TEST REPORT

FCC Sub6 n41 Test for SC-54E
Certification

APPLICANT
SAMSUNG Electronics Co., Ltd.

REPORT NO.
HCT-RF-2405-FC040

DATE OF ISSUE
May 24, 2024

Tested by
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TEST REPORT

REPORT NO.
HCT-RF-2405-FC040

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Additional Model
SCG29

Applicant	**SAMSUNG Electronics Co., Ltd.** 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea
Product Name Model Name	Mobile Phone SC-54E
Date of Test	April 23, 2024 ~ May 24, 2024
Location of Test	■ Permanent Testing Lab ☐ On Site Testing (Address: 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383 Republic of Korea)
FCC ID	A3LSMF741JPN
FCC Classification	PCS Licensed Transmitter Held to Ear (PCE)
Test Standard Used	FCC Rule Part(s) : § 27
Test Results	PASS

REVISION HISTORY

The revision history for this test report is shown in table.

Revision No.	Date of Issue	Description
0	May 24, 2024	Initial Release

Notice

Content
The measurements shown in this report were made in accordance with the procedures specified in CFR47 section § 2.947. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them. HCT CO., LTD. Certifies that no party to this application has subject to a denial of Federal benefits that includes FCC benefits pursuant to section 5301 of the Anti-Drug Abuse Act of 1998,21 U.S. C.853(a)
The results shown in this test report only apply to the sample(s), as received, provided by the applicant, unless otherwise stated. The test results have only been applied with the test methods required by the standard(s). The laboratory is not accredited for the test results marked *. Information provided by the applicant is marked **. Test results provided by external providers are marked ***.
When confirmation of authenticity of this test report is required, please contact www.hct.co.kr
The test results in this test report are not associated with the ((KS Q) ISO/IEC 17025) accreditation by KOLAS (Korea Laboratory Accreditation Scheme) / A2LA (American Association for Laboratory Accreditation) that are under the ILAC (International Laboratory Accreditation Cooperation) Mutual Recognition Agreement (MRA).

CONTENTS

MEASUREMENT REPORT

1. GENERAL INFORMATION

Applicant Name:	SAMSUNG Electronics Co., Ltd.
Address:	129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea
FCC ID:	A3LSMF741JPN
Application Type:	Certification
FCC Classification:	PCS Licensed Transmitter Held to Ear (PCE)
FCC Rule Part(s):	§ 27
EUT Type:	Mobile phone
Model(s):	SC-54E
Additional Model(s)	SCG29
SCS(kHz):	30
Bandwidth(MHz):	5, 10, 15, 20, 25, 30, 35, 40, 50, 60, 70, 80, 90, 100
Waveform:	CP-OFDM, DFT-S-OFDM
Modulation:	DFT-S-OFDM: PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM
Tx Frequency:	2501.010 – 2685.000 : 10 MHz(Sub6 n41) 2503.500 – 2682.480 : 15 MHz(Sub6 n41) 2506.020 – 2679.990 : 20 MHz(Sub6 n41) 2508.510 – 2677.500 : 25 MHz(Sub6 n41) 2511.000 – 2674.980 : 30 MHz(Sub6 n41) 2516.010 – 2670.000 : 40 MHz(Sub6 n41) 2521.020 – 2664.990 : 50 MHz(Sub6 n41) 2526.000 – 2659.980 : 60 MHz(Sub6 n41) 2531.010 – 2655.000 : 70 MHz(Sub6 n41) 2536.020 – 2649.990 : 80 MHz(Sub6 n41) 2541.000 – 2644.980 : 90 MHz(Sub6 n41) 2546.010 – 2640.000 : 100 MHz(Sub6 n41)
Date(s) of Tests:	April 23, 2024 ~ May 24, 2024
Serial number:	Radiated : R3CX30L0P6F Conducted : R3CX30L0KSV

