# FCC Radio Test Report

| | | |
|---|---|---|
| APPLICANT | : | Google LLC |
| EQUIPMENT | : | Wireless Device |
| MODEL NAME | : | GWSQ2 |
| FCC ID | : | A4RGWSQ2 |
| STANDARD | : | FCC 47 CFR Part 25 |
| CLASSIFICATION | : | Licensed Non-Broadcast Station Transmitter (TNB) |
| TEST DATE(S) | : | Mar. 27, 2025 ~ Apr. 14, 2025 |

**We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.**

**The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Kunshan), the test report shall not be reproduced except in full.**

Jason Jia

**Approved by: Jason Jia**

ACCREDITED
Cert #5145.02

***Sporton International Inc. (Kunshan)***
***No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China***

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**APPENDIX A. TEST RESULTS OF CONDUCTED TEST**

**APPENDIX B. TEST RESULTS OF RADIATED TEST**

# REVISION HISTORY

| REPORT NO. | VERSION | DESCRIPTION | ISSUED DATE |
|---|---|---|---|
| FG512406 | Rev. 01 | Initial issue of report | Apr. 16, 2025 |
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# SUMMARY OF TEST RESULT

| Report Section | FCC Rule | Description | Limit | Result | Remark |
|---|---|---|---|---|---|
| 3.1 | §2.1046) | RF Output Power | - | Report Only | - |
| | §25.204(a) | Equivalent Isotropic Radiated Power | 40dBW(max) | PASS | - |
| 3.2 | §2.1055, §25.202(d) | Frequency Stability | within 0.001 percent of the reference frequency. | PASS | - |
| 3.3 | §2.1049 | Occupied Bandwidth | - | PASS | - |
| 3.4 | §2.1051, §25.202(f)(1)(2) | Conducted Emissions Mask | §25.202(f)(1)(2) | PASS | |
| 3.5 | §2.1051, §25.202(f)(3) | Conducted Spurious Emission | §25.202(f)(3) | PASS | - |
| 3.6 | §2.1053, §25.202(f)(3) | Field Strength of Spurious Radiation | §25.202(f)(3) | PASS | Under limit 35.75 dB at 3255.00 MHz |
| 3.7 | §25.216(c)(e)(h)(i) | Additional Limits on Emissions from Mobile Earth Station | §25.216(c)(e)(h)(i) | PASS | - |

**Conformity Assessment Condition:**

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section “Measurement Uncertainty”

**Disclaimer:**

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

# 1 General Description

## 1.1 Applicant

**Google LLC**
1600 Amphitheatre Parkway, Mountain View, CA, 94043 USA

## 1.2 Product Feature of Equipment Under Test

| Product Feature | |
|---|---|
| **Equipment** | Wireless Device |
| **Model Name** | GWSQ2 |
| **FCC ID** | A4RGWSQ2 |
| **IMEI Code** | Conducted: 359117430051424/359117430092808<br>Radiation: 359117430095454 |

## 1.3 Product Specification of Equipment Under Test

| Standards-related Product Specification | |
|---|---|
| **Tx Frequency** | Band 255 : 1626.6 MHz ~ 1660 MHz |
| **Rx Frequency** | Band 255 : 1525.1 MHz ~1558.5 MHz |
| **Sub-carrier Spacing** | 3.75kHz, 15kHz |
| **Bandwidth** | 230kHz |
| **Maximum Output Power to Antenna** | Band 255 : 23.64 dBm |
| **Antenna Type** | PIFA Antenna |
| **Antenna Gain** | Band 255 : -7.5 dBi |
| **Type of Modulation** | BPSK / QPSK |

## 1.4 Modification of EUT

No modifications are made to the EUT during all test items.

## 1.5 Maximum EIRP and Emission Designator

| Band 255 | | BPSK/QPSK | |
|---|---|---|---|
| **SCS (kHz)** | **Frequency Range (MHz)** | **Maximum EIRP(W)** | **Emission Designator (99%OBW)** |
| **3.75** | 1626.7 ~ 1659.9 | 0.0409 | - |
| **15** | 1626.7 ~ 1659.9 | 0.0411 | 193KG7D |

**Note:** All modulations have been tested, and only the worst test results are shown in the report.

## 1.6 Testing Location

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

| | | | |
|---|---|---|---|
| **Test Firm** | Sporton International Inc. (Kunshan) | | |
| **Test Site Location** | No. 1098, Pengxi North Road, Kunshan Economic Development Zone<br>Jiangsu Province 215300 People's Republic of China<br>TEL : +86-512-57900158 | | |
| **Test Site No.** | **Sporton Site No.** | **FCC Designation No.** | **FCC Test Firm Registration No.** |
| | 03CH04-KS<br>TH01-KS | CN1257 | 314309 |

## 1.7 Test Software

| Item | Site | Manufacture | Name | Version |
|---|---|---|---|---|
| 1. | TH01-KS | SPORTON | FCC LTE_Ver2.0<br>Auto_china_210503 | 2.0 |
| 2. | 03CH04-KS | AUDIX | E3 | 210616 |

## 1.8 Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- FCC 47 CFR Part 25
- ANSI C63.26-2015
- FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01
- FCC KDB 414788 D01 Radiated Test Site v01r01

**Remark:** All test items were verified and recorded according to the standards and without any deviation during the test.

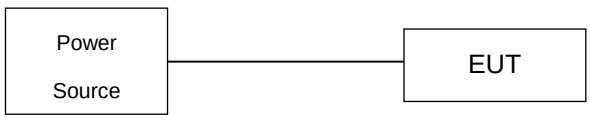
# 2 Test Configuration of Equipment Under Test

## 2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes to find the maximum emission. (Z-Plane)

## 2.2 Connection Diagram of Test System




This example is connection diagram of EUT test configurations.

For detail, please refer to test mode configuration and setup photographs for each test item.

## 2.3 Support Unit used in test configuration and system

| Item | Equipment | Trade Name | Model Name | FCC ID | Data Cable | Power Cord |
|---|---|---|---|---|---|---|
| 1. | DC Power Supply | GW | GPS-3030D | N/A | N/A | Unshielded, 1.8 m |

## 2.4 EUT Operation Test Setup

For all test items, an engineering test program was provided and enabled to make EUT continuous transmit.

## 2.5 Measurement Results Explanation Example

**For all conducted test items:**

The offset level is set in the spectrum analyzer to compensate the RF cable loss between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

Example :

The spectrum analyzer offset is derived from RF cable loss.

*Offset = RF cable loss.*

Following shows an offset computation example with cable loss 5.6dB.

*Offset(dB) = RF cable loss(dB).*

= 5.6 (dB)

## 2.6 Frequency List of Low/Middle/High Channels

| Band 255 Channel and Frequency List | | | | |
|---|---|---|---|---|
| **SCS [kHz]** | **Channel/Frequency(MHz)** | **Lowest** | **Middle** | **Highest** |
| 3.75 / 15 | Frequency | 1626.7 | 1643.5 | 1659.9 |

# 3 Test Result

## 3.1 RF Output Power and EIRP

### 3.1.1 Description of the Conducted Output Power and EIRP Measurement

**FCC Part 25.204 (a)**

In bands shared coequally with terrestrial radio communication services, the equivalent isotropically radiated power transmitted in any direction towards the horizon by an earth station, other than an ESV, operating in frequency bands between 1 and 15 GHz, shall not exceed the following limits except as provided for in paragraph (c) of this section:

- + 40 dBW in any 4 kHz band for θ ≤0°
- + 40 + 3θ dBW in any 4 kHz band for 0° <θ ≤5°

  Where θ is the angle of elevation of the horizon viewed from the center of radiation of the antenna of the earth station and measured in degrees as positive above the horizontal plane and negative below it.

According to KDB 412172 D01 Power Approach,

EIRP = PT + GT – LC, ERP = EIRP -2.15, where

PT = transmitter output power in dBm

GT = gain of the transmitting antenna in dBi

LC = signal attenuation in the connecting cable between the transmitter and antenna in dB

### 3.1.2 Test Procedures

The output power is measured by using power meter and FTM (Factory Test Mode) when the transmitter is operating at the manufacturer's rated power and modulated with signals. The maximum antenna gain of EUT for the test range will then be added to the measured conducted power to calculate the EIRP. Since the power meter can only measure the overall power, the measured result will be worse than the one measured in 4 kHz RBW. The test result will be compared to the most restricted limit: +40 dBW.

### 3.1.3 Test Results

Please refer to Appendix A.

## 3.2 Frequency Stability

### 3.2.1 Description of the Frequency Stability Measurement

**FCC Part 25.202 (d) Frequency tolerance, Earth stations.**

The carrier frequency of each earth station transmitter authorized in these services shall be maintained within 0.001 percent of the reference frequency.

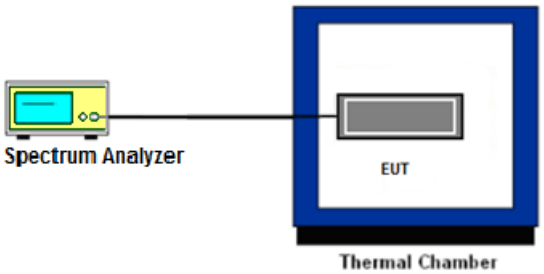
### 3.2.2 Test Procedures for Temperature Variation

1. The testing follows ANSI C63.26 section 5.6.4
2. The EUT was set up in the thermal chamber and connected with the spectrum analyzer.
3. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in 10°C steps up to 50°C. The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

### 3.2.3 Test Procedures for Voltage Variation

1. The testing follows ANSI C63.26 section 5.6.5
2. The EUT was placed in a temperature chamber at 20±5° C and connected with the spectrum analyzer.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value for other than hand carried battery equipment.
4. The power supply voltage to the EUT was varied from the lowermost voltage to the uppermost voltage. The range is specified by manufacturer.
5. The variation in frequency was measured for the worst case.

### 3.2.4 Test Setup




### 3.2.5 Test Results

Please refer to Appendix A.

## 3.3 Occupied Bandwidth

### 3.3.1 Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

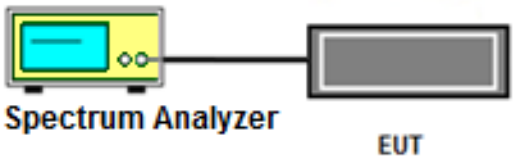
### 3.3.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

### 3.3.3 Test Procedures

1. The testing follows ANSI C63.26 Section 5.4
2. The EUT was connected to spectrum analyzer.
3. The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
4. The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
5. Set the detection mode to peak, and the trace mode to max hold.
6. Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.
   (this is the reference value)
7. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

### 3.3.4 Test Setup




### 3.3.5 Test Result

Please refer to Appendix A.

## 3.4 Conducted Emissions Mask

### 3.4.1 Description of Conducted Emissions Mask Measurement

**FCC Part 25.202(f) Emissions Limitations**

The mean power of the emissions shall be attenuated below the mean output power of the transmitter in accordance with the following schedule:

(1) In any 4 kHz band, the center frequency of which is removed from the assigned frequency by more than 50% up to and including 100% of the authorized bandwidth: 25 decibels;

(2) In any 4 kHz band, the center frequency of which is removed from the assigned frequency by more than 100% up to and including 250% of the authorized bandwidth: 35 decibels;

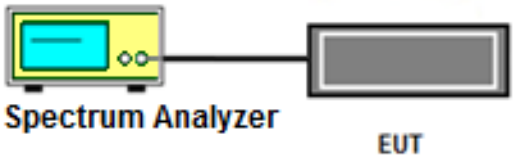
### 3.4.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

### 3.4.3 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to the spectrum analyzer.
3. The RF output of EUT was connected to the spectrum analyzer by an RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. The highest RF power within the transmitting frequency was measured.
5. Make the measurement with the spectrum analyzer's RBW = 3kHz, VBW = 10kHz, and add a correction factor of 10log*(4kHz/3kHz) = 1.25dB to meet the 4kHz integration requirement, taking the record of the worst unwanted emission.
6. If the test result in Step 5 exceed the limit, the following procedure will be used:
   - 6.1. Make the measurement with the spectrum analyzer's RBW = 1kHz, VBW = 3kHz.
   - 6.2. Record all measured worst frequencies.
   - 6.3. Use the Channel Power Function of the Spectrum Analyzer.
   - 6.4. Measure the power in 1kHz bandwidth center the worst frequencies, add a correction factor of 10log*(4kHz/1kHz) to meet the 4kHz integration requirement.
7. The limit line is derived from FCC 25.202 (f) below the transmitter power P(Watts)

### 3.4.4 Test Setup




### 3.4.5 Test Result

Please refer to Appendix A.

## 3.5 Conducted Spurious Emission

### 3.5.1 Description of Conducted Spurious Emission Measurement

**FCC Part 25.202(f) Emissions Limitations**

The mean power of the emissions shall be attenuated below the mean output power of the transmitter in accordance with the following schedule:

(3) In any 4 kHz band, the center frequency of which is removed from the assigned frequency by more than 250% of the authorized bandwidth: an amount equal to 43 decibels plus 10 times Logarithm (to the base 10) of the transmitter power in watts.

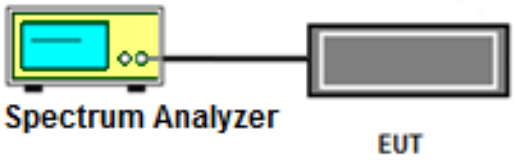
### 3.5.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

### 3.5.3 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to the spectrum analyzer.
3. The RF output of EUT was connected to the spectrum analyzer by an RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. The highest RF power within the transmitting frequency was measured.
5. Peak detector is used instead of RMS detector since the measured result of Peak detector is worse than the RMS one. If the test result of Peak detector exceed the limit, RMS detector will then be used.
6. Make the measurement with the spectrum analyzer's RBW = 100kHz, VBW = 300kHz, taking the record of the worst unwanted emission.
7. The conducted spurious emission for the whole frequency range was taken.
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
9. The limit line is derived from FCC 25.202 (f) below the transmitter power P(Watts)

### 3.5.4 Test Setup




### 3.5.5 Test Result

Please refer to Appendix A.

# 3.6 Field Strength of Spurious Radiation

## 3.6.1 Description of Radiated Spurious Emission

**FCC Part 25.202(f) Emissions Limitations**

The mean power of the emissions shall be attenuated below the mean output power of the transmitter in accordance with the following schedule:

(3) In any 4 kHz band, the center frequency of which is removed from the assigned frequency by more than 250% of the authorized bandwidth: an amount equal to 43 decibels plus 10 times Logarithm (to the base 10) of the transmitter power in watts

## 3.6.2 Measuring Instruments

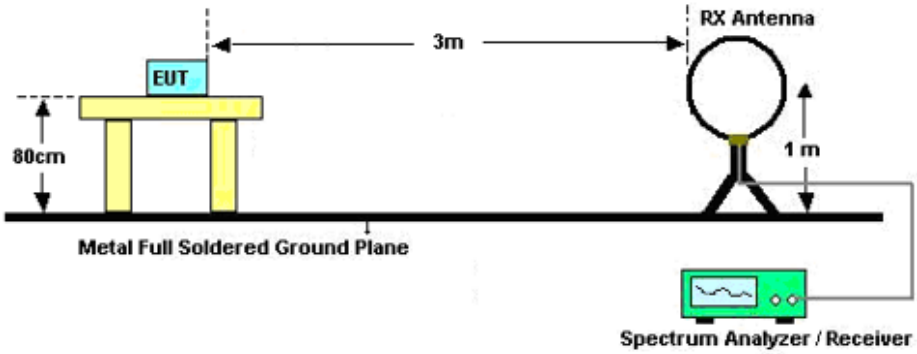
The measuring equipment is listed in the section 4 of this test report.

## 3.6.3 Test Procedures

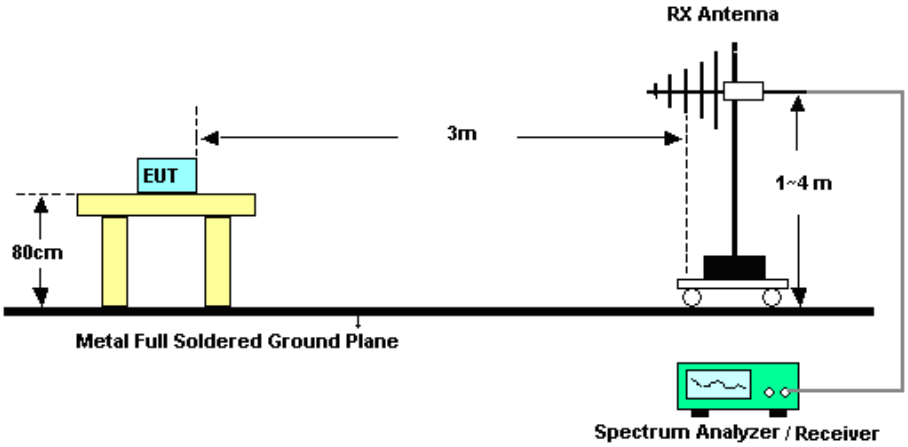
1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a rotatable table with:
   - 0.8 meter above ground for emissions under 1 GHz
   - 1.5 meter above ground for emissions above 1 GHz
3. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
6. Peak detector is used instead of RMS detector since the measured result of Peak detector is worse than the RMS one. If the test result of Peak detector exceed the limit, RMS detector will then be used.
7. Make the measurement with the spectrum analyzer's RBW = 100kHz, VBW = 300kHz, taking the record of maximum spurious emission.
8. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

### 3.6.4 Test Setup

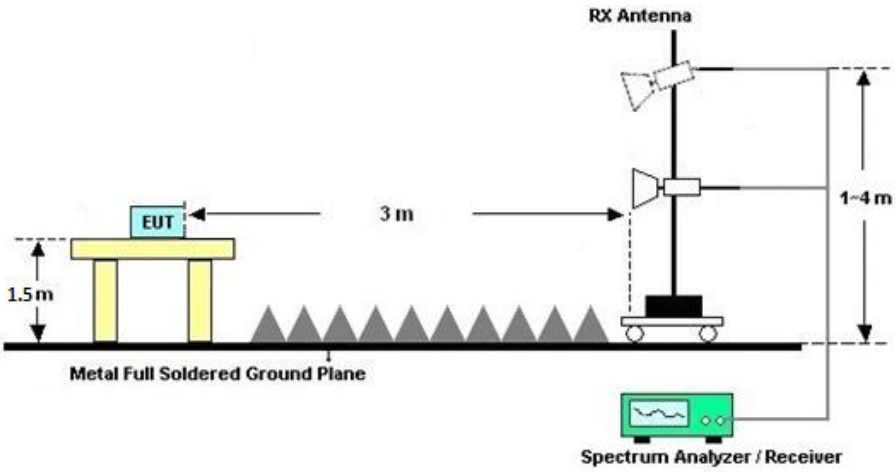
**For radiated emissions below 30MHz**




**For radiated emissions from 30MHz to 1GHz**



**For radiated emissions above 1GHz**




### 3.6.5 Test Results

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

Please refer to Appendix B.

## 3.7 Additional Limits on Emissions from Mobile Earth Station

Additional Limits on emissions from mobile earth stations for protection of aeronautical radionavigation-satellite service and Special requirements for ancillary terrestrial components operating in the 1626.5-1660.5 MHz and 2000-2020 MHz bands.

### 3.7.1 Description of Additional Limits on Emissions from Mobile Earth Station

**FCC Part 25.216 Emissions Limitations:**

(c) The e.i.r.p. density of emissions from mobile earth stations placed in service after July 21, 2002 with assigned uplink frequencies between 1610 MHz and 1660.5 MHz shall not exceed −70 dBW/MHz, averaged over any 2 millisecond active transmission interval, in the band 1559-1605 MHz. The e.i.r.p. of discrete emissions of less than 700 Hz bandwidth from such stations shall not exceed −80 dBW, averaged over any 2 millisecond active transmission interval, in the 1559-1605 MHz band.

(h) Mobile earth stations manufactured more than six months after Federal Register publication of the rule changes adopted in FCC 03-283 with assigned uplink frequencies in the 1626.5-1660.5 MHz band shall suppress the power density of emissions in the 1605-1610 MHz band-segment to an extent determined by linear interpolation from −70 dBW/MHz at 1605 MHz to −46 dBW/MHz at 1610 MHz, averaged over any 2 millisecond active transmission interval. The e.i.r.p of discrete emissions of less than 700 Hz bandwidth from such stations shall not exceed a level determined by linear interpolation from −80 dBW at 1605 MHz to −56 dBW at 1610 MHz, averaged over any 2 millisecond active transmission interval.

(i) The e.i.r.p density of carrier-off state emissions from mobile earth stations manufactured more than six months after Federal Register publication of the rule changes adopted in FCC 03-283 with assigned uplink frequencies between 1 and 3 GHz shall not exceed −80 dBW/MHz in the 1559-1610 MHz band averaged over any two millisecond interval.

(j) A Root-Mean-Square detector shall be used for all power density measurements.

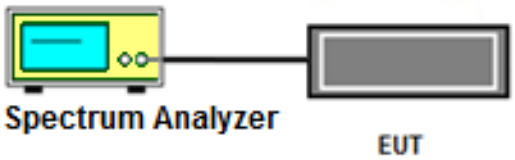
### 3.7.2 Measuring Instruments

The measuring equipment is listed in the section 4 of this test report.

### 3.7.3 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to the spectrum analyzer.
3. The RF output of EUT was connected to the spectrum analyzer by an RF cable and attenuator. The path loss was compensated to the results for each measurement.
4. The highest RF power within the transmitting frequency was measured.
5. Use the spectrum analyzer with RBW = 1kHz for discrete emissions and RBW = 1MHz for broadband emissions, and set VBW to 3 times the RBW. Record the maximum spurious emission detected.

### 3.7.4 Test Setup




### 3.7.5 Test Results

Please refer to Appendix A.

