

Test report

334805R1TRFWL

Date of issue: October 26, 2017

Applicant: ProSoft Technology Inc.

Product: Fast Industrial Hotspot

Model: RLX2-IHNF series C

Model Variants: RLX2-IHNF-W series C and RLX2-IHNF-WC series C

FCC ID:

OQ7IHNF

IC Registration Number:

5265A-IHNF

Specifications:

◆ **FCC 47 CFR Part 15 Subpart E, §15.407(h)**

Unlicensed National Information Infrastructure Devices
(2) Dynamic Frequency Selection (DFS)

◆ **RSS-247 Issue 2, February 2017, Section 6.3**

Licence-Exempt Local Area Network (LE-LAN) Devices. Dynamic Frequency Selection (DFS)
for Devices Operating in the Bands 5250–5350 MHz, 5470–5600 MHz and 5650–5725 MHz

Test location

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Review date	October 26, 2017
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Limits of responsibility

Note that the results contained in this report relate only to the items tested and were obtained in the period between the date of initial receipt of samples and the date of issue of the report.

This test report has been completed in accordance with the requirements of ISO/IEC 17025. All results contain in this report are within Nemko USA's ISO/IEC 17025 accreditation.

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Section 1. Report summary

1.1 Applicant and manufacturer

Company name	ProSoft Technology Inc
Address	9201 Camino Media #200
City	Bakersfield
Province/State	CA
Postal/Zip code	93311
Country	U.S.A.

1.2 Test specifications

FCC 47 CFR Part 15, Subpart E, Clause 15.407	Unlicensed National Information Infrastructure Devices
RSS-247 Issue 1, May 2015, Section 6.3	Licence-Exempt Local Area Network (LE-LAN) Devices

1.3 Test methods

905462 D07 UNII Overview v02	OVERVIEW OF REVISED RULES FOR U-NII DEVICES
905462 D04 Operational Modes for DFS Testing New Rules v01	OPERATIONAL MODES SUGGESTED FOR DFS TESTING
905462 D03 UNII Clients Without Radar Detection New Rules v01r02	U-NII CLIENT DEVICES WITHOUT RADAR DETECTION CAPABILITY
905462 D02 UNII DFS Compliance Procedures New Rules v02	COMPLIANCE MEASUREMENT PROCEDURES FOR UNLICENSED-NATIONAL INFORMATION FRASTRUCTURE DEVICES OPERATING IN THE 5250-5350 MHz AND 5470-5725 MHz BANDS INCORPORATING DYNAMIC FREQUENCY SELECTION

1.4 Statement of compliance

In the configuration tested, the EUT was found compliant.

Testing was completed against all relevant requirements of the test standard. Results obtained indicate that the product under test complies in full with the requirements tested. The test results relate only to the items tested.

See "Summary of test results" for full details.

1.5 Exclusions

None

1.6 Test report revision history

Revision #	Details of changes made to test report
TRF	Original report issued
R1TRF	Updated FCC ID provided by client

Section 2. Summary of test results

2.1 FCC §15.407(h)(2), KDB 905462 Do2 UNII DFS Compliance Procedures New Rules v02 test results

KDB Section	Test description	Verdict
5.2	DFS detection threshold	Pass
7.8.1	U-NII detection bandwidth	Pass
7.8.2.1	Initial Channel Availability Check (CAC) time	Pass
7.8.2.2	Radar Burst at the Beginning of the Channel Availability Check Time	Pass
7.8.2.3	Radar Burst at the End of the Channel Availability Check Time	Pass
7.8.3	Channel move time	Pass
7.8.3	Channel closing transmission time	Pass
7.8.3	Non-occupancy period	Pass
7.8.4.1	Statistical performance with short pulse radar test	Pass
7.8.4.2	Statistical performance with long pulse radar test	Pass
7.8.4.3	Statistical performance with frequency hopping radar test	Pass

Note:

2.2 RSS-247 Issue 2, test results

Section	Test description	Verdict
RSS-247 6.3.1	DFS radar signal detection threshold	Pass
KDB Section 7.8.1	U-NII detection bandwidth	Pass
RSS-247 6.3.2 b)	Channel Availability Check (CAC) time	Pass
RSS-247 6.3.2 c)	Channel move time	Pass
RSS-247 6.3.2 d)	Channel closing transmission time	Pass
RSS-247 6.3.2 e)	Non-occupancy period	Pass
KDB Section 7.8.4.1	Statistical performance with short pulse radar test	Pass
KDB Section 7.8.4.2	Statistical performance with long pulse radar test	Pass
KDB Section 7.8.4.3	Statistical performance with frequency hopping radar test	Pass

Note:

Section 3. Equipment under test (EUT) details

3.1 Sample information

Receipt date	July 7, 2017
Nemko sample ID number	60616

3.2 EUT information

Product name	Fast Industrial Hotspot
Model	RLX2-IHNF series C (RLX2-IHNF-A)
Serial number	00D8DF0D4D5

3.3 Technical information

Operating band	2400-2483.5MHz, 5170-5250 / 5250-5330 / 5490-5590 / 5650-5710 / 5735-5835 MHz
Operating frequencies	20 MHz channel: 2412-2462MHz, 5180-5240 / 5260-5320 / 5500-5580 / 5660-5700 / 5745-5825 MHz 40 MHz channel: 2422-2452MHz, 5190-5230 / 5270-5310 / 5510-5550 / 5670 / 5755-5795 MHz
DFS frequencies	20 MHz channel: 5260-5320 / 5500-5580 / 5660-5700 MHz 40 MHz channel: 5270-5310 / 5510-5550 / 5670 MHz
Modulation type	802.11 a/b/g/n
Channel bandwidth	20 MHz, 40 MHz
Power requirements	100-240V _{AC} 50-60 Hz
Antenna information	3x3 MIMO output, R-SMA connectors. Supplied antennas have 2 dBi gain. The EUT uses a unique antenna coupling/ non-detachable antenna to the intentional radiator.

3.4 Product description and theory of operation

EUT is Industrial grade mPCIe 802.11n 3T/3R dual band WiFi module, tested in Master mode.

3.5 EUT exercise details

EUT was set to specific DFS channel / BW using web interface.

Antenna port A is used.

Section 4. Engineering considerations

4.1 Modifications incorporated in the EUT

There were no modifications performed to the EUT during this assessment.

4.2 Technical judgment

None

4.3 Deviations from laboratory tests procedures

No deviations were made from laboratory procedures.

Section 5. Test conditions

5.1 Atmospheric conditions

Temperature	15–30 °C
Relative humidity	20–75 %
Air pressure	860–1060 mbar

When it is impracticable to carry out tests under these conditions, a note to this effect stating the ambient temperature and relative humidity during the tests shall be recorded and stated.

5.2 Power supply range

The normal test voltage for equipment to be connected to the mains shall be the nominal mains voltage. For the purpose of the present document, the nominal voltage shall be the declared voltage, or any of the declared voltages $\pm 5\%$, for which the equipment was designed.

5.3 Uncertainty of measurement

Nemko USA Inc. has calculated measurement uncertainty and is documented in EMC/MUC/001 “Uncertainty in EMC measurements.” Measurement uncertainty was calculated using the methods described in CISPR 16-4 Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC measurements; as well as described in UKAS LAB34: The expression of Uncertainty in EMC Testing. Measurement uncertainty calculations assume a coverage factor of $K=2$ with 95% certainty.

Test name	Measurement uncertainty, dB
All antenna port measurements	0.55
Conducted spurious emissions	1.13
Radiated spurious emissions	3.78
AC power line conducted emissions	3.55



Section 6. Test equipment

6.1 Test equipment list

Table 6.1-1: Equipment list

Equipment	Manufacturer	Model no.	Asset no.	Next cal.
DFS test box	Aeroflex	82545	N/A	05/31/2018
Spectrum analyzer	Rohde & Schwarz	FSP7	E1017	12/20/2017

Section 7. Test rules and requirements

7.1 FCC 15.407(h)(2) Radar Detection Function of Dynamic Frequency Selection (DFS)

(2) Radar Detection Function of Dynamic Frequency Selection (DFS). U-NII devices operating with any part of its 26 dB emission bandwidth in the 5.25-5.35 GHz and 5.47-5.725 GHz bands shall employ a DFS radar detection mechanism to detect the presence of radar systems and to avoid co-channel operation with radar systems. Operators shall only use equipment with a DFS mechanism that is turned on when operating in these bands. The device must sense for radar signals at 100 percent of its emission bandwidth. The minimum DFS detection threshold for devices with a maximum e.i.r.p. of 200 mW to 1 W is -64 dBm. For devices that operate with less than 200 mW e.i.r.p. and a power spectral density of less than 10 dBm in a 1 MHz band, the minimum detection threshold is -62 dBm. The detection threshold is the received power averaged over 1 microsecond referenced to a 0 dBi antenna. For the initial channel setting, the manufacturers shall be permitted to provide for either random channel selection or manual channel selection.

(i) Operational Modes. The DFS requirement applies to the following operational modes:

(A) The requirement for channel availability check time applies in the master operational mode.

(B) The requirement for channel move time applies in both the master and slave operational modes.

(ii) Channel Availability Check Time. A U-NII device shall check if there is a radar system already operating on the channel before it can initiate a transmission on a channel and when it has to move to a new channel. The U-NII device may start using the channel if no radar signal with a power level greater than the interference threshold values listed in paragraph (h)(2) of this section, is detected within 60 seconds.

(iii) Channel Move Time. After a radar's presence is detected, all transmissions shall cease on the operating channel within 10 seconds. Transmissions during this period shall consist of normal traffic for a maximum of 200 ms after detection of the radar signal. In addition, intermittent management and control signals can be sent during the remaining time to facilitate vacating the operating channel.

(iv) Non-occupancy Period. A channel that has been flagged as containing a radar system, either by a channel availability check or in-service monitoring, is subject to a non-occupancy period of at least 30 minutes. The non-occupancy period starts at the time when the radar system is detected.

(i) Device Security. All U-NII devices must contain security features to protect against modification of software by unauthorized parties.

Table 7.1-1: DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds ¹
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period ^{1 and 2}
U-NII Detection Bandwidth	Minimum 100% of the 99% power bandwidth ³

Notes: ¹ The instant that the *Channel Move Time* and the *Channel Closing Transmission Time* begins is as follows:

- For the Short pulse radar Test Signals this instant is the end of the Burst.
- For the Frequency Hopping radar Test Signal, this instant is the end of the last radar Burst generated.
- For the Long Pulse radar Test Signal this instant is the end of the 12 second period defining the radar transmission.

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 Channel changes (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.

³ During the *U-NII Detection Bandwidth* detection test, radar type 0 is used and for each frequency step the minimum percentage of detection is 90%. Measurements are performed with no data traffic.

Table 7.1-2: Short Pulse Radar Test Waveforms

Radar type	Pulse width, μs	Pulse Repetition Interval (PRI), μs	Number of pulses	Minimum percentage of successful detection	Minimum number of trials
0	1	1428	18	See note	See note
		Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in table below	$\text{Roundup}\{(1 \div 360) \times (19 \times 10^6 \div \text{PRI}_{\mu\text{s}})\}$		
1	1	Test B: 15 unique PRI values randomly selected within the range of 518–3066 μs , with a minimum increment of 1 μs , excluding PRI values selected in Test A		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: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.

Table 7.1-3: Pulse Repetition Intervals Values for Test A

Pulse Repetition Frequency number	Pulse Repetition Frequency, Pulses per second	Pulse Repetition Interval (PRI), μs
1	1930.5	518
2	1818.7	538
3	1792.1	558
4	1730.1	578
5	1672.2	598
6	1618.1	618
7	1567.4	638
8	1519.8	658
9	1474.9	678
10	1432.7	698
11	1392.8	718
12	1355.0	738
13	1319.3	758
14	1285.3	778
15	1253.1	798
16	1222.5	818
17	1193.3	838
18	1165.6	858
19	1139.0	878
20	1113.6	898
21	1089.3	918
22	1066.1	938
23	326.2	3066

Table 7.1-4: Long Pulse Radar Test Waveforms

Radar type	Pulse width, μs	Chirp width, MHz	Pulse Repetition Interval (PRI), μs	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

Table 7.1-5: Frequency Hopping Radar Test Waveforms

Radar type	Pulse width, μs	Pulse Repetition Interval (PRI), μs	Pulses per hop	Hopping rate, kHz	Hopping sequence length, ms	Minimum percentage of successful detection	Minimum number of trials
6	1	333	9	0.333	300	70%	30

Table 7.1-6: Summary of the requirements

Description	Radar type	Requirement	Notes
5.2 DFS Detection Threshold	Type 0-6	-64 dBm	Any BW
7.8.1 U-NII Detection Bandwidth	Type 0	100 % of 99 % BW	10 trials for each BW
7.8.2.1 Initial Channel Availability Check (CAC) Time	Type 0-4 (any)	≥60 s	Any BW
7.8.2.2 Radar Burst at the Beginning of the CAC	Type 0-4 (any)	No Tx	Any BW
7.8.2.3 Radar Burst at the End of the CAC	Type 0-4 (any)	No Tx	Any BW
7.8.3 Channel Move Time	Type 0	≤10 s	Widest BW
7.8.3 Channel Closing Transmission Time	Type 0	≤260 ms	Widest BW
7.8.3 Non-Occupancy Period	Type 0	>30 min	
7.8.4 Statistical Performance Check:	Type 1-6 (all)		Each BW; Each 20 MHz channels + center
7.8.4.1 Short Pulse Radar Test	Type 1-4 (all)	60% detection	30 trials (for each type)
7.8.4.2 Long Pulse Radar Test	Type 5	80% detection	30 trials
7.8.4.3 Frequency hopping Radar Test	Type 6	70% detection	30 trials

7.2 RSS-247 6.3 Radar Detection Function of Dynamic Frequency Selection (DFS)

ISED requires the use of either the FCC KDB Procedure 905462 or the DFS test procedure in the ETSI EN 301 893 for demonstrating compliance with the DFS radar detection requirements set out in this section.

If any part of an operating device's emission bandwidth falls in the bands 5250-5350 MHz, 5470-5600 MHz or 5650-5725 MHz, the device shall comply with requirements in the following sections.

6.3.1 DFS radar signal detection threshold

Devices shall employ a DFS radar detection mechanism to detect the presence of radar systems and to avoid co-channel operation with radar systems. The device must detect radar signals within its entire emission bandwidth. The minimum DFS radar signal detection threshold is described below in Table below.

Table 7.2-1: DFS Detection Threshold for Master Devices and Slave Devices with Radar Detection

Devices' e.i.r.p. information	DFS Threshold
Devices with an e.i.r.p. < 200 mW AND a Power Spectral Density < 10 dBm/MHz	-62 dBm
Devices with $200 \text{ mW} \leq \text{e.i.r.p.} \leq 1 \text{ W}$	-64 dBm

Note: The detection threshold power is the received power, averaged over a 1-microsecond reference to a 0 dBi antenna.

6.3.2 Operational requirements

The requirement for channel availability check time applies in the master operational mode. The requirement for channel move time applies in both the master and slave operational modes. The requirement for in-service monitoring does not apply to slave devices without radar detection.

- In-service monitoring:** an LE-LAN device shall be able to monitor the operating channel to check that a co-channel radar has not moved or started operation within range of the LE-LAN device. During in-service monitoring, the LE-LAN radar detection function continuously searches for radar signals between normal LE-LAN transmissions.
- Channel availability check time:** the device shall check whether there is a radar system already operating on the channel before it initiates a transmission on a channel and when it moves to a channel. The device may start using the channel if no radar signal with a power level greater than the interference threshold value specified in Section 6.3(1) above is detected within 60 seconds.
- Channel move time:** after a radar signal is detected, the device shall cease all transmissions on the operating channel within 10 seconds.
- Channel closing transmission time:** is comprised of 200 ms 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 ms) over the remaining 10-second period of the channel move time.
- Non-occupancy period:** a channel that has been flagged as containing a radar signal, either by a channel availability check or in-service monitoring, is subject to a 30-minute non-occupancy period where the channel cannot be used by the LE-LAN device. The non-occupancy period starts from the time that the radar signal is detected.

Section 8. Testing data

8.1 Dynamic Frequency Selection (DFS) detection threshold

8.1.1 Definitions and limits

The minimum DFS detection threshold for devices with a maximum e.i.r.p. of 200 mW to 1 W (23–30 dBm) is –64 dBm. For devices that operate with less than 200 mW (23 dBm) e.i.r.p. and a power spectral density of less than 10 dBm in a 1 MHz band, the minimum detection threshold is –62 dBm. The detection threshold is the received power averaged over 1 microsecond referenced to a 0 dBi antenna.

8.1.2 Test summary

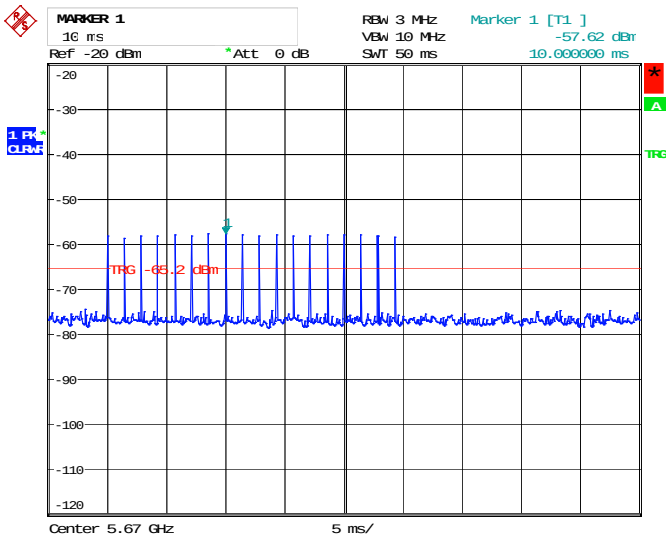
Test date	July 13, 2017	Temperature	22 °C
Test engineer	Feng You	Air pressure	1005 mbar
Verdict	Pass	Relative humidity	56 %

8.1.3 Observations, settings and special notes

EUT operates with maximum EIRP of more than 200 mW (23 dBm); therefore the minimum detection threshold limit is –64 dBm. The EUT has 3 2dBi antennas in the MIMO 3×3 mode, therefore total antenna gain was 2 + 4.7 = 6.7 dBi. The minimum threshold is –64 + 6.7 dBi = –57.3 dBm. The signal level at the antenna port of the transmitter was below –57.3 dBm, to trigger DFS detection.
This test was performed once on the widest channel BW, which is 40 MHz with the use of Radar type 0.

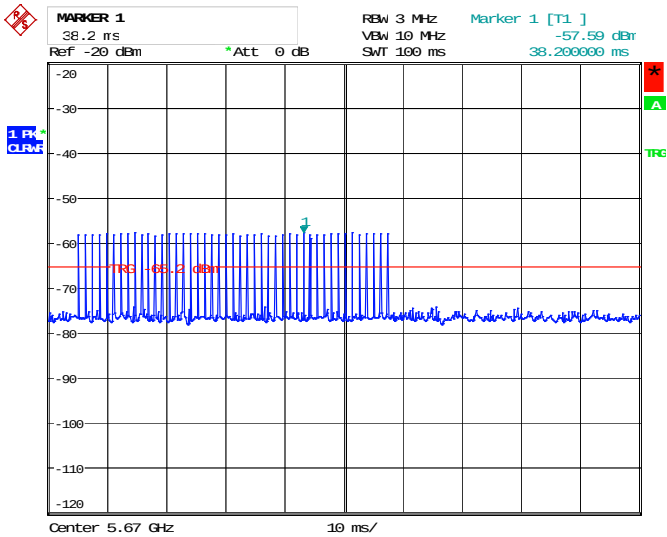
8.1.4 Test data

Radar Type	BW(MHz)	Detection Threshold (dBm)	Limit (dBm)	Results(P/F)
0	20	-57.62	-57.3	Pass
1	20	-57.59	-57.3	Pass
2	20	-57.69	-57.3	Pass
3	20	-57.62	-57.3	Pass
4	20	-57.47	-57.3	Pass
5	20	-57.41	-57.3	Pass
6	20	-57.56	-57.3	Pass



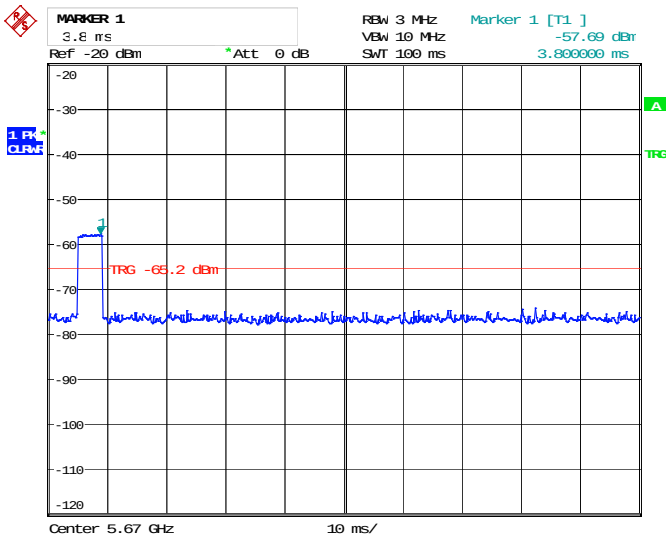
Date: 13.JUL.2017 16:57:03

Figure 8.1-1: Detection threshold measurements of radar type 0



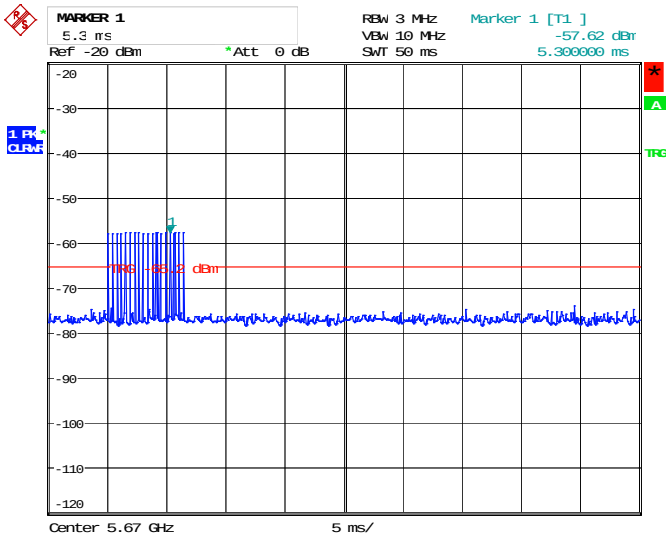
Date: 13.JUL.2017 16:59:19

Figure 8.1-2: Detection threshold measurements of radar type 1



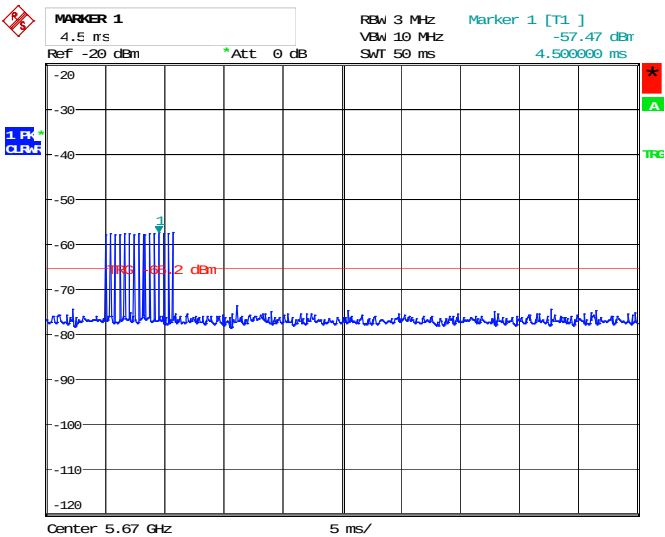
Date: 13.JUL.2017 17:00:18

Figure 8.1-3: Detection threshold measurements of radar type 2



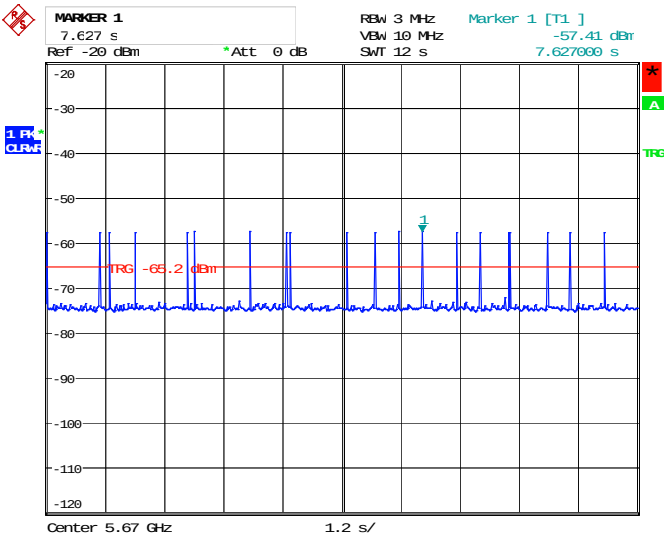
Date: 13.JUL.2017 17:01:39

Figure 8.1-4: Detection threshold measurements of radar type 3



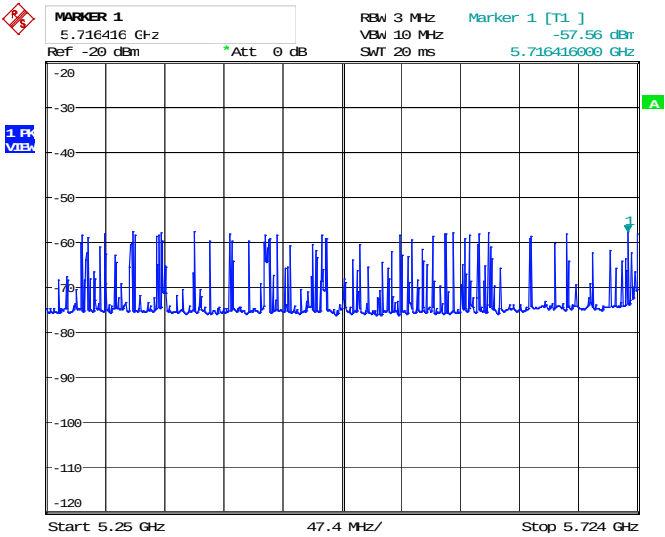
Date: 13.JUL.2017 17:03:29

Figure 8.1-5: Detection threshold measurements of radar type 4



Date: 13.JUL.2017 17:04:39

Figure 8.1-6: Detection threshold measurements of radar type 5



Date: 13.JUL.2017 17:10:26

Figure 8.1-7: Detection threshold measurements of radar type 6

8.2 U-NII detection bandwidth

8.2.1 Definitions and limits

Minimum U-NII detection bandwidth is 100% of the U-NII 99% transmission power bandwidth.

