

## DFS Test Report

**Report No.:** RF180330C21A-1

**FCC ID:** YOR-MR2200AC

**Test Model:** MR2200ac

**Received Date:** Mar. 30, 2018

**Test Date:** Jun. 17 ~ Jun. 23, 2018

**Issued Date:** Jul. 05, 2018

**Applicant:** Synology Incorporated

**Address:** 3F-3, No. 106, Chang An W. Rd., Taipei Taiwan 103

**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

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**Test Location:** No. 19, Hwa Ya 2nd Rd., Wen Hwa Vil., Kwei Shan Dist., Taoyuan City 33383, TAIWAN (R.O.C.)

**FCC Registration /** 788550 / TW0003  
**Designation Number:**



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### Release Control Record

| Issue No.      | Description      | Date Issued   |
|----------------|------------------|---------------|
| RF180330C21A-1 | Original release | Jul. 05, 2018 |

## 1 Certificate of Conformity

**Product:** 802.11ac Wireless Router

**Brand:** Synology

**Test Model:** MR2200ac

**Sample Status:** Engineering sample

**Applicant:** Synology Incorporated

**Test Date:** Jun. 17 ~ Jun. 23, 2018

**Standards:** FCC Part 15, Subpart E (Section 15.407)

KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

**Prepared by :** Celine Chou , **Date:** Jul. 05, 2018  
Celine Chou / Specialist

**Approved by :** Bruce Chen , **Date:** Jul. 05, 2018  
Bruce Chen / Project Engineer

## 2 EUT Information

### 2.1 Operating Frequency Bands and Mode of EUT

Table 1: Operating Frequency Bands and Mode of EUT

| Operational Mode | Operating Frequency Range |              |
|------------------|---------------------------|--------------|
|                  | 5250~5350MHz              | 5470~5725MHz |
| Master           | ✓                         | ✓            |

### 2.2 EUT Software and Firmware Version

Table 2: The EUT Software/Firmware Version

| No. | Product                  | Test Model No. | Software/Firmware Version                                                                               |
|-----|--------------------------|----------------|---------------------------------------------------------------------------------------------------------|
| 1   | 802.11ac Wireless Router | MR2200ac       | Linux Version: 4.4.60(root@build3)<br>gcc version:4.9.3<br>2015.311(prerelease)(crosstool-NG<br>1.20.0) |

### 2.3 Description of Available Antennas to the EUT

Table 3: Antenna List

| ANT No. | Antenna Type | Operation Frequency Range (MHz) | Min. Gain (dBi) | Max. Gain (dBi) |
|---------|--------------|---------------------------------|-----------------|-----------------|
| 3       | Embedded     | 5250~5350                       | 1.75            | 2.22            |
| 4       | Embedded     | 5250~5350                       | 1.97            | 2.73            |
| 5       | PIFA         | 5470~5725                       | 3.49            | 3.87            |
| 6       | PIFA         | 5470~5725                       | 3.32            | 3.72            |

Note:

1. 5250~5350MHz: Directional gain = 2.73dBi + 10log(2) = 5.74dBi.

2. 5470~5725MHz: Directional gain = 3.87dBi + 10log(2) = 6.88dBi.

## 2.4 EUT Maximum Conducted Power

Table 4: The Measured Conducted Output Power

### CDD Mode

#### 802.11a

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 23.28              | 212.822           |
| 5470~5725            | 21.67              | 147.043           |

#### 802.11n HT20

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 23.55              | 226.586           |
| 5470~5725            | 23.23              | 210.284           |

#### 802.11n HT40

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 23.57              | 227.458           |
| 5470~5725            | 23.74              | 236.600           |

#### 802.11ac VHT80

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 21.92              | 155.761           |
| 5470~5725            | 20.45              | 111.000           |

## Beamforming Mode

### 802.11n HT20

| Frequency Band<br>(MHz) | Max. Power         |                   |
|-------------------------|--------------------|-------------------|
|                         | Output Power (dBm) | Output Power (mW) |
| 5250~5350               | 20.54              | 113.301           |
| 5470~5725               | 20.22              | 105.149           |

### 802.11n HT40

| Frequency Band<br>(MHz) | Max. Power         |                   |
|-------------------------|--------------------|-------------------|
|                         | Output Power (dBm) | Output Power (mW) |
| 5250~5350               | 20.56              | 113.737           |
| 5470~5725               | 20.73              | 118.309           |

### 802.11ac VHT80

| Frequency Band<br>(MHz) | Max. Power         |                   |
|-------------------------|--------------------|-------------------|
|                         | Output Power (dBm) | Output Power (mW) |
| 5250~5350               | 18.91              | 77.886            |
| 5470~5725               | 17.44              | 55.504            |

## 2.5 EUT Maximum E.I.R.P. Power

Table 5: The EIRP Output Power List

### CDD Mode

#### 802.11a

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 26.01              | 399.025           |
| 5470~5725            | 25.54              | 358.096           |

#### 802.11n HT20

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 26.28              | 424.620           |
| 5470~5725            | 27.10              | 512.861           |

#### 802.11n HT40

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 26.30              | 426.580           |
| 5470~5725            | 27.61              | 576.766           |

#### 802.11ac VHT80

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 24.65              | 291.743           |
| 5470~5725            | 24.32              | 270.396           |



## Beamforming Mode

### 802.11n HT20

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 26.28              | 424.620           |
| 5470~5725            | 27.10              | 512.861           |

### 802.11n HT40

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 26.30              | 426.580           |
| 5470~5725            | 27.61              | 576.766           |

### 802.11ac VHT80

| Frequency Band (MHz) | Max. Power         |                   |
|----------------------|--------------------|-------------------|
|                      | Output Power (dBm) | Output Power (mW) |
| 5250~5350            | 24.65              | 291.743           |
| 5470~5725            | 24.32              | 270.396           |

## 2.6 Transmit Power Control (TPC)

U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

Maximum EIRP of this device is **576.766mW** which greater than 500mW, therefore it's require TPC function.

The UUT can adjust a transmitter's output power based on the signal level present at the receiver. TPC is auto controlled by software

| TPC | E.I.R.P | FCC 15.407(h)(1)                                                            |
|-----|---------|-----------------------------------------------------------------------------|
| √   | > 500mW | The TPC mechanism is required for system with an E.I.R.P. of above 500mW    |
|     | < 500mW | The TPC mechanism is not required for system with an E.I.R.P. of less 500mW |

## 2.7 Statement of Manufacturer

Manufacturer statement confirming that information regarding the parameters of the detected Radar Waveforms is not available to the end user.

### 3 U-NII DFS Rule Requirements

#### 3.1 Working Modes and Required Test Items

The manufacturer shall state whether the UUT is capable of operating as a Master and/or a Client. If the UUT is capable of operating in more than one operating mode then each operating mode shall be tested separately. See tables 6 and 7 for the applicability of DFS requirements for each of the operational modes.

Table 6: Applicability of DFS Requirements Prior To Use a Channel

| Requirement                     | Operational Mode |                                |                             |
|---------------------------------|------------------|--------------------------------|-----------------------------|
|                                 | Master           | Client without radar detection | Client with radar detection |
| Non-Occupancy Period            | ✓                | ✓ note                         | ✓                           |
| DFS Detection Threshold         | ✓                | Not required                   | ✓                           |
| Channel Availability Check Time | ✓                | Not required                   | Not required                |
| U-NII Detection Bandwidth       | ✓                | Not required                   | ✓                           |

Note: Regarding KDB 905462 D03 Client Without DFS New Rules v01r01 section (b)(5/6), If the client moves with the master, the device is considered compliant if nothing appears in the client non-occupancy period test. For devices that shut down (rather than moving channels), no beacons should appear. An analyzer plot that contains a single 30-minute sweep on the original channel.

Table 7: Applicability of DFS Requirements during Normal Operation.

| Requirement                       | Operational Mode                      |                                |
|-----------------------------------|---------------------------------------|--------------------------------|
|                                   | Master or Client with radar detection | Client without radar detection |
| DFS Detection Threshold           | ✓                                     | Not required                   |
| Channel Closing Transmission Time | ✓                                     | ✓                              |
| Channel Move Time                 | ✓                                     | ✓                              |
| U-NII Detection Bandwidth         | ✓                                     | Not required                   |

| Additional requirements for devices with multiple bandwidth modes | Master or Client with radar detection | Client without radar detection                       |
|-------------------------------------------------------------------|---------------------------------------|------------------------------------------------------|
| U-NII Detection Bandwidth and Statistical Performance Check       | All BW modes must be tested           | Not required                                         |
| Channel Move Time and Channel Closing Transmission Time           | Test using widest BW mode available   | Test using the widest BW mode available for the link |
| All other tests                                                   | Any single BW mode                    | Not required                                         |

Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

## 3.2 Test Limits and Radar Signal Parameters

### Detection Threshold Values

Table 8: DFS Detection Thresholds for Master Devices And Client Devices With Radar Detection

| Maximum Transmit Power                                                          | Value<br>(See Notes 1, 2, and 3) |
|---------------------------------------------------------------------------------|----------------------------------|
| EIRP $\geq$ 200 milliwatt                                                       | -64 dBm                          |
| EIRP < 200 milliwatt and<br>power spectral density < 10 dBm/MHz                 | -62 dBm                          |
| EIRP < 200 milliwatt that do not meet the<br>power spectral density requirement | -64 dBm                          |

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.

Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.

Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

Table 9: DFS Response Requirement Values

| Parameter                         | Value                                                                                                        |
|-----------------------------------|--------------------------------------------------------------------------------------------------------------|
| Non-occupancy period              | Minimum 30 minutes                                                                                           |
| Channel Availability Check Time   | 60 seconds                                                                                                   |
| Channel Move Time                 | 10 seconds<br>See Note 1.                                                                                    |
| Channel Closing Transmission Time | 200 milliseconds + an aggregate of 60<br>milliseconds over remaining 10 second period.<br>See Notes 1 and 2. |
| U-NII Detection Bandwidth         | Minimum 100% of the U-NII 99% transmission power<br>bandwidth. See Note 3                                    |

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

## Parameters of DFS Test Signals

Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 10: Short Pulse Radar Test Waveforms

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                                                                                                                                           | Number of Pulses                                                                                                                     | Minimum Percentage of Successful Detection | Minimum Number of Trials |
|-----------------------------|--------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------|
| 0                           | 1                  | 1428                                                                                                                                                                                                                                                                                 | 18                                                                                                                                   | See Note 1                                 | See Note 1               |
| 1                           | 1                  | <p>Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a</p> <p>-----</p> <p>Test B: 15 unique PRI values randomly selected within the range of 518-3066 μ sec, with a minimum increment of 1 μ sec, excluding PRI values selected in Test A</p> | $\text{Roundup} \left\{ \left( \frac{1}{360} \right) \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$ | 60%                                        | 30                       |
| 2                           | 1-5                | 150-230                                                                                                                                                                                                                                                                              | 23-29                                                                                                                                | 60%                                        | 30                       |
| 3                           | 6-10               | 200-500                                                                                                                                                                                                                                                                              | 16-18                                                                                                                                | 60%                                        | 30                       |
| 4                           | 11-20              | 200-500                                                                                                                                                                                                                                                                              | 12-16                                                                                                                                | 60%                                        | 30                       |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                                                                                                                                                      |                                                                                                                                      | 80%                                        | 120                      |

Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.

Table 11: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number Of Pulses Per Burst | Number Of Bursts | Minimum Percentage Of Successful Detection | Minimum Number Of Trials |
|------------|--------------------|-------------------|------------|----------------------------|------------------|--------------------------------------------|--------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 80%                                        | 30                       |

Three subsets of trials will be performed with a minimum of ten trials per subset. The subset of trials differ in where the Long Pulse Type 5 Signal is tuned in frequency.

- a) the Channel center frequency
- b) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the low edge of the UUT Occupied Bandwidth
- c) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the high edge of the UUT Occupied Bandwidth

It include 10 trails for every subset, the formula as below,

For subset case 1: the center frequency of the signal generator will remain fixed at the center of the UUT Channel.

For subset case 2: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 2. The center frequency of the signal generator for each trial is calculated by:

$$FL + (0.4 * \text{Chirp Width [in MHz]})$$

For subset case 3: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 3. The center frequency of the signal generator for each trial is calculated by:

$$FH - (0.4 * \text{Chirp Width [in MHz]})$$

Table 12: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses PER HOP | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Minimum Percentage Of Successful Detection | Minimum Number Of Trials |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|--------------------------------------------|--------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 70%                                        | 30                       |

## 4 Test & Support Equipment List

### 4.1 Test Instruments

Table 13: Test Instruments List

| Description & Manufacturer | Model No.                                   | Brand       | Date Of Calibration | Due Date Of Calibration |
|----------------------------|---------------------------------------------|-------------|---------------------|-------------------------|
| Spectrum analyzer          | ESR                                         | R&S         | 2018/03/01          | 2019/02/28              |
| Signal generator           | 8645A                                       | Agilent     | 2017/08/11          | 2018/08/10              |
| Horn antenna               | BBHA 9120 D                                 | Schwarzbeck | 2017/12/14          | 2018/12/13              |
| RF coaxial cable           | CA3501-3501-G.90(3m) & CA3501-3501-F.90(2m) | INFINET     | 2017/08/21          | 2018/08/20              |

### 4.2 Description of Support Units

Table 14: Support Unit Information.

| No. | Product          | Brand   | Model No. | FCC ID      |
|-----|------------------|---------|-----------|-------------|
| 1   | WiFi USB Adapter | NETGEAR | A6210     | PY313400249 |

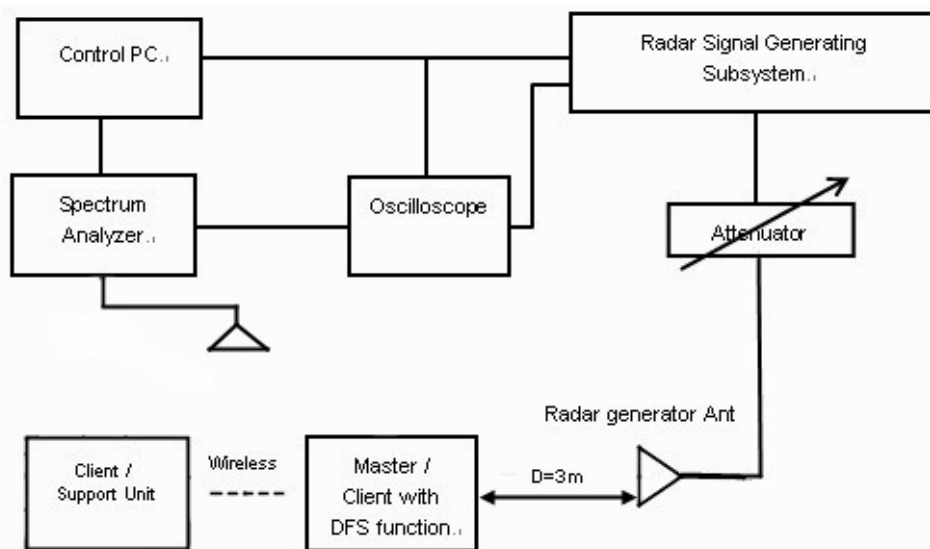
Note: This device was functioned as a ☐ Master ☒ Slave device during the DFS test.

## 5 Test Procedure

### 5.1 DFS Measurement System

A complete DFS Measurement System consists of two subsystems: (1) the Radar Signal Generating Subsystem and (2) the Traffic Monitoring Subsystem. The control PC is necessary for generating the Radar waveforms in Table 10, 11 and 12. The traffic monitoring subsystem is specified to the type of unit under test (UUT).

#### Radiated Setup Configuration of DFS Measurement System



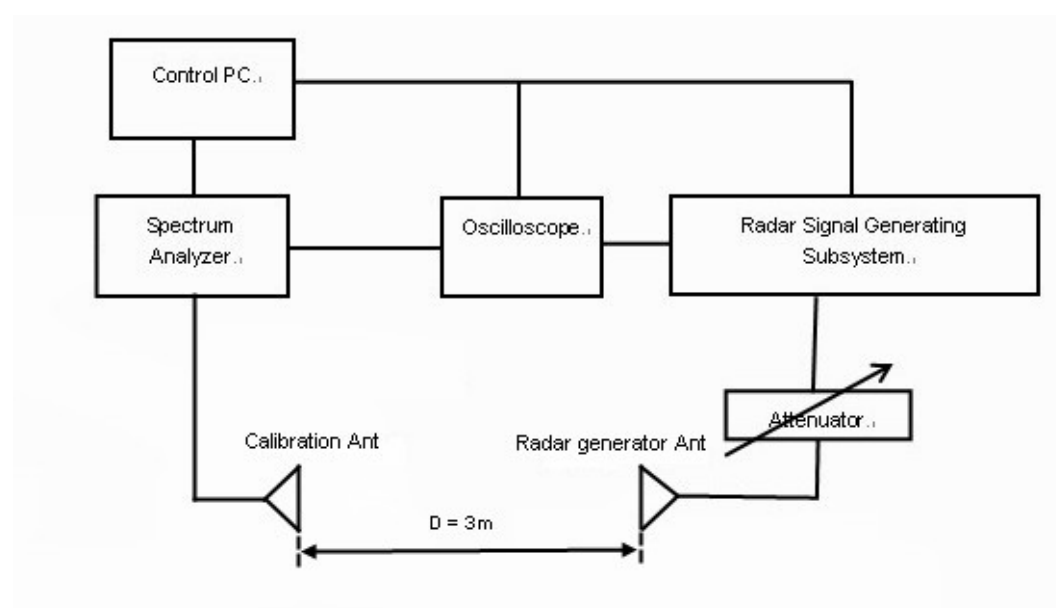
System testing will be performed with channel-loading using means appropriate to the data types that are used by the unlicensed device. The following requirements apply:

|   |                                                                                                                                                                            |
|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|   | a) The data file must be of a type that is typical for the device (i.e., MPEG-2, MPEG-4, WAV, MP3, MP4, AVI, etc.) and must generally be transmitting in a streaming mode. |
|   | b) Software to ping the client is permitted to simulate data transfer but must have random ping intervals.                                                                 |
| ✓ | c) Timing plots are required with calculations demonstrating a minimum channel loading of approximately 17% or greater.                                                    |
|   | d) Unicast or Multicast protocols are preferable but other protocols may be used. The appropriate protocol used must be described in the test procedures.                  |

## 5.2 Calibration of DFS Detection Threshold Level

The measured channel is 5300MHz, 5310MHz, 5290MHz, 5500MHz, 5510MHz and 5530 MHz. The radar signal was the same as transmitted channels, and injected into the antenna of AP (master) or Client Device with Radar Detection, measured the channel closing transmission time and channel move time. The calibrated detection threshold level is set to -64dBm. The tested level is lower than required level hence it provides margin to the limit.

### Radiated Setup Configuration of Calibration of DFS Detection Threshold Level



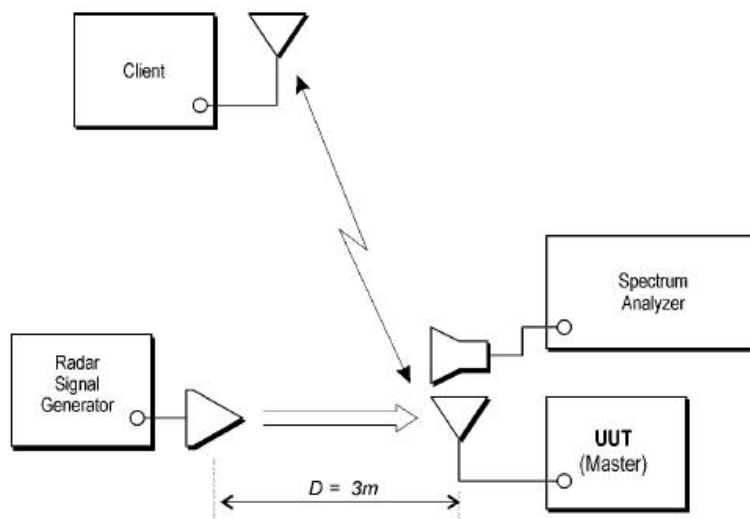
## 5.3 Deviation from Test Standard

No deviation.



## 5.4 Radiated Test Setup Configuration

### 5.4.1 Master Mode



The EUT is a U-NII Device operating in Master mode. The radar test signals are injected into the Master Device.

## 6 Test Results

### 6.1 Summary of Test Results

#### 6.1.1 Master mode

| Clause | Test Parameter                    | Remarks    | Pass/Fail |
|--------|-----------------------------------|------------|-----------|
| 15.407 | DFS Detection Threshold           | Applicable | Pass      |
| 15.407 | U-NII Detection Bandwidth         | Applicable | Pass      |
| 15.407 | Channel Availability Check Time   | Applicable | Pass      |
| 15.407 | Channel Move Time                 | Applicable | Pass      |
| 15.407 | Channel Closing Transmission Time | Applicable | Pass      |
| 15.407 | Non- Occupancy Period             | Applicable | Pass      |
| 15.407 | Uniform Spreading                 | Applicable | Pass      |

## 6.2 Test Results

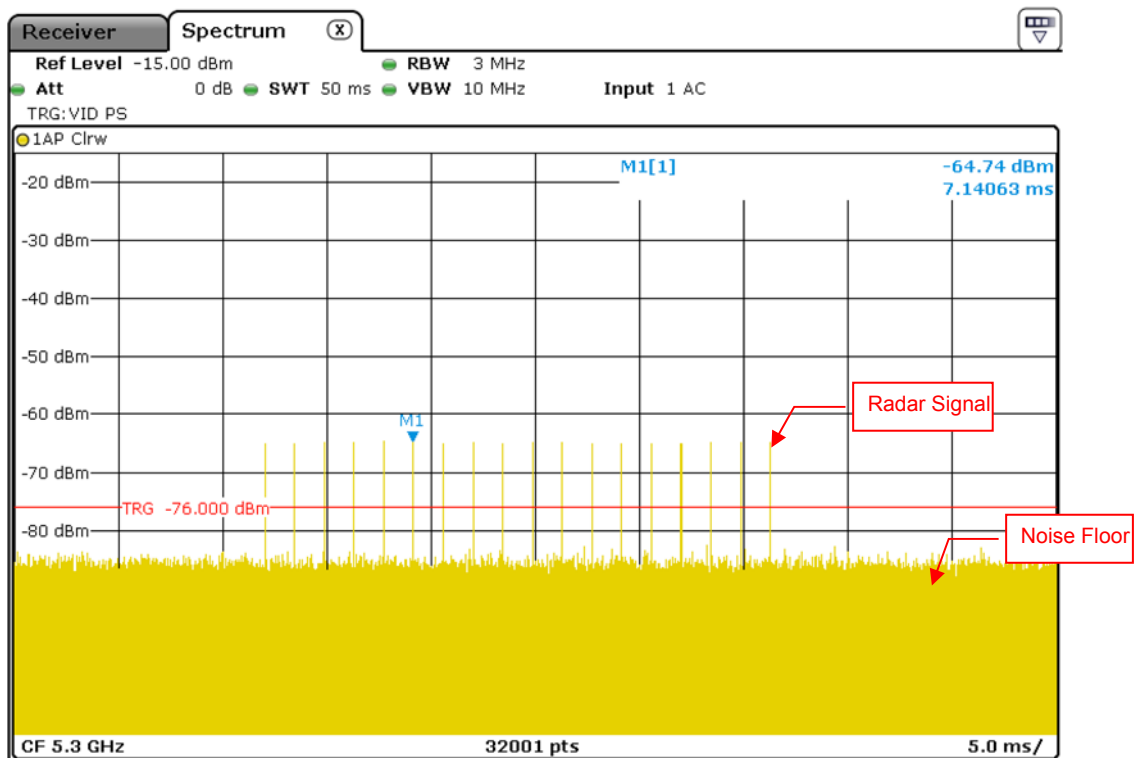
### 6.2.1 Test Mode: Device Operating In Master Mode

Master with injection at the Master. (Radar Test Waveforms are injected into the Master.)

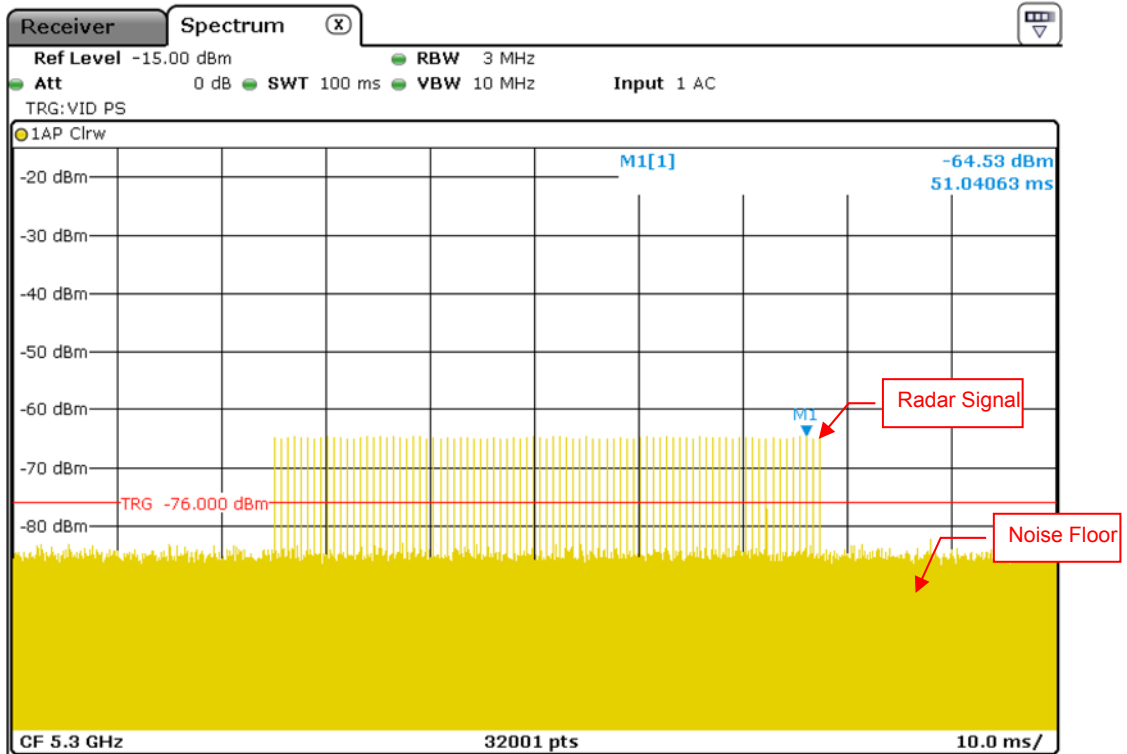
#### DFS Detection Threshold

For a detection threshold level of -64dBm, the required signal strength at EUT antenna location is -64 dBm. The tested level is lower than required level hence it provides margin to the limit.

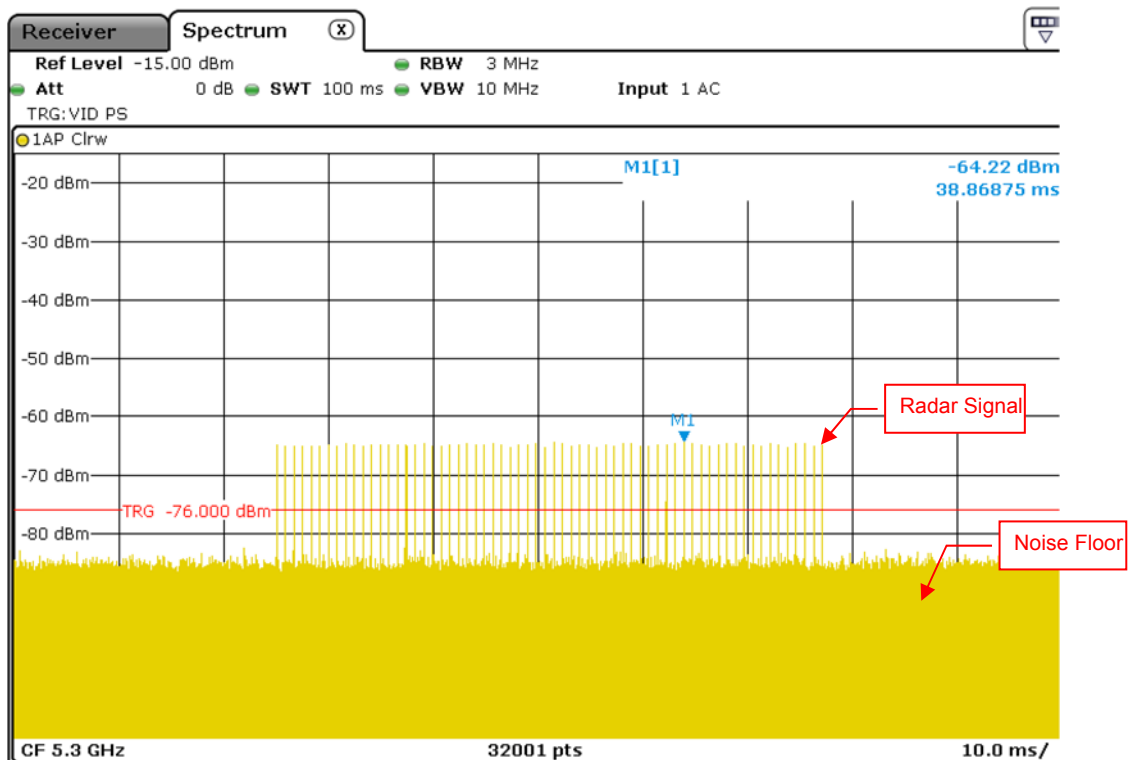
#### 5250-5350MHz Band



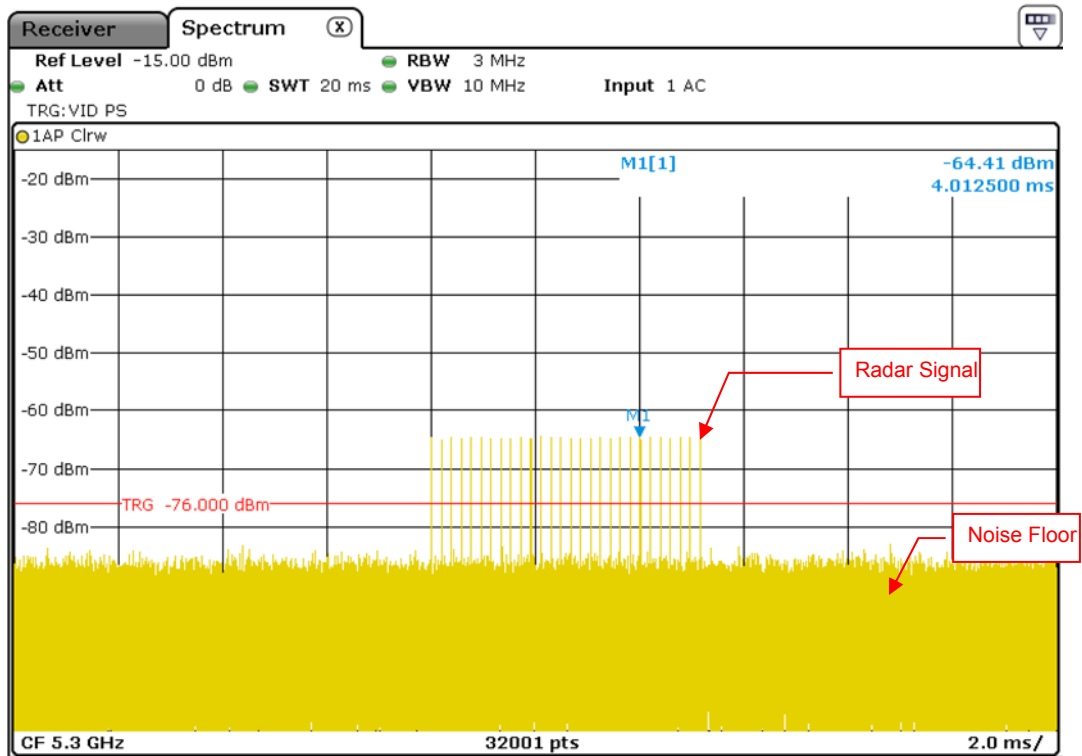
Radar Signal 0



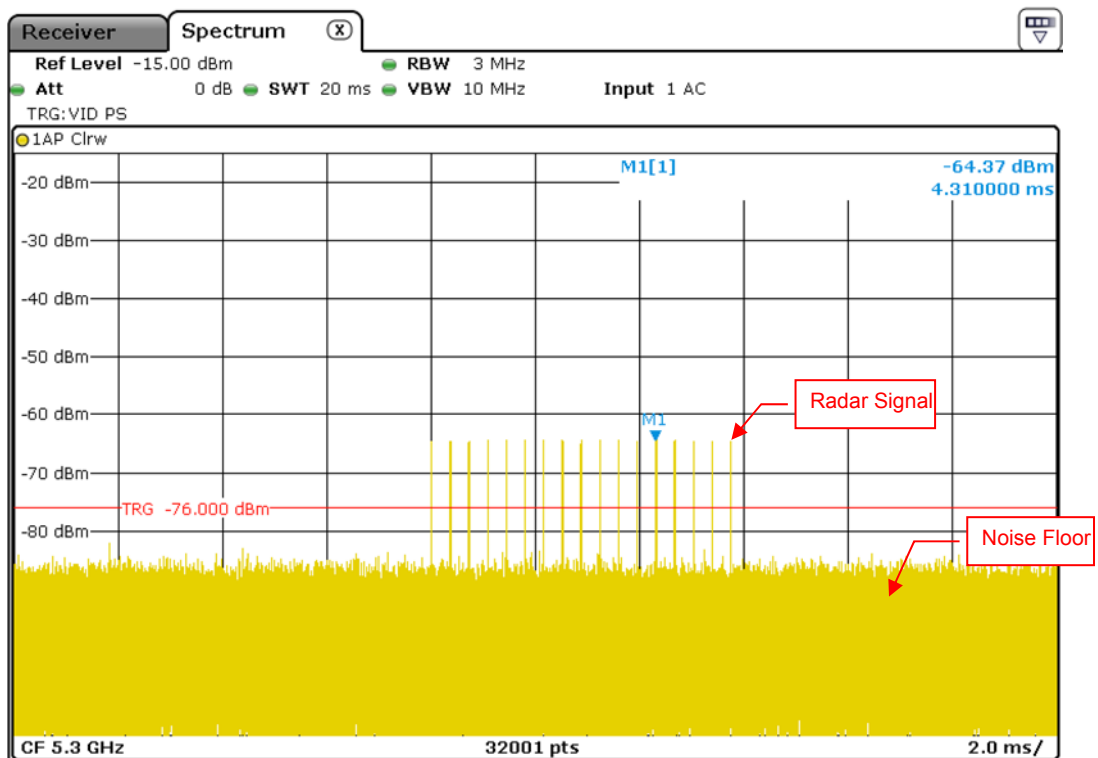
Radar Signal 1 (Test A)



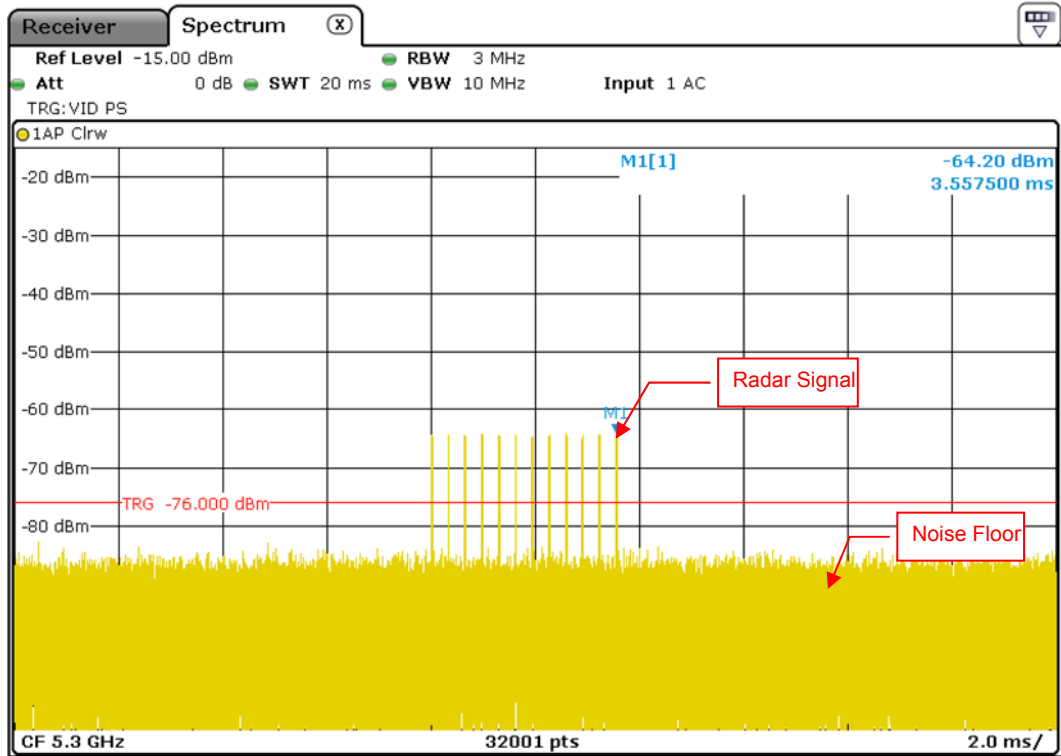
Radar Signal 1 (Test B)



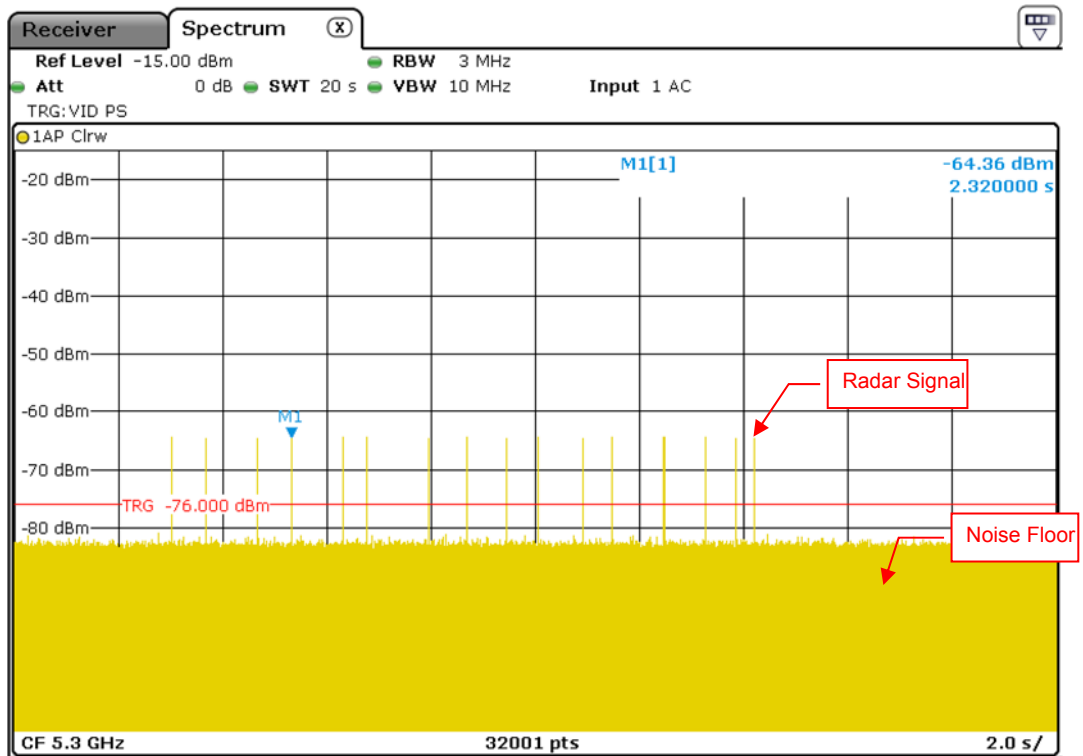
Radar Signal 2



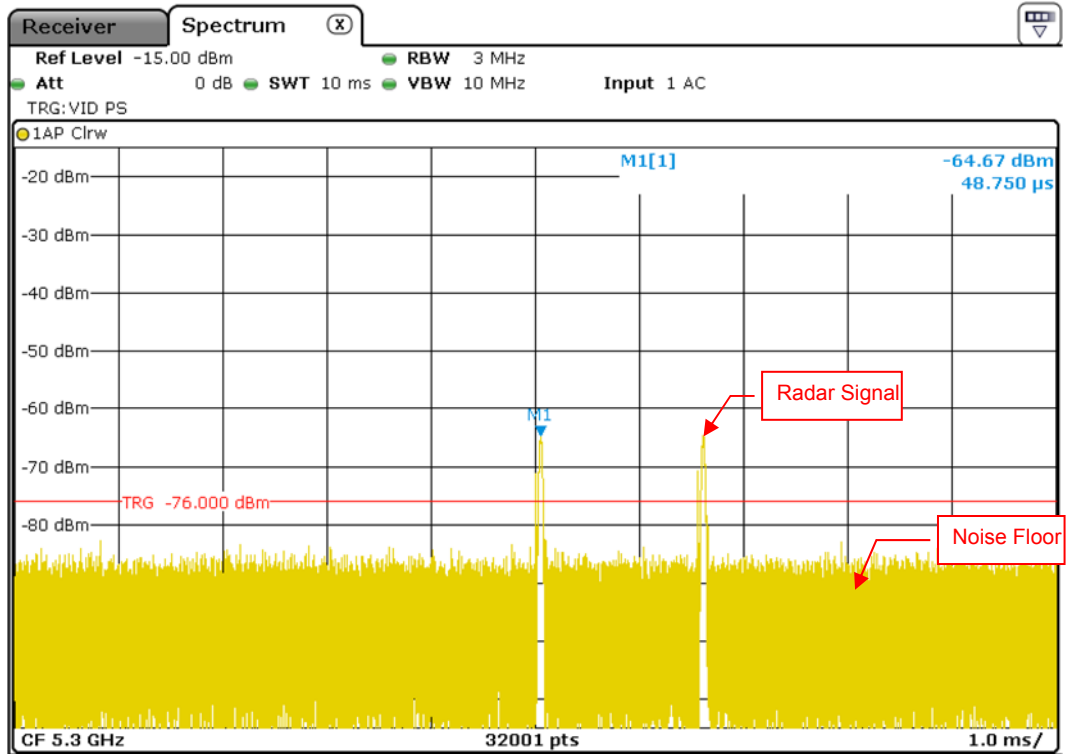
Radar Signal 3



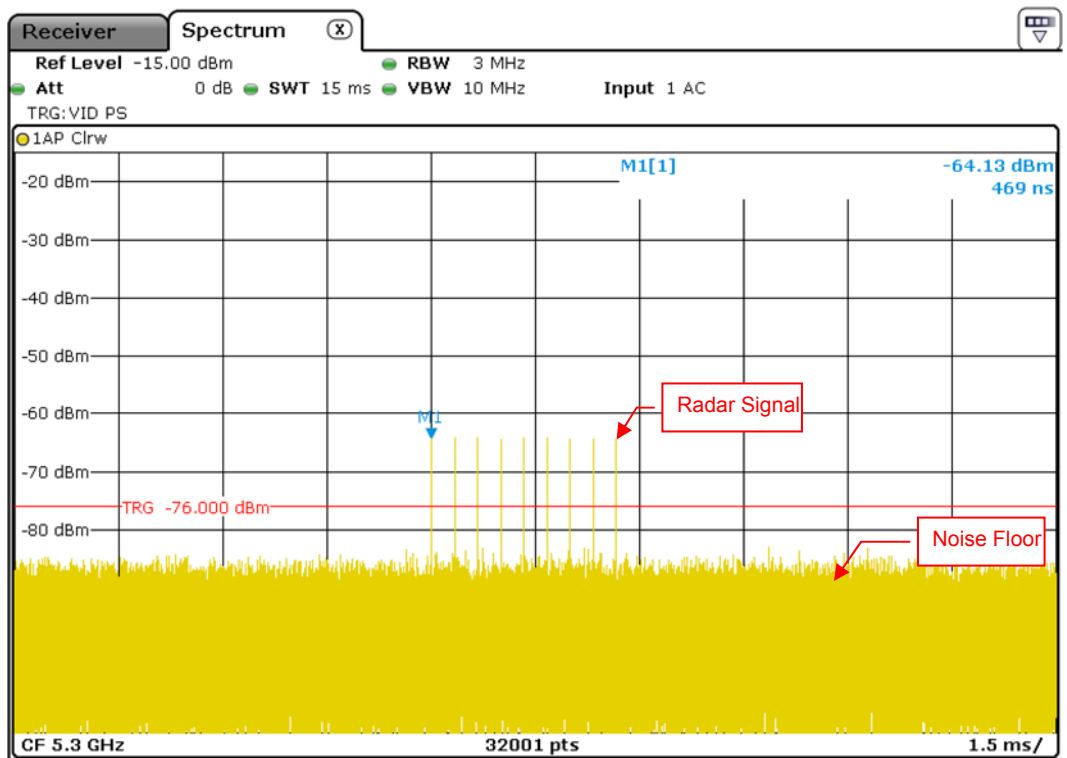
Radar Signal 4



Radar Signal 5

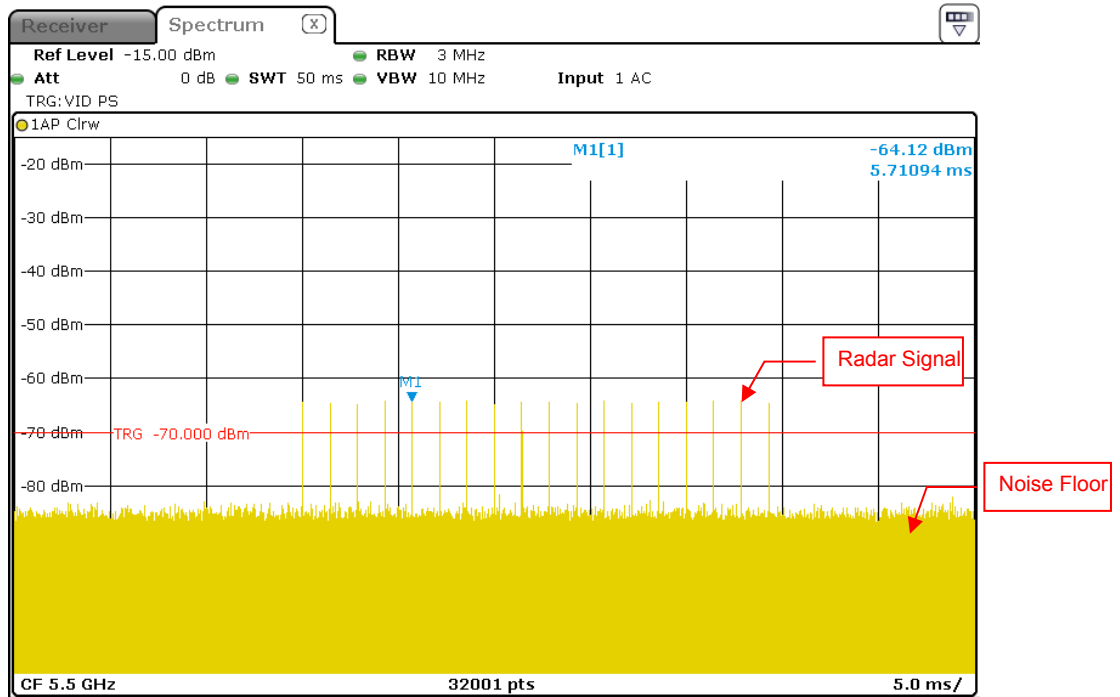


Single Burst of Radar Signal 5

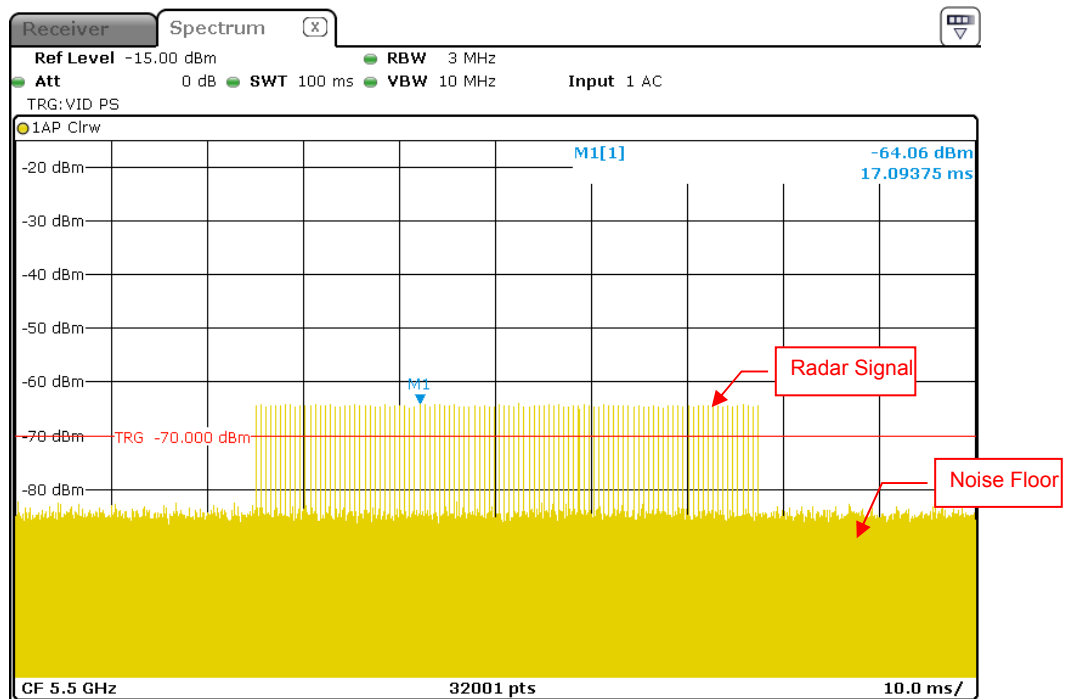


Radar Signal 6

## 5470-5725MHz Band

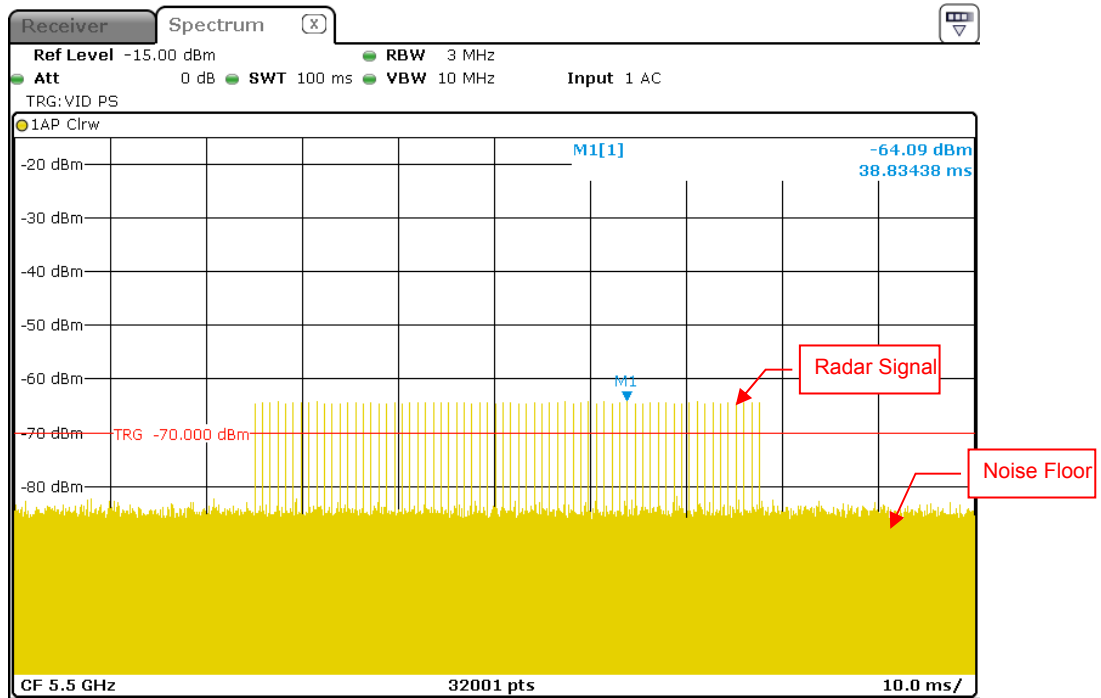


Radar Signal 0

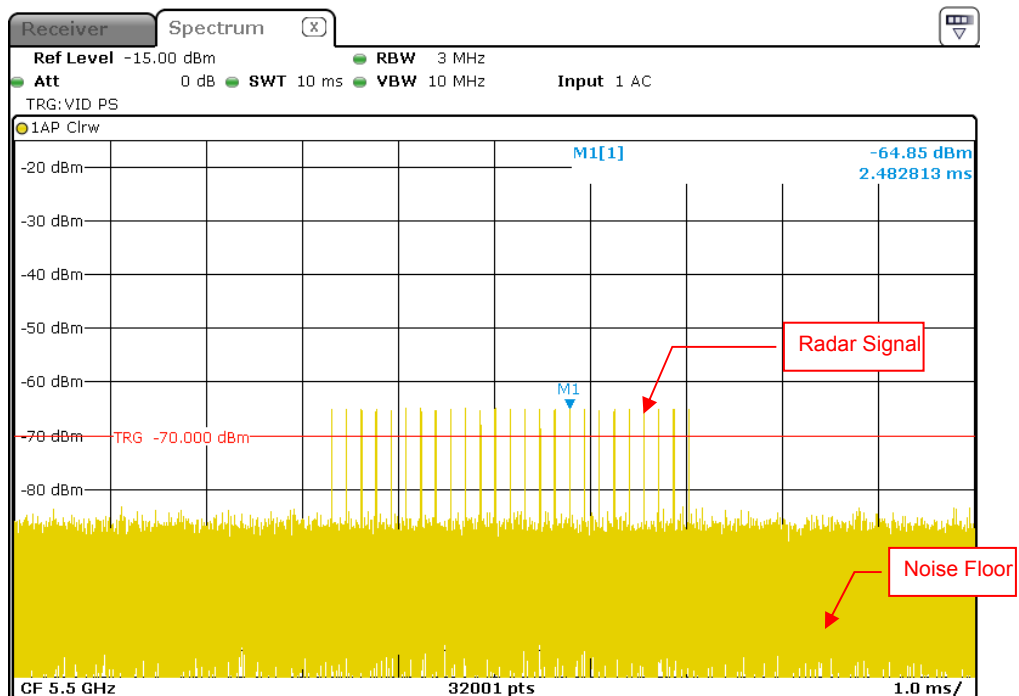


Radar Signal 1 (Test A)

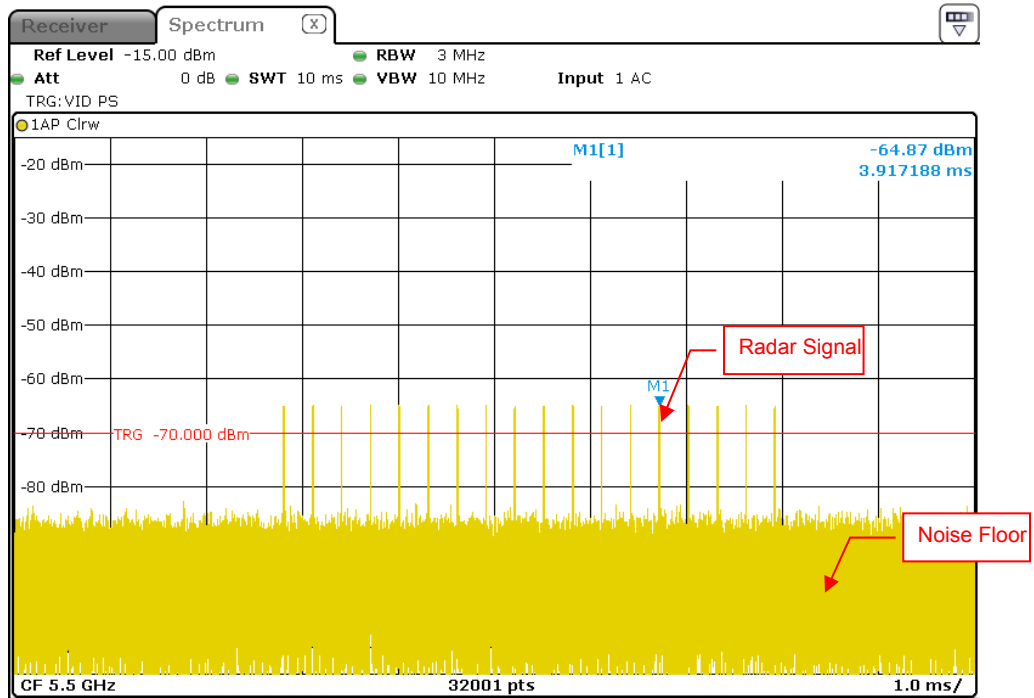




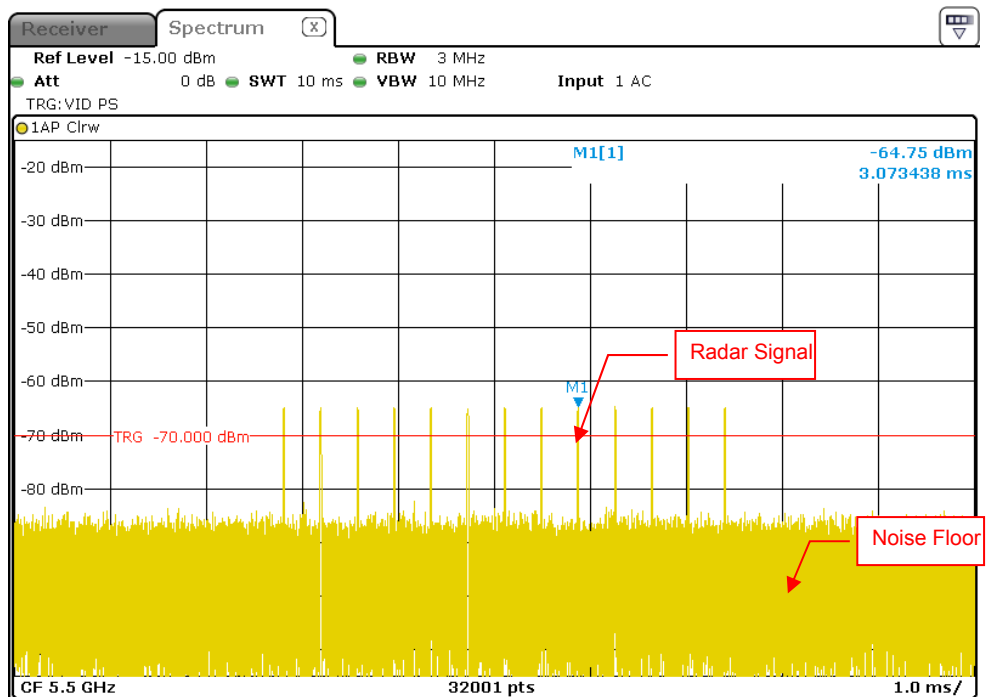
Radar Signal 1 (Test B)



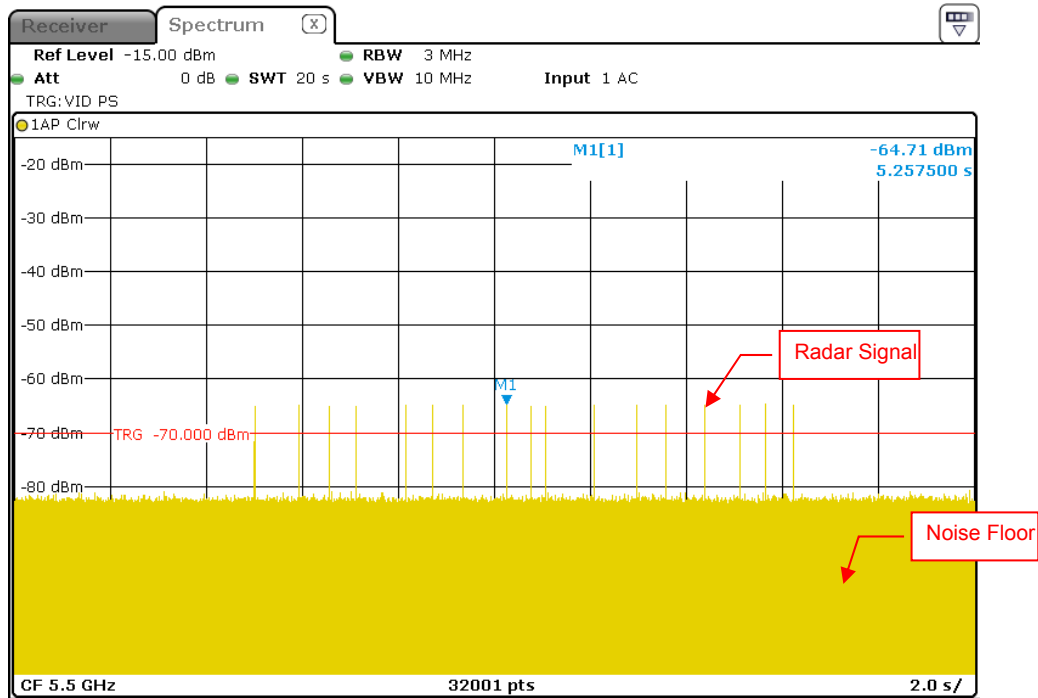
Radar Signal 2



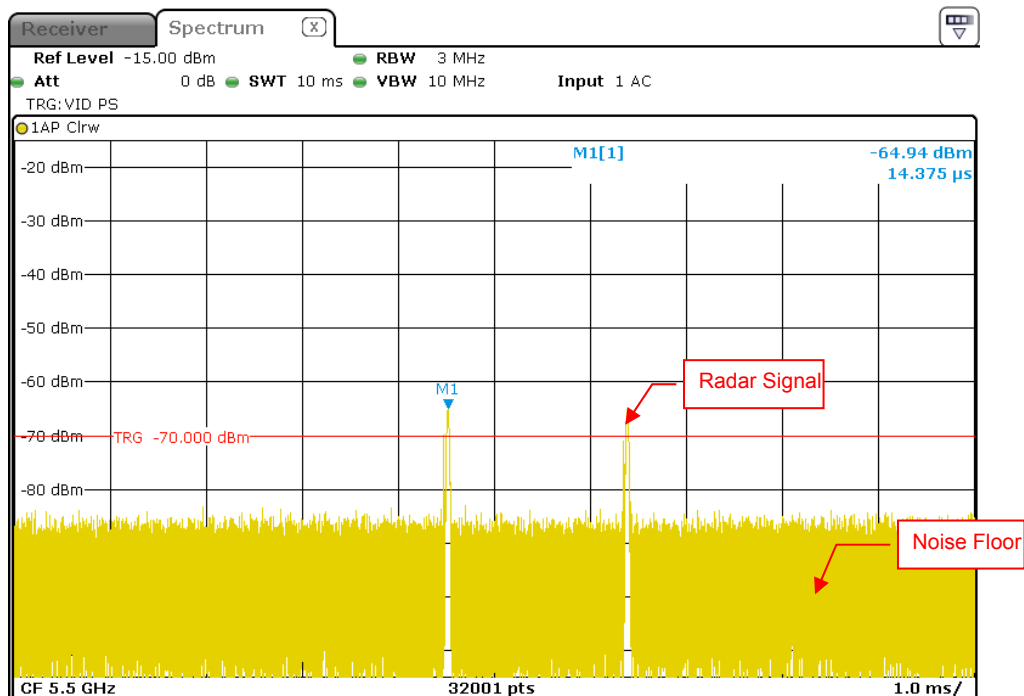
Radar Signal 3



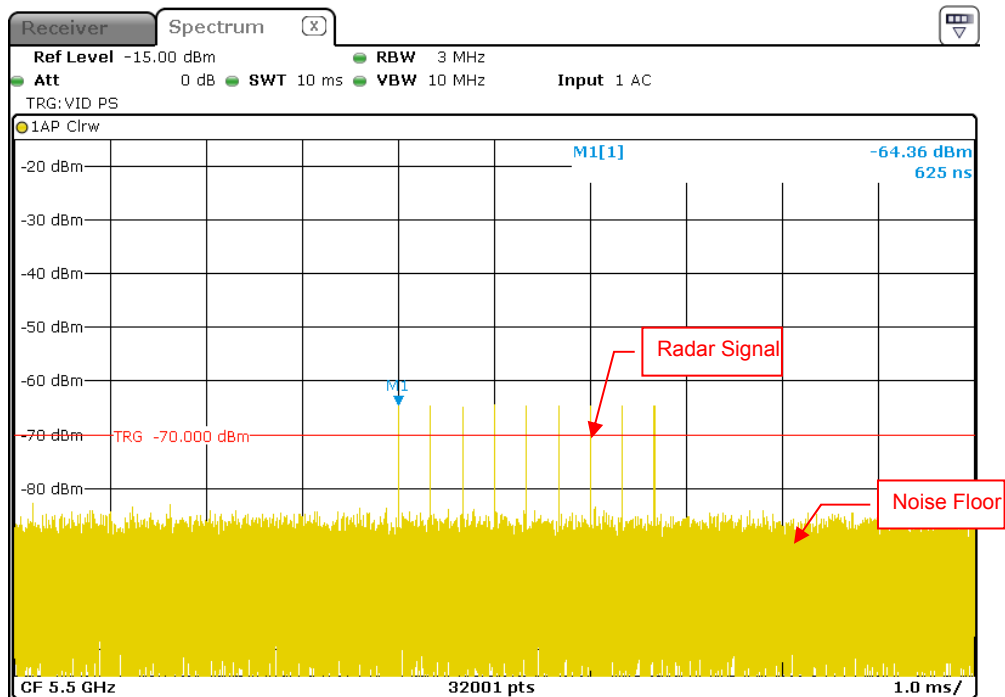
Radar Signal 4



Radar Signal 5



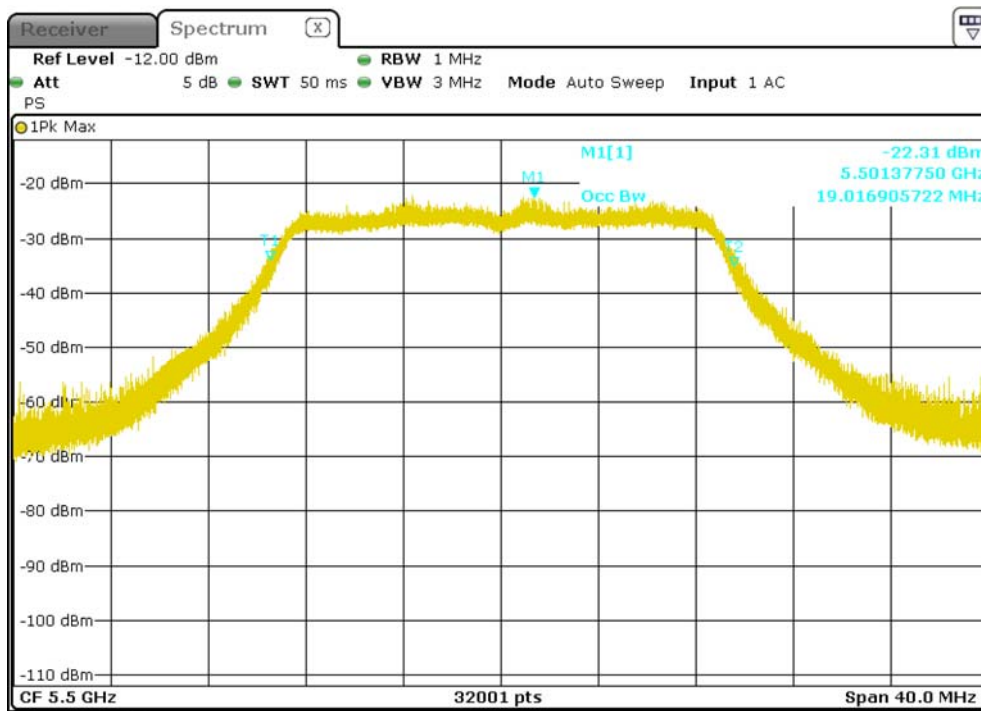
Single Burst of Radar Signal 5



Radar Signal 6

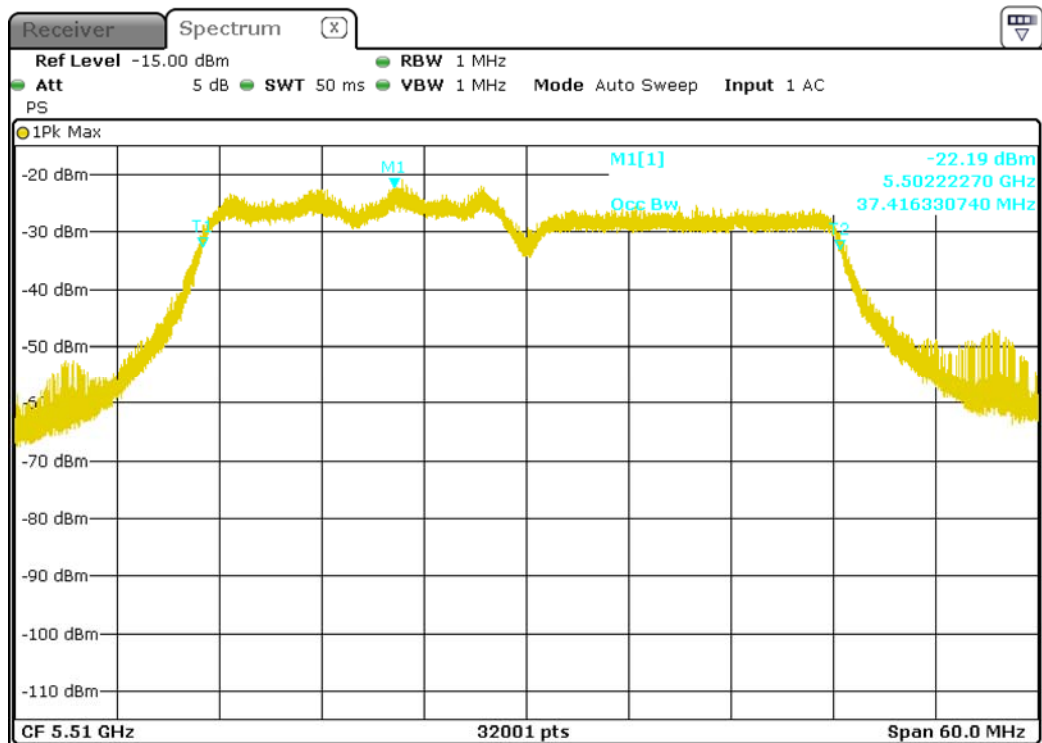
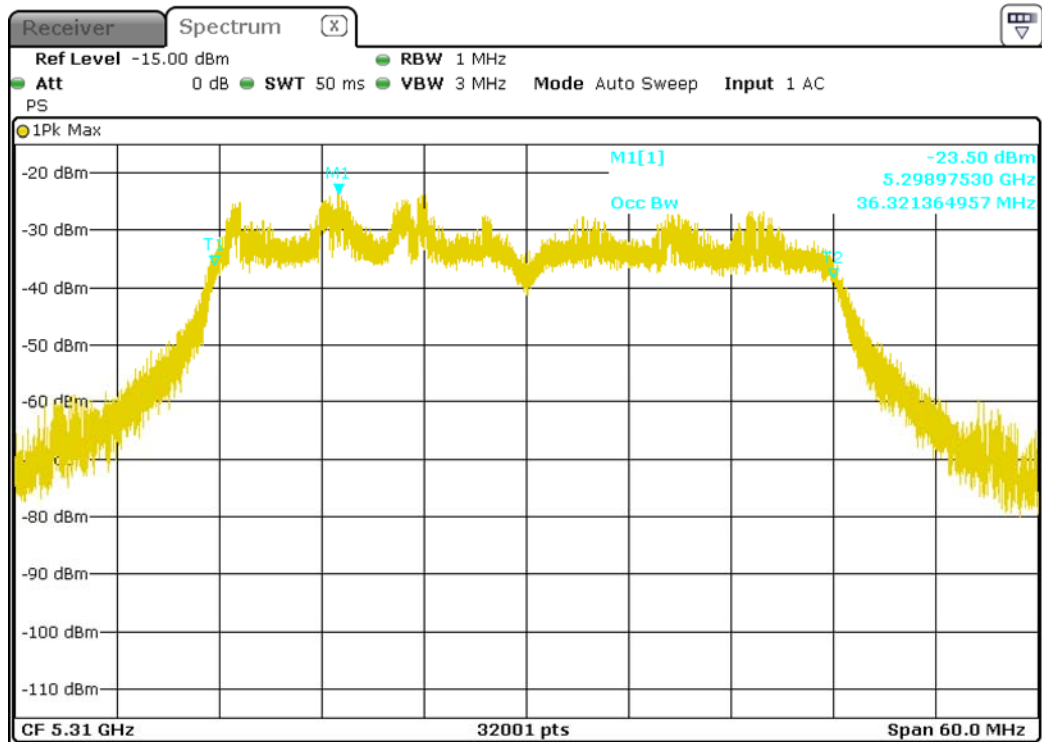
## 6.2.2 U-NII Detection Bandwidth

### IEEE 802.11n HT20



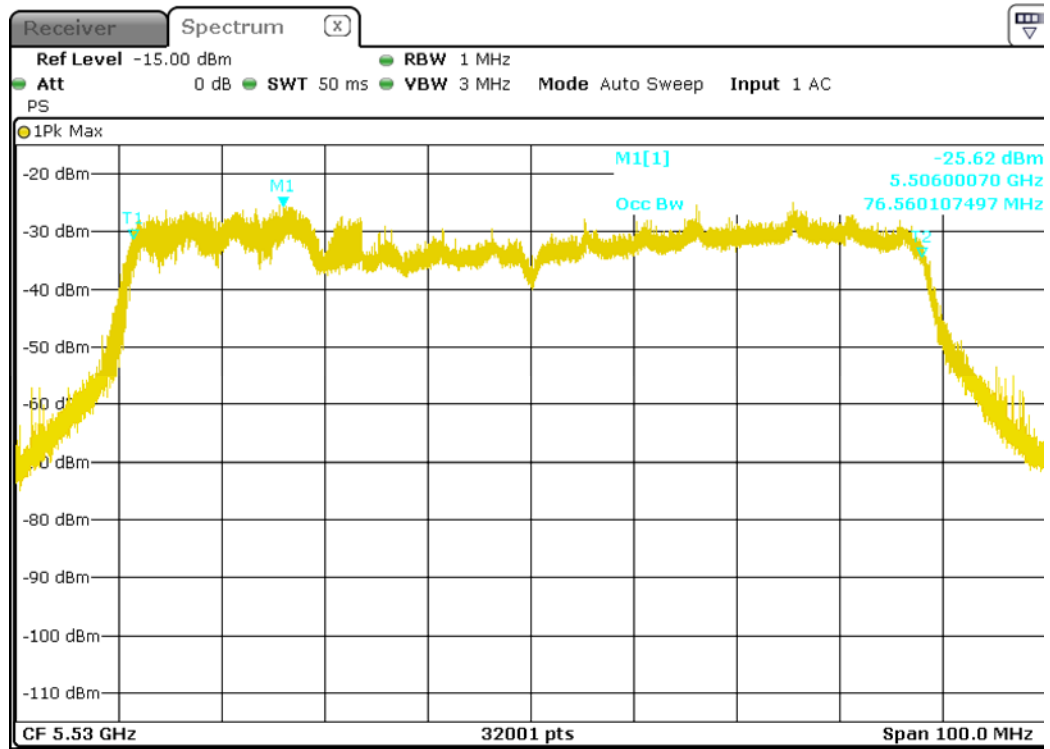
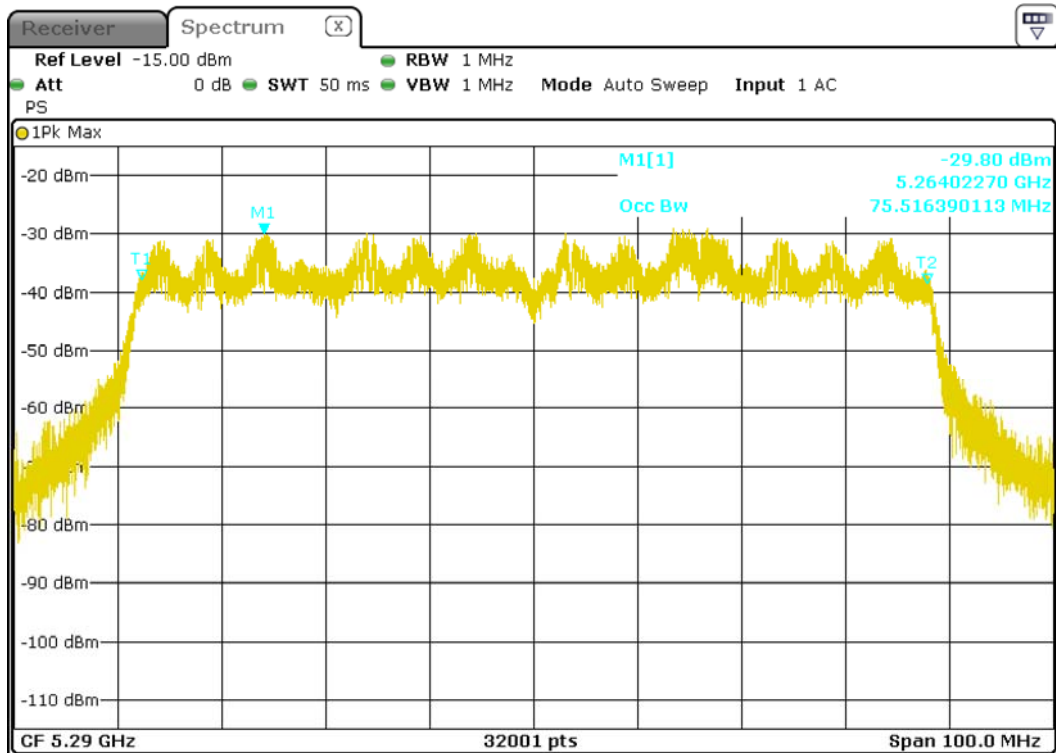
U-NII 99% Channel bandwidth

## IEEE 802.11n HT40



U-NII 99% Channel bandwidth

## IEEE 802.11ac VHT80



U-NII 99% Channel bandwidth

# Detection Bandwidth Test - IEEE 802.11n HT20

Radar Type 0

EUT Frequency: 5300MHz

EUT 99% Power bandwidth: 18.54MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 18.54MHz

Detection bandwidth (5310(FH) – 5290(FL)) : 20MHz

Test Result : Pass

| Radar<br>Frequency<br>(MHz) | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection Rate (%) |
|-----------------------------|--------------------------|---|---|---|---|---|---|---|---|----|--------------------|
|                             | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |
| 5289                        | N                        | N | N | N | N | N | N | N | N | N  | 0                  |
| 5290(FL)                    | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5291                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5292                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5293                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5294                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5295                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5296                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5297                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5298                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5299                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5300                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5301                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5302                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5303                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5304                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5305                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5306                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5307                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5308                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5309                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5310(FH)                    | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5311                        | N                        | N | N | N | N | N | N | N | Y | Y  | 20                 |



# Detection Bandwidth Test - IEEE 802.11n HT20

Radar Type 0

EUT Frequency: 5500MHz

EUT 99% Power bandwidth: 19.02MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 19.02MHz

Detection bandwidth (5510(FH) – 5490(FL)) : 20MHz

Test Result : Pass

| Radar<br>Frequency<br>(MHz) | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection Rate (%) |
|-----------------------------|--------------------------|---|---|---|---|---|---|---|---|----|--------------------|
|                             | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |
| 5489                        | N                        | N | N | N | N | N | N | N | N | N  | 0                  |
| 5490 (FL)                   | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5491                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5492                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5493                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5494                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5495                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5496                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5497                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5498                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5499                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5500                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5501                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5502                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5503                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5504                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5505                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5506                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5507                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5508                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5509                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5510 (FH)                   | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5511                        | N                        | N | N | N | N | N | N | N | Y | Y  | 20                 |

# Detection Bandwidth Test - IEEE 802.11n HT40

Radar Type 0

EUT Frequency: 5310MHz

EUT 99% Power bandwidth: 36.32MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 36.32MHz

Detection bandwidth (5330(FH) – 5290(FL)) : 40MHz

Test Result : Pass

| Radar<br>Frequency<br>(MHz) | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection Rate (%) |
|-----------------------------|--------------------------|---|---|---|---|---|---|---|---|----|--------------------|
|                             | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |
| 5289                        | N                        | N | N | N | N | N | N | N | N | N  | 0                  |
| 5290(FL)                    | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5291                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5292                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5293                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5294                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5295                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5296                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5297                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5298                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5299                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5300                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5301                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5302                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5303                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5304                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5305                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5306                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5307                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5308                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5309                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5310                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5311                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5312                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5313                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5314                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5315                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5316                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5317                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5318                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5319                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5320                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5321                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5322                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5323                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5324                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5325                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5326                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5327                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5328                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5329                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5330(FH)                    | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5331                        | N                        | N | N | N | N | N | N | N | N | N  | 0                  |

# Detection Bandwidth Test - IEEE 802.11n HT40

Radar Type 0

EUT Frequency: 5510MHz

EUT 99% Power bandwidth: 37.42MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 37.42MHz

Detection bandwidth (5530(FH) – 5490(FL)) : 40MHz

Test Result : Pass

| Radar<br>Frequency<br>(MHz) | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection Rate (%) |
|-----------------------------|--------------------------|---|---|---|---|---|---|---|---|----|--------------------|
|                             | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |
| 5489                        | N                        | N | N | N | N | N | N | N | N | N  | 0                  |
| 5490 (FL)                   | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5491                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5492                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5493                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5494                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5495                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5496                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5497                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5498                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5499                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5500                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5501                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5502                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5503                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5504                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5505                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5506                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5507                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5508                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5509                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5510                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5511                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5512                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5513                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5514                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5515                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5516                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5517                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5518                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5519                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5520                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5521                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5522                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5523                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5524                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5525                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5526                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5527                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5528                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5529                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5530 (FH)                   | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5531                        | N                        | N | N | N | N | N | N | N | N | N  | 0                  |

# Detection Bandwidth Test - IEEE 802.11ac VHT80

Radar Type 0

EUT Frequency: 5290MHz

EUT 99% Power bandwidth: 75.52MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 75.52MHz

Detection bandwidth (5330(FH) – 5250(FL)) : 80MHz

Test Result : Pass

| Radar Frequency (MHz) | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection Rate (%) |
|-----------------------|--------------------------|---|---|---|---|---|---|---|---|----|--------------------|
|                       | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |
| 5249                  | N                        | N | N | N | N | N | N | N | N | N  | 0                  |
| 5250(FL)              | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5251                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5252                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5253                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5254                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5255                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5256                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5257                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5258                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5259                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5260                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5261                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5262                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5263                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5264                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5265                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5266                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5267                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5268                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5269                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5270                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5271                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5272                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5273                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5274                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5275                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5276                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5277                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5278                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5279                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5280                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5281                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5282                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5283                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5284                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5285                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5286                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5287                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5288                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5289                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5290                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5291                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5292                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5293                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |

|          |   |   |   |   |   |   |   |   |   |   |     |
|----------|---|---|---|---|---|---|---|---|---|---|-----|
| 5294     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5295     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5296     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5297     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5298     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5299     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5300     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5301     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5302     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5303     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5304     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5305     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5306     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5307     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5308     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5309     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5310     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5311     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5312     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5313     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5314     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5315     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5316     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5317     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5318     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5319     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5320     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5321     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5322     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5323     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5324     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5325     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5326     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5327     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5328     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5329     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5330(FH) | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5331     | N | N | N | N | N | N | N | N | N | N | 0   |

# Detection Bandwidth Test - IEEE 802.11ac VHT80

Radar Type 0

EUT Frequency: 5530MHz

EUT 99% Power bandwidth: 76.56MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 76.56MHz

Detection bandwidth (5570(FH) – 5490(FL)) : 80MHz

Test Result : Pass

| Radar Frequency (MHz) | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection Rate (%) |
|-----------------------|--------------------------|---|---|---|---|---|---|---|---|----|--------------------|
|                       | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                    |
| 5489                  | N                        | N | N | N | N | N | N | N | N | N  | 0                  |
| 5490(FL)              | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5491                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5492                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5493                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5494                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5495                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5496                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5497                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5498                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5499                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5500                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5501                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5502                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5503                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5504                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5505                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5506                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5507                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5508                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5509                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5510                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5511                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5512                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5513                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5514                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5515                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5516                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5517                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5518                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5519                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5520                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5521                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5522                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5523                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5524                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5525                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5526                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5527                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5528                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5529                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5530                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5531                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5532                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |
| 5533                  | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                |

|          |   |   |   |   |   |   |   |   |   |   |     |
|----------|---|---|---|---|---|---|---|---|---|---|-----|
| 5534     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5535     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5536     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5537     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5538     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5539     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5540     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5541     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5542     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5543     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5544     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5545     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5546     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5547     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5548     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5549     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5550     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5551     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5552     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5553     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5554     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5555     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5556     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5557     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5558     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5559     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5560     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5561     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5562     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5563     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5564     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5565     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5566     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5567     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5568     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5569     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5570(FH) | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5571     | N | N | N | N | N | N | N | N | N | N | 0   |

### 6.1.1 Channel Availability Check Time

If the EUT successfully detected the radar burst, it should be observed as the EUT has no transmissions occurred until the EUT starts transmitting on another channel.

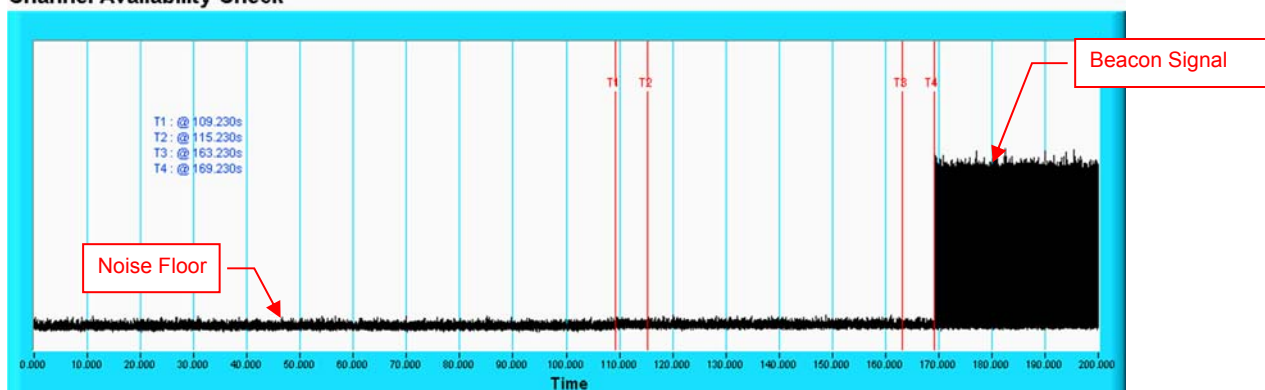
| Timing of Radar Signal | Observation |                   |
|------------------------|-------------|-------------------|
|                        | EUT         | Spectrum Analyzer |
| Within 1 to 6 second   | Detected    | No transmissions  |
| Within 54 to 60 second | Detected    | No transmissions  |



## 5250-5350MHz Band

### Initial Channel Availability Check Time

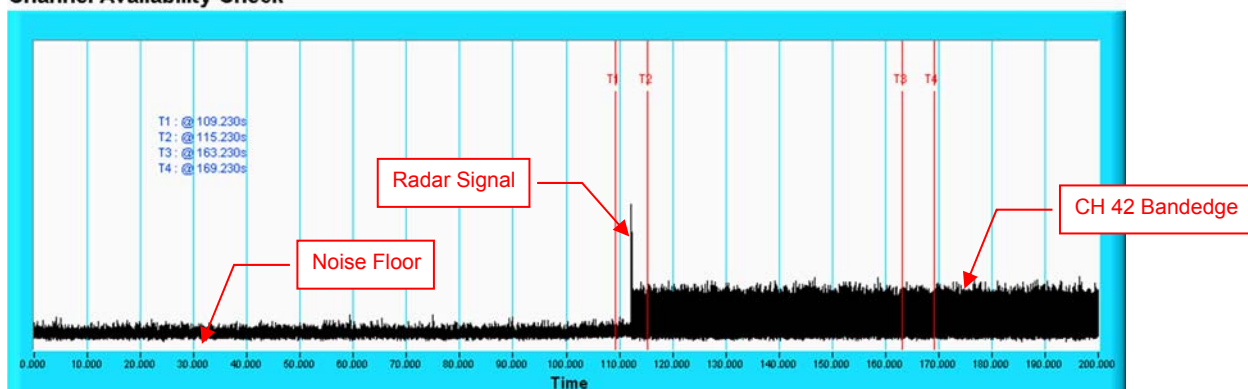
#### Channel Availability Check



Note: T1 denotes the end of power-up time period is 109.23<sup>th</sup> second. T4 denotes the end of Channel Availability Check time is 169.23<sup>th</sup> second. Channel Availability Check time is equal to ( T4 – T1 ) 60 seconds.

### Radar Burst at the Beginning of the Channel Availability Check Time

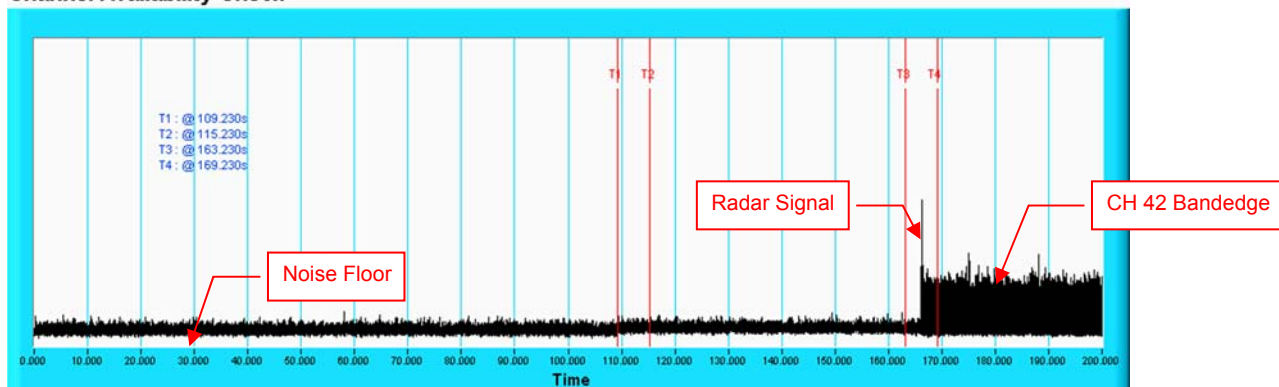
#### Channel Availability Check



Note: T1 denotes the end of power up time period is 109.23<sup>th</sup> second. T2 denotes 115.23<sup>th</sup> second, the radar burst was commenced within a 6 second window starting from the end of power-up sequence. T4 denotes the 169.23<sup>th</sup> second. (When the EUT detects Radar, its channel will change to the adjacent channel, and causing channel edge signal to appear.)

### Radar Burst at the End of the Channel Availability Check Time

#### Channel Availability Check

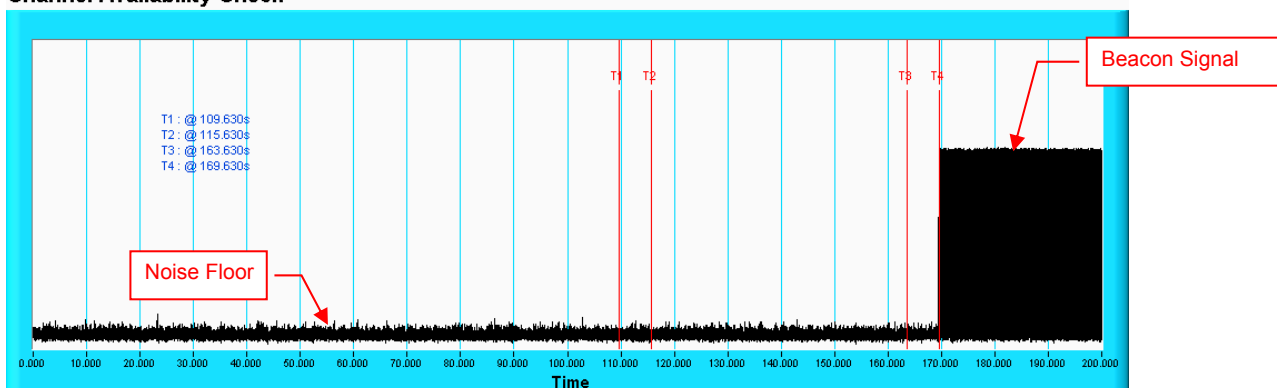


Note: T1 denotes the end of power up time period is 109.23<sup>th</sup> second. T3 denotes 163.23<sup>th</sup> second and radar burst was commenced within 54<sup>th</sup> second to 60<sup>th</sup> second window starting from the end of power-up sequence. T4 denotes the 169.23<sup>th</sup> second. (When the EUT detects Radar, its channel will change to the adjacent channel, and causing channel edge signal to appear.)

## 5470-5725MHz Band

### Initial Channel Availability Check Time

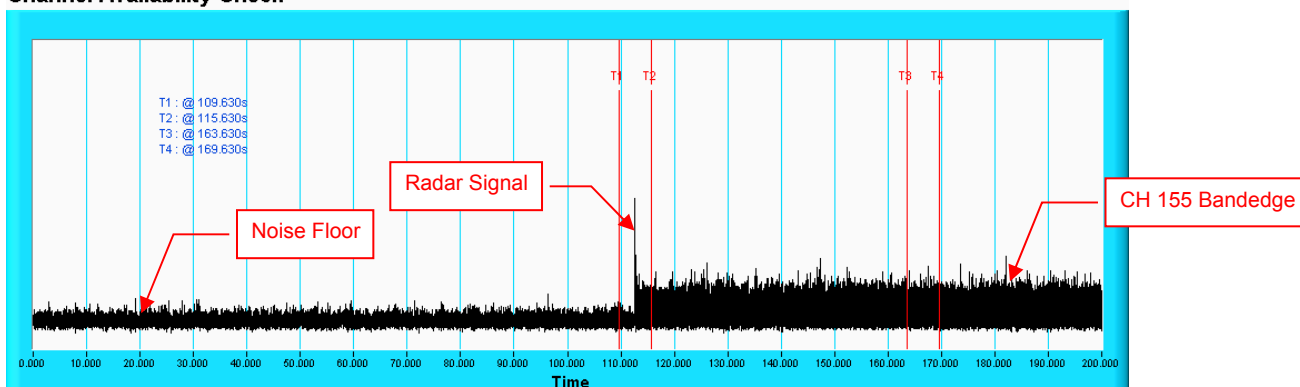
#### Channel Availability Check



Note: T1 denotes the end of power-up time period is 109.63<sup>th</sup> second. T4 denotes the end of Channel Availability Check time is 169.63<sup>th</sup> second. Channel Availability Check time is equal to ( T4 – T1 ) 60 seconds.

### Radar Burst at the Beginning of the Channel Availability Check Time

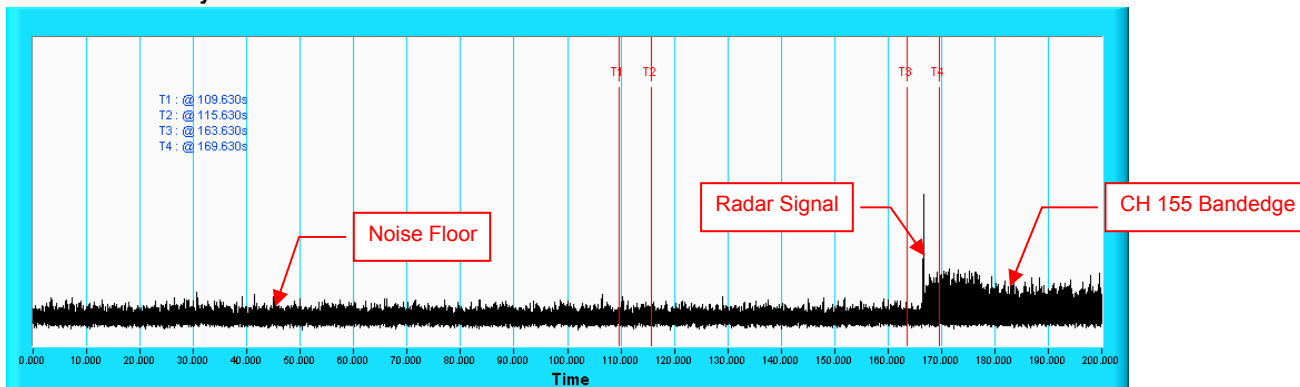
#### Channel Availability Check



Note: T1 denotes the end of power up time period is 109.63<sup>th</sup> second. T2 denotes 115.63<sup>th</sup> second, the radar burst was commenced within a 6 second window starting from the end of power-up sequence. T4 denotes the 169.63<sup>th</sup> second. (When the EUT detects Radar, its channel will change to the adjacent channel, and causing channel edge signal to appear.)

### Radar Burst at the End of the Channel Availability Check Time

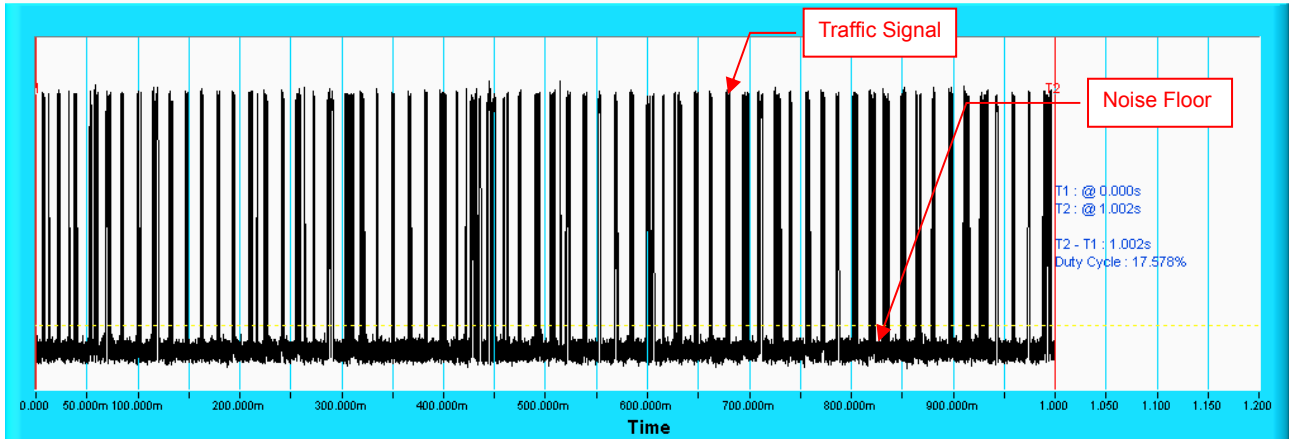
#### Channel Availability Check



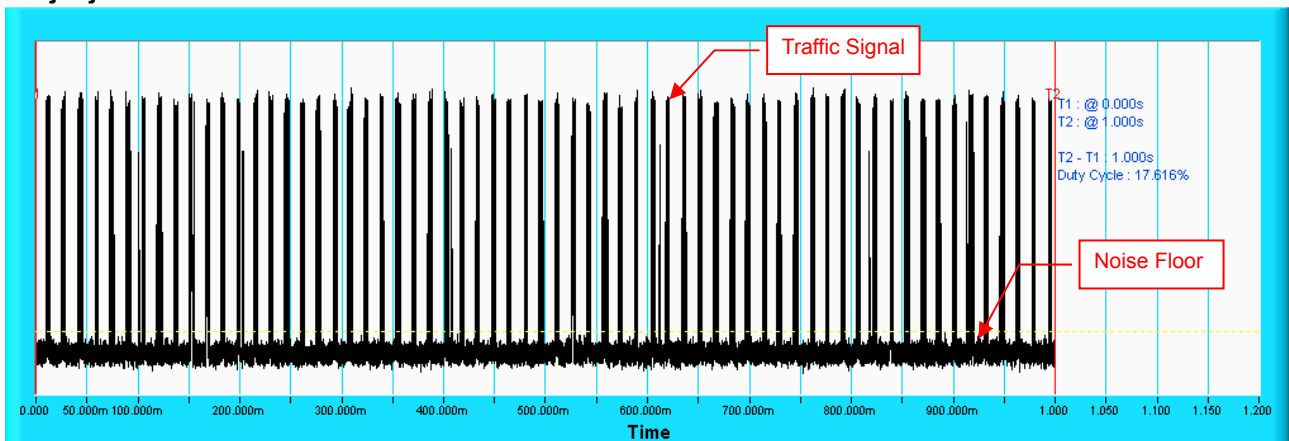
Note: T1 denotes the end of power up time period is 109.63<sup>th</sup> second. T3 denotes 163.63<sup>th</sup> second and radar burst was commenced within 54<sup>th</sup> second to 60<sup>th</sup> second window starting from the end of power-up sequence. T4 denotes the 169.63<sup>th</sup> second. (When the EUT detects Radar, its channel will change to the adjacent channel, and causing channel edge signal to appear.)

## 6.1.2 Channel Closing Transmission and Channel Move Time

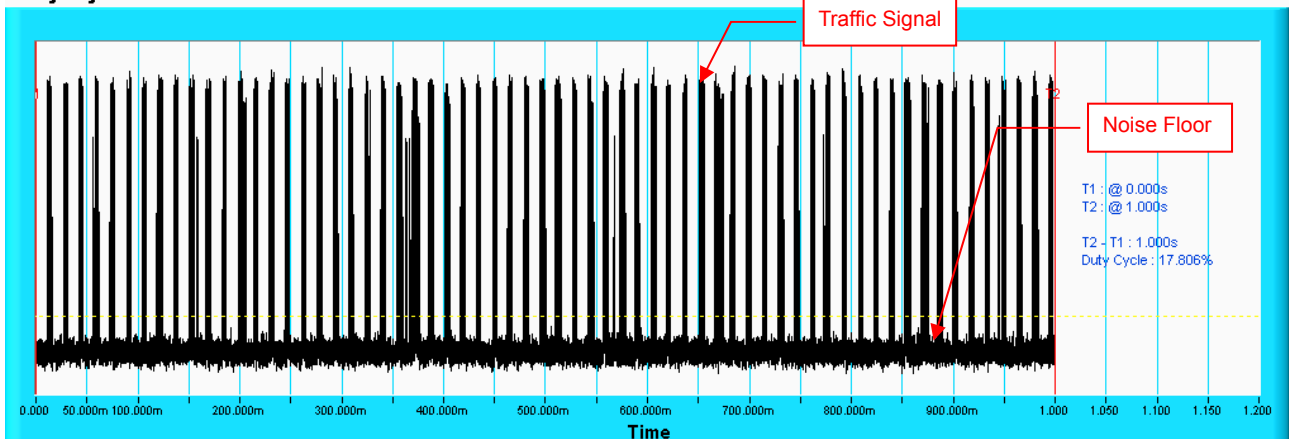
### Wireless Traffic Loading IEEE 802.11n HT20 Duty Cycle



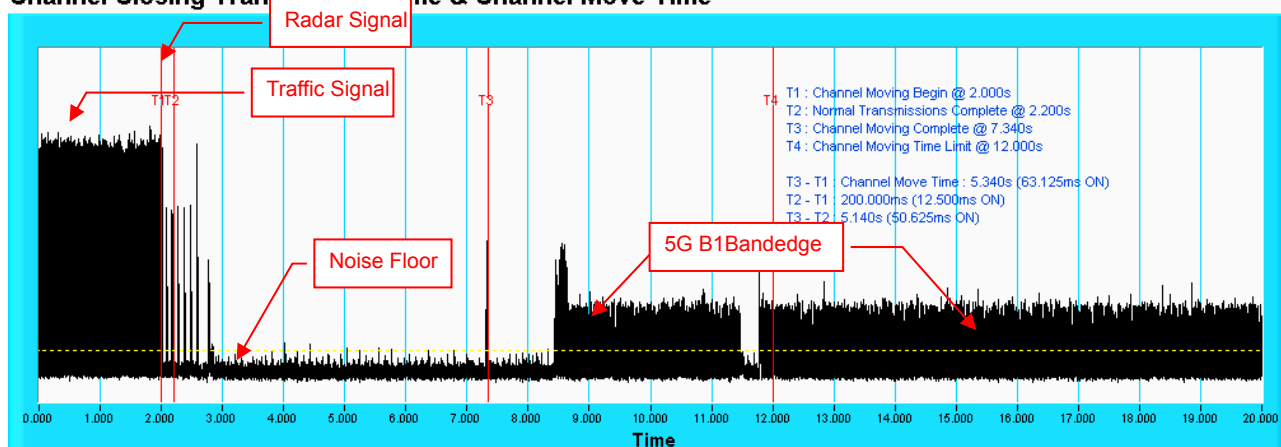
### IEEE 802.11n HT40 Duty Cycle



### IEEE 802.11ac VHT80 Duty Cycle

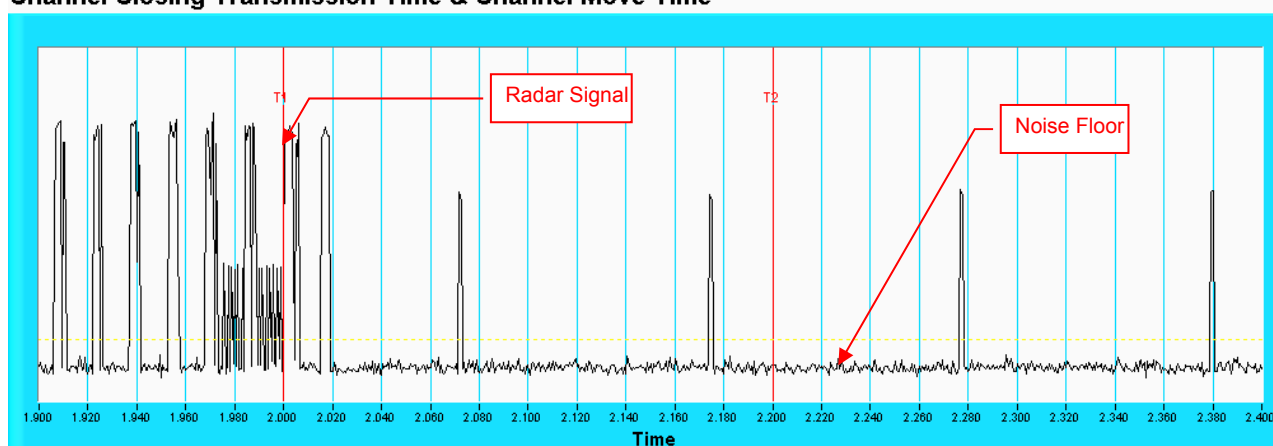


**5250-5350MHz Band**  
**Radar signal 0**  
**IEEE 802.11ac VHT80**  
**Channel Closing Transmission Time & Channel Move Time**



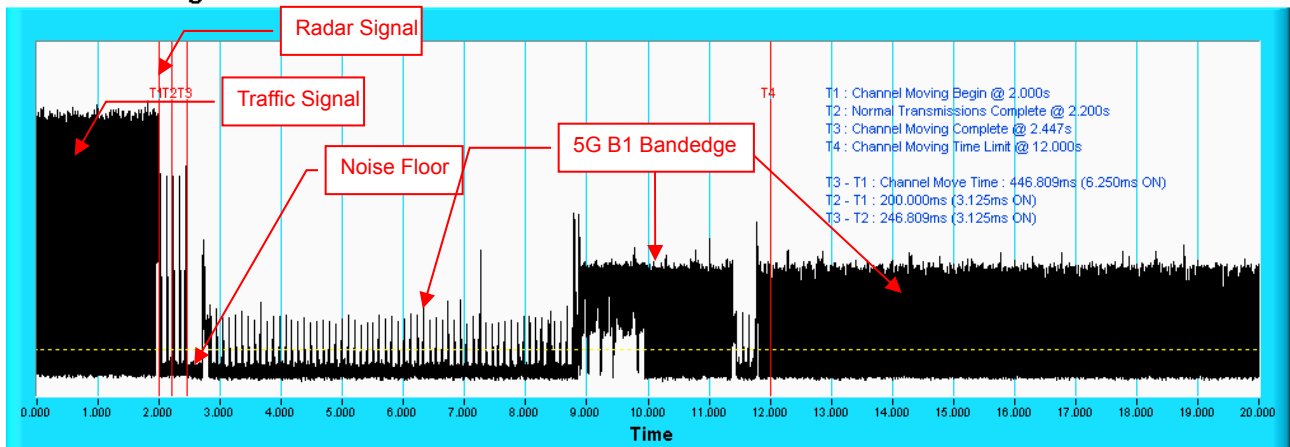
Note: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

**Channel Closing Transmission Time & Channel Move Time**



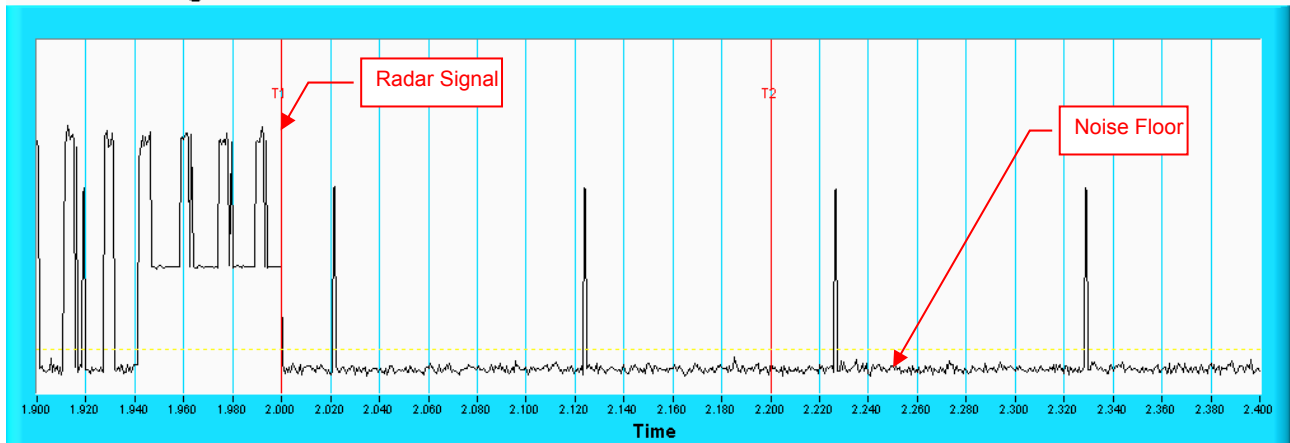
Note: Zoom-in of the first 500ms after radar signal applied.

# **Radar signal 1** **IEEE 802.11ac VHT80** **Channel Closing Transmission Time & Channel Move Time**



Note: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

## **Channel Closing Transmission Time & Channel Move Time**

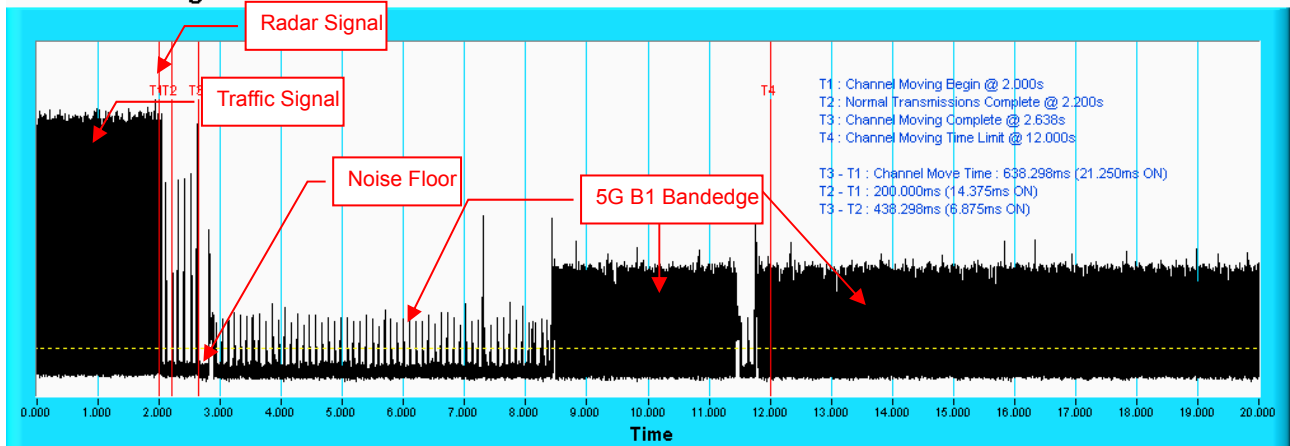


Note: Zoom-in of the first 500ms after radar signal applied.

## Radar signal 2

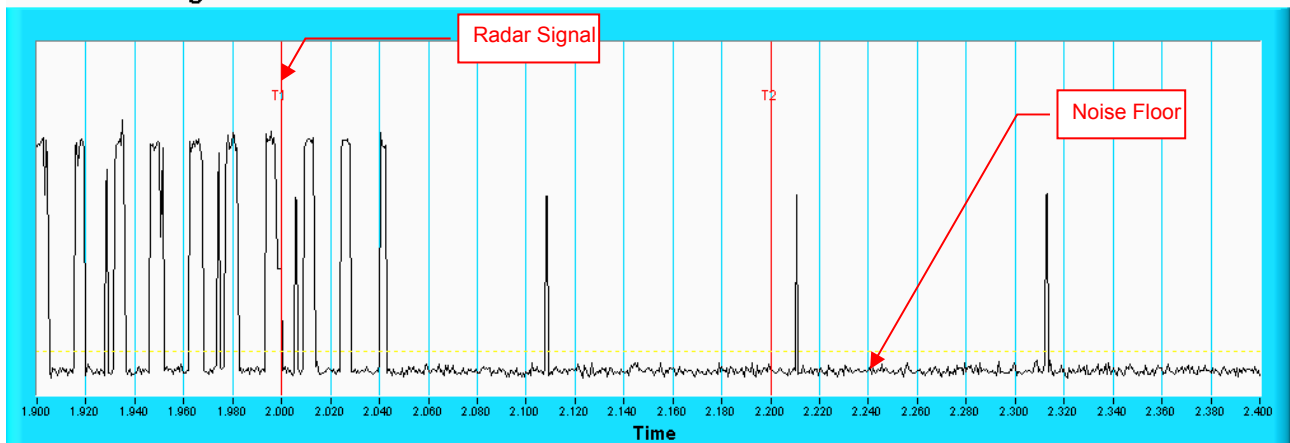
IEEE 802.11ac VHT80

### Channel Closing Transmission Time & Channel Move Time



Note: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

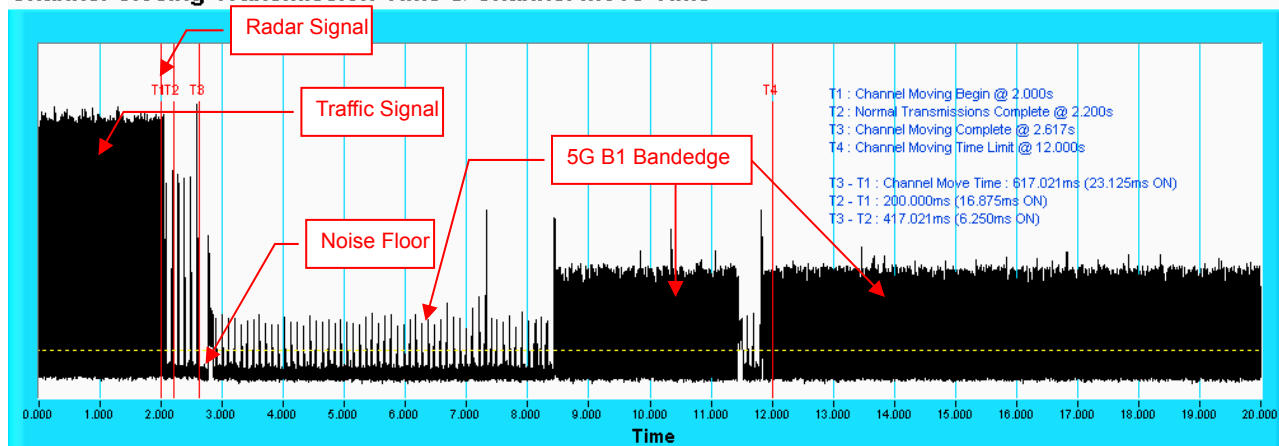
### Channel Closing Transmission Time & Channel Move Time



Note: Zoom-in of the first 500ms after radar signal applied.

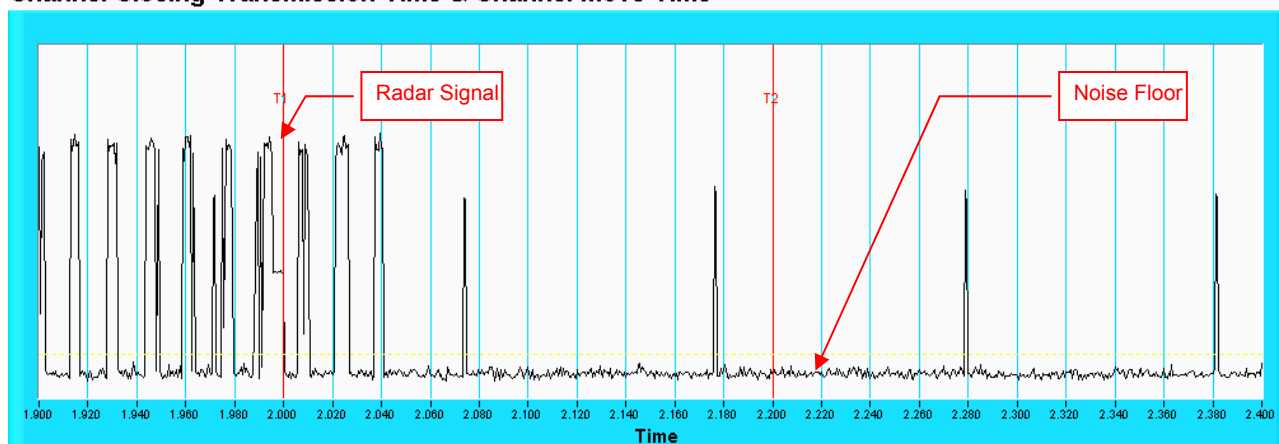
# Radar signal 3 IEEE 802.11ac VHT80

## Channel Closing Transmission Time & Channel Move Time



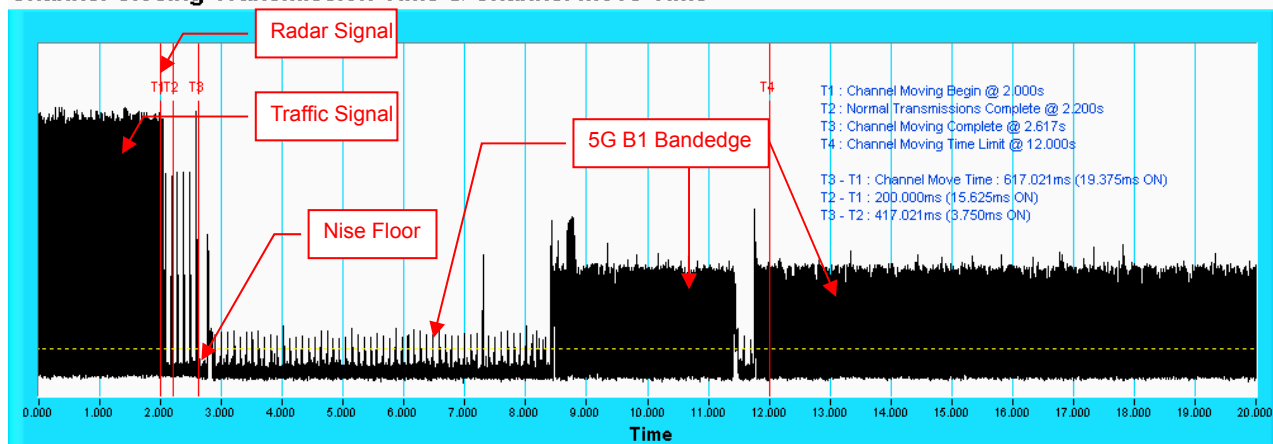
Note: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

## Channel Closing Transmission Time & Channel Move Time



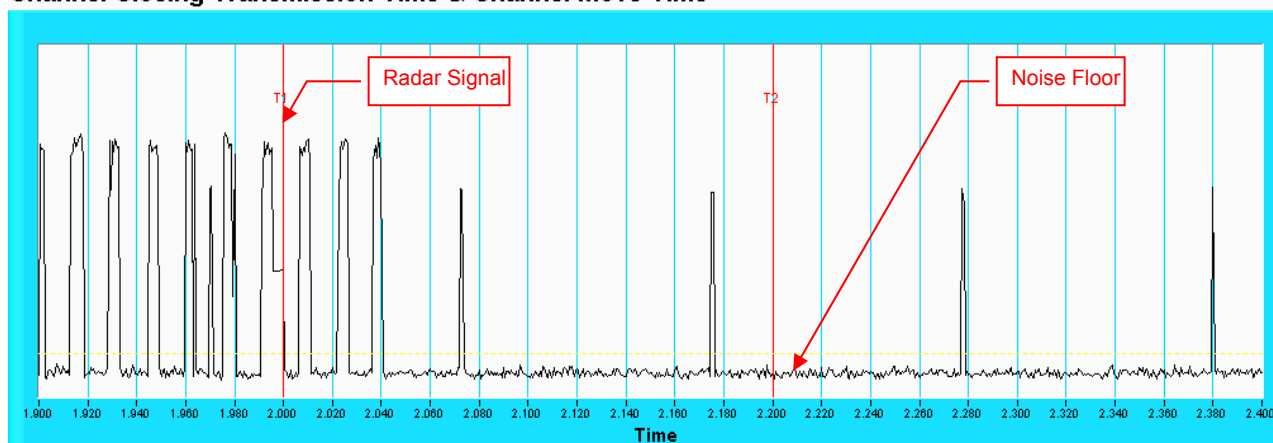
Note: Room-in of the first 500ms after radar signal applied.

# **Radar signal 4** **IEEE 802.11ac VHT80** **Channel Closing Transmission Time & Channel Move Time**



Note: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

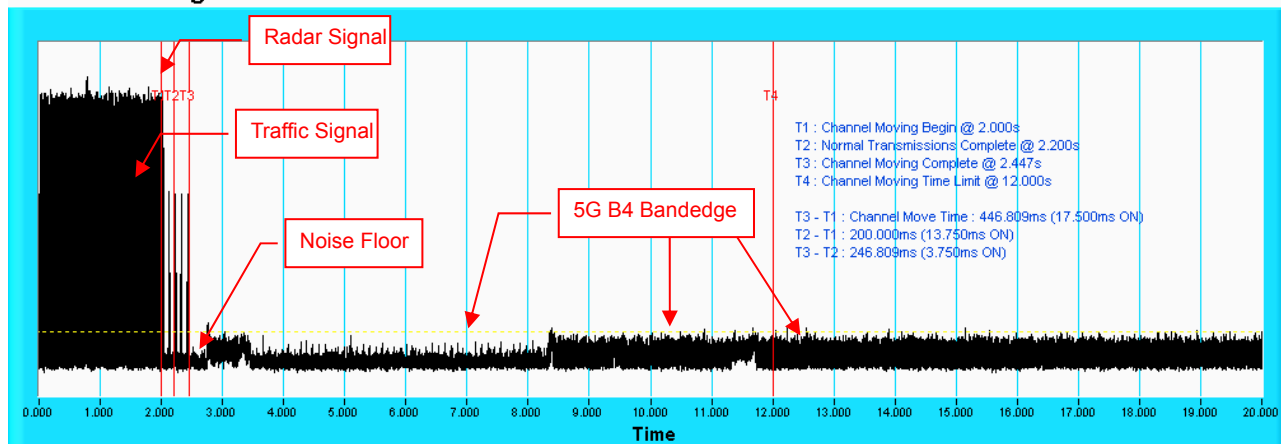
## **Channel Closing Transmission Time & Channel Move Time**



Note: Room-in of the first 500ms after radar signal applied.

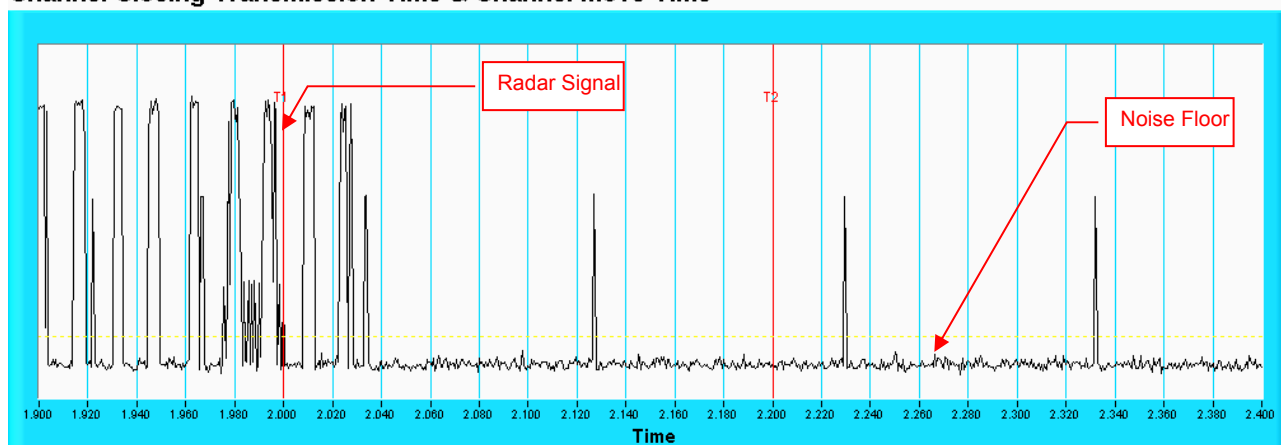


**5470-5725MHz Band**  
**Radar signal 0**  
**IEEE 802.11ac VHT80**  
**Channel Closing Transmission Time & Channel Move Time**



Note: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

**Channel Closing Transmission Time & Channel Move Time**

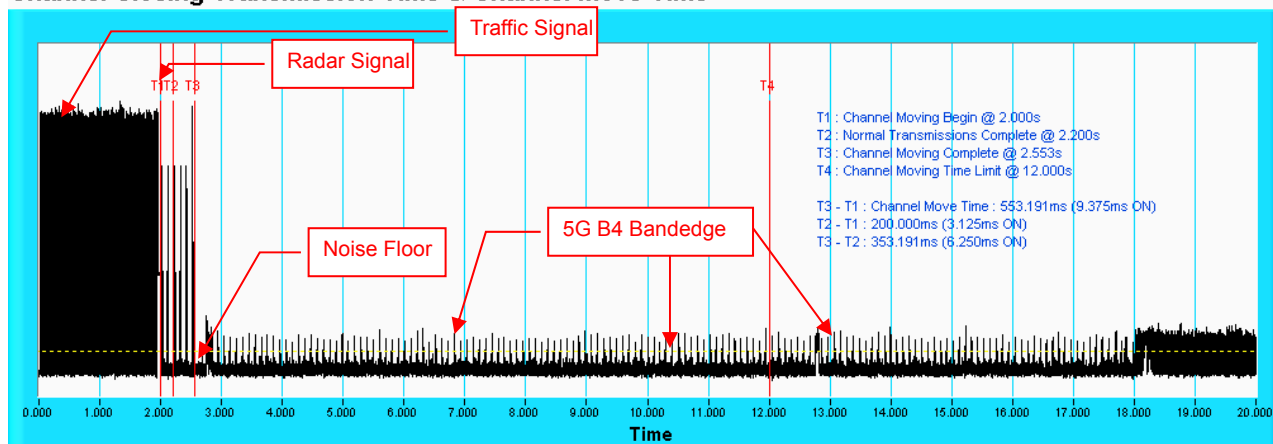


Note: Zoom-in of the first 500ms after radar signal applied.