# 4 List of Measuring Equipment

| Instrument | Manufacturer | Model No. | Serial No. | Characteristics | Calibration Date | Test Date | Due Date | Remark |
|---|---|---|---|---|---|---|---|---|
| Spectrum Analyzer | R&S | FSV40 | 101040 | 10Hz~40GHz | Oct. 10, 2024 | Mar. 27, 2025~ Apr.14, 2025 | Oct. 09, 2025 | Conducted (TH01-KS) |
| Power divider | STI | STI08-0055 | - | 0.5~40GHz | NCR | Mar. 27, 2025~ Apr.14, 2025 | NCR | Conducted (TH01-KS) |
| Temperature &humidity chamber | Hongzhan | LP-150U | H2014011440 | -40~+150°C 20%~95%RH | Jul. 04, 2024 | Mar. 27, 2025~ Apr. 14, 2025 | Jul. 03, 2025 | Conducted (TH01-KS) |
| EXA Spectrum Analyzer | Keysight | N9010A | MY55370528 | 10Hz-44G,MAX 30dB | Oct. 11, 2024 | Mar. 30, 2025 | Oct. 10, 2025 | Radiation (03CH04-KS) |
| Loop Antenna | R&S | HFH2-Z2E | 101125 | 9kHz~30MHz | Sep. 08, 2024 | Mar. 30, 2025 | Sep. 07, 2025 | Radiation (03CH04-KS) |
| Bilog Antenna | TeseQ | CBL6111D | 44483 | 30MHz-1GHz | Nov. 23, 2024 | Mar. 30, 2025 | Nov. 22, 2025 | Radiation (03CH04-KS) |
| Double Ridge Horn Antenna | ETS-Lindgren | 3117 | 00227860 | 1GHz~18GHz | Aug. 16, 2024 | Mar. 30, 2025 | Aug. 15, 2025 | Radiation (03CH04-KS) |
| SHF-EHF Horn | Com-power | AH-840 | 101116 | 18GHz~40GHz | Oct. 22, 2024 | Mar. 30, 2025 | Oct. 21, 2025 | Radiation (03CH04-KS) |
| Amplifier | SONOMA | 310N | 380826 | 9KHz-1GHz | Jul. 03, 2024 | Mar. 30, 2025 | Jul. 02, 2025 | Radiation (03CH04-KS) |
| Amplifier | EM | EM18G40GA | 060852 | 18~40GHz | Jan. 03, 2025 | Mar. 30, 2025 | Jan. 02, 2026 | Radiation (03CH04-KS) |
| Amplifier | EM | EM01G18GA | 060892 | 1Ghz-18Ghz | Oct. 09, 2024 | Mar. 30, 2025 | Oct. 08, 2025 | Radiation (03CH04-KS) |
| AC Power Source | Chroma | 61601 | F104090004 | N/A | NCR | Mar. 30, 2025 | NCR | Radiation (03CH04-KS) |
| Turn Table | ChamPro | EM 1000-T | 060762-T | 0~360 degree | NCR | Mar. 30, 2025 | NCR | Radiation (03CH04-KS) |
| Antenna Mast | ChamPro | EM 1000-A | 060762-A | 1 m~4 m | NCR | Mar. 30, 2025 | NCR | Radiation (03CH04-KS) |

NCR: No Calibration Required

# 5 Measurement Uncertainty

**Uncertainty of Conducted Measurement**

| Test Item | Uncertainty |
|---|---|
| Conducted Power | ±0.50 dB |
| Conducted Emissions | ±2.22 dB |
| Occupied Channel Bandwidth | ±0.1 % |

**Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)**

| | |
|---|---|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 2.83dB |

**Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)**

| | |
|---|---|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 2.83dB |

**Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)**

| | |
|---|---|
| Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y)) | 2.82dB |

# Appendix A. Test Results of Conducted Test

| Test Engineer : | Smile Wang | Temperature : | 24~26℃ |
|---|---|---|---|
| | | Relative Humidity : | 50~53% |

## Conducted Output Power(Average power) and EIRP

### Band 255

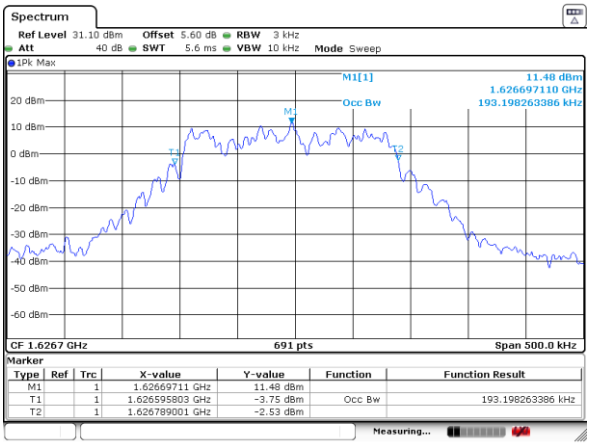
| Sub-carrier Speacing (KHz) | Modulation | SC Size | SC Offset | Power Low Ch. / Freq. | Power Middle Ch. / Freq. | Power High Ch. / Freq. | EIRP(W) | EIRP(W) | EIRP(W) |
|---|---|---|---|---|---|---|---|---|---|
| Channel | | | | 261506 | 261674 | 261838 | 261506 | 261674 | 261838 |
| Frequency (MHz) | | | | 1626.7 | 1643.5 | 1659.9 | 1626.7 | 1643.5 | 1659.9 |
| 3.75 | BPSK | 1 | 0 | 23.41 | 22.92 | 22.67 | 0.0390 | 0.0348 | 0.0329 |
| 3.75 | BPSK | 1 | 47 | 23.62 | 23.24 | 22.77 | 0.0409 | 0.0375 | 0.0337 |
| 3.75 | QPSK | 1 | 0 | 23.47 | 22.98 | 22.60 | 0.0395 | 0.0353 | 0.0324 |
| 3.75 | QPSK | 1 | 47 | 23.61 | 23.15 | 22.79 | 0.0408 | 0.0367 | 0.0338 |
| 15 | BPSK | 1 | 0 | 23.46 | 22.96 | 22.53 | 0.0394 | 0.0352 | 0.0318 |
| 15 | BPSK | 1 | 11 | 23.64 | 23.24 | 22.78 | 0.0411 | 0.0375 | 0.0337 |
| 15 | QPSK | 1 | 0 | 23.49 | 23.04 | 22.58 | 0.0397 | 0.0358 | 0.0322 |
| 15 | QPSK | 1 | 11 | 23.56 | 23.26 | 22.72 | 0.0404 | 0.0377 | 0.0333 |
| 15 | QPSK | 3 | 0 | 22.34 | 22.24 | 22.17 | 0.0305 | 0.0298 | 0.0293 |
| 15 | QPSK | 3 | 9 | 22.43 | 22.16 | 22.18 | 0.0311 | 0.0292 | 0.0294 |
| 15 | QPSK | 6 | 0 | 22.41 | 22.21 | 22.23 | 0.0310 | 0.0296 | 0.0297 |
| 15 | QPSK | 6 | 6 | 22.45 | 22.20 | 22.21 | 0.0313 | 0.0295 | 0.0296 |
| 15 | QPSK | 12 | 0 | 23.57 | 23.05 | 22.73 | 0.0405 | 0.0359 | 0.0333 |

# Occupied Bandwidth

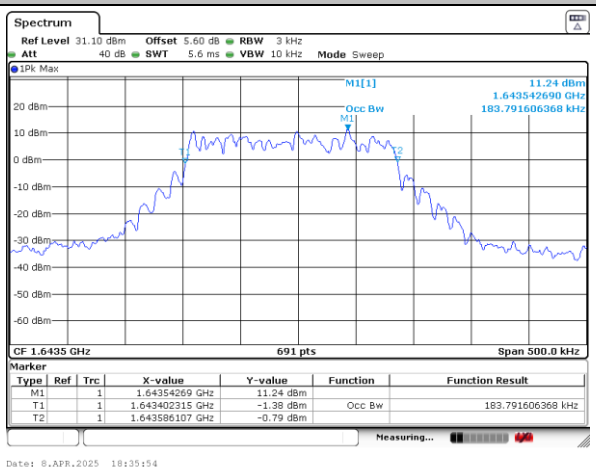
| Mode | Band 255 : 99%OBW(kHz) |
|---|---|
| SCS | 15kHz |
| Mod. | QPSK |
| SC Size | 12SC0 |
| Lowest CH | 193.20 |
| Middle CH | 183.79 |
| Highest CH | 183.79 |

## Band 255 SCS 15KHz

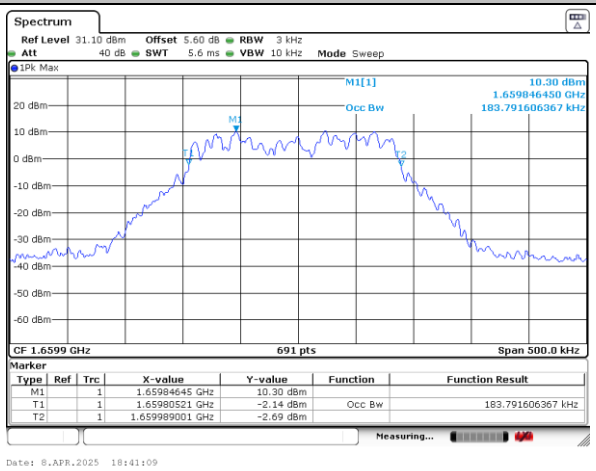
### Lowest Channel / 12SC0 / QPSK




### Middle Channel / 12SC0 / QPSK



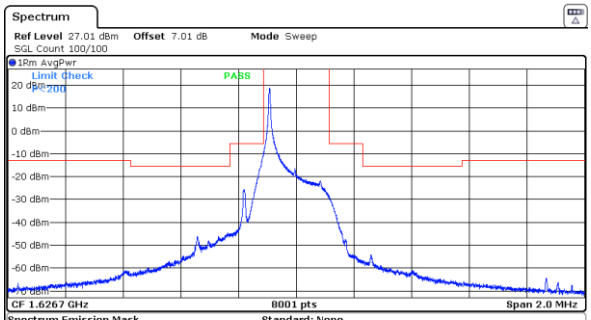

### Highest Channel / 12SC0 / QPSK



# MASK

## Band 255 SCS3.75KHz

### Lowest Channel / 1SC0/ BPSK



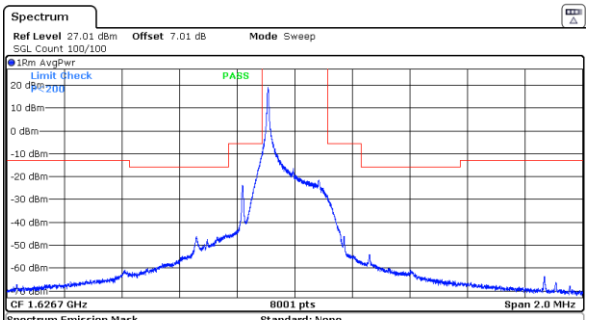

Spectrum Emission Mask Standard: None
Tx Power 19.45 dBm Tx Bandwidth 200.000 kHz RBW 3.000 kHz

| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -1.000 MHz | -575.000 kHz | 3.000 kHz | 1.62611 GHz | -61.11 dBm | -80.57 dB | -48.11 dB |
| -575.000 kHz | -230.000 kHz | 3.000 kHz | 1.62646 GHz | -44.53 dBm | -63.98 dB | -28.98 dB |
| -230.000 kHz | -115.000 kHz | 3.000 kHz | 1.62658 GHz | -11.00 dBm | -30.45 dB | -5.45 dB |
| 115.000 kHz | 230.000 kHz | 3.000 kHz | 1.62682 GHz | -29.24 dBm | -48.70 dB | -23.70 dB |
| 230.000 kHz | 575.000 kHz | 3.000 kHz | 1.62696 GHz | -54.30 dBm | -73.75 dB | -38.75 dB |
| 575.000 kHz | 1.000 MHz | 3.000 kHz | 1.62757 GHz | -64.22 dBm | -83.68 dB | -51.22 dB |

Ready

Date: 8.APR.2025 20:43:08

### Lowest Channel / 1SC0 / QPSK



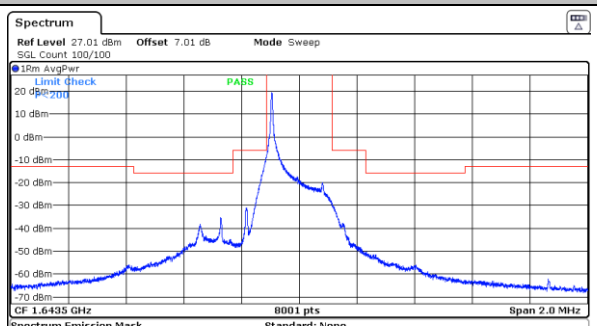

Spectrum Emission Mask Standard: None
Tx Power 19.33 dBm Tx Bandwidth 200.000 kHz RBW 3.000 kHz

| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -1.000 MHz | -575.000 kHz | 3.000 kHz | 1.62611 GHz | -60.69 dBm | -80.02 dB | -47.69 dB |
| -575.000 kHz | -230.000 kHz | 3.000 kHz | 1.62646 GHz | -45.31 dBm | -64.64 dB | -29.64 dB |
| -230.000 kHz | -115.000 kHz | 3.000 kHz | 1.62658 GHz | -10.67 dBm | -30.00 dB | -5.00 dB |
| 115.000 kHz | 230.000 kHz | 3.000 kHz | 1.62682 GHz | -29.50 dBm | -48.83 dB | -23.83 dB |
| 230.000 kHz | 575.000 kHz | 3.000 kHz | 1.62696 GHz | -54.02 dBm | -73.35 dB | -38.35 dB |
| 575.000 kHz | 1.000 MHz | 3.000 kHz | 1.62757 GHz | -63.67 dBm | -83.00 dB | -50.67 dB |

Ready

Date: 8.APR.2025 20:44:55

### Middle Channel / 1SC0/ BPSK



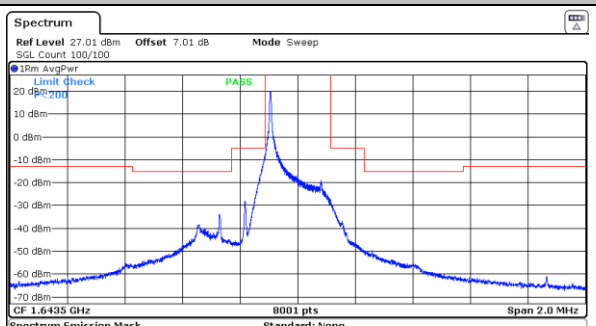

Spectrum Emission Mask Standard: None
Tx Power 19.15 dBm Tx Bandwidth 200.000 kHz RBW 3.000 kHz

| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -1.000 MHz | -575.000 kHz | 3.000 kHz | 1.64291 GHz | -55.94 dBm | -75.08 dB | -42.94 dB |
| -575.000 kHz | -230.000 kHz | 3.000 kHz | 1.64323 GHz | -35.44 dBm | -54.59 dB | -19.59 dB |
| -230.000 kHz | -115.000 kHz | 3.000 kHz | 1.64338 GHz | -8.88 dBm | -28.02 dB | -3.02 dB |
| 115.000 kHz | 230.000 kHz | 3.000 kHz | 1.64362 GHz | -30.03 dBm | -49.18 dB | -24.18 dB |
| 230.000 kHz | 575.000 kHz | 3.000 kHz | 1.64373 GHz | -50.28 dBm | -69.43 dB | -34.43 dB |
| 575.000 kHz | 1.000 MHz | 3.000 kHz | 1.64436 GHz | -62.20 dBm | -81.35 dB | -49.20 dB |

Ready

Date: 26.MAR.2025 15:24:47

### Middle Channel / 1SC0 / QPSK



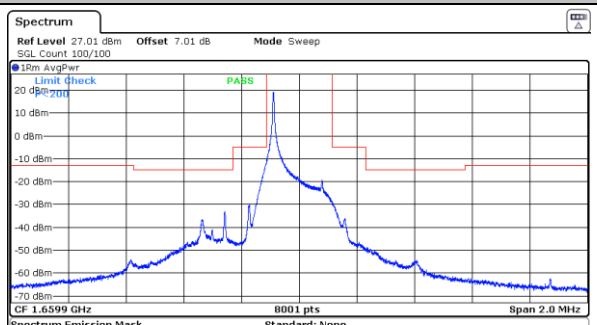

Spectrum Emission Mask Standard: None
Tx Power 19.99 dBm Tx Bandwidth 200.000 kHz RBW 3.000 kHz

| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -1.000 MHz | -575.000 kHz | 3.000 kHz | 1.64290 GHz | -55.52 dBm | -75.52 dB | -42.52 dB |
| -575.000 kHz | -230.000 kHz | 3.000 kHz | 1.64323 GHz | -33.88 dBm | -53.87 dB | -18.87 dB |
| -230.000 kHz | -115.000 kHz | 3.000 kHz | 1.64338 GHz | -8.44 dBm | -28.43 dB | -3.43 dB |
| 115.000 kHz | 230.000 kHz | 3.000 kHz | 1.64362 GHz | -29.09 dBm | -49.09 dB | -24.09 dB |
| 230.000 kHz | 575.000 kHz | 3.000 kHz | 1.64376 GHz | -49.76 dBm | -69.75 dB | -34.75 dB |
| 575.000 kHz | 1.000 MHz | 3.000 kHz | 1.64437 GHz | -61.17 dBm | -81.17 dB | -48.17 dB |

Ready

Date: 26.MAR.2025 15:33:26

### Highest Channel / 1SC0/ BPSK



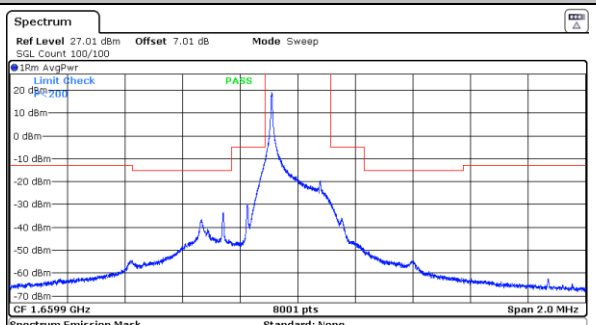

Spectrum Emission Mask Standard: None
Tx Power 20.12 dBm Tx Bandwidth 200.000 kHz RBW 3.000 kHz

| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -1.000 MHz | -575.000 kHz | 3.000 kHz | 1.65932 GHz | -54.28 dBm | -74.40 dB | -41.28 dB |
| -575.000 kHz | -230.000 kHz | 3.000 kHz | 1.65964 GHz | -33.04 dBm | -53.16 dB | -18.16 dB |
| -230.000 kHz | -115.000 kHz | 3.000 kHz | 1.65978 GHz | -12.21 dBm | -32.33 dB | -7.33 dB |
| 115.000 kHz | 230.000 kHz | 3.000 kHz | 1.66002 GHz | -29.25 dBm | -49.37 dB | -24.37 dB |
| 230.000 kHz | 575.000 kHz | 3.000 kHz | 1.66014 GHz | -48.72 dBm | -68.84 dB | -33.84 dB |
| 575.000 kHz | 1.000 MHz | 3.000 kHz | 1.66077 GHz | -62.34 dBm | -82.46 dB | -49.34 dB |

Ready

Date: 8.APR.2025 20:07:24

### Highest Channel / 1SC0 / QPSK




Spectrum Emission Mask Standard: None
Tx Power 19.96 dBm Tx Bandwidth 200.000 kHz RBW 3.000 kHz

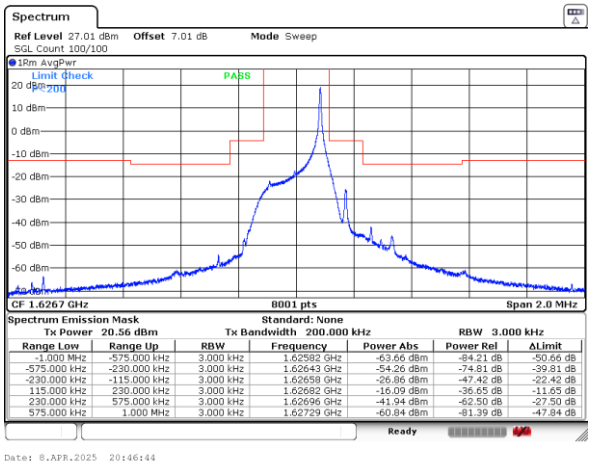
| Range Low | Range Up | RBW | Frequency | Power Abs | Power Rel | ΔLimit |
|---|---|---|---|---|---|---|
| -1.000 MHz | -575.000 kHz | 3.000 kHz | 1.65932 GHz | -54.33 dBm | -74.29 dB | -41.33 dB |
| -575.000 kHz | -230.000 kHz | 3.000 kHz | 1.65964 GHz | -33.64 dBm | -53.60 dB | -18.60 dB |
| -230.000 kHz | -115.000 kHz | 3.000 kHz | 1.65978 GHz | -11.58 dBm | -31.55 dB | -6.55 dB |
| 115.000 kHz | 230.000 kHz | 3.000 kHz | 1.66002 GHz | -29.49 dBm | -49.45 dB | -24.45 dB |
| 230.000 kHz | 575.000 kHz | 3.000 kHz | 1.66013 GHz | -50.26 dBm | -70.22 dB | -35.22 dB |
| 575.000 kHz | 1.000 MHz | 3.000 kHz | 1.66050 GHz | -62.37 dBm | -82.34 dB | -49.37 dB |