8.2.2 Test summary

Test date	July 14, 2017	Temperature	23 °C
Test engineer	Feng You	Air pressure	1006 mbar
Verdict	Pass	Relative humidity	59 %

8.2.3 Observations, settings and special notes

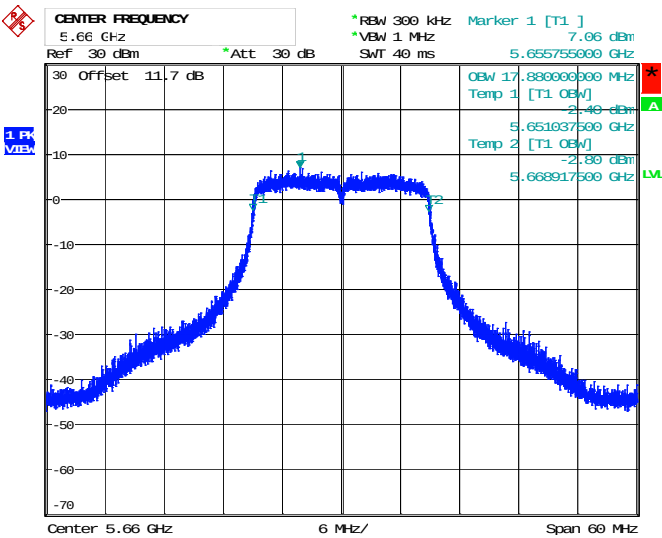
Starting at the center frequency of the UUT operating Channel, the radar frequency was increased in 5 MHz steps, the test sequence was repeated until the detection rate fell below the U-NII Detection Bandwidth criterion.

This measurement was repeated in 1 MHz steps at frequencies 5 MHz below where the detection rate began to fall. This highest frequency (denoted as F_H) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion was recorded. Recording the detection rate at frequencies above F_H is not required to demonstrate compliance.

Also this measurement was repeated in 1 MHz steps at frequencies 5 MHz below where the detection rate began to fall. This lowest frequency (denoted as F_L) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion was recorded. Recording the detection rate at frequencies below F_L is not required to demonstrate compliance.

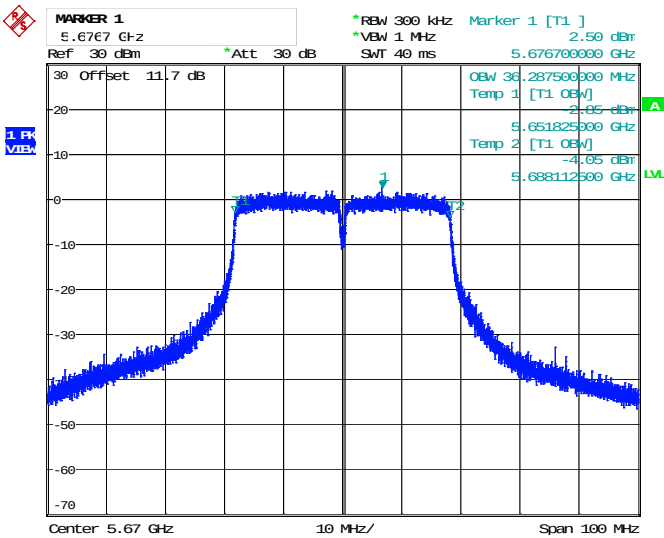
Radar type 0 was applied. Measurements were performed with no data traffic.

8.2.4 Test data



Date: 17.JUL.2017 12:24:07

Figure 8.2-1: 99% bandwidth for 802.11n HT20



Date: 17.JUL.2017 12:26:46

Figure 8.2-2: 99% bandwidth for 802.11ac VHT40

Table 8.2-1: Detection bandwidth for 802.11n HT20

U-NII Detection bandwidth, MHz	Minimum limit (99% power BW), MHz	Margin, MHz
26	17.88	8.12

Table 8.2-2: Detection bandwidth for 802.11n VHT40

U-NII Detection bandwidth, MHz	Minimum limit (99% power BW), MHz	Margin, MHz
42	36.29	5.71

Table 8.2-3: Radar detection bandwidth results 802.11n HT20

Frequency, MHz	Trial 1	Trial 2	Trial 3	Trial 4	Trial 5	Trial 6	Trial 7	Trial 8	Trial 9	Trial 10	Rate, %
5660	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	100
5665	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	100
5670	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	100
5675	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	0
5674	☐	☒	☒	☐	☒	☒	☒	☐	☒	☒	70
5673	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	100
5660	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	100
5655	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	100
5650	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	100
5645	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	0
5646	☐	☒	☐	☐	☐	☐	☐	☐	☐	☐	10
5647	☐	☒	☒	☒	☒	☒	☒	☒	☒	☒	90

Note: square with check mark denotes successful radar detection. Rate was calculated as follows: $100\% \times (\text{Total detections} \div \text{Total trials})$

U-NII Detection bandwidth = 5673-5647 = 26 MHz

Table 8.2-4: Radar detection bandwidth results 802.11n VHT40

Frequency, MHz	Trial 1	Trial 2	Trial 3	Trial 4	Trial 5	Trial 6	Trial 7	Trial 8	Trial 9	Trial 10	Rate, %
5670	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	100
5675	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	100
5680	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	100
5685	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	100
5690	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	100
5695	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	0
5692	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	0
5691	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	100
5665	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	100
5660	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	100
5655	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	100
5650	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	100
5645	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	0
5648	☐	☐	☐	☐	☐	☐	☐	☐	☐	☐	0
5649	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	100

Note: square with check mark denotes successful radar detection. Rate was calculated as follows: $100\% \times (\text{Total detections} \div \text{Total trials})$

U-NII Detection bandwidth = 5691-5649 = 42 MHz

8.3 Statistical performance for short pulse radars

8.3.1 Definitions and limits

For Radar types 1–4 (short pulse radars) minimum percentage of successful detection is 60 %. The aggregate limit is 80 %.

8.3.2 Test summary

Test date	July 18, 2017	Temperature	24 °C
Test engineer	Feng You	Air pressure	1004 mbar
Verdict	Pass	Relative humidity	64 %

8.3.3 Observations, settings and special notes

The percentage of successful detection is calculated by:

$$\frac{\text{Total waveform detections}}{\text{Total waveform trials}} \times 100\% = \text{Percentage of successful detection Radar waveform } N = P_d N$$

In addition an aggregate minimum percentage of successful detection across all Short Pulse Radar Types 1–4 is required and is calculated as follows:

$$\frac{P_{d1} + P_{d2} + P_{d3} + P_{d4}}{4}$$

The minimum number of trails is 30.

For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

8.3.4 Test data

Table 8.3-1: Summary of the short radar detection probability results for 802.11n HT20

Radar type	Detection probability (P_d), %	Minimum Limit, %	Margin, %
1	100	60	40
2	100	60	40
3	100	60	40
4	100	60	40
Aggregate	100	80	20

Table 8.3-2: Summary of the short radar detection probability results for 802.11n VHT40

Radar type	Detection probability (P_d), %	Minimum Limit, %	Margin, %
1	100	60	40
2	100	60	40
3	100	60	40
4	100	60	40
Aggregate	100	80	20

Table 8.3-3: Radar type 1 detection probability results

Trial	<u>802.11n HT20</u>		<u>802.11n VHT40</u>		<u>802.11n VHT80 – N/A</u>	
	Detected	Radar Frequency, MHz	Detected	Radar Frequency, MHz	Detected	Radar Frequency, MHz
1	☒	5260	☒	5270	☐	
2	☒	5260	☒	5270	☐	
3	☒	5260	☒	5270	☐	
4	☒	5280	☒	5270	☐	
5	☒	5280	☒	5270	☐	
6	☒	5280	☒	5270	☐	
7	☒	5300	☒	5310	☐	
8	☒	5300	☒	5310	☐	
9	☒	5300	☒	5310	☐	
10	☒	5320	☒	5310	☐	
11	☒	5320	☒	5310	☐	
12	☒	5320	☒	5310	☐	
13	☒	5500	☒	5510	☐	
14	☒	5500	☒	5510	☐	
15	☒	5500	☒	5510	☐	
16	☒	5520	☒	5510	☐	
17	☒	5520	☒	5510	☐	
18	☒	5520	☒	5510	☐	
19	☒	5540	☒	5550	☐	
20	☒	5540	☒	5550	☐	
21	☒	5560	☒	5550	☐	
22	☒	5560	☒	5550	☐	
23	☒	5580	☒	5550	☐	
24	☒	5580	☒	5550	☐	
25	☒	5660	☒	5670	☐	
26	☒	5660	☒	5670	☐	
27	☒	5680	☒	5670	☐	
28	☒	5680	☒	5670	☐	
29	☒	5700	☒	5670	☐	
30	☒	5700	☒	5670	☐	

Table 8.3-4: Radar type 1 trials' details

Trial number	Pulses/Bursts	Pulse width, μ s	PRI, μ s
1	95	1	558
2	59	1	898
3	65	1	818
4	83	1	638
5	78	1	678
6	74	1	718
7	99	1	538
8	68	1	778
9	70	1	758
10	81	1	658
11	58	1	918
12	18	1	3066
13	63	1	838
14	62	1	858
15	72	1	738
16	74	1	716
17	39	1	1367
18	35	1	1511
19	45	1	1190
20	87	1	609
21	38	1	1399
22	31	1	1737
23	37	1	1437
24	42	1	1264
25	24	1	2288
26	45	1	1189
27	60	1	886
28	33	1	1624
29	25	1	2185
30	23	1	2369

Table 8.3-5: Radar type 2 detection probability results

Trial	<u>802.11n HT20</u>		<u>802.11n VHT40</u>		<u>802.11n VHT80 – N/A</u>	
	Detected	Radar Frequency, MHz	Detected	Radar Frequency, MHz	Detected	Radar Frequency, MHz
1	☒	5260	☒	5270	☐	
2	☒	5260	☒	5270	☐	
3	☒	5260	☒	5270	☐	
4	☒	5280	☒	5270	☐	
5	☒	5280	☒	5270	☐	
6	☒	5280	☒	5270	☐	
7	☒	5300	☒	5310	☐	
8	☒	5300	☒	5310	☐	
9	☒	5300	☒	5310	☐	
10	☒	5320	☒	5310	☐	
11	☒	5320	☒	5310	☐	
12	☒	5320	☒	5310	☐	
13	☒	5500	☒	5510	☐	
14	☒	5500	☒	5510	☐	
15	☒	5500	☒	5510	☐	
16	☒	5520	☒	5510	☐	
17	☒	5520	☒	5510	☐	
18	☒	5520	☒	5510	☐	
19	☒	5540	☒	5550	☐	
20	☒	5540	☒	5550	☐	
21	☒	5560	☒	5550	☐	
22	☒	5560	☒	5550	☐	
23	☒	5580	☒	5550	☐	
24	☒	5580	☒	5550	☐	
25	☒	5660	☒	5670	☐	
26	☒	5660	☒	5670	☐	
27	☒	5680	☒	5670	☐	
28	☒	5680	☒	5670	☐	
29	☒	5700	☒	5670	☐	
30	☒	5700	☒	5670	☐	

Table 8.3-6: Radar type 2 trials' details

Trial number	Pulses/Bursts	Pulse width, μ s	PRI, μ s
1	25	1.5	163
2	26	1.3	196
3	23	1.7	197
4	26	3.2	208
5	29	3.1	210
6	26	3.8	204
7	28	2.2	216
8	23	2.8	182
9	23	4.8	180
10	25	1.6	178
11	24	2.7	220
12	27	2	165
13	24	2.4	212
14	28	1	221
15	25	2.2	208
16	27	4.6	227
17	27	2.3	150
18	28	3.9	161
19	28	4.9	206
20	24	2.1	160
21	24	2.7	153
22	28	4	159
23	26	1.9	172
24	29	2	177
25	29	2	172
26	27	1	160
27	25	4.1	153
28	25	2.6	215
29	28	4	206
30	26	2.5	172

Table 8.3-7: Radar type 3 detection probability results

Trial	<u>802.11n HT20</u>		<u>802.11n VHT40</u>		<u>802.11n VHT80 – N/A</u>	
	Detected	Radar Frequency, MHz	Detected	Radar Frequency, MHz	Detected	Radar Frequency, MHz
1	☒	5260	☒	5270	☐	
2	☒	5260	☒	5270	☐	
3	☒	5260	☒	5270	☐	
4	☒	5280	☒	5270	☐	
5	☒	5280	☒	5270	☐	
6	☒	5280	☒	5270	☐	
7	☒	5300	☒	5310	☐	
8	☒	5300	☒	5310	☐	
9	☒	5300	☒	5310	☐	
10	☒	5320	☒	5310	☐	
11	☒	5320	☒	5310	☐	
12	☒	5320	☒	5310	☐	
13	☒	5500	☒	5510	☐	
14	☒	5500	☒	5510	☐	
15	☒	5500	☒	5510	☐	
16	☒	5520	☒	5510	☐	
17	☒	5520	☒	5510	☐	
18	☒	5520	☒	5510	☐	
19	☒	5540	☒	5550	☐	
20	☒	5540	☒	5550	☐	
21	☒	5560	☒	5550	☐	
22	☒	5560	☒	5550	☐	
23	☒	5580	☒	5550	☐	
24	☒	5580	☒	5550	☐	
25	☒	5660	☒	5670	☐	
26	☒	5660	☒	5670	☐	
27	☒	5680	☒	5670	☐	
28	☒	5680	☒	5670	☐	
29	☒	5700	☒	5670	☐	
30	☒	5700	☒	5670	☐	

Table 8.3-8: Radar type 3 trial's details

Trial number	Pulses/Bursts	PRI, μ s	Pulse width, μ s
1	17	222	9.7
2	18	375	10
3	17	375	8.1
4	18	403	7.8
5	18	224	6.2
6	18	340	8.8
7	17	489	9.7
8	16	349	6.4
9	16	208	9.2
10	17	494	9.6
11	18	451	6.5
12	16	301	6.2
13	18	278	7
14	17	348	6.3
15	17	295	6.2
16	18	305	8.9
17	16	216	8.7
18	16	343	9.5
19	17	446	9.8
20	17	261	8.2
21	17	389	8.5
22	18	301	6.7
23	18	200	8.8
24	16	333	7.6
25	17	447	6.7
26	16	210	6
27	18	217	8.9
28	18	263	8
29	17	278	6.7
30	17	238	8.8

Table 8.3-9: Radar type 4 detection probability results

Trial	<u>802.11n HT20</u>		<u>802.11n VHT40</u>		<u>802.11n VHT80 – N/A</u>	
	Detected	Radar Frequency, MHz	Detected	Radar Frequency, MHz	Detected	Radar Frequency, MHz
1	☒	5260	☒	5270	☐	
2	☒	5260	☒	5270	☐	
3	☒	5260	☒	5270	☐	
4	☒	5280	☒	5270	☐	
5	☒	5280	☒	5270	☐	
6	☒	5280	☒	5270	☐	
7	☒	5300	☒	5310	☐	
8	☒	5300	☒	5310	☐	
9	☒	5300	☒	5310	☐	
10	☒	5320	☒	5310	☐	
11	☒	5320	☒	5310	☐	
12	☒	5320	☒	5310	☐	
13	☒	5500	☒	5510	☐	
14	☒	5500	☒	5510	☐	
15	☒	5500	☒	5510	☐	
16	☒	5520	☒	5510	☐	
17	☒	5520	☒	5510	☐	
18	☒	5520	☒	5510	☐	
19	☒	5540	☒	5550	☐	
20	☒	5540	☒	5550	☐	
21	☒	5560	☒	5550	☐	
22	☒	5560	☒	5550	☐	
23	☒	5580	☒	5550	☐	
24	☒	5580	☒	5550	☐	
25	☒	5660	☒	5670	☐	
26	☒	5660	☒	5670	☐	
27	☒	5680	☒	5670	☐	
28	☒	5680	☒	5670	☐	
29	☒	5700	☒	5670	☐	
30	☒	5700	☒	5670	☐	

Table 8.3-10: Radar type 4 trial's details

Trial number	Pulses/Bursts	Pulse width, μ s	PRI, μ s
1	12	17.1	409
2	16	12.2	343
3	16	19.6	464
4	13	15.8	210
5	15	19.9	279
6	15	11.2	407
7	15	18.6	477
8	12	14.6	454
9	14	18.9	231
10	12	17.1	201
11	16	15.3	200
12	15	13	420
13	13	12.3	210
14	12	16.5	217
15	12	12.7	254
16	16	13.9	357
17	14	13.8	245
18	13	17.4	455
19	16	17.6	283
20	13	19.3	278
21	16	15	282
22	12	19.2	215
23	14	15.3	427
24	15	18.8	465
25	16	13.7	270
26	15	16.6	261
27	14	12.1	364
28	16	15.3	309
29	12	15.5	433
30	14	17	348

8.4 Statistical performance for long pulse radars

8.4.1 Definitions and limits

For Radar type 5 (long pulse radars) minimum percentage of successful detection is 80 %.

8.4.2 Test summary

Test date	July 19, 2017	Temperature	23 °C
Test engineer	Feng You	Air pressure	1004 mbar
Verdict	Pass	Relative humidity	61 %

8.4.3 Observations, settings and special notes

The percentage of successful detection is calculated by:

$$\frac{\text{Total waveform detections}}{\text{Total waveform trials}} \times 100\%$$

The minimum number of trails is 30.

8.4.4 Test data

Table 8.4-1: Summary of the long radar detection probability results for 802.11n HT20

Radar type	Detection probability (Pd), %	Minimum Limit, %	Margin, %
5	100	80	20

Table 8.4-2: Summary of the long radar detection probability results for 802.11n VHT40

Radar type	Detection probability (Pd), %	Minimum Limit, %	Margin, %
5	87	80.00	7

Table 8.4-3: Radar type 5 detection probability results

Trial	Chirp Width, MHz	802.11n HT20		802.11n VHT40		802.11n VHT80 – N/A	
		Detected	Radar Frequency, MHz	Detected	Radar Frequency, MHz	Detected	Radar Frequency, MHz
1	8	☒	5660	☒	5670	☐	
2	15	☒	5660	☒	5670	☐	
3	11	☒	5660	☒	5670	☐	
4	5	☒	5660	☒	5670	☐	
5	14	☒	5660	☒	5670	☐	
6	13	☒	5660	☒	5670	☐	
7	20	☒	5660	☒	5670	☐	
8	8	☒	5660	☒	5670	☐	
9	7	☒	5660	☒	5670	☐	
10	14	☒	5660	☒	5670	☐	
11	6	☒	5653.4	☒	5654.2	☐	
12	17	☒	5657.8	☒	5658.6	☐	
13	12	☒	5655.8	☒	5656.6	☐	
14	11	☒	5655.4	☒	5656.2	☐	
15	13	☒	5656.2	☒	5657.0	☐	
16	8	☒	5654.2	☒	5655.0	☐	
17	15	☒	5657.0	☒	5657.8	☐	
18	9	☒	5654.6	☒	5655.4	☐	
19	11	☒	5655.4	☒	5656.2	☐	
20	17	☒	5657.8	☒	5658.6	☐	
21	20	☒	5660.9	☐	5680.1	☐	
22	20	☒	5660.9	☐	5680.1	☐	
23	9	☒	5665.3	☒	5684.5	☐	
24	5	☒	5666.9	☒	5686.1	☐	
25	7	☒	5666.1	☒	5685.3	☐	
26	18	☒	5661.7	☐	5680.9	☐	
27	16	☒	5662.5	☒	5681.7	☐	
28	20	☒	5660.9	☐	5680.1	☐	
29	12	☒	5664.1	☒	5683.3	☐	
30	5	☒	5666.9	☒	5686.1	☐	

8.5 Statistical performance for frequency hopping radars

8.5.1 Definitions and limits

For Radar type 6 (frequency hopping radars) minimum percentage of successful detection is 70 %.

8.5.2 Test summary

Test date	July 19, 2017	Temperature	23 °C
Test engineer	Feng You	Air pressure	1004 mbar
Verdict	Pass	Relative humidity	61 %

8.5.3 Observations, settings and special notes

The percentage of successful detection is calculated by:

$$\frac{\text{Total waveform detections}}{\text{Total waveform trials}} \times 100\%$$

The minimum number of trails is 30.