## Radar signal 1

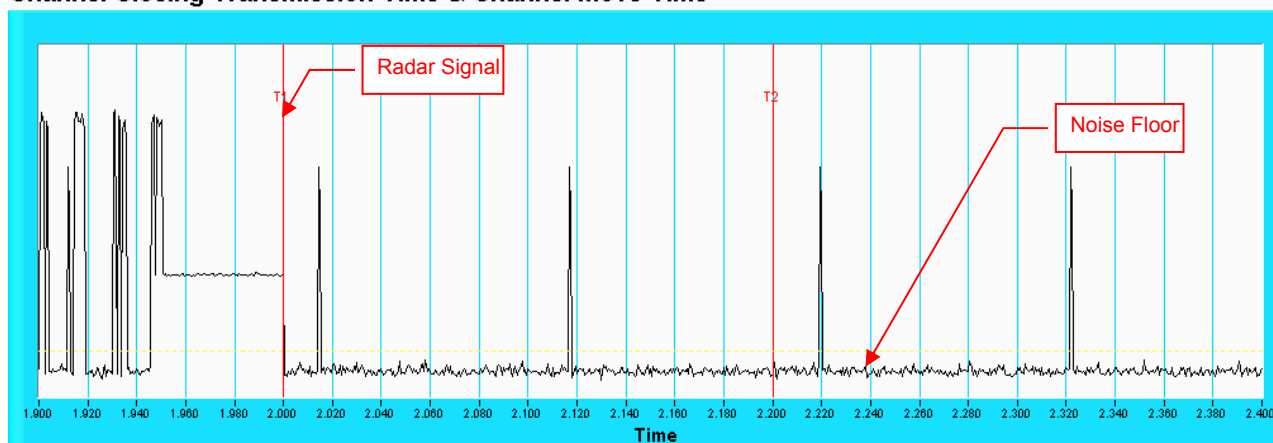
IEEE 802.11ac VHT80

### Channel Closing Transmission Time & Channel Move Time



Note: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

### Channel Closing Transmission Time & Channel Move Time

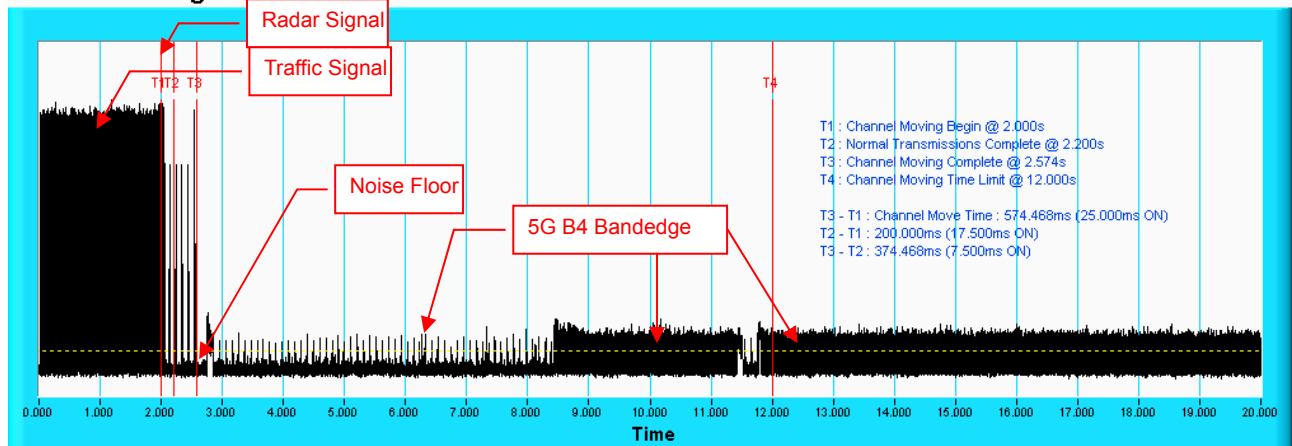


Note: Zoom-in of the first 500ms after radar signal applied.

## Radar signal 2

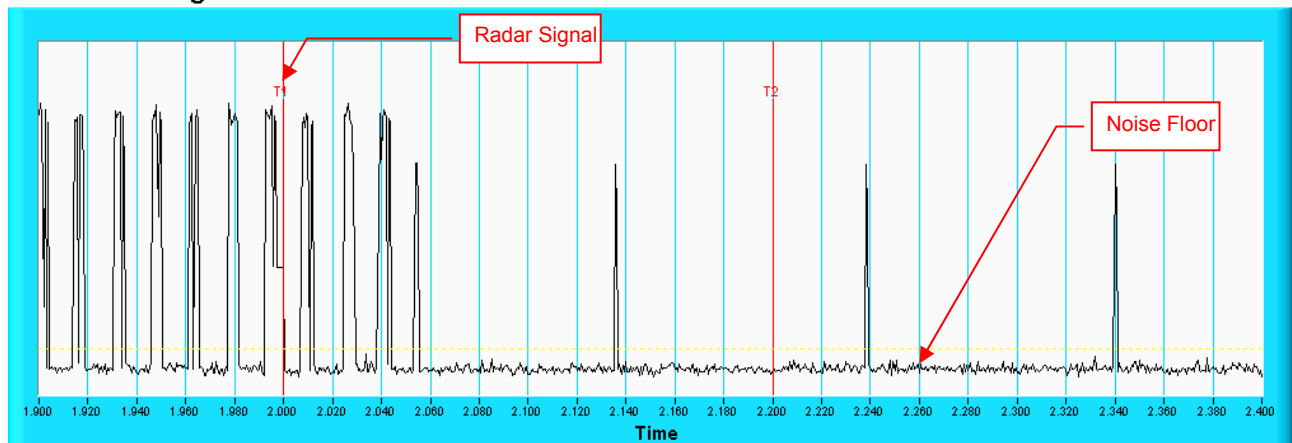
IEEE 802.11ac VHT80

### Channel Closing Transmission Time & Channel Move Time



Note: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

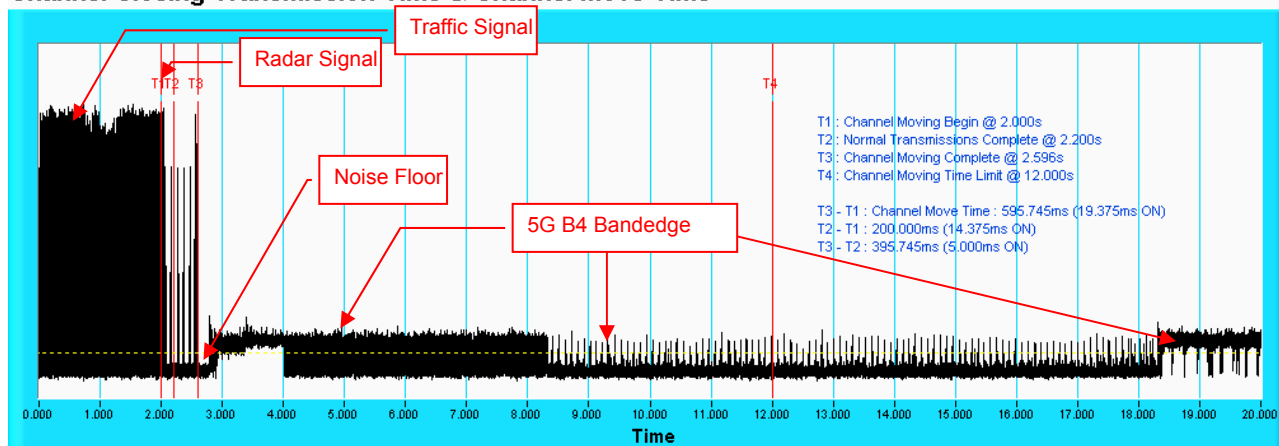
### Channel Closing Transmission Time & Channel Move Time



Note: Zoom-in of the first 500ms after radar signal applied.

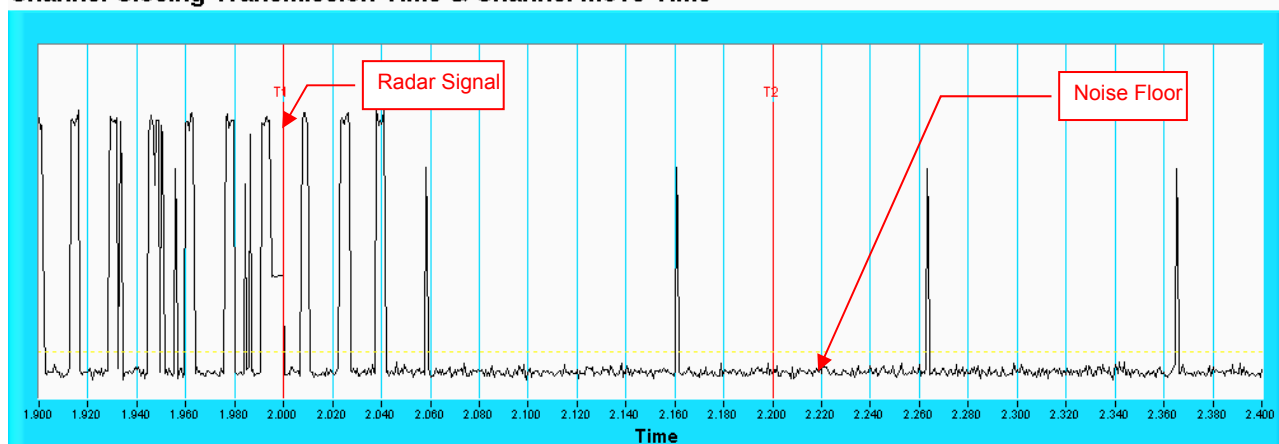
# Radar signal 3 IEEE 802.11ac VHT80

## Channel Closing Transmission Time & Channel Move Time



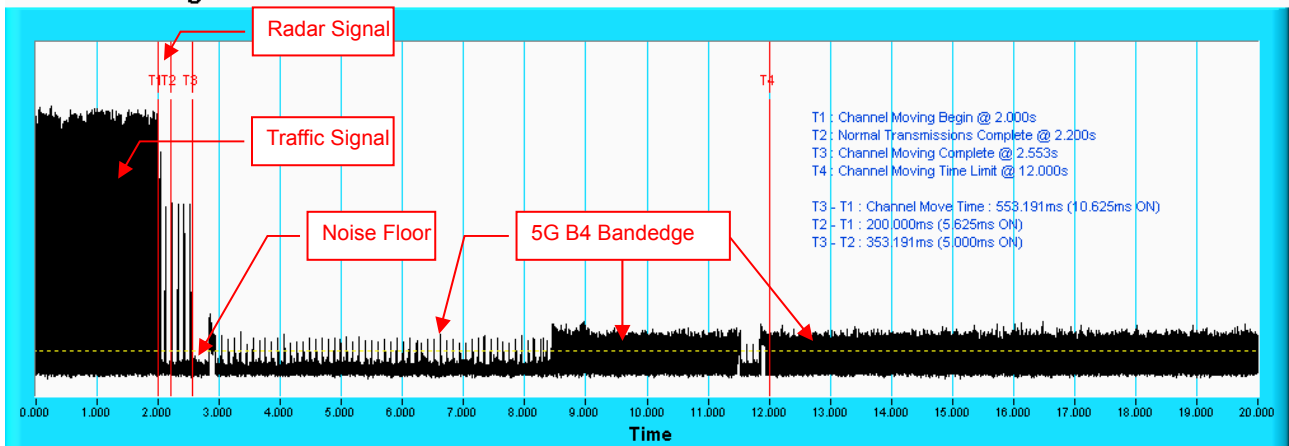
Note: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

## Channel Closing Transmission Time & Channel Move Time



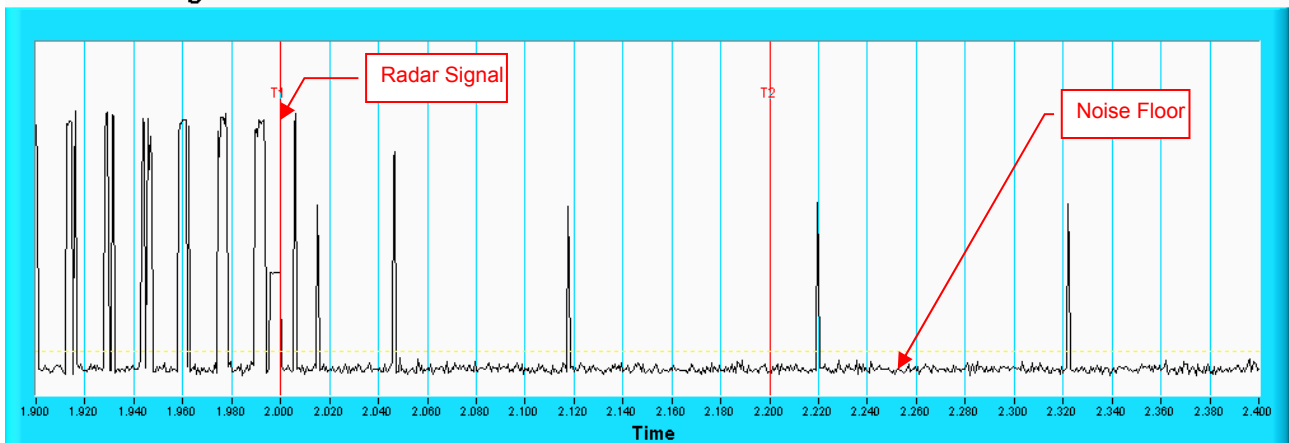
Note: Room-in of the first 500ms after radar signal applied.

# Radar signal 4 IEEE 802.11ac VHT80 Channel Closing Transmission Time & Channel Move Time



Note: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

## Channel Closing Transmission Time & Channel Move Time



Note: Room-in of the first 500ms after radar signal applied.

## 5250-5350MHz Band

### IEEE 802.11n HT20

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                    | Number of Pulses                                                                                                                         | Number of Trials (Times) | Percentage of Successful Detection (%) |
|-----------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------|
| 1                           | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                     | $\text{Roundup} \left\{ \left\{ \frac{1}{360} \right\} \cdot \left\{ \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right\} \right\}$ | 30                       | 93.33%                                 |
|                             |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A |                                                                                                                                          |                          |                                        |
| 2                           | 1-5                | 150-230                                                                                                                                                       | 23-29                                                                                                                                    | 30                       | 90.00%                                 |
| 3                           | 6-10               | 200-500                                                                                                                                                       | 16-18                                                                                                                                    | 30                       | 93.33%                                 |
| 4                           | 11-20              | 200-500                                                                                                                                                       | 12-16                                                                                                                                    | 30                       | 83.33%                                 |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                               |                                                                                                                                          | 120                      | 90.00%                                 |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|-------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                      | 80.00%                                 |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|-------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 30                      | 93.33%                                 |

The Detailed Radar pattern and Statistical Performance showed in Annex A.

# IEEE 802.11n HT40

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                    | Number of Pulses                                                                                                                                  | Number of Trials (Times) | Percentage of Successful Detection (%) |
|-----------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------|
| 1                           | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                     | Roundup $\left\{ \left\lceil \frac{1}{360} \right\rceil \cdot \left\lceil \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right\rceil \right\}$ | 30                       | 93.33%                                 |
|                             |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A |                                                                                                                                                   |                          |                                        |
| 2                           | 1-5                | 150-230                                                                                                                                                       | 23-29                                                                                                                                             | 30                       | 83.33%                                 |
| 3                           | 6-10               | 200-500                                                                                                                                                       | 16-18                                                                                                                                             | 30                       | 83.33%                                 |
| 4                           | 11-20              | 200-500                                                                                                                                                       | 12-16                                                                                                                                             | 30                       | 86.67%                                 |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                               |                                                                                                                                                   | 120                      | 86.67%                                 |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|-------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                      | 100%                                   |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|-------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 30                      | 100%                                   |

The Detailed Radar pattern and Statistical Performance showed in Annex A.

## IEEE 802.11ac VHT80

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                    | Number of Pulses                                                                                               | Number of Trials (Times) | Percentage of Successful Detection (%) |
|-----------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------|
| 1                           | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                     | Roundup $\left\{ \frac{1}{360} \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$ | 30                       | 93.33%                                 |
|                             |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A |                                                                                                                |                          |                                        |
| 2                           | 1-5                | 150-230                                                                                                                                                       | 23-29                                                                                                          | 30                       | 93.33%                                 |
| 3                           | 6-10               | 200-500                                                                                                                                                       | 16-18                                                                                                          | 30                       | 93.33%                                 |
| 4                           | 11-20              | 200-500                                                                                                                                                       | 12-16                                                                                                          | 30                       | 86.67%                                 |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                               |                                                                                                                | 120                      | 91.67%                                 |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|-------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                      | 83.33%                                 |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|-------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 30                      | 100.00%                                |

The Detailed Radar pattern and Statistical Performance showed in Annex A.



# 5470-5725MHz Band

## IEEE 802.11n HT20

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                    | Number of Pulses                                                                                | Number of Trials (Times) | Percentage of Successful Detection (%) |
|-----------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------|
| 1                           | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                     | Roundup $\left\{ \frac{1}{360} \cdot \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right\}$ | 30                       | 96.67%                                 |
|                             |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A |                                                                                                 |                          |                                        |
| 2                           | 1-5                | 150-230                                                                                                                                                       | 23-29                                                                                           | 30                       | 90.00%                                 |
| 3                           | 6-10               | 200-500                                                                                                                                                       | 16-18                                                                                           | 30                       | 90.00%                                 |
| 4                           | 11-20              | 200-500                                                                                                                                                       | 12-16                                                                                           | 30                       | 80.00%                                 |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                               |                                                                                                 | 120                      | 89.17%                                 |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|-------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                      | 100%                                   |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|-------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 30                      | 100%                                   |

The Detailed Radar pattern and Statistical Performance showed in Annex A.

# IEEE 802.11n HT40

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                    | Number of Pulses                                                                                                                         | Number of Trials (Times) | Percentage of Successful Detection (%) |
|-----------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------|
| 1                           | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                     | $\text{Roundup} \left\{ \left\{ \frac{1}{360} \right\} \cdot \left\{ \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right\} \right\}$ | 30                       | 93.33%                                 |
|                             |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A |                                                                                                                                          |                          |                                        |
| 2                           | 1-5                | 150-230                                                                                                                                                       | 23-29                                                                                                                                    | 30                       | 90.00%                                 |
| 3                           | 6-10               | 200-500                                                                                                                                                       | 16-18                                                                                                                                    | 30                       | 80.00%                                 |
| 4                           | 11-20              | 200-500                                                                                                                                                       | 12-16                                                                                                                                    | 30                       | 93.33%                                 |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                               |                                                                                                                                          | 120                      | 89.17%                                 |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|-------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                      | 96.7                                   |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|-------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 30                      | 100%                                   |

The Detailed Radar pattern and Statistical Performance showed in Annex A.

# IEEE 802.11ac VHT80

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                    | Number of Pulses                                                                                               | Number of Trials (Times) | Percentage of Successful Detection (%) |
|-----------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------|----------------------------------------|
| 1                           | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                     | Roundup $\left\{ \frac{1}{360} \cdot \left( \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right) \right\}$ | 30                       | 93.33%                                 |
|                             |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A |                                                                                                                |                          |                                        |
| 2                           | 1-5                | 150-230                                                                                                                                                       | 23-29                                                                                                          | 30                       | 90.00%                                 |
| 3                           | 6-10               | 200-500                                                                                                                                                       | 16-18                                                                                                          | 30                       | 93.33%                                 |
| 4                           | 11-20              | 200-500                                                                                                                                                       | 12-16                                                                                                          | 30                       | 83.33%                                 |
| Aggregate (Radar Types 1-4) |                    |                                                                                                                                                               |                                                                                                                | 120                      | 90.00%                                 |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|-------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                      | 96.7%                                  |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|-------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 30                      | 100%                                   |

The Detailed Radar pattern and Statistical Performance showed in Annex A.

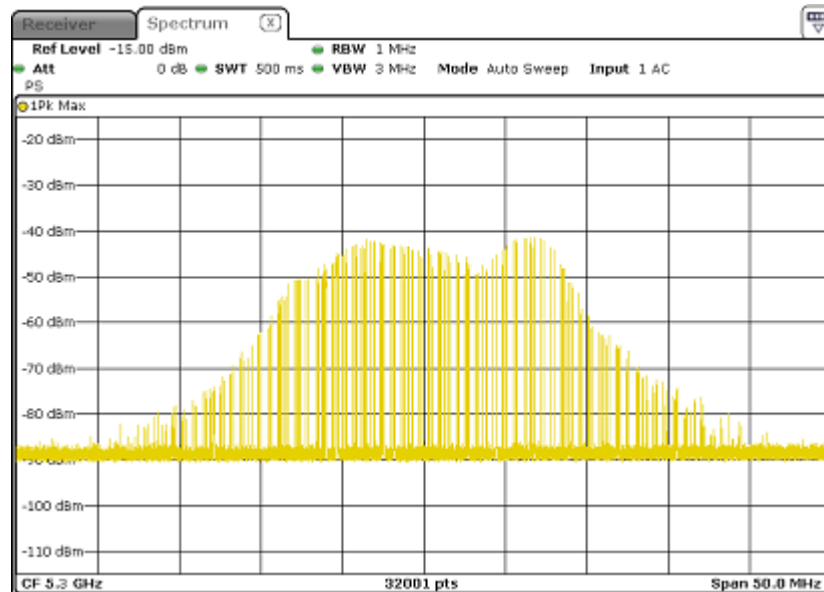
### 6.1.3 Non-Occupancy Period

#### Associate test:

During the 30 minutes observation time, UUT did not make any transmissions on a channel after a radar signal was detected on that channel by either the Channel Availability Check or the In-Service Monitoring.

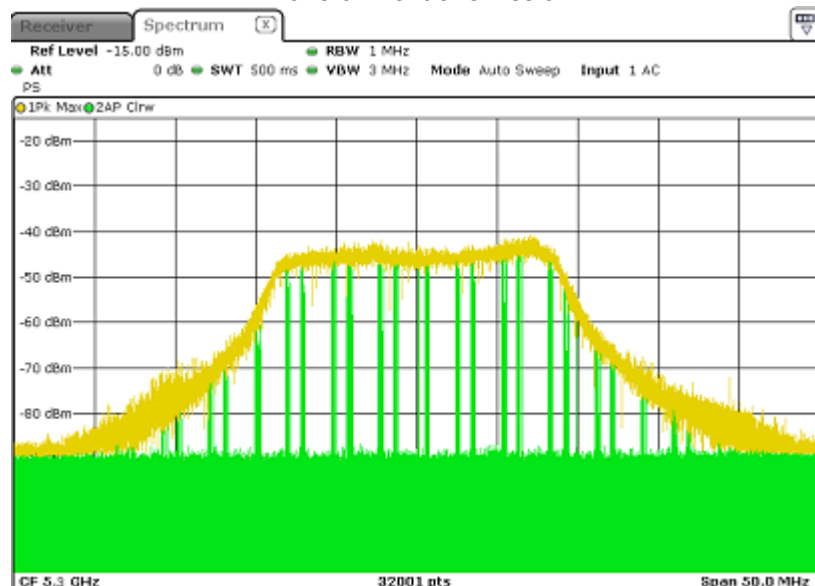
- 1) EUT (Master) links with Client on 5300MHz.

Waveform of EUT links up with Client



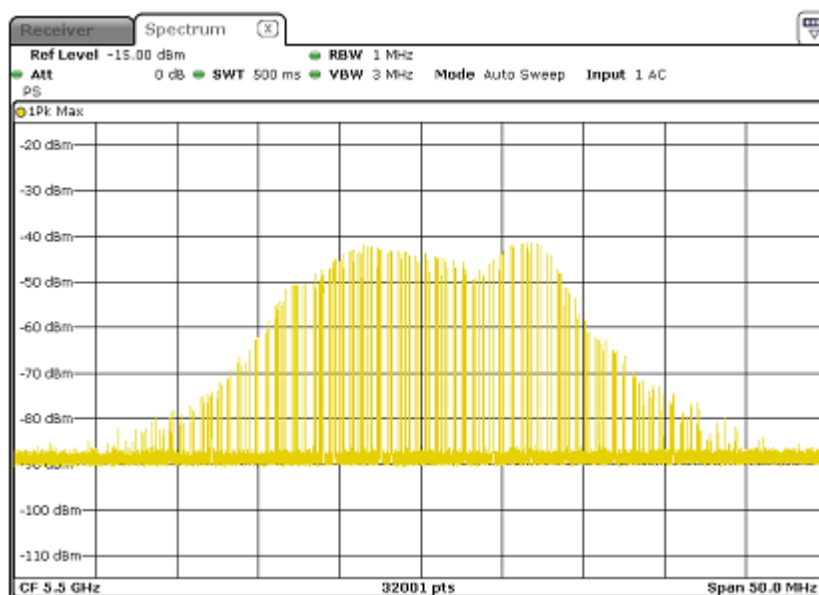
- 2) Master plays specified files via Client.

Waveform of transmission



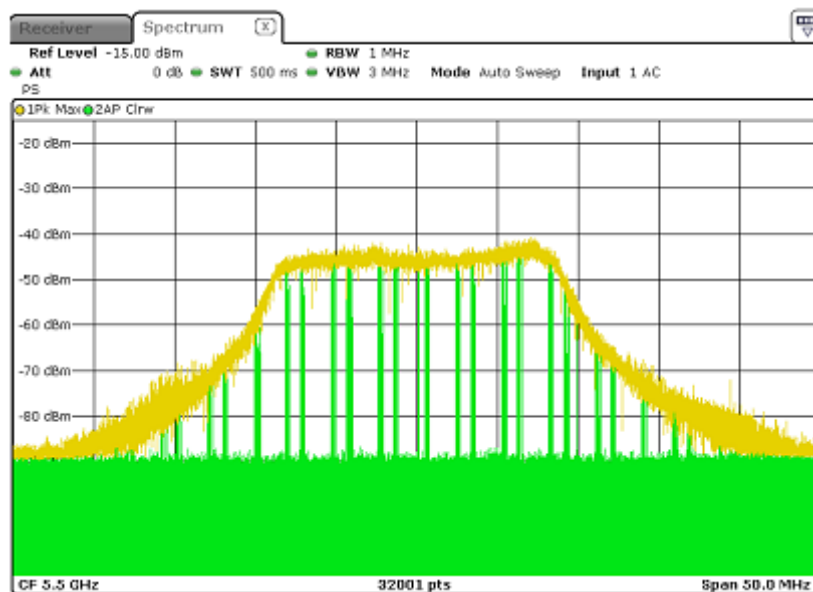
3) EUT (Master) links with Client on 5500MHz.

Waveform of EUT links up with Client



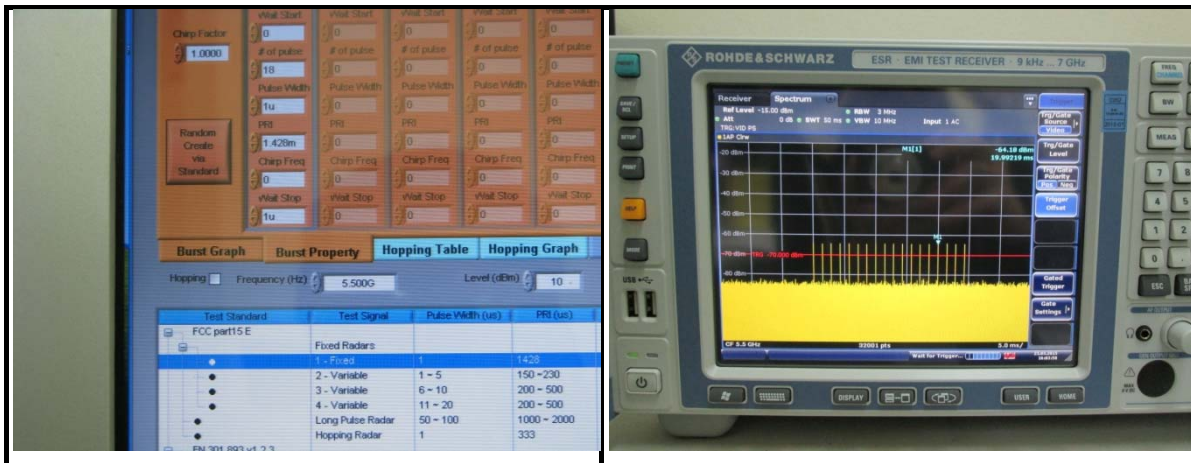
4) Master plays specified files via Client.

Waveform of transmission



5) Radar signal is applied to the Master device and WiFi traffic signal stop immediately.

#### Radar 0



#### Radar 1

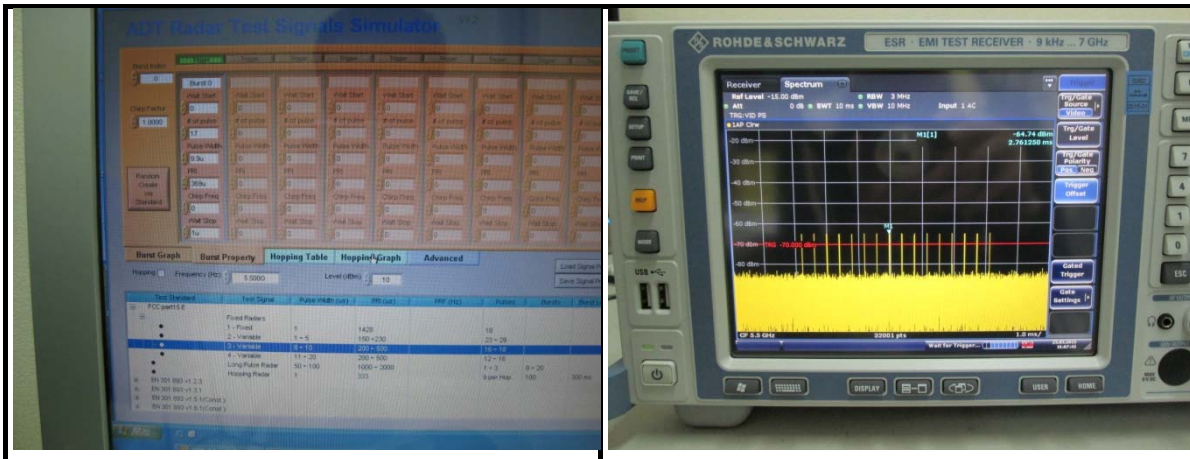


#### Radar 2

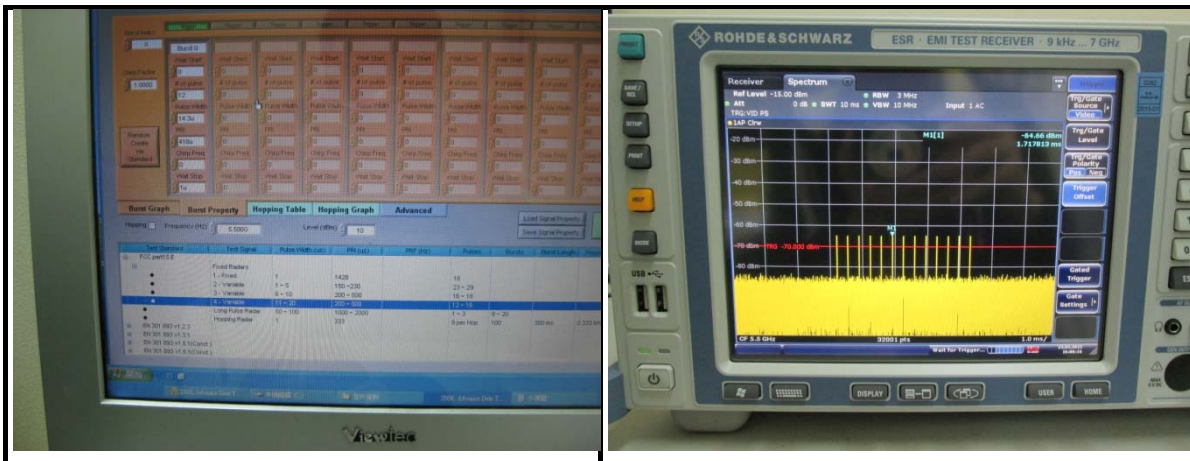




Radar 3



Radar 4



Radar 5



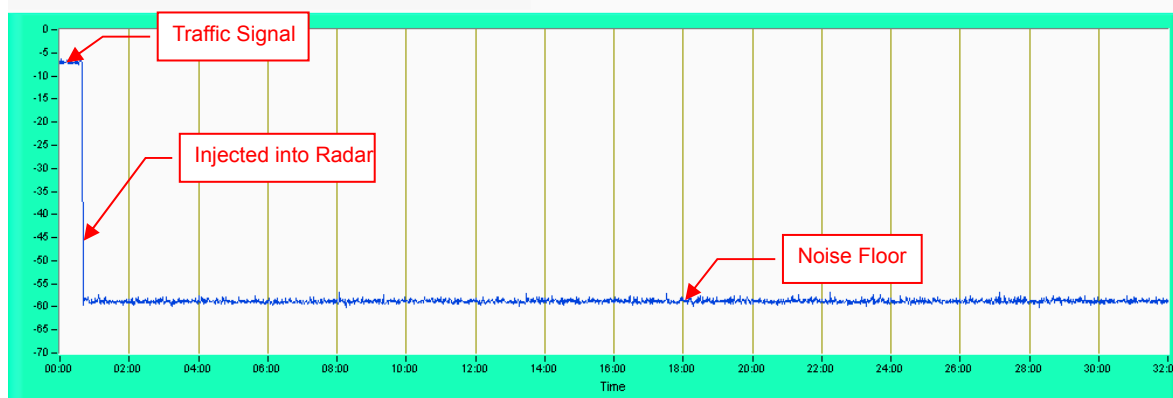
## Radar 6



6) 5300MHz has been monitored in 30 minutes period. In this period, no any transmission occurs.

Plot of 30minutes period

### 802.11n HT20



Note: Test setup are shown on Test setup photo.pdf

### 6.1.4 Uniform Spreading

The intention of the uniform spreading is to provide, on aggregate, a uniform loading of the spectrum. The EUT randomly select next output channel without any bias or fixed pattern, so that all channels in DFS bands (5250 MHz to 5350 MHz) will be used equally.

### 6.2.7 Transmit power control (TPC)

| TPC | E.I.R.P | FCC 15.407(h)(1)                                                            |
|-----|---------|-----------------------------------------------------------------------------|
| √   | > 500mW | The TPC mechanism is required for system with an E.I.R.P. of above 500mW    |
|     | < 500mW | The TPC mechanism is not required for system with an E.I.R.P. of less 500mW |



## 7 Information on the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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**Web Site:** [www.bureauveritas-adt.com](http://www.bureauveritas-adt.com)

The address and road map of all our labs can be found in our web site also.

--- END ---

## Annex-A

### Annex A.1 : The Detailed Radar pattern and Statistical Performance

## 5250-5350MHz Band

## IEEE 802.11n HT20

| Type 1 Radar Statistical Performances |                                            |                        |                  |            |                       |           |
|---------------------------------------|--------------------------------------------|------------------------|------------------|------------|-----------------------|-----------|
| Trial #                               | Pulse Repetition Frequency Number(1 to 23) | PRF(Pulse per seconds) | Pulses per Burst | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 22                                         | 1066.1                 | 57               | 938        | 5493                  | Yes       |
| 2                                     | 10                                         | 1432.7                 | 76               | 698        | 5502                  | Yes       |
| 3                                     | 6                                          | 1618.1                 | 86               | 618        | 5504                  | Yes       |
| 4                                     | 2                                          | 1858.7                 | 99               | 538        | 5494                  | Yes       |
| 5                                     | 19                                         | 1139                   | 61               | 878        | 5495                  | Yes       |
| 6                                     | 23                                         | 326.2                  | 18               | 3066       | 5507                  | Yes       |
| 7                                     | 7                                          | 1567.4                 | 83               | 638        | 5509                  | Yes       |
| 8                                     | 21                                         | 1089.3                 | 58               | 918        | 5503                  | Yes       |
| 9                                     | 17                                         | 1193.3                 | 63               | 838        | 5499                  | Yes       |
| 10                                    | 18                                         | 1165.6                 | 62               | 858        | 5497                  | Yes       |
| 11                                    | 15                                         | 1253.1                 | 67               | 798        | 5501                  | Yes       |
| 12                                    | 11                                         | 1392.8                 | 74               | 718        | 5505                  | No        |
| 13                                    | 4                                          | 1730.1                 | 92               | 578        | 5491                  | Yes       |
| 14                                    | 5                                          | 1672.2                 | 89               | 598        | 5500                  | Yes       |
| 15                                    | 3                                          | 1792.1                 | 95               | 558        | 5508                  | Yes       |
| 16                                    |                                            | 394.3                  | 21               | 2536       | 5496                  | No        |
| 17                                    |                                            | 1035.2                 | 55               | 966        | 5492                  | Yes       |
| 18                                    |                                            | 1209.2                 | 64               | 827        | 5498                  | Yes       |
| 19                                    |                                            | 399.8                  | 22               | 2501       | 5506                  | Yes       |
| 20                                    |                                            | 385.4                  | 21               | 2595       | 5497                  | Yes       |
| 21                                    |                                            | 897.7                  | 48               | 1114       | 5508                  | Yes       |
| 22                                    |                                            | 768.0                  | 41               | 1302       | 5507                  | Yes       |
| 23                                    |                                            | 328.4                  | 18               | 3045       | 5501                  | Yes       |
| 24                                    |                                            | 615.8                  | 33               | 1624       | 5503                  | Yes       |
| 25                                    |                                            | 347.5                  | 19               | 2878       | 5506                  | Yes       |
| 26                                    |                                            | 973.7                  | 52               | 1027       | 5493                  | Yes       |
| 27                                    |                                            | 402.4                  | 22               | 2485       | 5498                  | Yes       |
| 28                                    |                                            | 625.0                  | 33               | 1600       | 5496                  | Yes       |
| 29                                    |                                            | 853.2                  | 46               | 1172       | 5509                  | Yes       |
| 30                                    |                                            | 849.6                  | 45               | 1177       | 5494                  | Yes       |
| Detection Rate: 93.33%                |                                            |                        |                  |            |                       |           |

| Type 2 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 26               | 3.2                | 179        | 5491                  | Yes       |
| 2                                     | 23               | 1.1                | 207        | 5497                  | Yes       |
| 3                                     | 24               | 2.1                | 230        | 5493                  | No        |
| 4                                     | 29               | 4.8                | 200        | 5492                  | Yes       |
| 5                                     | 28               | 3.9                | 214        | 5494                  | Yes       |
| 6                                     | 26               | 2.9                | 222        | 5496                  | Yes       |
| 7                                     | 26               | 3.2                | 204        | 5503                  | Yes       |
| 8                                     | 25               | 2.5                | 192        | 5498                  | Yes       |
| 9                                     | 26               | 3.1                | 164        | 5505                  | Yes       |
| 10                                    | 23               | 1.2                | 156        | 5507                  | Yes       |
| 11                                    | 27               | 3.9                | 210        | 5508                  | Yes       |
| 12                                    | 29               | 4.6                | 201        | 5502                  | Yes       |
| 13                                    | 26               | 3.2                | 162        | 5504                  | No        |
| 14                                    | 25               | 2.2                | 197        | 5509                  | Yes       |
| 15                                    | 29               | 4.5                | 163        | 5501                  | Yes       |
| 16                                    | 26               | 3                  | 203        | 5506                  | Yes       |
| 17                                    | 29               | 5                  | 168        | 5499                  | Yes       |
| 18                                    | 25               | 2.4                | 217        | 5495                  | Yes       |
| 19                                    | 26               | 2.9                | 191        | 5500                  | Yes       |
| 20                                    | 25               | 2.3                | 166        | 5499                  | Yes       |
| 21                                    | 27               | 3.7                | 150        | 5496                  | Yes       |
| 22                                    | 25               | 2.2                | 176        | 5493                  | No        |
| 23                                    | 29               | 4.9                | 195        | 5503                  | Yes       |
| 24                                    | 26               | 2.9                | 202        | 5495                  | Yes       |
| 25                                    | 25               | 2.5                | 178        | 5498                  | Yes       |
| 26                                    | 23               | 1.1                | 206        | 5507                  | Yes       |
| 27                                    | 27               | 3.8                | 155        | 5504                  | Yes       |
| 28                                    | 29               | 4.7                | 157        | 5501                  | Yes       |
| 29                                    | 25               | 2.4                | 224        | 5508                  | Yes       |
| 30                                    | 28               | 4.2                | 159        | 5500                  | Yes       |
| Detection Rate: 90 %                  |                  |                    |            |                       |           |

| Type 3 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 17               | 8.2                | 355        | 5498                  | Yes       |
| 2                                     | 16               | 6.1                | 487        | 5492                  | Yes       |
| 3                                     | 16               | 7.1                | 344        | 5500                  | Yes       |
| 4                                     | 18               | 9.8                | 288        | 5508                  | Yes       |
| 5                                     | 18               | 8.9                | 230        | 5495                  | Yes       |
| 6                                     | 17               | 7.9                | 432        | 5496                  | Yes       |
| 7                                     | 17               | 8.2                | 207        | 5497                  | Yes       |
| 8                                     | 17               | 7.5                | 443        | 5491                  | Yes       |
| 9                                     | 17               | 8.1                | 439        | 5504                  | Yes       |
| 10                                    | 16               | 6.2                | 223        | 5501                  | Yes       |
| 11                                    | 18               | 8.9                | 208        | 5494                  | Yes       |
| 12                                    | 18               | 9.6                | 463        | 5503                  | Yes       |
| 13                                    | 17               | 8.2                | 441        | 5493                  | Yes       |
| 14                                    | 16               | 7.2                | 323        | 5502                  | Yes       |
| 15                                    | 18               | 9.5                | 297        | 5499                  | No        |
| 16                                    | 17               | 8                  | 412        | 5505                  | Yes       |
| 17                                    | 18               | 10                 | 324        | 5506                  | Yes       |
| 18                                    | 17               | 7.4                | 271        | 5509                  | Yes       |
| 19                                    | 17               | 7.9                | 349        | 5507                  | Yes       |
| 20                                    | 16               | 7.3                | 409        | 5504                  | Yes       |
| 21                                    | 18               | 8.7                | 373        | 5491                  | Yes       |
| 22                                    | 16               | 7.2                | 254        | 5500                  | Yes       |
| 23                                    | 18               | 9.9                | 274        | 5494                  | Yes       |
| 24                                    | 17               | 7.9                | 278        | 5506                  | Yes       |
| 25                                    | 17               | 7.5                | 317        | 5502                  | Yes       |
| 26                                    | 16               | 6.1                | 260        | 5492                  | Yes       |
| 27                                    | 18               | 8.8                | 211        | 5493                  | Yes       |
| 28                                    | 18               | 9.7                | 272        | 5503                  | No        |
| 29                                    | 17               | 7.4                | 264        | 5498                  | Yes       |
| 30                                    | 18               | 9.2                | 284        | 5508                  | Yes       |
| Detection Rate: 93.33 %               |                  |                    |            |                       |           |

| Type 4 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 14               | 16                 | 355        | 5506                  | Yes       |
| 2                                     | 12               | 11.3               | 487        | 5495                  | Yes       |
| 3                                     | 13               | 13.5               | 344        | 5501                  | Yes       |
| 4                                     | 16               | 19.4               | 288        | 5507                  | Yes       |
| 5                                     | 15               | 17.5               | 230        | 5492                  | Yes       |
| 6                                     | 14               | 15.3               | 432        | 5499                  | Yes       |
| 7                                     | 14               | 15.9               | 207        | 5497                  | Yes       |
| 8                                     | 13               | 14.3               | 443        | 5496                  | Yes       |
| 9                                     | 14               | 15.8               | 439        | 5498                  | Yes       |
| 10                                    | 12               | 11.5               | 223        | 5500                  | Yes       |
| 11                                    | 15               | 17.4               | 208        | 5509                  | Yes       |
| 12                                    | 16               | 19                 | 463        | 5504                  | Yes       |
| 13                                    | 14               | 16                 | 441        | 5494                  | No        |
| 14                                    | 13               | 13.8               | 323        | 5493                  | Yes       |
| 15                                    | 16               | 18.9               | 297        | 5505                  | Yes       |
| 16                                    | 14               | 15.5               | 412        | 5503                  | No        |
| 17                                    | 16               | 19.9               | 324        | 5502                  | Yes       |
| 18                                    | 13               | 14.1               | 271        | 5491                  | Yes       |
| 19                                    | 14               | 15.2               | 349        | 5508                  | Yes       |
| 20                                    | 13               | 13.8               | 409        | 5507                  | Yes       |
| 21                                    | 15               | 17.1               | 373        | 5499                  | No        |
| 22                                    | 13               | 13.8               | 254        | 5497                  | Yes       |
| 23                                    | 16               | 19.8               | 274        | 5491                  | No        |
| 24                                    | 14               | 15.3               | 278        | 5495                  | Yes       |
| 25                                    | 13               | 14.5               | 317        | 5506                  | Yes       |
| 26                                    | 12               | 11.3               | 260        | 5504                  | No        |
| 27                                    | 15               | 17.3               | 211        | 5503                  | Yes       |
| 28                                    | 16               | 19.2               | 272        | 5500                  | Yes       |
| 29                                    | 13               | 14.2               | 264        | 5492                  | Yes       |
| 30                                    | 15               | 18.2               | 284        | 5493                  | Yes       |
| Detection Rate: 83.33 %               |                  |                    |            |                       |           |

| Type 5 Radar Statistical Performances |                  |                      |
|---------------------------------------|------------------|----------------------|
| Trial #                               | Test Signal Name | Detection            |
| 1                                     | LP_Signal_01     | Yes                  |
| 2                                     | LP_Signal_02     | Yes                  |
| 3                                     | LP_Signal_03     | Yes                  |
| 4                                     | LP_Signal_04     | Yes                  |
| 5                                     | LP_Signal_05     | Yes                  |
| 6                                     | LP_Signal_06     | Yes                  |
| 7                                     | LP_Signal_07     | Yes                  |
| 8                                     | LP_Signal_08     | Yes                  |
| 9                                     | LP_Signal_09     | Yes                  |
| 10                                    | LP_Signal_10     | Yes                  |
| 11                                    | LP_Signal_11     | No                   |
| 12                                    | LP_Signal_12     | Yes                  |
| 13                                    | LP_Signal_13     | No                   |
| 14                                    | LP_Signal_14     | No                   |
| 15                                    | LP_Signal_15     | Yes                  |
| 16                                    | LP_Signal_16     | No                   |
| 17                                    | LP_Signal_17     | No                   |
| 18                                    | LP_Signal_18     | No                   |
| 19                                    | LP_Signal_19     | Yes                  |
| 20                                    | LP_Signal_20     | Yes                  |
| 21                                    | LP_Signal_21     | Yes                  |
| 22                                    | LP_Signal_22     | Yes                  |
| 23                                    | LP_Signal_23     | Yes                  |
| 24                                    | LP_Signal_24     | Yes                  |
| 25                                    | LP_Signal_25     | Yes                  |
| 26                                    | LP_Signal_26     | Yes                  |
| 27                                    | LP_Signal_27     | Yes                  |
| 28                                    | LP_Signal_28     | Yes                  |
| 29                                    | LP_Signal_29     | Yes                  |
| 30                                    | LP_Signal_30     | Yes                  |
|                                       |                  | Detection Rate: 80 % |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_01

Number of Bursts in Trial: 17

Chrip Center Frequency: 5300MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 85.3             | 16                | 3                          | 1590.0     | 1009.0     | 1631.0     |
| 2     | 60.1             | 16                | 1                          | 1810.0     | -          | -          |
| 3     | 71.4             | 16                | 2                          | 1177.0     | 1818.0     | -          |
| 4     | 81.5             | 16                | 2                          | 1846.0     | 1439.0     | -          |
| 5     | 61.2             | 16                | 1                          | 1330.0     | -          | -          |
| 6     | 75.9             | 16                | 2                          | 1070.0     | 1778.0     | -          |
| 7     | 95.5             | 16                | 3                          | 1207.0     | 1585.0     | 1839.0     |
| 8     | 86.3             | 16                | 3                          | 1174.0     | 1154.0     | 1900.0     |
| 9     | 52.1             | 16                | 1                          | 1906.0     | -          | -          |
| 10    | 91.1             | 16                | 3                          | 1628.0     | 1455.0     | 1251.0     |
| 11    | 98.5             | 16                | 3                          | 1256.0     | 1484.0     | 1697.0     |
| 12    | 96.6             | 16                | 3                          | 1134.0     | 1008.0     | 1845.0     |
| 13    | 85.3             | 16                | 3                          | 1496.0     | 1181.0     | 1873.0     |
| 14    | 55.7             | 16                | 1                          | 1762.0     | -          | -          |
| 15    | 65.1             | 16                | 1                          | 1722.0     | -          | -          |
| 16    | 76.9             | 16                | 2                          | 1223.0     | 1482.0     | -          |
| 17    | 97.2             | 16                | 3                          | 1958.0     | 1899.0     | 1898.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_02

Number of Bursts in Trial: 10

Chrip Center Frequency: 5300MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 69.6             | 8                 | 2                          | 1094.0     | 1287.0     | -          |
| 2     | 51.9             | 8                 | 1                          | 1701.0     | -          | -          |
| 3     | 87.4             | 8                 | 3                          | 1564.0     | 1236.0     | 1690.0     |
| 4     | 89.6             | 8                 | 3                          | 1453.0     | 1739.0     | 1476.0     |
| 5     | 85.6             | 8                 | 3                          | 1687.0     | 1053.0     | 1740.0     |
| 6     | 56.8             | 8                 | 1                          | 1395.0     | -          | -          |
| 7     | 52.4             | 8                 | 1                          | 1911.0     | -          | -          |
| 8     | 74.9             | 8                 | 2                          | 1835.0     | 1197.0     | -          |
| 9     | 83.9             | 8                 | 3                          | 1592.0     | 1755.0     | 1147.0     |
| 10    | 65.5             | 8                 | 1                          | 1113.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_03

Number of Bursts in Trial: 13

Chirp Center Frequency: 5300MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 84.5             | 11                | 3                          | 1296.0     | 1001.0     | 1945.0     |
| 2     | 69.4             | 11                | 2                          | 1149.0     | 1199.0     | -          |
| 3     | 50.7             | 11                | 1                          | 1016.0     | -          | -          |
| 4     | 74.6             | 11                | 2                          | 1487.0     | 1362.0     | -          |
| 5     | 88.1             | 11                | 3                          | 1610.0     | 1471.0     | 1510.0     |
| 6     | 76.7             | 11                | 2                          | 1922.0     | 1806.0     | -          |
| 7     | 53.5             | 11                | 1                          | 1872.0     | -          | -          |
| 8     | 98.9             | 11                | 3                          | 1929.0     | 1893.0     | 1015.0     |
| 9     | 84.1             | 11                | 3                          | 1821.0     | 1284.0     | 1242.0     |
| 10    | 86.8             | 11                | 3                          | 1397.0     | 1787.0     | 1158.0     |
| 11    | 71.8             | 11                | 2                          | 1696.0     | 1731.0     | -          |
| 12    | 66.3             | 11                | 1                          | 1853.0     | -          | -          |
| 13    | 53.9             | 11                | 1                          | 1889.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_04

Number of Bursts in Trial: 16

Chirp Center Frequency: 5300MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 58.9             | 15                | 1                          | 1279.0     | -          | -          |
| 2     | 87.3             | 15                | 3                          | 1143.0     | 1203.0     | 1752.0     |
| 3     | 67.3             | 15                | 2                          | 1785.0     | 1051.0     | -          |
| 4     | 72.7             | 15                | 2                          | 1732.0     | 1953.0     | -          |
| 5     | 87.3             | 15                | 3                          | 1621.0     | 1087.0     | 1491.0     |
| 6     | 72.3             | 15                | 2                          | 1437.0     | 1970.0     | -          |
| 7     | 53.3             | 15                | 1                          | 1630.0     | -          | -          |
| 8     | 80.4             | 15                | 2                          | 1868.0     | 1469.0     | -          |
| 9     | 68.2             | 15                | 2                          | 1798.0     | 1071.0     | -          |
| 10    | 74.6             | 15                | 2                          | 1591.0     | 1292.0     | -          |
| 11    | 72.7             | 15                | 2                          | 1159.0     | 1306.0     | -          |
| 12    | 81.6             | 15                | 2                          | 1577.0     | 1187.0     | -          |
| 13    | 54.7             | 15                | 1                          | 1865.0     | -          | -          |
| 14    | 56.7             | 15                | 1                          | 1152.0     | -          | -          |
| 15    | 69.7             | 15                | 2                          | 1276.0     | 1096.0     | -          |
| 16    | 99.7             | 15                | 3                          | 1502.0     | 1708.0     | 1723.0     |



Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_05

Number of Bursts in Trial: 10

Chirp Center Frequency: 5300MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 53.2             | 8                 | 1                          | 1418.0     | -          | -          |
| 2     | 69.0             | 8                 | 2                          | 1336.0     | 1720.0     | -          |
| 3     | 56.6             | 8                 | 1                          | 1268.0     | -          | -          |
| 4     | 77.3             | 8                 | 2                          | 1760.0     | 1137.0     | -          |
| 5     | 60.3             | 8                 | 1                          | 1006.0     | -          | -          |
| 6     | 60.9             | 8                 | 1                          | 1140.0     | -          | -          |
| 7     | 66.8             | 8                 | 2                          | 1229.0     | 1525.0     | -          |
| 8     | 51.3             | 8                 | 1                          | 1930.0     | -          | -          |
| 9     | 66.5             | 8                 | 1                          | 1100.0     | -          | -          |
| 10    | 60.4             | 8                 | 1                          | 1274.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_06

Number of Bursts in Trial: 14

Chirp Center Frequency: 5300MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 69.8             | 13                | 2                          | 1769.0     | 1921.0     | -          |
| 2     | 81.7             | 13                | 2                          | 1944.0     | 1878.0     | -          |
| 3     | 56.9             | 13                | 1                          | 1561.0     | -          | -          |
| 4     | 81.1             | 13                | 2                          | 1983.0     | 1975.0     | -          |
| 5     | 90.1             | 13                | 3                          | 1568.0     | 1914.0     | 1456.0     |
| 6     | 75.4             | 13                | 2                          | 1857.0     | 1372.0     | -          |
| 7     | 53.2             | 13                | 1                          | 1634.0     | -          | -          |
| 8     | 98.0             | 13                | 3                          | 1021.0     | 1272.0     | 1370.0     |
| 9     | 78.4             | 13                | 2                          | 1547.0     | 1148.0     | -          |
| 10    | 52.2             | 13                | 1                          | 1201.0     | -          | -          |
| 11    | 68.2             | 13                | 2                          | 1038.0     | 1936.0     | -          |
| 12    | 84.2             | 13                | 3                          | 1183.0     | 1034.0     | 1649.0     |
| 13    | 65.1             | 13                | 1                          | 1110.0     | -          | -          |
| 14    | 52.6             | 13                | 1                          | 1599.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_07

Number of Bursts in Trial: 19

Chirp Center Frequency: 5300MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 80.6             | 19                | 2                          | 1385.0     | 1357.0     | -          |
| 2     | 85.2             | 19                | 3                          | 1604.0     | 1083.0     | 1583.0     |
| 3     | 66.3             | 19                | 1                          | 1859.0     | -          | -          |
| 4     | 94.8             | 19                | 3                          | 1363.0     | 1405.0     | 1505.0     |
| 5     | 78.1             | 19                | 2                          | 1478.0     | 1107.0     | -          |
| 6     | 93.0             | 19                | 3                          | 1939.0     | 1374.0     | 1406.0     |
| 7     | 83.3             | 19                | 2                          | 1549.0     | 1562.0     | -          |
| 8     | 69.9             | 19                | 2                          | 1081.0     | 1157.0     | -          |
| 9     | 83.9             | 19                | 3                          | 1475.0     | 1024.0     | 1996.0     |
| 10    | 99.2             | 19                | 3                          | 1195.0     | 1557.0     | 1409.0     |
| 11    | 80.8             | 19                | 2                          | 1192.0     | 1172.0     | -          |
| 12    | 67.7             | 19                | 2                          | 1124.0     | 1315.0     | -          |
| 13    | 65.2             | 19                | 1                          | 1099.0     | -          | -          |
| 14    | 89.1             | 19                | 3                          | 1956.0     | 1770.0     | 1551.0     |
| 15    | 93.6             | 19                | 3                          | 1440.0     | 1415.0     | 1753.0     |
| 16    | 98.1             | 19                | 3                          | 1998.0     | 1951.0     | 1167.0     |
| 17    | 70.4             | 19                | 2                          | 1711.0     | 1468.0     | -          |
| 18    | 66.0             | 19                | 1                          | 1811.0     | -          | -          |
| 19    | 56.2             | 19                | 1                          | 1803.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_08

Number of Bursts in Trial: 17

Chirp Center Frequency: 5300MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 76.8             | 16                | 2                          | 1188.0     | 1695.0     | -          |
| 2     | 52.4             | 16                | 1                          | 1912.0     | -          | -          |
| 3     | 71.6             | 16                | 2                          | 1586.0     | 1413.0     | -          |
| 4     | 73.5             | 16                | 2                          | 1744.0     | 1141.0     | -          |
| 5     | 87.2             | 16                | 3                          | 1026.0     | 1703.0     | 1072.0     |
| 6     | 84.6             | 16                | 3                          | 1171.0     | 1233.0     | 1346.0     |
| 7     | 97.4             | 16                | 3                          | 1000.0     | 1163.0     | 1340.0     |
| 8     | 78.4             | 16                | 2                          | 1840.0     | 1673.0     | -          |
| 9     | 56.8             | 16                | 1                          | 1891.0     | -          | -          |
| 10    | 78.4             | 16                | 2                          | 2000.0     | 1122.0     | -          |
| 11    | 67.4             | 16                | 2                          | 1291.0     | 1028.0     | -          |
| 12    | 81.5             | 16                | 2                          | 1298.0     | 1948.0     | -          |
| 13    | 69.1             | 16                | 2                          | 1486.0     | 1079.0     | -          |
| 14    | 53.8             | 16                | 1                          | 1943.0     | -          | -          |
| 15    | 53.9             | 16                | 1                          | 1611.0     | -          | -          |
| 16    | 96.7             | 16                | 3                          | 1938.0     | 1622.0     | 1768.0     |
| 17    | 75.2             | 16                | 2                          | 1543.0     | 1663.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_09

Number of Bursts in Trial: 8

Chirp Center Frequency: 5300MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 94.7             | 5                 | 3                          | 1414.0     | 1714.0     | 1681.0     |
| 2     | 72.0             | 5                 | 2                          | 1266.0     | 1765.0     | -          |
| 3     | 73.2             | 5                 | 2                          | 1605.0     | 1420.0     | -          |
| 4     | 73.6             | 5                 | 2                          | 1801.0     | 1391.0     | -          |
| 5     | 77.1             | 5                 | 2                          | 1883.0     | 1994.0     | -          |
| 6     | 100.0            | 5                 | 3                          | 1102.0     | 1522.0     | 1289.0     |
| 7     | 97.9             | 5                 | 3                          | 1874.0     | 1368.0     | 1049.0     |
| 8     | 57.8             | 5                 | 1                          | 1657.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_10

Number of Bursts in Trial: 18

Chirp Center Frequency: 5300MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 50.2             | 18                | 1                          | 1949.0     | -          | -          |
| 2     | 72.4             | 18                | 2                          | 1862.0     | 1990.0     | -          |
| 3     | 60.1             | 18                | 1                          | 1317.0     | -          | -          |
| 4     | 64.2             | 18                | 1                          | 1483.0     | -          | -          |
| 5     | 54.3             | 18                | 1                          | 1325.0     | -          | -          |
| 6     | 80.3             | 18                | 2                          | 1130.0     | 1337.0     | -          |
| 7     | 81.9             | 18                | 2                          | 1710.0     | 1980.0     | -          |
| 8     | 52.2             | 18                | 1                          | 1025.0     | -          | -          |
| 9     | 77.9             | 18                | 2                          | 1518.0     | 1528.0     | -          |
| 10    | 88.4             | 18                | 3                          | 1940.0     | 1313.0     | 1104.0     |
| 11    | 50.2             | 18                | 1                          | 1572.0     | -          | -          |
| 12    | 59.0             | 18                | 1                          | 1972.0     | -          | -          |
| 13    | 61.7             | 18                | 1                          | 1932.0     | -          | -          |
| 14    | 79.1             | 18                | 2                          | 1669.0     | 1238.0     | -          |
| 15    | 60.2             | 18                | 1                          | 1210.0     | -          | -          |
| 16    | 80.8             | 18                | 2                          | 1428.0     | 1979.0     | -          |
| 17    | 64.6             | 18                | 1                          | 1259.0     | -          | -          |
| 18    | 76.5             | 18                | 2                          | 1467.0     | 1954.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_11

Number of Bursts in Trial: 20

Chirp Center Frequency: 5298.5 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 91.6             | 20                | 3                          | 1851.0     | 1870.0     | 1103.0     |
| 2     | 66.5             | 20                | 1                          | 1258.0     | -          | -          |
| 3     | 67.7             | 20                | 2                          | 1910.0     | 1261.0     | -          |
| 4     | 61.6             | 20                | 1                          | 1382.0     | -          | -          |
| 5     | 63.8             | 20                | 1                          | 1767.0     | -          | -          |
| 6     | 61.2             | 20                | 1                          | 1973.0     | -          | -          |
| 7     | 92.4             | 20                | 3                          | 1849.0     | 1293.0     | 1675.0     |
| 8     | 68.4             | 20                | 2                          | 1523.0     | 1719.0     | -          |
| 9     | 53.3             | 20                | 1                          | 1702.0     | -          | -          |
| 10    | 98.4             | 20                | 3                          | 1981.0     | 1444.0     | 1058.0     |
| 11    | 92.9             | 20                | 3                          | 1650.0     | 1498.0     | 1115.0     |
| 12    | 82.7             | 20                | 2                          | 1957.0     | 1888.0     | -          |
| 13    | 99.7             | 20                | 3                          | 1331.0     | 1255.0     | 1916.0     |
| 14    | 52.4             | 20                | 1                          | 1078.0     | -          | -          |
| 15    | 73.7             | 20                | 2                          | 1678.0     | 1682.0     | -          |
| 16    | 65.6             | 20                | 1                          | 1033.0     | -          | -          |
| 17    | 87.0             | 20                | 3                          | 1757.0     | 1443.0     | 1205.0     |
| 18    | 62.2             | 20                | 1                          | 1212.0     | -          | -          |
| 19    | 87.2             | 20                | 3                          | 1354.0     | 1022.0     | 1919.0     |
| 20    | 64.1             | 20                | 1                          | 1709.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_12

Number of Bursts in Trial: 20

Chirp Center Frequency: 5292.9 MHz

| Burst | Pulse Width<br>(us) | Chirp Width<br>(MHz) | Number of<br>Pulses per<br>Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------------|----------------------------------|------------|------------|------------|
| 1     | 52.4                | 19                   | 1                                | 1795.0     | -          | -          |
| 2     | 98.1                | 19                   | 3                                | 1461.0     | 1116.0     | 1160.0     |
| 3     | 85.5                | 19                   | 3                                | 1063.0     | 1301.0     | 1665.0     |
| 4     | 79.2                | 19                   | 2                                | 1559.0     | 1689.0     | -          |
| 5     | 91.3                | 19                   | 3                                | 1730.0     | 1060.0     | 1435.0     |
| 6     | 65.5                | 19                   | 1                                | 1228.0     | -          | -          |
| 7     | 53.7                | 19                   | 1                                | 1632.0     | -          | -          |
| 8     | 87.7                | 19                   | 3                                | 1850.0     | 1098.0     | 1037.0     |
| 9     | 63.5                | 19                   | 1                                | 1479.0     | -          | -          |
| 10    | 65.5                | 19                   | 1                                | 1947.0     | -          | -          |
| 11    | 61.8                | 19                   | 1                                | 1389.0     | -          | -          |
| 12    | 92.4                | 19                   | 3                                | 1239.0     | 1848.0     | 1360.0     |
| 13    | 59.0                | 19                   | 1                                | 1451.0     | -          | -          |
| 14    | 50.6                | 19                   | 1                                | 1202.0     | -          | -          |
| 15    | 58.4                | 19                   | 1                                | 1432.0     | -          | -          |
| 16    | 81.4                | 19                   | 2                                | 1538.0     | 1288.0     | -          |
| 17    | 90.2                | 19                   | 3                                | 1512.0     | 1758.0     | 1007.0     |
| 18    | 88.6                | 19                   | 3                                | 1623.0     | 1314.0     | 1286.0     |
| 19    | 58.5                | 19                   | 1                                | 1294.0     | -          | -          |
| 20    | 98.9                | 19                   | 3                                | 1842.0     | 1540.0     | 1984.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_13

Number of Bursts in Trial: 17

Chirp Center Frequency: 5297.7 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 71.8             | 16                | 2                          | 1813.0     | 1217.0     | -          |
| 2     | 86.0             | 16                | 3                          | 1366.0     | 1305.0     | 1245.0     |
| 3     | 76.9             | 16                | 2                          | 1404.0     | 1563.0     | -          |
| 4     | 83.5             | 16                | 3                          | 1925.0     | 1472.0     | 1625.0     |
| 5     | 59.4             | 16                | 1                          | 1582.0     | -          | -          |
| 6     | 95.3             | 16                | 3                          | 1128.0     | 1658.0     | 1858.0     |
| 7     | 88.7             | 16                | 3                          | 1886.0     | 1364.0     | 1601.0     |
| 8     | 97.8             | 16                | 3                          | 1164.0     | 1297.0     | 1823.0     |
| 9     | 85.3             | 16                | 3                          | 1782.0     | 1282.0     | 1995.0     |
| 10    | 96.1             | 16                | 3                          | 1086.0     | 1064.0     | 1521.0     |
| 11    | 92.2             | 16                | 3                          | 1318.0     | 1069.0     | 1931.0     |
| 12    | 98.1             | 16                | 3                          | 1367.0     | 1042.0     | 1986.0     |
| 13    | 93.7             | 16                | 3                          | 1170.0     | 1946.0     | 1917.0     |
| 14    | 50.4             | 16                | 1                          | 1578.0     | -          | -          |
| 15    | 74.0             | 16                | 2                          | 1736.0     | 1606.0     | -          |
| 16    | 93.5             | 16                | 3                          | 1379.0     | 1380.0     | 1855.0     |
| 17    | 81.0             | 16                | 2                          | 1361.0     | 1877.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_14

Number of Bursts in Trial: 9

Chirp Center Frequency: 5297.3 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 88.5             | 6                 | 3                          | 1642.0     | 1371.0     | 1896.0     |
| 2     | 70.4             | 6                 | 2                          | 1792.0     | 1531.0     | -          |
| 3     | 98.3             | 6                 | 3                          | 1793.0     | 1817.0     | 1427.0     |
| 4     | 57.5             | 6                 | 1                          | 1776.0     | -          | -          |
| 5     | 54.7             | 6                 | 1                          | 1609.0     | -          | -          |
| 6     | 54.8             | 6                 | 1                          | 1575.0     | -          | -          |
| 7     | 87.9             | 6                 | 3                          | 1271.0     | 1684.0     | 1506.0     |
| 8     | 86.6             | 6                 | 3                          | 1721.0     | 1429.0     | 1904.0     |
| 9     | 50.4             | 6                 | 1                          | 1383.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_15

Number of Bursts in Trial: 11

Chirp Center Frequency: 5293.3MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 73.7             | 9                 | 2                          | 1635.0     | 1909.0     | -          |
| 2     | 99.1             | 9                 | 3                          | 1756.0     | 1959.0     | 1618.0     |
| 3     | 94.1             | 9                 | 3                          | 1136.0     | 1745.0     | 1655.0     |
| 4     | 92.4             | 9                 | 3                          | 1529.0     | 1214.0     | 1125.0     |
| 5     | 75.5             | 9                 | 2                          | 1047.0     | 1672.0     | -          |
| 6     | 98.4             | 9                 | 3                          | 1588.0     | 1112.0     | 1206.0     |
| 7     | 53.6             | 9                 | 1                          | 1089.0     | -          | -          |
| 8     | 88.3             | 9                 | 3                          | 1097.0     | 1533.0     | 1108.0     |
| 9     | 92.4             | 9                 | 3                          | 1834.0     | 1847.0     | 1715.0     |
| 10    | 66.4             | 9                 | 1                          | 1106.0     | -          | -          |
| 11    | 71.1             | 9                 | 2                          | 1602.0     | 1410.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_16

Number of Bursts in Trial: 14

Chirp Center Frequency: 5297.7 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 52.0             | 13                | 1                          | 1333.0     | -          | -          |
| 2     | 69.8             | 13                | 2                          | 1636.0     | 1836.0     | -          |
| 3     | 96.0             | 13                | 3                          | 1080.0     | 1640.0     | 1866.0     |
| 4     | 76.9             | 13                | 2                          | 1173.0     | 1408.0     | -          |
| 5     | 55.9             | 13                | 1                          | 1927.0     | -          | -          |
| 6     | 52.3             | 13                | 1                          | 1923.0     | -          | -          |
| 7     | 67.5             | 13                | 2                          | 1962.0     | 1594.0     | -          |
| 8     | 73.4             | 13                | 2                          | 1698.0     | 1791.0     | -          |
| 9     | 63.7             | 13                | 1                          | 1982.0     | -          | -          |
| 10    | 98.8             | 13                | 3                          | 1942.0     | 1013.0     | 1537.0     |
| 11    | 58.5             | 13                | 1                          | 1867.0     | -          | -          |
| 12    | 76.6             | 13                | 2                          | 1969.0     | 1262.0     | -          |
| 13    | 64.9             | 13                | 1                          | 1005.0     | -          | -          |
| 14    | 50.3             | 13                | 1                          | 1285.0     | -          | -          |



Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_17

Number of Bursts in Trial: 20

Chirp Center Frequency: 5296.1 MHz

| Burst | Pulse Width<br>(us) | Chirp Width<br>(MHz) | Number of<br>Pulses per<br>Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------------|----------------------------------|------------|------------|------------|
| 1     | 51.6                | 20                   | 1                                | 1457.0     | -          | -          |
| 2     | 68.1                | 20                   | 2                                | 1741.0     | 1308.0     | -          |
| 3     | 60.2                | 20                   | 1                                | 1216.0     | -          | -          |
| 4     | 91.4                | 20                   | 3                                | 1987.0     | 1913.0     | 1822.0     |
| 5     | 67.0                | 20                   | 2                                | 1645.0     | 1662.0     | -          |
| 6     | 81.2                | 20                   | 2                                | 1960.0     | 1661.0     | -          |
| 7     | 89.1                | 20                   | 3                                | 1127.0     | 1589.0     | 1121.0     |
| 8     | 97.0                | 20                   | 3                                | 1554.0     | 1558.0     | 1492.0     |
| 9     | 59.0                | 20                   | 1                                | 1241.0     | -          | -          |
| 10    | 71.6                | 20                   | 2                                | 1812.0     | 1349.0     | -          |
| 11    | 89.7                | 20                   | 3                                | 1807.0     | 1875.0     | 1273.0     |
| 12    | 53.6                | 20                   | 1                                | 1614.0     | -          | -          |
| 13    | 92.9                | 20                   | 3                                | 1612.0     | 1666.0     | 1310.0     |
| 14    | 70.5                | 20                   | 2                                | 1644.0     | 1797.0     | -          |
| 15    | 93.8                | 20                   | 3                                | 1215.0     | 1997.0     | 1465.0     |
| 16    | 94.4                | 20                   | 3                                | 1316.0     | 1726.0     | 1264.0     |
| 17    | 55.3                | 20                   | 1                                | 1885.0     | -          | -          |
| 18    | 58.1                | 20                   | 1                                | 1566.0     | -          | -          |
| 19    | 57.6                | 20                   | 1                                | 1788.0     | -          | -          |
| 20    | 72.3                | 20                   | 2                                | 1257.0     | 1569.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_18

Number of Bursts in Trial: 13

Chirp Center Frequency: 5296.9 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 79.0             | 11                | 2                          | 1894.0     | 1433.0     | -          |
| 2     | 68.7             | 11                | 2                          | 1182.0     | 1481.0     | -          |
| 3     | 74.5             | 11                | 2                          | 1499.0     | 1600.0     | -          |
| 4     | 71.4             | 11                | 2                          | 1277.0     | 1146.0     | -          |
| 5     | 51.6             | 11                | 1                          | 1321.0     | -          | -          |
| 6     | 52.4             | 11                | 1                          | 1895.0     | -          | -          |
| 7     | 87.4             | 11                | 3                          | 1402.0     | 1219.0     | 1508.0     |
| 8     | 64.4             | 11                | 1                          | 1680.0     | -          | -          |
| 9     | 72.8             | 11                | 2                          | 1027.0     | 1218.0     | -          |
| 10    | 51.6             | 11                | 1                          | 1424.0     | -          | -          |
| 11    | 65.1             | 11                | 1                          | 1045.0     | -          | -          |
| 12    | 72.4             | 11                | 2                          | 1511.0     | 1320.0     | -          |
| 13    | 79.1             | 11                | 2                          | 1386.0     | 1270.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_19

Number of Bursts in Trial: 8

Chirp Center Frequency: 5295.3 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 92.0             | 5                 | 3                          | 1764.0     | 1111.0     | 1501.0     |
| 2     | 73.9             | 5                 | 2                          | 1869.0     | 1447.0     | -          |
| 3     | 80.3             | 5                 | 2                          | 1617.0     | 1179.0     | -          |
| 4     | 93.5             | 5                 | 3                          | 1120.0     | 1446.0     | 1693.0     |
| 5     | 97.0             | 5                 | 3                          | 1032.0     | 1011.0     | 1633.0     |
| 6     | 75.3             | 5                 | 2                          | 1335.0     | 1841.0     | -          |
| 7     | 85.3             | 5                 | 3                          | 1759.0     | 1355.0     | 1458.0     |
| 8     | 82.0             | 5                 | 2                          | 1040.0     | 1725.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_20

Number of Bursts in Trial: 17

Chirp Center Frequency: 5298.1 MHz

| Burst | Pulse Width<br>(us) | Chirp Width<br>(MHz) | Number of<br>Pulses per<br>Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------------|----------------------------------|------------|------------|------------|
| 1     | 55.0                | 16                   | 1                                | 1934.0     | -          | -          |
| 2     | 60.7                | 16                   | 1                                | 1706.0     | -          | -          |
| 3     | 74.4                | 16                   | 2                                | 1704.0     | 1638.0     | -          |
| 4     | 87.3                | 16                   | 3                                | 1967.0     | 1193.0     | 1832.0     |
| 5     | 52.2                | 16                   | 1                                | 1924.0     | -          | -          |
| 6     | 59.4                | 16                   | 1                                | 1509.0     | -          | -          |
| 7     | 97.1                | 16                   | 3                                | 1490.0     | 1827.0     | 1881.0     |
| 8     | 79.6                | 16                   | 2                                | 1463.0     | 1860.0     | -          |
| 9     | 69.3                | 16                   | 2                                | 1090.0     | 1204.0     | -          |
| 10    | 93.5                | 16                   | 3                                | 1328.0     | 1426.0     | 1814.0     |
| 11    | 50.4                | 16                   | 1                                | 1474.0     | -          | -          |
| 12    | 69.0                | 16                   | 2                                | 1351.0     | 1530.0     | -          |
| 13    | 92.7                | 16                   | 3                                | 1101.0     | 1180.0     | 1029.0     |
| 14    | 71.4                | 16                   | 2                                | 1184.0     | 1243.0     | -          |
| 15    | 83.0                | 16                   | 2                                | 1407.0     | 1524.0     | -          |
| 16    | 93.7                | 16                   | 3                                | 1989.0     | 1054.0     | 1746.0     |
| 17    | 88.9                | 16                   | 3                                | 1864.0     | 1312.0     | 1933.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_21

Number of Bursts in Trial: 18

Chirp Center Frequency: 5304.3 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 89.8             | 17                | 3                          | 1452.0     | 1441.0     | 1619.0     |
| 2     | 64.6             | 17                | 1                          | 1031.0     | -          | -          |
| 3     | 93.9             | 17                | 3                          | 2000.0     | 1323.0     | 1503.0     |
| 4     | 74.7             | 17                | 2                          | 1473.0     | 1065.0     | -          |
| 5     | 74.1             | 17                | 2                          | 1965.0     | 1786.0     | -          |
| 6     | 57.3             | 17                | 1                          | 1088.0     | -          | -          |
| 7     | 56.5             | 17                | 1                          | 1729.0     | -          | -          |
| 8     | 67.2             | 17                | 2                          | 1470.0     | 1211.0     | -          |
| 9     | 74.5             | 17                | 2                          | 1300.0     | 1041.0     | -          |
| 10    | 50.8             | 17                | 1                          | 1794.0     | -          | -          |
| 11    | 96.7             | 17                | 3                          | 1445.0     | 1307.0     | 1035.0     |
| 12    | 63.5             | 17                | 1                          | 1186.0     | -          | -          |
| 13    | 50.9             | 17                | 1                          | 1626.0     | -          | -          |
| 14    | 58.4             | 17                | 1                          | 1615.0     | -          | -          |
| 15    | 82.8             | 17                | 2                          | 1668.0     | 1961.0     | -          |
| 16    | 72.3             | 17                | 2                          | 1249.0     | 1804.0     | -          |
| 17    | 90.3             | 17                | 3                          | 1815.0     | 1196.0     | 1580.0     |
| 18    | 73.9             | 17                | 2                          | 1526.0     | 1200.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_22

Number of Bursts in Trial: 17

Chirp Center Frequency: 5307.1 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 57.9             | 16                | 1                          | 1749.0     | -          | -          |
| 2     | 50.0             | 16                | 1                          | 1338.0     | -          | -          |
| 3     | 84.2             | 16                | 3                          | 1190.0     | 1422.0     | 1545.0     |
| 4     | 99.4             | 16                | 3                          | 1234.0     | 1265.0     | 1735.0     |
| 5     | 93.0             | 16                | 3                          | 1269.0     | 1003.0     | 1648.0     |
| 6     | 90.3             | 16                | 3                          | 1043.0     | 1700.0     | 1573.0     |
| 7     | 84.8             | 16                | 3                          | 1376.0     | 1342.0     | 1466.0     |
| 8     | 53.5             | 16                | 1                          | 1905.0     | -          | -          |
| 9     | 58.2             | 16                | 1                          | 1417.0     | -          | -          |
| 10    | 64.6             | 16                | 1                          | 1348.0     | -          | -          |
| 11    | 53.3             | 16                | 1                          | 1647.0     | -          | -          |
| 12    | 86.5             | 16                | 3                          | 1077.0     | 1517.0     | 1105.0     |
| 13    | 70.6             | 16                | 2                          | 1055.0     | 1488.0     | -          |
| 14    | 91.0             | 16                | 3                          | 1350.0     | 1039.0     | 1138.0     |
| 15    | 86.6             | 16                | 3                          | 1237.0     | 1085.0     | 1802.0     |
| 16    | 54.5             | 16                | 1                          | 1131.0     | -          | -          |
| 17    | 57.1             | 16                | 1                          | 1805.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_23

Number of Bursts in Trial: 9

Chirp Center Frequency: 5302.7 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 60.7             | 7                 | 1                          | 1324.0     | -          | -          |
| 2     | 91.5             | 7                 | 3                          | 1882.0     | 1114.0     | 1653.0     |
| 3     | 57.3             | 7                 | 1                          | 1937.0     | -          | -          |
| 4     | 81.0             | 7                 | 2                          | 1737.0     | 1789.0     | -          |
| 5     | 53.3             | 7                 | 1                          | 1664.0     | -          | -          |
| 6     | 67.9             | 7                 | 2                          | 1046.0     | 1126.0     | -          |
| 7     | 70.0             | 7                 | 2                          | 1396.0     | 1375.0     | -          |
| 8     | 77.7             | 7                 | 2                          | 1777.0     | 1688.0     | -          |
| 9     | 58.5             | 7                 | 1                          | 1311.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_24

Number of Bursts in Trial: 8

Chirp Center Frequency: 5306.7 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 50.4             | 5                 | 1                          | 1494.0     | -          | -          |
| 2     | 66.1             | 5                 | 1                          | 1799.0     | -          | -          |
| 3     | 68.3             | 5                 | 2                          | 1781.0     | 1421.0     | -          |
| 4     | 85.0             | 5                 | 3                          | 1303.0     | 1378.0     | 1144.0     |
| 5     | 67.7             | 5                 | 2                          | 1541.0     | 1667.0     | -          |
| 6     | 96.7             | 5                 | 3                          | 1068.0     | 1119.0     | 1852.0     |
| 7     | 52.3             | 5                 | 1                          | 1516.0     | -          | -          |
| 8     | 97.6             | 5                 | 3                          | 1993.0     | 1796.0     | 1165.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_25

Number of Bursts in Trial: 14

Chirp Center Frequency: 5305.9 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 75.0             | 12                | 2                          | 1168.0     | 1774.0     | -          |
| 2     | 93.6             | 12                | 3                          | 1169.0     | 1178.0     | 1017.0     |
| 3     | 54.7             | 12                | 1                          | 1717.0     | -          | -          |
| 4     | 90.4             | 12                | 3                          | 1926.0     | 1278.0     | 1761.0     |
| 5     | 71.6             | 12                | 2                          | 1976.0     | 1232.0     | -          |
| 6     | 53.5             | 12                | 1                          | 1290.0     | -          | -          |
| 7     | 89.9             | 12                | 3                          | 1347.0     | 1897.0     | 1779.0     |
| 8     | 70.6             | 12                | 2                          | 1542.0     | 1052.0     | -          |
| 9     | 99.2             | 12                | 3                          | 1825.0     | 1358.0     | 1809.0     |
| 10    | 91.9             | 12                | 3                          | 1153.0     | 1520.0     | 1247.0     |
| 11    | 63.9             | 12                | 1                          | 1092.0     | -          | -          |
| 12    | 88.1             | 12                | 3                          | 1985.0     | 1359.0     | 1095.0     |
| 13    | 80.3             | 12                | 2                          | 1828.0     | 1534.0     | -          |
| 14    | 55.7             | 12                | 1                          | 1434.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_26

Number of Bursts in Trial: 16

Chirp Center Frequency: 5305.1 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 76.9             | 15                | 2                          | 1783.0     | 1560.0     | -          |
| 2     | 96.4             | 15                | 3                          | 1091.0     | 1304.0     | 1388.0     |
| 3     | 51.2             | 15                | 1                          | 1056.0     | -          | -          |
| 4     | 72.1             | 15                | 2                          | 1892.0     | 1705.0     | -          |
| 5     | 80.9             | 15                | 2                          | 1495.0     | 1679.0     | -          |
| 6     | 83.0             | 15                | 2                          | 1712.0     | 1607.0     | -          |
| 7     | 93.0             | 15                | 3                          | 1246.0     | 1341.0     | 1724.0     |
| 8     | 54.5             | 15                | 1                          | 1384.0     | -          | -          |
| 9     | 82.2             | 15                | 2                          | 1093.0     | 1142.0     | -          |
| 10    | 64.1             | 15                | 1                          | 1831.0     | -          | -          |
| 11    | 71.6             | 15                | 2                          | 1412.0     | 1155.0     | -          |
| 12    | 84.4             | 15                | 3                          | 1515.0     | 1191.0     | 1743.0     |
| 13    | 89.9             | 15                | 3                          | 1838.0     | 1514.0     | 1176.0     |
| 14    | 68.6             | 15                | 2                          | 1800.0     | 1963.0     | -          |
| 15    | 85.2             | 15                | 3                          | 1646.0     | 1449.0     | 1295.0     |
| 16    | 73.2             | 15                | 2                          | 1074.0     | 1222.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_27

Number of Bursts in Trial: 12

Chirp Center Frequency: 5302.3 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 97.0             | 9                 | 3                          | 1571.0     | 1652.0     | 1830.0     |
| 2     | 56.7             | 9                 | 1                          | 1225.0     | -          | -          |
| 3     | 84.2             | 9                 | 3                          | 1707.0     | 1044.0     | 1656.0     |
| 4     | 73.0             | 9                 | 2                          | 1826.0     | 1500.0     | -          |
| 5     | 65.9             | 9                 | 1                          | 1863.0     | -          | -          |
| 6     | 93.0             | 9                 | 3                          | 1887.0     | 1057.0     | 1230.0     |
| 7     | 99.9             | 9                 | 3                          | 1118.0     | 1824.0     | 1861.0     |
| 8     | 66.8             | 9                 | 2                          | 1780.0     | 1283.0     | -          |
| 9     | 89.1             | 9                 | 3                          | 1411.0     | 1401.0     | 1771.0     |
| 10    | 88.0             | 9                 | 3                          | 1734.0     | 1915.0     | 1907.0     |
| 11    | 67.4             | 9                 | 2                          | 1132.0     | 1030.0     | -          |
| 12    | 60.4             | 9                 | 1                          | 1263.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_28

Number of Bursts in Trial: 16

Chirp Center Frequency: 5305.9 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 54.2             | 16                | 1                          | 1971.0     | -          | -          |
| 2     | 76.0             | 16                | 2                          | 1400.0     | 1513.0     | -          |
| 3     | 56.1             | 16                | 1                          | 1133.0     | -          | -          |
| 4     | 89.7             | 16                | 3                          | 1670.0     | 1991.0     | 1020.0     |
| 5     | 78.3             | 16                | 2                          | 1587.0     | 1546.0     | -          |
| 6     | 94.8             | 16                | 3                          | 1819.0     | 1326.0     | 1584.0     |
| 7     | 89.2             | 16                | 3                          | 1208.0     | 1185.0     | 1436.0     |
| 8     | 71.9             | 16                | 2                          | 1145.0     | 1713.0     | -          |
| 9     | 83.8             | 16                | 3                          | 1339.0     | 1221.0     | 1403.0     |
| 10    | 95.7             | 16                | 3                          | 1377.0     | 1966.0     | 1209.0     |
| 11    | 65.7             | 16                | 1                          | 1353.0     | -          | -          |
| 12    | 69.4             | 16                | 2                          | 1728.0     | 1327.0     | -          |
| 13    | 54.6             | 16                | 1                          | 1539.0     | -          | -          |
| 14    | 70.4             | 16                | 2                          | 1309.0     | 1643.0     | -          |
| 15    | 61.4             | 16                | 1                          | 1135.0     | -          | -          |
| 16    | 90.6             | 16                | 3                          | 1570.0     | 1766.0     | 1485.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_29

Number of Bursts in Trial: 13

Chirp Center Frequency: 5307.1 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 68.8             | 11                | 2                          | 1833.0     | 1598.0     | -          |
| 2     | 87.2             | 11                | 3                          | 1161.0     | 1280.0     | 1390.0     |
| 3     | 63.6             | 11                | 1                          | 1773.0     | -          | -          |
| 4     | 71.2             | 11                | 2                          | 1175.0     | 1497.0     | -          |
| 5     | 85.4             | 11                | 3                          | 1252.0     | 1151.0     | 1448.0     |
| 6     | 76.0             | 11                | 2                          | 1343.0     | 1772.0     | -          |
| 7     | 95.0             | 11                | 3                          | 1139.0     | 1527.0     | 1477.0     |
| 8     | 57.1             | 11                | 1                          | 1890.0     | -          | -          |
| 9     | 53.8             | 11                | 1                          | 1941.0     | -          | -          |
| 10    | 57.2             | 11                | 1                          | 1683.0     | -          | -          |
| 11    | 89.8             | 11                | 3                          | 1507.0     | 1462.0     | 1419.0     |
| 12    | 83.9             | 11                | 3                          | 1425.0     | 1459.0     | 1275.0     |
| 13    | 96.5             | 11                | 3                          | 1567.0     | 1394.0     | 1254.0     |



Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_30

Number of Bursts in Trial: 8

Chrip Center Frequency: 5301.5 MHz

| Burst | Pulse Width (us) | Chrip Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 84.5             | 5                 | 3                          | 1902.0     | 1977.0     | 1156.0     |
| 2     | 83.0             | 5                 | 2                          | 1240.0     | 1365.0     | -          |
| 3     | 93.0             | 5                 | 3                          | 1844.0     | 1067.0     | 1231.0     |
| 4     | 65.5             | 5                 | 1                          | 1519.0     | -          | -          |
| 5     | 82.5             | 5                 | 2                          | 1964.0     | 1260.0     | -          |
| 6     | 50.3             | 5                 | 1                          | 1082.0     | -          | -          |
| 7     | 56.1             | 5                 | 1                          | 1220.0     | -          | -          |
| 8     | 58.0             | 5                 | 1                          | 1816.0     | -          | -          |

| Type 6 Radar Statistical Performances |                  |                    |            |                        |
|---------------------------------------|------------------|--------------------|------------|------------------------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Detection              |
| 1                                     | 9                | 1                  | 333.3      | Yes                    |
| 2                                     | 9                | 1                  | 333.3      | No                     |
| 3                                     | 9                | 1                  | 333.3      | Yes                    |
| 4                                     | 9                | 1                  | 333.3      | Yes                    |
| 5                                     | 9                | 1                  | 333.3      | Yes                    |
| 6                                     | 9                | 1                  | 333.3      | Yes                    |
| 7                                     | 9                | 1                  | 333.3      | Yes                    |
| 8                                     | 9                | 1                  | 333.3      | Yes                    |
| 9                                     | 9                | 1                  | 333.3      | Yes                    |
| 10                                    | 9                | 1                  | 333.3      | Yes                    |
| 11                                    | 9                | 1                  | 333.3      | Yes                    |
| 12                                    | 9                | 1                  | 333.3      | Yes                    |
| 13                                    | 9                | 1                  | 333.3      | Yes                    |
| 14                                    | 9                | 1                  | 333.3      | Yes                    |
| 15                                    | 9                | 1                  | 333.3      | Yes                    |
| 16                                    | 9                | 1                  | 333.3      | Yes                    |
| 17                                    | 9                | 1                  | 333.3      | Yes                    |
| 18                                    | 9                | 1                  | 333.3      | Yes                    |
| 19                                    | 9                | 1                  | 333.3      | Yes                    |
| 20                                    | 9                | 1                  | 333.3      | No                     |
| 21                                    | 9                | 1                  | 333.3      | Yes                    |
| 22                                    | 9                | 1                  | 333.3      | Yes                    |
| 23                                    | 9                | 1                  | 333.3      | Yes                    |
| 24                                    | 9                | 1                  | 333.3      | Yes                    |
| 25                                    | 9                | 1                  | 333.3      | Yes                    |
| 26                                    | 9                | 1                  | 333.3      | Yes                    |
| 27                                    | 9                | 1                  | 333.3      | Yes                    |
| 28                                    | 9                | 1                  | 333.3      | Yes                    |
| 29                                    | 9                | 1                  | 333.3      | Yes                    |
| 30                                    | 9                | 1                  | 333.3      | Yes                    |
|                                       |                  |                    |            | Detection Rate:93.33 % |

| Type 6 Radar Statistical Performances |                                 |                        |
|---------------------------------------|---------------------------------|------------------------|
| Trial #                               | Hopping Frequency Sequence Name | Detection              |
| 1                                     | HOP_FREQ_SEQ_01                 | Yes                    |
| 2                                     | HOP_FREQ_SEQ_02                 | No                     |
| 3                                     | HOP_FREQ_SEQ_03                 | Yes                    |
| 4                                     | HOP_FREQ_SEQ_04                 | Yes                    |
| 5                                     | HOP_FREQ_SEQ_05                 | Yes                    |
| 6                                     | HOP_FREQ_SEQ_06                 | Yes                    |
| 7                                     | HOP_FREQ_SEQ_07                 | Yes                    |
| 8                                     | HOP_FREQ_SEQ_08                 | Yes                    |
| 9                                     | HOP_FREQ_SEQ_09                 | Yes                    |
| 10                                    | HOP_FREQ_SEQ_10                 | Yes                    |
| 11                                    | HOP_FREQ_SEQ_11                 | Yes                    |
| 12                                    | HOP_FREQ_SEQ_12                 | Yes                    |
| 13                                    | HOP_FREQ_SEQ_13                 | Yes                    |
| 14                                    | HOP_FREQ_SEQ_14                 | Yes                    |
| 15                                    | HOP_FREQ_SEQ_15                 | Yes                    |
| 16                                    | HOP_FREQ_SEQ_16                 | Yes                    |
| 17                                    | HOP_FREQ_SEQ_17                 | Yes                    |
| 18                                    | HOP_FREQ_SEQ_18                 | Yes                    |
| 19                                    | HOP_FREQ_SEQ_19                 | Yes                    |
| 20                                    | HOP_FREQ_SEQ_20                 | No                     |
| 21                                    | HOP_FREQ_SEQ_21                 | Yes                    |
| 22                                    | HOP_FREQ_SEQ_22                 | Yes                    |
| 23                                    | HOP_FREQ_SEQ_23                 | Yes                    |
| 24                                    | HOP_FREQ_SEQ_24                 | Yes                    |
| 25                                    | HOP_FREQ_SEQ_25                 | Yes                    |
| 26                                    | HOP_FREQ_SEQ_26                 | Yes                    |
| 27                                    | HOP_FREQ_SEQ_27                 | Yes                    |
| 28                                    | HOP_FREQ_SEQ_28                 | Yes                    |
| 29                                    | HOP_FREQ_SEQ_29                 | Yes                    |
| 30                                    | HOP_FREQ_SEQ_30                 | Yes                    |
|                                       |                                 | Detection Rate: 93.33% |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.505G         | 2    | 5.674G         | 3    | 5.257G         | 4    | 5.690G         |
| 5                                                | 5.520G         | 6    | 5.262G         | 7    | 5.356G         | 8    | 5.439G         |
| 9                                                | 5.685G         | 10   | 5.332G         | 11   | 5.720G         | 12   | 5.579G         |
| 13                                               | 5.313G         | 14   | 5.383G         | 15   | 5.697G         | 16   | 5.318G         |
| 17                                               | 5.695G         | 18   | 5.461G         | 19   | 5.719G         | 20   | 5.606G         |
| 21                                               | 5.533G         | 22   | 5.287G         | 23   | 5.675G         | 24   | 5.540G         |
| 25                                               | 5.604G         | 26   | 5.591G         | 27   | 5.564G         | 28   | 5.612G         |
| 29                                               | 5.399G         | 30   | 5.593G         | 31   | 5.600G         | 32   | 5.478G         |
| 33                                               | 5.667G         | 34   | 5.434G         | 35   | 5.299G         | 36   | 5.387G         |
| 37                                               | 5.319G         | 38   | 5.376G         | 39   | 5.710G         | 40   | 5.581G         |
| 41                                               | 5.624G         | 42   | 5.302G         | 43   | 5.406G         | 44   | 5.272G         |
| 45                                               | 5.531G         | 46   | 5.298G         | 47   | 5.303G         | 48   | 5.265G         |
| 49                                               | 5.688G         | 50   | 5.372G         | 51   | 5.699G         | 52   | 5.550G         |
| 53                                               | 5.336G         | 54   | 5.308G         | 55   | 5.565G         | 56   | 5.269G         |
| 57                                               | 5.635G         | 58   | 5.650G         | 59   | 5.357G         | 60   | 5.462G         |
| 61                                               | 5.389G         | 62   | 5.626G         | 63   | 5.411G         | 64   | 5.386G         |
| 65                                               | 5.665G         | 66   | 5.481G         | 67   | 5.354G         | 68   | 5.267G         |
| 69                                               | 5.279G         | 70   | 5.558G         | 71   | 5.578G         | 72   | 5.647G         |
| 73                                               | 5.717G         | 74   | 5.382G         | 75   | 5.297G         | 76   | 5.601G         |
| 77                                               | 5.630G         | 78   | 5.603G         | 79   | 5.676G         | 80   | 5.657G         |
| 81                                               | 5.608G         | 82   | 5.329G         | 83   | 5.388G         | 84   | 5.602G         |
| 85                                               | 5.549G         | 86   | 5.451G         | 87   | 5.709G         | 88   | 5.716G         |
| 89                                               | 5.643G         | 90   | 5.285G         | 91   | 5.377G         | 92   | 5.443G         |
| 93                                               | 5.535G         | 94   | 5.584G         | 95   | 5.506G         | 96   | 5.723G         |
| 97                                               | 5.507G         | 98   | 5.712G         | 99   | 5.680G         | 100  | 5.724G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.350G         | 2    | 5.673G         | 3    | 5.251G         | 4    | 5.286G         |
| 5                                                | 5.699G         | 6    | 5.714G         | 7    | 5.500G         | 8    | 5.265G         |
| 9                                                | 5.299G         | 10   | 5.455G         | 11   | 5.359G         | 12   | 5.611G         |
| 13                                               | 5.487G         | 14   | 5.448G         | 15   | 5.663G         | 16   | 5.373G         |
| 17                                               | 5.269G         | 18   | 5.614G         | 19   | 5.439G         | 20   | 5.385G         |
| 21                                               | 5.680G         | 22   | 5.603G         | 23   | 5.363G         | 24   | 5.341G         |
| 25                                               | 5.303G         | 26   | 5.504G         | 27   | 5.576G         | 28   | 5.584G         |
| 29                                               | 5.632G         | 30   | 5.535G         | 31   | 5.402G         | 32   | 5.597G         |
| 33                                               | 5.308G         | 34   | 5.566G         | 35   | 5.689G         | 36   | 5.301G         |
| 37                                               | 5.494G         | 38   | 5.400G         | 39   | 5.513G         | 40   | 5.691G         |
| 41                                               | 5.553G         | 42   | 5.343G         | 43   | 5.532G         | 44   | 5.520G         |
| 45                                               | 5.664G         | 46   | 5.718G         | 47   | 5.612G         | 48   | 5.444G         |
| 49                                               | 5.452G         | 50   | 5.588G         | 51   | 5.307G         | 52   | 5.422G         |
| 53                                               | 5.662G         | 54   | 5.275G         | 55   | 5.583G         | 56   | 5.578G         |
| 57                                               | 5.595G         | 58   | 5.479G         | 59   | 5.410G         | 60   | 5.693G         |
| 61                                               | 5.465G         | 62   | 5.312G         | 63   | 5.268G         | 64   | 5.629G         |
| 65                                               | 5.671G         | 66   | 5.284G         | 67   | 5.406G         | 68   | 5.624G         |
| 69                                               | 5.300G         | 70   | 5.568G         | 71   | 5.318G         | 72   | 5.711G         |
| 73                                               | 5.330G         | 74   | 5.399G         | 75   | 5.694G         | 76   | 5.631G         |
| 77                                               | 5.416G         | 78   | 5.723G         | 79   | 5.637G         | 80   | 5.339G         |
| 81                                               | 5.252G         | 82   | 5.703G         | 83   | 5.654G         | 84   | 5.538G         |
| 85                                               | 5.478G         | 86   | 5.482G         | 87   | 5.474G         | 88   | 5.407G         |
| 89                                               | 5.279G         | 90   | 5.316G         | 91   | 5.592G         | 92   | 5.627G         |
| 93                                               | 5.594G         | 94   | 5.633G         | 95   | 5.380G         | 96   | 5.598G         |
| 97                                               | 5.533G         | 98   | 5.446G         | 99   | 5.526G         | 100  | 5.555G         |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_03

| SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
|------|----------------|------|----------------|------|----------------|------|----------------|
| 1    | 5.501G         | 2    | 5.592G         | 3    | 5.263G         | 4    | 5.484G         |
| 5    | 5.549G         | 6    | 5.346G         | 7    | 5.361G         | 8    | 5.576G         |
| 9    | 5.264G         | 10   | 5.700G         | 11   | 5.623G         | 12   | 5.324G         |
| 13   | 5.640G         | 14   | 5.669G         | 15   | 5.344G         | 16   | 5.579G         |
| 17   | 5.703G         | 18   | 5.585G         | 19   | 5.382G         | 20   | 5.601G         |
| 21   | 5.364G         | 22   | 5.296G         | 23   | 5.524G         | 24   | 5.532G         |
| 25   | 5.546G         | 26   | 5.555G         | 27   | 5.710G         | 28   | 5.644G         |
| 29   | 5.465G         | 30   | 5.456G         | 31   | 5.526G         | 32   | 5.627G         |
| 33   | 5.621G         | 34   | 5.717G         | 35   | 5.667G         | 36   | 5.652G         |
| 37   | 5.659G         | 38   | 5.498G         | 39   | 5.478G         | 40   | 5.386G         |
| 41   | 5.654G         | 42   | 5.508G         | 43   | 5.716G         | 44   | 5.599G         |
| 45   | 5.408G         | 46   | 5.427G         | 47   | 5.306G         | 48   | 5.402G         |
| 49   | 5.337G         | 50   | 5.464G         | 51   | 5.712G         | 52   | 5.358G         |
| 53   | 5.278G         | 54   | 5.680G         | 55   | 5.365G         | 56   | 5.442G         |
| 57   | 5.432G         | 58   | 5.538G         | 59   | 5.315G         | 60   | 5.587G         |
| 61   | 5.342G         | 62   | 5.615G         | 63   | 5.674G         | 64   | 5.563G         |
| 65   | 5.668G         | 66   | 5.460G         | 67   | 5.590G         | 68   | 5.542G         |
| 69   | 5.685G         | 70   | 5.469G         | 71   | 5.453G         | 72   | 5.429G         |
| 73   | 5.504G         | 74   | 5.660G         | 75   | 5.353G         | 76   | 5.616G         |
| 77   | 5.417G         | 78   | 5.672G         | 79   | 5.331G         | 80   | 5.393G         |
| 81   | 5.449G         | 82   | 5.347G         | 83   | 5.610G         | 84   | 5.706G         |
| 85   | 5.314G         | 86   | 5.321G         | 87   | 5.415G         | 88   | 5.724G         |
| 89   | 5.392G         | 90   | 5.437G         | 91   | 5.691G         | 92   | 5.407G         |
| 93   | 5.625G         | 94   | 5.463G         | 95   | 5.582G         | 96   | 5.646G         |
| 97   | 5.622G         | 98   | 5.688G         | 99   | 5.266G         | 100  | 5.428G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.487G         | 2    | 5.498G         | 3    | 5.707G         | 4    | 5.277G         |
| 5                                                | 5.312G         | 6    | 5.447G         | 7    | 5.259G         | 8    | 5.548G         |
| 9                                                | 5.492G         | 10   | 5.699G         | 11   | 5.308G         | 12   | 5.677G         |
| 13                                               | 5.328G         | 14   | 5.520G         | 15   | 5.318G         | 16   | 5.433G         |
| 17                                               | 5.440G         | 18   | 5.294G         | 19   | 5.486G         | 20   | 5.258G         |
| 21                                               | 5.370G         | 22   | 5.405G         | 23   | 5.266G         | 24   | 5.380G         |
| 25                                               | 5.292G         | 26   | 5.590G         | 27   | 5.459G         | 28   | 5.495G         |
| 29                                               | 5.541G         | 30   | 5.564G         | 31   | 5.472G         | 32   | 5.680G         |
| 33                                               | 5.558G         | 34   | 5.319G         | 35   | 5.645G         | 36   | 5.475G         |
| 37                                               | 5.591G         | 38   | 5.375G         | 39   | 5.678G         | 40   | 5.649G         |
| 41                                               | 5.437G         | 42   | 5.674G         | 43   | 5.706G         | 44   | 5.460G         |
| 45                                               | 5.316G         | 46   | 5.636G         | 47   | 5.301G         | 48   | 5.660G         |
| 49                                               | 5.416G         | 50   | 5.284G         | 51   | 5.321G         | 52   | 5.545G         |
| 53                                               | 5.260G         | 54   | 5.353G         | 55   | 5.489G         | 56   | 5.334G         |
| 57                                               | 5.256G         | 58   | 5.600G         | 59   | 5.307G         | 60   | 5.683G         |
| 61                                               | 5.288G         | 62   | 5.637G         | 63   | 5.631G         | 64   | 5.253G         |
| 65                                               | 5.604G         | 66   | 5.709G         | 67   | 5.568G         | 68   | 5.697G         |
| 69                                               | 5.404G         | 70   | 5.508G         | 71   | 5.681G         | 72   | 5.345G         |
| 73                                               | 5.300G         | 74   | 5.497G         | 75   | 5.633G         | 76   | 5.655G         |
| 77                                               | 5.415G         | 78   | 5.333G         | 79   | 5.251G         | 80   | 5.374G         |
| 81                                               | 5.451G         | 82   | 5.443G         | 83   | 5.625G         | 84   | 5.473G         |
| 85                                               | 5.584G         | 86   | 5.338G         | 87   | 5.647G         | 88   | 5.304G         |
| 89                                               | 5.525G         | 90   | 5.542G         | 91   | 5.361G         | 92   | 5.650G         |
| 93                                               | 5.482G         | 94   | 5.666G         | 95   | 5.608G         | 96   | 5.589G         |
| 97                                               | 5.427G         | 98   | 5.384G         | 99   | 5.457G         | 100  | 5.355G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.583G         | 2    | 5.381G         | 3    | 5.662G         | 4    | 5.649G         |
| 5                                                | 5.275G         | 6    | 5.678G         | 7    | 5.287G         | 8    | 5.452G         |
| 9                                                | 5.461G         | 10   | 5.670G         | 11   | 5.279G         | 12   | 5.702G         |
| 13                                               | 5.399G         | 14   | 5.420G         | 15   | 5.479G         | 16   | 5.278G         |
| 17                                               | 5.487G         | 18   | 5.484G         | 19   | 5.320G         | 20   | 5.433G         |
| 21                                               | 5.550G         | 22   | 5.333G         | 23   | 5.573G         | 24   | 5.456G         |
| 25                                               | 5.299G         | 26   | 5.261G         | 27   | 5.263G         | 28   | 5.614G         |
| 29                                               | 5.321G         | 30   | 5.300G         | 31   | 5.391G         | 32   | 5.551G         |
| 33                                               | 5.600G         | 34   | 5.509G         | 35   | 5.718G         | 36   | 5.522G         |
| 37                                               | 5.396G         | 38   | 5.713G         | 39   | 5.457G         | 40   | 5.717G         |
| 41                                               | 5.659G         | 42   | 5.607G         | 43   | 5.536G         | 44   | 5.370G         |
| 45                                               | 5.329G         | 46   | 5.708G         | 47   | 5.534G         | 48   | 5.429G         |
| 49                                               | 5.492G         | 50   | 5.379G         | 51   | 5.653G         | 52   | 5.545G         |
| 53                                               | 5.620G         | 54   | 5.681G         | 55   | 5.546G         | 56   | 5.715G         |
| 57                                               | 5.616G         | 58   | 5.591G         | 59   | 5.508G         | 60   | 5.375G         |
| 61                                               | 5.271G         | 62   | 5.596G         | 63   | 5.500G         | 64   | 5.455G         |
| 65                                               | 5.318G         | 66   | 5.585G         | 67   | 5.336G         | 68   | 5.657G         |
| 69                                               | 5.598G         | 70   | 5.251G         | 71   | 5.512G         | 72   | 5.668G         |
| 73                                               | 5.665G         | 74   | 5.667G         | 75   | 5.682G         | 76   | 5.407G         |
| 77                                               | 5.489G         | 78   | 5.309G         | 79   | 5.490G         | 80   | 5.418G         |
| 81                                               | 5.257G         | 82   | 5.697G         | 83   | 5.719G         | 84   | 5.341G         |
| 85                                               | 5.689G         | 86   | 5.647G         | 87   | 5.568G         | 88   | 5.699G         |
| 89                                               | 5.674G         | 90   | 5.572G         | 91   | 5.619G         | 92   | 5.408G         |
| 93                                               | 5.664G         | 94   | 5.706G         | 95   | 5.360G         | 96   | 5.439G         |
| 97                                               | 5.284G         | 98   | 5.312G         | 99   | 5.367G         | 100  | 5.478G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.493G         | 2    | 5.665G         | 3    | 5.291G         | 4    | 5.553G         |
| 5                                                | 5.367G         | 6    | 5.518G         | 7    | 5.444G         | 8    | 5.350G         |
| 9                                                | 5.338G         | 10   | 5.467G         | 11   | 5.262G         | 12   | 5.629G         |
| 13                                               | 5.439G         | 14   | 5.406G         | 15   | 5.267G         | 16   | 5.293G         |
| 17                                               | 5.384G         | 18   | 5.447G         | 19   | 5.647G         | 20   | 5.716G         |
| 21                                               | 5.583G         | 22   | 5.697G         | 23   | 5.260G         | 24   | 5.609G         |
| 25                                               | 5.465G         | 26   | 5.632G         | 27   | 5.268G         | 28   | 5.593G         |
| 29                                               | 5.611G         | 30   | 5.546G         | 31   | 5.466G         | 32   | 5.478G         |
| 33                                               | 5.653G         | 34   | 5.660G         | 35   | 5.357G         | 36   | 5.454G         |
| 37                                               | 5.605G         | 38   | 5.502G         | 39   | 5.604G         | 40   | 5.703G         |
| 41                                               | 5.637G         | 42   | 5.519G         | 43   | 5.258G         | 44   | 5.601G         |
| 45                                               | 5.516G         | 46   | 5.346G         | 47   | 5.645G         | 48   | 5.638G         |
| 49                                               | 5.418G         | 50   | 5.354G         | 51   | 5.644G         | 52   | 5.456G         |
| 53                                               | 5.682G         | 54   | 5.702G         | 55   | 5.607G         | 56   | 5.503G         |
| 57                                               | 5.396G         | 58   | 5.441G         | 59   | 5.273G         | 60   | 5.548G         |
| 61                                               | 5.314G         | 62   | 5.371G         | 63   | 5.306G         | 64   | 5.360G         |
| 65                                               | 5.691G         | 66   | 5.413G         | 67   | 5.551G         | 68   | 5.485G         |
| 69                                               | 5.495G         | 70   | 5.419G         | 71   | 5.531G         | 72   | 5.492G         |
| 73                                               | 5.499G         | 74   | 5.392G         | 75   | 5.347G         | 76   | 5.497G         |
| 77                                               | 5.692G         | 78   | 5.342G         | 79   | 5.723G         | 80   | 5.356G         |
| 81                                               | 5.484G         | 82   | 5.491G         | 83   | 5.705G         | 84   | 5.563G         |
| 85                                               | 5.394G         | 86   | 5.397G         | 87   | 5.534G         | 88   | 5.269G         |
| 89                                               | 5.471G         | 90   | 5.514G         | 91   | 5.339G         | 92   | 5.640G         |
| 93                                               | 5.332G         | 94   | 5.680G         | 95   | 5.482G         | 96   | 5.488G         |
| 97                                               | 5.429G         | 98   | 5.430G         | 99   | 5.464G         | 100  | 5.295G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.320G         | 2    | 5.390G         | 3    | 5.286G         | 4    | 5.418G         |
| 5                                                | 5.603G         | 6    | 5.488G         | 7    | 5.457G         | 8    | 5.410G         |
| 9                                                | 5.299G         | 10   | 5.545G         | 11   | 5.358G         | 12   | 5.355G         |
| 13                                               | 5.454G         | 14   | 5.277G         | 15   | 5.687G         | 16   | 5.582G         |
| 17                                               | 5.434G         | 18   | 5.475G         | 19   | 5.619G         | 20   | 5.627G         |
| 21                                               | 5.307G         | 22   | 5.317G         | 23   | 5.319G         | 24   | 5.421G         |
| 25                                               | 5.556G         | 26   | 5.541G         | 27   | 5.623G         | 28   | 5.546G         |
| 29                                               | 5.336G         | 30   | 5.578G         | 31   | 5.304G         | 32   | 5.325G         |
| 33                                               | 5.574G         | 34   | 5.382G         | 35   | 5.570G         | 36   | 5.544G         |
| 37                                               | 5.700G         | 38   | 5.571G         | 39   | 5.491G         | 40   | 5.465G         |
| 41                                               | 5.272G         | 42   | 5.536G         | 43   | 5.279G         | 44   | 5.402G         |
| 45                                               | 5.628G         | 46   | 5.595G         | 47   | 5.479G         | 48   | 5.401G         |
| 49                                               | 5.451G         | 50   | 5.356G         | 51   | 5.309G         | 52   | 5.561G         |
| 53                                               | 5.539G         | 54   | 5.685G         | 55   | 5.648G         | 56   | 5.693G         |
| 57                                               | 5.414G         | 58   | 5.679G         | 59   | 5.362G         | 60   | 5.695G         |
| 61                                               | 5.256G         | 62   | 5.283G         | 63   | 5.376G         | 64   | 5.706G         |
| 65                                               | 5.504G         | 66   | 5.441G         | 67   | 5.284G         | 68   | 5.449G         |
| 69                                               | 5.476G         | 70   | 5.462G         | 71   | 5.381G         | 72   | 5.343G         |
| 73                                               | 5.638G         | 74   | 5.689G         | 75   | 5.357G         | 76   | 5.389G         |
| 77                                               | 5.255G         | 78   | 5.303G         | 79   | 5.592G         | 80   | 5.675G         |
| 81                                               | 5.450G         | 82   | 5.611G         | 83   | 5.566G         | 84   | 5.265G         |
| 85                                               | 5.510G         | 86   | 5.724G         | 87   | 5.680G         | 88   | 5.392G         |
| 89                                               | 5.296G         | 90   | 5.605G         | 91   | 5.490G         | 92   | 5.631G         |
| 93                                               | 5.560G         | 94   | 5.612G         | 95   | 5.555G         | 96   | 5.487G         |
| 97                                               | 5.530G         | 98   | 5.327G         | 99   | 5.573G         | 100  | 5.704G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.537G         | 2    | 5.669G         | 3    | 5.683G         | 4    | 5.517G         |
| 5                                                | 5.583G         | 6    | 5.304G         | 7    | 5.607G         | 8    | 5.656G         |
| 9                                                | 5.424G         | 10   | 5.441G         | 11   | 5.256G         | 12   | 5.552G         |
| 13                                               | 5.599G         | 14   | 5.277G         | 15   | 5.349G         | 16   | 5.707G         |
| 17                                               | 5.521G         | 18   | 5.478G         | 19   | 5.612G         | 20   | 5.302G         |
| 21                                               | 5.677G         | 22   | 5.581G         | 23   | 5.300G         | 24   | 5.412G         |
| 25                                               | 5.381G         | 26   | 5.259G         | 27   | 5.637G         | 28   | 5.251G         |
| 29                                               | 5.296G         | 30   | 5.565G         | 31   | 5.306G         | 32   | 5.285G         |
| 33                                               | 5.648G         | 34   | 5.563G         | 35   | 5.452G         | 36   | 5.555G         |
| 37                                               | 5.650G         | 38   | 5.495G         | 39   | 5.503G         | 40   | 5.594G         |
| 41                                               | 5.469G         | 42   | 5.582G         | 43   | 5.307G         | 44   | 5.255G         |
| 45                                               | 5.253G         | 46   | 5.323G         | 47   | 5.676G         | 48   | 5.709G         |
| 49                                               | 5.720G         | 50   | 5.712G         | 51   | 5.679G         | 52   | 5.482G         |
| 53                                               | 5.438G         | 54   | 5.415G         | 55   | 5.268G         | 56   | 5.636G         |
| 57                                               | 5.593G         | 58   | 5.427G         | 59   | 5.383G         | 60   | 5.661G         |
| 61                                               | 5.560G         | 62   | 5.697G         | 63   | 5.675G         | 64   | 5.468G         |
| 65                                               | 5.649G         | 66   | 5.298G         | 67   | 5.651G         | 68   | 5.400G         |
| 69                                               | 5.647G         | 70   | 5.467G         | 71   | 5.329G         | 72   | 5.652G         |
| 73                                               | 5.589G         | 74   | 5.347G         | 75   | 5.628G         | 76   | 5.500G         |
| 77                                               | 5.689G         | 78   | 5.368G         | 79   | 5.611G         | 80   | 5.387G         |
| 81                                               | 5.608G         | 82   | 5.473G         | 83   | 5.575G         | 84   | 5.278G         |
| 85                                               | 5.704G         | 86   | 5.662G         | 87   | 5.342G         | 88   | 5.592G         |
| 89                                               | 5.686G         | 90   | 5.702G         | 91   | 5.624G         | 92   | 5.434G         |
| 93                                               | 5.416G         | 94   | 5.553G         | 95   | 5.576G         | 96   | 5.477G         |
| 97                                               | 5.464G         | 98   | 5.396G         | 99   | 5.386G         | 100  | 5.432G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.349G         | 2    | 5.590G         | 3    | 5.466G         | 4    | 5.546G         |
| 5                                                | 5.530G         | 6    | 5.355G         | 7    | 5.575G         | 8    | 5.709G         |
| 9                                                | 5.350G         | 10   | 5.724G         | 11   | 5.456G         | 12   | 5.682G         |
| 13                                               | 5.625G         | 14   | 5.554G         | 15   | 5.713G         | 16   | 5.477G         |
| 17                                               | 5.432G         | 18   | 5.412G         | 19   | 5.454G         | 20   | 5.402G         |
| 21                                               | 5.357G         | 22   | 5.389G         | 23   | 5.626G         | 24   | 5.717G         |
| 25                                               | 5.282G         | 26   | 5.524G         | 27   | 5.697G         | 28   | 5.264G         |
| 29                                               | 5.467G         | 30   | 5.720G         | 31   | 5.459G         | 32   | 5.313G         |
| 33                                               | 5.640G         | 34   | 5.329G         | 35   | 5.605G         | 36   | 5.427G         |
| 37                                               | 5.295G         | 38   | 5.567G         | 39   | 5.302G         | 40   | 5.635G         |
| 41                                               | 5.278G         | 42   | 5.578G         | 43   | 5.461G         | 44   | 5.700G         |
| 45                                               | 5.455G         | 46   | 5.327G         | 47   | 5.592G         | 48   | 5.275G         |
| 49                                               | 5.632G         | 50   | 5.453G         | 51   | 5.422G         | 52   | 5.300G         |
| 53                                               | 5.721G         | 54   | 5.650G         | 55   | 5.704G         | 56   | 5.380G         |
| 57                                               | 5.403G         | 58   | 5.373G         | 59   | 5.367G         | 60   | 5.372G         |
| 61                                               | 5.492G         | 62   | 5.690G         | 63   | 5.618G         | 64   | 5.540G         |
| 65                                               | 5.508G         | 66   | 5.485G         | 67   | 5.496G         | 68   | 5.548G         |
| 69                                               | 5.512G         | 70   | 5.687G         | 71   | 5.296G         | 72   | 5.676G         |
| 73                                               | 5.499G         | 74   | 5.440G         | 75   | 5.579G         | 76   | 5.604G         |
| 77                                               | 5.608G         | 78   | 5.723G         | 79   | 5.576G         | 80   | 5.703G         |
| 81                                               | 5.433G         | 82   | 5.612G         | 83   | 5.482G         | 84   | 5.583G         |
| 85                                               | 5.633G         | 86   | 5.582G         | 87   | 5.437G         | 88   | 5.521G         |
| 89                                               | 5.601G         | 90   | 5.391G         | 91   | 5.647G         | 92   | 5.393G         |
| 93                                               | 5.419G         | 94   | 5.598G         | 95   | 5.434G         | 96   | 5.597G         |
| 97                                               | 5.446G         | 98   | 5.478G         | 99   | 5.551G         | 100  | 5.621G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.550G         | 2    | 5.265G         | 3    | 5.435G         | 4    | 5.470G         |
| 5                                                | 5.657G         | 6    | 5.490G         | 7    | 5.566G         | 8    | 5.303G         |
| 9                                                | 5.400G         | 10   | 5.263G         | 11   | 5.271G         | 12   | 5.372G         |
| 13                                               | 5.448G         | 14   | 5.659G         | 15   | 5.549G         | 16   | 5.571G         |
| 17                                               | 5.381G         | 18   | 5.398G         | 19   | 5.278G         | 20   | 5.511G         |
| 21                                               | 5.583G         | 22   | 5.333G         | 23   | 5.482G         | 24   | 5.494G         |
| 25                                               | 5.353G         | 26   | 5.668G         | 27   | 5.460G         | 28   | 5.563G         |
| 29                                               | 5.706G         | 30   | 5.421G         | 31   | 5.283G         | 32   | 5.703G         |
| 33                                               | 5.554G         | 34   | 5.503G         | 35   | 5.513G         | 36   | 5.461G         |
| 37                                               | 5.355G         | 38   | 5.341G         | 39   | 5.532G         | 40   | 5.528G         |
| 41                                               | 5.380G         | 42   | 5.698G         | 43   | 5.392G         | 44   | 5.582G         |
| 45                                               | 5.285G         | 46   | 5.425G         | 47   | 5.454G         | 48   | 5.617G         |
| 49                                               | 5.323G         | 50   | 5.281G         | 51   | 5.544G         | 52   | 5.466G         |
| 53                                               | 5.447G         | 54   | 5.420G         | 55   | 5.600G         | 56   | 5.676G         |
| 57                                               | 5.422G         | 58   | 5.638G         | 59   | 5.324G         | 60   | 5.295G         |
| 61                                               | 5.359G         | 62   | 5.483G         | 63   | 5.628G         | 64   | 5.350G         |
| 65                                               | 5.690G         | 66   | 5.389G         | 67   | 5.495G         | 68   | 5.252G         |
| 69                                               | 5.603G         | 70   | 5.688G         | 71   | 5.266G         | 72   | 5.696G         |
| 73                                               | 5.713G         | 74   | 5.649G         | 75   | 5.465G         | 76   | 5.413G         |
| 77                                               | 5.551G         | 78   | 5.615G         | 79   | 5.620G         | 80   | 5.358G         |
| 81                                               | 5.567G         | 82   | 5.442G         | 83   | 5.524G         | 84   | 5.506G         |
| 85                                               | 5.296G         | 86   | 5.597G         | 87   | 5.360G         | 88   | 5.484G         |
| 89                                               | 5.430G         | 90   | 5.407G         | 91   | 5.612G         | 92   | 5.619G         |
| 93                                               | 5.488G         | 94   | 5.631G         | 95   | 5.375G         | 96   | 5.432G         |
| 97                                               | 5.641G         | 98   | 5.342G         | 99   | 5.443G         | 100  | 5.590G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.408G         | 2    | 5.306G         | 3    | 5.263G         | 4    | 5.393G         |
| 5                                                | 5.321G         | 6    | 5.559G         | 7    | 5.525G         | 8    | 5.427G         |
| 9                                                | 5.723G         | 10   | 5.451G         | 11   | 5.696G         | 12   | 5.626G         |
| 13                                               | 5.709G         | 14   | 5.553G         | 15   | 5.257G         | 16   | 5.474G         |
| 17                                               | 5.261G         | 18   | 5.669G         | 19   | 5.462G         | 20   | 5.348G         |
| 21                                               | 5.487G         | 22   | 5.589G         | 23   | 5.625G         | 24   | 5.294G         |
| 25                                               | 5.262G         | 26   | 5.711G         | 27   | 5.362G         | 28   | 5.623G         |
| 29                                               | 5.568G         | 30   | 5.564G         | 31   | 5.666G         | 32   | 5.413G         |
| 33                                               | 5.538G         | 34   | 5.484G         | 35   | 5.641G         | 36   | 5.520G         |
| 37                                               | 5.721G         | 38   | 5.483G         | 39   | 5.659G         | 40   | 5.339G         |
| 41                                               | 5.300G         | 42   | 5.478G         | 43   | 5.563G         | 44   | 5.269G         |
| 45                                               | 5.684G         | 46   | 5.663G         | 47   | 5.252G         | 48   | 5.254G         |
| 49                                               | 5.480G         | 50   | 5.655G         | 51   | 5.521G         | 52   | 5.377G         |
| 53                                               | 5.603G         | 54   | 5.627G         | 55   | 5.314G         | 56   | 5.364G         |
| 57                                               | 5.629G         | 58   | 5.365G         | 59   | 5.351G         | 60   | 5.528G         |
| 61                                               | 5.657G         | 62   | 5.447G         | 63   | 5.270G         | 64   | 5.477G         |
| 65                                               | 5.515G         | 66   | 5.295G         | 67   | 5.268G         | 68   | 5.383G         |
| 69                                               | 5.251G         | 70   | 5.458G         | 71   | 5.320G         | 72   | 5.374G         |
| 73                                               | 5.492G         | 74   | 5.358G         | 75   | 5.357G         | 76   | 5.410G         |
| 77                                               | 5.676G         | 78   | 5.588G         | 79   | 5.414G         | 80   | 5.399G         |
| 81                                               | 5.498G         | 82   | 5.491G         | 83   | 5.604G         | 84   | 5.658G         |
| 85                                               | 5.330G         | 86   | 5.613G         | 87   | 5.317G         | 88   | 5.539G         |
| 89                                               | 5.652G         | 90   | 5.403G         | 91   | 5.675G         | 92   | 5.642G         |
| 93                                               | 5.551G         | 94   | 5.343G         | 95   | 5.460G         | 96   | 5.543G         |
| 97                                               | 5.369G         | 98   | 5.276G         | 99   | 5.532G         | 100  | 5.708G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.603G         | 2    | 5.666G         | 3    | 5.522G         | 4    | 5.502G         |
| 5                                                | 5.678G         | 6    | 5.480G         | 7    | 5.479G         | 8    | 5.281G         |
| 9                                                | 5.364G         | 10   | 5.297G         | 11   | 5.713G         | 12   | 5.316G         |
| 13                                               | 5.476G         | 14   | 5.662G         | 15   | 5.437G         | 16   | 5.710G         |
| 17                                               | 5.561G         | 18   | 5.306G         | 19   | 5.416G         | 20   | 5.463G         |
| 21                                               | 5.268G         | 22   | 5.498G         | 23   | 5.674G         | 24   | 5.313G         |
| 25                                               | 5.549G         | 26   | 5.294G         | 27   | 5.558G         | 28   | 5.637G         |
| 29                                               | 5.583G         | 30   | 5.462G         | 31   | 5.291G         | 32   | 5.492G         |
| 33                                               | 5.452G         | 34   | 5.260G         | 35   | 5.497G         | 36   | 5.535G         |
| 37                                               | 5.586G         | 38   | 5.577G         | 39   | 5.658G         | 40   | 5.470G         |
| 41                                               | 5.424G         | 42   | 5.264G         | 43   | 5.680G         | 44   | 5.347G         |
| 45                                               | 5.619G         | 46   | 5.500G         | 47   | 5.266G         | 48   | 5.411G         |
| 49                                               | 5.272G         | 50   | 5.353G         | 51   | 5.661G         | 52   | 5.317G         |
| 53                                               | 5.696G         | 54   | 5.576G         | 55   | 5.391G         | 56   | 5.376G         |
| 57                                               | 5.442G         | 58   | 5.432G         | 59   | 5.305G         | 60   | 5.461G         |
| 61                                               | 5.398G         | 62   | 5.394G         | 63   | 5.368G         | 64   | 5.283G         |
| 65                                               | 5.624G         | 66   | 5.414G         | 67   | 5.483G         | 68   | 5.458G         |
| 69                                               | 5.329G         | 70   | 5.634G         | 71   | 5.578G         | 72   | 5.718G         |
| 73                                               | 5.387G         | 74   | 5.596G         | 75   | 5.650G         | 76   | 5.517G         |
| 77                                               | 5.690G         | 78   | 5.453G         | 79   | 5.613G         | 80   | 5.653G         |
| 81                                               | 5.628G         | 82   | 5.451G         | 83   | 5.478G         | 84   | 5.356G         |
| 85                                               | 5.441G         | 86   | 5.381G         | 87   | 5.552G         | 88   | 5.395G         |
| 89                                               | 5.341G         | 90   | 5.496G         | 91   | 5.455G         | 92   | 5.469G         |
| 93                                               | 5.573G         | 94   | 5.365G         | 95   | 5.642G         | 96   | 5.505G         |
| 97                                               | 5.309G         | 98   | 5.397G         | 99   | 5.568G         | 100  | 5.639G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.375G         | 2    | 5.264G         | 3    | 5.273G         | 4    | 5.293G         |
| 5                                                | 5.612G         | 6    | 5.436G         | 7    | 5.695G         | 8    | 5.549G         |
| 9                                                | 5.422G         | 10   | 5.631G         | 11   | 5.262G         | 12   | 5.490G         |
| 13                                               | 5.589G         | 14   | 5.506G         | 15   | 5.326G         | 16   | 5.282G         |
| 17                                               | 5.657G         | 18   | 5.497G         | 19   | 5.509G         | 20   | 5.660G         |
| 21                                               | 5.474G         | 22   | 5.629G         | 23   | 5.272G         | 24   | 5.314G         |
| 25                                               | 5.433G         | 26   | 5.560G         | 27   | 5.399G         | 28   | 5.357G         |
| 29                                               | 5.668G         | 30   | 5.484G         | 31   | 5.408G         | 32   | 5.325G         |
| 33                                               | 5.434G         | 34   | 5.356G         | 35   | 5.563G         | 36   | 5.285G         |
| 37                                               | 5.401G         | 38   | 5.426G         | 39   | 5.393G         | 40   | 5.621G         |
| 41                                               | 5.277G         | 42   | 5.567G         | 43   | 5.593G         | 44   | 5.559G         |
| 45                                               | 5.496G         | 46   | 5.675G         | 47   | 5.419G         | 48   | 5.319G         |
| 49                                               | 5.690G         | 50   | 5.694G         | 51   | 5.373G         | 52   | 5.661G         |
| 53                                               | 5.367G         | 54   | 5.522G         | 55   | 5.674G         | 56   | 5.265G         |
| 57                                               | 5.300G         | 58   | 5.468G         | 59   | 5.596G         | 60   | 5.324G         |
| 61                                               | 5.528G         | 62   | 5.526G         | 63   | 5.537G         | 64   | 5.669G         |
| 65                                               | 5.599G         | 66   | 5.358G         | 67   | 5.303G         | 68   | 5.648G         |
| 69                                               | 5.378G         | 70   | 5.478G         | 71   | 5.469G         | 72   | 5.407G         |
| 73                                               | 5.513G         | 74   | 5.263G         | 75   | 5.586G         | 76   | 5.360G         |
| 77                                               | 5.571G         | 78   | 5.604G         | 79   | 5.446G         | 80   | 5.479G         |
| 81                                               | 5.482G         | 82   | 5.366G         | 83   | 5.394G         | 84   | 5.693G         |
| 85                                               | 5.288G         | 86   | 5.512G         | 87   | 5.551G         | 88   | 5.585G         |
| 89                                               | 5.723G         | 90   | 5.705G         | 91   | 5.412G         | 92   | 5.711G         |
| 93                                               | 5.345G         | 94   | 5.486G         | 95   | 5.678G         | 96   | 5.361G         |
| 97                                               | 5.390G         | 98   | 5.352G         | 99   | 5.649G         | 100  | 5.647G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.507G         | 2    | 5.709G         | 3    | 5.352G         | 4    | 5.516G         |
| 5                                                | 5.503G         | 6    | 5.594G         | 7    | 5.415G         | 8    | 5.255G         |
| 9                                                | 5.475G         | 10   | 5.275G         | 11   | 5.657G         | 12   | 5.344G         |
| 13                                               | 5.534G         | 14   | 5.406G         | 15   | 5.612G         | 16   | 5.671G         |
| 17                                               | 5.389G         | 18   | 5.314G         | 19   | 5.323G         | 20   | 5.544G         |
| 21                                               | 5.277G         | 22   | 5.302G         | 23   | 5.545G         | 24   | 5.577G         |
| 25                                               | 5.388G         | 26   | 5.258G         | 27   | 5.386G         | 28   | 5.434G         |
| 29                                               | 5.312G         | 30   | 5.595G         | 31   | 5.689G         | 32   | 5.420G         |
| 33                                               | 5.287G         | 34   | 5.408G         | 35   | 5.464G         | 36   | 5.511G         |
| 37                                               | 5.443G         | 38   | 5.427G         | 39   | 5.416G         | 40   | 5.365G         |
| 41                                               | 5.500G         | 42   | 5.587G         | 43   | 5.457G         | 44   | 5.395G         |
| 45                                               | 5.621G         | 46   | 5.588G         | 47   | 5.442G         | 48   | 5.411G         |
| 49                                               | 5.390G         | 50   | 5.539G         | 51   | 5.425G         | 52   | 5.521G         |
| 53                                               | 5.722G         | 54   | 5.696G         | 55   | 5.413G         | 56   | 5.529G         |
| 57                                               | 5.355G         | 58   | 5.656G         | 59   | 5.704G         | 60   | 5.316G         |
| 61                                               | 5.480G         | 62   | 5.581G         | 63   | 5.632G         | 64   | 5.676G         |
| 65                                               | 5.482G         | 66   | 5.432G         | 67   | 5.259G         | 68   | 5.438G         |
| 69                                               | 5.694G         | 70   | 5.580G         | 71   | 5.536G         | 72   | 5.663G         |
| 73                                               | 5.495G         | 74   | 5.674G         | 75   | 5.347G         | 76   | 5.400G         |
| 77                                               | 5.465G         | 78   | 5.330G         | 79   | 5.589G         | 80   | 5.519G         |
| 81                                               | 5.699G         | 82   | 5.645G         | 83   | 5.380G         | 84   | 5.672G         |
| 85                                               | 5.635G         | 86   | 5.548G         | 87   | 5.563G         | 88   | 5.710G         |
| 89                                               | 5.348G         | 90   | 5.629G         | 91   | 5.641G         | 92   | 5.509G         |
| 93                                               | 5.317G         | 94   | 5.384G         | 95   | 5.562G         | 96   | 5.666G         |
| 97                                               | 5.332G         | 98   | 5.456G         | 99   | 5.262G         | 100  | 5.701G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.332G         | 2    | 5.253G         | 3    | 5.256G         | 4    | 5.368G         |
| 5                                                | 5.366G         | 6    | 5.427G         | 7    | 5.495G         | 8    | 5.322G         |
| 9                                                | 5.496G         | 10   | 5.474G         | 11   | 5.448G         | 12   | 5.678G         |
| 13                                               | 5.410G         | 14   | 5.687G         | 15   | 5.686G         | 16   | 5.533G         |
| 17                                               | 5.269G         | 18   | 5.385G         | 19   | 5.429G         | 20   | 5.261G         |
| 21                                               | 5.585G         | 22   | 5.509G         | 23   | 5.255G         | 24   | 5.478G         |
| 25                                               | 5.360G         | 26   | 5.339G         | 27   | 5.335G         | 28   | 5.512G         |
| 29                                               | 5.604G         | 30   | 5.462G         | 31   | 5.479G         | 32   | 5.562G         |
| 33                                               | 5.693G         | 34   | 5.337G         | 35   | 5.671G         | 36   | 5.260G         |
| 37                                               | 5.382G         | 38   | 5.556G         | 39   | 5.523G         | 40   | 5.292G         |
| 41                                               | 5.273G         | 42   | 5.313G         | 43   | 5.586G         | 44   | 5.668G         |
| 45                                               | 5.317G         | 46   | 5.324G         | 47   | 5.505G         | 48   | 5.486G         |
| 49                                               | 5.358G         | 50   | 5.493G         | 51   | 5.456G         | 52   | 5.610G         |
| 53                                               | 5.528G         | 54   | 5.590G         | 55   | 5.506G         | 56   | 5.517G         |
| 57                                               | 5.530G         | 58   | 5.640G         | 59   | 5.318G         | 60   | 5.274G         |
| 61                                               | 5.381G         | 62   | 5.579G         | 63   | 5.667G         | 64   | 5.661G         |
| 65                                               | 5.415G         | 66   | 5.442G         | 67   | 5.621G         | 68   | 5.552G         |
| 69                                               | 5.455G         | 70   | 5.300G         | 71   | 5.441G         | 72   | 5.491G         |
| 73                                               | 5.722G         | 74   | 5.305G         | 75   | 5.331G         | 76   | 5.365G         |
| 77                                               | 5.390G         | 78   | 5.637G         | 79   | 5.266G         | 80   | 5.591G         |
| 81                                               | 5.563G         | 82   | 5.607G         | 83   | 5.461G         | 84   | 5.262G         |
| 85                                               | 5.605G         | 86   | 5.617G         | 87   | 5.403G         | 88   | 5.600G         |
| 89                                               | 5.492G         | 90   | 5.294G         | 91   | 5.706G         | 92   | 5.507G         |
| 93                                               | 5.284G         | 94   | 5.298G         | 95   | 5.564G         | 96   | 5.650G         |
| 97                                               | 5.537G         | 98   | 5.611G         | 99   | 5.645G         | 100  | 5.413G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.469G         | 2    | 5.426G         | 3    | 5.347G         | 4    | 5.449G         |
| 5                                                | 5.330G         | 6    | 5.537G         | 7    | 5.391G         | 8    | 5.687G         |
| 9                                                | 5.666G         | 10   | 5.332G         | 11   | 5.651G         | 12   | 5.341G         |
| 13                                               | 5.352G         | 14   | 5.457G         | 15   | 5.686G         | 16   | 5.531G         |
| 17                                               | 5.693G         | 18   | 5.631G         | 19   | 5.269G         | 20   | 5.525G         |
| 21                                               | 5.702G         | 22   | 5.403G         | 23   | 5.536G         | 24   | 5.363G         |
| 25                                               | 5.516G         | 26   | 5.538G         | 27   | 5.490G         | 28   | 5.511G         |
| 29                                               | 5.724G         | 30   | 5.704G         | 31   | 5.442G         | 32   | 5.441G         |
| 33                                               | 5.411G         | 34   | 5.717G         | 35   | 5.571G         | 36   | 5.647G         |
| 37                                               | 5.649G         | 38   | 5.606G         | 39   | 5.319G         | 40   | 5.448G         |
| 41                                               | 5.504G         | 42   | 5.472G         | 43   | 5.609G         | 44   | 5.438G         |
| 45                                               | 5.545G         | 46   | 5.480G         | 47   | 5.256G         | 48   | 5.679G         |
| 49                                               | 5.382G         | 50   | 5.284G         | 51   | 5.543G         | 52   | 5.424G         |
| 53                                               | 5.317G         | 54   | 5.520G         | 55   | 5.604G         | 56   | 5.397G         |
| 57                                               | 5.505G         | 58   | 5.463G         | 59   | 5.685G         | 60   | 5.602G         |
| 61                                               | 5.270G         | 62   | 5.618G         | 63   | 5.662G         | 64   | 5.273G         |
| 65                                               | 5.707G         | 66   | 5.664G         | 67   | 5.552G         | 68   | 5.294G         |
| 69                                               | 5.320G         | 70   | 5.464G         | 71   | 5.641G         | 72   | 5.476G         |
| 73                                               | 5.661G         | 74   | 5.566G         | 75   | 5.299G         | 76   | 5.584G         |
| 77                                               | 5.619G         | 78   | 5.420G         | 79   | 5.488G         | 80   | 5.593G         |
| 81                                               | 5.654G         | 82   | 5.714G         | 83   | 5.287G         | 84   | 5.657G         |
| 85                                               | 5.337G         | 86   | 5.644G         | 87   | 5.648G         | 88   | 5.659G         |
| 89                                               | 5.251G         | 90   | 5.265G         | 91   | 5.279G         | 92   | 5.359G         |
| 93                                               | 5.460G         | 94   | 5.413G         | 95   | 5.308G         | 96   | 5.544G         |
| 97                                               | 5.640G         | 98   | 5.394G         | 99   | 5.348G         | 100  | 5.613G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.421G         | 2    | 5.498G         | 3    | 5.713G         | 4    | 5.660G         |
| 5                                                | 5.583G         | 6    | 5.662G         | 7    | 5.657G         | 8    | 5.641G         |
| 9                                                | 5.268G         | 10   | 5.654G         | 11   | 5.517G         | 12   | 5.259G         |
| 13                                               | 5.485G         | 14   | 5.419G         | 15   | 5.276G         | 16   | 5.649G         |
| 17                                               | 5.467G         | 18   | 5.646G         | 19   | 5.359G         | 20   | 5.642G         |
| 21                                               | 5.659G         | 22   | 5.620G         | 23   | 5.345G         | 24   | 5.257G         |
| 25                                               | 5.288G         | 26   | 5.478G         | 27   | 5.637G         | 28   | 5.252G         |
| 29                                               | 5.489G         | 30   | 5.274G         | 31   | 5.703G         | 32   | 5.534G         |
| 33                                               | 5.376G         | 34   | 5.719G         | 35   | 5.682G         | 36   | 5.413G         |
| 37                                               | 5.614G         | 38   | 5.448G         | 39   | 5.256G         | 40   | 5.365G         |
| 41                                               | 5.587G         | 42   | 5.350G         | 43   | 5.605G         | 44   | 5.447G         |
| 45                                               | 5.328G         | 46   | 5.710G         | 47   | 5.330G         | 48   | 5.679G         |
| 49                                               | 5.557G         | 50   | 5.674G         | 51   | 5.437G         | 52   | 5.668G         |
| 53                                               | 5.714G         | 54   | 5.353G         | 55   | 5.488G         | 56   | 5.427G         |
| 57                                               | 5.577G         | 58   | 5.482G         | 59   | 5.700G         | 60   | 5.626G         |
| 61                                               | 5.307G         | 62   | 5.464G         | 63   | 5.423G         | 64   | 5.336G         |
| 65                                               | 5.617G         | 66   | 5.608G         | 67   | 5.562G         | 68   | 5.443G         |
| 69                                               | 5.446G         | 70   | 5.561G         | 71   | 5.493G         | 72   | 5.560G         |
| 73                                               | 5.304G         | 74   | 5.354G         | 75   | 5.495G         | 76   | 5.680G         |
| 77                                               | 5.397G         | 78   | 5.344G         | 79   | 5.426G         | 80   | 5.425G         |
| 81                                               | 5.599G         | 82   | 5.567G         | 83   | 5.510G         | 84   | 5.555G         |
| 85                                               | 5.625G         | 86   | 5.324G         | 87   | 5.707G         | 88   | 5.262G         |
| 89                                               | 5.501G         | 90   | 5.651G         | 91   | 5.292G         | 92   | 5.424G         |
| 93                                               | 5.573G         | 94   | 5.411G         | 95   | 5.597G         | 96   | 5.691G         |
| 97                                               | 5.435G         | 98   | 5.459G         | 99   | 5.282G         | 100  | 5.600G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.471G         | 2    | 5.678G         | 3    | 5.410G         | 4    | 5.537G         |
| 5                                                | 5.446G         | 6    | 5.666G         | 7    | 5.563G         | 8    | 5.355G         |
| 9                                                | 5.484G         | 10   | 5.489G         | 11   | 5.556G         | 12   | 5.596G         |
| 13                                               | 5.454G         | 14   | 5.682G         | 15   | 5.554G         | 16   | 5.595G         |
| 17                                               | 5.270G         | 18   | 5.610G         | 19   | 5.586G         | 20   | 5.549G         |
| 21                                               | 5.264G         | 22   | 5.415G         | 23   | 5.266G         | 24   | 5.339G         |
| 25                                               | 5.662G         | 26   | 5.697G         | 27   | 5.379G         | 28   | 5.392G         |
| 29                                               | 5.301G         | 30   | 5.334G         | 31   | 5.573G         | 32   | 5.643G         |
| 33                                               | 5.253G         | 34   | 5.439G         | 35   | 5.300G         | 36   | 5.519G         |
| 37                                               | 5.267G         | 38   | 5.689G         | 39   | 5.539G         | 40   | 5.455G         |
| 41                                               | 5.468G         | 42   | 5.613G         | 43   | 5.496G         | 44   | 5.665G         |
| 45                                               | 5.381G         | 46   | 5.250G         | 47   | 5.298G         | 48   | 5.272G         |
| 49                                               | 5.592G         | 50   | 5.360G         | 51   | 5.532G         | 52   | 5.324G         |
| 53                                               | 5.710G         | 54   | 5.409G         | 55   | 5.517G         | 56   | 5.467G         |
| 57                                               | 5.647G         | 58   | 5.668G         | 59   | 5.309G         | 60   | 5.548G         |
| 61                                               | 5.317G         | 62   | 5.428G         | 63   | 5.597G         | 64   | 5.314G         |
| 65                                               | 5.481G         | 66   | 5.308G         | 67   | 5.584G         | 68   | 5.622G         |
| 69                                               | 5.358G         | 70   | 5.466G         | 71   | 5.616G         | 72   | 5.295G         |
| 73                                               | 5.364G         | 74   | 5.261G         | 75   | 5.655G         | 76   | 5.660G         |
| 77                                               | 5.457G         | 78   | 5.672G         | 79   | 5.565G         | 80   | 5.652G         |
| 81                                               | 5.260G         | 82   | 5.683G         | 83   | 5.343G         | 84   | 5.401G         |
| 85                                               | 5.325G         | 86   | 5.686G         | 87   | 5.353G         | 88   | 5.315G         |
| 89                                               | 5.373G         | 90   | 5.402G         | 91   | 5.352G         | 92   | 5.599G         |
| 93                                               | 5.626G         | 94   | 5.702G         | 95   | 5.258G         | 96   | 5.460G         |
| 97                                               | 5.724G         | 98   | 5.670G         | 99   | 5.444G         | 100  | 5.388G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.550G         | 2    | 5.672G         | 3    | 5.305G         | 4    | 5.508G         |
| 5                                                | 5.713G         | 6    | 5.500G         | 7    | 5.312G         | 8    | 5.704G         |
| 9                                                | 5.291G         | 10   | 5.288G         | 11   | 5.664G         | 12   | 5.468G         |
| 13                                               | 5.405G         | 14   | 5.558G         | 15   | 5.313G         | 16   | 5.308G         |
| 17                                               | 5.390G         | 18   | 5.685G         | 19   | 5.526G         | 20   | 5.394G         |
| 21                                               | 5.616G         | 22   | 5.333G         | 23   | 5.419G         | 24   | 5.461G         |
| 25                                               | 5.417G         | 26   | 5.393G         | 27   | 5.427G         | 28   | 5.650G         |
| 29                                               | 5.376G         | 30   | 5.351G         | 31   | 5.656G         | 32   | 5.494G         |
| 33                                               | 5.700G         | 34   | 5.365G         | 35   | 5.624G         | 36   | 5.551G         |
| 37                                               | 5.259G         | 38   | 5.657G         | 39   | 5.470G         | 40   | 5.666G         |
| 41                                               | 5.250G         | 42   | 5.501G         | 43   | 5.681G         | 44   | 5.496G         |
| 45                                               | 5.370G         | 46   | 5.689G         | 47   | 5.535G         | 48   | 5.271G         |
| 49                                               | 5.444G         | 50   | 5.696G         | 51   | 5.337G         | 52   | 5.621G         |
| 53                                               | 5.265G         | 54   | 5.399G         | 55   | 5.609G         | 56   | 5.722G         |
| 57                                               | 5.401G         | 58   | 5.667G         | 59   | 5.473G         | 60   | 5.511G         |
| 61                                               | 5.350G         | 62   | 5.614G         | 63   | 5.516G         | 64   | 5.409G         |
| 65                                               | 5.260G         | 66   | 5.709G         | 67   | 5.677G         | 68   | 5.590G         |
| 69                                               | 5.671G         | 70   | 5.418G         | 71   | 5.297G         | 72   | 5.623G         |
| 73                                               | 5.539G         | 74   | 5.371G         | 75   | 5.280G         | 76   | 5.422G         |
| 77                                               | 5.607G         | 78   | 5.407G         | 79   | 5.533G         | 80   | 5.316G         |
| 81                                               | 5.301G         | 82   | 5.640G         | 83   | 5.610G         | 84   | 5.454G         |
| 85                                               | 5.413G         | 86   | 5.512G         | 87   | 5.577G         | 88   | 5.557G         |
| 89                                               | 5.471G         | 90   | 5.622G         | 91   | 5.439G         | 92   | 5.361G         |
| 93                                               | 5.582G         | 94   | 5.360G         | 95   | 5.440G         | 96   | 5.537G         |
| 97                                               | 5.406G         | 98   | 5.585G         | 99   | 5.342G         | 100  | 5.462G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.664G         | 2    | 5.377G         | 3    | 5.595G         | 4    | 5.701G         |
| 5                                                | 5.596G         | 6    | 5.490G         | 7    | 5.573G         | 8    | 5.706G         |
| 9                                                | 5.594G         | 10   | 5.393G         | 11   | 5.581G         | 12   | 5.592G         |
| 13                                               | 5.403G         | 14   | 5.547G         | 15   | 5.428G         | 16   | 5.314G         |
| 17                                               | 5.643G         | 18   | 5.585G         | 19   | 5.444G         | 20   | 5.405G         |
| 21                                               | 5.279G         | 22   | 5.294G         | 23   | 5.477G         | 24   | 5.277G         |
| 25                                               | 5.543G         | 26   | 5.338G         | 27   | 5.720G         | 28   | 5.613G         |
| 29                                               | 5.323G         | 30   | 5.541G         | 31   | 5.496G         | 32   | 5.270G         |
| 33                                               | 5.499G         | 34   | 5.410G         | 35   | 5.530G         | 36   | 5.339G         |
| 37                                               | 5.452G         | 38   | 5.287G         | 39   | 5.423G         | 40   | 5.375G         |
| 41                                               | 5.328G         | 42   | 5.644G         | 43   | 5.620G         | 44   | 5.333G         |
| 45                                               | 5.635G         | 46   | 5.566G         | 47   | 5.645G         | 48   | 5.497G         |
| 49                                               | 5.325G         | 50   | 5.417G         | 51   | 5.523G         | 52   | 5.562G         |
| 53                                               | 5.605G         | 54   | 5.495G         | 55   | 5.271G         | 56   | 5.693G         |
| 57                                               | 5.442G         | 58   | 5.524G         | 59   | 5.637G         | 60   | 5.407G         |
| 61                                               | 5.421G         | 62   | 5.342G         | 63   | 5.435G         | 64   | 5.590G         |
| 65                                               | 5.636G         | 66   | 5.711G         | 67   | 5.468G         | 68   | 5.288G         |
| 69                                               | 5.488G         | 70   | 5.719G         | 71   | 5.699G         | 72   | 5.400G         |
| 73                                               | 5.343G         | 74   | 5.589G         | 75   | 5.379G         | 76   | 5.408G         |
| 77                                               | 5.406G         | 78   | 5.712G         | 79   | 5.370G         | 80   | 5.268G         |
| 81                                               | 5.299G         | 82   | 5.576G         | 83   | 5.619G         | 84   | 5.332G         |
| 85                                               | 5.361G         | 86   | 5.465G         | 87   | 5.517G         | 88   | 5.485G         |
| 89                                               | 5.724G         | 90   | 5.557G         | 91   | 5.297G         | 92   | 5.586G         |
| 93                                               | 5.321G         | 94   | 5.368G         | 95   | 5.683G         | 96   | 5.526G         |
| 97                                               | 5.649G         | 98   | 5.587G         | 99   | 5.582G         | 100  | 5.681G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.265G         | 2    | 5.645G         | 3    | 5.335G         | 4    | 5.680G         |
| 5                                                | 5.551G         | 6    | 5.661G         | 7    | 5.669G         | 8    | 5.387G         |
| 9                                                | 5.352G         | 10   | 5.635G         | 11   | 5.451G         | 12   | 5.534G         |
| 13                                               | 5.511G         | 14   | 5.708G         | 15   | 5.721G         | 16   | 5.644G         |
| 17                                               | 5.524G         | 18   | 5.634G         | 19   | 5.453G         | 20   | 5.698G         |
| 21                                               | 5.631G         | 22   | 5.445G         | 23   | 5.279G         | 24   | 5.582G         |
| 25                                               | 5.488G         | 26   | 5.687G         | 27   | 5.292G         | 28   | 5.673G         |
| 29                                               | 5.361G         | 30   | 5.256G         | 31   | 5.471G         | 32   | 5.523G         |
| 33                                               | 5.464G         | 34   | 5.330G         | 35   | 5.555G         | 36   | 5.499G         |
| 37                                               | 5.700G         | 38   | 5.613G         | 39   | 5.695G         | 40   | 5.672G         |
| 41                                               | 5.591G         | 42   | 5.399G         | 43   | 5.432G         | 44   | 5.664G         |
| 45                                               | 5.578G         | 46   | 5.571G         | 47   | 5.478G         | 48   | 5.463G         |
| 49                                               | 5.431G         | 50   | 5.516G         | 51   | 5.371G         | 52   | 5.652G         |
| 53                                               | 5.709G         | 54   | 5.692G         | 55   | 5.421G         | 56   | 5.480G         |
| 57                                               | 5.425G         | 58   | 5.293G         | 59   | 5.285G         | 60   | 5.693G         |
| 61                                               | 5.666G         | 62   | 5.609G         | 63   | 5.377G         | 64   | 5.338G         |
| 65                                               | 5.597G         | 66   | 5.430G         | 67   | 5.568G         | 68   | 5.489G         |
| 69                                               | 5.495G         | 70   | 5.479G         | 71   | 5.304G         | 72   | 5.527G         |
| 73                                               | 5.473G         | 74   | 5.397G         | 75   | 5.643G         | 76   | 5.626G         |
| 77                                               | 5.411G         | 78   | 5.702G         | 79   | 5.409G         | 80   | 5.512G         |
| 81                                               | 5.599G         | 82   | 5.497G         | 83   | 5.393G         | 84   | 5.351G         |
| 85                                               | 5.706G         | 86   | 5.327G         | 87   | 5.660G         | 88   | 5.437G         |
| 89                                               | 5.322G         | 90   | 5.566G         | 91   | 5.553G         | 92   | 5.501G         |
| 93                                               | 5.315G         | 94   | 5.590G         | 95   | 5.385G         | 96   | 5.650G         |
| 97                                               | 5.614G         | 98   | 5.705G         | 99   | 5.276G         | 100  | 5.469G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.609G         | 2    | 5.255G         | 3    | 5.447G         | 4    | 5.276G         |
| 5                                                | 5.345G         | 6    | 5.385G         | 7    | 5.526G         | 8    | 5.623G         |
| 9                                                | 5.601G         | 10   | 5.535G         | 11   | 5.657G         | 12   | 5.300G         |
| 13                                               | 5.306G         | 14   | 5.708G         | 15   | 5.495G         | 16   | 5.422G         |
| 17                                               | 5.658G         | 18   | 5.379G         | 19   | 5.692G         | 20   | 5.502G         |
| 21                                               | 5.253G         | 22   | 5.498G         | 23   | 5.380G         | 24   | 5.670G         |
| 25                                               | 5.460G         | 26   | 5.514G         | 27   | 5.545G         | 28   | 5.319G         |
| 29                                               | 5.252G         | 30   | 5.457G         | 31   | 5.478G         | 32   | 5.707G         |
| 33                                               | 5.722G         | 34   | 5.681G         | 35   | 5.329G         | 36   | 5.390G         |
| 37                                               | 5.367G         | 38   | 5.622G         | 39   | 5.286G         | 40   | 5.472G         |
| 41                                               | 5.435G         | 42   | 5.427G         | 43   | 5.458G         | 44   | 5.715G         |
| 45                                               | 5.537G         | 46   | 5.312G         | 47   | 5.671G         | 48   | 5.521G         |
| 49                                               | 5.322G         | 50   | 5.655G         | 51   | 5.308G         | 52   | 5.484G         |
| 53                                               | 5.361G         | 54   | 5.304G         | 55   | 5.259G         | 56   | 5.418G         |
| 57                                               | 5.360G         | 58   | 5.724G         | 59   | 5.594G         | 60   | 5.420G         |
| 61                                               | 5.549G         | 62   | 5.454G         | 63   | 5.314G         | 64   | 5.569G         |
| 65                                               | 5.467G         | 66   | 5.450G         | 67   | 5.519G         | 68   | 5.444G         |
| 69                                               | 5.268G         | 70   | 5.663G         | 71   | 5.709G         | 72   | 5.610G         |
| 73                                               | 5.621G         | 74   | 5.647G         | 75   | 5.648G         | 76   | 5.557G         |
| 77                                               | 5.529G         | 78   | 5.483G         | 79   | 5.589G         | 80   | 5.377G         |
| 81                                               | 5.338G         | 82   | 5.698G         | 83   | 5.433G         | 84   | 5.446G         |
| 85                                               | 5.618G         | 86   | 5.597G         | 87   | 5.393G         | 88   | 5.554G         |
| 89                                               | 5.477G         | 90   | 5.403G         | 91   | 5.280G         | 92   | 5.719G         |
| 93                                               | 5.263G         | 94   | 5.465G         | 95   | 5.305G         | 96   | 5.646G         |
| 97                                               | 5.550G         | 98   | 5.396G         | 99   | 5.637G         | 100  | 5.716G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.401G         | 2    | 5.459G         | 3    | 5.412G         | 4    | 5.639G         |
| 5                                                | 5.383G         | 6    | 5.630G         | 7    | 5.689G         | 8    | 5.673G         |
| 9                                                | 5.441G         | 10   | 5.384G         | 11   | 5.432G         | 12   | 5.451G         |
| 13                                               | 5.608G         | 14   | 5.440G         | 15   | 5.593G         | 16   | 5.398G         |
| 17                                               | 5.590G         | 18   | 5.280G         | 19   | 5.339G         | 20   | 5.257G         |
| 21                                               | 5.702G         | 22   | 5.422G         | 23   | 5.648G         | 24   | 5.683G         |
| 25                                               | 5.642G         | 26   | 5.479G         | 27   | 5.354G         | 28   | 5.718G         |
| 29                                               | 5.633G         | 30   | 5.620G         | 31   | 5.562G         | 32   | 5.334G         |
| 33                                               | 5.515G         | 34   | 5.546G         | 35   | 5.585G         | 36   | 5.486G         |
| 37                                               | 5.366G         | 38   | 5.409G         | 39   | 5.375G         | 40   | 5.392G         |
| 41                                               | 5.482G         | 42   | 5.313G         | 43   | 5.660G         | 44   | 5.279G         |
| 45                                               | 5.563G         | 46   | 5.617G         | 47   | 5.694G         | 48   | 5.307G         |
| 49                                               | 5.314G         | 50   | 5.376G         | 51   | 5.447G         | 52   | 5.697G         |
| 53                                               | 5.393G         | 54   | 5.698G         | 55   | 5.335G         | 56   | 5.358G         |
| 57                                               | 5.503G         | 58   | 5.605G         | 59   | 5.712G         | 60   | 5.413G         |
| 61                                               | 5.285G         | 62   | 5.662G         | 63   | 5.576G         | 64   | 5.429G         |
| 65                                               | 5.365G         | 66   | 5.653G         | 67   | 5.284G         | 68   | 5.687G         |
| 69                                               | 5.415G         | 70   | 5.315G         | 71   | 5.347G         | 72   | 5.722G         |
| 73                                               | 5.613G         | 74   | 5.372G         | 75   | 5.425G         | 76   | 5.504G         |
| 77                                               | 5.723G         | 78   | 5.330G         | 79   | 5.672G         | 80   | 5.473G         |
| 81                                               | 5.423G         | 82   | 5.618G         | 83   | 5.526G         | 84   | 5.452G         |
| 85                                               | 5.301G         | 86   | 5.460G         | 87   | 5.652G         | 88   | 5.592G         |
| 89                                               | 5.547G         | 90   | 5.286G         | 91   | 5.614G         | 92   | 5.603G         |
| 93                                               | 5.696G         | 94   | 5.484G         | 95   | 5.721G         | 96   | 5.343G         |
| 97                                               | 5.519G         | 98   | 5.667G         | 99   | 5.407G         | 100  | 5.489G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.338G         | 2    | 5.690G         | 3    | 5.513G         | 4    | 5.614G         |
| 5                                                | 5.452G         | 6    | 5.451G         | 7    | 5.357G         | 8    | 5.646G         |
| 9                                                | 5.375G         | 10   | 5.403G         | 11   | 5.400G         | 12   | 5.341G         |
| 13                                               | 5.469G         | 14   | 5.723G         | 15   | 5.707G         | 16   | 5.314G         |
| 17                                               | 5.708G         | 18   | 5.474G         | 19   | 5.336G         | 20   | 5.416G         |
| 21                                               | 5.427G         | 22   | 5.521G         | 23   | 5.593G         | 24   | 5.611G         |
| 25                                               | 5.598G         | 26   | 5.558G         | 27   | 5.652G         | 28   | 5.581G         |
| 29                                               | 5.383G         | 30   | 5.642G         | 31   | 5.313G         | 32   | 5.649G         |
| 33                                               | 5.722G         | 34   | 5.664G         | 35   | 5.561G         | 36   | 5.594G         |
| 37                                               | 5.266G         | 38   | 5.334G         | 39   | 5.685G         | 40   | 5.701G         |
| 41                                               | 5.437G         | 42   | 5.544G         | 43   | 5.332G         | 44   | 5.603G         |
| 45                                               | 5.465G         | 46   | 5.379G         | 47   | 5.579G         | 48   | 5.262G         |
| 49                                               | 5.250G         | 50   | 5.724G         | 51   | 5.283G         | 52   | 5.291G         |
| 53                                               | 5.587G         | 54   | 5.391G         | 55   | 5.329G         | 56   | 5.382G         |
| 57                                               | 5.372G         | 58   | 5.645G         | 59   | 5.455G         | 60   | 5.596G         |
| 61                                               | 5.422G         | 62   | 5.251G         | 63   | 5.609G         | 64   | 5.559G         |
| 65                                               | 5.497G         | 66   | 5.253G         | 67   | 5.545G         | 68   | 5.438G         |
| 69                                               | 5.488G         | 70   | 5.697G         | 71   | 5.503G         | 72   | 5.348G         |
| 73                                               | 5.583G         | 74   | 5.390G         | 75   | 5.647G         | 76   | 5.377G         |
| 77                                               | 5.535G         | 78   | 5.298G         | 79   | 5.556G         | 80   | 5.571G         |
| 81                                               | 5.644G         | 82   | 5.625G         | 83   | 5.490G         | 84   | 5.610G         |
| 85                                               | 5.592G         | 86   | 5.426G         | 87   | 5.280G         | 88   | 5.591G         |
| 89                                               | 5.305G         | 90   | 5.564G         | 91   | 5.721G         | 92   | 5.285G         |
| 93                                               | 5.526G         | 94   | 5.315G         | 95   | 5.698G         | 96   | 5.624G         |
| 97                                               | 5.258G         | 98   | 5.505G         | 99   | 5.606G         | 100  | 5.516G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.337G         | 2    | 5.639G         | 3    | 5.406G         | 4    | 5.583G         |
| 5                                                | 5.403G         | 6    | 5.551G         | 7    | 5.705G         | 8    | 5.571G         |
| 9                                                | 5.488G         | 10   | 5.253G         | 11   | 5.519G         | 12   | 5.369G         |
| 13                                               | 5.575G         | 14   | 5.445G         | 15   | 5.511G         | 16   | 5.419G         |
| 17                                               | 5.619G         | 18   | 5.261G         | 19   | 5.473G         | 20   | 5.710G         |
| 21                                               | 5.580G         | 22   | 5.657G         | 23   | 5.446G         | 24   | 5.508G         |
| 25                                               | 5.355G         | 26   | 5.634G         | 27   | 5.334G         | 28   | 5.460G         |
| 29                                               | 5.648G         | 30   | 5.546G         | 31   | 5.608G         | 32   | 5.674G         |
| 33                                               | 5.534G         | 34   | 5.723G         | 35   | 5.256G         | 36   | 5.629G         |
| 37                                               | 5.459G         | 38   | 5.352G         | 39   | 5.293G         | 40   | 5.517G         |
| 41                                               | 5.322G         | 42   | 5.467G         | 43   | 5.557G         | 44   | 5.672G         |
| 45                                               | 5.703G         | 46   | 5.415G         | 47   | 5.296G         | 48   | 5.547G         |
| 49                                               | 5.435G         | 50   | 5.465G         | 51   | 5.260G         | 52   | 5.282G         |
| 53                                               | 5.374G         | 54   | 5.430G         | 55   | 5.494G         | 56   | 5.640G         |
| 57                                               | 5.268G         | 58   | 5.432G         | 59   | 5.392G         | 60   | 5.307G         |
| 61                                               | 5.393G         | 62   | 5.344G         | 63   | 5.416G         | 64   | 5.285G         |
| 65                                               | 5.638G         | 66   | 5.597G         | 67   | 5.516G         | 68   | 5.690G         |
| 69                                               | 5.449G         | 70   | 5.504G         | 71   | 5.572G         | 72   | 5.669G         |
| 73                                               | 5.594G         | 74   | 5.532G         | 75   | 5.628G         | 76   | 5.673G         |
| 77                                               | 5.448G         | 78   | 5.537G         | 79   | 5.326G         | 80   | 5.266G         |
| 81                                               | 5.697G         | 82   | 5.522G         | 83   | 5.678G         | 84   | 5.655G         |
| 85                                               | 5.422G         | 86   | 5.317G         | 87   | 5.602G         | 88   | 5.264G         |
| 89                                               | 5.589G         | 90   | 5.627G         | 91   | 5.491G         | 92   | 5.701G         |
| 93                                               | 5.436G         | 94   | 5.680G         | 95   | 5.478G         | 96   | 5.558G         |
| 97                                               | 5.320G         | 98   | 5.662G         | 99   | 5.525G         | 100  | 5.434G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.518G         | 2    | 5.489G         | 3    | 5.280G         | 4    | 5.598G         |
| 5                                                | 5.417G         | 6    | 5.447G         | 7    | 5.418G         | 8    | 5.400G         |
| 9                                                | 5.674G         | 10   | 5.631G         | 11   | 5.668G         | 12   | 5.577G         |
| 13                                               | 5.654G         | 14   | 5.251G         | 15   | 5.570G         | 16   | 5.649G         |
| 17                                               | 5.318G         | 18   | 5.373G         | 19   | 5.558G         | 20   | 5.544G         |
| 21                                               | 5.331G         | 22   | 5.695G         | 23   | 5.395G         | 24   | 5.628G         |
| 25                                               | 5.551G         | 26   | 5.338G         | 27   | 5.678G         | 28   | 5.375G         |
| 29                                               | 5.448G         | 30   | 5.254G         | 31   | 5.693G         | 32   | 5.273G         |
| 33                                               | 5.501G         | 34   | 5.596G         | 35   | 5.406G         | 36   | 5.295G         |
| 37                                               | 5.253G         | 38   | 5.430G         | 39   | 5.315G         | 40   | 5.650G         |
| 41                                               | 5.565G         | 42   | 5.504G         | 43   | 5.533G         | 44   | 5.664G         |
| 45                                               | 5.547G         | 46   | 5.307G         | 47   | 5.385G         | 48   | 5.561G         |
| 49                                               | 5.521G         | 50   | 5.303G         | 51   | 5.383G         | 52   | 5.525G         |
| 53                                               | 5.300G         | 54   | 5.641G         | 55   | 5.613G         | 56   | 5.291G         |
| 57                                               | 5.614G         | 58   | 5.588G         | 59   | 5.365G         | 60   | 5.294G         |
| 61                                               | 5.600G         | 62   | 5.445G         | 63   | 5.387G         | 64   | 5.468G         |
| 65                                               | 5.405G         | 66   | 5.429G         | 67   | 5.450G         | 68   | 5.288G         |
| 69                                               | 5.462G         | 70   | 5.464G         | 71   | 5.443G         | 72   | 5.659G         |
| 73                                               | 5.344G         | 74   | 5.636G         | 75   | 5.611G         | 76   | 5.432G         |
| 77                                               | 5.341G         | 78   | 5.532G         | 79   | 5.420G         | 80   | 5.449G         |
| 81                                               | 5.284G         | 82   | 5.414G         | 83   | 5.724G         | 84   | 5.440G         |
| 85                                               | 5.556G         | 86   | 5.455G         | 87   | 5.499G         | 88   | 5.474G         |
| 89                                               | 5.481G         | 90   | 5.363G         | 91   | 5.478G         | 92   | 5.456G         |
| 93                                               | 5.264G         | 94   | 5.633G         | 95   | 5.589G         | 96   | 5.686G         |
| 97                                               | 5.538G         | 98   | 5.569G         | 99   | 5.524G         | 100  | 5.578G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.368G         | 2    | 5.583G         | 3    | 5.564G         | 4    | 5.520G         |
| 5                                                | 5.428G         | 6    | 5.366G         | 7    | 5.611G         | 8    | 5.390G         |
| 9                                                | 5.616G         | 10   | 5.556G         | 11   | 5.539G         | 12   | 5.485G         |
| 13                                               | 5.360G         | 14   | 5.302G         | 15   | 5.581G         | 16   | 5.614G         |
| 17                                               | 5.353G         | 18   | 5.358G         | 19   | 5.582G         | 20   | 5.325G         |
| 21                                               | 5.348G         | 22   | 5.292G         | 23   | 5.287G         | 24   | 5.567G         |
| 25                                               | 5.615G         | 26   | 5.346G         | 27   | 5.531G         | 28   | 5.263G         |
| 29                                               | 5.272G         | 30   | 5.282G         | 31   | 5.657G         | 32   | 5.554G         |
| 33                                               | 5.618G         | 34   | 5.580G         | 35   | 5.525G         | 36   | 5.291G         |
| 37                                               | 5.715G         | 38   | 5.343G         | 39   | 5.534G         | 40   | 5.312G         |
| 41                                               | 5.275G         | 42   | 5.270G         | 43   | 5.718G         | 44   | 5.696G         |
| 45                                               | 5.671G         | 46   | 5.307G         | 47   | 5.332G         | 48   | 5.721G         |
| 49                                               | 5.462G         | 50   | 5.714G         | 51   | 5.451G         | 52   | 5.679G         |
| 53                                               | 5.422G         | 54   | 5.317G         | 55   | 5.640G         | 56   | 5.695G         |
| 57                                               | 5.722G         | 58   | 5.598G         | 59   | 5.607G         | 60   | 5.648G         |
| 61                                               | 5.547G         | 62   | 5.396G         | 63   | 5.523G         | 64   | 5.659G         |
| 65                                               | 5.624G         | 66   | 5.584G         | 67   | 5.660G         | 68   | 5.452G         |
| 69                                               | 5.550G         | 70   | 5.440G         | 71   | 5.683G         | 72   | 5.382G         |
| 73                                               | 5.562G         | 74   | 5.578G         | 75   | 5.513G         | 76   | 5.393G         |
| 77                                               | 5.379G         | 78   | 5.409G         | 79   | 5.362G         | 80   | 5.297G         |
| 81                                               | 5.597G         | 82   | 5.337G         | 83   | 5.711G         | 84   | 5.460G         |
| 85                                               | 5.576G         | 86   | 5.605G         | 87   | 5.645G         | 88   | 5.591G         |
| 89                                               | 5.667G         | 90   | 5.398G         | 91   | 5.456G         | 92   | 5.380G         |
| 93                                               | 5.710G         | 94   | 5.636G         | 95   | 5.315G         | 96   | 5.277G         |
| 97                                               | 5.441G         | 98   | 5.676G         | 99   | 5.593G         | 100  | 5.394G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.336G         | 2    | 5.506G         | 3    | 5.514G         | 4    | 5.286G         |
| 5                                                | 5.715G         | 6    | 5.452G         | 7    | 5.408G         | 8    | 5.722G         |
| 9                                                | 5.332G         | 10   | 5.606G         | 11   | 5.608G         | 12   | 5.630G         |
| 13                                               | 5.676G         | 14   | 5.547G         | 15   | 5.568G         | 16   | 5.436G         |
| 17                                               | 5.503G         | 18   | 5.344G         | 19   | 5.723G         | 20   | 5.331G         |
| 21                                               | 5.637G         | 22   | 5.454G         | 23   | 5.589G         | 24   | 5.517G         |
| 25                                               | 5.586G         | 26   | 5.474G         | 27   | 5.267G         | 28   | 5.686G         |
| 29                                               | 5.333G         | 30   | 5.540G         | 31   | 5.585G         | 32   | 5.678G         |
| 33                                               | 5.482G         | 34   | 5.549G         | 35   | 5.473G         | 36   | 5.695G         |
| 37                                               | 5.412G         | 38   | 5.600G         | 39   | 5.620G         | 40   | 5.272G         |
| 41                                               | 5.499G         | 42   | 5.424G         | 43   | 5.366G         | 44   | 5.594G         |
| 45                                               | 5.526G         | 46   | 5.625G         | 47   | 5.632G         | 48   | 5.572G         |
| 49                                               | 5.260G         | 50   | 5.463G         | 51   | 5.679G         | 52   | 5.444G         |
| 53                                               | 5.716G         | 54   | 5.388G         | 55   | 5.587G         | 56   | 5.592G         |
| 57                                               | 5.399G         | 58   | 5.327G         | 59   | 5.607G         | 60   | 5.529G         |
| 61                                               | 5.455G         | 62   | 5.554G         | 63   | 5.688G         | 64   | 5.534G         |
| 65                                               | 5.250G         | 66   | 5.295G         | 67   | 5.541G         | 68   | 5.402G         |
| 69                                               | 5.551G         | 70   | 5.595G         | 71   | 5.459G         | 72   | 5.516G         |
| 73                                               | 5.467G         | 74   | 5.544G         | 75   | 5.358G         | 76   | 5.393G         |
| 77                                               | 5.490G         | 78   | 5.656G         | 79   | 5.493G         | 80   | 5.639G         |
| 81                                               | 5.410G         | 82   | 5.494G         | 83   | 5.346G         | 84   | 5.304G         |
| 85                                               | 5.357G         | 86   | 5.616G         | 87   | 5.339G         | 88   | 5.316G         |
| 89                                               | 5.318G         | 90   | 5.510G         | 91   | 5.405G         | 92   | 5.697G         |
| 93                                               | 5.483G         | 94   | 5.535G         | 95   | 5.672G         | 96   | 5.645G         |
| 97                                               | 5.558G         | 98   | 5.284G         | 99   | 5.460G         | 100  | 5.519G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.666G         | 2    | 5.685G         | 3    | 5.395G         | 4    | 5.370G         |
| 5                                                | 5.611G         | 6    | 5.291G         | 7    | 5.687G         | 8    | 5.327G         |
| 9                                                | 5.307G         | 10   | 5.486G         | 11   | 5.389G         | 12   | 5.604G         |
| 13                                               | 5.319G         | 14   | 5.463G         | 15   | 5.445G         | 16   | 5.357G         |
| 17                                               | 5.415G         | 18   | 5.721G         | 19   | 5.587G         | 20   | 5.585G         |
| 21                                               | 5.558G         | 22   | 5.574G         | 23   | 5.675G         | 24   | 5.566G         |
| 25                                               | 5.679G         | 26   | 5.570G         | 27   | 5.488G         | 28   | 5.640G         |
| 29                                               | 5.406G         | 30   | 5.617G         | 31   | 5.386G         | 32   | 5.592G         |
| 33                                               | 5.382G         | 34   | 5.448G         | 35   | 5.479G         | 36   | 5.461G         |
| 37                                               | 5.273G         | 38   | 5.671G         | 39   | 5.458G         | 40   | 5.432G         |
| 41                                               | 5.544G         | 42   | 5.271G         | 43   | 5.628G         | 44   | 5.343G         |
| 45                                               | 5.689G         | 46   | 5.709G         | 47   | 5.691G         | 48   | 5.529G         |
| 49                                               | 5.540G         | 50   | 5.633G         | 51   | 5.623G         | 52   | 5.667G         |
| 53                                               | 5.536G         | 54   | 5.277G         | 55   | 5.577G         | 56   | 5.625G         |
| 57                                               | 5.454G         | 58   | 5.595G         | 59   | 5.660G         | 60   | 5.564G         |
| 61                                               | 5.673G         | 62   | 5.362G         | 63   | 5.692G         | 64   | 5.252G         |
| 65                                               | 5.680G         | 66   | 5.304G         | 67   | 5.459G         | 68   | 5.436G         |
| 69                                               | 5.314G         | 70   | 5.723G         | 71   | 5.423G         | 72   | 5.651G         |
| 73                                               | 5.435G         | 74   | 5.553G         | 75   | 5.562G         | 76   | 5.602G         |
| 77                                               | 5.368G         | 78   | 5.646G         | 79   | 5.441G         | 80   | 5.412G         |
| 81                                               | 5.718G         | 82   | 5.552G         | 83   | 5.430G         | 84   | 5.607G         |
| 85                                               | 5.404G         | 86   | 5.393G         | 87   | 5.420G         | 88   | 5.672G         |
| 89                                               | 5.669G         | 90   | 5.596G         | 91   | 5.384G         | 92   | 5.428G         |
| 93                                               | 5.495G         | 94   | 5.268G         | 95   | 5.606G         | 96   | 5.551G         |
| 97                                               | 5.377G         | 98   | 5.588G         | 99   | 5.352G         | 100  | 5.477G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.458G         | 2    | 5.613G         | 3    | 5.717G         | 4    | 5.475G         |
| 5                                                | 5.607G         | 6    | 5.589G         | 7    | 5.417G         | 8    | 5.406G         |
| 9                                                | 5.298G         | 10   | 5.318G         | 11   | 5.710G         | 12   | 5.667G         |
| 13                                               | 5.351G         | 14   | 5.347G         | 15   | 5.300G         | 16   | 5.619G         |
| 17                                               | 5.309G         | 18   | 5.502G         | 19   | 5.578G         | 20   | 5.639G         |
| 21                                               | 5.573G         | 22   | 5.448G         | 23   | 5.462G         | 24   | 5.721G         |
| 25                                               | 5.389G         | 26   | 5.509G         | 27   | 5.414G         | 28   | 5.443G         |
| 29                                               | 5.262G         | 30   | 5.571G         | 31   | 5.558G         | 32   | 5.285G         |
| 33                                               | 5.529G         | 34   | 5.606G         | 35   | 5.419G         | 36   | 5.352G         |
| 37                                               | 5.566G         | 38   | 5.459G         | 39   | 5.304G         | 40   | 5.398G         |
| 41                                               | 5.339G         | 42   | 5.408G         | 43   | 5.281G         | 44   | 5.663G         |
| 45                                               | 5.690G         | 46   | 5.405G         | 47   | 5.335G         | 48   | 5.577G         |
| 49                                               | 5.491G         | 50   | 5.424G         | 51   | 5.411G         | 52   | 5.581G         |
| 53                                               | 5.715G         | 54   | 5.686G         | 55   | 5.267G         | 56   | 5.594G         |
| 57                                               | 5.277G         | 58   | 5.596G         | 59   | 5.457G         | 60   | 5.554G         |
| 61                                               | 5.388G         | 62   | 5.669G         | 63   | 5.474G         | 64   | 5.720G         |
| 65                                               | 5.453G         | 66   | 5.658G         | 67   | 5.500G         | 68   | 5.677G         |
| 69                                               | 5.358G         | 70   | 5.287G         | 71   | 5.338G         | 72   | 5.394G         |
| 73                                               | 5.609G         | 74   | 5.676G         | 75   | 5.353G         | 76   | 5.379G         |
| 77                                               | 5.616G         | 78   | 5.625G         | 79   | 5.257G         | 80   | 5.595G         |
| 81                                               | 5.588G         | 82   | 5.426G         | 83   | 5.556G         | 84   | 5.680G         |
| 85                                               | 5.373G         | 86   | 5.674G         | 87   | 5.350G         | 88   | 5.628G         |
| 89                                               | 5.423G         | 90   | 5.418G         | 91   | 5.260G         | 92   | 5.590G         |
| 93                                               | 5.392G         | 94   | 5.532G         | 95   | 5.478G         | 96   | 5.582G         |
| 97                                               | 5.562G         | 98   | 5.326G         | 99   | 5.548G         | 100  | 5.286G         |

**IEEE 802.11n HT40****Type 1 Radar Statistical Performances**

| Trial # | Pulse Repetition Frequency Number(1 to 23) | PRF(Pulse per seconds) | Pulses per Burst | PRI (μsec) | Radar Frequency (MHz) | Detection |
|---------|--------------------------------------------|------------------------|------------------|------------|-----------------------|-----------|
| 1       | 23                                         | 326.2                  | 18               | 3066       | 5513                  | Yes       |
| 2       | 9                                          | 1474.9                 | 78               | 678        | 5520                  | Yes       |
| 3       | 16                                         | 1222.5                 | 65               | 818        | 5493                  | Yes       |
| 4       | 5                                          | 1672.2                 | 89               | 598        | 5498                  | Yes       |
| 5       | 7                                          | 1567.4                 | 83               | 638        | 5507                  | Yes       |
| 6       | 15                                         | 1253.1                 | 67               | 798        | 5515                  | Yes       |
| 7       | 12                                         | 1355                   | 72               | 738        | 5514                  | Yes       |
| 8       | 20                                         | 1113.6                 | 59               | 898        | 5496                  | Yes       |
| 9       | 11                                         | 1392.8                 | 74               | 718        | 5522                  | No        |
| 10      | 3                                          | 1792.1                 | 95               | 558        | 5526                  | Yes       |
| 11      | 19                                         | 1139                   | 61               | 878        | 5501                  | Yes       |
| 12      | 17                                         | 1193.3                 | 63               | 838        | 5502                  | Yes       |
| 13      | 2                                          | 1858.7                 | 99               | 538        | 5523                  | Yes       |
| 14      | 8                                          | 1519.8                 | 81               | 658        | 5504                  | Yes       |
| 15      | 22                                         | 1066.1                 | 57               | 938        | 5511                  | Yes       |
| 16      |                                            | 1065.0                 | 57               | 939        | 5494                  | Yes       |
| 17      |                                            | 499.0                  | 27               | 2004       | 5491                  | Yes       |
| 18      |                                            | 627.7                  | 34               | 1593       | 5508                  | Yes       |
| 19      |                                            | 636.5                  | 34               | 1571       | 5528                  | Yes       |
| 20      |                                            | 1179.2                 | 63               | 848        | 5512                  | Yes       |
| 21      |                                            | 370.8                  | 20               | 2697       | 5529                  | Yes       |
| 22      |                                            | 590.7                  | 32               | 1693       | 5510                  | Yes       |
| 23      |                                            | 557.7                  | 30               | 1793       | 5524                  | Yes       |
| 24      |                                            | 989.1                  | 53               | 1011       | 5509                  | Yes       |
| 25      |                                            | 349.4                  | 19               | 2862       | 5495                  | Yes       |
| 26      |                                            | 997.0                  | 53               | 1003       | 5517                  | Yes       |
| 27      |                                            | 363.5                  | 20               | 2751       | 5521                  | Yes       |
| 28      |                                            | 492.9                  | 27               | 2029       | 5518                  | Yes       |
| 29      |                                            | 1326.3                 | 70               | 754        | 5519                  | Yes       |
| 30      |                                            | 803.2                  | 43               | 1245       | 5497                  | No        |

Detection Rate: 93.33 %

| Type 2 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 29               | 4.9                | 210        | 5495                  | Yes       |
| 2                                     | 24               | 1.7                | 178        | 5492                  | Yes       |
| 3                                     | 25               | 2.1                | 173        | 5520                  | No        |
| 4                                     | 28               | 4                  | 222        | 5508                  | Yes       |
| 5                                     | 27               | 3.6                | 219        | 5529                  | Yes       |
| 6                                     | 29               | 5                  | 212        | 5494                  | Yes       |
| 7                                     | 29               | 4.9                | 176        | 5514                  | Yes       |
| 8                                     | 23               | 1.1                | 199        | 5503                  | Yes       |
| 9                                     | 23               | 1.2                | 162        | 5496                  | Yes       |
| 10                                    | 29               | 4.5                | 220        | 5511                  | Yes       |
| 11                                    | 29               | 5                  | 229        | 5517                  | Yes       |
| 12                                    | 29               | 5                  | 214        | 5502                  | Yes       |
| 13                                    | 25               | 2.4                | 153        | 5512                  | No        |
| 14                                    | 28               | 4.1                | 197        | 5504                  | Yes       |
| 15                                    | 24               | 2                  | 211        | 5506                  | Yes       |
| 16                                    | 29               | 4.6                | 190        | 5491                  | Yes       |
| 17                                    | 23               | 1                  | 213        | 5507                  | Yes       |
| 18                                    | 25               | 2.4                | 218        | 5499                  | Yes       |
| 19                                    | 26               | 3.2                | 215        | 5493                  | No        |
| 20                                    | 26               | 3.1                | 157        | 5498                  | Yes       |
| 21                                    | 25               | 2.7                | 168        | 5497                  | Yes       |
| 22                                    | 25               | 2.6                | 227        | 5524                  | Yes       |
| 23                                    | 24               | 2                  | 171        | 5523                  | Yes       |
| 24                                    | 23               | 1.1                | 158        | 5500                  | Yes       |
| 25                                    | 23               | 1                  | 167        | 5519                  | Yes       |
| 26                                    | 29               | 4.9                | 150        | 5528                  | Yes       |
| 27                                    | 29               | 4.8                | 191        | 5501                  | No        |
| 28                                    | 25               | 2.3                | 159        | 5505                  | No        |
| 29                                    | 28               | 4.3                | 226        | 5526                  | Yes       |
| 30                                    | 26               | 3.3                | 208        | 5516                  | Yes       |
| Detection Rate: 83.33 %               |                  |                    |            |                       |           |

| Type 3 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 18               | 9.9                | 235        | 5523                  | Yes       |
| 2                                     | 16               | 6.7                | 357        | 5492                  | Yes       |
| 3                                     | 16               | 7.1                | 333        | 5512                  | Yes       |
| 4                                     | 18               | 9                  | 242        | 5494                  | No        |
| 5                                     | 17               | 8.6                | 397        | 5515                  | Yes       |
| 6                                     | 18               | 10                 | 302        | 5493                  | Yes       |
| 7                                     | 18               | 9.9                | 203        | 5520                  | Yes       |
| 8                                     | 16               | 6.1                | 428        | 5501                  | No        |
| 9                                     | 16               | 6.2                | 335        | 5521                  | Yes       |
| 10                                    | 18               | 9.5                | 240        | 5510                  | Yes       |
| 11                                    | 18               | 10                 | 224        | 5505                  | Yes       |
| 12                                    | 18               | 10                 | 410        | 5506                  | Yes       |
| 13                                    | 17               | 7.4                | 359        | 5526                  | Yes       |
| 14                                    | 18               | 9.1                | 269        | 5504                  | No        |
| 15                                    | 16               | 7                  | 250        | 5518                  | Yes       |
| 16                                    | 18               | 9.6                | 247        | 5522                  | Yes       |
| 17                                    | 16               | 6                  | 222        | 5495                  | Yes       |
| 18                                    | 17               | 7.4                | 424        | 5497                  | Yes       |
| 19                                    | 17               | 8.2                | 393        | 5491                  | Yes       |
| 20                                    | 17               | 8.1                | 382        | 5500                  | No        |
| 21                                    | 17               | 7.7                | 486        | 5511                  | Yes       |
| 22                                    | 17               | 7.6                | 480        | 5507                  | Yes       |
| 23                                    | 16               | 7                  | 360        | 5513                  | Yes       |
| 24                                    | 16               | 6.1                | 297        | 5503                  | Yes       |
| 25                                    | 16               | 6                  | 265        | 5525                  | Yes       |
| 26                                    | 18               | 9.9                | 263        | 5516                  | Yes       |
| 27                                    | 18               | 9.8                | 324        | 5519                  | Yes       |
| 28                                    | 17               | 7.3                | 386        | 5514                  | Yes       |
| 29                                    | 18               | 9.3                | 311        | 5498                  | Yes       |
| 30                                    | 17               | 8.3                | 378        | 5496                  | No        |
| Detection Rate: 83.33 %               |                  |                    |            |                       |           |

| Type 4 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 16               | 19.7               | 235        | 5491                  | Yes       |
| 2                                     | 12               | 12.7               | 357        | 5516                  | Yes       |
| 3                                     | 13               | 13.6               | 333        | 5518                  | No        |
| 4                                     | 15               | 17.7               | 242        | 5521                  | Yes       |
| 5                                     | 15               | 16.8               | 397        | 5509                  | Yes       |
| 6                                     | 16               | 20                 | 302        | 5496                  | Yes       |
| 7                                     | 16               | 19.7               | 203        | 5497                  | Yes       |
| 8                                     | 12               | 11.3               | 428        | 5507                  | Yes       |
| 9                                     | 12               | 11.5               | 335        | 5500                  | Yes       |
| 10                                    | 16               | 18.8               | 240        | 5519                  | Yes       |
| 11                                    | 16               | 20                 | 224        | 5501                  | Yes       |
| 12                                    | 16               | 20                 | 410        | 5508                  | No        |
| 13                                    | 13               | 14.2               | 359        | 5520                  | No        |
| 14                                    | 15               | 18                 | 269        | 5524                  | Yes       |
| 15                                    | 13               | 13.3               | 250        | 5505                  | Yes       |
| 16                                    | 16               | 19                 | 247        | 5492                  | Yes       |
| 17                                    | 12               | 11.1               | 222        | 5527                  | Yes       |
| 18                                    | 13               | 14.2               | 424        | 5502                  | Yes       |
| 19                                    | 14               | 15.9               | 393        | 5493                  | Yes       |
| 20                                    | 14               | 15.8               | 382        | 5514                  | Yes       |
| 21                                    | 14               | 14.8               | 486        | 5495                  | Yes       |
| 22                                    | 13               | 14.6               | 480        | 5513                  | Yes       |
| 23                                    | 13               | 13.2               | 360        | 5506                  | Yes       |
| 24                                    | 12               | 11.3               | 297        | 5522                  | No        |
| 25                                    | 12               | 11                 | 265        | 5529                  | Yes       |
| 26                                    | 16               | 19.6               | 263        | 5517                  | Yes       |
| 27                                    | 16               | 19.6               | 324        | 5503                  | Yes       |
| 28                                    | 13               | 14                 | 386        | 5526                  | Yes       |
| 29                                    | 16               | 18.3               | 311        | 5499                  | Yes       |
| 30                                    | 14               | 16.1               | 378        | 5523                  | Yes       |
| Detection Rate: 86.67 %               |                  |                    |            |                       |           |

| Type 5 Radar Statistical Performances |                  |                       |
|---------------------------------------|------------------|-----------------------|
| Trial #                               | Test Signal Name | Detection             |
| 1                                     | LP_Signal_01     | Yes                   |
| 2                                     | LP_Signal_02     | Yes                   |
| 3                                     | LP_Signal_03     | Yes                   |
| 4                                     | LP_Signal_04     | Yes                   |
| 5                                     | LP_Signal_05     | Yes                   |
| 6                                     | LP_Signal_06     | Yes                   |
| 7                                     | LP_Signal_07     | Yes                   |
| 8                                     | LP_Signal_08     | Yes                   |
| 9                                     | LP_Signal_09     | Yes                   |
| 10                                    | LP_Signal_10     | Yes                   |
| 11                                    | LP_Signal_11     | Yes                   |
| 12                                    | LP_Signal_12     | Yes                   |
| 13                                    | LP_Signal_13     | Yes                   |
| 14                                    | LP_Signal_14     | Yes                   |
| 15                                    | LP_Signal_15     | Yes                   |
| 16                                    | LP_Signal_16     | Yes                   |
| 17                                    | LP_Signal_17     | Yes                   |
| 18                                    | LP_Signal_18     | Yes                   |
| 19                                    | LP_Signal_19     | Yes                   |
| 20                                    | LP_Signal_20     | Yes                   |
| 21                                    | LP_Signal_21     | Yes                   |
| 22                                    | LP_Signal_22     | Yes                   |
| 23                                    | LP_Signal_23     | Yes                   |
| 24                                    | LP_Signal_24     | Yes                   |
| 25                                    | LP_Signal_25     | Yes                   |
| 26                                    | LP_Signal_26     | Yes                   |
| 27                                    | LP_Signal_27     | Yes                   |
| 28                                    | LP_Signal_28     | Yes                   |
| 29                                    | LP_Signal_29     | Yes                   |
| 30                                    | LP_Signal_30     | Yes                   |
|                                       |                  | Detection Rate: 100 % |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_01

Number of Bursts in Trial: 13

Chirp Center Frequency: 5510MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 72.2             | 12                | 2                          | 1002.0     | 1973.0     | -          |
| 2     | 74.1             | 12                | 2                          | 1892.0     | 1635.0     | -          |
| 3     | 85.9             | 12                | 3                          | 1097.0     | 1171.0     | 1514.0     |
| 4     | 68.7             | 12                | 2                          | 1150.0     | 1740.0     | -          |
| 5     | 62.1             | 12                | 1                          | 1907.0     | -          | -          |
| 6     | 84.8             | 12                | 3                          | 1313.0     | 1536.0     | 1177.0     |
| 7     | 85.2             | 12                | 3                          | 1597.0     | 1539.0     | 1629.0     |
| 8     | 76.2             | 12                | 2                          | 1371.0     | 1764.0     | -          |
| 9     | 94.6             | 12                | 3                          | 1563.0     | 1880.0     | 1548.0     |
| 10    | 52.5             | 12                | 1                          | 1528.0     | -          | -          |
| 11    | 94.6             | 12                | 3                          | 1537.0     | 1935.0     | 1241.0     |
| 12    | 71.5             | 12                | 2                          | 1337.0     | 1472.0     | -          |
| 13    | 66.1             | 12                | 1                          | 1824.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_02

Number of Bursts in Trial: 14

Chirp Center Frequency: 5510MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 75.3             | 12                | 2                          | 1516.0     | 1581.0     | -          |
| 2     | 57.3             | 12                | 1                          | 1187.0     | -          | -          |
| 3     | 97.0             | 12                | 3                          | 1767.0     | 1677.0     | 1381.0     |
| 4     | 71.3             | 12                | 2                          | 1683.0     | 1622.0     | -          |
| 5     | 65.7             | 12                | 1                          | 1458.0     | -          | -          |
| 6     | 56.8             | 12                | 1                          | 1388.0     | -          | -          |
| 7     | 95.0             | 12                | 3                          | 1793.0     | 1254.0     | 1779.0     |
| 8     | 52.2             | 12                | 1                          | 1575.0     | -          | -          |
| 9     | 54.2             | 12                | 1                          | 1682.0     | -          | -          |
| 10    | 94.1             | 12                | 3                          | 1957.0     | 1485.0     | 1876.0     |
| 11    | 91.2             | 12                | 3                          | 1803.0     | 1693.0     | 1628.0     |
| 12    | 91.8             | 12                | 3                          | 1897.0     | 1636.0     | 1353.0     |
| 13    | 75.0             | 12                | 2                          | 1877.0     | 1456.0     | -          |
| 14    | 80.2             | 12                | 2                          | 1698.0     | 1608.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_03

Number of Bursts in Trial: 17

Chirp Center Frequency: 5510MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 76.2             | 16                | 2                          | 1955.0     | 1109.0     | -          |
| 2     | 97.3             | 16                | 3                          | 1836.0     | 1042.0     | 1224.0     |
| 3     | 75.3             | 16                | 2                          | 1579.0     | 1126.0     | -          |
| 4     | 74.5             | 16                | 2                          | 1771.0     | 1755.0     | -          |
| 5     | 51.2             | 16                | 1                          | 1133.0     | -          | -          |
| 6     | 66.1             | 16                | 1                          | 1167.0     | -          | -          |
| 7     | 98.8             | 16                | 3                          | 1919.0     | 1424.0     | 1985.0     |
| 8     | 61.3             | 16                | 1                          | 1454.0     | -          | -          |
| 9     | 66.4             | 16                | 1                          | 1772.0     | -          | -          |
| 10    | 93.5             | 16                | 3                          | 1879.0     | 1022.0     | 1857.0     |
| 11    | 85.7             | 16                | 3                          | 1980.0     | 1009.0     | 1716.0     |
| 12    | 50.5             | 16                | 1                          | 1924.0     | -          | -          |
| 13    | 88.1             | 16                | 3                          | 1131.0     | 1890.0     | 1939.0     |
| 14    | 68.9             | 16                | 2                          | 1806.0     | 1414.0     | -          |
| 15    | 55.3             | 16                | 1                          | 1802.0     | -          | -          |
| 16    | 64.6             | 16                | 1                          | 1178.0     | -          | -          |
| 17    | 57.2             | 16                | 1                          | 1238.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_04

Number of Bursts in Trial: 13

Chirp Center Frequency: 5510MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 78.5             | 10                | 2                          | 1267.0     | 1505.0     | -          |
| 2     | 63.3             | 10                | 1                          | 1532.0     | -          | -          |
| 3     | 92.6             | 10                | 3                          | 1729.0     | 1751.0     | 1928.0     |
| 4     | 91.0             | 10                | 3                          | 1808.0     | 1249.0     | 1809.0     |
| 5     | 94.9             | 10                | 3                          | 1186.0     | 1732.0     | 1743.0     |
| 6     | 79.1             | 10                | 2                          | 1776.0     | 1457.0     | -          |
| 7     | 50.3             | 10                | 1                          | 1914.0     | -          | -          |
| 8     | 89.3             | 10                | 3                          | 1182.0     | 1251.0     | 1687.0     |
| 9     | 94.6             | 10                | 3                          | 1998.0     | 1753.0     | 1228.0     |
| 10    | 64.7             | 10                | 1                          | 1100.0     | -          | -          |
| 11    | 84.0             | 10                | 3                          | 1373.0     | 1450.0     | 1589.0     |
| 12    | 68.0             | 10                | 2                          | 1895.0     | 1322.0     | -          |



Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_05

Number of Bursts in Trial: 11

Chirp Center Frequency: 5510MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 80.0             | 8                 | 2                          | 1357.0     | 1208.0     | -          |
| 2     | 94.7             | 8                 | 3                          | 1931.0     | 1905.0     | 1921.0     |
| 3     | 76.9             | 8                 | 2                          | 1453.0     | 1021.0     | -          |
| 4     | 87.1             | 8                 | 3                          | 1953.0     | 1469.0     | 1706.0     |
| 5     | 54.6             | 8                 | 1                          | 1301.0     | -          | -          |
| 6     | 59.0             | 8                 | 1                          | 1794.0     | -          | -          |
| 7     | 78.9             | 8                 | 2                          | 1279.0     | 1975.0     | -          |
| 8     | 69.3             | 8                 | 2                          | 1288.0     | 1610.0     | -          |
| 9     | 78.0             | 8                 | 2                          | 1433.0     | 1025.0     | -          |
| 10    | 93.4             | 8                 | 3                          | 1833.0     | 1804.0     | 1493.0     |
| 11    | 55.4             | 8                 | 1                          | 1495.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_06

Number of Bursts in Trial: 17

Chirp Center Frequency: 5510MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 67.3             | 16                | 2                          | 1530.0     | 1432.0     | -          |
| 2     | 63.9             | 16                | 1                          | 1356.0     | -          | -          |
| 3     | 91.0             | 16                | 3                          | 1631.0     | 1478.0     | 1219.0     |
| 4     | 53.4             | 16                | 1                          | 1609.0     | -          | -          |
| 5     | 85.7             | 16                | 3                          | 1831.0     | 1535.0     | 1960.0     |
| 6     | 65.2             | 16                | 1                          | 1873.0     | -          | -          |
| 7     | 68.7             | 16                | 2                          | 1791.0     | 1461.0     | -          |
| 8     | 76.1             | 16                | 2                          | 1815.0     | 1300.0     | -          |
| 9     | 97.0             | 16                | 3                          | 1471.0     | 1292.0     | 1452.0     |
| 10    | 89.6             | 16                | 3                          | 1436.0     | 1074.0     | 1400.0     |
| 11    | 86.9             | 16                | 3                          | 1085.0     | 1093.0     | 1156.0     |
| 12    | 62.6             | 16                | 1                          | 1870.0     | -          | -          |
| 13    | 78.5             | 16                | 2                          | 1447.0     | 1404.0     | -          |
| 14    | 82.5             | 16                | 2                          | 1717.0     | 1689.0     | -          |
| 15    | 89.2             | 16                | 3                          | 1642.0     | 1391.0     | 1274.0     |
| 16    | 81.4             | 16                | 2                          | 1624.0     | 1645.0     | -          |
| 17    | 68.2             | 16                | 2                          | 1475.0     | 1250.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_07

Number of Bursts in Trial: 17

Chirp Center Frequency: 5510MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 74.9             | 16                | 2                          | 1350.0     | 1816.0     | -          |
| 2     | 85.3             | 16                | 3                          | 1965.0     | 1440.0     | 1583.0     |
| 3     | 56.6             | 16                | 1                          | 1739.0     | -          | -          |
| 4     | 51.4             | 16                | 1                          | 1819.0     | -          | -          |
| 5     | 64.8             | 16                | 1                          | 1673.0     | -          | -          |
| 6     | 93.4             | 16                | 3                          | 1271.0     | 1504.0     | 1275.0     |
| 7     | 86.4             | 16                | 3                          | 1203.0     | 1064.0     | 1347.0     |
| 8     | 98.9             | 16                | 3                          | 1611.0     | 1958.0     | 1546.0     |
| 9     | 58.7             | 16                | 1                          | 1638.0     | -          | -          |
| 10    | 63.4             | 16                | 1                          | 1316.0     | -          | -          |
| 11    | 83.5             | 16                | 3                          | 1741.0     | 1293.0     | 1305.0     |
| 12    | 59.8             | 16                | 1                          | 1820.0     | -          | -          |
| 13    | 76.4             | 16                | 2                          | 1484.0     | 1835.0     | -          |
| 14    | 95.4             | 16                | 3                          | 1423.0     | 1827.0     | 1474.0     |
| 15    | 79.3             | 16                | 2                          | 1944.0     | 1891.0     | -          |
| 16    | 85.2             | 16                | 3                          | 1473.0     | 1321.0     | 1213.0     |
| 17    | 57.9             | 16                | 1                          | 1757.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_08

Number of Bursts in Trial: 14

Chirp Center Frequency: 5510MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 75.2             | 13                | 2                          | 1261.0     | 1304.0     | -          |
| 2     | 77.1             | 13                | 2                          | 1027.0     | 1508.0     | -          |
| 3     | 53.8             | 13                | 1                          | 1902.0     | -          | -          |
| 4     | 75.7             | 13                | 2                          | 1695.0     | 1486.0     | -          |
| 5     | 64.7             | 13                | 1                          | 1578.0     | -          | -          |
| 6     | 74.0             | 13                | 2                          | 1297.0     | 1665.0     | -          |
| 7     | 75.9             | 13                | 2                          | 1668.0     | 1099.0     | -          |
| 8     | 88.6             | 13                | 3                          | 1090.0     | 1936.0     | 1660.0     |
| 9     | 87.0             | 13                | 3                          | 1380.0     | 1565.0     | 1497.0     |
| 10    | 78.4             | 13                | 2                          | 1379.0     | 1840.0     | -          |
| 11    | 93.2             | 13                | 3                          | 1850.0     | 1932.0     | 1054.0     |
| 12    | 82.0             | 13                | 2                          | 1428.0     | 1543.0     | -          |
| 13    | 98.5             | 13                | 3                          | 1029.0     | 1055.0     | 1690.0     |
| 14    | 54.6             | 13                | 1                          | 1266.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_09

Number of Bursts in Trial: 19

Chrip Center Frequency: 5510MHz

| Burst | Pulse Width (us) | Chrip Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 65.5             | 19                | 1                          | 1799.0     | -          | -          |
| 2     | 77.7             | 19                | 2                          | 1728.0     | 1378.0     | -          |
| 3     | 60.7             | 19                | 1                          | 1787.0     | -          | -          |
| 4     | 94.4             | 19                | 3                          | 1908.0     | 1028.0     | 1324.0     |
| 5     | 92.7             | 19                | 3                          | 1737.0     | 1540.0     | 1586.0     |
| 6     | 86.8             | 19                | 3                          | 1368.0     | 1194.0     | 1593.0     |
| 7     | 54.0             | 19                | 1                          | 1445.0     | -          | -          |
| 8     | 52.4             | 19                | 1                          | 1101.0     | -          | -          |
| 9     | 70.5             | 19                | 2                          | 1766.0     | 1927.0     | -          |
| 10    | 54.5             | 19                | 1                          | 1442.0     | -          | -          |
| 11    | 54.5             | 19                | 1                          | 1913.0     | -          | -          |
| 12    | 76.9             | 19                | 2                          | 1223.0     | 1894.0     | -          |
| 13    | 51.7             | 19                | 1                          | 1225.0     | -          | -          |
| 14    | 85.3             | 19                | 3                          | 1403.0     | 1375.0     | 1925.0     |
| 15    | 66.3             | 19                | 1                          | 1061.0     | -          | -          |
| 16    | 70.5             | 19                | 2                          | 1881.0     | 1923.0     | -          |
| 17    | 94.3             | 19                | 3                          | 1510.0     | 1114.0     | 1654.0     |
| 18    | 57.6             | 19                | 1                          | 1780.0     | -          | -          |
| 19    | 77.5             | 19                | 2                          | 1602.0     | 1394.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_10

Number of Bursts in Trial: 8

Chrip Center Frequency: 5510MHz

| Burst | Pulses per Burst | Chrip (Hz)        | Pulse Width (s)            | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|-------------------|----------------------------|--------------------------|--------------------------|--------------------|
| 1     | Pulse Width (us) | Chrip Width (MHz) | Number of Pulses per Burst | PRI-1 (us)               | PRI-2 (us)               | PRI-3 (us)         |
| 2     | 70.6             | 5                 | 2                          | 1604.0                   | 1926.0                   | -                  |
| 3     | 57.2             | 5                 | 1                          | 1195.0                   | -                        | -                  |
| 4     | 62.0             | 5                 | 1                          | 1181.0                   | -                        | -                  |
| 5     | 77.5             | 5                 | 2                          | 1349.0                   | 1658.0                   | -                  |
| 6     | 92.5             | 5                 | 3                          | 1599.0                   | 1544.0                   | 1016.0             |
| 7     | 60.1             | 5                 | 1                          | 1077.0                   | -                        | -                  |
| 8     | 61.3             | 5                 | 1                          | 1139.0                   | -                        | -                  |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_11

Number of Bursts in Trial: 19

Chirp Center Frequency: 5299MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 62.8             | 19                | 1                          | 1655.0     | -          | -          |
| 2     | 77.9             | 19                | 2                          | 1014.0     | 1929.0     | -          |
| 3     | 65.0             | 19                | 1                          | 1860.0     | -          | -          |
| 4     | 93.3             | 19                | 3                          | 1954.0     | 1542.0     | 1096.0     |
| 5     | 66.9             | 19                | 2                          | 1667.0     | 1754.0     | -          |
| 6     | 60.2             | 19                | 1                          | 1625.0     | -          | -          |
| 7     | 58.8             | 19                | 1                          | 1323.0     | -          | -          |
| 8     | 67.9             | 19                | 2                          | 1518.0     | 1134.0     | -          |
| 9     | 82.1             | 19                | 2                          | 1281.0     | 1343.0     | -          |
| 10    | 65.7             | 19                | 1                          | 1615.0     | -          | -          |
| 11    | 50.9             | 19                | 1                          | 1026.0     | -          | -          |
| 12    | 86.6             | 19                | 3                          | 1966.0     | 1590.0     | 1158.0     |
| 13    | 98.5             | 19                | 3                          | 1686.0     | 1977.0     | 1402.0     |
| 14    | 53.8             | 19                | 1                          | 1011.0     | -          | -          |
| 15    | 72.8             | 19                | 2                          | 1846.0     | 1714.0     | -          |
| 16    | 56.6             | 19                | 1                          | 1202.0     | -          | -          |
| 17    | 99.4             | 19                | 3                          | 1429.0     | 1521.0     | 1455.0     |
| 18    | 71.2             | 19                | 2                          | 1362.0     | 1060.0     | -          |
| 19    | 87.9             | 19                | 3                          | 1934.0     | 1172.0     | 1561.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_12

Number of Bursts in Trial: 13

Chrip Center Frequency: 5296MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 72.2             | 11                | 2                          | 1258.0     | 1361.0     | -          |
| 2     | 90.7             | 11                | 3                          | 1265.0     | 1573.0     | 1230.0     |
| 3     | 72.3             | 11                | 2                          | 1050.0     | 1796.0     | -          |
| 4     | 66.5             | 11                | 1                          | 1507.0     | -          | -          |
| 5     | 84.1             | 11                | 3                          | 1427.0     | 1393.0     | 1338.0     |
| 6     | 85.5             | 11                | 3                          | 1449.0     | 1910.0     | 1374.0     |
| 7     | 54.5             | 11                | 1                          | 1342.0     | -          | -          |
| 8     | 77.9             | 11                | 2                          | 1118.0     | 1013.0     | -          |
| 9     | 97.4             | 11                | 3                          | 1781.0     | 1253.0     | 1707.0     |
| 10    | 53.4             | 11                | 1                          | 1032.0     | -          | -          |
| 11    | 50.2             | 11                | 1                          | 1671.0     | -          | -          |
| 12    | 68.3             | 11                | 2                          | 1465.0     | 1125.0     | -          |
| 13    | 84.3             | 11                | 3                          | 1972.0     | 1652.0     | 1206.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_13

Number of Bursts in Trial: 12

Chrip Center Frequency: 5295MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 81.4             | 10                | 2                          | 1431.0     | 1141.0     | -          |
| 2     | 56.0             | 10                | 1                          | 1727.0     | -          | -          |
| 3     | 91.2             | 10                | 3                          | 1533.0     | 1264.0     | 1132.0     |
| 4     | 74.6             | 10                | 2                          | 1669.0     | 1477.0     | -          |
| 5     | 55.5             | 10                | 1                          | 1738.0     | -          | -          |
| 6     | 61.2             | 10                | 1                          | 1774.0     | -          | -          |
| 7     | 87.7             | 10                | 3                          | 1574.0     | 1140.0     | 1464.0     |
| 8     | 66.6             | 10                | 1                          | 1587.0     | -          | -          |
| 9     | 93.0             | 10                | 3                          | 1320.0     | 1663.0     | 1525.0     |
| 10    | 67.3             | 10                | 2                          | 1018.0     | 1302.0     | -          |
| 11    | 84.2             | 10                | 3                          | 1513.0     | 1215.0     | 1688.0     |
| 12    | 54.8             | 10                | 1                          | 1243.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_14

Number of Bursts in Trial: 14

Chirp Center Frequency: 5296MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 93.4             | 13                | 3                          | 1023.0     | 1052.0     | 1143.0     |
| 2     | 71.0             | 13                | 2                          | 1152.0     | 1770.0     | -          |
| 3     | 79.0             | 13                | 2                          | 1862.0     | 1552.0     | -          |
| 4     | 66.7             | 13                | 2                          | 1483.0     | 1296.0     | -          |
| 5     | 84.5             | 13                | 3                          | 1185.0     | 1144.0     | 1832.0     |
| 6     | 55.3             | 13                | 1                          | 1969.0     | -          | -          |
| 7     | 78.1             | 13                | 2                          | 1318.0     | 1722.0     | -          |
| 8     | 71.3             | 13                | 2                          | 1653.0     | 1201.0     | -          |
| 9     | 72.3             | 13                | 2                          | 1222.0     | 1232.0     | -          |
| 10    | 89.1             | 13                | 3                          | 1874.0     | 1748.0     | 1491.0     |
| 11    | 90.1             | 13                | 3                          | 1522.0     | 1582.0     | 1990.0     |
| 12    | 90.5             | 13                | 3                          | 1176.0     | 1344.0     | 1971.0     |
| 13    | 61.3             | 13                | 1                          | 1199.0     | -          | -          |
| 14    | 80.9             | 13                | 2                          | 1111.0     | 1295.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_15

Number of Bursts in Trial: 9

Chirp Center Frequency: 5294MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 57.8             | 7                 | 1                          | 1724.0     | -          | -          |
| 2     | 62.3             | 7                 | 1                          | 1498.0     | -          | -          |
| 3     | 82.4             | 7                 | 2                          | 1151.0     | 1396.0     | -          |
| 4     | 61.5             | 7                 | 1                          | 1501.0     | -          | -          |
| 5     | 64.5             | 7                 | 1                          | 1623.0     | -          | -          |
| 6     | 81.9             | 7                 | 2                          | 1079.0     | 1951.0     | -          |
| 7     | 97.4             | 7                 | 3                          | 1216.0     | 1204.0     | 1618.0     |
| 8     | 66.6             | 7                 | 1                          | 1630.0     | -          | -          |
| 9     | 55.2             | 7                 | 1                          | 1502.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_16

Number of Bursts in Trial: 20

Chirp Center Frequency: 5299MHz

| Burst | Pulse Width<br>(us) | Chirp Width<br>(MHz) | Number of<br>Pulses per<br>Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------------|----------------------------------|------------|------------|------------|
| 1     | 92.5                | 20                   | 3                                | 1098.0     | 1694.0     | 1425.0     |
| 2     | 62.7                | 20                   | 1                                | 1844.0     | -          | -          |
| 3     | 98.2                | 20                   | 3                                | 1976.0     | 1482.0     | 1887.0     |
| 4     | 51.1                | 20                   | 1                                | 1479.0     | -          | -          |
| 5     | 88.1                | 20                   | 3                                | 1838.0     | 1191.0     | 1421.0     |
| 6     | 83.5                | 20                   | 3                                | 1366.0     | 1037.0     | 1981.0     |
| 7     | 71.3                | 20                   | 2                                | 1676.0     | 1699.0     | -          |
| 8     | 79.3                | 20                   | 2                                | 1856.0     | 1174.0     | -          |
| 9     | 73.3                | 20                   | 2                                | 1326.0     | 1529.0     | -          |
| 10    | 88.1                | 20                   | 3                                | 1070.0     | 1841.0     | 1710.0     |
| 11    | 61.6                | 20                   | 1                                | 1327.0     | -          | -          |
| 12    | 90.8                | 20                   | 3                                | 1086.0     | 1584.0     | 1236.0     |
| 13    | 64.4                | 20                   | 1                                | 1045.0     | -          | -          |
| 14    | 75.5                | 20                   | 2                                | 1311.0     | 1273.0     | -          |
| 15    | 61.2                | 20                   | 1                                | 1180.0     | -          | -          |
| 16    | 62.8                | 20                   | 1                                | 1136.0     | -          | -          |
| 17    | 98.1                | 20                   | 3                                | 1242.0     | 1058.0     | 1248.0     |
| 18    | 72.1                | 20                   | 2                                | 1941.0     | 1041.0     | -          |
| 19    | 97.1                | 20                   | 3                                | 1031.0     | 1221.0     | 1309.0     |
| 20    | 62.0                | 20                   | 1                                | 1797.0     | -          | -          |



Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_17

Number of Bursts in Trial: 13

Chirp Center Frequency: 5296MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 92.3             | 11                | 3                          | 1768.0     | 1605.0     | 1619.0     |
| 2     | 66.0             | 11                | 1                          | 1468.0     | -          | -          |
| 3     | 50.6             | 11                | 1                          | 1549.0     | -          | -          |
| 4     | 63.2             | 11                | 1                          | 1035.0     | -          | -          |
| 5     | 74.6             | 11                | 2                          | 1312.0     | 1745.0     | -          |
| 6     | 53.4             | 11                | 1                          | 1598.0     | -          | -          |
| 7     | 75.3             | 11                | 2                          | 1837.0     | 1443.0     | -          |
| 8     | 84.2             | 11                | 3                          | 1110.0     | 1034.0     | 1948.0     |
| 9     | 81.5             | 11                | 2                          | 1898.0     | 1298.0     | -          |
| 10    | 52.8             | 11                | 1                          | 1553.0     | -          | -          |
| 11    | 52.3             | 11                | 1                          | 1675.0     | -          | -          |
| 12    | 57.4             | 11                | 1                          | 1702.0     | -          | -          |
| 13    | 76.7             | 11                | 2                          | 1961.0     | 1670.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_18

Number of Bursts in Trial: 12

Chirp Center Frequency: 5295MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 65.8             | 10                | 1                          | 2000.0     | -          | -          |
| 2     | 86.6             | 10                | 3                          | 1666.0     | 1190.0     | 1043.0     |
| 3     | 54.0             | 10                | 1                          | 1922.0     | -          | -          |
| 4     | 86.4             | 10                | 3                          | 1703.0     | 1962.0     | 1639.0     |
| 5     | 54.2             | 10                | 1                          | 1119.0     | -          | -          |
| 6     | 90.0             | 10                | 3                          | 1257.0     | 1911.0     | 1571.0     |
| 7     | 87.8             | 10                | 3                          | 1120.0     | 1509.0     | 1708.0     |
| 8     | 50.9             | 10                | 1                          | 1572.0     | -          | -          |
| 9     | 59.7             | 10                | 1                          | 1155.0     | -          | -          |
| 10    | 66.7             | 10                | 2                          | 1818.0     | 1725.0     | -          |
| 11    | 52.4             | 10                | 1                          | 1082.0     | -          | -          |
| 12    | 99.8             | 10                | 3                          | 1775.0     | 1778.0     | 1068.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_19

Number of Bursts in Trial: 9

Chirp Center Frequency: 5294MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 90.2             | 7                 | 3                          | 1723.0     | 1106.0     | 1103.0     |
| 2     | 93.4             | 7                 | 3                          | 1715.0     | 1810.0     | 1370.0     |
| 3     | 86.8             | 7                 | 3                          | 1390.0     | 1340.0     | 1634.0     |
| 4     | 71.2             | 7                 | 2                          | 1108.0     | 1351.0     | -          |
| 5     | 98.7             | 7                 | 3                          | 1949.0     | 1720.0     | 1363.0     |
| 6     | 66.4             | 7                 | 1                          | 1621.0     | -          | -          |
| 7     | 59.7             | 7                 | 1                          | 1993.0     | -          | -          |
| 8     | 50.3             | 7                 | 1                          | 1412.0     | -          | -          |
| 9     | 54.6             | 7                 | 1                          | 1441.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_20

Number of Bursts in Trial: 19

Chirp Center Frequency: 5299MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 62.9             | 19                | 1                          | 1466.0     | -          | -          |
| 2     | 76.5             | 19                | 2                          | 1008.0     | 1600.0     | -          |
| 3     | 62.0             | 19                | 1                          | 1355.0     | -          | -          |
| 4     | 84.9             | 19                | 3                          | 1893.0     | 1851.0     | 1166.0     |
| 5     | 76.5             | 19                | 2                          | 1909.0     | 1987.0     | -          |
| 6     | 84.7             | 19                | 3                          | 1179.0     | 1256.0     | 1107.0     |
| 7     | 58.1             | 19                | 1                          | 1123.0     | -          | -          |
| 8     | 87.1             | 19                | 3                          | 1315.0     | 1763.0     | 1365.0     |
| 9     | 97.9             | 19                | 3                          | 1051.0     | 1395.0     | 1519.0     |
| 10    | 70.5             | 19                | 2                          | 1984.0     | 1692.0     | -          |
| 11    | 85.7             | 19                | 3                          | 1438.0     | 1040.0     | 1672.0     |
| 12    | 54.2             | 19                | 1                          | 1247.0     | -          | -          |
| 13    | 64.0             | 19                | 1                          | 1674.0     | -          | -          |
| 14    | 98.7             | 19                | 3                          | 1566.0     | 1289.0     | 1752.0     |
| 15    | 89.0             | 19                | 3                          | 1290.0     | 1405.0     | 1959.0     |
| 16    | 57.2             | 19                | 1                          | 1164.0     | -          | -          |
| 17    | 76.5             | 19                | 2                          | 1165.0     | 1135.0     | -          |
| 18    | 93.9             | 19                | 3                          | 1888.0     | 1731.0     | 1828.0     |
| 19    | 82.2             | 19                | 2                          | 1175.0     | 1091.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_21

Number of Bursts in Trial: 8

Chirp Center Frequency: 5327MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 59.2             | 5                 | 1                          | 1307.0     | -          | -          |
| 2     | 61.0             | 5                 | 1                          | 1389.0     | -          | -          |
| 3     | 82.6             | 5                 | 2                          | 1047.0     | 1637.0     | -          |
| 4     | 99.3             | 5                 | 3                          | 1408.0     | 1760.0     | 1901.0     |
| 5     | 98.3             | 5                 | 3                          | 1996.0     | 1039.0     | 1104.0     |
| 6     | 63.5             | 5                 | 1                          | 1596.0     | -          | -          |
| 7     | 84.5             | 5                 | 3                          | 1115.0     | 1930.0     | 1864.0     |
| 8     | 60.1             | 5                 | 1                          | 1328.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_22

Number of Bursts in Trial: 9

Chirp Center Frequency: 5326MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 88.5             | 6                 | 3                          | 1648.0     | 1627.0     | 1496.0     |
| 2     | 63.0             | 6                 | 1                          | 1001.0     | -          | -          |
| 3     | 82.8             | 6                 | 2                          | 1868.0     | 1006.0     | -          |
| 4     | 86.4             | 6                 | 3                          | 1657.0     | 1044.0     | 1709.0     |
| 5     | 92.7             | 6                 | 3                          | 1644.0     | 1916.0     | 1527.0     |
| 6     | 57.1             | 6                 | 1                          | 1420.0     | -          | -          |
| 7     | 72.0             | 6                 | 2                          | 1092.0     | 1192.0     | -          |
| 8     | 52.8             | 6                 | 1                          | 1335.0     | -          | -          |
| 9     | 60.1             | 6                 | 1                          | 1137.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_23

Number of Bursts in Trial: 19

Chirp Center Frequency: 5321MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 92.0             | 19                | 3                          | 1858.0     | 1601.0     | 1189.0     |
| 2     | 51.4             | 19                | 1                          | 1331.0     | -          | -          |
| 3     | 77.7             | 19                | 2                          | 1517.0     | 1834.0     | -          |
| 4     | 55.3             | 19                | 1                          | 1397.0     | -          | -          |
| 5     | 79.6             | 19                | 2                          | 1992.0     | 1205.0     | -          |
| 6     | 63.9             | 19                | 1                          | 1588.0     | -          | -          |
| 7     | 61.9             | 19                | 1                          | 1439.0     | -          | -          |
| 8     | 96.2             | 19                | 3                          | 1889.0     | 1193.0     | 1938.0     |
| 9     | 66.7             | 19                | 2                          | 1853.0     | 1418.0     | -          |
| 10    | 95.6             | 19                | 3                          | 1761.0     | 1592.0     | 1263.0     |
| 11    | 76.1             | 19                | 2                          | 1585.0     | 1950.0     | -          |
| 12    | 94.8             | 19                | 3                          | 1387.0     | 1336.0     | 1550.0     |
| 13    | 97.9             | 19                | 3                          | 1807.0     | 1138.0     | 1661.0     |
| 14    | 64.0             | 19                | 1                          | 1038.0     | -          | -          |
| 15    | 72.2             | 19                | 2                          | 1790.0     | 1882.0     | -          |
| 16    | 72.6             | 19                | 2                          | 1736.0     | 1383.0     | -          |
| 17    | 77.6             | 19                | 2                          | 1244.0     | 1641.0     | -          |
| 18    | 91.1             | 19                | 3                          | 1299.0     | 1406.0     | 1056.0     |
| 19    | 93.7             | 19                | 3                          | 1964.0     | 1718.0     | 1053.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_24

Number of Bursts in Trial: 18

Chirp Center Frequency: 5322MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 80.4             | 18                | 2                          | 1735.0     | 1046.0     | -          |
| 2     | 77.2             | 18                | 2                          | 1662.0     | 1359.0     | -          |
| 3     | 63.7             | 18                | 1                          | 1341.0     | -          | -          |
| 4     | 71.3             | 18                | 2                          | 1346.0     | 1883.0     | -          |
| 5     | 92.1             | 18                | 3                          | 1069.0     | 1033.0     | 1417.0     |
| 6     | 74.5             | 18                | 2                          | 1986.0     | 1730.0     | -          |
| 7     | 69.7             | 18                | 2                          | 1988.0     | 1547.0     | -          |
| 8     | 74.0             | 18                | 2                          | 1612.0     | 1285.0     | -          |
| 9     | 65.0             | 18                | 1                          | 1415.0     | -          | -          |
| 10    | 84.2             | 18                | 3                          | 1556.0     | 1030.0     | 1664.0     |
| 11    | 93.1             | 18                | 3                          | 1148.0     | 1160.0     | 1259.0     |
| 12    | 97.1             | 18                | 3                          | 1062.0     | 1372.0     | 1392.0     |
| 13    | 92.0             | 18                | 3                          | 1933.0     | 1970.0     | 1685.0     |
| 14    | 95.8             | 18                | 3                          | 1967.0     | 1875.0     | 1112.0     |
| 15    | 78.9             | 18                | 2                          | 1983.0     | 1903.0     | -          |
| 16    | 65.2             | 18                | 1                          | 1814.0     | -          | -          |
| 17    | 75.0             | 18                | 2                          | 1146.0     | 1142.0     | -          |
| 18    | 66.2             | 18                | 1                          | 1577.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_25

Number of Bursts in Trial: 18

Chirp Center Frequency: 5322MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 76.8             | 18                | 2                          | 1284.0     | 1792.0     | -          |
| 2     | 79.7             | 18                | 2                          | 1364.0     | 1276.0     | -          |
| 3     | 97.1             | 18                | 3                          | 1861.0     | 1759.0     | 1260.0     |
| 4     | 70.7             | 18                | 2                          | 1937.0     | 1744.0     | -          |
| 5     | 53.1             | 18                | 1                          | 1017.0     | -          | -          |
| 6     | 81.5             | 18                | 2                          | 1184.0     | 1072.0     | -          |
| 7     | 68.0             | 18                | 2                          | 1360.0     | 1332.0     | -          |
| 8     | 58.4             | 18                | 1                          | 1306.0     | -          | -          |
| 9     | 65.4             | 18                | 1                          | 1234.0     | -          | -          |
| 10    | 90.7             | 18                | 3                          | 1207.0     | 1147.0     | 1603.0     |
| 11    | 99.1             | 18                | 3                          | 1900.0     | 1746.0     | 1252.0     |
| 12    | 60.6             | 18                | 1                          | 1684.0     | -          | -          |
| 13    | 63.8             | 18                | 1                          | 1616.0     | -          | -          |
| 14    | 65.1             | 18                | 1                          | 1382.0     | -          | -          |
| 15    | 66.0             | 18                | 1                          | 1829.0     | -          | -          |
| 16    | 78.4             | 18                | 2                          | 1512.0     | 1940.0     | -          |
| 17    | 72.5             | 18                | 2                          | 1430.0     | 1701.0     | -          |
| 18    | 82.9             | 18                | 2                          | 1010.0     | 1066.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_26

Number of Bursts in Trial: 14

Chirp Center Frequency: 5324MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 78.2             | 13                | 2                          | 1227.0     | 1352.0     | -          |
| 2     | 80.1             | 13                | 2                          | 1872.0     | 1680.0     | -          |
| 3     | 85.6             | 13                | 3                          | 1545.0     | 1105.0     | 1399.0     |
| 4     | 80.9             | 13                | 2                          | 1633.0     | 1129.0     | -          |
| 5     | 59.9             | 13                | 1                          | 1145.0     | -          | -          |
| 6     | 90.0             | 13                | 3                          | 1059.0     | 1978.0     | 1859.0     |
| 7     | 96.9             | 13                | 3                          | 1407.0     | 1480.0     | 1747.0     |
| 8     | 62.0             | 13                | 1                          | 1885.0     | -          | -          |
| 9     | 73.7             | 13                | 2                          | 1852.0     | 1696.0     | -          |
| 10    | 98.5             | 13                | 3                          | 1063.0     | 1088.0     | 1168.0     |
| 11    | 84.1             | 13                | 3                          | 1157.0     | 1198.0     | 1212.0     |
| 12    | 99.0             | 13                | 3                          | 1245.0     | 1784.0     | 1422.0     |
| 13    | 69.0             | 13                | 2                          | 1515.0     | 1991.0     | -          |
| 14    | 98.8             | 13                | 3                          | 1237.0     | 1554.0     | 1705.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_27

Number of Bursts in Trial: 15

Chirp Center Frequency: 5323MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 97.3             | 14                | 3                          | 1384.0     | 1434.0     | 1843.0     |
| 2     | 56.4             | 14                | 1                          | 1170.0     | -          | -          |
| 3     | 50.7             | 14                | 1                          | 1049.0     | -          | -          |
| 4     | 61.4             | 14                | 1                          | 1777.0     | -          | -          |
| 5     | 96.6             | 14                | 3                          | 1626.0     | 1821.0     | 1643.0     |
| 6     | 59.7             | 14                | 1                          | 1280.0     | -          | -          |
| 7     | 74.1             | 14                | 2                          | 1918.0     | 1845.0     | -          |
| 8     | 82.3             | 14                | 2                          | 1435.0     | 1640.0     | -          |
| 9     | 53.3             | 14                | 1                          | 1127.0     | -          | -          |
| 10    | 83.6             | 14                | 3                          | 1235.0     | 1489.0     | 1721.0     |
| 11    | 59.1             | 14                | 1                          | 1884.0     | -          | -          |
| 12    | 79.0             | 14                | 2                          | 1451.0     | 1613.0     | -          |
| 13    | 75.0             | 14                | 2                          | 1239.0     | 1989.0     | -          |
| 14    | 54.3             | 14                | 1                          | 1481.0     | -          | -          |
| 15    | 70.3             | 14                | 2                          | 1783.0     | 1334.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_28

Number of Bursts in Trial: 14

Chirp Center Frequency: 5324MHz

| Burst | Pulse Width<br>(us) | Chirp Width<br>(MHz) | Number of<br>Pulses per<br>Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------------|----------------------------------|------------|------------|------------|
| 1     | 78.0                | 13                   | 2                                | 1786.0     | 1231.0     | -          |
| 2     | 81.1                | 13                   | 2                                | 1377.0     | 1019.0     | -          |
| 3     | 63.6                | 13                   | 1                                | 1083.0     | -          | -          |
| 4     | 73.2                | 13                   | 2                                | 1048.0     | 1878.0     | -          |
| 5     | 96.0                | 13                   | 3                                | 1555.0     | 1704.0     | 1130.0     |
| 6     | 87.0                | 13                   | 3                                | 1492.0     | 1523.0     | 1526.0     |
| 7     | 94.9                | 13                   | 3                                | 1487.0     | 1218.0     | 1865.0     |
| 8     | 80.6                | 13                   | 2                                | 1278.0     | 1570.0     | -          |
| 9     | 96.0                | 13                   | 3                                | 1183.0     | 1531.0     | 1956.0     |
| 10    | 69.8                | 13                   | 2                                | 1467.0     | 1081.0     | -          |
| 11    | 57.1                | 13                   | 1                                | 1354.0     | -          | -          |
| 12    | 73.8                | 13                   | 2                                | 1646.0     | 1196.0     | -          |
| 13    | 91.2                | 13                   | 3                                | 1711.0     | 1410.0     | 1078.0     |
| 14    | 57.8                | 13                   | 1                                | 1742.0     | -          | -          |



Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_29

Number of Bursts in Trial: 20

Chirp Center Frequency: 5321MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 69.6             | 20                | 2                          | 1161.0     | 1162.0     | -          |
| 2     | 74.4             | 20                | 2                          | 1607.0     | 1272.0     | -          |
| 3     | 66.4             | 20                | 1                          | 1866.0     | -          | -          |
| 4     | 71.7             | 20                | 2                          | 1089.0     | 1470.0     | -          |
| 5     | 50.2             | 20                | 1                          | 1503.0     | -          | -          |
| 6     | 63.4             | 20                | 1                          | 1762.0     | -          | -          |
| 7     | 57.4             | 20                | 1                          | 1595.0     | -          | -          |
| 8     | 64.3             | 20                | 1                          | 1003.0     | -          | -          |
| 9     | 54.6             | 20                | 1                          | 1476.0     | -          | -          |
| 10    | 81.9             | 20                | 2                          | 1154.0     | 1488.0     | -          |
| 11    | 62.8             | 20                | 1                          | 1942.0     | -          | -          |
| 12    | 58.8             | 20                | 1                          | 1825.0     | -          | -          |
| 13    | 96.0             | 20                | 3                          | 1173.0     | 1116.0     | 1095.0     |
| 14    | 76.8             | 20                | 2                          | 1024.0     | 1210.0     | -          |
| 15    | 51.9             | 20                | 1                          | 1463.0     | -          | -          |
| 16    | 71.7             | 20                | 2                          | 1286.0     | 1121.0     | -          |
| 17    | 80.9             | 20                | 2                          | 1756.0     | 1398.0     | -          |
| 18    | 64.9             | 20                | 1                          | 1805.0     | -          | -          |
| 19    | 92.5             | 20                | 3                          | 1801.0     | 1367.0     | 1594.0     |
| 20    | 91.7             | 20                | 3                          | 1559.0     | 1620.0     | 1122.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_30

Number of Bursts in Trial: 14

Chirp Center Frequency: 5324MHz

| Burst | Pulse Width<br>(us) | Chirp Width<br>(MHz) | Number of<br>Pulses per<br>Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------------|----------------------------------|------------|------------|------------|
| 1     | 95.8                | 13                   | 3                                | 1915.0     | 1214.0     | 1551.0     |
| 2     | 67.3                | 13                   | 2                                | 1979.0     | 1128.0     | -          |
| 3     | 70.5                | 13                   | 2                                | 1920.0     | 1339.0     | -          |
| 4     | 75.7                | 13                   | 2                                | 1000.0     | 1734.0     | -          |
| 5     | 73.0                | 13                   | 2                                | 1149.0     | 1591.0     | -          |
| 6     | 61.8                | 13                   | 1                                | 1681.0     | -          | -          |
| 7     | 52.4                | 13                   | 1                                | 1567.0     | -          | -          |
| 8     | 75.8                | 13                   | 2                                | 2000.0     | 1886.0     | -          |
| 9     | 54.8                | 13                   | 1                                | 1117.0     | -          | -          |
| 10    | 91.6                | 13                   | 3                                | 1233.0     | 1004.0     | 1413.0     |
| 11    | 89.5                | 13                   | 3                                | 1416.0     | 1329.0     | 1007.0     |
| 12    | 86.0                | 13                   | 3                                | 1614.0     | 1557.0     | 1822.0     |
| 13    | 83.0                | 13                   | 2                                | 1863.0     | 1282.0     | -          |
| 14    | 74.4                | 13                   | 2                                | 1269.0     | 1617.0     | -          |

| Type 6 Radar Statistical Performances |                  |                    |            |                         |
|---------------------------------------|------------------|--------------------|------------|-------------------------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Detection               |
| 1                                     | 9                | 1                  | 333.3      | Yes                     |
| 2                                     | 9                | 1                  | 333.3      | Yes                     |
| 3                                     | 9                | 1                  | 333.3      | Yes                     |
| 4                                     | 9                | 1                  | 333.3      | Yes                     |
| 5                                     | 9                | 1                  | 333.3      | Yes                     |
| 6                                     | 9                | 1                  | 333.3      | Yes                     |
| 7                                     | 9                | 1                  | 333.3      | Yes                     |
| 8                                     | 9                | 1                  | 333.3      | Yes                     |
| 9                                     | 9                | 1                  | 333.3      | Yes                     |
| 10                                    | 9                | 1                  | 333.3      | Yes                     |
| 11                                    | 9                | 1                  | 333.3      | Yes                     |
| 12                                    | 9                | 1                  | 333.3      | Yes                     |
| 13                                    | 9                | 1                  | 333.3      | Yes                     |
| 14                                    | 9                | 1                  | 333.3      | Yes                     |
| 15                                    | 9                | 1                  | 333.3      | Yes                     |
| 16                                    | 9                | 1                  | 333.3      | Yes                     |
| 17                                    | 9                | 1                  | 333.3      | Yes                     |
| 18                                    | 9                | 1                  | 333.3      | Yes                     |
| 19                                    | 9                | 1                  | 333.3      | Yes                     |
| 20                                    | 9                | 1                  | 333.3      | Yes                     |
| 21                                    | 9                | 1                  | 333.3      | Yes                     |
| 22                                    | 9                | 1                  | 333.3      | Yes                     |
| 23                                    | 9                | 1                  | 333.3      | Yes                     |
| 24                                    | 9                | 1                  | 333.3      | Yes                     |
| 25                                    | 9                | 1                  | 333.3      | Yes                     |
| 26                                    | 9                | 1                  | 333.3      | Yes                     |
| 27                                    | 9                | 1                  | 333.3      | Yes                     |
| 28                                    | 9                | 1                  | 333.3      | Yes                     |
| 29                                    | 9                | 1                  | 333.3      | Yes                     |
| 30                                    | 9                | 1                  | 333.3      | Yes                     |
|                                       |                  |                    |            | Detection Rate: 100.0 % |

| Type 6 Radar Statistical Performances |                                 |                         |
|---------------------------------------|---------------------------------|-------------------------|
| Trial #                               | Hopping Frequency Sequence Name | Detection               |
| 1                                     | HOP_FREQ_SEQ_01                 | Yes                     |
| 2                                     | HOP_FREQ_SEQ_02                 | Yes                     |
| 3                                     | HOP_FREQ_SEQ_03                 | Yes                     |
| 4                                     | HOP_FREQ_SEQ_04                 | Yes                     |
| 5                                     | HOP_FREQ_SEQ_05                 | Yes                     |
| 6                                     | HOP_FREQ_SEQ_06                 | Yes                     |
| 7                                     | HOP_FREQ_SEQ_07                 | Yes                     |
| 8                                     | HOP_FREQ_SEQ_08                 | Yes                     |
| 9                                     | HOP_FREQ_SEQ_09                 | Yes                     |
| 10                                    | HOP_FREQ_SEQ_10                 | Yes                     |
| 11                                    | HOP_FREQ_SEQ_11                 | Yes                     |
| 12                                    | HOP_FREQ_SEQ_12                 | Yes                     |
| 13                                    | HOP_FREQ_SEQ_13                 | Yes                     |
| 14                                    | HOP_FREQ_SEQ_14                 | Yes                     |
| 15                                    | HOP_FREQ_SEQ_15                 | Yes                     |
| 16                                    | HOP_FREQ_SEQ_16                 | Yes                     |
| 17                                    | HOP_FREQ_SEQ_17                 | Yes                     |
| 18                                    | HOP_FREQ_SEQ_18                 | Yes                     |
| 19                                    | HOP_FREQ_SEQ_19                 | Yes                     |
| 20                                    | HOP_FREQ_SEQ_20                 | Yes                     |
| 21                                    | HOP_FREQ_SEQ_21                 | Yes                     |
| 22                                    | HOP_FREQ_SEQ_22                 | Yes                     |
| 23                                    | HOP_FREQ_SEQ_23                 | Yes                     |
| 24                                    | HOP_FREQ_SEQ_24                 | Yes                     |
| 25                                    | HOP_FREQ_SEQ_25                 | Yes                     |
| 26                                    | HOP_FREQ_SEQ_26                 | Yes                     |
| 27                                    | HOP_FREQ_SEQ_27                 | Yes                     |
| 28                                    | HOP_FREQ_SEQ_28                 | Yes                     |
| 29                                    | HOP_FREQ_SEQ_29                 | Yes                     |
| 30                                    | HOP_FREQ_SEQ_30                 | Yes                     |
|                                       |                                 | Detection Rate: 100.0 % |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.603G         | 2    | 5.405G         | 3    | 5.498G         | 4    | 5.670G         |
| 5                                                | 5.630G         | 6    | 5.712G         | 7    | 5.653G         | 8    | 5.285G         |
| 9                                                | 5.399G         | 10   | 5.541G         | 11   | 5.704G         | 12   | 5.323G         |
| 13                                               | 5.532G         | 14   | 5.366G         | 15   | 5.410G         | 16   | 5.581G         |
| 17                                               | 5.612G         | 18   | 5.467G         | 19   | 5.312G         | 20   | 5.554G         |
| 21                                               | 5.520G         | 22   | 5.551G         | 23   | 5.575G         | 24   | 5.448G         |
| 25                                               | 5.414G         | 26   | 5.598G         | 27   | 5.354G         | 28   | 5.708G         |
| 29                                               | 5.332G         | 30   | 5.288G         | 31   | 5.310G         | 32   | 5.456G         |
| 33                                               | 5.397G         | 34   | 5.361G         | 35   | 5.390G         | 36   | 5.380G         |
| 37                                               | 5.620G         | 38   | 5.652G         | 39   | 5.666G         | 40   | 5.457G         |
| 41                                               | 5.296G         | 42   | 5.631G         | 43   | 5.411G         | 44   | 5.470G         |
| 45                                               | 5.526G         | 46   | 5.472G         | 47   | 5.628G         | 48   | 5.375G         |
| 49                                               | 5.649G         | 50   | 5.656G         | 51   | 5.408G         | 52   | 5.393G         |
| 53                                               | 5.514G         | 54   | 5.348G         | 55   | 5.523G         | 56   | 5.709G         |
| 57                                               | 5.311G         | 58   | 5.284G         | 59   | 5.552G         | 60   | 5.427G         |
| 61                                               | 5.255G         | 62   | 5.395G         | 63   | 5.536G         | 64   | 5.626G         |
| 65                                               | 5.389G         | 66   | 5.297G         | 67   | 5.679G         | 68   | 5.545G         |
| 69                                               | 5.496G         | 70   | 5.617G         | 71   | 5.283G         | 72   | 5.508G         |
| 73                                               | 5.299G         | 74   | 5.319G         | 75   | 5.624G         | 76   | 5.440G         |
| 77                                               | 5.677G         | 78   | 5.643G         | 79   | 5.558G         | 80   | 5.252G         |
| 81                                               | 5.671G         | 82   | 5.378G         | 83   | 5.680G         | 84   | 5.547G         |
| 85                                               | 5.683G         | 86   | 5.453G         | 87   | 5.466G         | 88   | 5.471G         |
| 89                                               | 5.548G         | 90   | 5.356G         | 91   | 5.486G         | 92   | 5.684G         |
| 93                                               | 5.669G         | 94   | 5.349G         | 95   | 5.504G         | 96   | 5.641G         |
| 97                                               | 5.495G         | 98   | 5.578G         | 99   | 5.702G         | 100  | 5.706G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.328G         | 2    | 5.655G         | 3    | 5.570G         | 4    | 5.291G         |
| 5                                                | 5.485G         | 6    | 5.342G         | 7    | 5.365G         | 8    | 5.720G         |
| 9                                                | 5.647G         | 10   | 5.264G         | 11   | 5.362G         | 12   | 5.403G         |
| 13                                               | 5.392G         | 14   | 5.284G         | 15   | 5.363G         | 16   | 5.461G         |
| 17                                               | 5.346G         | 18   | 5.381G         | 19   | 5.598G         | 20   | 5.528G         |
| 21                                               | 5.640G         | 22   | 5.315G         | 23   | 5.500G         | 24   | 5.539G         |
| 25                                               | 5.531G         | 26   | 5.459G         | 27   | 5.603G         | 28   | 5.372G         |
| 29                                               | 5.499G         | 30   | 5.263G         | 31   | 5.329G         | 32   | 5.366G         |
| 33                                               | 5.431G         | 34   | 5.586G         | 35   | 5.536G         | 36   | 5.266G         |
| 37                                               | 5.376G         | 38   | 5.654G         | 39   | 5.701G         | 40   | 5.285G         |
| 41                                               | 5.699G         | 42   | 5.327G         | 43   | 5.450G         | 44   | 5.567G         |
| 45                                               | 5.680G         | 46   | 5.581G         | 47   | 5.270G         | 48   | 5.633G         |
| 49                                               | 5.676G         | 50   | 5.353G         | 51   | 5.456G         | 52   | 5.454G         |
| 53                                               | 5.446G         | 54   | 5.532G         | 55   | 5.665G         | 56   | 5.443G         |
| 57                                               | 5.432G         | 58   | 5.371G         | 59   | 5.269G         | 60   | 5.559G         |
| 61                                               | 5.386G         | 62   | 5.535G         | 63   | 5.308G         | 64   | 5.451G         |
| 65                                               | 5.276G         | 66   | 5.718G         | 67   | 5.719G         | 68   | 5.287G         |
| 69                                               | 5.636G         | 70   | 5.292G         | 71   | 5.490G         | 72   | 5.700G         |
| 73                                               | 5.303G         | 74   | 5.569G         | 75   | 5.489G         | 76   | 5.364G         |
| 77                                               | 5.564G         | 78   | 5.335G         | 79   | 5.340G         | 80   | 5.326G         |
| 81                                               | 5.677G         | 82   | 5.375G         | 83   | 5.664G         | 84   | 5.427G         |
| 85                                               | 5.538G         | 86   | 5.509G         | 87   | 5.420G         | 88   | 5.344G         |
| 89                                               | 5.462G         | 90   | 5.682G         | 91   | 5.565G         | 92   | 5.691G         |
| 93                                               | 5.355G         | 94   | 5.687G         | 95   | 5.652G         | 96   | 5.352G         |
| 97                                               | 5.416G         | 98   | 5.286G         | 99   | 5.684G         | 100  | 5.425G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.715G         | 2    | 5.431G         | 3    | 5.262G         | 4    | 5.608G         |
| 5                                                | 5.436G         | 6    | 5.354G         | 7    | 5.555G         | 8    | 5.545G         |
| 9                                                | 5.322G         | 10   | 5.379G         | 11   | 5.513G         | 12   | 5.254G         |
| 13                                               | 5.468G         | 14   | 5.449G         | 15   | 5.470G         | 16   | 5.616G         |
| 17                                               | 5.287G         | 18   | 5.393G         | 19   | 5.560G         | 20   | 5.256G         |
| 21                                               | 5.689G         | 22   | 5.647G         | 23   | 5.707G         | 24   | 5.413G         |
| 25                                               | 5.364G         | 26   | 5.445G         | 27   | 5.485G         | 28   | 5.615G         |
| 29                                               | 5.566G         | 30   | 5.610G         | 31   | 5.359G         | 32   | 5.723G         |
| 33                                               | 5.629G         | 34   | 5.312G         | 35   | 5.296G         | 36   | 5.341G         |
| 37                                               | 5.400G         | 38   | 5.611G         | 39   | 5.475G         | 40   | 5.463G         |
| 41                                               | 5.625G         | 42   | 5.412G         | 43   | 5.573G         | 44   | 5.434G         |
| 45                                               | 5.457G         | 46   | 5.540G         | 47   | 5.264G         | 48   | 5.496G         |
| 49                                               | 5.706G         | 50   | 5.724G         | 51   | 5.597G         | 52   | 5.299G         |
| 53                                               | 5.324G         | 54   | 5.539G         | 55   | 5.455G         | 56   | 5.547G         |
| 57                                               | 5.542G         | 58   | 5.631G         | 59   | 5.367G         | 60   | 5.363G         |
| 61                                               | 5.601G         | 62   | 5.714G         | 63   | 5.590G         | 64   | 5.365G         |
| 65                                               | 5.578G         | 66   | 5.453G         | 67   | 5.416G         | 68   | 5.471G         |
| 69                                               | 5.698G         | 70   | 5.323G         | 71   | 5.605G         | 72   | 5.635G         |
| 73                                               | 5.537G         | 74   | 5.352G         | 75   | 5.339G         | 76   | 5.378G         |
| 77                                               | 5.317G         | 78   | 5.257G         | 79   | 5.717G         | 80   | 5.637G         |
| 81                                               | 5.654G         | 82   | 5.361G         | 83   | 5.511G         | 84   | 5.510G         |
| 85                                               | 5.380G         | 86   | 5.594G         | 87   | 5.699G         | 88   | 5.600G         |
| 89                                               | 5.648G         | 90   | 5.683G         | 91   | 5.671G         | 92   | 5.283G         |
| 93                                               | 5.684G         | 94   | 5.508G         | 95   | 5.337G         | 96   | 5.342G         |
| 97                                               | 5.617G         | 98   | 5.278G         | 99   | 5.398G         | 100  | 5.497G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.267G         | 2    | 5.612G         | 3    | 5.554G         | 4    | 5.569G         |
| 5                                                | 5.698G         | 6    | 5.718G         | 7    | 5.288G         | 8    | 5.716G         |
| 9                                                | 5.621G         | 10   | 5.723G         | 11   | 5.322G         | 12   | 5.511G         |
| 13                                               | 5.570G         | 14   | 5.683G         | 15   | 5.721G         | 16   | 5.530G         |
| 17                                               | 5.508G         | 18   | 5.451G         | 19   | 5.416G         | 20   | 5.521G         |
| 21                                               | 5.501G         | 22   | 5.460G         | 23   | 5.527G         | 24   | 5.699G         |
| 25                                               | 5.363G         | 26   | 5.470G         | 27   | 5.304G         | 28   | 5.623G         |
| 29                                               | 5.453G         | 30   | 5.426G         | 31   | 5.441G         | 32   | 5.579G         |
| 33                                               | 5.398G         | 34   | 5.669G         | 35   | 5.333G         | 36   | 5.468G         |
| 37                                               | 5.557G         | 38   | 5.517G         | 39   | 5.665G         | 40   | 5.610G         |
| 41                                               | 5.448G         | 42   | 5.629G         | 43   | 5.380G         | 44   | 5.262G         |
| 45                                               | 5.597G         | 46   | 5.285G         | 47   | 5.318G         | 48   | 5.266G         |
| 49                                               | 5.270G         | 50   | 5.381G         | 51   | 5.315G         | 52   | 5.401G         |
| 53                                               | 5.463G         | 54   | 5.298G         | 55   | 5.607G         | 56   | 5.700G         |
| 57                                               | 5.711G         | 58   | 5.417G         | 59   | 5.717G         | 60   | 5.360G         |
| 61                                               | 5.429G         | 62   | 5.654G         | 63   | 5.524G         | 64   | 5.496G         |
| 65                                               | 5.445G         | 66   | 5.499G         | 67   | 5.280G         | 68   | 5.386G         |
| 69                                               | 5.351G         | 70   | 5.687G         | 71   | 5.584G         | 72   | 5.356G         |
| 73                                               | 5.661G         | 74   | 5.589G         | 75   | 5.663G         | 76   | 5.657G         |
| 77                                               | 5.478G         | 78   | 5.659G         | 79   | 5.389G         | 80   | 5.513G         |
| 81                                               | 5.555G         | 82   | 5.458G         | 83   | 5.502G         | 84   | 5.420G         |
| 85                                               | 5.549G         | 86   | 5.690G         | 87   | 5.641G         | 88   | 5.648G         |
| 89                                               | 5.452G         | 90   | 5.473G         | 91   | 5.542G         | 92   | 5.588G         |
| 93                                               | 5.632G         | 94   | 5.439G         | 95   | 5.250G         | 96   | 5.348G         |
| 97                                               | 5.466G         | 98   | 5.541G         | 99   | 5.481G         | 100  | 5.562G         |



## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_05

| SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
|------|----------------|------|----------------|------|----------------|------|----------------|
| 1    | 5.538G         | 2    | 5.423G         | 3    | 5.481G         | 4    | 5.307G         |
| 5    | 5.357G         | 6    | 5.593G         | 7    | 5.615G         | 8    | 5.404G         |
| 9    | 5.711G         | 10   | 5.490G         | 11   | 5.550G         | 12   | 5.416G         |
| 13   | 5.519G         | 14   | 5.541G         | 15   | 5.339G         | 16   | 5.612G         |
| 17   | 5.699G         | 18   | 5.653G         | 19   | 5.350G         | 20   | 5.369G         |
| 21   | 5.373G         | 22   | 5.656G         | 23   | 5.672G         | 24   | 5.688G         |
| 25   | 5.403G         | 26   | 5.522G         | 27   | 5.665G         | 28   | 5.675G         |
| 29   | 5.297G         | 30   | 5.402G         | 31   | 5.588G         | 32   | 5.673G         |
| 33   | 5.421G         | 34   | 5.512G         | 35   | 5.537G         | 36   | 5.715G         |
| 37   | 5.299G         | 38   | 5.686G         | 39   | 5.263G         | 40   | 5.679G         |
| 41   | 5.391G         | 42   | 5.313G         | 43   | 5.480G         | 44   | 5.561G         |
| 45   | 5.523G         | 46   | 5.389G         | 47   | 5.692G         | 48   | 5.569G         |
| 49   | 5.556G         | 50   | 5.578G         | 51   | 5.425G         | 52   | 5.517G         |
| 53   | 5.475G         | 54   | 5.532G         | 55   | 5.255G         | 56   | 5.375G         |
| 57   | 5.349G         | 58   | 5.436G         | 59   | 5.424G         | 60   | 5.271G         |
| 61   | 5.390G         | 62   | 5.585G         | 63   | 5.652G         | 64   | 5.486G         |
| 65   | 5.722G         | 66   | 5.280G         | 67   | 5.554G         | 68   | 5.514G         |
| 69   | 5.587G         | 70   | 5.683G         | 71   | 5.321G         | 72   | 5.547G         |
| 73   | 5.590G         | 74   | 5.432G         | 75   | 5.548G         | 76   | 5.657G         |
| 77   | 5.279G         | 78   | 5.693G         | 79   | 5.671G         | 80   | 5.539G         |
| 81   | 5.438G         | 82   | 5.301G         | 83   | 5.544G         | 84   | 5.670G         |
| 85   | 5.346G         | 86   | 5.463G         | 87   | 5.394G         | 88   | 5.567G         |
| 89   | 5.526G         | 90   | 5.434G         | 91   | 5.467G         | 92   | 5.611G         |
| 93   | 5.295G         | 94   | 5.647G         | 95   | 5.602G         | 96   | 5.318G         |
| 97   | 5.714G         | 98   | 5.649G         | 99   | 5.695G         | 100  | 5.630G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.527G         | 2    | 5.604G         | 3    | 5.380G         | 4    | 5.393G         |
| 5                                                | 5.280G         | 6    | 5.665G         | 7    | 5.273G         | 8    | 5.473G         |
| 9                                                | 5.566G         | 10   | 5.647G         | 11   | 5.694G         | 12   | 5.645G         |
| 13                                               | 5.528G         | 14   | 5.359G         | 15   | 5.369G         | 16   | 5.564G         |
| 17                                               | 5.497G         | 18   | 5.669G         | 19   | 5.508G         | 20   | 5.459G         |
| 21                                               | 5.342G         | 22   | 5.563G         | 23   | 5.531G         | 24   | 5.605G         |
| 25                                               | 5.322G         | 26   | 5.436G         | 27   | 5.394G         | 28   | 5.611G         |
| 29                                               | 5.295G         | 30   | 5.441G         | 31   | 5.622G         | 32   | 5.469G         |
| 33                                               | 5.652G         | 34   | 5.638G         | 35   | 5.308G         | 36   | 5.375G         |
| 37                                               | 5.374G         | 38   | 5.309G         | 39   | 5.439G         | 40   | 5.626G         |
| 41                                               | 5.688G         | 42   | 5.345G         | 43   | 5.514G         | 44   | 5.646G         |
| 45                                               | 5.602G         | 46   | 5.666G         | 47   | 5.254G         | 48   | 5.271G         |
| 49                                               | 5.347G         | 50   | 5.470G         | 51   | 5.408G         | 52   | 5.700G         |
| 53                                               | 5.467G         | 54   | 5.480G         | 55   | 5.337G         | 56   | 5.673G         |
| 57                                               | 5.506G         | 58   | 5.417G         | 59   | 5.512G         | 60   | 5.348G         |
| 61                                               | 5.317G         | 62   | 5.621G         | 63   | 5.368G         | 64   | 5.557G         |
| 65                                               | 5.722G         | 66   | 5.266G         | 67   | 5.363G         | 68   | 5.678G         |
| 69                                               | 5.305G         | 70   | 5.485G         | 71   | 5.352G         | 72   | 5.668G         |
| 73                                               | 5.720G         | 74   | 5.509G         | 75   | 5.403G         | 76   | 5.460G         |
| 77                                               | 5.351G         | 78   | 5.556G         | 79   | 5.259G         | 80   | 5.629G         |
| 81                                               | 5.454G         | 82   | 5.723G         | 83   | 5.291G         | 84   | 5.356G         |
| 85                                               | 5.496G         | 86   | 5.681G         | 87   | 5.376G         | 88   | 5.689G         |
| 89                                               | 5.461G         | 90   | 5.711G         | 91   | 5.381G         | 92   | 5.279G         |
| 93                                               | 5.267G         | 94   | 5.533G         | 95   | 5.367G         | 96   | 5.361G         |
| 97                                               | 5.468G         | 98   | 5.389G         | 99   | 5.261G         | 100  | 5.357G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.273G         | 2    | 5.275G         | 3    | 5.630G         | 4    | 5.277G         |
| 5                                                | 5.532G         | 6    | 5.396G         | 7    | 5.342G         | 8    | 5.379G         |
| 9                                                | 5.283G         | 10   | 5.475G         | 11   | 5.423G         | 12   | 5.571G         |
| 13                                               | 5.516G         | 14   | 5.382G         | 15   | 5.467G         | 16   | 5.429G         |
| 17                                               | 5.537G         | 18   | 5.386G         | 19   | 5.678G         | 20   | 5.544G         |
| 21                                               | 5.657G         | 22   | 5.527G         | 23   | 5.340G         | 24   | 5.470G         |
| 25                                               | 5.440G         | 26   | 5.332G         | 27   | 5.406G         | 28   | 5.373G         |
| 29                                               | 5.299G         | 30   | 5.385G         | 31   | 5.314G         | 32   | 5.255G         |
| 33                                               | 5.503G         | 34   | 5.507G         | 35   | 5.335G         | 36   | 5.476G         |
| 37                                               | 5.310G         | 38   | 5.383G         | 39   | 5.337G         | 40   | 5.518G         |
| 41                                               | 5.464G         | 42   | 5.674G         | 43   | 5.560G         | 44   | 5.322G         |
| 45                                               | 5.631G         | 46   | 5.446G         | 47   | 5.270G         | 48   | 5.708G         |
| 49                                               | 5.590G         | 50   | 5.365G         | 51   | 5.591G         | 52   | 5.706G         |
| 53                                               | 5.318G         | 54   | 5.402G         | 55   | 5.703G         | 56   | 5.662G         |
| 57                                               | 5.457G         | 58   | 5.414G         | 59   | 5.278G         | 60   | 5.308G         |
| 61                                               | 5.569G         | 62   | 5.407G         | 63   | 5.426G         | 64   | 5.376G         |
| 65                                               | 5.321G         | 66   | 5.384G         | 67   | 5.381G         | 68   | 5.542G         |
| 69                                               | 5.558G         | 70   | 5.472G         | 71   | 5.684G         | 72   | 5.553G         |
| 73                                               | 5.306G         | 74   | 5.401G         | 75   | 5.715G         | 76   | 5.458G         |
| 77                                               | 5.575G         | 78   | 5.654G         | 79   | 5.352G         | 80   | 5.671G         |
| 81                                               | 5.710G         | 82   | 5.479G         | 83   | 5.690G         | 84   | 5.297G         |
| 85                                               | 5.528G         | 86   | 5.276G         | 87   | 5.368G         | 88   | 5.585G         |
| 89                                               | 5.596G         | 90   | 5.353G         | 91   | 5.681G         | 92   | 5.442G         |
| 93                                               | 5.266G         | 94   | 5.268G         | 95   | 5.291G         | 96   | 5.615G         |
| 97                                               | 5.416G         | 98   | 5.699G         | 99   | 5.663G         | 100  | 5.293G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.706G         | 2    | 5.662G         | 3    | 5.360G         | 4    | 5.585G         |
| 5                                                | 5.609G         | 6    | 5.471G         | 7    | 5.569G         | 8    | 5.485G         |
| 9                                                | 5.292G         | 10   | 5.673G         | 11   | 5.486G         | 12   | 5.626G         |
| 13                                               | 5.430G         | 14   | 5.563G         | 15   | 5.659G         | 16   | 5.287G         |
| 17                                               | 5.687G         | 18   | 5.719G         | 19   | 5.616G         | 20   | 5.668G         |
| 21                                               | 5.621G         | 22   | 5.591G         | 23   | 5.329G         | 24   | 5.558G         |
| 25                                               | 5.540G         | 26   | 5.623G         | 27   | 5.393G         | 28   | 5.712G         |
| 29                                               | 5.689G         | 30   | 5.370G         | 31   | 5.451G         | 32   | 5.545G         |
| 33                                               | 5.448G         | 34   | 5.394G         | 35   | 5.588G         | 36   | 5.633G         |
| 37                                               | 5.561G         | 38   | 5.418G         | 39   | 5.522G         | 40   | 5.707G         |
| 41                                               | 5.480G         | 42   | 5.414G         | 43   | 5.491G         | 44   | 5.312G         |
| 45                                               | 5.704G         | 46   | 5.317G         | 47   | 5.291G         | 48   | 5.319G         |
| 49                                               | 5.321G         | 50   | 5.681G         | 51   | 5.273G         | 52   | 5.473G         |
| 53                                               | 5.547G         | 54   | 5.457G         | 55   | 5.404G         | 56   | 5.456G         |
| 57                                               | 5.296G         | 58   | 5.299G         | 59   | 5.358G         | 60   | 5.684G         |
| 61                                               | 5.705G         | 62   | 5.581G         | 63   | 5.355G         | 64   | 5.592G         |
| 65                                               | 5.575G         | 66   | 5.436G         | 67   | 5.284G         | 68   | 5.381G         |
| 69                                               | 5.542G         | 70   | 5.388G         | 71   | 5.267G         | 72   | 5.254G         |
| 73                                               | 5.643G         | 74   | 5.257G         | 75   | 5.618G         | 76   | 5.332G         |
| 77                                               | 5.560G         | 78   | 5.647G         | 79   | 5.362G         | 80   | 5.677G         |
| 81                                               | 5.670G         | 82   | 5.651G         | 83   | 5.656G         | 84   | 5.425G         |
| 85                                               | 5.584G         | 86   | 5.612G         | 87   | 5.379G         | 88   | 5.368G         |
| 89                                               | 5.600G         | 90   | 5.489G         | 91   | 5.657G         | 92   | 5.357G         |
| 93                                               | 5.263G         | 94   | 5.277G         | 95   | 5.583G         | 96   | 5.555G         |
| 97                                               | 5.307G         | 98   | 5.658G         | 99   | 5.286G         | 100  | 5.487G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.358G         | 2    | 5.423G         | 3    | 5.255G         | 4    | 5.380G         |
| 5                                                | 5.477G         | 6    | 5.387G         | 7    | 5.724G         | 8    | 5.629G         |
| 9                                                | 5.466G         | 10   | 5.254G         | 11   | 5.611G         | 12   | 5.379G         |
| 13                                               | 5.395G         | 14   | 5.702G         | 15   | 5.508G         | 16   | 5.543G         |
| 17                                               | 5.261G         | 18   | 5.360G         | 19   | 5.696G         | 20   | 5.411G         |
| 21                                               | 5.394G         | 22   | 5.460G         | 23   | 5.592G         | 24   | 5.528G         |
| 25                                               | 5.692G         | 26   | 5.449G         | 27   | 5.281G         | 28   | 5.285G         |
| 29                                               | 5.279G         | 30   | 5.558G         | 31   | 5.348G         | 32   | 5.496G         |
| 33                                               | 5.418G         | 34   | 5.647G         | 35   | 5.661G         | 36   | 5.517G         |
| 37                                               | 5.607G         | 38   | 5.359G         | 39   | 5.636G         | 40   | 5.650G         |
| 41                                               | 5.559G         | 42   | 5.642G         | 43   | 5.713G         | 44   | 5.274G         |
| 45                                               | 5.322G         | 46   | 5.604G         | 47   | 5.667G         | 48   | 5.674G         |
| 49                                               | 5.564G         | 50   | 5.414G         | 51   | 5.627G         | 52   | 5.489G         |
| 53                                               | 5.431G         | 54   | 5.298G         | 55   | 5.439G         | 56   | 5.353G         |
| 57                                               | 5.339G         | 58   | 5.398G         | 59   | 5.457G         | 60   | 5.497G         |
| 61                                               | 5.511G         | 62   | 5.390G         | 63   | 5.710G         | 64   | 5.407G         |
| 65                                               | 5.334G         | 66   | 5.609G         | 67   | 5.665G         | 68   | 5.263G         |
| 69                                               | 5.706G         | 70   | 5.259G         | 71   | 5.484G         | 72   | 5.479G         |
| 73                                               | 5.381G         | 74   | 5.693G         | 75   | 5.341G         | 76   | 5.351G         |
| 77                                               | 5.614G         | 78   | 5.566G         | 79   | 5.422G         | 80   | 5.475G         |
| 81                                               | 5.467G         | 82   | 5.386G         | 83   | 5.492G         | 84   | 5.705G         |
| 85                                               | 5.504G         | 86   | 5.399G         | 87   | 5.286G         | 88   | 5.610G         |
| 89                                               | 5.267G         | 90   | 5.670G         | 91   | 5.646G         | 92   | 5.265G         |
| 93                                               | 5.486G         | 94   | 5.635G         | 95   | 5.615G         | 96   | 5.608G         |
| 97                                               | 5.633G         | 98   | 5.514G         | 99   | 5.723G         | 100  | 5.372G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.597G         | 2    | 5.266G         | 3    | 5.337G         | 4    | 5.578G         |
| 5                                                | 5.512G         | 6    | 5.712G         | 7    | 5.553G         | 8    | 5.671G         |
| 9                                                | 5.628G         | 10   | 5.713G         | 11   | 5.392G         | 12   | 5.346G         |
| 13                                               | 5.681G         | 14   | 5.520G         | 15   | 5.356G         | 16   | 5.488G         |
| 17                                               | 5.257G         | 18   | 5.393G         | 19   | 5.458G         | 20   | 5.605G         |
| 21                                               | 5.297G         | 22   | 5.287G         | 23   | 5.637G         | 24   | 5.710G         |
| 25                                               | 5.505G         | 26   | 5.549G         | 27   | 5.455G         | 28   | 5.385G         |
| 29                                               | 5.344G         | 30   | 5.402G         | 31   | 5.534G         | 32   | 5.452G         |
| 33                                               | 5.404G         | 34   | 5.461G         | 35   | 5.363G         | 36   | 5.322G         |
| 37                                               | 5.309G         | 38   | 5.638G         | 39   | 5.299G         | 40   | 5.445G         |
| 41                                               | 5.368G         | 42   | 5.288G         | 43   | 5.624G         | 44   | 5.516G         |
| 45                                               | 5.298G         | 46   | 5.548G         | 47   | 5.694G         | 48   | 5.685G         |
| 49                                               | 5.716G         | 50   | 5.500G         | 51   | 5.618G         | 52   | 5.431G         |
| 53                                               | 5.286G         | 54   | 5.547G         | 55   | 5.328G         | 56   | 5.351G         |
| 57                                               | 5.595G         | 58   | 5.253G         | 59   | 5.723G         | 60   | 5.350G         |
| 61                                               | 5.613G         | 62   | 5.542G         | 63   | 5.325G         | 64   | 5.255G         |
| 65                                               | 5.433G         | 66   | 5.469G         | 67   | 5.539G         | 68   | 5.420G         |
| 69                                               | 5.487G         | 70   | 5.345G         | 71   | 5.634G         | 72   | 5.483G         |
| 73                                               | 5.606G         | 74   | 5.722G         | 75   | 5.399G         | 76   | 5.386G         |
| 77                                               | 5.342G         | 78   | 5.459G         | 79   | 5.689G         | 80   | 5.658G         |
| 81                                               | 5.599G         | 82   | 5.557G         | 83   | 5.478G         | 84   | 5.477G         |
| 85                                               | 5.603G         | 86   | 5.473G         | 87   | 5.410G         | 88   | 5.540G         |
| 89                                               | 5.446G         | 90   | 5.443G         | 91   | 5.623G         | 92   | 5.550G         |
| 93                                               | 5.616G         | 94   | 5.670G         | 95   | 5.376G         | 96   | 5.341G         |
| 97                                               | 5.412G         | 98   | 5.596G         | 99   | 5.693G         | 100  | 5.347G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.481G         | 2    | 5.267G         | 3    | 5.677G         | 4    | 5.358G         |
| 5                                                | 5.424G         | 6    | 5.457G         | 7    | 5.486G         | 8    | 5.285G         |
| 9                                                | 5.455G         | 10   | 5.632G         | 11   | 5.637G         | 12   | 5.679G         |
| 13                                               | 5.534G         | 14   | 5.651G         | 15   | 5.341G         | 16   | 5.376G         |
| 17                                               | 5.580G         | 18   | 5.705G         | 19   | 5.505G         | 20   | 5.438G         |
| 21                                               | 5.610G         | 22   | 5.606G         | 23   | 5.682G         | 24   | 5.578G         |
| 25                                               | 5.627G         | 26   | 5.674G         | 27   | 5.410G         | 28   | 5.370G         |
| 29                                               | 5.631G         | 30   | 5.475G         | 31   | 5.514G         | 32   | 5.694G         |
| 33                                               | 5.405G         | 34   | 5.555G         | 35   | 5.659G         | 36   | 5.420G         |
| 37                                               | 5.533G         | 38   | 5.575G         | 39   | 5.508G         | 40   | 5.266G         |
| 41                                               | 5.471G         | 42   | 5.657G         | 43   | 5.392G         | 44   | 5.339G         |
| 45                                               | 5.562G         | 46   | 5.348G         | 47   | 5.497G         | 48   | 5.278G         |
| 49                                               | 5.628G         | 50   | 5.643G         | 51   | 5.292G         | 52   | 5.528G         |
| 53                                               | 5.595G         | 54   | 5.450G         | 55   | 5.461G         | 56   | 5.387G         |
| 57                                               | 5.665G         | 58   | 5.257G         | 59   | 5.454G         | 60   | 5.301G         |
| 61                                               | 5.540G         | 62   | 5.571G         | 63   | 5.391G         | 64   | 5.568G         |
| 65                                               | 5.343G         | 66   | 5.347G         | 67   | 5.565G         | 68   | 5.718G         |
| 69                                               | 5.646G         | 70   | 5.488G         | 71   | 5.608G         | 72   | 5.710G         |
| 73                                               | 5.569G         | 74   | 5.377G         | 75   | 5.408G         | 76   | 5.572G         |
| 77                                               | 5.626G         | 78   | 5.666G         | 79   | 5.412G         | 80   | 5.284G         |
| 81                                               | 5.473G         | 82   | 5.459G         | 83   | 5.402G         | 84   | 5.416G         |
| 85                                               | 5.480G         | 86   | 5.525G         | 87   | 5.413G         | 88   | 5.519G         |
| 89                                               | 5.375G         | 90   | 5.602G         | 91   | 5.640G         | 92   | 5.478G         |
| 93                                               | 5.418G         | 94   | 5.653G         | 95   | 5.681G         | 96   | 5.421G         |
| 97                                               | 5.638G         | 98   | 5.714G         | 99   | 5.536G         | 100  | 5.673G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.585G         | 2    | 5.257G         | 3    | 5.621G         | 4    | 5.720G         |
| 5                                                | 5.611G         | 6    | 5.538G         | 7    | 5.556G         | 8    | 5.427G         |
| 9                                                | 5.657G         | 10   | 5.628G         | 11   | 5.508G         | 12   | 5.367G         |
| 13                                               | 5.291G         | 14   | 5.341G         | 15   | 5.300G         | 16   | 5.485G         |
| 17                                               | 5.630G         | 18   | 5.648G         | 19   | 5.697G         | 20   | 5.378G         |
| 21                                               | 5.386G         | 22   | 5.711G         | 23   | 5.584G         | 24   | 5.350G         |
| 25                                               | 5.365G         | 26   | 5.337G         | 27   | 5.501G         | 28   | 5.272G         |
| 29                                               | 5.463G         | 30   | 5.420G         | 31   | 5.668G         | 32   | 5.283G         |
| 33                                               | 5.323G         | 34   | 5.640G         | 35   | 5.629G         | 36   | 5.502G         |
| 37                                               | 5.612G         | 38   | 5.329G         | 39   | 5.469G         | 40   | 5.701G         |
| 41                                               | 5.588G         | 42   | 5.295G         | 43   | 5.418G         | 44   | 5.683G         |
| 45                                               | 5.315G         | 46   | 5.573G         | 47   | 5.517G         | 48   | 5.592G         |
| 49                                               | 5.387G         | 50   | 5.311G         | 51   | 5.595G         | 52   | 5.580G         |
| 53                                               | 5.445G         | 54   | 5.381G         | 55   | 5.318G         | 56   | 5.523G         |
| 57                                               | 5.271G         | 58   | 5.705G         | 59   | 5.712G         | 60   | 5.669G         |
| 61                                               | 5.715G         | 62   | 5.507G         | 63   | 5.623G         | 64   | 5.491G         |
| 65                                               | 5.515G         | 66   | 5.604G         | 67   | 5.267G         | 68   | 5.368G         |
| 69                                               | 5.625G         | 70   | 5.714G         | 71   | 5.581G         | 72   | 5.407G         |
| 73                                               | 5.665G         | 74   | 5.475G         | 75   | 5.616G         | 76   | 5.276G         |
| 77                                               | 5.474G         | 78   | 5.716G         | 79   | 5.423G         | 80   | 5.302G         |
| 81                                               | 5.410G         | 82   | 5.496G         | 83   | 5.471G         | 84   | 5.413G         |
| 85                                               | 5.339G         | 86   | 5.565G         | 87   | 5.266G         | 88   | 5.352G         |
| 89                                               | 5.521G         | 90   | 5.275G         | 91   | 5.652G         | 92   | 5.653G         |
| 93                                               | 5.601G         | 94   | 5.593G         | 95   | 5.681G         | 96   | 5.656G         |
| 97                                               | 5.476G         | 98   | 5.498G         | 99   | 5.348G         | 100  | 5.446G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.303G         | 2    | 5.525G         | 3    | 5.524G         | 4    | 5.392G         |
| 5                                                | 5.396G         | 6    | 5.518G         | 7    | 5.534G         | 8    | 5.685G         |
| 9                                                | 5.573G         | 10   | 5.406G         | 11   | 5.468G         | 12   | 5.389G         |
| 13                                               | 5.492G         | 14   | 5.341G         | 15   | 5.585G         | 16   | 5.540G         |
| 17                                               | 5.323G         | 18   | 5.653G         | 19   | 5.652G         | 20   | 5.269G         |
| 21                                               | 5.460G         | 22   | 5.387G         | 23   | 5.443G         | 24   | 5.424G         |
| 25                                               | 5.643G         | 26   | 5.678G         | 27   | 5.312G         | 28   | 5.526G         |
| 29                                               | 5.675G         | 30   | 5.626G         | 31   | 5.515G         | 32   | 5.668G         |
| 33                                               | 5.495G         | 34   | 5.611G         | 35   | 5.633G         | 36   | 5.408G         |
| 37                                               | 5.344G         | 38   | 5.305G         | 39   | 5.493G         | 40   | 5.623G         |
| 41                                               | 5.717G         | 42   | 5.411G         | 43   | 5.569G         | 44   | 5.516G         |
| 45                                               | 5.478G         | 46   | 5.538G         | 47   | 5.673G         | 48   | 5.255G         |
| 49                                               | 5.566G         | 50   | 5.340G         | 51   | 5.512G         | 52   | 5.463G         |
| 53                                               | 5.561G         | 54   | 5.661G         | 55   | 5.624G         | 56   | 5.713G         |
| 57                                               | 5.256G         | 58   | 5.533G         | 59   | 5.322G         | 60   | 5.503G         |
| 61                                               | 5.487G         | 62   | 5.394G         | 63   | 5.638G         | 64   | 5.436G         |
| 65                                               | 5.311G         | 66   | 5.635G         | 67   | 5.298G         | 68   | 5.284G         |
| 69                                               | 5.375G         | 70   | 5.336G         | 71   | 5.694G         | 72   | 5.456G         |
| 73                                               | 5.295G         | 74   | 5.577G         | 75   | 5.605G         | 76   | 5.625G         |
| 77                                               | 5.417G         | 78   | 5.592G         | 79   | 5.437G         | 80   | 5.627G         |
| 81                                               | 5.629G         | 82   | 5.388G         | 83   | 5.414G         | 84   | 5.264G         |
| 85                                               | 5.572G         | 86   | 5.701G         | 87   | 5.360G         | 88   | 5.508G         |
| 89                                               | 5.689G         | 90   | 5.266G         | 91   | 5.707G         | 92   | 5.543G         |
| 93                                               | 5.671G         | 94   | 5.632G         | 95   | 5.596G         | 96   | 5.407G         |
| 97                                               | 5.510G         | 98   | 5.612G         | 99   | 5.337G         | 100  | 5.576G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.320G         | 2    | 5.569G         | 3    | 5.430G         | 4    | 5.515G         |
| 5                                                | 5.378G         | 6    | 5.686G         | 7    | 5.418G         | 8    | 5.682G         |
| 9                                                | 5.367G         | 10   | 5.715G         | 11   | 5.444G         | 12   | 5.405G         |
| 13                                               | 5.695G         | 14   | 5.421G         | 15   | 5.574G         | 16   | 5.293G         |
| 17                                               | 5.266G         | 18   | 5.450G         | 19   | 5.462G         | 20   | 5.524G         |
| 21                                               | 5.499G         | 22   | 5.520G         | 23   | 5.455G         | 24   | 5.270G         |
| 25                                               | 5.345G         | 26   | 5.560G         | 27   | 5.466G         | 28   | 5.491G         |
| 29                                               | 5.498G         | 30   | 5.602G         | 31   | 5.274G         | 32   | 5.550G         |
| 33                                               | 5.393G         | 34   | 5.454G         | 35   | 5.268G         | 36   | 5.590G         |
| 37                                               | 5.608G         | 38   | 5.424G         | 39   | 5.600G         | 40   | 5.276G         |
| 41                                               | 5.305G         | 42   | 5.374G         | 43   | 5.588G         | 44   | 5.662G         |
| 45                                               | 5.541G         | 46   | 5.516G         | 47   | 5.463G         | 48   | 5.677G         |
| 49                                               | 5.555G         | 50   | 5.540G         | 51   | 5.649G         | 52   | 5.484G         |
| 53                                               | 5.639G         | 54   | 5.641G         | 55   | 5.655G         | 56   | 5.316G         |
| 57                                               | 5.678G         | 58   | 5.357G         | 59   | 5.547G         | 60   | 5.269G         |
| 61                                               | 5.397G         | 62   | 5.318G         | 63   | 5.302G         | 64   | 5.596G         |
| 65                                               | 5.411G         | 66   | 5.538G         | 67   | 5.568G         | 68   | 5.626G         |
| 69                                               | 5.694G         | 70   | 5.671G         | 71   | 5.323G         | 72   | 5.267G         |
| 73                                               | 5.693G         | 74   | 5.643G         | 75   | 5.443G         | 76   | 5.598G         |
| 77                                               | 5.502G         | 78   | 5.528G         | 79   | 5.341G         | 80   | 5.445G         |
| 81                                               | 5.691G         | 82   | 5.353G         | 83   | 5.368G         | 84   | 5.575G         |
| 85                                               | 5.344G         | 86   | 5.440G         | 87   | 5.489G         | 88   | 5.501G         |
| 89                                               | 5.292G         | 90   | 5.355G         | 91   | 5.534G         | 92   | 5.642G         |
| 93                                               | 5.423G         | 94   | 5.545G         | 95   | 5.470G         | 96   | 5.409G         |
| 97                                               | 5.425G         | 98   | 5.612G         | 99   | 5.651G         | 100  | 5.688G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.679G         | 2    | 5.438G         | 3    | 5.375G         | 4    | 5.447G         |
| 5                                                | 5.698G         | 6    | 5.642G         | 7    | 5.366G         | 8    | 5.662G         |
| 9                                                | 5.653G         | 10   | 5.250G         | 11   | 5.299G         | 12   | 5.427G         |
| 13                                               | 5.303G         | 14   | 5.277G         | 15   | 5.283G         | 16   | 5.574G         |
| 17                                               | 5.720G         | 18   | 5.279G         | 19   | 5.455G         | 20   | 5.470G         |
| 21                                               | 5.638G         | 22   | 5.639G         | 23   | 5.323G         | 24   | 5.643G         |
| 25                                               | 5.619G         | 26   | 5.575G         | 27   | 5.633G         | 28   | 5.710G         |
| 29                                               | 5.411G         | 30   | 5.645G         | 31   | 5.712G         | 32   | 5.510G         |
| 33                                               | 5.604G         | 34   | 5.680G         | 35   | 5.284G         | 36   | 5.357G         |
| 37                                               | 5.397G         | 38   | 5.322G         | 39   | 5.294G         | 40   | 5.681G         |
| 41                                               | 5.555G         | 42   | 5.523G         | 43   | 5.591G         | 44   | 5.593G         |
| 45                                               | 5.392G         | 46   | 5.342G         | 47   | 5.401G         | 48   | 5.255G         |
| 49                                               | 5.363G         | 50   | 5.345G         | 51   | 5.348G         | 52   | 5.281G         |
| 53                                               | 5.449G         | 54   | 5.319G         | 55   | 5.671G         | 56   | 5.498G         |
| 57                                               | 5.558G         | 58   | 5.350G         | 59   | 5.464G         | 60   | 5.405G         |
| 61                                               | 5.717G         | 62   | 5.317G         | 63   | 5.669G         | 64   | 5.526G         |
| 65                                               | 5.530G         | 66   | 5.597G         | 67   | 5.329G         | 68   | 5.508G         |
| 69                                               | 5.270G         | 70   | 5.552G         | 71   | 5.634G         | 72   | 5.355G         |
| 73                                               | 5.646G         | 74   | 5.461G         | 75   | 5.516G         | 76   | 5.380G         |
| 77                                               | 5.263G         | 78   | 5.387G         | 79   | 5.306G         | 80   | 5.341G         |
| 81                                               | 5.605G         | 82   | 5.606G         | 83   | 5.687G         | 84   | 5.637G         |
| 85                                               | 5.362G         | 86   | 5.325G         | 87   | 5.305G         | 88   | 5.326G         |
| 89                                               | 5.688G         | 90   | 5.390G         | 91   | 5.477G         | 92   | 5.567G         |
| 93                                               | 5.320G         | 94   | 5.651G         | 95   | 5.499G         | 96   | 5.721G         |
| 97                                               | 5.296G         | 98   | 5.410G         | 99   | 5.673G         | 100  | 5.586G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.426G         | 2    | 5.604G         | 3    | 5.396G         | 4    | 5.259G         |
| 5                                                | 5.410G         | 6    | 5.543G         | 7    | 5.666G         | 8    | 5.395G         |
| 9                                                | 5.569G         | 10   | 5.340G         | 11   | 5.348G         | 12   | 5.690G         |
| 13                                               | 5.679G         | 14   | 5.628G         | 15   | 5.515G         | 16   | 5.588G         |
| 17                                               | 5.436G         | 18   | 5.547G         | 19   | 5.555G         | 20   | 5.385G         |
| 21                                               | 5.456G         | 22   | 5.563G         | 23   | 5.499G         | 24   | 5.573G         |
| 25                                               | 5.526G         | 26   | 5.264G         | 27   | 5.521G         | 28   | 5.528G         |
| 29                                               | 5.334G         | 30   | 5.363G         | 31   | 5.470G         | 32   | 5.386G         |
| 33                                               | 5.275G         | 34   | 5.693G         | 35   | 5.493G         | 36   | 5.427G         |
| 37                                               | 5.665G         | 38   | 5.446G         | 39   | 5.681G         | 40   | 5.382G         |
| 41                                               | 5.336G         | 42   | 5.416G         | 43   | 5.447G         | 44   | 5.390G         |
| 45                                               | 5.278G         | 46   | 5.685G         | 47   | 5.263G         | 48   | 5.342G         |
| 49                                               | 5.345G         | 50   | 5.343G         | 51   | 5.497G         | 52   | 5.653G         |
| 53                                               | 5.417G         | 54   | 5.309G         | 55   | 5.509G         | 56   | 5.579G         |
| 57                                               | 5.441G         | 58   | 5.684G         | 59   | 5.397G         | 60   | 5.341G         |
| 61                                               | 5.372G         | 62   | 5.315G         | 63   | 5.554G         | 64   | 5.540G         |
| 65                                               | 5.546G         | 66   | 5.268G         | 67   | 5.299G         | 68   | 5.561G         |
| 69                                               | 5.317G         | 70   | 5.656G         | 71   | 5.318G         | 72   | 5.703G         |
| 73                                               | 5.516G         | 74   | 5.544G         | 75   | 5.454G         | 76   | 5.414G         |
| 77                                               | 5.273G         | 78   | 5.574G         | 79   | 5.535G         | 80   | 5.380G         |
| 81                                               | 5.457G         | 82   | 5.595G         | 83   | 5.548G         | 84   | 5.466G         |
| 85                                               | 5.672G         | 86   | 5.271G         | 87   | 5.486G         | 88   | 5.650G         |
| 89                                               | 5.490G         | 90   | 5.699G         | 91   | 5.381G         | 92   | 5.581G         |
| 93                                               | 5.276G         | 94   | 5.550G         | 95   | 5.487G         | 96   | 5.402G         |
| 97                                               | 5.257G         | 98   | 5.406G         | 99   | 5.323G         | 100  | 5.371G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.421G         | 2    | 5.452G         | 3    | 5.547G         | 4    | 5.598G         |
| 5                                                | 5.335G         | 6    | 5.378G         | 7    | 5.572G         | 8    | 5.279G         |
| 9                                                | 5.419G         | 10   | 5.605G         | 11   | 5.553G         | 12   | 5.461G         |
| 13                                               | 5.406G         | 14   | 5.397G         | 15   | 5.293G         | 16   | 5.401G         |
| 17                                               | 5.435G         | 18   | 5.596G         | 19   | 5.683G         | 20   | 5.352G         |
| 21                                               | 5.480G         | 22   | 5.416G         | 23   | 5.575G         | 24   | 5.543G         |
| 25                                               | 5.708G         | 26   | 5.449G         | 27   | 5.652G         | 28   | 5.372G         |
| 29                                               | 5.661G         | 30   | 5.483G         | 31   | 5.588G         | 32   | 5.315G         |
| 33                                               | 5.251G         | 34   | 5.611G         | 35   | 5.667G         | 36   | 5.264G         |
| 37                                               | 5.283G         | 38   | 5.339G         | 39   | 5.592G         | 40   | 5.363G         |
| 41                                               | 5.629G         | 42   | 5.594G         | 43   | 5.518G         | 44   | 5.674G         |
| 45                                               | 5.573G         | 46   | 5.531G         | 47   | 5.323G         | 48   | 5.405G         |
| 49                                               | 5.353G         | 50   | 5.617G         | 51   | 5.468G         | 52   | 5.671G         |
| 53                                               | 5.695G         | 54   | 5.269G         | 55   | 5.515G         | 56   | 5.580G         |
| 57                                               | 5.649G         | 58   | 5.673G         | 59   | 5.299G         | 60   | 5.644G         |
| 61                                               | 5.509G         | 62   | 5.650G         | 63   | 5.500G         | 64   | 5.467G         |
| 65                                               | 5.344G         | 66   | 5.614G         | 67   | 5.538G         | 68   | 5.622G         |
| 69                                               | 5.645G         | 70   | 5.721G         | 71   | 5.368G         | 72   | 5.627G         |
| 73                                               | 5.260G         | 74   | 5.620G         | 75   | 5.601G         | 76   | 5.356G         |
| 77                                               | 5.413G         | 78   | 5.340G         | 79   | 5.451G         | 80   | 5.697G         |
| 81                                               | 5.643G         | 82   | 5.519G         | 83   | 5.444G         | 84   | 5.578G         |
| 85                                               | 5.624G         | 86   | 5.556G         | 87   | 5.551G         | 88   | 5.355G         |
| 89                                               | 5.677G         | 90   | 5.439G         | 91   | 5.548G         | 92   | 5.338G         |
| 93                                               | 5.277G         | 94   | 5.387G         | 95   | 5.252G         | 96   | 5.311G         |
| 97                                               | 5.651G         | 98   | 5.599G         | 99   | 5.574G         | 100  | 5.600G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.487G         | 2    | 5.444G         | 3    | 5.562G         | 4    | 5.715G         |
| 5                                                | 5.662G         | 6    | 5.308G         | 7    | 5.379G         | 8    | 5.453G         |
| 9                                                | 5.368G         | 10   | 5.629G         | 11   | 5.514G         | 12   | 5.329G         |
| 13                                               | 5.538G         | 14   | 5.356G         | 15   | 5.588G         | 16   | 5.391G         |
| 17                                               | 5.413G         | 18   | 5.700G         | 19   | 5.381G         | 20   | 5.618G         |
| 21                                               | 5.455G         | 22   | 5.558G         | 23   | 5.352G         | 24   | 5.582G         |
| 25                                               | 5.283G         | 26   | 5.709G         | 27   | 5.542G         | 28   | 5.394G         |
| 29                                               | 5.663G         | 30   | 5.689G         | 31   | 5.288G         | 32   | 5.262G         |
| 33                                               | 5.370G         | 34   | 5.371G         | 35   | 5.577G         | 36   | 5.702G         |
| 37                                               | 5.299G         | 38   | 5.465G         | 39   | 5.325G         | 40   | 5.503G         |
| 41                                               | 5.312G         | 42   | 5.549G         | 43   | 5.451G         | 44   | 5.314G         |
| 45                                               | 5.319G         | 46   | 5.274G         | 47   | 5.682G         | 48   | 5.388G         |
| 49                                               | 5.546G         | 50   | 5.513G         | 51   | 5.474G         | 52   | 5.713G         |
| 53                                               | 5.260G         | 54   | 5.251G         | 55   | 5.722G         | 56   | 5.408G         |
| 57                                               | 5.625G         | 58   | 5.392G         | 59   | 5.418G         | 60   | 5.389G         |
| 61                                               | 5.492G         | 62   | 5.668G         | 63   | 5.697G         | 64   | 5.482G         |
| 65                                               | 5.300G         | 66   | 5.647G         | 67   | 5.599G         | 68   | 5.494G         |
| 69                                               | 5.571G         | 70   | 5.348G         | 71   | 5.460G         | 72   | 5.716G         |
| 73                                               | 5.551G         | 74   | 5.327G         | 75   | 5.366G         | 76   | 5.509G         |
| 77                                               | 5.600G         | 78   | 5.406G         | 79   | 5.622G         | 80   | 5.495G         |
| 81                                               | 5.712G         | 82   | 5.404G         | 83   | 5.421G         | 84   | 5.464G         |
| 85                                               | 5.393G         | 86   | 5.470G         | 87   | 5.676G         | 88   | 5.617G         |
| 89                                               | 5.594G         | 90   | 5.637G         | 91   | 5.425G         | 92   | 5.691G         |
| 93                                               | 5.278G         | 94   | 5.410G         | 95   | 5.486G         | 96   | 5.632G         |
| 97                                               | 5.653G         | 98   | 5.400G         | 99   | 5.572G         | 100  | 5.426G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.329G         | 2    | 5.351G         | 3    | 5.639G         | 4    | 5.713G         |
| 5                                                | 5.256G         | 6    | 5.715G         | 7    | 5.672G         | 8    | 5.430G         |
| 9                                                | 5.291G         | 10   | 5.665G         | 11   | 5.459G         | 12   | 5.427G         |
| 13                                               | 5.693G         | 14   | 5.462G         | 15   | 5.571G         | 16   | 5.573G         |
| 17                                               | 5.474G         | 18   | 5.262G         | 19   | 5.596G         | 20   | 5.287G         |
| 21                                               | 5.327G         | 22   | 5.341G         | 23   | 5.326G         | 24   | 5.701G         |
| 25                                               | 5.457G         | 26   | 5.576G         | 27   | 5.681G         | 28   | 5.620G         |
| 29                                               | 5.325G         | 30   | 5.671G         | 31   | 5.543G         | 32   | 5.720G         |
| 33                                               | 5.521G         | 34   | 5.360G         | 35   | 5.485G         | 36   | 5.509G         |
| 37                                               | 5.408G         | 38   | 5.334G         | 39   | 5.555G         | 40   | 5.315G         |
| 41                                               | 5.417G         | 42   | 5.694G         | 43   | 5.623G         | 44   | 5.654G         |
| 45                                               | 5.253G         | 46   | 5.499G         | 47   | 5.544G         | 48   | 5.293G         |
| 49                                               | 5.708G         | 50   | 5.372G         | 51   | 5.366G         | 52   | 5.520G         |
| 53                                               | 5.302G         | 54   | 5.711G         | 55   | 5.590G         | 56   | 5.477G         |
| 57                                               | 5.349G         | 58   | 5.712G         | 59   | 5.305G         | 60   | 5.281G         |
| 61                                               | 5.383G         | 62   | 5.467G         | 63   | 5.397G         | 64   | 5.388G         |
| 65                                               | 5.527G         | 66   | 5.540G         | 67   | 5.651G         | 68   | 5.511G         |
| 69                                               | 5.386G         | 70   | 5.370G         | 71   | 5.580G         | 72   | 5.517G         |
| 73                                               | 5.684G         | 74   | 5.519G         | 75   | 5.435G         | 76   | 5.444G         |
| 77                                               | 5.535G         | 78   | 5.298G         | 79   | 5.699G         | 80   | 5.554G         |
| 81                                               | 5.514G         | 82   | 5.319G         | 83   | 5.473G         | 84   | 5.348G         |
| 85                                               | 5.705G         | 86   | 5.594G         | 87   | 5.323G         | 88   | 5.484G         |
| 89                                               | 5.506G         | 90   | 5.714G         | 91   | 5.411G         | 92   | 5.359G         |
| 93                                               | 5.421G         | 94   | 5.487G         | 95   | 5.258G         | 96   | 5.312G         |
| 97                                               | 5.491G         | 98   | 5.269G         | 99   | 5.320G         | 100  | 5.641G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.288G         | 2    | 5.291G         | 3    | 5.457G         | 4    | 5.252G         |
| 5                                                | 5.596G         | 6    | 5.598G         | 7    | 5.306G         | 8    | 5.434G         |
| 9                                                | 5.633G         | 10   | 5.625G         | 11   | 5.374G         | 12   | 5.477G         |
| 13                                               | 5.684G         | 14   | 5.272G         | 15   | 5.664G         | 16   | 5.441G         |
| 17                                               | 5.399G         | 18   | 5.586G         | 19   | 5.261G         | 20   | 5.656G         |
| 21                                               | 5.621G         | 22   | 5.373G         | 23   | 5.280G         | 24   | 5.376G         |
| 25                                               | 5.349G         | 26   | 5.530G         | 27   | 5.632G         | 28   | 5.348G         |
| 29                                               | 5.333G         | 30   | 5.618G         | 31   | 5.391G         | 32   | 5.283G         |
| 33                                               | 5.265G         | 34   | 5.273G         | 35   | 5.594G         | 36   | 5.440G         |
| 37                                               | 5.548G         | 38   | 5.651G         | 39   | 5.724G         | 40   | 5.584G         |
| 41                                               | 5.676G         | 42   | 5.682G         | 43   | 5.506G         | 44   | 5.294G         |
| 45                                               | 5.679G         | 46   | 5.323G         | 47   | 5.649G         | 48   | 5.497G         |
| 49                                               | 5.361G         | 50   | 5.337G         | 51   | 5.286G         | 52   | 5.268G         |
| 53                                               | 5.524G         | 54   | 5.513G         | 55   | 5.257G         | 56   | 5.300G         |
| 57                                               | 5.697G         | 58   | 5.504G         | 59   | 5.492G         | 60   | 5.607G         |
| 61                                               | 5.525G         | 62   | 5.377G         | 63   | 5.432G         | 64   | 5.310G         |
| 65                                               | 5.320G         | 66   | 5.661G         | 67   | 5.250G         | 68   | 5.493G         |
| 69                                               | 5.593G         | 70   | 5.346G         | 71   | 5.456G         | 72   | 5.307G         |
| 73                                               | 5.368G         | 74   | 5.281G         | 75   | 5.636G         | 76   | 5.382G         |
| 77                                               | 5.540G         | 78   | 5.538G         | 79   | 5.502G         | 80   | 5.573G         |
| 81                                               | 5.692G         | 82   | 5.445G         | 83   | 5.590G         | 84   | 5.370G         |
| 85                                               | 5.570G         | 86   | 5.439G         | 87   | 5.654G         | 88   | 5.443G         |
| 89                                               | 5.352G         | 90   | 5.581G         | 91   | 5.295G         | 92   | 5.681G         |
| 93                                               | 5.322G         | 94   | 5.680G         | 95   | 5.327G         | 96   | 5.561G         |
| 97                                               | 5.345G         | 98   | 5.550G         | 99   | 5.356G         | 100  | 5.609G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.269G         | 2    | 5.285G         | 3    | 5.400G         | 4    | 5.637G         |
| 5                                                | 5.564G         | 6    | 5.523G         | 7    | 5.255G         | 8    | 5.461G         |
| 9                                                | 5.563G         | 10   | 5.552G         | 11   | 5.625G         | 12   | 5.421G         |
| 13                                               | 5.531G         | 14   | 5.695G         | 15   | 5.271G         | 16   | 5.590G         |
| 17                                               | 5.484G         | 18   | 5.456G         | 19   | 5.352G         | 20   | 5.409G         |
| 21                                               | 5.672G         | 22   | 5.459G         | 23   | 5.292G         | 24   | 5.359G         |
| 25                                               | 5.486G         | 26   | 5.422G         | 27   | 5.650G         | 28   | 5.407G         |
| 29                                               | 5.633G         | 30   | 5.532G         | 31   | 5.720G         | 32   | 5.493G         |
| 33                                               | 5.357G         | 34   | 5.439G         | 35   | 5.472G         | 36   | 5.628G         |
| 37                                               | 5.442G         | 38   | 5.668G         | 39   | 5.343G         | 40   | 5.638G         |
| 41                                               | 5.466G         | 42   | 5.470G         | 43   | 5.585G         | 44   | 5.611G         |
| 45                                               | 5.471G         | 46   | 5.524G         | 47   | 5.307G         | 48   | 5.441G         |
| 49                                               | 5.398G         | 50   | 5.529G         | 51   | 5.545G         | 52   | 5.325G         |
| 53                                               | 5.641G         | 54   | 5.688G         | 55   | 5.657G         | 56   | 5.429G         |
| 57                                               | 5.302G         | 58   | 5.719G         | 59   | 5.687G         | 60   | 5.494G         |
| 61                                               | 5.328G         | 62   | 5.397G         | 63   | 5.475G         | 64   | 5.626G         |
| 65                                               | 5.693G         | 66   | 5.265G         | 67   | 5.608G         | 68   | 5.337G         |
| 69                                               | 5.485G         | 70   | 5.703G         | 71   | 5.554G         | 72   | 5.294G         |
| 73                                               | 5.505G         | 74   | 5.314G         | 75   | 5.324G         | 76   | 5.405G         |
| 77                                               | 5.355G         | 78   | 5.389G         | 79   | 5.649G         | 80   | 5.620G         |
| 81                                               | 5.259G         | 82   | 5.566G         | 83   | 5.645G         | 84   | 5.701G         |
| 85                                               | 5.510G         | 86   | 5.370G         | 87   | 5.539G         | 88   | 5.423G         |
| 89                                               | 5.342G         | 90   | 5.609G         | 91   | 5.384G         | 92   | 5.629G         |
| 93                                               | 5.369G         | 94   | 5.613G         | 95   | 5.718G         | 96   | 5.381G         |
| 97                                               | 5.424G         | 98   | 5.578G         | 99   | 5.568G         | 100  | 5.427G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.576G         | 2    | 5.614G         | 3    | 5.255G         | 4    | 5.381G         |
| 5                                                | 5.450G         | 6    | 5.715G         | 7    | 5.545G         | 8    | 5.517G         |
| 9                                                | 5.647G         | 10   | 5.317G         | 11   | 5.546G         | 12   | 5.375G         |
| 13                                               | 5.530G         | 14   | 5.439G         | 15   | 5.344G         | 16   | 5.541G         |
| 17                                               | 5.323G         | 18   | 5.513G         | 19   | 5.480G         | 20   | 5.586G         |
| 21                                               | 5.300G         | 22   | 5.565G         | 23   | 5.341G         | 24   | 5.472G         |
| 25                                               | 5.283G         | 26   | 5.524G         | 27   | 5.307G         | 28   | 5.284G         |
| 29                                               | 5.388G         | 30   | 5.583G         | 31   | 5.663G         | 32   | 5.332G         |
| 33                                               | 5.484G         | 34   | 5.362G         | 35   | 5.658G         | 36   | 5.295G         |
| 37                                               | 5.446G         | 38   | 5.491G         | 39   | 5.441G         | 40   | 5.570G         |
| 41                                               | 5.351G         | 42   | 5.533G         | 43   | 5.349G         | 44   | 5.655G         |
| 45                                               | 5.563G         | 46   | 5.638G         | 47   | 5.613G         | 48   | 5.646G         |
| 49                                               | 5.285G         | 50   | 5.696G         | 51   | 5.417G         | 52   | 5.358G         |
| 53                                               | 5.703G         | 54   | 5.669G         | 55   | 5.662G         | 56   | 5.713G         |
| 57                                               | 5.335G         | 58   | 5.321G         | 59   | 5.438G         | 60   | 5.355G         |
| 61                                               | 5.628G         | 62   | 5.412G         | 63   | 5.700G         | 64   | 5.674G         |
| 65                                               | 5.536G         | 66   | 5.334G         | 67   | 5.626G         | 68   | 5.465G         |
| 69                                               | 5.310G         | 70   | 5.518G         | 71   | 5.282G         | 72   | 5.551G         |
| 73                                               | 5.585G         | 74   | 5.548G         | 75   | 5.680G         | 76   | 5.376G         |
| 77                                               | 5.338G         | 78   | 5.440G         | 79   | 5.266G         | 80   | 5.648G         |
| 81                                               | 5.516G         | 82   | 5.468G         | 83   | 5.644G         | 84   | 5.414G         |
| 85                                               | 5.579G         | 86   | 5.393G         | 87   | 5.643G         | 88   | 5.537G         |
| 89                                               | 5.487G         | 90   | 5.592G         | 91   | 5.590G         | 92   | 5.423G         |
| 93                                               | 5.430G         | 94   | 5.288G         | 95   | 5.387G         | 96   | 5.636G         |
| 97                                               | 5.456G         | 98   | 5.508G         | 99   | 5.359G         | 100  | 5.425G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.650G         | 2    | 5.457G         | 3    | 5.366G         | 4    | 5.672G         |
| 5                                                | 5.654G         | 6    | 5.255G         | 7    | 5.381G         | 8    | 5.432G         |
| 9                                                | 5.701G         | 10   | 5.639G         | 11   | 5.310G         | 12   | 5.598G         |
| 13                                               | 5.405G         | 14   | 5.576G         | 15   | 5.464G         | 16   | 5.529G         |
| 17                                               | 5.659G         | 18   | 5.278G         | 19   | 5.251G         | 20   | 5.525G         |
| 21                                               | 5.530G         | 22   | 5.528G         | 23   | 5.567G         | 24   | 5.486G         |
| 25                                               | 5.394G         | 26   | 5.690G         | 27   | 5.713G         | 28   | 5.315G         |
| 29                                               | 5.533G         | 30   | 5.614G         | 31   | 5.623G         | 32   | 5.395G         |
| 33                                               | 5.620G         | 34   | 5.308G         | 35   | 5.379G         | 36   | 5.281G         |
| 37                                               | 5.677G         | 38   | 5.304G         | 39   | 5.537G         | 40   | 5.364G         |
| 41                                               | 5.352G         | 42   | 5.339G         | 43   | 5.284G         | 44   | 5.456G         |
| 45                                               | 5.626G         | 46   | 5.632G         | 47   | 5.287G         | 48   | 5.592G         |
| 49                                               | 5.452G         | 50   | 5.470G         | 51   | 5.329G         | 52   | 5.388G         |
| 53                                               | 5.356G         | 54   | 5.585G         | 55   | 5.593G         | 56   | 5.283G         |
| 57                                               | 5.603G         | 58   | 5.361G         | 59   | 5.408G         | 60   | 5.717G         |
| 61                                               | 5.404G         | 62   | 5.298G         | 63   | 5.347G         | 64   | 5.332G         |
| 65                                               | 5.412G         | 66   | 5.697G         | 67   | 5.674G         | 68   | 5.263G         |
| 69                                               | 5.499G         | 70   | 5.372G         | 71   | 5.676G         | 72   | 5.609G         |
| 73                                               | 5.619G         | 74   | 5.468G         | 75   | 5.692G         | 76   | 5.577G         |
| 77                                               | 5.578G         | 78   | 5.268G         | 79   | 5.428G         | 80   | 5.552G         |
| 81                                               | 5.413G         | 82   | 5.482G         | 83   | 5.579G         | 84   | 5.662G         |
| 85                                               | 5.621G         | 86   | 5.572G         | 87   | 5.682G         | 88   | 5.625G         |
| 89                                               | 5.644G         | 90   | 5.279G         | 91   | 5.253G         | 92   | 5.652G         |
| 93                                               | 5.678G         | 94   | 5.360G         | 95   | 5.627G         | 96   | 5.270G         |
| 97                                               | 5.721G         | 98   | 5.261G         | 99   | 5.497G         | 100  | 5.441G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.564G         | 2    | 5.702G         | 3    | 5.585G         | 4    | 5.465G         |
| 5                                                | 5.407G         | 6    | 5.670G         | 7    | 5.522G         | 8    | 5.466G         |
| 9                                                | 5.628G         | 10   | 5.659G         | 11   | 5.485G         | 12   | 5.704G         |
| 13                                               | 5.640G         | 14   | 5.367G         | 15   | 5.510G         | 16   | 5.722G         |
| 17                                               | 5.412G         | 18   | 5.355G         | 19   | 5.430G         | 20   | 5.549G         |
| 21                                               | 5.361G         | 22   | 5.329G         | 23   | 5.389G         | 24   | 5.587G         |
| 25                                               | 5.621G         | 26   | 5.720G         | 27   | 5.451G         | 28   | 5.320G         |
| 29                                               | 5.321G         | 30   | 5.424G         | 31   | 5.508G         | 32   | 5.618G         |
| 33                                               | 5.278G         | 34   | 5.556G         | 35   | 5.387G         | 36   | 5.374G         |
| 37                                               | 5.562G         | 38   | 5.553G         | 39   | 5.470G         | 40   | 5.276G         |
| 41                                               | 5.457G         | 42   | 5.439G         | 43   | 5.711G         | 44   | 5.518G         |
| 45                                               | 5.458G         | 46   | 5.513G         | 47   | 5.500G         | 48   | 5.376G         |
| 49                                               | 5.402G         | 50   | 5.447G         | 51   | 5.669G         | 52   | 5.524G         |
| 53                                               | 5.400G         | 54   | 5.515G         | 55   | 5.625G         | 56   | 5.652G         |
| 57                                               | 5.449G         | 58   | 5.301G         | 59   | 5.484G         | 60   | 5.529G         |
| 61                                               | 5.541G         | 62   | 5.333G         | 63   | 5.255G         | 64   | 5.354G         |
| 65                                               | 5.695G         | 66   | 5.365G         | 67   | 5.701G         | 68   | 5.494G         |
| 69                                               | 5.646G         | 70   | 5.454G         | 71   | 5.613G         | 72   | 5.721G         |
| 73                                               | 5.595G         | 74   | 5.688G         | 75   | 5.690G         | 76   | 5.487G         |
| 77                                               | 5.415G         | 78   | 5.428G         | 79   | 5.548G         | 80   | 5.591G         |
| 81                                               | 5.277G         | 82   | 5.496G         | 83   | 5.323G         | 84   | 5.302G         |
| 85                                               | 5.719G         | 86   | 5.298G         | 87   | 5.299G         | 88   | 5.614G         |
| 89                                               | 5.405G         | 90   | 5.497G         | 91   | 5.563G         | 92   | 5.291G         |
| 93                                               | 5.724G         | 94   | 5.483G         | 95   | 5.271G         | 96   | 5.297G         |
| 97                                               | 5.559G         | 98   | 5.311G         | 99   | 5.426G         | 100  | 5.360G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.336G         | 2    | 5.277G         | 3    | 5.619G         | 4    | 5.303G         |
| 5                                                | 5.685G         | 6    | 5.545G         | 7    | 5.356G         | 8    | 5.341G         |
| 9                                                | 5.471G         | 10   | 5.533G         | 11   | 5.724G         | 12   | 5.716G         |
| 13                                               | 5.267G         | 14   | 5.495G         | 15   | 5.253G         | 16   | 5.460G         |
| 17                                               | 5.600G         | 18   | 5.279G         | 19   | 5.333G         | 20   | 5.335G         |
| 21                                               | 5.566G         | 22   | 5.384G         | 23   | 5.718G         | 24   | 5.616G         |
| 25                                               | 5.598G         | 26   | 5.588G         | 27   | 5.722G         | 28   | 5.591G         |
| 29                                               | 5.621G         | 30   | 5.475G         | 31   | 5.366G         | 32   | 5.692G         |
| 33                                               | 5.681G         | 34   | 5.306G         | 35   | 5.595G         | 36   | 5.594G         |
| 37                                               | 5.673G         | 38   | 5.291G         | 39   | 5.400G         | 40   | 5.269G         |
| 41                                               | 5.426G         | 42   | 5.491G         | 43   | 5.281G         | 44   | 5.395G         |
| 45                                               | 5.515G         | 46   | 5.288G         | 47   | 5.519G         | 48   | 5.334G         |
| 49                                               | 5.711G         | 50   | 5.550G         | 51   | 5.464G         | 52   | 5.525G         |
| 53                                               | 5.377G         | 54   | 5.265G         | 55   | 5.452G         | 56   | 5.596G         |
| 57                                               | 5.297G         | 58   | 5.305G         | 59   | 5.565G         | 60   | 5.579G         |
| 61                                               | 5.345G         | 62   | 5.703G         | 63   | 5.719G         | 64   | 5.298G         |
| 65                                               | 5.541G         | 66   | 5.456G         | 67   | 5.282G         | 68   | 5.645G         |
| 69                                               | 5.421G         | 70   | 5.357G         | 71   | 5.351G         | 72   | 5.431G         |
| 73                                               | 5.674G         | 74   | 5.449G         | 75   | 5.576G         | 76   | 5.539G         |
| 77                                               | 5.264G         | 78   | 5.257G         | 79   | 5.439G         | 80   | 5.562G         |
| 81                                               | 5.493G         | 82   | 5.642G         | 83   | 5.668G         | 84   | 5.477G         |
| 85                                               | 5.450G         | 86   | 5.311G         | 87   | 5.544G         | 88   | 5.707G         |
| 89                                               | 5.402G         | 90   | 5.567G         | 91   | 5.442G         | 92   | 5.343G         |
| 93                                               | 5.720G         | 94   | 5.397G         | 95   | 5.665G         | 96   | 5.582G         |
| 97                                               | 5.405G         | 98   | 5.467G         | 99   | 5.444G         | 100  | 5.693G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.474G         | 2    | 5.271G         | 3    | 5.495G         | 4    | 5.592G         |
| 5                                                | 5.560G         | 6    | 5.447G         | 7    | 5.713G         | 8    | 5.561G         |
| 9                                                | 5.389G         | 10   | 5.526G         | 11   | 5.400G         | 12   | 5.715G         |
| 13                                               | 5.672G         | 14   | 5.388G         | 15   | 5.450G         | 16   | 5.325G         |
| 17                                               | 5.706G         | 18   | 5.556G         | 19   | 5.621G         | 20   | 5.522G         |
| 21                                               | 5.532G         | 22   | 5.357G         | 23   | 5.587G         | 24   | 5.258G         |
| 25                                               | 5.435G         | 26   | 5.329G         | 27   | 5.716G         | 28   | 5.571G         |
| 29                                               | 5.344G         | 30   | 5.250G         | 31   | 5.649G         | 32   | 5.639G         |
| 33                                               | 5.611G         | 34   | 5.466G         | 35   | 5.612G         | 36   | 5.274G         |
| 37                                               | 5.263G         | 38   | 5.539G         | 39   | 5.434G         | 40   | 5.645G         |
| 41                                               | 5.615G         | 42   | 5.572G         | 43   | 5.574G         | 44   | 5.549G         |
| 45                                               | 5.420G         | 46   | 5.646G         | 47   | 5.501G         | 48   | 5.402G         |
| 49                                               | 5.453G         | 50   | 5.320G         | 51   | 5.674G         | 52   | 5.491G         |
| 53                                               | 5.683G         | 54   | 5.700G         | 55   | 5.607G         | 56   | 5.441G         |
| 57                                               | 5.625G         | 58   | 5.464G         | 59   | 5.699G         | 60   | 5.490G         |
| 61                                               | 5.265G         | 62   | 5.719G         | 63   | 5.470G         | 64   | 5.494G         |
| 65                                               | 5.302G         | 66   | 5.391G         | 67   | 5.541G         | 68   | 5.641G         |
| 69                                               | 5.338G         | 70   | 5.722G         | 71   | 5.475G         | 72   | 5.295G         |
| 73                                               | 5.352G         | 74   | 5.692G         | 75   | 5.583G         | 76   | 5.529G         |
| 77                                               | 5.665G         | 78   | 5.603G         | 79   | 5.423G         | 80   | 5.465G         |
| 81                                               | 5.487G         | 82   | 5.415G         | 83   | 5.381G         | 84   | 5.354G         |
| 85                                               | 5.624G         | 86   | 5.502G         | 87   | 5.533G         | 88   | 5.688G         |
| 89                                               | 5.375G         | 90   | 5.272G         | 91   | 5.622G         | 92   | 5.437G         |
| 93                                               | 5.499G         | 94   | 5.714G         | 95   | 5.578G         | 96   | 5.576G         |
| 97                                               | 5.278G         | 98   | 5.513G         | 99   | 5.419G         | 100  | 5.383G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.668G         | 2    | 5.412G         | 3    | 5.577G         | 4    | 5.421G         |
| 5                                                | 5.372G         | 6    | 5.376G         | 7    | 5.363G         | 8    | 5.645G         |
| 9                                                | 5.696G         | 10   | 5.596G         | 11   | 5.650G         | 12   | 5.587G         |
| 13                                               | 5.306G         | 14   | 5.691G         | 15   | 5.341G         | 16   | 5.256G         |
| 17                                               | 5.399G         | 18   | 5.429G         | 19   | 5.392G         | 20   | 5.632G         |
| 21                                               | 5.263G         | 22   | 5.466G         | 23   | 5.567G         | 24   | 5.265G         |
| 25                                               | 5.522G         | 26   | 5.661G         | 27   | 5.700G         | 28   | 5.511G         |
| 29                                               | 5.536G         | 30   | 5.326G         | 31   | 5.709G         | 32   | 5.695G         |
| 33                                               | 5.669G         | 34   | 5.523G         | 35   | 5.582G         | 36   | 5.580G         |
| 37                                               | 5.550G         | 38   | 5.277G         | 39   | 5.285G         | 40   | 5.557G         |
| 41                                               | 5.574G         | 42   | 5.461G         | 43   | 5.425G         | 44   | 5.551G         |
| 45                                               | 5.608G         | 46   | 5.261G         | 47   | 5.317G         | 48   | 5.260G         |
| 49                                               | 5.439G         | 50   | 5.562G         | 51   | 5.324G         | 52   | 5.414G         |
| 53                                               | 5.527G         | 54   | 5.497G         | 55   | 5.686G         | 56   | 5.259G         |
| 57                                               | 5.664G         | 58   | 5.590G         | 59   | 5.478G         | 60   | 5.404G         |
| 61                                               | 5.589G         | 62   | 5.607G         | 63   | 5.481G         | 64   | 5.689G         |
| 65                                               | 5.389G         | 66   | 5.640G         | 67   | 5.720G         | 68   | 5.697G         |
| 69                                               | 5.402G         | 70   | 5.452G         | 71   | 5.313G         | 72   | 5.717G         |
| 73                                               | 5.257G         | 74   | 5.287G         | 75   | 5.534G         | 76   | 5.553G         |
| 77                                               | 5.304G         | 78   | 5.684G         | 79   | 5.374G         | 80   | 5.390G         |
| 81                                               | 5.441G         | 82   | 5.506G         | 83   | 5.444G         | 84   | 5.329G         |
| 85                                               | 5.250G         | 86   | 5.503G         | 87   | 5.588G         | 88   | 5.442G         |
| 89                                               | 5.611G         | 90   | 5.561G         | 91   | 5.406G         | 92   | 5.663G         |
| 93                                               | 5.297G         | 94   | 5.619G         | 95   | 5.405G         | 96   | 5.677G         |
| 97                                               | 5.501G         | 98   | 5.508G         | 99   | 5.262G         | 100  | 5.474G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.307G         | 2    | 5.649G         | 3    | 5.482G         | 4    | 5.315G         |
| 5                                                | 5.443G         | 6    | 5.285G         | 7    | 5.390G         | 8    | 5.326G         |
| 9                                                | 5.654G         | 10   | 5.581G         | 11   | 5.263G         | 12   | 5.687G         |
| 13                                               | 5.679G         | 14   | 5.486G         | 15   | 5.279G         | 16   | 5.680G         |
| 17                                               | 5.387G         | 18   | 5.608G         | 19   | 5.487G         | 20   | 5.724G         |
| 21                                               | 5.683G         | 22   | 5.430G         | 23   | 5.436G         | 24   | 5.320G         |
| 25                                               | 5.281G         | 26   | 5.257G         | 27   | 5.539G         | 28   | 5.255G         |
| 29                                               | 5.622G         | 30   | 5.359G         | 31   | 5.251G         | 32   | 5.418G         |
| 33                                               | 5.456G         | 34   | 5.569G         | 35   | 5.628G         | 36   | 5.643G         |
| 37                                               | 5.301G         | 38   | 5.488G         | 39   | 5.338G         | 40   | 5.584G         |
| 41                                               | 5.685G         | 42   | 5.503G         | 43   | 5.411G         | 44   | 5.697G         |
| 45                                               | 5.574G         | 46   | 5.558G         | 47   | 5.468G         | 48   | 5.355G         |
| 49                                               | 5.478G         | 50   | 5.549G         | 51   | 5.283G         | 52   | 5.648G         |
| 53                                               | 5.695G         | 54   | 5.371G         | 55   | 5.304G         | 56   | 5.705G         |
| 57                                               | 5.722G         | 58   | 5.349G         | 59   | 5.453G         | 60   | 5.591G         |
| 61                                               | 5.678G         | 62   | 5.401G         | 63   | 5.284G         | 64   | 5.481G         |
| 65                                               | 5.381G         | 66   | 5.644G         | 67   | 5.422G         | 68   | 5.590G         |
| 69                                               | 5.547G         | 70   | 5.458G         | 71   | 5.274G         | 72   | 5.446G         |
| 73                                               | 5.523G         | 74   | 5.391G         | 75   | 5.719G         | 76   | 5.296G         |
| 77                                               | 5.521G         | 78   | 5.286G         | 79   | 5.435G         | 80   | 5.336G         |
| 81                                               | 5.619G         | 82   | 5.668G         | 83   | 5.565G         | 84   | 5.343G         |
| 85                                               | 5.434G         | 86   | 5.356G         | 87   | 5.374G         | 88   | 5.278G         |
| 89                                               | 5.449G         | 90   | 5.660G         | 91   | 5.544G         | 92   | 5.363G         |
| 93                                               | 5.604G         | 94   | 5.314G         | 95   | 5.499G         | 96   | 5.531G         |
| 97                                               | 5.322G         | 98   | 5.347G         | 99   | 5.675G         | 100  | 5.273G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.587G         | 2    | 5.271G         | 3    | 5.622G         | 4    | 5.676G         |
| 5                                                | 5.627G         | 6    | 5.604G         | 7    | 5.309G         | 8    | 5.666G         |
| 9                                                | 5.449G         | 10   | 5.613G         | 11   | 5.340G         | 12   | 5.579G         |
| 13                                               | 5.372G         | 14   | 5.263G         | 15   | 5.252G         | 16   | 5.665G         |
| 17                                               | 5.568G         | 18   | 5.386G         | 19   | 5.639G         | 20   | 5.480G         |
| 21                                               | 5.251G         | 22   | 5.270G         | 23   | 5.614G         | 24   | 5.698G         |
| 25                                               | 5.549G         | 26   | 5.451G         | 27   | 5.335G         | 28   | 5.685G         |
| 29                                               | 5.464G         | 30   | 5.424G         | 31   | 5.291G         | 32   | 5.400G         |
| 33                                               | 5.555G         | 34   | 5.530G         | 35   | 5.510G         | 36   | 5.278G         |
| 37                                               | 5.257G         | 38   | 5.595G         | 39   | 5.724G         | 40   | 5.645G         |
| 41                                               | 5.675G         | 42   | 5.317G         | 43   | 5.695G         | 44   | 5.722G         |
| 45                                               | 5.277G         | 46   | 5.522G         | 47   | 5.686G         | 48   | 5.597G         |
| 49                                               | 5.588G         | 50   | 5.517G         | 51   | 5.518G         | 52   | 5.707G         |
| 53                                               | 5.431G         | 54   | 5.364G         | 55   | 5.542G         | 56   | 5.513G         |
| 57                                               | 5.322G         | 58   | 5.405G         | 59   | 5.402G         | 60   | 5.560G         |
| 61                                               | 5.677G         | 62   | 5.492G         | 63   | 5.446G         | 64   | 5.268G         |
| 65                                               | 5.717G         | 66   | 5.459G         | 67   | 5.357G         | 68   | 5.655G         |
| 69                                               | 5.650G         | 70   | 5.314G         | 71   | 5.688G         | 72   | 5.528G         |
| 73                                               | 5.535G         | 74   | 5.715G         | 75   | 5.380G         | 76   | 5.648G         |
| 77                                               | 5.556G         | 78   | 5.531G         | 79   | 5.616G         | 80   | 5.586G         |
| 81                                               | 5.612G         | 82   | 5.435G         | 83   | 5.656G         | 84   | 5.659G         |
| 85                                               | 5.546G         | 86   | 5.407G         | 87   | 5.346G         | 88   | 5.516G         |
| 89                                               | 5.623G         | 90   | 5.634G         | 91   | 5.325G         | 92   | 5.420G         |
| 93                                               | 5.720G         | 94   | 5.558G         | 95   | 5.478G         | 96   | 5.644G         |
| 97                                               | 5.311G         | 98   | 5.607G         | 99   | 5.273G         | 100  | 5.444G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.490G         | 2    | 5.296G         | 3    | 5.458G         | 4    | 5.553G         |
| 5                                                | 5.430G         | 6    | 5.516G         | 7    | 5.414G         | 8    | 5.618G         |
| 9                                                | 5.521G         | 10   | 5.544G         | 11   | 5.721G         | 12   | 5.438G         |
| 13                                               | 5.311G         | 14   | 5.677G         | 15   | 5.386G         | 16   | 5.382G         |
| 17                                               | 5.600G         | 18   | 5.446G         | 19   | 5.549G         | 20   | 5.422G         |
| 21                                               | 5.291G         | 22   | 5.581G         | 23   | 5.316G         | 24   | 5.359G         |
| 25                                               | 5.637G         | 26   | 5.588G         | 27   | 5.612G         | 28   | 5.288G         |
| 29                                               | 5.455G         | 30   | 5.541G         | 31   | 5.385G         | 32   | 5.557G         |
| 33                                               | 5.413G         | 34   | 5.701G         | 35   | 5.515G         | 36   | 5.254G         |
| 37                                               | 5.459G         | 38   | 5.714G         | 39   | 5.502G         | 40   | 5.528G         |
| 41                                               | 5.536G         | 42   | 5.260G         | 43   | 5.614G         | 44   | 5.451G         |
| 45                                               | 5.663G         | 46   | 5.532G         | 47   | 5.273G         | 48   | 5.482G         |
| 49                                               | 5.689G         | 50   | 5.326G         | 51   | 5.578G         | 52   | 5.537G         |
| 53                                               | 5.266G         | 54   | 5.387G         | 55   | 5.299G         | 56   | 5.513G         |
| 57                                               | 5.355G         | 58   | 5.297G         | 59   | 5.569G         | 60   | 5.262G         |
| 61                                               | 5.699G         | 62   | 5.551G         | 63   | 5.648G         | 64   | 5.679G         |
| 65                                               | 5.389G         | 66   | 5.607G         | 67   | 5.450G         | 68   | 5.421G         |
| 69                                               | 5.571G         | 70   | 5.629G         | 71   | 5.345G         | 72   | 5.623G         |
| 73                                               | 5.380G         | 74   | 5.643G         | 75   | 5.656G         | 76   | 5.500G         |
| 77                                               | 5.664G         | 78   | 5.550G         | 79   | 5.554G         | 80   | 5.269G         |
| 81                                               | 5.435G         | 82   | 5.442G         | 83   | 5.715G         | 84   | 5.284G         |
| 85                                               | 5.277G         | 86   | 5.582G         | 87   | 5.460G         | 88   | 5.412G         |
| 89                                               | 5.638G         | 90   | 5.354G         | 91   | 5.265G         | 92   | 5.323G         |
| 93                                               | 5.585G         | 94   | 5.539G         | 95   | 5.711G         | 96   | 5.390G         |
| 97                                               | 5.697G         | 98   | 5.619G         | 99   | 5.552G         | 100  | 5.650G         |

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| Type 1 Radar Statistical Performances |                                            |                        |                  |            |                       |           |
|---------------------------------------|--------------------------------------------|------------------------|------------------|------------|-----------------------|-----------|
| Trial #                               | Pulse Repetition Frequency Number(1 to 23) | PRF(Pulse per seconds) | Pulses per Burst | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 18                                         | 1165.6                 | 62               | 858        | 5497                  | Yes       |
| 2                                     | 20                                         | 1113.6                 | 59               | 898        | 5561                  | Yes       |
| 3                                     | 8                                          | 1519.8                 | 81               | 658        | 5530                  | Yes       |
| 4                                     | 19                                         | 1139                   | 61               | 878        | 5562                  | Yes       |
| 5                                     | 6                                          | 1618.1                 | 86               | 618        | 5545                  | Yes       |
| 6                                     | 12                                         | 1355                   | 72               | 738        | 5529                  | Yes       |
| 7                                     | 5                                          | 1672.2                 | 89               | 598        | 5533                  | Yes       |
| 8                                     | 7                                          | 1567.4                 | 83               | 638        | 5499                  | Yes       |
| 9                                     | 22                                         | 1066.1                 | 57               | 938        | 5553                  | Yes       |
| 10                                    | 2                                          | 1858.7                 | 99               | 538        | 5564                  | Yes       |
| 11                                    | 9                                          | 1474.9                 | 78               | 678        | 5547                  | Yes       |
| 12                                    | 14                                         | 1285.3                 | 68               | 778        | 5532                  | Yes       |
| 13                                    | 21                                         | 1089.3                 | 58               | 918        | 5504                  | Yes       |
| 14                                    | 10                                         | 1432.7                 | 76               | 698        | 5537                  | No        |
| 15                                    | 3                                          | 1792.1                 | 95               | 558        | 5555                  | Yes       |
| 16                                    |                                            | 327.8                  | 18               | 3051       | 5507                  | Yes       |
| 17                                    |                                            | 425.4                  | 23               | 2351       | 5557                  | Yes       |
| 18                                    |                                            | 1085.8                 | 58               | 921        | 5509                  | Yes       |
| 19                                    |                                            | 643.1                  | 34               | 1555       | 5501                  | No        |
| 20                                    |                                            | 386.1                  | 21               | 2590       | 5514                  | Yes       |
| 21                                    |                                            | 635.7                  | 34               | 1573       | 5519                  | Yes       |
| 22                                    |                                            | 1733.1                 | 92               | 577        | 5500                  | Yes       |
| 23                                    |                                            | 479.2                  | 26               | 2087       | 5536                  | Yes       |
| 24                                    |                                            | 1003.0                 | 53               | 997        | 5508                  | Yes       |
| 25                                    |                                            | 424.1                  | 23               | 2358       | 5492                  | Yes       |
| 26                                    |                                            | 638.6                  | 34               | 1566       | 5560                  | Yes       |
| 27                                    |                                            | 412.5                  | 22               | 2424       | 5520                  | Yes       |
| 28                                    |                                            | 501.5                  | 27               | 1994       | 5510                  | Yes       |
| 29                                    |                                            | 520.0                  | 28               | 1923       | 5512                  | Yes       |
| 30                                    |                                            | 1412.4                 | 75               | 708        | 5513                  | Yes       |
| Detection Rate: 93.33 %               |                                            |                        |                  |            |                       |           |

| Type 2 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 23               | 1.3                | 228        | 5533                  | Yes       |
| 2                                     | 26               | 3.2                | 172        | 5561                  | Yes       |
| 3                                     | 27               | 3.9                | 212        | 5525                  | Yes       |
| 4                                     | 24               | 1.9                | 213        | 5504                  | Yes       |
| 5                                     | 27               | 3.6                | 150        | 5550                  | Yes       |
| 6                                     | 26               | 3.3                | 158        | 5519                  | Yes       |
| 7                                     | 29               | 4.9                | 210        | 5539                  | No        |
| 8                                     | 23               | 1.3                | 223        | 5499                  | No        |
| 9                                     | 29               | 4.9                | 152        | 5555                  | Yes       |
| 10                                    | 27               | 3.3                | 190        | 5538                  | Yes       |
| 11                                    | 25               | 2.7                | 203        | 5562                  | Yes       |
| 12                                    | 29               | 5                  | 227        | 5503                  | Yes       |
| 13                                    | 26               | 3.3                | 196        | 5536                  | Yes       |
| 14                                    | 28               | 4.4                | 198        | 5556                  | Yes       |
| 15                                    | 24               | 1.9                | 161        | 5506                  | Yes       |
| 16                                    | 27               | 3.6                | 226        | 5507                  | Yes       |
| 17                                    | 26               | 2.8                | 181        | 5535                  | Yes       |
| 18                                    | 25               | 2.5                | 167        | 5515                  | Yes       |
| 19                                    | 23               | 1.3                | 178        | 5528                  | Yes       |
| 20                                    | 25               | 2.4                | 187        | 5531                  | Yes       |
| 21                                    | 29               | 4.8                | 153        | 5522                  | Yes       |
| 22                                    | 27               | 3.5                | 201        | 5548                  | Yes       |
| 23                                    | 23               | 1.3                | 166        | 5511                  | Yes       |
| 24                                    | 29               | 4.8                | 155        | 5545                  | Yes       |
| 25                                    | 28               | 4.3                | 221        | 5505                  | Yes       |
| 26                                    | 26               | 3.2                | 191        | 5557                  | Yes       |
| 27                                    | 24               | 1.7                | 192        | 5518                  | Yes       |
| 28                                    | 23               | 1.2                | 164        | 5549                  | Yes       |
| 29                                    | 25               | 2.4                | 154        | 5498                  | Yes       |
| 30                                    | 29               | 5                  | 207        | 5543                  | Yes       |
| Detection Rate: 93.33 %               |                  |                    |            |                       |           |

| Type 3 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 16               | 6.3                | 403        | 5492                  | Yes       |
| 2                                     | 17               | 8.2                | 313        | 5497                  | Yes       |
| 3                                     | 18               | 8.9                | 214        | 5496                  | Yes       |
| 4                                     | 16               | 6.9                | 262        | 5513                  | Yes       |
| 5                                     | 17               | 8.6                | 273        | 5494                  | Yes       |
| 6                                     | 17               | 8.3                | 470        | 5567                  | Yes       |
| 7                                     | 18               | 9.9                | 453        | 5561                  | No        |
| 8                                     | 16               | 6.3                | 378        | 5503                  | Yes       |
| 9                                     | 18               | 9.9                | 483        | 5517                  | Yes       |
| 10                                    | 17               | 8.3                | 317        | 5552                  | Yes       |
| 11                                    | 17               | 7.7                | 385        | 5549                  | Yes       |
| 12                                    | 18               | 10                 | 275        | 5499                  | Yes       |
| 13                                    | 17               | 8.3                | 497        | 5564                  | Yes       |
| 14                                    | 18               | 9.4                | 420        | 5508                  | Yes       |
| 15                                    | 16               | 6.9                | 366        | 5522                  | Yes       |
| 16                                    | 17               | 8.6                | 414        | 5531                  | Yes       |
| 17                                    | 17               | 7.8                | 444        | 5553                  | Yes       |
| 18                                    | 17               | 7.5                | 427        | 5557                  | Yes       |
| 19                                    | 16               | 6.3                | 338        | 5563                  | Yes       |
| 20                                    | 17               | 7.4                | 436        | 5534                  | Yes       |
| 21                                    | 18               | 9.8                | 265        | 5512                  | Yes       |
| 22                                    | 17               | 8.5                | 451        | 5560                  | Yes       |
| 23                                    | 16               | 6.3                | 274        | 5556                  | Yes       |
| 24                                    | 18               | 9.8                | 417        | 5504                  | Yes       |
| 25                                    | 18               | 9.3                | 330        | 5516                  | Yes       |
| 26                                    | 17               | 8.2                | 472        | 5520                  | Yes       |
| 27                                    | 16               | 6.7                | 333        | 5547                  | Yes       |
| 28                                    | 16               | 6.2                | 377        | 5530                  | Yes       |
| 29                                    | 17               | 7.4                | 394        | 5507                  | Yes       |
| 30                                    | 18               | 10                 | 296        | 5533                  | No        |
| Detection Rate: 93.33 %               |                  |                    |            |                       |           |

| Type 4 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 12               | 11.7               | 403        | 5568                  | Yes       |
| 2                                     | 14               | 15.9               | 313        | 5563                  | Yes       |
| 3                                     | 15               | 17.4               | 214        | 5526                  | Yes       |
| 4                                     | 13               | 13.2               | 262        | 5495                  | No        |
| 5                                     | 15               | 16.8               | 273        | 5544                  | Yes       |
| 6                                     | 14               | 16.1               | 470        | 5497                  | Yes       |
| 7                                     | 16               | 19.8               | 453        | 5527                  | Yes       |
| 8                                     | 12               | 11.7               | 378        | 5507                  | Yes       |
| 9                                     | 16               | 19.8               | 483        | 5500                  | Yes       |
| 10                                    | 14               | 16.2               | 317        | 5510                  | Yes       |
| 11                                    | 14               | 14.8               | 385        | 5513                  | No        |
| 12                                    | 16               | 19.9               | 275        | 5550                  | Yes       |
| 13                                    | 14               | 16.1               | 497        | 5504                  | Yes       |
| 14                                    | 16               | 18.6               | 420        | 5567                  | Yes       |
| 15                                    | 13               | 13.2               | 366        | 5506                  | Yes       |
| 16                                    | 15               | 16.9               | 414        | 5545                  | Yes       |
| 17                                    | 14               | 15                 | 444        | 5520                  | Yes       |
| 18                                    | 13               | 14.4               | 427        | 5509                  | No        |
| 19                                    | 12               | 11.7               | 338        | 5522                  | Yes       |
| 20                                    | 13               | 14.2               | 436        | 5547                  | Yes       |
| 21                                    | 16               | 19.6               | 265        | 5546                  | Yes       |
| 22                                    | 15               | 16.5               | 451        | 5529                  | Yes       |
| 23                                    | 12               | 11.7               | 274        | 5564                  | Yes       |
| 24                                    | 16               | 19.4               | 417        | 5542                  | No        |
| 25                                    | 16               | 18.3               | 330        | 5554                  | Yes       |
| 26                                    | 14               | 15.9               | 472        | 5539                  | Yes       |
| 27                                    | 12               | 12.5               | 333        | 5514                  | Yes       |
| 28                                    | 12               | 11.5               | 377        | 5516                  | Yes       |
| 29                                    | 13               | 14.2               | 394        | 5493                  | Yes       |
| 30                                    | 16               | 19.8               | 296        | 5499                  | Yes       |
| Detection Rate: 86.67 %               |                  |                    |            |                       |           |

| Type 5 Radar Statistical Performances |                  |                         |
|---------------------------------------|------------------|-------------------------|
| Trial #                               | Test Signal Name | Detection               |
| 1                                     | LP_Signal_01     | Yes                     |
| 2                                     | LP_Signal_02     | Yes                     |
| 3                                     | LP_Signal_03     | Yes                     |
| 4                                     | LP_Signal_04     | Yes                     |
| 5                                     | LP_Signal_05     | Yes                     |
| 6                                     | LP_Signal_06     | Yes                     |
| 7                                     | LP_Signal_07     | Yes                     |
| 8                                     | LP_Signal_08     | Yes                     |
| 9                                     | LP_Signal_09     | Yes                     |
| 10                                    | LP_Signal_10     | Yes                     |
| 11                                    | LP_Signal_11     | No                      |
| 12                                    | LP_Signal_12     | Yes                     |
| 13                                    | LP_Signal_13     | No                      |
| 14                                    | LP_Signal_14     | Yes                     |
| 15                                    | LP_Signal_15     | Yes                     |
| 16                                    | LP_Signal_16     | Yes                     |
| 17                                    | LP_Signal_17     | No                      |
| 18                                    | LP_Signal_18     | No                      |
| 19                                    | LP_Signal_19     | Yes                     |
| 20                                    | LP_Signal_20     | No                      |
| 21                                    | LP_Signal_21     | Yes                     |
| 22                                    | LP_Signal_22     | Yes                     |
| 23                                    | LP_Signal_23     | Yes                     |
| 24                                    | LP_Signal_24     | Yes                     |
| 25                                    | LP_Signal_25     | Yes                     |
| 26                                    | LP_Signal_26     | Yes                     |
| 27                                    | LP_Signal_27     | Yes                     |
| 28                                    | LP_Signal_28     | Yes                     |
| 29                                    | LP_Signal_29     | Yes                     |
| 30                                    | LP_Signal_30     | Yes                     |
|                                       |                  | Detection Rate: 83.33 % |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_01

Number of Bursts in Trial: 13

Chirp Center Frequency: 5290MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 72.2             | 12                | 2                          | 1002.0     | 1973.0     | -          |
| 2     | 74.1             | 12                | 2                          | 1892.0     | 1635.0     | -          |
| 3     | 85.9             | 12                | 3                          | 1097.0     | 1171.0     | 1514.0     |
| 4     | 68.7             | 12                | 2                          | 1150.0     | 1740.0     | -          |
| 5     | 62.1             | 12                | 1                          | 1907.0     | -          | -          |
| 6     | 84.8             | 12                | 3                          | 1313.0     | 1536.0     | 1177.0     |
| 7     | 85.2             | 12                | 3                          | 1597.0     | 1539.0     | 1629.0     |
| 8     | 76.2             | 12                | 2                          | 1371.0     | 1764.0     | -          |
| 9     | 94.6             | 12                | 3                          | 1563.0     | 1880.0     | 1548.0     |
| 10    | 52.5             | 12                | 1                          | 1528.0     | -          | -          |
| 11    | 94.6             | 12                | 3                          | 1537.0     | 1935.0     | 1241.0     |
| 12    | 71.5             | 12                | 2                          | 1337.0     | 1472.0     | -          |
| 13    | 66.1             | 12                | 1                          | 1824.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_02

Number of Bursts in Trial: 14

Chirp Center Frequency: 5290MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 75.3             | 12                | 2                          | 1516.0     | 1581.0     | -          |
| 2     | 57.3             | 12                | 1                          | 1187.0     | -          | -          |
| 3     | 97.0             | 12                | 3                          | 1767.0     | 1677.0     | 1381.0     |
| 4     | 71.3             | 12                | 2                          | 1683.0     | 1622.0     | -          |
| 5     | 65.7             | 12                | 1                          | 1458.0     | -          | -          |
| 6     | 56.8             | 12                | 1                          | 1388.0     | -          | -          |
| 7     | 95.0             | 12                | 3                          | 1793.0     | 1254.0     | 1779.0     |
| 8     | 52.2             | 12                | 1                          | 1575.0     | -          | -          |
| 9     | 54.2             | 12                | 1                          | 1682.0     | -          | -          |
| 10    | 94.1             | 12                | 3                          | 1957.0     | 1485.0     | 1876.0     |
| 11    | 91.2             | 12                | 3                          | 1803.0     | 1693.0     | 1628.0     |
| 12    | 91.8             | 12                | 3                          | 1897.0     | 1636.0     | 1353.0     |
| 13    | 75.0             | 12                | 2                          | 1877.0     | 1456.0     | -          |
| 14    | 80.2             | 12                | 2                          | 1698.0     | 1608.0     | -          |



Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_03

Number of Bursts in Trial: 17

Chirp Center Frequency: 5290MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 76.2             | 16                | 2                          | 1955.0     | 1109.0     | -          |
| 2     | 97.3             | 16                | 3                          | 1836.0     | 1042.0     | 1224.0     |
| 3     | 75.3             | 16                | 2                          | 1579.0     | 1126.0     | -          |
| 4     | 74.5             | 16                | 2                          | 1771.0     | 1755.0     | -          |
| 5     | 51.2             | 16                | 1                          | 1133.0     | -          | -          |
| 6     | 66.1             | 16                | 1                          | 1167.0     | -          | -          |
| 7     | 98.8             | 16                | 3                          | 1919.0     | 1424.0     | 1985.0     |
| 8     | 61.3             | 16                | 1                          | 1454.0     | -          | -          |
| 9     | 66.4             | 16                | 1                          | 1772.0     | -          | -          |
| 10    | 93.5             | 16                | 3                          | 1879.0     | 1022.0     | 1857.0     |
| 11    | 85.7             | 16                | 3                          | 1980.0     | 1009.0     | 1716.0     |
| 12    | 50.5             | 16                | 1                          | 1924.0     | -          | -          |
| 13    | 88.1             | 16                | 3                          | 1131.0     | 1890.0     | 1939.0     |
| 14    | 68.9             | 16                | 2                          | 1806.0     | 1414.0     | -          |
| 15    | 55.3             | 16                | 1                          | 1802.0     | -          | -          |
| 16    | 64.6             | 16                | 1                          | 1178.0     | -          | -          |
| 17    | 57.2             | 16                | 1                          | 1238.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_04

Number of Bursts in Trial: 12

Chirp Center Frequency: 5290MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 78.5             | 10                | 2                          | 1267.0     | 1505.0     | -          |
| 2     | 63.3             | 10                | 1                          | 1532.0     | -          | -          |
| 3     | 92.6             | 10                | 3                          | 1729.0     | 1751.0     | 1928.0     |
| 4     | 91.0             | 10                | 3                          | 1808.0     | 1249.0     | 1809.0     |
| 5     | 94.9             | 10                | 3                          | 1186.0     | 1732.0     | 1743.0     |
| 6     | 79.1             | 10                | 2                          | 1776.0     | 1457.0     | -          |
| 7     | 50.3             | 10                | 1                          | 1914.0     | -          | -          |
| 8     | 89.3             | 10                | 3                          | 1182.0     | 1251.0     | 1687.0     |
| 9     | 94.6             | 10                | 3                          | 1998.0     | 1753.0     | 1228.0     |
| 10    | 64.7             | 10                | 1                          | 1100.0     | -          | -          |
| 11    | 84.0             | 10                | 3                          | 1373.0     | 1450.0     | 1589.0     |
| 12    | 68.0             | 10                | 2                          | 1895.0     | 1322.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_05

Number of Bursts in Trial: 11

Chirp Center Frequency: 5290MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 80.0             | 8                 | 2                          | 1357.0     | 1208.0     | -          |
| 2     | 94.7             | 8                 | 3                          | 1931.0     | 1905.0     | 1921.0     |
| 3     | 76.9             | 8                 | 2                          | 1453.0     | 1021.0     | -          |
| 4     | 87.1             | 8                 | 3                          | 1953.0     | 1469.0     | 1706.0     |
| 5     | 54.6             | 8                 | 1                          | 1301.0     | -          | -          |
| 6     | 59.0             | 8                 | 1                          | 1794.0     | -          | -          |
| 7     | 78.9             | 8                 | 2                          | 1279.0     | 1975.0     | -          |
| 8     | 69.3             | 8                 | 2                          | 1288.0     | 1610.0     | -          |
| 9     | 78.0             | 8                 | 2                          | 1433.0     | 1025.0     | -          |
| 10    | 93.4             | 8                 | 3                          | 1833.0     | 1804.0     | 1493.0     |
| 11    | 55.4             | 8                 | 1                          | 1495.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_06

Number of Bursts in Trial: 17

Chirp Center Frequency: 5290MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 67.3             | 16                | 2                          | 1530.0     | 1432.0     | -          |
| 2     | 63.9             | 16                | 1                          | 1356.0     | -          | -          |
| 3     | 91.0             | 16                | 3                          | 1631.0     | 1478.0     | 1219.0     |
| 4     | 53.4             | 16                | 1                          | 1609.0     | -          | -          |
| 5     | 85.7             | 16                | 3                          | 1831.0     | 1535.0     | 1960.0     |
| 6     | 65.2             | 16                | 1                          | 1873.0     | -          | -          |
| 7     | 68.7             | 16                | 2                          | 1791.0     | 1461.0     | -          |
| 8     | 76.1             | 16                | 2                          | 1815.0     | 1300.0     | -          |
| 9     | 97.0             | 16                | 3                          | 1471.0     | 1292.0     | 1452.0     |
| 10    | 89.6             | 16                | 3                          | 1436.0     | 1074.0     | 1400.0     |
| 11    | 86.9             | 16                | 3                          | 1085.0     | 1093.0     | 1156.0     |
| 12    | 62.6             | 16                | 1                          | 1870.0     | -          | -          |
| 13    | 78.5             | 16                | 2                          | 1447.0     | 1404.0     | -          |
| 14    | 82.5             | 16                | 2                          | 1717.0     | 1689.0     | -          |
| 15    | 89.2             | 16                | 3                          | 1642.0     | 1391.0     | 1274.0     |
| 16    | 81.4             | 16                | 2                          | 1624.0     | 1645.0     | -          |
| 17    | 68.2             | 16                | 2                          | 1475.0     | 1250.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_07

Number of Bursts in Trial: 17

Chirp Center Frequency: 5290MHz

| Burst | Pulse Width<br>(us) | Chirp Width<br>(MHz) | Number of<br>Pulses per<br>Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------------|----------------------------------|------------|------------|------------|
| 1     | 74.9                | 16                   | 2                                | 1350.0     | 1816.0     | -          |
| 2     | 85.3                | 16                   | 3                                | 1965.0     | 1440.0     | 1583.0     |
| 3     | 56.6                | 16                   | 1                                | 1739.0     | -          | -          |
| 4     | 51.4                | 16                   | 1                                | 1819.0     | -          | -          |
| 5     | 64.8                | 16                   | 1                                | 1673.0     | -          | -          |
| 6     | 93.4                | 16                   | 3                                | 1271.0     | 1504.0     | 1275.0     |
| 7     | 86.4                | 16                   | 3                                | 1203.0     | 1064.0     | 1347.0     |
| 8     | 98.9                | 16                   | 3                                | 1611.0     | 1958.0     | 1546.0     |
| 9     | 58.7                | 16                   | 1                                | 1638.0     | -          | -          |
| 10    | 63.4                | 16                   | 1                                | 1316.0     | -          | -          |
| 11    | 83.5                | 16                   | 3                                | 1741.0     | 1293.0     | 1305.0     |
| 12    | 59.8                | 16                   | 1                                | 1820.0     | -          | -          |
| 13    | 76.4                | 16                   | 2                                | 1484.0     | 1835.0     | -          |
| 14    | 95.4                | 16                   | 3                                | 1423.0     | 1827.0     | 1474.0     |
| 15    | 79.3                | 16                   | 2                                | 1944.0     | 1891.0     | -          |
| 16    | 85.2                | 16                   | 3                                | 1473.0     | 1321.0     | 1213.0     |
| 17    | 57.9                | 16                   | 1                                | 1757.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_08

Number of Bursts in Trial: 14

Chirp Center Frequency: 5290MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 75.2             | 13                | 2                          | 1261.0     | 1304.0     | -          |
| 2     | 77.1             | 13                | 2                          | 1027.0     | 1508.0     | -          |
| 3     | 53.8             | 13                | 1                          | 1902.0     | -          | -          |
| 4     | 75.7             | 13                | 2                          | 1695.0     | 1486.0     | -          |
| 5     | 64.7             | 13                | 1                          | 1578.0     | -          | -          |
| 6     | 74.0             | 13                | 2                          | 1297.0     | 1665.0     | -          |
| 7     | 75.9             | 13                | 2                          | 1668.0     | 1099.0     | -          |
| 8     | 88.6             | 13                | 3                          | 1090.0     | 1936.0     | 1660.0     |
| 9     | 87.0             | 13                | 3                          | 1380.0     | 1565.0     | 1497.0     |
| 10    | 78.4             | 13                | 2                          | 1379.0     | 1840.0     | -          |
| 11    | 93.2             | 13                | 3                          | 1850.0     | 1932.0     | 1054.0     |
| 12    | 82.0             | 13                | 2                          | 1428.0     | 1543.0     | -          |
| 13    | 98.5             | 13                | 3                          | 1029.0     | 1055.0     | 1690.0     |
| 14    | 54.6             | 13                | 1                          | 1266.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_09

Number of Bursts in Trial: 19

Chirp Center Frequency: 5290MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 65.5             | 19                | 1                          | 1799.0     | -          | -          |
| 2     | 77.7             | 19                | 2                          | 1728.0     | 1378.0     | -          |
| 3     | 60.7             | 19                | 1                          | 1787.0     | -          | -          |
| 4     | 94.4             | 19                | 3                          | 1908.0     | 1028.0     | 1324.0     |
| 5     | 92.7             | 19                | 3                          | 1737.0     | 1540.0     | 1586.0     |
| 6     | 86.8             | 19                | 3                          | 1368.0     | 1194.0     | 1593.0     |
| 7     | 54.0             | 19                | 1                          | 1445.0     | -          | -          |
| 8     | 52.4             | 19                | 1                          | 1101.0     | -          | -          |
| 9     | 70.5             | 19                | 2                          | 1766.0     | 1927.0     | -          |
| 10    | 54.5             | 19                | 1                          | 1442.0     | -          | -          |
| 11    | 54.5             | 19                | 1                          | 1913.0     | -          | -          |
| 12    | 76.9             | 19                | 2                          | 1223.0     | 1894.0     | -          |
| 13    | 51.7             | 19                | 1                          | 1225.0     | -          | -          |
| 14    | 85.3             | 19                | 3                          | 1403.0     | 1375.0     | 1925.0     |
| 15    | 66.3             | 19                | 1                          | 1061.0     | -          | -          |
| 16    | 70.5             | 19                | 2                          | 1881.0     | 1923.0     | -          |
| 17    | 94.3             | 19                | 3                          | 1510.0     | 1114.0     | 1654.0     |
| 18    | 57.6             | 19                | 1                          | 1780.0     | -          | -          |
| 19    | 77.5             | 19                | 2                          | 1602.0     | 1394.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_10

Number of Bursts in Trial: 8

Chirp Center Frequency: 5290MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 70.6             | 5                 | 2                          | 1604.0     | 1926.0     | -          |
| 2     | 57.2             | 5                 | 1                          | 1195.0     | -          | -          |
| 3     | 62.0             | 5                 | 1                          | 1181.0     | -          | -          |
| 4     | 77.5             | 5                 | 2                          | 1349.0     | 1658.0     | -          |
| 5     | 92.5             | 5                 | 3                          | 1599.0     | 1544.0     | 1016.0     |
| 6     | 60.1             | 5                 | 1                          | 1077.0     | -          | -          |
| 7     | 61.3             | 5                 | 1                          | 1139.0     | -          | -          |
| 8     | 80.7             | 5                 | 2                          | 1562.0     | 1758.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_11

Number of Bursts in Trial: 19

Chirp Center Frequency: 5259MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 62.8             | 19                | 1                          | 1655.0     | -          | -          |
| 2     | 77.9             | 19                | 2                          | 1014.0     | 1929.0     | -          |
| 3     | 65.0             | 19                | 1                          | 1860.0     | -          | -          |
| 4     | 93.3             | 19                | 3                          | 1954.0     | 1542.0     | 1096.0     |
| 5     | 66.9             | 19                | 2                          | 1667.0     | 1754.0     | -          |
| 6     | 60.2             | 19                | 1                          | 1625.0     | -          | -          |
| 7     | 58.8             | 19                | 1                          | 1323.0     | -          | -          |
| 8     | 67.9             | 19                | 2                          | 1518.0     | 1134.0     | -          |
| 9     | 82.1             | 19                | 2                          | 1281.0     | 1343.0     | -          |
| 10    | 65.7             | 19                | 1                          | 1615.0     | -          | -          |
| 11    | 50.9             | 19                | 1                          | 1026.0     | -          | -          |
| 12    | 86.6             | 19                | 3                          | 1966.0     | 1590.0     | 1158.0     |
| 13    | 98.5             | 19                | 3                          | 1686.0     | 1977.0     | 1402.0     |
| 14    | 53.8             | 19                | 1                          | 1011.0     | -          | -          |
| 15    | 72.8             | 19                | 2                          | 1846.0     | 1714.0     | -          |
| 16    | 56.6             | 19                | 1                          | 1202.0     | -          | -          |
| 17    | 99.4             | 19                | 3                          | 1429.0     | 1521.0     | 1455.0     |
| 18    | 71.2             | 19                | 2                          | 1362.0     | 1060.0     | -          |
| 19    | 87.9             | 19                | 3                          | 1934.0     | 1172.0     | 1561.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_12

Number of Bursts in Trial: 13

Chirp Center Frequency: 5256MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 72.2             | 11                | 2                          | 1258.0     | 1361.0     | -          |
| 2     | 90.7             | 11                | 3                          | 1265.0     | 1573.0     | 1230.0     |
| 3     | 72.3             | 11                | 2                          | 1050.0     | 1796.0     | -          |
| 4     | 66.5             | 11                | 1                          | 1507.0     | -          | -          |
| 5     | 84.1             | 11                | 3                          | 1427.0     | 1393.0     | 1338.0     |
| 6     | 85.5             | 11                | 3                          | 1449.0     | 1910.0     | 1374.0     |
| 7     | 54.5             | 11                | 1                          | 1342.0     | -          | -          |
| 8     | 77.9             | 11                | 2                          | 1118.0     | 1013.0     | -          |
| 9     | 97.4             | 11                | 3                          | 1781.0     | 1253.0     | 1707.0     |
| 10    | 53.4             | 11                | 1                          | 1032.0     | -          | -          |
| 11    | 50.2             | 11                | 1                          | 1671.0     | -          | -          |
| 12    | 68.3             | 11                | 2                          | 1465.0     | 1125.0     | -          |
| 13    | 84.3             | 11                | 3                          | 1972.0     | 1652.0     | 1206.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_13

Number of Bursts in Trial: 12

Chirp Center Frequency: 5256MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 81.4             | 10                | 2                          | 1431.0     | 1141.0     | -          |
| 2     | 56.0             | 10                | 1                          | 1727.0     | -          | -          |
| 3     | 91.2             | 10                | 3                          | 1533.0     | 1264.0     | 1132.0     |
| 4     | 74.6             | 10                | 2                          | 1669.0     | 1477.0     | -          |
| 5     | 55.5             | 10                | 1                          | 1738.0     | -          | -          |
| 6     | 61.2             | 10                | 1                          | 1774.0     | -          | -          |
| 7     | 87.7             | 10                | 3                          | 1574.0     | 1140.0     | 1464.0     |
| 8     | 66.6             | 10                | 1                          | 1587.0     | -          | -          |
| 9     | 93.0             | 10                | 3                          | 1320.0     | 1663.0     | 1525.0     |
| 10    | 67.3             | 10                | 2                          | 1018.0     | 1302.0     | -          |
| 11    | 84.2             | 10                | 3                          | 1513.0     | 1215.0     | 1688.0     |
| 12    | 54.8             | 10                | 1                          | 1243.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_14

Number of Bursts in Trial: 14

Chirp Center Frequency: 5257MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 93.4             | 13                | 3                          | 1023.0     | 1052.0     | 1143.0     |
| 2     | 71.0             | 13                | 2                          | 1152.0     | 1770.0     | -          |
| 3     | 79.0             | 13                | 2                          | 1862.0     | 1552.0     | -          |
| 4     | 66.7             | 13                | 2                          | 1483.0     | 1296.0     | -          |
| 5     | 84.5             | 13                | 3                          | 1185.0     | 1144.0     | 1832.0     |
| 6     | 55.3             | 13                | 1                          | 1969.0     | -          | -          |
| 7     | 78.1             | 13                | 2                          | 1318.0     | 1722.0     | -          |
| 8     | 71.3             | 13                | 2                          | 1653.0     | 1201.0     | -          |
| 9     | 72.3             | 13                | 2                          | 1222.0     | 1232.0     | -          |
| 10    | 89.1             | 13                | 3                          | 1874.0     | 1748.0     | 1491.0     |
| 11    | 90.1             | 13                | 3                          | 1522.0     | 1582.0     | 1990.0     |
| 12    | 90.5             | 13                | 3                          | 1176.0     | 1344.0     | 1971.0     |
| 13    | 61.3             | 13                | 1                          | 1199.0     | -          | -          |
| 14    | 80.9             | 13                | 2                          | 1111.0     | 1295.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_15

Number of Bursts in Trial: 9

Chirp Center Frequency: 5254MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 57.8             | 7                 | 1                          | 1724.0     | -          | -          |
| 2     | 62.3             | 7                 | 1                          | 1498.0     | -          | -          |
| 3     | 82.4             | 7                 | 2                          | 1151.0     | 1396.0     | -          |
| 4     | 61.5             | 7                 | 1                          | 1501.0     | -          | -          |
| 5     | 64.5             | 7                 | 1                          | 1623.0     | -          | -          |
| 6     | 81.9             | 7                 | 2                          | 1079.0     | 1951.0     | -          |
| 7     | 97.4             | 7                 | 3                          | 1216.0     | 1204.0     | 1618.0     |
| 8     | 66.6             | 7                 | 1                          | 1630.0     | -          | -          |
| 9     | 55.2             | 7                 | 1                          | 1502.0     | -          | -          |



Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_16

Number of Bursts in Trial: 20

Chirp Center Frequency: 5260MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 92.5             | 20                | 3                          | 1098.0     | 1694.0     | 1425.0     |
| 2     | 62.7             | 20                | 1                          | 1844.0     | -          | -          |
| 3     | 98.2             | 20                | 3                          | 1976.0     | 1482.0     | 1887.0     |
| 4     | 51.1             | 20                | 1                          | 1479.0     | -          | -          |
| 5     | 88.1             | 20                | 3                          | 1838.0     | 1191.0     | 1421.0     |
| 6     | 83.5             | 20                | 3                          | 1366.0     | 1037.0     | 1981.0     |
| 7     | 71.3             | 20                | 2                          | 1676.0     | 1699.0     | -          |
| 8     | 79.3             | 20                | 2                          | 1856.0     | 1174.0     | -          |
| 9     | 73.3             | 20                | 2                          | 1326.0     | 1529.0     | -          |
| 10    | 88.1             | 20                | 3                          | 1070.0     | 1841.0     | 1710.0     |
| 11    | 61.6             | 20                | 1                          | 1327.0     | -          | -          |
| 12    | 90.8             | 20                | 3                          | 1086.0     | 1584.0     | 1236.0     |
| 13    | 64.4             | 20                | 1                          | 1045.0     | -          | -          |
| 14    | 75.5             | 20                | 2                          | 1311.0     | 1273.0     | -          |
| 15    | 61.2             | 20                | 1                          | 1180.0     | -          | -          |
| 16    | 62.8             | 20                | 1                          | 1136.0     | -          | -          |
| 17    | 98.1             | 20                | 3                          | 1242.0     | 1058.0     | 1248.0     |
| 18    | 72.1             | 20                | 2                          | 1941.0     | 1041.0     | -          |
| 19    | 97.1             | 20                | 3                          | 1031.0     | 1221.0     | 1309.0     |
| 20    | 62.0             | 20                | 1                          | 1797.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_17

Number of Bursts in Trial: 13

Chirp Center Frequency: 5256MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 92.3             | 11                | 3                          | 1768.0     | 1605.0     | 1619.0     |
| 2     | 66.0             | 11                | 1                          | 1468.0     | -          | -          |
| 3     | 50.6             | 11                | 1                          | 1549.0     | -          | -          |
| 4     | 63.2             | 11                | 1                          | 1035.0     | -          | -          |
| 5     | 74.6             | 11                | 2                          | 1312.0     | 1745.0     | -          |
| 6     | 53.4             | 11                | 1                          | 1598.0     | -          | -          |
| 7     | 75.3             | 11                | 2                          | 1837.0     | 1443.0     | -          |
| 8     | 84.2             | 11                | 3                          | 1110.0     | 1034.0     | 1948.0     |
| 9     | 81.5             | 11                | 2                          | 1898.0     | 1298.0     | -          |
| 10    | 52.8             | 11                | 1                          | 1553.0     | -          | -          |
| 11    | 52.3             | 11                | 1                          | 1675.0     | -          | -          |
| 12    | 57.4             | 11                | 1                          | 1702.0     | -          | -          |
| 13    | 76.7             | 11                | 2                          | 1961.0     | 1670.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_18

Number of Bursts in Trial: 12

Chirp Center Frequency: 5256MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 65.8             | 10                | 1                          | 2000.0     | -          | -          |
| 2     | 86.6             | 10                | 3                          | 1666.0     | 1190.0     | 1043.0     |
| 3     | 54.0             | 10                | 1                          | 1922.0     | -          | -          |
| 4     | 86.4             | 10                | 3                          | 1703.0     | 1962.0     | 1639.0     |
| 5     | 54.2             | 10                | 1                          | 1119.0     | -          | -          |
| 6     | 90.0             | 10                | 3                          | 1257.0     | 1911.0     | 1571.0     |
| 7     | 87.8             | 10                | 3                          | 1120.0     | 1509.0     | 1708.0     |
| 8     | 50.9             | 10                | 1                          | 1572.0     | -          | -          |
| 9     | 59.7             | 10                | 1                          | 1155.0     | -          | -          |
| 10    | 66.7             | 10                | 2                          | 1818.0     | 1725.0     | -          |
| 11    | 52.4             | 10                | 1                          | 1082.0     | -          | -          |
| 12    | 99.8             | 10                | 3                          | 1775.0     | 1778.0     | 1068.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_19

Number of Bursts in Trial: 9

Chirp Center Frequency: 5254MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 90.2             | 7                 | 3                          | 1723.0     | 1106.0     | 1103.0     |
| 2     | 93.4             | 7                 | 3                          | 1715.0     | 1810.0     | 1370.0     |
| 3     | 86.8             | 7                 | 3                          | 1390.0     | 1340.0     | 1634.0     |
| 4     | 71.2             | 7                 | 2                          | 1108.0     | 1351.0     | -          |
| 5     | 98.7             | 7                 | 3                          | 1949.0     | 1720.0     | 1363.0     |
| 6     | 66.4             | 7                 | 1                          | 1621.0     | -          | -          |
| 7     | 59.7             | 7                 | 1                          | 1993.0     | -          | -          |
| 8     | 50.3             | 7                 | 1                          | 1412.0     | -          | -          |
| 9     | 54.6             | 7                 | 1                          | 1441.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_20

Number of Bursts in Trial: 19

Chirp Center Frequency: 5259MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 62.9             | 19                | 1                          | 1466.0     | -          | -          |
| 2     | 76.5             | 19                | 2                          | 1008.0     | 1600.0     | -          |
| 3     | 62.0             | 19                | 1                          | 1355.0     | -          | -          |
| 4     | 84.9             | 19                | 3                          | 1893.0     | 1851.0     | 1166.0     |
| 5     | 76.5             | 19                | 2                          | 1909.0     | 1987.0     | -          |
| 6     | 84.7             | 19                | 3                          | 1179.0     | 1256.0     | 1107.0     |
| 7     | 58.1             | 19                | 1                          | 1123.0     | -          | -          |
| 8     | 87.1             | 19                | 3                          | 1315.0     | 1763.0     | 1365.0     |
| 9     | 97.9             | 19                | 3                          | 1051.0     | 1395.0     | 1519.0     |
| 10    | 70.5             | 19                | 2                          | 1984.0     | 1692.0     | -          |
| 11    | 85.7             | 19                | 3                          | 1438.0     | 1040.0     | 1672.0     |
| 12    | 54.2             | 19                | 1                          | 1247.0     | -          | -          |
| 13    | 64.0             | 19                | 1                          | 1674.0     | -          | -          |
| 14    | 98.7             | 19                | 3                          | 1566.0     | 1289.0     | 1752.0     |
| 15    | 89.0             | 19                | 3                          | 1290.0     | 1405.0     | 1959.0     |
| 16    | 57.2             | 19                | 1                          | 1164.0     | -          | -          |
| 17    | 76.5             | 19                | 2                          | 1165.0     | 1135.0     | -          |
| 18    | 93.9             | 19                | 3                          | 1888.0     | 1731.0     | 1828.0     |
| 19    | 82.2             | 19                | 2                          | 1175.0     | 1091.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_21

Number of Bursts in Trial: 8

Chirp Center Frequency: 5326MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 59.2             | 5                 | 1                          | 1307.0     | -          | -          |
| 2     | 61.0             | 5                 | 1                          | 1389.0     | -          | -          |
| 3     | 82.6             | 5                 | 2                          | 1047.0     | 1637.0     | -          |
| 4     | 99.3             | 5                 | 3                          | 1408.0     | 1760.0     | 1901.0     |
| 5     | 98.3             | 5                 | 3                          | 1996.0     | 1039.0     | 1104.0     |
| 6     | 63.5             | 5                 | 1                          | 1596.0     | -          | -          |
| 7     | 84.5             | 5                 | 3                          | 1115.0     | 1930.0     | 1864.0     |
| 8     | 60.1             | 5                 | 1                          | 1328.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_22

Number of Bursts in Trial: 9

Chirp Center Frequency: 5326MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 88.5             | 6                 | 3                          | 1648.0     | 1627.0     | 1496.0     |
| 2     | 63.0             | 6                 | 1                          | 1001.0     | -          | -          |
| 3     | 82.8             | 6                 | 2                          | 1868.0     | 1006.0     | -          |
| 4     | 86.4             | 6                 | 3                          | 1657.0     | 1044.0     | 1709.0     |
| 5     | 92.7             | 6                 | 3                          | 1644.0     | 1916.0     | 1527.0     |
| 6     | 57.1             | 6                 | 1                          | 1420.0     | -          | -          |
| 7     | 72.0             | 6                 | 2                          | 1092.0     | 1192.0     | -          |
| 8     | 52.8             | 6                 | 1                          | 1335.0     | -          | -          |
| 9     | 60.1             | 6                 | 1                          | 1137.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_23

Number of Bursts in Trial: 19

Chirp Center Frequency: 5321MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 92.0             | 19                | 3                          | 1858.0     | 1601.0     | 1189.0     |
| 2     | 51.4             | 19                | 1                          | 1331.0     | -          | -          |
| 3     | 77.7             | 19                | 2                          | 1517.0     | 1834.0     | -          |
| 4     | 55.3             | 19                | 1                          | 1397.0     | -          | -          |
| 5     | 79.6             | 19                | 2                          | 1992.0     | 1205.0     | -          |
| 6     | 63.9             | 19                | 1                          | 1588.0     | -          | -          |
| 7     | 61.9             | 19                | 1                          | 1439.0     | -          | -          |
| 8     | 96.2             | 19                | 3                          | 1889.0     | 1193.0     | 1938.0     |
| 9     | 66.7             | 19                | 2                          | 1853.0     | 1418.0     | -          |
| 10    | 95.6             | 19                | 3                          | 1761.0     | 1592.0     | 1263.0     |
| 11    | 76.1             | 19                | 2                          | 1585.0     | 1950.0     | -          |
| 12    | 94.8             | 19                | 3                          | 1387.0     | 1336.0     | 1550.0     |
| 13    | 97.9             | 19                | 3                          | 1807.0     | 1138.0     | 1661.0     |
| 14    | 64.0             | 19                | 1                          | 1038.0     | -          | -          |
| 15    | 72.2             | 19                | 2                          | 1790.0     | 1882.0     | -          |
| 16    | 72.6             | 19                | 2                          | 1736.0     | 1383.0     | -          |
| 17    | 77.6             | 19                | 2                          | 1244.0     | 1641.0     | -          |
| 18    | 91.1             | 19                | 3                          | 1299.0     | 1406.0     | 1056.0     |
| 19    | 93.7             | 19                | 3                          | 1964.0     | 1718.0     | 1053.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_24

Number of Bursts in Trial: 18

Chirp Center Frequency: 5321MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 80.4             | 18                | 2                          | 1735.0     | 1046.0     | -          |
| 2     | 77.2             | 18                | 2                          | 1662.0     | 1359.0     | -          |
| 3     | 63.7             | 18                | 1                          | 1341.0     | -          | -          |
| 4     | 71.3             | 18                | 2                          | 1346.0     | 1883.0     | -          |
| 5     | 92.1             | 18                | 3                          | 1069.0     | 1033.0     | 1417.0     |
| 6     | 74.5             | 18                | 2                          | 1986.0     | 1730.0     | -          |
| 7     | 69.7             | 18                | 2                          | 1988.0     | 1547.0     | -          |
| 8     | 74.0             | 18                | 2                          | 1612.0     | 1285.0     | -          |
| 9     | 65.0             | 18                | 1                          | 1415.0     | -          | -          |
| 10    | 84.2             | 18                | 3                          | 1556.0     | 1030.0     | 1664.0     |
| 11    | 93.1             | 18                | 3                          | 1148.0     | 1160.0     | 1259.0     |
| 12    | 97.1             | 18                | 3                          | 1062.0     | 1372.0     | 1392.0     |
| 13    | 92.0             | 18                | 3                          | 1933.0     | 1970.0     | 1685.0     |
| 14    | 95.8             | 18                | 3                          | 1967.0     | 1875.0     | 1112.0     |
| 15    | 78.9             | 18                | 2                          | 1983.0     | 1903.0     | -          |
| 16    | 65.2             | 18                | 1                          | 1814.0     | -          | -          |
| 17    | 75.0             | 18                | 2                          | 1146.0     | 1142.0     | -          |
| 18    | 66.2             | 18                | 1                          | 1577.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_25

Number of Bursts in Trial: 18

Chirp Center Frequency: 5321MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 76.8             | 18                | 2                          | 1284.0     | 1792.0     | -          |
| 2     | 79.7             | 18                | 2                          | 1364.0     | 1276.0     | -          |
| 3     | 97.1             | 18                | 3                          | 1861.0     | 1759.0     | 1260.0     |
| 4     | 70.7             | 18                | 2                          | 1937.0     | 1744.0     | -          |
| 5     | 53.1             | 18                | 1                          | 1017.0     | -          | -          |
| 6     | 81.5             | 18                | 2                          | 1184.0     | 1072.0     | -          |
| 7     | 68.0             | 18                | 2                          | 1360.0     | 1332.0     | -          |
| 8     | 58.4             | 18                | 1                          | 1306.0     | -          | -          |
| 9     | 65.4             | 18                | 1                          | 1234.0     | -          | -          |
| 10    | 90.7             | 18                | 3                          | 1207.0     | 1147.0     | 1603.0     |
| 11    | 99.1             | 18                | 3                          | 1900.0     | 1746.0     | 1252.0     |
| 12    | 60.6             | 18                | 1                          | 1684.0     | -          | -          |
| 13    | 63.8             | 18                | 1                          | 1616.0     | -          | -          |
| 14    | 65.1             | 18                | 1                          | 1382.0     | -          | -          |
| 15    | 66.0             | 18                | 1                          | 1829.0     | -          | -          |
| 16    | 78.4             | 18                | 2                          | 1512.0     | 1940.0     | -          |
| 17    | 72.5             | 18                | 2                          | 1430.0     | 1701.0     | -          |
| 18    | 82.9             | 18                | 2                          | 1010.0     | 1066.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_26

Number of Bursts in Trial: 14

Chirp Center Frequency: 5323MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 78.2             | 13                | 2                          | 1227.0     | 1352.0     | -          |
| 2     | 80.1             | 13                | 2                          | 1872.0     | 1680.0     | -          |
| 3     | 85.6             | 13                | 3                          | 1545.0     | 1105.0     | 1399.0     |
| 4     | 80.9             | 13                | 2                          | 1633.0     | 1129.0     | -          |
| 5     | 59.9             | 13                | 1                          | 1145.0     | -          | -          |
| 6     | 90.0             | 13                | 3                          | 1059.0     | 1978.0     | 1859.0     |
| 7     | 96.9             | 13                | 3                          | 1407.0     | 1480.0     | 1747.0     |
| 8     | 62.0             | 13                | 1                          | 1885.0     | -          | -          |
| 9     | 73.7             | 13                | 2                          | 1852.0     | 1696.0     | -          |
| 10    | 98.5             | 13                | 3                          | 1063.0     | 1088.0     | 1168.0     |
| 11    | 84.1             | 13                | 3                          | 1157.0     | 1198.0     | 1212.0     |
| 12    | 99.0             | 13                | 3                          | 1245.0     | 1784.0     | 1422.0     |
| 13    | 69.0             | 13                | 2                          | 1515.0     | 1991.0     | -          |
| 14    | 98.8             | 13                | 3                          | 1237.0     | 1554.0     | 1705.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_27

Number of Bursts in Trial: 15

Chirp Center Frequency: 5323MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 97.3             | 14                | 3                          | 1384.0     | 1434.0     | 1843.0     |
| 2     | 56.4             | 14                | 1                          | 1170.0     | -          | -          |
| 3     | 50.7             | 14                | 1                          | 1049.0     | -          | -          |
| 4     | 61.4             | 14                | 1                          | 1777.0     | -          | -          |
| 5     | 96.6             | 14                | 3                          | 1626.0     | 1821.0     | 1643.0     |
| 6     | 59.7             | 14                | 1                          | 1280.0     | -          | -          |
| 7     | 74.1             | 14                | 2                          | 1918.0     | 1845.0     | -          |
| 8     | 82.3             | 14                | 2                          | 1435.0     | 1640.0     | -          |
| 9     | 53.3             | 14                | 1                          | 1127.0     | -          | -          |
| 10    | 83.6             | 14                | 3                          | 1235.0     | 1489.0     | 1721.0     |
| 11    | 59.1             | 14                | 1                          | 1884.0     | -          | -          |
| 12    | 79.0             | 14                | 2                          | 1451.0     | 1613.0     | -          |
| 13    | 75.0             | 14                | 2                          | 1239.0     | 1989.0     | -          |
| 14    | 54.3             | 14                | 1                          | 1481.0     | -          | -          |
| 15    | 70.3             | 14                | 2                          | 1783.0     | 1334.0     | -          |



Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_28

Number of Bursts in Trial: 14

Chirp Center Frequency: 5326MHz

| Burst | Pulse Width<br>(us) | Chirp Width<br>(MHz) | Number of<br>Pulses per<br>Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------------|----------------------------------|------------|------------|------------|
| 1     | 78.0                | 13                   | 2                                | 1786.0     | 1231.0     | -          |
| 2     | 81.1                | 13                   | 2                                | 1377.0     | 1019.0     | -          |
| 3     | 63.6                | 13                   | 1                                | 1083.0     | -          | -          |
| 4     | 73.2                | 13                   | 2                                | 1048.0     | 1878.0     | -          |
| 5     | 96.0                | 13                   | 3                                | 1555.0     | 1704.0     | 1130.0     |
| 6     | 87.0                | 13                   | 3                                | 1492.0     | 1523.0     | 1526.0     |
| 7     | 94.9                | 13                   | 3                                | 1487.0     | 1218.0     | 1865.0     |
| 8     | 80.6                | 13                   | 2                                | 1278.0     | 1570.0     | -          |
| 9     | 96.0                | 13                   | 3                                | 1183.0     | 1531.0     | 1956.0     |
| 10    | 69.8                | 13                   | 2                                | 1467.0     | 1081.0     | -          |
| 11    | 57.1                | 13                   | 1                                | 1354.0     | -          | -          |
| 12    | 73.8                | 13                   | 2                                | 1646.0     | 1196.0     | -          |
| 13    | 91.2                | 13                   | 3                                | 1711.0     | 1410.0     | 1078.0     |
| 14    | 57.8                | 13                   | 1                                | 1742.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_29

Number of Bursts in Trial: 20

Chirp Center Frequency: 5320MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 69.6             | 20                | 2                          | 1161.0     | 1162.0     | -          |
| 2     | 74.4             | 20                | 2                          | 1607.0     | 1272.0     | -          |
| 3     | 66.4             | 20                | 1                          | 1866.0     | -          | -          |
| 4     | 71.7             | 20                | 2                          | 1089.0     | 1470.0     | -          |
| 5     | 50.2             | 20                | 1                          | 1503.0     | -          | -          |
| 6     | 63.4             | 20                | 1                          | 1762.0     | -          | -          |
| 7     | 57.4             | 20                | 1                          | 1595.0     | -          | -          |
| 8     | 64.3             | 20                | 1                          | 1003.0     | -          | -          |
| 9     | 54.6             | 20                | 1                          | 1476.0     | -          | -          |
| 10    | 81.9             | 20                | 2                          | 1154.0     | 1488.0     | -          |
| 11    | 62.8             | 20                | 1                          | 1942.0     | -          | -          |
| 12    | 58.8             | 20                | 1                          | 1825.0     | -          | -          |
| 13    | 96.0             | 20                | 3                          | 1173.0     | 1116.0     | 1095.0     |
| 14    | 76.8             | 20                | 2                          | 1024.0     | 1210.0     | -          |
| 15    | 51.9             | 20                | 1                          | 1463.0     | -          | -          |
| 16    | 71.7             | 20                | 2                          | 1286.0     | 1121.0     | -          |
| 17    | 80.9             | 20                | 2                          | 1756.0     | 1398.0     | -          |
| 18    | 64.9             | 20                | 1                          | 1805.0     | -          | -          |
| 19    | 92.5             | 20                | 3                          | 1801.0     | 1367.0     | 1594.0     |
| 20    | 91.7             | 20                | 3                          | 1559.0     | 1620.0     | 1122.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_30