Ready

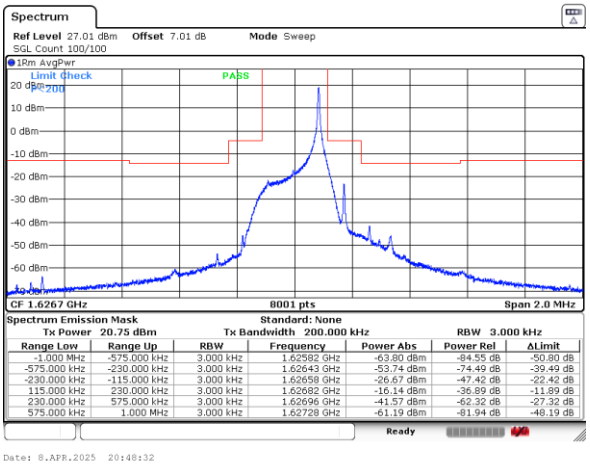
Date: 8.APR.2025 20:11:55

## Band 255 SCS3.75KHz

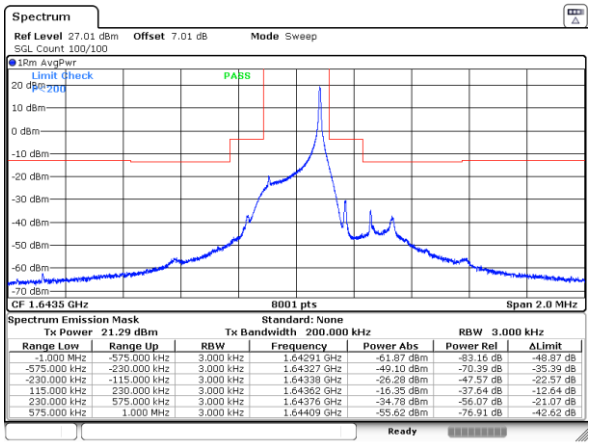
### Lowest Channel / 1SC47/ BPSK



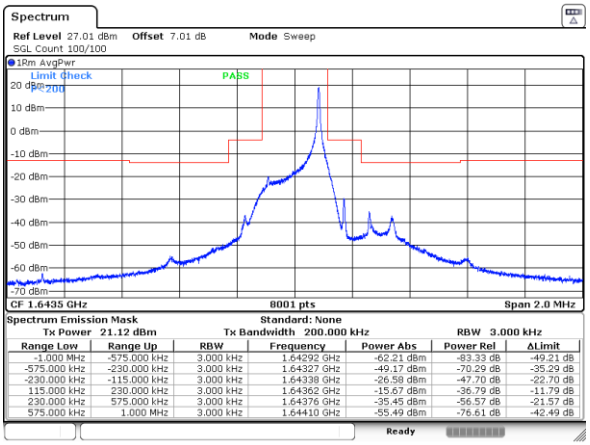

### Lowest Channel / 1SC47 / QPSK



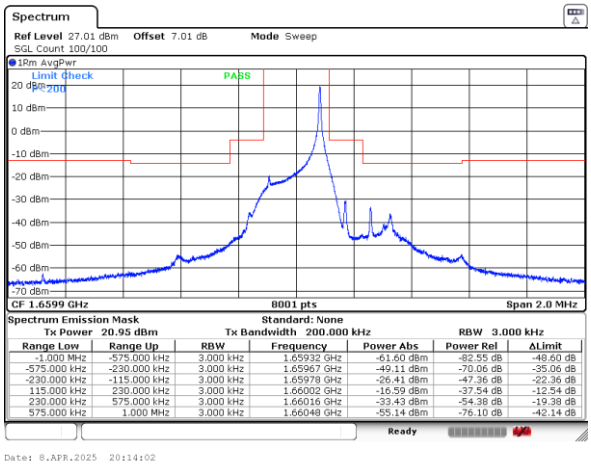

### Middle Channel / 1SC47/ BPSK



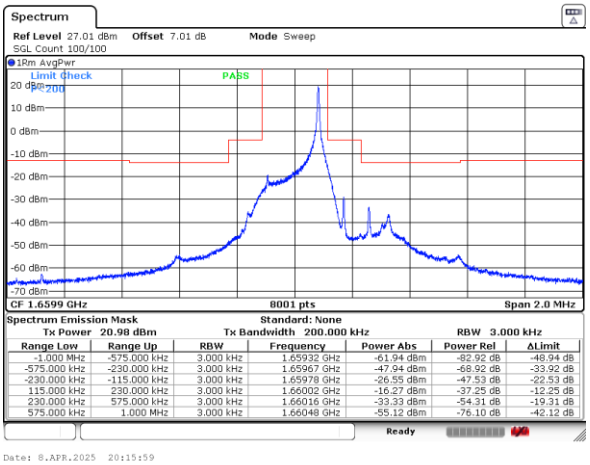

### Middle Channel / 1SC47 / QPSK




### Highest Channel / 1SC47/ BPSK

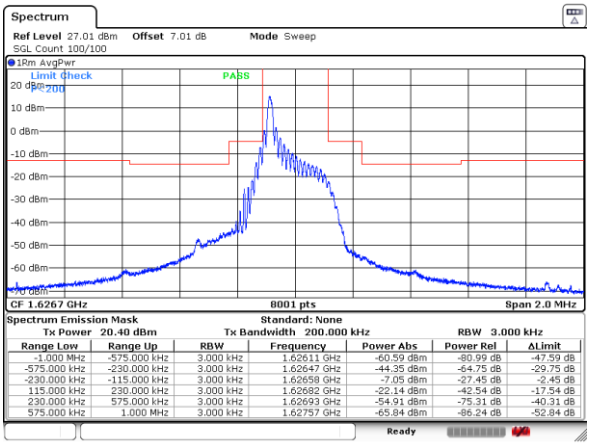



### Highest Channel / 1SC47 / QPSK

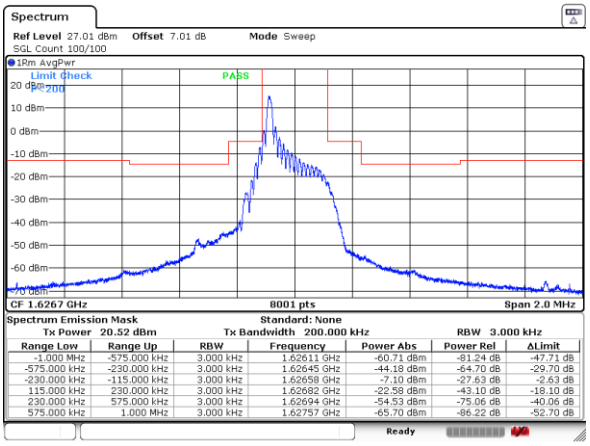


## Band 255 SCS15KHz

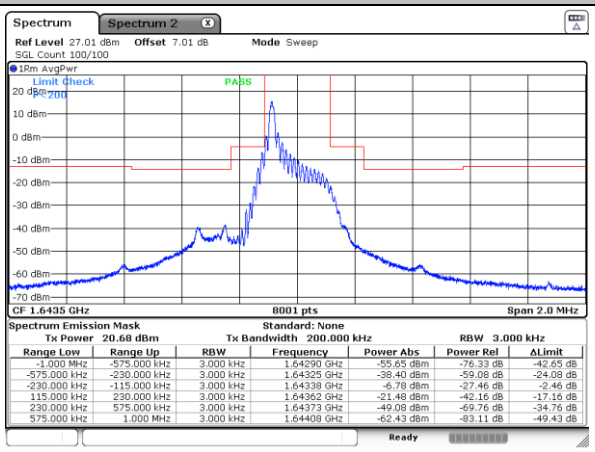
### Lowest Channel / 1SC0/ BPSK



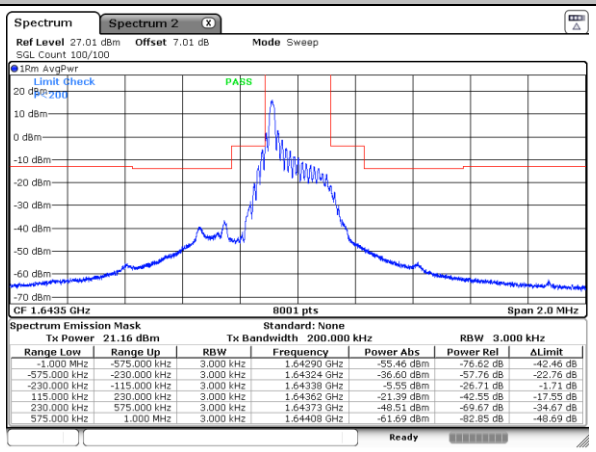

### Lowest Channel / 1SC0 / QPSK



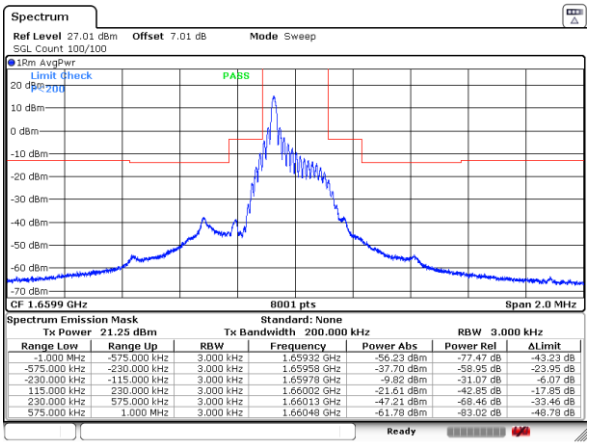

### Middle Channel / 1SC0/ BPSK



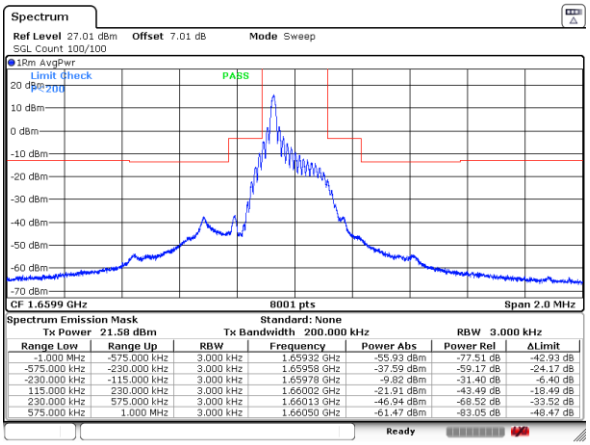

### Middle Channel / 1SC0 / QPSK




### Highest Channel / 1SC0/ BPSK

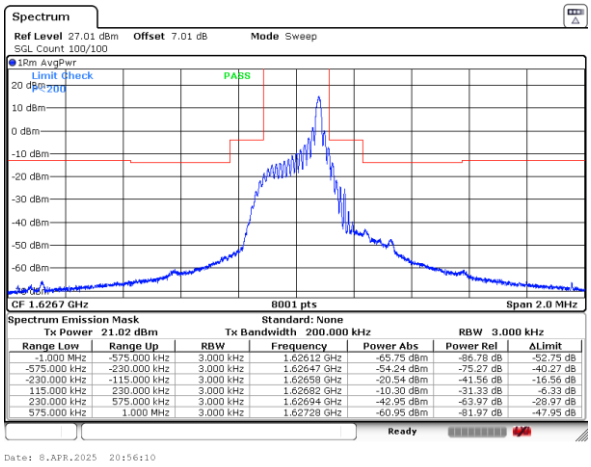



### Highest Channel / 1SC0 / QPSK

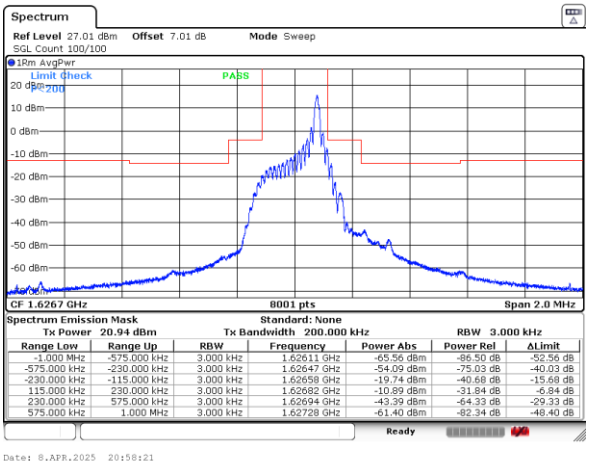


## Band 255 SCS15KHz

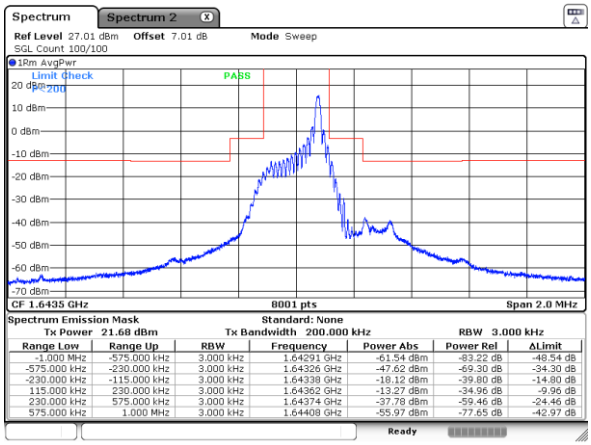
### Lowest Channel / 1SC11/ BPSK



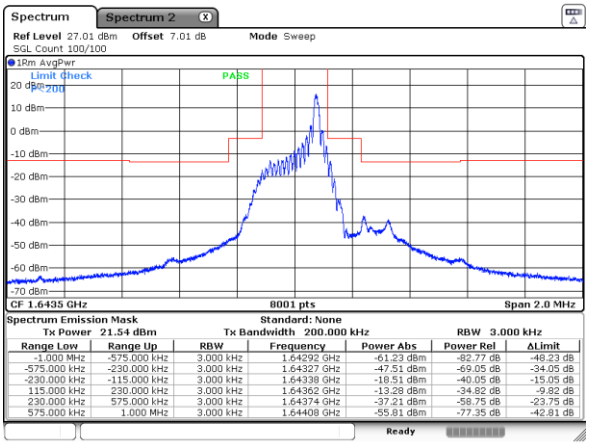

### Lowest Channel / 1SC11 / QPSK



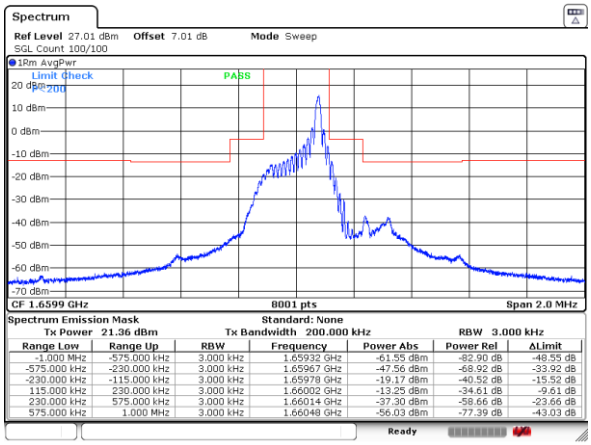

### Middle Channel / 1SC11/ BPSK



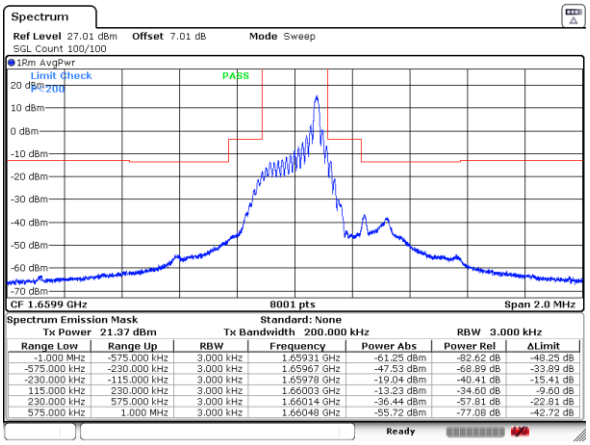

### Middle Channel / 1SC11 / QPSK




### Highest Channel / 1SC11/ BPSK

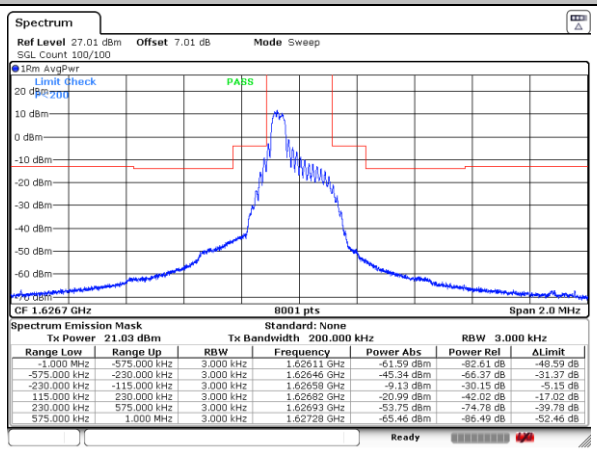



### Highest Channel / 1SC11/ QPSK

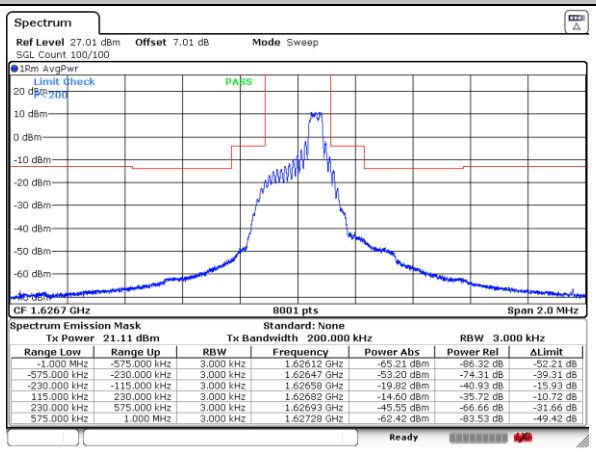


## Band 255 SCS15KHz

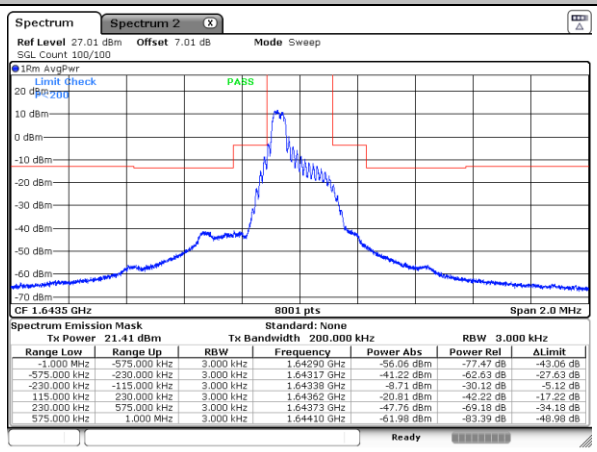
### Lowest Channel / 3SC0 / QPSK



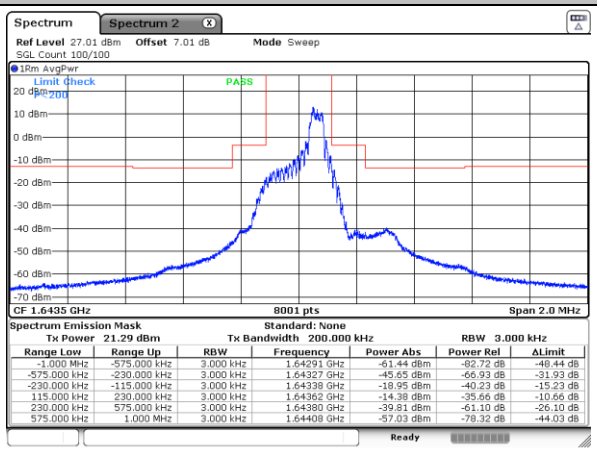

### Lowest Channel / 3SC9 / QPSK



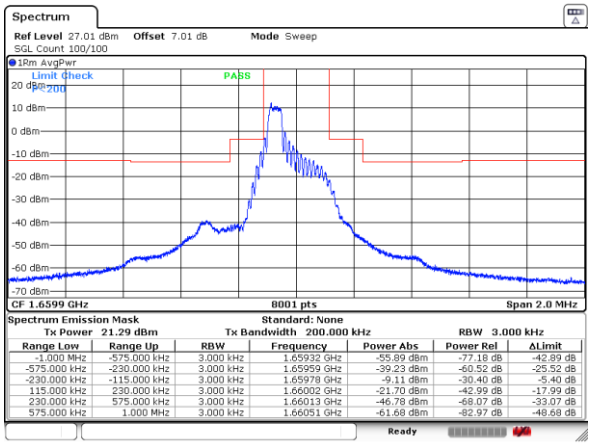

### Middle Channel / 3SC0 / QPSK



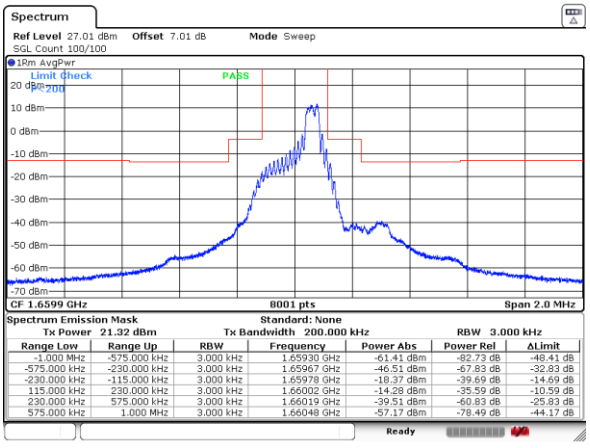

### Middle Channel / 3SC9 / QPSK




### Highest Channel / 3SC0 / QPSK

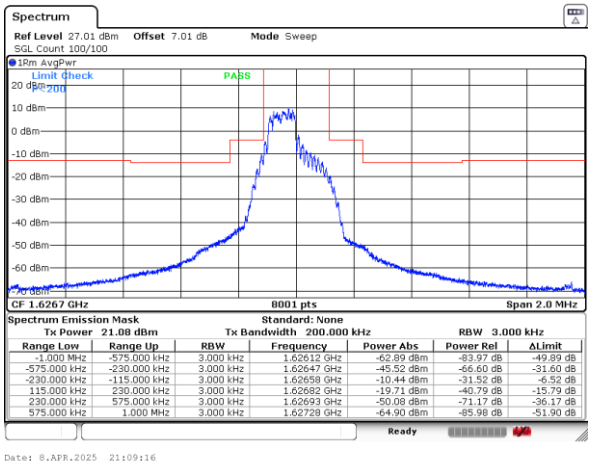



### Highest Channel / 3SC9 / QPSK

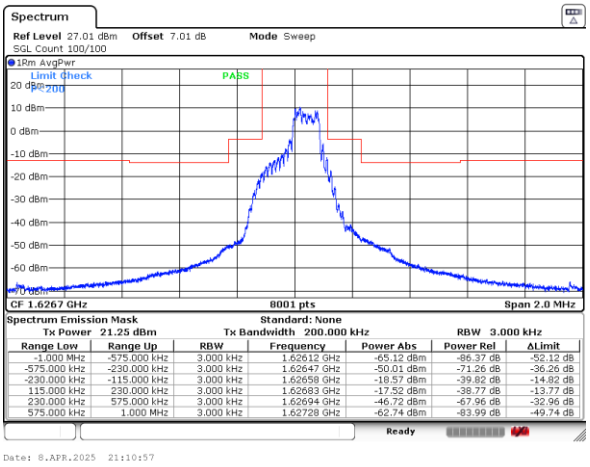


## Band 255 SCS15KHz

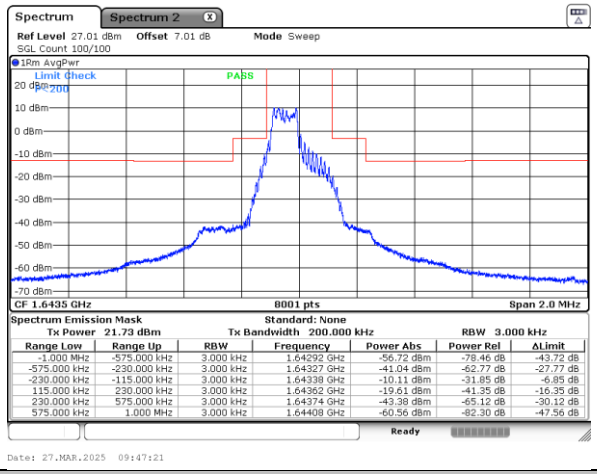
### Lowest Channel / 6SC0/ QPSK



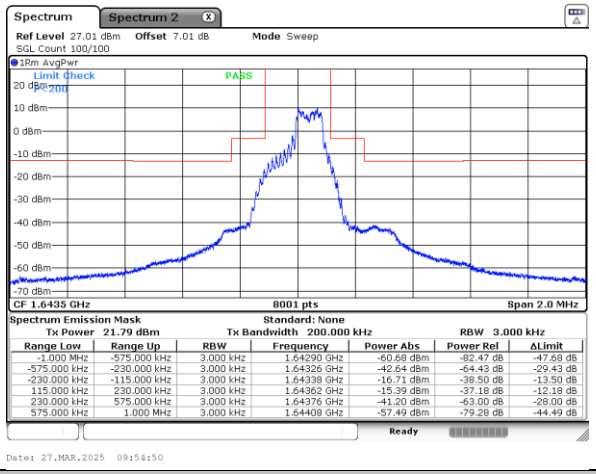

### Lowest Channel / 6SC6 / QPSK



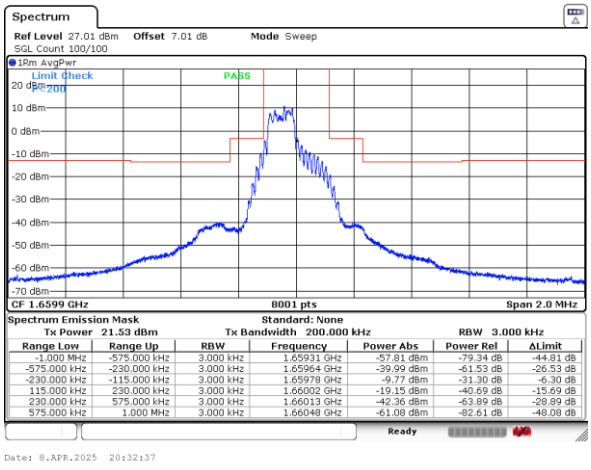