Pulses per hop is 9; Pulse Repetition Interval (PRI) is 333 µs; Pulse width is 1 µs

8.5.4 Test data

Table 8.5-1: Summary of the frequency hopping radar detection probability results for 802.11n HT20

Radar type	Detection probability (Pd), %	Minimum Limit, %	Margin, %
6	100	70.00	30

Table 8.5-2: Summary of the frequency hopping radar detection probability results for 802.11ac VHT40

Radar type	Detection probability (Pd), %	Minimum Limit, %	Margin, %
6	100	70.00	30

Table 8.5-3: Frequency hopping Radar results

Trial	802.11n HT20		802.11n VHT40		802.11n VHT80 – N/A	
	Detected	Radar Frequency, MHz	Detected	Radar Frequency, MHz	Detected	Radar Frequency, MHz
1	☒	5260	☒	5270	☐	
2	☒	5260	☒	5270	☐	
3	☒	5260	☒	5270	☐	
4	☒	5280	☒	5270	☐	
5	☒	5280	☒	5270	☐	
6	☒	5280	☒	5270	☐	
7	☒	5300	☒	5310	☐	
8	☒	5300	☒	5310	☐	
9	☒	5300	☒	5310	☐	
10	☒	5320	☒	5310	☐	
11	☒	5320	☒	5310	☐	
12	☒	5320	☒	5310	☐	
13	☒	5500	☒	5510	☐	
14	☒	5500	☒	5510	☐	
15	☒	5500	☒	5510	☐	
16	☒	5520	☒	5510	☐	
17	☒	5520	☒	5510	☐	
18	☒	5520	☒	5510	☐	
19	☒	5540	☒	5550	☐	
20	☒	5540	☒	5550	☐	
21	☒	5560	☒	5550	☐	
22	☒	5560	☒	5550	☐	
23	☒	5580	☒	5550	☐	
24	☒	5580	☒	5550	☐	
25	☒	5660	☒	5670	☐	
26	☒	5660	☒	5670	☐	
27	☒	5680	☒	5670	☐	
28	☒	5680	☒	5670	☐	
29	☒	5700	☒	5670	☐	
30	☒	5700	☒	5670	☐	

8.6 Channel closing transmission and move time

8.6.1 Definitions and limits

Maximum channel closing transmission time is 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period.
Maximum channel move time is 10 seconds.

8.6.2 Test summary

Test date	July 20, 2017	Temperature	24 °C
Test engineer	Feng You	Air pressure	1003 mbar
Verdict	Pass	Relative humidity	63 %

8.6.3 Observations, settings and special notes

The test was performed on the widest channel BW, which is 40 MHz with the use of Radar type 0.

8.6.4 Test data

Table 8.6-1: Channel closing transmission time results

Measured closing transmission time, ms	Limit, ms	Margin, ms
1.546	260.00	258.454

Table 8.6-2: Channel move time results

Measured move time, s	Limit, s	Margin, s
0.42	10.00	9.58

Table 8.6-3: Channel closing transmission and move time measurement results

Region	Start, s	End, s	Measured, ms	Limit, ms
0	0	0.2	0.735	200
1	0.2	10	0.811	60
2	10	12	0	0

Section 8
Test name
Specification

Testing data
Channel closing transmission and move time
KDB 905462 Section 7.8.3, RSS-247 6.3.2 c) and d)

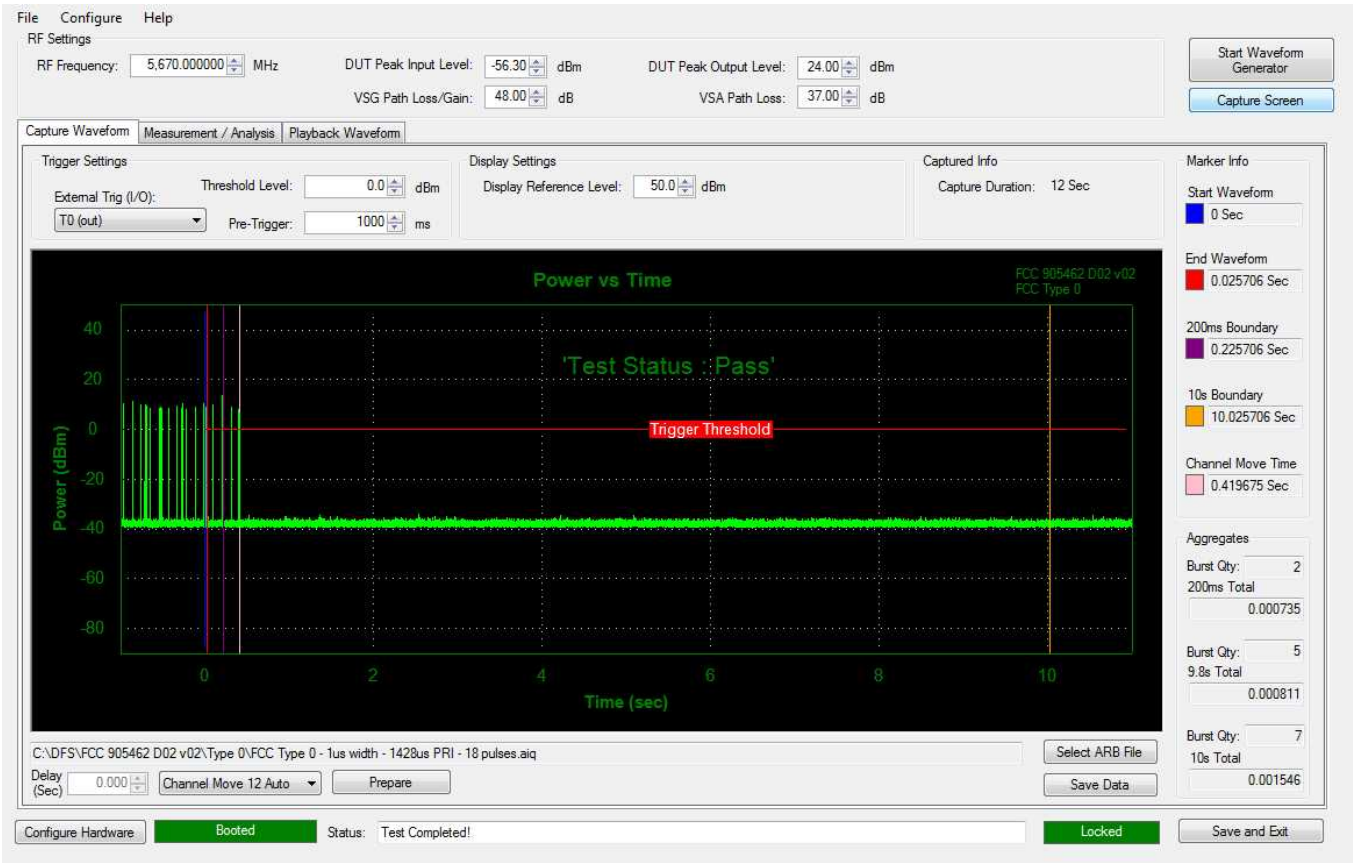


Figure 8.6-1: Channel closing transmission and move time

8.7 Initial channel availability check time

8.7.1 Definitions and limits

The initial channel availability check (CAC) time tests that the EUT does not emit beacon, control, or data signals on the test channel until the power-up sequence has been completed and the U-NII device checks for Radar Waveforms for one minute on the test channel.

8.7.2 Test summary

Test date	July 20, 2017	Temperature	24 °C
Test engineer	Feng You	Air pressure	1003 mbar
Verdict	Pass	Relative humidity	63 %

8.7.3 Observations, settings and special notes

This test was performed once on the widest channel BW, which is 40 MHz with the use of Radar type 0.

8.7.4 Test data

Table 8.7-1: Initial CAC results

Measured CAC, s	Minimum limit, s	Margin, s
81.365	60	21.365

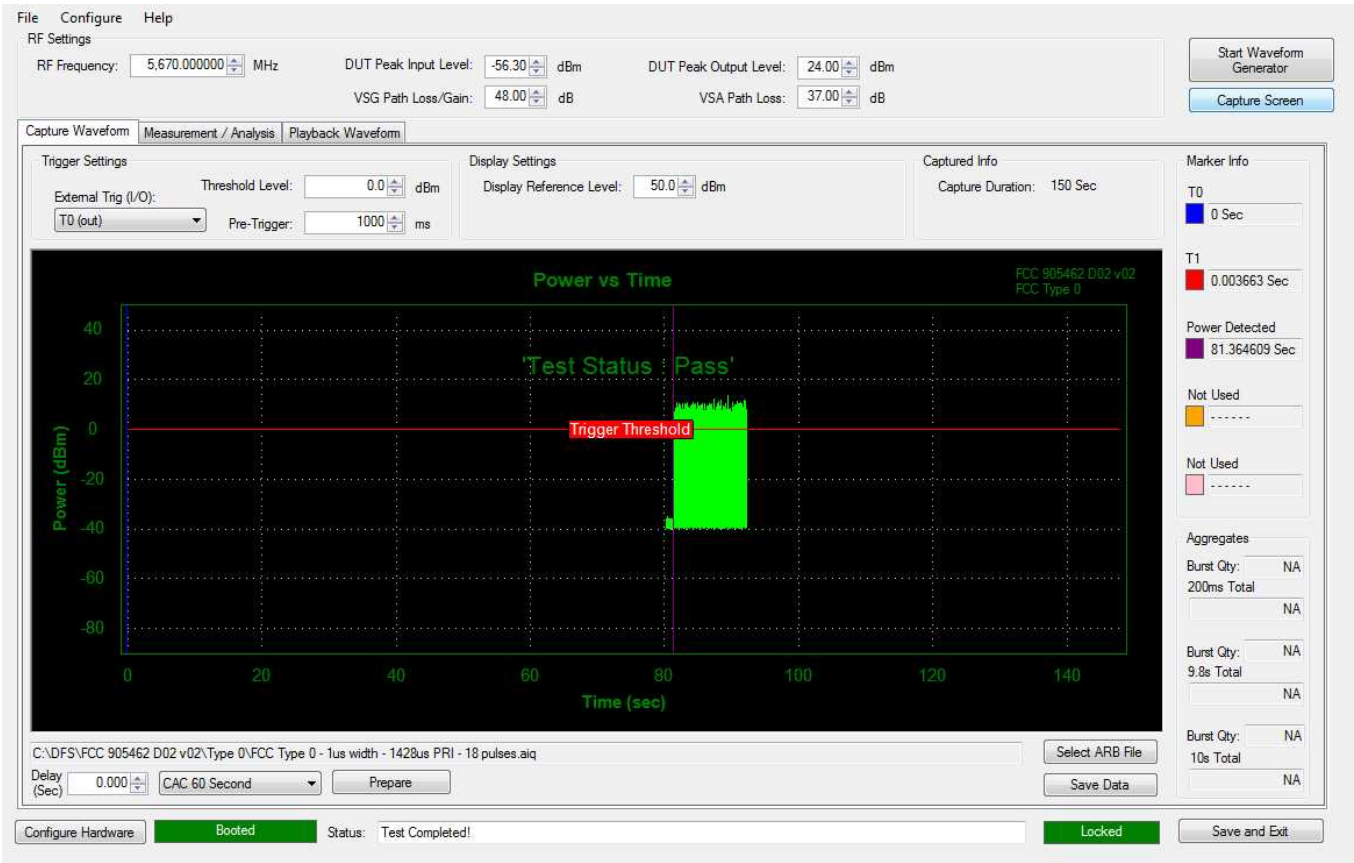


Figure 8.7-1: Initial CAC

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

8.8.1 Definitions and limits

This procedure is to verify successful radar detection on the test Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold + 1 dB occurs at the beginning (within first 6 seconds) of the Channel Availability Check Time.

8.8.2 Test summary

Test date	July 20, 2017	Temperature	24 °C
Test engineer	Feng You	Air pressure	1003 mbar
Verdict	Pass	Relative humidity	63 %

8.8.3 Observations, settings and special notes

This test was performed once on the widest channel BW, which is 40 MHz with the use of Radar type 0.

8.8.4 Test data

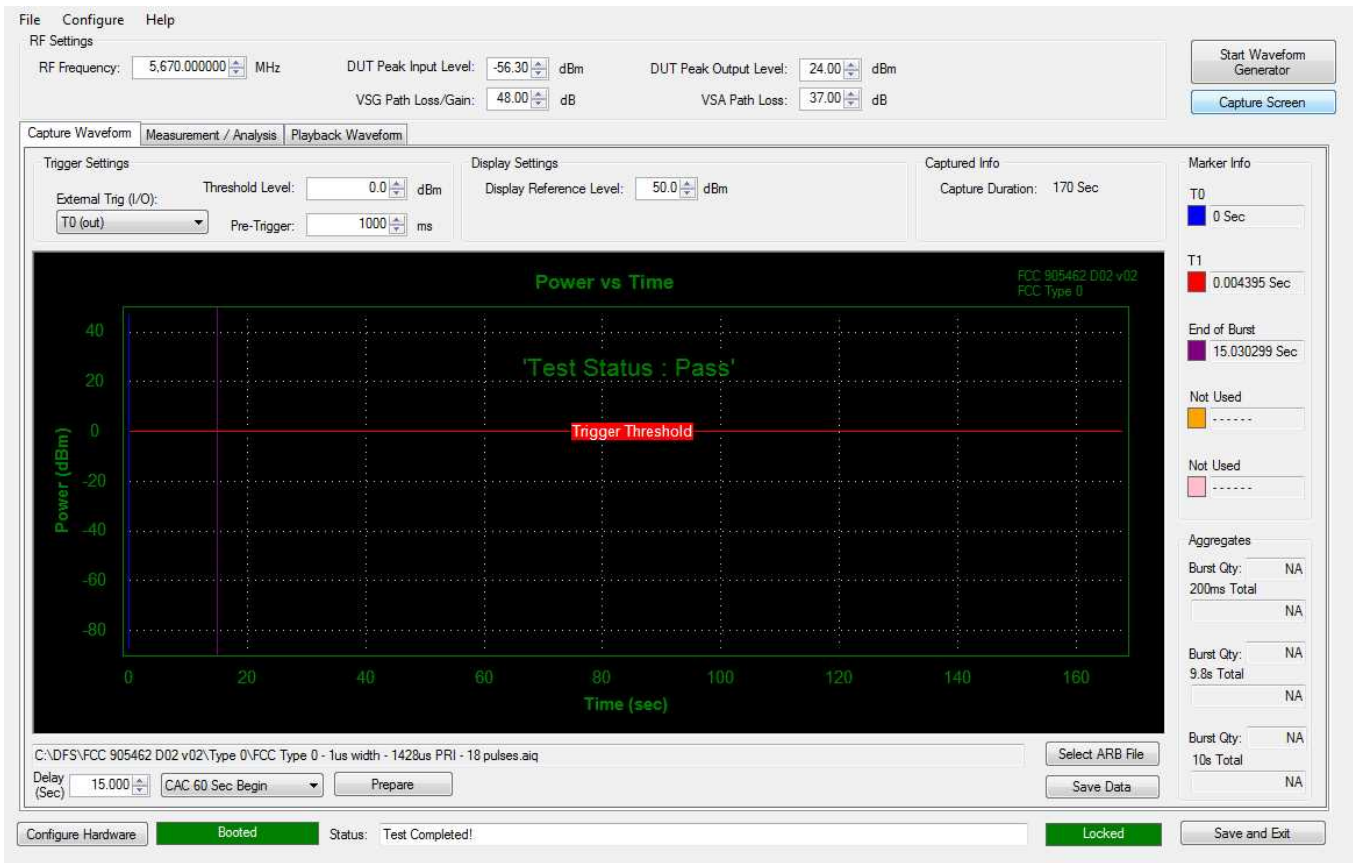


Figure 8.8-1: Radar burst at the beginning of the CAC

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

8.9.1 Definitions and limits

This procedure is to verify successful radar detection on the test Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold + 1 dB occurs at the end (within last 6 seconds) of the Channel Availability Check Time.

8.9.2 Test summary

Test date	July 20, 2017	Temperature	24 °C
Test engineer	Feng You	Air pressure	1003 mbar
Verdict	Pass	Relative humidity	63 %

8.9.3 Observations, settings and special notes

This test was performed once on the widest channel BW, which is 40 MHz with the use of Radar type 0.

8.9.4 Test data



Figure 8.9-1: Radar burst at the end of the CAC

8.10 Non-occupancy period

8.10.1 Definitions and limits

Non-occupancy period minimum is 30 minutes.

8.10.2 Test summary

Test date	July 20, 2017	Temperature	24 °C
Test engineer	Feng You	Air pressure	1003 mbar
Verdict	Pass	Relative humidity	63 %

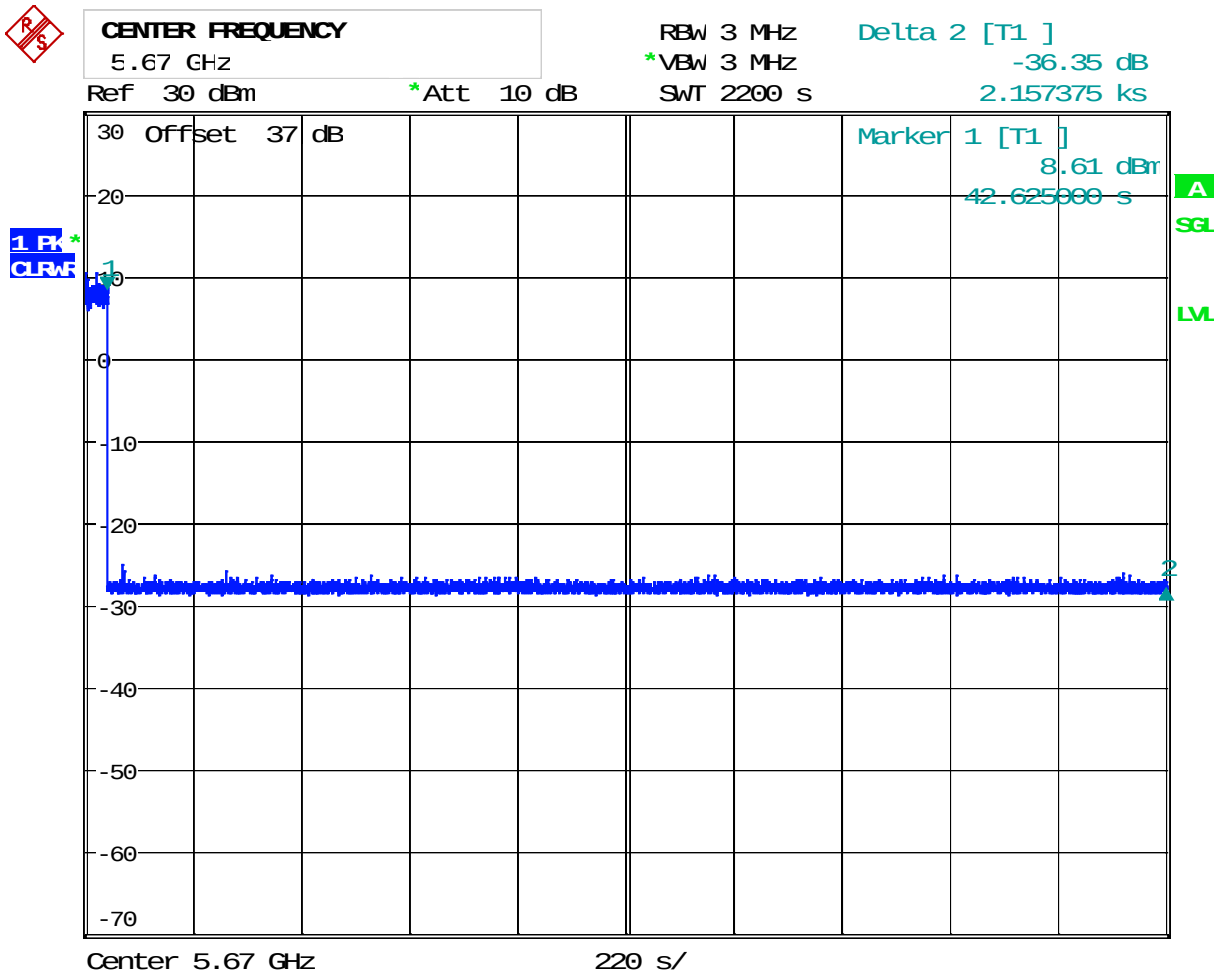
8.10.3 Observations, settings and special notes

The EUT was monitored for more than 30 minutes following instant T_2 (the end of Radar pulses) to verify that the EUT does not resume any transmissions on this Channel. This test was performed once on the widest channel BW, which is 40 MHz with the use of Radar type 0.