Number of Bursts in Trial: 14

Chirp Center Frequency: 5323MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 95.8             | 13                | 3                          | 1915.0     | 1214.0     | 1551.0     |
| 2     | 67.3             | 13                | 2                          | 1979.0     | 1128.0     | -          |
| 3     | 70.5             | 13                | 2                          | 1920.0     | 1339.0     | -          |
| 4     | 75.7             | 13                | 2                          | 1000.0     | 1734.0     | -          |
| 5     | 73.0             | 13                | 2                          | 1149.0     | 1591.0     | -          |
| 6     | 61.8             | 13                | 1                          | 1681.0     | -          | -          |
| 7     | 52.4             | 13                | 1                          | 1567.0     | -          | -          |
| 8     | 75.8             | 13                | 2                          | 2000.0     | 1886.0     | -          |
| 9     | 54.8             | 13                | 1                          | 1117.0     | -          | -          |
| 10    | 91.6             | 13                | 3                          | 1233.0     | 1004.0     | 1413.0     |
| 11    | 89.5             | 13                | 3                          | 1416.0     | 1329.0     | 1007.0     |
| 12    | 86.0             | 13                | 3                          | 1614.0     | 1557.0     | 1822.0     |
| 13    | 83.0             | 13                | 2                          | 1863.0     | 1282.0     | -          |
| 14    | 74.4             | 13                | 2                          | 1269.0     | 1617.0     | -          |

| Type 6 Radar Statistical Performances |                  |                    |            |                         |
|---------------------------------------|------------------|--------------------|------------|-------------------------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Detection               |
| 1                                     | 9                | 1                  | 333.3      | Yes                     |
| 2                                     | 9                | 1                  | 333.3      | Yes                     |
| 3                                     | 9                | 1                  | 333.3      | Yes                     |
| 4                                     | 9                | 1                  | 333.3      | Yes                     |
| 5                                     | 9                | 1                  | 333.3      | Yes                     |
| 6                                     | 9                | 1                  | 333.3      | Yes                     |
| 7                                     | 9                | 1                  | 333.3      | Yes                     |
| 8                                     | 9                | 1                  | 333.3      | Yes                     |
| 9                                     | 9                | 1                  | 333.3      | Yes                     |
| 10                                    | 9                | 1                  | 333.3      | Yes                     |
| 11                                    | 9                | 1                  | 333.3      | Yes                     |
| 12                                    | 9                | 1                  | 333.3      | Yes                     |
| 13                                    | 9                | 1                  | 333.3      | Yes                     |
| 14                                    | 9                | 1                  | 333.3      | Yes                     |
| 15                                    | 9                | 1                  | 333.3      | Yes                     |
| 16                                    | 9                | 1                  | 333.3      | Yes                     |
| 17                                    | 9                | 1                  | 333.3      | Yes                     |
| 18                                    | 9                | 1                  | 333.3      | Yes                     |
| 19                                    | 9                | 1                  | 333.3      | Yes                     |
| 20                                    | 9                | 1                  | 333.3      | Yes                     |
| 21                                    | 9                | 1                  | 333.3      | Yes                     |
| 22                                    | 9                | 1                  | 333.3      | Yes                     |
| 23                                    | 9                | 1                  | 333.3      | Yes                     |
| 24                                    | 9                | 1                  | 333.3      | Yes                     |
| 25                                    | 9                | 1                  | 333.3      | Yes                     |
| 26                                    | 9                | 1                  | 333.3      | Yes                     |
| 27                                    | 9                | 1                  | 333.3      | Yes                     |
| 28                                    | 9                | 1                  | 333.3      | Yes                     |
| 29                                    | 9                | 1                  | 333.3      | Yes                     |
| 30                                    | 9                | 1                  | 333.3      | Yes                     |
|                                       |                  |                    |            | Detection Rate: 100.0 % |

| Type 6 Radar Statistical Performances |                                 |                         |
|---------------------------------------|---------------------------------|-------------------------|
| Trial #                               | Hopping Frequency Sequence Name | Detection               |
| 1                                     | HOP_FREQ_SEQ_01                 | Yes                     |
| 2                                     | HOP_FREQ_SEQ_02                 | Yes                     |
| 3                                     | HOP_FREQ_SEQ_03                 | Yes                     |
| 4                                     | HOP_FREQ_SEQ_04                 | Yes                     |
| 5                                     | HOP_FREQ_SEQ_05                 | Yes                     |
| 6                                     | HOP_FREQ_SEQ_06                 | Yes                     |
| 7                                     | HOP_FREQ_SEQ_07                 | Yes                     |
| 8                                     | HOP_FREQ_SEQ_08                 | Yes                     |
| 9                                     | HOP_FREQ_SEQ_09                 | Yes                     |
| 10                                    | HOP_FREQ_SEQ_10                 | Yes                     |
| 11                                    | HOP_FREQ_SEQ_11                 | Yes                     |
| 12                                    | HOP_FREQ_SEQ_12                 | Yes                     |
| 13                                    | HOP_FREQ_SEQ_13                 | Yes                     |
| 14                                    | HOP_FREQ_SEQ_14                 | Yes                     |
| 15                                    | HOP_FREQ_SEQ_15                 | Yes                     |
| 16                                    | HOP_FREQ_SEQ_16                 | Yes                     |
| 17                                    | HOP_FREQ_SEQ_17                 | Yes                     |
| 18                                    | HOP_FREQ_SEQ_18                 | Yes                     |
| 19                                    | HOP_FREQ_SEQ_19                 | Yes                     |
| 20                                    | HOP_FREQ_SEQ_20                 | Yes                     |
| 21                                    | HOP_FREQ_SEQ_21                 | Yes                     |
| 22                                    | HOP_FREQ_SEQ_22                 | Yes                     |
| 23                                    | HOP_FREQ_SEQ_23                 | Yes                     |
| 24                                    | HOP_FREQ_SEQ_24                 | Yes                     |
| 25                                    | HOP_FREQ_SEQ_25                 | Yes                     |
| 26                                    | HOP_FREQ_SEQ_26                 | Yes                     |
| 27                                    | HOP_FREQ_SEQ_27                 | Yes                     |
| 28                                    | HOP_FREQ_SEQ_28                 | Yes                     |
| 29                                    | HOP_FREQ_SEQ_29                 | Yes                     |
| 30                                    | HOP_FREQ_SEQ_30                 | Yes                     |
|                                       |                                 | Detection Rate: 100.0 % |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.540G         | 2    | 5.513G         | 3    | 5.526G         | 4    | 5.574G         |
| 5                                                | 5.501G         | 6    | 5.717G         | 7    | 5.590G         | 8    | 5.373G         |
| 9                                                | 5.338G         | 10   | 5.534G         | 11   | 5.388G         | 12   | 5.493G         |
| 13                                               | 5.447G         | 14   | 5.554G         | 15   | 5.593G         | 16   | 5.566G         |
| 17                                               | 5.688G         | 18   | 5.715G         | 19   | 5.350G         | 20   | 5.713G         |
| 21                                               | 5.404G         | 22   | 5.374G         | 23   | 5.571G         | 24   | 5.420G         |
| 25                                               | 5.588G         | 26   | 5.277G         | 27   | 5.407G         | 28   | 5.610G         |
| 29                                               | 5.278G         | 30   | 5.710G         | 31   | 5.366G         | 32   | 5.301G         |
| 33                                               | 5.666G         | 34   | 5.551G         | 35   | 5.531G         | 36   | 5.339G         |
| 37                                               | 5.410G         | 38   | 5.303G         | 39   | 5.267G         | 40   | 5.538G         |
| 41                                               | 5.327G         | 42   | 5.701G         | 43   | 5.358G         | 44   | 5.581G         |
| 45                                               | 5.408G         | 46   | 5.584G         | 47   | 5.477G         | 48   | 5.357G         |
| 49                                               | 5.703G         | 50   | 5.376G         | 51   | 5.683G         | 52   | 5.413G         |
| 53                                               | 5.662G         | 54   | 5.423G         | 55   | 5.632G         | 56   | 5.668G         |
| 57                                               | 5.619G         | 58   | 5.281G         | 59   | 5.429G         | 60   | 5.289G         |
| 61                                               | 5.306G         | 62   | 5.337G         | 63   | 5.596G         | 64   | 5.286G         |
| 65                                               | 5.592G         | 66   | 5.379G         | 67   | 5.362G         | 68   | 5.351G         |
| 69                                               | 5.433G         | 70   | 5.271G         | 71   | 5.384G         | 72   | 5.614G         |
| 73                                               | 5.504G         | 74   | 5.296G         | 75   | 5.712G         | 76   | 5.452G         |
| 77                                               | 5.687G         | 78   | 5.533G         | 79   | 5.599G         | 80   | 5.561G         |
| 81                                               | 5.293G         | 82   | 5.300G         | 83   | 5.302G         | 84   | 5.718G         |
| 85                                               | 5.291G         | 86   | 5.456G         | 87   | 5.505G         | 88   | 5.636G         |
| 89                                               | 5.367G         | 90   | 5.348G         | 91   | 5.527G         | 92   | 5.558G         |
| 93                                               | 5.640G         | 94   | 5.559G         | 95   | 5.436G         | 96   | 5.613G         |
| 97                                               | 5.472G         | 98   | 5.707G         | 99   | 5.607G         | 100  | 5.680G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.641G         | 2    | 5.581G         | 3    | 5.679G         | 4    | 5.580G         |
| 5                                                | 5.429G         | 6    | 5.315G         | 7    | 5.582G         | 8    | 5.604G         |
| 9                                                | 5.353G         | 10   | 5.255G         | 11   | 5.260G         | 12   | 5.425G         |
| 13                                               | 5.366G         | 14   | 5.343G         | 15   | 5.478G         | 16   | 5.310G         |
| 17                                               | 5.367G         | 18   | 5.288G         | 19   | 5.595G         | 20   | 5.719G         |
| 21                                               | 5.514G         | 22   | 5.630G         | 23   | 5.327G         | 24   | 5.606G         |
| 25                                               | 5.424G         | 26   | 5.662G         | 27   | 5.482G         | 28   | 5.683G         |
| 29                                               | 5.528G         | 30   | 5.289G         | 31   | 5.700G         | 32   | 5.541G         |
| 33                                               | 5.356G         | 34   | 5.585G         | 35   | 5.506G         | 36   | 5.297G         |
| 37                                               | 5.391G         | 38   | 5.505G         | 39   | 5.511G         | 40   | 5.333G         |
| 41                                               | 5.292G         | 42   | 5.572G         | 43   | 5.329G         | 44   | 5.553G         |
| 45                                               | 5.408G         | 46   | 5.612G         | 47   | 5.532G         | 48   | 5.423G         |
| 49                                               | 5.594G         | 50   | 5.495G         | 51   | 5.499G         | 52   | 5.607G         |
| 53                                               | 5.706G         | 54   | 5.525G         | 55   | 5.692G         | 56   | 5.390G         |
| 57                                               | 5.576G         | 58   | 5.270G         | 59   | 5.549G         | 60   | 5.468G         |
| 61                                               | 5.407G         | 62   | 5.455G         | 63   | 5.448G         | 64   | 5.565G         |
| 65                                               | 5.687G         | 66   | 5.656G         | 67   | 5.335G         | 68   | 5.649G         |
| 69                                               | 5.360G         | 70   | 5.349G         | 71   | 5.504G         | 72   | 5.661G         |
| 73                                               | 5.422G         | 74   | 5.328G         | 75   | 5.311G         | 76   | 5.307G         |
| 77                                               | 5.669G         | 78   | 5.561G         | 79   | 5.521G         | 80   | 5.342G         |
| 81                                               | 5.337G         | 82   | 5.518G         | 83   | 5.441G         | 84   | 5.436G         |
| 85                                               | 5.682G         | 86   | 5.562G         | 87   | 5.466G         | 88   | 5.539G         |
| 89                                               | 5.372G         | 90   | 5.534G         | 91   | 5.284G         | 92   | 5.537G         |
| 93                                               | 5.701G         | 94   | 5.384G         | 95   | 5.251G         | 96   | 5.445G         |
| 97                                               | 5.473G         | 98   | 5.388G         | 99   | 5.280G         | 100  | 5.285G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.284G         | 2    | 5.304G         | 3    | 5.456G         | 4    | 5.489G         |
| 5                                                | 5.670G         | 6    | 5.409G         | 7    | 5.574G         | 8    | 5.448G         |
| 9                                                | 5.581G         | 10   | 5.467G         | 11   | 5.637G         | 12   | 5.651G         |
| 13                                               | 5.641G         | 14   | 5.407G         | 15   | 5.281G         | 16   | 5.321G         |
| 17                                               | 5.428G         | 18   | 5.355G         | 19   | 5.260G         | 20   | 5.276G         |
| 21                                               | 5.435G         | 22   | 5.640G         | 23   | 5.683G         | 24   | 5.333G         |
| 25                                               | 5.382G         | 26   | 5.712G         | 27   | 5.391G         | 28   | 5.401G         |
| 29                                               | 5.554G         | 30   | 5.383G         | 31   | 5.261G         | 32   | 5.315G         |
| 33                                               | 5.563G         | 34   | 5.326G         | 35   | 5.652G         | 36   | 5.393G         |
| 37                                               | 5.280G         | 38   | 5.352G         | 39   | 5.588G         | 40   | 5.595G         |
| 41                                               | 5.498G         | 42   | 5.618G         | 43   | 5.596G         | 44   | 5.307G         |
| 45                                               | 5.720G         | 46   | 5.495G         | 47   | 5.542G         | 48   | 5.469G         |
| 49                                               | 5.617G         | 50   | 5.623G         | 51   | 5.723G         | 52   | 5.440G         |
| 53                                               | 5.350G         | 54   | 5.338G         | 55   | 5.332G         | 56   | 5.602G         |
| 57                                               | 5.277G         | 58   | 5.367G         | 59   | 5.572G         | 60   | 5.611G         |
| 61                                               | 5.294G         | 62   | 5.584G         | 63   | 5.529G         | 64   | 5.678G         |
| 65                                               | 5.501G         | 66   | 5.267G         | 67   | 5.536G         | 68   | 5.301G         |
| 69                                               | 5.516G         | 70   | 5.650G         | 71   | 5.664G         | 72   | 5.662G         |
| 73                                               | 5.263G         | 74   | 5.458G         | 75   | 5.528G         | 76   | 5.707G         |
| 77                                               | 5.717G         | 78   | 5.418G         | 79   | 5.560G         | 80   | 5.604G         |
| 81                                               | 5.644G         | 82   | 5.396G         | 83   | 5.416G         | 84   | 5.514G         |
| 85                                               | 5.526G         | 86   | 5.699G         | 87   | 5.443G         | 88   | 5.674G         |
| 89                                               | 5.411G         | 90   | 5.671G         | 91   | 5.510G         | 92   | 5.257G         |
| 93                                               | 5.436G         | 94   | 5.424G         | 95   | 5.459G         | 96   | 5.273G         |
| 97                                               | 5.685G         | 98   | 5.463G         | 99   | 5.288G         | 100  | 5.275G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.278G         | 2    | 5.505G         | 3    | 5.563G         | 4    | 5.422G         |
| 5                                                | 5.685G         | 6    | 5.270G         | 7    | 5.545G         | 8    | 5.321G         |
| 9                                                | 5.641G         | 10   | 5.680G         | 11   | 5.568G         | 12   | 5.284G         |
| 13                                               | 5.675G         | 14   | 5.542G         | 15   | 5.406G         | 16   | 5.426G         |
| 17                                               | 5.346G         | 18   | 5.327G         | 19   | 5.558G         | 20   | 5.423G         |
| 21                                               | 5.285G         | 22   | 5.434G         | 23   | 5.720G         | 24   | 5.538G         |
| 25                                               | 5.357G         | 26   | 5.286G         | 27   | 5.362G         | 28   | 5.522G         |
| 29                                               | 5.520G         | 30   | 5.438G         | 31   | 5.418G         | 32   | 5.448G         |
| 33                                               | 5.605G         | 34   | 5.451G         | 35   | 5.516G         | 36   | 5.319G         |
| 37                                               | 5.694G         | 38   | 5.671G         | 39   | 5.518G         | 40   | 5.553G         |
| 41                                               | 5.252G         | 42   | 5.395G         | 43   | 5.482G         | 44   | 5.419G         |
| 45                                               | 5.397G         | 46   | 5.716G         | 47   | 5.349G         | 48   | 5.661G         |
| 49                                               | 5.296G         | 50   | 5.693G         | 51   | 5.414G         | 52   | 5.670G         |
| 53                                               | 5.356G         | 54   | 5.527G         | 55   | 5.704G         | 56   | 5.566G         |
| 57                                               | 5.429G         | 58   | 5.592G         | 59   | 5.353G         | 60   | 5.361G         |
| 61                                               | 5.475G         | 62   | 5.636G         | 63   | 5.508G         | 64   | 5.718G         |
| 65                                               | 5.484G         | 66   | 5.405G         | 67   | 5.348G         | 68   | 5.650G         |
| 69                                               | 5.412G         | 70   | 5.607G         | 71   | 5.294G         | 72   | 5.721G         |
| 73                                               | 5.565G         | 74   | 5.379G         | 75   | 5.279G         | 76   | 5.433G         |
| 77                                               | 5.578G         | 78   | 5.610G         | 79   | 5.477G         | 80   | 5.571G         |
| 81                                               | 5.276G         | 82   | 5.495G         | 83   | 5.308G         | 84   | 5.698G         |
| 85                                               | 5.572G         | 86   | 5.398G         | 87   | 5.387G         | 88   | 5.597G         |
| 89                                               | 5.688G         | 90   | 5.590G         | 91   | 5.485G         | 92   | 5.497G         |
| 93                                               | 5.253G         | 94   | 5.617G         | 95   | 5.632G         | 96   | 5.363G         |
| 97                                               | 5.628G         | 98   | 5.376G         | 99   | 5.282G         | 100  | 5.490G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.535G         | 2    | 5.444G         | 3    | 5.468G         | 4    | 5.719G         |
| 5                                                | 5.264G         | 6    | 5.349G         | 7    | 5.554G         | 8    | 5.387G         |
| 9                                                | 5.462G         | 10   | 5.632G         | 11   | 5.490G         | 12   | 5.478G         |
| 13                                               | 5.340G         | 14   | 5.494G         | 15   | 5.323G         | 16   | 5.320G         |
| 17                                               | 5.560G         | 18   | 5.435G         | 19   | 5.367G         | 20   | 5.544G         |
| 21                                               | 5.519G         | 22   | 5.401G         | 23   | 5.616G         | 24   | 5.485G         |
| 25                                               | 5.477G         | 26   | 5.482G         | 27   | 5.669G         | 28   | 5.553G         |
| 29                                               | 5.682G         | 30   | 5.308G         | 31   | 5.293G         | 32   | 5.496G         |
| 33                                               | 5.480G         | 34   | 5.593G         | 35   | 5.268G         | 36   | 5.324G         |
| 37                                               | 5.657G         | 38   | 5.587G         | 39   | 5.712G         | 40   | 5.635G         |
| 41                                               | 5.473G         | 42   | 5.441G         | 43   | 5.442G         | 44   | 5.649G         |
| 45                                               | 5.597G         | 46   | 5.517G         | 47   | 5.279G         | 48   | 5.454G         |
| 49                                               | 5.689G         | 50   | 5.456G         | 51   | 5.529G         | 52   | 5.391G         |
| 53                                               | 5.515G         | 54   | 5.350G         | 55   | 5.434G         | 56   | 5.505G         |
| 57                                               | 5.539G         | 58   | 5.582G         | 59   | 5.604G         | 60   | 5.370G         |
| 61                                               | 5.413G         | 62   | 5.414G         | 63   | 5.285G         | 64   | 5.605G         |
| 65                                               | 5.648G         | 66   | 5.345G         | 67   | 5.489G         | 68   | 5.671G         |
| 69                                               | 5.540G         | 70   | 5.289G         | 71   | 5.598G         | 72   | 5.542G         |
| 73                                               | 5.636G         | 74   | 5.381G         | 75   | 5.347G         | 76   | 5.522G         |
| 77                                               | 5.711G         | 78   | 5.693G         | 79   | 5.319G         | 80   | 5.431G         |
| 81                                               | 5.501G         | 82   | 5.486G         | 83   | 5.280G         | 84   | 5.647G         |
| 85                                               | 5.398G         | 86   | 5.259G         | 87   | 5.570G         | 88   | 5.504G         |
| 89                                               | 5.558G         | 90   | 5.426G         | 91   | 5.706G         | 92   | 5.291G         |
| 93                                               | 5.253G         | 94   | 5.662G         | 95   | 5.362G         | 96   | 5.667G         |
| 97                                               | 5.590G         | 98   | 5.569G         | 99   | 5.531G         | 100  | 5.405G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.642G         | 2    | 5.685G         | 3    | 5.613G         | 4    | 5.701G         |
| 5                                                | 5.526G         | 6    | 5.604G         | 7    | 5.329G         | 8    | 5.551G         |
| 9                                                | 5.624G         | 10   | 5.389G         | 11   | 5.696G         | 12   | 5.599G         |
| 13                                               | 5.323G         | 14   | 5.274G         | 15   | 5.293G         | 16   | 5.416G         |
| 17                                               | 5.720G         | 18   | 5.453G         | 19   | 5.655G         | 20   | 5.608G         |
| 21                                               | 5.344G         | 22   | 5.349G         | 23   | 5.399G         | 24   | 5.605G         |
| 25                                               | 5.326G         | 26   | 5.693G         | 27   | 5.674G         | 28   | 5.255G         |
| 29                                               | 5.370G         | 30   | 5.285G         | 31   | 5.666G         | 32   | 5.578G         |
| 33                                               | 5.260G         | 34   | 5.275G         | 35   | 5.409G         | 36   | 5.715G         |
| 37                                               | 5.660G         | 38   | 5.460G         | 39   | 5.324G         | 40   | 5.509G         |
| 41                                               | 5.712G         | 42   | 5.312G         | 43   | 5.480G         | 44   | 5.375G         |
| 45                                               | 5.681G         | 46   | 5.631G         | 47   | 5.714G         | 48   | 5.512G         |
| 49                                               | 5.445G         | 50   | 5.514G         | 51   | 5.354G         | 52   | 5.483G         |
| 53                                               | 5.490G         | 54   | 5.654G         | 55   | 5.386G         | 56   | 5.291G         |
| 57                                               | 5.476G         | 58   | 5.716G         | 59   | 5.362G         | 60   | 5.265G         |
| 61                                               | 5.680G         | 62   | 5.439G         | 63   | 5.541G         | 64   | 5.573G         |
| 65                                               | 5.682G         | 66   | 5.644G         | 67   | 5.414G         | 68   | 5.422G         |
| 69                                               | 5.668G         | 70   | 5.677G         | 71   | 5.609G         | 72   | 5.705G         |
| 73                                               | 5.473G         | 74   | 5.517G         | 75   | 5.482G         | 76   | 5.549G         |
| 77                                               | 5.360G         | 78   | 5.485G         | 79   | 5.684G         | 80   | 5.317G         |
| 81                                               | 5.264G         | 82   | 5.711G         | 83   | 5.355G         | 84   | 5.596G         |
| 85                                               | 5.300G         | 86   | 5.592G         | 87   | 5.303G         | 88   | 5.594G         |
| 89                                               | 5.579G         | 90   | 5.649G         | 91   | 5.340G         | 92   | 5.667G         |
| 93                                               | 5.643G         | 94   | 5.575G         | 95   | 5.396G         | 96   | 5.436G         |
| 97                                               | 5.437G         | 98   | 5.408G         | 99   | 5.561G         | 100  | 5.421G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.597G         | 2    | 5.360G         | 3    | 5.666G         | 4    | 5.431G         |
| 5                                                | 5.587G         | 6    | 5.521G         | 7    | 5.471G         | 8    | 5.553G         |
| 9                                                | 5.676G         | 10   | 5.338G         | 11   | 5.722G         | 12   | 5.347G         |
| 13                                               | 5.458G         | 14   | 5.498G         | 15   | 5.620G         | 16   | 5.641G         |
| 17                                               | 5.596G         | 18   | 5.295G         | 19   | 5.317G         | 20   | 5.605G         |
| 21                                               | 5.532G         | 22   | 5.650G         | 23   | 5.558G         | 24   | 5.700G         |
| 25                                               | 5.495G         | 26   | 5.481G         | 27   | 5.485G         | 28   | 5.390G         |
| 29                                               | 5.656G         | 30   | 5.648G         | 31   | 5.365G         | 32   | 5.708G         |
| 33                                               | 5.371G         | 34   | 5.441G         | 35   | 5.702G         | 36   | 5.504G         |
| 37                                               | 5.261G         | 38   | 5.398G         | 39   | 5.392G         | 40   | 5.572G         |
| 41                                               | 5.683G         | 42   | 5.567G         | 43   | 5.585G         | 44   | 5.623G         |
| 45                                               | 5.569G         | 46   | 5.256G         | 47   | 5.505G         | 48   | 5.649G         |
| 49                                               | 5.426G         | 50   | 5.264G         | 51   | 5.640G         | 52   | 5.690G         |
| 53                                               | 5.520G         | 54   | 5.466G         | 55   | 5.593G         | 56   | 5.568G         |
| 57                                               | 5.325G         | 58   | 5.383G         | 59   | 5.300G         | 60   | 5.389G         |
| 61                                               | 5.469G         | 62   | 5.253G         | 63   | 5.285G         | 64   | 5.724G         |
| 65                                               | 5.538G         | 66   | 5.467G         | 67   | 5.519G         | 68   | 5.686G         |
| 69                                               | 5.539G         | 70   | 5.313G         | 71   | 5.713G         | 72   | 5.312G         |
| 73                                               | 5.654G         | 74   | 5.299G         | 75   | 5.446G         | 76   | 5.366G         |
| 77                                               | 5.320G         | 78   | 5.479G         | 79   | 5.492G         | 80   | 5.340G         |
| 81                                               | 5.548G         | 82   | 5.671G         | 83   | 5.698G         | 84   | 5.674G         |
| 85                                               | 5.343G         | 86   | 5.710G         | 87   | 5.443G         | 88   | 5.503G         |
| 89                                               | 5.599G         | 90   | 5.474G         | 91   | 5.502G         | 92   | 5.437G         |
| 93                                               | 5.263G         | 94   | 5.604G         | 95   | 5.393G         | 96   | 5.372G         |
| 97                                               | 5.369G         | 98   | 5.262G         | 99   | 5.711G         | 100  | 5.527G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.667G         | 2    | 5.626G         | 3    | 5.314G         | 4    | 5.440G         |
| 5                                                | 5.527G         | 6    | 5.365G         | 7    | 5.653G         | 8    | 5.652G         |
| 9                                                | 5.469G         | 10   | 5.694G         | 11   | 5.496G         | 12   | 5.634G         |
| 13                                               | 5.517G         | 14   | 5.354G         | 15   | 5.481G         | 16   | 5.505G         |
| 17                                               | 5.292G         | 18   | 5.254G         | 19   | 5.569G         | 20   | 5.649G         |
| 21                                               | 5.433G         | 22   | 5.604G         | 23   | 5.404G         | 24   | 5.349G         |
| 25                                               | 5.416G         | 26   | 5.551G         | 27   | 5.603G         | 28   | 5.561G         |
| 29                                               | 5.386G         | 30   | 5.648G         | 31   | 5.369G         | 32   | 5.252G         |
| 33                                               | 5.635G         | 34   | 5.605G         | 35   | 5.399G         | 36   | 5.485G         |
| 37                                               | 5.391G         | 38   | 5.641G         | 39   | 5.518G         | 40   | 5.607G         |
| 41                                               | 5.529G         | 42   | 5.590G         | 43   | 5.520G         | 44   | 5.514G         |
| 45                                               | 5.409G         | 46   | 5.336G         | 47   | 5.567G         | 48   | 5.679G         |
| 49                                               | 5.698G         | 50   | 5.594G         | 51   | 5.564G         | 52   | 5.419G         |
| 53                                               | 5.657G         | 54   | 5.668G         | 55   | 5.689G         | 56   | 5.306G         |
| 57                                               | 5.385G         | 58   | 5.278G         | 59   | 5.688G         | 60   | 5.423G         |
| 61                                               | 5.674G         | 62   | 5.536G         | 63   | 5.544G         | 64   | 5.435G         |
| 65                                               | 5.251G         | 66   | 5.601G         | 67   | 5.438G         | 68   | 5.280G         |
| 69                                               | 5.260G         | 70   | 5.288G         | 71   | 5.711G         | 72   | 5.389G         |
| 73                                               | 5.640G         | 74   | 5.556G         | 75   | 5.664G         | 76   | 5.718G         |
| 77                                               | 5.677G         | 78   | 5.651G         | 79   | 5.277G         | 80   | 5.420G         |
| 81                                               | 5.300G         | 82   | 5.683G         | 83   | 5.573G         | 84   | 5.702G         |
| 85                                               | 5.256G         | 86   | 5.684G         | 87   | 5.533G         | 88   | 5.362G         |
| 89                                               | 5.443G         | 90   | 5.712G         | 91   | 5.612G         | 92   | 5.606G         |
| 93                                               | 5.491G         | 94   | 5.364G         | 95   | 5.338G         | 96   | 5.417G         |
| 97                                               | 5.428G         | 98   | 5.553G         | 99   | 5.595G         | 100  | 5.583G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.652G         | 2    | 5.260G         | 3    | 5.508G         | 4    | 5.643G         |
| 5                                                | 5.653G         | 6    | 5.659G         | 7    | 5.381G         | 8    | 5.683G         |
| 9                                                | 5.724G         | 10   | 5.711G         | 11   | 5.577G         | 12   | 5.333G         |
| 13                                               | 5.682G         | 14   | 5.307G         | 15   | 5.258G         | 16   | 5.603G         |
| 17                                               | 5.605G         | 18   | 5.534G         | 19   | 5.520G         | 20   | 5.491G         |
| 21                                               | 5.367G         | 22   | 5.672G         | 23   | 5.355G         | 24   | 5.372G         |
| 25                                               | 5.651G         | 26   | 5.541G         | 27   | 5.274G         | 28   | 5.666G         |
| 29                                               | 5.498G         | 30   | 5.336G         | 31   | 5.420G         | 32   | 5.701G         |
| 33                                               | 5.496G         | 34   | 5.707G         | 35   | 5.361G         | 36   | 5.608G         |
| 37                                               | 5.582G         | 38   | 5.631G         | 39   | 5.289G         | 40   | 5.386G         |
| 41                                               | 5.568G         | 42   | 5.671G         | 43   | 5.455G         | 44   | 5.279G         |
| 45                                               | 5.558G         | 46   | 5.595G         | 47   | 5.363G         | 48   | 5.352G         |
| 49                                               | 5.549G         | 50   | 5.434G         | 51   | 5.602G         | 52   | 5.362G         |
| 53                                               | 5.379G         | 54   | 5.419G         | 55   | 5.554G         | 56   | 5.686G         |
| 57                                               | 5.366G         | 58   | 5.516G         | 59   | 5.285G         | 60   | 5.405G         |
| 61                                               | 5.319G         | 62   | 5.596G         | 63   | 5.394G         | 64   | 5.385G         |
| 65                                               | 5.356G         | 66   | 5.300G         | 67   | 5.641G         | 68   | 5.280G         |
| 69                                               | 5.332G         | 70   | 5.626G         | 71   | 5.674G         | 72   | 5.295G         |
| 73                                               | 5.664G         | 74   | 5.600G         | 75   | 5.523G         | 76   | 5.440G         |
| 77                                               | 5.286G         | 78   | 5.490G         | 79   | 5.259G         | 80   | 5.593G         |
| 81                                               | 5.531G         | 82   | 5.634G         | 83   | 5.489G         | 84   | 5.559G         |
| 85                                               | 5.527G         | 86   | 5.578G         | 87   | 5.322G         | 88   | 5.589G         |
| 89                                               | 5.709G         | 90   | 5.525G         | 91   | 5.535G         | 92   | 5.537G         |
| 93                                               | 5.636G         | 94   | 5.521G         | 95   | 5.323G         | 96   | 5.716G         |
| 97                                               | 5.611G         | 98   | 5.632G         | 99   | 5.282G         | 100  | 5.598G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.448G         | 2    | 5.353G         | 3    | 5.542G         | 4    | 5.384G         |
| 5                                                | 5.676G         | 6    | 5.609G         | 7    | 5.518G         | 8    | 5.454G         |
| 9                                                | 5.662G         | 10   | 5.516G         | 11   | 5.357G         | 12   | 5.406G         |
| 13                                               | 5.491G         | 14   | 5.438G         | 15   | 5.408G         | 16   | 5.263G         |
| 17                                               | 5.625G         | 18   | 5.559G         | 19   | 5.652G         | 20   | 5.280G         |
| 21                                               | 5.577G         | 22   | 5.254G         | 23   | 5.556G         | 24   | 5.472G         |
| 25                                               | 5.672G         | 26   | 5.282G         | 27   | 5.639G         | 28   | 5.527G         |
| 29                                               | 5.612G         | 30   | 5.569G         | 31   | 5.555G         | 32   | 5.630G         |
| 33                                               | 5.347G         | 34   | 5.607G         | 35   | 5.647G         | 36   | 5.425G         |
| 37                                               | 5.422G         | 38   | 5.329G         | 39   | 5.501G         | 40   | 5.704G         |
| 41                                               | 5.364G         | 42   | 5.374G         | 43   | 5.702G         | 44   | 5.554G         |
| 45                                               | 5.644G         | 46   | 5.277G         | 47   | 5.626G         | 48   | 5.418G         |
| 49                                               | 5.587G         | 50   | 5.604G         | 51   | 5.677G         | 52   | 5.558G         |
| 53                                               | 5.568G         | 54   | 5.534G         | 55   | 5.497G         | 56   | 5.401G         |
| 57                                               | 5.252G         | 58   | 5.466G         | 59   | 5.571G         | 60   | 5.584G         |
| 61                                               | 5.714G         | 62   | 5.682G         | 63   | 5.552G         | 64   | 5.610G         |
| 65                                               | 5.597G         | 66   | 5.392G         | 67   | 5.370G         | 68   | 5.456G         |
| 69                                               | 5.316G         | 70   | 5.274G         | 71   | 5.506G         | 72   | 5.523G         |
| 73                                               | 5.537G         | 74   | 5.533G         | 75   | 5.546G         | 76   | 5.645G         |
| 77                                               | 5.276G         | 78   | 5.505G         | 79   | 5.484G         | 80   | 5.684G         |
| 81                                               | 5.679G         | 82   | 5.259G         | 83   | 5.285G         | 84   | 5.668G         |
| 85                                               | 5.723G         | 86   | 5.656G         | 87   | 5.673G         | 88   | 5.255G         |
| 89                                               | 5.594G         | 90   | 5.339G         | 91   | 5.268G         | 92   | 5.502G         |
| 93                                               | 5.496G         | 94   | 5.503G         | 95   | 5.323G         | 96   | 5.273G         |
| 97                                               | 5.342G         | 98   | 5.711G         | 99   | 5.410G         | 100  | 5.661G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.407G         | 2    | 5.441G         | 3    | 5.498G         | 4    | 5.515G         |
| 5                                                | 5.358G         | 6    | 5.316G         | 7    | 5.659G         | 8    | 5.695G         |
| 9                                                | 5.542G         | 10   | 5.393G         | 11   | 5.592G         | 12   | 5.682G         |
| 13                                               | 5.332G         | 14   | 5.675G         | 15   | 5.608G         | 16   | 5.588G         |
| 17                                               | 5.578G         | 18   | 5.291G         | 19   | 5.614G         | 20   | 5.282G         |
| 21                                               | 5.648G         | 22   | 5.476G         | 23   | 5.273G         | 24   | 5.312G         |
| 25                                               | 5.697G         | 26   | 5.658G         | 27   | 5.349G         | 28   | 5.600G         |
| 29                                               | 5.279G         | 30   | 5.431G         | 31   | 5.484G         | 32   | 5.372G         |
| 33                                               | 5.283G         | 34   | 5.378G         | 35   | 5.401G         | 36   | 5.505G         |
| 37                                               | 5.471G         | 38   | 5.295G         | 39   | 5.470G         | 40   | 5.341G         |
| 41                                               | 5.669G         | 42   | 5.366G         | 43   | 5.290G         | 44   | 5.475G         |
| 45                                               | 5.549G         | 46   | 5.633G         | 47   | 5.430G         | 48   | 5.539G         |
| 49                                               | 5.425G         | 50   | 5.387G         | 51   | 5.511G         | 52   | 5.373G         |
| 53                                               | 5.514G         | 54   | 5.634G         | 55   | 5.297G         | 56   | 5.461G         |
| 57                                               | 5.392G         | 58   | 5.516G         | 59   | 5.270G         | 60   | 5.280G         |
| 61                                               | 5.427G         | 62   | 5.570G         | 63   | 5.289G         | 64   | 5.310G         |
| 65                                               | 5.411G         | 66   | 5.412G         | 67   | 5.711G         | 68   | 5.568G         |
| 69                                               | 5.386G         | 70   | 5.655G         | 71   | 5.409G         | 72   | 5.374G         |
| 73                                               | 5.437G         | 74   | 5.302G         | 75   | 5.617G         | 76   | 5.572G         |
| 77                                               | 5.370G         | 78   | 5.667G         | 79   | 5.601G         | 80   | 5.447G         |
| 81                                               | 5.551G         | 82   | 5.525G         | 83   | 5.292G         | 84   | 5.481G         |
| 85                                               | 5.571G         | 86   | 5.605G         | 87   | 5.395G         | 88   | 5.496G         |
| 89                                               | 5.402G         | 90   | 5.644G         | 91   | 5.631G         | 92   | 5.432G         |
| 93                                               | 5.694G         | 94   | 5.662G         | 95   | 5.540G         | 96   | 5.489G         |
| 97                                               | 5.463G         | 98   | 5.521G         | 99   | 5.486G         | 100  | 5.616G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.544G         | 2    | 5.339G         | 3    | 5.529G         | 4    | 5.472G         |
| 5                                                | 5.508G         | 6    | 5.431G         | 7    | 5.596G         | 8    | 5.270G         |
| 9                                                | 5.327G         | 10   | 5.379G         | 11   | 5.662G         | 12   | 5.462G         |
| 13                                               | 5.273G         | 14   | 5.617G         | 15   | 5.651G         | 16   | 5.377G         |
| 17                                               | 5.686G         | 18   | 5.415G         | 19   | 5.488G         | 20   | 5.380G         |
| 21                                               | 5.351G         | 22   | 5.688G         | 23   | 5.260G         | 24   | 5.530G         |
| 25                                               | 5.589G         | 26   | 5.703G         | 27   | 5.632G         | 28   | 5.609G         |
| 29                                               | 5.333G         | 30   | 5.286G         | 31   | 5.507G         | 32   | 5.693G         |
| 33                                               | 5.664G         | 34   | 5.582G         | 35   | 5.461G         | 36   | 5.358G         |
| 37                                               | 5.667G         | 38   | 5.555G         | 39   | 5.367G         | 40   | 5.570G         |
| 41                                               | 5.711G         | 42   | 5.372G         | 43   | 5.537G         | 44   | 5.267G         |
| 45                                               | 5.301G         | 46   | 5.585G         | 47   | 5.288G         | 48   | 5.583G         |
| 49                                               | 5.398G         | 50   | 5.421G         | 51   | 5.291G         | 52   | 5.445G         |
| 53                                               | 5.541G         | 54   | 5.504G         | 55   | 5.384G         | 56   | 5.299G         |
| 57                                               | 5.543G         | 58   | 5.556G         | 59   | 5.496G         | 60   | 5.477G         |
| 61                                               | 5.423G         | 62   | 5.678G         | 63   | 5.624G         | 64   | 5.353G         |
| 65                                               | 5.413G         | 66   | 5.296G         | 67   | 5.706G         | 68   | 5.685G         |
| 69                                               | 5.473G         | 70   | 5.722G         | 71   | 5.424G         | 72   | 5.525G         |
| 73                                               | 5.674G         | 74   | 5.359G         | 75   | 5.325G         | 76   | 5.489G         |
| 77                                               | 5.614G         | 78   | 5.622G         | 79   | 5.294G         | 80   | 5.573G         |
| 81                                               | 5.494G         | 82   | 5.326G         | 83   | 5.394G         | 84   | 5.482G         |
| 85                                               | 5.650G         | 86   | 5.435G         | 87   | 5.659G         | 88   | 5.400G         |
| 89                                               | 5.637G         | 90   | 5.355G         | 91   | 5.258G         | 92   | 5.449G         |
| 93                                               | 5.718G         | 94   | 5.676G         | 95   | 5.447G         | 96   | 5.549G         |
| 97                                               | 5.640G         | 98   | 5.645G         | 99   | 5.276G         | 100  | 5.533G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.358G         | 2    | 5.430G         | 3    | 5.615G         | 4    | 5.653G         |
| 5                                                | 5.439G         | 6    | 5.310G         | 7    | 5.399G         | 8    | 5.722G         |
| 9                                                | 5.721G         | 10   | 5.494G         | 11   | 5.352G         | 12   | 5.449G         |
| 13                                               | 5.538G         | 14   | 5.337G         | 15   | 5.438G         | 16   | 5.262G         |
| 17                                               | 5.307G         | 18   | 5.409G         | 19   | 5.503G         | 20   | 5.419G         |
| 21                                               | 5.487G         | 22   | 5.282G         | 23   | 5.417G         | 24   | 5.295G         |
| 25                                               | 5.644G         | 26   | 5.622G         | 27   | 5.383G         | 28   | 5.334G         |
| 29                                               | 5.692G         | 30   | 5.658G         | 31   | 5.598G         | 32   | 5.372G         |
| 33                                               | 5.573G         | 34   | 5.576G         | 35   | 5.491G         | 36   | 5.621G         |
| 37                                               | 5.380G         | 38   | 5.586G         | 39   | 5.527G         | 40   | 5.698G         |
| 41                                               | 5.342G         | 42   | 5.275G         | 43   | 5.492G         | 44   | 5.630G         |
| 45                                               | 5.529G         | 46   | 5.724G         | 47   | 5.269G         | 48   | 5.411G         |
| 49                                               | 5.474G         | 50   | 5.608G         | 51   | 5.553G         | 52   | 5.602G         |
| 53                                               | 5.429G         | 54   | 5.478G         | 55   | 5.312G         | 56   | 5.318G         |
| 57                                               | 5.673G         | 58   | 5.297G         | 59   | 5.369G         | 60   | 5.377G         |
| 61                                               | 5.375G         | 62   | 5.285G         | 63   | 5.558G         | 64   | 5.260G         |
| 65                                               | 5.390G         | 66   | 5.268G         | 67   | 5.656G         | 68   | 5.370G         |
| 69                                               | 5.596G         | 70   | 5.605G         | 71   | 5.591G         | 72   | 5.629G         |
| 73                                               | 5.506G         | 74   | 5.351G         | 75   | 5.281G         | 76   | 5.336G         |
| 77                                               | 5.524G         | 78   | 5.521G         | 79   | 5.461G         | 80   | 5.367G         |
| 81                                               | 5.296G         | 82   | 5.347G         | 83   | 5.435G         | 84   | 5.329G         |
| 85                                               | 5.340G         | 86   | 5.299G         | 87   | 5.680G         | 88   | 5.448G         |
| 89                                               | 5.261G         | 90   | 5.510G         | 91   | 5.265G         | 92   | 5.555G         |
| 93                                               | 5.595G         | 94   | 5.457G         | 95   | 5.280G         | 96   | 5.359G         |
| 97                                               | 5.410G         | 98   | 5.509G         | 99   | 5.379G         | 100  | 5.447G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.393G         | 2    | 5.673G         | 3    | 5.362G         | 4    | 5.390G         |
| 5                                                | 5.528G         | 6    | 5.625G         | 7    | 5.315G         | 8    | 5.383G         |
| 9                                                | 5.653G         | 10   | 5.342G         | 11   | 5.572G         | 12   | 5.613G         |
| 13                                               | 5.252G         | 14   | 5.520G         | 15   | 5.685G         | 16   | 5.292G         |
| 17                                               | 5.268G         | 18   | 5.450G         | 19   | 5.259G         | 20   | 5.674G         |
| 21                                               | 5.321G         | 22   | 5.371G         | 23   | 5.531G         | 24   | 5.381G         |
| 25                                               | 5.284G         | 26   | 5.403G         | 27   | 5.599G         | 28   | 5.549G         |
| 29                                               | 5.400G         | 30   | 5.482G         | 31   | 5.281G         | 32   | 5.454G         |
| 33                                               | 5.689G         | 34   | 5.290G         | 35   | 5.481G         | 36   | 5.540G         |
| 37                                               | 5.571G         | 38   | 5.368G         | 39   | 5.440G         | 40   | 5.555G         |
| 41                                               | 5.607G         | 42   | 5.399G         | 43   | 5.713G         | 44   | 5.301G         |
| 45                                               | 5.423G         | 46   | 5.369G         | 47   | 5.445G         | 48   | 5.566G         |
| 49                                               | 5.574G         | 50   | 5.724G         | 51   | 5.639G         | 52   | 5.406G         |
| 53                                               | 5.407G         | 54   | 5.543G         | 55   | 5.476G         | 56   | 5.660G         |
| 57                                               | 5.633G         | 58   | 5.700G         | 59   | 5.417G         | 60   | 5.439G         |
| 61                                               | 5.589G         | 62   | 5.585G         | 63   | 5.435G         | 64   | 5.500G         |
| 65                                               | 5.715G         | 66   | 5.280G         | 67   | 5.697G         | 68   | 5.366G         |
| 69                                               | 5.442G         | 70   | 5.558G         | 71   | 5.286G         | 72   | 5.448G         |
| 73                                               | 5.716G         | 74   | 5.508G         | 75   | 5.634G         | 76   | 5.488G         |
| 77                                               | 5.657G         | 78   | 5.554G         | 79   | 5.461G         | 80   | 5.721G         |
| 81                                               | 5.517G         | 82   | 5.269G         | 83   | 5.584G         | 84   | 5.693G         |
| 85                                               | 5.587G         | 86   | 5.502G         | 87   | 5.431G         | 88   | 5.405G         |
| 89                                               | 5.272G         | 90   | 5.707G         | 91   | 5.667G         | 92   | 5.418G         |
| 93                                               | 5.662G         | 94   | 5.387G         | 95   | 5.610G         | 96   | 5.536G         |
| 97                                               | 5.485G         | 98   | 5.605G         | 99   | 5.526G         | 100  | 5.279G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.293G         | 2    | 5.401G         | 3    | 5.260G         | 4    | 5.640G         |
| 5                                                | 5.308G         | 6    | 5.684G         | 7    | 5.527G         | 8    | 5.417G         |
| 9                                                | 5.419G         | 10   | 5.660G         | 11   | 5.495G         | 12   | 5.628G         |
| 13                                               | 5.363G         | 14   | 5.470G         | 15   | 5.517G         | 16   | 5.412G         |
| 17                                               | 5.446G         | 18   | 5.302G         | 19   | 5.567G         | 20   | 5.712G         |
| 21                                               | 5.272G         | 22   | 5.335G         | 23   | 5.582G         | 24   | 5.500G         |
| 25                                               | 5.311G         | 26   | 5.550G         | 27   | 5.378G         | 28   | 5.601G         |
| 29                                               | 5.671G         | 30   | 5.667G         | 31   | 5.452G         | 32   | 5.271G         |
| 33                                               | 5.283G         | 34   | 5.719G         | 35   | 5.536G         | 36   | 5.652G         |
| 37                                               | 5.526G         | 38   | 5.481G         | 39   | 5.657G         | 40   | 5.254G         |
| 41                                               | 5.343G         | 42   | 5.505G         | 43   | 5.542G         | 44   | 5.483G         |
| 45                                               | 5.342G         | 46   | 5.259G         | 47   | 5.710G         | 48   | 5.545G         |
| 49                                               | 5.410G         | 50   | 5.516G         | 51   | 5.489G         | 52   | 5.696G         |
| 53                                               | 5.512G         | 54   | 5.554G         | 55   | 5.571G         | 56   | 5.433G         |
| 57                                               | 5.445G         | 58   | 5.634G         | 59   | 5.345G         | 60   | 5.434G         |
| 61                                               | 5.716G         | 62   | 5.613G         | 63   | 5.541G         | 64   | 5.268G         |
| 65                                               | 5.282G         | 66   | 5.252G         | 67   | 5.442G         | 68   | 5.488G         |
| 69                                               | 5.703G         | 70   | 5.586G         | 71   | 5.349G         | 72   | 5.544G         |
| 73                                               | 5.325G         | 74   | 5.514G         | 75   | 5.456G         | 76   | 5.508G         |
| 77                                               | 5.403G         | 78   | 5.387G         | 79   | 5.406G         | 80   | 5.653G         |
| 81                                               | 5.497G         | 82   | 5.454G         | 83   | 5.307G         | 84   | 5.430G         |
| 85                                               | 5.377G         | 86   | 5.431G         | 87   | 5.382G         | 88   | 5.539G         |
| 89                                               | 5.251G         | 90   | 5.420G         | 91   | 5.638G         | 92   | 5.676G         |
| 93                                               | 5.592G         | 94   | 5.579G         | 95   | 5.463G         | 96   | 5.678G         |
| 97                                               | 5.262G         | 98   | 5.364G         | 99   | 5.388G         | 100  | 5.261G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.700G         | 2    | 5.350G         | 3    | 5.410G         | 4    | 5.401G         |
| 5                                                | 5.669G         | 6    | 5.409G         | 7    | 5.462G         | 8    | 5.338G         |
| 9                                                | 5.266G         | 10   | 5.526G         | 11   | 5.681G         | 12   | 5.337G         |
| 13                                               | 5.420G         | 14   | 5.267G         | 15   | 5.516G         | 16   | 5.629G         |
| 17                                               | 5.389G         | 18   | 5.299G         | 19   | 5.490G         | 20   | 5.398G         |
| 21                                               | 5.380G         | 22   | 5.418G         | 23   | 5.523G         | 24   | 5.655G         |
| 25                                               | 5.360G         | 26   | 5.328G         | 27   | 5.397G         | 28   | 5.639G         |
| 29                                               | 5.417G         | 30   | 5.423G         | 31   | 5.540G         | 32   | 5.342G         |
| 33                                               | 5.656G         | 34   | 5.296G         | 35   | 5.491G         | 36   | 5.635G         |
| 37                                               | 5.395G         | 38   | 5.255G         | 39   | 5.556G         | 40   | 5.254G         |
| 41                                               | 5.278G         | 42   | 5.648G         | 43   | 5.295G         | 44   | 5.576G         |
| 45                                               | 5.686G         | 46   | 5.569G         | 47   | 5.439G         | 48   | 5.476G         |
| 49                                               | 5.614G         | 50   | 5.422G         | 51   | 5.336G         | 52   | 5.367G         |
| 53                                               | 5.259G         | 54   | 5.461G         | 55   | 5.566G         | 56   | 5.702G         |
| 57                                               | 5.345G         | 58   | 5.307G         | 59   | 5.319G         | 60   | 5.289G         |
| 61                                               | 5.517G         | 62   | 5.281G         | 63   | 5.581G         | 64   | 5.673G         |
| 65                                               | 5.489G         | 66   | 5.339G         | 67   | 5.436G         | 68   | 5.352G         |
| 69                                               | 5.440G         | 70   | 5.634G         | 71   | 5.504G         | 72   | 5.411G         |
| 73                                               | 5.407G         | 74   | 5.625G         | 75   | 5.601G         | 76   | 5.678G         |
| 77                                               | 5.671G         | 78   | 5.282G         | 79   | 5.710G         | 80   | 5.324G         |
| 81                                               | 5.264G         | 82   | 5.536G         | 83   | 5.633G         | 84   | 5.499G         |
| 85                                               | 5.271G         | 86   | 5.568G         | 87   | 5.559G         | 88   | 5.644G         |
| 89                                               | 5.514G         | 90   | 5.664G         | 91   | 5.326G         | 92   | 5.294G         |
| 93                                               | 5.646G         | 94   | 5.315G         | 95   | 5.340G         | 96   | 5.408G         |
| 97                                               | 5.638G         | 98   | 5.599G         | 99   | 5.670G         | 100  | 5.561G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.563G         | 2    | 5.478G         | 3    | 5.723G         | 4    | 5.319G         |
| 5                                                | 5.374G         | 6    | 5.492G         | 7    | 5.469G         | 8    | 5.292G         |
| 9                                                | 5.525G         | 10   | 5.252G         | 11   | 5.350G         | 12   | 5.608G         |
| 13                                               | 5.323G         | 14   | 5.681G         | 15   | 5.388G         | 16   | 5.545G         |
| 17                                               | 5.291G         | 18   | 5.517G         | 19   | 5.253G         | 20   | 5.383G         |
| 21                                               | 5.489G         | 22   | 5.654G         | 23   | 5.704G         | 24   | 5.616G         |
| 25                                               | 5.621G         | 26   | 5.593G         | 27   | 5.435G         | 28   | 5.332G         |
| 29                                               | 5.420G         | 30   | 5.375G         | 31   | 5.587G         | 32   | 5.610G         |
| 33                                               | 5.498G         | 34   | 5.376G         | 35   | 5.661G         | 36   | 5.596G         |
| 37                                               | 5.413G         | 38   | 5.269G         | 39   | 5.701G         | 40   | 5.510G         |
| 41                                               | 5.266G         | 42   | 5.626G         | 43   | 5.516G         | 44   | 5.483G         |
| 45                                               | 5.467G         | 46   | 5.518G         | 47   | 5.586G         | 48   | 5.255G         |
| 49                                               | 5.512G         | 50   | 5.315G         | 51   | 5.639G         | 52   | 5.316G         |
| 53                                               | 5.667G         | 54   | 5.625G         | 55   | 5.495G         | 56   | 5.560G         |
| 57                                               | 5.455G         | 58   | 5.286G         | 59   | 5.324G         | 60   | 5.678G         |
| 61                                               | 5.555G         | 62   | 5.594G         | 63   | 5.662G         | 64   | 5.505G         |
| 65                                               | 5.320G         | 66   | 5.685G         | 67   | 5.282G         | 68   | 5.335G         |
| 69                                               | 5.677G         | 70   | 5.585G         | 71   | 5.526G         | 72   | 5.670G         |
| 73                                               | 5.400G         | 74   | 5.541G         | 75   | 5.488G         | 76   | 5.477G         |
| 77                                               | 5.480G         | 78   | 5.507G         | 79   | 5.449G         | 80   | 5.385G         |
| 81                                               | 5.473G         | 82   | 5.412G         | 83   | 5.714G         | 84   | 5.549G         |
| 85                                               | 5.690G         | 86   | 5.295G         | 87   | 5.619G         | 88   | 5.683G         |
| 89                                               | 5.411G         | 90   | 5.343G         | 91   | 5.664G         | 92   | 5.637G         |
| 93                                               | 5.351G         | 94   | 5.285G         | 95   | 5.691G         | 96   | 5.554G         |
| 97                                               | 5.415G         | 98   | 5.530G         | 99   | 5.692G         | 100  | 5.452G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.497G         | 2    | 5.599G         | 3    | 5.670G         | 4    | 5.665G         |
| 5                                                | 5.351G         | 6    | 5.278G         | 7    | 5.388G         | 8    | 5.600G         |
| 9                                                | 5.263G         | 10   | 5.572G         | 11   | 5.364G         | 12   | 5.532G         |
| 13                                               | 5.643G         | 14   | 5.487G         | 15   | 5.486G         | 16   | 5.631G         |
| 17                                               | 5.515G         | 18   | 5.492G         | 19   | 5.373G         | 20   | 5.442G         |
| 21                                               | 5.358G         | 22   | 5.293G         | 23   | 5.562G         | 24   | 5.355G         |
| 25                                               | 5.496G         | 26   | 5.467G         | 27   | 5.679G         | 28   | 5.707G         |
| 29                                               | 5.607G         | 30   | 5.513G         | 31   | 5.489G         | 32   | 5.485G         |
| 33                                               | 5.320G         | 34   | 5.418G         | 35   | 5.621G         | 36   | 5.416G         |
| 37                                               | 5.522G         | 38   | 5.407G         | 39   | 5.303G         | 40   | 5.357G         |
| 41                                               | 5.378G         | 42   | 5.542G         | 43   | 5.678G         | 44   | 5.452G         |
| 45                                               | 5.574G         | 46   | 5.449G         | 47   | 5.546G         | 48   | 5.610G         |
| 49                                               | 5.434G         | 50   | 5.613G         | 51   | 5.650G         | 52   | 5.469G         |
| 53                                               | 5.281G         | 54   | 5.608G         | 55   | 5.524G         | 56   | 5.529G         |
| 57                                               | 5.428G         | 58   | 5.661G         | 59   | 5.544G         | 60   | 5.512G         |
| 61                                               | 5.393G         | 62   | 5.411G         | 63   | 5.471G         | 64   | 5.462G         |
| 65                                               | 5.504G         | 66   | 5.399G         | 67   | 5.638G         | 68   | 5.298G         |
| 69                                               | 5.395G         | 70   | 5.553G         | 71   | 5.273G         | 72   | 5.578G         |
| 73                                               | 5.463G         | 74   | 5.423G         | 75   | 5.307G         | 76   | 5.516G         |
| 77                                               | 5.507G         | 78   | 5.480G         | 79   | 5.360G         | 80   | 5.721G         |
| 81                                               | 5.598G         | 82   | 5.376G         | 83   | 5.494G         | 84   | 5.398G         |
| 85                                               | 5.595G         | 86   | 5.521G         | 87   | 5.305G         | 88   | 5.446G         |
| 89                                               | 5.275G         | 90   | 5.443G         | 91   | 5.316G         | 92   | 5.437G         |
| 93                                               | 5.549G         | 94   | 5.693G         | 95   | 5.269G         | 96   | 5.295G         |
| 97                                               | 5.668G         | 98   | 5.586G         | 99   | 5.719G         | 100  | 5.615G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.691G         | 2    | 5.551G         | 3    | 5.579G         | 4    | 5.350G         |
| 5                                                | 5.688G         | 6    | 5.622G         | 7    | 5.294G         | 8    | 5.547G         |
| 9                                                | 5.460G         | 10   | 5.446G         | 11   | 5.270G         | 12   | 5.541G         |
| 13                                               | 5.620G         | 14   | 5.571G         | 15   | 5.384G         | 16   | 5.633G         |
| 17                                               | 5.477G         | 18   | 5.503G         | 19   | 5.553G         | 20   | 5.629G         |
| 21                                               | 5.472G         | 22   | 5.542G         | 23   | 5.528G         | 24   | 5.544G         |
| 25                                               | 5.613G         | 26   | 5.700G         | 27   | 5.434G         | 28   | 5.358G         |
| 29                                               | 5.525G         | 30   | 5.305G         | 31   | 5.644G         | 32   | 5.516G         |
| 33                                               | 5.648G         | 34   | 5.684G         | 35   | 5.488G         | 36   | 5.478G         |
| 37                                               | 5.498G         | 38   | 5.335G         | 39   | 5.441G         | 40   | 5.361G         |
| 41                                               | 5.411G         | 42   | 5.420G         | 43   | 5.396G         | 44   | 5.515G         |
| 45                                               | 5.353G         | 46   | 5.266G         | 47   | 5.451G         | 48   | 5.386G         |
| 49                                               | 5.617G         | 50   | 5.588G         | 51   | 5.374G         | 52   | 5.532G         |
| 53                                               | 5.666G         | 54   | 5.669G         | 55   | 5.314G         | 56   | 5.431G         |
| 57                                               | 5.520G         | 58   | 5.306G         | 59   | 5.272G         | 60   | 5.279G         |
| 61                                               | 5.634G         | 62   | 5.654G         | 63   | 5.619G         | 64   | 5.504G         |
| 65                                               | 5.334G         | 66   | 5.685G         | 67   | 5.690G         | 68   | 5.646G         |
| 69                                               | 5.575G         | 70   | 5.641G         | 71   | 5.297G         | 72   | 5.282G         |
| 73                                               | 5.713G         | 74   | 5.479G         | 75   | 5.663G         | 76   | 5.695G         |
| 77                                               | 5.492G         | 78   | 5.493G         | 79   | 5.668G         | 80   | 5.327G         |
| 81                                               | 5.288G         | 82   | 5.296G         | 83   | 5.413G         | 84   | 5.511G         |
| 85                                               | 5.486G         | 86   | 5.597G         | 87   | 5.286G         | 88   | 5.661G         |
| 89                                               | 5.421G         | 90   | 5.405G         | 91   | 5.536G         | 92   | 5.719G         |
| 93                                               | 5.518G         | 94   | 5.590G         | 95   | 5.608G         | 96   | 5.408G         |
| 97                                               | 5.582G         | 98   | 5.303G         | 99   | 5.449G         | 100  | 5.414G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.680G         | 2    | 5.483G         | 3    | 5.416G         | 4    | 5.549G         |
| 5                                                | 5.475G         | 6    | 5.321G         | 7    | 5.633G         | 8    | 5.278G         |
| 9                                                | 5.311G         | 10   | 5.524G         | 11   | 5.678G         | 12   | 5.521G         |
| 13                                               | 5.605G         | 14   | 5.367G         | 15   | 5.691G         | 16   | 5.672G         |
| 17                                               | 5.370G         | 18   | 5.504G         | 19   | 5.488G         | 20   | 5.433G         |
| 21                                               | 5.465G         | 22   | 5.282G         | 23   | 5.266G         | 24   | 5.701G         |
| 25                                               | 5.709G         | 26   | 5.267G         | 27   | 5.445G         | 28   | 5.385G         |
| 29                                               | 5.623G         | 30   | 5.299G         | 31   | 5.419G         | 32   | 5.707G         |
| 33                                               | 5.617G         | 34   | 5.322G         | 35   | 5.498G         | 36   | 5.632G         |
| 37                                               | 5.649G         | 38   | 5.546G         | 39   | 5.446G         | 40   | 5.541G         |
| 41                                               | 5.599G         | 42   | 5.630G         | 43   | 5.256G         | 44   | 5.568G         |
| 45                                               | 5.566G         | 46   | 5.537G         | 47   | 5.534G         | 48   | 5.277G         |
| 49                                               | 5.618G         | 50   | 5.374G         | 51   | 5.455G         | 52   | 5.283G         |
| 53                                               | 5.564G         | 54   | 5.312G         | 55   | 5.693G         | 56   | 5.436G         |
| 57                                               | 5.338G         | 58   | 5.372G         | 59   | 5.272G         | 60   | 5.369G         |
| 61                                               | 5.696G         | 62   | 5.507G         | 63   | 5.695G         | 64   | 5.529G         |
| 65                                               | 5.317G         | 66   | 5.384G         | 67   | 5.297G         | 68   | 5.494G         |
| 69                                               | 5.366G         | 70   | 5.705G         | 71   | 5.300G         | 72   | 5.715G         |
| 73                                               | 5.481G         | 74   | 5.287G         | 75   | 5.698G         | 76   | 5.301G         |
| 77                                               | 5.655G         | 78   | 5.670G         | 79   | 5.264G         | 80   | 5.420G         |
| 81                                               | 5.262G         | 82   | 5.676G         | 83   | 5.683G         | 84   | 5.394G         |
| 85                                               | 5.540G         | 86   | 5.337G         | 87   | 5.326G         | 88   | 5.431G         |
| 89                                               | 5.381G         | 90   | 5.505G         | 91   | 5.515G         | 92   | 5.275G         |
| 93                                               | 5.408G         | 94   | 5.690G         | 95   | 5.306G         | 96   | 5.359G         |
| 97                                               | 5.427G         | 98   | 5.342G         | 99   | 5.356G         | 100  | 5.462G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.600G         | 2    | 5.680G         | 3    | 5.444G         | 4    | 5.459G         |
| 5                                                | 5.718G         | 6    | 5.298G         | 7    | 5.441G         | 8    | 5.605G         |
| 9                                                | 5.622G         | 10   | 5.505G         | 11   | 5.286G         | 12   | 5.634G         |
| 13                                               | 5.683G         | 14   | 5.583G         | 15   | 5.428G         | 16   | 5.667G         |
| 17                                               | 5.570G         | 18   | 5.549G         | 19   | 5.553G         | 20   | 5.353G         |
| 21                                               | 5.602G         | 22   | 5.544G         | 23   | 5.377G         | 24   | 5.341G         |
| 25                                               | 5.677G         | 26   | 5.713G         | 27   | 5.629G         | 28   | 5.321G         |
| 29                                               | 5.483G         | 30   | 5.363G         | 31   | 5.636G         | 32   | 5.504G         |
| 33                                               | 5.595G         | 34   | 5.384G         | 35   | 5.474G         | 36   | 5.625G         |
| 37                                               | 5.269G         | 38   | 5.624G         | 39   | 5.665G         | 40   | 5.375G         |
| 41                                               | 5.712G         | 42   | 5.345G         | 43   | 5.418G         | 44   | 5.457G         |
| 45                                               | 5.311G         | 46   | 5.656G         | 47   | 5.507G         | 48   | 5.429G         |
| 49                                               | 5.440G         | 50   | 5.320G         | 51   | 5.540G         | 52   | 5.477G         |
| 53                                               | 5.411G         | 54   | 5.561G         | 55   | 5.352G         | 56   | 5.317G         |
| 57                                               | 5.497G         | 58   | 5.423G         | 59   | 5.576G         | 60   | 5.367G         |
| 61                                               | 5.509G         | 62   | 5.472G         | 63   | 5.641G         | 64   | 5.597G         |
| 65                                               | 5.559G         | 66   | 5.585G         | 67   | 5.626G         | 68   | 5.336G         |
| 69                                               | 5.271G         | 70   | 5.313G         | 71   | 5.420G         | 72   | 5.448G         |
| 73                                               | 5.443G         | 74   | 5.381G         | 75   | 5.647G         | 76   | 5.431G         |
| 77                                               | 5.370G         | 78   | 5.580G         | 79   | 5.323G         | 80   | 5.548G         |
| 81                                               | 5.430G         | 82   | 5.596G         | 83   | 5.523G         | 84   | 5.530G         |
| 85                                               | 5.560G         | 86   | 5.592G         | 87   | 5.314G         | 88   | 5.422G         |
| 89                                               | 5.607G         | 90   | 5.385G         | 91   | 5.628G         | 92   | 5.421G         |
| 93                                               | 5.463G         | 94   | 5.437G         | 95   | 5.646G         | 96   | 5.648G         |
| 97                                               | 5.536G         | 98   | 5.296G         | 99   | 5.312G         | 100  | 5.409G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.290G         | 2    | 5.317G         | 3    | 5.630G         | 4    | 5.724G         |
| 5                                                | 5.411G         | 6    | 5.700G         | 7    | 5.507G         | 8    | 5.263G         |
| 9                                                | 5.308G         | 10   | 5.568G         | 11   | 5.400G         | 12   | 5.252G         |
| 13                                               | 5.499G         | 14   | 5.570G         | 15   | 5.528G         | 16   | 5.461G         |
| 17                                               | 5.638G         | 18   | 5.399G         | 19   | 5.398G         | 20   | 5.254G         |
| 21                                               | 5.684G         | 22   | 5.616G         | 23   | 5.659G         | 24   | 5.285G         |
| 25                                               | 5.640G         | 26   | 5.647G         | 27   | 5.357G         | 28   | 5.279G         |
| 29                                               | 5.324G         | 30   | 5.323G         | 31   | 5.327G         | 32   | 5.626G         |
| 33                                               | 5.722G         | 34   | 5.345G         | 35   | 5.302G         | 36   | 5.483G         |
| 37                                               | 5.702G         | 38   | 5.384G         | 39   | 5.305G         | 40   | 5.651G         |
| 41                                               | 5.498G         | 42   | 5.693G         | 43   | 5.255G         | 44   | 5.564G         |
| 45                                               | 5.299G         | 46   | 5.482G         | 47   | 5.446G         | 48   | 5.704G         |
| 49                                               | 5.459G         | 50   | 5.582G         | 51   | 5.288G         | 52   | 5.720G         |
| 53                                               | 5.335G         | 54   | 5.286G         | 55   | 5.541G         | 56   | 5.457G         |
| 57                                               | 5.272G         | 58   | 5.365G         | 59   | 5.529G         | 60   | 5.618G         |
| 61                                               | 5.441G         | 62   | 5.581G         | 63   | 5.386G         | 64   | 5.650G         |
| 65                                               | 5.580G         | 66   | 5.612G         | 67   | 5.601G         | 68   | 5.557G         |
| 69                                               | 5.486G         | 70   | 5.608G         | 71   | 5.511G         | 72   | 5.664G         |
| 73                                               | 5.675G         | 74   | 5.525G         | 75   | 5.567G         | 76   | 5.678G         |
| 77                                               | 5.586G         | 78   | 5.336G         | 79   | 5.291G         | 80   | 5.387G         |
| 81                                               | 5.625G         | 82   | 5.356G         | 83   | 5.412G         | 84   | 5.706G         |
| 85                                               | 5.591G         | 86   | 5.688G         | 87   | 5.374G         | 88   | 5.401G         |
| 89                                               | 5.510G         | 90   | 5.624G         | 91   | 5.321G         | 92   | 5.339G         |
| 93                                               | 5.466G         | 94   | 5.475G         | 95   | 5.655G         | 96   | 5.328G         |
| 97                                               | 5.513G         | 98   | 5.686G         | 99   | 5.352G         | 100  | 5.261G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.367G         | 2    | 5.276G         | 3    | 5.659G         | 4    | 5.686G         |
| 5                                                | 5.388G         | 6    | 5.552G         | 7    | 5.452G         | 8    | 5.285G         |
| 9                                                | 5.475G         | 10   | 5.441G         | 11   | 5.514G         | 12   | 5.266G         |
| 13                                               | 5.432G         | 14   | 5.462G         | 15   | 5.545G         | 16   | 5.348G         |
| 17                                               | 5.442G         | 18   | 5.489G         | 19   | 5.271G         | 20   | 5.277G         |
| 21                                               | 5.542G         | 22   | 5.594G         | 23   | 5.411G         | 24   | 5.517G         |
| 25                                               | 5.613G         | 26   | 5.275G         | 27   | 5.426G         | 28   | 5.661G         |
| 29                                               | 5.286G         | 30   | 5.595G         | 31   | 5.645G         | 32   | 5.688G         |
| 33                                               | 5.357G         | 34   | 5.690G         | 35   | 5.543G         | 36   | 5.364G         |
| 37                                               | 5.497G         | 38   | 5.393G         | 39   | 5.435G         | 40   | 5.345G         |
| 41                                               | 5.482G         | 42   | 5.344G         | 43   | 5.570G         | 44   | 5.593G         |
| 45                                               | 5.715G         | 46   | 5.602G         | 47   | 5.548G         | 48   | 5.451G         |
| 49                                               | 5.633G         | 50   | 5.471G         | 51   | 5.605G         | 52   | 5.324G         |
| 53                                               | 5.550G         | 54   | 5.526G         | 55   | 5.445G         | 56   | 5.651G         |
| 57                                               | 5.289G         | 58   | 5.582G         | 59   | 5.535G         | 60   | 5.251G         |
| 61                                               | 5.549G         | 62   | 5.362G         | 63   | 5.527G         | 64   | 5.294G         |
| 65                                               | 5.539G         | 66   | 5.423G         | 67   | 5.268G         | 68   | 5.400G         |
| 69                                               | 5.368G         | 70   | 5.684G         | 71   | 5.553G         | 72   | 5.703G         |
| 73                                               | 5.460G         | 74   | 5.436G         | 75   | 5.448G         | 76   | 5.309G         |
| 77                                               | 5.290G         | 78   | 5.260G         | 79   | 5.444G         | 80   | 5.588G         |
| 81                                               | 5.530G         | 82   | 5.682G         | 83   | 5.418G         | 84   | 5.560G         |
| 85                                               | 5.320G         | 86   | 5.486G         | 87   | 5.404G         | 88   | 5.428G         |
| 89                                               | 5.663G         | 90   | 5.401G         | 91   | 5.580G         | 92   | 5.484G         |
| 93                                               | 5.495G         | 94   | 5.319G         | 95   | 5.267G         | 96   | 5.618G         |
| 97                                               | 5.431G         | 98   | 5.327G         | 99   | 5.252G         | 100  | 5.547G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.280G         | 2    | 5.283G         | 3    | 5.409G         | 4    | 5.651G         |
| 5                                                | 5.340G         | 6    | 5.620G         | 7    | 5.366G         | 8    | 5.353G         |
| 9                                                | 5.501G         | 10   | 5.456G         | 11   | 5.573G         | 12   | 5.583G         |
| 13                                               | 5.375G         | 14   | 5.630G         | 15   | 5.291G         | 16   | 5.333G         |
| 17                                               | 5.477G         | 18   | 5.453G         | 19   | 5.513G         | 20   | 5.510G         |
| 21                                               | 5.445G         | 22   | 5.407G         | 23   | 5.401G         | 24   | 5.671G         |
| 25                                               | 5.523G         | 26   | 5.428G         | 27   | 5.655G         | 28   | 5.603G         |
| 29                                               | 5.650G         | 30   | 5.270G         | 31   | 5.348G         | 32   | 5.367G         |
| 33                                               | 5.564G         | 34   | 5.673G         | 35   | 5.362G         | 36   | 5.378G         |
| 37                                               | 5.528G         | 38   | 5.334G         | 39   | 5.365G         | 40   | 5.568G         |
| 41                                               | 5.341G         | 42   | 5.636G         | 43   | 5.411G         | 44   | 5.549G         |
| 45                                               | 5.394G         | 46   | 5.271G         | 47   | 5.420G         | 48   | 5.724G         |
| 49                                               | 5.467G         | 50   | 5.423G         | 51   | 5.427G         | 52   | 5.580G         |
| 53                                               | 5.611G         | 54   | 5.313G         | 55   | 5.584G         | 56   | 5.553G         |
| 57                                               | 5.396G         | 58   | 5.688G         | 59   | 5.516G         | 60   | 5.433G         |
| 61                                               | 5.487G         | 62   | 5.308G         | 63   | 5.296G         | 64   | 5.338G         |
| 65                                               | 5.666G         | 66   | 5.464G         | 67   | 5.389G         | 68   | 5.421G         |
| 69                                               | 5.721G         | 70   | 5.605G         | 71   | 5.555G         | 72   | 5.447G         |
| 73                                               | 5.455G         | 74   | 5.567G         | 75   | 5.585G         | 76   | 5.656G         |
| 77                                               | 5.469G         | 78   | 5.640G         | 79   | 5.629G         | 80   | 5.424G         |
| 81                                               | 5.481G         | 82   | 5.329G         | 83   | 5.342G         | 84   | 5.610G         |
| 85                                               | 5.710G         | 86   | 5.489G         | 87   | 5.343G         | 88   | 5.442G         |
| 89                                               | 5.692G         | 90   | 5.292G         | 91   | 5.702G         | 92   | 5.601G         |
| 93                                               | 5.491G         | 94   | 5.626G         | 95   | 5.644G         | 96   | 5.641G         |
| 97                                               | 5.406G         | 98   | 5.450G         | 99   | 5.569G         | 100  | 5.690G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.615G         | 2    | 5.657G         | 3    | 5.676G         | 4    | 5.592G         |
| 5                                                | 5.327G         | 6    | 5.300G         | 7    | 5.337G         | 8    | 5.680G         |
| 9                                                | 5.448G         | 10   | 5.690G         | 11   | 5.417G         | 12   | 5.567G         |
| 13                                               | 5.604G         | 14   | 5.694G         | 15   | 5.516G         | 16   | 5.503G         |
| 17                                               | 5.312G         | 18   | 5.598G         | 19   | 5.696G         | 20   | 5.383G         |
| 21                                               | 5.718G         | 22   | 5.475G         | 23   | 5.603G         | 24   | 5.464G         |
| 25                                               | 5.425G         | 26   | 5.677G         | 27   | 5.320G         | 28   | 5.367G         |
| 29                                               | 5.313G         | 30   | 5.436G         | 31   | 5.463G         | 32   | 5.699G         |
| 33                                               | 5.565G         | 34   | 5.371G         | 35   | 5.411G         | 36   | 5.659G         |
| 37                                               | 5.661G         | 38   | 5.649G         | 39   | 5.391G         | 40   | 5.589G         |
| 41                                               | 5.452G         | 42   | 5.410G         | 43   | 5.484G         | 44   | 5.302G         |
| 45                                               | 5.692G         | 46   | 5.270G         | 47   | 5.386G         | 48   | 5.279G         |
| 49                                               | 5.601G         | 50   | 5.513G         | 51   | 5.602G         | 52   | 5.673G         |
| 53                                               | 5.501G         | 54   | 5.557G         | 55   | 5.494G         | 56   | 5.254G         |
| 57                                               | 5.571G         | 58   | 5.264G         | 59   | 5.573G         | 60   | 5.440G         |
| 61                                               | 5.281G         | 62   | 5.423G         | 63   | 5.358G         | 64   | 5.500G         |
| 65                                               | 5.701G         | 66   | 5.525G         | 67   | 5.446G         | 68   | 5.369G         |
| 69                                               | 5.499G         | 70   | 5.582G         | 71   | 5.717G         | 72   | 5.664G         |
| 73                                               | 5.515G         | 74   | 5.514G         | 75   | 5.461G         | 76   | 5.631G         |
| 77                                               | 5.719G         | 78   | 5.606G         | 79   | 5.483G         | 80   | 5.449G         |
| 81                                               | 5.458G         | 82   | 5.447G         | 83   | 5.616G         | 84   | 5.482G         |
| 85                                               | 5.453G         | 86   | 5.263G         | 87   | 5.542G         | 88   | 5.399G         |
| 89                                               | 5.469G         | 90   | 5.275G         | 91   | 5.295G         | 92   | 5.291G         |
| 93                                               | 5.416G         | 94   | 5.444G         | 95   | 5.599G         | 96   | 5.522G         |
| 97                                               | 5.640G         | 98   | 5.632G         | 99   | 5.472G         | 100  | 5.583G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.339G         | 2    | 5.672G         | 3    | 5.594G         | 4    | 5.694G         |
| 5                                                | 5.660G         | 6    | 5.647G         | 7    | 5.656G         | 8    | 5.705G         |
| 9                                                | 5.551G         | 10   | 5.542G         | 11   | 5.295G         | 12   | 5.316G         |
| 13                                               | 5.454G         | 14   | 5.592G         | 15   | 5.582G         | 16   | 5.303G         |
| 17                                               | 5.465G         | 18   | 5.417G         | 19   | 5.512G         | 20   | 5.710G         |
| 21                                               | 5.289G         | 22   | 5.286G         | 23   | 5.277G         | 24   | 5.440G         |
| 25                                               | 5.584G         | 26   | 5.518G         | 27   | 5.505G         | 28   | 5.597G         |
| 29                                               | 5.326G         | 30   | 5.371G         | 31   | 5.374G         | 32   | 5.639G         |
| 33                                               | 5.355G         | 34   | 5.609G         | 35   | 5.618G         | 36   | 5.463G         |
| 37                                               | 5.425G         | 38   | 5.404G         | 39   | 5.711G         | 40   | 5.506G         |
| 41                                               | 5.394G         | 42   | 5.431G         | 43   | 5.703G         | 44   | 5.489G         |
| 45                                               | 5.596G         | 46   | 5.575G         | 47   | 5.515G         | 48   | 5.655G         |
| 49                                               | 5.652G         | 50   | 5.494G         | 51   | 5.358G         | 52   | 5.648G         |
| 53                                               | 5.376G         | 54   | 5.457G         | 55   | 5.279G         | 56   | 5.707G         |
| 57                                               | 5.412G         | 58   | 5.396G         | 59   | 5.319G         | 60   | 5.430G         |
| 61                                               | 5.363G         | 62   | 5.379G         | 63   | 5.544G         | 64   | 5.364G         |
| 65                                               | 5.499G         | 66   | 5.622G         | 67   | 5.476G         | 68   | 5.536G         |
| 69                                               | 5.487G         | 70   | 5.587G         | 71   | 5.452G         | 72   | 5.418G         |
| 73                                               | 5.333G         | 74   | 5.321G         | 75   | 5.528G         | 76   | 5.574G         |
| 77                                               | 5.619G         | 78   | 5.386G         | 79   | 5.633G         | 80   | 5.467G         |
| 81                                               | 5.600G         | 82   | 5.500G         | 83   | 5.504G         | 84   | 5.265G         |
| 85                                               | 5.625G         | 86   | 5.359G         | 87   | 5.485G         | 88   | 5.372G         |
| 89                                               | 5.569G         | 90   | 5.456G         | 91   | 5.573G         | 92   | 5.581G         |
| 93                                               | 5.281G         | 94   | 5.314G         | 95   | 5.721G         | 96   | 5.650G         |
| 97                                               | 5.713G         | 98   | 5.275G         | 99   | 5.686G         | 100  | 5.708G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.452G         | 2    | 5.650G         | 3    | 5.373G         | 4    | 5.568G         |
| 5                                                | 5.602G         | 6    | 5.448G         | 7    | 5.593G         | 8    | 5.367G         |
| 9                                                | 5.529G         | 10   | 5.515G         | 11   | 5.598G         | 12   | 5.338G         |
| 13                                               | 5.380G         | 14   | 5.524G         | 15   | 5.371G         | 16   | 5.401G         |
| 17                                               | 5.522G         | 18   | 5.411G         | 19   | 5.715G         | 20   | 5.590G         |
| 21                                               | 5.300G         | 22   | 5.691G         | 23   | 5.433G         | 24   | 5.430G         |
| 25                                               | 5.670G         | 26   | 5.318G         | 27   | 5.319G         | 28   | 5.333G         |
| 29                                               | 5.260G         | 30   | 5.425G         | 31   | 5.530G         | 32   | 5.708G         |
| 33                                               | 5.722G         | 34   | 5.712G         | 35   | 5.501G         | 36   | 5.654G         |
| 37                                               | 5.485G         | 38   | 5.424G         | 39   | 5.638G         | 40   | 5.445G         |
| 41                                               | 5.564G         | 42   | 5.439G         | 43   | 5.376G         | 44   | 5.442G         |
| 45                                               | 5.619G         | 46   | 5.552G         | 47   | 5.347G         | 48   | 5.408G         |
| 49                                               | 5.316G         | 50   | 5.643G         | 51   | 5.269G         | 52   | 5.484G         |
| 53                                               | 5.687G         | 54   | 5.419G         | 55   | 5.573G         | 56   | 5.473G         |
| 57                                               | 5.327G         | 58   | 5.293G         | 59   | 5.611G         | 60   | 5.475G         |
| 61                                               | 5.537G         | 62   | 5.583G         | 63   | 5.444G         | 64   | 5.661G         |
| 65                                               | 5.551G         | 66   | 5.255G         | 67   | 5.364G         | 68   | 5.349G         |
| 69                                               | 5.574G         | 70   | 5.588G         | 71   | 5.680G         | 72   | 5.497G         |
| 73                                               | 5.585G         | 74   | 5.534G         | 75   | 5.365G         | 76   | 5.721G         |
| 77                                               | 5.469G         | 78   | 5.488G         | 79   | 5.406G         | 80   | 5.348G         |
| 81                                               | 5.504G         | 82   | 5.671G         | 83   | 5.651G         | 84   | 5.375G         |
| 85                                               | 5.286G         | 86   | 5.507G         | 87   | 5.414G         | 88   | 5.519G         |
| 89                                               | 5.684G         | 90   | 5.438G         | 91   | 5.520G         | 92   | 5.265G         |
| 93                                               | 5.404G         | 94   | 5.711G         | 95   | 5.586G         | 96   | 5.657G         |
| 97                                               | 5.302G         | 98   | 5.575G         | 99   | 5.490G         | 100  | 5.464G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.434G         | 2    | 5.680G         | 3    | 5.335G         | 4    | 5.560G         |
| 5                                                | 5.369G         | 6    | 5.305G         | 7    | 5.710G         | 8    | 5.275G         |
| 9                                                | 5.315G         | 10   | 5.475G         | 11   | 5.269G         | 12   | 5.460G         |
| 13                                               | 5.533G         | 14   | 5.627G         | 15   | 5.702G         | 16   | 5.661G         |
| 17                                               | 5.707G         | 18   | 5.356G         | 19   | 5.687G         | 20   | 5.328G         |
| 21                                               | 5.656G         | 22   | 5.563G         | 23   | 5.581G         | 24   | 5.361G         |
| 25                                               | 5.694G         | 26   | 5.468G         | 27   | 5.456G         | 28   | 5.304G         |
| 29                                               | 5.499G         | 30   | 5.255G         | 31   | 5.391G         | 32   | 5.647G         |
| 33                                               | 5.320G         | 34   | 5.653G         | 35   | 5.298G         | 36   | 5.536G         |
| 37                                               | 5.665G         | 38   | 5.268G         | 39   | 5.623G         | 40   | 5.721G         |
| 41                                               | 5.620G         | 42   | 5.611G         | 43   | 5.313G         | 44   | 5.570G         |
| 45                                               | 5.545G         | 46   | 5.716G         | 47   | 5.524G         | 48   | 5.628G         |
| 49                                               | 5.698G         | 50   | 5.558G         | 51   | 5.278G         | 52   | 5.723G         |
| 53                                               | 5.420G         | 54   | 5.359G         | 55   | 5.722G         | 56   | 5.492G         |
| 57                                               | 5.446G         | 58   | 5.354G         | 59   | 5.474G         | 60   | 5.638G         |
| 61                                               | 5.720G         | 62   | 5.618G         | 63   | 5.582G         | 64   | 5.326G         |
| 65                                               | 5.398G         | 66   | 5.410G         | 67   | 5.634G         | 68   | 5.344G         |
| 69                                               | 5.697G         | 70   | 5.253G         | 71   | 5.519G         | 72   | 5.424G         |
| 73                                               | 5.594G         | 74   | 5.286G         | 75   | 5.599G         | 76   | 5.264G         |
| 77                                               | 5.718G         | 78   | 5.576G         | 79   | 5.682G         | 80   | 5.432G         |
| 81                                               | 5.584G         | 82   | 5.462G         | 83   | 5.525G         | 84   | 5.336G         |
| 85                                               | 5.577G         | 86   | 5.459G         | 87   | 5.714G         | 88   | 5.449G         |
| 89                                               | 5.483G         | 90   | 5.490G         | 91   | 5.347G         | 92   | 5.277G         |
| 93                                               | 5.478G         | 94   | 5.292G         | 95   | 5.274G         | 96   | 5.377G         |
| 97                                               | 5.617G         | 98   | 5.367G         | 99   | 5.472G         | 100  | 5.337G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.410G         | 2    | 5.585G         | 3    | 5.609G         | 4    | 5.523G         |
| 5                                                | 5.304G         | 6    | 5.466G         | 7    | 5.262G         | 8    | 5.617G         |
| 9                                                | 5.311G         | 10   | 5.677G         | 11   | 5.590G         | 12   | 5.283G         |
| 13                                               | 5.305G         | 14   | 5.601G         | 15   | 5.404G         | 16   | 5.690G         |
| 17                                               | 5.302G         | 18   | 5.655G         | 19   | 5.668G         | 20   | 5.389G         |
| 21                                               | 5.412G         | 22   | 5.709G         | 23   | 5.286G         | 24   | 5.631G         |
| 25                                               | 5.626G         | 26   | 5.487G         | 27   | 5.257G         | 28   | 5.491G         |
| 29                                               | 5.328G         | 30   | 5.345G         | 31   | 5.651G         | 32   | 5.275G         |
| 33                                               | 5.605G         | 34   | 5.430G         | 35   | 5.588G         | 36   | 5.705G         |
| 37                                               | 5.289G         | 38   | 5.694G         | 39   | 5.365G         | 40   | 5.307G         |
| 41                                               | 5.673G         | 42   | 5.288G         | 43   | 5.458G         | 44   | 5.363G         |
| 45                                               | 5.573G         | 46   | 5.424G         | 47   | 5.654G         | 48   | 5.354G         |
| 49                                               | 5.548G         | 50   | 5.696G         | 51   | 5.440G         | 52   | 5.701G         |
| 53                                               | 5.629G         | 54   | 5.390G         | 55   | 5.334G         | 56   | 5.507G         |
| 57                                               | 5.434G         | 58   | 5.724G         | 59   | 5.485G         | 60   | 5.444G         |
| 61                                               | 5.527G         | 62   | 5.428G         | 63   | 5.360G         | 64   | 5.377G         |
| 65                                               | 5.542G         | 66   | 5.641G         | 67   | 5.423G         | 68   | 5.446G         |
| 69                                               | 5.483G         | 70   | 5.478G         | 71   | 5.537G         | 72   | 5.293G         |
| 73                                               | 5.612G         | 74   | 5.476G         | 75   | 5.445G         | 76   | 5.702G         |
| 77                                               | 5.596G         | 78   | 5.388G         | 79   | 5.544G         | 80   | 5.499G         |
| 81                                               | 5.621G         | 82   | 5.353G         | 83   | 5.402G         | 84   | 5.603G         |
| 85                                               | 5.650G         | 86   | 5.469G         | 87   | 5.327G         | 88   | 5.313G         |
| 89                                               | 5.721G         | 90   | 5.432G         | 91   | 5.646G         | 92   | 5.680G         |
| 93                                               | 5.640G         | 94   | 5.295G         | 95   | 5.606G         | 96   | 5.604G         |
| 97                                               | 5.539G         | 98   | 5.325G         | 99   | 5.468G         | 100  | 5.484G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.631G         | 2    | 5.628G         | 3    | 5.645G         | 4    | 5.347G         |
| 5                                                | 5.591G         | 6    | 5.427G         | 7    | 5.333G         | 8    | 5.692G         |
| 9                                                | 5.441G         | 10   | 5.504G         | 11   | 5.600G         | 12   | 5.551G         |
| 13                                               | 5.271G         | 14   | 5.647G         | 15   | 5.646G         | 16   | 5.406G         |
| 17                                               | 5.613G         | 18   | 5.291G         | 19   | 5.362G         | 20   | 5.394G         |
| 21                                               | 5.470G         | 22   | 5.458G         | 23   | 5.546G         | 24   | 5.563G         |
| 25                                               | 5.318G         | 26   | 5.397G         | 27   | 5.260G         | 28   | 5.636G         |
| 29                                               | 5.576G         | 30   | 5.430G         | 31   | 5.391G         | 32   | 5.460G         |
| 33                                               | 5.361G         | 34   | 5.708G         | 35   | 5.698G         | 36   | 5.544G         |
| 37                                               | 5.258G         | 38   | 5.474G         | 39   | 5.703G         | 40   | 5.416G         |
| 41                                               | 5.657G         | 42   | 5.328G         | 43   | 5.277G         | 44   | 5.617G         |
| 45                                               | 5.449G         | 46   | 5.489G         | 47   | 5.575G         | 48   | 5.268G         |
| 49                                               | 5.294G         | 50   | 5.723G         | 51   | 5.644G         | 52   | 5.590G         |
| 53                                               | 5.256G         | 54   | 5.721G         | 55   | 5.261G         | 56   | 5.259G         |
| 57                                               | 5.514G         | 58   | 5.476G         | 59   | 5.345G         | 60   | 5.459G         |
| 61                                               | 5.462G         | 62   | 5.266G         | 63   | 5.407G         | 64   | 5.488G         |
| 65                                               | 5.286G         | 66   | 5.371G         | 67   | 5.571G         | 68   | 5.556G         |
| 69                                               | 5.588G         | 70   | 5.654G         | 71   | 5.678G         | 72   | 5.354G         |
| 73                                               | 5.472G         | 74   | 5.526G         | 75   | 5.487G         | 76   | 5.468G         |
| 77                                               | 5.508G         | 78   | 5.388G         | 79   | 5.446G         | 80   | 5.520G         |
| 81                                               | 5.418G         | 82   | 5.390G         | 83   | 5.550G         | 84   | 5.482G         |
| 85                                               | 5.337G         | 86   | 5.404G         | 87   | 5.664G         | 88   | 5.465G         |
| 89                                               | 5.598G         | 90   | 5.257G         | 91   | 5.392G         | 92   | 5.516G         |
| 93                                               | 5.448G         | 94   | 5.327G         | 95   | 5.614G         | 96   | 5.594G         |
| 97                                               | 5.633G         | 98   | 5.637G         | 99   | 5.715G         | 100  | 5.329G         |

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| Trial #                | Pulse Repetition Frequency Number(1 to 23) | PRF(Pulse per seconds) | Pulses per Burst | PRI (μsec) | Radar Frequency (MHz) | Detection |
|------------------------|--------------------------------------------|------------------------|------------------|------------|-----------------------|-----------|
| 1                      | 22                                         | 1066.1                 | 57               | 938        | 5493                  | Yes       |
| 2                      | 10                                         | 1432.7                 | 76               | 698        | 5502                  | Yes       |
| 3                      | 6                                          | 1618.1                 | 86               | 618        | 5504                  | Yes       |
| 4                      | 2                                          | 1858.7                 | 99               | 538        | 5494                  | Yes       |
| 5                      | 19                                         | 1139                   | 61               | 878        | 5495                  | Yes       |
| 6                      | 23                                         | 326.2                  | 18               | 3066       | 5507                  | Yes       |
| 7                      | 7                                          | 1567.4                 | 83               | 638        | 5509                  | Yes       |
| 8                      | 21                                         | 1089.3                 | 58               | 918        | 5503                  | Yes       |
| 9                      | 17                                         | 1193.3                 | 63               | 838        | 5499                  | Yes       |
| 10                     | 18                                         | 1165.6                 | 62               | 858        | 5497                  | Yes       |
| 11                     | 15                                         | 1253.1                 | 67               | 798        | 5501                  | Yes       |
| 12                     | 11                                         | 1392.8                 | 74               | 718        | 5505                  | No        |
| 13                     | 4                                          | 1730.1                 | 92               | 578        | 5491                  | Yes       |
| 14                     | 5                                          | 1672.2                 | 89               | 598        | 5500                  | Yes       |
| 15                     | 3                                          | 1792.1                 | 95               | 558        | 5508                  | Yes       |
| 16                     |                                            | 394.3                  | 21               | 2536       | 5496                  | Yes       |
| 17                     |                                            | 1035.2                 | 55               | 966        | 5492                  | Yes       |
| 18                     |                                            | 1209.2                 | 64               | 827        | 5498                  | Yes       |
| 19                     |                                            | 399.8                  | 22               | 2501       | 5506                  | Yes       |
| 20                     |                                            | 385.4                  | 21               | 2595       | 5497                  | Yes       |
| 21                     |                                            | 897.7                  | 48               | 1114       | 5508                  | Yes       |
| 22                     |                                            | 768.0                  | 41               | 1302       | 5507                  | Yes       |
| 23                     |                                            | 328.4                  | 18               | 3045       | 5501                  | Yes       |
| 24                     |                                            | 615.8                  | 33               | 1624       | 5503                  | Yes       |
| 25                     |                                            | 347.5                  | 19               | 2878       | 5506                  | Yes       |
| 26                     |                                            | 973.7                  | 52               | 1027       | 5493                  | Yes       |
| 27                     |                                            | 402.4                  | 22               | 2485       | 5498                  | Yes       |
| 28                     |                                            | 625.0                  | 33               | 1600       | 5496                  | Yes       |
| 29                     |                                            | 853.2                  | 46               | 1172       | 5509                  | Yes       |
| 30                     |                                            | 849.6                  | 45               | 1177       | 5494                  | Yes       |
| Detection Rate: 96.67% |                                            |                        |                  |            |                       |           |

Detection Rate: 96.67%

| Type 2 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 26               | 3.2                | 179        | 5491                  | Yes       |
| 2                                     | 23               | 1.1                | 207        | 5497                  | Yes       |
| 3                                     | 24               | 2.1                | 230        | 5493                  | Yes       |
| 4                                     | 29               | 4.8                | 200        | 5492                  | Yes       |
| 5                                     | 28               | 3.9                | 214        | 5494                  | Yes       |
| 6                                     | 26               | 2.9                | 222        | 5496                  | Yes       |
| 7                                     | 26               | 3.2                | 204        | 5503                  | Yes       |
| 8                                     | 25               | 2.5                | 192        | 5498                  | Yes       |
| 9                                     | 26               | 3.1                | 164        | 5505                  | Yes       |
| 10                                    | 23               | 1.2                | 156        | 5507                  | No        |
| 11                                    | 27               | 3.9                | 210        | 5508                  | Yes       |
| 12                                    | 29               | 4.6                | 201        | 5502                  | Yes       |
| 13                                    | 26               | 3.2                | 162        | 5504                  | Yes       |
| 14                                    | 25               | 2.2                | 197        | 5509                  | Yes       |
| 15                                    | 29               | 4.5                | 163        | 5501                  | Yes       |
| 16                                    | 26               | 3                  | 203        | 5506                  | Yes       |
| 17                                    | 29               | 5                  | 168        | 5499                  | No        |
| 18                                    | 25               | 2.4                | 217        | 5495                  | Yes       |
| 19                                    | 26               | 2.9                | 191        | 5500                  | Yes       |
| 20                                    | 25               | 2.3                | 166        | 5499                  | Yes       |
| 21                                    | 27               | 3.7                | 150        | 5496                  | Yes       |
| 22                                    | 25               | 2.2                | 176        | 5493                  | Yes       |
| 23                                    | 29               | 4.9                | 195        | 5503                  | Yes       |
| 24                                    | 26               | 2.9                | 202        | 5495                  | Yes       |
| 25                                    | 25               | 2.5                | 178        | 5498                  | Yes       |
| 26                                    | 23               | 1.1                | 206        | 5507                  | No        |
| 27                                    | 27               | 3.8                | 155        | 5504                  | Yes       |
| 28                                    | 29               | 4.7                | 157        | 5501                  | Yes       |
| 29                                    | 25               | 2.4                | 224        | 5508                  | Yes       |
| 30                                    | 28               | 4.2                | 159        | 5500                  | Yes       |
| Detection Rate: 90 %                  |                  |                    |            |                       |           |

| Type 3 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 17               | 8.2                | 355        | 5498                  | Yes       |
| 2                                     | 16               | 6.1                | 487        | 5492                  | Yes       |
| 3                                     | 16               | 7.1                | 344        | 5500                  | Yes       |
| 4                                     | 18               | 9.8                | 288        | 5508                  | Yes       |
| 5                                     | 18               | 8.9                | 230        | 5495                  | Yes       |
| 6                                     | 17               | 7.9                | 432        | 5496                  | Yes       |
| 7                                     | 17               | 8.2                | 207        | 5497                  | Yes       |
| 8                                     | 17               | 7.5                | 443        | 5491                  | No        |
| 9                                     | 17               | 8.1                | 439        | 5504                  | Yes       |
| 10                                    | 16               | 6.2                | 223        | 5501                  | Yes       |
| 11                                    | 18               | 8.9                | 208        | 5494                  | Yes       |
| 12                                    | 18               | 9.6                | 463        | 5503                  | No        |
| 13                                    | 17               | 8.2                | 441        | 5493                  | Yes       |
| 14                                    | 16               | 7.2                | 323        | 5502                  | Yes       |
| 15                                    | 18               | 9.5                | 297        | 5499                  | Yes       |
| 16                                    | 17               | 8                  | 412        | 5505                  | Yes       |
| 17                                    | 18               | 10                 | 324        | 5506                  | Yes       |
| 18                                    | 17               | 7.4                | 271        | 5509                  | No        |
| 19                                    | 17               | 7.9                | 349        | 5507                  | Yes       |
| 20                                    | 16               | 7.3                | 409        | 5504                  | Yes       |
| 21                                    | 18               | 8.7                | 373        | 5491                  | Yes       |
| 22                                    | 16               | 7.2                | 254        | 5500                  | Yes       |
| 23                                    | 18               | 9.9                | 274        | 5494                  | Yes       |
| 24                                    | 17               | 7.9                | 278        | 5506                  | Yes       |
| 25                                    | 17               | 7.5                | 317        | 5502                  | Yes       |
| 26                                    | 16               | 6.1                | 260        | 5492                  | Yes       |
| 27                                    | 18               | 8.8                | 211        | 5493                  | Yes       |
| 28                                    | 18               | 9.7                | 272        | 5503                  | Yes       |
| 29                                    | 17               | 7.4                | 264        | 5498                  | Yes       |
| 30                                    | 18               | 9.2                | 284        | 5508                  | Yes       |
| Detection Rate: 90 %                  |                  |                    |            |                       |           |

| Type 4 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 14               | 16                 | 355        | 5506                  | Yes       |
| 2                                     | 12               | 11.3               | 487        | 5495                  | Yes       |
| 3                                     | 13               | 13.5               | 344        | 5501                  | Yes       |
| 4                                     | 16               | 19.4               | 288        | 5507                  | Yes       |
| 5                                     | 15               | 17.5               | 230        | 5492                  | Yes       |
| 6                                     | 14               | 15.3               | 432        | 5499                  | Yes       |
| 7                                     | 14               | 15.9               | 207        | 5497                  | No        |
| 8                                     | 13               | 14.3               | 443        | 5496                  | Yes       |
| 9                                     | 14               | 15.8               | 439        | 5498                  | Yes       |
| 10                                    | 12               | 11.5               | 223        | 5500                  | Yes       |
| 11                                    | 15               | 17.4               | 208        | 5509                  | Yes       |
| 12                                    | 16               | 19                 | 463        | 5504                  | Yes       |
| 13                                    | 14               | 16                 | 441        | 5494                  | Yes       |
| 14                                    | 13               | 13.8               | 323        | 5493                  | Yes       |
| 15                                    | 16               | 18.9               | 297        | 5505                  | Yes       |
| 16                                    | 14               | 15.5               | 412        | 5503                  | No        |
| 17                                    | 16               | 19.9               | 324        | 5502                  | Yes       |
| 18                                    | 13               | 14.1               | 271        | 5491                  | Yes       |
| 19                                    | 14               | 15.2               | 349        | 5508                  | No        |
| 20                                    | 13               | 13.8               | 409        | 5507                  | Yes       |
| 21                                    | 15               | 17.1               | 373        | 5499                  | Yes       |
| 22                                    | 13               | 13.8               | 254        | 5497                  | Yes       |
| 23                                    | 16               | 19.8               | 274        | 5491                  | Yes       |
| 24                                    | 14               | 15.3               | 278        | 5495                  | Yes       |
| 25                                    | 13               | 14.5               | 317        | 5506                  | Yes       |
| 26                                    | 12               | 11.3               | 260        | 5504                  | No        |
| 27                                    | 15               | 17.3               | 211        | 5503                  | No        |
| 28                                    | 16               | 19.2               | 272        | 5500                  | Yes       |
| 29                                    | 13               | 14.2               | 264        | 5492                  | No        |
| 30                                    | 15               | 18.2               | 284        | 5493                  | Yes       |
| Detection Rate: 80 %                  |                  |                    |            |                       |           |

| Type 5 Radar Statistical Performances |                  |                       |
|---------------------------------------|------------------|-----------------------|
| Trial #                               | Test Signal Name | Detection             |
| 1                                     | LP_Signal_01     | Yes                   |
| 2                                     | LP_Signal_02     | Yes                   |
| 3                                     | LP_Signal_03     | Yes                   |
| 4                                     | LP_Signal_04     | Yes                   |
| 5                                     | LP_Signal_05     | Yes                   |
| 6                                     | LP_Signal_06     | Yes                   |
| 7                                     | LP_Signal_07     | Yes                   |
| 8                                     | LP_Signal_08     | Yes                   |
| 9                                     | LP_Signal_09     | Yes                   |
| 10                                    | LP_Signal_10     | Yes                   |
| 11                                    | LP_Signal_11     | Yes                   |
| 12                                    | LP_Signal_12     | Yes                   |
| 13                                    | LP_Signal_13     | Yes                   |
| 14                                    | LP_Signal_14     | Yes                   |
| 15                                    | LP_Signal_15     | Yes                   |
| 16                                    | LP_Signal_16     | Yes                   |
| 17                                    | LP_Signal_17     | Yes                   |
| 18                                    | LP_Signal_18     | Yes                   |
| 19                                    | LP_Signal_19     | Yes                   |
| 20                                    | LP_Signal_20     | Yes                   |
| 21                                    | LP_Signal_21     | Yes                   |
| 22                                    | LP_Signal_22     | Yes                   |
| 23                                    | LP_Signal_23     | Yes                   |
| 24                                    | LP_Signal_24     | Yes                   |
| 25                                    | LP_Signal_25     | Yes                   |
| 26                                    | LP_Signal_26     | Yes                   |
| 27                                    | LP_Signal_27     | Yes                   |
| 28                                    | LP_Signal_28     | Yes                   |
| 29                                    | LP_Signal_29     | Yes                   |
| 30                                    | LP_Signal_30     | Yes                   |
|                                       |                  | Detection Rate: 100 % |



Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_01

Number of Bursts in Trial: 17

Chrip Center Frequency: 5500MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 85.3             | 16                | 3                          | 1590.0     | 1009.0     | 1631.0     |
| 2     | 60.1             | 16                | 1                          | 1810.0     | -          | -          |
| 3     | 71.4             | 16                | 2                          | 1177.0     | 1818.0     | -          |
| 4     | 81.5             | 16                | 2                          | 1846.0     | 1439.0     | -          |
| 5     | 61.2             | 16                | 1                          | 1330.0     | -          | -          |
| 6     | 75.9             | 16                | 2                          | 1070.0     | 1778.0     | -          |
| 7     | 95.5             | 16                | 3                          | 1207.0     | 1585.0     | 1839.0     |
| 8     | 86.3             | 16                | 3                          | 1174.0     | 1154.0     | 1900.0     |
| 9     | 52.1             | 16                | 1                          | 1906.0     | -          | -          |
| 10    | 91.1             | 16                | 3                          | 1628.0     | 1455.0     | 1251.0     |
| 11    | 98.5             | 16                | 3                          | 1256.0     | 1484.0     | 1697.0     |
| 12    | 96.6             | 16                | 3                          | 1134.0     | 1008.0     | 1845.0     |
| 13    | 85.3             | 16                | 3                          | 1496.0     | 1181.0     | 1873.0     |
| 14    | 55.7             | 16                | 1                          | 1762.0     | -          | -          |
| 15    | 65.1             | 16                | 1                          | 1722.0     | -          | -          |
| 16    | 76.9             | 16                | 2                          | 1223.0     | 1482.0     | -          |
| 17    | 97.2             | 16                | 3                          | 1958.0     | 1899.0     | 1898.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_02

Number of Bursts in Trial: 10

Chrip Center Frequency: 5500MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 69.6             | 8                 | 2                          | 1094.0     | 1287.0     | -          |
| 2     | 51.9             | 8                 | 1                          | 1701.0     | -          | -          |
| 3     | 87.4             | 8                 | 3                          | 1564.0     | 1236.0     | 1690.0     |
| 4     | 89.6             | 8                 | 3                          | 1453.0     | 1739.0     | 1476.0     |
| 5     | 85.6             | 8                 | 3                          | 1687.0     | 1053.0     | 1740.0     |
| 6     | 56.8             | 8                 | 1                          | 1395.0     | -          | -          |
| 7     | 52.4             | 8                 | 1                          | 1911.0     | -          | -          |
| 8     | 74.9             | 8                 | 2                          | 1835.0     | 1197.0     | -          |
| 9     | 83.9             | 8                 | 3                          | 1592.0     | 1755.0     | 1147.0     |
| 10    | 65.5             | 8                 | 1                          | 1113.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_03

Number of Bursts in Trial: 13

Chirp Center Frequency: 5500MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 84.5             | 11                | 3                          | 1296.0     | 1001.0     | 1945.0     |
| 2     | 69.4             | 11                | 2                          | 1149.0     | 1199.0     | -          |
| 3     | 50.7             | 11                | 1                          | 1016.0     | -          | -          |
| 4     | 74.6             | 11                | 2                          | 1487.0     | 1362.0     | -          |
| 5     | 88.1             | 11                | 3                          | 1610.0     | 1471.0     | 1510.0     |
| 6     | 76.7             | 11                | 2                          | 1922.0     | 1806.0     | -          |
| 7     | 53.5             | 11                | 1                          | 1872.0     | -          | -          |
| 8     | 98.9             | 11                | 3                          | 1929.0     | 1893.0     | 1015.0     |
| 9     | 84.1             | 11                | 3                          | 1821.0     | 1284.0     | 1242.0     |
| 10    | 86.8             | 11                | 3                          | 1397.0     | 1787.0     | 1158.0     |
| 11    | 71.8             | 11                | 2                          | 1696.0     | 1731.0     | -          |
| 12    | 66.3             | 11                | 1                          | 1853.0     | -          | -          |
| 13    | 53.9             | 11                | 1                          | 1889.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_04

Number of Bursts in Trial: 16

Chirp Center Frequency: 5500MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 58.9             | 15                | 1                          | 1279.0     | -          | -          |
| 2     | 87.3             | 15                | 3                          | 1143.0     | 1203.0     | 1752.0     |
| 3     | 67.3             | 15                | 2                          | 1785.0     | 1051.0     | -          |
| 4     | 72.7             | 15                | 2                          | 1732.0     | 1953.0     | -          |
| 5     | 87.3             | 15                | 3                          | 1621.0     | 1087.0     | 1491.0     |
| 6     | 72.3             | 15                | 2                          | 1437.0     | 1970.0     | -          |
| 7     | 53.3             | 15                | 1                          | 1630.0     | -          | -          |
| 8     | 80.4             | 15                | 2                          | 1868.0     | 1469.0     | -          |
| 9     | 68.2             | 15                | 2                          | 1798.0     | 1071.0     | -          |
| 10    | 74.6             | 15                | 2                          | 1591.0     | 1292.0     | -          |
| 11    | 72.7             | 15                | 2                          | 1159.0     | 1306.0     | -          |
| 12    | 81.6             | 15                | 2                          | 1577.0     | 1187.0     | -          |
| 13    | 54.7             | 15                | 1                          | 1865.0     | -          | -          |
| 14    | 56.7             | 15                | 1                          | 1152.0     | -          | -          |
| 15    | 69.7             | 15                | 2                          | 1276.0     | 1096.0     | -          |
| 16    | 99.7             | 15                | 3                          | 1502.0     | 1708.0     | 1723.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_05

Number of Bursts in Trial: 10

Chirp Center Frequency: 5500MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 53.2             | 8                 | 1                          | 1418.0     | -          | -          |
| 2     | 69.0             | 8                 | 2                          | 1336.0     | 1720.0     | -          |
| 3     | 56.6             | 8                 | 1                          | 1268.0     | -          | -          |
| 4     | 77.3             | 8                 | 2                          | 1760.0     | 1137.0     | -          |
| 5     | 60.3             | 8                 | 1                          | 1006.0     | -          | -          |
| 6     | 60.9             | 8                 | 1                          | 1140.0     | -          | -          |
| 7     | 66.8             | 8                 | 2                          | 1229.0     | 1525.0     | -          |
| 8     | 51.3             | 8                 | 1                          | 1930.0     | -          | -          |
| 9     | 66.5             | 8                 | 1                          | 1100.0     | -          | -          |
| 10    | 60.4             | 8                 | 1                          | 1274.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_06

Number of Bursts in Trial: 14

Chirp Center Frequency: 5500MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 69.8             | 13                | 2                          | 1769.0     | 1921.0     | -          |
| 2     | 81.7             | 13                | 2                          | 1944.0     | 1878.0     | -          |
| 3     | 56.9             | 13                | 1                          | 1561.0     | -          | -          |
| 4     | 81.1             | 13                | 2                          | 1983.0     | 1975.0     | -          |
| 5     | 90.1             | 13                | 3                          | 1568.0     | 1914.0     | 1456.0     |
| 6     | 75.4             | 13                | 2                          | 1857.0     | 1372.0     | -          |
| 7     | 53.2             | 13                | 1                          | 1634.0     | -          | -          |
| 8     | 98.0             | 13                | 3                          | 1021.0     | 1272.0     | 1370.0     |
| 9     | 78.4             | 13                | 2                          | 1547.0     | 1148.0     | -          |
| 10    | 52.2             | 13                | 1                          | 1201.0     | -          | -          |
| 11    | 68.2             | 13                | 2                          | 1038.0     | 1936.0     | -          |
| 12    | 84.2             | 13                | 3                          | 1183.0     | 1034.0     | 1649.0     |
| 13    | 65.1             | 13                | 1                          | 1110.0     | -          | -          |
| 14    | 52.6             | 13                | 1                          | 1599.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_07

Number of Bursts in Trial: 19

Chirp Center Frequency: 5500MHz

| Burst | Pulse Width<br>(us) | Chirp Width<br>(MHz) | Number of<br>Pulses per<br>Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------------|----------------------------------|------------|------------|------------|
| 1     | 80.6                | 19                   | 2                                | 1385.0     | 1357.0     | -          |
| 2     | 85.2                | 19                   | 3                                | 1604.0     | 1083.0     | 1583.0     |
| 3     | 66.3                | 19                   | 1                                | 1859.0     | -          | -          |
| 4     | 94.8                | 19                   | 3                                | 1363.0     | 1405.0     | 1505.0     |
| 5     | 78.1                | 19                   | 2                                | 1478.0     | 1107.0     | -          |
| 6     | 93.0                | 19                   | 3                                | 1939.0     | 1374.0     | 1406.0     |
| 7     | 83.3                | 19                   | 2                                | 1549.0     | 1562.0     | -          |
| 8     | 69.9                | 19                   | 2                                | 1081.0     | 1157.0     | -          |
| 9     | 83.9                | 19                   | 3                                | 1475.0     | 1024.0     | 1996.0     |
| 10    | 99.2                | 19                   | 3                                | 1195.0     | 1557.0     | 1409.0     |
| 11    | 80.8                | 19                   | 2                                | 1192.0     | 1172.0     | -          |
| 12    | 67.7                | 19                   | 2                                | 1124.0     | 1315.0     | -          |
| 13    | 65.2                | 19                   | 1                                | 1099.0     | -          | -          |
| 14    | 89.1                | 19                   | 3                                | 1956.0     | 1770.0     | 1551.0     |
| 15    | 93.6                | 19                   | 3                                | 1440.0     | 1415.0     | 1753.0     |
| 16    | 98.1                | 19                   | 3                                | 1998.0     | 1951.0     | 1167.0     |
| 17    | 70.4                | 19                   | 2                                | 1711.0     | 1468.0     | -          |
| 18    | 66.0                | 19                   | 1                                | 1811.0     | -          | -          |
| 19    | 56.2                | 19                   | 1                                | 1803.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_08

Number of Bursts in Trial: 17

Chirp Center Frequency: 5500MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 76.8             | 16                | 2                          | 1188.0     | 1695.0     | -          |
| 2     | 52.4             | 16                | 1                          | 1912.0     | -          | -          |
| 3     | 71.6             | 16                | 2                          | 1586.0     | 1413.0     | -          |
| 4     | 73.5             | 16                | 2                          | 1744.0     | 1141.0     | -          |
| 5     | 87.2             | 16                | 3                          | 1026.0     | 1703.0     | 1072.0     |
| 6     | 84.6             | 16                | 3                          | 1171.0     | 1233.0     | 1346.0     |
| 7     | 97.4             | 16                | 3                          | 1000.0     | 1163.0     | 1340.0     |
| 8     | 78.4             | 16                | 2                          | 1840.0     | 1673.0     | -          |
| 9     | 56.8             | 16                | 1                          | 1891.0     | -          | -          |
| 10    | 78.4             | 16                | 2                          | 2000.0     | 1122.0     | -          |
| 11    | 67.4             | 16                | 2                          | 1291.0     | 1028.0     | -          |
| 12    | 81.5             | 16                | 2                          | 1298.0     | 1948.0     | -          |
| 13    | 69.1             | 16                | 2                          | 1486.0     | 1079.0     | -          |
| 14    | 53.8             | 16                | 1                          | 1943.0     | -          | -          |
| 15    | 53.9             | 16                | 1                          | 1611.0     | -          | -          |
| 16    | 96.7             | 16                | 3                          | 1938.0     | 1622.0     | 1768.0     |
| 17    | 75.2             | 16                | 2                          | 1543.0     | 1663.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_09

Number of Bursts in Trial: 8

Chirp Center Frequency: 5500MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 94.7             | 5                 | 3                          | 1414.0     | 1714.0     | 1681.0     |
| 2     | 72.0             | 5                 | 2                          | 1266.0     | 1765.0     | -          |
| 3     | 73.2             | 5                 | 2                          | 1605.0     | 1420.0     | -          |
| 4     | 73.6             | 5                 | 2                          | 1801.0     | 1391.0     | -          |
| 5     | 77.1             | 5                 | 2                          | 1883.0     | 1994.0     | -          |
| 6     | 100.0            | 5                 | 3                          | 1102.0     | 1522.0     | 1289.0     |
| 7     | 97.9             | 5                 | 3                          | 1874.0     | 1368.0     | 1049.0     |
| 8     | 57.8             | 5                 | 1                          | 1657.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_10

Number of Bursts in Trial: 18

Chirp Center Frequency: 5500MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 50.2             | 18                | 1                          | 1949.0     | -          | -          |
| 2     | 72.4             | 18                | 2                          | 1862.0     | 1990.0     | -          |
| 3     | 60.1             | 18                | 1                          | 1317.0     | -          | -          |
| 4     | 64.2             | 18                | 1                          | 1483.0     | -          | -          |
| 5     | 54.3             | 18                | 1                          | 1325.0     | -          | -          |
| 6     | 80.3             | 18                | 2                          | 1130.0     | 1337.0     | -          |
| 7     | 81.9             | 18                | 2                          | 1710.0     | 1980.0     | -          |
| 8     | 52.2             | 18                | 1                          | 1025.0     | -          | -          |
| 9     | 77.9             | 18                | 2                          | 1518.0     | 1528.0     | -          |
| 10    | 88.4             | 18                | 3                          | 1940.0     | 1313.0     | 1104.0     |
| 11    | 50.2             | 18                | 1                          | 1572.0     | -          | -          |
| 12    | 59.0             | 18                | 1                          | 1972.0     | -          | -          |
| 13    | 61.7             | 18                | 1                          | 1932.0     | -          | -          |
| 14    | 79.1             | 18                | 2                          | 1669.0     | 1238.0     | -          |
| 15    | 60.2             | 18                | 1                          | 1210.0     | -          | -          |
| 16    | 80.8             | 18                | 2                          | 1428.0     | 1979.0     | -          |
| 17    | 64.6             | 18                | 1                          | 1259.0     | -          | -          |
| 18    | 76.5             | 18                | 2                          | 1467.0     | 1954.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_11

Number of Bursts in Trial: 20

Chirp Center Frequency: 5498.55 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 91.6             | 20                | 3                          | 1851.0     | 1870.0     | 1103.0     |
| 2     | 66.5             | 20                | 1                          | 1258.0     | -          | -          |
| 3     | 67.7             | 20                | 2                          | 1910.0     | 1261.0     | -          |
| 4     | 61.6             | 20                | 1                          | 1382.0     | -          | -          |
| 5     | 63.8             | 20                | 1                          | 1767.0     | -          | -          |
| 6     | 61.2             | 20                | 1                          | 1973.0     | -          | -          |
| 7     | 92.4             | 20                | 3                          | 1849.0     | 1293.0     | 1675.0     |
| 8     | 68.4             | 20                | 2                          | 1523.0     | 1719.0     | -          |
| 9     | 53.3             | 20                | 1                          | 1702.0     | -          | -          |
| 10    | 98.4             | 20                | 3                          | 1981.0     | 1444.0     | 1058.0     |
| 11    | 92.9             | 20                | 3                          | 1650.0     | 1498.0     | 1115.0     |
| 12    | 82.7             | 20                | 2                          | 1957.0     | 1888.0     | -          |
| 13    | 99.7             | 20                | 3                          | 1331.0     | 1255.0     | 1916.0     |
| 14    | 52.4             | 20                | 1                          | 1078.0     | -          | -          |
| 15    | 73.7             | 20                | 2                          | 1678.0     | 1682.0     | -          |
| 16    | 65.6             | 20                | 1                          | 1033.0     | -          | -          |
| 17    | 87.0             | 20                | 3                          | 1757.0     | 1443.0     | 1205.0     |
| 18    | 62.2             | 20                | 1                          | 1212.0     | -          | -          |
| 19    | 87.2             | 20                | 3                          | 1354.0     | 1022.0     | 1919.0     |
| 20    | 64.1             | 20                | 1                          | 1709.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_12

Number of Bursts in Trial: 20

Chirp Center Frequency: 5498.15 MHz

| Burst | Pulse Width<br>(us) | Chirp Width<br>(MHz) | Number of<br>Pulses per<br>Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------------|----------------------------------|------------|------------|------------|
| 1     | 52.4                | 19                   | 1                                | 1795.0     | -          | -          |
| 2     | 98.1                | 19                   | 3                                | 1461.0     | 1116.0     | 1160.0     |
| 3     | 85.5                | 19                   | 3                                | 1063.0     | 1301.0     | 1665.0     |
| 4     | 79.2                | 19                   | 2                                | 1559.0     | 1689.0     | -          |
| 5     | 91.3                | 19                   | 3                                | 1730.0     | 1060.0     | 1435.0     |
| 6     | 65.5                | 19                   | 1                                | 1228.0     | -          | -          |
| 7     | 53.7                | 19                   | 1                                | 1632.0     | -          | -          |
| 8     | 87.7                | 19                   | 3                                | 1850.0     | 1098.0     | 1037.0     |
| 9     | 63.5                | 19                   | 1                                | 1479.0     | -          | -          |
| 10    | 65.5                | 19                   | 1                                | 1947.0     | -          | -          |
| 11    | 61.8                | 19                   | 1                                | 1389.0     | -          | -          |
| 12    | 92.4                | 19                   | 3                                | 1239.0     | 1848.0     | 1360.0     |
| 13    | 59.0                | 19                   | 1                                | 1451.0     | -          | -          |
| 14    | 50.6                | 19                   | 1                                | 1202.0     | -          | -          |
| 15    | 58.4                | 19                   | 1                                | 1432.0     | -          | -          |
| 16    | 81.4                | 19                   | 2                                | 1538.0     | 1288.0     | -          |
| 17    | 90.2                | 19                   | 3                                | 1512.0     | 1758.0     | 1007.0     |
| 18    | 88.6                | 19                   | 3                                | 1623.0     | 1314.0     | 1286.0     |
| 19    | 58.5                | 19                   | 1                                | 1294.0     | -          | -          |
| 20    | 98.9                | 19                   | 3                                | 1842.0     | 1540.0     | 1984.0     |



Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_13

Number of Bursts in Trial: 17

Chirp Center Frequency: 5496.95 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 71.8             | 16                | 2                          | 1813.0     | 1217.0     | -          |
| 2     | 86.0             | 16                | 3                          | 1366.0     | 1305.0     | 1245.0     |
| 3     | 76.9             | 16                | 2                          | 1404.0     | 1563.0     | -          |
| 4     | 83.5             | 16                | 3                          | 1925.0     | 1472.0     | 1625.0     |
| 5     | 59.4             | 16                | 1                          | 1582.0     | -          | -          |
| 6     | 95.3             | 16                | 3                          | 1128.0     | 1658.0     | 1858.0     |
| 7     | 88.7             | 16                | 3                          | 1886.0     | 1364.0     | 1601.0     |
| 8     | 97.8             | 16                | 3                          | 1164.0     | 1297.0     | 1823.0     |
| 9     | 85.3             | 16                | 3                          | 1782.0     | 1282.0     | 1995.0     |
| 10    | 96.1             | 16                | 3                          | 1086.0     | 1064.0     | 1521.0     |
| 11    | 92.2             | 16                | 3                          | 1318.0     | 1069.0     | 1931.0     |
| 12    | 98.1             | 16                | 3                          | 1367.0     | 1042.0     | 1986.0     |
| 13    | 93.7             | 16                | 3                          | 1170.0     | 1946.0     | 1917.0     |
| 14    | 50.4             | 16                | 1                          | 1578.0     | -          | -          |
| 15    | 74.0             | 16                | 2                          | 1736.0     | 1606.0     | -          |
| 16    | 93.5             | 16                | 3                          | 1379.0     | 1380.0     | 1855.0     |
| 17    | 81.0             | 16                | 2                          | 1361.0     | 1877.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_14

Number of Bursts in Trial: 9

Chirp Center Frequency: 5492.95 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 88.5             | 6                 | 3                          | 1642.0     | 1371.0     | 1896.0     |
| 2     | 70.4             | 6                 | 2                          | 1792.0     | 1531.0     | -          |
| 3     | 98.3             | 6                 | 3                          | 1793.0     | 1817.0     | 1427.0     |
| 4     | 57.5             | 6                 | 1                          | 1776.0     | -          | -          |
| 5     | 54.7             | 6                 | 1                          | 1609.0     | -          | -          |
| 6     | 54.8             | 6                 | 1                          | 1575.0     | -          | -          |
| 7     | 87.9             | 6                 | 3                          | 1271.0     | 1684.0     | 1506.0     |
| 8     | 86.6             | 6                 | 3                          | 1721.0     | 1429.0     | 1904.0     |
| 9     | 50.4             | 6                 | 1                          | 1383.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_15

Number of Bursts in Trial: 11

Chirp Center Frequency: 5494.15 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 73.7             | 9                 | 2                          | 1635.0     | 1909.0     | -          |
| 2     | 99.1             | 9                 | 3                          | 1756.0     | 1959.0     | 1618.0     |
| 3     | 94.1             | 9                 | 3                          | 1136.0     | 1745.0     | 1655.0     |
| 4     | 92.4             | 9                 | 3                          | 1529.0     | 1214.0     | 1125.0     |
| 5     | 75.5             | 9                 | 2                          | 1047.0     | 1672.0     | -          |
| 6     | 98.4             | 9                 | 3                          | 1588.0     | 1112.0     | 1206.0     |
| 7     | 53.6             | 9                 | 1                          | 1089.0     | -          | -          |
| 8     | 88.3             | 9                 | 3                          | 1097.0     | 1533.0     | 1108.0     |
| 9     | 92.4             | 9                 | 3                          | 1834.0     | 1847.0     | 1715.0     |
| 10    | 66.4             | 9                 | 1                          | 1106.0     | -          | -          |
| 11    | 71.1             | 9                 | 2                          | 1602.0     | 1410.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_16

Number of Bursts in Trial: 14

Chirp Center Frequency: 5495.75 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 52.0             | 13                | 1                          | 1333.0     | -          | -          |
| 2     | 69.8             | 13                | 2                          | 1636.0     | 1836.0     | -          |
| 3     | 96.0             | 13                | 3                          | 1080.0     | 1640.0     | 1866.0     |
| 4     | 76.9             | 13                | 2                          | 1173.0     | 1408.0     | -          |
| 5     | 55.9             | 13                | 1                          | 1927.0     | -          | -          |
| 6     | 52.3             | 13                | 1                          | 1923.0     | -          | -          |
| 7     | 67.5             | 13                | 2                          | 1962.0     | 1594.0     | -          |
| 8     | 73.4             | 13                | 2                          | 1698.0     | 1791.0     | -          |
| 9     | 63.7             | 13                | 1                          | 1982.0     | -          | -          |
| 10    | 98.8             | 13                | 3                          | 1942.0     | 1013.0     | 1537.0     |
| 11    | 58.5             | 13                | 1                          | 1867.0     | -          | -          |
| 12    | 76.6             | 13                | 2                          | 1969.0     | 1262.0     | -          |
| 13    | 64.9             | 13                | 1                          | 1005.0     | -          | -          |
| 14    | 50.3             | 13                | 1                          | 1285.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_17

Number of Bursts in Trial: 20

Chirp Center Frequency: 5498.55 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 51.6             | 20                | 1                          | 1457.0     | -          | -          |
| 2     | 68.1             | 20                | 2                          | 1741.0     | 1308.0     | -          |
| 3     | 60.2             | 20                | 1                          | 1216.0     | -          | -          |
| 4     | 91.4             | 20                | 3                          | 1987.0     | 1913.0     | 1822.0     |
| 5     | 67.0             | 20                | 2                          | 1645.0     | 1662.0     | -          |
| 6     | 81.2             | 20                | 2                          | 1960.0     | 1661.0     | -          |
| 7     | 89.1             | 20                | 3                          | 1127.0     | 1589.0     | 1121.0     |
| 8     | 97.0             | 20                | 3                          | 1554.0     | 1558.0     | 1492.0     |
| 9     | 59.0             | 20                | 1                          | 1241.0     | -          | -          |
| 10    | 71.6             | 20                | 2                          | 1812.0     | 1349.0     | -          |
| 11    | 89.7             | 20                | 3                          | 1807.0     | 1875.0     | 1273.0     |
| 12    | 53.6             | 20                | 1                          | 1614.0     | -          | -          |
| 13    | 92.9             | 20                | 3                          | 1612.0     | 1666.0     | 1310.0     |
| 14    | 70.5             | 20                | 2                          | 1644.0     | 1797.0     | -          |
| 15    | 93.8             | 20                | 3                          | 1215.0     | 1997.0     | 1465.0     |
| 16    | 94.4             | 20                | 3                          | 1316.0     | 1726.0     | 1264.0     |
| 17    | 55.3             | 20                | 1                          | 1885.0     | -          | -          |
| 18    | 58.1             | 20                | 1                          | 1566.0     | -          | -          |
| 19    | 57.6             | 20                | 1                          | 1788.0     | -          | -          |
| 20    | 72.3             | 20                | 2                          | 1257.0     | 1569.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_18

Number of Bursts in Trial: 13

Chirp Center Frequency: 5494.95 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 79.0             | 11                | 2                          | 1894.0     | 1433.0     | -          |
| 2     | 68.7             | 11                | 2                          | 1182.0     | 1481.0     | -          |
| 3     | 74.5             | 11                | 2                          | 1499.0     | 1600.0     | -          |
| 4     | 71.4             | 11                | 2                          | 1277.0     | 1146.0     | -          |
| 5     | 51.6             | 11                | 1                          | 1321.0     | -          | -          |
| 6     | 52.4             | 11                | 1                          | 1895.0     | -          | -          |
| 7     | 87.4             | 11                | 3                          | 1402.0     | 1219.0     | 1508.0     |
| 8     | 64.4             | 11                | 1                          | 1680.0     | -          | -          |
| 9     | 72.8             | 11                | 2                          | 1027.0     | 1218.0     | -          |
| 10    | 51.6             | 11                | 1                          | 1424.0     | -          | -          |
| 11    | 65.1             | 11                | 1                          | 1045.0     | -          | -          |
| 12    | 72.4             | 11                | 2                          | 1511.0     | 1320.0     | -          |
| 13    | 79.1             | 11                | 2                          | 1386.0     | 1270.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_19

Number of Bursts in Trial: 8

Chirp Center Frequency: 5492.55 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 92.0             | 5                 | 3                          | 1764.0     | 1111.0     | 1501.0     |
| 2     | 73.9             | 5                 | 2                          | 1869.0     | 1447.0     | -          |
| 3     | 80.3             | 5                 | 2                          | 1617.0     | 1179.0     | -          |
| 4     | 93.5             | 5                 | 3                          | 1120.0     | 1446.0     | 1693.0     |
| 5     | 97.0             | 5                 | 3                          | 1032.0     | 1011.0     | 1633.0     |
| 6     | 75.3             | 5                 | 2                          | 1335.0     | 1841.0     | -          |
| 7     | 85.3             | 5                 | 3                          | 1759.0     | 1355.0     | 1458.0     |
| 8     | 82.0             | 5                 | 2                          | 1040.0     | 1725.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_20

Number of Bursts in Trial: 17

Chirp Center Frequency: 5496.95 MHz

| Burst | Pulse Width<br>(us) | Chirp Width<br>(MHz) | Number of<br>Pulses per<br>Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------------|----------------------------------|------------|------------|------------|
| 1     | 55.0                | 16                   | 1                                | 1934.0     | -          | -          |
| 2     | 60.7                | 16                   | 1                                | 1706.0     | -          | -          |
| 3     | 74.4                | 16                   | 2                                | 1704.0     | 1638.0     | -          |
| 4     | 87.3                | 16                   | 3                                | 1967.0     | 1193.0     | 1832.0     |
| 5     | 52.2                | 16                   | 1                                | 1924.0     | -          | -          |
| 6     | 59.4                | 16                   | 1                                | 1509.0     | -          | -          |
| 7     | 97.1                | 16                   | 3                                | 1490.0     | 1827.0     | 1881.0     |
| 8     | 79.6                | 16                   | 2                                | 1463.0     | 1860.0     | -          |
| 9     | 69.3                | 16                   | 2                                | 1090.0     | 1204.0     | -          |
| 10    | 93.5                | 16                   | 3                                | 1328.0     | 1426.0     | 1814.0     |
| 11    | 50.4                | 16                   | 1                                | 1474.0     | -          | -          |
| 12    | 69.0                | 16                   | 2                                | 1351.0     | 1530.0     | -          |
| 13    | 92.7                | 16                   | 3                                | 1101.0     | 1180.0     | 1029.0     |
| 14    | 71.4                | 16                   | 2                                | 1184.0     | 1243.0     | -          |
| 15    | 83.0                | 16                   | 2                                | 1407.0     | 1524.0     | -          |
| 16    | 93.7                | 16                   | 3                                | 1989.0     | 1054.0     | 1746.0     |
| 17    | 88.9                | 16                   | 3                                | 1864.0     | 1312.0     | 1933.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_21

Number of Bursts in Trial: 18

Chirp Center Frequency: 5502.65 MHz

| Burst | Pulse Width<br>(us) | Chirp Width<br>(MHz) | Number of<br>Pulses per<br>Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------------|----------------------------------|------------|------------|------------|
| 1     | 89.8                | 17                   | 3                                | 1452.0     | 1441.0     | 1619.0     |
| 2     | 64.6                | 17                   | 1                                | 1031.0     | -          | -          |
| 3     | 93.9                | 17                   | 3                                | 2000.0     | 1323.0     | 1503.0     |
| 4     | 74.7                | 17                   | 2                                | 1473.0     | 1065.0     | -          |
| 5     | 74.1                | 17                   | 2                                | 1965.0     | 1786.0     | -          |
| 6     | 57.3                | 17                   | 1                                | 1088.0     | -          | -          |
| 7     | 56.5                | 17                   | 1                                | 1729.0     | -          | -          |
| 8     | 67.2                | 17                   | 2                                | 1470.0     | 1211.0     | -          |
| 9     | 74.5                | 17                   | 2                                | 1300.0     | 1041.0     | -          |
| 10    | 50.8                | 17                   | 1                                | 1794.0     | -          | -          |
| 11    | 96.7                | 17                   | 3                                | 1445.0     | 1307.0     | 1035.0     |
| 12    | 63.5                | 17                   | 1                                | 1186.0     | -          | -          |
| 13    | 50.9                | 17                   | 1                                | 1626.0     | -          | -          |
| 14    | 58.4                | 17                   | 1                                | 1615.0     | -          | -          |
| 15    | 82.8                | 17                   | 2                                | 1668.0     | 1961.0     | -          |
| 16    | 72.3                | 17                   | 2                                | 1249.0     | 1804.0     | -          |
| 17    | 90.3                | 17                   | 3                                | 1815.0     | 1196.0     | 1580.0     |
| 18    | 73.9                | 17                   | 2                                | 1526.0     | 1200.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_22

Number of Bursts in Trial: 17

Chirp Center Frequency: 5503.05 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 57.9             | 16                | 1                          | 1749.0     | -          | -          |
| 2     | 50.0             | 16                | 1                          | 1338.0     | -          | -          |
| 3     | 84.2             | 16                | 3                          | 1190.0     | 1422.0     | 1545.0     |
| 4     | 99.4             | 16                | 3                          | 1234.0     | 1265.0     | 1735.0     |
| 5     | 93.0             | 16                | 3                          | 1269.0     | 1003.0     | 1648.0     |
| 6     | 90.3             | 16                | 3                          | 1043.0     | 1700.0     | 1573.0     |
| 7     | 84.8             | 16                | 3                          | 1376.0     | 1342.0     | 1466.0     |
| 8     | 53.5             | 16                | 1                          | 1905.0     | -          | -          |
| 9     | 58.2             | 16                | 1                          | 1417.0     | -          | -          |
| 10    | 64.6             | 16                | 1                          | 1348.0     | -          | -          |
| 11    | 53.3             | 16                | 1                          | 1647.0     | -          | -          |
| 12    | 86.5             | 16                | 3                          | 1077.0     | 1517.0     | 1105.0     |
| 13    | 70.6             | 16                | 2                          | 1055.0     | 1488.0     | -          |
| 14    | 91.0             | 16                | 3                          | 1350.0     | 1039.0     | 1138.0     |
| 15    | 86.6             | 16                | 3                          | 1237.0     | 1085.0     | 1802.0     |
| 16    | 54.5             | 16                | 1                          | 1131.0     | -          | -          |
| 17    | 57.1             | 16                | 1                          | 1805.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_23

Number of Bursts in Trial: 9

Chirp Center Frequency: 5506.65 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 60.7             | 7                 | 1                          | 1324.0     | -          | -          |
| 2     | 91.5             | 7                 | 3                          | 1882.0     | 1114.0     | 1653.0     |
| 3     | 57.3             | 7                 | 1                          | 1937.0     | -          | -          |
| 4     | 81.0             | 7                 | 2                          | 1737.0     | 1789.0     | -          |
| 5     | 53.3             | 7                 | 1                          | 1664.0     | -          | -          |
| 6     | 67.9             | 7                 | 2                          | 1046.0     | 1126.0     | -          |
| 7     | 70.0             | 7                 | 2                          | 1396.0     | 1375.0     | -          |
| 8     | 77.7             | 7                 | 2                          | 1777.0     | 1688.0     | -          |
| 9     | 58.5             | 7                 | 1                          | 1311.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_24

Number of Bursts in Trial: 8

Chirp Center Frequency: 5507.45 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 50.4             | 5                 | 1                          | 1494.0     | -          | -          |
| 2     | 66.1             | 5                 | 1                          | 1799.0     | -          | -          |
| 3     | 68.3             | 5                 | 2                          | 1781.0     | 1421.0     | -          |
| 4     | 85.0             | 5                 | 3                          | 1303.0     | 1378.0     | 1144.0     |
| 5     | 67.7             | 5                 | 2                          | 1541.0     | 1667.0     | -          |
| 6     | 96.7             | 5                 | 3                          | 1068.0     | 1119.0     | 1852.0     |
| 7     | 52.3             | 5                 | 1                          | 1516.0     | -          | -          |
| 8     | 97.6             | 5                 | 3                          | 1993.0     | 1796.0     | 1165.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_25

Number of Bursts in Trial: 14

Chirp Center Frequency: 5504.65 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 75.0             | 12                | 2                          | 1168.0     | 1774.0     | -          |
| 2     | 93.6             | 12                | 3                          | 1169.0     | 1178.0     | 1017.0     |
| 3     | 54.7             | 12                | 1                          | 1717.0     | -          | -          |
| 4     | 90.4             | 12                | 3                          | 1926.0     | 1278.0     | 1761.0     |
| 5     | 71.6             | 12                | 2                          | 1976.0     | 1232.0     | -          |
| 6     | 53.5             | 12                | 1                          | 1290.0     | -          | -          |
| 7     | 89.9             | 12                | 3                          | 1347.0     | 1897.0     | 1779.0     |
| 8     | 70.6             | 12                | 2                          | 1542.0     | 1052.0     | -          |
| 9     | 99.2             | 12                | 3                          | 1825.0     | 1358.0     | 1809.0     |
| 10    | 91.9             | 12                | 3                          | 1153.0     | 1520.0     | 1247.0     |
| 11    | 63.9             | 12                | 1                          | 1092.0     | -          | -          |
| 12    | 88.1             | 12                | 3                          | 1985.0     | 1359.0     | 1095.0     |
| 13    | 80.3             | 12                | 2                          | 1828.0     | 1534.0     | -          |
| 14    | 55.7             | 12                | 1                          | 1434.0     | -          | -          |



Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_26

Number of Bursts in Trial: 16

Chirp Center Frequency: 5503.45 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 76.9             | 15                | 2                          | 1783.0     | 1560.0     | -          |
| 2     | 96.4             | 15                | 3                          | 1091.0     | 1304.0     | 1388.0     |
| 3     | 51.2             | 15                | 1                          | 1056.0     | -          | -          |
| 4     | 72.1             | 15                | 2                          | 1892.0     | 1705.0     | -          |
| 5     | 80.9             | 15                | 2                          | 1495.0     | 1679.0     | -          |
| 6     | 83.0             | 15                | 2                          | 1712.0     | 1607.0     | -          |
| 7     | 93.0             | 15                | 3                          | 1246.0     | 1341.0     | 1724.0     |
| 8     | 54.5             | 15                | 1                          | 1384.0     | -          | -          |
| 9     | 82.2             | 15                | 2                          | 1093.0     | 1142.0     | -          |
| 10    | 64.1             | 15                | 1                          | 1831.0     | -          | -          |
| 11    | 71.6             | 15                | 2                          | 1412.0     | 1155.0     | -          |
| 12    | 84.4             | 15                | 3                          | 1515.0     | 1191.0     | 1743.0     |
| 13    | 89.9             | 15                | 3                          | 1838.0     | 1514.0     | 1176.0     |
| 14    | 68.6             | 15                | 2                          | 1800.0     | 1963.0     | -          |
| 15    | 85.2             | 15                | 3                          | 1646.0     | 1449.0     | 1295.0     |
| 16    | 73.2             | 15                | 2                          | 1074.0     | 1222.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_27

Number of Bursts in Trial: 12

Chirp Center Frequency: 5505.85 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 97.0             | 9                 | 3                          | 1571.0     | 1652.0     | 1830.0     |
| 2     | 56.7             | 9                 | 1                          | 1225.0     | -          | -          |
| 3     | 84.2             | 9                 | 3                          | 1707.0     | 1044.0     | 1656.0     |
| 4     | 73.0             | 9                 | 2                          | 1826.0     | 1500.0     | -          |
| 5     | 65.9             | 9                 | 1                          | 1863.0     | -          | -          |
| 6     | 93.0             | 9                 | 3                          | 1887.0     | 1057.0     | 1230.0     |
| 7     | 99.9             | 9                 | 3                          | 1118.0     | 1824.0     | 1861.0     |
| 8     | 66.8             | 9                 | 2                          | 1780.0     | 1283.0     | -          |
| 9     | 89.1             | 9                 | 3                          | 1411.0     | 1401.0     | 1771.0     |
| 10    | 88.0             | 9                 | 3                          | 1734.0     | 1915.0     | 1907.0     |
| 11    | 67.4             | 9                 | 2                          | 1132.0     | 1030.0     | -          |
| 12    | 60.4             | 9                 | 1                          | 1263.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_28

Number of Bursts in Trial: 16

Chirp Center Frequency: 5503.05 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 54.2             | 16                | 1                          | 1971.0     | -          | -          |
| 2     | 76.0             | 16                | 2                          | 1400.0     | 1513.0     | -          |
| 3     | 56.1             | 16                | 1                          | 1133.0     | -          | -          |
| 4     | 89.7             | 16                | 3                          | 1670.0     | 1991.0     | 1020.0     |
| 5     | 78.3             | 16                | 2                          | 1587.0     | 1546.0     | -          |
| 6     | 94.8             | 16                | 3                          | 1819.0     | 1326.0     | 1584.0     |
| 7     | 89.2             | 16                | 3                          | 1208.0     | 1185.0     | 1436.0     |
| 8     | 71.9             | 16                | 2                          | 1145.0     | 1713.0     | -          |
| 9     | 83.8             | 16                | 3                          | 1339.0     | 1221.0     | 1403.0     |
| 10    | 95.7             | 16                | 3                          | 1377.0     | 1966.0     | 1209.0     |
| 11    | 65.7             | 16                | 1                          | 1353.0     | -          | -          |
| 12    | 69.4             | 16                | 2                          | 1728.0     | 1327.0     | -          |
| 13    | 54.6             | 16                | 1                          | 1539.0     | -          | -          |
| 14    | 70.4             | 16                | 2                          | 1309.0     | 1643.0     | -          |
| 15    | 61.4             | 16                | 1                          | 1135.0     | -          | -          |
| 16    | 90.6             | 16                | 3                          | 1570.0     | 1766.0     | 1485.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_29

Number of Bursts in Trial: 13

Chirp Center Frequency: 5505.05 MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 68.8             | 11                | 2                          | 1833.0     | 1598.0     | -          |
| 2     | 87.2             | 11                | 3                          | 1161.0     | 1280.0     | 1390.0     |
| 3     | 63.6             | 11                | 1                          | 1773.0     | -          | -          |
| 4     | 71.2             | 11                | 2                          | 1175.0     | 1497.0     | -          |
| 5     | 85.4             | 11                | 3                          | 1252.0     | 1151.0     | 1448.0     |
| 6     | 76.0             | 11                | 2                          | 1343.0     | 1772.0     | -          |
| 7     | 95.0             | 11                | 3                          | 1139.0     | 1527.0     | 1477.0     |
| 8     | 57.1             | 11                | 1                          | 1890.0     | -          | -          |
| 9     | 53.8             | 11                | 1                          | 1941.0     | -          | -          |
| 10    | 57.2             | 11                | 1                          | 1683.0     | -          | -          |
| 11    | 89.8             | 11                | 3                          | 1507.0     | 1462.0     | 1419.0     |
| 12    | 83.9             | 11                | 3                          | 1425.0     | 1459.0     | 1275.0     |
| 13    | 96.5             | 11                | 3                          | 1567.0     | 1394.0     | 1254.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_30

Number of Bursts in Trial: 8

Chrip Center Frequency: 5507.45 MHz

| Burst | Pulse Width (us) | Chrip Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 84.5             | 5                 | 3                          | 1902.0     | 1977.0     | 1156.0     |
| 2     | 83.0             | 5                 | 2                          | 1240.0     | 1365.0     | -          |
| 3     | 93.0             | 5                 | 3                          | 1844.0     | 1067.0     | 1231.0     |
| 4     | 65.5             | 5                 | 1                          | 1519.0     | -          | -          |
| 5     | 82.5             | 5                 | 2                          | 1964.0     | 1260.0     | -          |
| 6     | 50.3             | 5                 | 1                          | 1082.0     | -          | -          |
| 7     | 56.1             | 5                 | 1                          | 1220.0     | -          | -          |
| 8     | 58.0             | 5                 | 1                          | 1816.0     | -          | -          |

| Type 6 Radar Statistical Performances |                  |                    |            |                      |
|---------------------------------------|------------------|--------------------|------------|----------------------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Detection            |
| 1                                     | 9                | 1                  | 333.3      | Yes                  |
| 2                                     | 9                | 1                  | 333.3      | Yes                  |
| 3                                     | 9                | 1                  | 333.3      | Yes                  |
| 4                                     | 9                | 1                  | 333.3      | Yes                  |
| 5                                     | 9                | 1                  | 333.3      | Yes                  |
| 6                                     | 9                | 1                  | 333.3      | Yes                  |
| 7                                     | 9                | 1                  | 333.3      | Yes                  |
| 8                                     | 9                | 1                  | 333.3      | Yes                  |
| 9                                     | 9                | 1                  | 333.3      | Yes                  |
| 10                                    | 9                | 1                  | 333.3      | Yes                  |
| 11                                    | 9                | 1                  | 333.3      | Yes                  |
| 12                                    | 9                | 1                  | 333.3      | Yes                  |
| 13                                    | 9                | 1                  | 333.3      | Yes                  |
| 14                                    | 9                | 1                  | 333.3      | Yes                  |
| 15                                    | 9                | 1                  | 333.3      | Yes                  |
| 16                                    | 9                | 1                  | 333.3      | Yes                  |
| 17                                    | 9                | 1                  | 333.3      | Yes                  |
| 18                                    | 9                | 1                  | 333.3      | Yes                  |
| 19                                    | 9                | 1                  | 333.3      | Yes                  |
| 20                                    | 9                | 1                  | 333.3      | Yes                  |
| 21                                    | 9                | 1                  | 333.3      | Yes                  |
| 22                                    | 9                | 1                  | 333.3      | Yes                  |
| 23                                    | 9                | 1                  | 333.3      | Yes                  |
| 24                                    | 9                | 1                  | 333.3      | Yes                  |
| 25                                    | 9                | 1                  | 333.3      | Yes                  |
| 26                                    | 9                | 1                  | 333.3      | Yes                  |
| 27                                    | 9                | 1                  | 333.3      | Yes                  |
| 28                                    | 9                | 1                  | 333.3      | Yes                  |
| 29                                    | 9                | 1                  | 333.3      | Yes                  |
| 30                                    | 9                | 1                  | 333.3      | Yes                  |
|                                       |                  |                    |            | Detection Rate:100 % |

| Type 6 Radar Statistical Performances |                                 |                      |
|---------------------------------------|---------------------------------|----------------------|
| Trial #                               | Hopping Frequency Sequence Name | Detection            |
| 1                                     | HOP_FREQ_SEQ_01                 | Yes                  |
| 2                                     | HOP_FREQ_SEQ_02                 | Yes                  |
| 3                                     | HOP_FREQ_SEQ_03                 | Yes                  |
| 4                                     | HOP_FREQ_SEQ_04                 | Yes                  |
| 5                                     | HOP_FREQ_SEQ_05                 | Yes                  |
| 6                                     | HOP_FREQ_SEQ_06                 | Yes                  |
| 7                                     | HOP_FREQ_SEQ_07                 | Yes                  |
| 8                                     | HOP_FREQ_SEQ_08                 | Yes                  |
| 9                                     | HOP_FREQ_SEQ_09                 | Yes                  |
| 10                                    | HOP_FREQ_SEQ_10                 | Yes                  |
| 11                                    | HOP_FREQ_SEQ_11                 | Yes                  |
| 12                                    | HOP_FREQ_SEQ_12                 | Yes                  |
| 13                                    | HOP_FREQ_SEQ_13                 | Yes                  |
| 14                                    | HOP_FREQ_SEQ_14                 | Yes                  |
| 15                                    | HOP_FREQ_SEQ_15                 | Yes                  |
| 16                                    | HOP_FREQ_SEQ_16                 | Yes                  |
| 17                                    | HOP_FREQ_SEQ_17                 | Yes                  |
| 18                                    | HOP_FREQ_SEQ_18                 | Yes                  |
| 19                                    | HOP_FREQ_SEQ_19                 | Yes                  |
| 20                                    | HOP_FREQ_SEQ_20                 | Yes                  |
| 21                                    | HOP_FREQ_SEQ_21                 | Yes                  |
| 22                                    | HOP_FREQ_SEQ_22                 | Yes                  |
| 23                                    | HOP_FREQ_SEQ_23                 | Yes                  |
| 24                                    | HOP_FREQ_SEQ_24                 | Yes                  |
| 25                                    | HOP_FREQ_SEQ_25                 | Yes                  |
| 26                                    | HOP_FREQ_SEQ_26                 | Yes                  |
| 27                                    | HOP_FREQ_SEQ_27                 | Yes                  |
| 28                                    | HOP_FREQ_SEQ_28                 | Yes                  |
| 29                                    | HOP_FREQ_SEQ_29                 | Yes                  |
| 30                                    | HOP_FREQ_SEQ_30                 | Yes                  |
|                                       |                                 | Detection Rate: 100% |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.505G         | 2    | 5.674G         | 3    | 5.257G         | 4    | 5.690G         |
| 5                                                | 5.520G         | 6    | 5.262G         | 7    | 5.356G         | 8    | 5.439G         |
| 9                                                | 5.685G         | 10   | 5.332G         | 11   | 5.720G         | 12   | 5.579G         |
| 13                                               | 5.313G         | 14   | 5.383G         | 15   | 5.697G         | 16   | 5.318G         |
| 17                                               | 5.695G         | 18   | 5.461G         | 19   | 5.719G         | 20   | 5.606G         |
| 21                                               | 5.533G         | 22   | 5.287G         | 23   | 5.675G         | 24   | 5.540G         |
| 25                                               | 5.604G         | 26   | 5.591G         | 27   | 5.564G         | 28   | 5.612G         |
| 29                                               | 5.399G         | 30   | 5.593G         | 31   | 5.600G         | 32   | 5.478G         |
| 33                                               | 5.667G         | 34   | 5.434G         | 35   | 5.299G         | 36   | 5.387G         |
| 37                                               | 5.319G         | 38   | 5.376G         | 39   | 5.710G         | 40   | 5.581G         |
| 41                                               | 5.624G         | 42   | 5.302G         | 43   | 5.406G         | 44   | 5.272G         |
| 45                                               | 5.531G         | 46   | 5.298G         | 47   | 5.303G         | 48   | 5.265G         |
| 49                                               | 5.688G         | 50   | 5.372G         | 51   | 5.699G         | 52   | 5.550G         |
| 53                                               | 5.336G         | 54   | 5.308G         | 55   | 5.565G         | 56   | 5.269G         |
| 57                                               | 5.635G         | 58   | 5.650G         | 59   | 5.357G         | 60   | 5.462G         |
| 61                                               | 5.389G         | 62   | 5.626G         | 63   | 5.411G         | 64   | 5.386G         |
| 65                                               | 5.665G         | 66   | 5.481G         | 67   | 5.354G         | 68   | 5.267G         |
| 69                                               | 5.279G         | 70   | 5.558G         | 71   | 5.578G         | 72   | 5.647G         |
| 73                                               | 5.717G         | 74   | 5.382G         | 75   | 5.297G         | 76   | 5.601G         |
| 77                                               | 5.630G         | 78   | 5.603G         | 79   | 5.676G         | 80   | 5.657G         |
| 81                                               | 5.608G         | 82   | 5.329G         | 83   | 5.388G         | 84   | 5.602G         |
| 85                                               | 5.549G         | 86   | 5.451G         | 87   | 5.709G         | 88   | 5.716G         |
| 89                                               | 5.643G         | 90   | 5.285G         | 91   | 5.377G         | 92   | 5.443G         |
| 93                                               | 5.535G         | 94   | 5.584G         | 95   | 5.506G         | 96   | 5.723G         |
| 97                                               | 5.507G         | 98   | 5.712G         | 99   | 5.680G         | 100  | 5.724G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.350G         | 2    | 5.673G         | 3    | 5.251G         | 4    | 5.286G         |
| 5                                                | 5.699G         | 6    | 5.714G         | 7    | 5.500G         | 8    | 5.265G         |
| 9                                                | 5.299G         | 10   | 5.455G         | 11   | 5.359G         | 12   | 5.611G         |
| 13                                               | 5.487G         | 14   | 5.448G         | 15   | 5.663G         | 16   | 5.373G         |
| 17                                               | 5.269G         | 18   | 5.614G         | 19   | 5.439G         | 20   | 5.385G         |
| 21                                               | 5.680G         | 22   | 5.603G         | 23   | 5.363G         | 24   | 5.341G         |
| 25                                               | 5.303G         | 26   | 5.504G         | 27   | 5.576G         | 28   | 5.584G         |
| 29                                               | 5.632G         | 30   | 5.535G         | 31   | 5.402G         | 32   | 5.597G         |
| 33                                               | 5.308G         | 34   | 5.566G         | 35   | 5.689G         | 36   | 5.301G         |
| 37                                               | 5.494G         | 38   | 5.400G         | 39   | 5.513G         | 40   | 5.691G         |
| 41                                               | 5.553G         | 42   | 5.343G         | 43   | 5.532G         | 44   | 5.520G         |
| 45                                               | 5.664G         | 46   | 5.718G         | 47   | 5.612G         | 48   | 5.444G         |
| 49                                               | 5.452G         | 50   | 5.588G         | 51   | 5.307G         | 52   | 5.422G         |
| 53                                               | 5.662G         | 54   | 5.275G         | 55   | 5.583G         | 56   | 5.578G         |
| 57                                               | 5.595G         | 58   | 5.479G         | 59   | 5.410G         | 60   | 5.693G         |
| 61                                               | 5.465G         | 62   | 5.312G         | 63   | 5.268G         | 64   | 5.629G         |
| 65                                               | 5.671G         | 66   | 5.284G         | 67   | 5.406G         | 68   | 5.624G         |
| 69                                               | 5.300G         | 70   | 5.568G         | 71   | 5.318G         | 72   | 5.711G         |
| 73                                               | 5.330G         | 74   | 5.399G         | 75   | 5.694G         | 76   | 5.631G         |
| 77                                               | 5.416G         | 78   | 5.723G         | 79   | 5.637G         | 80   | 5.339G         |
| 81                                               | 5.252G         | 82   | 5.703G         | 83   | 5.654G         | 84   | 5.538G         |
| 85                                               | 5.478G         | 86   | 5.482G         | 87   | 5.474G         | 88   | 5.407G         |
| 89                                               | 5.279G         | 90   | 5.316G         | 91   | 5.592G         | 92   | 5.627G         |
| 93                                               | 5.594G         | 94   | 5.633G         | 95   | 5.380G         | 96   | 5.598G         |
| 97                                               | 5.533G         | 98   | 5.446G         | 99   | 5.526G         | 100  | 5.555G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.501G         | 2    | 5.592G         | 3    | 5.263G         | 4    | 5.484G         |
| 5                                                | 5.549G         | 6    | 5.346G         | 7    | 5.361G         | 8    | 5.576G         |
| 9                                                | 5.264G         | 10   | 5.700G         | 11   | 5.623G         | 12   | 5.324G         |
| 13                                               | 5.640G         | 14   | 5.669G         | 15   | 5.344G         | 16   | 5.579G         |
| 17                                               | 5.703G         | 18   | 5.585G         | 19   | 5.382G         | 20   | 5.601G         |
| 21                                               | 5.364G         | 22   | 5.296G         | 23   | 5.524G         | 24   | 5.532G         |
| 25                                               | 5.546G         | 26   | 5.555G         | 27   | 5.710G         | 28   | 5.644G         |
| 29                                               | 5.465G         | 30   | 5.456G         | 31   | 5.526G         | 32   | 5.627G         |
| 33                                               | 5.621G         | 34   | 5.717G         | 35   | 5.667G         | 36   | 5.652G         |
| 37                                               | 5.659G         | 38   | 5.498G         | 39   | 5.478G         | 40   | 5.386G         |
| 41                                               | 5.654G         | 42   | 5.508G         | 43   | 5.716G         | 44   | 5.599G         |
| 45                                               | 5.408G         | 46   | 5.427G         | 47   | 5.306G         | 48   | 5.402G         |
| 49                                               | 5.337G         | 50   | 5.464G         | 51   | 5.712G         | 52   | 5.358G         |
| 53                                               | 5.278G         | 54   | 5.680G         | 55   | 5.365G         | 56   | 5.442G         |
| 57                                               | 5.432G         | 58   | 5.538G         | 59   | 5.315G         | 60   | 5.587G         |
| 61                                               | 5.342G         | 62   | 5.615G         | 63   | 5.674G         | 64   | 5.563G         |
| 65                                               | 5.668G         | 66   | 5.460G         | 67   | 5.590G         | 68   | 5.542G         |
| 69                                               | 5.685G         | 70   | 5.469G         | 71   | 5.453G         | 72   | 5.429G         |
| 73                                               | 5.504G         | 74   | 5.660G         | 75   | 5.353G         | 76   | 5.616G         |
| 77                                               | 5.417G         | 78   | 5.672G         | 79   | 5.331G         | 80   | 5.393G         |
| 81                                               | 5.449G         | 82   | 5.347G         | 83   | 5.610G         | 84   | 5.706G         |
| 85                                               | 5.314G         | 86   | 5.321G         | 87   | 5.415G         | 88   | 5.724G         |
| 89                                               | 5.392G         | 90   | 5.437G         | 91   | 5.691G         | 92   | 5.407G         |
| 93                                               | 5.625G         | 94   | 5.463G         | 95   | 5.582G         | 96   | 5.646G         |
| 97                                               | 5.622G         | 98   | 5.688G         | 99   | 5.266G         | 100  | 5.428G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.487G         | 2    | 5.498G         | 3    | 5.707G         | 4    | 5.277G         |
| 5                                                | 5.312G         | 6    | 5.447G         | 7    | 5.259G         | 8    | 5.548G         |
| 9                                                | 5.492G         | 10   | 5.699G         | 11   | 5.308G         | 12   | 5.677G         |
| 13                                               | 5.328G         | 14   | 5.520G         | 15   | 5.318G         | 16   | 5.433G         |
| 17                                               | 5.440G         | 18   | 5.294G         | 19   | 5.486G         | 20   | 5.258G         |
| 21                                               | 5.370G         | 22   | 5.405G         | 23   | 5.266G         | 24   | 5.380G         |
| 25                                               | 5.292G         | 26   | 5.590G         | 27   | 5.459G         | 28   | 5.495G         |
| 29                                               | 5.541G         | 30   | 5.564G         | 31   | 5.472G         | 32   | 5.680G         |
| 33                                               | 5.558G         | 34   | 5.319G         | 35   | 5.645G         | 36   | 5.475G         |
| 37                                               | 5.591G         | 38   | 5.375G         | 39   | 5.678G         | 40   | 5.649G         |
| 41                                               | 5.437G         | 42   | 5.674G         | 43   | 5.706G         | 44   | 5.460G         |
| 45                                               | 5.316G         | 46   | 5.636G         | 47   | 5.301G         | 48   | 5.660G         |
| 49                                               | 5.416G         | 50   | 5.284G         | 51   | 5.321G         | 52   | 5.545G         |
| 53                                               | 5.260G         | 54   | 5.353G         | 55   | 5.489G         | 56   | 5.334G         |
| 57                                               | 5.256G         | 58   | 5.600G         | 59   | 5.307G         | 60   | 5.683G         |
| 61                                               | 5.288G         | 62   | 5.637G         | 63   | 5.631G         | 64   | 5.253G         |
| 65                                               | 5.604G         | 66   | 5.709G         | 67   | 5.568G         | 68   | 5.697G         |
| 69                                               | 5.404G         | 70   | 5.508G         | 71   | 5.681G         | 72   | 5.345G         |
| 73                                               | 5.300G         | 74   | 5.497G         | 75   | 5.633G         | 76   | 5.655G         |
| 77                                               | 5.415G         | 78   | 5.333G         | 79   | 5.251G         | 80   | 5.374G         |
| 81                                               | 5.451G         | 82   | 5.443G         | 83   | 5.625G         | 84   | 5.473G         |
| 85                                               | 5.584G         | 86   | 5.338G         | 87   | 5.647G         | 88   | 5.304G         |
| 89                                               | 5.525G         | 90   | 5.542G         | 91   | 5.361G         | 92   | 5.650G         |
| 93                                               | 5.482G         | 94   | 5.666G         | 95   | 5.608G         | 96   | 5.589G         |
| 97                                               | 5.427G         | 98   | 5.384G         | 99   | 5.457G         | 100  | 5.355G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.583G         | 2    | 5.381G         | 3    | 5.662G         | 4    | 5.649G         |
| 5                                                | 5.275G         | 6    | 5.678G         | 7    | 5.287G         | 8    | 5.452G         |
| 9                                                | 5.461G         | 10   | 5.670G         | 11   | 5.279G         | 12   | 5.702G         |
| 13                                               | 5.399G         | 14   | 5.420G         | 15   | 5.479G         | 16   | 5.278G         |
| 17                                               | 5.487G         | 18   | 5.484G         | 19   | 5.320G         | 20   | 5.433G         |
| 21                                               | 5.550G         | 22   | 5.333G         | 23   | 5.573G         | 24   | 5.456G         |
| 25                                               | 5.299G         | 26   | 5.261G         | 27   | 5.263G         | 28   | 5.614G         |
| 29                                               | 5.321G         | 30   | 5.300G         | 31   | 5.391G         | 32   | 5.551G         |
| 33                                               | 5.600G         | 34   | 5.509G         | 35   | 5.718G         | 36   | 5.522G         |
| 37                                               | 5.396G         | 38   | 5.713G         | 39   | 5.457G         | 40   | 5.717G         |
| 41                                               | 5.659G         | 42   | 5.607G         | 43   | 5.536G         | 44   | 5.370G         |
| 45                                               | 5.329G         | 46   | 5.708G         | 47   | 5.534G         | 48   | 5.429G         |
| 49                                               | 5.492G         | 50   | 5.379G         | 51   | 5.653G         | 52   | 5.545G         |
| 53                                               | 5.620G         | 54   | 5.681G         | 55   | 5.546G         | 56   | 5.715G         |
| 57                                               | 5.616G         | 58   | 5.591G         | 59   | 5.508G         | 60   | 5.375G         |
| 61                                               | 5.271G         | 62   | 5.596G         | 63   | 5.500G         | 64   | 5.455G         |
| 65                                               | 5.318G         | 66   | 5.585G         | 67   | 5.336G         | 68   | 5.657G         |
| 69                                               | 5.598G         | 70   | 5.251G         | 71   | 5.512G         | 72   | 5.668G         |
| 73                                               | 5.665G         | 74   | 5.667G         | 75   | 5.682G         | 76   | 5.407G         |
| 77                                               | 5.489G         | 78   | 5.309G         | 79   | 5.490G         | 80   | 5.418G         |
| 81                                               | 5.257G         | 82   | 5.697G         | 83   | 5.719G         | 84   | 5.341G         |
| 85                                               | 5.689G         | 86   | 5.647G         | 87   | 5.568G         | 88   | 5.699G         |
| 89                                               | 5.674G         | 90   | 5.572G         | 91   | 5.619G         | 92   | 5.408G         |
| 93                                               | 5.664G         | 94   | 5.706G         | 95   | 5.360G         | 96   | 5.439G         |
| 97                                               | 5.284G         | 98   | 5.312G         | 99   | 5.367G         | 100  | 5.478G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.493G         | 2    | 5.665G         | 3    | 5.291G         | 4    | 5.553G         |
| 5                                                | 5.367G         | 6    | 5.518G         | 7    | 5.444G         | 8    | 5.350G         |
| 9                                                | 5.338G         | 10   | 5.467G         | 11   | 5.262G         | 12   | 5.629G         |
| 13                                               | 5.439G         | 14   | 5.406G         | 15   | 5.267G         | 16   | 5.293G         |
| 17                                               | 5.384G         | 18   | 5.447G         | 19   | 5.647G         | 20   | 5.716G         |
| 21                                               | 5.583G         | 22   | 5.697G         | 23   | 5.260G         | 24   | 5.609G         |
| 25                                               | 5.465G         | 26   | 5.632G         | 27   | 5.268G         | 28   | 5.593G         |
| 29                                               | 5.611G         | 30   | 5.546G         | 31   | 5.466G         | 32   | 5.478G         |
| 33                                               | 5.653G         | 34   | 5.660G         | 35   | 5.357G         | 36   | 5.454G         |
| 37                                               | 5.605G         | 38   | 5.502G         | 39   | 5.604G         | 40   | 5.703G         |
| 41                                               | 5.637G         | 42   | 5.519G         | 43   | 5.258G         | 44   | 5.601G         |
| 45                                               | 5.516G         | 46   | 5.346G         | 47   | 5.645G         | 48   | 5.638G         |
| 49                                               | 5.418G         | 50   | 5.354G         | 51   | 5.644G         | 52   | 5.456G         |
| 53                                               | 5.682G         | 54   | 5.702G         | 55   | 5.607G         | 56   | 5.503G         |
| 57                                               | 5.396G         | 58   | 5.441G         | 59   | 5.273G         | 60   | 5.548G         |
| 61                                               | 5.314G         | 62   | 5.371G         | 63   | 5.306G         | 64   | 5.360G         |
| 65                                               | 5.691G         | 66   | 5.413G         | 67   | 5.551G         | 68   | 5.485G         |
| 69                                               | 5.495G         | 70   | 5.419G         | 71   | 5.531G         | 72   | 5.492G         |
| 73                                               | 5.499G         | 74   | 5.392G         | 75   | 5.347G         | 76   | 5.497G         |
| 77                                               | 5.692G         | 78   | 5.342G         | 79   | 5.723G         | 80   | 5.356G         |
| 81                                               | 5.484G         | 82   | 5.491G         | 83   | 5.705G         | 84   | 5.563G         |
| 85                                               | 5.394G         | 86   | 5.397G         | 87   | 5.534G         | 88   | 5.269G         |
| 89                                               | 5.471G         | 90   | 5.514G         | 91   | 5.339G         | 92   | 5.640G         |
| 93                                               | 5.332G         | 94   | 5.680G         | 95   | 5.482G         | 96   | 5.488G         |
| 97                                               | 5.429G         | 98   | 5.430G         | 99   | 5.464G         | 100  | 5.295G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.320G         | 2    | 5.390G         | 3    | 5.286G         | 4    | 5.418G         |
| 5                                                | 5.603G         | 6    | 5.488G         | 7    | 5.457G         | 8    | 5.410G         |
| 9                                                | 5.299G         | 10   | 5.545G         | 11   | 5.358G         | 12   | 5.355G         |
| 13                                               | 5.454G         | 14   | 5.277G         | 15   | 5.687G         | 16   | 5.582G         |
| 17                                               | 5.434G         | 18   | 5.475G         | 19   | 5.619G         | 20   | 5.627G         |
| 21                                               | 5.307G         | 22   | 5.317G         | 23   | 5.319G         | 24   | 5.421G         |
| 25                                               | 5.556G         | 26   | 5.541G         | 27   | 5.623G         | 28   | 5.546G         |
| 29                                               | 5.336G         | 30   | 5.578G         | 31   | 5.304G         | 32   | 5.325G         |
| 33                                               | 5.574G         | 34   | 5.382G         | 35   | 5.570G         | 36   | 5.544G         |
| 37                                               | 5.700G         | 38   | 5.571G         | 39   | 5.491G         | 40   | 5.465G         |
| 41                                               | 5.272G         | 42   | 5.536G         | 43   | 5.279G         | 44   | 5.402G         |
| 45                                               | 5.628G         | 46   | 5.595G         | 47   | 5.479G         | 48   | 5.401G         |
| 49                                               | 5.451G         | 50   | 5.356G         | 51   | 5.309G         | 52   | 5.561G         |
| 53                                               | 5.539G         | 54   | 5.685G         | 55   | 5.648G         | 56   | 5.693G         |
| 57                                               | 5.414G         | 58   | 5.679G         | 59   | 5.362G         | 60   | 5.695G         |
| 61                                               | 5.256G         | 62   | 5.283G         | 63   | 5.376G         | 64   | 5.706G         |
| 65                                               | 5.504G         | 66   | 5.441G         | 67   | 5.284G         | 68   | 5.449G         |
| 69                                               | 5.476G         | 70   | 5.462G         | 71   | 5.381G         | 72   | 5.343G         |
| 73                                               | 5.638G         | 74   | 5.689G         | 75   | 5.357G         | 76   | 5.389G         |
| 77                                               | 5.255G         | 78   | 5.303G         | 79   | 5.592G         | 80   | 5.675G         |
| 81                                               | 5.450G         | 82   | 5.611G         | 83   | 5.566G         | 84   | 5.265G         |
| 85                                               | 5.510G         | 86   | 5.724G         | 87   | 5.680G         | 88   | 5.392G         |
| 89                                               | 5.296G         | 90   | 5.605G         | 91   | 5.490G         | 92   | 5.631G         |
| 93                                               | 5.560G         | 94   | 5.612G         | 95   | 5.555G         | 96   | 5.487G         |
| 97                                               | 5.530G         | 98   | 5.327G         | 99   | 5.573G         | 100  | 5.704G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.537G         | 2    | 5.669G         | 3    | 5.683G         | 4    | 5.517G         |
| 5                                                | 5.583G         | 6    | 5.304G         | 7    | 5.607G         | 8    | 5.656G         |
| 9                                                | 5.424G         | 10   | 5.441G         | 11   | 5.256G         | 12   | 5.552G         |
| 13                                               | 5.599G         | 14   | 5.277G         | 15   | 5.349G         | 16   | 5.707G         |
| 17                                               | 5.521G         | 18   | 5.478G         | 19   | 5.612G         | 20   | 5.302G         |
| 21                                               | 5.677G         | 22   | 5.581G         | 23   | 5.300G         | 24   | 5.412G         |
| 25                                               | 5.381G         | 26   | 5.259G         | 27   | 5.637G         | 28   | 5.251G         |
| 29                                               | 5.296G         | 30   | 5.565G         | 31   | 5.306G         | 32   | 5.285G         |
| 33                                               | 5.648G         | 34   | 5.563G         | 35   | 5.452G         | 36   | 5.555G         |
| 37                                               | 5.650G         | 38   | 5.495G         | 39   | 5.503G         | 40   | 5.594G         |
| 41                                               | 5.469G         | 42   | 5.582G         | 43   | 5.307G         | 44   | 5.255G         |
| 45                                               | 5.253G         | 46   | 5.323G         | 47   | 5.676G         | 48   | 5.709G         |
| 49                                               | 5.720G         | 50   | 5.712G         | 51   | 5.679G         | 52   | 5.482G         |
| 53                                               | 5.438G         | 54   | 5.415G         | 55   | 5.268G         | 56   | 5.636G         |
| 57                                               | 5.593G         | 58   | 5.427G         | 59   | 5.383G         | 60   | 5.661G         |
| 61                                               | 5.560G         | 62   | 5.697G         | 63   | 5.675G         | 64   | 5.468G         |
| 65                                               | 5.649G         | 66   | 5.298G         | 67   | 5.651G         | 68   | 5.400G         |
| 69                                               | 5.647G         | 70   | 5.467G         | 71   | 5.329G         | 72   | 5.652G         |
| 73                                               | 5.589G         | 74   | 5.347G         | 75   | 5.628G         | 76   | 5.500G         |
| 77                                               | 5.689G         | 78   | 5.368G         | 79   | 5.611G         | 80   | 5.387G         |
| 81                                               | 5.608G         | 82   | 5.473G         | 83   | 5.575G         | 84   | 5.278G         |
| 85                                               | 5.704G         | 86   | 5.662G         | 87   | 5.342G         | 88   | 5.592G         |
| 89                                               | 5.686G         | 90   | 5.702G         | 91   | 5.624G         | 92   | 5.434G         |
| 93                                               | 5.416G         | 94   | 5.553G         | 95   | 5.576G         | 96   | 5.477G         |
| 97                                               | 5.464G         | 98   | 5.396G         | 99   | 5.386G         | 100  | 5.432G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.349G         | 2    | 5.590G         | 3    | 5.466G         | 4    | 5.546G         |
| 5                                                | 5.530G         | 6    | 5.355G         | 7    | 5.575G         | 8    | 5.709G         |
| 9                                                | 5.350G         | 10   | 5.724G         | 11   | 5.456G         | 12   | 5.682G         |
| 13                                               | 5.625G         | 14   | 5.554G         | 15   | 5.713G         | 16   | 5.477G         |
| 17                                               | 5.432G         | 18   | 5.412G         | 19   | 5.454G         | 20   | 5.402G         |
| 21                                               | 5.357G         | 22   | 5.389G         | 23   | 5.626G         | 24   | 5.717G         |
| 25                                               | 5.282G         | 26   | 5.524G         | 27   | 5.697G         | 28   | 5.264G         |
| 29                                               | 5.467G         | 30   | 5.720G         | 31   | 5.459G         | 32   | 5.313G         |
| 33                                               | 5.640G         | 34   | 5.329G         | 35   | 5.605G         | 36   | 5.427G         |
| 37                                               | 5.295G         | 38   | 5.567G         | 39   | 5.302G         | 40   | 5.635G         |
| 41                                               | 5.278G         | 42   | 5.578G         | 43   | 5.461G         | 44   | 5.700G         |
| 45                                               | 5.455G         | 46   | 5.327G         | 47   | 5.592G         | 48   | 5.275G         |
| 49                                               | 5.632G         | 50   | 5.453G         | 51   | 5.422G         | 52   | 5.300G         |
| 53                                               | 5.721G         | 54   | 5.650G         | 55   | 5.704G         | 56   | 5.380G         |
| 57                                               | 5.403G         | 58   | 5.373G         | 59   | 5.367G         | 60   | 5.372G         |
| 61                                               | 5.492G         | 62   | 5.690G         | 63   | 5.618G         | 64   | 5.540G         |
| 65                                               | 5.508G         | 66   | 5.485G         | 67   | 5.496G         | 68   | 5.548G         |
| 69                                               | 5.512G         | 70   | 5.687G         | 71   | 5.296G         | 72   | 5.676G         |
| 73                                               | 5.499G         | 74   | 5.440G         | 75   | 5.579G         | 76   | 5.604G         |
| 77                                               | 5.608G         | 78   | 5.723G         | 79   | 5.576G         | 80   | 5.703G         |
| 81                                               | 5.433G         | 82   | 5.612G         | 83   | 5.482G         | 84   | 5.583G         |
| 85                                               | 5.633G         | 86   | 5.582G         | 87   | 5.437G         | 88   | 5.521G         |
| 89                                               | 5.601G         | 90   | 5.391G         | 91   | 5.647G         | 92   | 5.393G         |
| 93                                               | 5.419G         | 94   | 5.598G         | 95   | 5.434G         | 96   | 5.597G         |
| 97                                               | 5.446G         | 98   | 5.478G         | 99   | 5.551G         | 100  | 5.621G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.550G         | 2    | 5.265G         | 3    | 5.435G         | 4    | 5.470G         |
| 5                                                | 5.657G         | 6    | 5.490G         | 7    | 5.566G         | 8    | 5.303G         |
| 9                                                | 5.400G         | 10   | 5.263G         | 11   | 5.271G         | 12   | 5.372G         |
| 13                                               | 5.448G         | 14   | 5.659G         | 15   | 5.549G         | 16   | 5.571G         |
| 17                                               | 5.381G         | 18   | 5.398G         | 19   | 5.278G         | 20   | 5.511G         |
| 21                                               | 5.583G         | 22   | 5.333G         | 23   | 5.482G         | 24   | 5.494G         |
| 25                                               | 5.353G         | 26   | 5.668G         | 27   | 5.460G         | 28   | 5.563G         |
| 29                                               | 5.706G         | 30   | 5.421G         | 31   | 5.283G         | 32   | 5.703G         |
| 33                                               | 5.554G         | 34   | 5.503G         | 35   | 5.513G         | 36   | 5.461G         |
| 37                                               | 5.355G         | 38   | 5.341G         | 39   | 5.532G         | 40   | 5.528G         |
| 41                                               | 5.380G         | 42   | 5.698G         | 43   | 5.392G         | 44   | 5.582G         |
| 45                                               | 5.285G         | 46   | 5.425G         | 47   | 5.454G         | 48   | 5.617G         |
| 49                                               | 5.323G         | 50   | 5.281G         | 51   | 5.544G         | 52   | 5.466G         |
| 53                                               | 5.447G         | 54   | 5.420G         | 55   | 5.600G         | 56   | 5.676G         |
| 57                                               | 5.422G         | 58   | 5.638G         | 59   | 5.324G         | 60   | 5.295G         |
| 61                                               | 5.359G         | 62   | 5.483G         | 63   | 5.628G         | 64   | 5.350G         |
| 65                                               | 5.690G         | 66   | 5.389G         | 67   | 5.495G         | 68   | 5.252G         |
| 69                                               | 5.603G         | 70   | 5.688G         | 71   | 5.266G         | 72   | 5.696G         |
| 73                                               | 5.713G         | 74   | 5.649G         | 75   | 5.465G         | 76   | 5.413G         |
| 77                                               | 5.551G         | 78   | 5.615G         | 79   | 5.620G         | 80   | 5.358G         |
| 81                                               | 5.567G         | 82   | 5.442G         | 83   | 5.524G         | 84   | 5.506G         |
| 85                                               | 5.296G         | 86   | 5.597G         | 87   | 5.360G         | 88   | 5.484G         |
| 89                                               | 5.430G         | 90   | 5.407G         | 91   | 5.612G         | 92   | 5.619G         |
| 93                                               | 5.488G         | 94   | 5.631G         | 95   | 5.375G         | 96   | 5.432G         |
| 97                                               | 5.641G         | 98   | 5.342G         | 99   | 5.443G         | 100  | 5.590G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.408G         | 2    | 5.306G         | 3    | 5.263G         | 4    | 5.393G         |
| 5                                                | 5.321G         | 6    | 5.559G         | 7    | 5.525G         | 8    | 5.427G         |
| 9                                                | 5.723G         | 10   | 5.451G         | 11   | 5.696G         | 12   | 5.626G         |
| 13                                               | 5.709G         | 14   | 5.553G         | 15   | 5.257G         | 16   | 5.474G         |
| 17                                               | 5.261G         | 18   | 5.669G         | 19   | 5.462G         | 20   | 5.348G         |
| 21                                               | 5.487G         | 22   | 5.589G         | 23   | 5.625G         | 24   | 5.294G         |
| 25                                               | 5.262G         | 26   | 5.711G         | 27   | 5.362G         | 28   | 5.623G         |
| 29                                               | 5.568G         | 30   | 5.564G         | 31   | 5.666G         | 32   | 5.413G         |
| 33                                               | 5.538G         | 34   | 5.484G         | 35   | 5.641G         | 36   | 5.520G         |
| 37                                               | 5.721G         | 38   | 5.483G         | 39   | 5.659G         | 40   | 5.339G         |
| 41                                               | 5.300G         | 42   | 5.478G         | 43   | 5.563G         | 44   | 5.269G         |
| 45                                               | 5.684G         | 46   | 5.663G         | 47   | 5.252G         | 48   | 5.254G         |
| 49                                               | 5.480G         | 50   | 5.655G         | 51   | 5.521G         | 52   | 5.377G         |
| 53                                               | 5.603G         | 54   | 5.627G         | 55   | 5.314G         | 56   | 5.364G         |
| 57                                               | 5.629G         | 58   | 5.365G         | 59   | 5.351G         | 60   | 5.528G         |
| 61                                               | 5.657G         | 62   | 5.447G         | 63   | 5.270G         | 64   | 5.477G         |
| 65                                               | 5.515G         | 66   | 5.295G         | 67   | 5.268G         | 68   | 5.383G         |
| 69                                               | 5.251G         | 70   | 5.458G         | 71   | 5.320G         | 72   | 5.374G         |
| 73                                               | 5.492G         | 74   | 5.358G         | 75   | 5.357G         | 76   | 5.410G         |
| 77                                               | 5.676G         | 78   | 5.588G         | 79   | 5.414G         | 80   | 5.399G         |
| 81                                               | 5.498G         | 82   | 5.491G         | 83   | 5.604G         | 84   | 5.658G         |
| 85                                               | 5.330G         | 86   | 5.613G         | 87   | 5.317G         | 88   | 5.539G         |
| 89                                               | 5.652G         | 90   | 5.403G         | 91   | 5.675G         | 92   | 5.642G         |
| 93                                               | 5.551G         | 94   | 5.343G         | 95   | 5.460G         | 96   | 5.543G         |
| 97                                               | 5.369G         | 98   | 5.276G         | 99   | 5.532G         | 100  | 5.708G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.603G         | 2    | 5.666G         | 3    | 5.522G         | 4    | 5.502G         |
| 5                                                | 5.678G         | 6    | 5.480G         | 7    | 5.479G         | 8    | 5.281G         |
| 9                                                | 5.364G         | 10   | 5.297G         | 11   | 5.713G         | 12   | 5.316G         |
| 13                                               | 5.476G         | 14   | 5.662G         | 15   | 5.437G         | 16   | 5.710G         |
| 17                                               | 5.561G         | 18   | 5.306G         | 19   | 5.416G         | 20   | 5.463G         |
| 21                                               | 5.268G         | 22   | 5.498G         | 23   | 5.674G         | 24   | 5.313G         |
| 25                                               | 5.549G         | 26   | 5.294G         | 27   | 5.558G         | 28   | 5.637G         |
| 29                                               | 5.583G         | 30   | 5.462G         | 31   | 5.291G         | 32   | 5.492G         |
| 33                                               | 5.452G         | 34   | 5.260G         | 35   | 5.497G         | 36   | 5.535G         |
| 37                                               | 5.586G         | 38   | 5.577G         | 39   | 5.658G         | 40   | 5.470G         |
| 41                                               | 5.424G         | 42   | 5.264G         | 43   | 5.680G         | 44   | 5.347G         |
| 45                                               | 5.619G         | 46   | 5.500G         | 47   | 5.266G         | 48   | 5.411G         |
| 49                                               | 5.272G         | 50   | 5.353G         | 51   | 5.661G         | 52   | 5.317G         |
| 53                                               | 5.696G         | 54   | 5.576G         | 55   | 5.391G         | 56   | 5.376G         |
| 57                                               | 5.442G         | 58   | 5.432G         | 59   | 5.305G         | 60   | 5.461G         |
| 61                                               | 5.398G         | 62   | 5.394G         | 63   | 5.368G         | 64   | 5.283G         |
| 65                                               | 5.624G         | 66   | 5.414G         | 67   | 5.483G         | 68   | 5.458G         |
| 69                                               | 5.329G         | 70   | 5.634G         | 71   | 5.578G         | 72   | 5.718G         |
| 73                                               | 5.387G         | 74   | 5.596G         | 75   | 5.650G         | 76   | 5.517G         |
| 77                                               | 5.690G         | 78   | 5.453G         | 79   | 5.613G         | 80   | 5.653G         |
| 81                                               | 5.628G         | 82   | 5.451G         | 83   | 5.478G         | 84   | 5.356G         |
| 85                                               | 5.441G         | 86   | 5.381G         | 87   | 5.552G         | 88   | 5.395G         |
| 89                                               | 5.341G         | 90   | 5.496G         | 91   | 5.455G         | 92   | 5.469G         |
| 93                                               | 5.573G         | 94   | 5.365G         | 95   | 5.642G         | 96   | 5.505G         |
| 97                                               | 5.309G         | 98   | 5.397G         | 99   | 5.568G         | 100  | 5.639G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.375G         | 2    | 5.264G         | 3    | 5.273G         | 4    | 5.293G         |
| 5                                                | 5.612G         | 6    | 5.436G         | 7    | 5.695G         | 8    | 5.549G         |
| 9                                                | 5.422G         | 10   | 5.631G         | 11   | 5.262G         | 12   | 5.490G         |
| 13                                               | 5.589G         | 14   | 5.506G         | 15   | 5.326G         | 16   | 5.282G         |
| 17                                               | 5.657G         | 18   | 5.497G         | 19   | 5.509G         | 20   | 5.660G         |
| 21                                               | 5.474G         | 22   | 5.629G         | 23   | 5.272G         | 24   | 5.314G         |
| 25                                               | 5.433G         | 26   | 5.560G         | 27   | 5.399G         | 28   | 5.357G         |
| 29                                               | 5.668G         | 30   | 5.484G         | 31   | 5.408G         | 32   | 5.325G         |
| 33                                               | 5.434G         | 34   | 5.356G         | 35   | 5.563G         | 36   | 5.285G         |
| 37                                               | 5.401G         | 38   | 5.426G         | 39   | 5.393G         | 40   | 5.621G         |
| 41                                               | 5.277G         | 42   | 5.567G         | 43   | 5.593G         | 44   | 5.559G         |
| 45                                               | 5.496G         | 46   | 5.675G         | 47   | 5.419G         | 48   | 5.319G         |
| 49                                               | 5.690G         | 50   | 5.694G         | 51   | 5.373G         | 52   | 5.661G         |
| 53                                               | 5.367G         | 54   | 5.522G         | 55   | 5.674G         | 56   | 5.265G         |
| 57                                               | 5.300G         | 58   | 5.468G         | 59   | 5.596G         | 60   | 5.324G         |
| 61                                               | 5.528G         | 62   | 5.526G         | 63   | 5.537G         | 64   | 5.669G         |
| 65                                               | 5.599G         | 66   | 5.358G         | 67   | 5.303G         | 68   | 5.648G         |
| 69                                               | 5.378G         | 70   | 5.478G         | 71   | 5.469G         | 72   | 5.407G         |
| 73                                               | 5.513G         | 74   | 5.263G         | 75   | 5.586G         | 76   | 5.360G         |
| 77                                               | 5.571G         | 78   | 5.604G         | 79   | 5.446G         | 80   | 5.479G         |
| 81                                               | 5.482G         | 82   | 5.366G         | 83   | 5.394G         | 84   | 5.693G         |
| 85                                               | 5.288G         | 86   | 5.512G         | 87   | 5.551G         | 88   | 5.585G         |
| 89                                               | 5.723G         | 90   | 5.705G         | 91   | 5.412G         | 92   | 5.711G         |
| 93                                               | 5.345G         | 94   | 5.486G         | 95   | 5.678G         | 96   | 5.361G         |
| 97                                               | 5.390G         | 98   | 5.352G         | 99   | 5.649G         | 100  | 5.647G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.507G         | 2    | 5.709G         | 3    | 5.352G         | 4    | 5.516G         |
| 5                                                | 5.503G         | 6    | 5.594G         | 7    | 5.415G         | 8    | 5.255G         |
| 9                                                | 5.475G         | 10   | 5.275G         | 11   | 5.657G         | 12   | 5.344G         |
| 13                                               | 5.534G         | 14   | 5.406G         | 15   | 5.612G         | 16   | 5.671G         |
| 17                                               | 5.389G         | 18   | 5.314G         | 19   | 5.323G         | 20   | 5.544G         |
| 21                                               | 5.277G         | 22   | 5.302G         | 23   | 5.545G         | 24   | 5.577G         |
| 25                                               | 5.388G         | 26   | 5.258G         | 27   | 5.386G         | 28   | 5.434G         |
| 29                                               | 5.312G         | 30   | 5.595G         | 31   | 5.689G         | 32   | 5.420G         |
| 33                                               | 5.287G         | 34   | 5.408G         | 35   | 5.464G         | 36   | 5.511G         |
| 37                                               | 5.443G         | 38   | 5.427G         | 39   | 5.416G         | 40   | 5.365G         |
| 41                                               | 5.500G         | 42   | 5.587G         | 43   | 5.457G         | 44   | 5.395G         |
| 45                                               | 5.621G         | 46   | 5.588G         | 47   | 5.442G         | 48   | 5.411G         |
| 49                                               | 5.390G         | 50   | 5.539G         | 51   | 5.425G         | 52   | 5.521G         |
| 53                                               | 5.722G         | 54   | 5.696G         | 55   | 5.413G         | 56   | 5.529G         |
| 57                                               | 5.355G         | 58   | 5.656G         | 59   | 5.704G         | 60   | 5.316G         |
| 61                                               | 5.480G         | 62   | 5.581G         | 63   | 5.632G         | 64   | 5.676G         |
| 65                                               | 5.482G         | 66   | 5.432G         | 67   | 5.259G         | 68   | 5.438G         |
| 69                                               | 5.694G         | 70   | 5.580G         | 71   | 5.536G         | 72   | 5.663G         |
| 73                                               | 5.495G         | 74   | 5.674G         | 75   | 5.347G         | 76   | 5.400G         |
| 77                                               | 5.465G         | 78   | 5.330G         | 79   | 5.589G         | 80   | 5.519G         |
| 81                                               | 5.699G         | 82   | 5.645G         | 83   | 5.380G         | 84   | 5.672G         |
| 85                                               | 5.635G         | 86   | 5.548G         | 87   | 5.563G         | 88   | 5.710G         |
| 89                                               | 5.348G         | 90   | 5.629G         | 91   | 5.641G         | 92   | 5.509G         |
| 93                                               | 5.317G         | 94   | 5.384G         | 95   | 5.562G         | 96   | 5.666G         |
| 97                                               | 5.332G         | 98   | 5.456G         | 99   | 5.262G         | 100  | 5.701G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.332G         | 2    | 5.253G         | 3    | 5.256G         | 4    | 5.368G         |
| 5                                                | 5.366G         | 6    | 5.427G         | 7    | 5.495G         | 8    | 5.322G         |
| 9                                                | 5.496G         | 10   | 5.474G         | 11   | 5.448G         | 12   | 5.678G         |
| 13                                               | 5.410G         | 14   | 5.687G         | 15   | 5.686G         | 16   | 5.533G         |
| 17                                               | 5.269G         | 18   | 5.385G         | 19   | 5.429G         | 20   | 5.261G         |
| 21                                               | 5.585G         | 22   | 5.509G         | 23   | 5.255G         | 24   | 5.478G         |
| 25                                               | 5.360G         | 26   | 5.339G         | 27   | 5.335G         | 28   | 5.512G         |
| 29                                               | 5.604G         | 30   | 5.462G         | 31   | 5.479G         | 32   | 5.562G         |
| 33                                               | 5.693G         | 34   | 5.337G         | 35   | 5.671G         | 36   | 5.260G         |
| 37                                               | 5.382G         | 38   | 5.556G         | 39   | 5.523G         | 40   | 5.292G         |
| 41                                               | 5.273G         | 42   | 5.313G         | 43   | 5.586G         | 44   | 5.668G         |
| 45                                               | 5.317G         | 46   | 5.324G         | 47   | 5.505G         | 48   | 5.486G         |
| 49                                               | 5.358G         | 50   | 5.493G         | 51   | 5.456G         | 52   | 5.610G         |
| 53                                               | 5.528G         | 54   | 5.590G         | 55   | 5.506G         | 56   | 5.517G         |
| 57                                               | 5.530G         | 58   | 5.640G         | 59   | 5.318G         | 60   | 5.274G         |
| 61                                               | 5.381G         | 62   | 5.579G         | 63   | 5.667G         | 64   | 5.661G         |
| 65                                               | 5.415G         | 66   | 5.442G         | 67   | 5.621G         | 68   | 5.552G         |
| 69                                               | 5.455G         | 70   | 5.300G         | 71   | 5.441G         | 72   | 5.491G         |
| 73                                               | 5.722G         | 74   | 5.305G         | 75   | 5.331G         | 76   | 5.365G         |
| 77                                               | 5.390G         | 78   | 5.637G         | 79   | 5.266G         | 80   | 5.591G         |
| 81                                               | 5.563G         | 82   | 5.607G         | 83   | 5.461G         | 84   | 5.262G         |
| 85                                               | 5.605G         | 86   | 5.617G         | 87   | 5.403G         | 88   | 5.600G         |
| 89                                               | 5.492G         | 90   | 5.294G         | 91   | 5.706G         | 92   | 5.507G         |
| 93                                               | 5.284G         | 94   | 5.298G         | 95   | 5.564G         | 96   | 5.650G         |
| 97                                               | 5.537G         | 98   | 5.611G         | 99   | 5.645G         | 100  | 5.413G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.469G         | 2    | 5.426G         | 3    | 5.347G         | 4    | 5.449G         |
| 5                                                | 5.330G         | 6    | 5.537G         | 7    | 5.391G         | 8    | 5.687G         |
| 9                                                | 5.666G         | 10   | 5.332G         | 11   | 5.651G         | 12   | 5.341G         |
| 13                                               | 5.352G         | 14   | 5.457G         | 15   | 5.686G         | 16   | 5.531G         |
| 17                                               | 5.693G         | 18   | 5.631G         | 19   | 5.269G         | 20   | 5.525G         |
| 21                                               | 5.702G         | 22   | 5.403G         | 23   | 5.536G         | 24   | 5.363G         |
| 25                                               | 5.516G         | 26   | 5.538G         | 27   | 5.490G         | 28   | 5.511G         |
| 29                                               | 5.724G         | 30   | 5.704G         | 31   | 5.442G         | 32   | 5.441G         |
| 33                                               | 5.411G         | 34   | 5.717G         | 35   | 5.571G         | 36   | 5.647G         |
| 37                                               | 5.649G         | 38   | 5.606G         | 39   | 5.319G         | 40   | 5.448G         |
| 41                                               | 5.504G         | 42   | 5.472G         | 43   | 5.609G         | 44   | 5.438G         |
| 45                                               | 5.545G         | 46   | 5.480G         | 47   | 5.256G         | 48   | 5.679G         |
| 49                                               | 5.382G         | 50   | 5.284G         | 51   | 5.543G         | 52   | 5.424G         |
| 53                                               | 5.317G         | 54   | 5.520G         | 55   | 5.604G         | 56   | 5.397G         |
| 57                                               | 5.505G         | 58   | 5.463G         | 59   | 5.685G         | 60   | 5.602G         |
| 61                                               | 5.270G         | 62   | 5.618G         | 63   | 5.662G         | 64   | 5.273G         |
| 65                                               | 5.707G         | 66   | 5.664G         | 67   | 5.552G         | 68   | 5.294G         |
| 69                                               | 5.320G         | 70   | 5.464G         | 71   | 5.641G         | 72   | 5.476G         |
| 73                                               | 5.661G         | 74   | 5.566G         | 75   | 5.299G         | 76   | 5.584G         |
| 77                                               | 5.619G         | 78   | 5.420G         | 79   | 5.488G         | 80   | 5.593G         |
| 81                                               | 5.654G         | 82   | 5.714G         | 83   | 5.287G         | 84   | 5.657G         |
| 85                                               | 5.337G         | 86   | 5.644G         | 87   | 5.648G         | 88   | 5.659G         |
| 89                                               | 5.251G         | 90   | 5.265G         | 91   | 5.279G         | 92   | 5.359G         |
| 93                                               | 5.460G         | 94   | 5.413G         | 95   | 5.308G         | 96   | 5.544G         |
| 97                                               | 5.640G         | 98   | 5.394G         | 99   | 5.348G         | 100  | 5.613G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.421G         | 2    | 5.498G         | 3    | 5.713G         | 4    | 5.660G         |
| 5                                                | 5.583G         | 6    | 5.662G         | 7    | 5.657G         | 8    | 5.641G         |
| 9                                                | 5.268G         | 10   | 5.654G         | 11   | 5.517G         | 12   | 5.259G         |
| 13                                               | 5.485G         | 14   | 5.419G         | 15   | 5.276G         | 16   | 5.649G         |
| 17                                               | 5.467G         | 18   | 5.646G         | 19   | 5.359G         | 20   | 5.642G         |
| 21                                               | 5.659G         | 22   | 5.620G         | 23   | 5.345G         | 24   | 5.257G         |
| 25                                               | 5.288G         | 26   | 5.478G         | 27   | 5.637G         | 28   | 5.252G         |
| 29                                               | 5.489G         | 30   | 5.274G         | 31   | 5.703G         | 32   | 5.534G         |
| 33                                               | 5.376G         | 34   | 5.719G         | 35   | 5.682G         | 36   | 5.413G         |
| 37                                               | 5.614G         | 38   | 5.448G         | 39   | 5.256G         | 40   | 5.365G         |
| 41                                               | 5.587G         | 42   | 5.350G         | 43   | 5.605G         | 44   | 5.447G         |
| 45                                               | 5.328G         | 46   | 5.710G         | 47   | 5.330G         | 48   | 5.679G         |
| 49                                               | 5.557G         | 50   | 5.674G         | 51   | 5.437G         | 52   | 5.668G         |
| 53                                               | 5.714G         | 54   | 5.353G         | 55   | 5.488G         | 56   | 5.427G         |
| 57                                               | 5.577G         | 58   | 5.482G         | 59   | 5.700G         | 60   | 5.626G         |
| 61                                               | 5.307G         | 62   | 5.464G         | 63   | 5.423G         | 64   | 5.336G         |
| 65                                               | 5.617G         | 66   | 5.608G         | 67   | 5.562G         | 68   | 5.443G         |
| 69                                               | 5.446G         | 70   | 5.561G         | 71   | 5.493G         | 72   | 5.560G         |
| 73                                               | 5.304G         | 74   | 5.354G         | 75   | 5.495G         | 76   | 5.680G         |
| 77                                               | 5.397G         | 78   | 5.344G         | 79   | 5.426G         | 80   | 5.425G         |
| 81                                               | 5.599G         | 82   | 5.567G         | 83   | 5.510G         | 84   | 5.555G         |
| 85                                               | 5.625G         | 86   | 5.324G         | 87   | 5.707G         | 88   | 5.262G         |
| 89                                               | 5.501G         | 90   | 5.651G         | 91   | 5.292G         | 92   | 5.424G         |
| 93                                               | 5.573G         | 94   | 5.411G         | 95   | 5.597G         | 96   | 5.691G         |
| 97                                               | 5.435G         | 98   | 5.459G         | 99   | 5.282G         | 100  | 5.600G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.471G         | 2    | 5.678G         | 3    | 5.410G         | 4    | 5.537G         |
| 5                                                | 5.446G         | 6    | 5.666G         | 7    | 5.563G         | 8    | 5.355G         |
| 9                                                | 5.484G         | 10   | 5.489G         | 11   | 5.556G         | 12   | 5.596G         |
| 13                                               | 5.454G         | 14   | 5.682G         | 15   | 5.554G         | 16   | 5.595G         |
| 17                                               | 5.270G         | 18   | 5.610G         | 19   | 5.586G         | 20   | 5.549G         |
| 21                                               | 5.264G         | 22   | 5.415G         | 23   | 5.266G         | 24   | 5.339G         |
| 25                                               | 5.662G         | 26   | 5.697G         | 27   | 5.379G         | 28   | 5.392G         |
| 29                                               | 5.301G         | 30   | 5.334G         | 31   | 5.573G         | 32   | 5.643G         |
| 33                                               | 5.253G         | 34   | 5.439G         | 35   | 5.300G         | 36   | 5.519G         |
| 37                                               | 5.267G         | 38   | 5.689G         | 39   | 5.539G         | 40   | 5.455G         |
| 41                                               | 5.468G         | 42   | 5.613G         | 43   | 5.496G         | 44   | 5.665G         |
| 45                                               | 5.381G         | 46   | 5.250G         | 47   | 5.298G         | 48   | 5.272G         |
| 49                                               | 5.592G         | 50   | 5.360G         | 51   | 5.532G         | 52   | 5.324G         |
| 53                                               | 5.710G         | 54   | 5.409G         | 55   | 5.517G         | 56   | 5.467G         |
| 57                                               | 5.647G         | 58   | 5.668G         | 59   | 5.309G         | 60   | 5.548G         |
| 61                                               | 5.317G         | 62   | 5.428G         | 63   | 5.597G         | 64   | 5.314G         |
| 65                                               | 5.481G         | 66   | 5.308G         | 67   | 5.584G         | 68   | 5.622G         |
| 69                                               | 5.358G         | 70   | 5.466G         | 71   | 5.616G         | 72   | 5.295G         |
| 73                                               | 5.364G         | 74   | 5.261G         | 75   | 5.655G         | 76   | 5.660G         |
| 77                                               | 5.457G         | 78   | 5.672G         | 79   | 5.565G         | 80   | 5.652G         |
| 81                                               | 5.260G         | 82   | 5.683G         | 83   | 5.343G         | 84   | 5.401G         |
| 85                                               | 5.325G         | 86   | 5.686G         | 87   | 5.353G         | 88   | 5.315G         |
| 89                                               | 5.373G         | 90   | 5.402G         | 91   | 5.352G         | 92   | 5.599G         |
| 93                                               | 5.626G         | 94   | 5.702G         | 95   | 5.258G         | 96   | 5.460G         |
| 97                                               | 5.724G         | 98   | 5.670G         | 99   | 5.444G         | 100  | 5.388G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.550G         | 2    | 5.672G         | 3    | 5.305G         | 4    | 5.508G         |
| 5                                                | 5.713G         | 6    | 5.500G         | 7    | 5.312G         | 8    | 5.704G         |
| 9                                                | 5.291G         | 10   | 5.288G         | 11   | 5.664G         | 12   | 5.468G         |
| 13                                               | 5.405G         | 14   | 5.558G         | 15   | 5.313G         | 16   | 5.308G         |
| 17                                               | 5.390G         | 18   | 5.685G         | 19   | 5.526G         | 20   | 5.394G         |
| 21                                               | 5.616G         | 22   | 5.333G         | 23   | 5.419G         | 24   | 5.461G         |
| 25                                               | 5.417G         | 26   | 5.393G         | 27   | 5.427G         | 28   | 5.650G         |
| 29                                               | 5.376G         | 30   | 5.351G         | 31   | 5.656G         | 32   | 5.494G         |
| 33                                               | 5.700G         | 34   | 5.365G         | 35   | 5.624G         | 36   | 5.551G         |
| 37                                               | 5.259G         | 38   | 5.657G         | 39   | 5.470G         | 40   | 5.666G         |
| 41                                               | 5.250G         | 42   | 5.501G         | 43   | 5.681G         | 44   | 5.496G         |
| 45                                               | 5.370G         | 46   | 5.689G         | 47   | 5.535G         | 48   | 5.271G         |
| 49                                               | 5.444G         | 50   | 5.696G         | 51   | 5.337G         | 52   | 5.621G         |
| 53                                               | 5.265G         | 54   | 5.399G         | 55   | 5.609G         | 56   | 5.722G         |
| 57                                               | 5.401G         | 58   | 5.667G         | 59   | 5.473G         | 60   | 5.511G         |
| 61                                               | 5.350G         | 62   | 5.614G         | 63   | 5.516G         | 64   | 5.409G         |
| 65                                               | 5.260G         | 66   | 5.709G         | 67   | 5.677G         | 68   | 5.590G         |
| 69                                               | 5.671G         | 70   | 5.418G         | 71   | 5.297G         | 72   | 5.623G         |
| 73                                               | 5.539G         | 74   | 5.371G         | 75   | 5.280G         | 76   | 5.422G         |
| 77                                               | 5.607G         | 78   | 5.407G         | 79   | 5.533G         | 80   | 5.316G         |
| 81                                               | 5.301G         | 82   | 5.640G         | 83   | 5.610G         | 84   | 5.454G         |
| 85                                               | 5.413G         | 86   | 5.512G         | 87   | 5.577G         | 88   | 5.557G         |
| 89                                               | 5.471G         | 90   | 5.622G         | 91   | 5.439G         | 92   | 5.361G         |
| 93                                               | 5.582G         | 94   | 5.360G         | 95   | 5.440G         | 96   | 5.537G         |
| 97                                               | 5.406G         | 98   | 5.585G         | 99   | 5.342G         | 100  | 5.462G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.664G         | 2    | 5.377G         | 3    | 5.595G         | 4    | 5.701G         |
| 5                                                | 5.596G         | 6    | 5.490G         | 7    | 5.573G         | 8    | 5.706G         |
| 9                                                | 5.594G         | 10   | 5.393G         | 11   | 5.581G         | 12   | 5.592G         |
| 13                                               | 5.403G         | 14   | 5.547G         | 15   | 5.428G         | 16   | 5.314G         |
| 17                                               | 5.643G         | 18   | 5.585G         | 19   | 5.444G         | 20   | 5.405G         |
| 21                                               | 5.279G         | 22   | 5.294G         | 23   | 5.477G         | 24   | 5.277G         |
| 25                                               | 5.543G         | 26   | 5.338G         | 27   | 5.720G         | 28   | 5.613G         |
| 29                                               | 5.323G         | 30   | 5.541G         | 31   | 5.496G         | 32   | 5.270G         |
| 33                                               | 5.499G         | 34   | 5.410G         | 35   | 5.530G         | 36   | 5.339G         |
| 37                                               | 5.452G         | 38   | 5.287G         | 39   | 5.423G         | 40   | 5.375G         |
| 41                                               | 5.328G         | 42   | 5.644G         | 43   | 5.620G         | 44   | 5.333G         |
| 45                                               | 5.635G         | 46   | 5.566G         | 47   | 5.645G         | 48   | 5.497G         |
| 49                                               | 5.325G         | 50   | 5.417G         | 51   | 5.523G         | 52   | 5.562G         |
| 53                                               | 5.605G         | 54   | 5.495G         | 55   | 5.271G         | 56   | 5.693G         |
| 57                                               | 5.442G         | 58   | 5.524G         | 59   | 5.637G         | 60   | 5.407G         |
| 61                                               | 5.421G         | 62   | 5.342G         | 63   | 5.435G         | 64   | 5.590G         |
| 65                                               | 5.636G         | 66   | 5.711G         | 67   | 5.468G         | 68   | 5.288G         |
| 69                                               | 5.488G         | 70   | 5.719G         | 71   | 5.699G         | 72   | 5.400G         |
| 73                                               | 5.343G         | 74   | 5.589G         | 75   | 5.379G         | 76   | 5.408G         |
| 77                                               | 5.406G         | 78   | 5.712G         | 79   | 5.370G         | 80   | 5.268G         |
| 81                                               | 5.299G         | 82   | 5.576G         | 83   | 5.619G         | 84   | 5.332G         |
| 85                                               | 5.361G         | 86   | 5.465G         | 87   | 5.517G         | 88   | 5.485G         |
| 89                                               | 5.724G         | 90   | 5.557G         | 91   | 5.297G         | 92   | 5.586G         |
| 93                                               | 5.321G         | 94   | 5.368G         | 95   | 5.683G         | 96   | 5.526G         |
| 97                                               | 5.649G         | 98   | 5.587G         | 99   | 5.582G         | 100  | 5.681G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.265G         | 2    | 5.645G         | 3    | 5.335G         | 4    | 5.680G         |
| 5                                                | 5.551G         | 6    | 5.661G         | 7    | 5.669G         | 8    | 5.387G         |
| 9                                                | 5.352G         | 10   | 5.635G         | 11   | 5.451G         | 12   | 5.534G         |
| 13                                               | 5.511G         | 14   | 5.708G         | 15   | 5.721G         | 16   | 5.644G         |
| 17                                               | 5.524G         | 18   | 5.634G         | 19   | 5.453G         | 20   | 5.698G         |
| 21                                               | 5.631G         | 22   | 5.445G         | 23   | 5.279G         | 24   | 5.582G         |
| 25                                               | 5.488G         | 26   | 5.687G         | 27   | 5.292G         | 28   | 5.673G         |
| 29                                               | 5.361G         | 30   | 5.256G         | 31   | 5.471G         | 32   | 5.523G         |
| 33                                               | 5.464G         | 34   | 5.330G         | 35   | 5.555G         | 36   | 5.499G         |
| 37                                               | 5.700G         | 38   | 5.613G         | 39   | 5.695G         | 40   | 5.672G         |
| 41                                               | 5.591G         | 42   | 5.399G         | 43   | 5.432G         | 44   | 5.664G         |
| 45                                               | 5.578G         | 46   | 5.571G         | 47   | 5.478G         | 48   | 5.463G         |
| 49                                               | 5.431G         | 50   | 5.516G         | 51   | 5.371G         | 52   | 5.652G         |
| 53                                               | 5.709G         | 54   | 5.692G         | 55   | 5.421G         | 56   | 5.480G         |
| 57                                               | 5.425G         | 58   | 5.293G         | 59   | 5.285G         | 60   | 5.693G         |
| 61                                               | 5.666G         | 62   | 5.609G         | 63   | 5.377G         | 64   | 5.338G         |
| 65                                               | 5.597G         | 66   | 5.430G         | 67   | 5.568G         | 68   | 5.489G         |
| 69                                               | 5.495G         | 70   | 5.479G         | 71   | 5.304G         | 72   | 5.527G         |
| 73                                               | 5.473G         | 74   | 5.397G         | 75   | 5.643G         | 76   | 5.626G         |
| 77                                               | 5.411G         | 78   | 5.702G         | 79   | 5.409G         | 80   | 5.512G         |
| 81                                               | 5.599G         | 82   | 5.497G         | 83   | 5.393G         | 84   | 5.351G         |
| 85                                               | 5.706G         | 86   | 5.327G         | 87   | 5.660G         | 88   | 5.437G         |
| 89                                               | 5.322G         | 90   | 5.566G         | 91   | 5.553G         | 92   | 5.501G         |
| 93                                               | 5.315G         | 94   | 5.590G         | 95   | 5.385G         | 96   | 5.650G         |
| 97                                               | 5.614G         | 98   | 5.705G         | 99   | 5.276G         | 100  | 5.469G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.609G         | 2    | 5.255G         | 3    | 5.447G         | 4    | 5.276G         |
| 5                                                | 5.345G         | 6    | 5.385G         | 7    | 5.526G         | 8    | 5.623G         |
| 9                                                | 5.601G         | 10   | 5.535G         | 11   | 5.657G         | 12   | 5.300G         |
| 13                                               | 5.306G         | 14   | 5.708G         | 15   | 5.495G         | 16   | 5.422G         |
| 17                                               | 5.658G         | 18   | 5.379G         | 19   | 5.692G         | 20   | 5.502G         |
| 21                                               | 5.253G         | 22   | 5.498G         | 23   | 5.380G         | 24   | 5.670G         |
| 25                                               | 5.460G         | 26   | 5.514G         | 27   | 5.545G         | 28   | 5.319G         |
| 29                                               | 5.252G         | 30   | 5.457G         | 31   | 5.478G         | 32   | 5.707G         |
| 33                                               | 5.722G         | 34   | 5.681G         | 35   | 5.329G         | 36   | 5.390G         |
| 37                                               | 5.367G         | 38   | 5.622G         | 39   | 5.286G         | 40   | 5.472G         |
| 41                                               | 5.435G         | 42   | 5.427G         | 43   | 5.458G         | 44   | 5.715G         |
| 45                                               | 5.537G         | 46   | 5.312G         | 47   | 5.671G         | 48   | 5.521G         |
| 49                                               | 5.322G         | 50   | 5.655G         | 51   | 5.308G         | 52   | 5.484G         |
| 53                                               | 5.361G         | 54   | 5.304G         | 55   | 5.259G         | 56   | 5.418G         |
| 57                                               | 5.360G         | 58   | 5.724G         | 59   | 5.594G         | 60   | 5.420G         |
| 61                                               | 5.549G         | 62   | 5.454G         | 63   | 5.314G         | 64   | 5.569G         |
| 65                                               | 5.467G         | 66   | 5.450G         | 67   | 5.519G         | 68   | 5.444G         |
| 69                                               | 5.268G         | 70   | 5.663G         | 71   | 5.709G         | 72   | 5.610G         |
| 73                                               | 5.621G         | 74   | 5.647G         | 75   | 5.648G         | 76   | 5.557G         |
| 77                                               | 5.529G         | 78   | 5.483G         | 79   | 5.589G         | 80   | 5.377G         |
| 81                                               | 5.338G         | 82   | 5.698G         | 83   | 5.433G         | 84   | 5.446G         |
| 85                                               | 5.618G         | 86   | 5.597G         | 87   | 5.393G         | 88   | 5.554G         |
| 89                                               | 5.477G         | 90   | 5.403G         | 91   | 5.280G         | 92   | 5.719G         |
| 93                                               | 5.263G         | 94   | 5.465G         | 95   | 5.305G         | 96   | 5.646G         |
| 97                                               | 5.550G         | 98   | 5.396G         | 99   | 5.637G         | 100  | 5.716G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.401G         | 2    | 5.459G         | 3    | 5.412G         | 4    | 5.639G         |
| 5                                                | 5.383G         | 6    | 5.630G         | 7    | 5.689G         | 8    | 5.673G         |
| 9                                                | 5.441G         | 10   | 5.384G         | 11   | 5.432G         | 12   | 5.451G         |
| 13                                               | 5.608G         | 14   | 5.440G         | 15   | 5.593G         | 16   | 5.398G         |
| 17                                               | 5.590G         | 18   | 5.280G         | 19   | 5.339G         | 20   | 5.257G         |
| 21                                               | 5.702G         | 22   | 5.422G         | 23   | 5.648G         | 24   | 5.683G         |
| 25                                               | 5.642G         | 26   | 5.479G         | 27   | 5.354G         | 28   | 5.718G         |
| 29                                               | 5.633G         | 30   | 5.620G         | 31   | 5.562G         | 32   | 5.334G         |
| 33                                               | 5.515G         | 34   | 5.546G         | 35   | 5.585G         | 36   | 5.486G         |
| 37                                               | 5.366G         | 38   | 5.409G         | 39   | 5.375G         | 40   | 5.392G         |
| 41                                               | 5.482G         | 42   | 5.313G         | 43   | 5.660G         | 44   | 5.279G         |
| 45                                               | 5.563G         | 46   | 5.617G         | 47   | 5.694G         | 48   | 5.307G         |
| 49                                               | 5.314G         | 50   | 5.376G         | 51   | 5.447G         | 52   | 5.697G         |
| 53                                               | 5.393G         | 54   | 5.698G         | 55   | 5.335G         | 56   | 5.358G         |
| 57                                               | 5.503G         | 58   | 5.605G         | 59   | 5.712G         | 60   | 5.413G         |
| 61                                               | 5.285G         | 62   | 5.662G         | 63   | 5.576G         | 64   | 5.429G         |
| 65                                               | 5.365G         | 66   | 5.653G         | 67   | 5.284G         | 68   | 5.687G         |
| 69                                               | 5.415G         | 70   | 5.315G         | 71   | 5.347G         | 72   | 5.722G         |
| 73                                               | 5.613G         | 74   | 5.372G         | 75   | 5.425G         | 76   | 5.504G         |
| 77                                               | 5.723G         | 78   | 5.330G         | 79   | 5.672G         | 80   | 5.473G         |
| 81                                               | 5.423G         | 82   | 5.618G         | 83   | 5.526G         | 84   | 5.452G         |
| 85                                               | 5.301G         | 86   | 5.460G         | 87   | 5.652G         | 88   | 5.592G         |
| 89                                               | 5.547G         | 90   | 5.286G         | 91   | 5.614G         | 92   | 5.603G         |
| 93                                               | 5.696G         | 94   | 5.484G         | 95   | 5.721G         | 96   | 5.343G         |
| 97                                               | 5.519G         | 98   | 5.667G         | 99   | 5.407G         | 100  | 5.489G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.338G         | 2    | 5.690G         | 3    | 5.513G         | 4    | 5.614G         |
| 5                                                | 5.452G         | 6    | 5.451G         | 7    | 5.357G         | 8    | 5.646G         |
| 9                                                | 5.375G         | 10   | 5.403G         | 11   | 5.400G         | 12   | 5.341G         |
| 13                                               | 5.469G         | 14   | 5.723G         | 15   | 5.707G         | 16   | 5.314G         |
| 17                                               | 5.708G         | 18   | 5.474G         | 19   | 5.336G         | 20   | 5.416G         |
| 21                                               | 5.427G         | 22   | 5.521G         | 23   | 5.593G         | 24   | 5.611G         |
| 25                                               | 5.598G         | 26   | 5.558G         | 27   | 5.652G         | 28   | 5.581G         |
| 29                                               | 5.383G         | 30   | 5.642G         | 31   | 5.313G         | 32   | 5.649G         |
| 33                                               | 5.722G         | 34   | 5.664G         | 35   | 5.561G         | 36   | 5.594G         |
| 37                                               | 5.266G         | 38   | 5.334G         | 39   | 5.685G         | 40   | 5.701G         |
| 41                                               | 5.437G         | 42   | 5.544G         | 43   | 5.332G         | 44   | 5.603G         |
| 45                                               | 5.465G         | 46   | 5.379G         | 47   | 5.579G         | 48   | 5.262G         |
| 49                                               | 5.250G         | 50   | 5.724G         | 51   | 5.283G         | 52   | 5.291G         |
| 53                                               | 5.587G         | 54   | 5.391G         | 55   | 5.329G         | 56   | 5.382G         |
| 57                                               | 5.372G         | 58   | 5.645G         | 59   | 5.455G         | 60   | 5.596G         |
| 61                                               | 5.422G         | 62   | 5.251G         | 63   | 5.609G         | 64   | 5.559G         |
| 65                                               | 5.497G         | 66   | 5.253G         | 67   | 5.545G         | 68   | 5.438G         |
| 69                                               | 5.488G         | 70   | 5.697G         | 71   | 5.503G         | 72   | 5.348G         |
| 73                                               | 5.583G         | 74   | 5.390G         | 75   | 5.647G         | 76   | 5.377G         |
| 77                                               | 5.535G         | 78   | 5.298G         | 79   | 5.556G         | 80   | 5.571G         |
| 81                                               | 5.644G         | 82   | 5.625G         | 83   | 5.490G         | 84   | 5.610G         |
| 85                                               | 5.592G         | 86   | 5.426G         | 87   | 5.280G         | 88   | 5.591G         |
| 89                                               | 5.305G         | 90   | 5.564G         | 91   | 5.721G         | 92   | 5.285G         |
| 93                                               | 5.526G         | 94   | 5.315G         | 95   | 5.698G         | 96   | 5.624G         |
| 97                                               | 5.258G         | 98   | 5.505G         | 99   | 5.606G         | 100  | 5.516G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.337G         | 2    | 5.639G         | 3    | 5.406G         | 4    | 5.583G         |
| 5                                                | 5.403G         | 6    | 5.551G         | 7    | 5.705G         | 8    | 5.571G         |
| 9                                                | 5.488G         | 10   | 5.253G         | 11   | 5.519G         | 12   | 5.369G         |
| 13                                               | 5.575G         | 14   | 5.445G         | 15   | 5.511G         | 16   | 5.419G         |
| 17                                               | 5.619G         | 18   | 5.261G         | 19   | 5.473G         | 20   | 5.710G         |
| 21                                               | 5.580G         | 22   | 5.657G         | 23   | 5.446G         | 24   | 5.508G         |
| 25                                               | 5.355G         | 26   | 5.634G         | 27   | 5.334G         | 28   | 5.460G         |
| 29                                               | 5.648G         | 30   | 5.546G         | 31   | 5.608G         | 32   | 5.674G         |
| 33                                               | 5.534G         | 34   | 5.723G         | 35   | 5.256G         | 36   | 5.629G         |
| 37                                               | 5.459G         | 38   | 5.352G         | 39   | 5.293G         | 40   | 5.517G         |
| 41                                               | 5.322G         | 42   | 5.467G         | 43   | 5.557G         | 44   | 5.672G         |
| 45                                               | 5.703G         | 46   | 5.415G         | 47   | 5.296G         | 48   | 5.547G         |
| 49                                               | 5.435G         | 50   | 5.465G         | 51   | 5.260G         | 52   | 5.282G         |
| 53                                               | 5.374G         | 54   | 5.430G         | 55   | 5.494G         | 56   | 5.640G         |
| 57                                               | 5.268G         | 58   | 5.432G         | 59   | 5.392G         | 60   | 5.307G         |
| 61                                               | 5.393G         | 62   | 5.344G         | 63   | 5.416G         | 64   | 5.285G         |
| 65                                               | 5.638G         | 66   | 5.597G         | 67   | 5.516G         | 68   | 5.690G         |
| 69                                               | 5.449G         | 70   | 5.504G         | 71   | 5.572G         | 72   | 5.669G         |
| 73                                               | 5.594G         | 74   | 5.532G         | 75   | 5.628G         | 76   | 5.673G         |
| 77                                               | 5.448G         | 78   | 5.537G         | 79   | 5.326G         | 80   | 5.266G         |
| 81                                               | 5.697G         | 82   | 5.522G         | 83   | 5.678G         | 84   | 5.655G         |
| 85                                               | 5.422G         | 86   | 5.317G         | 87   | 5.602G         | 88   | 5.264G         |
| 89                                               | 5.589G         | 90   | 5.627G         | 91   | 5.491G         | 92   | 5.701G         |
| 93                                               | 5.436G         | 94   | 5.680G         | 95   | 5.478G         | 96   | 5.558G         |
| 97                                               | 5.320G         | 98   | 5.662G         | 99   | 5.525G         | 100  | 5.434G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.518G         | 2    | 5.489G         | 3    | 5.280G         | 4    | 5.598G         |
| 5                                                | 5.417G         | 6    | 5.447G         | 7    | 5.418G         | 8    | 5.400G         |
| 9                                                | 5.674G         | 10   | 5.631G         | 11   | 5.668G         | 12   | 5.577G         |
| 13                                               | 5.654G         | 14   | 5.251G         | 15   | 5.570G         | 16   | 5.649G         |
| 17                                               | 5.318G         | 18   | 5.373G         | 19   | 5.558G         | 20   | 5.544G         |
| 21                                               | 5.331G         | 22   | 5.695G         | 23   | 5.395G         | 24   | 5.628G         |
| 25                                               | 5.551G         | 26   | 5.338G         | 27   | 5.678G         | 28   | 5.375G         |
| 29                                               | 5.448G         | 30   | 5.254G         | 31   | 5.693G         | 32   | 5.273G         |
| 33                                               | 5.501G         | 34   | 5.596G         | 35   | 5.406G         | 36   | 5.295G         |
| 37                                               | 5.253G         | 38   | 5.430G         | 39   | 5.315G         | 40   | 5.650G         |
| 41                                               | 5.565G         | 42   | 5.504G         | 43   | 5.533G         | 44   | 5.664G         |
| 45                                               | 5.547G         | 46   | 5.307G         | 47   | 5.385G         | 48   | 5.561G         |
| 49                                               | 5.521G         | 50   | 5.303G         | 51   | 5.383G         | 52   | 5.525G         |
| 53                                               | 5.300G         | 54   | 5.641G         | 55   | 5.613G         | 56   | 5.291G         |
| 57                                               | 5.614G         | 58   | 5.588G         | 59   | 5.365G         | 60   | 5.294G         |
| 61                                               | 5.600G         | 62   | 5.445G         | 63   | 5.387G         | 64   | 5.468G         |
| 65                                               | 5.405G         | 66   | 5.429G         | 67   | 5.450G         | 68   | 5.288G         |
| 69                                               | 5.462G         | 70   | 5.464G         | 71   | 5.443G         | 72   | 5.659G         |
| 73                                               | 5.344G         | 74   | 5.636G         | 75   | 5.611G         | 76   | 5.432G         |
| 77                                               | 5.341G         | 78   | 5.532G         | 79   | 5.420G         | 80   | 5.449G         |
| 81                                               | 5.284G         | 82   | 5.414G         | 83   | 5.724G         | 84   | 5.440G         |
| 85                                               | 5.556G         | 86   | 5.455G         | 87   | 5.499G         | 88   | 5.474G         |
| 89                                               | 5.481G         | 90   | 5.363G         | 91   | 5.478G         | 92   | 5.456G         |
| 93                                               | 5.264G         | 94   | 5.633G         | 95   | 5.589G         | 96   | 5.686G         |
| 97                                               | 5.538G         | 98   | 5.569G         | 99   | 5.524G         | 100  | 5.578G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.368G         | 2    | 5.583G         | 3    | 5.564G         | 4    | 5.520G         |
| 5                                                | 5.428G         | 6    | 5.366G         | 7    | 5.611G         | 8    | 5.390G         |
| 9                                                | 5.616G         | 10   | 5.556G         | 11   | 5.539G         | 12   | 5.485G         |
| 13                                               | 5.360G         | 14   | 5.302G         | 15   | 5.581G         | 16   | 5.614G         |
| 17                                               | 5.353G         | 18   | 5.358G         | 19   | 5.582G         | 20   | 5.325G         |
| 21                                               | 5.348G         | 22   | 5.292G         | 23   | 5.287G         | 24   | 5.567G         |
| 25                                               | 5.615G         | 26   | 5.346G         | 27   | 5.531G         | 28   | 5.263G         |
| 29                                               | 5.272G         | 30   | 5.282G         | 31   | 5.657G         | 32   | 5.554G         |
| 33                                               | 5.618G         | 34   | 5.580G         | 35   | 5.525G         | 36   | 5.291G         |
| 37                                               | 5.715G         | 38   | 5.343G         | 39   | 5.534G         | 40   | 5.312G         |
| 41                                               | 5.275G         | 42   | 5.270G         | 43   | 5.718G         | 44   | 5.696G         |
| 45                                               | 5.671G         | 46   | 5.307G         | 47   | 5.332G         | 48   | 5.721G         |
| 49                                               | 5.462G         | 50   | 5.714G         | 51   | 5.451G         | 52   | 5.679G         |
| 53                                               | 5.422G         | 54   | 5.317G         | 55   | 5.640G         | 56   | 5.695G         |
| 57                                               | 5.722G         | 58   | 5.598G         | 59   | 5.607G         | 60   | 5.648G         |
| 61                                               | 5.547G         | 62   | 5.396G         | 63   | 5.523G         | 64   | 5.659G         |
| 65                                               | 5.624G         | 66   | 5.584G         | 67   | 5.660G         | 68   | 5.452G         |
| 69                                               | 5.550G         | 70   | 5.440G         | 71   | 5.683G         | 72   | 5.382G         |
| 73                                               | 5.562G         | 74   | 5.578G         | 75   | 5.513G         | 76   | 5.393G         |
| 77                                               | 5.379G         | 78   | 5.409G         | 79   | 5.362G         | 80   | 5.297G         |
| 81                                               | 5.597G         | 82   | 5.337G         | 83   | 5.711G         | 84   | 5.460G         |
| 85                                               | 5.576G         | 86   | 5.605G         | 87   | 5.645G         | 88   | 5.591G         |
| 89                                               | 5.667G         | 90   | 5.398G         | 91   | 5.456G         | 92   | 5.380G         |
| 93                                               | 5.710G         | 94   | 5.636G         | 95   | 5.315G         | 96   | 5.277G         |
| 97                                               | 5.441G         | 98   | 5.676G         | 99   | 5.593G         | 100  | 5.394G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.336G         | 2    | 5.506G         | 3    | 5.514G         | 4    | 5.286G         |
| 5                                                | 5.715G         | 6    | 5.452G         | 7    | 5.408G         | 8    | 5.722G         |
| 9                                                | 5.332G         | 10   | 5.606G         | 11   | 5.608G         | 12   | 5.630G         |
| 13                                               | 5.676G         | 14   | 5.547G         | 15   | 5.568G         | 16   | 5.436G         |
| 17                                               | 5.503G         | 18   | 5.344G         | 19   | 5.723G         | 20   | 5.331G         |
| 21                                               | 5.637G         | 22   | 5.454G         | 23   | 5.589G         | 24   | 5.517G         |
| 25                                               | 5.586G         | 26   | 5.474G         | 27   | 5.267G         | 28   | 5.686G         |
| 29                                               | 5.333G         | 30   | 5.540G         | 31   | 5.585G         | 32   | 5.678G         |
| 33                                               | 5.482G         | 34   | 5.549G         | 35   | 5.473G         | 36   | 5.695G         |
| 37                                               | 5.412G         | 38   | 5.600G         | 39   | 5.620G         | 40   | 5.272G         |
| 41                                               | 5.499G         | 42   | 5.424G         | 43   | 5.366G         | 44   | 5.594G         |
| 45                                               | 5.526G         | 46   | 5.625G         | 47   | 5.632G         | 48   | 5.572G         |
| 49                                               | 5.260G         | 50   | 5.463G         | 51   | 5.679G         | 52   | 5.444G         |
| 53                                               | 5.716G         | 54   | 5.388G         | 55   | 5.587G         | 56   | 5.592G         |
| 57                                               | 5.399G         | 58   | 5.327G         | 59   | 5.607G         | 60   | 5.529G         |
| 61                                               | 5.455G         | 62   | 5.554G         | 63   | 5.688G         | 64   | 5.534G         |
| 65                                               | 5.250G         | 66   | 5.295G         | 67   | 5.541G         | 68   | 5.402G         |
| 69                                               | 5.551G         | 70   | 5.595G         | 71   | 5.459G         | 72   | 5.516G         |
| 73                                               | 5.467G         | 74   | 5.544G         | 75   | 5.358G         | 76   | 5.393G         |
| 77                                               | 5.490G         | 78   | 5.656G         | 79   | 5.493G         | 80   | 5.639G         |
| 81                                               | 5.410G         | 82   | 5.494G         | 83   | 5.346G         | 84   | 5.304G         |
| 85                                               | 5.357G         | 86   | 5.616G         | 87   | 5.339G         | 88   | 5.316G         |
| 89                                               | 5.318G         | 90   | 5.510G         | 91   | 5.405G         | 92   | 5.697G         |
| 93                                               | 5.483G         | 94   | 5.535G         | 95   | 5.672G         | 96   | 5.645G         |
| 97                                               | 5.558G         | 98   | 5.284G         | 99   | 5.460G         | 100  | 5.519G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.666G         | 2    | 5.685G         | 3    | 5.395G         | 4    | 5.370G         |
| 5                                                | 5.611G         | 6    | 5.291G         | 7    | 5.687G         | 8    | 5.327G         |
| 9                                                | 5.307G         | 10   | 5.486G         | 11   | 5.389G         | 12   | 5.604G         |
| 13                                               | 5.319G         | 14   | 5.463G         | 15   | 5.445G         | 16   | 5.357G         |
| 17                                               | 5.415G         | 18   | 5.721G         | 19   | 5.587G         | 20   | 5.585G         |
| 21                                               | 5.558G         | 22   | 5.574G         | 23   | 5.675G         | 24   | 5.566G         |
| 25                                               | 5.679G         | 26   | 5.570G         | 27   | 5.488G         | 28   | 5.640G         |
| 29                                               | 5.406G         | 30   | 5.617G         | 31   | 5.386G         | 32   | 5.592G         |
| 33                                               | 5.382G         | 34   | 5.448G         | 35   | 5.479G         | 36   | 5.461G         |
| 37                                               | 5.273G         | 38   | 5.671G         | 39   | 5.458G         | 40   | 5.432G         |
| 41                                               | 5.544G         | 42   | 5.271G         | 43   | 5.628G         | 44   | 5.343G         |
| 45                                               | 5.689G         | 46   | 5.709G         | 47   | 5.691G         | 48   | 5.529G         |
| 49                                               | 5.540G         | 50   | 5.633G         | 51   | 5.623G         | 52   | 5.667G         |
| 53                                               | 5.536G         | 54   | 5.277G         | 55   | 5.577G         | 56   | 5.625G         |
| 57                                               | 5.454G         | 58   | 5.595G         | 59   | 5.660G         | 60   | 5.564G         |
| 61                                               | 5.673G         | 62   | 5.362G         | 63   | 5.692G         | 64   | 5.252G         |
| 65                                               | 5.680G         | 66   | 5.304G         | 67   | 5.459G         | 68   | 5.436G         |
| 69                                               | 5.314G         | 70   | 5.723G         | 71   | 5.423G         | 72   | 5.651G         |
| 73                                               | 5.435G         | 74   | 5.553G         | 75   | 5.562G         | 76   | 5.602G         |
| 77                                               | 5.368G         | 78   | 5.646G         | 79   | 5.441G         | 80   | 5.412G         |
| 81                                               | 5.718G         | 82   | 5.552G         | 83   | 5.430G         | 84   | 5.607G         |
| 85                                               | 5.404G         | 86   | 5.393G         | 87   | 5.420G         | 88   | 5.672G         |
| 89                                               | 5.669G         | 90   | 5.596G         | 91   | 5.384G         | 92   | 5.428G         |
| 93                                               | 5.495G         | 94   | 5.268G         | 95   | 5.606G         | 96   | 5.551G         |
| 97                                               | 5.377G         | 98   | 5.588G         | 99   | 5.352G         | 100  | 5.477G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.458G         | 2    | 5.613G         | 3    | 5.717G         | 4    | 5.475G         |
| 5                                                | 5.607G         | 6    | 5.589G         | 7    | 5.417G         | 8    | 5.406G         |
| 9                                                | 5.298G         | 10   | 5.318G         | 11   | 5.710G         | 12   | 5.667G         |
| 13                                               | 5.351G         | 14   | 5.347G         | 15   | 5.300G         | 16   | 5.619G         |
| 17                                               | 5.309G         | 18   | 5.502G         | 19   | 5.578G         | 20   | 5.639G         |
| 21                                               | 5.573G         | 22   | 5.448G         | 23   | 5.462G         | 24   | 5.721G         |
| 25                                               | 5.389G         | 26   | 5.509G         | 27   | 5.414G         | 28   | 5.443G         |
| 29                                               | 5.262G         | 30   | 5.571G         | 31   | 5.558G         | 32   | 5.285G         |
| 33                                               | 5.529G         | 34   | 5.606G         | 35   | 5.419G         | 36   | 5.352G         |
| 37                                               | 5.566G         | 38   | 5.459G         | 39   | 5.304G         | 40   | 5.398G         |
| 41                                               | 5.339G         | 42   | 5.408G         | 43   | 5.281G         | 44   | 5.663G         |
| 45                                               | 5.690G         | 46   | 5.405G         | 47   | 5.335G         | 48   | 5.577G         |
| 49                                               | 5.491G         | 50   | 5.424G         | 51   | 5.411G         | 52   | 5.581G         |
| 53                                               | 5.715G         | 54   | 5.686G         | 55   | 5.267G         | 56   | 5.594G         |
| 57                                               | 5.277G         | 58   | 5.596G         | 59   | 5.457G         | 60   | 5.554G         |
| 61                                               | 5.388G         | 62   | 5.669G         | 63   | 5.474G         | 64   | 5.720G         |
| 65                                               | 5.453G         | 66   | 5.658G         | 67   | 5.500G         | 68   | 5.677G         |
| 69                                               | 5.358G         | 70   | 5.287G         | 71   | 5.338G         | 72   | 5.394G         |
| 73                                               | 5.609G         | 74   | 5.676G         | 75   | 5.353G         | 76   | 5.379G         |
| 77                                               | 5.616G         | 78   | 5.625G         | 79   | 5.257G         | 80   | 5.595G         |
| 81                                               | 5.588G         | 82   | 5.426G         | 83   | 5.556G         | 84   | 5.680G         |
| 85                                               | 5.373G         | 86   | 5.674G         | 87   | 5.350G         | 88   | 5.628G         |
| 89                                               | 5.423G         | 90   | 5.418G         | 91   | 5.260G         | 92   | 5.590G         |
| 93                                               | 5.392G         | 94   | 5.532G         | 95   | 5.478G         | 96   | 5.582G         |
| 97                                               | 5.562G         | 98   | 5.326G         | 99   | 5.548G         | 100  | 5.286G         |

**IEEE 802.11n HT40****Type 1 Radar Statistical Performances**

| Trial # | Pulse Repetition Frequency Number(1 to 23) | PRF(Pulse per seconds) | Pulses per Burst | PRI (μsec) | Radar Frequency (MHz) | Detection |
|---------|--------------------------------------------|------------------------|------------------|------------|-----------------------|-----------|
| 1       | 23                                         | 326.2                  | 18               | 3066       | 5513                  | Yes       |
| 2       | 9                                          | 1474.9                 | 78               | 678        | 5520                  | Yes       |
| 3       | 16                                         | 1222.5                 | 65               | 818        | 5493                  | Yes       |
| 4       | 5                                          | 1672.2                 | 89               | 598        | 5498                  | Yes       |
| 5       | 7                                          | 1567.4                 | 83               | 638        | 5507                  | Yes       |
| 6       | 15                                         | 1253.1                 | 67               | 798        | 5515                  | Yes       |
| 7       | 12                                         | 1355                   | 72               | 738        | 5514                  | Yes       |
| 8       | 20                                         | 1113.6                 | 59               | 898        | 5496                  | Yes       |
| 9       | 11                                         | 1392.8                 | 74               | 718        | 5522                  | No        |
| 10      | 3                                          | 1792.1                 | 95               | 558        | 5526                  | Yes       |
| 11      | 19                                         | 1139                   | 61               | 878        | 5501                  | Yes       |
| 12      | 17                                         | 1193.3                 | 63               | 838        | 5502                  | Yes       |
| 13      | 2                                          | 1858.7                 | 99               | 538        | 5523                  | Yes       |
| 14      | 8                                          | 1519.8                 | 81               | 658        | 5504                  | Yes       |
| 15      | 22                                         | 1066.1                 | 57               | 938        | 5511                  | Yes       |
| 16      |                                            | 1065.0                 | 57               | 939        | 5494                  | Yes       |
| 17      |                                            | 499.0                  | 27               | 2004       | 5491                  | Yes       |
| 18      |                                            | 627.7                  | 34               | 1593       | 5508                  | Yes       |
| 19      |                                            | 636.5                  | 34               | 1571       | 5528                  | No        |
| 20      |                                            | 1179.2                 | 63               | 848        | 5512                  | Yes       |
| 21      |                                            | 370.8                  | 20               | 2697       | 5529                  | Yes       |
| 22      |                                            | 590.7                  | 32               | 1693       | 5510                  | Yes       |
| 23      |                                            | 557.7                  | 30               | 1793       | 5524                  | Yes       |
| 24      |                                            | 989.1                  | 53               | 1011       | 5509                  | Yes       |
| 25      |                                            | 349.4                  | 19               | 2862       | 5495                  | Yes       |
| 26      |                                            | 997.0                  | 53               | 1003       | 5517                  | Yes       |
| 27      |                                            | 363.5                  | 20               | 2751       | 5521                  | Yes       |
| 28      |                                            | 492.9                  | 27               | 2029       | 5518                  | Yes       |
| 29      |                                            | 1326.3                 | 70               | 754        | 5519                  | Yes       |
| 30      |                                            | 803.2                  | 43               | 1245       | 5497                  | Yes       |

Detection Rate: 93.33 %

| Type 2 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 29               | 4.9                | 210        | 5495                  | Yes       |
| 2                                     | 24               | 1.7                | 178        | 5492                  | Yes       |
| 3                                     | 25               | 2.1                | 173        | 5520                  | No        |
| 4                                     | 28               | 4                  | 222        | 5508                  | Yes       |
| 5                                     | 27               | 3.6                | 219        | 5529                  | Yes       |
| 6                                     | 29               | 5                  | 212        | 5494                  | Yes       |
| 7                                     | 29               | 4.9                | 176        | 5514                  | Yes       |
| 8                                     | 23               | 1.1                | 199        | 5503                  | No        |
| 9                                     | 23               | 1.2                | 162        | 5496                  | Yes       |
| 10                                    | 29               | 4.5                | 220        | 5511                  | Yes       |
| 11                                    | 29               | 5                  | 229        | 5517                  | Yes       |
| 12                                    | 29               | 5                  | 214        | 5502                  | Yes       |
| 13                                    | 25               | 2.4                | 153        | 5512                  | Yes       |
| 14                                    | 28               | 4.1                | 197        | 5504                  | Yes       |
| 15                                    | 24               | 2                  | 211        | 5506                  | Yes       |
| 16                                    | 29               | 4.6                | 190        | 5491                  | Yes       |
| 17                                    | 23               | 1                  | 213        | 5507                  | Yes       |
| 18                                    | 25               | 2.4                | 218        | 5499                  | Yes       |
| 19                                    | 26               | 3.2                | 215        | 5493                  | Yes       |
| 20                                    | 26               | 3.1                | 157        | 5498                  | Yes       |
| 21                                    | 25               | 2.7                | 168        | 5497                  | Yes       |
| 22                                    | 25               | 2.6                | 227        | 5524                  | Yes       |
| 23                                    | 24               | 2                  | 171        | 5523                  | No        |
| 24                                    | 23               | 1.1                | 158        | 5500                  | Yes       |
| 25                                    | 23               | 1                  | 167        | 5519                  | Yes       |
| 26                                    | 29               | 4.9                | 150        | 5528                  | Yes       |
| 27                                    | 29               | 4.8                | 191        | 5501                  | Yes       |
| 28                                    | 25               | 2.3                | 159        | 5505                  | Yes       |
| 29                                    | 28               | 4.3                | 226        | 5526                  | Yes       |
| 30                                    | 26               | 3.3                | 208        | 5516                  | Yes       |
| Detection Rate: 90 %                  |                  |                    |            |                       |           |

| Type 3 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 18               | 9.9                | 235        | 5523                  | Yes       |
| 2                                     | 16               | 6.7                | 357        | 5492                  | No        |
| 3                                     | 16               | 7.1                | 333        | 5512                  | Yes       |
| 4                                     | 18               | 9                  | 242        | 5494                  | Yes       |
| 5                                     | 17               | 8.6                | 397        | 5515                  | Yes       |
| 6                                     | 18               | 10                 | 302        | 5493                  | Yes       |
| 7                                     | 18               | 9.9                | 203        | 5520                  | Yes       |
| 8                                     | 16               | 6.1                | 428        | 5501                  | No        |
| 9                                     | 16               | 6.2                | 335        | 5521                  | Yes       |
| 10                                    | 18               | 9.5                | 240        | 5510                  | Yes       |
| 11                                    | 18               | 10                 | 224        | 5505                  | Yes       |
| 12                                    | 18               | 10                 | 410        | 5506                  | Yes       |
| 13                                    | 17               | 7.4                | 359        | 5526                  | Yes       |
| 14                                    | 18               | 9.1                | 269        | 5504                  | Yes       |
| 15                                    | 16               | 7                  | 250        | 5518                  | Yes       |
| 16                                    | 18               | 9.6                | 247        | 5522                  | Yes       |
| 17                                    | 16               | 6                  | 222        | 5495                  | No        |
| 18                                    | 17               | 7.4                | 424        | 5497                  | Yes       |
| 19                                    | 17               | 8.2                | 393        | 5491                  | No        |
| 20                                    | 17               | 8.1                | 382        | 5500                  | Yes       |
| 21                                    | 17               | 7.7                | 486        | 5511                  | Yes       |
| 22                                    | 17               | 7.6                | 480        | 5507                  | Yes       |
| 23                                    | 16               | 7                  | 360        | 5513                  | No        |
| 24                                    | 16               | 6.1                | 297        | 5503                  | Yes       |
| 25                                    | 16               | 6                  | 265        | 5525                  | No        |
| 26                                    | 18               | 9.9                | 263        | 5516                  | Yes       |
| 27                                    | 18               | 9.8                | 324        | 5519                  | Yes       |
| 28                                    | 17               | 7.3                | 386        | 5514                  | Yes       |
| 29                                    | 18               | 9.3                | 311        | 5498                  | Yes       |
| 30                                    | 17               | 8.3                | 378        | 5496                  | Yes       |
| Detection Rate: 80 %                  |                  |                    |            |                       |           |

| Type 4 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 16               | 19.7               | 235        | 5491                  | Yes       |
| 2                                     | 12               | 12.7               | 357        | 5516                  | Yes       |
| 3                                     | 13               | 13.6               | 333        | 5518                  | Yes       |
| 4                                     | 15               | 17.7               | 242        | 5521                  | Yes       |
| 5                                     | 15               | 16.8               | 397        | 5509                  | Yes       |
| 6                                     | 16               | 20                 | 302        | 5496                  | Yes       |
| 7                                     | 16               | 19.7               | 203        | 5497                  | Yes       |
| 8                                     | 12               | 11.3               | 428        | 5507                  | Yes       |
| 9                                     | 12               | 11.5               | 335        | 5500                  | Yes       |
| 10                                    | 16               | 18.8               | 240        | 5519                  | Yes       |
| 11                                    | 16               | 20                 | 224        | 5501                  | Yes       |
| 12                                    | 16               | 20                 | 410        | 5508                  | Yes       |
| 13                                    | 13               | 14.2               | 359        | 5520                  | Yes       |
| 14                                    | 15               | 18                 | 269        | 5524                  | No        |
| 15                                    | 13               | 13.3               | 250        | 5505                  | Yes       |
| 16                                    | 16               | 19                 | 247        | 5492                  | Yes       |
| 17                                    | 12               | 11.1               | 222        | 5527                  | Yes       |
| 18                                    | 13               | 14.2               | 424        | 5502                  | No        |
| 19                                    | 14               | 15.9               | 393        | 5493                  | Yes       |
| 20                                    | 14               | 15.8               | 382        | 5514                  | Yes       |
| 21                                    | 14               | 14.8               | 486        | 5495                  | Yes       |
| 22                                    | 13               | 14.6               | 480        | 5513                  | Yes       |
| 23                                    | 13               | 13.2               | 360        | 5506                  | Yes       |
| 24                                    | 12               | 11.3               | 297        | 5522                  | Yes       |
| 25                                    | 12               | 11                 | 265        | 5529                  | Yes       |
| 26                                    | 16               | 19.6               | 263        | 5517                  | Yes       |
| 27                                    | 16               | 19.6               | 324        | 5503                  | Yes       |
| 28                                    | 13               | 14                 | 386        | 5526                  | Yes       |
| 29                                    | 16               | 18.3               | 311        | 5499                  | Yes       |
| 30                                    | 14               | 16.1               | 378        | 5523                  | Yes       |
| Detection Rate: 93.33 %               |                  |                    |            |                       |           |

| Type 5 Radar Statistical Performances |                  |                        |
|---------------------------------------|------------------|------------------------|
| Trial #                               | Test Signal Name | Detection              |
| 1                                     | LP_Signal_01     | Yes                    |
| 2                                     | LP_Signal_02     | Yes                    |
| 3                                     | LP_Signal_03     | Yes                    |
| 4                                     | LP_Signal_04     | Yes                    |
| 5                                     | LP_Signal_05     | Yes                    |
| 6                                     | LP_Signal_06     | Yes                    |
| 7                                     | LP_Signal_07     | Yes                    |
| 8                                     | LP_Signal_08     | Yes                    |
| 9                                     | LP_Signal_09     | Yes                    |
| 10                                    | LP_Signal_10     | Yes                    |
| 11                                    | LP_Signal_11     | Yes                    |
| 12                                    | LP_Signal_12     | Yes                    |
| 13                                    | LP_Signal_13     | No                     |
| 14                                    | LP_Signal_14     | Yes                    |
| 15                                    | LP_Signal_15     | Yes                    |
| 16                                    | LP_Signal_16     | Yes                    |
| 17                                    | LP_Signal_17     | Yes                    |
| 18                                    | LP_Signal_18     | Yes                    |
| 19                                    | LP_Signal_19     | Yes                    |
| 20                                    | LP_Signal_20     | Yes                    |
| 21                                    | LP_Signal_21     | Yes                    |
| 22                                    | LP_Signal_22     | Yes                    |
| 23                                    | LP_Signal_23     | Yes                    |
| 24                                    | LP_Signal_24     | Yes                    |
| 25                                    | LP_Signal_25     | Yes                    |
| 26                                    | LP_Signal_26     | Yes                    |
| 27                                    | LP_Signal_27     | Yes                    |
| 28                                    | LP_Signal_28     | Yes                    |
| 29                                    | LP_Signal_29     | Yes                    |
| 30                                    | LP_Signal_30     | Yes                    |
|                                       |                  | Detection Rate: 96.7 % |



Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_01

Number of Bursts in Trial: 13

Chirp Center Frequency: 5510MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 72.2             | 12                | 2                          | 1002.0     | 1973.0     | -          |
| 2     | 74.1             | 12                | 2                          | 1892.0     | 1635.0     | -          |
| 3     | 85.9             | 12                | 3                          | 1097.0     | 1171.0     | 1514.0     |
| 4     | 68.7             | 12                | 2                          | 1150.0     | 1740.0     | -          |
| 5     | 62.1             | 12                | 1                          | 1907.0     | -          | -          |
| 6     | 84.8             | 12                | 3                          | 1313.0     | 1536.0     | 1177.0     |
| 7     | 85.2             | 12                | 3                          | 1597.0     | 1539.0     | 1629.0     |
| 8     | 76.2             | 12                | 2                          | 1371.0     | 1764.0     | -          |
| 9     | 94.6             | 12                | 3                          | 1563.0     | 1880.0     | 1548.0     |
| 10    | 52.5             | 12                | 1                          | 1528.0     | -          | -          |
| 11    | 94.6             | 12                | 3                          | 1537.0     | 1935.0     | 1241.0     |
| 12    | 71.5             | 12                | 2                          | 1337.0     | 1472.0     | -          |
| 13    | 66.1             | 12                | 1                          | 1824.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_02

Number of Bursts in Trial: 14

Chirp Center Frequency: 5510MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 75.3             | 12                | 2                          | 1516.0     | 1581.0     | -          |
| 2     | 57.3             | 12                | 1                          | 1187.0     | -          | -          |
| 3     | 97.0             | 12                | 3                          | 1767.0     | 1677.0     | 1381.0     |
| 4     | 71.3             | 12                | 2                          | 1683.0     | 1622.0     | -          |
| 5     | 65.7             | 12                | 1                          | 1458.0     | -          | -          |
| 6     | 56.8             | 12                | 1                          | 1388.0     | -          | -          |
| 7     | 95.0             | 12                | 3                          | 1793.0     | 1254.0     | 1779.0     |
| 8     | 52.2             | 12                | 1                          | 1575.0     | -          | -          |
| 9     | 54.2             | 12                | 1                          | 1682.0     | -          | -          |
| 10    | 94.1             | 12                | 3                          | 1957.0     | 1485.0     | 1876.0     |
| 11    | 91.2             | 12                | 3                          | 1803.0     | 1693.0     | 1628.0     |
| 12    | 91.8             | 12                | 3                          | 1897.0     | 1636.0     | 1353.0     |
| 13    | 75.0             | 12                | 2                          | 1877.0     | 1456.0     | -          |
| 14    | 80.2             | 12                | 2                          | 1698.0     | 1608.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_03

Number of Bursts in Trial: 17

Chirp Center Frequency: 5510MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 76.2             | 16                | 2                          | 1955.0     | 1109.0     | -          |
| 2     | 97.3             | 16                | 3                          | 1836.0     | 1042.0     | 1224.0     |
| 3     | 75.3             | 16                | 2                          | 1579.0     | 1126.0     | -          |
| 4     | 74.5             | 16                | 2                          | 1771.0     | 1755.0     | -          |
| 5     | 51.2             | 16                | 1                          | 1133.0     | -          | -          |
| 6     | 66.1             | 16                | 1                          | 1167.0     | -          | -          |
| 7     | 98.8             | 16                | 3                          | 1919.0     | 1424.0     | 1985.0     |
| 8     | 61.3             | 16                | 1                          | 1454.0     | -          | -          |
| 9     | 66.4             | 16                | 1                          | 1772.0     | -          | -          |
| 10    | 93.5             | 16                | 3                          | 1879.0     | 1022.0     | 1857.0     |
| 11    | 85.7             | 16                | 3                          | 1980.0     | 1009.0     | 1716.0     |
| 12    | 50.5             | 16                | 1                          | 1924.0     | -          | -          |
| 13    | 88.1             | 16                | 3                          | 1131.0     | 1890.0     | 1939.0     |
| 14    | 68.9             | 16                | 2                          | 1806.0     | 1414.0     | -          |
| 15    | 55.3             | 16                | 1                          | 1802.0     | -          | -          |
| 16    | 64.6             | 16                | 1                          | 1178.0     | -          | -          |
| 17    | 57.2             | 16                | 1                          | 1238.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_04

Number of Bursts in Trial: 13

Chirp Center Frequency: 5510MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 78.5             | 10                | 2                          | 1267.0     | 1505.0     | -          |
| 2     | 63.3             | 10                | 1                          | 1532.0     | -          | -          |
| 3     | 92.6             | 10                | 3                          | 1729.0     | 1751.0     | 1928.0     |
| 4     | 91.0             | 10                | 3                          | 1808.0     | 1249.0     | 1809.0     |
| 5     | 94.9             | 10                | 3                          | 1186.0     | 1732.0     | 1743.0     |
| 6     | 79.1             | 10                | 2                          | 1776.0     | 1457.0     | -          |
| 7     | 50.3             | 10                | 1                          | 1914.0     | -          | -          |
| 8     | 89.3             | 10                | 3                          | 1182.0     | 1251.0     | 1687.0     |
| 9     | 94.6             | 10                | 3                          | 1998.0     | 1753.0     | 1228.0     |
| 10    | 64.7             | 10                | 1                          | 1100.0     | -          | -          |
| 11    | 84.0             | 10                | 3                          | 1373.0     | 1450.0     | 1589.0     |
| 12    | 68.0             | 10                | 2                          | 1895.0     | 1322.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_05

Number of Bursts in Trial: 11

Chirp Center Frequency: 5510MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 80.0             | 8                 | 2                          | 1357.0     | 1208.0     | -          |
| 2     | 94.7             | 8                 | 3                          | 1931.0     | 1905.0     | 1921.0     |
| 3     | 76.9             | 8                 | 2                          | 1453.0     | 1021.0     | -          |
| 4     | 87.1             | 8                 | 3                          | 1953.0     | 1469.0     | 1706.0     |
| 5     | 54.6             | 8                 | 1                          | 1301.0     | -          | -          |
| 6     | 59.0             | 8                 | 1                          | 1794.0     | -          | -          |
| 7     | 78.9             | 8                 | 2                          | 1279.0     | 1975.0     | -          |
| 8     | 69.3             | 8                 | 2                          | 1288.0     | 1610.0     | -          |
| 9     | 78.0             | 8                 | 2                          | 1433.0     | 1025.0     | -          |
| 10    | 93.4             | 8                 | 3                          | 1833.0     | 1804.0     | 1493.0     |
| 11    | 55.4             | 8                 | 1                          | 1495.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_06

Number of Bursts in Trial: 17

Chirp Center Frequency: 5510MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 67.3             | 16                | 2                          | 1530.0     | 1432.0     | -          |
| 2     | 63.9             | 16                | 1                          | 1356.0     | -          | -          |
| 3     | 91.0             | 16                | 3                          | 1631.0     | 1478.0     | 1219.0     |
| 4     | 53.4             | 16                | 1                          | 1609.0     | -          | -          |
| 5     | 85.7             | 16                | 3                          | 1831.0     | 1535.0     | 1960.0     |
| 6     | 65.2             | 16                | 1                          | 1873.0     | -          | -          |
| 7     | 68.7             | 16                | 2                          | 1791.0     | 1461.0     | -          |
| 8     | 76.1             | 16                | 2                          | 1815.0     | 1300.0     | -          |
| 9     | 97.0             | 16                | 3                          | 1471.0     | 1292.0     | 1452.0     |
| 10    | 89.6             | 16                | 3                          | 1436.0     | 1074.0     | 1400.0     |
| 11    | 86.9             | 16                | 3                          | 1085.0     | 1093.0     | 1156.0     |
| 12    | 62.6             | 16                | 1                          | 1870.0     | -          | -          |
| 13    | 78.5             | 16                | 2                          | 1447.0     | 1404.0     | -          |
| 14    | 82.5             | 16                | 2                          | 1717.0     | 1689.0     | -          |
| 15    | 89.2             | 16                | 3                          | 1642.0     | 1391.0     | 1274.0     |
| 16    | 81.4             | 16                | 2                          | 1624.0     | 1645.0     | -          |
| 17    | 68.2             | 16                | 2                          | 1475.0     | 1250.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_07

Number of Bursts in Trial: 17

Chirp Center Frequency: 5510MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 74.9             | 16                | 2                          | 1350.0     | 1816.0     | -          |
| 2     | 85.3             | 16                | 3                          | 1965.0     | 1440.0     | 1583.0     |
| 3     | 56.6             | 16                | 1                          | 1739.0     | -          | -          |
| 4     | 51.4             | 16                | 1                          | 1819.0     | -          | -          |
| 5     | 64.8             | 16                | 1                          | 1673.0     | -          | -          |
| 6     | 93.4             | 16                | 3                          | 1271.0     | 1504.0     | 1275.0     |
| 7     | 86.4             | 16                | 3                          | 1203.0     | 1064.0     | 1347.0     |
| 8     | 98.9             | 16                | 3                          | 1611.0     | 1958.0     | 1546.0     |
| 9     | 58.7             | 16                | 1                          | 1638.0     | -          | -          |
| 10    | 63.4             | 16                | 1                          | 1316.0     | -          | -          |
| 11    | 83.5             | 16                | 3                          | 1741.0     | 1293.0     | 1305.0     |
| 12    | 59.8             | 16                | 1                          | 1820.0     | -          | -          |
| 13    | 76.4             | 16                | 2                          | 1484.0     | 1835.0     | -          |
| 14    | 95.4             | 16                | 3                          | 1423.0     | 1827.0     | 1474.0     |
| 15    | 79.3             | 16                | 2                          | 1944.0     | 1891.0     | -          |
| 16    | 85.2             | 16                | 3                          | 1473.0     | 1321.0     | 1213.0     |
| 17    | 57.9             | 16                | 1                          | 1757.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_08

Number of Bursts in Trial: 14

Chirp Center Frequency: 5510MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 75.2             | 13                | 2                          | 1261.0     | 1304.0     | -          |
| 2     | 77.1             | 13                | 2                          | 1027.0     | 1508.0     | -          |
| 3     | 53.8             | 13                | 1                          | 1902.0     | -          | -          |
| 4     | 75.7             | 13                | 2                          | 1695.0     | 1486.0     | -          |
| 5     | 64.7             | 13                | 1                          | 1578.0     | -          | -          |
| 6     | 74.0             | 13                | 2                          | 1297.0     | 1665.0     | -          |
| 7     | 75.9             | 13                | 2                          | 1668.0     | 1099.0     | -          |
| 8     | 88.6             | 13                | 3                          | 1090.0     | 1936.0     | 1660.0     |
| 9     | 87.0             | 13                | 3                          | 1380.0     | 1565.0     | 1497.0     |
| 10    | 78.4             | 13                | 2                          | 1379.0     | 1840.0     | -          |
| 11    | 93.2             | 13                | 3                          | 1850.0     | 1932.0     | 1054.0     |
| 12    | 82.0             | 13                | 2                          | 1428.0     | 1543.0     | -          |
| 13    | 98.5             | 13                | 3                          | 1029.0     | 1055.0     | 1690.0     |
| 14    | 54.6             | 13                | 1                          | 1266.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_09

Number of Bursts in Trial: 19

Chrip Center Frequency: 5510MHz

| Burst | Pulse Width (us) | Chrip Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 65.5             | 19                | 1                          | 1799.0     | -          | -          |
| 2     | 77.7             | 19                | 2                          | 1728.0     | 1378.0     | -          |
| 3     | 60.7             | 19                | 1                          | 1787.0     | -          | -          |
| 4     | 94.4             | 19                | 3                          | 1908.0     | 1028.0     | 1324.0     |
| 5     | 92.7             | 19                | 3                          | 1737.0     | 1540.0     | 1586.0     |
| 6     | 86.8             | 19                | 3                          | 1368.0     | 1194.0     | 1593.0     |
| 7     | 54.0             | 19                | 1                          | 1445.0     | -          | -          |
| 8     | 52.4             | 19                | 1                          | 1101.0     | -          | -          |
| 9     | 70.5             | 19                | 2                          | 1766.0     | 1927.0     | -          |
| 10    | 54.5             | 19                | 1                          | 1442.0     | -          | -          |
| 11    | 54.5             | 19                | 1                          | 1913.0     | -          | -          |
| 12    | 76.9             | 19                | 2                          | 1223.0     | 1894.0     | -          |
| 13    | 51.7             | 19                | 1                          | 1225.0     | -          | -          |
| 14    | 85.3             | 19                | 3                          | 1403.0     | 1375.0     | 1925.0     |
| 15    | 66.3             | 19                | 1                          | 1061.0     | -          | -          |
| 16    | 70.5             | 19                | 2                          | 1881.0     | 1923.0     | -          |
| 17    | 94.3             | 19                | 3                          | 1510.0     | 1114.0     | 1654.0     |
| 18    | 57.6             | 19                | 1                          | 1780.0     | -          | -          |
| 19    | 77.5             | 19                | 2                          | 1602.0     | 1394.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_10

Number of Bursts in Trial: 8

Chrip Center Frequency: 5510MHz

| Burst | Pulses per Burst | Chrip (Hz)        | Pulse Width (s)            | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|-------------------|----------------------------|--------------------------|--------------------------|--------------------|
| 1     | Pulse Width (us) | Chrip Width (MHz) | Number of Pulses per Burst | PRI-1 (us)               | PRI-2 (us)               | PRI-3 (us)         |
| 2     | 70.6             | 5                 | 2                          | 1604.0                   | 1926.0                   | -                  |
| 3     | 57.2             | 5                 | 1                          | 1195.0                   | -                        | -                  |
| 4     | 62.0             | 5                 | 1                          | 1181.0                   | -                        | -                  |
| 5     | 77.5             | 5                 | 2                          | 1349.0                   | 1658.0                   | -                  |
| 6     | 92.5             | 5                 | 3                          | 1599.0                   | 1544.0                   | 1016.0             |
| 7     | 60.1             | 5                 | 1                          | 1077.0                   | -                        | -                  |
| 8     | 61.3             | 5                 | 1                          | 1139.0                   | -                        | -                  |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_11

Number of Bursts in Trial: 19

Chirp Center Frequency: 5498MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 62.8             | 19                | 1                          | 1655.0     | -          | -          |
| 2     | 77.9             | 19                | 2                          | 1014.0     | 1929.0     | -          |
| 3     | 65.0             | 19                | 1                          | 1860.0     | -          | -          |
| 4     | 93.3             | 19                | 3                          | 1954.0     | 1542.0     | 1096.0     |
| 5     | 66.9             | 19                | 2                          | 1667.0     | 1754.0     | -          |
| 6     | 60.2             | 19                | 1                          | 1625.0     | -          | -          |
| 7     | 58.8             | 19                | 1                          | 1323.0     | -          | -          |
| 8     | 67.9             | 19                | 2                          | 1518.0     | 1134.0     | -          |
| 9     | 82.1             | 19                | 2                          | 1281.0     | 1343.0     | -          |
| 10    | 65.7             | 19                | 1                          | 1615.0     | -          | -          |
| 11    | 50.9             | 19                | 1                          | 1026.0     | -          | -          |
| 12    | 86.6             | 19                | 3                          | 1966.0     | 1590.0     | 1158.0     |
| 13    | 98.5             | 19                | 3                          | 1686.0     | 1977.0     | 1402.0     |
| 14    | 53.8             | 19                | 1                          | 1011.0     | -          | -          |
| 15    | 72.8             | 19                | 2                          | 1846.0     | 1714.0     | -          |
| 16    | 56.6             | 19                | 1                          | 1202.0     | -          | -          |
| 17    | 99.4             | 19                | 3                          | 1429.0     | 1521.0     | 1455.0     |
| 18    | 71.2             | 19                | 2                          | 1362.0     | 1060.0     | -          |
| 19    | 87.9             | 19                | 3                          | 1934.0     | 1172.0     | 1561.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_12

Number of Bursts in Trial: 13

Chrip Center Frequency: 5495MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 72.2             | 11                | 2                          | 1258.0     | 1361.0     | -          |
| 2     | 90.7             | 11                | 3                          | 1265.0     | 1573.0     | 1230.0     |
| 3     | 72.3             | 11                | 2                          | 1050.0     | 1796.0     | -          |
| 4     | 66.5             | 11                | 1                          | 1507.0     | -          | -          |
| 5     | 84.1             | 11                | 3                          | 1427.0     | 1393.0     | 1338.0     |
| 6     | 85.5             | 11                | 3                          | 1449.0     | 1910.0     | 1374.0     |
| 7     | 54.5             | 11                | 1                          | 1342.0     | -          | -          |
| 8     | 77.9             | 11                | 2                          | 1118.0     | 1013.0     | -          |
| 9     | 97.4             | 11                | 3                          | 1781.0     | 1253.0     | 1707.0     |
| 10    | 53.4             | 11                | 1                          | 1032.0     | -          | -          |
| 11    | 50.2             | 11                | 1                          | 1671.0     | -          | -          |
| 12    | 68.3             | 11                | 2                          | 1465.0     | 1125.0     | -          |
| 13    | 84.3             | 11                | 3                          | 1972.0     | 1652.0     | 1206.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_13

Number of Bursts in Trial: 12

Chrip Center Frequency: 5495MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 81.4             | 10                | 2                          | 1431.0     | 1141.0     | -          |
| 2     | 56.0             | 10                | 1                          | 1727.0     | -          | -          |
| 3     | 91.2             | 10                | 3                          | 1533.0     | 1264.0     | 1132.0     |
| 4     | 74.6             | 10                | 2                          | 1669.0     | 1477.0     | -          |
| 5     | 55.5             | 10                | 1                          | 1738.0     | -          | -          |
| 6     | 61.2             | 10                | 1                          | 1774.0     | -          | -          |
| 7     | 87.7             | 10                | 3                          | 1574.0     | 1140.0     | 1464.0     |
| 8     | 66.6             | 10                | 1                          | 1587.0     | -          | -          |
| 9     | 93.0             | 10                | 3                          | 1320.0     | 1663.0     | 1525.0     |
| 10    | 67.3             | 10                | 2                          | 1018.0     | 1302.0     | -          |
| 11    | 84.2             | 10                | 3                          | 1513.0     | 1215.0     | 1688.0     |
| 12    | 54.8             | 10                | 1                          | 1243.0     | -          | -          |



Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_14

Number of Bursts in Trial: 14

Chirp Center Frequency: 5496MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 93.4             | 13                | 3                          | 1023.0     | 1052.0     | 1143.0     |
| 2     | 71.0             | 13                | 2                          | 1152.0     | 1770.0     | -          |
| 3     | 79.0             | 13                | 2                          | 1862.0     | 1552.0     | -          |
| 4     | 66.7             | 13                | 2                          | 1483.0     | 1296.0     | -          |
| 5     | 84.5             | 13                | 3                          | 1185.0     | 1144.0     | 1832.0     |
| 6     | 55.3             | 13                | 1                          | 1969.0     | -          | -          |
| 7     | 78.1             | 13                | 2                          | 1318.0     | 1722.0     | -          |
| 8     | 71.3             | 13                | 2                          | 1653.0     | 1201.0     | -          |
| 9     | 72.3             | 13                | 2                          | 1222.0     | 1232.0     | -          |
| 10    | 89.1             | 13                | 3                          | 1874.0     | 1748.0     | 1491.0     |
| 11    | 90.1             | 13                | 3                          | 1522.0     | 1582.0     | 1990.0     |
| 12    | 90.5             | 13                | 3                          | 1176.0     | 1344.0     | 1971.0     |
| 13    | 61.3             | 13                | 1                          | 1199.0     | -          | -          |
| 14    | 80.9             | 13                | 2                          | 1111.0     | 1295.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_15

Number of Bursts in Trial: 9

Chirp Center Frequency: 5494MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 57.8             | 7                 | 1                          | 1724.0     | -          | -          |
| 2     | 62.3             | 7                 | 1                          | 1498.0     | -          | -          |
| 3     | 82.4             | 7                 | 2                          | 1151.0     | 1396.0     | -          |
| 4     | 61.5             | 7                 | 1                          | 1501.0     | -          | -          |
| 5     | 64.5             | 7                 | 1                          | 1623.0     | -          | -          |
| 6     | 81.9             | 7                 | 2                          | 1079.0     | 1951.0     | -          |
| 7     | 97.4             | 7                 | 3                          | 1216.0     | 1204.0     | 1618.0     |
| 8     | 66.6             | 7                 | 1                          | 1630.0     | -          | -          |
| 9     | 55.2             | 7                 | 1                          | 1502.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_16