### Middle Channel / 6SC0/ QPSK



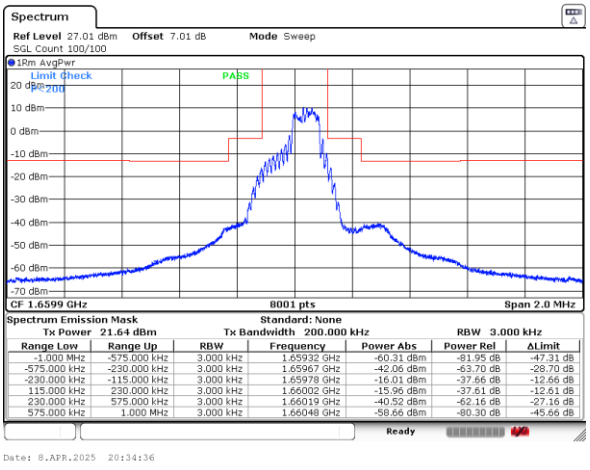

### Middle Channel / 6SC6 / QPSK




### Highest Channel / 6SC0/ QPSK

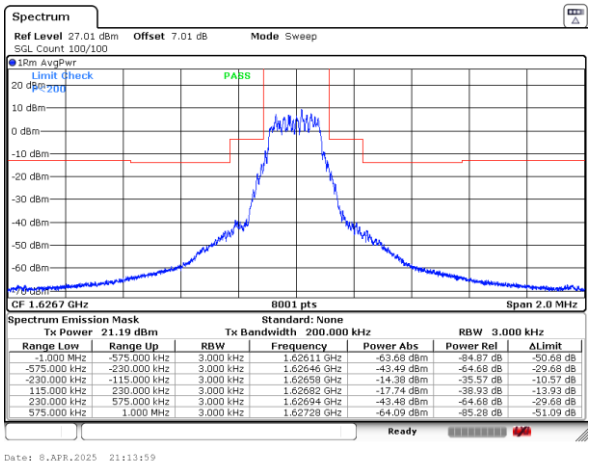



### Highest Channel /6SC6 / QPSK



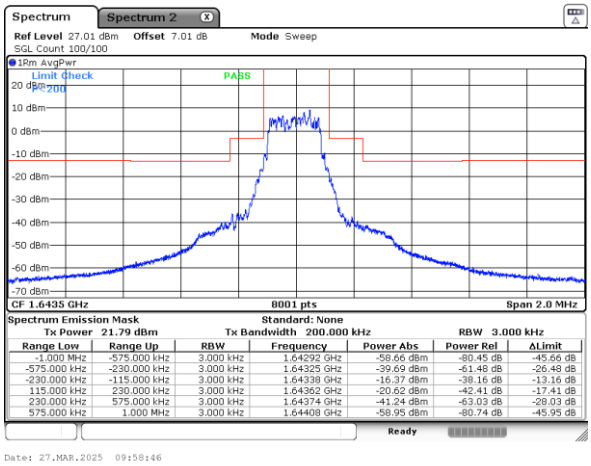
## Band 255 SCS15KHz

### Lowest Channel / 12SC0 / QPSK



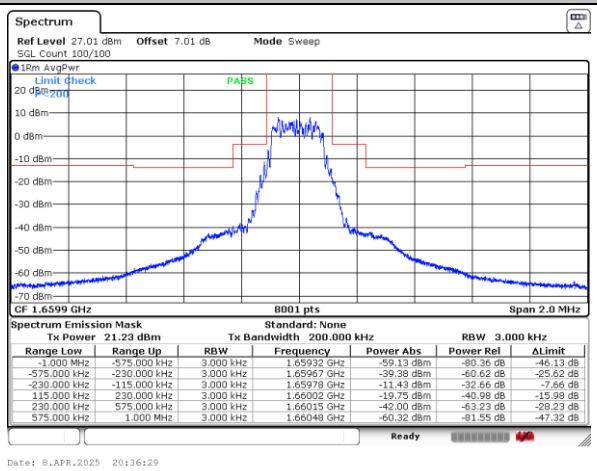

N/A

### Middle Channel /12SC0 / QPSK




N/A

### Highest Channel /12SC0 / QPSK

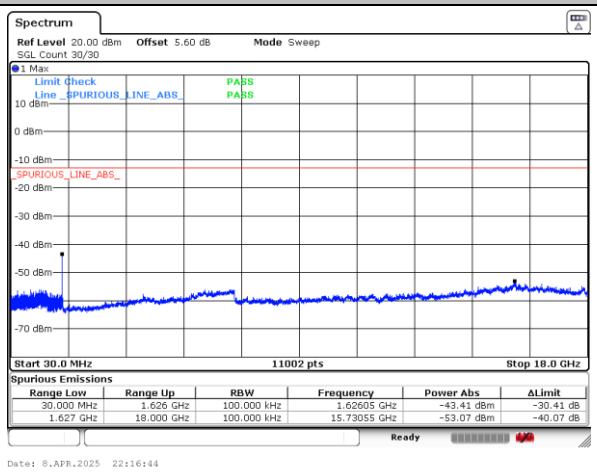



N/A

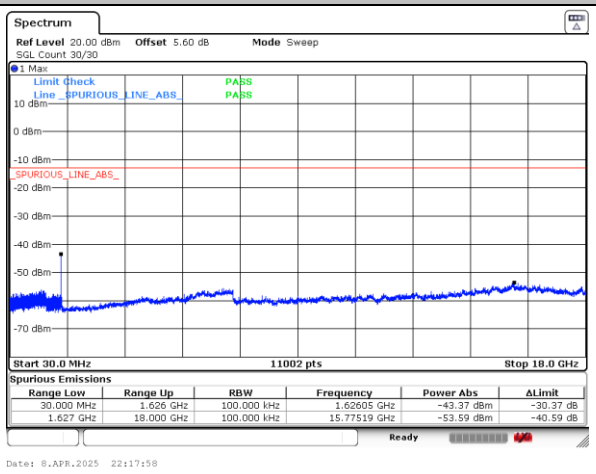
# Conducted Spurious Emission

## Band 255 SCS3.75KHz

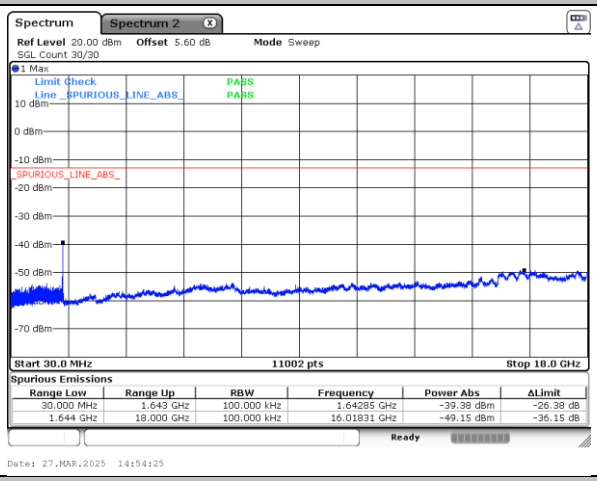
### Lowest Channel / 1SC0/ BPSK



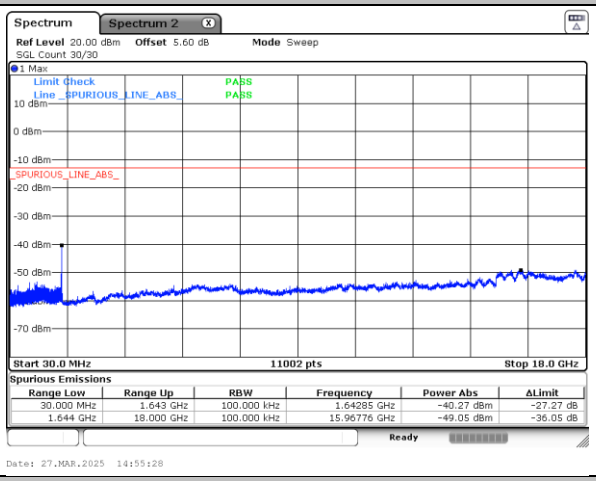

### Lowest Channel / 1SC0 / QPSK



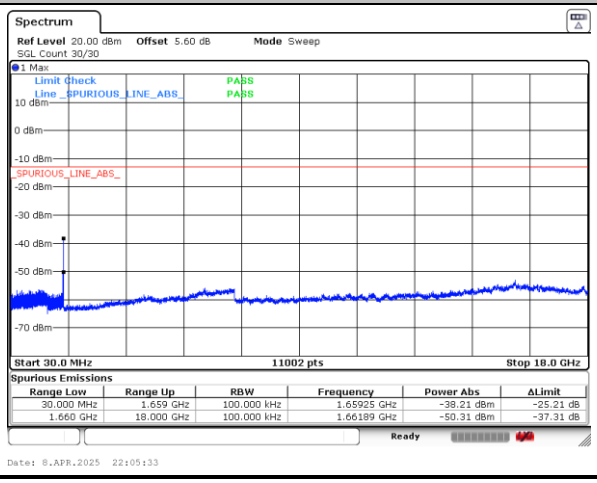

### Middle Channel / 1SC0/ BPSK



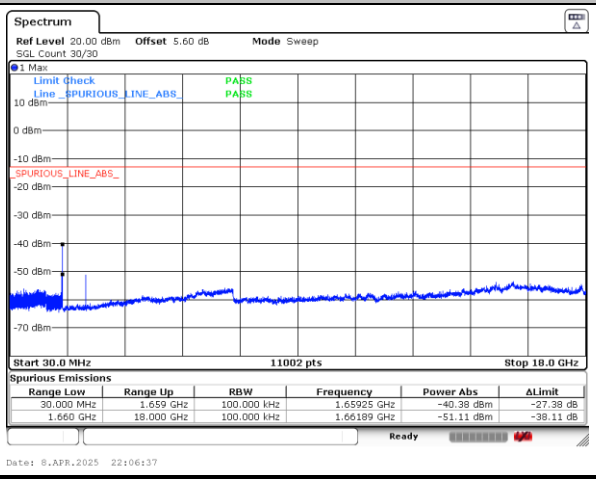

### Middle Channel / 1SC0 / QPSK




### Highest Channel / 1SC0/ BPSK

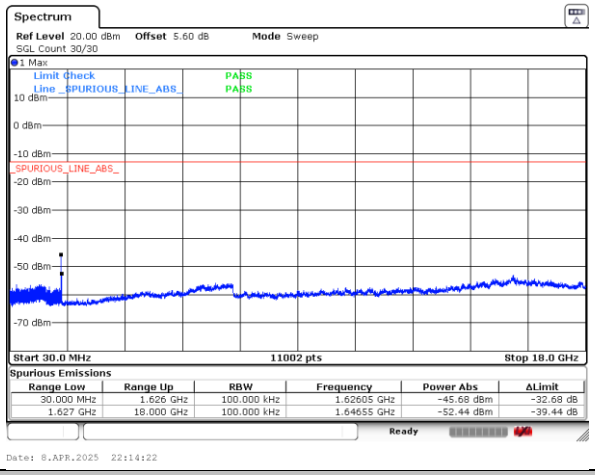



### Highest Channel / 1SC0/ QPSK

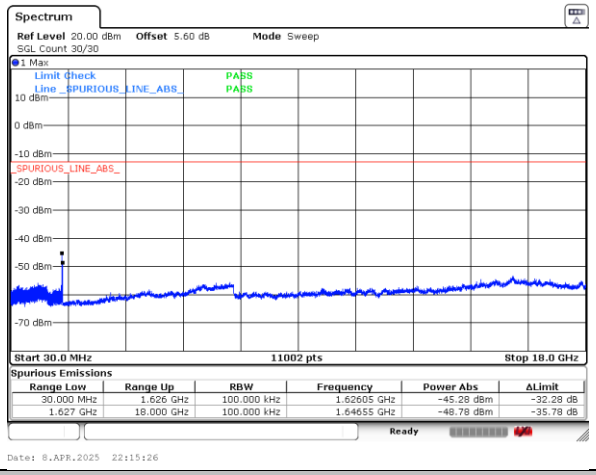


## Band 255 SCS15KHz

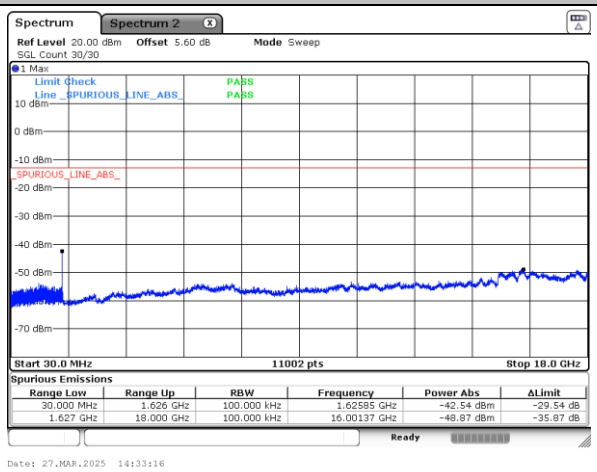
### Lowest Channel / 1SC0/ BPSK



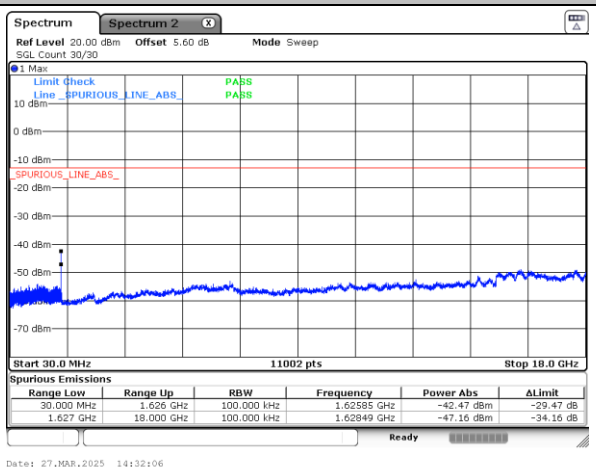

### Lowest Channel / 1SC0 / QPSK



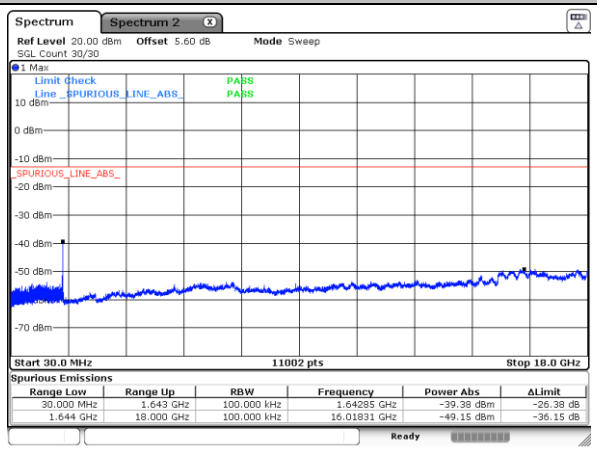

### Middle Channel / 1SC0/ BPSK



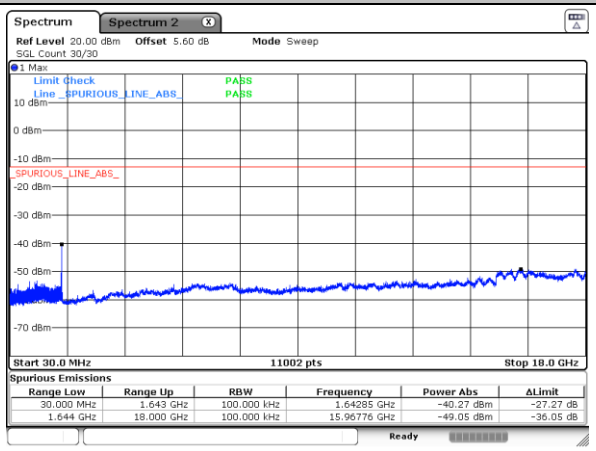

### Middle Channel / 1SC0 / QPSK



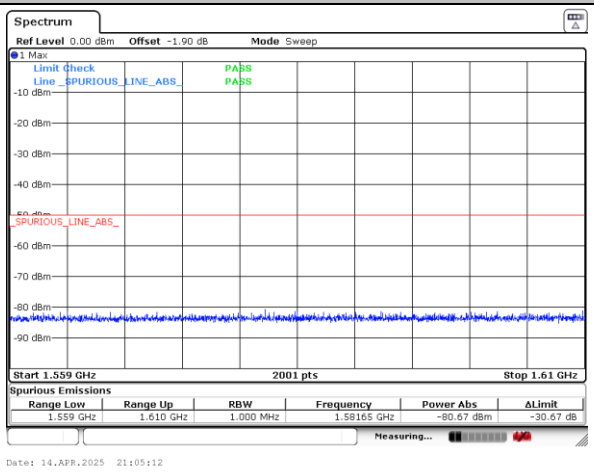

### Highest Channel / 1SC0/ BPSK




### Highest Channel / 1SC0/ QPSK

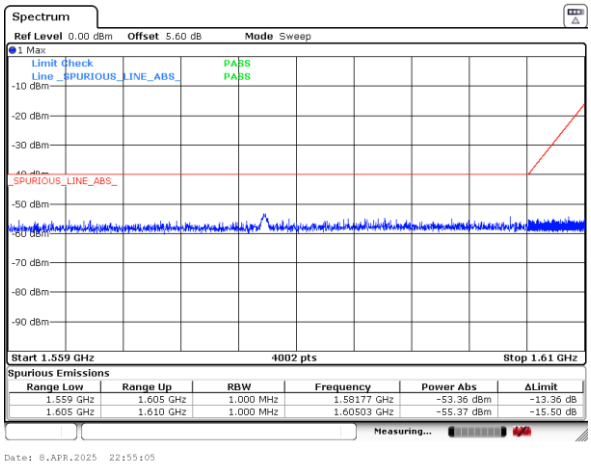


# Emission limits for protection of aeronautical service

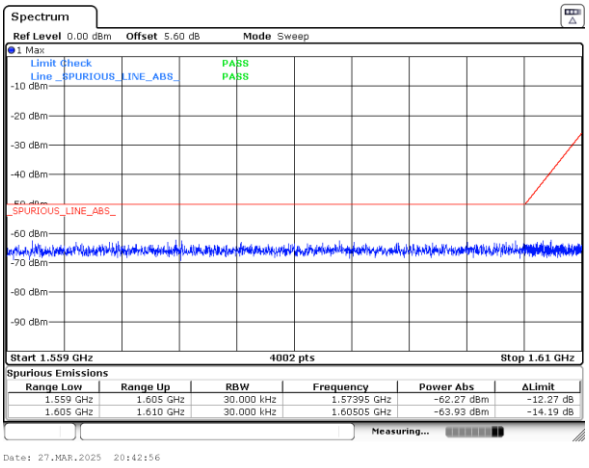
| Band 255 Carrier off |
|---|
|  |

## Band 255 SCS3.75KHz BPSK

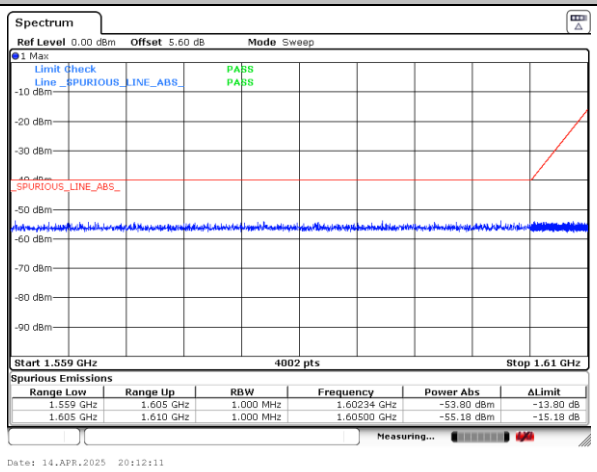
### Lowest Channel / 1SC0 Carrier on



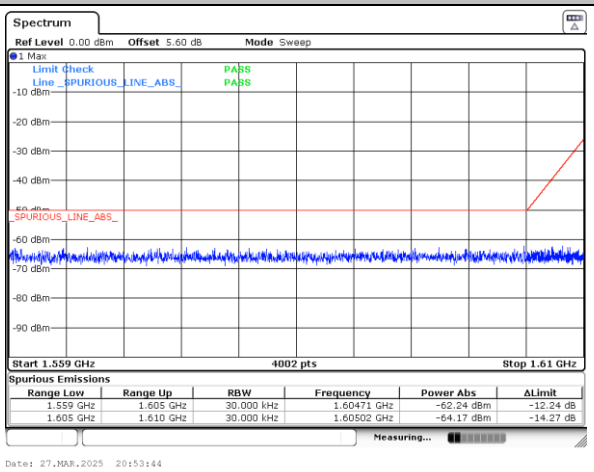

### Lowest Channel / 1SC0 Discrete



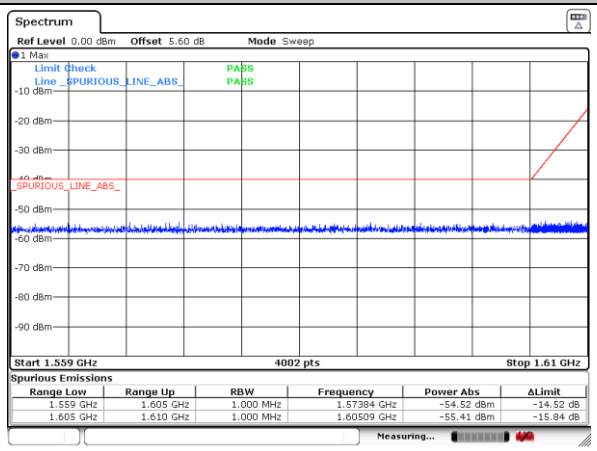

### Middle Channel / 1SC0 Carrier on



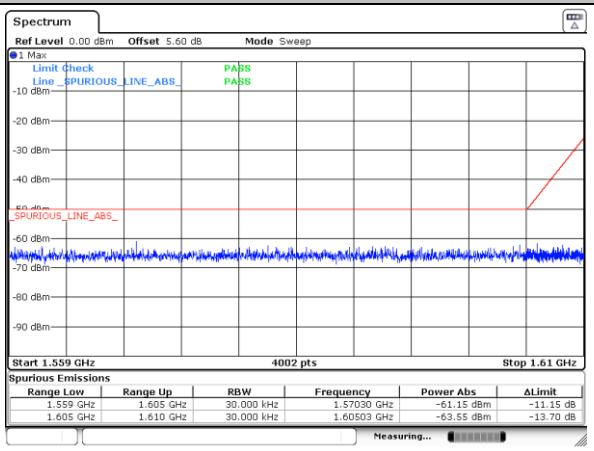

### Middle Channel / 1SC0 Discrete




### Highest Channel / 1SC0 Carrier on

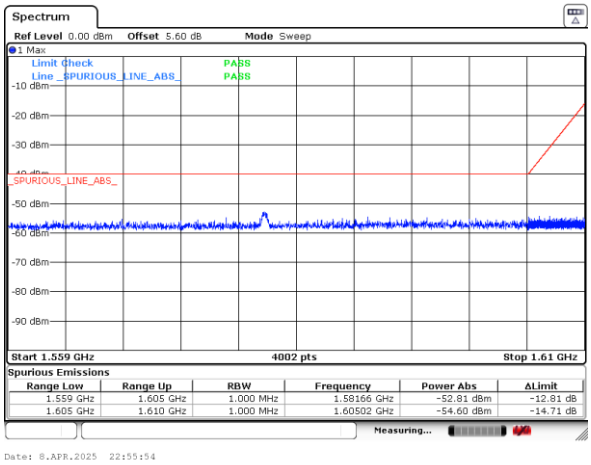



### Highest Channel / 1SC0 Discrete

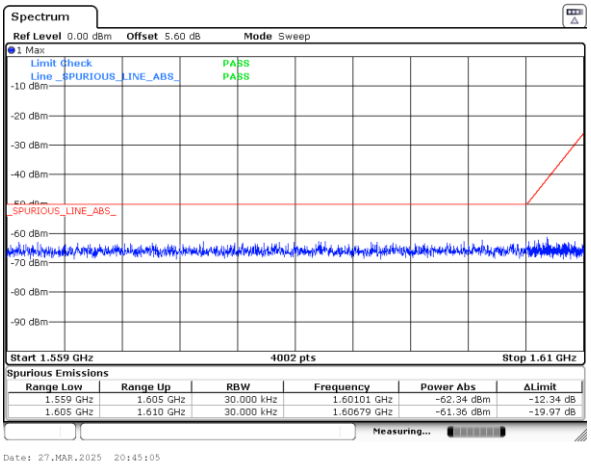