1.1. MAXIMUM OUTPUT POWER

ANT B

	Mode (MHz)	Tx Frequency (MHz)	Emission Designator	Modulation	EIRP	
					Max. Power (W)	Max. Power (dBm)
Power Class 3	Sub6 n41 (10)	2501.010 – 2685.000	8M65G7D	PI/2 BPSK	0.107	20.31
			8M69G7D	QPSK	0.106	20.27
			8M71W7D	16QAM	0.081	19.09
			8M73W7D	64QAM	0.060	17.75
			8M69W7D	256QAM	0.036	15.51
	Sub6 n41 (15)	2503.500 – 2682.480	13M0G7D	PI/2 BPSK	0.107	20.31
			13M0G7D	QPSK	0.105	20.20
			12M9W7D	16QAM	0.082	19.16
			13M0W7D	64QAM	0.060	17.79
			13M0W7D	256QAM	0.035	15.49
	Sub6 n41 (20)	2506.020 – 2679.990	18M0G7D	PI/2 BPSK	0.108	20.34
			18M0G7D	QPSK	0.108	20.33
			18M0W7D	16QAM	0.082	19.12
			18M0W7D	64QAM	0.061	17.82
			18M0W7D	256QAM	0.036	15.52
	Sub6 n41 (25)	2508.510 – 2677.500	23M0G7D	PI/2 BPSK	0.114	20.57
			23M0G7D	QPSK	0.111	20.44
			23M0W7D	16QAM	0.085	19.31
			22M9W7D	64QAM	0.060	17.79
			23M0W7D	256QAM	0.037	15.65
	Sub6 n41 (30)	2511.000 – 2674.980	27M0G7D	PI/2 BPSK	0.107	20.31
			26M9G7D	QPSK	0.106	20.26
			26M9W7D	16QAM	0.081	19.06
			26M9W7D	64QAM	0.059	17.74
			27M0W7D	256QAM	0.035	15.47
	Sub6 n41 (40)	2516.010 – 2670.000	36M0G7D	PI/2 BPSK	0.110	20.41
			35M8G7D	QPSK	0.108	20.33
			35M9W7D	16QAM	0.081	19.07
			35M9W7D	64QAM	0.060	17.81
			35M9W7D	256QAM	0.036	15.62
	Sub6 n41 (50)	2521.020 – 2664.990	45M9G7D	PI/2 BPSK	0.105	20.20
			45M9G7D	QPSK	0.103	20.13
			45M9W7D	16QAM	0.080	19.05
			45M9W7D	64QAM	0.059	17.70
			45M9W7D	256QAM	0.035	15.44
	Sub6 n41 (60)	2526.000 – 2659.980	58M1G7D	PI/2 BPSK	0.098	19.93
			58M0G7D	QPSK	0.098	19.91
			58M1W7D	16QAM	0.074	18.72
			58M0W7D	64QAM	0.054	17.29
			58M0W7D	256QAM	0.033	15.22
	Sub6 n41 (70)	2531.010 – 2655.000	64M5G7D	PI/2 BPSK	0.097	19.86
			64M7G7D	QPSK	0.096	19.82
			64M6W7D	16QAM	0.073	18.66
			64M6W7D	64QAM	0.054	17.29
			64M8W7D	256QAM	0.032	15.04
	Sub6 n41 (80)	2536.020 – 2649.990	77M3G7D	PI/2 BPSK	0.102	20.07
			77M4G7D	QPSK	0.101	20.04
			77M3W7D	16QAM	0.076	18.83
			77M2W7D	64QAM	0.056	17.49
			77M3W7D	256QAM	0.033	15.23
	Sub6 n41 (90)	2541.000 – 2644.980	87M0G7D	PI/2 BPSK	0.104	20.19
			87M0G7D	QPSK	0.104	20.17
			86M9W7D	16QAM	0.078	18.94
			87M0W7D	64QAM	0.058	17.65
			87M0W7D	256QAM	0.035	15.41
	Sub6 n41 (100)	2546.010 – 2640.000	96M5G7D	PI/2 BPSK	0.104	20.15
			96M9G7D	QPSK	0.103	20.12
			96M7W7D	16QAM	0.078	18.91
			96M6W7D	64QAM	0.057	17.59
			96M5W7D	256QAM	0.034	15.36