Number of Bursts in Trial: 20

Chirp Center Frequency: 5499MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 92.5             | 20                | 3                          | 1098.0     | 1694.0     | 1425.0     |
| 2     | 62.7             | 20                | 1                          | 1844.0     | -          | -          |
| 3     | 98.2             | 20                | 3                          | 1976.0     | 1482.0     | 1887.0     |
| 4     | 51.1             | 20                | 1                          | 1479.0     | -          | -          |
| 5     | 88.1             | 20                | 3                          | 1838.0     | 1191.0     | 1421.0     |
| 6     | 83.5             | 20                | 3                          | 1366.0     | 1037.0     | 1981.0     |
| 7     | 71.3             | 20                | 2                          | 1676.0     | 1699.0     | -          |
| 8     | 79.3             | 20                | 2                          | 1856.0     | 1174.0     | -          |
| 9     | 73.3             | 20                | 2                          | 1326.0     | 1529.0     | -          |
| 10    | 88.1             | 20                | 3                          | 1070.0     | 1841.0     | 1710.0     |
| 11    | 61.6             | 20                | 1                          | 1327.0     | -          | -          |
| 12    | 90.8             | 20                | 3                          | 1086.0     | 1584.0     | 1236.0     |
| 13    | 64.4             | 20                | 1                          | 1045.0     | -          | -          |
| 14    | 75.5             | 20                | 2                          | 1311.0     | 1273.0     | -          |
| 15    | 61.2             | 20                | 1                          | 1180.0     | -          | -          |
| 16    | 62.8             | 20                | 1                          | 1136.0     | -          | -          |
| 17    | 98.1             | 20                | 3                          | 1242.0     | 1058.0     | 1248.0     |
| 18    | 72.1             | 20                | 2                          | 1941.0     | 1041.0     | -          |
| 19    | 97.1             | 20                | 3                          | 1031.0     | 1221.0     | 1309.0     |
| 20    | 62.0             | 20                | 1                          | 1797.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_17

Number of Bursts in Trial: 13

Chirp Center Frequency: 5495MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 92.3             | 11                | 3                          | 1768.0     | 1605.0     | 1619.0     |
| 2     | 66.0             | 11                | 1                          | 1468.0     | -          | -          |
| 3     | 50.6             | 11                | 1                          | 1549.0     | -          | -          |
| 4     | 63.2             | 11                | 1                          | 1035.0     | -          | -          |
| 5     | 74.6             | 11                | 2                          | 1312.0     | 1745.0     | -          |
| 6     | 53.4             | 11                | 1                          | 1598.0     | -          | -          |
| 7     | 75.3             | 11                | 2                          | 1837.0     | 1443.0     | -          |
| 8     | 84.2             | 11                | 3                          | 1110.0     | 1034.0     | 1948.0     |
| 9     | 81.5             | 11                | 2                          | 1898.0     | 1298.0     | -          |
| 10    | 52.8             | 11                | 1                          | 1553.0     | -          | -          |
| 11    | 52.3             | 11                | 1                          | 1675.0     | -          | -          |
| 12    | 57.4             | 11                | 1                          | 1702.0     | -          | -          |
| 13    | 76.7             | 11                | 2                          | 1961.0     | 1670.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_18

Number of Bursts in Trial: 12

Chirp Center Frequency: 5495MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 65.8             | 10                | 1                          | 2000.0     | -          | -          |
| 2     | 86.6             | 10                | 3                          | 1666.0     | 1190.0     | 1043.0     |
| 3     | 54.0             | 10                | 1                          | 1922.0     | -          | -          |
| 4     | 86.4             | 10                | 3                          | 1703.0     | 1962.0     | 1639.0     |
| 5     | 54.2             | 10                | 1                          | 1119.0     | -          | -          |
| 6     | 90.0             | 10                | 3                          | 1257.0     | 1911.0     | 1571.0     |
| 7     | 87.8             | 10                | 3                          | 1120.0     | 1509.0     | 1708.0     |
| 8     | 50.9             | 10                | 1                          | 1572.0     | -          | -          |
| 9     | 59.7             | 10                | 1                          | 1155.0     | -          | -          |
| 10    | 66.7             | 10                | 2                          | 1818.0     | 1725.0     | -          |
| 11    | 52.4             | 10                | 1                          | 1082.0     | -          | -          |
| 12    | 99.8             | 10                | 3                          | 1775.0     | 1778.0     | 1068.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_19

Number of Bursts in Trial: 9

Chirp Center Frequency: 5494MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 90.2             | 7                 | 3                          | 1723.0     | 1106.0     | 1103.0     |
| 2     | 93.4             | 7                 | 3                          | 1715.0     | 1810.0     | 1370.0     |
| 3     | 86.8             | 7                 | 3                          | 1390.0     | 1340.0     | 1634.0     |
| 4     | 71.2             | 7                 | 2                          | 1108.0     | 1351.0     | -          |
| 5     | 98.7             | 7                 | 3                          | 1949.0     | 1720.0     | 1363.0     |
| 6     | 66.4             | 7                 | 1                          | 1621.0     | -          | -          |
| 7     | 59.7             | 7                 | 1                          | 1993.0     | -          | -          |
| 8     | 50.3             | 7                 | 1                          | 1412.0     | -          | -          |
| 9     | 54.6             | 7                 | 1                          | 1441.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_20

Number of Bursts in Trial: 19

Chirp Center Frequency: 5498MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 62.9             | 19                | 1                          | 1466.0     | -          | -          |
| 2     | 76.5             | 19                | 2                          | 1008.0     | 1600.0     | -          |
| 3     | 62.0             | 19                | 1                          | 1355.0     | -          | -          |
| 4     | 84.9             | 19                | 3                          | 1893.0     | 1851.0     | 1166.0     |
| 5     | 76.5             | 19                | 2                          | 1909.0     | 1987.0     | -          |
| 6     | 84.7             | 19                | 3                          | 1179.0     | 1256.0     | 1107.0     |
| 7     | 58.1             | 19                | 1                          | 1123.0     | -          | -          |
| 8     | 87.1             | 19                | 3                          | 1315.0     | 1763.0     | 1365.0     |
| 9     | 97.9             | 19                | 3                          | 1051.0     | 1395.0     | 1519.0     |
| 10    | 70.5             | 19                | 2                          | 1984.0     | 1692.0     | -          |
| 11    | 85.7             | 19                | 3                          | 1438.0     | 1040.0     | 1672.0     |
| 12    | 54.2             | 19                | 1                          | 1247.0     | -          | -          |
| 13    | 64.0             | 19                | 1                          | 1674.0     | -          | -          |
| 14    | 98.7             | 19                | 3                          | 1566.0     | 1289.0     | 1752.0     |
| 15    | 89.0             | 19                | 3                          | 1290.0     | 1405.0     | 1959.0     |
| 16    | 57.2             | 19                | 1                          | 1164.0     | -          | -          |
| 17    | 76.5             | 19                | 2                          | 1165.0     | 1135.0     | -          |
| 18    | 93.9             | 19                | 3                          | 1888.0     | 1731.0     | 1828.0     |
| 19    | 82.2             | 19                | 2                          | 1175.0     | 1091.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_21

Number of Bursts in Trial: 8

Chirp Center Frequency: 5527MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 59.2             | 5                 | 1                          | 1307.0     | -          | -          |
| 2     | 61.0             | 5                 | 1                          | 1389.0     | -          | -          |
| 3     | 82.6             | 5                 | 2                          | 1047.0     | 1637.0     | -          |
| 4     | 99.3             | 5                 | 3                          | 1408.0     | 1760.0     | 1901.0     |
| 5     | 98.3             | 5                 | 3                          | 1996.0     | 1039.0     | 1104.0     |
| 6     | 63.5             | 5                 | 1                          | 1596.0     | -          | -          |
| 7     | 84.5             | 5                 | 3                          | 1115.0     | 1930.0     | 1864.0     |
| 8     | 60.1             | 5                 | 1                          | 1328.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_22

Number of Bursts in Trial: 9

Chirp Center Frequency: 5527MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 88.5             | 6                 | 3                          | 1648.0     | 1627.0     | 1496.0     |
| 2     | 63.0             | 6                 | 1                          | 1001.0     | -          | -          |
| 3     | 82.8             | 6                 | 2                          | 1868.0     | 1006.0     | -          |
| 4     | 86.4             | 6                 | 3                          | 1657.0     | 1044.0     | 1709.0     |
| 5     | 92.7             | 6                 | 3                          | 1644.0     | 1916.0     | 1527.0     |
| 6     | 57.1             | 6                 | 1                          | 1420.0     | -          | -          |
| 7     | 72.0             | 6                 | 2                          | 1092.0     | 1192.0     | -          |
| 8     | 52.8             | 6                 | 1                          | 1335.0     | -          | -          |
| 9     | 60.1             | 6                 | 1                          | 1137.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_23

Number of Bursts in Trial: 19

Chirp Center Frequency: 5522MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 92.0             | 19                | 3                          | 1858.0     | 1601.0     | 1189.0     |
| 2     | 51.4             | 19                | 1                          | 1331.0     | -          | -          |
| 3     | 77.7             | 19                | 2                          | 1517.0     | 1834.0     | -          |
| 4     | 55.3             | 19                | 1                          | 1397.0     | -          | -          |
| 5     | 79.6             | 19                | 2                          | 1992.0     | 1205.0     | -          |
| 6     | 63.9             | 19                | 1                          | 1588.0     | -          | -          |
| 7     | 61.9             | 19                | 1                          | 1439.0     | -          | -          |
| 8     | 96.2             | 19                | 3                          | 1889.0     | 1193.0     | 1938.0     |
| 9     | 66.7             | 19                | 2                          | 1853.0     | 1418.0     | -          |
| 10    | 95.6             | 19                | 3                          | 1761.0     | 1592.0     | 1263.0     |
| 11    | 76.1             | 19                | 2                          | 1585.0     | 1950.0     | -          |
| 12    | 94.8             | 19                | 3                          | 1387.0     | 1336.0     | 1550.0     |
| 13    | 97.9             | 19                | 3                          | 1807.0     | 1138.0     | 1661.0     |
| 14    | 64.0             | 19                | 1                          | 1038.0     | -          | -          |
| 15    | 72.2             | 19                | 2                          | 1790.0     | 1882.0     | -          |
| 16    | 72.6             | 19                | 2                          | 1736.0     | 1383.0     | -          |
| 17    | 77.6             | 19                | 2                          | 1244.0     | 1641.0     | -          |
| 18    | 91.1             | 19                | 3                          | 1299.0     | 1406.0     | 1056.0     |
| 19    | 93.7             | 19                | 3                          | 1964.0     | 1718.0     | 1053.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_24

Number of Bursts in Trial: 18

Chirp Center Frequency: 5522MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 80.4             | 18                | 2                          | 1735.0     | 1046.0     | -          |
| 2     | 77.2             | 18                | 2                          | 1662.0     | 1359.0     | -          |
| 3     | 63.7             | 18                | 1                          | 1341.0     | -          | -          |
| 4     | 71.3             | 18                | 2                          | 1346.0     | 1883.0     | -          |
| 5     | 92.1             | 18                | 3                          | 1069.0     | 1033.0     | 1417.0     |
| 6     | 74.5             | 18                | 2                          | 1986.0     | 1730.0     | -          |
| 7     | 69.7             | 18                | 2                          | 1988.0     | 1547.0     | -          |
| 8     | 74.0             | 18                | 2                          | 1612.0     | 1285.0     | -          |
| 9     | 65.0             | 18                | 1                          | 1415.0     | -          | -          |
| 10    | 84.2             | 18                | 3                          | 1556.0     | 1030.0     | 1664.0     |
| 11    | 93.1             | 18                | 3                          | 1148.0     | 1160.0     | 1259.0     |
| 12    | 97.1             | 18                | 3                          | 1062.0     | 1372.0     | 1392.0     |
| 13    | 92.0             | 18                | 3                          | 1933.0     | 1970.0     | 1685.0     |
| 14    | 95.8             | 18                | 3                          | 1967.0     | 1875.0     | 1112.0     |
| 15    | 78.9             | 18                | 2                          | 1983.0     | 1903.0     | -          |
| 16    | 65.2             | 18                | 1                          | 1814.0     | -          | -          |
| 17    | 75.0             | 18                | 2                          | 1146.0     | 1142.0     | -          |
| 18    | 66.2             | 18                | 1                          | 1577.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_25

Number of Bursts in Trial: 18

Chirp Center Frequency: 5522MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 76.8             | 18                | 2                          | 1284.0     | 1792.0     | -          |
| 2     | 79.7             | 18                | 2                          | 1364.0     | 1276.0     | -          |
| 3     | 97.1             | 18                | 3                          | 1861.0     | 1759.0     | 1260.0     |
| 4     | 70.7             | 18                | 2                          | 1937.0     | 1744.0     | -          |
| 5     | 53.1             | 18                | 1                          | 1017.0     | -          | -          |
| 6     | 81.5             | 18                | 2                          | 1184.0     | 1072.0     | -          |
| 7     | 68.0             | 18                | 2                          | 1360.0     | 1332.0     | -          |
| 8     | 58.4             | 18                | 1                          | 1306.0     | -          | -          |
| 9     | 65.4             | 18                | 1                          | 1234.0     | -          | -          |
| 10    | 90.7             | 18                | 3                          | 1207.0     | 1147.0     | 1603.0     |
| 11    | 99.1             | 18                | 3                          | 1900.0     | 1746.0     | 1252.0     |
| 12    | 60.6             | 18                | 1                          | 1684.0     | -          | -          |
| 13    | 63.8             | 18                | 1                          | 1616.0     | -          | -          |
| 14    | 65.1             | 18                | 1                          | 1382.0     | -          | -          |
| 15    | 66.0             | 18                | 1                          | 1829.0     | -          | -          |
| 16    | 78.4             | 18                | 2                          | 1512.0     | 1940.0     | -          |
| 17    | 72.5             | 18                | 2                          | 1430.0     | 1701.0     | -          |
| 18    | 82.9             | 18                | 2                          | 1010.0     | 1066.0     | -          |



Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_26

Number of Bursts in Trial: 14

Chirp Center Frequency: 5524MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 78.2             | 13                | 2                          | 1227.0     | 1352.0     | -          |
| 2     | 80.1             | 13                | 2                          | 1872.0     | 1680.0     | -          |
| 3     | 85.6             | 13                | 3                          | 1545.0     | 1105.0     | 1399.0     |
| 4     | 80.9             | 13                | 2                          | 1633.0     | 1129.0     | -          |
| 5     | 59.9             | 13                | 1                          | 1145.0     | -          | -          |
| 6     | 90.0             | 13                | 3                          | 1059.0     | 1978.0     | 1859.0     |
| 7     | 96.9             | 13                | 3                          | 1407.0     | 1480.0     | 1747.0     |
| 8     | 62.0             | 13                | 1                          | 1885.0     | -          | -          |
| 9     | 73.7             | 13                | 2                          | 1852.0     | 1696.0     | -          |
| 10    | 98.5             | 13                | 3                          | 1063.0     | 1088.0     | 1168.0     |
| 11    | 84.1             | 13                | 3                          | 1157.0     | 1198.0     | 1212.0     |
| 12    | 99.0             | 13                | 3                          | 1245.0     | 1784.0     | 1422.0     |
| 13    | 69.0             | 13                | 2                          | 1515.0     | 1991.0     | -          |
| 14    | 98.8             | 13                | 3                          | 1237.0     | 1554.0     | 1705.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_27

Number of Bursts in Trial: 15

Chirp Center Frequency: 5524MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 97.3             | 14                | 3                          | 1384.0     | 1434.0     | 1843.0     |
| 2     | 56.4             | 14                | 1                          | 1170.0     | -          | -          |
| 3     | 50.7             | 14                | 1                          | 1049.0     | -          | -          |
| 4     | 61.4             | 14                | 1                          | 1777.0     | -          | -          |
| 5     | 96.6             | 14                | 3                          | 1626.0     | 1821.0     | 1643.0     |
| 6     | 59.7             | 14                | 1                          | 1280.0     | -          | -          |
| 7     | 74.1             | 14                | 2                          | 1918.0     | 1845.0     | -          |
| 8     | 82.3             | 14                | 2                          | 1435.0     | 1640.0     | -          |
| 9     | 53.3             | 14                | 1                          | 1127.0     | -          | -          |
| 10    | 83.6             | 14                | 3                          | 1235.0     | 1489.0     | 1721.0     |
| 11    | 59.1             | 14                | 1                          | 1884.0     | -          | -          |
| 12    | 79.0             | 14                | 2                          | 1451.0     | 1613.0     | -          |
| 13    | 75.0             | 14                | 2                          | 1239.0     | 1989.0     | -          |
| 14    | 54.3             | 14                | 1                          | 1481.0     | -          | -          |
| 15    | 70.3             | 14                | 2                          | 1783.0     | 1334.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_28

Number of Bursts in Trial: 14

Chirp Center Frequency: 5524MHz

| Burst | Pulse Width<br>(us) | Chirp Width<br>(MHz) | Number of<br>Pulses per<br>Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------------|----------------------------------|------------|------------|------------|
| 1     | 78.0                | 13                   | 2                                | 1786.0     | 1231.0     | -          |
| 2     | 81.1                | 13                   | 2                                | 1377.0     | 1019.0     | -          |
| 3     | 63.6                | 13                   | 1                                | 1083.0     | -          | -          |
| 4     | 73.2                | 13                   | 2                                | 1048.0     | 1878.0     | -          |
| 5     | 96.0                | 13                   | 3                                | 1555.0     | 1704.0     | 1130.0     |
| 6     | 87.0                | 13                   | 3                                | 1492.0     | 1523.0     | 1526.0     |
| 7     | 94.9                | 13                   | 3                                | 1487.0     | 1218.0     | 1865.0     |
| 8     | 80.6                | 13                   | 2                                | 1278.0     | 1570.0     | -          |
| 9     | 96.0                | 13                   | 3                                | 1183.0     | 1531.0     | 1956.0     |
| 10    | 69.8                | 13                   | 2                                | 1467.0     | 1081.0     | -          |
| 11    | 57.1                | 13                   | 1                                | 1354.0     | -          | -          |
| 12    | 73.8                | 13                   | 2                                | 1646.0     | 1196.0     | -          |
| 13    | 91.2                | 13                   | 3                                | 1711.0     | 1410.0     | 1078.0     |
| 14    | 57.8                | 13                   | 1                                | 1742.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_29

Number of Bursts in Trial: 20

Chirp Center Frequency: 5521MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 69.6             | 20                | 2                          | 1161.0     | 1162.0     | -          |
| 2     | 74.4             | 20                | 2                          | 1607.0     | 1272.0     | -          |
| 3     | 66.4             | 20                | 1                          | 1866.0     | -          | -          |
| 4     | 71.7             | 20                | 2                          | 1089.0     | 1470.0     | -          |
| 5     | 50.2             | 20                | 1                          | 1503.0     | -          | -          |
| 6     | 63.4             | 20                | 1                          | 1762.0     | -          | -          |
| 7     | 57.4             | 20                | 1                          | 1595.0     | -          | -          |
| 8     | 64.3             | 20                | 1                          | 1003.0     | -          | -          |
| 9     | 54.6             | 20                | 1                          | 1476.0     | -          | -          |
| 10    | 81.9             | 20                | 2                          | 1154.0     | 1488.0     | -          |
| 11    | 62.8             | 20                | 1                          | 1942.0     | -          | -          |
| 12    | 58.8             | 20                | 1                          | 1825.0     | -          | -          |
| 13    | 96.0             | 20                | 3                          | 1173.0     | 1116.0     | 1095.0     |
| 14    | 76.8             | 20                | 2                          | 1024.0     | 1210.0     | -          |
| 15    | 51.9             | 20                | 1                          | 1463.0     | -          | -          |
| 16    | 71.7             | 20                | 2                          | 1286.0     | 1121.0     | -          |
| 17    | 80.9             | 20                | 2                          | 1756.0     | 1398.0     | -          |
| 18    | 64.9             | 20                | 1                          | 1805.0     | -          | -          |
| 19    | 92.5             | 20                | 3                          | 1801.0     | 1367.0     | 1594.0     |
| 20    | 91.7             | 20                | 3                          | 1559.0     | 1620.0     | 1122.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_30

Number of Bursts in Trial: 14

Chirp Center Frequency: 5524MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 95.8             | 13                | 3                          | 1915.0     | 1214.0     | 1551.0     |
| 2     | 67.3             | 13                | 2                          | 1979.0     | 1128.0     | -          |
| 3     | 70.5             | 13                | 2                          | 1920.0     | 1339.0     | -          |
| 4     | 75.7             | 13                | 2                          | 1000.0     | 1734.0     | -          |
| 5     | 73.0             | 13                | 2                          | 1149.0     | 1591.0     | -          |
| 6     | 61.8             | 13                | 1                          | 1681.0     | -          | -          |
| 7     | 52.4             | 13                | 1                          | 1567.0     | -          | -          |
| 8     | 75.8             | 13                | 2                          | 2000.0     | 1886.0     | -          |
| 9     | 54.8             | 13                | 1                          | 1117.0     | -          | -          |
| 10    | 91.6             | 13                | 3                          | 1233.0     | 1004.0     | 1413.0     |
| 11    | 89.5             | 13                | 3                          | 1416.0     | 1329.0     | 1007.0     |
| 12    | 86.0             | 13                | 3                          | 1614.0     | 1557.0     | 1822.0     |
| 13    | 83.0             | 13                | 2                          | 1863.0     | 1282.0     | -          |
| 14    | 74.4             | 13                | 2                          | 1269.0     | 1617.0     | -          |

| Type 6 Radar Statistical Performances |                  |                    |            |                         |
|---------------------------------------|------------------|--------------------|------------|-------------------------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Detection               |
| 1                                     | 9                | 1                  | 333.3      | Yes                     |
| 2                                     | 9                | 1                  | 333.3      | Yes                     |
| 3                                     | 9                | 1                  | 333.3      | Yes                     |
| 4                                     | 9                | 1                  | 333.3      | Yes                     |
| 5                                     | 9                | 1                  | 333.3      | Yes                     |
| 6                                     | 9                | 1                  | 333.3      | Yes                     |
| 7                                     | 9                | 1                  | 333.3      | Yes                     |
| 8                                     | 9                | 1                  | 333.3      | Yes                     |
| 9                                     | 9                | 1                  | 333.3      | Yes                     |
| 10                                    | 9                | 1                  | 333.3      | Yes                     |
| 11                                    | 9                | 1                  | 333.3      | Yes                     |
| 12                                    | 9                | 1                  | 333.3      | Yes                     |
| 13                                    | 9                | 1                  | 333.3      | Yes                     |
| 14                                    | 9                | 1                  | 333.3      | Yes                     |
| 15                                    | 9                | 1                  | 333.3      | Yes                     |
| 16                                    | 9                | 1                  | 333.3      | Yes                     |
| 17                                    | 9                | 1                  | 333.3      | Yes                     |
| 18                                    | 9                | 1                  | 333.3      | Yes                     |
| 19                                    | 9                | 1                  | 333.3      | Yes                     |
| 20                                    | 9                | 1                  | 333.3      | Yes                     |
| 21                                    | 9                | 1                  | 333.3      | Yes                     |
| 22                                    | 9                | 1                  | 333.3      | Yes                     |
| 23                                    | 9                | 1                  | 333.3      | Yes                     |
| 24                                    | 9                | 1                  | 333.3      | Yes                     |
| 25                                    | 9                | 1                  | 333.3      | Yes                     |
| 26                                    | 9                | 1                  | 333.3      | Yes                     |
| 27                                    | 9                | 1                  | 333.3      | Yes                     |
| 28                                    | 9                | 1                  | 333.3      | Yes                     |
| 29                                    | 9                | 1                  | 333.3      | Yes                     |
| 30                                    | 9                | 1                  | 333.3      | Yes                     |
|                                       |                  |                    |            | Detection Rate: 100.0 % |

| Type 6 Radar Statistical Performances |                                 |                         |
|---------------------------------------|---------------------------------|-------------------------|
| Trial #                               | Hopping Frequency Sequence Name | Detection               |
| 1                                     | HOP_FREQ_SEQ_01                 | Yes                     |
| 2                                     | HOP_FREQ_SEQ_02                 | Yes                     |
| 3                                     | HOP_FREQ_SEQ_03                 | Yes                     |
| 4                                     | HOP_FREQ_SEQ_04                 | Yes                     |
| 5                                     | HOP_FREQ_SEQ_05                 | Yes                     |
| 6                                     | HOP_FREQ_SEQ_06                 | Yes                     |
| 7                                     | HOP_FREQ_SEQ_07                 | Yes                     |
| 8                                     | HOP_FREQ_SEQ_08                 | Yes                     |
| 9                                     | HOP_FREQ_SEQ_09                 | Yes                     |
| 10                                    | HOP_FREQ_SEQ_10                 | Yes                     |
| 11                                    | HOP_FREQ_SEQ_11                 | Yes                     |
| 12                                    | HOP_FREQ_SEQ_12                 | Yes                     |
| 13                                    | HOP_FREQ_SEQ_13                 | Yes                     |
| 14                                    | HOP_FREQ_SEQ_14                 | Yes                     |
| 15                                    | HOP_FREQ_SEQ_15                 | Yes                     |
| 16                                    | HOP_FREQ_SEQ_16                 | Yes                     |
| 17                                    | HOP_FREQ_SEQ_17                 | Yes                     |
| 18                                    | HOP_FREQ_SEQ_18                 | Yes                     |
| 19                                    | HOP_FREQ_SEQ_19                 | Yes                     |
| 20                                    | HOP_FREQ_SEQ_20                 | Yes                     |
| 21                                    | HOP_FREQ_SEQ_21                 | Yes                     |
| 22                                    | HOP_FREQ_SEQ_22                 | Yes                     |
| 23                                    | HOP_FREQ_SEQ_23                 | Yes                     |
| 24                                    | HOP_FREQ_SEQ_24                 | Yes                     |
| 25                                    | HOP_FREQ_SEQ_25                 | Yes                     |
| 26                                    | HOP_FREQ_SEQ_26                 | Yes                     |
| 27                                    | HOP_FREQ_SEQ_27                 | Yes                     |
| 28                                    | HOP_FREQ_SEQ_28                 | Yes                     |
| 29                                    | HOP_FREQ_SEQ_29                 | Yes                     |
| 30                                    | HOP_FREQ_SEQ_30                 | Yes                     |
|                                       |                                 | Detection Rate: 100.0 % |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.603G         | 2    | 5.405G         | 3    | 5.498G         | 4    | 5.670G         |
| 5                                                | 5.630G         | 6    | 5.712G         | 7    | 5.653G         | 8    | 5.285G         |
| 9                                                | 5.399G         | 10   | 5.541G         | 11   | 5.704G         | 12   | 5.323G         |
| 13                                               | 5.532G         | 14   | 5.366G         | 15   | 5.410G         | 16   | 5.581G         |
| 17                                               | 5.612G         | 18   | 5.467G         | 19   | 5.312G         | 20   | 5.554G         |
| 21                                               | 5.520G         | 22   | 5.551G         | 23   | 5.575G         | 24   | 5.448G         |
| 25                                               | 5.414G         | 26   | 5.598G         | 27   | 5.354G         | 28   | 5.708G         |
| 29                                               | 5.332G         | 30   | 5.288G         | 31   | 5.310G         | 32   | 5.456G         |
| 33                                               | 5.397G         | 34   | 5.361G         | 35   | 5.390G         | 36   | 5.380G         |
| 37                                               | 5.620G         | 38   | 5.652G         | 39   | 5.666G         | 40   | 5.457G         |
| 41                                               | 5.296G         | 42   | 5.631G         | 43   | 5.411G         | 44   | 5.470G         |
| 45                                               | 5.526G         | 46   | 5.472G         | 47   | 5.628G         | 48   | 5.375G         |
| 49                                               | 5.649G         | 50   | 5.656G         | 51   | 5.408G         | 52   | 5.393G         |
| 53                                               | 5.514G         | 54   | 5.348G         | 55   | 5.523G         | 56   | 5.709G         |
| 57                                               | 5.311G         | 58   | 5.284G         | 59   | 5.552G         | 60   | 5.427G         |
| 61                                               | 5.255G         | 62   | 5.395G         | 63   | 5.536G         | 64   | 5.626G         |
| 65                                               | 5.389G         | 66   | 5.297G         | 67   | 5.679G         | 68   | 5.545G         |
| 69                                               | 5.496G         | 70   | 5.617G         | 71   | 5.283G         | 72   | 5.508G         |
| 73                                               | 5.299G         | 74   | 5.319G         | 75   | 5.624G         | 76   | 5.440G         |
| 77                                               | 5.677G         | 78   | 5.643G         | 79   | 5.558G         | 80   | 5.252G         |
| 81                                               | 5.671G         | 82   | 5.378G         | 83   | 5.680G         | 84   | 5.547G         |
| 85                                               | 5.683G         | 86   | 5.453G         | 87   | 5.466G         | 88   | 5.471G         |
| 89                                               | 5.548G         | 90   | 5.356G         | 91   | 5.486G         | 92   | 5.684G         |
| 93                                               | 5.669G         | 94   | 5.349G         | 95   | 5.504G         | 96   | 5.641G         |
| 97                                               | 5.495G         | 98   | 5.578G         | 99   | 5.702G         | 100  | 5.706G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.328G         | 2    | 5.655G         | 3    | 5.570G         | 4    | 5.291G         |
| 5                                                | 5.485G         | 6    | 5.342G         | 7    | 5.365G         | 8    | 5.720G         |
| 9                                                | 5.647G         | 10   | 5.264G         | 11   | 5.362G         | 12   | 5.403G         |
| 13                                               | 5.392G         | 14   | 5.284G         | 15   | 5.363G         | 16   | 5.461G         |
| 17                                               | 5.346G         | 18   | 5.381G         | 19   | 5.598G         | 20   | 5.528G         |
| 21                                               | 5.640G         | 22   | 5.315G         | 23   | 5.500G         | 24   | 5.539G         |
| 25                                               | 5.531G         | 26   | 5.459G         | 27   | 5.603G         | 28   | 5.372G         |
| 29                                               | 5.499G         | 30   | 5.263G         | 31   | 5.329G         | 32   | 5.366G         |
| 33                                               | 5.431G         | 34   | 5.586G         | 35   | 5.536G         | 36   | 5.266G         |
| 37                                               | 5.376G         | 38   | 5.654G         | 39   | 5.701G         | 40   | 5.285G         |
| 41                                               | 5.699G         | 42   | 5.327G         | 43   | 5.450G         | 44   | 5.567G         |
| 45                                               | 5.680G         | 46   | 5.581G         | 47   | 5.270G         | 48   | 5.633G         |
| 49                                               | 5.676G         | 50   | 5.353G         | 51   | 5.456G         | 52   | 5.454G         |
| 53                                               | 5.446G         | 54   | 5.532G         | 55   | 5.665G         | 56   | 5.443G         |
| 57                                               | 5.432G         | 58   | 5.371G         | 59   | 5.269G         | 60   | 5.559G         |
| 61                                               | 5.386G         | 62   | 5.535G         | 63   | 5.308G         | 64   | 5.451G         |
| 65                                               | 5.276G         | 66   | 5.718G         | 67   | 5.719G         | 68   | 5.287G         |
| 69                                               | 5.636G         | 70   | 5.292G         | 71   | 5.490G         | 72   | 5.700G         |
| 73                                               | 5.303G         | 74   | 5.569G         | 75   | 5.489G         | 76   | 5.364G         |
| 77                                               | 5.564G         | 78   | 5.335G         | 79   | 5.340G         | 80   | 5.326G         |
| 81                                               | 5.677G         | 82   | 5.375G         | 83   | 5.664G         | 84   | 5.427G         |
| 85                                               | 5.538G         | 86   | 5.509G         | 87   | 5.420G         | 88   | 5.344G         |
| 89                                               | 5.462G         | 90   | 5.682G         | 91   | 5.565G         | 92   | 5.691G         |
| 93                                               | 5.355G         | 94   | 5.687G         | 95   | 5.652G         | 96   | 5.352G         |
| 97                                               | 5.416G         | 98   | 5.286G         | 99   | 5.684G         | 100  | 5.425G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.715G         | 2    | 5.431G         | 3    | 5.262G         | 4    | 5.608G         |
| 5                                                | 5.436G         | 6    | 5.354G         | 7    | 5.555G         | 8    | 5.545G         |
| 9                                                | 5.322G         | 10   | 5.379G         | 11   | 5.513G         | 12   | 5.254G         |
| 13                                               | 5.468G         | 14   | 5.449G         | 15   | 5.470G         | 16   | 5.616G         |
| 17                                               | 5.287G         | 18   | 5.393G         | 19   | 5.560G         | 20   | 5.256G         |
| 21                                               | 5.689G         | 22   | 5.647G         | 23   | 5.707G         | 24   | 5.413G         |
| 25                                               | 5.364G         | 26   | 5.445G         | 27   | 5.485G         | 28   | 5.615G         |
| 29                                               | 5.566G         | 30   | 5.610G         | 31   | 5.359G         | 32   | 5.723G         |
| 33                                               | 5.629G         | 34   | 5.312G         | 35   | 5.296G         | 36   | 5.341G         |
| 37                                               | 5.400G         | 38   | 5.611G         | 39   | 5.475G         | 40   | 5.463G         |
| 41                                               | 5.625G         | 42   | 5.412G         | 43   | 5.573G         | 44   | 5.434G         |
| 45                                               | 5.457G         | 46   | 5.540G         | 47   | 5.264G         | 48   | 5.496G         |
| 49                                               | 5.706G         | 50   | 5.724G         | 51   | 5.597G         | 52   | 5.299G         |
| 53                                               | 5.324G         | 54   | 5.539G         | 55   | 5.455G         | 56   | 5.547G         |
| 57                                               | 5.542G         | 58   | 5.631G         | 59   | 5.367G         | 60   | 5.363G         |
| 61                                               | 5.601G         | 62   | 5.714G         | 63   | 5.590G         | 64   | 5.365G         |
| 65                                               | 5.578G         | 66   | 5.453G         | 67   | 5.416G         | 68   | 5.471G         |
| 69                                               | 5.698G         | 70   | 5.323G         | 71   | 5.605G         | 72   | 5.635G         |
| 73                                               | 5.537G         | 74   | 5.352G         | 75   | 5.339G         | 76   | 5.378G         |
| 77                                               | 5.317G         | 78   | 5.257G         | 79   | 5.717G         | 80   | 5.637G         |
| 81                                               | 5.654G         | 82   | 5.361G         | 83   | 5.511G         | 84   | 5.510G         |
| 85                                               | 5.380G         | 86   | 5.594G         | 87   | 5.699G         | 88   | 5.600G         |
| 89                                               | 5.648G         | 90   | 5.683G         | 91   | 5.671G         | 92   | 5.283G         |
| 93                                               | 5.684G         | 94   | 5.508G         | 95   | 5.337G         | 96   | 5.342G         |
| 97                                               | 5.617G         | 98   | 5.278G         | 99   | 5.398G         | 100  | 5.497G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.267G         | 2    | 5.612G         | 3    | 5.554G         | 4    | 5.569G         |
| 5                                                | 5.698G         | 6    | 5.718G         | 7    | 5.288G         | 8    | 5.716G         |
| 9                                                | 5.621G         | 10   | 5.723G         | 11   | 5.322G         | 12   | 5.511G         |
| 13                                               | 5.570G         | 14   | 5.683G         | 15   | 5.721G         | 16   | 5.530G         |
| 17                                               | 5.508G         | 18   | 5.451G         | 19   | 5.416G         | 20   | 5.521G         |
| 21                                               | 5.501G         | 22   | 5.460G         | 23   | 5.527G         | 24   | 5.699G         |
| 25                                               | 5.363G         | 26   | 5.470G         | 27   | 5.304G         | 28   | 5.623G         |
| 29                                               | 5.453G         | 30   | 5.426G         | 31   | 5.441G         | 32   | 5.579G         |
| 33                                               | 5.398G         | 34   | 5.669G         | 35   | 5.333G         | 36   | 5.468G         |
| 37                                               | 5.557G         | 38   | 5.517G         | 39   | 5.665G         | 40   | 5.610G         |
| 41                                               | 5.448G         | 42   | 5.629G         | 43   | 5.380G         | 44   | 5.262G         |
| 45                                               | 5.597G         | 46   | 5.285G         | 47   | 5.318G         | 48   | 5.266G         |
| 49                                               | 5.270G         | 50   | 5.381G         | 51   | 5.315G         | 52   | 5.401G         |
| 53                                               | 5.463G         | 54   | 5.298G         | 55   | 5.607G         | 56   | 5.700G         |
| 57                                               | 5.711G         | 58   | 5.417G         | 59   | 5.717G         | 60   | 5.360G         |
| 61                                               | 5.429G         | 62   | 5.654G         | 63   | 5.524G         | 64   | 5.496G         |
| 65                                               | 5.445G         | 66   | 5.499G         | 67   | 5.280G         | 68   | 5.386G         |
| 69                                               | 5.351G         | 70   | 5.687G         | 71   | 5.584G         | 72   | 5.356G         |
| 73                                               | 5.661G         | 74   | 5.589G         | 75   | 5.663G         | 76   | 5.657G         |
| 77                                               | 5.478G         | 78   | 5.659G         | 79   | 5.389G         | 80   | 5.513G         |
| 81                                               | 5.555G         | 82   | 5.458G         | 83   | 5.502G         | 84   | 5.420G         |
| 85                                               | 5.549G         | 86   | 5.690G         | 87   | 5.641G         | 88   | 5.648G         |
| 89                                               | 5.452G         | 90   | 5.473G         | 91   | 5.542G         | 92   | 5.588G         |
| 93                                               | 5.632G         | 94   | 5.439G         | 95   | 5.250G         | 96   | 5.348G         |
| 97                                               | 5.466G         | 98   | 5.541G         | 99   | 5.481G         | 100  | 5.562G         |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_05

| SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
|------|----------------|------|----------------|------|----------------|------|----------------|
| 1    | 5.538G         | 2    | 5.423G         | 3    | 5.481G         | 4    | 5.307G         |
| 5    | 5.357G         | 6    | 5.593G         | 7    | 5.615G         | 8    | 5.404G         |
| 9    | 5.711G         | 10   | 5.490G         | 11   | 5.550G         | 12   | 5.416G         |
| 13   | 5.519G         | 14   | 5.541G         | 15   | 5.339G         | 16   | 5.612G         |
| 17   | 5.699G         | 18   | 5.653G         | 19   | 5.350G         | 20   | 5.369G         |
| 21   | 5.373G         | 22   | 5.656G         | 23   | 5.672G         | 24   | 5.688G         |
| 25   | 5.403G         | 26   | 5.522G         | 27   | 5.665G         | 28   | 5.675G         |
| 29   | 5.297G         | 30   | 5.402G         | 31   | 5.588G         | 32   | 5.673G         |
| 33   | 5.421G         | 34   | 5.512G         | 35   | 5.537G         | 36   | 5.715G         |
| 37   | 5.299G         | 38   | 5.686G         | 39   | 5.263G         | 40   | 5.679G         |
| 41   | 5.391G         | 42   | 5.313G         | 43   | 5.480G         | 44   | 5.561G         |
| 45   | 5.523G         | 46   | 5.389G         | 47   | 5.692G         | 48   | 5.569G         |
| 49   | 5.556G         | 50   | 5.578G         | 51   | 5.425G         | 52   | 5.517G         |
| 53   | 5.475G         | 54   | 5.532G         | 55   | 5.255G         | 56   | 5.375G         |
| 57   | 5.349G         | 58   | 5.436G         | 59   | 5.424G         | 60   | 5.271G         |
| 61   | 5.390G         | 62   | 5.585G         | 63   | 5.652G         | 64   | 5.486G         |
| 65   | 5.722G         | 66   | 5.280G         | 67   | 5.554G         | 68   | 5.514G         |
| 69   | 5.587G         | 70   | 5.683G         | 71   | 5.321G         | 72   | 5.547G         |
| 73   | 5.590G         | 74   | 5.432G         | 75   | 5.548G         | 76   | 5.657G         |
| 77   | 5.279G         | 78   | 5.693G         | 79   | 5.671G         | 80   | 5.539G         |
| 81   | 5.438G         | 82   | 5.301G         | 83   | 5.544G         | 84   | 5.670G         |
| 85   | 5.346G         | 86   | 5.463G         | 87   | 5.394G         | 88   | 5.567G         |
| 89   | 5.526G         | 90   | 5.434G         | 91   | 5.467G         | 92   | 5.611G         |
| 93   | 5.295G         | 94   | 5.647G         | 95   | 5.602G         | 96   | 5.318G         |
| 97   | 5.714G         | 98   | 5.649G         | 99   | 5.695G         | 100  | 5.630G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.527G         | 2    | 5.604G         | 3    | 5.380G         | 4    | 5.393G         |
| 5                                                | 5.280G         | 6    | 5.665G         | 7    | 5.273G         | 8    | 5.473G         |
| 9                                                | 5.566G         | 10   | 5.647G         | 11   | 5.694G         | 12   | 5.645G         |
| 13                                               | 5.528G         | 14   | 5.359G         | 15   | 5.369G         | 16   | 5.564G         |
| 17                                               | 5.497G         | 18   | 5.669G         | 19   | 5.508G         | 20   | 5.459G         |
| 21                                               | 5.342G         | 22   | 5.563G         | 23   | 5.531G         | 24   | 5.605G         |
| 25                                               | 5.322G         | 26   | 5.436G         | 27   | 5.394G         | 28   | 5.611G         |
| 29                                               | 5.295G         | 30   | 5.441G         | 31   | 5.622G         | 32   | 5.469G         |
| 33                                               | 5.652G         | 34   | 5.638G         | 35   | 5.308G         | 36   | 5.375G         |
| 37                                               | 5.374G         | 38   | 5.309G         | 39   | 5.439G         | 40   | 5.626G         |
| 41                                               | 5.688G         | 42   | 5.345G         | 43   | 5.514G         | 44   | 5.646G         |
| 45                                               | 5.602G         | 46   | 5.666G         | 47   | 5.254G         | 48   | 5.271G         |
| 49                                               | 5.347G         | 50   | 5.470G         | 51   | 5.408G         | 52   | 5.700G         |
| 53                                               | 5.467G         | 54   | 5.480G         | 55   | 5.337G         | 56   | 5.673G         |
| 57                                               | 5.506G         | 58   | 5.417G         | 59   | 5.512G         | 60   | 5.348G         |
| 61                                               | 5.317G         | 62   | 5.621G         | 63   | 5.368G         | 64   | 5.557G         |
| 65                                               | 5.722G         | 66   | 5.266G         | 67   | 5.363G         | 68   | 5.678G         |
| 69                                               | 5.305G         | 70   | 5.485G         | 71   | 5.352G         | 72   | 5.668G         |
| 73                                               | 5.720G         | 74   | 5.509G         | 75   | 5.403G         | 76   | 5.460G         |
| 77                                               | 5.351G         | 78   | 5.556G         | 79   | 5.259G         | 80   | 5.629G         |
| 81                                               | 5.454G         | 82   | 5.723G         | 83   | 5.291G         | 84   | 5.356G         |
| 85                                               | 5.496G         | 86   | 5.681G         | 87   | 5.376G         | 88   | 5.689G         |
| 89                                               | 5.461G         | 90   | 5.711G         | 91   | 5.381G         | 92   | 5.279G         |
| 93                                               | 5.267G         | 94   | 5.533G         | 95   | 5.367G         | 96   | 5.361G         |
| 97                                               | 5.468G         | 98   | 5.389G         | 99   | 5.261G         | 100  | 5.357G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.273G         | 2    | 5.275G         | 3    | 5.630G         | 4    | 5.277G         |
| 5                                                | 5.532G         | 6    | 5.396G         | 7    | 5.342G         | 8    | 5.379G         |
| 9                                                | 5.283G         | 10   | 5.475G         | 11   | 5.423G         | 12   | 5.571G         |
| 13                                               | 5.516G         | 14   | 5.382G         | 15   | 5.467G         | 16   | 5.429G         |
| 17                                               | 5.537G         | 18   | 5.386G         | 19   | 5.678G         | 20   | 5.544G         |
| 21                                               | 5.657G         | 22   | 5.527G         | 23   | 5.340G         | 24   | 5.470G         |
| 25                                               | 5.440G         | 26   | 5.332G         | 27   | 5.406G         | 28   | 5.373G         |
| 29                                               | 5.299G         | 30   | 5.385G         | 31   | 5.314G         | 32   | 5.255G         |
| 33                                               | 5.503G         | 34   | 5.507G         | 35   | 5.335G         | 36   | 5.476G         |
| 37                                               | 5.310G         | 38   | 5.383G         | 39   | 5.337G         | 40   | 5.518G         |
| 41                                               | 5.464G         | 42   | 5.674G         | 43   | 5.560G         | 44   | 5.322G         |
| 45                                               | 5.631G         | 46   | 5.446G         | 47   | 5.270G         | 48   | 5.708G         |
| 49                                               | 5.590G         | 50   | 5.365G         | 51   | 5.591G         | 52   | 5.706G         |
| 53                                               | 5.318G         | 54   | 5.402G         | 55   | 5.703G         | 56   | 5.662G         |
| 57                                               | 5.457G         | 58   | 5.414G         | 59   | 5.278G         | 60   | 5.308G         |
| 61                                               | 5.569G         | 62   | 5.407G         | 63   | 5.426G         | 64   | 5.376G         |
| 65                                               | 5.321G         | 66   | 5.384G         | 67   | 5.381G         | 68   | 5.542G         |
| 69                                               | 5.558G         | 70   | 5.472G         | 71   | 5.684G         | 72   | 5.553G         |
| 73                                               | 5.306G         | 74   | 5.401G         | 75   | 5.715G         | 76   | 5.458G         |
| 77                                               | 5.575G         | 78   | 5.654G         | 79   | 5.352G         | 80   | 5.671G         |
| 81                                               | 5.710G         | 82   | 5.479G         | 83   | 5.690G         | 84   | 5.297G         |
| 85                                               | 5.528G         | 86   | 5.276G         | 87   | 5.368G         | 88   | 5.585G         |
| 89                                               | 5.596G         | 90   | 5.353G         | 91   | 5.681G         | 92   | 5.442G         |
| 93                                               | 5.266G         | 94   | 5.268G         | 95   | 5.291G         | 96   | 5.615G         |
| 97                                               | 5.416G         | 98   | 5.699G         | 99   | 5.663G         | 100  | 5.293G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.706G         | 2    | 5.662G         | 3    | 5.360G         | 4    | 5.585G         |
| 5                                                | 5.609G         | 6    | 5.471G         | 7    | 5.569G         | 8    | 5.485G         |
| 9                                                | 5.292G         | 10   | 5.673G         | 11   | 5.486G         | 12   | 5.626G         |
| 13                                               | 5.430G         | 14   | 5.563G         | 15   | 5.659G         | 16   | 5.287G         |
| 17                                               | 5.687G         | 18   | 5.719G         | 19   | 5.616G         | 20   | 5.668G         |
| 21                                               | 5.621G         | 22   | 5.591G         | 23   | 5.329G         | 24   | 5.558G         |
| 25                                               | 5.540G         | 26   | 5.623G         | 27   | 5.393G         | 28   | 5.712G         |
| 29                                               | 5.689G         | 30   | 5.370G         | 31   | 5.451G         | 32   | 5.545G         |
| 33                                               | 5.448G         | 34   | 5.394G         | 35   | 5.588G         | 36   | 5.633G         |
| 37                                               | 5.561G         | 38   | 5.418G         | 39   | 5.522G         | 40   | 5.707G         |
| 41                                               | 5.480G         | 42   | 5.414G         | 43   | 5.491G         | 44   | 5.312G         |
| 45                                               | 5.704G         | 46   | 5.317G         | 47   | 5.291G         | 48   | 5.319G         |
| 49                                               | 5.321G         | 50   | 5.681G         | 51   | 5.273G         | 52   | 5.473G         |
| 53                                               | 5.547G         | 54   | 5.457G         | 55   | 5.404G         | 56   | 5.456G         |
| 57                                               | 5.296G         | 58   | 5.299G         | 59   | 5.358G         | 60   | 5.684G         |
| 61                                               | 5.705G         | 62   | 5.581G         | 63   | 5.355G         | 64   | 5.592G         |
| 65                                               | 5.575G         | 66   | 5.436G         | 67   | 5.284G         | 68   | 5.381G         |
| 69                                               | 5.542G         | 70   | 5.388G         | 71   | 5.267G         | 72   | 5.254G         |
| 73                                               | 5.643G         | 74   | 5.257G         | 75   | 5.618G         | 76   | 5.332G         |
| 77                                               | 5.560G         | 78   | 5.647G         | 79   | 5.362G         | 80   | 5.677G         |
| 81                                               | 5.670G         | 82   | 5.651G         | 83   | 5.656G         | 84   | 5.425G         |
| 85                                               | 5.584G         | 86   | 5.612G         | 87   | 5.379G         | 88   | 5.368G         |
| 89                                               | 5.600G         | 90   | 5.489G         | 91   | 5.657G         | 92   | 5.357G         |
| 93                                               | 5.263G         | 94   | 5.277G         | 95   | 5.583G         | 96   | 5.555G         |
| 97                                               | 5.307G         | 98   | 5.658G         | 99   | 5.286G         | 100  | 5.487G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.358G         | 2    | 5.423G         | 3    | 5.255G         | 4    | 5.380G         |
| 5                                                | 5.477G         | 6    | 5.387G         | 7    | 5.724G         | 8    | 5.629G         |
| 9                                                | 5.466G         | 10   | 5.254G         | 11   | 5.611G         | 12   | 5.379G         |
| 13                                               | 5.395G         | 14   | 5.702G         | 15   | 5.508G         | 16   | 5.543G         |
| 17                                               | 5.261G         | 18   | 5.360G         | 19   | 5.696G         | 20   | 5.411G         |
| 21                                               | 5.394G         | 22   | 5.460G         | 23   | 5.592G         | 24   | 5.528G         |
| 25                                               | 5.692G         | 26   | 5.449G         | 27   | 5.281G         | 28   | 5.285G         |
| 29                                               | 5.279G         | 30   | 5.558G         | 31   | 5.348G         | 32   | 5.496G         |
| 33                                               | 5.418G         | 34   | 5.647G         | 35   | 5.661G         | 36   | 5.517G         |
| 37                                               | 5.607G         | 38   | 5.359G         | 39   | 5.636G         | 40   | 5.650G         |
| 41                                               | 5.559G         | 42   | 5.642G         | 43   | 5.713G         | 44   | 5.274G         |
| 45                                               | 5.322G         | 46   | 5.604G         | 47   | 5.667G         | 48   | 5.674G         |
| 49                                               | 5.564G         | 50   | 5.414G         | 51   | 5.627G         | 52   | 5.489G         |
| 53                                               | 5.431G         | 54   | 5.298G         | 55   | 5.439G         | 56   | 5.353G         |
| 57                                               | 5.339G         | 58   | 5.398G         | 59   | 5.457G         | 60   | 5.497G         |
| 61                                               | 5.511G         | 62   | 5.390G         | 63   | 5.710G         | 64   | 5.407G         |
| 65                                               | 5.334G         | 66   | 5.609G         | 67   | 5.665G         | 68   | 5.263G         |
| 69                                               | 5.706G         | 70   | 5.259G         | 71   | 5.484G         | 72   | 5.479G         |
| 73                                               | 5.381G         | 74   | 5.693G         | 75   | 5.341G         | 76   | 5.351G         |
| 77                                               | 5.614G         | 78   | 5.566G         | 79   | 5.422G         | 80   | 5.475G         |
| 81                                               | 5.467G         | 82   | 5.386G         | 83   | 5.492G         | 84   | 5.705G         |
| 85                                               | 5.504G         | 86   | 5.399G         | 87   | 5.286G         | 88   | 5.610G         |
| 89                                               | 5.267G         | 90   | 5.670G         | 91   | 5.646G         | 92   | 5.265G         |
| 93                                               | 5.486G         | 94   | 5.635G         | 95   | 5.615G         | 96   | 5.608G         |
| 97                                               | 5.633G         | 98   | 5.514G         | 99   | 5.723G         | 100  | 5.372G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.597G         | 2    | 5.266G         | 3    | 5.337G         | 4    | 5.578G         |
| 5                                                | 5.512G         | 6    | 5.712G         | 7    | 5.553G         | 8    | 5.671G         |
| 9                                                | 5.628G         | 10   | 5.713G         | 11   | 5.392G         | 12   | 5.346G         |
| 13                                               | 5.681G         | 14   | 5.520G         | 15   | 5.356G         | 16   | 5.488G         |
| 17                                               | 5.257G         | 18   | 5.393G         | 19   | 5.458G         | 20   | 5.605G         |
| 21                                               | 5.297G         | 22   | 5.287G         | 23   | 5.637G         | 24   | 5.710G         |
| 25                                               | 5.505G         | 26   | 5.549G         | 27   | 5.455G         | 28   | 5.385G         |
| 29                                               | 5.344G         | 30   | 5.402G         | 31   | 5.534G         | 32   | 5.452G         |
| 33                                               | 5.404G         | 34   | 5.461G         | 35   | 5.363G         | 36   | 5.322G         |
| 37                                               | 5.309G         | 38   | 5.638G         | 39   | 5.299G         | 40   | 5.445G         |
| 41                                               | 5.368G         | 42   | 5.288G         | 43   | 5.624G         | 44   | 5.516G         |
| 45                                               | 5.298G         | 46   | 5.548G         | 47   | 5.694G         | 48   | 5.685G         |
| 49                                               | 5.716G         | 50   | 5.500G         | 51   | 5.618G         | 52   | 5.431G         |
| 53                                               | 5.286G         | 54   | 5.547G         | 55   | 5.328G         | 56   | 5.351G         |
| 57                                               | 5.595G         | 58   | 5.253G         | 59   | 5.723G         | 60   | 5.350G         |
| 61                                               | 5.613G         | 62   | 5.542G         | 63   | 5.325G         | 64   | 5.255G         |
| 65                                               | 5.433G         | 66   | 5.469G         | 67   | 5.539G         | 68   | 5.420G         |
| 69                                               | 5.487G         | 70   | 5.345G         | 71   | 5.634G         | 72   | 5.483G         |
| 73                                               | 5.606G         | 74   | 5.722G         | 75   | 5.399G         | 76   | 5.386G         |
| 77                                               | 5.342G         | 78   | 5.459G         | 79   | 5.689G         | 80   | 5.658G         |
| 81                                               | 5.599G         | 82   | 5.557G         | 83   | 5.478G         | 84   | 5.477G         |
| 85                                               | 5.603G         | 86   | 5.473G         | 87   | 5.410G         | 88   | 5.540G         |
| 89                                               | 5.446G         | 90   | 5.443G         | 91   | 5.623G         | 92   | 5.550G         |
| 93                                               | 5.616G         | 94   | 5.670G         | 95   | 5.376G         | 96   | 5.341G         |
| 97                                               | 5.412G         | 98   | 5.596G         | 99   | 5.693G         | 100  | 5.347G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.481G         | 2    | 5.267G         | 3    | 5.677G         | 4    | 5.358G         |
| 5                                                | 5.424G         | 6    | 5.457G         | 7    | 5.486G         | 8    | 5.285G         |
| 9                                                | 5.455G         | 10   | 5.632G         | 11   | 5.637G         | 12   | 5.679G         |
| 13                                               | 5.534G         | 14   | 5.651G         | 15   | 5.341G         | 16   | 5.376G         |
| 17                                               | 5.580G         | 18   | 5.705G         | 19   | 5.505G         | 20   | 5.438G         |
| 21                                               | 5.610G         | 22   | 5.606G         | 23   | 5.682G         | 24   | 5.578G         |
| 25                                               | 5.627G         | 26   | 5.674G         | 27   | 5.410G         | 28   | 5.370G         |
| 29                                               | 5.631G         | 30   | 5.475G         | 31   | 5.514G         | 32   | 5.694G         |
| 33                                               | 5.405G         | 34   | 5.555G         | 35   | 5.659G         | 36   | 5.420G         |
| 37                                               | 5.533G         | 38   | 5.575G         | 39   | 5.508G         | 40   | 5.266G         |
| 41                                               | 5.471G         | 42   | 5.657G         | 43   | 5.392G         | 44   | 5.339G         |
| 45                                               | 5.562G         | 46   | 5.348G         | 47   | 5.497G         | 48   | 5.278G         |
| 49                                               | 5.628G         | 50   | 5.643G         | 51   | 5.292G         | 52   | 5.528G         |
| 53                                               | 5.595G         | 54   | 5.450G         | 55   | 5.461G         | 56   | 5.387G         |
| 57                                               | 5.665G         | 58   | 5.257G         | 59   | 5.454G         | 60   | 5.301G         |
| 61                                               | 5.540G         | 62   | 5.571G         | 63   | 5.391G         | 64   | 5.568G         |
| 65                                               | 5.343G         | 66   | 5.347G         | 67   | 5.565G         | 68   | 5.718G         |
| 69                                               | 5.646G         | 70   | 5.488G         | 71   | 5.608G         | 72   | 5.710G         |
| 73                                               | 5.569G         | 74   | 5.377G         | 75   | 5.408G         | 76   | 5.572G         |
| 77                                               | 5.626G         | 78   | 5.666G         | 79   | 5.412G         | 80   | 5.284G         |
| 81                                               | 5.473G         | 82   | 5.459G         | 83   | 5.402G         | 84   | 5.416G         |
| 85                                               | 5.480G         | 86   | 5.525G         | 87   | 5.413G         | 88   | 5.519G         |
| 89                                               | 5.375G         | 90   | 5.602G         | 91   | 5.640G         | 92   | 5.478G         |
| 93                                               | 5.418G         | 94   | 5.653G         | 95   | 5.681G         | 96   | 5.421G         |
| 97                                               | 5.638G         | 98   | 5.714G         | 99   | 5.536G         | 100  | 5.673G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.585G         | 2    | 5.257G         | 3    | 5.621G         | 4    | 5.720G         |
| 5                                                | 5.611G         | 6    | 5.538G         | 7    | 5.556G         | 8    | 5.427G         |
| 9                                                | 5.657G         | 10   | 5.628G         | 11   | 5.508G         | 12   | 5.367G         |
| 13                                               | 5.291G         | 14   | 5.341G         | 15   | 5.300G         | 16   | 5.485G         |
| 17                                               | 5.630G         | 18   | 5.648G         | 19   | 5.697G         | 20   | 5.378G         |
| 21                                               | 5.386G         | 22   | 5.711G         | 23   | 5.584G         | 24   | 5.350G         |
| 25                                               | 5.365G         | 26   | 5.337G         | 27   | 5.501G         | 28   | 5.272G         |
| 29                                               | 5.463G         | 30   | 5.420G         | 31   | 5.668G         | 32   | 5.283G         |
| 33                                               | 5.323G         | 34   | 5.640G         | 35   | 5.629G         | 36   | 5.502G         |
| 37                                               | 5.612G         | 38   | 5.329G         | 39   | 5.469G         | 40   | 5.701G         |
| 41                                               | 5.588G         | 42   | 5.295G         | 43   | 5.418G         | 44   | 5.683G         |
| 45                                               | 5.315G         | 46   | 5.573G         | 47   | 5.517G         | 48   | 5.592G         |
| 49                                               | 5.387G         | 50   | 5.311G         | 51   | 5.595G         | 52   | 5.580G         |
| 53                                               | 5.445G         | 54   | 5.381G         | 55   | 5.318G         | 56   | 5.523G         |
| 57                                               | 5.271G         | 58   | 5.705G         | 59   | 5.712G         | 60   | 5.669G         |
| 61                                               | 5.715G         | 62   | 5.507G         | 63   | 5.623G         | 64   | 5.491G         |
| 65                                               | 5.515G         | 66   | 5.604G         | 67   | 5.267G         | 68   | 5.368G         |
| 69                                               | 5.625G         | 70   | 5.714G         | 71   | 5.581G         | 72   | 5.407G         |
| 73                                               | 5.665G         | 74   | 5.475G         | 75   | 5.616G         | 76   | 5.276G         |
| 77                                               | 5.474G         | 78   | 5.716G         | 79   | 5.423G         | 80   | 5.302G         |
| 81                                               | 5.410G         | 82   | 5.496G         | 83   | 5.471G         | 84   | 5.413G         |
| 85                                               | 5.339G         | 86   | 5.565G         | 87   | 5.266G         | 88   | 5.352G         |
| 89                                               | 5.521G         | 90   | 5.275G         | 91   | 5.652G         | 92   | 5.653G         |
| 93                                               | 5.601G         | 94   | 5.593G         | 95   | 5.681G         | 96   | 5.656G         |
| 97                                               | 5.476G         | 98   | 5.498G         | 99   | 5.348G         | 100  | 5.446G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.303G         | 2    | 5.525G         | 3    | 5.524G         | 4    | 5.392G         |
| 5                                                | 5.396G         | 6    | 5.518G         | 7    | 5.534G         | 8    | 5.685G         |
| 9                                                | 5.573G         | 10   | 5.406G         | 11   | 5.468G         | 12   | 5.389G         |
| 13                                               | 5.492G         | 14   | 5.341G         | 15   | 5.585G         | 16   | 5.540G         |
| 17                                               | 5.323G         | 18   | 5.653G         | 19   | 5.652G         | 20   | 5.269G         |
| 21                                               | 5.460G         | 22   | 5.387G         | 23   | 5.443G         | 24   | 5.424G         |
| 25                                               | 5.643G         | 26   | 5.678G         | 27   | 5.312G         | 28   | 5.526G         |
| 29                                               | 5.675G         | 30   | 5.626G         | 31   | 5.515G         | 32   | 5.668G         |
| 33                                               | 5.495G         | 34   | 5.611G         | 35   | 5.633G         | 36   | 5.408G         |
| 37                                               | 5.344G         | 38   | 5.305G         | 39   | 5.493G         | 40   | 5.623G         |
| 41                                               | 5.717G         | 42   | 5.411G         | 43   | 5.569G         | 44   | 5.516G         |
| 45                                               | 5.478G         | 46   | 5.538G         | 47   | 5.673G         | 48   | 5.255G         |
| 49                                               | 5.566G         | 50   | 5.340G         | 51   | 5.512G         | 52   | 5.463G         |
| 53                                               | 5.561G         | 54   | 5.661G         | 55   | 5.624G         | 56   | 5.713G         |
| 57                                               | 5.256G         | 58   | 5.533G         | 59   | 5.322G         | 60   | 5.503G         |
| 61                                               | 5.487G         | 62   | 5.394G         | 63   | 5.638G         | 64   | 5.436G         |
| 65                                               | 5.311G         | 66   | 5.635G         | 67   | 5.298G         | 68   | 5.284G         |
| 69                                               | 5.375G         | 70   | 5.336G         | 71   | 5.694G         | 72   | 5.456G         |
| 73                                               | 5.295G         | 74   | 5.577G         | 75   | 5.605G         | 76   | 5.625G         |
| 77                                               | 5.417G         | 78   | 5.592G         | 79   | 5.437G         | 80   | 5.627G         |
| 81                                               | 5.629G         | 82   | 5.388G         | 83   | 5.414G         | 84   | 5.264G         |
| 85                                               | 5.572G         | 86   | 5.701G         | 87   | 5.360G         | 88   | 5.508G         |
| 89                                               | 5.689G         | 90   | 5.266G         | 91   | 5.707G         | 92   | 5.543G         |
| 93                                               | 5.671G         | 94   | 5.632G         | 95   | 5.596G         | 96   | 5.407G         |
| 97                                               | 5.510G         | 98   | 5.612G         | 99   | 5.337G         | 100  | 5.576G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.320G         | 2    | 5.569G         | 3    | 5.430G         | 4    | 5.515G         |
| 5                                                | 5.378G         | 6    | 5.686G         | 7    | 5.418G         | 8    | 5.682G         |
| 9                                                | 5.367G         | 10   | 5.715G         | 11   | 5.444G         | 12   | 5.405G         |
| 13                                               | 5.695G         | 14   | 5.421G         | 15   | 5.574G         | 16   | 5.293G         |
| 17                                               | 5.266G         | 18   | 5.450G         | 19   | 5.462G         | 20   | 5.524G         |
| 21                                               | 5.499G         | 22   | 5.520G         | 23   | 5.455G         | 24   | 5.270G         |
| 25                                               | 5.345G         | 26   | 5.560G         | 27   | 5.466G         | 28   | 5.491G         |
| 29                                               | 5.498G         | 30   | 5.602G         | 31   | 5.274G         | 32   | 5.550G         |
| 33                                               | 5.393G         | 34   | 5.454G         | 35   | 5.268G         | 36   | 5.590G         |
| 37                                               | 5.608G         | 38   | 5.424G         | 39   | 5.600G         | 40   | 5.276G         |
| 41                                               | 5.305G         | 42   | 5.374G         | 43   | 5.588G         | 44   | 5.662G         |
| 45                                               | 5.541G         | 46   | 5.516G         | 47   | 5.463G         | 48   | 5.677G         |
| 49                                               | 5.555G         | 50   | 5.540G         | 51   | 5.649G         | 52   | 5.484G         |
| 53                                               | 5.639G         | 54   | 5.641G         | 55   | 5.655G         | 56   | 5.316G         |
| 57                                               | 5.678G         | 58   | 5.357G         | 59   | 5.547G         | 60   | 5.269G         |
| 61                                               | 5.397G         | 62   | 5.318G         | 63   | 5.302G         | 64   | 5.596G         |
| 65                                               | 5.411G         | 66   | 5.538G         | 67   | 5.568G         | 68   | 5.626G         |
| 69                                               | 5.694G         | 70   | 5.671G         | 71   | 5.323G         | 72   | 5.267G         |
| 73                                               | 5.693G         | 74   | 5.643G         | 75   | 5.443G         | 76   | 5.598G         |
| 77                                               | 5.502G         | 78   | 5.528G         | 79   | 5.341G         | 80   | 5.445G         |
| 81                                               | 5.691G         | 82   | 5.353G         | 83   | 5.368G         | 84   | 5.575G         |
| 85                                               | 5.344G         | 86   | 5.440G         | 87   | 5.489G         | 88   | 5.501G         |
| 89                                               | 5.292G         | 90   | 5.355G         | 91   | 5.534G         | 92   | 5.642G         |
| 93                                               | 5.423G         | 94   | 5.545G         | 95   | 5.470G         | 96   | 5.409G         |
| 97                                               | 5.425G         | 98   | 5.612G         | 99   | 5.651G         | 100  | 5.688G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.679G         | 2    | 5.438G         | 3    | 5.375G         | 4    | 5.447G         |
| 5                                                | 5.698G         | 6    | 5.642G         | 7    | 5.366G         | 8    | 5.662G         |
| 9                                                | 5.653G         | 10   | 5.250G         | 11   | 5.299G         | 12   | 5.427G         |
| 13                                               | 5.303G         | 14   | 5.277G         | 15   | 5.283G         | 16   | 5.574G         |
| 17                                               | 5.720G         | 18   | 5.279G         | 19   | 5.455G         | 20   | 5.470G         |
| 21                                               | 5.638G         | 22   | 5.639G         | 23   | 5.323G         | 24   | 5.643G         |
| 25                                               | 5.619G         | 26   | 5.575G         | 27   | 5.633G         | 28   | 5.710G         |
| 29                                               | 5.411G         | 30   | 5.645G         | 31   | 5.712G         | 32   | 5.510G         |
| 33                                               | 5.604G         | 34   | 5.680G         | 35   | 5.284G         | 36   | 5.357G         |
| 37                                               | 5.397G         | 38   | 5.322G         | 39   | 5.294G         | 40   | 5.681G         |
| 41                                               | 5.555G         | 42   | 5.523G         | 43   | 5.591G         | 44   | 5.593G         |
| 45                                               | 5.392G         | 46   | 5.342G         | 47   | 5.401G         | 48   | 5.255G         |
| 49                                               | 5.363G         | 50   | 5.345G         | 51   | 5.348G         | 52   | 5.281G         |
| 53                                               | 5.449G         | 54   | 5.319G         | 55   | 5.671G         | 56   | 5.498G         |
| 57                                               | 5.558G         | 58   | 5.350G         | 59   | 5.464G         | 60   | 5.405G         |
| 61                                               | 5.717G         | 62   | 5.317G         | 63   | 5.669G         | 64   | 5.526G         |
| 65                                               | 5.530G         | 66   | 5.597G         | 67   | 5.329G         | 68   | 5.508G         |
| 69                                               | 5.270G         | 70   | 5.552G         | 71   | 5.634G         | 72   | 5.355G         |
| 73                                               | 5.646G         | 74   | 5.461G         | 75   | 5.516G         | 76   | 5.380G         |
| 77                                               | 5.263G         | 78   | 5.387G         | 79   | 5.306G         | 80   | 5.341G         |
| 81                                               | 5.605G         | 82   | 5.606G         | 83   | 5.687G         | 84   | 5.637G         |
| 85                                               | 5.362G         | 86   | 5.325G         | 87   | 5.305G         | 88   | 5.326G         |
| 89                                               | 5.688G         | 90   | 5.390G         | 91   | 5.477G         | 92   | 5.567G         |
| 93                                               | 5.320G         | 94   | 5.651G         | 95   | 5.499G         | 96   | 5.721G         |
| 97                                               | 5.296G         | 98   | 5.410G         | 99   | 5.673G         | 100  | 5.586G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.426G         | 2    | 5.604G         | 3    | 5.396G         | 4    | 5.259G         |
| 5                                                | 5.410G         | 6    | 5.543G         | 7    | 5.666G         | 8    | 5.395G         |
| 9                                                | 5.569G         | 10   | 5.340G         | 11   | 5.348G         | 12   | 5.690G         |
| 13                                               | 5.679G         | 14   | 5.628G         | 15   | 5.515G         | 16   | 5.588G         |
| 17                                               | 5.436G         | 18   | 5.547G         | 19   | 5.555G         | 20   | 5.385G         |
| 21                                               | 5.456G         | 22   | 5.563G         | 23   | 5.499G         | 24   | 5.573G         |
| 25                                               | 5.526G         | 26   | 5.264G         | 27   | 5.521G         | 28   | 5.528G         |
| 29                                               | 5.334G         | 30   | 5.363G         | 31   | 5.470G         | 32   | 5.386G         |
| 33                                               | 5.275G         | 34   | 5.693G         | 35   | 5.493G         | 36   | 5.427G         |
| 37                                               | 5.665G         | 38   | 5.446G         | 39   | 5.681G         | 40   | 5.382G         |
| 41                                               | 5.336G         | 42   | 5.416G         | 43   | 5.447G         | 44   | 5.390G         |
| 45                                               | 5.278G         | 46   | 5.685G         | 47   | 5.263G         | 48   | 5.342G         |
| 49                                               | 5.345G         | 50   | 5.343G         | 51   | 5.497G         | 52   | 5.653G         |
| 53                                               | 5.417G         | 54   | 5.309G         | 55   | 5.509G         | 56   | 5.579G         |
| 57                                               | 5.441G         | 58   | 5.684G         | 59   | 5.397G         | 60   | 5.341G         |
| 61                                               | 5.372G         | 62   | 5.315G         | 63   | 5.554G         | 64   | 5.540G         |
| 65                                               | 5.546G         | 66   | 5.268G         | 67   | 5.299G         | 68   | 5.561G         |
| 69                                               | 5.317G         | 70   | 5.656G         | 71   | 5.318G         | 72   | 5.703G         |
| 73                                               | 5.516G         | 74   | 5.544G         | 75   | 5.454G         | 76   | 5.414G         |
| 77                                               | 5.273G         | 78   | 5.574G         | 79   | 5.535G         | 80   | 5.380G         |
| 81                                               | 5.457G         | 82   | 5.595G         | 83   | 5.548G         | 84   | 5.466G         |
| 85                                               | 5.672G         | 86   | 5.271G         | 87   | 5.486G         | 88   | 5.650G         |
| 89                                               | 5.490G         | 90   | 5.699G         | 91   | 5.381G         | 92   | 5.581G         |
| 93                                               | 5.276G         | 94   | 5.550G         | 95   | 5.487G         | 96   | 5.402G         |
| 97                                               | 5.257G         | 98   | 5.406G         | 99   | 5.323G         | 100  | 5.371G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.421G         | 2    | 5.452G         | 3    | 5.547G         | 4    | 5.598G         |
| 5                                                | 5.335G         | 6    | 5.378G         | 7    | 5.572G         | 8    | 5.279G         |
| 9                                                | 5.419G         | 10   | 5.605G         | 11   | 5.553G         | 12   | 5.461G         |
| 13                                               | 5.406G         | 14   | 5.397G         | 15   | 5.293G         | 16   | 5.401G         |
| 17                                               | 5.435G         | 18   | 5.596G         | 19   | 5.683G         | 20   | 5.352G         |
| 21                                               | 5.480G         | 22   | 5.416G         | 23   | 5.575G         | 24   | 5.543G         |
| 25                                               | 5.708G         | 26   | 5.449G         | 27   | 5.652G         | 28   | 5.372G         |
| 29                                               | 5.661G         | 30   | 5.483G         | 31   | 5.588G         | 32   | 5.315G         |
| 33                                               | 5.251G         | 34   | 5.611G         | 35   | 5.667G         | 36   | 5.264G         |
| 37                                               | 5.283G         | 38   | 5.339G         | 39   | 5.592G         | 40   | 5.363G         |
| 41                                               | 5.629G         | 42   | 5.594G         | 43   | 5.518G         | 44   | 5.674G         |
| 45                                               | 5.573G         | 46   | 5.531G         | 47   | 5.323G         | 48   | 5.405G         |
| 49                                               | 5.353G         | 50   | 5.617G         | 51   | 5.468G         | 52   | 5.671G         |
| 53                                               | 5.695G         | 54   | 5.269G         | 55   | 5.515G         | 56   | 5.580G         |
| 57                                               | 5.649G         | 58   | 5.673G         | 59   | 5.299G         | 60   | 5.644G         |
| 61                                               | 5.509G         | 62   | 5.650G         | 63   | 5.500G         | 64   | 5.467G         |
| 65                                               | 5.344G         | 66   | 5.614G         | 67   | 5.538G         | 68   | 5.622G         |
| 69                                               | 5.645G         | 70   | 5.721G         | 71   | 5.368G         | 72   | 5.627G         |
| 73                                               | 5.260G         | 74   | 5.620G         | 75   | 5.601G         | 76   | 5.356G         |
| 77                                               | 5.413G         | 78   | 5.340G         | 79   | 5.451G         | 80   | 5.697G         |
| 81                                               | 5.643G         | 82   | 5.519G         | 83   | 5.444G         | 84   | 5.578G         |
| 85                                               | 5.624G         | 86   | 5.556G         | 87   | 5.551G         | 88   | 5.355G         |
| 89                                               | 5.677G         | 90   | 5.439G         | 91   | 5.548G         | 92   | 5.338G         |
| 93                                               | 5.277G         | 94   | 5.387G         | 95   | 5.252G         | 96   | 5.311G         |
| 97                                               | 5.651G         | 98   | 5.599G         | 99   | 5.574G         | 100  | 5.600G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.487G         | 2    | 5.444G         | 3    | 5.562G         | 4    | 5.715G         |
| 5                                                | 5.662G         | 6    | 5.308G         | 7    | 5.379G         | 8    | 5.453G         |
| 9                                                | 5.368G         | 10   | 5.629G         | 11   | 5.514G         | 12   | 5.329G         |
| 13                                               | 5.538G         | 14   | 5.356G         | 15   | 5.588G         | 16   | 5.391G         |
| 17                                               | 5.413G         | 18   | 5.700G         | 19   | 5.381G         | 20   | 5.618G         |
| 21                                               | 5.455G         | 22   | 5.558G         | 23   | 5.352G         | 24   | 5.582G         |
| 25                                               | 5.283G         | 26   | 5.709G         | 27   | 5.542G         | 28   | 5.394G         |
| 29                                               | 5.663G         | 30   | 5.689G         | 31   | 5.288G         | 32   | 5.262G         |
| 33                                               | 5.370G         | 34   | 5.371G         | 35   | 5.577G         | 36   | 5.702G         |
| 37                                               | 5.299G         | 38   | 5.465G         | 39   | 5.325G         | 40   | 5.503G         |
| 41                                               | 5.312G         | 42   | 5.549G         | 43   | 5.451G         | 44   | 5.314G         |
| 45                                               | 5.319G         | 46   | 5.274G         | 47   | 5.682G         | 48   | 5.388G         |
| 49                                               | 5.546G         | 50   | 5.513G         | 51   | 5.474G         | 52   | 5.713G         |
| 53                                               | 5.260G         | 54   | 5.251G         | 55   | 5.722G         | 56   | 5.408G         |
| 57                                               | 5.625G         | 58   | 5.392G         | 59   | 5.418G         | 60   | 5.389G         |
| 61                                               | 5.492G         | 62   | 5.668G         | 63   | 5.697G         | 64   | 5.482G         |
| 65                                               | 5.300G         | 66   | 5.647G         | 67   | 5.599G         | 68   | 5.494G         |
| 69                                               | 5.571G         | 70   | 5.348G         | 71   | 5.460G         | 72   | 5.716G         |
| 73                                               | 5.551G         | 74   | 5.327G         | 75   | 5.366G         | 76   | 5.509G         |
| 77                                               | 5.600G         | 78   | 5.406G         | 79   | 5.622G         | 80   | 5.495G         |
| 81                                               | 5.712G         | 82   | 5.404G         | 83   | 5.421G         | 84   | 5.464G         |
| 85                                               | 5.393G         | 86   | 5.470G         | 87   | 5.676G         | 88   | 5.617G         |
| 89                                               | 5.594G         | 90   | 5.637G         | 91   | 5.425G         | 92   | 5.691G         |
| 93                                               | 5.278G         | 94   | 5.410G         | 95   | 5.486G         | 96   | 5.632G         |
| 97                                               | 5.653G         | 98   | 5.400G         | 99   | 5.572G         | 100  | 5.426G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.329G         | 2    | 5.351G         | 3    | 5.639G         | 4    | 5.713G         |
| 5                                                | 5.256G         | 6    | 5.715G         | 7    | 5.672G         | 8    | 5.430G         |
| 9                                                | 5.291G         | 10   | 5.665G         | 11   | 5.459G         | 12   | 5.427G         |
| 13                                               | 5.693G         | 14   | 5.462G         | 15   | 5.571G         | 16   | 5.573G         |
| 17                                               | 5.474G         | 18   | 5.262G         | 19   | 5.596G         | 20   | 5.287G         |
| 21                                               | 5.327G         | 22   | 5.341G         | 23   | 5.326G         | 24   | 5.701G         |
| 25                                               | 5.457G         | 26   | 5.576G         | 27   | 5.681G         | 28   | 5.620G         |
| 29                                               | 5.325G         | 30   | 5.671G         | 31   | 5.543G         | 32   | 5.720G         |
| 33                                               | 5.521G         | 34   | 5.360G         | 35   | 5.485G         | 36   | 5.509G         |
| 37                                               | 5.408G         | 38   | 5.334G         | 39   | 5.555G         | 40   | 5.315G         |
| 41                                               | 5.417G         | 42   | 5.694G         | 43   | 5.623G         | 44   | 5.654G         |
| 45                                               | 5.253G         | 46   | 5.499G         | 47   | 5.544G         | 48   | 5.293G         |
| 49                                               | 5.708G         | 50   | 5.372G         | 51   | 5.366G         | 52   | 5.520G         |
| 53                                               | 5.302G         | 54   | 5.711G         | 55   | 5.590G         | 56   | 5.477G         |
| 57                                               | 5.349G         | 58   | 5.712G         | 59   | 5.305G         | 60   | 5.281G         |
| 61                                               | 5.383G         | 62   | 5.467G         | 63   | 5.397G         | 64   | 5.388G         |
| 65                                               | 5.527G         | 66   | 5.540G         | 67   | 5.651G         | 68   | 5.511G         |
| 69                                               | 5.386G         | 70   | 5.370G         | 71   | 5.580G         | 72   | 5.517G         |
| 73                                               | 5.684G         | 74   | 5.519G         | 75   | 5.435G         | 76   | 5.444G         |
| 77                                               | 5.535G         | 78   | 5.298G         | 79   | 5.699G         | 80   | 5.554G         |
| 81                                               | 5.514G         | 82   | 5.319G         | 83   | 5.473G         | 84   | 5.348G         |
| 85                                               | 5.705G         | 86   | 5.594G         | 87   | 5.323G         | 88   | 5.484G         |
| 89                                               | 5.506G         | 90   | 5.714G         | 91   | 5.411G         | 92   | 5.359G         |
| 93                                               | 5.421G         | 94   | 5.487G         | 95   | 5.258G         | 96   | 5.312G         |
| 97                                               | 5.491G         | 98   | 5.269G         | 99   | 5.320G         | 100  | 5.641G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.288G         | 2    | 5.291G         | 3    | 5.457G         | 4    | 5.252G         |
| 5                                                | 5.596G         | 6    | 5.598G         | 7    | 5.306G         | 8    | 5.434G         |
| 9                                                | 5.633G         | 10   | 5.625G         | 11   | 5.374G         | 12   | 5.477G         |
| 13                                               | 5.684G         | 14   | 5.272G         | 15   | 5.664G         | 16   | 5.441G         |
| 17                                               | 5.399G         | 18   | 5.586G         | 19   | 5.261G         | 20   | 5.656G         |
| 21                                               | 5.621G         | 22   | 5.373G         | 23   | 5.280G         | 24   | 5.376G         |
| 25                                               | 5.349G         | 26   | 5.530G         | 27   | 5.632G         | 28   | 5.348G         |
| 29                                               | 5.333G         | 30   | 5.618G         | 31   | 5.391G         | 32   | 5.283G         |
| 33                                               | 5.265G         | 34   | 5.273G         | 35   | 5.594G         | 36   | 5.440G         |
| 37                                               | 5.548G         | 38   | 5.651G         | 39   | 5.724G         | 40   | 5.584G         |
| 41                                               | 5.676G         | 42   | 5.682G         | 43   | 5.506G         | 44   | 5.294G         |
| 45                                               | 5.679G         | 46   | 5.323G         | 47   | 5.649G         | 48   | 5.497G         |
| 49                                               | 5.361G         | 50   | 5.337G         | 51   | 5.286G         | 52   | 5.268G         |
| 53                                               | 5.524G         | 54   | 5.513G         | 55   | 5.257G         | 56   | 5.300G         |
| 57                                               | 5.697G         | 58   | 5.504G         | 59   | 5.492G         | 60   | 5.607G         |
| 61                                               | 5.525G         | 62   | 5.377G         | 63   | 5.432G         | 64   | 5.310G         |
| 65                                               | 5.320G         | 66   | 5.661G         | 67   | 5.250G         | 68   | 5.493G         |
| 69                                               | 5.593G         | 70   | 5.346G         | 71   | 5.456G         | 72   | 5.307G         |
| 73                                               | 5.368G         | 74   | 5.281G         | 75   | 5.636G         | 76   | 5.382G         |
| 77                                               | 5.540G         | 78   | 5.538G         | 79   | 5.502G         | 80   | 5.573G         |
| 81                                               | 5.692G         | 82   | 5.445G         | 83   | 5.590G         | 84   | 5.370G         |
| 85                                               | 5.570G         | 86   | 5.439G         | 87   | 5.654G         | 88   | 5.443G         |
| 89                                               | 5.352G         | 90   | 5.581G         | 91   | 5.295G         | 92   | 5.681G         |
| 93                                               | 5.322G         | 94   | 5.680G         | 95   | 5.327G         | 96   | 5.561G         |
| 97                                               | 5.345G         | 98   | 5.550G         | 99   | 5.356G         | 100  | 5.609G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.269G         | 2    | 5.285G         | 3    | 5.400G         | 4    | 5.637G         |
| 5                                                | 5.564G         | 6    | 5.523G         | 7    | 5.255G         | 8    | 5.461G         |
| 9                                                | 5.563G         | 10   | 5.552G         | 11   | 5.625G         | 12   | 5.421G         |
| 13                                               | 5.531G         | 14   | 5.695G         | 15   | 5.271G         | 16   | 5.590G         |
| 17                                               | 5.484G         | 18   | 5.456G         | 19   | 5.352G         | 20   | 5.409G         |
| 21                                               | 5.672G         | 22   | 5.459G         | 23   | 5.292G         | 24   | 5.359G         |
| 25                                               | 5.486G         | 26   | 5.422G         | 27   | 5.650G         | 28   | 5.407G         |
| 29                                               | 5.633G         | 30   | 5.532G         | 31   | 5.720G         | 32   | 5.493G         |
| 33                                               | 5.357G         | 34   | 5.439G         | 35   | 5.472G         | 36   | 5.628G         |
| 37                                               | 5.442G         | 38   | 5.668G         | 39   | 5.343G         | 40   | 5.638G         |
| 41                                               | 5.466G         | 42   | 5.470G         | 43   | 5.585G         | 44   | 5.611G         |
| 45                                               | 5.471G         | 46   | 5.524G         | 47   | 5.307G         | 48   | 5.441G         |
| 49                                               | 5.398G         | 50   | 5.529G         | 51   | 5.545G         | 52   | 5.325G         |
| 53                                               | 5.641G         | 54   | 5.688G         | 55   | 5.657G         | 56   | 5.429G         |
| 57                                               | 5.302G         | 58   | 5.719G         | 59   | 5.687G         | 60   | 5.494G         |
| 61                                               | 5.328G         | 62   | 5.397G         | 63   | 5.475G         | 64   | 5.626G         |
| 65                                               | 5.693G         | 66   | 5.265G         | 67   | 5.608G         | 68   | 5.337G         |
| 69                                               | 5.485G         | 70   | 5.703G         | 71   | 5.554G         | 72   | 5.294G         |
| 73                                               | 5.505G         | 74   | 5.314G         | 75   | 5.324G         | 76   | 5.405G         |
| 77                                               | 5.355G         | 78   | 5.389G         | 79   | 5.649G         | 80   | 5.620G         |
| 81                                               | 5.259G         | 82   | 5.566G         | 83   | 5.645G         | 84   | 5.701G         |
| 85                                               | 5.510G         | 86   | 5.370G         | 87   | 5.539G         | 88   | 5.423G         |
| 89                                               | 5.342G         | 90   | 5.609G         | 91   | 5.384G         | 92   | 5.629G         |
| 93                                               | 5.369G         | 94   | 5.613G         | 95   | 5.718G         | 96   | 5.381G         |
| 97                                               | 5.424G         | 98   | 5.578G         | 99   | 5.568G         | 100  | 5.427G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.576G         | 2    | 5.614G         | 3    | 5.255G         | 4    | 5.381G         |
| 5                                                | 5.450G         | 6    | 5.715G         | 7    | 5.545G         | 8    | 5.517G         |
| 9                                                | 5.647G         | 10   | 5.317G         | 11   | 5.546G         | 12   | 5.375G         |
| 13                                               | 5.530G         | 14   | 5.439G         | 15   | 5.344G         | 16   | 5.541G         |
| 17                                               | 5.323G         | 18   | 5.513G         | 19   | 5.480G         | 20   | 5.586G         |
| 21                                               | 5.300G         | 22   | 5.565G         | 23   | 5.341G         | 24   | 5.472G         |
| 25                                               | 5.283G         | 26   | 5.524G         | 27   | 5.307G         | 28   | 5.284G         |
| 29                                               | 5.388G         | 30   | 5.583G         | 31   | 5.663G         | 32   | 5.332G         |
| 33                                               | 5.484G         | 34   | 5.362G         | 35   | 5.658G         | 36   | 5.295G         |
| 37                                               | 5.446G         | 38   | 5.491G         | 39   | 5.441G         | 40   | 5.570G         |
| 41                                               | 5.351G         | 42   | 5.533G         | 43   | 5.349G         | 44   | 5.655G         |
| 45                                               | 5.563G         | 46   | 5.638G         | 47   | 5.613G         | 48   | 5.646G         |
| 49                                               | 5.285G         | 50   | 5.696G         | 51   | 5.417G         | 52   | 5.358G         |
| 53                                               | 5.703G         | 54   | 5.669G         | 55   | 5.662G         | 56   | 5.713G         |
| 57                                               | 5.335G         | 58   | 5.321G         | 59   | 5.438G         | 60   | 5.355G         |
| 61                                               | 5.628G         | 62   | 5.412G         | 63   | 5.700G         | 64   | 5.674G         |
| 65                                               | 5.536G         | 66   | 5.334G         | 67   | 5.626G         | 68   | 5.465G         |
| 69                                               | 5.310G         | 70   | 5.518G         | 71   | 5.282G         | 72   | 5.551G         |
| 73                                               | 5.585G         | 74   | 5.548G         | 75   | 5.680G         | 76   | 5.376G         |
| 77                                               | 5.338G         | 78   | 5.440G         | 79   | 5.266G         | 80   | 5.648G         |
| 81                                               | 5.516G         | 82   | 5.468G         | 83   | 5.644G         | 84   | 5.414G         |
| 85                                               | 5.579G         | 86   | 5.393G         | 87   | 5.643G         | 88   | 5.537G         |
| 89                                               | 5.487G         | 90   | 5.592G         | 91   | 5.590G         | 92   | 5.423G         |
| 93                                               | 5.430G         | 94   | 5.288G         | 95   | 5.387G         | 96   | 5.636G         |
| 97                                               | 5.456G         | 98   | 5.508G         | 99   | 5.359G         | 100  | 5.425G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.650G         | 2    | 5.457G         | 3    | 5.366G         | 4    | 5.672G         |
| 5                                                | 5.654G         | 6    | 5.255G         | 7    | 5.381G         | 8    | 5.432G         |
| 9                                                | 5.701G         | 10   | 5.639G         | 11   | 5.310G         | 12   | 5.598G         |
| 13                                               | 5.405G         | 14   | 5.576G         | 15   | 5.464G         | 16   | 5.529G         |
| 17                                               | 5.659G         | 18   | 5.278G         | 19   | 5.251G         | 20   | 5.525G         |
| 21                                               | 5.530G         | 22   | 5.528G         | 23   | 5.567G         | 24   | 5.486G         |
| 25                                               | 5.394G         | 26   | 5.690G         | 27   | 5.713G         | 28   | 5.315G         |
| 29                                               | 5.533G         | 30   | 5.614G         | 31   | 5.623G         | 32   | 5.395G         |
| 33                                               | 5.620G         | 34   | 5.308G         | 35   | 5.379G         | 36   | 5.281G         |
| 37                                               | 5.677G         | 38   | 5.304G         | 39   | 5.537G         | 40   | 5.364G         |
| 41                                               | 5.352G         | 42   | 5.339G         | 43   | 5.284G         | 44   | 5.456G         |
| 45                                               | 5.626G         | 46   | 5.632G         | 47   | 5.287G         | 48   | 5.592G         |
| 49                                               | 5.452G         | 50   | 5.470G         | 51   | 5.329G         | 52   | 5.388G         |
| 53                                               | 5.356G         | 54   | 5.585G         | 55   | 5.593G         | 56   | 5.283G         |
| 57                                               | 5.603G         | 58   | 5.361G         | 59   | 5.408G         | 60   | 5.717G         |
| 61                                               | 5.404G         | 62   | 5.298G         | 63   | 5.347G         | 64   | 5.332G         |
| 65                                               | 5.412G         | 66   | 5.697G         | 67   | 5.674G         | 68   | 5.263G         |
| 69                                               | 5.499G         | 70   | 5.372G         | 71   | 5.676G         | 72   | 5.609G         |
| 73                                               | 5.619G         | 74   | 5.468G         | 75   | 5.692G         | 76   | 5.577G         |
| 77                                               | 5.578G         | 78   | 5.268G         | 79   | 5.428G         | 80   | 5.552G         |
| 81                                               | 5.413G         | 82   | 5.482G         | 83   | 5.579G         | 84   | 5.662G         |
| 85                                               | 5.621G         | 86   | 5.572G         | 87   | 5.682G         | 88   | 5.625G         |
| 89                                               | 5.644G         | 90   | 5.279G         | 91   | 5.253G         | 92   | 5.652G         |
| 93                                               | 5.678G         | 94   | 5.360G         | 95   | 5.627G         | 96   | 5.270G         |
| 97                                               | 5.721G         | 98   | 5.261G         | 99   | 5.497G         | 100  | 5.441G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.564G         | 2    | 5.702G         | 3    | 5.585G         | 4    | 5.465G         |
| 5                                                | 5.407G         | 6    | 5.670G         | 7    | 5.522G         | 8    | 5.466G         |
| 9                                                | 5.628G         | 10   | 5.659G         | 11   | 5.485G         | 12   | 5.704G         |
| 13                                               | 5.640G         | 14   | 5.367G         | 15   | 5.510G         | 16   | 5.722G         |
| 17                                               | 5.412G         | 18   | 5.355G         | 19   | 5.430G         | 20   | 5.549G         |
| 21                                               | 5.361G         | 22   | 5.329G         | 23   | 5.389G         | 24   | 5.587G         |
| 25                                               | 5.621G         | 26   | 5.720G         | 27   | 5.451G         | 28   | 5.320G         |
| 29                                               | 5.321G         | 30   | 5.424G         | 31   | 5.508G         | 32   | 5.618G         |
| 33                                               | 5.278G         | 34   | 5.556G         | 35   | 5.387G         | 36   | 5.374G         |
| 37                                               | 5.562G         | 38   | 5.553G         | 39   | 5.470G         | 40   | 5.276G         |
| 41                                               | 5.457G         | 42   | 5.439G         | 43   | 5.711G         | 44   | 5.518G         |
| 45                                               | 5.458G         | 46   | 5.513G         | 47   | 5.500G         | 48   | 5.376G         |
| 49                                               | 5.402G         | 50   | 5.447G         | 51   | 5.669G         | 52   | 5.524G         |
| 53                                               | 5.400G         | 54   | 5.515G         | 55   | 5.625G         | 56   | 5.652G         |
| 57                                               | 5.449G         | 58   | 5.301G         | 59   | 5.484G         | 60   | 5.529G         |
| 61                                               | 5.541G         | 62   | 5.333G         | 63   | 5.255G         | 64   | 5.354G         |
| 65                                               | 5.695G         | 66   | 5.365G         | 67   | 5.701G         | 68   | 5.494G         |
| 69                                               | 5.646G         | 70   | 5.454G         | 71   | 5.613G         | 72   | 5.721G         |
| 73                                               | 5.595G         | 74   | 5.688G         | 75   | 5.690G         | 76   | 5.487G         |
| 77                                               | 5.415G         | 78   | 5.428G         | 79   | 5.548G         | 80   | 5.591G         |
| 81                                               | 5.277G         | 82   | 5.496G         | 83   | 5.323G         | 84   | 5.302G         |
| 85                                               | 5.719G         | 86   | 5.298G         | 87   | 5.299G         | 88   | 5.614G         |
| 89                                               | 5.405G         | 90   | 5.497G         | 91   | 5.563G         | 92   | 5.291G         |
| 93                                               | 5.724G         | 94   | 5.483G         | 95   | 5.271G         | 96   | 5.297G         |
| 97                                               | 5.559G         | 98   | 5.311G         | 99   | 5.426G         | 100  | 5.360G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.336G         | 2    | 5.277G         | 3    | 5.619G         | 4    | 5.303G         |
| 5                                                | 5.685G         | 6    | 5.545G         | 7    | 5.356G         | 8    | 5.341G         |
| 9                                                | 5.471G         | 10   | 5.533G         | 11   | 5.724G         | 12   | 5.716G         |
| 13                                               | 5.267G         | 14   | 5.495G         | 15   | 5.253G         | 16   | 5.460G         |
| 17                                               | 5.600G         | 18   | 5.279G         | 19   | 5.333G         | 20   | 5.335G         |
| 21                                               | 5.566G         | 22   | 5.384G         | 23   | 5.718G         | 24   | 5.616G         |
| 25                                               | 5.598G         | 26   | 5.588G         | 27   | 5.722G         | 28   | 5.591G         |
| 29                                               | 5.621G         | 30   | 5.475G         | 31   | 5.366G         | 32   | 5.692G         |
| 33                                               | 5.681G         | 34   | 5.306G         | 35   | 5.595G         | 36   | 5.594G         |
| 37                                               | 5.673G         | 38   | 5.291G         | 39   | 5.400G         | 40   | 5.269G         |
| 41                                               | 5.426G         | 42   | 5.491G         | 43   | 5.281G         | 44   | 5.395G         |
| 45                                               | 5.515G         | 46   | 5.288G         | 47   | 5.519G         | 48   | 5.334G         |
| 49                                               | 5.711G         | 50   | 5.550G         | 51   | 5.464G         | 52   | 5.525G         |
| 53                                               | 5.377G         | 54   | 5.265G         | 55   | 5.452G         | 56   | 5.596G         |
| 57                                               | 5.297G         | 58   | 5.305G         | 59   | 5.565G         | 60   | 5.579G         |
| 61                                               | 5.345G         | 62   | 5.703G         | 63   | 5.719G         | 64   | 5.298G         |
| 65                                               | 5.541G         | 66   | 5.456G         | 67   | 5.282G         | 68   | 5.645G         |
| 69                                               | 5.421G         | 70   | 5.357G         | 71   | 5.351G         | 72   | 5.431G         |
| 73                                               | 5.674G         | 74   | 5.449G         | 75   | 5.576G         | 76   | 5.539G         |
| 77                                               | 5.264G         | 78   | 5.257G         | 79   | 5.439G         | 80   | 5.562G         |
| 81                                               | 5.493G         | 82   | 5.642G         | 83   | 5.668G         | 84   | 5.477G         |
| 85                                               | 5.450G         | 86   | 5.311G         | 87   | 5.544G         | 88   | 5.707G         |
| 89                                               | 5.402G         | 90   | 5.567G         | 91   | 5.442G         | 92   | 5.343G         |
| 93                                               | 5.720G         | 94   | 5.397G         | 95   | 5.665G         | 96   | 5.582G         |
| 97                                               | 5.405G         | 98   | 5.467G         | 99   | 5.444G         | 100  | 5.693G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.474G         | 2    | 5.271G         | 3    | 5.495G         | 4    | 5.592G         |
| 5                                                | 5.560G         | 6    | 5.447G         | 7    | 5.713G         | 8    | 5.561G         |
| 9                                                | 5.389G         | 10   | 5.526G         | 11   | 5.400G         | 12   | 5.715G         |
| 13                                               | 5.672G         | 14   | 5.388G         | 15   | 5.450G         | 16   | 5.325G         |
| 17                                               | 5.706G         | 18   | 5.556G         | 19   | 5.621G         | 20   | 5.522G         |
| 21                                               | 5.532G         | 22   | 5.357G         | 23   | 5.587G         | 24   | 5.258G         |
| 25                                               | 5.435G         | 26   | 5.329G         | 27   | 5.716G         | 28   | 5.571G         |
| 29                                               | 5.344G         | 30   | 5.250G         | 31   | 5.649G         | 32   | 5.639G         |
| 33                                               | 5.611G         | 34   | 5.466G         | 35   | 5.612G         | 36   | 5.274G         |
| 37                                               | 5.263G         | 38   | 5.539G         | 39   | 5.434G         | 40   | 5.645G         |
| 41                                               | 5.615G         | 42   | 5.572G         | 43   | 5.574G         | 44   | 5.549G         |
| 45                                               | 5.420G         | 46   | 5.646G         | 47   | 5.501G         | 48   | 5.402G         |
| 49                                               | 5.453G         | 50   | 5.320G         | 51   | 5.674G         | 52   | 5.491G         |
| 53                                               | 5.683G         | 54   | 5.700G         | 55   | 5.607G         | 56   | 5.441G         |
| 57                                               | 5.625G         | 58   | 5.464G         | 59   | 5.699G         | 60   | 5.490G         |
| 61                                               | 5.265G         | 62   | 5.719G         | 63   | 5.470G         | 64   | 5.494G         |
| 65                                               | 5.302G         | 66   | 5.391G         | 67   | 5.541G         | 68   | 5.641G         |
| 69                                               | 5.338G         | 70   | 5.722G         | 71   | 5.475G         | 72   | 5.295G         |
| 73                                               | 5.352G         | 74   | 5.692G         | 75   | 5.583G         | 76   | 5.529G         |
| 77                                               | 5.665G         | 78   | 5.603G         | 79   | 5.423G         | 80   | 5.465G         |
| 81                                               | 5.487G         | 82   | 5.415G         | 83   | 5.381G         | 84   | 5.354G         |
| 85                                               | 5.624G         | 86   | 5.502G         | 87   | 5.533G         | 88   | 5.688G         |
| 89                                               | 5.375G         | 90   | 5.272G         | 91   | 5.622G         | 92   | 5.437G         |
| 93                                               | 5.499G         | 94   | 5.714G         | 95   | 5.578G         | 96   | 5.576G         |
| 97                                               | 5.278G         | 98   | 5.513G         | 99   | 5.419G         | 100  | 5.383G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.668G         | 2    | 5.412G         | 3    | 5.577G         | 4    | 5.421G         |
| 5                                                | 5.372G         | 6    | 5.376G         | 7    | 5.363G         | 8    | 5.645G         |
| 9                                                | 5.696G         | 10   | 5.596G         | 11   | 5.650G         | 12   | 5.587G         |
| 13                                               | 5.306G         | 14   | 5.691G         | 15   | 5.341G         | 16   | 5.256G         |
| 17                                               | 5.399G         | 18   | 5.429G         | 19   | 5.392G         | 20   | 5.632G         |
| 21                                               | 5.263G         | 22   | 5.466G         | 23   | 5.567G         | 24   | 5.265G         |
| 25                                               | 5.522G         | 26   | 5.661G         | 27   | 5.700G         | 28   | 5.511G         |
| 29                                               | 5.536G         | 30   | 5.326G         | 31   | 5.709G         | 32   | 5.695G         |
| 33                                               | 5.669G         | 34   | 5.523G         | 35   | 5.582G         | 36   | 5.580G         |
| 37                                               | 5.550G         | 38   | 5.277G         | 39   | 5.285G         | 40   | 5.557G         |
| 41                                               | 5.574G         | 42   | 5.461G         | 43   | 5.425G         | 44   | 5.551G         |
| 45                                               | 5.608G         | 46   | 5.261G         | 47   | 5.317G         | 48   | 5.260G         |
| 49                                               | 5.439G         | 50   | 5.562G         | 51   | 5.324G         | 52   | 5.414G         |
| 53                                               | 5.527G         | 54   | 5.497G         | 55   | 5.686G         | 56   | 5.259G         |
| 57                                               | 5.664G         | 58   | 5.590G         | 59   | 5.478G         | 60   | 5.404G         |
| 61                                               | 5.589G         | 62   | 5.607G         | 63   | 5.481G         | 64   | 5.689G         |
| 65                                               | 5.389G         | 66   | 5.640G         | 67   | 5.720G         | 68   | 5.697G         |
| 69                                               | 5.402G         | 70   | 5.452G         | 71   | 5.313G         | 72   | 5.717G         |
| 73                                               | 5.257G         | 74   | 5.287G         | 75   | 5.534G         | 76   | 5.553G         |
| 77                                               | 5.304G         | 78   | 5.684G         | 79   | 5.374G         | 80   | 5.390G         |
| 81                                               | 5.441G         | 82   | 5.506G         | 83   | 5.444G         | 84   | 5.329G         |
| 85                                               | 5.250G         | 86   | 5.503G         | 87   | 5.588G         | 88   | 5.442G         |
| 89                                               | 5.611G         | 90   | 5.561G         | 91   | 5.406G         | 92   | 5.663G         |
| 93                                               | 5.297G         | 94   | 5.619G         | 95   | 5.405G         | 96   | 5.677G         |
| 97                                               | 5.501G         | 98   | 5.508G         | 99   | 5.262G         | 100  | 5.474G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.307G         | 2    | 5.649G         | 3    | 5.482G         | 4    | 5.315G         |
| 5                                                | 5.443G         | 6    | 5.285G         | 7    | 5.390G         | 8    | 5.326G         |
| 9                                                | 5.654G         | 10   | 5.581G         | 11   | 5.263G         | 12   | 5.687G         |
| 13                                               | 5.679G         | 14   | 5.486G         | 15   | 5.279G         | 16   | 5.680G         |
| 17                                               | 5.387G         | 18   | 5.608G         | 19   | 5.487G         | 20   | 5.724G         |
| 21                                               | 5.683G         | 22   | 5.430G         | 23   | 5.436G         | 24   | 5.320G         |
| 25                                               | 5.281G         | 26   | 5.257G         | 27   | 5.539G         | 28   | 5.255G         |
| 29                                               | 5.622G         | 30   | 5.359G         | 31   | 5.251G         | 32   | 5.418G         |
| 33                                               | 5.456G         | 34   | 5.569G         | 35   | 5.628G         | 36   | 5.643G         |
| 37                                               | 5.301G         | 38   | 5.488G         | 39   | 5.338G         | 40   | 5.584G         |
| 41                                               | 5.685G         | 42   | 5.503G         | 43   | 5.411G         | 44   | 5.697G         |
| 45                                               | 5.574G         | 46   | 5.558G         | 47   | 5.468G         | 48   | 5.355G         |
| 49                                               | 5.478G         | 50   | 5.549G         | 51   | 5.283G         | 52   | 5.648G         |
| 53                                               | 5.695G         | 54   | 5.371G         | 55   | 5.304G         | 56   | 5.705G         |
| 57                                               | 5.722G         | 58   | 5.349G         | 59   | 5.453G         | 60   | 5.591G         |
| 61                                               | 5.678G         | 62   | 5.401G         | 63   | 5.284G         | 64   | 5.481G         |
| 65                                               | 5.381G         | 66   | 5.644G         | 67   | 5.422G         | 68   | 5.590G         |
| 69                                               | 5.547G         | 70   | 5.458G         | 71   | 5.274G         | 72   | 5.446G         |
| 73                                               | 5.523G         | 74   | 5.391G         | 75   | 5.719G         | 76   | 5.296G         |
| 77                                               | 5.521G         | 78   | 5.286G         | 79   | 5.435G         | 80   | 5.336G         |
| 81                                               | 5.619G         | 82   | 5.668G         | 83   | 5.565G         | 84   | 5.343G         |
| 85                                               | 5.434G         | 86   | 5.356G         | 87   | 5.374G         | 88   | 5.278G         |
| 89                                               | 5.449G         | 90   | 5.660G         | 91   | 5.544G         | 92   | 5.363G         |
| 93                                               | 5.604G         | 94   | 5.314G         | 95   | 5.499G         | 96   | 5.531G         |
| 97                                               | 5.322G         | 98   | 5.347G         | 99   | 5.675G         | 100  | 5.273G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.587G         | 2    | 5.271G         | 3    | 5.622G         | 4    | 5.676G         |
| 5                                                | 5.627G         | 6    | 5.604G         | 7    | 5.309G         | 8    | 5.666G         |
| 9                                                | 5.449G         | 10   | 5.613G         | 11   | 5.340G         | 12   | 5.579G         |
| 13                                               | 5.372G         | 14   | 5.263G         | 15   | 5.252G         | 16   | 5.665G         |
| 17                                               | 5.568G         | 18   | 5.386G         | 19   | 5.639G         | 20   | 5.480G         |
| 21                                               | 5.251G         | 22   | 5.270G         | 23   | 5.614G         | 24   | 5.698G         |
| 25                                               | 5.549G         | 26   | 5.451G         | 27   | 5.335G         | 28   | 5.685G         |
| 29                                               | 5.464G         | 30   | 5.424G         | 31   | 5.291G         | 32   | 5.400G         |
| 33                                               | 5.555G         | 34   | 5.530G         | 35   | 5.510G         | 36   | 5.278G         |
| 37                                               | 5.257G         | 38   | 5.595G         | 39   | 5.724G         | 40   | 5.645G         |
| 41                                               | 5.675G         | 42   | 5.317G         | 43   | 5.695G         | 44   | 5.722G         |
| 45                                               | 5.277G         | 46   | 5.522G         | 47   | 5.686G         | 48   | 5.597G         |
| 49                                               | 5.588G         | 50   | 5.517G         | 51   | 5.518G         | 52   | 5.707G         |
| 53                                               | 5.431G         | 54   | 5.364G         | 55   | 5.542G         | 56   | 5.513G         |
| 57                                               | 5.322G         | 58   | 5.405G         | 59   | 5.402G         | 60   | 5.560G         |
| 61                                               | 5.677G         | 62   | 5.492G         | 63   | 5.446G         | 64   | 5.268G         |
| 65                                               | 5.717G         | 66   | 5.459G         | 67   | 5.357G         | 68   | 5.655G         |
| 69                                               | 5.650G         | 70   | 5.314G         | 71   | 5.688G         | 72   | 5.528G         |
| 73                                               | 5.535G         | 74   | 5.715G         | 75   | 5.380G         | 76   | 5.648G         |
| 77                                               | 5.556G         | 78   | 5.531G         | 79   | 5.616G         | 80   | 5.586G         |
| 81                                               | 5.612G         | 82   | 5.435G         | 83   | 5.656G         | 84   | 5.659G         |
| 85                                               | 5.546G         | 86   | 5.407G         | 87   | 5.346G         | 88   | 5.516G         |
| 89                                               | 5.623G         | 90   | 5.634G         | 91   | 5.325G         | 92   | 5.420G         |
| 93                                               | 5.720G         | 94   | 5.558G         | 95   | 5.478G         | 96   | 5.644G         |
| 97                                               | 5.311G         | 98   | 5.607G         | 99   | 5.273G         | 100  | 5.444G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.490G         | 2    | 5.296G         | 3    | 5.458G         | 4    | 5.553G         |
| 5                                                | 5.430G         | 6    | 5.516G         | 7    | 5.414G         | 8    | 5.618G         |
| 9                                                | 5.521G         | 10   | 5.544G         | 11   | 5.721G         | 12   | 5.438G         |
| 13                                               | 5.311G         | 14   | 5.677G         | 15   | 5.386G         | 16   | 5.382G         |
| 17                                               | 5.600G         | 18   | 5.446G         | 19   | 5.549G         | 20   | 5.422G         |
| 21                                               | 5.291G         | 22   | 5.581G         | 23   | 5.316G         | 24   | 5.359G         |
| 25                                               | 5.637G         | 26   | 5.588G         | 27   | 5.612G         | 28   | 5.288G         |
| 29                                               | 5.455G         | 30   | 5.541G         | 31   | 5.385G         | 32   | 5.557G         |
| 33                                               | 5.413G         | 34   | 5.701G         | 35   | 5.515G         | 36   | 5.254G         |
| 37                                               | 5.459G         | 38   | 5.714G         | 39   | 5.502G         | 40   | 5.528G         |
| 41                                               | 5.536G         | 42   | 5.260G         | 43   | 5.614G         | 44   | 5.451G         |
| 45                                               | 5.663G         | 46   | 5.532G         | 47   | 5.273G         | 48   | 5.482G         |
| 49                                               | 5.689G         | 50   | 5.326G         | 51   | 5.578G         | 52   | 5.537G         |
| 53                                               | 5.266G         | 54   | 5.387G         | 55   | 5.299G         | 56   | 5.513G         |
| 57                                               | 5.355G         | 58   | 5.297G         | 59   | 5.569G         | 60   | 5.262G         |
| 61                                               | 5.699G         | 62   | 5.551G         | 63   | 5.648G         | 64   | 5.679G         |
| 65                                               | 5.389G         | 66   | 5.607G         | 67   | 5.450G         | 68   | 5.421G         |
| 69                                               | 5.571G         | 70   | 5.629G         | 71   | 5.345G         | 72   | 5.623G         |
| 73                                               | 5.380G         | 74   | 5.643G         | 75   | 5.656G         | 76   | 5.500G         |
| 77                                               | 5.664G         | 78   | 5.550G         | 79   | 5.554G         | 80   | 5.269G         |
| 81                                               | 5.435G         | 82   | 5.442G         | 83   | 5.715G         | 84   | 5.284G         |
| 85                                               | 5.277G         | 86   | 5.582G         | 87   | 5.460G         | 88   | 5.412G         |
| 89                                               | 5.638G         | 90   | 5.354G         | 91   | 5.265G         | 92   | 5.323G         |
| 93                                               | 5.585G         | 94   | 5.539G         | 95   | 5.711G         | 96   | 5.390G         |
| 97                                               | 5.697G         | 98   | 5.619G         | 99   | 5.552G         | 100  | 5.650G         |

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| Trial #                 | Pulse Repetition Frequency Number(1 to 23) | PRF(Pulse per seconds) | Pulses per Burst | PRI (μsec) | Radar Frequency (MHz) | Detection |
|-------------------------|--------------------------------------------|------------------------|------------------|------------|-----------------------|-----------|
| 1                       | 18                                         | 1165.6                 | 62               | 858        | 5497                  | Yes       |
| 2                       | 20                                         | 1113.6                 | 59               | 898        | 5561                  | Yes       |
| 3                       | 8                                          | 1519.8                 | 81               | 658        | 5530                  | Yes       |
| 4                       | 19                                         | 1139                   | 61               | 878        | 5562                  | Yes       |
| 5                       | 6                                          | 1618.1                 | 86               | 618        | 5545                  | Yes       |
| 6                       | 12                                         | 1355                   | 72               | 738        | 5529                  | Yes       |
| 7                       | 5                                          | 1672.2                 | 89               | 598        | 5533                  | Yes       |
| 8                       | 7                                          | 1567.4                 | 83               | 638        | 5499                  | Yes       |
| 9                       | 22                                         | 1066.1                 | 57               | 938        | 5553                  | Yes       |
| 10                      | 2                                          | 1858.7                 | 99               | 538        | 5564                  | Yes       |
| 11                      | 9                                          | 1474.9                 | 78               | 678        | 5547                  | No        |
| 12                      | 14                                         | 1285.3                 | 68               | 778        | 5532                  | Yes       |
| 13                      | 21                                         | 1089.3                 | 58               | 918        | 5504                  | Yes       |
| 14                      | 10                                         | 1432.7                 | 76               | 698        | 5537                  | Yes       |
| 15                      | 3                                          | 1792.1                 | 95               | 558        | 5555                  | Yes       |
| 16                      |                                            | 327.8                  | 18               | 3051       | 5507                  | Yes       |
| 17                      |                                            | 425.4                  | 23               | 2351       | 5557                  | Yes       |
| 18                      |                                            | 1085.8                 | 58               | 921        | 5509                  | Yes       |
| 19                      |                                            | 643.1                  | 34               | 1555       | 5501                  | Yes       |
| 20                      |                                            | 386.1                  | 21               | 2590       | 5514                  | No        |
| 21                      |                                            | 635.7                  | 34               | 1573       | 5519                  | Yes       |
| 22                      |                                            | 1733.1                 | 92               | 577        | 5500                  | Yes       |
| 23                      |                                            | 479.2                  | 26               | 2087       | 5536                  | Yes       |
| 24                      |                                            | 1003.0                 | 53               | 997        | 5508                  | Yes       |
| 25                      |                                            | 424.1                  | 23               | 2358       | 5492                  | Yes       |
| 26                      |                                            | 638.6                  | 34               | 1566       | 5560                  | Yes       |
| 27                      |                                            | 412.5                  | 22               | 2424       | 5520                  | Yes       |
| 28                      |                                            | 501.5                  | 27               | 1994       | 5510                  | Yes       |
| 29                      |                                            | 520.0                  | 28               | 1923       | 5512                  | Yes       |
| 30                      |                                            | 1412.4                 | 75               | 708        | 5513                  | Yes       |
| Detection Rate: 93.33 % |                                            |                        |                  |            |                       |           |

| Type 2 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 23               | 1.3                | 228        | 5533                  | Yes       |
| 2                                     | 26               | 3.2                | 172        | 5561                  | Yes       |
| 3                                     | 27               | 3.9                | 212        | 5525                  | No        |
| 4                                     | 24               | 1.9                | 213        | 5504                  | No        |
| 5                                     | 27               | 3.6                | 150        | 5550                  | Yes       |
| 6                                     | 26               | 3.3                | 158        | 5519                  | Yes       |
| 7                                     | 29               | 4.9                | 210        | 5539                  | Yes       |
| 8                                     | 23               | 1.3                | 223        | 5499                  | Yes       |
| 9                                     | 29               | 4.9                | 152        | 5555                  | Yes       |
| 10                                    | 27               | 3.3                | 190        | 5538                  | Yes       |
| 11                                    | 25               | 2.7                | 203        | 5562                  | Yes       |
| 12                                    | 29               | 5                  | 227        | 5503                  | Yes       |
| 13                                    | 26               | 3.3                | 196        | 5536                  | Yes       |
| 14                                    | 28               | 4.4                | 198        | 5556                  | Yes       |
| 15                                    | 24               | 1.9                | 161        | 5506                  | Yes       |
| 16                                    | 27               | 3.6                | 226        | 5507                  | Yes       |
| 17                                    | 26               | 2.8                | 181        | 5535                  | Yes       |
| 18                                    | 25               | 2.5                | 167        | 5515                  | Yes       |
| 19                                    | 23               | 1.3                | 178        | 5528                  | Yes       |
| 20                                    | 25               | 2.4                | 187        | 5531                  | Yes       |
| 21                                    | 29               | 4.8                | 153        | 5522                  | Yes       |
| 22                                    | 27               | 3.5                | 201        | 5548                  | Yes       |
| 23                                    | 23               | 1.3                | 166        | 5511                  | Yes       |
| 24                                    | 29               | 4.8                | 155        | 5545                  | Yes       |
| 25                                    | 28               | 4.3                | 221        | 5505                  | Yes       |
| 26                                    | 26               | 3.2                | 191        | 5557                  | Yes       |
| 27                                    | 24               | 1.7                | 192        | 5518                  | No        |
| 28                                    | 23               | 1.2                | 164        | 5549                  | Yes       |
| 29                                    | 25               | 2.4                | 154        | 5498                  | Yes       |
| 30                                    | 29               | 5                  | 207        | 5543                  | Yes       |
| Detection Rate: 90 %                  |                  |                    |            |                       |           |

| Type 3 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 16               | 6.3                | 403        | 5492                  | No        |
| 2                                     | 17               | 8.2                | 313        | 5497                  | Yes       |
| 3                                     | 18               | 8.9                | 214        | 5496                  | Yes       |
| 4                                     | 16               | 6.9                | 262        | 5513                  | Yes       |
| 5                                     | 17               | 8.6                | 273        | 5494                  | Yes       |
| 6                                     | 17               | 8.3                | 470        | 5567                  | Yes       |
| 7                                     | 18               | 9.9                | 453        | 5561                  | Yes       |
| 8                                     | 16               | 6.3                | 378        | 5503                  | Yes       |
| 9                                     | 18               | 9.9                | 483        | 5517                  | Yes       |
| 10                                    | 17               | 8.3                | 317        | 5552                  | Yes       |
| 11                                    | 17               | 7.7                | 385        | 5549                  | Yes       |
| 12                                    | 18               | 10                 | 275        | 5499                  | Yes       |
| 13                                    | 17               | 8.3                | 497        | 5564                  | Yes       |
| 14                                    | 18               | 9.4                | 420        | 5508                  | Yes       |
| 15                                    | 16               | 6.9                | 366        | 5522                  | Yes       |
| 16                                    | 17               | 8.6                | 414        | 5531                  | Yes       |
| 17                                    | 17               | 7.8                | 444        | 5553                  | No        |
| 18                                    | 17               | 7.5                | 427        | 5557                  | Yes       |
| 19                                    | 16               | 6.3                | 338        | 5563                  | Yes       |
| 20                                    | 17               | 7.4                | 436        | 5534                  | Yes       |
| 21                                    | 18               | 9.8                | 265        | 5512                  | Yes       |
| 22                                    | 17               | 8.5                | 451        | 5560                  | Yes       |
| 23                                    | 16               | 6.3                | 274        | 5556                  | Yes       |
| 24                                    | 18               | 9.8                | 417        | 5504                  | Yes       |
| 25                                    | 18               | 9.3                | 330        | 5516                  | Yes       |
| 26                                    | 17               | 8.2                | 472        | 5520                  | Yes       |
| 27                                    | 16               | 6.7                | 333        | 5547                  | Yes       |
| 28                                    | 16               | 6.2                | 377        | 5530                  | Yes       |
| 29                                    | 17               | 7.4                | 394        | 5507                  | Yes       |
| 30                                    | 18               | 10                 | 296        | 5533                  | Yes       |
| Detection Rate: 93.33 %               |                  |                    |            |                       |           |

| Type 4 Radar Statistical Performances |                  |                    |            |                       |           |
|---------------------------------------|------------------|--------------------|------------|-----------------------|-----------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Radar Frequency (MHz) | Detection |
| 1                                     | 12               | 11.7               | 403        | 5568                  | Yes       |
| 2                                     | 14               | 15.9               | 313        | 5563                  | Yes       |
| 3                                     | 15               | 17.4               | 214        | 5526                  | Yes       |
| 4                                     | 13               | 13.2               | 262        | 5495                  | Yes       |
| 5                                     | 15               | 16.8               | 273        | 5544                  | Yes       |
| 6                                     | 14               | 16.1               | 470        | 5497                  | Yes       |
| 7                                     | 16               | 19.8               | 453        | 5527                  | Yes       |
| 8                                     | 12               | 11.7               | 378        | 5507                  | No        |
| 9                                     | 16               | 19.8               | 483        | 5500                  | Yes       |
| 10                                    | 14               | 16.2               | 317        | 5510                  | Yes       |
| 11                                    | 14               | 14.8               | 385        | 5513                  | Yes       |
| 12                                    | 16               | 19.9               | 275        | 5550                  | No        |
| 13                                    | 14               | 16.1               | 497        | 5504                  | No        |
| 14                                    | 16               | 18.6               | 420        | 5567                  | Yes       |
| 15                                    | 13               | 13.2               | 366        | 5506                  | Yes       |
| 16                                    | 15               | 16.9               | 414        | 5545                  | Yes       |
| 17                                    | 14               | 15                 | 444        | 5520                  | Yes       |
| 18                                    | 13               | 14.4               | 427        | 5509                  | Yes       |
| 19                                    | 12               | 11.7               | 338        | 5522                  | Yes       |
| 20                                    | 13               | 14.2               | 436        | 5547                  | Yes       |
| 21                                    | 16               | 19.6               | 265        | 5546                  | No        |
| 22                                    | 15               | 16.5               | 451        | 5529                  | Yes       |
| 23                                    | 12               | 11.7               | 274        | 5564                  | No        |
| 24                                    | 16               | 19.4               | 417        | 5542                  | Yes       |
| 25                                    | 16               | 18.3               | 330        | 5554                  | Yes       |
| 26                                    | 14               | 15.9               | 472        | 5539                  | Yes       |
| 27                                    | 12               | 12.5               | 333        | 5514                  | Yes       |
| 28                                    | 12               | 11.5               | 377        | 5516                  | Yes       |
| 29                                    | 13               | 14.2               | 394        | 5493                  | Yes       |
| 30                                    | 16               | 19.8               | 296        | 5499                  | Yes       |
| Detection Rate: 83.33 %               |                  |                    |            |                       |           |



| Type 5 Radar Statistical Performances |                  |                        |
|---------------------------------------|------------------|------------------------|
| Trial #                               | Test Signal Name | Detection              |
| 1                                     | LP_Signal_01     | Yes                    |
| 2                                     | LP_Signal_02     | Yes                    |
| 3                                     | LP_Signal_03     | Yes                    |
| 4                                     | LP_Signal_04     | Yes                    |
| 5                                     | LP_Signal_05     | Yes                    |
| 6                                     | LP_Signal_06     | Yes                    |
| 7                                     | LP_Signal_07     | Yes                    |
| 8                                     | LP_Signal_08     | Yes                    |
| 9                                     | LP_Signal_09     | Yes                    |
| 10                                    | LP_Signal_10     | Yes                    |
| 11                                    | LP_Signal_11     | Yes                    |
| 12                                    | LP_Signal_12     | Yes                    |
| 13                                    | LP_Signal_13     | No                     |
| 14                                    | LP_Signal_14     | Yes                    |
| 15                                    | LP_Signal_15     | Yes                    |
| 16                                    | LP_Signal_16     | Yes                    |
| 17                                    | LP_Signal_17     | Yes                    |
| 18                                    | LP_Signal_18     | Yes                    |
| 19                                    | LP_Signal_19     | Yes                    |
| 20                                    | LP_Signal_20     | Yes                    |
| 21                                    | LP_Signal_21     | Yes                    |
| 22                                    | LP_Signal_22     | Yes                    |
| 23                                    | LP_Signal_23     | Yes                    |
| 24                                    | LP_Signal_24     | Yes                    |
| 25                                    | LP_Signal_25     | Yes                    |
| 26                                    | LP_Signal_26     | Yes                    |
| 27                                    | LP_Signal_27     | Yes                    |
| 28                                    | LP_Signal_28     | Yes                    |
| 29                                    | LP_Signal_29     | Yes                    |
| 30                                    | LP_Signal_30     | Yes                    |
|                                       |                  | Detection Rate: 96.7 % |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_01

Number of Bursts in Trial: 13

Chirp Center Frequency: 5530MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 72.2             | 12                | 2                          | 1002.0     | 1973.0     | -          |
| 2     | 74.1             | 12                | 2                          | 1892.0     | 1635.0     | -          |
| 3     | 85.9             | 12                | 3                          | 1097.0     | 1171.0     | 1514.0     |
| 4     | 68.7             | 12                | 2                          | 1150.0     | 1740.0     | -          |
| 5     | 62.1             | 12                | 1                          | 1907.0     | -          | -          |
| 6     | 84.8             | 12                | 3                          | 1313.0     | 1536.0     | 1177.0     |
| 7     | 85.2             | 12                | 3                          | 1597.0     | 1539.0     | 1629.0     |
| 8     | 76.2             | 12                | 2                          | 1371.0     | 1764.0     | -          |
| 9     | 94.6             | 12                | 3                          | 1563.0     | 1880.0     | 1548.0     |
| 10    | 52.5             | 12                | 1                          | 1528.0     | -          | -          |
| 11    | 94.6             | 12                | 3                          | 1537.0     | 1935.0     | 1241.0     |
| 12    | 71.5             | 12                | 2                          | 1337.0     | 1472.0     | -          |
| 13    | 66.1             | 12                | 1                          | 1824.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_02

Number of Bursts in Trial: 14

Chirp Center Frequency: 5530MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 75.3             | 12                | 2                          | 1516.0     | 1581.0     | -          |
| 2     | 57.3             | 12                | 1                          | 1187.0     | -          | -          |
| 3     | 97.0             | 12                | 3                          | 1767.0     | 1677.0     | 1381.0     |
| 4     | 71.3             | 12                | 2                          | 1683.0     | 1622.0     | -          |
| 5     | 65.7             | 12                | 1                          | 1458.0     | -          | -          |
| 6     | 56.8             | 12                | 1                          | 1388.0     | -          | -          |
| 7     | 95.0             | 12                | 3                          | 1793.0     | 1254.0     | 1779.0     |
| 8     | 52.2             | 12                | 1                          | 1575.0     | -          | -          |
| 9     | 54.2             | 12                | 1                          | 1682.0     | -          | -          |
| 10    | 94.1             | 12                | 3                          | 1957.0     | 1485.0     | 1876.0     |
| 11    | 91.2             | 12                | 3                          | 1803.0     | 1693.0     | 1628.0     |
| 12    | 91.8             | 12                | 3                          | 1897.0     | 1636.0     | 1353.0     |
| 13    | 75.0             | 12                | 2                          | 1877.0     | 1456.0     | -          |
| 14    | 80.2             | 12                | 2                          | 1698.0     | 1608.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_03

Number of Bursts in Trial: 17

Chirp Center Frequency: 5530MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 76.2             | 16                | 2                          | 1955.0     | 1109.0     | -          |
| 2     | 97.3             | 16                | 3                          | 1836.0     | 1042.0     | 1224.0     |
| 3     | 75.3             | 16                | 2                          | 1579.0     | 1126.0     | -          |
| 4     | 74.5             | 16                | 2                          | 1771.0     | 1755.0     | -          |
| 5     | 51.2             | 16                | 1                          | 1133.0     | -          | -          |
| 6     | 66.1             | 16                | 1                          | 1167.0     | -          | -          |
| 7     | 98.8             | 16                | 3                          | 1919.0     | 1424.0     | 1985.0     |
| 8     | 61.3             | 16                | 1                          | 1454.0     | -          | -          |
| 9     | 66.4             | 16                | 1                          | 1772.0     | -          | -          |
| 10    | 93.5             | 16                | 3                          | 1879.0     | 1022.0     | 1857.0     |
| 11    | 85.7             | 16                | 3                          | 1980.0     | 1009.0     | 1716.0     |
| 12    | 50.5             | 16                | 1                          | 1924.0     | -          | -          |
| 13    | 88.1             | 16                | 3                          | 1131.0     | 1890.0     | 1939.0     |
| 14    | 68.9             | 16                | 2                          | 1806.0     | 1414.0     | -          |
| 15    | 55.3             | 16                | 1                          | 1802.0     | -          | -          |
| 16    | 64.6             | 16                | 1                          | 1178.0     | -          | -          |
| 17    | 57.2             | 16                | 1                          | 1238.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_04