## Band 255 SC3.75KHz QPSK

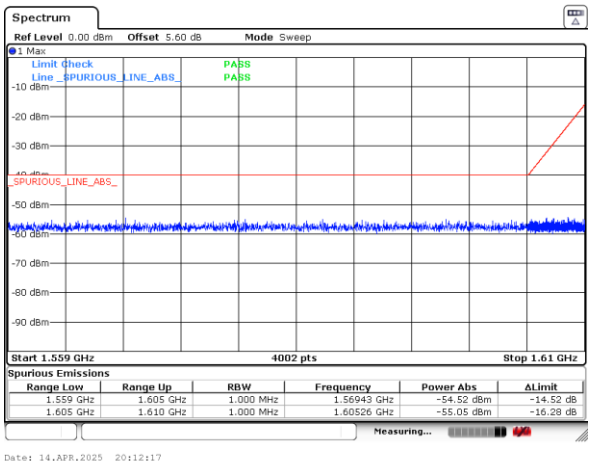
### Lowest Channel / 1SC0 Carrier on



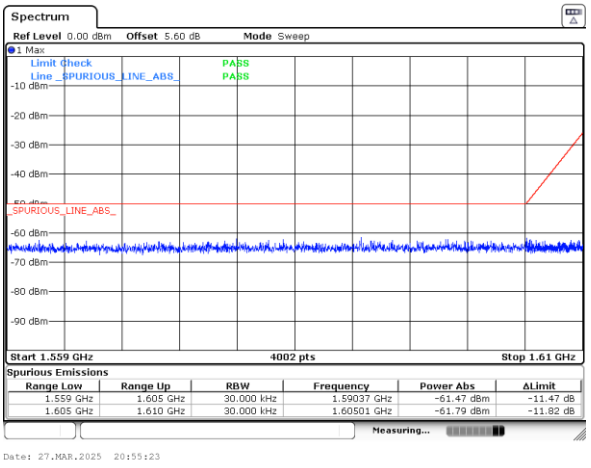

### Lowest Channel / 1SC0 Discrete



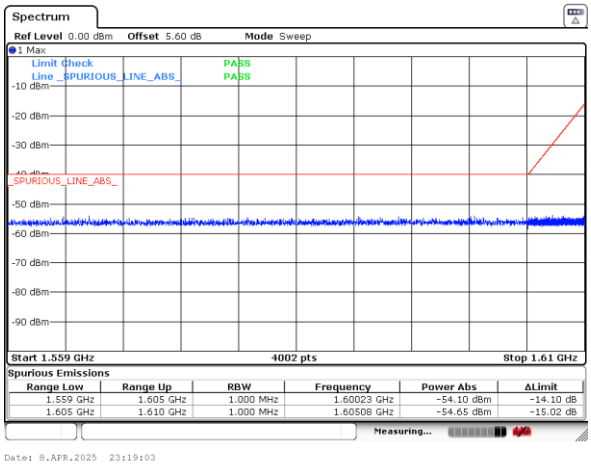

### Middle Channel / 1SC0 Carrier on



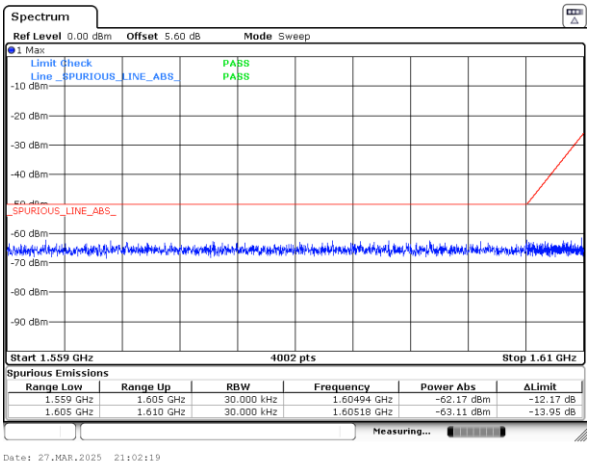

### Middle Channel / 1SC0 Discrete




### Highest Channel / 1SC0 Carrier on

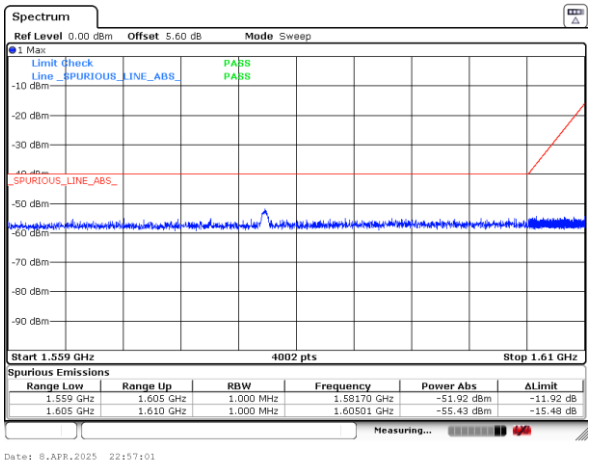



### Highest Channel / 1SC0 Discrete

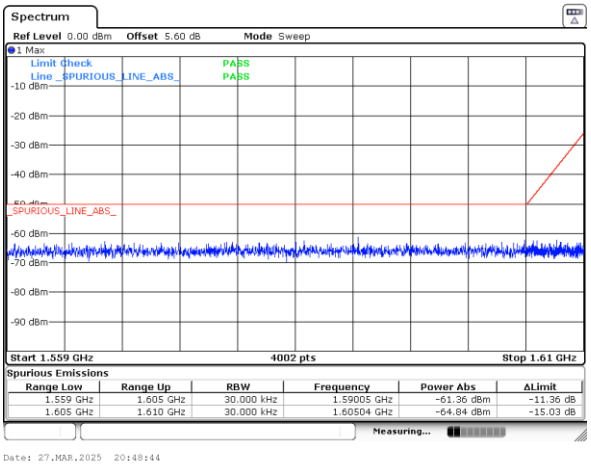


## Band 255 SCS 15KHz BPSK

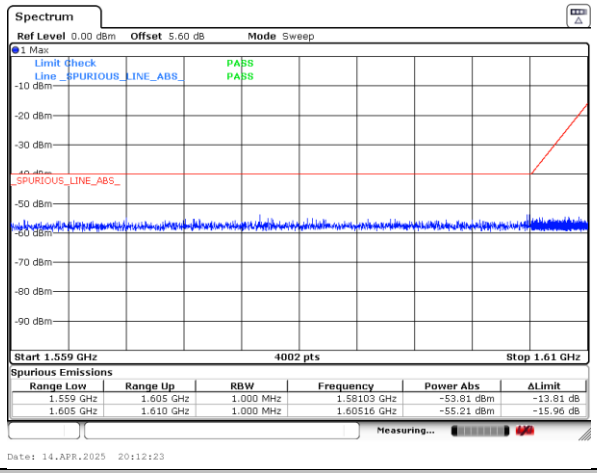
### Lowest Channel / 1SC0 Carrier on



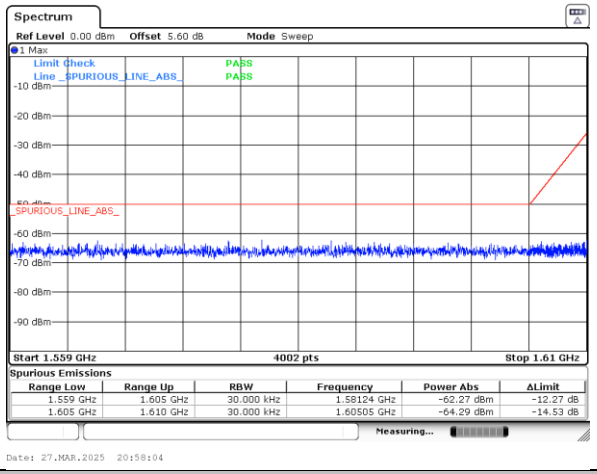

### Lowest Channel / 1SC0 Discrete



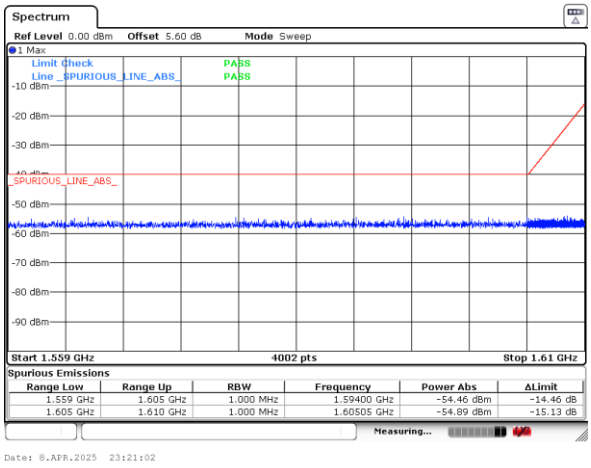

### Middle Channel / 1SC0 Carrier on



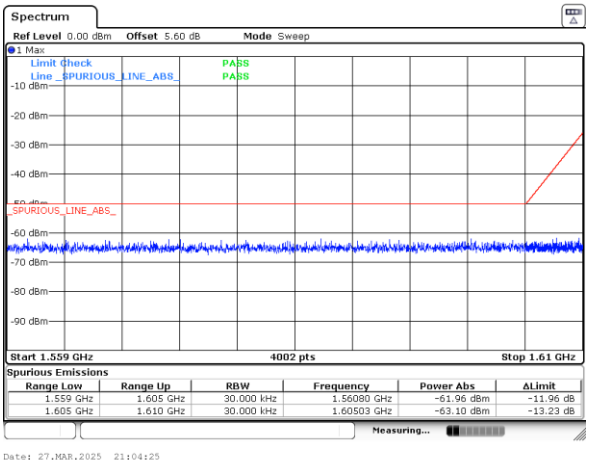

### Middle Channel / 1SC0 Discrete




### Highest Channel / 1SC0 Carrier on

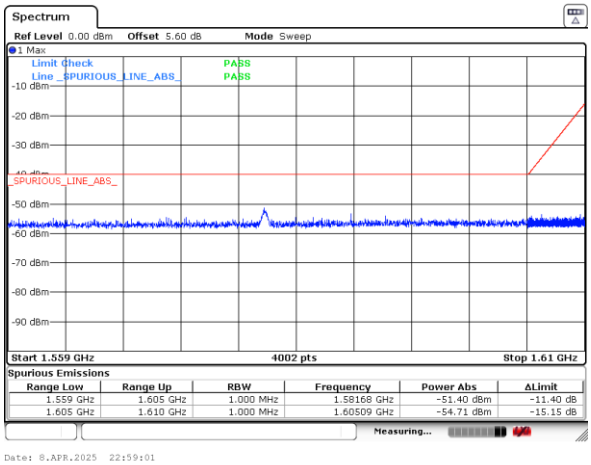



### Highest Channel / 1SC0 Discrete

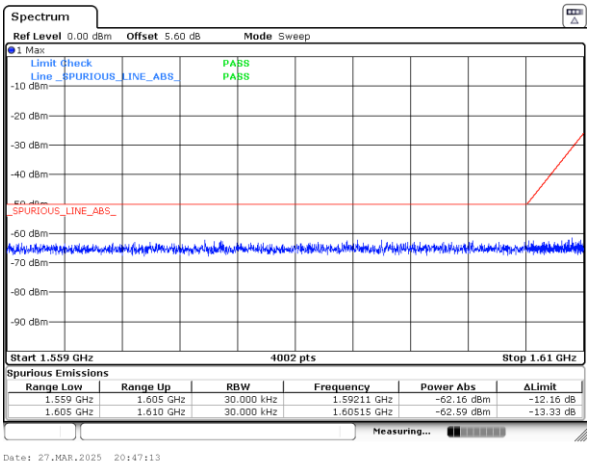


## Band 255 SCS 15KHz QPSK

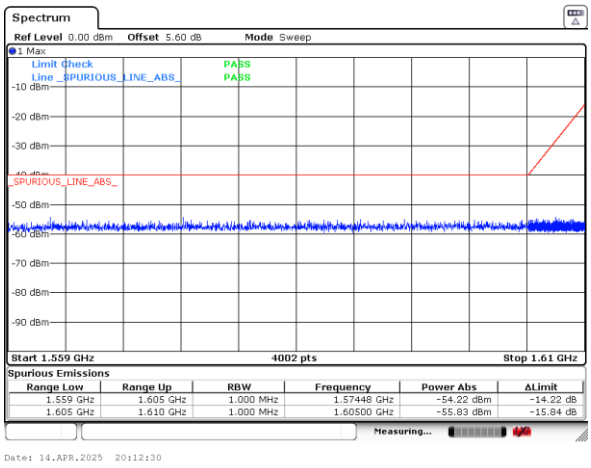
### Lowest Channel / 1SC0 Carrier on



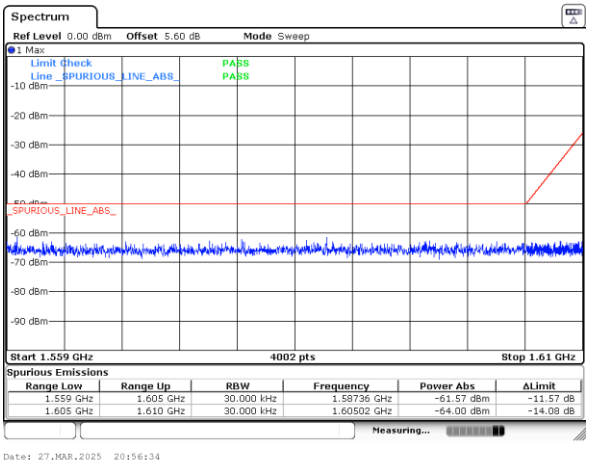

### Lowest Channel / 1SC0 Discrete



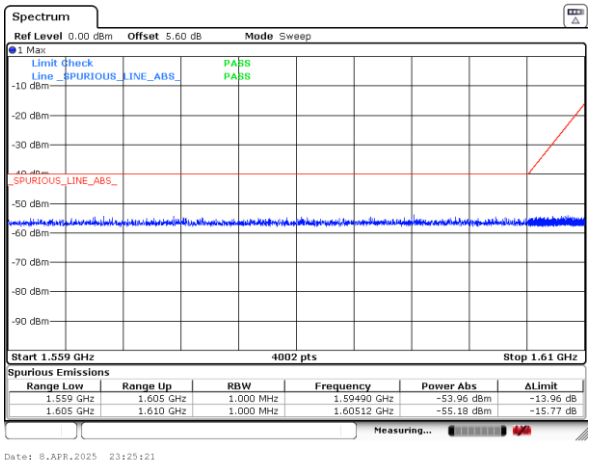

### Middle Channel / 1SC0 Carrier on



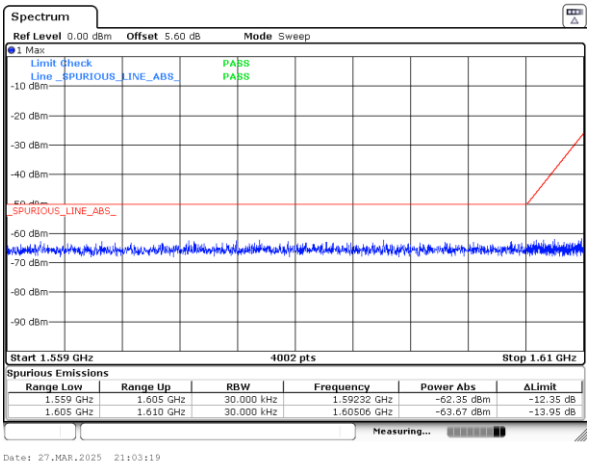

### Middle Channel / 1SC0 Discrete




### Highest Channel / 1SC0 Carrier on




### Highest Channel / 1SC0 Discrete



# Frequency Stability

| Test Conditions | | Band 255 (QPSK) / Middle Channel | Limit |
|---|---|---|---|
| Temperature (°C) | Voltage (Volt) | 3.75 KHz | 10ppm |
| | | Deviation (ppm) | Result |
| 50 | Normal Voltage | 1.4978 | PASS |
| 40 | Normal Voltage | 1.2168 | |
| 30 | Normal Voltage | 1.0558 | |
| 20(Ref.) | Normal Voltage | 0.0000 | |
| 10 | Normal Voltage | 5.1436 | |
| 0 | Normal Voltage | 1.1238 | |
| -10 | Normal Voltage | 1.0648 | |
| -20 | Normal Voltage | 0.7436 | |
| -30 | Normal Voltage | 0.9813 | |
| 20 | Maximum Voltage | 6.6999 | |
| 20 | Normal Voltage | 1.0228 | |
| 20 | Minimum Voltage | 5.1980 | |

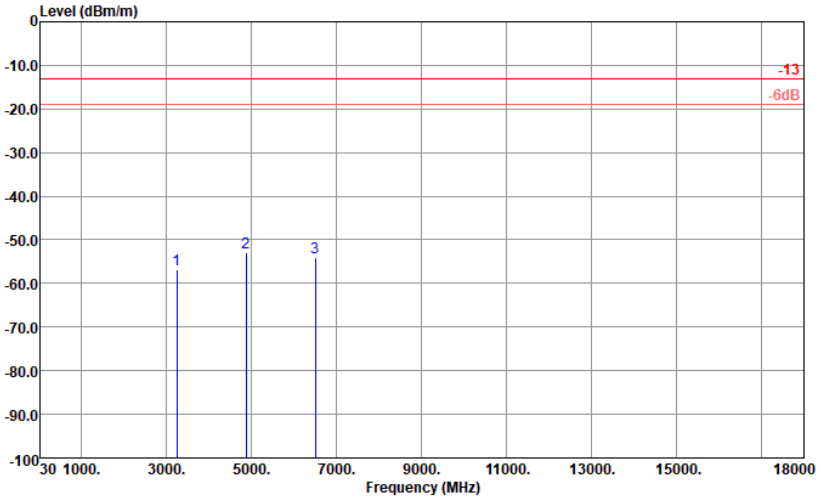
**Note:** Normal Voltage =3.88 V. ; Minimum Voltage =3.6V. ; Maximum Voltage =4.48 V.