8.10.4 Test data

Table 8.10-1: Non-occupancy period results

Measured Non-occupancy period, min	Minimum limit, min	Margin, min
>31.26	30	>1.26

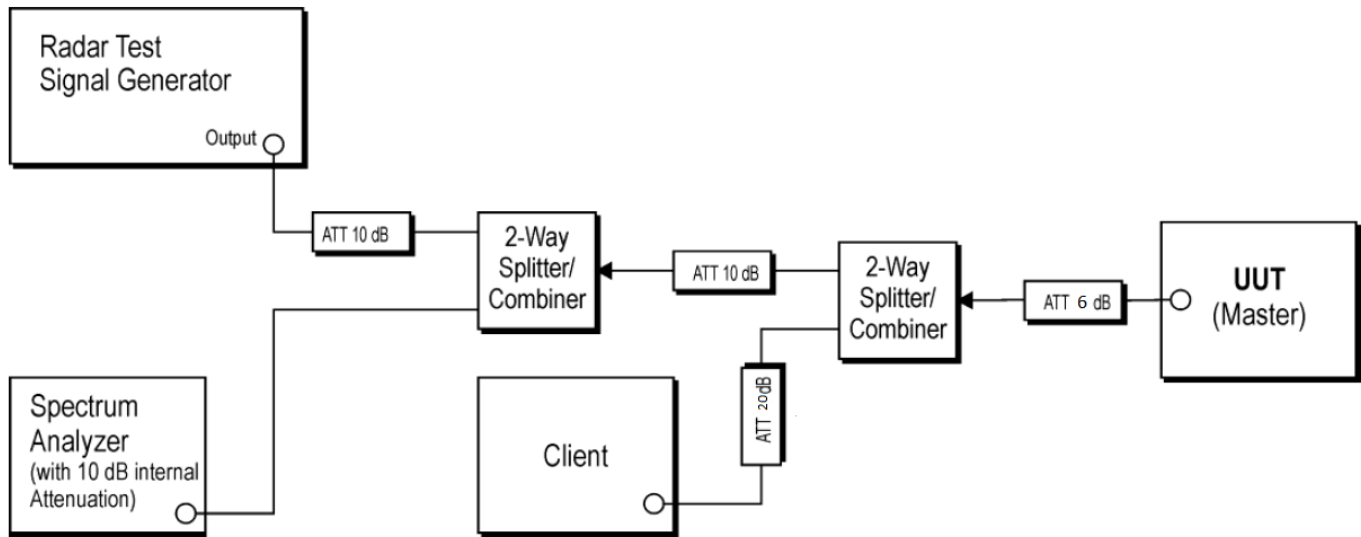


Date: 20.JUL.2017 12:22:20

Figure 8.10-1: Non-occupancy period

Section 9. Block diagrams of test set-ups

9.1 Test set-up diagram



Section 10. Radar pulse details

10.1 Radar type 5 (long pulse radar) pulses

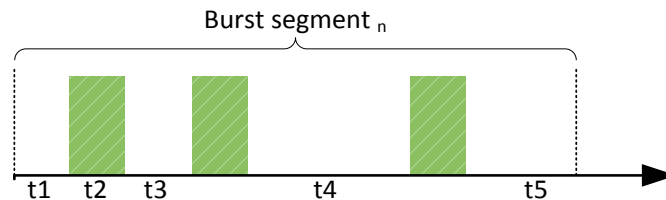


Figure 10.1-1: FCC Type 5 radar structure

Chirp on-time is t_2 , same for each pulse in a burst segment

If there was only one chirp pulse in a burst segment then only t_1 , t_2 and t_5 are active

If there were only two chirp pulses in a burst segment then only t_1 , t_2 , t_3 and t_5 are active

If all three chirp pulses are in a burst segment then t_1 , t_2 , t_3 , t_4 and t_5 are active

Table 10.1-1: Long Pulse Radar Waveforms, Trial number 0

Burst segment	Number of pulses	Chirp width, MHz	Start time (t_1), μs	Pulse width (t_2), μs	t_3 , μs	t_4 , μs	t_5 , μs	Total segment length, μs
1	3	8	178409	99	1063	1686	450123	631578
2	1	8	626723	56	0	0	4799	631578
3	3	8	167533	89	1328	1361	461089	631578
4	3	8	68455	70	1542	1269	560102	631578
5	1	8	499712	59	0	0	131807	631578
6	3	8	10814	90	1880	1819	616795	631578
7	2	8	508670	63	1813	0	120969	631578
8	1	8	607773	53	0	0	23752	631578
9	2	8	45993	94	1236	0	584161	631578
10	1	8	577493	67	0	0	54018	631578
11	2	8	511634	56	1639	0	118193	631578
12	1	8	372345	96	0	0	259137	631578
13	2	8	207360	69	1475	0	422605	631578
14	2	8	279496	69	1646	0	350298	631578
15	1	8	121840	59	0	0	509679	631578
16	3	8	73450	63	1826	1795	554318	631578
17	1	8	215340	75	0	0	416163	631578
18	2	8	43806	81	959	0	586651	631578
19	2	8	99234	63	1705	0	530513	631578

Table 10.1-2: Long Pulse Radar Waveforms, Trial number 1

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	1	15	684974	99	0	0	64927	750000
2	3	15	247082	71	1749	1827	499129	750000
3	2	15	185444	94	1599	0	562769	750000
4	1	15	107925	91	0	0	641984	750000
5	3	15	504232	60	1015	966	243607	750000
6	1	15	228004	83	0	0	521913	750000
7	3	15	229104	71	1901	1471	517311	750000
8	1	15	463225	53	0	0	286722	750000
9	1	15	586188	53	0	0	163759	750000
10	1	15	209618	60	0	0	540322	750000
11	3	15	586963	92	976	1868	159917	750000
12	2	15	179744	82	1566	0	568526	750000
13	2	15	492512	61	1865	0	255501	750000
14	1	15	98520	85	0	0	651395	750000
15	3	15	147907	83	1286	1591	598967	750000
16	2	15	442490	73	1204	0	306160	750000

Table 10.1-3: Long Pulse Radar Waveforms, Trial number 2

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	1	11	187233	73	0	0	812694	1000000
2	2	11	599327	89	1847	0	398648	1000000
3	1	11	957616	62	0	0	42322	1000000
4	3	11	67337	61	1022	1610	929848	1000000
5	1	11	319522	78	0	0	680400	1000000
6	2	11	924302	67	950	0	74614	1000000
7	1	11	131614	54	0	0	868332	1000000
8	3	11	381813	77	1004	1234	615718	1000000
9	3	11	374064	68	1393	1090	623249	1000000
10	1	11	991084	52	0	0	8864	1000000
11	2	11	727897	100	957	0	270946	1000000
12	2	11	423209	58	1207	0	575468	1000000

Table 10.1-4: Long Pulse Radar Waveforms, Trial number 3

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	1	5	980501	69	0	0	110339	1090909
2	3	5	361557	60	1918	1331	725923	1090909
3	2	5	113751	55	1236	0	975812	1090909
4	2	5	929807	76	937	0	160013	1090909
5	1	5	835229	67	0	0	255613	1090909
6	3	5	616019	65	1823	1067	471805	1090909
7	3	5	510248	69	1220	1219	578015	1090909
8	3	5	577735	91	1617	1295	509989	1090909
9	3	5	172568	97	1387	1736	914927	1090909
10	2	5	877699	89	953	0	212079	1090909
11	3	5	586179	85	1256	1503	501716	1090909

Table 10.1-5: Long Pulse Radar Waveforms, Trial number 4

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	1	14	464475	96	0	0	241311	705882
2	2	14	176482	86	1157	0	528071	705882
3	1	14	577256	54	0	0	128572	705882
4	3	14	203915	55	1809	1399	498594	705882
5	2	14	399896	86	1785	0	304029	705882
6	1	14	235546	68	0	0	470268	705882
7	1	14	111114	64	0	0	594704	705882
8	1	14	131399	54	0	0	574429	705882
9	3	14	402377	77	1728	1674	299872	705882
10	3	14	17692	96	1802	953	685147	705882
11	3	14	526216	86	1592	1065	176751	705882
12	2	14	126034	90	1575	0	578093	705882
13	2	14	439300	83	1033	0	265383	705882
14	3	14	473260	99	1532	1135	229658	705882
15	3	14	112794	69	1134	1384	590363	705882
16	1	14	389871	73	0	0	315938	705882
17	1	14	373534	97	0	0	332251	705882

Table 10.1-6: Long Pulse Radar Waveforms, Trial number 5

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	2	13	27811	77	1616	0	570419	600000
2	3	13	505740	70	1148	1515	91387	600000
3	2	13	437978	75	999	0	160873	600000
4	2	13	52596	88	1821	0	545407	600000
5	3	13	99783	98	1534	1141	497248	600000
6	3	13	366171	91	1280	1457	230819	600000
7	3	13	81197	60	1267	1797	515559	600000
8	1	13	158258	91	0	0	441651	600000
9	2	13	66309	97	1573	0	531924	600000
10	1	13	52868	50	0	0	547082	600000
11	3	13	256062	95	1617	1283	340753	600000
12	2	13	553688	86	1558	0	44582	600000
13	1	13	219820	79	0	0	380101	600000
14	1	13	515259	61	0	0	84680	600000
15	3	13	318004	84	1228	1710	278806	600000
16	2	13	213024	76	1557	0	385267	600000
17	3	13	584459	97	1169	1069	13012	600000
18	2	13	368200	84	1635	0	229997	600000
19	1	13	473025	64	0	0	126911	600000
20	1	13	71239	100	0	0	528661	600000

Table 10.1-7: Long Pulse Radar Waveforms, Trial number 6

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	2	20	731355	70	1629	0	600209	1333333
2	3	20	78440	75	963	1650	1252055	1333333
3	3	20	930103	90	1339	1393	400228	1333333
4	2	20	646071	62	1293	0	685845	1333333
5	2	20	886281	63	1487	0	445439	1333333
6	2	20	999740	74	1794	0	331651	1333333
7	1	20	93853	98	0	0	1239382	1333333
8	3	20	750860	84	1109	1631	579481	1333333
9	3	20	105003	55	1879	1752	1224534	1333333

Table 10.1-8: Long Pulse Radar Waveforms, Trial number 7

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	2	8	802084	96	1327	0	119473	923076
2	1	8	417609	56	0	0	505411	923076
3	3	8	562411	77	1678	1431	357325	923076
4	3	8	192963	71	1816	1824	726260	923076
5	3	8	601960	53	1305	1043	318609	923076
6	1	8	558805	65	0	0	364206	923076
7	3	8	294428	96	1767	1150	625443	923076
8	2	8	37717	70	1023	0	884196	923076
9	1	8	77841	88	0	0	845147	923076
10	2	8	642830	79	1540	0	278548	923076
11	1	8	6421	77	0	0	916578	923076
12	1	8	835157	79	0	0	87840	923076
13	1	8	206001	98	0	0	716977	923076

Table 10.1-9: Long Pulse Radar Waveforms, Trial number 8

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	1	7	92586	52	0	0	613244	705882
2	3	7	405020	81	1029	1184	298406	705882
3	1	7	475002	80	0	0	230800	705882
4	1	7	71687	60	0	0	634135	705882
5	2	7	99111	89	1221	0	605372	705882
6	3	7	464193	80	1024	1365	239060	705882
7	1	7	205065	56	0	0	500761	705882
8	1	7	571238	51	0	0	134593	705882
9	3	7	297779	96	927	1500	405388	705882
10	2	7	225073	51	1859	0	478848	705882
11	1	7	249429	99	0	0	456354	705882
12	1	7	76143	70	0	0	629669	705882
13	2	7	51535	66	1735	0	652480	705882
14	1	7	590031	56	0	0	115795	705882
15	3	7	401271	71	1061	950	302387	705882
16	2	7	233253	52	1618	0	470907	705882
17	3	7	475494	62	1705	1379	227118	705882

Table 10.1-10: Long Pulse Radar Waveforms, Trial number 9

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	3	14	739470	86	1395	1774	7103	750000
2	1	14	178602	92	0	0	571306	750000
3	1	14	414111	52	0	0	335837	750000
4	3	14	717368	90	1399	974	29989	750000
5	3	14	346659	97	1007	1513	400530	750000
6	2	14	637935	91	1550	0	110333	750000
7	2	14	83902	90	910	0	665008	750000
8	1	14	323304	99	0	0	426597	750000
9	3	14	435593	85	933	1277	311942	750000
10	1	14	594437	93	0	0	155470	750000
11	2	14	396733	95	1825	0	351252	750000
12	3	14	678091	66	1808	1776	68127	750000
13	1	14	378022	54	0	0	371924	750000
14	2	14	284649	52	1102	0	464145	750000
15	3	14	166701	92	915	1249	580859	750000
16	3	14	90430	56	1811	1019	656572	750000

Table 10.1-11: Long Pulse Radar Waveforms, Trial number 10

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	2	6	596520	85	1292	0	902018	1500000
2	1	6	50377	65	0	0	1449558	1500000
3	2	6	1194612	74	1216	0	304024	1500000
4	2	6	137411	89	1863	0	1360548	1500000
5	3	6	988020	57	1403	1802	508604	1500000
6	2	6	1113002	82	1390	0	385444	1500000
7	1	6	854488	75	0	0	645437	1500000
8	3	6	1082422	89	963	1366	414982	1500000

Table 10.1-12: Long Pulse Radar Waveforms, Trial number 11

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	2	17	693171	60	1845	0	304864	1000000
2	2	17	583904	63	942	0	415028	1000000
3	3	17	563106	80	962	1407	434285	1000000
4	1	17	295579	87	0	0	704334	1000000
5	3	17	543926	81	1181	1283	453367	1000000
6	3	17	585040	61	1574	1068	412135	1000000
7	3	17	832425	64	1738	1366	164279	1000000
8	1	17	996950	60	0	0	2990	1000000
9	2	17	447405	95	1832	0	550573	1000000
10	1	17	654126	80	0	0	345794	1000000
11	3	17	778607	87	1785	1613	217734	1000000
12	3	17	327822	65	1932	1407	668644	1000000

Table 10.1-13: Long Pulse Radar Waveforms, Trial number 12

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	3	12	178993	61	1478	1916	484096	666666
2	2	12	474112	92	1427	0	190943	666666
3	3	12	182476	73	1692	1896	480383	666666
4	2	12	245555	85	1775	0	419166	666666
5	1	12	443349	78	0	0	223239	666666
6	3	12	620591	79	1011	1279	43548	666666
7	2	12	197523	82	1362	0	467617	666666
8	1	12	663517	55	0	0	3094	666666
9	2	12	27358	63	1700	0	637482	666666
10	3	12	51815	83	1801	1138	611663	666666
11	3	12	485838	59	1215	1048	178388	666666
12	2	12	90983	68	1539	0	574008	666666
13	1	12	181472	52	0	0	485142	666666
14	3	12	410720	61	1592	1387	252784	666666
15	2	12	50320	61	1118	0	615106	666666
16	2	12	511963	73	1292	0	153265	666666
17	2	12	432270	50	1755	0	232541	666666
18	3	12	389680	86	1306	1260	274162	666666

Table 10.1-14: Long Pulse Radar Waveforms, Trial number 13

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	3	11	192771	62	1141	1780	510004	705882
2	3	11	508759	58	1168	989	194792	705882
3	3	11	203331	51	1059	1542	499797	705882
4	1	11	29662	83	0	0	676137	705882
5	1	11	513950	76	0	0	191856	705882
6	3	11	399232	67	1310	1433	303706	705882
7	3	11	650808	59	1331	1602	51964	705882
8	1	11	178236	73	0	0	527573	705882
9	2	11	264638	68	1064	0	440044	705882
10	3	11	223606	62	1194	1164	479732	705882
11	1	11	685275	77	0	0	20530	705882
12	3	11	510482	52	1610	1340	192294	705882
13	1	11	172057	79	0	0	533746	705882
14	3	11	240237	96	1818	1731	461808	705882
15	3	11	271229	94	1881	1743	430747	705882
16	3	11	674532	81	1491	1777	27839	705882
17	3	11	537279	59	1231	1078	166117	705882

Table 10.1-15: Long Pulse Radar Waveforms, Trial number 14

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	2	13	575664	64	1777	0	513340	1090909
2	3	13	1016559	95	1429	1903	70733	1090909
3	2	13	632725	81	1139	0	456883	1090909
4	3	13	216334	73	1233	960	872163	1090909
5	2	13	1014873	64	1326	0	74582	1090909
6	1	13	435155	97	0	0	655657	1090909
7	3	13	474374	54	1687	1150	613536	1090909
8	1	13	1062667	91	0	0	28151	1090909
9	1	13	678863	66	0	0	411980	1090909
10	3	13	489903	91	1742	1891	597100	1090909
11	3	13	382867	73	1102	1914	704807	1090909

Table 10.1-16: Long Pulse Radar Waveforms, Trial number 15

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	2	8	1022206	94	1163	0	67352	1090909
2	2	8	718589	100	1011	0	371109	1090909
3	1	8	141466	96	0	0	949347	1090909
4	1	8	853837	90	0	0	236982	1090909
5	3	8	267315	75	1380	1728	820261	1090909
6	2	8	349627	70	1763	0	739379	1090909
7	1	8	410912	68	0	0	679929	1090909
8	3	8	1021618	78	1402	996	66659	1090909
9	1	8	940195	78	0	0	150636	1090909
10	1	8	195316	66	0	0	895527	1090909
11	1	8	1075500	71	0	0	15338	1090909

Table 10.1-17: Long Pulse Radar Waveforms, Trial number 16

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	2	15	1189806	53	1631	0	308457	1500000
2	1	15	69072	84	0	0	1430844	1500000
3	3	15	1298424	86	1097	1020	199201	1500000
4	3	15	856084	82	1479	955	641236	1500000
5	1	15	841286	58	0	0	658656	1500000
6	1	15	1464884	99	0	0	35017	1500000
7	1	15	1409832	74	0	0	90094	1500000
8	2	15	338186	74	1246	0	1160420	1500000

Table 10.1-18: Long Pulse Radar Waveforms, Trial number 17

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	2	9	231509	88	1164	0	690227	923076
2	2	9	149973	79	1118	0	771827	923076
3	2	9	695859	76	1278	0	225787	923076
4	3	9	700741	85	950	1557	219573	923076
5	1	9	356328	83	0	0	566665	923076
6	3	9	85766	75	1402	1539	834144	923076
7	2	9	147682	66	1173	0	774089	923076
8	2	9	733286	82	1413	0	188213	923076
9	3	9	285078	76	998	1305	635467	923076
10	2	9	916465	100	1732	0	4679	923076
11	1	9	566292	83	0	0	356701	923076
12	1	9	727470	57	0	0	195549	923076
13	3	9	522962	94	1616	1084	397132	923076

Table 10.1-19: Long Pulse Radar Waveforms, Trial number 18

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	3	11	1399449	64	1575	1094	97690	1500000
2	1	11	3720	98	0	0	1496182	1500000
3	3	11	141143	95	1764	1865	1354943	1500000
4	1	11	390173	99	0	0	1109728	1500000
5	2	11	830247	82	1576	0	668013	1500000
6	3	11	1303997	72	1754	1928	192105	1500000
7	2	11	440786	76	1259	0	1057803	1500000
8	3	11	620687	73	1854	1721	875519	1500000

Table 10.1-20: Long Pulse Radar Waveforms, Trial number 19

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	3	17	652978	57	1510	1685	93656	750000
2	3	17	195844	56	1701	1699	550588	750000
3	1	17	707272	81	0	0	42647	750000
4	2	17	681431	63	1475	0	66968	750000
5	2	17	336006	80	1332	0	412502	750000
6	2	17	547533	64	1412	0	200927	750000
7	2	17	329686	86	978	0	419164	750000
8	3	17	120671	58	1622	1456	626077	750000
9	2	17	686178	65	1008	0	62684	750000
10	3	17	183402	92	1223	976	564123	750000
11	2	17	293356	70	1845	0	454659	750000
12	3	17	258495	80	1838	935	488492	750000
13	3	17	646881	62	1289	1042	100602	750000
14	1	17	189377	50	0	0	560573	750000
15	1	17	237427	53	0	0	512520	750000
16	3	17	584184	54	1314	1043	163297	750000

Table 10.1-21: Long Pulse Radar Waveforms, Trial number 20

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	2	20	1008128	100	1668	0	323337	1333333
2	1	20	524251	69	0	0	809013	1333333
3	3	20	26821	53	1765	1177	1303411	1333333
4	2	20	1090880	76	1841	0	240460	1333333
5	3	20	578000	63	1748	1349	752047	1333333
6	3	20	335572	96	1331	1461	994681	1333333
7	3	20	1086688	71	1441	972	244019	1333333
8	2	20	603779	80	1570	0	727824	1333333
9	1	20	79412	79	0	0	1253842	1333333

Table 10.1-22: Long Pulse Radar Waveforms, Trial number 21

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	3	20	30153	59	967	1133	1300903	1333333
2	1	20	1057847	80	0	0	275406	1333333
3	3	20	1290974	64	1441	1769	38957	1333333
4	3	20	453957	76	1405	1012	876731	1333333
5	1	20	836947	93	0	0	496293	1333333
6	3	20	824342	58	963	942	506912	1333333
7	2	20	1192325	91	978	0	139848	1333333
8	1	20	149342	90	0	0	1183901	1333333
9	3	20	948998	85	1161	1872	381047	1333333

Table 10.1-23: Long Pulse Radar Waveforms, Trial number 22

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	2	9	216295	98	1420	0	705165	923076
2	2	9	850330	100	1540	0	71006	923076
3	1	9	861799	99	0	0	61178	923076
4	1	9	284092	93	0	0	638891	923076
5	2	9	4972	87	936	0	916994	923076
6	1	9	778150	70	0	0	144856	923076
7	3	9	646700	86	924	950	274244	923076
8	3	9	482284	56	1920	1221	437483	923076
9	2	9	183161	97	1811	0	737910	923076
10	3	9	15661	73	1858	1410	903928	923076
11	3	9	884618	75	1605	1022	35606	923076
12	1	9	742275	98	0	0	180703	923076
13	2	9	876564	98	1125	0	45191	923076

Table 10.1-24: Long Pulse Radar Waveforms, Trial number 23

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	2	5	434658	93	1142	0	421156	857142
2	1	5	225061	92	0	0	631989	857142
3	2	5	383426	98	1752	0	471768	857142
4	2	5	93159	65	1887	0	761966	857142
5	3	5	149616	64	1029	1458	704847	857142
6	2	5	536396	67	1052	0	319560	857142
7	1	5	649906	51	0	0	207185	857142
8	3	5	490236	82	933	972	364755	857142
9	3	5	370535	97	1360	1255	483701	857142
10	3	5	401184	87	1561	1668	452468	857142
11	2	5	343903	92	1557	0	511498	857142
12	3	5	571792	100	1595	1723	281732	857142
13	1	5	296787	71	0	0	560284	857142
14	2	5	520475	55	1672	0	334885	857142

Table 10.1-25: Long Pulse Radar Waveforms, Trial number 24

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	1	7	808394	67	0	0	114615	923076
2	3	7	334848	90	1785	1616	584557	923076
3	2	7	318929	88	1152	0	602819	923076
4	2	7	879340	94	1327	0	42221	923076
5	3	7	299999	64	1914	1583	619388	923076
6	3	7	850650	61	1750	1284	69209	923076
7	1	7	331298	75	0	0	591703	923076
8	2	7	446627	81	1745	0	474542	923076
9	2	7	547551	79	1330	0	374037	923076
10	2	7	641038	51	1723	0	280213	923076
11	2	7	536732	75	1864	0	384330	923076
12	1	7	512437	89	0	0	410550	923076
13	3	7	580225	81	1229	1356	340023	923076

Table 10.1-26: Long Pulse Radar Waveforms, Trial number 25

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	1	18	43575	56	0	0	623035	666666
2	2	18	132581	94	1637	0	532260	666666
3	1	18	86891	57	0	0	579718	666666
4	2	18	201487	93	1705	0	463288	666666
5	1	18	118122	68	0	0	548476	666666
6	1	18	633985	60	0	0	32621	666666
7	3	18	14334	63	1219	1164	649760	666666
8	1	18	387403	80	0	0	279183	666666
9	3	18	446889	52	1136	1142	217343	666666
10	3	18	20506	63	1221	1466	643284	666666
11	1	18	330919	52	0	0	335695	666666
12	2	18	111483	68	1741	0	553306	666666
13	2	18	607809	99	1153	0	57506	666666
14	1	18	122318	56	0	0	544292	666666
15	2	18	28086	93	1763	0	636631	666666
16	3	18	93893	92	1473	1621	569403	666666
17	2	18	626763	63	1035	0	38742	666666
18	1	18	50342	59	0	0	616265	666666

Table 10.1-27: Long Pulse Radar Waveforms, Trial number 26

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	3	16	680922	57	1032	1104	816771	1500000
2	2	16	89952	96	1378	0	1408478	1500000
3	2	16	1000482	59	1278	0	498122	1500000
4	2	16	1151932	96	909	0	346967	1500000
5	3	16	1034792	94	1123	1349	462454	1500000
6	2	16	1315528	73	1829	0	182497	1500000
7	1	16	1300138	63	0	0	199799	1500000
8	3	16	278183	63	1831	1146	1218651	1500000

Table 10.1-28: Long Pulse Radar Waveforms, Trial number 27

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	1	20	375064	63	0	0	547949	923076
2	1	20	339391	56	0	0	583629	923076
3	3	20	874294	50	1475	1755	45402	923076
4	3	20	346304	59	1878	1393	573324	923076
5	1	20	263140	92	0	0	659844	923076
6	1	20	588793	84	0	0	334199	923076
7	1	20	538831	79	0	0	384166	923076
8	2	20	262218	80	1032	0	659666	923076
9	1	20	444676	56	0	0	478344	923076
10	1	20	840727	97	0	0	82252	923076
11	2	20	81309	70	1592	0	840035	923076
12	1	20	423763	96	0	0	499217	923076
13	3	20	62960	54	1874	1217	856863	923076