Number of Bursts in Trial: 12

Chirp Center Frequency: 5530MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 78.5             | 10                | 2                          | 1267.0     | 1505.0     | -          |
| 2     | 63.3             | 10                | 1                          | 1532.0     | -          | -          |
| 3     | 92.6             | 10                | 3                          | 1729.0     | 1751.0     | 1928.0     |
| 4     | 91.0             | 10                | 3                          | 1808.0     | 1249.0     | 1809.0     |
| 5     | 94.9             | 10                | 3                          | 1186.0     | 1732.0     | 1743.0     |
| 6     | 79.1             | 10                | 2                          | 1776.0     | 1457.0     | -          |
| 7     | 50.3             | 10                | 1                          | 1914.0     | -          | -          |
| 8     | 89.3             | 10                | 3                          | 1182.0     | 1251.0     | 1687.0     |
| 9     | 94.6             | 10                | 3                          | 1998.0     | 1753.0     | 1228.0     |
| 10    | 64.7             | 10                | 1                          | 1100.0     | -          | -          |
| 11    | 84.0             | 10                | 3                          | 1373.0     | 1450.0     | 1589.0     |
| 12    | 68.0             | 10                | 2                          | 1895.0     | 1322.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_05

Number of Bursts in Trial: 11

Chirp Center Frequency: 5530MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 80.0             | 8                 | 2                          | 1357.0     | 1208.0     | -          |
| 2     | 94.7             | 8                 | 3                          | 1931.0     | 1905.0     | 1921.0     |
| 3     | 76.9             | 8                 | 2                          | 1453.0     | 1021.0     | -          |
| 4     | 87.1             | 8                 | 3                          | 1953.0     | 1469.0     | 1706.0     |
| 5     | 54.6             | 8                 | 1                          | 1301.0     | -          | -          |
| 6     | 59.0             | 8                 | 1                          | 1794.0     | -          | -          |
| 7     | 78.9             | 8                 | 2                          | 1279.0     | 1975.0     | -          |
| 8     | 69.3             | 8                 | 2                          | 1288.0     | 1610.0     | -          |
| 9     | 78.0             | 8                 | 2                          | 1433.0     | 1025.0     | -          |
| 10    | 93.4             | 8                 | 3                          | 1833.0     | 1804.0     | 1493.0     |
| 11    | 55.4             | 8                 | 1                          | 1495.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_06

Number of Bursts in Trial: 17

Chirp Center Frequency: 5530MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 67.3             | 16                | 2                          | 1530.0     | 1432.0     | -          |
| 2     | 63.9             | 16                | 1                          | 1356.0     | -          | -          |
| 3     | 91.0             | 16                | 3                          | 1631.0     | 1478.0     | 1219.0     |
| 4     | 53.4             | 16                | 1                          | 1609.0     | -          | -          |
| 5     | 85.7             | 16                | 3                          | 1831.0     | 1535.0     | 1960.0     |
| 6     | 65.2             | 16                | 1                          | 1873.0     | -          | -          |
| 7     | 68.7             | 16                | 2                          | 1791.0     | 1461.0     | -          |
| 8     | 76.1             | 16                | 2                          | 1815.0     | 1300.0     | -          |
| 9     | 97.0             | 16                | 3                          | 1471.0     | 1292.0     | 1452.0     |
| 10    | 89.6             | 16                | 3                          | 1436.0     | 1074.0     | 1400.0     |
| 11    | 86.9             | 16                | 3                          | 1085.0     | 1093.0     | 1156.0     |
| 12    | 62.6             | 16                | 1                          | 1870.0     | -          | -          |
| 13    | 78.5             | 16                | 2                          | 1447.0     | 1404.0     | -          |
| 14    | 82.5             | 16                | 2                          | 1717.0     | 1689.0     | -          |
| 15    | 89.2             | 16                | 3                          | 1642.0     | 1391.0     | 1274.0     |
| 16    | 81.4             | 16                | 2                          | 1624.0     | 1645.0     | -          |
| 17    | 68.2             | 16                | 2                          | 1475.0     | 1250.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_07

Number of Bursts in Trial: 17

Chirp Center Frequency: 5530MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 74.9             | 16                | 2                          | 1350.0     | 1816.0     | -          |
| 2     | 85.3             | 16                | 3                          | 1965.0     | 1440.0     | 1583.0     |
| 3     | 56.6             | 16                | 1                          | 1739.0     | -          | -          |
| 4     | 51.4             | 16                | 1                          | 1819.0     | -          | -          |
| 5     | 64.8             | 16                | 1                          | 1673.0     | -          | -          |
| 6     | 93.4             | 16                | 3                          | 1271.0     | 1504.0     | 1275.0     |
| 7     | 86.4             | 16                | 3                          | 1203.0     | 1064.0     | 1347.0     |
| 8     | 98.9             | 16                | 3                          | 1611.0     | 1958.0     | 1546.0     |
| 9     | 58.7             | 16                | 1                          | 1638.0     | -          | -          |
| 10    | 63.4             | 16                | 1                          | 1316.0     | -          | -          |
| 11    | 83.5             | 16                | 3                          | 1741.0     | 1293.0     | 1305.0     |
| 12    | 59.8             | 16                | 1                          | 1820.0     | -          | -          |
| 13    | 76.4             | 16                | 2                          | 1484.0     | 1835.0     | -          |
| 14    | 95.4             | 16                | 3                          | 1423.0     | 1827.0     | 1474.0     |
| 15    | 79.3             | 16                | 2                          | 1944.0     | 1891.0     | -          |
| 16    | 85.2             | 16                | 3                          | 1473.0     | 1321.0     | 1213.0     |
| 17    | 57.9             | 16                | 1                          | 1757.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_08

Number of Bursts in Trial: 14

Chirp Center Frequency: 5530MHz

| Burst | Pulse Width<br>(us) | Chirp Width<br>(MHz) | Number of<br>Pulses per<br>Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------------|----------------------------------|------------|------------|------------|
| 1     | 75.2                | 13                   | 2                                | 1261.0     | 1304.0     | -          |
| 2     | 77.1                | 13                   | 2                                | 1027.0     | 1508.0     | -          |
| 3     | 53.8                | 13                   | 1                                | 1902.0     | -          | -          |
| 4     | 75.7                | 13                   | 2                                | 1695.0     | 1486.0     | -          |
| 5     | 64.7                | 13                   | 1                                | 1578.0     | -          | -          |
| 6     | 74.0                | 13                   | 2                                | 1297.0     | 1665.0     | -          |
| 7     | 75.9                | 13                   | 2                                | 1668.0     | 1099.0     | -          |
| 8     | 88.6                | 13                   | 3                                | 1090.0     | 1936.0     | 1660.0     |
| 9     | 87.0                | 13                   | 3                                | 1380.0     | 1565.0     | 1497.0     |
| 10    | 78.4                | 13                   | 2                                | 1379.0     | 1840.0     | -          |
| 11    | 93.2                | 13                   | 3                                | 1850.0     | 1932.0     | 1054.0     |
| 12    | 82.0                | 13                   | 2                                | 1428.0     | 1543.0     | -          |
| 13    | 98.5                | 13                   | 3                                | 1029.0     | 1055.0     | 1690.0     |
| 14    | 54.6                | 13                   | 1                                | 1266.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_09

Number of Bursts in Trial: 19

Chirp Center Frequency: 5530MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 65.5             | 19                | 1                          | 1799.0     | -          | -          |
| 2     | 77.7             | 19                | 2                          | 1728.0     | 1378.0     | -          |
| 3     | 60.7             | 19                | 1                          | 1787.0     | -          | -          |
| 4     | 94.4             | 19                | 3                          | 1908.0     | 1028.0     | 1324.0     |
| 5     | 92.7             | 19                | 3                          | 1737.0     | 1540.0     | 1586.0     |
| 6     | 86.8             | 19                | 3                          | 1368.0     | 1194.0     | 1593.0     |
| 7     | 54.0             | 19                | 1                          | 1445.0     | -          | -          |
| 8     | 52.4             | 19                | 1                          | 1101.0     | -          | -          |
| 9     | 70.5             | 19                | 2                          | 1766.0     | 1927.0     | -          |
| 10    | 54.5             | 19                | 1                          | 1442.0     | -          | -          |
| 11    | 54.5             | 19                | 1                          | 1913.0     | -          | -          |
| 12    | 76.9             | 19                | 2                          | 1223.0     | 1894.0     | -          |
| 13    | 51.7             | 19                | 1                          | 1225.0     | -          | -          |
| 14    | 85.3             | 19                | 3                          | 1403.0     | 1375.0     | 1925.0     |
| 15    | 66.3             | 19                | 1                          | 1061.0     | -          | -          |
| 16    | 70.5             | 19                | 2                          | 1881.0     | 1923.0     | -          |
| 17    | 94.3             | 19                | 3                          | 1510.0     | 1114.0     | 1654.0     |
| 18    | 57.6             | 19                | 1                          | 1780.0     | -          | -          |
| 19    | 77.5             | 19                | 2                          | 1602.0     | 1394.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_10

Number of Bursts in Trial: 8

Chirp Center Frequency: 5530MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 70.6             | 5                 | 2                          | 1604.0     | 1926.0     | -          |
| 2     | 57.2             | 5                 | 1                          | 1195.0     | -          | -          |
| 3     | 62.0             | 5                 | 1                          | 1181.0     | -          | -          |
| 4     | 77.5             | 5                 | 2                          | 1349.0     | 1658.0     | -          |
| 5     | 92.5             | 5                 | 3                          | 1599.0     | 1544.0     | 1016.0     |
| 6     | 60.1             | 5                 | 1                          | 1077.0     | -          | -          |
| 7     | 61.3             | 5                 | 1                          | 1139.0     | -          | -          |
| 8     | 80.7             | 5                 | 2                          | 1562.0     | 1758.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_11

Number of Bursts in Trial: 19

Chirp Center Frequency: 5499MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 62.8             | 19                | 1                          | 1655.0     | -          | -          |
| 2     | 77.9             | 19                | 2                          | 1014.0     | 1929.0     | -          |
| 3     | 65.0             | 19                | 1                          | 1860.0     | -          | -          |
| 4     | 93.3             | 19                | 3                          | 1954.0     | 1542.0     | 1096.0     |
| 5     | 66.9             | 19                | 2                          | 1667.0     | 1754.0     | -          |
| 6     | 60.2             | 19                | 1                          | 1625.0     | -          | -          |
| 7     | 58.8             | 19                | 1                          | 1323.0     | -          | -          |
| 8     | 67.9             | 19                | 2                          | 1518.0     | 1134.0     | -          |
| 9     | 82.1             | 19                | 2                          | 1281.0     | 1343.0     | -          |
| 10    | 65.7             | 19                | 1                          | 1615.0     | -          | -          |
| 11    | 50.9             | 19                | 1                          | 1026.0     | -          | -          |
| 12    | 86.6             | 19                | 3                          | 1966.0     | 1590.0     | 1158.0     |
| 13    | 98.5             | 19                | 3                          | 1686.0     | 1977.0     | 1402.0     |
| 14    | 53.8             | 19                | 1                          | 1011.0     | -          | -          |
| 15    | 72.8             | 19                | 2                          | 1846.0     | 1714.0     | -          |
| 16    | 56.6             | 19                | 1                          | 1202.0     | -          | -          |
| 17    | 99.4             | 19                | 3                          | 1429.0     | 1521.0     | 1455.0     |
| 18    | 71.2             | 19                | 2                          | 1362.0     | 1060.0     | -          |
| 19    | 87.9             | 19                | 3                          | 1934.0     | 1172.0     | 1561.0     |



Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_12

Number of Bursts in Trial: 13

Chirp Center Frequency: 5495MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 72.2             | 11                | 2                          | 1258.0     | 1361.0     | -          |
| 2     | 90.7             | 11                | 3                          | 1265.0     | 1573.0     | 1230.0     |
| 3     | 72.3             | 11                | 2                          | 1050.0     | 1796.0     | -          |
| 4     | 66.5             | 11                | 1                          | 1507.0     | -          | -          |
| 5     | 84.1             | 11                | 3                          | 1427.0     | 1393.0     | 1338.0     |
| 6     | 85.5             | 11                | 3                          | 1449.0     | 1910.0     | 1374.0     |
| 7     | 54.5             | 11                | 1                          | 1342.0     | -          | -          |
| 8     | 77.9             | 11                | 2                          | 1118.0     | 1013.0     | -          |
| 9     | 97.4             | 11                | 3                          | 1781.0     | 1253.0     | 1707.0     |
| 10    | 53.4             | 11                | 1                          | 1032.0     | -          | -          |
| 11    | 50.2             | 11                | 1                          | 1671.0     | -          | -          |
| 12    | 68.3             | 11                | 2                          | 1465.0     | 1125.0     | -          |
| 13    | 84.3             | 11                | 3                          | 1972.0     | 1652.0     | 1206.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_13

Number of Bursts in Trial: 12

Chirp Center Frequency: 5495MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 81.4             | 10                | 2                          | 1431.0     | 1141.0     | -          |
| 2     | 56.0             | 10                | 1                          | 1727.0     | -          | -          |
| 3     | 91.2             | 10                | 3                          | 1533.0     | 1264.0     | 1132.0     |
| 4     | 74.6             | 10                | 2                          | 1669.0     | 1477.0     | -          |
| 5     | 55.5             | 10                | 1                          | 1738.0     | -          | -          |
| 6     | 61.2             | 10                | 1                          | 1774.0     | -          | -          |
| 7     | 87.7             | 10                | 3                          | 1574.0     | 1140.0     | 1464.0     |
| 8     | 66.6             | 10                | 1                          | 1587.0     | -          | -          |
| 9     | 93.0             | 10                | 3                          | 1320.0     | 1663.0     | 1525.0     |
| 10    | 67.3             | 10                | 2                          | 1018.0     | 1302.0     | -          |
| 11    | 84.2             | 10                | 3                          | 1513.0     | 1215.0     | 1688.0     |
| 12    | 54.8             | 10                | 1                          | 1243.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_14

Number of Bursts in Trial: 14

Chirp Center Frequency: 5496MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 93.4             | 13                | 3                          | 1023.0     | 1052.0     | 1143.0     |
| 2     | 71.0             | 13                | 2                          | 1152.0     | 1770.0     | -          |
| 3     | 79.0             | 13                | 2                          | 1862.0     | 1552.0     | -          |
| 4     | 66.7             | 13                | 2                          | 1483.0     | 1296.0     | -          |
| 5     | 84.5             | 13                | 3                          | 1185.0     | 1144.0     | 1832.0     |
| 6     | 55.3             | 13                | 1                          | 1969.0     | -          | -          |
| 7     | 78.1             | 13                | 2                          | 1318.0     | 1722.0     | -          |
| 8     | 71.3             | 13                | 2                          | 1653.0     | 1201.0     | -          |
| 9     | 72.3             | 13                | 2                          | 1222.0     | 1232.0     | -          |
| 10    | 89.1             | 13                | 3                          | 1874.0     | 1748.0     | 1491.0     |
| 11    | 90.1             | 13                | 3                          | 1522.0     | 1582.0     | 1990.0     |
| 12    | 90.5             | 13                | 3                          | 1176.0     | 1344.0     | 1971.0     |
| 13    | 61.3             | 13                | 1                          | 1199.0     | -          | -          |
| 14    | 80.9             | 13                | 2                          | 1111.0     | 1295.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_15

Number of Bursts in Trial: 9

Chirp Center Frequency: 5494MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 57.8             | 7                 | 1                          | 1724.0     | -          | -          |
| 2     | 62.3             | 7                 | 1                          | 1498.0     | -          | -          |
| 3     | 82.4             | 7                 | 2                          | 1151.0     | 1396.0     | -          |
| 4     | 61.5             | 7                 | 1                          | 1501.0     | -          | -          |
| 5     | 64.5             | 7                 | 1                          | 1623.0     | -          | -          |
| 6     | 81.9             | 7                 | 2                          | 1079.0     | 1951.0     | -          |
| 7     | 97.4             | 7                 | 3                          | 1216.0     | 1204.0     | 1618.0     |
| 8     | 66.6             | 7                 | 1                          | 1630.0     | -          | -          |
| 9     | 55.2             | 7                 | 1                          | 1502.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_16

Number of Bursts in Trial: 20

Chirp Center Frequency: 5499MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 92.5             | 20                | 3                          | 1098.0     | 1694.0     | 1425.0     |
| 2     | 62.7             | 20                | 1                          | 1844.0     | -          | -          |
| 3     | 98.2             | 20                | 3                          | 1976.0     | 1482.0     | 1887.0     |
| 4     | 51.1             | 20                | 1                          | 1479.0     | -          | -          |
| 5     | 88.1             | 20                | 3                          | 1838.0     | 1191.0     | 1421.0     |
| 6     | 83.5             | 20                | 3                          | 1366.0     | 1037.0     | 1981.0     |
| 7     | 71.3             | 20                | 2                          | 1676.0     | 1699.0     | -          |
| 8     | 79.3             | 20                | 2                          | 1856.0     | 1174.0     | -          |
| 9     | 73.3             | 20                | 2                          | 1326.0     | 1529.0     | -          |
| 10    | 88.1             | 20                | 3                          | 1070.0     | 1841.0     | 1710.0     |
| 11    | 61.6             | 20                | 1                          | 1327.0     | -          | -          |
| 12    | 90.8             | 20                | 3                          | 1086.0     | 1584.0     | 1236.0     |
| 13    | 64.4             | 20                | 1                          | 1045.0     | -          | -          |
| 14    | 75.5             | 20                | 2                          | 1311.0     | 1273.0     | -          |
| 15    | 61.2             | 20                | 1                          | 1180.0     | -          | -          |
| 16    | 62.8             | 20                | 1                          | 1136.0     | -          | -          |
| 17    | 98.1             | 20                | 3                          | 1242.0     | 1058.0     | 1248.0     |
| 18    | 72.1             | 20                | 2                          | 1941.0     | 1041.0     | -          |
| 19    | 97.1             | 20                | 3                          | 1031.0     | 1221.0     | 1309.0     |
| 20    | 62.0             | 20                | 1                          | 1797.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_17

Number of Bursts in Trial: 13

Chirp Center Frequency: 5495MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 92.3             | 11                | 3                          | 1768.0     | 1605.0     | 1619.0     |
| 2     | 66.0             | 11                | 1                          | 1468.0     | -          | -          |
| 3     | 50.6             | 11                | 1                          | 1549.0     | -          | -          |
| 4     | 63.2             | 11                | 1                          | 1035.0     | -          | -          |
| 5     | 74.6             | 11                | 2                          | 1312.0     | 1745.0     | -          |
| 6     | 53.4             | 11                | 1                          | 1598.0     | -          | -          |
| 7     | 75.3             | 11                | 2                          | 1837.0     | 1443.0     | -          |
| 8     | 84.2             | 11                | 3                          | 1110.0     | 1034.0     | 1948.0     |
| 9     | 81.5             | 11                | 2                          | 1898.0     | 1298.0     | -          |
| 10    | 52.8             | 11                | 1                          | 1553.0     | -          | -          |
| 11    | 52.3             | 11                | 1                          | 1675.0     | -          | -          |
| 12    | 57.4             | 11                | 1                          | 1702.0     | -          | -          |
| 13    | 76.7             | 11                | 2                          | 1961.0     | 1670.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_18

Number of Bursts in Trial: 12

Chirp Center Frequency: 5495MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 65.8             | 10                | 1                          | 2000.0     | -          | -          |
| 2     | 86.6             | 10                | 3                          | 1666.0     | 1190.0     | 1043.0     |
| 3     | 54.0             | 10                | 1                          | 1922.0     | -          | -          |
| 4     | 86.4             | 10                | 3                          | 1703.0     | 1962.0     | 1639.0     |
| 5     | 54.2             | 10                | 1                          | 1119.0     | -          | -          |
| 6     | 90.0             | 10                | 3                          | 1257.0     | 1911.0     | 1571.0     |
| 7     | 87.8             | 10                | 3                          | 1120.0     | 1509.0     | 1708.0     |
| 8     | 50.9             | 10                | 1                          | 1572.0     | -          | -          |
| 9     | 59.7             | 10                | 1                          | 1155.0     | -          | -          |
| 10    | 66.7             | 10                | 2                          | 1818.0     | 1725.0     | -          |
| 11    | 52.4             | 10                | 1                          | 1082.0     | -          | -          |
| 12    | 99.8             | 10                | 3                          | 1775.0     | 1778.0     | 1068.0     |

## Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_19

Number of Bursts in Trial: 9

Chirp Center Frequency: 5494MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 90.2             | 7                 | 3                          | 1723.0     | 1106.0     | 1103.0     |
| 2     | 93.4             | 7                 | 3                          | 1715.0     | 1810.0     | 1370.0     |
| 3     | 86.8             | 7                 | 3                          | 1390.0     | 1340.0     | 1634.0     |
| 4     | 71.2             | 7                 | 2                          | 1108.0     | 1351.0     | -          |
| 5     | 98.7             | 7                 | 3                          | 1949.0     | 1720.0     | 1363.0     |
| 6     | 66.4             | 7                 | 1                          | 1621.0     | -          | -          |
| 7     | 59.7             | 7                 | 1                          | 1993.0     | -          | -          |
| 8     | 50.3             | 7                 | 1                          | 1412.0     | -          | -          |
| 9     | 54.6             | 7                 | 1                          | 1441.0     | -          | -          |

## Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_20

Number of Bursts in Trial: 19

Chirp Center Frequency: 5499MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 62.9             | 19                | 1                          | 1466.0     | -          | -          |
| 2     | 76.5             | 19                | 2                          | 1008.0     | 1600.0     | -          |
| 3     | 62.0             | 19                | 1                          | 1355.0     | -          | -          |
| 4     | 84.9             | 19                | 3                          | 1893.0     | 1851.0     | 1166.0     |
| 5     | 76.5             | 19                | 2                          | 1909.0     | 1987.0     | -          |
| 6     | 84.7             | 19                | 3                          | 1179.0     | 1256.0     | 1107.0     |
| 7     | 58.1             | 19                | 1                          | 1123.0     | -          | -          |
| 8     | 87.1             | 19                | 3                          | 1315.0     | 1763.0     | 1365.0     |
| 9     | 97.9             | 19                | 3                          | 1051.0     | 1395.0     | 1519.0     |
| 10    | 70.5             | 19                | 2                          | 1984.0     | 1692.0     | -          |
| 11    | 85.7             | 19                | 3                          | 1438.0     | 1040.0     | 1672.0     |
| 12    | 54.2             | 19                | 1                          | 1247.0     | -          | -          |
| 13    | 64.0             | 19                | 1                          | 1674.0     | -          | -          |
| 14    | 98.7             | 19                | 3                          | 1566.0     | 1289.0     | 1752.0     |
| 15    | 89.0             | 19                | 3                          | 1290.0     | 1405.0     | 1959.0     |
| 16    | 57.2             | 19                | 1                          | 1164.0     | -          | -          |
| 17    | 76.5             | 19                | 2                          | 1165.0     | 1135.0     | -          |
| 18    | 93.9             | 19                | 3                          | 1888.0     | 1731.0     | 1828.0     |
| 19    | 82.2             | 19                | 2                          | 1175.0     | 1091.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_21

Number of Bursts in Trial: 8

Chirp Center Frequency: 5567MHz

| Burst | Pulse Width<br>(us) | Chirp Width<br>(MHz) | Number of<br>Pulses per<br>Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------------|----------------------------------|------------|------------|------------|
| 1     | 59.2                | 5                    | 1                                | 1307.0     | -          | -          |
| 2     | 61.0                | 5                    | 1                                | 1389.0     | -          | -          |
| 3     | 82.6                | 5                    | 2                                | 1047.0     | 1637.0     | -          |
| 4     | 99.3                | 5                    | 3                                | 1408.0     | 1760.0     | 1901.0     |
| 5     | 98.3                | 5                    | 3                                | 1996.0     | 1039.0     | 1104.0     |
| 6     | 63.5                | 5                    | 1                                | 1596.0     | -          | -          |
| 7     | 84.5                | 5                    | 3                                | 1115.0     | 1930.0     | 1864.0     |
| 8     | 60.1                | 5                    | 1                                | 1328.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_22

Number of Bursts in Trial: 9

Chirp Center Frequency: 5567MHz

| Burst | Pulse Width<br>(us) | Chirp Width<br>(MHz) | Number of<br>Pulses per<br>Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------------|----------------------------------|------------|------------|------------|
| 1     | 88.5                | 6                    | 3                                | 1648.0     | 1627.0     | 1496.0     |
| 2     | 63.0                | 6                    | 1                                | 1001.0     | -          | -          |
| 3     | 82.8                | 6                    | 2                                | 1868.0     | 1006.0     | -          |
| 4     | 86.4                | 6                    | 3                                | 1657.0     | 1044.0     | 1709.0     |
| 5     | 92.7                | 6                    | 3                                | 1644.0     | 1916.0     | 1527.0     |
| 6     | 57.1                | 6                    | 1                                | 1420.0     | -          | -          |
| 7     | 72.0                | 6                    | 2                                | 1092.0     | 1192.0     | -          |
| 8     | 52.8                | 6                    | 1                                | 1335.0     | -          | -          |
| 9     | 60.1                | 6                    | 1                                | 1137.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_23

Number of Bursts in Trial: 19

Chirp Center Frequency: 5561MHz

| Burst | Pulse Width<br>(us) | Chirp Width<br>(MHz) | Number of<br>Pulses per<br>Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|---------------------|----------------------|----------------------------------|------------|------------|------------|
| 1     | 92.0                | 19                   | 3                                | 1858.0     | 1601.0     | 1189.0     |
| 2     | 51.4                | 19                   | 1                                | 1331.0     | -          | -          |
| 3     | 77.7                | 19                   | 2                                | 1517.0     | 1834.0     | -          |
| 4     | 55.3                | 19                   | 1                                | 1397.0     | -          | -          |
| 5     | 79.6                | 19                   | 2                                | 1992.0     | 1205.0     | -          |
| 6     | 63.9                | 19                   | 1                                | 1588.0     | -          | -          |
| 7     | 61.9                | 19                   | 1                                | 1439.0     | -          | -          |
| 8     | 96.2                | 19                   | 3                                | 1889.0     | 1193.0     | 1938.0     |
| 9     | 66.7                | 19                   | 2                                | 1853.0     | 1418.0     | -          |
| 10    | 95.6                | 19                   | 3                                | 1761.0     | 1592.0     | 1263.0     |
| 11    | 76.1                | 19                   | 2                                | 1585.0     | 1950.0     | -          |
| 12    | 94.8                | 19                   | 3                                | 1387.0     | 1336.0     | 1550.0     |
| 13    | 97.9                | 19                   | 3                                | 1807.0     | 1138.0     | 1661.0     |
| 14    | 64.0                | 19                   | 1                                | 1038.0     | -          | -          |
| 15    | 72.2                | 19                   | 2                                | 1790.0     | 1882.0     | -          |
| 16    | 72.6                | 19                   | 2                                | 1736.0     | 1383.0     | -          |
| 17    | 77.6                | 19                   | 2                                | 1244.0     | 1641.0     | -          |
| 18    | 91.1                | 19                   | 3                                | 1299.0     | 1406.0     | 1056.0     |
| 19    | 93.7                | 19                   | 3                                | 1964.0     | 1718.0     | 1053.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_24

Number of Bursts in Trial: 18

Chirp Center Frequency: 5562MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 80.4             | 18                | 2                          | 1735.0     | 1046.0     | -          |
| 2     | 77.2             | 18                | 2                          | 1662.0     | 1359.0     | -          |
| 3     | 63.7             | 18                | 1                          | 1341.0     | -          | -          |
| 4     | 71.3             | 18                | 2                          | 1346.0     | 1883.0     | -          |
| 5     | 92.1             | 18                | 3                          | 1069.0     | 1033.0     | 1417.0     |
| 6     | 74.5             | 18                | 2                          | 1986.0     | 1730.0     | -          |
| 7     | 69.7             | 18                | 2                          | 1988.0     | 1547.0     | -          |
| 8     | 74.0             | 18                | 2                          | 1612.0     | 1285.0     | -          |
| 9     | 65.0             | 18                | 1                          | 1415.0     | -          | -          |
| 10    | 84.2             | 18                | 3                          | 1556.0     | 1030.0     | 1664.0     |
| 11    | 93.1             | 18                | 3                          | 1148.0     | 1160.0     | 1259.0     |
| 12    | 97.1             | 18                | 3                          | 1062.0     | 1372.0     | 1392.0     |
| 13    | 92.0             | 18                | 3                          | 1933.0     | 1970.0     | 1685.0     |
| 14    | 95.8             | 18                | 3                          | 1967.0     | 1875.0     | 1112.0     |
| 15    | 78.9             | 18                | 2                          | 1983.0     | 1903.0     | -          |
| 16    | 65.2             | 18                | 1                          | 1814.0     | -          | -          |
| 17    | 75.0             | 18                | 2                          | 1146.0     | 1142.0     | -          |
| 18    | 66.2             | 18                | 1                          | 1577.0     | -          | -          |



# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_25

Number of Bursts in Trial: 18

Chrip Center Frequency: 5562MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 76.8             | 18                | 2                          | 1284.0     | 1792.0     | -          |
| 2     | 79.7             | 18                | 2                          | 1364.0     | 1276.0     | -          |
| 3     | 97.1             | 18                | 3                          | 1861.0     | 1759.0     | 1260.0     |
| 4     | 70.7             | 18                | 2                          | 1937.0     | 1744.0     | -          |
| 5     | 53.1             | 18                | 1                          | 1017.0     | -          | -          |
| 6     | 81.5             | 18                | 2                          | 1184.0     | 1072.0     | -          |
| 7     | 68.0             | 18                | 2                          | 1360.0     | 1332.0     | -          |
| 8     | 58.4             | 18                | 1                          | 1306.0     | -          | -          |
| 9     | 65.4             | 18                | 1                          | 1234.0     | -          | -          |
| 10    | 90.7             | 18                | 3                          | 1207.0     | 1147.0     | 1603.0     |
| 11    | 99.1             | 18                | 3                          | 1900.0     | 1746.0     | 1252.0     |
| 12    | 60.6             | 18                | 1                          | 1684.0     | -          | -          |
| 13    | 63.8             | 18                | 1                          | 1616.0     | -          | -          |
| 14    | 65.1             | 18                | 1                          | 1382.0     | -          | -          |
| 15    | 66.0             | 18                | 1                          | 1829.0     | -          | -          |
| 16    | 78.4             | 18                | 2                          | 1512.0     | 1940.0     | -          |
| 17    | 72.5             | 18                | 2                          | 1430.0     | 1701.0     | -          |
| 18    | 82.9             | 18                | 2                          | 1010.0     | 1066.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_26

Number of Bursts in Trial: 14

Chirp Center Frequency: 5564MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 78.2             | 13                | 2                          | 1227.0     | 1352.0     | -          |
| 2     | 80.1             | 13                | 2                          | 1872.0     | 1680.0     | -          |
| 3     | 85.6             | 13                | 3                          | 1545.0     | 1105.0     | 1399.0     |
| 4     | 80.9             | 13                | 2                          | 1633.0     | 1129.0     | -          |
| 5     | 59.9             | 13                | 1                          | 1145.0     | -          | -          |
| 6     | 90.0             | 13                | 3                          | 1059.0     | 1978.0     | 1859.0     |
| 7     | 96.9             | 13                | 3                          | 1407.0     | 1480.0     | 1747.0     |
| 8     | 62.0             | 13                | 1                          | 1885.0     | -          | -          |
| 9     | 73.7             | 13                | 2                          | 1852.0     | 1696.0     | -          |
| 10    | 98.5             | 13                | 3                          | 1063.0     | 1088.0     | 1168.0     |
| 11    | 84.1             | 13                | 3                          | 1157.0     | 1198.0     | 1212.0     |
| 12    | 99.0             | 13                | 3                          | 1245.0     | 1784.0     | 1422.0     |
| 13    | 69.0             | 13                | 2                          | 1515.0     | 1991.0     | -          |
| 14    | 98.8             | 13                | 3                          | 1237.0     | 1554.0     | 1705.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_27

Number of Bursts in Trial: 15

Chirp Center Frequency: 5563MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 97.3             | 14                | 3                          | 1384.0     | 1434.0     | 1843.0     |
| 2     | 56.4             | 14                | 1                          | 1170.0     | -          | -          |
| 3     | 50.7             | 14                | 1                          | 1049.0     | -          | -          |
| 4     | 61.4             | 14                | 1                          | 1777.0     | -          | -          |
| 5     | 96.6             | 14                | 3                          | 1626.0     | 1821.0     | 1643.0     |
| 6     | 59.7             | 14                | 1                          | 1280.0     | -          | -          |
| 7     | 74.1             | 14                | 2                          | 1918.0     | 1845.0     | -          |
| 8     | 82.3             | 14                | 2                          | 1435.0     | 1640.0     | -          |
| 9     | 53.3             | 14                | 1                          | 1127.0     | -          | -          |
| 10    | 83.6             | 14                | 3                          | 1235.0     | 1489.0     | 1721.0     |
| 11    | 59.1             | 14                | 1                          | 1884.0     | -          | -          |
| 12    | 79.0             | 14                | 2                          | 1451.0     | 1613.0     | -          |
| 13    | 75.0             | 14                | 2                          | 1239.0     | 1989.0     | -          |
| 14    | 54.3             | 14                | 1                          | 1481.0     | -          | -          |
| 15    | 70.3             | 14                | 2                          | 1783.0     | 1334.0     | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_28

Number of Bursts in Trial: 14

Chirp Center Frequency: 5564MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 78.0             | 13                | 2                          | 1786.0     | 1231.0     | -          |
| 2     | 81.1             | 13                | 2                          | 1377.0     | 1019.0     | -          |
| 3     | 63.6             | 13                | 1                          | 1083.0     | -          | -          |
| 4     | 73.2             | 13                | 2                          | 1048.0     | 1878.0     | -          |
| 5     | 96.0             | 13                | 3                          | 1555.0     | 1704.0     | 1130.0     |
| 6     | 87.0             | 13                | 3                          | 1492.0     | 1523.0     | 1526.0     |
| 7     | 94.9             | 13                | 3                          | 1487.0     | 1218.0     | 1865.0     |
| 8     | 80.6             | 13                | 2                          | 1278.0     | 1570.0     | -          |
| 9     | 96.0             | 13                | 3                          | 1183.0     | 1531.0     | 1956.0     |
| 10    | 69.8             | 13                | 2                          | 1467.0     | 1081.0     | -          |
| 11    | 57.1             | 13                | 1                          | 1354.0     | -          | -          |
| 12    | 73.8             | 13                | 2                          | 1646.0     | 1196.0     | -          |
| 13    | 91.2             | 13                | 3                          | 1711.0     | 1410.0     | 1078.0     |
| 14    | 57.8             | 13                | 1                          | 1742.0     | -          | -          |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_29

Number of Bursts in Trial: 20

Chirp Center Frequency: 5561MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 69.6             | 20                | 2                          | 1161.0     | 1162.0     | -          |
| 2     | 74.4             | 20                | 2                          | 1607.0     | 1272.0     | -          |
| 3     | 66.4             | 20                | 1                          | 1866.0     | -          | -          |
| 4     | 71.7             | 20                | 2                          | 1089.0     | 1470.0     | -          |
| 5     | 50.2             | 20                | 1                          | 1503.0     | -          | -          |
| 6     | 63.4             | 20                | 1                          | 1762.0     | -          | -          |
| 7     | 57.4             | 20                | 1                          | 1595.0     | -          | -          |
| 8     | 64.3             | 20                | 1                          | 1003.0     | -          | -          |
| 9     | 54.6             | 20                | 1                          | 1476.0     | -          | -          |
| 10    | 81.9             | 20                | 2                          | 1154.0     | 1488.0     | -          |
| 11    | 62.8             | 20                | 1                          | 1942.0     | -          | -          |
| 12    | 58.8             | 20                | 1                          | 1825.0     | -          | -          |
| 13    | 96.0             | 20                | 3                          | 1173.0     | 1116.0     | 1095.0     |
| 14    | 76.8             | 20                | 2                          | 1024.0     | 1210.0     | -          |
| 15    | 51.9             | 20                | 1                          | 1463.0     | -          | -          |
| 16    | 71.7             | 20                | 2                          | 1286.0     | 1121.0     | -          |
| 17    | 80.9             | 20                | 2                          | 1756.0     | 1398.0     | -          |
| 18    | 64.9             | 20                | 1                          | 1805.0     | -          | -          |
| 19    | 92.5             | 20                | 3                          | 1801.0     | 1367.0     | 1594.0     |
| 20    | 91.7             | 20                | 3                          | 1559.0     | 1620.0     | 1122.0     |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_30

Number of Bursts in Trial: 14

Chirp Center Frequency: 5564MHz

| Burst | Pulse Width (us) | Chirp Width (MHz) | Number of Pulses per Burst | PRI-1 (us) | PRI-2 (us) | PRI-3 (us) |
|-------|------------------|-------------------|----------------------------|------------|------------|------------|
| 1     | 95.8             | 13                | 3                          | 1915.0     | 1214.0     | 1551.0     |
| 2     | 67.3             | 13                | 2                          | 1979.0     | 1128.0     | -          |
| 3     | 70.5             | 13                | 2                          | 1920.0     | 1339.0     | -          |
| 4     | 75.7             | 13                | 2                          | 1000.0     | 1734.0     | -          |
| 5     | 73.0             | 13                | 2                          | 1149.0     | 1591.0     | -          |
| 6     | 61.8             | 13                | 1                          | 1681.0     | -          | -          |
| 7     | 52.4             | 13                | 1                          | 1567.0     | -          | -          |
| 8     | 75.8             | 13                | 2                          | 2000.0     | 1886.0     | -          |
| 9     | 54.8             | 13                | 1                          | 1117.0     | -          | -          |
| 10    | 91.6             | 13                | 3                          | 1233.0     | 1004.0     | 1413.0     |
| 11    | 89.5             | 13                | 3                          | 1416.0     | 1329.0     | 1007.0     |
| 12    | 86.0             | 13                | 3                          | 1614.0     | 1557.0     | 1822.0     |
| 13    | 83.0             | 13                | 2                          | 1863.0     | 1282.0     | -          |
| 14    | 74.4             | 13                | 2                          | 1269.0     | 1617.0     | -          |

| Type 6 Radar Statistical Performances |                  |                    |            |                         |
|---------------------------------------|------------------|--------------------|------------|-------------------------|
| Trial #                               | Pulses per Burst | Pulse Width (μsec) | PRI (μsec) | Detection               |
| 1                                     | 9                | 1                  | 333.3      | Yes                     |
| 2                                     | 9                | 1                  | 333.3      | Yes                     |
| 3                                     | 9                | 1                  | 333.3      | Yes                     |
| 4                                     | 9                | 1                  | 333.3      | Yes                     |
| 5                                     | 9                | 1                  | 333.3      | Yes                     |
| 6                                     | 9                | 1                  | 333.3      | Yes                     |
| 7                                     | 9                | 1                  | 333.3      | Yes                     |
| 8                                     | 9                | 1                  | 333.3      | Yes                     |
| 9                                     | 9                | 1                  | 333.3      | Yes                     |
| 10                                    | 9                | 1                  | 333.3      | Yes                     |
| 11                                    | 9                | 1                  | 333.3      | Yes                     |
| 12                                    | 9                | 1                  | 333.3      | Yes                     |
| 13                                    | 9                | 1                  | 333.3      | Yes                     |
| 14                                    | 9                | 1                  | 333.3      | Yes                     |
| 15                                    | 9                | 1                  | 333.3      | Yes                     |
| 16                                    | 9                | 1                  | 333.3      | Yes                     |
| 17                                    | 9                | 1                  | 333.3      | Yes                     |
| 18                                    | 9                | 1                  | 333.3      | Yes                     |
| 19                                    | 9                | 1                  | 333.3      | Yes                     |
| 20                                    | 9                | 1                  | 333.3      | Yes                     |
| 21                                    | 9                | 1                  | 333.3      | Yes                     |
| 22                                    | 9                | 1                  | 333.3      | Yes                     |
| 23                                    | 9                | 1                  | 333.3      | Yes                     |
| 24                                    | 9                | 1                  | 333.3      | Yes                     |
| 25                                    | 9                | 1                  | 333.3      | Yes                     |
| 26                                    | 9                | 1                  | 333.3      | Yes                     |
| 27                                    | 9                | 1                  | 333.3      | Yes                     |
| 28                                    | 9                | 1                  | 333.3      | Yes                     |
| 29                                    | 9                | 1                  | 333.3      | Yes                     |
| 30                                    | 9                | 1                  | 333.3      | Yes                     |
|                                       |                  |                    |            | Detection Rate: 100.0 % |

| Type 6 Radar Statistical Performances |                                 |                         |
|---------------------------------------|---------------------------------|-------------------------|
| Trial #                               | Hopping Frequency Sequence Name | Detection               |
| 1                                     | HOP_FREQ_SEQ_01                 | Yes                     |
| 2                                     | HOP_FREQ_SEQ_02                 | Yes                     |
| 3                                     | HOP_FREQ_SEQ_03                 | Yes                     |
| 4                                     | HOP_FREQ_SEQ_04                 | Yes                     |
| 5                                     | HOP_FREQ_SEQ_05                 | Yes                     |
| 6                                     | HOP_FREQ_SEQ_06                 | Yes                     |
| 7                                     | HOP_FREQ_SEQ_07                 | Yes                     |
| 8                                     | HOP_FREQ_SEQ_08                 | Yes                     |
| 9                                     | HOP_FREQ_SEQ_09                 | Yes                     |
| 10                                    | HOP_FREQ_SEQ_10                 | Yes                     |
| 11                                    | HOP_FREQ_SEQ_11                 | Yes                     |
| 12                                    | HOP_FREQ_SEQ_12                 | Yes                     |
| 13                                    | HOP_FREQ_SEQ_13                 | Yes                     |
| 14                                    | HOP_FREQ_SEQ_14                 | Yes                     |
| 15                                    | HOP_FREQ_SEQ_15                 | Yes                     |
| 16                                    | HOP_FREQ_SEQ_16                 | Yes                     |
| 17                                    | HOP_FREQ_SEQ_17                 | Yes                     |
| 18                                    | HOP_FREQ_SEQ_18                 | Yes                     |
| 19                                    | HOP_FREQ_SEQ_19                 | Yes                     |
| 20                                    | HOP_FREQ_SEQ_20                 | Yes                     |
| 21                                    | HOP_FREQ_SEQ_21                 | Yes                     |
| 22                                    | HOP_FREQ_SEQ_22                 | Yes                     |
| 23                                    | HOP_FREQ_SEQ_23                 | Yes                     |
| 24                                    | HOP_FREQ_SEQ_24                 | Yes                     |
| 25                                    | HOP_FREQ_SEQ_25                 | Yes                     |
| 26                                    | HOP_FREQ_SEQ_26                 | Yes                     |
| 27                                    | HOP_FREQ_SEQ_27                 | Yes                     |
| 28                                    | HOP_FREQ_SEQ_28                 | Yes                     |
| 29                                    | HOP_FREQ_SEQ_29                 | Yes                     |
| 30                                    | HOP_FREQ_SEQ_30                 | Yes                     |
|                                       |                                 | Detection Rate: 100.0 % |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.540G         | 2    | 5.513G         | 3    | 5.526G         | 4    | 5.574G         |
| 5                                                | 5.501G         | 6    | 5.717G         | 7    | 5.590G         | 8    | 5.373G         |
| 9                                                | 5.338G         | 10   | 5.534G         | 11   | 5.388G         | 12   | 5.493G         |
| 13                                               | 5.447G         | 14   | 5.554G         | 15   | 5.593G         | 16   | 5.566G         |
| 17                                               | 5.688G         | 18   | 5.715G         | 19   | 5.350G         | 20   | 5.713G         |
| 21                                               | 5.404G         | 22   | 5.374G         | 23   | 5.571G         | 24   | 5.420G         |
| 25                                               | 5.588G         | 26   | 5.277G         | 27   | 5.407G         | 28   | 5.610G         |
| 29                                               | 5.278G         | 30   | 5.710G         | 31   | 5.366G         | 32   | 5.301G         |
| 33                                               | 5.666G         | 34   | 5.551G         | 35   | 5.531G         | 36   | 5.339G         |
| 37                                               | 5.410G         | 38   | 5.303G         | 39   | 5.267G         | 40   | 5.538G         |
| 41                                               | 5.327G         | 42   | 5.701G         | 43   | 5.358G         | 44   | 5.581G         |
| 45                                               | 5.408G         | 46   | 5.584G         | 47   | 5.477G         | 48   | 5.357G         |
| 49                                               | 5.703G         | 50   | 5.376G         | 51   | 5.683G         | 52   | 5.413G         |
| 53                                               | 5.662G         | 54   | 5.423G         | 55   | 5.632G         | 56   | 5.668G         |
| 57                                               | 5.619G         | 58   | 5.281G         | 59   | 5.429G         | 60   | 5.289G         |
| 61                                               | 5.306G         | 62   | 5.337G         | 63   | 5.596G         | 64   | 5.286G         |
| 65                                               | 5.592G         | 66   | 5.379G         | 67   | 5.362G         | 68   | 5.351G         |
| 69                                               | 5.433G         | 70   | 5.271G         | 71   | 5.384G         | 72   | 5.614G         |
| 73                                               | 5.504G         | 74   | 5.296G         | 75   | 5.712G         | 76   | 5.452G         |
| 77                                               | 5.687G         | 78   | 5.533G         | 79   | 5.599G         | 80   | 5.561G         |
| 81                                               | 5.293G         | 82   | 5.300G         | 83   | 5.302G         | 84   | 5.718G         |
| 85                                               | 5.291G         | 86   | 5.456G         | 87   | 5.505G         | 88   | 5.636G         |
| 89                                               | 5.367G         | 90   | 5.348G         | 91   | 5.527G         | 92   | 5.558G         |
| 93                                               | 5.640G         | 94   | 5.559G         | 95   | 5.436G         | 96   | 5.613G         |
| 97                                               | 5.472G         | 98   | 5.707G         | 99   | 5.607G         | 100  | 5.680G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.641G         | 2    | 5.581G         | 3    | 5.679G         | 4    | 5.580G         |
| 5                                                | 5.429G         | 6    | 5.315G         | 7    | 5.582G         | 8    | 5.604G         |
| 9                                                | 5.353G         | 10   | 5.255G         | 11   | 5.260G         | 12   | 5.425G         |
| 13                                               | 5.366G         | 14   | 5.343G         | 15   | 5.478G         | 16   | 5.310G         |
| 17                                               | 5.367G         | 18   | 5.288G         | 19   | 5.595G         | 20   | 5.719G         |
| 21                                               | 5.514G         | 22   | 5.630G         | 23   | 5.327G         | 24   | 5.606G         |
| 25                                               | 5.424G         | 26   | 5.662G         | 27   | 5.482G         | 28   | 5.683G         |
| 29                                               | 5.528G         | 30   | 5.289G         | 31   | 5.700G         | 32   | 5.541G         |
| 33                                               | 5.356G         | 34   | 5.585G         | 35   | 5.506G         | 36   | 5.297G         |
| 37                                               | 5.391G         | 38   | 5.505G         | 39   | 5.511G         | 40   | 5.333G         |
| 41                                               | 5.292G         | 42   | 5.572G         | 43   | 5.329G         | 44   | 5.553G         |
| 45                                               | 5.408G         | 46   | 5.612G         | 47   | 5.532G         | 48   | 5.423G         |
| 49                                               | 5.594G         | 50   | 5.495G         | 51   | 5.499G         | 52   | 5.607G         |
| 53                                               | 5.706G         | 54   | 5.525G         | 55   | 5.692G         | 56   | 5.390G         |
| 57                                               | 5.576G         | 58   | 5.270G         | 59   | 5.549G         | 60   | 5.468G         |
| 61                                               | 5.407G         | 62   | 5.455G         | 63   | 5.448G         | 64   | 5.565G         |
| 65                                               | 5.687G         | 66   | 5.656G         | 67   | 5.335G         | 68   | 5.649G         |
| 69                                               | 5.360G         | 70   | 5.349G         | 71   | 5.504G         | 72   | 5.661G         |
| 73                                               | 5.422G         | 74   | 5.328G         | 75   | 5.311G         | 76   | 5.307G         |
| 77                                               | 5.669G         | 78   | 5.561G         | 79   | 5.521G         | 80   | 5.342G         |
| 81                                               | 5.337G         | 82   | 5.518G         | 83   | 5.441G         | 84   | 5.436G         |
| 85                                               | 5.682G         | 86   | 5.562G         | 87   | 5.466G         | 88   | 5.539G         |
| 89                                               | 5.372G         | 90   | 5.534G         | 91   | 5.284G         | 92   | 5.537G         |
| 93                                               | 5.701G         | 94   | 5.384G         | 95   | 5.251G         | 96   | 5.445G         |
| 97                                               | 5.473G         | 98   | 5.388G         | 99   | 5.280G         | 100  | 5.285G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.284G         | 2    | 5.304G         | 3    | 5.456G         | 4    | 5.489G         |
| 5                                                | 5.670G         | 6    | 5.409G         | 7    | 5.574G         | 8    | 5.448G         |
| 9                                                | 5.581G         | 10   | 5.467G         | 11   | 5.637G         | 12   | 5.651G         |
| 13                                               | 5.641G         | 14   | 5.407G         | 15   | 5.281G         | 16   | 5.321G         |
| 17                                               | 5.428G         | 18   | 5.355G         | 19   | 5.260G         | 20   | 5.276G         |
| 21                                               | 5.435G         | 22   | 5.640G         | 23   | 5.683G         | 24   | 5.333G         |
| 25                                               | 5.382G         | 26   | 5.712G         | 27   | 5.391G         | 28   | 5.401G         |
| 29                                               | 5.554G         | 30   | 5.383G         | 31   | 5.261G         | 32   | 5.315G         |
| 33                                               | 5.563G         | 34   | 5.326G         | 35   | 5.652G         | 36   | 5.393G         |
| 37                                               | 5.280G         | 38   | 5.352G         | 39   | 5.588G         | 40   | 5.595G         |
| 41                                               | 5.498G         | 42   | 5.618G         | 43   | 5.596G         | 44   | 5.307G         |
| 45                                               | 5.720G         | 46   | 5.495G         | 47   | 5.542G         | 48   | 5.469G         |
| 49                                               | 5.617G         | 50   | 5.623G         | 51   | 5.723G         | 52   | 5.440G         |
| 53                                               | 5.350G         | 54   | 5.338G         | 55   | 5.332G         | 56   | 5.602G         |
| 57                                               | 5.277G         | 58   | 5.367G         | 59   | 5.572G         | 60   | 5.611G         |
| 61                                               | 5.294G         | 62   | 5.584G         | 63   | 5.529G         | 64   | 5.678G         |
| 65                                               | 5.501G         | 66   | 5.267G         | 67   | 5.536G         | 68   | 5.301G         |
| 69                                               | 5.516G         | 70   | 5.650G         | 71   | 5.664G         | 72   | 5.662G         |
| 73                                               | 5.263G         | 74   | 5.458G         | 75   | 5.528G         | 76   | 5.707G         |
| 77                                               | 5.717G         | 78   | 5.418G         | 79   | 5.560G         | 80   | 5.604G         |
| 81                                               | 5.644G         | 82   | 5.396G         | 83   | 5.416G         | 84   | 5.514G         |
| 85                                               | 5.526G         | 86   | 5.699G         | 87   | 5.443G         | 88   | 5.674G         |
| 89                                               | 5.411G         | 90   | 5.671G         | 91   | 5.510G         | 92   | 5.257G         |
| 93                                               | 5.436G         | 94   | 5.424G         | 95   | 5.459G         | 96   | 5.273G         |
| 97                                               | 5.685G         | 98   | 5.463G         | 99   | 5.288G         | 100  | 5.275G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.278G         | 2    | 5.505G         | 3    | 5.563G         | 4    | 5.422G         |
| 5                                                | 5.685G         | 6    | 5.270G         | 7    | 5.545G         | 8    | 5.321G         |
| 9                                                | 5.641G         | 10   | 5.680G         | 11   | 5.568G         | 12   | 5.284G         |
| 13                                               | 5.675G         | 14   | 5.542G         | 15   | 5.406G         | 16   | 5.426G         |
| 17                                               | 5.346G         | 18   | 5.327G         | 19   | 5.558G         | 20   | 5.423G         |
| 21                                               | 5.285G         | 22   | 5.434G         | 23   | 5.720G         | 24   | 5.538G         |
| 25                                               | 5.357G         | 26   | 5.286G         | 27   | 5.362G         | 28   | 5.522G         |
| 29                                               | 5.520G         | 30   | 5.438G         | 31   | 5.418G         | 32   | 5.448G         |
| 33                                               | 5.605G         | 34   | 5.451G         | 35   | 5.516G         | 36   | 5.319G         |
| 37                                               | 5.694G         | 38   | 5.671G         | 39   | 5.518G         | 40   | 5.553G         |
| 41                                               | 5.252G         | 42   | 5.395G         | 43   | 5.482G         | 44   | 5.419G         |
| 45                                               | 5.397G         | 46   | 5.716G         | 47   | 5.349G         | 48   | 5.661G         |
| 49                                               | 5.296G         | 50   | 5.693G         | 51   | 5.414G         | 52   | 5.670G         |
| 53                                               | 5.356G         | 54   | 5.527G         | 55   | 5.704G         | 56   | 5.566G         |
| 57                                               | 5.429G         | 58   | 5.592G         | 59   | 5.353G         | 60   | 5.361G         |
| 61                                               | 5.475G         | 62   | 5.636G         | 63   | 5.508G         | 64   | 5.718G         |
| 65                                               | 5.484G         | 66   | 5.405G         | 67   | 5.348G         | 68   | 5.650G         |
| 69                                               | 5.412G         | 70   | 5.607G         | 71   | 5.294G         | 72   | 5.721G         |
| 73                                               | 5.565G         | 74   | 5.379G         | 75   | 5.279G         | 76   | 5.433G         |
| 77                                               | 5.578G         | 78   | 5.610G         | 79   | 5.477G         | 80   | 5.571G         |
| 81                                               | 5.276G         | 82   | 5.495G         | 83   | 5.308G         | 84   | 5.698G         |
| 85                                               | 5.572G         | 86   | 5.398G         | 87   | 5.387G         | 88   | 5.597G         |
| 89                                               | 5.688G         | 90   | 5.590G         | 91   | 5.485G         | 92   | 5.497G         |
| 93                                               | 5.253G         | 94   | 5.617G         | 95   | 5.632G         | 96   | 5.363G         |
| 97                                               | 5.628G         | 98   | 5.376G         | 99   | 5.282G         | 100  | 5.490G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.535G         | 2    | 5.444G         | 3    | 5.468G         | 4    | 5.719G         |
| 5                                                | 5.264G         | 6    | 5.349G         | 7    | 5.554G         | 8    | 5.387G         |
| 9                                                | 5.462G         | 10   | 5.632G         | 11   | 5.490G         | 12   | 5.478G         |
| 13                                               | 5.340G         | 14   | 5.494G         | 15   | 5.323G         | 16   | 5.320G         |
| 17                                               | 5.560G         | 18   | 5.435G         | 19   | 5.367G         | 20   | 5.544G         |
| 21                                               | 5.519G         | 22   | 5.401G         | 23   | 5.616G         | 24   | 5.485G         |
| 25                                               | 5.477G         | 26   | 5.482G         | 27   | 5.669G         | 28   | 5.553G         |
| 29                                               | 5.682G         | 30   | 5.308G         | 31   | 5.293G         | 32   | 5.496G         |
| 33                                               | 5.480G         | 34   | 5.593G         | 35   | 5.268G         | 36   | 5.324G         |
| 37                                               | 5.657G         | 38   | 5.587G         | 39   | 5.712G         | 40   | 5.635G         |
| 41                                               | 5.473G         | 42   | 5.441G         | 43   | 5.442G         | 44   | 5.649G         |
| 45                                               | 5.597G         | 46   | 5.517G         | 47   | 5.279G         | 48   | 5.454G         |
| 49                                               | 5.689G         | 50   | 5.456G         | 51   | 5.529G         | 52   | 5.391G         |
| 53                                               | 5.515G         | 54   | 5.350G         | 55   | 5.434G         | 56   | 5.505G         |
| 57                                               | 5.539G         | 58   | 5.582G         | 59   | 5.604G         | 60   | 5.370G         |
| 61                                               | 5.413G         | 62   | 5.414G         | 63   | 5.285G         | 64   | 5.605G         |
| 65                                               | 5.648G         | 66   | 5.345G         | 67   | 5.489G         | 68   | 5.671G         |
| 69                                               | 5.540G         | 70   | 5.289G         | 71   | 5.598G         | 72   | 5.542G         |
| 73                                               | 5.636G         | 74   | 5.381G         | 75   | 5.347G         | 76   | 5.522G         |
| 77                                               | 5.711G         | 78   | 5.693G         | 79   | 5.319G         | 80   | 5.431G         |
| 81                                               | 5.501G         | 82   | 5.486G         | 83   | 5.280G         | 84   | 5.647G         |
| 85                                               | 5.398G         | 86   | 5.259G         | 87   | 5.570G         | 88   | 5.504G         |
| 89                                               | 5.558G         | 90   | 5.426G         | 91   | 5.706G         | 92   | 5.291G         |
| 93                                               | 5.253G         | 94   | 5.662G         | 95   | 5.362G         | 96   | 5.667G         |
| 97                                               | 5.590G         | 98   | 5.569G         | 99   | 5.531G         | 100  | 5.405G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.642G         | 2    | 5.685G         | 3    | 5.613G         | 4    | 5.701G         |
| 5                                                | 5.526G         | 6    | 5.604G         | 7    | 5.329G         | 8    | 5.551G         |
| 9                                                | 5.624G         | 10   | 5.389G         | 11   | 5.696G         | 12   | 5.599G         |
| 13                                               | 5.323G         | 14   | 5.274G         | 15   | 5.293G         | 16   | 5.416G         |
| 17                                               | 5.720G         | 18   | 5.453G         | 19   | 5.655G         | 20   | 5.608G         |
| 21                                               | 5.344G         | 22   | 5.349G         | 23   | 5.399G         | 24   | 5.605G         |
| 25                                               | 5.326G         | 26   | 5.693G         | 27   | 5.674G         | 28   | 5.255G         |
| 29                                               | 5.370G         | 30   | 5.285G         | 31   | 5.666G         | 32   | 5.578G         |
| 33                                               | 5.260G         | 34   | 5.275G         | 35   | 5.409G         | 36   | 5.715G         |
| 37                                               | 5.660G         | 38   | 5.460G         | 39   | 5.324G         | 40   | 5.509G         |
| 41                                               | 5.712G         | 42   | 5.312G         | 43   | 5.480G         | 44   | 5.375G         |
| 45                                               | 5.681G         | 46   | 5.631G         | 47   | 5.714G         | 48   | 5.512G         |
| 49                                               | 5.445G         | 50   | 5.514G         | 51   | 5.354G         | 52   | 5.483G         |
| 53                                               | 5.490G         | 54   | 5.654G         | 55   | 5.386G         | 56   | 5.291G         |
| 57                                               | 5.476G         | 58   | 5.716G         | 59   | 5.362G         | 60   | 5.265G         |
| 61                                               | 5.680G         | 62   | 5.439G         | 63   | 5.541G         | 64   | 5.573G         |
| 65                                               | 5.682G         | 66   | 5.644G         | 67   | 5.414G         | 68   | 5.422G         |
| 69                                               | 5.668G         | 70   | 5.677G         | 71   | 5.609G         | 72   | 5.705G         |
| 73                                               | 5.473G         | 74   | 5.517G         | 75   | 5.482G         | 76   | 5.549G         |
| 77                                               | 5.360G         | 78   | 5.485G         | 79   | 5.684G         | 80   | 5.317G         |
| 81                                               | 5.264G         | 82   | 5.711G         | 83   | 5.355G         | 84   | 5.596G         |
| 85                                               | 5.300G         | 86   | 5.592G         | 87   | 5.303G         | 88   | 5.594G         |
| 89                                               | 5.579G         | 90   | 5.649G         | 91   | 5.340G         | 92   | 5.667G         |
| 93                                               | 5.643G         | 94   | 5.575G         | 95   | 5.396G         | 96   | 5.436G         |
| 97                                               | 5.437G         | 98   | 5.408G         | 99   | 5.561G         | 100  | 5.421G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.597G         | 2    | 5.360G         | 3    | 5.666G         | 4    | 5.431G         |
| 5                                                | 5.587G         | 6    | 5.521G         | 7    | 5.471G         | 8    | 5.553G         |
| 9                                                | 5.676G         | 10   | 5.338G         | 11   | 5.722G         | 12   | 5.347G         |
| 13                                               | 5.458G         | 14   | 5.498G         | 15   | 5.620G         | 16   | 5.641G         |
| 17                                               | 5.596G         | 18   | 5.295G         | 19   | 5.317G         | 20   | 5.605G         |
| 21                                               | 5.532G         | 22   | 5.650G         | 23   | 5.558G         | 24   | 5.700G         |
| 25                                               | 5.495G         | 26   | 5.481G         | 27   | 5.485G         | 28   | 5.390G         |
| 29                                               | 5.656G         | 30   | 5.648G         | 31   | 5.365G         | 32   | 5.708G         |
| 33                                               | 5.371G         | 34   | 5.441G         | 35   | 5.702G         | 36   | 5.504G         |
| 37                                               | 5.261G         | 38   | 5.398G         | 39   | 5.392G         | 40   | 5.572G         |
| 41                                               | 5.683G         | 42   | 5.567G         | 43   | 5.585G         | 44   | 5.623G         |
| 45                                               | 5.569G         | 46   | 5.256G         | 47   | 5.505G         | 48   | 5.649G         |
| 49                                               | 5.426G         | 50   | 5.264G         | 51   | 5.640G         | 52   | 5.690G         |
| 53                                               | 5.520G         | 54   | 5.466G         | 55   | 5.593G         | 56   | 5.568G         |
| 57                                               | 5.325G         | 58   | 5.383G         | 59   | 5.300G         | 60   | 5.389G         |
| 61                                               | 5.469G         | 62   | 5.253G         | 63   | 5.285G         | 64   | 5.724G         |
| 65                                               | 5.538G         | 66   | 5.467G         | 67   | 5.519G         | 68   | 5.686G         |
| 69                                               | 5.539G         | 70   | 5.313G         | 71   | 5.713G         | 72   | 5.312G         |
| 73                                               | 5.654G         | 74   | 5.299G         | 75   | 5.446G         | 76   | 5.366G         |
| 77                                               | 5.320G         | 78   | 5.479G         | 79   | 5.492G         | 80   | 5.340G         |
| 81                                               | 5.548G         | 82   | 5.671G         | 83   | 5.698G         | 84   | 5.674G         |
| 85                                               | 5.343G         | 86   | 5.710G         | 87   | 5.443G         | 88   | 5.503G         |
| 89                                               | 5.599G         | 90   | 5.474G         | 91   | 5.502G         | 92   | 5.437G         |
| 93                                               | 5.263G         | 94   | 5.604G         | 95   | 5.393G         | 96   | 5.372G         |
| 97                                               | 5.369G         | 98   | 5.262G         | 99   | 5.711G         | 100  | 5.527G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.667G         | 2    | 5.626G         | 3    | 5.314G         | 4    | 5.440G         |
| 5                                                | 5.527G         | 6    | 5.365G         | 7    | 5.653G         | 8    | 5.652G         |
| 9                                                | 5.469G         | 10   | 5.694G         | 11   | 5.496G         | 12   | 5.634G         |
| 13                                               | 5.517G         | 14   | 5.354G         | 15   | 5.481G         | 16   | 5.505G         |
| 17                                               | 5.292G         | 18   | 5.254G         | 19   | 5.569G         | 20   | 5.649G         |
| 21                                               | 5.433G         | 22   | 5.604G         | 23   | 5.404G         | 24   | 5.349G         |
| 25                                               | 5.416G         | 26   | 5.551G         | 27   | 5.603G         | 28   | 5.561G         |
| 29                                               | 5.386G         | 30   | 5.648G         | 31   | 5.369G         | 32   | 5.252G         |
| 33                                               | 5.635G         | 34   | 5.605G         | 35   | 5.399G         | 36   | 5.485G         |
| 37                                               | 5.391G         | 38   | 5.641G         | 39   | 5.518G         | 40   | 5.607G         |
| 41                                               | 5.529G         | 42   | 5.590G         | 43   | 5.520G         | 44   | 5.514G         |
| 45                                               | 5.409G         | 46   | 5.336G         | 47   | 5.567G         | 48   | 5.679G         |
| 49                                               | 5.698G         | 50   | 5.594G         | 51   | 5.564G         | 52   | 5.419G         |
| 53                                               | 5.657G         | 54   | 5.668G         | 55   | 5.689G         | 56   | 5.306G         |
| 57                                               | 5.385G         | 58   | 5.278G         | 59   | 5.688G         | 60   | 5.423G         |
| 61                                               | 5.674G         | 62   | 5.536G         | 63   | 5.544G         | 64   | 5.435G         |
| 65                                               | 5.251G         | 66   | 5.601G         | 67   | 5.438G         | 68   | 5.280G         |
| 69                                               | 5.260G         | 70   | 5.288G         | 71   | 5.711G         | 72   | 5.389G         |
| 73                                               | 5.640G         | 74   | 5.556G         | 75   | 5.664G         | 76   | 5.718G         |
| 77                                               | 5.677G         | 78   | 5.651G         | 79   | 5.277G         | 80   | 5.420G         |
| 81                                               | 5.300G         | 82   | 5.683G         | 83   | 5.573G         | 84   | 5.702G         |
| 85                                               | 5.256G         | 86   | 5.684G         | 87   | 5.533G         | 88   | 5.362G         |
| 89                                               | 5.443G         | 90   | 5.712G         | 91   | 5.612G         | 92   | 5.606G         |
| 93                                               | 5.491G         | 94   | 5.364G         | 95   | 5.338G         | 96   | 5.417G         |
| 97                                               | 5.428G         | 98   | 5.553G         | 99   | 5.595G         | 100  | 5.583G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.652G         | 2    | 5.260G         | 3    | 5.508G         | 4    | 5.643G         |
| 5                                                | 5.653G         | 6    | 5.659G         | 7    | 5.381G         | 8    | 5.683G         |
| 9                                                | 5.724G         | 10   | 5.711G         | 11   | 5.577G         | 12   | 5.333G         |
| 13                                               | 5.682G         | 14   | 5.307G         | 15   | 5.258G         | 16   | 5.603G         |
| 17                                               | 5.605G         | 18   | 5.534G         | 19   | 5.520G         | 20   | 5.491G         |
| 21                                               | 5.367G         | 22   | 5.672G         | 23   | 5.355G         | 24   | 5.372G         |
| 25                                               | 5.651G         | 26   | 5.541G         | 27   | 5.274G         | 28   | 5.666G         |
| 29                                               | 5.498G         | 30   | 5.336G         | 31   | 5.420G         | 32   | 5.701G         |
| 33                                               | 5.496G         | 34   | 5.707G         | 35   | 5.361G         | 36   | 5.608G         |
| 37                                               | 5.582G         | 38   | 5.631G         | 39   | 5.289G         | 40   | 5.386G         |
| 41                                               | 5.568G         | 42   | 5.671G         | 43   | 5.455G         | 44   | 5.279G         |
| 45                                               | 5.558G         | 46   | 5.595G         | 47   | 5.363G         | 48   | 5.352G         |
| 49                                               | 5.549G         | 50   | 5.434G         | 51   | 5.602G         | 52   | 5.362G         |
| 53                                               | 5.379G         | 54   | 5.419G         | 55   | 5.554G         | 56   | 5.686G         |
| 57                                               | 5.366G         | 58   | 5.516G         | 59   | 5.285G         | 60   | 5.405G         |
| 61                                               | 5.319G         | 62   | 5.596G         | 63   | 5.394G         | 64   | 5.385G         |
| 65                                               | 5.356G         | 66   | 5.300G         | 67   | 5.641G         | 68   | 5.280G         |
| 69                                               | 5.332G         | 70   | 5.626G         | 71   | 5.674G         | 72   | 5.295G         |
| 73                                               | 5.664G         | 74   | 5.600G         | 75   | 5.523G         | 76   | 5.440G         |
| 77                                               | 5.286G         | 78   | 5.490G         | 79   | 5.259G         | 80   | 5.593G         |
| 81                                               | 5.531G         | 82   | 5.634G         | 83   | 5.489G         | 84   | 5.559G         |
| 85                                               | 5.527G         | 86   | 5.578G         | 87   | 5.322G         | 88   | 5.589G         |
| 89                                               | 5.709G         | 90   | 5.525G         | 91   | 5.535G         | 92   | 5.537G         |
| 93                                               | 5.636G         | 94   | 5.521G         | 95   | 5.323G         | 96   | 5.716G         |
| 97                                               | 5.611G         | 98   | 5.632G         | 99   | 5.282G         | 100  | 5.598G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.448G         | 2    | 5.353G         | 3    | 5.542G         | 4    | 5.384G         |
| 5                                                | 5.676G         | 6    | 5.609G         | 7    | 5.518G         | 8    | 5.454G         |
| 9                                                | 5.662G         | 10   | 5.516G         | 11   | 5.357G         | 12   | 5.406G         |
| 13                                               | 5.491G         | 14   | 5.438G         | 15   | 5.408G         | 16   | 5.263G         |
| 17                                               | 5.625G         | 18   | 5.559G         | 19   | 5.652G         | 20   | 5.280G         |
| 21                                               | 5.577G         | 22   | 5.254G         | 23   | 5.556G         | 24   | 5.472G         |
| 25                                               | 5.672G         | 26   | 5.282G         | 27   | 5.639G         | 28   | 5.527G         |
| 29                                               | 5.612G         | 30   | 5.569G         | 31   | 5.555G         | 32   | 5.630G         |
| 33                                               | 5.347G         | 34   | 5.607G         | 35   | 5.647G         | 36   | 5.425G         |
| 37                                               | 5.422G         | 38   | 5.329G         | 39   | 5.501G         | 40   | 5.704G         |
| 41                                               | 5.364G         | 42   | 5.374G         | 43   | 5.702G         | 44   | 5.554G         |
| 45                                               | 5.644G         | 46   | 5.277G         | 47   | 5.626G         | 48   | 5.418G         |
| 49                                               | 5.587G         | 50   | 5.604G         | 51   | 5.677G         | 52   | 5.558G         |
| 53                                               | 5.568G         | 54   | 5.534G         | 55   | 5.497G         | 56   | 5.401G         |
| 57                                               | 5.252G         | 58   | 5.466G         | 59   | 5.571G         | 60   | 5.584G         |
| 61                                               | 5.714G         | 62   | 5.682G         | 63   | 5.552G         | 64   | 5.610G         |
| 65                                               | 5.597G         | 66   | 5.392G         | 67   | 5.370G         | 68   | 5.456G         |
| 69                                               | 5.316G         | 70   | 5.274G         | 71   | 5.506G         | 72   | 5.523G         |
| 73                                               | 5.537G         | 74   | 5.533G         | 75   | 5.546G         | 76   | 5.645G         |
| 77                                               | 5.276G         | 78   | 5.505G         | 79   | 5.484G         | 80   | 5.684G         |
| 81                                               | 5.679G         | 82   | 5.259G         | 83   | 5.285G         | 84   | 5.668G         |
| 85                                               | 5.723G         | 86   | 5.656G         | 87   | 5.673G         | 88   | 5.255G         |
| 89                                               | 5.594G         | 90   | 5.339G         | 91   | 5.268G         | 92   | 5.502G         |
| 93                                               | 5.496G         | 94   | 5.503G         | 95   | 5.323G         | 96   | 5.273G         |
| 97                                               | 5.342G         | 98   | 5.711G         | 99   | 5.410G         | 100  | 5.661G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.407G         | 2    | 5.441G         | 3    | 5.498G         | 4    | 5.515G         |
| 5                                                | 5.358G         | 6    | 5.316G         | 7    | 5.659G         | 8    | 5.695G         |
| 9                                                | 5.542G         | 10   | 5.393G         | 11   | 5.592G         | 12   | 5.682G         |
| 13                                               | 5.332G         | 14   | 5.675G         | 15   | 5.608G         | 16   | 5.588G         |
| 17                                               | 5.578G         | 18   | 5.291G         | 19   | 5.614G         | 20   | 5.282G         |
| 21                                               | 5.648G         | 22   | 5.476G         | 23   | 5.273G         | 24   | 5.312G         |
| 25                                               | 5.697G         | 26   | 5.658G         | 27   | 5.349G         | 28   | 5.600G         |
| 29                                               | 5.279G         | 30   | 5.431G         | 31   | 5.484G         | 32   | 5.372G         |
| 33                                               | 5.283G         | 34   | 5.378G         | 35   | 5.401G         | 36   | 5.505G         |
| 37                                               | 5.471G         | 38   | 5.295G         | 39   | 5.470G         | 40   | 5.341G         |
| 41                                               | 5.669G         | 42   | 5.366G         | 43   | 5.290G         | 44   | 5.475G         |
| 45                                               | 5.549G         | 46   | 5.633G         | 47   | 5.430G         | 48   | 5.539G         |
| 49                                               | 5.425G         | 50   | 5.387G         | 51   | 5.511G         | 52   | 5.373G         |
| 53                                               | 5.514G         | 54   | 5.634G         | 55   | 5.297G         | 56   | 5.461G         |
| 57                                               | 5.392G         | 58   | 5.516G         | 59   | 5.270G         | 60   | 5.280G         |
| 61                                               | 5.427G         | 62   | 5.570G         | 63   | 5.289G         | 64   | 5.310G         |
| 65                                               | 5.411G         | 66   | 5.412G         | 67   | 5.711G         | 68   | 5.568G         |
| 69                                               | 5.386G         | 70   | 5.655G         | 71   | 5.409G         | 72   | 5.374G         |
| 73                                               | 5.437G         | 74   | 5.302G         | 75   | 5.617G         | 76   | 5.572G         |
| 77                                               | 5.370G         | 78   | 5.667G         | 79   | 5.601G         | 80   | 5.447G         |
| 81                                               | 5.551G         | 82   | 5.525G         | 83   | 5.292G         | 84   | 5.481G         |
| 85                                               | 5.571G         | 86   | 5.605G         | 87   | 5.395G         | 88   | 5.496G         |
| 89                                               | 5.402G         | 90   | 5.644G         | 91   | 5.631G         | 92   | 5.432G         |
| 93                                               | 5.694G         | 94   | 5.662G         | 95   | 5.540G         | 96   | 5.489G         |
| 97                                               | 5.463G         | 98   | 5.521G         | 99   | 5.486G         | 100  | 5.616G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.544G         | 2    | 5.339G         | 3    | 5.529G         | 4    | 5.472G         |
| 5                                                | 5.508G         | 6    | 5.431G         | 7    | 5.596G         | 8    | 5.270G         |
| 9                                                | 5.327G         | 10   | 5.379G         | 11   | 5.662G         | 12   | 5.462G         |
| 13                                               | 5.273G         | 14   | 5.617G         | 15   | 5.651G         | 16   | 5.377G         |
| 17                                               | 5.686G         | 18   | 5.415G         | 19   | 5.488G         | 20   | 5.380G         |
| 21                                               | 5.351G         | 22   | 5.688G         | 23   | 5.260G         | 24   | 5.530G         |
| 25                                               | 5.589G         | 26   | 5.703G         | 27   | 5.632G         | 28   | 5.609G         |
| 29                                               | 5.333G         | 30   | 5.286G         | 31   | 5.507G         | 32   | 5.693G         |
| 33                                               | 5.664G         | 34   | 5.582G         | 35   | 5.461G         | 36   | 5.358G         |
| 37                                               | 5.667G         | 38   | 5.555G         | 39   | 5.367G         | 40   | 5.570G         |
| 41                                               | 5.711G         | 42   | 5.372G         | 43   | 5.537G         | 44   | 5.267G         |
| 45                                               | 5.301G         | 46   | 5.585G         | 47   | 5.288G         | 48   | 5.583G         |
| 49                                               | 5.398G         | 50   | 5.421G         | 51   | 5.291G         | 52   | 5.445G         |
| 53                                               | 5.541G         | 54   | 5.504G         | 55   | 5.384G         | 56   | 5.299G         |
| 57                                               | 5.543G         | 58   | 5.556G         | 59   | 5.496G         | 60   | 5.477G         |
| 61                                               | 5.423G         | 62   | 5.678G         | 63   | 5.624G         | 64   | 5.353G         |
| 65                                               | 5.413G         | 66   | 5.296G         | 67   | 5.706G         | 68   | 5.685G         |
| 69                                               | 5.473G         | 70   | 5.722G         | 71   | 5.424G         | 72   | 5.525G         |
| 73                                               | 5.674G         | 74   | 5.359G         | 75   | 5.325G         | 76   | 5.489G         |
| 77                                               | 5.614G         | 78   | 5.622G         | 79   | 5.294G         | 80   | 5.573G         |
| 81                                               | 5.494G         | 82   | 5.326G         | 83   | 5.394G         | 84   | 5.482G         |
| 85                                               | 5.650G         | 86   | 5.435G         | 87   | 5.659G         | 88   | 5.400G         |
| 89                                               | 5.637G         | 90   | 5.355G         | 91   | 5.258G         | 92   | 5.449G         |
| 93                                               | 5.718G         | 94   | 5.676G         | 95   | 5.447G         | 96   | 5.549G         |
| 97                                               | 5.640G         | 98   | 5.645G         | 99   | 5.276G         | 100  | 5.533G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.358G         | 2    | 5.430G         | 3    | 5.615G         | 4    | 5.653G         |
| 5                                                | 5.439G         | 6    | 5.310G         | 7    | 5.399G         | 8    | 5.722G         |
| 9                                                | 5.721G         | 10   | 5.494G         | 11   | 5.352G         | 12   | 5.449G         |
| 13                                               | 5.538G         | 14   | 5.337G         | 15   | 5.438G         | 16   | 5.262G         |
| 17                                               | 5.307G         | 18   | 5.409G         | 19   | 5.503G         | 20   | 5.419G         |
| 21                                               | 5.487G         | 22   | 5.282G         | 23   | 5.417G         | 24   | 5.295G         |
| 25                                               | 5.644G         | 26   | 5.622G         | 27   | 5.383G         | 28   | 5.334G         |
| 29                                               | 5.692G         | 30   | 5.658G         | 31   | 5.598G         | 32   | 5.372G         |
| 33                                               | 5.573G         | 34   | 5.576G         | 35   | 5.491G         | 36   | 5.621G         |
| 37                                               | 5.380G         | 38   | 5.586G         | 39   | 5.527G         | 40   | 5.698G         |
| 41                                               | 5.342G         | 42   | 5.275G         | 43   | 5.492G         | 44   | 5.630G         |
| 45                                               | 5.529G         | 46   | 5.724G         | 47   | 5.269G         | 48   | 5.411G         |
| 49                                               | 5.474G         | 50   | 5.608G         | 51   | 5.553G         | 52   | 5.602G         |
| 53                                               | 5.429G         | 54   | 5.478G         | 55   | 5.312G         | 56   | 5.318G         |
| 57                                               | 5.673G         | 58   | 5.297G         | 59   | 5.369G         | 60   | 5.377G         |
| 61                                               | 5.375G         | 62   | 5.285G         | 63   | 5.558G         | 64   | 5.260G         |
| 65                                               | 5.390G         | 66   | 5.268G         | 67   | 5.656G         | 68   | 5.370G         |
| 69                                               | 5.596G         | 70   | 5.605G         | 71   | 5.591G         | 72   | 5.629G         |
| 73                                               | 5.506G         | 74   | 5.351G         | 75   | 5.281G         | 76   | 5.336G         |
| 77                                               | 5.524G         | 78   | 5.521G         | 79   | 5.461G         | 80   | 5.367G         |
| 81                                               | 5.296G         | 82   | 5.347G         | 83   | 5.435G         | 84   | 5.329G         |
| 85                                               | 5.340G         | 86   | 5.299G         | 87   | 5.680G         | 88   | 5.448G         |
| 89                                               | 5.261G         | 90   | 5.510G         | 91   | 5.265G         | 92   | 5.555G         |
| 93                                               | 5.595G         | 94   | 5.457G         | 95   | 5.280G         | 96   | 5.359G         |
| 97                                               | 5.410G         | 98   | 5.509G         | 99   | 5.379G         | 100  | 5.447G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.393G         | 2    | 5.673G         | 3    | 5.362G         | 4    | 5.390G         |
| 5                                                | 5.528G         | 6    | 5.625G         | 7    | 5.315G         | 8    | 5.383G         |
| 9                                                | 5.653G         | 10   | 5.342G         | 11   | 5.572G         | 12   | 5.613G         |
| 13                                               | 5.252G         | 14   | 5.520G         | 15   | 5.685G         | 16   | 5.292G         |
| 17                                               | 5.268G         | 18   | 5.450G         | 19   | 5.259G         | 20   | 5.674G         |
| 21                                               | 5.321G         | 22   | 5.371G         | 23   | 5.531G         | 24   | 5.381G         |
| 25                                               | 5.284G         | 26   | 5.403G         | 27   | 5.599G         | 28   | 5.549G         |
| 29                                               | 5.400G         | 30   | 5.482G         | 31   | 5.281G         | 32   | 5.454G         |
| 33                                               | 5.689G         | 34   | 5.290G         | 35   | 5.481G         | 36   | 5.540G         |
| 37                                               | 5.571G         | 38   | 5.368G         | 39   | 5.440G         | 40   | 5.555G         |
| 41                                               | 5.607G         | 42   | 5.399G         | 43   | 5.713G         | 44   | 5.301G         |
| 45                                               | 5.423G         | 46   | 5.369G         | 47   | 5.445G         | 48   | 5.566G         |
| 49                                               | 5.574G         | 50   | 5.724G         | 51   | 5.639G         | 52   | 5.406G         |
| 53                                               | 5.407G         | 54   | 5.543G         | 55   | 5.476G         | 56   | 5.660G         |
| 57                                               | 5.633G         | 58   | 5.700G         | 59   | 5.417G         | 60   | 5.439G         |
| 61                                               | 5.589G         | 62   | 5.585G         | 63   | 5.435G         | 64   | 5.500G         |
| 65                                               | 5.715G         | 66   | 5.280G         | 67   | 5.697G         | 68   | 5.366G         |
| 69                                               | 5.442G         | 70   | 5.558G         | 71   | 5.286G         | 72   | 5.448G         |
| 73                                               | 5.716G         | 74   | 5.508G         | 75   | 5.634G         | 76   | 5.488G         |
| 77                                               | 5.657G         | 78   | 5.554G         | 79   | 5.461G         | 80   | 5.721G         |
| 81                                               | 5.517G         | 82   | 5.269G         | 83   | 5.584G         | 84   | 5.693G         |
| 85                                               | 5.587G         | 86   | 5.502G         | 87   | 5.431G         | 88   | 5.405G         |
| 89                                               | 5.272G         | 90   | 5.707G         | 91   | 5.667G         | 92   | 5.418G         |
| 93                                               | 5.662G         | 94   | 5.387G         | 95   | 5.610G         | 96   | 5.536G         |
| 97                                               | 5.485G         | 98   | 5.605G         | 99   | 5.526G         | 100  | 5.279G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.293G         | 2    | 5.401G         | 3    | 5.260G         | 4    | 5.640G         |
| 5                                                | 5.308G         | 6    | 5.684G         | 7    | 5.527G         | 8    | 5.417G         |
| 9                                                | 5.419G         | 10   | 5.660G         | 11   | 5.495G         | 12   | 5.628G         |
| 13                                               | 5.363G         | 14   | 5.470G         | 15   | 5.517G         | 16   | 5.412G         |
| 17                                               | 5.446G         | 18   | 5.302G         | 19   | 5.567G         | 20   | 5.712G         |
| 21                                               | 5.272G         | 22   | 5.335G         | 23   | 5.582G         | 24   | 5.500G         |
| 25                                               | 5.311G         | 26   | 5.550G         | 27   | 5.378G         | 28   | 5.601G         |
| 29                                               | 5.671G         | 30   | 5.667G         | 31   | 5.452G         | 32   | 5.271G         |
| 33                                               | 5.283G         | 34   | 5.719G         | 35   | 5.536G         | 36   | 5.652G         |
| 37                                               | 5.526G         | 38   | 5.481G         | 39   | 5.657G         | 40   | 5.254G         |
| 41                                               | 5.343G         | 42   | 5.505G         | 43   | 5.542G         | 44   | 5.483G         |
| 45                                               | 5.342G         | 46   | 5.259G         | 47   | 5.710G         | 48   | 5.545G         |
| 49                                               | 5.410G         | 50   | 5.516G         | 51   | 5.489G         | 52   | 5.696G         |
| 53                                               | 5.512G         | 54   | 5.554G         | 55   | 5.571G         | 56   | 5.433G         |
| 57                                               | 5.445G         | 58   | 5.634G         | 59   | 5.345G         | 60   | 5.434G         |
| 61                                               | 5.716G         | 62   | 5.613G         | 63   | 5.541G         | 64   | 5.268G         |
| 65                                               | 5.282G         | 66   | 5.252G         | 67   | 5.442G         | 68   | 5.488G         |
| 69                                               | 5.703G         | 70   | 5.586G         | 71   | 5.349G         | 72   | 5.544G         |
| 73                                               | 5.325G         | 74   | 5.514G         | 75   | 5.456G         | 76   | 5.508G         |
| 77                                               | 5.403G         | 78   | 5.387G         | 79   | 5.406G         | 80   | 5.653G         |
| 81                                               | 5.497G         | 82   | 5.454G         | 83   | 5.307G         | 84   | 5.430G         |
| 85                                               | 5.377G         | 86   | 5.431G         | 87   | 5.382G         | 88   | 5.539G         |
| 89                                               | 5.251G         | 90   | 5.420G         | 91   | 5.638G         | 92   | 5.676G         |
| 93                                               | 5.592G         | 94   | 5.579G         | 95   | 5.463G         | 96   | 5.678G         |
| 97                                               | 5.262G         | 98   | 5.364G         | 99   | 5.388G         | 100  | 5.261G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.700G         | 2    | 5.350G         | 3    | 5.410G         | 4    | 5.401G         |
| 5                                                | 5.669G         | 6    | 5.409G         | 7    | 5.462G         | 8    | 5.338G         |
| 9                                                | 5.266G         | 10   | 5.526G         | 11   | 5.681G         | 12   | 5.337G         |
| 13                                               | 5.420G         | 14   | 5.267G         | 15   | 5.516G         | 16   | 5.629G         |
| 17                                               | 5.389G         | 18   | 5.299G         | 19   | 5.490G         | 20   | 5.398G         |
| 21                                               | 5.380G         | 22   | 5.418G         | 23   | 5.523G         | 24   | 5.655G         |
| 25                                               | 5.360G         | 26   | 5.328G         | 27   | 5.397G         | 28   | 5.639G         |
| 29                                               | 5.417G         | 30   | 5.423G         | 31   | 5.540G         | 32   | 5.342G         |
| 33                                               | 5.656G         | 34   | 5.296G         | 35   | 5.491G         | 36   | 5.635G         |
| 37                                               | 5.395G         | 38   | 5.255G         | 39   | 5.556G         | 40   | 5.254G         |
| 41                                               | 5.278G         | 42   | 5.648G         | 43   | 5.295G         | 44   | 5.576G         |
| 45                                               | 5.686G         | 46   | 5.569G         | 47   | 5.439G         | 48   | 5.476G         |
| 49                                               | 5.614G         | 50   | 5.422G         | 51   | 5.336G         | 52   | 5.367G         |
| 53                                               | 5.259G         | 54   | 5.461G         | 55   | 5.566G         | 56   | 5.702G         |
| 57                                               | 5.345G         | 58   | 5.307G         | 59   | 5.319G         | 60   | 5.289G         |
| 61                                               | 5.517G         | 62   | 5.281G         | 63   | 5.581G         | 64   | 5.673G         |
| 65                                               | 5.489G         | 66   | 5.339G         | 67   | 5.436G         | 68   | 5.352G         |
| 69                                               | 5.440G         | 70   | 5.634G         | 71   | 5.504G         | 72   | 5.411G         |
| 73                                               | 5.407G         | 74   | 5.625G         | 75   | 5.601G         | 76   | 5.678G         |
| 77                                               | 5.671G         | 78   | 5.282G         | 79   | 5.710G         | 80   | 5.324G         |
| 81                                               | 5.264G         | 82   | 5.536G         | 83   | 5.633G         | 84   | 5.499G         |
| 85                                               | 5.271G         | 86   | 5.568G         | 87   | 5.559G         | 88   | 5.644G         |
| 89                                               | 5.514G         | 90   | 5.664G         | 91   | 5.326G         | 92   | 5.294G         |
| 93                                               | 5.646G         | 94   | 5.315G         | 95   | 5.340G         | 96   | 5.408G         |
| 97                                               | 5.638G         | 98   | 5.599G         | 99   | 5.670G         | 100  | 5.561G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.563G         | 2    | 5.478G         | 3    | 5.723G         | 4    | 5.319G         |
| 5                                                | 5.374G         | 6    | 5.492G         | 7    | 5.469G         | 8    | 5.292G         |
| 9                                                | 5.525G         | 10   | 5.252G         | 11   | 5.350G         | 12   | 5.608G         |
| 13                                               | 5.323G         | 14   | 5.681G         | 15   | 5.388G         | 16   | 5.545G         |
| 17                                               | 5.291G         | 18   | 5.517G         | 19   | 5.253G         | 20   | 5.383G         |
| 21                                               | 5.489G         | 22   | 5.654G         | 23   | 5.704G         | 24   | 5.616G         |
| 25                                               | 5.621G         | 26   | 5.593G         | 27   | 5.435G         | 28   | 5.332G         |
| 29                                               | 5.420G         | 30   | 5.375G         | 31   | 5.587G         | 32   | 5.610G         |
| 33                                               | 5.498G         | 34   | 5.376G         | 35   | 5.661G         | 36   | 5.596G         |
| 37                                               | 5.413G         | 38   | 5.269G         | 39   | 5.701G         | 40   | 5.510G         |
| 41                                               | 5.266G         | 42   | 5.626G         | 43   | 5.516G         | 44   | 5.483G         |
| 45                                               | 5.467G         | 46   | 5.518G         | 47   | 5.586G         | 48   | 5.255G         |
| 49                                               | 5.512G         | 50   | 5.315G         | 51   | 5.639G         | 52   | 5.316G         |
| 53                                               | 5.667G         | 54   | 5.625G         | 55   | 5.495G         | 56   | 5.560G         |
| 57                                               | 5.455G         | 58   | 5.286G         | 59   | 5.324G         | 60   | 5.678G         |
| 61                                               | 5.555G         | 62   | 5.594G         | 63   | 5.662G         | 64   | 5.505G         |
| 65                                               | 5.320G         | 66   | 5.685G         | 67   | 5.282G         | 68   | 5.335G         |
| 69                                               | 5.677G         | 70   | 5.585G         | 71   | 5.526G         | 72   | 5.670G         |
| 73                                               | 5.400G         | 74   | 5.541G         | 75   | 5.488G         | 76   | 5.477G         |
| 77                                               | 5.480G         | 78   | 5.507G         | 79   | 5.449G         | 80   | 5.385G         |
| 81                                               | 5.473G         | 82   | 5.412G         | 83   | 5.714G         | 84   | 5.549G         |
| 85                                               | 5.690G         | 86   | 5.295G         | 87   | 5.619G         | 88   | 5.683G         |
| 89                                               | 5.411G         | 90   | 5.343G         | 91   | 5.664G         | 92   | 5.637G         |
| 93                                               | 5.351G         | 94   | 5.285G         | 95   | 5.691G         | 96   | 5.554G         |
| 97                                               | 5.415G         | 98   | 5.530G         | 99   | 5.692G         | 100  | 5.452G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.497G         | 2    | 5.599G         | 3    | 5.670G         | 4    | 5.665G         |
| 5                                                | 5.351G         | 6    | 5.278G         | 7    | 5.388G         | 8    | 5.600G         |
| 9                                                | 5.263G         | 10   | 5.572G         | 11   | 5.364G         | 12   | 5.532G         |
| 13                                               | 5.643G         | 14   | 5.487G         | 15   | 5.486G         | 16   | 5.631G         |
| 17                                               | 5.515G         | 18   | 5.492G         | 19   | 5.373G         | 20   | 5.442G         |
| 21                                               | 5.358G         | 22   | 5.293G         | 23   | 5.562G         | 24   | 5.355G         |
| 25                                               | 5.496G         | 26   | 5.467G         | 27   | 5.679G         | 28   | 5.707G         |
| 29                                               | 5.607G         | 30   | 5.513G         | 31   | 5.489G         | 32   | 5.485G         |
| 33                                               | 5.320G         | 34   | 5.418G         | 35   | 5.621G         | 36   | 5.416G         |
| 37                                               | 5.522G         | 38   | 5.407G         | 39   | 5.303G         | 40   | 5.357G         |
| 41                                               | 5.378G         | 42   | 5.542G         | 43   | 5.678G         | 44   | 5.452G         |
| 45                                               | 5.574G         | 46   | 5.449G         | 47   | 5.546G         | 48   | 5.610G         |
| 49                                               | 5.434G         | 50   | 5.613G         | 51   | 5.650G         | 52   | 5.469G         |
| 53                                               | 5.281G         | 54   | 5.608G         | 55   | 5.524G         | 56   | 5.529G         |
| 57                                               | 5.428G         | 58   | 5.661G         | 59   | 5.544G         | 60   | 5.512G         |
| 61                                               | 5.393G         | 62   | 5.411G         | 63   | 5.471G         | 64   | 5.462G         |
| 65                                               | 5.504G         | 66   | 5.399G         | 67   | 5.638G         | 68   | 5.298G         |
| 69                                               | 5.395G         | 70   | 5.553G         | 71   | 5.273G         | 72   | 5.578G         |
| 73                                               | 5.463G         | 74   | 5.423G         | 75   | 5.307G         | 76   | 5.516G         |
| 77                                               | 5.507G         | 78   | 5.480G         | 79   | 5.360G         | 80   | 5.721G         |
| 81                                               | 5.598G         | 82   | 5.376G         | 83   | 5.494G         | 84   | 5.398G         |
| 85                                               | 5.595G         | 86   | 5.521G         | 87   | 5.305G         | 88   | 5.446G         |
| 89                                               | 5.275G         | 90   | 5.443G         | 91   | 5.316G         | 92   | 5.437G         |
| 93                                               | 5.549G         | 94   | 5.693G         | 95   | 5.269G         | 96   | 5.295G         |
| 97                                               | 5.668G         | 98   | 5.586G         | 99   | 5.719G         | 100  | 5.615G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.691G         | 2    | 5.551G         | 3    | 5.579G         | 4    | 5.350G         |
| 5                                                | 5.688G         | 6    | 5.622G         | 7    | 5.294G         | 8    | 5.547G         |
| 9                                                | 5.460G         | 10   | 5.446G         | 11   | 5.270G         | 12   | 5.541G         |
| 13                                               | 5.620G         | 14   | 5.571G         | 15   | 5.384G         | 16   | 5.633G         |
| 17                                               | 5.477G         | 18   | 5.503G         | 19   | 5.553G         | 20   | 5.629G         |
| 21                                               | 5.472G         | 22   | 5.542G         | 23   | 5.528G         | 24   | 5.544G         |
| 25                                               | 5.613G         | 26   | 5.700G         | 27   | 5.434G         | 28   | 5.358G         |
| 29                                               | 5.525G         | 30   | 5.305G         | 31   | 5.644G         | 32   | 5.516G         |
| 33                                               | 5.648G         | 34   | 5.684G         | 35   | 5.488G         | 36   | 5.478G         |
| 37                                               | 5.498G         | 38   | 5.335G         | 39   | 5.441G         | 40   | 5.361G         |
| 41                                               | 5.411G         | 42   | 5.420G         | 43   | 5.396G         | 44   | 5.515G         |
| 45                                               | 5.353G         | 46   | 5.266G         | 47   | 5.451G         | 48   | 5.386G         |
| 49                                               | 5.617G         | 50   | 5.588G         | 51   | 5.374G         | 52   | 5.532G         |
| 53                                               | 5.666G         | 54   | 5.669G         | 55   | 5.314G         | 56   | 5.431G         |
| 57                                               | 5.520G         | 58   | 5.306G         | 59   | 5.272G         | 60   | 5.279G         |
| 61                                               | 5.634G         | 62   | 5.654G         | 63   | 5.619G         | 64   | 5.504G         |
| 65                                               | 5.334G         | 66   | 5.685G         | 67   | 5.690G         | 68   | 5.646G         |
| 69                                               | 5.575G         | 70   | 5.641G         | 71   | 5.297G         | 72   | 5.282G         |
| 73                                               | 5.713G         | 74   | 5.479G         | 75   | 5.663G         | 76   | 5.695G         |
| 77                                               | 5.492G         | 78   | 5.493G         | 79   | 5.668G         | 80   | 5.327G         |
| 81                                               | 5.288G         | 82   | 5.296G         | 83   | 5.413G         | 84   | 5.511G         |
| 85                                               | 5.486G         | 86   | 5.597G         | 87   | 5.286G         | 88   | 5.661G         |
| 89                                               | 5.421G         | 90   | 5.405G         | 91   | 5.536G         | 92   | 5.719G         |
| 93                                               | 5.518G         | 94   | 5.590G         | 95   | 5.608G         | 96   | 5.408G         |
| 97                                               | 5.582G         | 98   | 5.303G         | 99   | 5.449G         | 100  | 5.414G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.680G         | 2    | 5.483G         | 3    | 5.416G         | 4    | 5.549G         |
| 5                                                | 5.475G         | 6    | 5.321G         | 7    | 5.633G         | 8    | 5.278G         |
| 9                                                | 5.311G         | 10   | 5.524G         | 11   | 5.678G         | 12   | 5.521G         |
| 13                                               | 5.605G         | 14   | 5.367G         | 15   | 5.691G         | 16   | 5.672G         |
| 17                                               | 5.370G         | 18   | 5.504G         | 19   | 5.488G         | 20   | 5.433G         |
| 21                                               | 5.465G         | 22   | 5.282G         | 23   | 5.266G         | 24   | 5.701G         |
| 25                                               | 5.709G         | 26   | 5.267G         | 27   | 5.445G         | 28   | 5.385G         |
| 29                                               | 5.623G         | 30   | 5.299G         | 31   | 5.419G         | 32   | 5.707G         |
| 33                                               | 5.617G         | 34   | 5.322G         | 35   | 5.498G         | 36   | 5.632G         |
| 37                                               | 5.649G         | 38   | 5.546G         | 39   | 5.446G         | 40   | 5.541G         |
| 41                                               | 5.599G         | 42   | 5.630G         | 43   | 5.256G         | 44   | 5.568G         |
| 45                                               | 5.566G         | 46   | 5.537G         | 47   | 5.534G         | 48   | 5.277G         |
| 49                                               | 5.618G         | 50   | 5.374G         | 51   | 5.455G         | 52   | 5.283G         |
| 53                                               | 5.564G         | 54   | 5.312G         | 55   | 5.693G         | 56   | 5.436G         |
| 57                                               | 5.338G         | 58   | 5.372G         | 59   | 5.272G         | 60   | 5.369G         |
| 61                                               | 5.696G         | 62   | 5.507G         | 63   | 5.695G         | 64   | 5.529G         |
| 65                                               | 5.317G         | 66   | 5.384G         | 67   | 5.297G         | 68   | 5.494G         |
| 69                                               | 5.366G         | 70   | 5.705G         | 71   | 5.300G         | 72   | 5.715G         |
| 73                                               | 5.481G         | 74   | 5.287G         | 75   | 5.698G         | 76   | 5.301G         |
| 77                                               | 5.655G         | 78   | 5.670G         | 79   | 5.264G         | 80   | 5.420G         |
| 81                                               | 5.262G         | 82   | 5.676G         | 83   | 5.683G         | 84   | 5.394G         |
| 85                                               | 5.540G         | 86   | 5.337G         | 87   | 5.326G         | 88   | 5.431G         |
| 89                                               | 5.381G         | 90   | 5.505G         | 91   | 5.515G         | 92   | 5.275G         |
| 93                                               | 5.408G         | 94   | 5.690G         | 95   | 5.306G         | 96   | 5.359G         |
| 97                                               | 5.427G         | 98   | 5.342G         | 99   | 5.356G         | 100  | 5.462G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.600G         | 2    | 5.680G         | 3    | 5.444G         | 4    | 5.459G         |
| 5                                                | 5.718G         | 6    | 5.298G         | 7    | 5.441G         | 8    | 5.605G         |
| 9                                                | 5.622G         | 10   | 5.505G         | 11   | 5.286G         | 12   | 5.634G         |
| 13                                               | 5.683G         | 14   | 5.583G         | 15   | 5.428G         | 16   | 5.667G         |
| 17                                               | 5.570G         | 18   | 5.549G         | 19   | 5.553G         | 20   | 5.353G         |
| 21                                               | 5.602G         | 22   | 5.544G         | 23   | 5.377G         | 24   | 5.341G         |
| 25                                               | 5.677G         | 26   | 5.713G         | 27   | 5.629G         | 28   | 5.321G         |
| 29                                               | 5.483G         | 30   | 5.363G         | 31   | 5.636G         | 32   | 5.504G         |
| 33                                               | 5.595G         | 34   | 5.384G         | 35   | 5.474G         | 36   | 5.625G         |
| 37                                               | 5.269G         | 38   | 5.624G         | 39   | 5.665G         | 40   | 5.375G         |
| 41                                               | 5.712G         | 42   | 5.345G         | 43   | 5.418G         | 44   | 5.457G         |
| 45                                               | 5.311G         | 46   | 5.656G         | 47   | 5.507G         | 48   | 5.429G         |
| 49                                               | 5.440G         | 50   | 5.320G         | 51   | 5.540G         | 52   | 5.477G         |
| 53                                               | 5.411G         | 54   | 5.561G         | 55   | 5.352G         | 56   | 5.317G         |
| 57                                               | 5.497G         | 58   | 5.423G         | 59   | 5.576G         | 60   | 5.367G         |
| 61                                               | 5.509G         | 62   | 5.472G         | 63   | 5.641G         | 64   | 5.597G         |
| 65                                               | 5.559G         | 66   | 5.585G         | 67   | 5.626G         | 68   | 5.336G         |
| 69                                               | 5.271G         | 70   | 5.313G         | 71   | 5.420G         | 72   | 5.448G         |
| 73                                               | 5.443G         | 74   | 5.381G         | 75   | 5.647G         | 76   | 5.431G         |
| 77                                               | 5.370G         | 78   | 5.580G         | 79   | 5.323G         | 80   | 5.548G         |
| 81                                               | 5.430G         | 82   | 5.596G         | 83   | 5.523G         | 84   | 5.530G         |
| 85                                               | 5.560G         | 86   | 5.592G         | 87   | 5.314G         | 88   | 5.422G         |
| 89                                               | 5.607G         | 90   | 5.385G         | 91   | 5.628G         | 92   | 5.421G         |
| 93                                               | 5.463G         | 94   | 5.437G         | 95   | 5.646G         | 96   | 5.648G         |
| 97                                               | 5.536G         | 98   | 5.296G         | 99   | 5.312G         | 100  | 5.409G         |

## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_22

| SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
|------|----------------|------|----------------|------|----------------|------|----------------|
| 1    | 5.290G         | 2    | 5.317G         | 3    | 5.630G         | 4    | 5.724G         |
| 5    | 5.411G         | 6    | 5.700G         | 7    | 5.507G         | 8    | 5.263G         |
| 9    | 5.308G         | 10   | 5.568G         | 11   | 5.400G         | 12   | 5.252G         |
| 13   | 5.499G         | 14   | 5.570G         | 15   | 5.528G         | 16   | 5.461G         |
| 17   | 5.638G         | 18   | 5.399G         | 19   | 5.398G         | 20   | 5.254G         |
| 21   | 5.684G         | 22   | 5.616G         | 23   | 5.659G         | 24   | 5.285G         |
| 25   | 5.640G         | 26   | 5.647G         | 27   | 5.357G         | 28   | 5.279G         |
| 29   | 5.324G         | 30   | 5.323G         | 31   | 5.327G         | 32   | 5.626G         |
| 33   | 5.722G         | 34   | 5.345G         | 35   | 5.302G         | 36   | 5.483G         |
| 37   | 5.702G         | 38   | 5.384G         | 39   | 5.305G         | 40   | 5.651G         |
| 41   | 5.498G         | 42   | 5.693G         | 43   | 5.255G         | 44   | 5.564G         |
| 45   | 5.299G         | 46   | 5.482G         | 47   | 5.446G         | 48   | 5.704G         |
| 49   | 5.459G         | 50   | 5.582G         | 51   | 5.288G         | 52   | 5.720G         |
| 53   | 5.335G         | 54   | 5.286G         | 55   | 5.541G         | 56   | 5.457G         |
| 57   | 5.272G         | 58   | 5.365G         | 59   | 5.529G         | 60   | 5.618G         |
| 61   | 5.441G         | 62   | 5.581G         | 63   | 5.386G         | 64   | 5.650G         |
| 65   | 5.580G         | 66   | 5.612G         | 67   | 5.601G         | 68   | 5.557G         |
| 69   | 5.486G         | 70   | 5.608G         | 71   | 5.511G         | 72   | 5.664G         |
| 73   | 5.675G         | 74   | 5.525G         | 75   | 5.567G         | 76   | 5.678G         |
| 77   | 5.586G         | 78   | 5.336G         | 79   | 5.291G         | 80   | 5.387G         |
| 81   | 5.625G         | 82   | 5.356G         | 83   | 5.412G         | 84   | 5.706G         |
| 85   | 5.591G         | 86   | 5.688G         | 87   | 5.374G         | 88   | 5.401G         |
| 89   | 5.510G         | 90   | 5.624G         | 91   | 5.321G         | 92   | 5.339G         |
| 93   | 5.466G         | 94   | 5.475G         | 95   | 5.655G         | 96   | 5.328G         |
| 97   | 5.513G         | 98   | 5.686G         | 99   | 5.352G         | 100  | 5.261G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.367G         | 2    | 5.276G         | 3    | 5.659G         | 4    | 5.686G         |
| 5                                                | 5.388G         | 6    | 5.552G         | 7    | 5.452G         | 8    | 5.285G         |
| 9                                                | 5.475G         | 10   | 5.441G         | 11   | 5.514G         | 12   | 5.266G         |
| 13                                               | 5.432G         | 14   | 5.462G         | 15   | 5.545G         | 16   | 5.348G         |
| 17                                               | 5.442G         | 18   | 5.489G         | 19   | 5.271G         | 20   | 5.277G         |
| 21                                               | 5.542G         | 22   | 5.594G         | 23   | 5.411G         | 24   | 5.517G         |
| 25                                               | 5.613G         | 26   | 5.275G         | 27   | 5.426G         | 28   | 5.661G         |
| 29                                               | 5.286G         | 30   | 5.595G         | 31   | 5.645G         | 32   | 5.688G         |
| 33                                               | 5.357G         | 34   | 5.690G         | 35   | 5.543G         | 36   | 5.364G         |
| 37                                               | 5.497G         | 38   | 5.393G         | 39   | 5.435G         | 40   | 5.345G         |
| 41                                               | 5.482G         | 42   | 5.344G         | 43   | 5.570G         | 44   | 5.593G         |
| 45                                               | 5.715G         | 46   | 5.602G         | 47   | 5.548G         | 48   | 5.451G         |
| 49                                               | 5.633G         | 50   | 5.471G         | 51   | 5.605G         | 52   | 5.324G         |
| 53                                               | 5.550G         | 54   | 5.526G         | 55   | 5.445G         | 56   | 5.651G         |
| 57                                               | 5.289G         | 58   | 5.582G         | 59   | 5.535G         | 60   | 5.251G         |
| 61                                               | 5.549G         | 62   | 5.362G         | 63   | 5.527G         | 64   | 5.294G         |
| 65                                               | 5.539G         | 66   | 5.423G         | 67   | 5.268G         | 68   | 5.400G         |
| 69                                               | 5.368G         | 70   | 5.684G         | 71   | 5.553G         | 72   | 5.703G         |
| 73                                               | 5.460G         | 74   | 5.436G         | 75   | 5.448G         | 76   | 5.309G         |
| 77                                               | 5.290G         | 78   | 5.260G         | 79   | 5.444G         | 80   | 5.588G         |
| 81                                               | 5.530G         | 82   | 5.682G         | 83   | 5.418G         | 84   | 5.560G         |
| 85                                               | 5.320G         | 86   | 5.486G         | 87   | 5.404G         | 88   | 5.428G         |
| 89                                               | 5.663G         | 90   | 5.401G         | 91   | 5.580G         | 92   | 5.484G         |
| 93                                               | 5.495G         | 94   | 5.319G         | 95   | 5.267G         | 96   | 5.618G         |
| 97                                               | 5.431G         | 98   | 5.327G         | 99   | 5.252G         | 100  | 5.547G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.280G         | 2    | 5.283G         | 3    | 5.409G         | 4    | 5.651G         |
| 5                                                | 5.340G         | 6    | 5.620G         | 7    | 5.366G         | 8    | 5.353G         |
| 9                                                | 5.501G         | 10   | 5.456G         | 11   | 5.573G         | 12   | 5.583G         |
| 13                                               | 5.375G         | 14   | 5.630G         | 15   | 5.291G         | 16   | 5.333G         |
| 17                                               | 5.477G         | 18   | 5.453G         | 19   | 5.513G         | 20   | 5.510G         |
| 21                                               | 5.445G         | 22   | 5.407G         | 23   | 5.401G         | 24   | 5.671G         |
| 25                                               | 5.523G         | 26   | 5.428G         | 27   | 5.655G         | 28   | 5.603G         |
| 29                                               | 5.650G         | 30   | 5.270G         | 31   | 5.348G         | 32   | 5.367G         |
| 33                                               | 5.564G         | 34   | 5.673G         | 35   | 5.362G         | 36   | 5.378G         |
| 37                                               | 5.528G         | 38   | 5.334G         | 39   | 5.365G         | 40   | 5.568G         |
| 41                                               | 5.341G         | 42   | 5.636G         | 43   | 5.411G         | 44   | 5.549G         |
| 45                                               | 5.394G         | 46   | 5.271G         | 47   | 5.420G         | 48   | 5.724G         |
| 49                                               | 5.467G         | 50   | 5.423G         | 51   | 5.427G         | 52   | 5.580G         |
| 53                                               | 5.611G         | 54   | 5.313G         | 55   | 5.584G         | 56   | 5.553G         |
| 57                                               | 5.396G         | 58   | 5.688G         | 59   | 5.516G         | 60   | 5.433G         |
| 61                                               | 5.487G         | 62   | 5.308G         | 63   | 5.296G         | 64   | 5.338G         |
| 65                                               | 5.666G         | 66   | 5.464G         | 67   | 5.389G         | 68   | 5.421G         |
| 69                                               | 5.721G         | 70   | 5.605G         | 71   | 5.555G         | 72   | 5.447G         |
| 73                                               | 5.455G         | 74   | 5.567G         | 75   | 5.585G         | 76   | 5.656G         |
| 77                                               | 5.469G         | 78   | 5.640G         | 79   | 5.629G         | 80   | 5.424G         |
| 81                                               | 5.481G         | 82   | 5.329G         | 83   | 5.342G         | 84   | 5.610G         |
| 85                                               | 5.710G         | 86   | 5.489G         | 87   | 5.343G         | 88   | 5.442G         |
| 89                                               | 5.692G         | 90   | 5.292G         | 91   | 5.702G         | 92   | 5.601G         |
| 93                                               | 5.491G         | 94   | 5.626G         | 95   | 5.644G         | 96   | 5.641G         |
| 97                                               | 5.406G         | 98   | 5.450G         | 99   | 5.569G         | 100  | 5.690G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.615G         | 2    | 5.657G         | 3    | 5.676G         | 4    | 5.592G         |
| 5                                                | 5.327G         | 6    | 5.300G         | 7    | 5.337G         | 8    | 5.680G         |
| 9                                                | 5.448G         | 10   | 5.690G         | 11   | 5.417G         | 12   | 5.567G         |
| 13                                               | 5.604G         | 14   | 5.694G         | 15   | 5.516G         | 16   | 5.503G         |
| 17                                               | 5.312G         | 18   | 5.598G         | 19   | 5.696G         | 20   | 5.383G         |
| 21                                               | 5.718G         | 22   | 5.475G         | 23   | 5.603G         | 24   | 5.464G         |
| 25                                               | 5.425G         | 26   | 5.677G         | 27   | 5.320G         | 28   | 5.367G         |
| 29                                               | 5.313G         | 30   | 5.436G         | 31   | 5.463G         | 32   | 5.699G         |
| 33                                               | 5.565G         | 34   | 5.371G         | 35   | 5.411G         | 36   | 5.659G         |
| 37                                               | 5.661G         | 38   | 5.649G         | 39   | 5.391G         | 40   | 5.589G         |
| 41                                               | 5.452G         | 42   | 5.410G         | 43   | 5.484G         | 44   | 5.302G         |
| 45                                               | 5.692G         | 46   | 5.270G         | 47   | 5.386G         | 48   | 5.279G         |
| 49                                               | 5.601G         | 50   | 5.513G         | 51   | 5.602G         | 52   | 5.673G         |
| 53                                               | 5.501G         | 54   | 5.557G         | 55   | 5.494G         | 56   | 5.254G         |
| 57                                               | 5.571G         | 58   | 5.264G         | 59   | 5.573G         | 60   | 5.440G         |
| 61                                               | 5.281G         | 62   | 5.423G         | 63   | 5.358G         | 64   | 5.500G         |
| 65                                               | 5.701G         | 66   | 5.525G         | 67   | 5.446G         | 68   | 5.369G         |
| 69                                               | 5.499G         | 70   | 5.582G         | 71   | 5.717G         | 72   | 5.664G         |
| 73                                               | 5.515G         | 74   | 5.514G         | 75   | 5.461G         | 76   | 5.631G         |
| 77                                               | 5.719G         | 78   | 5.606G         | 79   | 5.483G         | 80   | 5.449G         |
| 81                                               | 5.458G         | 82   | 5.447G         | 83   | 5.616G         | 84   | 5.482G         |
| 85                                               | 5.453G         | 86   | 5.263G         | 87   | 5.542G         | 88   | 5.399G         |
| 89                                               | 5.469G         | 90   | 5.275G         | 91   | 5.295G         | 92   | 5.291G         |
| 93                                               | 5.416G         | 94   | 5.444G         | 95   | 5.599G         | 96   | 5.522G         |
| 97                                               | 5.640G         | 98   | 5.632G         | 99   | 5.472G         | 100  | 5.583G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.339G         | 2    | 5.672G         | 3    | 5.594G         | 4    | 5.694G         |
| 5                                                | 5.660G         | 6    | 5.647G         | 7    | 5.656G         | 8    | 5.705G         |
| 9                                                | 5.551G         | 10   | 5.542G         | 11   | 5.295G         | 12   | 5.316G         |
| 13                                               | 5.454G         | 14   | 5.592G         | 15   | 5.582G         | 16   | 5.303G         |
| 17                                               | 5.465G         | 18   | 5.417G         | 19   | 5.512G         | 20   | 5.710G         |
| 21                                               | 5.289G         | 22   | 5.286G         | 23   | 5.277G         | 24   | 5.440G         |
| 25                                               | 5.584G         | 26   | 5.518G         | 27   | 5.505G         | 28   | 5.597G         |
| 29                                               | 5.326G         | 30   | 5.371G         | 31   | 5.374G         | 32   | 5.639G         |
| 33                                               | 5.355G         | 34   | 5.609G         | 35   | 5.618G         | 36   | 5.463G         |
| 37                                               | 5.425G         | 38   | 5.404G         | 39   | 5.711G         | 40   | 5.506G         |
| 41                                               | 5.394G         | 42   | 5.431G         | 43   | 5.703G         | 44   | 5.489G         |
| 45                                               | 5.596G         | 46   | 5.575G         | 47   | 5.515G         | 48   | 5.655G         |
| 49                                               | 5.652G         | 50   | 5.494G         | 51   | 5.358G         | 52   | 5.648G         |
| 53                                               | 5.376G         | 54   | 5.457G         | 55   | 5.279G         | 56   | 5.707G         |
| 57                                               | 5.412G         | 58   | 5.396G         | 59   | 5.319G         | 60   | 5.430G         |
| 61                                               | 5.363G         | 62   | 5.379G         | 63   | 5.544G         | 64   | 5.364G         |
| 65                                               | 5.499G         | 66   | 5.622G         | 67   | 5.476G         | 68   | 5.536G         |
| 69                                               | 5.487G         | 70   | 5.587G         | 71   | 5.452G         | 72   | 5.418G         |
| 73                                               | 5.333G         | 74   | 5.321G         | 75   | 5.528G         | 76   | 5.574G         |
| 77                                               | 5.619G         | 78   | 5.386G         | 79   | 5.633G         | 80   | 5.467G         |
| 81                                               | 5.600G         | 82   | 5.500G         | 83   | 5.504G         | 84   | 5.265G         |
| 85                                               | 5.625G         | 86   | 5.359G         | 87   | 5.485G         | 88   | 5.372G         |
| 89                                               | 5.569G         | 90   | 5.456G         | 91   | 5.573G         | 92   | 5.581G         |
| 93                                               | 5.281G         | 94   | 5.314G         | 95   | 5.721G         | 96   | 5.650G         |
| 97                                               | 5.713G         | 98   | 5.275G         | 99   | 5.686G         | 100  | 5.708G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.452G         | 2    | 5.650G         | 3    | 5.373G         | 4    | 5.568G         |
| 5                                                | 5.602G         | 6    | 5.448G         | 7    | 5.593G         | 8    | 5.367G         |
| 9                                                | 5.529G         | 10   | 5.515G         | 11   | 5.598G         | 12   | 5.338G         |
| 13                                               | 5.380G         | 14   | 5.524G         | 15   | 5.371G         | 16   | 5.401G         |
| 17                                               | 5.522G         | 18   | 5.411G         | 19   | 5.715G         | 20   | 5.590G         |
| 21                                               | 5.300G         | 22   | 5.691G         | 23   | 5.433G         | 24   | 5.430G         |
| 25                                               | 5.670G         | 26   | 5.318G         | 27   | 5.319G         | 28   | 5.333G         |
| 29                                               | 5.260G         | 30   | 5.425G         | 31   | 5.530G         | 32   | 5.708G         |
| 33                                               | 5.722G         | 34   | 5.712G         | 35   | 5.501G         | 36   | 5.654G         |
| 37                                               | 5.485G         | 38   | 5.424G         | 39   | 5.638G         | 40   | 5.445G         |
| 41                                               | 5.564G         | 42   | 5.439G         | 43   | 5.376G         | 44   | 5.442G         |
| 45                                               | 5.619G         | 46   | 5.552G         | 47   | 5.347G         | 48   | 5.408G         |
| 49                                               | 5.316G         | 50   | 5.643G         | 51   | 5.269G         | 52   | 5.484G         |
| 53                                               | 5.687G         | 54   | 5.419G         | 55   | 5.573G         | 56   | 5.473G         |
| 57                                               | 5.327G         | 58   | 5.293G         | 59   | 5.611G         | 60   | 5.475G         |
| 61                                               | 5.537G         | 62   | 5.583G         | 63   | 5.444G         | 64   | 5.661G         |
| 65                                               | 5.551G         | 66   | 5.255G         | 67   | 5.364G         | 68   | 5.349G         |
| 69                                               | 5.574G         | 70   | 5.588G         | 71   | 5.680G         | 72   | 5.497G         |
| 73                                               | 5.585G         | 74   | 5.534G         | 75   | 5.365G         | 76   | 5.721G         |
| 77                                               | 5.469G         | 78   | 5.488G         | 79   | 5.406G         | 80   | 5.348G         |
| 81                                               | 5.504G         | 82   | 5.671G         | 83   | 5.651G         | 84   | 5.375G         |
| 85                                               | 5.286G         | 86   | 5.507G         | 87   | 5.414G         | 88   | 5.519G         |
| 89                                               | 5.684G         | 90   | 5.438G         | 91   | 5.520G         | 92   | 5.265G         |
| 93                                               | 5.404G         | 94   | 5.711G         | 95   | 5.586G         | 96   | 5.657G         |
| 97                                               | 5.302G         | 98   | 5.575G         | 99   | 5.490G         | 100  | 5.464G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.434G         | 2    | 5.680G         | 3    | 5.335G         | 4    | 5.560G         |
| 5                                                | 5.369G         | 6    | 5.305G         | 7    | 5.710G         | 8    | 5.275G         |
| 9                                                | 5.315G         | 10   | 5.475G         | 11   | 5.269G         | 12   | 5.460G         |
| 13                                               | 5.533G         | 14   | 5.627G         | 15   | 5.702G         | 16   | 5.661G         |
| 17                                               | 5.707G         | 18   | 5.356G         | 19   | 5.687G         | 20   | 5.328G         |
| 21                                               | 5.656G         | 22   | 5.563G         | 23   | 5.581G         | 24   | 5.361G         |
| 25                                               | 5.694G         | 26   | 5.468G         | 27   | 5.456G         | 28   | 5.304G         |
| 29                                               | 5.499G         | 30   | 5.255G         | 31   | 5.391G         | 32   | 5.647G         |
| 33                                               | 5.320G         | 34   | 5.653G         | 35   | 5.298G         | 36   | 5.536G         |
| 37                                               | 5.665G         | 38   | 5.268G         | 39   | 5.623G         | 40   | 5.721G         |
| 41                                               | 5.620G         | 42   | 5.611G         | 43   | 5.313G         | 44   | 5.570G         |
| 45                                               | 5.545G         | 46   | 5.716G         | 47   | 5.524G         | 48   | 5.628G         |
| 49                                               | 5.698G         | 50   | 5.558G         | 51   | 5.278G         | 52   | 5.723G         |
| 53                                               | 5.420G         | 54   | 5.359G         | 55   | 5.722G         | 56   | 5.492G         |
| 57                                               | 5.446G         | 58   | 5.354G         | 59   | 5.474G         | 60   | 5.638G         |
| 61                                               | 5.720G         | 62   | 5.618G         | 63   | 5.582G         | 64   | 5.326G         |
| 65                                               | 5.398G         | 66   | 5.410G         | 67   | 5.634G         | 68   | 5.344G         |
| 69                                               | 5.697G         | 70   | 5.253G         | 71   | 5.519G         | 72   | 5.424G         |
| 73                                               | 5.594G         | 74   | 5.286G         | 75   | 5.599G         | 76   | 5.264G         |
| 77                                               | 5.718G         | 78   | 5.576G         | 79   | 5.682G         | 80   | 5.432G         |
| 81                                               | 5.584G         | 82   | 5.462G         | 83   | 5.525G         | 84   | 5.336G         |
| 85                                               | 5.577G         | 86   | 5.459G         | 87   | 5.714G         | 88   | 5.449G         |
| 89                                               | 5.483G         | 90   | 5.490G         | 91   | 5.347G         | 92   | 5.277G         |
| 93                                               | 5.478G         | 94   | 5.292G         | 95   | 5.274G         | 96   | 5.377G         |
| 97                                               | 5.617G         | 98   | 5.367G         | 99   | 5.472G         | 100  | 5.337G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.410G         | 2    | 5.585G         | 3    | 5.609G         | 4    | 5.523G         |
| 5                                                | 5.304G         | 6    | 5.466G         | 7    | 5.262G         | 8    | 5.617G         |
| 9                                                | 5.311G         | 10   | 5.677G         | 11   | 5.590G         | 12   | 5.283G         |
| 13                                               | 5.305G         | 14   | 5.601G         | 15   | 5.404G         | 16   | 5.690G         |
| 17                                               | 5.302G         | 18   | 5.655G         | 19   | 5.668G         | 20   | 5.389G         |
| 21                                               | 5.412G         | 22   | 5.709G         | 23   | 5.286G         | 24   | 5.631G         |
| 25                                               | 5.626G         | 26   | 5.487G         | 27   | 5.257G         | 28   | 5.491G         |
| 29                                               | 5.328G         | 30   | 5.345G         | 31   | 5.651G         | 32   | 5.275G         |
| 33                                               | 5.605G         | 34   | 5.430G         | 35   | 5.588G         | 36   | 5.705G         |
| 37                                               | 5.289G         | 38   | 5.694G         | 39   | 5.365G         | 40   | 5.307G         |
| 41                                               | 5.673G         | 42   | 5.288G         | 43   | 5.458G         | 44   | 5.363G         |
| 45                                               | 5.573G         | 46   | 5.424G         | 47   | 5.654G         | 48   | 5.354G         |
| 49                                               | 5.548G         | 50   | 5.696G         | 51   | 5.440G         | 52   | 5.701G         |
| 53                                               | 5.629G         | 54   | 5.390G         | 55   | 5.334G         | 56   | 5.507G         |
| 57                                               | 5.434G         | 58   | 5.724G         | 59   | 5.485G         | 60   | 5.444G         |
| 61                                               | 5.527G         | 62   | 5.428G         | 63   | 5.360G         | 64   | 5.377G         |
| 65                                               | 5.542G         | 66   | 5.641G         | 67   | 5.423G         | 68   | 5.446G         |
| 69                                               | 5.483G         | 70   | 5.478G         | 71   | 5.537G         | 72   | 5.293G         |
| 73                                               | 5.612G         | 74   | 5.476G         | 75   | 5.445G         | 76   | 5.702G         |
| 77                                               | 5.596G         | 78   | 5.388G         | 79   | 5.544G         | 80   | 5.499G         |
| 81                                               | 5.621G         | 82   | 5.353G         | 83   | 5.402G         | 84   | 5.603G         |
| 85                                               | 5.650G         | 86   | 5.469G         | 87   | 5.327G         | 88   | 5.313G         |
| 89                                               | 5.721G         | 90   | 5.432G         | 91   | 5.646G         | 92   | 5.680G         |
| 93                                               | 5.640G         | 94   | 5.295G         | 95   | 5.606G         | 96   | 5.604G         |
| 97                                               | 5.539G         | 98   | 5.325G         | 99   | 5.468G         | 100  | 5.484G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.631G         | 2    | 5.628G         | 3    | 5.645G         | 4    | 5.347G         |
| 5                                                | 5.591G         | 6    | 5.427G         | 7    | 5.333G         | 8    | 5.692G         |
| 9                                                | 5.441G         | 10   | 5.504G         | 11   | 5.600G         | 12   | 5.551G         |
| 13                                               | 5.271G         | 14   | 5.647G         | 15   | 5.646G         | 16   | 5.406G         |
| 17                                               | 5.613G         | 18   | 5.291G         | 19   | 5.362G         | 20   | 5.394G         |
| 21                                               | 5.470G         | 22   | 5.458G         | 23   | 5.546G         | 24   | 5.563G         |
| 25                                               | 5.318G         | 26   | 5.397G         | 27   | 5.260G         | 28   | 5.636G         |
| 29                                               | 5.576G         | 30   | 5.430G         | 31   | 5.391G         | 32   | 5.460G         |
| 33                                               | 5.361G         | 34   | 5.708G         | 35   | 5.698G         | 36   | 5.544G         |
| 37                                               | 5.258G         | 38   | 5.474G         | 39   | 5.703G         | 40   | 5.416G         |
| 41                                               | 5.657G         | 42   | 5.328G         | 43   | 5.277G         | 44   | 5.617G         |
| 45                                               | 5.449G         | 46   | 5.489G         | 47   | 5.575G         | 48   | 5.268G         |
| 49                                               | 5.294G         | 50   | 5.723G         | 51   | 5.644G         | 52   | 5.590G         |
| 53                                               | 5.256G         | 54   | 5.721G         | 55   | 5.261G         | 56   | 5.259G         |
| 57                                               | 5.514G         | 58   | 5.476G         | 59   | 5.345G         | 60   | 5.459G         |
| 61                                               | 5.462G         | 62   | 5.266G         | 63   | 5.407G         | 64   | 5.488G         |
| 65                                               | 5.286G         | 66   | 5.371G         | 67   | 5.571G         | 68   | 5.556G         |
| 69                                               | 5.588G         | 70   | 5.654G         | 71   | 5.678G         | 72   | 5.354G         |
| 73                                               | 5.472G         | 74   | 5.526G         | 75   | 5.487G         | 76   | 5.468G         |
| 77                                               | 5.508G         | 78   | 5.388G         | 79   | 5.446G         | 80   | 5.520G         |
| 81                                               | 5.418G         | 82   | 5.390G         | 83   | 5.550G         | 84   | 5.482G         |
| 85                                               | 5.337G         | 86   | 5.404G         | 87   | 5.664G         | 88   | 5.465G         |
| 89                                               | 5.598G         | 90   | 5.257G         | 91   | 5.392G         | 92   | 5.516G         |
| 93                                               | 5.448G         | 94   | 5.327G         | 95   | 5.614G         | 96   | 5.594G         |
| 97                                               | 5.633G         | 98   | 5.637G         | 99   | 5.715G         | 100  | 5.329G         |