# Appendix B. Test Results of Radiated Test

| Sample | Standard | Test Mode | Channel | Traffic / Idle | Harmonic Margin(dB) | Result |
|---|---|---|---|---|---|---|
| 359117430095454 #14 | Part 25 | Band 255 3.75KHz BPSK 1SC0 | 261506 | Traffic | Under Limit 39.88 dB | Pass |
| | | | 261674 | Traffic | Under Limit 40.03 dB | Pass |
| | | | 261838 | Traffic | Under Limit 40.88 dB | Pass |
| | | Band 255 3.75KHz BPSK 1SC47 | 261506 | Traffic | Under Limit 40.08 dB | Pass |
| | | | 261674 | Traffic | Under Limit 40.82 dB | Pass |
| | | | 261838 | Traffic | Under Limit 41.09 dB | Pass |
| | | Band 255 3.75KHz QPSK 1SC0 | 261506 | Traffic | Under Limit 40.56 dB | Pass |
| | | | 261674 | Traffic | Under Limit 39.17 dB | Pass |
| | | | 261838 | Traffic | Under Limit 41.19 dB | Pass |
| | | Band 255 3.75KHz QPSK 1SC47 | 261506 | Traffic | Under Limit 40 dB | Pass |
| | | | 261674 | Traffic | Under Limit 40.72 dB | Pass |
| | | | 261838 | Traffic | Under Limit 41.19 dB | Pass |
| | | Band 255 15KHz BPSK 1SC0 | 261506 | Traffic | Under Limit 40.22 dB | Pass |
| | | | 261674 | Traffic | Under Limit 39.34 dB | Pass |
| | | | 261838 | Traffic | Under Limit 40.86 dB | Pass |
| | | Band 255 15KHz BPSK 1SC11 | 261506 | Traffic | Under Limit 40.32 dB | Pass |
| | | | 261674 | Traffic | Under Limit 40.61 dB | Pass |
| | | | 261838 | Traffic | Under Limit 40.99 dB | Pass |
| | | Band 255 15KHz QPSK 1SC0 | 261506 | Traffic | Under Limit 40.08 dB | Pass |
| | | | 261674 | Traffic | Under Limit 38.51 dB | Pass |
| | | | 261838 | Traffic | Under Limit 40.70 dB | Pass |
| | | Band 255 15KHz QPSK 1SC11 | 261506 | Traffic | Under Limit 39.53 dB | Pass |
| | | | 261674 | Traffic | Under Limit 40.87 dB | Pass |
| | | | 261838 | Traffic | Under Limit 40.56 dB | Pass |
| | | Band 255 15KHz QPSK 3SC0 | 261506 | Traffic | Under Limit 36.23 dB | Pass |
| | | | 261674 | Traffic | Under Limit 36.62 dB | Pass |
| | | | 261838 | Traffic | Under Limit 40.20 dB | Pass |
| | | Band 255 15KHz QPSK 3SC9 | 261506 | Traffic | Under Limit 35.75 dB | Pass |
| | | | 261674 | Traffic | Under Limit 36.93 dB | Pass |
| | | | 261838 | Traffic | Under Limit 40.33 dB | Pass |
| | | Band 255 15KHz QPSK 6CS0 | 261506 | Traffic | Under Limit 38.83 dB | Pass |
| | | | 261674 | Traffic | Under Limit 37.83 dB | Pass |
| | | | 261838 | Traffic | Under Limit 40.85 dB | Pass |
| | | Band 255 15KHz QPSK 6CS6 | 261506 | Traffic | Under Limit 37.35 dB | Pass |
| | | | 261674 | Traffic | Under Limit 36.43 dB | Pass |
| | | | 261838 | Traffic | Under Limit 40.99 dB | Pass |
| | | Band 255 15KHz QPSK 12CS0 | 261506 | Traffic | Under Limit 38.33 dB | Pass |
| | | | 261674 | Traffic | Under Limit 39.02 dB | Pass |
| | | | 261838 | Traffic | Under Limit 40.83 dB | Pass |

# Test Data

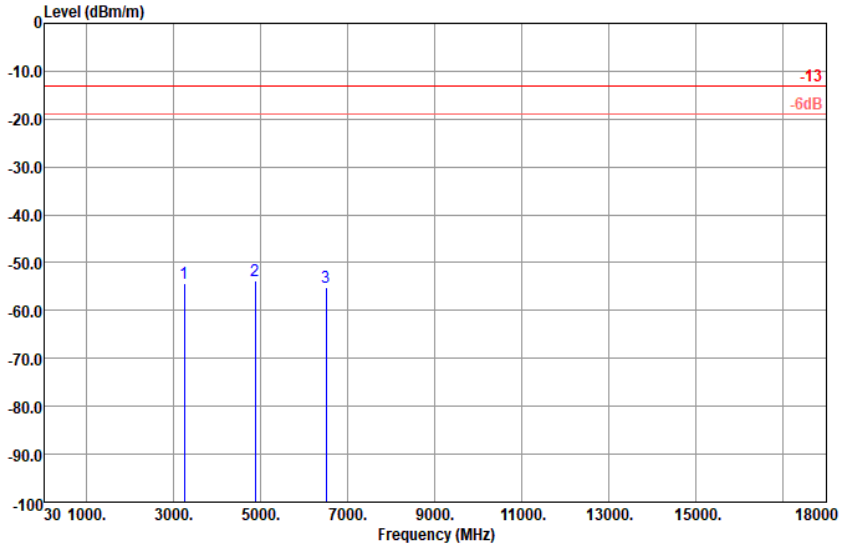
| Mode : | Band 255<br>3.75KHz BPSK 1SC0-Channel 261506 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization: | Horizontal |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 HORIZONTAL
Project : (FG)512406
Mode : 1
SN : #14
Plane : Z
: FULL--directivity
: 3.75KHz BPSK 1SC0

| | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|
| | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | 3255. | -56.81 | -43.81 | -13.00 | -72.96 | HORIZONTAL |
| 2 p | 4875. | -52.88 | -39.88 | -13.00 | -73.27 | HORIZONTAL |
| 3 | 6510. | -54.17 | -41.17 | -13.00 | -75.44 | HORIZONTAL |

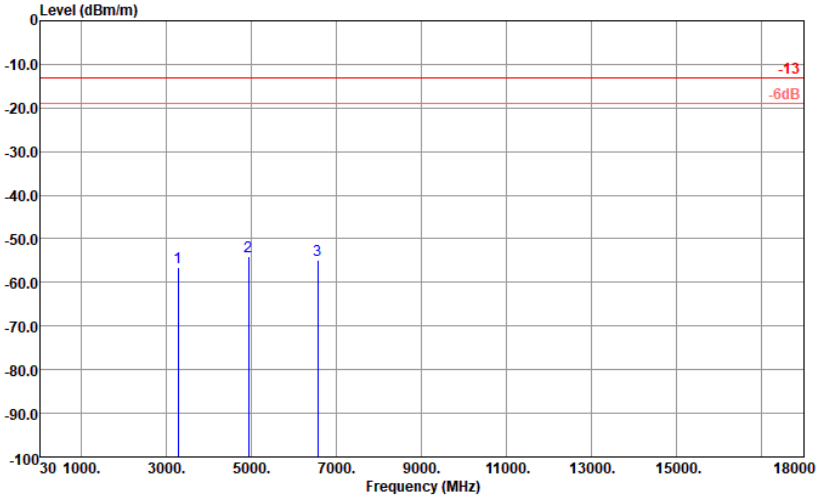
| Mode : | Band 255<br>3.75KHz BPSK 1SC0-Channel 261506 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization: | VERTICAL |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 VERTICAL
Project : (FG)512406
Mode : 1
SN : #14
Plane : Z
: FULL--directivity
: 3.75KHz BPSK 1SC0

| | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|
| | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | 3255. | -54.28 | -41.28 | -13.00 | -70.49 | VERTICAL |
| 2 p | 4875. | -53.78 | -40.78 | -13.00 | -74.20 | VERTICAL |
| 3 | 6510. | -55.06 | -42.06 | -13.00 | -76.25 | VERTICAL |

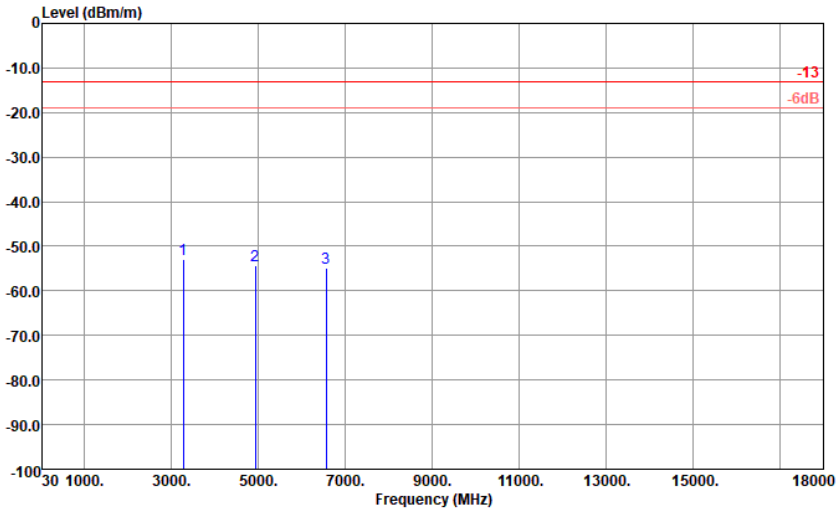
| Mode : | Band 255<br>3.75KHz BPSK 1SC0-Channel 261674 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization: | Horizontal |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 HORIZONTAL
Project : (FG)512406
Mode : 1
SN : #14
Plane : Z
: FULL--directivity
: 3.75KHz BPSK 1SC0

| | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|
| | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | 3285. | -56.44 | -43.44 | -13.00 | -72.57 | HORIZONTAL |
| 2 p | 4935. | -54.16 | -41.16 | -13.00 | -74.69 | HORIZONTAL |
| 3 | 6570. | -54.84 | -41.84 | -13.00 | -76.24 | HORIZONTAL |

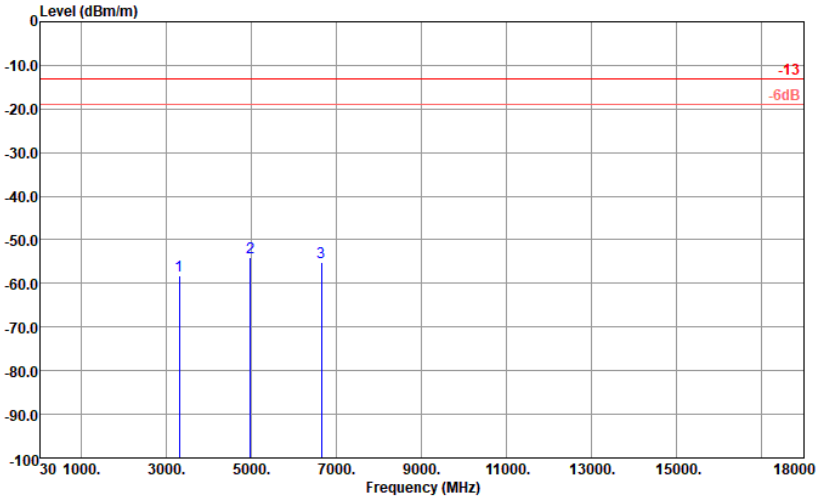
| | | | |
|---|---|---|---|
| **Mode :** | Band 255<br>3.75KHz BPSK 1SC0-Channel 261674 | **Sample :** | #14 |
| **Test Engineer:** | Bernie Liu | **Polarization:** | VERTICAL |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 VERTICAL
Project : (FG)512406
Mode : 1
SN : #14
Plane : Z
: FULL--directivity
: 3.75KHz BPSK 1SC0

| | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|
| | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 p | 3285. | -53.03 | -40.03 | -13.00 | -69.21 | VERTICAL |
| 2 | 4935. | -54.18 | -41.18 | -13.00 | -74.64 | VERTICAL |
| 3 | 6570. | -54.99 | -41.99 | -13.00 | -76.33 | VERTICAL |

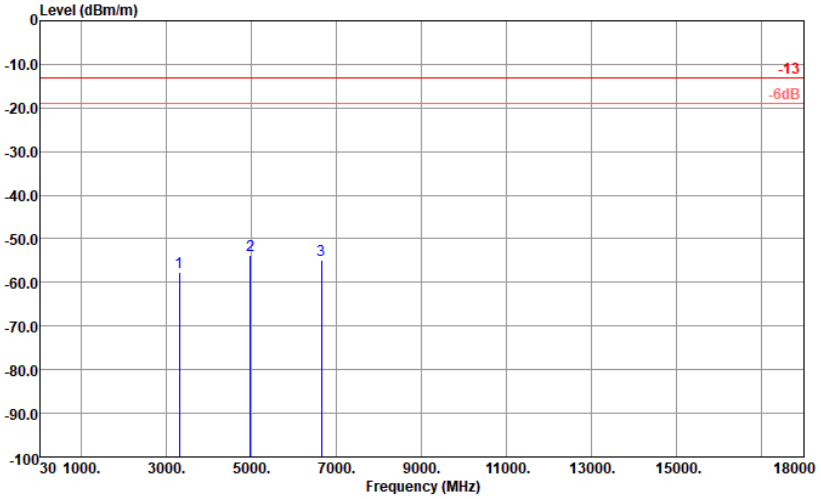
| Mode : | Band 255<br>3.75KHz BPSK 1SC0-Channel261838 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization: | Horizontal |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 HORIZONTAL
Project : (FG)512406
Mode : 1
SN : #14
Plane : Z
: FULL--directivity
: 3.75KHz BPSK 1SC0

| | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|
| | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | 3315. | -58.22 | -45.22 | -13.00 | -74.34 | HORIZONTAL |
| 2 p | 4980. | -54.12 | -41.12 | -13.00 | -74.79 | HORIZONTAL |
| 3 | 6645. | -55.16 | -42.16 | -13.00 | -76.71 | HORIZONTAL |

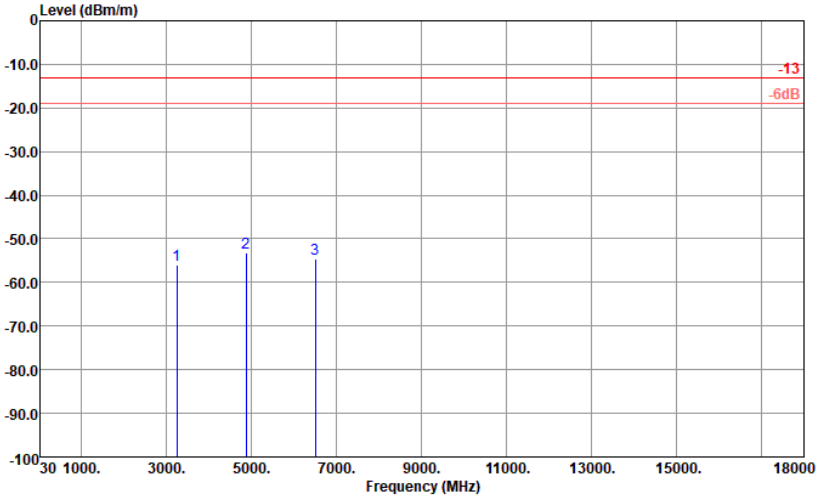
| Mode : | Band 255 BW 20M<br>3.75KHz BPSK 1SC0-Channel261838 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization: | VERTICAL |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 VERTICAL
Project : (FG)512406
Mode : 1
SN : #14
Plane : Z
: FULL--directivity
: 3.75KHz BPSK 1SC0

| | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|
| | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | 3315. | -57.77 | -44.77 | -13.00 | -73.91 | VERTICAL |
| 2 p | 4980. | -53.88 | -40.88 | -13.00 | -74.38 | VERTICAL |
| 3 | 6645. | -54.89 | -41.89 | -13.00 | -76.38 | VERTICAL |

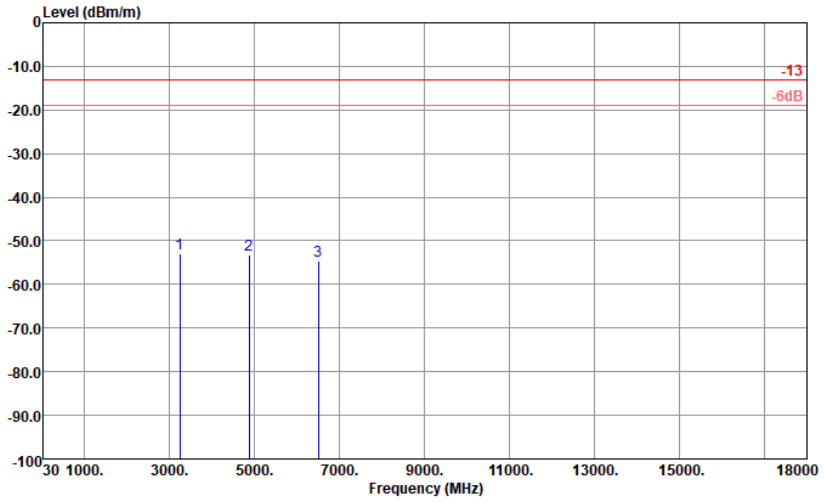
| Mode : | Band 255<br>3.75KHz BPSK 1SC47 -Channel 261506 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization : | Horizontal |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 HORIZONTAL
Project : (FG)512406
Mode : 2
SN : #14
Plane : Z
: FULL--directivity
: 3.75KHz BPSK 1SC47

| | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|
| | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | 3255. | -56.06 | -43.06 | -13.00 | -72.21 | HORIZONTAL |
| 2 p | 4875. | -53.08 | -40.08 | -13.00 | -73.47 | HORIZONTAL |
| 3 | 6510. | -54.47 | -41.47 | -13.00 | -75.74 | HORIZONTAL |

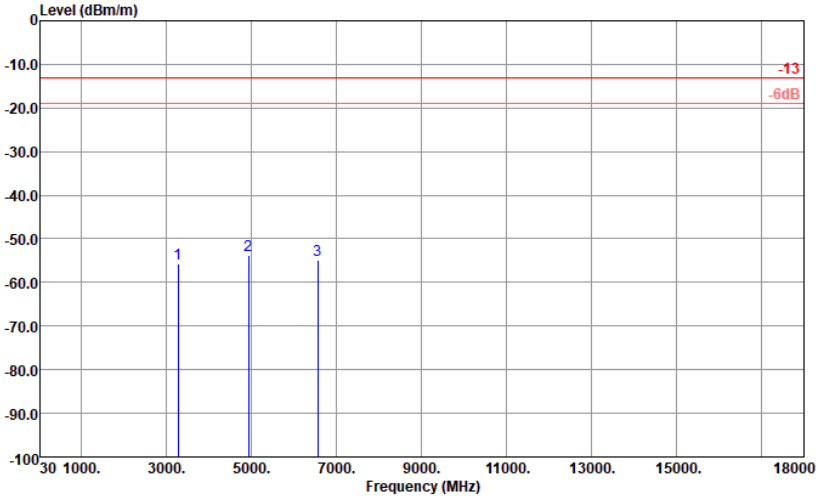
| Mode : | Band 255<br>3.75KHz BPSK 1SC47–Channel261506 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization : | VERTICAL |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 VERTICAL
Project : (FG)512406
Mode : 2
SN : #14
Plane : Z
: FULL--directivity
: 3.75KHz BPSK 1SC47

| | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|
| | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 p | 3255. | -53.00 | -40.00 | -13.00 | -69.21 | VERTICAL |
| 2 | 4875. | -53.26 | -40.26 | -13.00 | -73.68 | VERTICAL |
| 3 | 6510. | -54.67 | -41.67 | -13.00 | -75.86 | VERTICAL |

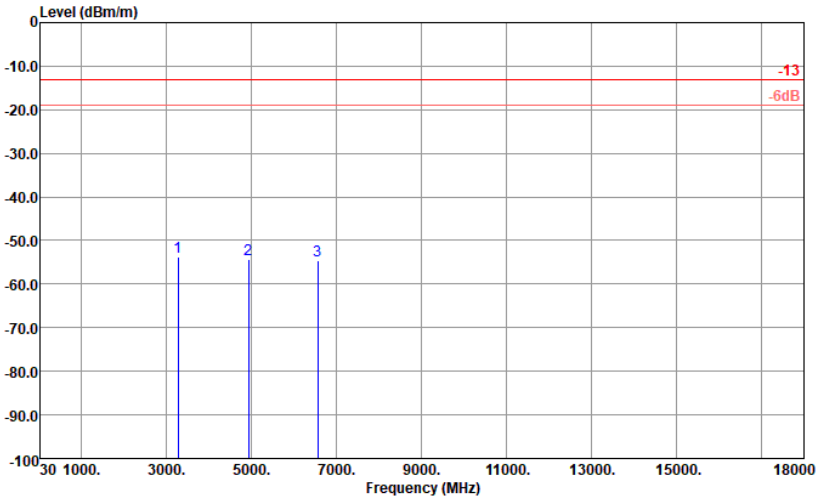
| Mode : | Band 255<br>3.75KHz BPSK 1SC47-Channel261674 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization : | Horizontal |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 HORIZONTAL
Project : (FG)512406
Mode : 2
SN : #14
Plane : Z
: FULL--directivity
: 3.75KHz BPSK 1SC47

| | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|
| | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | 3285. | -55.64 | -42.64 | -13.00 | -71.77 | HORIZONTAL |
| 2 p | 4935. | -53.90 | -40.90 | -13.00 | -74.43 | HORIZONTAL |
| 3 | 6570. | -54.84 | -41.84 | -13.00 | -76.24 | HORIZONTAL |

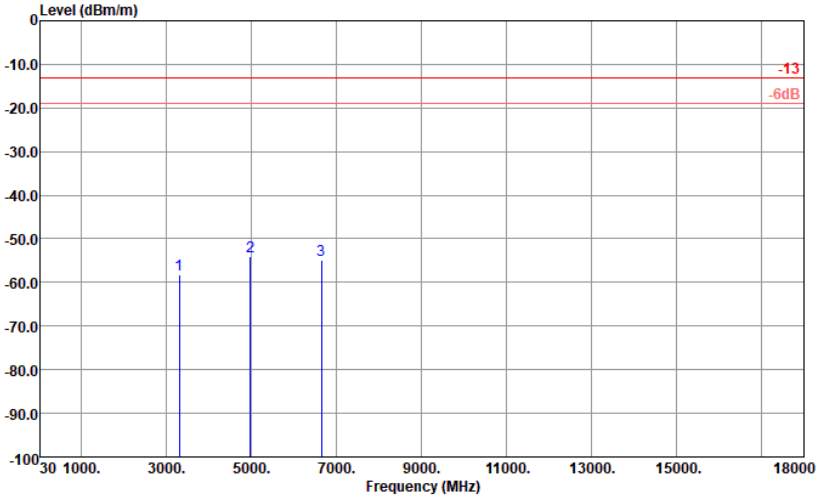
| | | | |
|---|---|---|---|
| **Mode :** | Band 255<br>3.75KHz BPSK 1SC47 –Channel261674 | **Sample :** | #14 |
| **Test Engineer:** | Bernie Liu | **Polarization :** | VERTICAL |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 VERTICAL
Project : (FG)512406
Mode : 2
SN : #14
Plane : Z
: FULL--directivity
: 3.75KHz BPSK 1SC47

| | | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|---|
| | | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | p | 3285. | -53.82 | -40.82 | -13.00 | -70.00 | VERTICAL |
| 2 | | 4935. | -54.19 | -41.19 | -13.00 | -74.65 | VERTICAL |
| 3 | | 6570. | -54.70 | -41.70 | -13.00 | -76.04 | VERTICAL |