Table 10.1-29: Long Pulse Radar Waveforms, Trial number 28

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	3	12	173725	84	1299	1817	422907	600000
2	1	12	3198	73	0	0	596729	600000
3	3	12	396799	81	1392	1680	199886	600000
4	3	12	449330	61	1616	1408	147463	600000
5	1	12	568916	51	0	0	31033	600000
6	3	12	135291	77	1661	1133	461684	600000
7	1	12	97641	86	0	0	502273	600000
8	2	12	405161	65	1523	0	193186	600000
9	2	12	445742	69	1540	0	152580	600000
10	2	12	271992	88	1531	0	326301	600000
11	2	12	368242	79	961	0	230639	600000
12	1	12	442209	62	0	0	157729	600000
13	3	12	479950	71	1388	1447	117002	600000
14	3	12	385422	77	1850	1061	211436	600000
15	3	12	503116	53	1031	1692	94002	600000
16	1	12	531451	65	0	0	68484	600000
17	1	12	201233	52	0	0	398715	600000
18	2	12	1023	97	1791	0	596992	600000
19	2	12	236721	79	1371	0	361750	600000
20	2	12	584959	56	1840	0	13089	600000

Table 10.1-30: Long Pulse Radar Waveforms, Trial number 29

Burst segment	Number of pulses	Chirp width, MHz	Start time (t1), μ s	Pulse width (t2), μ s	t3, μ s	t4, μ s	t5, μ s	Total segment length, μ s
1	3	5	659659	59	1736	1725	193845	857142
2	1	5	403220	73	0	0	453849	857142
3	1	5	588490	95	0	0	268557	857142
4	2	5	337568	86	1570	0	517832	857142
5	3	5	343280	87	1144	1113	511344	857142
6	1	5	489224	74	0	0	367844	857142
7	2	5	83244	58	1275	0	772507	857142
8	2	5	680030	82	1441	0	175507	857142
9	1	5	623620	80	0	0	233442	857142
10	1	5	441034	100	0	0	416008	857142
11	1	5	838687	65	0	0	18390	857142
12	3	5	268828	57	1775	1941	584427	857142
13	1	5	680969	93	0	0	176080	857142
14	1	5	337254	89	0	0	519799	857142

10.2 Radar type 6 (frequency hopping radar) pulses

Table 10.2-1: List of frequencies of hopping radar type 6 for Trial 0

Hop number	Hop frequency	Hop number	Hop frequency
1	5565.000000 MHz	51	5515.000000 MHz
2	5619.000000 MHz	52	5614.000000 MHz
3	5289.000000 MHz	53	5603.000000 MHz
4	5698.000000 MHz	54	5514.000000 MHz
5	5370.000000 MHz	55	5261.000000 MHz
6	5544.000000 MHz	56	5271.000000 MHz
7	5381.000000 MHz	57	5286.000000 MHz
8	5547.000000 MHz	58	5524.000000 MHz
9	5458.000000 MHz	59	5709.000000 MHz
10	5711.000000 MHz	60	5568.000000 MHz
11	5691.000000 MHz	61	5439.000000 MHz
12	5648.000000 MHz	62	5717.000000 MHz
13	5523.000000 MHz	63	5462.000000 MHz
14	5295.000000 MHz	64	5708.000000 MHz
15	5535.000000 MHz	65	5388.000000 MHz
16	5694.000000 MHz	66	5448.000000 MHz
17	5716.000000 MHz	67	5344.000000 MHz
18	5513.000000 MHz	68	5586.000000 MHz
19	5441.000000 MHz	69	5265.000000 MHz
20	5352.000000 MHz	70	5715.000000 MHz
21	5687.000000 MHz	71	5321.000000 MHz
22	5355.000000 MHz	72	5273.000000 MHz
23	5499.000000 MHz	73	5525.000000 MHz
24	5562.000000 MHz	74	5538.000000 MHz
25	5522.000000 MHz	75	5440.000000 MHz
26	5345.000000 MHz	76	5481.000000 MHz
27	5272.000000 MHz	77	5531.000000 MHz
28	5474.000000 MHz	78	5280.000000 MHz
29	5393.000000 MHz	79	5693.000000 MHz
30	5501.000000 MHz	80	5390.000000 MHz
31	5656.000000 MHz	81	5422.000000 MHz
32	5311.000000 MHz	82	5433.000000 MHz
33	5396.000000 MHz	83	5607.000000 MHz
34	5495.000000 MHz	84	5705.000000 MHz
35	5622.000000 MHz	85	5611.000000 MHz
36	5652.000000 MHz	86	5369.000000 MHz
37	5426.000000 MHz	87	5404.000000 MHz
38	5362.000000 MHz	88	5326.000000 MHz
39	5476.000000 MHz	89	5676.000000 MHz
40	5663.000000 MHz	90	5409.000000 MHz
41	5252.000000 MHz	91	5510.000000 MHz
42	5699.000000 MHz	92	5406.000000 MHz
43	5398.000000 MHz	93	5634.000000 MHz
44	5371.000000 MHz	94	5451.000000 MHz
45	5678.000000 MHz	95	5610.000000 MHz
46	5589.000000 MHz	96	5572.000000 MHz
47	5333.000000 MHz	97	5502.000000 MHz
48	5667.000000 MHz	98	5518.000000 MHz
49	5363.000000 MHz	99	5543.000000 MHz
50	5533.000000 MHz	100	5579.000000 MHz

Table 10.2-2: List of frequencies of hopping radar type 6 for Trial 1

Hop number	Hop frequency	Hop number	Hop frequency
1	5411.000000 MHz	51	5509.000000 MHz
2	5714.000000 MHz	52	5469.000000 MHz
3	5447.000000 MHz	53	5699.000000 MHz
4	5342.000000 MHz	54	5314.000000 MHz
5	5427.000000 MHz	55	5536.000000 MHz
6	5530.000000 MHz	56	5553.000000 MHz
7	5586.000000 MHz	57	5533.000000 MHz
8	5537.000000 MHz	58	5468.000000 MHz
9	5470.000000 MHz	59	5295.000000 MHz
10	5576.000000 MHz	60	5710.000000 MHz
11	5289.000000 MHz	61	5410.000000 MHz
12	5525.000000 MHz	62	5671.000000 MHz
13	5505.000000 MHz	63	5309.000000 MHz
14	5467.000000 MHz	64	5475.000000 MHz
15	5458.000000 MHz	65	5294.000000 MHz
16	5466.000000 MHz	66	5440.000000 MHz
17	5639.000000 MHz	67	5609.000000 MHz
18	5369.000000 MHz	68	5368.000000 MHz
19	5319.000000 MHz	69	5279.000000 MHz
20	5667.000000 MHz	70	5544.000000 MHz
21	5264.000000 MHz	71	5320.000000 MHz
22	5382.000000 MHz	72	5700.000000 MHz
23	5599.000000 MHz	73	5552.000000 MHz
24	5280.000000 MHz	74	5660.000000 MHz
25	5303.000000 MHz	75	5429.000000 MHz
26	5684.000000 MHz	76	5334.000000 MHz
27	5502.000000 MHz	77	5636.000000 MHz
28	5425.000000 MHz	78	5569.000000 MHz
29	5590.000000 MHz	79	5493.000000 MHz
30	5604.000000 MHz	80	5704.000000 MHz
31	5578.000000 MHz	81	5430.000000 MHz
32	5446.000000 MHz	82	5267.000000 MHz
33	5716.000000 MHz	83	5349.000000 MHz
34	5414.000000 MHz	84	5464.000000 MHz
35	5276.000000 MHz	85	5397.000000 MHz
36	5701.000000 MHz	86	5270.000000 MHz
37	5521.000000 MHz	87	5531.000000 MHz
38	5339.000000 MHz	88	5282.000000 MHz
39	5500.000000 MHz	89	5561.000000 MHz
40	5597.000000 MHz	90	5718.000000 MHz
41	5555.000000 MHz	91	5434.000000 MHz
42	5595.000000 MHz	92	5473.000000 MHz
43	5419.000000 MHz	93	5610.000000 MHz
44	5670.000000 MHz	94	5641.000000 MHz
45	5392.000000 MHz	95	5570.000000 MHz
46	5364.000000 MHz	96	5297.000000 MHz
47	5285.000000 MHz	97	5393.000000 MHz
48	5656.000000 MHz	98	5690.000000 MHz
49	5611.000000 MHz	99	5398.000000 MHz
50	5423.000000 MHz	100	5723.000000 MHz

Table 10.2-3: List of frequencies of hopping radar type 6 for Trial 2

Hop number	Hop frequency	Hop number	Hop frequency
1	5487.000000 MHz	51	5267.000000 MHz
2	5601.000000 MHz	52	5505.000000 MHz
3	5374.000000 MHz	53	5375.000000 MHz
4	5415.000000 MHz	54	5418.000000 MHz
5	5622.000000 MHz	55	5691.000000 MHz
6	5624.000000 MHz	56	5627.000000 MHz
7	5543.000000 MHz	57	5646.000000 MHz
8	5527.000000 MHz	58	5331.000000 MHz
9	5256.000000 MHz	59	5520.000000 MHz
10	5704.000000 MHz	60	5667.000000 MHz
11	5602.000000 MHz	61	5498.000000 MHz
12	5332.000000 MHz	62	5504.000000 MHz
13	5458.000000 MHz	63	5440.000000 MHz
14	5670.000000 MHz	64	5333.000000 MHz
15	5700.000000 MHz	65	5361.000000 MHz
16	5461.000000 MHz	66	5438.000000 MHz
17	5347.000000 MHz	67	5491.000000 MHz
18	5472.000000 MHz	68	5563.000000 MHz
19	5511.000000 MHz	69	5378.000000 MHz
20	5483.000000 MHz	70	5465.000000 MHz
21	5706.000000 MHz	71	5515.000000 MHz
22	5707.000000 MHz	72	5395.000000 MHz
23	5475.000000 MHz	73	5270.000000 MHz
24	5680.000000 MHz	74	5334.000000 MHz
25	5449.000000 MHz	75	5536.000000 MHz
26	5719.000000 MHz	76	5276.000000 MHz
27	5499.000000 MHz	77	5610.000000 MHz
28	5621.000000 MHz	78	5314.000000 MHz
29	5445.000000 MHz	79	5366.000000 MHz
30	5287.000000 MHz	80	5649.000000 MHz
31	5353.000000 MHz	81	5638.000000 MHz
32	5553.000000 MHz	82	5251.000000 MHz
33	5268.000000 MHz	83	5463.000000 MHz
34	5586.000000 MHz	84	5579.000000 MHz
35	5588.000000 MHz	85	5614.000000 MHz
36	5273.000000 MHz	86	5257.000000 MHz
37	5580.000000 MHz	87	5258.000000 MHz
38	5634.000000 MHz	88	5346.000000 MHz
39	5383.000000 MHz	89	5359.000000 MHz
40	5441.000000 MHz	90	5291.000000 MHz
41	5562.000000 MHz	91	5513.000000 MHz
42	5455.000000 MHz	92	5717.000000 MHz
43	5596.000000 MHz	93	5290.000000 MHz
44	5432.000000 MHz	94	5372.000000 MHz
45	5595.000000 MHz	95	5629.000000 MHz
46	5560.000000 MHz	96	5300.000000 MHz
47	5396.000000 MHz	97	5424.000000 MHz
48	5645.000000 MHz	98	5477.000000 MHz
49	5428.000000 MHz	99	5354.000000 MHz
50	5639.000000 MHz	100	5295.000000 MHz

Table 10.2-4: List of frequencies of hopping radar type 6 for Trial 3

Hop number	Hop frequency	Hop number	Hop frequency
1	5340.000000 MHz	51	5321.000000 MHz
2	5724.000000 MHz	52	5256.000000 MHz
3	5620.000000 MHz	53	5597.000000 MHz
4	5446.000000 MHz	54	5347.000000 MHz
5	5455.000000 MHz	55	5397.000000 MHz
6	5550.000000 MHz	56	5521.000000 MHz
7	5574.000000 MHz	57	5640.000000 MHz
8	5591.000000 MHz	58	5351.000000 MHz
9	5438.000000 MHz	59	5683.000000 MHz
10	5252.000000 MHz	60	5295.000000 MHz
11	5623.000000 MHz	61	5517.000000 MHz
12	5583.000000 MHz	62	5699.000000 MHz
13	5602.000000 MHz	63	5377.000000 MHz
14	5556.000000 MHz	64	5664.000000 MHz
15	5369.000000 MHz	65	5281.000000 MHz
16	5368.000000 MHz	66	5515.000000 MHz
17	5405.000000 MHz	67	5337.000000 MHz
18	5353.000000 MHz	68	5639.000000 MHz
19	5482.000000 MHz	69	5360.000000 MHz
20	5711.000000 MHz	70	5642.000000 MHz
21	5622.000000 MHz	71	5491.000000 MHz
22	5544.000000 MHz	72	5520.000000 MHz
23	5333.000000 MHz	73	5465.000000 MHz
24	5518.000000 MHz	74	5265.000000 MHz
25	5488.000000 MHz	75	5659.000000 MHz
26	5410.000000 MHz	76	5383.000000 MHz
27	5283.000000 MHz	77	5507.000000 MHz
28	5599.000000 MHz	78	5668.000000 MHz
29	5463.000000 MHz	79	5427.000000 MHz
30	5499.000000 MHz	80	5690.000000 MHz
31	5696.000000 MHz	81	5485.000000 MHz
32	5358.000000 MHz	82	5398.000000 MHz
33	5495.000000 MHz	83	5421.000000 MHz
34	5569.000000 MHz	84	5370.000000 MHz
35	5641.000000 MHz	85	5343.000000 MHz
36	5259.000000 MHz	86	5349.000000 MHz
37	5451.000000 MHz	87	5680.000000 MHz
38	5638.000000 MHz	88	5420.000000 MHz
39	5560.000000 MHz	89	5523.000000 MHz
40	5687.000000 MHz	90	5279.000000 MHz
41	5498.000000 MHz	91	5588.000000 MHz
42	5407.000000 MHz	92	5257.000000 MHz
43	5528.000000 MHz	93	5318.000000 MHz
44	5288.000000 MHz	94	5425.000000 MHz
45	5584.000000 MHz	95	5719.000000 MHz
46	5513.000000 MHz	96	5587.000000 MHz
47	5277.000000 MHz	97	5388.000000 MHz
48	5501.000000 MHz	98	5555.000000 MHz
49	5655.000000 MHz	99	5327.000000 MHz
50	5306.000000 MHz	100	5609.000000 MHz

Table 10.2-5: List of frequencies of hopping radar type 6 for Trial 4

Hop number	Hop frequency	Hop number	Hop frequency
1	5657.000000 MHz	51	5382.000000 MHz
2	5505.000000 MHz	52	5318.000000 MHz
3	5595.000000 MHz	53	5527.000000 MHz
4	5417.000000 MHz	54	5570.000000 MHz
5	5708.000000 MHz	55	5269.000000 MHz
6	5637.000000 MHz	56	5461.000000 MHz
7	5259.000000 MHz	57	5702.000000 MHz
8	5280.000000 MHz	58	5669.000000 MHz
9	5695.000000 MHz	59	5471.000000 MHz
10	5487.000000 MHz	60	5353.000000 MHz
11	5316.000000 MHz	61	5557.000000 MHz
12	5279.000000 MHz	62	5552.000000 MHz
13	5664.000000 MHz	63	5434.000000 MHz
14	5586.000000 MHz	64	5497.000000 MHz
15	5518.000000 MHz	65	5339.000000 MHz
16	5267.000000 MHz	66	5631.000000 MHz
17	5542.000000 MHz	67	5676.000000 MHz
18	5535.000000 MHz	68	5615.000000 MHz
19	5252.000000 MHz	69	5564.000000 MHz
20	5349.000000 MHz	70	5400.000000 MHz
21	5435.000000 MHz	71	5347.000000 MHz
22	5401.000000 MHz	72	5653.000000 MHz
23	5288.000000 MHz	73	5519.000000 MHz
24	5590.000000 MHz	74	5611.000000 MHz
25	5523.000000 MHz	75	5563.000000 MHz
26	5389.000000 MHz	76	5373.000000 MHz
27	5645.000000 MHz	77	5421.000000 MHz
28	5374.000000 MHz	78	5376.000000 MHz
29	5268.000000 MHz	79	5300.000000 MHz
30	5596.000000 MHz	80	5550.000000 MHz
31	5476.000000 MHz	81	5287.000000 MHz
32	5408.000000 MHz	82	5257.000000 MHz
33	5514.000000 MHz	83	5576.000000 MHz
34	5489.000000 MHz	84	5572.000000 MHz
35	5472.000000 MHz	85	5422.000000 MHz
36	5656.000000 MHz	86	5577.000000 MHz
37	5697.000000 MHz	87	5265.000000 MHz
38	5603.000000 MHz	88	5430.000000 MHz
39	5410.000000 MHz	89	5569.000000 MHz
40	5492.000000 MHz	90	5640.000000 MHz
41	5309.000000 MHz	91	5512.000000 MHz
42	5351.000000 MHz	92	5355.000000 MHz
43	5665.000000 MHz	93	5320.000000 MHz
44	5289.000000 MHz	94	5358.000000 MHz
45	5486.000000 MHz	95	5460.000000 MHz
46	5657.000000 MHz	96	5418.000000 MHz
47	5505.000000 MHz	97	5335.000000 MHz
48	5595.000000 MHz	98	5284.000000 MHz
49	5417.000000 MHz	99	5390.000000 MHz
50	5708.000000 MHz	100	5684.000000 MHz

Table 10.2-6: List of frequencies of hopping radar type 6 for Trial 5

Hop number	Hop frequency	Hop number	Hop frequency
1	5459.000000 MHz	51	5662.000000 MHz
2	5251.000000 MHz	52	5327.000000 MHz
3	5397.000000 MHz	53	5594.000000 MHz
4	5490.000000 MHz	54	5445.000000 MHz
5	5488.000000 MHz	55	5518.000000 MHz
6	5309.000000 MHz	56	5302.000000 MHz
7	5503.000000 MHz	57	5469.000000 MHz
8	5288.000000 MHz	58	5289.000000 MHz
9	5549.000000 MHz	59	5617.000000 MHz
10	5414.000000 MHz	60	5621.000000 MHz
11	5555.000000 MHz	61	5272.000000 MHz
12	5330.000000 MHz	62	5484.000000 MHz
13	5416.000000 MHz	63	5408.000000 MHz
14	5604.000000 MHz	64	5709.000000 MHz
15	5507.000000 MHz	65	5423.000000 MHz
16	5300.000000 MHz	66	5405.000000 MHz
17	5268.000000 MHz	67	5660.000000 MHz
18	5593.000000 MHz	68	5404.000000 MHz
19	5560.000000 MHz	69	5285.000000 MHz
20	5564.000000 MHz	70	5284.000000 MHz
21	5720.000000 MHz	71	5413.000000 MHz
22	5382.000000 MHz	72	5393.000000 MHz
23	5676.000000 MHz	73	5443.000000 MHz
24	5697.000000 MHz	74	5378.000000 MHz
25	5435.000000 MHz	75	5462.000000 MHz
26	5463.000000 MHz	76	5437.000000 MHz
27	5395.000000 MHz	77	5286.000000 MHz
28	5652.000000 MHz	78	5265.000000 MHz
29	5392.000000 MHz	79	5584.000000 MHz
30	5321.000000 MHz	80	5383.000000 MHz
31	5646.000000 MHz	81	5569.000000 MHz
32	5432.000000 MHz	82	5694.000000 MHz
33	5430.000000 MHz	83	5691.000000 MHz
34	5351.000000 MHz	84	5481.000000 MHz
35	5365.000000 MHz	85	5645.000000 MHz
36	5589.000000 MHz	86	5306.000000 MHz
37	5557.000000 MHz	87	5539.000000 MHz
38	5526.000000 MHz	88	5528.000000 MHz
39	5579.000000 MHz	89	5631.000000 MHz
40	5421.000000 MHz	90	5706.000000 MHz
41	5527.000000 MHz	91	5270.000000 MHz
42	5253.000000 MHz	92	5520.000000 MHz
43	5505.000000 MHz	93	5714.000000 MHz
44	5678.000000 MHz	94	5679.000000 MHz
45	5698.000000 MHz	95	5271.000000 MHz
46	5377.000000 MHz	96	5639.000000 MHz
47	5426.000000 MHz	97	5628.000000 MHz
48	5380.000000 MHz	98	5320.000000 MHz
49	5318.000000 MHz	99	5466.000000 MHz
50	5419.000000 MHz	100	5273.000000 MHz

Table 10.2-7: List of frequencies of hopping radar type 6 for Trial 6

Hop number	Hop frequency	Hop number	Hop frequency
1	5499.000000 MHz	51	5276.000000 MHz
2	5565.000000 MHz	52	5342.000000 MHz
3	5282.000000 MHz	53	5524.000000 MHz
4	5253.000000 MHz	54	5713.000000 MHz
5	5602.000000 MHz	55	5308.000000 MHz
6	5287.000000 MHz	56	5460.000000 MHz
7	5299.000000 MHz	57	5595.000000 MHz
8	5350.000000 MHz	58	5633.000000 MHz
9	5564.000000 MHz	59	5365.000000 MHz
10	5264.000000 MHz	60	5510.000000 MHz
11	5456.000000 MHz	61	5369.000000 MHz
12	5648.000000 MHz	62	5678.000000 MHz
13	5265.000000 MHz	63	5312.000000 MHz
14	5332.000000 MHz	64	5663.000000 MHz
15	5505.000000 MHz	65	5667.000000 MHz
16	5702.000000 MHz	66	5464.000000 MHz
17	5598.000000 MHz	67	5516.000000 MHz
18	5589.000000 MHz	68	5498.000000 MHz
19	5536.000000 MHz	69	5260.000000 MHz
20	5396.000000 MHz	70	5642.000000 MHz
21	5401.000000 MHz	71	5362.000000 MHz
22	5473.000000 MHz	72	5685.000000 MHz
23	5472.000000 MHz	73	5554.000000 MHz
24	5482.000000 MHz	74	5614.000000 MHz
25	5544.000000 MHz	75	5417.000000 MHz
26	5669.000000 MHz	76	5462.000000 MHz
27	5563.000000 MHz	77	5670.000000 MHz
28	5480.000000 MHz	78	5520.000000 MHz
29	5655.000000 MHz	79	5572.000000 MHz
30	5623.000000 MHz	80	5474.000000 MHz
31	5671.000000 MHz	81	5548.000000 MHz
32	5621.000000 MHz	82	5593.000000 MHz
33	5546.000000 MHz	83	5501.000000 MHz
34	5664.000000 MHz	84	5446.000000 MHz
35	5273.000000 MHz	85	5300.000000 MHz
36	5651.000000 MHz	86	5297.000000 MHz
37	5594.000000 MHz	87	5583.000000 MHz
38	5657.000000 MHz	88	5687.000000 MHz
39	5645.000000 MHz	89	5439.000000 MHz
40	5681.000000 MHz	90	5310.000000 MHz
41	5699.000000 MHz	91	5295.000000 MHz
42	5347.000000 MHz	92	5697.000000 MHz
43	5429.000000 MHz	93	5703.000000 MHz
44	5556.000000 MHz	94	5518.000000 MHz
45	5603.000000 MHz	95	5515.000000 MHz
46	5650.000000 MHz	96	5580.000000 MHz
47	5290.000000 MHz	97	5366.000000 MHz
48	5458.000000 MHz	98	5484.000000 MHz
49	5320.000000 MHz	99	5568.000000 MHz
50	5597.000000 MHz	100	5514.000000 MHz

Table 10.2-8: List of frequencies of hopping radar type 6 for Trial 7

Hop number	Hop frequency	Hop number	Hop frequency
1	5320.000000 MHz	51	5654.000000 MHz
2	5667.000000 MHz	52	5467.000000 MHz
3	5705.000000 MHz	53	5591.000000 MHz
4	5499.000000 MHz	54	5613.000000 MHz
5	5290.000000 MHz	55	5638.000000 MHz
6	5268.000000 MHz	56	5576.000000 MHz
7	5673.000000 MHz	57	5432.000000 MHz
8	5297.000000 MHz	58	5357.000000 MHz
9	5688.000000 MHz	59	5298.000000 MHz
10	5345.000000 MHz	60	5350.000000 MHz
11	5715.000000 MHz	61	5599.000000 MHz
12	5718.000000 MHz	62	5438.000000 MHz
13	5454.000000 MHz	63	5679.000000 MHz
14	5488.000000 MHz	64	5714.000000 MHz
15	5319.000000 MHz	65	5495.000000 MHz
16	5415.000000 MHz	66	5260.000000 MHz
17	5267.000000 MHz	67	5394.000000 MHz
18	5430.000000 MHz	68	5619.000000 MHz
19	5468.000000 MHz	69	5421.000000 MHz
20	5639.000000 MHz	70	5439.000000 MHz
21	5453.000000 MHz	71	5254.000000 MHz
22	5304.000000 MHz	72	5382.000000 MHz
23	5316.000000 MHz	73	5702.000000 MHz
24	5648.000000 MHz	74	5604.000000 MHz
25	5582.000000 MHz	75	5340.000000 MHz
26	5636.000000 MHz	76	5422.000000 MHz
27	5624.000000 MHz	77	5426.000000 MHz
28	5671.000000 MHz	78	5571.000000 MHz
29	5339.000000 MHz	79	5501.000000 MHz
30	5631.000000 MHz	80	5696.000000 MHz
31	5286.000000 MHz	81	5270.000000 MHz
32	5253.000000 MHz	82	5324.000000 MHz
33	5684.000000 MHz	83	5611.000000 MHz
34	5477.000000 MHz	84	5607.000000 MHz
35	5650.000000 MHz	85	5552.000000 MHz
36	5521.000000 MHz	86	5646.000000 MHz
37	5259.000000 MHz	87	5586.000000 MHz
38	5278.000000 MHz	88	5539.000000 MHz
39	5635.000000 MHz	89	5601.000000 MHz
40	5475.000000 MHz	90	5351.000000 MHz
41	5690.000000 MHz	91	5722.000000 MHz
42	5305.000000 MHz	92	5303.000000 MHz
43	5294.000000 MHz	93	5455.000000 MHz
44	5492.000000 MHz	94	5489.000000 MHz
45	5464.000000 MHz	95	5550.000000 MHz
46	5448.000000 MHz	96	5649.000000 MHz
47	5349.000000 MHz	97	5334.000000 MHz
48	5563.000000 MHz	98	5524.000000 MHz
49	5660.000000 MHz	99	5627.000000 MHz
50	5265.000000 MHz	100	5697.000000 MHz

Table 10.2-9: List of frequencies of hopping radar type 6 for Trial 8

Hop number	Hop frequency	Hop number	Hop frequency
1	5342.000000 MHz	51	5687.000000 MHz
2	5659.000000 MHz	52	5718.000000 MHz
3	5597.000000 MHz	53	5397.000000 MHz
4	5503.000000 MHz	54	5723.000000 MHz
5	5348.000000 MHz	55	5689.000000 MHz
6	5467.000000 MHz	56	5474.000000 MHz
7	5658.000000 MHz	57	5387.000000 MHz
8	5639.000000 MHz	58	5339.000000 MHz
9	5278.000000 MHz	59	5260.000000 MHz
10	5374.000000 MHz	60	5463.000000 MHz
11	5358.000000 MHz	61	5489.000000 MHz
12	5261.000000 MHz	62	5377.000000 MHz
13	5700.000000 MHz	63	5596.000000 MHz
14	5593.000000 MHz	64	5578.000000 MHz
15	5517.000000 MHz	65	5383.000000 MHz
16	5392.000000 MHz	66	5530.000000 MHz
17	5568.000000 MHz	67	5403.000000 MHz
18	5351.000000 MHz	68	5533.000000 MHz
19	5562.000000 MHz	69	5573.000000 MHz
20	5634.000000 MHz	70	5527.000000 MHz
21	5549.000000 MHz	71	5466.000000 MHz
22	5343.000000 MHz	72	5409.000000 MHz
23	5694.000000 MHz	73	5616.000000 MHz
24	5372.000000 MHz	74	5427.000000 MHz
25	5366.000000 MHz	75	5647.000000 MHz
26	5258.000000 MHz	76	5560.000000 MHz
27	5456.000000 MHz	77	5412.000000 MHz
28	5444.000000 MHz	78	5617.000000 MHz
29	5400.000000 MHz	79	5459.000000 MHz
30	5382.000000 MHz	80	5524.000000 MHz
31	5722.000000 MHz	81	5711.000000 MHz
32	5486.000000 MHz	82	5699.000000 MHz
33	5704.000000 MHz	83	5461.000000 MHz
34	5460.000000 MHz	84	5272.000000 MHz
35	5712.000000 MHz	85	5622.000000 MHz
36	5714.000000 MHz	86	5414.000000 MHz
37	5285.000000 MHz	87	5273.000000 MHz
38	5284.000000 MHz	88	5679.000000 MHz
39	5418.000000 MHz	89	5625.000000 MHz
40	5389.000000 MHz	90	5323.000000 MHz
41	5693.000000 MHz	91	5675.000000 MHz
42	5328.000000 MHz	92	5411.000000 MHz
43	5670.000000 MHz	93	5663.000000 MHz
44	5443.000000 MHz	94	5487.000000 MHz
45	5516.000000 MHz	95	5477.000000 MHz
46	5620.000000 MHz	96	5354.000000 MHz
47	5282.000000 MHz	97	5682.000000 MHz
48	5507.000000 MHz	98	5664.000000 MHz
49	5490.000000 MHz	99	5502.000000 MHz
50	5512.000000 MHz	100	5713.000000 MHz

Table 10.2-10: List of frequencies of hopping radar type 6 for Trial 9

Hop number	Hop frequency	Hop number	Hop frequency
1	5599.000000 MHz	51	5453.000000 MHz
2	5323.000000 MHz	52	5548.000000 MHz
3	5297.000000 MHz	53	5383.000000 MHz
4	5464.000000 MHz	54	5668.000000 MHz
5	5596.000000 MHz	55	5703.000000 MHz
6	5425.000000 MHz	56	5317.000000 MHz
7	5301.000000 MHz	57	5352.000000 MHz
8	5253.000000 MHz	58	5366.000000 MHz
9	5642.000000 MHz	59	5333.000000 MHz
10	5321.000000 MHz	60	5372.000000 MHz
11	5296.000000 MHz	61	5682.000000 MHz
12	5603.000000 MHz	62	5562.000000 MHz
13	5647.000000 MHz	63	5616.000000 MHz
14	5507.000000 MHz	64	5310.000000 MHz
15	5638.000000 MHz	65	5558.000000 MHz
16	5635.000000 MHz	66	5445.000000 MHz
17	5409.000000 MHz	67	5477.000000 MHz
18	5503.000000 MHz	68	5591.000000 MHz
19	5511.000000 MHz	69	5655.000000 MHz
20	5509.000000 MHz	70	5608.000000 MHz
21	5665.000000 MHz	71	5481.000000 MHz
22	5353.000000 MHz	72	5705.000000 MHz
23	5486.000000 MHz	73	5632.000000 MHz
24	5529.000000 MHz	74	5351.000000 MHz
25	5659.000000 MHz	75	5370.000000 MHz
26	5513.000000 MHz	76	5469.000000 MHz
27	5660.000000 MHz	77	5483.000000 MHz
28	5520.000000 MHz	78	5689.000000 MHz
29	5364.000000 MHz	79	5322.000000 MHz
30	5458.000000 MHz	80	5613.000000 MHz
31	5711.000000 MHz	81	5265.000000 MHz
32	5586.000000 MHz	82	5467.000000 MHz
33	5674.000000 MHz	83	5288.000000 MHz
34	5442.000000 MHz	84	5541.000000 MHz
35	5408.000000 MHz	85	5499.000000 MHz
36	5542.000000 MHz	86	5430.000000 MHz
37	5573.000000 MHz	87	5475.000000 MHz
38	5628.000000 MHz	88	5471.000000 MHz
39	5278.000000 MHz	89	5669.000000 MHz
40	5320.000000 MHz	90	5294.000000 MHz
41	5282.000000 MHz	91	5528.000000 MHz
42	5252.000000 MHz	92	5418.000000 MHz
43	5365.000000 MHz	93	5504.000000 MHz
44	5309.000000 MHz	94	5386.000000 MHz
45	5565.000000 MHz	95	5720.000000 MHz
46	5695.000000 MHz	96	5544.000000 MHz
47	5441.000000 MHz	97	5701.000000 MHz
48	5505.000000 MHz	98	5357.000000 MHz
49	5631.000000 MHz	99	5697.000000 MHz
50	5715.000000 MHz	100	5567.000000 MHz

Table 10.2-11: List of frequencies of hopping radar type 6 for Trial 10

Hop number	Hop frequency	Hop number	Hop frequency
1	5475.000000 MHz	51	5588.000000 MHz
2	5567.000000 MHz	52	5477.000000 MHz
3	5582.000000 MHz	53	5510.000000 MHz
4	5573.000000 MHz	54	5264.000000 MHz
5	5594.000000 MHz	55	5615.000000 MHz
6	5401.000000 MHz	56	5254.000000 MHz
7	5260.000000 MHz	57	5716.000000 MHz
8	5429.000000 MHz	58	5709.000000 MHz
9	5357.000000 MHz	59	5552.000000 MHz
10	5473.000000 MHz	60	5676.000000 MHz
11	5344.000000 MHz	61	5449.000000 MHz
12	5359.000000 MHz	62	5464.000000 MHz
13	5272.000000 MHz	63	5556.000000 MHz
14	5267.000000 MHz	64	5711.000000 MHz
15	5671.000000 MHz	65	5405.000000 MHz
16	5297.000000 MHz	66	5444.000000 MHz
17	5366.000000 MHz	67	5485.000000 MHz
18	5433.000000 MHz	68	5384.000000 MHz
19	5346.000000 MHz	69	5717.000000 MHz
20	5536.000000 MHz	70	5472.000000 MHz
21	5703.000000 MHz	71	5277.000000 MHz
22	5722.000000 MHz	72	5547.000000 MHz
23	5306.000000 MHz	73	5555.000000 MHz
24	5301.000000 MHz	74	5689.000000 MHz
25	5553.000000 MHz	75	5349.000000 MHz
26	5326.000000 MHz	76	5374.000000 MHz
27	5319.000000 MHz	77	5581.000000 MHz
28	5352.000000 MHz	78	5563.000000 MHz
29	5482.000000 MHz	79	5396.000000 MHz
30	5360.000000 MHz	80	5557.000000 MHz
31	5535.000000 MHz	81	5355.000000 MHz
32	5445.000000 MHz	82	5511.000000 MHz
33	5315.000000 MHz	83	5724.000000 MHz
34	5657.000000 MHz	84	5438.000000 MHz
35	5572.000000 MHz	85	5523.000000 MHz
36	5627.000000 MHz	86	5554.000000 MHz
37	5602.000000 MHz	87	5654.000000 MHz
38	5658.000000 MHz	88	5418.000000 MHz
39	5548.000000 MHz	89	5285.000000 MHz
40	5528.000000 MHz	90	5307.000000 MHz
41	5546.000000 MHz	91	5685.000000 MHz
42	5309.000000 MHz	92	5274.000000 MHz
43	5481.000000 MHz	93	5532.000000 MHz
44	5369.000000 MHz	94	5283.000000 MHz
45	5299.000000 MHz	95	5275.000000 MHz
46	5497.000000 MHz	96	5605.000000 MHz
47	5521.000000 MHz	97	5529.000000 MHz
48	5517.000000 MHz	98	5393.000000 MHz
49	5261.000000 MHz	99	5390.000000 MHz
50	5410.000000 MHz	100	5631.000000 MHz

Table 10.2-12: List of frequencies of hopping radar type 6 for Trial 11

Hop number	Hop frequency	Hop number	Hop frequency
1	5536.000000 MHz	51	5575.000000 MHz
2	5424.000000 MHz	52	5374.000000 MHz
3	5276.000000 MHz	53	5638.000000 MHz
4	5609.000000 MHz	54	5286.000000 MHz
5	5423.000000 MHz	55	5652.000000 MHz
6	5695.000000 MHz	56	5272.000000 MHz
7	5363.000000 MHz	57	5535.000000 MHz
8	5592.000000 MHz	58	5581.000000 MHz
9	5616.000000 MHz	59	5546.000000 MHz
10	5358.000000 MHz	60	5558.000000 MHz
11	5569.000000 MHz	61	5471.000000 MHz
12	5450.000000 MHz	62	5664.000000 MHz
13	5602.000000 MHz	63	5533.000000 MHz
14	5692.000000 MHz	64	5251.000000 MHz
15	5646.000000 MHz	65	5329.000000 MHz
16	5655.000000 MHz	66	5509.000000 MHz
17	5659.000000 MHz	67	5315.000000 MHz
18	5481.000000 MHz	68	5547.000000 MHz
19	5542.000000 MHz	69	5377.000000 MHz
20	5265.000000 MHz	70	5345.000000 MHz
21	5717.000000 MHz	71	5419.000000 MHz
22	5500.000000 MHz	72	5583.000000 MHz
23	5497.000000 MHz	73	5685.000000 MHz
24	5254.000000 MHz	74	5548.000000 MHz
25	5324.000000 MHz	75	5613.000000 MHz
26	5567.000000 MHz	76	5637.000000 MHz
27	5398.000000 MHz	77	5657.000000 MHz
28	5529.000000 MHz	78	5256.000000 MHz
29	5371.000000 MHz	79	5501.000000 MHz
30	5677.000000 MHz	80	5721.000000 MHz
31	5550.000000 MHz	81	5429.000000 MHz
32	5568.000000 MHz	82	5589.000000 MHz
33	5343.000000 MHz	83	5421.000000 MHz
34	5626.000000 MHz	84	5505.000000 MHz
35	5348.000000 MHz	85	5279.000000 MHz
36	5528.000000 MHz	86	5455.000000 MHz
37	5564.000000 MHz	87	5387.000000 MHz
38	5312.000000 MHz	88	5466.000000 MHz
39	5684.000000 MHz	89	5390.000000 MHz
40	5304.000000 MHz	90	5364.000000 MHz
41	5417.000000 MHz	91	5470.000000 MHz
42	5405.000000 MHz	92	5395.000000 MHz
43	5673.000000 MHz	93	5400.000000 MHz
44	5365.000000 MHz	94	5539.000000 MHz
45	5549.000000 MHz	95	5574.000000 MHz
46	5465.000000 MHz	96	5604.000000 MHz
47	5362.000000 MHz	97	5413.000000 MHz
48	5344.000000 MHz	98	5338.000000 MHz
49	5670.000000 MHz	99	5667.000000 MHz
50	5298.000000 MHz	100	5353.000000 MHz

Table 10.2-13: List of frequencies of hopping radar type 6 for Trial 12

Hop number	Hop frequency	Hop number	Hop frequency
1	5384.000000 MHz	51	5314.000000 MHz
2	5284.000000 MHz	52	5610.000000 MHz
3	5669.000000 MHz	53	5254.000000 MHz
4	5613.000000 MHz	54	5427.000000 MHz
5	5390.000000 MHz	55	5356.000000 MHz
6	5445.000000 MHz	56	5512.000000 MHz
7	5657.000000 MHz	57	5386.000000 MHz
8	5281.000000 MHz	58	5500.000000 MHz
9	5259.000000 MHz	59	5712.000000 MHz
10	5332.000000 MHz	60	5528.000000 MHz
11	5329.000000 MHz	61	5474.000000 MHz
12	5450.000000 MHz	62	5322.000000 MHz
13	5376.000000 MHz	63	5426.000000 MHz
14	5596.000000 MHz	64	5671.000000 MHz
15	5316.000000 MHz	65	5378.000000 MHz
16	5688.000000 MHz	66	5318.000000 MHz
17	5464.000000 MHz	67	5299.000000 MHz
18	5604.000000 MHz	68	5394.000000 MHz
19	5602.000000 MHz	69	5618.000000 MHz
20	5408.000000 MHz	70	5424.000000 MHz
21	5499.000000 MHz	71	5558.000000 MHz
22	5280.000000 MHz	72	5439.000000 MHz
23	5491.000000 MHz	73	5687.000000 MHz
24	5507.000000 MHz	74	5623.000000 MHz
25	5603.000000 MHz	75	5706.000000 MHz
26	5308.000000 MHz	76	5452.000000 MHz
27	5407.000000 MHz	77	5608.000000 MHz
28	5622.000000 MHz	78	5606.000000 MHz
29	5724.000000 MHz	79	5582.000000 MHz
30	5557.000000 MHz	80	5372.000000 MHz
31	5341.000000 MHz	81	5486.000000 MHz
32	5647.000000 MHz	82	5714.000000 MHz
33	5317.000000 MHz	83	5333.000000 MHz
34	5371.000000 MHz	84	5392.000000 MHz
35	5719.000000 MHz	85	5542.000000 MHz
36	5511.000000 MHz	86	5339.000000 MHz
37	5498.000000 MHz	87	5283.000000 MHz
38	5330.000000 MHz	88	5699.000000 MHz
39	5475.000000 MHz	89	5344.000000 MHz
40	5534.000000 MHz	90	5611.000000 MHz
41	5358.000000 MHz	91	5328.000000 MHz
42	5354.000000 MHz	92	5395.000000 MHz
43	5387.000000 MHz	93	5436.000000 MHz
44	5674.000000 MHz	94	5575.000000 MHz
45	5413.000000 MHz	95	5540.000000 MHz
46	5346.000000 MHz	96	5331.000000 MHz
47	5508.000000 MHz	97	5720.000000 MHz
48	5641.000000 MHz	98	5619.000000 MHz
49	5522.000000 MHz	99	5465.000000 MHz
50	5459.000000 MHz	100	5361.000000 MHz

Table 10.2-14: List of frequencies of hopping radar type 6 for Trial 13

Hop number	Hop frequency	Hop number	Hop frequency
1	5253.000000 MHz	51	5685.000000 MHz
2	5523.000000 MHz	52	5544.000000 MHz
3	5322.000000 MHz	53	5416.000000 MHz
4	5423.000000 MHz	54	5354.000000 MHz
5	5601.000000 MHz	55	5632.000000 MHz
6	5402.000000 MHz	56	5361.000000 MHz
7	5532.000000 MHz	57	5333.000000 MHz
8	5617.000000 MHz	58	5413.000000 MHz
9	5356.000000 MHz	59	5635.000000 MHz
10	5670.000000 MHz	60	5656.000000 MHz
11	5660.000000 MHz	61	5549.000000 MHz
12	5712.000000 MHz	62	5556.000000 MHz
13	5332.000000 MHz	63	5432.000000 MHz
14	5343.000000 MHz	64	5691.000000 MHz
15	5528.000000 MHz	65	5453.000000 MHz
16	5566.000000 MHz	66	5262.000000 MHz
17	5288.000000 MHz	67	5659.000000 MHz
18	5285.000000 MHz	68	5346.000000 MHz
19	5325.000000 MHz	69	5372.000000 MHz
20	5299.000000 MHz	70	5602.000000 MHz
21	5256.000000 MHz	71	5503.000000 MHz
22	5345.000000 MHz	72	5487.000000 MHz
23	5412.000000 MHz	73	5687.000000 MHz
24	5334.000000 MHz	74	5456.000000 MHz
25	5340.000000 MHz	75	5370.000000 MHz
26	5437.000000 MHz	76	5553.000000 MHz
27	5492.000000 MHz	77	5344.000000 MHz
28	5318.000000 MHz	78	5482.000000 MHz
29	5525.000000 MHz	79	5627.000000 MHz
30	5587.000000 MHz	80	5658.000000 MHz
31	5477.000000 MHz	81	5579.000000 MHz
32	5271.000000 MHz	82	5498.000000 MHz
33	5603.000000 MHz	83	5422.000000 MHz
34	5330.000000 MHz	84	5483.000000 MHz
35	5594.000000 MHz	85	5481.000000 MHz
36	5469.000000 MHz	86	5557.000000 MHz
37	5640.000000 MHz	87	5718.000000 MHz
38	5407.000000 MHz	88	5636.000000 MHz
39	5546.000000 MHz	89	5605.000000 MHz
40	5536.000000 MHz	90	5391.000000 MHz
41	5719.000000 MHz	91	5366.000000 MHz
42	5697.000000 MHz	92	5711.000000 MHz
43	5449.000000 MHz	93	5642.000000 MHz
44	5419.000000 MHz	94	5625.000000 MHz
45	5609.000000 MHz	95	5358.000000 MHz
46	5353.000000 MHz	96	5362.000000 MHz
47	5371.000000 MHz	97	5645.000000 MHz
48	5297.000000 MHz	98	5290.000000 MHz
49	5698.000000 MHz	99	5653.000000 MHz
50	5292.000000 MHz	100	5342.000000 MHz

Table 10.2-15: List of frequencies of hopping radar type 6 for Trial 14

Hop number	Hop frequency	Hop number	Hop frequency
1	5509.000000 MHz	51	5447.000000 MHz
2	5398.000000 MHz	52	5423.000000 MHz
3	5322.000000 MHz	53	5296.000000 MHz
4	5601.000000 MHz	54	5528.000000 MHz
5	5329.000000 MHz	55	5553.000000 MHz
6	5514.000000 MHz	56	5392.000000 MHz
7	5352.000000 MHz	57	5313.000000 MHz
8	5454.000000 MHz	58	5621.000000 MHz
9	5323.000000 MHz	59	5501.000000 MHz
10	5431.000000 MHz	60	5636.000000 MHz
11	5499.000000 MHz	61	5712.000000 MHz
12	5361.000000 MHz	62	5486.000000 MHz
13	5680.000000 MHz	63	5611.000000 MHz
14	5565.000000 MHz	64	5606.000000 MHz
15	5426.000000 MHz	65	5435.000000 MHz
16	5589.000000 MHz	66	5523.000000 MHz
17	5540.000000 MHz	67	5653.000000 MHz
18	5609.000000 MHz	68	5341.000000 MHz
19	5592.000000 MHz	69	5430.000000 MHz
20	5607.000000 MHz	70	5584.000000 MHz
21	5567.000000 MHz	71	5696.000000 MHz
22	5706.000000 MHz	72	5470.000000 MHz
23	5570.000000 MHz	73	5355.000000 MHz
24	5654.000000 MHz	74	5603.000000 MHz
25	5538.000000 MHz	75	5635.000000 MHz
26	5433.000000 MHz	76	5442.000000 MHz
27	5262.000000 MHz	77	5257.000000 MHz
28	5441.000000 MHz	78	5488.000000 MHz
29	5467.000000 MHz	79	5504.000000 MHz
30	5562.000000 MHz	80	5455.000000 MHz
31	5544.000000 MHz	81	5457.000000 MHz
32	5617.000000 MHz	82	5346.000000 MHz
33	5650.000000 MHz	83	5444.000000 MHz
34	5406.000000 MHz	84	5604.000000 MHz
35	5637.000000 MHz	85	5631.000000 MHz
36	5334.000000 MHz	86	5358.000000 MHz
37	5409.000000 MHz	87	5506.000000 MHz
38	5638.000000 MHz	88	5266.000000 MHz
39	5371.000000 MHz	89	5616.000000 MHz
40	5502.000000 MHz	90	5267.000000 MHz
41	5689.000000 MHz	91	5595.000000 MHz
42	5317.000000 MHz	92	5590.000000 MHz
43	5659.000000 MHz	93	5702.000000 MHz
44	5462.000000 MHz	94	5556.000000 MHz
45	5531.000000 MHz	95	5298.000000 MHz
46	5670.000000 MHz	96	5580.000000 MHz
47	5517.000000 MHz	97	5345.000000 MHz
48	5661.000000 MHz	98	5396.000000 MHz
49	5261.000000 MHz	99	5495.000000 MHz
50	5354.000000 MHz	100	5476.000000 MHz