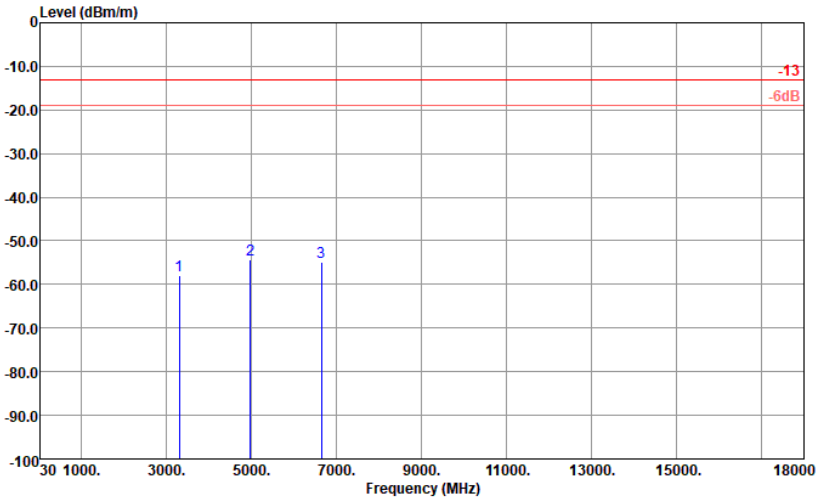
| | | | |
|---|---|---|---|
| **Mode :** | Band 255<br>3.75KHz BPSK 1SC47-Channel261838 | **Sample :** | #14 |
| **Test Engineer:** | Bernie Liu | **Polarization :** | Horizontal |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 HORIZONTAL
Project : (FG)512406
Mode : 2
SN : #14
Plane : Z
: FULL--directivity
: 3.75KHz BPSK 1SC47

| | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|
| | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | 3315. | -58.30 | -45.30 | -13.00 | -74.42 | HORIZONTAL |
| 2 p | 4980. | -54.09 | -41.09 | -13.00 | -74.76 | HORIZONTAL |
| 3 | 6645. | -54.79 | -41.79 | -13.00 | -76.34 | HORIZONTAL |

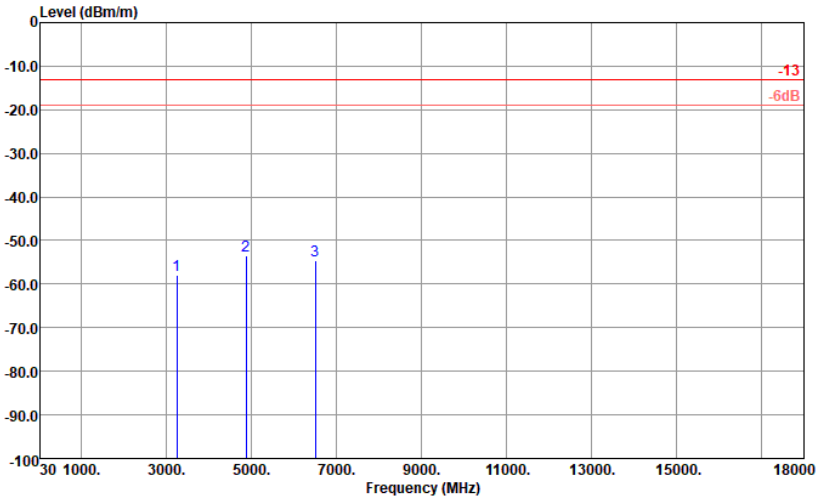
| | | | |
|---|---|---|---|
| **Mode :** | Band 255<br>3.75KHz BPSK 1SC47-Channel261838 | **Sample :** | #14 |
| **Test Engineer:** | Bernie Liu | **Polarization :** | VERTICAL |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 VERTICAL
Project : (FG)512406
Mode : 2
SN : #14
Plane : Z
: FULL--directivity
: 3.75KHz BPSK 1SC47

| | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|
| | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | 3315. | -57.86 | -44.86 | -13.00 | -74.00 | VERTICAL |
| 2 p | 4980. | -54.22 | -41.22 | -13.00 | -74.72 | VERTICAL |
| 3 | 6645. | -54.97 | -41.97 | -13.00 | -76.46 | VERTICAL |

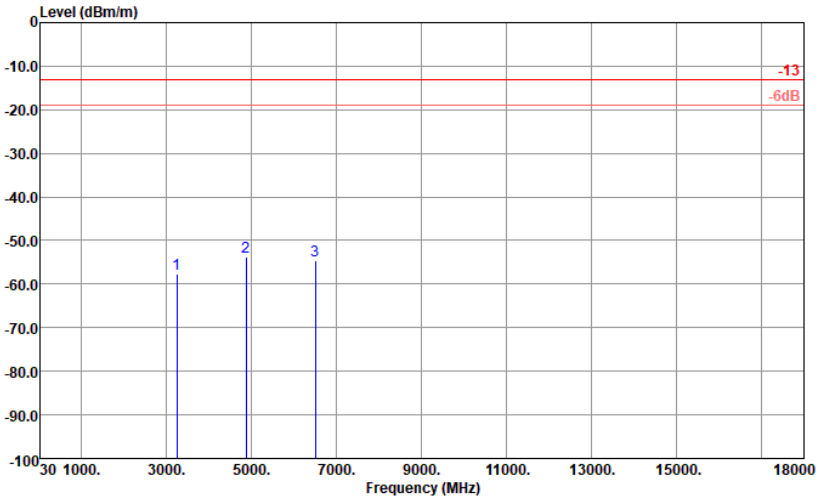
| Mode : | Band 255<br>3.75KHz QPSK 1SC0 -Channel261506 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization: | Horizontal |




Site : site
Condition : -13 3m HF PART 22/24/27 HORIZONTAL
Project : (FG)512406
Mode : 3
SN : #14
Plane : Z
: FULL--directivity
: 3.75KHz QPSK 1SC0

| | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|
| | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | 3255. | -58.03 | -45.03 | -13.00 | -74.18 | HORIZONTAL |
| 2 p | 4875. | -53.56 | -40.56 | -13.00 | -73.95 | HORIZONTAL |
| 3 | 6510. | -54.53 | -41.53 | -13.00 | -75.80 | HORIZONTAL |

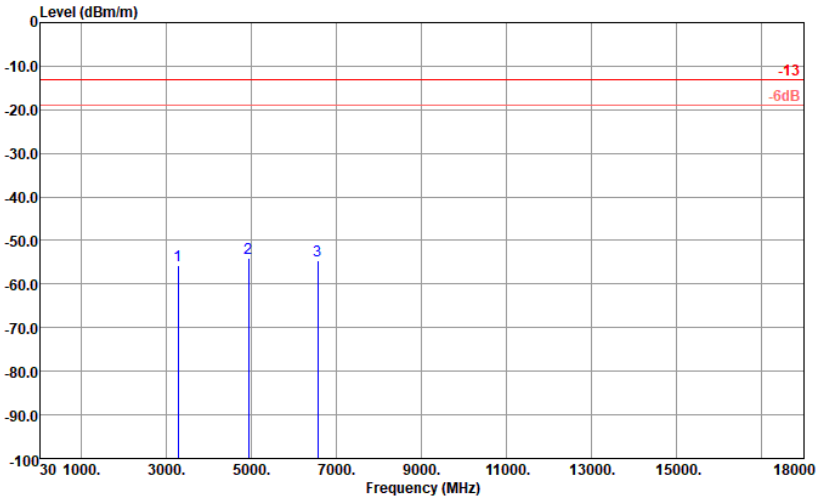
| Mode : | Band 255<br>3.75KHz QPSK 1SC0 -Channel261506 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization: | VERTICAL |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 VERTICAL
Project : (FG)512406
Mode : 3
SN : #14
Plane : Z
: FULL--directivity
: 3.75KHz QPSK 1SC0

| | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|
| | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | 3255. | -57.55 | -44.55 | -13.00 | -73.76 | VERTICAL |
| 2 p | 4875. | -53.68 | -40.68 | -13.00 | -74.10 | VERTICAL |
| 3 | 6510. | -54.64 | -41.64 | -13.00 | -75.83 | VERTICAL |

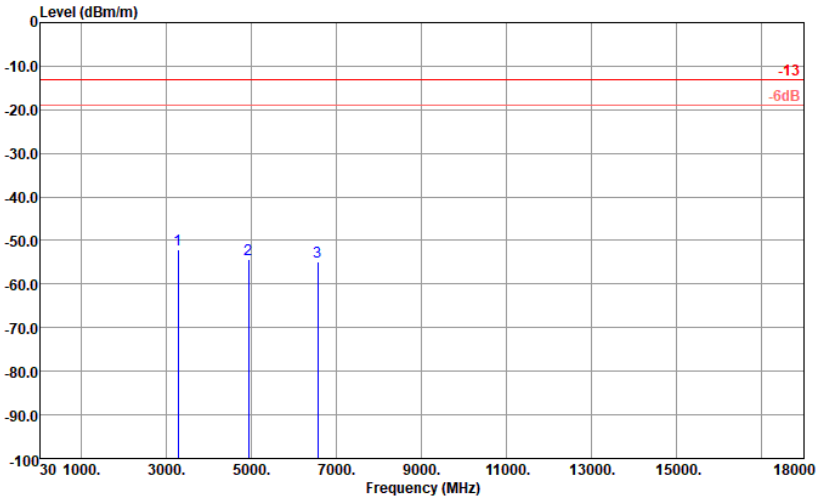
| Mode : | Band 255<br>3.75KHz QPSK 1SC0 -Channel261674 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization: | Horizontal |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 HORIZONTAL
Project : (FG)512406
Mode : 3
SN : #14
Plane : Z
: FULL--directivity
: 3.75KHz QPSK 1SC0

| | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|
| | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | 3285. | -55.82 | -42.82 | -13.00 | -71.95 | HORIZONTAL |
| 2 p | 4935. | -53.98 | -40.98 | -13.00 | -74.51 | HORIZONTAL |
| 3 | 6570. | -54.57 | -41.57 | -13.00 | -75.97 | HORIZONTAL |

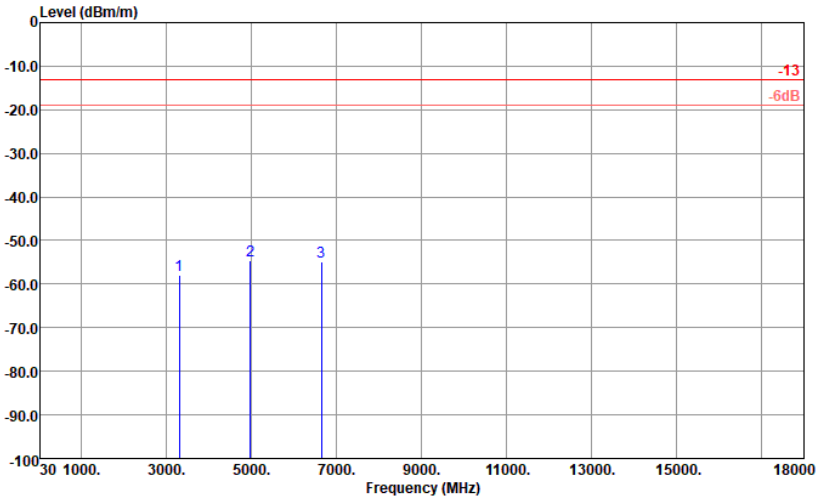
| Mode : | Band 255<br>3.75KHz QPSK 1SC0 -Channel261674 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization: | VERTICAL |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 VERTICAL
Project : (FG)512406
Mode : 3
SN : #14
Plane : Z
: FULL--directivity
: 3.75KHz QPSK 1SC0

| | | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|---|
| | | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | p | 3285. | -52.17 | -39.17 | -13.00 | -68.35 | VERTICAL |
| 2 | | 4935. | -54.24 | -41.24 | -13.00 | -74.70 | VERTICAL |
| 3 | | 6570. | -54.96 | -41.96 | -13.00 | -76.30 | VERTICAL |

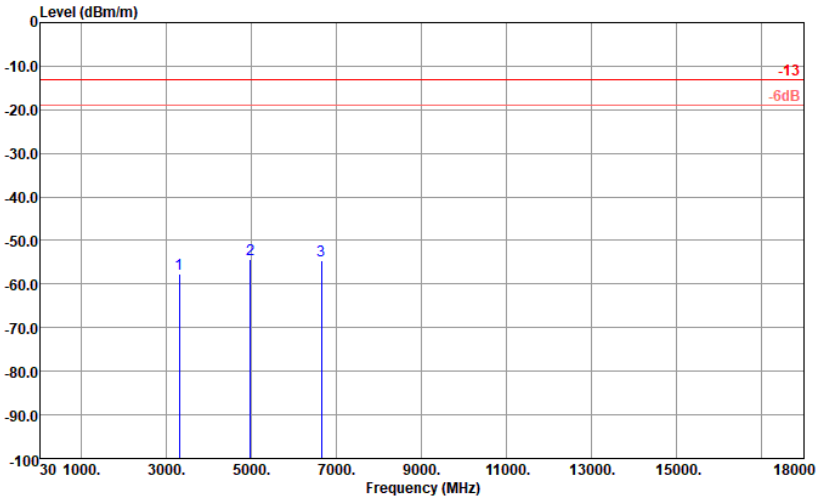
| Mode : | Band 255<br>3.75KHz QPSK 1SC0 -Channel261838 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Henzy LI | Polarization: | Horizontal |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 HORIZONTAL
Project : (FG)512406
Mode : 3
SN : #14
Plane : Z
: FULL--directivity
: 3.75KHz QPSK 1SC0

| | | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|---|
| | | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | | 3315. | -57.81 | -44.81 | -13.00 | -73.93 | HORIZONTAL |
| 2 | p | 4980. | -54.47 | -41.47 | -13.00 | -75.14 | HORIZONTAL |
| 3 | | 6645. | -55.00 | -42.00 | -13.00 | -76.55 | HORIZONTAL |

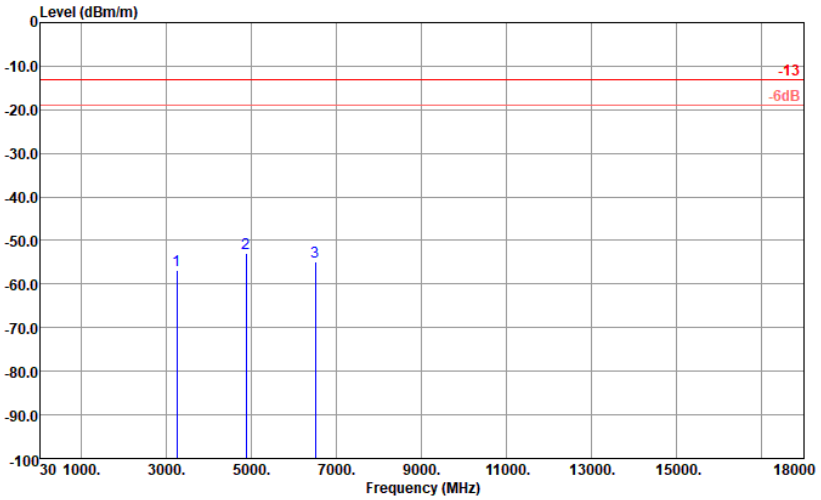
| Mode : | Band 255<br>3.75KHz QPSK 1SC0 -Channel261838 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization: | VERTICAL |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 VERTICAL
Project : (FG)512406
Mode : 3
SN : #14
Plane : Z
: FULL--directivity
: 3.75KHz QPSK 1SC0

| | | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|---|
| | | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | | 3315. | -57.76 | -44.76 | -13.00 | -73.90 | VERTICAL |
| 2 | p | 4980. | -54.19 | -41.19 | -13.00 | -74.69 | VERTICAL |
| 3 | | 6645. | -54.53 | -41.53 | -13.00 | -76.02 | VERTICAL |

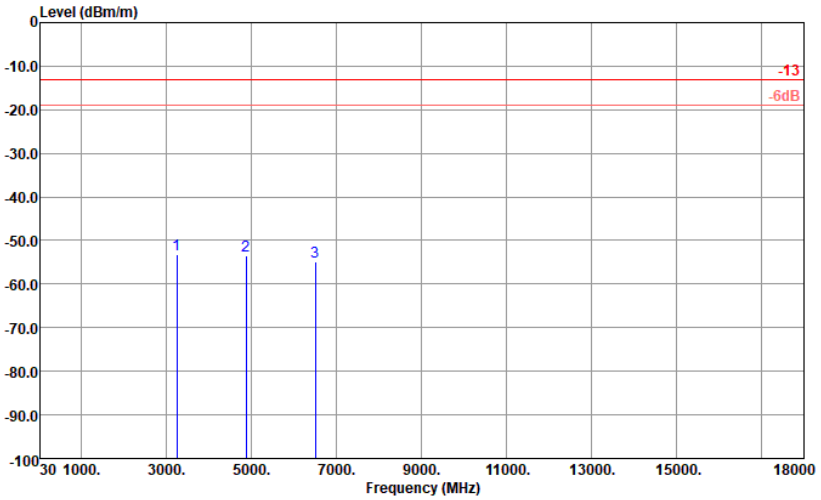
| Mode : | Band 255<br>3.75KHz QPSK 1SC47-Channel261506 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization: | Horizontal |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 HORIZONTAL
Project : (FG)512406
Mode : 4
SN : #14
Plane : Z
: FULL--directivity
: 3.75KHz QPSK 1SC47

| | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|
| | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | 3255. | -56.74 | -43.74 | -13.00 | -72.89 | HORIZONTAL |
| 2 p | 4875. | -53.00 | -40.00 | -13.00 | -73.39 | HORIZONTAL |
| 3 | 6510. | -54.80 | -41.80 | -13.00 | -76.07 | HORIZONTAL |

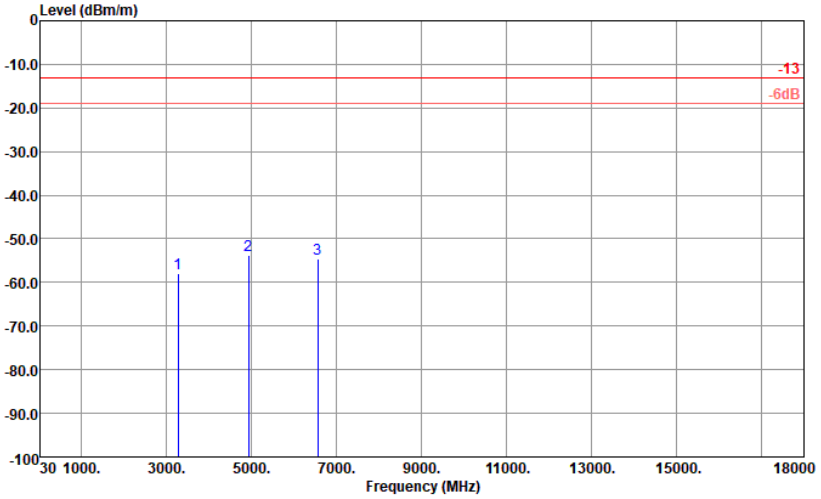
| Mode : | Band 255<br>3.75KHz QPSK1SC47-Channel261506 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization: | VERTICAL |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 VERTICAL
Project : (FG)512406
Mode : 4
SN : #14
Plane : Z
: FULL--directivity
: 3.75KHz QPSK 1SC47

| | | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|---|
| | | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | p | 3255. | -53.16 | -40.16 | -13.00 | -69.37 | VERTICAL |
| 2 | | 4875. | -53.61 | -40.61 | -13.00 | -74.03 | VERTICAL |
| 3 | | 6510. | -54.75 | -41.75 | -13.00 | -75.94 | VERTICAL |

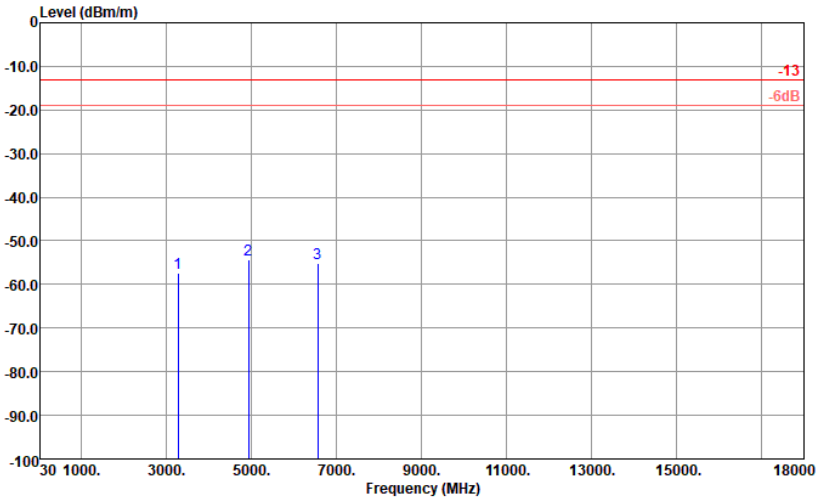
| Mode : | Band 255<br>3.75KHz QPSK 1SC47-Channel 261674 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization : | Horizontal |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 HORIZONTAL
Project : (FG)512406
Mode : 4
SN : #14
Plane : Z
: FULL--directivity
: 3.75KHz QPSK 1SC47

| | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|
| | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | 3285. | -57.81 | -44.81 | -13.00 | -73.94 | HORIZONTAL |
| 2 p | 4935. | -53.72 | -40.72 | -13.00 | -74.25 | HORIZONTAL |
| 3 | 6570. | -54.71 | -41.71 | -13.00 | -76.11 | HORIZONTAL |

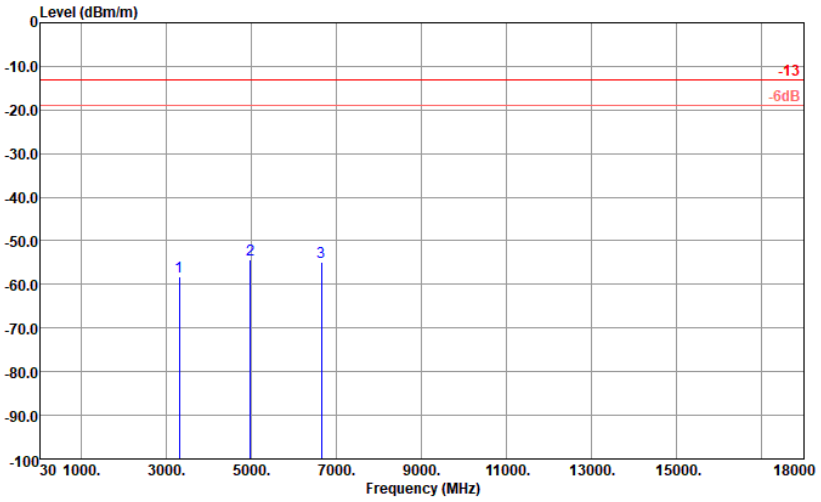
| Mode : | Band 255<br>3.75KHz QPSK1SC47-Channel261674 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization: | VERTICAL |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 VERTICAL
Project : (FG)512406
Mode : 4
SN : #14
Plane : Z
: FULL--directivity
: 3.75KHz QPSK 1SC47

| | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|
| | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | 3285. | -57.48 | -44.48 | -13.00 | -73.66 | VERTICAL |
| 2 p | 4935. | -54.35 | -41.35 | -13.00 | -74.81 | VERTICAL |
| 3 | 6570. | -55.09 | -42.09 | -13.00 | -76.43 | VERTICAL |