Table 10.2-16: List of frequencies of hopping radar type 6 for Trial 15

Hop number	Hop frequency	Hop number	Hop frequency
1	5677.000000 MHz	51	5522.000000 MHz
2	5665.000000 MHz	52	5327.000000 MHz
3	5621.000000 MHz	53	5425.000000 MHz
4	5615.000000 MHz	54	5721.000000 MHz
5	5642.000000 MHz	55	5533.000000 MHz
6	5675.000000 MHz	56	5304.000000 MHz
7	5306.000000 MHz	57	5339.000000 MHz
8	5382.000000 MHz	58	5394.000000 MHz
9	5281.000000 MHz	59	5289.000000 MHz
10	5506.000000 MHz	60	5401.000000 MHz
11	5279.000000 MHz	61	5448.000000 MHz
12	5514.000000 MHz	62	5606.000000 MHz
13	5411.000000 MHz	63	5317.000000 MHz
14	5556.000000 MHz	64	5644.000000 MHz
15	5617.000000 MHz	65	5608.000000 MHz
16	5544.000000 MHz	66	5325.000000 MHz
17	5560.000000 MHz	67	5696.000000 MHz
18	5413.000000 MHz	68	5347.000000 MHz
19	5692.000000 MHz	69	5381.000000 MHz
20	5678.000000 MHz	70	5319.000000 MHz
21	5600.000000 MHz	71	5286.000000 MHz
22	5490.000000 MHz	72	5282.000000 MHz
23	5625.000000 MHz	73	5429.000000 MHz
24	5331.000000 MHz	74	5529.000000 MHz
25	5587.000000 MHz	75	5329.000000 MHz
26	5586.000000 MHz	76	5417.000000 MHz
27	5637.000000 MHz	77	5373.000000 MHz
28	5342.000000 MHz	78	5564.000000 MHz
29	5605.000000 MHz	79	5649.000000 MHz
30	5659.000000 MHz	80	5481.000000 MHz
31	5624.000000 MHz	81	5408.000000 MHz
32	5686.000000 MHz	82	5322.000000 MHz
33	5595.000000 MHz	83	5414.000000 MHz
34	5491.000000 MHz	84	5487.000000 MHz
35	5663.000000 MHz	85	5263.000000 MHz
36	5259.000000 MHz	86	5660.000000 MHz
37	5468.000000 MHz	87	5701.000000 MHz
38	5588.000000 MHz	88	5416.000000 MHz
39	5315.000000 MHz	89	5570.000000 MHz
40	5609.000000 MHz	90	5412.000000 MHz
41	5563.000000 MHz	91	5460.000000 MHz
42	5457.000000 MHz	92	5498.000000 MHz
43	5446.000000 MHz	93	5620.000000 MHz
44	5527.000000 MHz	94	5694.000000 MHz
45	5508.000000 MHz	95	5288.000000 MHz
46	5418.000000 MHz	96	5294.000000 MHz
47	5513.000000 MHz	97	5396.000000 MHz
48	5503.000000 MHz	98	5453.000000 MHz
49	5295.000000 MHz	99	5290.000000 MHz
50	5392.000000 MHz	100	5393.000000 MHz

Table 10.2-17: List of frequencies of hopping radar type 6 for Trial 16

Hop number	Hop frequency	Hop number	Hop frequency
1	5541.000000 MHz	51	5648.000000 MHz
2	5254.000000 MHz	52	5430.000000 MHz
3	5700.000000 MHz	53	5704.000000 MHz
4	5646.000000 MHz	54	5415.000000 MHz
5	5271.000000 MHz	55	5371.000000 MHz
6	5450.000000 MHz	56	5676.000000 MHz
7	5565.000000 MHz	57	5660.000000 MHz
8	5523.000000 MHz	58	5484.000000 MHz
9	5375.000000 MHz	59	5252.000000 MHz
10	5633.000000 MHz	60	5518.000000 MHz
11	5572.000000 MHz	61	5506.000000 MHz
12	5480.000000 MHz	62	5699.000000 MHz
13	5380.000000 MHz	63	5637.000000 MHz
14	5594.000000 MHz	64	5663.000000 MHz
15	5390.000000 MHz	65	5620.000000 MHz
16	5412.000000 MHz	66	5703.000000 MHz
17	5370.000000 MHz	67	5355.000000 MHz
18	5690.000000 MHz	68	5286.000000 MHz
19	5473.000000 MHz	69	5397.000000 MHz
20	5599.000000 MHz	70	5459.000000 MHz
21	5272.000000 MHz	71	5579.000000 MHz
22	5589.000000 MHz	72	5315.000000 MHz
23	5318.000000 MHz	73	5545.000000 MHz
24	5465.000000 MHz	74	5354.000000 MHz
25	5644.000000 MHz	75	5278.000000 MHz
26	5477.000000 MHz	76	5536.000000 MHz
27	5668.000000 MHz	77	5400.000000 MHz
28	5591.000000 MHz	78	5491.000000 MHz
29	5611.000000 MHz	79	5449.000000 MHz
30	5436.000000 MHz	80	5625.000000 MHz
31	5262.000000 MHz	81	5712.000000 MHz
32	5593.000000 MHz	82	5643.000000 MHz
33	5374.000000 MHz	83	5260.000000 MHz
34	5343.000000 MHz	84	5512.000000 MHz
35	5446.000000 MHz	85	5557.000000 MHz
36	5655.000000 MHz	86	5613.000000 MHz
37	5558.000000 MHz	87	5683.000000 MHz
38	5305.000000 MHz	88	5697.000000 MHz
39	5395.000000 MHz	89	5495.000000 MHz
40	5369.000000 MHz	90	5720.000000 MHz
41	5571.000000 MHz	91	5323.000000 MHz
42	5461.000000 MHz	92	5303.000000 MHz
43	5439.000000 MHz	93	5601.000000 MHz
44	5551.000000 MHz	94	5588.000000 MHz
45	5266.000000 MHz	95	5596.000000 MHz
46	5268.000000 MHz	96	5548.000000 MHz
47	5490.000000 MHz	97	5500.000000 MHz
48	5275.000000 MHz	98	5656.000000 MHz
49	5554.000000 MHz	99	5287.000000 MHz
50	5600.000000 MHz	100	5453.000000 MHz

Table 10.2-18: List of frequencies of hopping radar type 6 for Trial 17

Hop number	Hop frequency	Hop number	Hop frequency
1	5603.000000 MHz	51	5673.000000 MHz
2	5344.000000 MHz	52	5389.000000 MHz
3	5271.000000 MHz	53	5700.000000 MHz
4	5583.000000 MHz	54	5605.000000 MHz
5	5609.000000 MHz	55	5572.000000 MHz
6	5600.000000 MHz	56	5665.000000 MHz
7	5387.000000 MHz	57	5360.000000 MHz
8	5560.000000 MHz	58	5706.000000 MHz
9	5526.000000 MHz	59	5598.000000 MHz
10	5418.000000 MHz	60	5363.000000 MHz
11	5285.000000 MHz	61	5272.000000 MHz
12	5351.000000 MHz	62	5548.000000 MHz
13	5531.000000 MHz	63	5720.000000 MHz
14	5588.000000 MHz	64	5636.000000 MHz
15	5662.000000 MHz	65	5471.000000 MHz
16	5626.000000 MHz	66	5365.000000 MHz
17	5400.000000 MHz	67	5326.000000 MHz
18	5313.000000 MHz	68	5575.000000 MHz
19	5339.000000 MHz	69	5652.000000 MHz
20	5397.000000 MHz	70	5658.000000 MHz
21	5314.000000 MHz	71	5637.000000 MHz
22	5627.000000 MHz	72	5467.000000 MHz
23	5464.000000 MHz	73	5309.000000 MHz
24	5505.000000 MHz	74	5315.000000 MHz
25	5261.000000 MHz	75	5524.000000 MHz
26	5668.000000 MHz	76	5692.000000 MHz
27	5490.000000 MHz	77	5463.000000 MHz
28	5406.000000 MHz	78	5369.000000 MHz
29	5712.000000 MHz	79	5311.000000 MHz
30	5624.000000 MHz	80	5474.000000 MHz
31	5411.000000 MHz	81	5331.000000 MHz
32	5508.000000 MHz	82	5257.000000 MHz
33	5289.000000 MHz	83	5628.000000 MHz
34	5667.000000 MHz	84	5565.000000 MHz
35	5714.000000 MHz	85	5539.000000 MHz
36	5654.000000 MHz	86	5317.000000 MHz
37	5672.000000 MHz	87	5414.000000 MHz
38	5263.000000 MHz	88	5563.000000 MHz
39	5546.000000 MHz	89	5298.000000 MHz
40	5386.000000 MHz	90	5426.000000 MHz
41	5693.000000 MHz	91	5663.000000 MHz
42	5551.000000 MHz	92	5260.000000 MHz
43	5288.000000 MHz	93	5477.000000 MHz
44	5677.000000 MHz	94	5596.000000 MHz
45	5320.000000 MHz	95	5640.000000 MHz
46	5724.000000 MHz	96	5461.000000 MHz
47	5659.000000 MHz	97	5291.000000 MHz
48	5647.000000 MHz	98	5512.000000 MHz
49	5350.000000 MHz	99	5594.000000 MHz
50	5593.000000 MHz	100	5484.000000 MHz

Table 10.2-19: List of frequencies of hopping radar type 6 for Trial 18

Hop number	Hop frequency	Hop number	Hop frequency
1	5507.000000 MHz	51	5530.000000 MHz
2	5351.000000 MHz	52	5676.000000 MHz
3	5616.000000 MHz	53	5431.000000 MHz
4	5384.000000 MHz	54	5401.000000 MHz
5	5617.000000 MHz	55	5517.000000 MHz
6	5627.000000 MHz	56	5310.000000 MHz
7	5483.000000 MHz	57	5719.000000 MHz
8	5658.000000 MHz	58	5461.000000 MHz
9	5411.000000 MHz	59	5564.000000 MHz
10	5389.000000 MHz	60	5684.000000 MHz
11	5358.000000 MHz	61	5570.000000 MHz
12	5423.000000 MHz	62	5418.000000 MHz
13	5260.000000 MHz	63	5654.000000 MHz
14	5363.000000 MHz	64	5331.000000 MHz
15	5591.000000 MHz	65	5625.000000 MHz
16	5669.000000 MHz	66	5592.000000 MHz
17	5303.000000 MHz	67	5525.000000 MHz
18	5471.000000 MHz	68	5404.000000 MHz
19	5549.000000 MHz	69	5371.000000 MHz
20	5314.000000 MHz	70	5527.000000 MHz
21	5532.000000 MHz	71	5456.000000 MHz
22	5304.000000 MHz	72	5651.000000 MHz
23	5645.000000 MHz	73	5534.000000 MHz
24	5464.000000 MHz	74	5572.000000 MHz
25	5556.000000 MHz	75	5321.000000 MHz
26	5633.000000 MHz	76	5503.000000 MHz
27	5272.000000 MHz	77	5421.000000 MHz
28	5344.000000 MHz	78	5478.000000 MHz
29	5452.000000 MHz	79	5379.000000 MHz
30	5544.000000 MHz	80	5554.000000 MHz
31	5664.000000 MHz	81	5510.000000 MHz
32	5283.000000 MHz	82	5650.000000 MHz
33	5330.000000 MHz	83	5486.000000 MHz
34	5281.000000 MHz	84	5610.000000 MHz
35	5691.000000 MHz	85	5400.000000 MHz
36	5326.000000 MHz	86	5416.000000 MHz
37	5279.000000 MHz	87	5614.000000 MHz
38	5671.000000 MHz	88	5619.000000 MHz
39	5395.000000 MHz	89	5700.000000 MHz
40	5667.000000 MHz	90	5266.000000 MHz
41	5255.000000 MHz	91	5405.000000 MHz
42	5573.000000 MHz	92	5670.000000 MHz
43	5369.000000 MHz	93	5490.000000 MHz
44	5629.000000 MHz	94	5337.000000 MHz
45	5348.000000 MHz	95	5408.000000 MHz
46	5425.000000 MHz	96	5399.000000 MHz
47	5273.000000 MHz	97	5720.000000 MHz
48	5693.000000 MHz	98	5724.000000 MHz
49	5291.000000 MHz	99	5307.000000 MHz
50	5492.000000 MHz	100	5349.000000 MHz

Table 10.2-20: List of frequencies of hopping radar type 6 for Trial 19

Hop number	Hop frequency	Hop number	Hop frequency
1	5383.000000 MHz	51	5638.000000 MHz
2	5434.000000 MHz	52	5688.000000 MHz
3	5613.000000 MHz	53	5431.000000 MHz
4	5492.000000 MHz	54	5641.000000 MHz
5	5450.000000 MHz	55	5566.000000 MHz
6	5317.000000 MHz	56	5637.000000 MHz
7	5722.000000 MHz	57	5304.000000 MHz
8	5636.000000 MHz	58	5545.000000 MHz
9	5525.000000 MHz	59	5668.000000 MHz
10	5502.000000 MHz	60	5579.000000 MHz
11	5365.000000 MHz	61	5324.000000 MHz
12	5667.000000 MHz	62	5374.000000 MHz
13	5512.000000 MHz	63	5412.000000 MHz
14	5639.000000 MHz	64	5289.000000 MHz
15	5254.000000 MHz	65	5322.000000 MHz
16	5360.000000 MHz	66	5436.000000 MHz
17	5567.000000 MHz	67	5710.000000 MHz
18	5537.000000 MHz	68	5439.000000 MHz
19	5393.000000 MHz	69	5263.000000 MHz
20	5385.000000 MHz	70	5501.000000 MHz
21	5676.000000 MHz	71	5279.000000 MHz
22	5518.000000 MHz	72	5611.000000 MHz
23	5296.000000 MHz	73	5427.000000 MHz
24	5640.000000 MHz	74	5380.000000 MHz
25	5538.000000 MHz	75	5411.000000 MHz
26	5262.000000 MHz	76	5250.000000 MHz
27	5333.000000 MHz	77	5551.000000 MHz
28	5319.000000 MHz	78	5666.000000 MHz
29	5705.000000 MHz	79	5404.000000 MHz
30	5558.000000 MHz	80	5679.000000 MHz
31	5510.000000 MHz	81	5423.000000 MHz
32	5592.000000 MHz	82	5295.000000 MHz
33	5387.000000 MHz	83	5298.000000 MHz
34	5477.000000 MHz	84	5321.000000 MHz
35	5690.000000 MHz	85	5497.000000 MHz
36	5648.000000 MHz	86	5290.000000 MHz
37	5413.000000 MHz	87	5530.000000 MHz
38	5552.000000 MHz	88	5604.000000 MHz
39	5678.000000 MHz	89	5546.000000 MHz
40	5371.000000 MHz	90	5555.000000 MHz
41	5424.000000 MHz	91	5388.000000 MHz
42	5489.000000 MHz	92	5283.000000 MHz
43	5410.000000 MHz	93	5294.000000 MHz
44	5462.000000 MHz	94	5421.000000 MHz
45	5408.000000 MHz	95	5724.000000 MHz
46	5576.000000 MHz	96	5452.000000 MHz
47	5493.000000 MHz	97	5449.000000 MHz
48	5288.000000 MHz	98	5675.000000 MHz
49	5403.000000 MHz	99	5654.000000 MHz
50	5437.000000 MHz	100	5612.000000 MHz

Table 10.2-21: List of frequencies of hopping radar type 6 for Trial 20

Hop number	Hop frequency	Hop number	Hop frequency
1	5680.000000 MHz	51	5625.000000 MHz
2	5399.000000 MHz	52	5359.000000 MHz
3	5507.000000 MHz	53	5410.000000 MHz
4	5618.000000 MHz	54	5620.000000 MHz
5	5637.000000 MHz	55	5610.000000 MHz
6	5265.000000 MHz	56	5358.000000 MHz
7	5603.000000 MHz	57	5636.000000 MHz
8	5513.000000 MHz	58	5615.000000 MHz
9	5506.000000 MHz	59	5452.000000 MHz
10	5370.000000 MHz	60	5250.000000 MHz
11	5675.000000 MHz	61	5554.000000 MHz
12	5366.000000 MHz	62	5276.000000 MHz
13	5715.000000 MHz	63	5441.000000 MHz
14	5321.000000 MHz	64	5633.000000 MHz
15	5364.000000 MHz	65	5584.000000 MHz
16	5627.000000 MHz	66	5270.000000 MHz
17	5462.000000 MHz	67	5667.000000 MHz
18	5398.000000 MHz	68	5425.000000 MHz
19	5458.000000 MHz	69	5255.000000 MHz
20	5622.000000 MHz	70	5271.000000 MHz
21	5457.000000 MHz	71	5264.000000 MHz
22	5305.000000 MHz	72	5676.000000 MHz
23	5289.000000 MHz	73	5628.000000 MHz
24	5346.000000 MHz	74	5279.000000 MHz
25	5722.000000 MHz	75	5602.000000 MHz
26	5681.000000 MHz	76	5308.000000 MHz
27	5379.000000 MHz	77	5606.000000 MHz
28	5339.000000 MHz	78	5429.000000 MHz
29	5405.000000 MHz	79	5256.000000 MHz
30	5595.000000 MHz	80	5333.000000 MHz
31	5479.000000 MHz	81	5394.000000 MHz
32	5473.000000 MHz	82	5538.000000 MHz
33	5411.000000 MHz	83	5558.000000 MHz
34	5295.000000 MHz	84	5707.000000 MHz
35	5647.000000 MHz	85	5421.000000 MHz
36	5719.000000 MHz	86	5629.000000 MHz
37	5378.000000 MHz	87	5649.000000 MHz
38	5515.000000 MHz	88	5388.000000 MHz
39	5251.000000 MHz	89	5377.000000 MHz
40	5282.000000 MHz	90	5604.000000 MHz
41	5299.000000 MHz	91	5474.000000 MHz
42	5267.000000 MHz	92	5324.000000 MHz
43	5332.000000 MHz	93	5437.000000 MHz
44	5296.000000 MHz	94	5380.000000 MHz
45	5303.000000 MHz	95	5524.000000 MHz
46	5350.000000 MHz	96	5386.000000 MHz
47	5714.000000 MHz	97	5704.000000 MHz
48	5300.000000 MHz	98	5619.000000 MHz
49	5467.000000 MHz	99	5337.000000 MHz
50	5404.000000 MHz	100	5395.000000 MHz

Table 10.2-22: List of frequencies of hopping radar type 6 for Trial 21

Hop number	Hop frequency	Hop number	Hop frequency
1	5669.000000 MHz	51	5453.000000 MHz
2	5303.000000 MHz	52	5443.000000 MHz
3	5581.000000 MHz	53	5260.000000 MHz
4	5636.000000 MHz	54	5289.000000 MHz
5	5299.000000 MHz	55	5624.000000 MHz
6	5279.000000 MHz	56	5626.000000 MHz
7	5436.000000 MHz	57	5304.000000 MHz
8	5445.000000 MHz	58	5429.000000 MHz
9	5642.000000 MHz	59	5529.000000 MHz
10	5547.000000 MHz	60	5286.000000 MHz
11	5606.000000 MHz	61	5713.000000 MHz
12	5628.000000 MHz	62	5695.000000 MHz
13	5324.000000 MHz	63	5520.000000 MHz
14	5601.000000 MHz	64	5357.000000 MHz
15	5573.000000 MHz	65	5427.000000 MHz
16	5288.000000 MHz	66	5563.000000 MHz
17	5408.000000 MHz	67	5455.000000 MHz
18	5501.000000 MHz	68	5715.000000 MHz
19	5592.000000 MHz	69	5484.000000 MHz
20	5619.000000 MHz	70	5678.000000 MHz
21	5384.000000 MHz	71	5700.000000 MHz
22	5630.000000 MHz	72	5477.000000 MHz
23	5403.000000 MHz	73	5487.000000 MHz
24	5679.000000 MHz	74	5464.000000 MHz
25	5595.000000 MHz	75	5482.000000 MHz
26	5475.000000 MHz	76	5696.000000 MHz
27	5399.000000 MHz	77	5694.000000 MHz
28	5457.000000 MHz	78	5692.000000 MHz
29	5671.000000 MHz	79	5549.000000 MHz
30	5277.000000 MHz	80	5472.000000 MHz
31	5499.000000 MHz	81	5257.000000 MHz
32	5450.000000 MHz	82	5402.000000 MHz
33	5413.000000 MHz	83	5722.000000 MHz
34	5287.000000 MHz	84	5469.000000 MHz
35	5368.000000 MHz	85	5395.000000 MHz
36	5297.000000 MHz	86	5496.000000 MHz
37	5551.000000 MHz	87	5419.000000 MHz
38	5599.000000 MHz	88	5553.000000 MHz
39	5358.000000 MHz	89	5629.000000 MHz
40	5666.000000 MHz	90	5420.000000 MHz
41	5409.000000 MHz	91	5380.000000 MHz
42	5378.000000 MHz	92	5335.000000 MHz
43	5651.000000 MHz	93	5664.000000 MHz
44	5442.000000 MHz	94	5451.000000 MHz
45	5367.000000 MHz	95	5665.000000 MHz
46	5363.000000 MHz	96	5494.000000 MHz
47	5504.000000 MHz	97	5371.000000 MHz
48	5430.000000 MHz	98	5517.000000 MHz
49	5485.000000 MHz	99	5490.000000 MHz
50	5703.000000 MHz	100	5285.000000 MHz