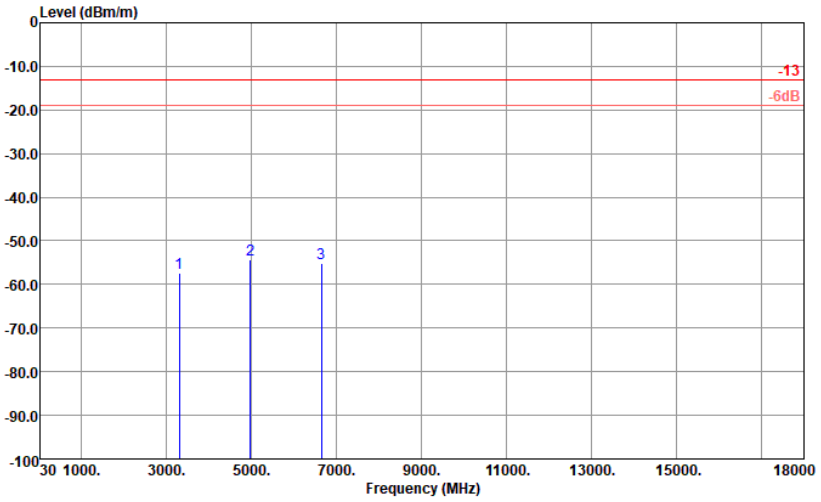
| Mode : | Band 255<br>3.75KHz QPSK 1SC47-Channel261838 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization : | Horizontal |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 HORIZONTAL
Project : (FG)512406
Mode : 4
SN : #14
Plane : Z
: FULL--directivity
: 3.75KHz QPSK 1SC47

| | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|
| | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | 3315. | -58.10 | -45.10 | -13.00 | -74.22 | HORIZONTAL |
| 2 p | 4980. | -54.19 | -41.19 | -13.00 | -74.86 | HORIZONTAL |
| 3 | 6645. | -54.75 | -41.75 | -13.00 | -76.30 | HORIZONTAL |

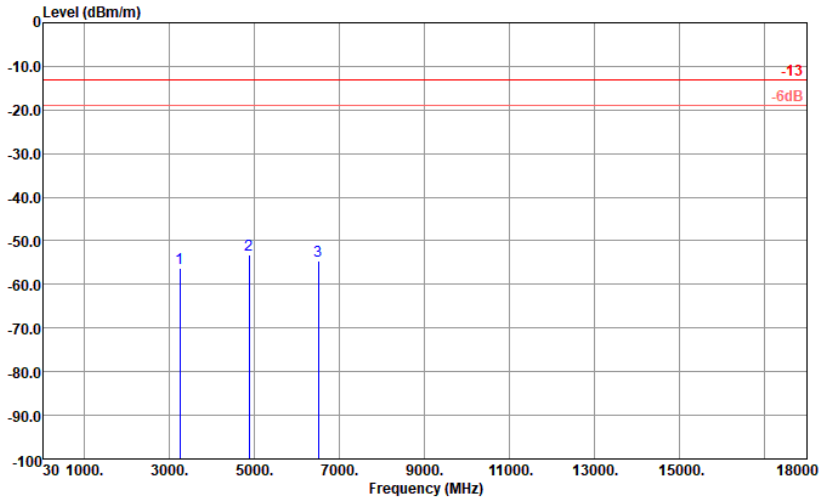
| | | | |
|---|---|---|---|
| **Mode :** | Band 255<br>3.75KHz QPSK 1SC47-Channel261838 | **Sample :** | #14 |
| **Test Engineer:** | Bernie Liu | **Polarization :** | VERTICAL |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 VERTICAL
Project : (FG)512406
Mode : 4
SN : #14
Plane : Z
: FULL--directivity
: 3.75KHz QPSK 1SC47

| | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|
| | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | 3315. | -57.29 | -44.29 | -13.00 | -73.43 | VERTICAL |
| 2 p | 4980. | -54.44 | -41.44 | -13.00 | -74.94 | VERTICAL |
| 3 | 6645. | -55.14 | -42.14 | -13.00 | -76.63 | VERTICAL |

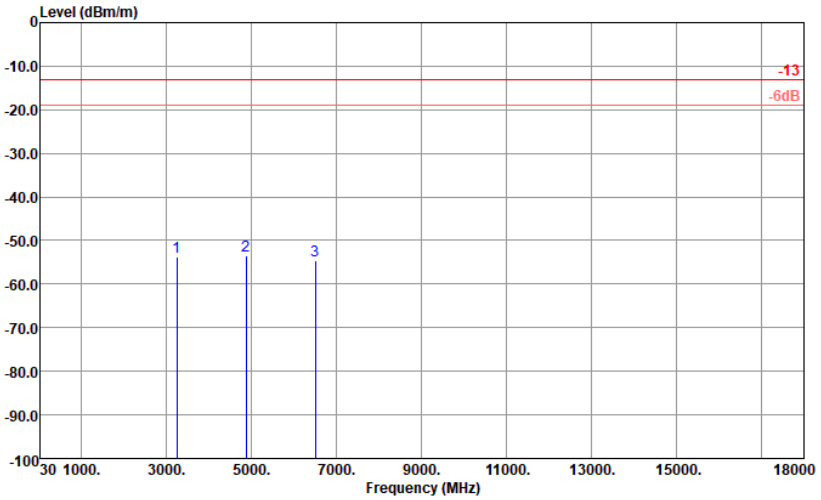
| Mode : | Band 255<br>15KHz BPSK 1SC0-Channel 261506 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization: | Horizontal |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 HORIZONTAL
Project : (FG)512406
Mode : 5
SN : #14
Plane : Z
: FULL--directivity
: 15KHz BPSK 1SC0

| | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|
| | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | 3255. | -56.39 | -43.39 | -13.00 | -72.54 | HORIZONTAL |
| 2 p | 4875. | -53.22 | -40.22 | -13.00 | -73.61 | HORIZONTAL |
| 3 | 6510. | -54.57 | -41.57 | -13.00 | -75.84 | HORIZONTAL |

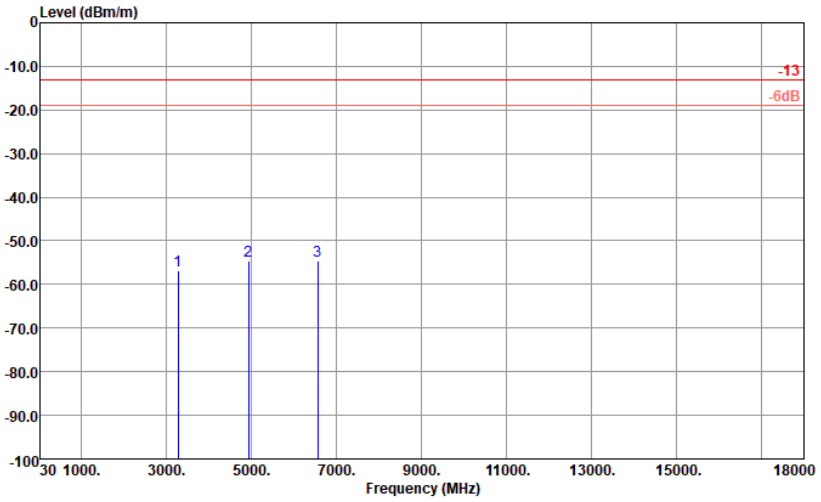
| Mode : | Band 255<br>15KHz BPSK 1SC0-Channel 261506 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization: | VERTICAL |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 VERTICAL
Project : (FG)512406
Mode : 5
SN : #14
Plane : Z
: FULL--directivity
: 15KHz BPSK 1SC0

| | | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|---|
| | | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | | 3255. | -53.78 | -40.78 | -13.00 | -69.99 | VERTICAL |
| 2 | p | 4875. | -53.47 | -40.47 | -13.00 | -73.89 | VERTICAL |
| 3 | | 6510. | -54.70 | -41.70 | -13.00 | -75.89 | VERTICAL |

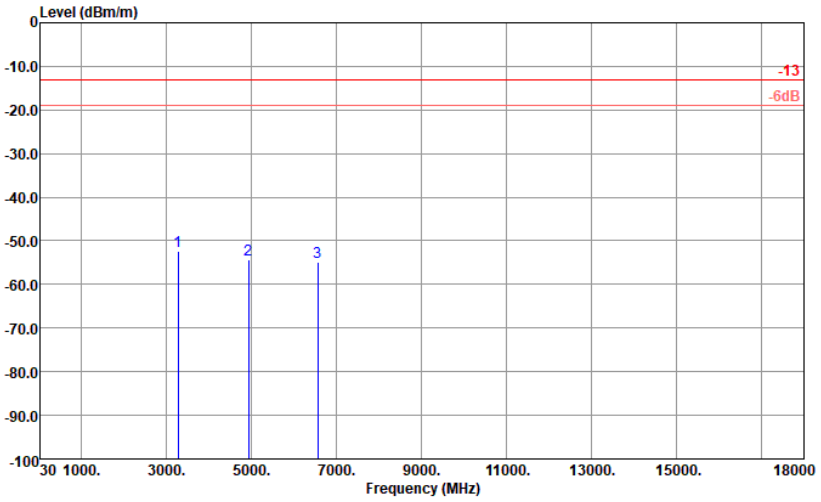
| Mode : | Band 255<br>15KHz BPSK 1SC0-Channel 261674 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization: | Horizontal |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 HORIZONTAL
Project : (FG)512406
Mode : 5
SN : #14
Plane : Z
: FULL--directivity
: 15KHz BPSK 1SC0

| | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|
| | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | 3285. | -56.84 | -43.84 | -13.00 | -72.97 | HORIZONTAL |
| 2 | 4935. | -54.61 | -41.61 | -13.00 | -75.14 | HORIZONTAL |
| 3 p | 6570. | -54.49 | -41.49 | -13.00 | -75.89 | HORIZONTAL |

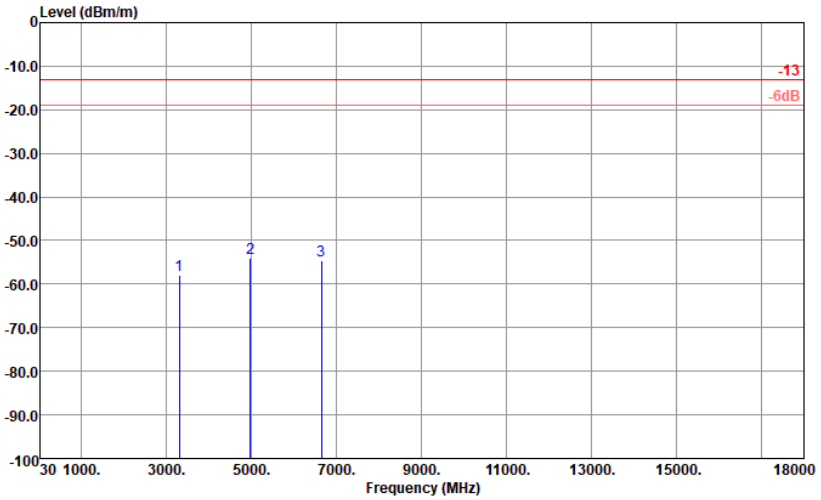
| Mode : | Band 255<br>15KHz BPSK 1SC0-Channel 261674 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Henzy LI | Polarization: | VERTICAL |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 VERTICAL
Project : (FG)512406
Mode : 5
SN : #14
Plane : Z
: FULL--directivity
: 15KHz BPSK 1SC0

| | | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|---|
| | | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | p | 3285. | -52.34 | -39.34 | -13.00 | -68.52 | VERTICAL |
| 2 | | 4935. | -54.44 | -41.44 | -13.00 | -74.90 | VERTICAL |
| 3 | | 6570. | -54.80 | -41.80 | -13.00 | -76.14 | VERTICAL |

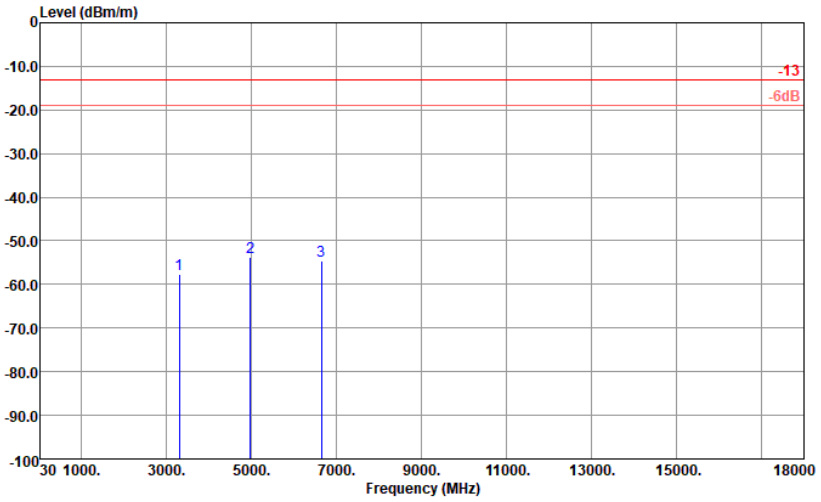
| Mode : | Band 255<br>15KHz BPSK 1SC0-Channel 261838 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization: | Horizontal |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 HORIZONTAL
Project : (FG)512406
Mode : 5
SN : #14
Plane : Z
: FULL--directivity
: 15KHz BPSK 1SC0

| | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|
| | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | 3315. | -57.93 | -44.93 | -13.00 | -74.05 | HORIZONTAL |
| 2 p | 4980. | -54.06 | -41.06 | -13.00 | -74.73 | HORIZONTAL |
| 3 | 6645. | -54.61 | -41.61 | -13.00 | -76.16 | HORIZONTAL |

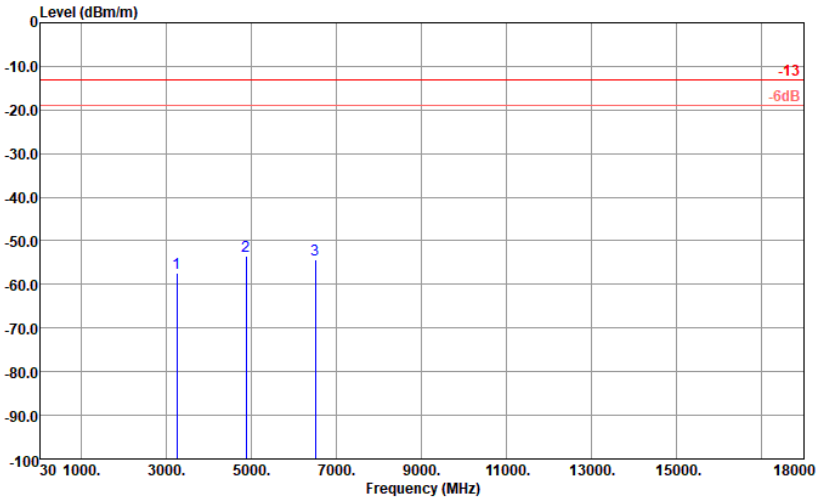
| Mode : | Band 255<br>15KHz BPSK 1SC0-Channel 261838 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization: | VERTICAL |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 VERTICAL
Project : (FG)512406
Mode : 5
SN : #14
Plane : Z
: FULL--directivity
: 15KHz BPSK 1SC0

| | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|
| | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | 3315. | -57.53 | -44.53 | -13.00 | -73.67 | VERTICAL |
| 2 p | 4980. | -53.86 | -40.86 | -13.00 | -74.36 | VERTICAL |
| 3 | 6645. | -54.66 | -41.66 | -13.00 | -76.15 | VERTICAL |

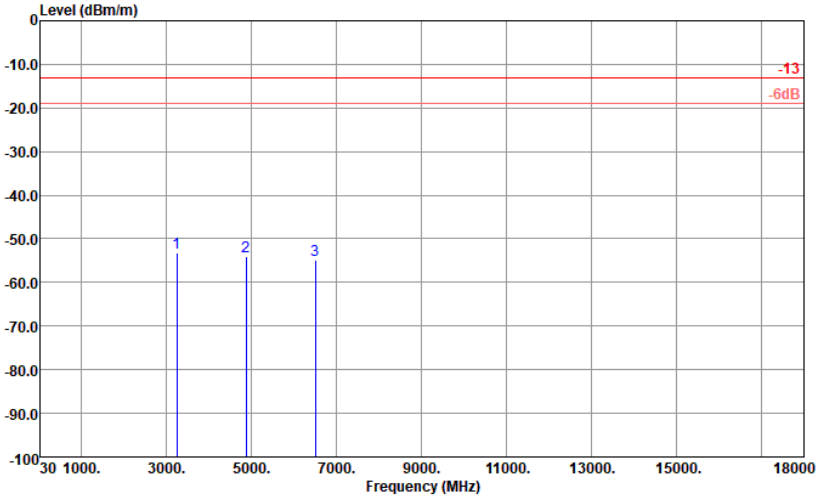
| Mode : | Band 255<br>15KHz BPSK 1SC11-Channel 261506 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization: | Horizontal |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 HORIZONTAL
Project : (FG)512406
Mode : 5
SN : #14
Plane : Z
: FULL--directivity
: 15KHz BPSK 1SC11

| | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|
| | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | 3255. | -57.52 | -44.52 | -13.00 | -73.67 | HORIZONTAL |
| 2 p | 4875. | -53.36 | -40.36 | -13.00 | -73.75 | HORIZONTAL |
| 3 | 6510. | -54.31 | -41.31 | -13.00 | -75.58 | HORIZONTAL |

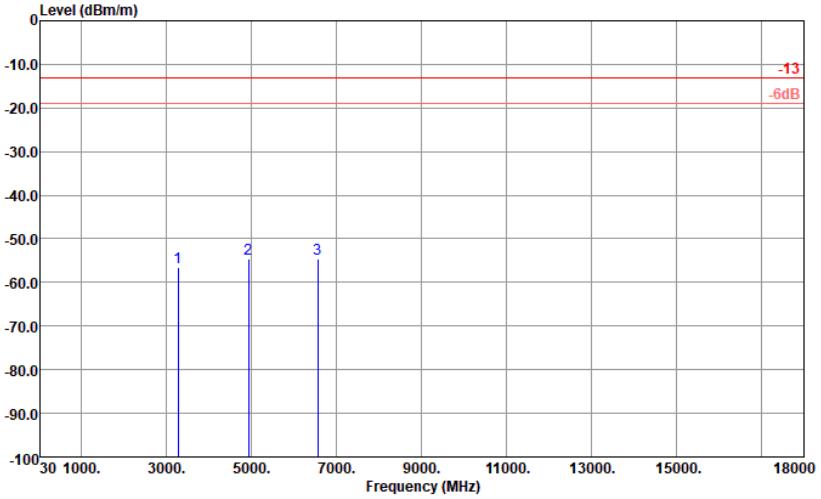
| Mode : | Band 255<br>15KHz BPSK 1SC11-Channel 261506 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization: | VERTICAL |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 VERTICAL
Project : (FG)512406
Mode : 5
SN : #14
Plane : Z
: FULL--directivity
: 15KHz BPSK 1SC11

| | | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|---|
| | | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | p | 3255. | -53.32 | -40.32 | -13.00 | -69.53 | VERTICAL |
| 2 | | 4875. | -53.91 | -40.91 | -13.00 | -74.33 | VERTICAL |
| 3 | | 6510. | -54.78 | -41.78 | -13.00 | -75.97 | VERTICAL |

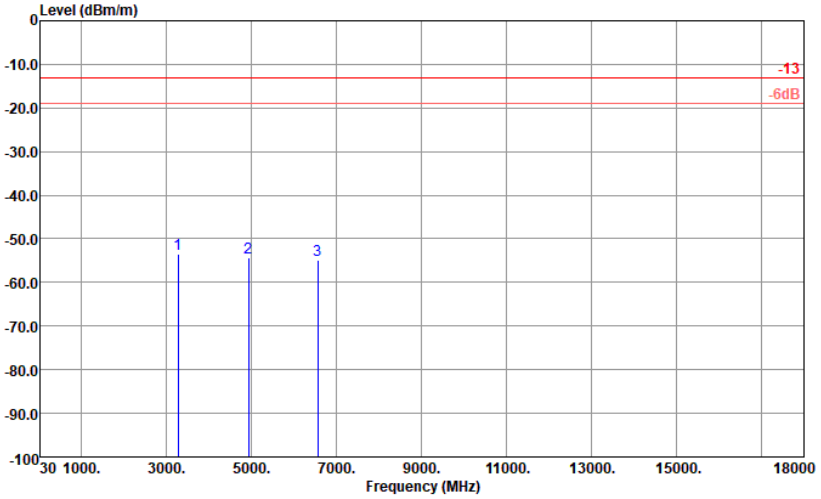
| Mode : | Band 255<br>15KHz BPSK 1SC11-Channel 261674 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization: | Horizontal |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 HORIZONTAL
Project : (FG)512406
Mode : 5
SN : #14
Plane : Z
: FULL--directivity
: 15KHz BPSK 1SC11

| | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|
| | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | 3285. | -56.45 | -43.45 | -13.00 | -72.58 | HORIZONTAL |
| 2 p | 4935. | -54.58 | -41.58 | -13.00 | -75.11 | HORIZONTAL |
| 3 | 6570. | -54.65 | -41.65 | -13.00 | -76.05 | HORIZONTAL |

| Mode : | Band 255<br>15KHz BPSK 1SC11-Channel 261674 | Sample : | #14 |
|---|---|---|---|
| Test Engineer: | Bernie Liu | Polarization: | VERTICAL |




Site : 03CH04-KS
Condition : -13 3m HF PART 22/24/27 VERTICAL
Project : (FG)512406
Mode : 5
SN : #14
Plane : Z
: FULL--directivity
: 15KHz BPSK 1SC11

| | | Freq | Level | Over Limit | Limit Line | Read Level | Pol/Phase |
|---|---|---|---|---|---|---|---|
| | | MHz | dBm/m | dB | dBm/m | dBm | |
| 1 | p | 3285. | -53.61 | -40.61 | -13.00 | -69.79 | VERTICAL |
| 2 | | 4935. | -54.33 | -41.33 | -13.00 | -74.79 | VERTICAL |
| 3 | | 6570. | -54.97 | -41.97 | -13.00 | -76.31 | VERTICAL |