Table 10.2-23: List of frequencies of hopping radar type 6 for Trial 22

Hop number	Hop frequency	Hop number	Hop frequency
1	5513.000000 MHz	51	5587.000000 MHz
2	5396.000000 MHz	52	5442.000000 MHz
3	5389.000000 MHz	53	5479.000000 MHz
4	5565.000000 MHz	54	5419.000000 MHz
5	5672.000000 MHz	55	5299.000000 MHz
6	5557.000000 MHz	56	5713.000000 MHz
7	5317.000000 MHz	57	5290.000000 MHz
8	5267.000000 MHz	58	5641.000000 MHz
9	5252.000000 MHz	59	5526.000000 MHz
10	5696.000000 MHz	60	5323.000000 MHz
11	5609.000000 MHz	61	5540.000000 MHz
12	5420.000000 MHz	62	5406.000000 MHz
13	5483.000000 MHz	63	5698.000000 MHz
14	5711.000000 MHz	64	5653.000000 MHz
15	5570.000000 MHz	65	5366.000000 MHz
16	5335.000000 MHz	66	5355.000000 MHz
17	5456.000000 MHz	67	5638.000000 MHz
18	5655.000000 MHz	68	5564.000000 MHz
19	5298.000000 MHz	69	5404.000000 MHz
20	5530.000000 MHz	70	5709.000000 MHz
21	5343.000000 MHz	71	5659.000000 MHz
22	5346.000000 MHz	72	5460.000000 MHz
23	5401.000000 MHz	73	5377.000000 MHz
24	5524.000000 MHz	74	5662.000000 MHz
25	5280.000000 MHz	75	5661.000000 MHz
26	5718.000000 MHz	76	5675.000000 MHz
27	5451.000000 MHz	77	5312.000000 MHz
28	5571.000000 MHz	78	5254.000000 MHz
29	5722.000000 MHz	79	5534.000000 MHz
30	5679.000000 MHz	80	5627.000000 MHz
31	5491.000000 MHz	81	5341.000000 MHz
32	5367.000000 MHz	82	5612.000000 MHz
33	5459.000000 MHz	83	5272.000000 MHz
34	5322.000000 MHz	84	5615.000000 MHz
35	5255.000000 MHz	85	5555.000000 MHz
36	5656.000000 MHz	86	5444.000000 MHz
37	5472.000000 MHz	87	5488.000000 MHz
38	5721.000000 MHz	88	5586.000000 MHz
39	5562.000000 MHz	89	5723.000000 MHz
40	5402.000000 MHz	90	5436.000000 MHz
41	5405.000000 MHz	91	5520.000000 MHz
42	5409.000000 MHz	92	5576.000000 MHz
43	5450.000000 MHz	93	5326.000000 MHz
44	5494.000000 MHz	94	5607.000000 MHz
45	5692.000000 MHz	95	5360.000000 MHz
46	5349.000000 MHz	96	5706.000000 MHz
47	5714.000000 MHz	97	5352.000000 MHz
48	5649.000000 MHz	98	5481.000000 MHz
49	5286.000000 MHz	99	5362.000000 MHz
50	5344.000000 MHz	100	5287.000000 MHz

Table 10.2-24: List of frequencies of hopping radar type 6 for Trial 23

Hop number	Hop frequency	Hop number	Hop frequency
1	5259.000000 MHz	51	5608.000000 MHz
2	5579.000000 MHz	52	5544.000000 MHz
3	5595.000000 MHz	53	5368.000000 MHz
4	5319.000000 MHz	54	5658.000000 MHz
5	5264.000000 MHz	55	5391.000000 MHz
6	5596.000000 MHz	56	5548.000000 MHz
7	5320.000000 MHz	57	5669.000000 MHz
8	5563.000000 MHz	58	5528.000000 MHz
9	5604.000000 MHz	59	5399.000000 MHz
10	5478.000000 MHz	60	5536.000000 MHz
11	5315.000000 MHz	61	5693.000000 MHz
12	5615.000000 MHz	62	5506.000000 MHz
13	5546.000000 MHz	63	5705.000000 MHz
14	5513.000000 MHz	64	5566.000000 MHz
15	5403.000000 MHz	65	5632.000000 MHz
16	5465.000000 MHz	66	5426.000000 MHz
17	5696.000000 MHz	67	5616.000000 MHz
18	5515.000000 MHz	68	5527.000000 MHz
19	5664.000000 MHz	69	5667.000000 MHz
20	5475.000000 MHz	70	5537.000000 MHz
21	5404.000000 MHz	71	5359.000000 MHz
22	5440.000000 MHz	72	5446.000000 MHz
23	5460.000000 MHz	73	5479.000000 MHz
24	5662.000000 MHz	74	5362.000000 MHz
25	5653.000000 MHz	75	5258.000000 MHz
26	5652.000000 MHz	76	5467.000000 MHz
27	5517.000000 MHz	77	5651.000000 MHz
28	5413.000000 MHz	78	5558.000000 MHz
29	5317.000000 MHz	79	5559.000000 MHz
30	5510.000000 MHz	80	5700.000000 MHz
31	5533.000000 MHz	81	5308.000000 MHz
32	5635.000000 MHz	82	5673.000000 MHz
33	5704.000000 MHz	83	5716.000000 MHz
34	5606.000000 MHz	84	5272.000000 MHz
35	5701.000000 MHz	85	5346.000000 MHz
36	5573.000000 MHz	86	5311.000000 MHz
37	5419.000000 MHz	87	5583.000000 MHz
38	5572.000000 MHz	88	5639.000000 MHz
39	5376.000000 MHz	89	5277.000000 MHz
40	5365.000000 MHz	90	5274.000000 MHz
41	5682.000000 MHz	91	5432.000000 MHz
42	5685.000000 MHz	92	5562.000000 MHz
43	5348.000000 MHz	93	5398.000000 MHz
44	5435.000000 MHz	94	5379.000000 MHz
45	5514.000000 MHz	95	5396.000000 MHz
46	5343.000000 MHz	96	5455.000000 MHz
47	5438.000000 MHz	97	5672.000000 MHz
48	5561.000000 MHz	98	5436.000000 MHz
49	5542.000000 MHz	99	5505.000000 MHz
50	5612.000000 MHz	100	5456.000000 MHz

Table 10.2-25: List of frequencies of hopping radar type 6 for Trial 24

Hop number	Hop frequency	Hop number	Hop frequency
1	5619.000000 MHz	51	5662.000000 MHz
2	5255.000000 MHz	52	5569.000000 MHz
3	5502.000000 MHz	53	5681.000000 MHz
4	5411.000000 MHz	54	5700.000000 MHz
5	5314.000000 MHz	55	5625.000000 MHz
6	5649.000000 MHz	56	5705.000000 MHz
7	5621.000000 MHz	57	5497.000000 MHz
8	5361.000000 MHz	58	5272.000000 MHz
9	5693.000000 MHz	59	5312.000000 MHz
10	5424.000000 MHz	60	5641.000000 MHz
11	5478.000000 MHz	61	5714.000000 MHz
12	5270.000000 MHz	62	5639.000000 MHz
13	5515.000000 MHz	63	5627.000000 MHz
14	5682.000000 MHz	64	5691.000000 MHz
15	5470.000000 MHz	65	5530.000000 MHz
16	5570.000000 MHz	66	5436.000000 MHz
17	5568.000000 MHz	67	5534.000000 MHz
18	5701.000000 MHz	68	5573.000000 MHz
19	5500.000000 MHz	69	5711.000000 MHz
20	5643.000000 MHz	70	5397.000000 MHz
21	5354.000000 MHz	71	5283.000000 MHz
22	5521.000000 MHz	72	5652.000000 MHz
23	5638.000000 MHz	73	5410.000000 MHz
24	5331.000000 MHz	74	5598.000000 MHz
25	5708.000000 MHz	75	5706.000000 MHz
26	5587.000000 MHz	76	5487.000000 MHz
27	5261.000000 MHz	77	5505.000000 MHz
28	5704.000000 MHz	78	5366.000000 MHz
29	5371.000000 MHz	79	5559.000000 MHz
30	5303.000000 MHz	80	5328.000000 MHz
31	5403.000000 MHz	81	5334.000000 MHz
32	5576.000000 MHz	82	5514.000000 MHz
33	5304.000000 MHz	83	5412.000000 MHz
34	5710.000000 MHz	84	5263.000000 MHz
35	5495.000000 MHz	85	5555.000000 MHz
36	5660.000000 MHz	86	5439.000000 MHz
37	5722.000000 MHz	87	5461.000000 MHz
38	5577.000000 MHz	88	5332.000000 MHz
39	5715.000000 MHz	89	5679.000000 MHz
40	5353.000000 MHz	90	5337.000000 MHz
41	5378.000000 MHz	91	5267.000000 MHz
42	5321.000000 MHz	92	5393.000000 MHz
43	5594.000000 MHz	93	5325.000000 MHz
44	5358.000000 MHz	94	5672.000000 MHz
45	5645.000000 MHz	95	5582.000000 MHz
46	5359.000000 MHz	96	5435.000000 MHz
47	5605.000000 MHz	97	5592.000000 MHz
48	5498.000000 MHz	98	5302.000000 MHz
49	5451.000000 MHz	99	5692.000000 MHz
50	5591.000000 MHz	100	5547.000000 MHz

Table 10.2-26: List of frequencies of hopping radar type 6 for Trial 25

Hop number	Hop frequency	Hop number	Hop frequency
1	5398.000000 MHz	51	5641.000000 MHz
2	5331.000000 MHz	52	5330.000000 MHz
3	5400.000000 MHz	53	5499.000000 MHz
4	5388.000000 MHz	54	5404.000000 MHz
5	5458.000000 MHz	55	5667.000000 MHz
6	5523.000000 MHz	56	5700.000000 MHz
7	5436.000000 MHz	57	5527.000000 MHz
8	5257.000000 MHz	58	5694.000000 MHz
9	5612.000000 MHz	59	5354.000000 MHz
10	5445.000000 MHz	60	5460.000000 MHz
11	5647.000000 MHz	61	5646.000000 MHz
12	5372.000000 MHz	62	5720.000000 MHz
13	5560.000000 MHz	63	5703.000000 MHz
14	5409.000000 MHz	64	5435.000000 MHz
15	5308.000000 MHz	65	5652.000000 MHz
16	5682.000000 MHz	66	5369.000000 MHz
17	5303.000000 MHz	67	5252.000000 MHz
18	5676.000000 MHz	68	5642.000000 MHz
19	5697.000000 MHz	69	5704.000000 MHz
20	5442.000000 MHz	70	5327.000000 MHz
21	5393.000000 MHz	71	5541.000000 MHz
22	5455.000000 MHz	72	5674.000000 MHz
23	5630.000000 MHz	73	5275.000000 MHz
24	5425.000000 MHz	74	5285.000000 MHz
25	5586.000000 MHz	75	5316.000000 MHz
26	5488.000000 MHz	76	5305.000000 MHz
27	5418.000000 MHz	77	5426.000000 MHz
28	5701.000000 MHz	78	5483.000000 MHz
29	5335.000000 MHz	79	5484.000000 MHz
30	5617.000000 MHz	80	5550.000000 MHz
31	5466.000000 MHz	81	5381.000000 MHz
32	5461.000000 MHz	82	5670.000000 MHz
33	5440.000000 MHz	83	5286.000000 MHz
34	5407.000000 MHz	84	5464.000000 MHz
35	5571.000000 MHz	85	5396.000000 MHz
36	5289.000000 MHz	86	5314.000000 MHz
37	5323.000000 MHz	87	5520.000000 MHz
38	5598.000000 MHz	88	5628.000000 MHz
39	5406.000000 MHz	89	5302.000000 MHz
40	5625.000000 MHz	90	5414.000000 MHz
41	5260.000000 MHz	91	5338.000000 MHz
42	5505.000000 MHz	92	5510.000000 MHz
43	5604.000000 MHz	93	5679.000000 MHz
44	5390.000000 MHz	94	5592.000000 MHz
45	5519.000000 MHz	95	5313.000000 MHz
46	5432.000000 MHz	96	5312.000000 MHz
47	5512.000000 MHz	97	5659.000000 MHz
48	5524.000000 MHz	98	5402.000000 MHz
49	5577.000000 MHz	99	5564.000000 MHz
50	5382.000000 MHz	100	5514.000000 MHz

Table 10.2-27: List of frequencies of hopping radar type 6 for Trial 26

Hop number	Hop frequency	Hop number	Hop frequency
1	5682.000000 MHz	51	5275.000000 MHz
2	5271.000000 MHz	52	5555.000000 MHz
3	5718.000000 MHz	53	5703.000000 MHz
4	5399.000000 MHz	54	5553.000000 MHz
5	5664.000000 MHz	55	5583.000000 MHz
6	5460.000000 MHz	56	5262.000000 MHz
7	5639.000000 MHz	57	5646.000000 MHz
8	5448.000000 MHz	58	5328.000000 MHz
9	5283.000000 MHz	59	5644.000000 MHz
10	5413.000000 MHz	60	5588.000000 MHz
11	5485.000000 MHz	61	5417.000000 MHz
12	5403.000000 MHz	62	5436.000000 MHz
13	5303.000000 MHz	63	5318.000000 MHz
14	5706.000000 MHz	64	5292.000000 MHz
15	5333.000000 MHz	65	5453.000000 MHz
16	5513.000000 MHz	66	5373.000000 MHz
17	5315.000000 MHz	67	5635.000000 MHz
18	5578.000000 MHz	68	5367.000000 MHz
19	5433.000000 MHz	69	5389.000000 MHz
20	5423.000000 MHz	70	5627.000000 MHz
21	5488.000000 MHz	71	5429.000000 MHz
22	5377.000000 MHz	72	5562.000000 MHz
23	5293.000000 MHz	73	5468.000000 MHz
24	5414.000000 MHz	74	5362.000000 MHz
25	5375.000000 MHz	75	5570.000000 MHz
26	5330.000000 MHz	76	5566.000000 MHz
27	5717.000000 MHz	77	5407.000000 MHz
28	5370.000000 MHz	78	5286.000000 MHz
29	5364.000000 MHz	79	5642.000000 MHz
30	5549.000000 MHz	80	5697.000000 MHz
31	5331.000000 MHz	81	5515.000000 MHz
32	5711.000000 MHz	82	5297.000000 MHz
33	5592.000000 MHz	83	5500.000000 MHz
34	5712.000000 MHz	84	5461.000000 MHz
35	5264.000000 MHz	85	5312.000000 MHz
36	5470.000000 MHz	86	5596.000000 MHz
37	5722.000000 MHz	87	5305.000000 MHz
38	5374.000000 MHz	88	5439.000000 MHz
39	5309.000000 MHz	89	5617.000000 MHz
40	5714.000000 MHz	90	5636.000000 MHz
41	5380.000000 MHz	91	5679.000000 MHz
42	5650.000000 MHz	92	5653.000000 MHz
43	5274.000000 MHz	93	5601.000000 MHz
44	5472.000000 MHz	94	5681.000000 MHz
45	5625.000000 MHz	95	5365.000000 MHz
46	5611.000000 MHz	96	5559.000000 MHz
47	5705.000000 MHz	97	5585.000000 MHz
48	5721.000000 MHz	98	5371.000000 MHz
49	5694.000000 MHz	99	5404.000000 MHz
50	5390.000000 MHz	100	5424.000000 MHz

Table 10.2-28: List of frequencies of hopping radar type 6 for Trial 27

Hop number	Hop frequency	Hop number	Hop frequency
1	5633.000000 MHz	51	5413.000000 MHz
2	5679.000000 MHz	52	5478.000000 MHz
3	5526.000000 MHz	53	5532.000000 MHz
4	5369.000000 MHz	54	5510.000000 MHz
5	5291.000000 MHz	55	5337.000000 MHz
6	5571.000000 MHz	56	5502.000000 MHz
7	5594.000000 MHz	57	5498.000000 MHz
8	5561.000000 MHz	58	5682.000000 MHz
9	5282.000000 MHz	59	5392.000000 MHz
10	5375.000000 MHz	60	5713.000000 MHz
11	5345.000000 MHz	61	5581.000000 MHz
12	5663.000000 MHz	62	5622.000000 MHz
13	5326.000000 MHz	63	5551.000000 MHz
14	5365.000000 MHz	64	5452.000000 MHz
15	5384.000000 MHz	65	5680.000000 MHz
16	5509.000000 MHz	66	5563.000000 MHz
17	5305.000000 MHz	67	5574.000000 MHz
18	5518.000000 MHz	68	5363.000000 MHz
19	5572.000000 MHz	69	5688.000000 MHz
20	5715.000000 MHz	70	5394.000000 MHz
21	5670.000000 MHz	71	5613.000000 MHz
22	5351.000000 MHz	72	5472.000000 MHz
23	5419.000000 MHz	73	5589.000000 MHz
24	5439.000000 MHz	74	5605.000000 MHz
25	5592.000000 MHz	75	5653.000000 MHz
26	5517.000000 MHz	76	5273.000000 MHz
27	5614.000000 MHz	77	5297.000000 MHz
28	5451.000000 MHz	78	5470.000000 MHz
29	5425.000000 MHz	79	5522.000000 MHz
30	5477.000000 MHz	80	5582.000000 MHz
31	5576.000000 MHz	81	5301.000000 MHz
32	5361.000000 MHz	82	5672.000000 MHz
33	5598.000000 MHz	83	5602.000000 MHz
34	5409.000000 MHz	84	5285.000000 MHz
35	5546.000000 MHz	85	5414.000000 MHz
36	5659.000000 MHz	86	5501.000000 MHz
37	5667.000000 MHz	87	5427.000000 MHz
38	5554.000000 MHz	88	5317.000000 MHz
39	5458.000000 MHz	89	5272.000000 MHz
40	5570.000000 MHz	90	5656.000000 MHz
41	5306.000000 MHz	91	5313.000000 MHz
42	5603.000000 MHz	92	5362.000000 MHz
43	5558.000000 MHz	93	5611.000000 MHz
44	5494.000000 MHz	94	5450.000000 MHz
45	5566.000000 MHz	95	5416.000000 MHz
46	5705.000000 MHz	96	5657.000000 MHz
47	5300.000000 MHz	97	5410.000000 MHz
48	5529.000000 MHz	98	5268.000000 MHz
49	5620.000000 MHz	99	5309.000000 MHz
50	5524.000000 MHz	100	5645.000000 MHz

Table 10.2-29: List of frequencies of hopping radar type 6 for Trial 28

Hop number	Hop frequency	Hop number	Hop frequency
1	5456.000000 MHz	51	5712.000000 MHz
2	5574.000000 MHz	52	5639.000000 MHz
3	5475.000000 MHz	53	5282.000000 MHz
4	5634.000000 MHz	54	5493.000000 MHz
5	5647.000000 MHz	55	5473.000000 MHz
6	5440.000000 MHz	56	5569.000000 MHz
7	5685.000000 MHz	57	5368.000000 MHz
8	5290.000000 MHz	58	5481.000000 MHz
9	5442.000000 MHz	59	5551.000000 MHz
10	5603.000000 MHz	60	5674.000000 MHz
11	5332.000000 MHz	61	5552.000000 MHz
12	5327.000000 MHz	62	5509.000000 MHz
13	5527.000000 MHz	63	5412.000000 MHz
14	5253.000000 MHz	64	5613.000000 MHz
15	5673.000000 MHz	65	5358.000000 MHz
16	5632.000000 MHz	66	5326.000000 MHz
17	5587.000000 MHz	67	5720.000000 MHz
18	5692.000000 MHz	68	5437.000000 MHz
19	5545.000000 MHz	69	5668.000000 MHz
20	5450.000000 MHz	70	5388.000000 MHz
21	5658.000000 MHz	71	5291.000000 MHz
22	5542.000000 MHz	72	5671.000000 MHz
23	5541.000000 MHz	73	5307.000000 MHz
24	5706.000000 MHz	74	5271.000000 MHz
25	5411.000000 MHz	75	5462.000000 MHz
26	5322.000000 MHz	76	5600.000000 MHz
27	5454.000000 MHz	77	5711.000000 MHz
28	5650.000000 MHz	78	5625.000000 MHz
29	5616.000000 MHz	79	5318.000000 MHz
30	5653.000000 MHz	80	5461.000000 MHz
31	5505.000000 MHz	81	5683.000000 MHz
32	5365.000000 MHz	82	5377.000000 MHz
33	5364.000000 MHz	83	5532.000000 MHz
34	5565.000000 MHz	84	5312.000000 MHz
35	5556.000000 MHz	85	5660.000000 MHz
36	5591.000000 MHz	86	5484.000000 MHz
37	5602.000000 MHz	87	5555.000000 MHz
38	5311.000000 MHz	88	5501.000000 MHz
39	5595.000000 MHz	89	5294.000000 MHz
40	5483.000000 MHz	90	5382.000000 MHz
41	5684.000000 MHz	91	5273.000000 MHz
42	5533.000000 MHz	92	5427.000000 MHz
43	5590.000000 MHz	93	5558.000000 MHz
44	5446.000000 MHz	94	5360.000000 MHz
45	5468.000000 MHz	95	5588.000000 MHz
46	5274.000000 MHz	96	5350.000000 MHz
47	5548.000000 MHz	97	5670.000000 MHz
48	5301.000000 MHz	98	5693.000000 MHz
49	5293.000000 MHz	99	5699.000000 MHz
50	5584.000000 MHz	100	5471.000000 MHz

Table 10.2-30: List of frequencies of hopping radar type 6 for Trial 29

Hop number	Hop frequency	Hop number	Hop frequency
1	5595.000000 MHz	51	5316.000000 MHz
2	5356.000000 MHz	52	5450.000000 MHz
3	5492.000000 MHz	53	5581.000000 MHz
4	5495.000000 MHz	54	5266.000000 MHz
5	5464.000000 MHz	55	5321.000000 MHz
6	5482.000000 MHz	56	5449.000000 MHz
7	5322.000000 MHz	57	5619.000000 MHz
8	5341.000000 MHz	58	5512.000000 MHz
9	5551.000000 MHz	59	5716.000000 MHz
10	5284.000000 MHz	60	5308.000000 MHz
11	5412.000000 MHz	61	5705.000000 MHz
12	5550.000000 MHz	62	5314.000000 MHz
13	5263.000000 MHz	63	5577.000000 MHz
14	5602.000000 MHz	64	5655.000000 MHz
15	5501.000000 MHz	65	5423.000000 MHz
16	5434.000000 MHz	66	5354.000000 MHz
17	5558.000000 MHz	67	5672.000000 MHz
18	5514.000000 MHz	68	5442.000000 MHz
19	5626.000000 MHz	69	5477.000000 MHz
20	5498.000000 MHz	70	5339.000000 MHz
21	5614.000000 MHz	71	5573.000000 MHz
22	5579.000000 MHz	72	5382.000000 MHz
23	5285.000000 MHz	73	5617.000000 MHz
24	5292.000000 MHz	74	5621.000000 MHz
25	5601.000000 MHz	75	5541.000000 MHz
26	5676.000000 MHz	76	5651.000000 MHz
27	5491.000000 MHz	77	5444.000000 MHz
28	5360.000000 MHz	78	5598.000000 MHz
29	5486.000000 MHz	79	5275.000000 MHz
30	5431.000000 MHz	80	5415.000000 MHz
31	5557.000000 MHz	81	5708.000000 MHz
32	5565.000000 MHz	82	5481.000000 MHz
33	5497.000000 MHz	83	5483.000000 MHz
34	5554.000000 MHz	84	5517.000000 MHz
35	5717.000000 MHz	85	5416.000000 MHz
36	5310.000000 MHz	86	5499.000000 MHz
37	5287.000000 MHz	87	5545.000000 MHz
38	5537.000000 MHz	88	5402.000000 MHz
39	5461.000000 MHz	89	5540.000000 MHz
40	5290.000000 MHz	90	5465.000000 MHz
41	5447.000000 MHz	91	5542.000000 MHz
42	5393.000000 MHz	92	5570.000000 MHz
43	5395.000000 MHz	93	5390.000000 MHz
44	5534.000000 MHz	94	5448.000000 MHz
45	5659.000000 MHz	95	5364.000000 MHz
46	5674.000000 MHz	96	5653.000000 MHz
47	5337.000000 MHz	97	5702.000000 MHz
48	5640.000000 MHz	98	5413.000000 MHz
49	5613.000000 MHz	99	5258.000000 MHz
50	5406.000000 MHz	100	5609.000000 MHz