ANT I

	Mode (MHz)	Tx Frequency (MHz)	Emission Designator	Modulation	EIRP	
					Max. Power (W)	Max. Power (dBm)
Power Class 3	Sub6 n41 (10)	2501.010 – 2685.000	8M64G7D	PI/2 BPSK	0.157	21.96
			8M63G7D	QPSK	0.154	21.88
			8M64W7D	16QAM	0.124	20.94
			8M71W7D	64QAM	0.084	19.24
			8M68W7D	256QAM	0.051	17.11
	Sub6 n41 (15)	2503.500 – 2682.480	13M0G7D	PI/2 BPSK	0.161	22.06
			13M0G7D	QPSK	0.157	21.97
			13M0W7D	16QAM	0.128	21.07
			13M0W7D	64QAM	0.092	19.65
			13M0W7D	256QAM	0.054	17.34
	Sub6 n41 (20)	2506.020 – 2679.990	18M0G7D	PI/2 BPSK	0.167	22.22
			18M0G7D	QPSK	0.165	22.18
			18M0W7D	16QAM	0.126	21.02
			18M0W7D	64QAM	0.092	19.63
			18M0W7D	256QAM	0.057	17.54
	Sub6 n41 (25)	2508.510 – 2677.500	23M0G7D	PI/2 BPSK	0.171	22.32
			23M1G7D	QPSK	0.169	22.28
			23M0W7D	16QAM	0.131	21.16
			23M0W7D	64QAM	0.094	19.75
			23M0W7D	256QAM	0.057	17.59
	Sub6 n41 (30)	2511.000 – 2674.980	26M9G7D	PI/2 BPSK	0.174	22.41
			27M0G7D	QPSK	0.171	22.34
			27M0W7D	16QAM	0.132	21.22
			26M9W7D	64QAM	0.097	19.85
			27M0W7D	256QAM	0.058	17.61
	Sub6 n41 (40)	2516.010 – 2670.000	36M0G7D	PI/2 BPSK	0.178	22.50
			35M9G7D	QPSK	0.175	22.44
			35M9W7D	16QAM	0.140	21.46
			35M9W7D	64QAM	0.100	20.02
			36M0W7D	256QAM	0.060	17.75
	Sub6 n41 (50)	2521.020 – 2664.990	45M9G7D	PI/2 BPSK	0.182	22.61
			45M9G7D	QPSK	0.177	22.48
			45M9W7D	16QAM	0.136	21.35
			45M9W7D	64QAM	0.102	20.08
			45M8W7D	256QAM	0.059	17.73
	Sub6 n41 (60)	2526.000 – 2659.980	58M1G7D	PI/2 BPSK	0.162	22.10
			58M1G7D	QPSK	0.159	22.02
			58M1W7D	16QAM	0.126	20.99
			57M9W7D	64QAM	0.091	19.58
			58M2W7D	256QAM	0.055	17.42
	Sub6 n41 (70)	2531.010 – 2655.000	64M8G7D	PI/2 BPSK	0.183	22.62
			64M8G7D	QPSK	0.175	22.44
			64M6W7D	16QAM	0.138	21.39
			64M4W7D	64QAM	0.099	19.94
			64M5W7D	256QAM	0.058	17.65
	Sub6 n41 (80)	2536.020 – 2649.990	77M2G7D	PI/2 BPSK	0.169	22.29
			77M2G7D	QPSK	0.163	22.11
			77M4W7D	16QAM	0.134	21.27
			77M3W7D	64QAM	0.096	19.83
			77M3W7D	256QAM	0.058	17.61
	Sub6 n41 (90)	2541.000 – 2644.980	86M9G7D	PI/2 BPSK	0.179	22.53
			86M9G7D	QPSK	0.171	22.32
			87M0W7D	16QAM	0.133	21.25
			87M0W7D	64QAM	0.096	19.82
			86M9W7D	256QAM	0.058	17.66
	Sub6 n41 (100)	2546.010 – 2640.000	96M6G7D	PI/2 BPSK	0.182	22.60
			96M8G7D	QPSK	0.175	22.44
			96M5W7D	16QAM	0.140	21.46
			96M7W7D	64QAM	0.101	20.06
			97M0W7D	256QAM	0.061	17.82

2. INTRODUCTION

2.1. DESCRIPTION OF EUT

The EUT was a Mobile Phone with GSM/GPRS/EGPRS/UMTS and LTE, Sub 6.
It also supports IEEE 802.11 a/b/g/n/ac/ax (20/40/80/160 MHz), Bluetooth(iPA, ePA), BT LE(iPA, ePA), NFC, WPT, WIFI 6E.

2.2. MEASURING INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipment, which is traceable to recognized national standards.

2.3. TEST FACILITY

The Fully-anechoic chamber and conducted measurement facility used to collect the radiated data are located at the **74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383, Rep. of KOREA.**

3. DESCRIPTION OF TESTS

3.1 TEST PROCEDURE

Test Description	Test Procedure Used
Occupied Bandwidth	- KDB 971168 D01 v03r01 – Section 4.3 - ANSI C63.26-2015 – Section 5.4.4
Channel Edge	- KDB 971168 D01 v03r01 – Section 6.0 - ANSI C63.26-2015 – Section 5.7
Spurious and Harmonic Emissions at Antenna Terminal	- KDB 971168 D01 v03r01 – Section 6.0 - ANSI C63.26-2015 – Section 5.7
Conducted Output Power	- N/A (See SAR Report)
Peak- to- Average Ratio	- KDB 971168 D01 v03r01 – Section 5.7 - ANSI C63.26-2015 – Section 5.2.3.4 - ANSI C63.26-2015 – Section 5.2.6(only GSM)
Frequency stability	- ANSI C63.26-2015 – Section 5.6
Effective Radiated Power/ Effective Isotropic Radiated Power	- KDB 971168 D01 v03r01 – Section 5.2 & 5.8 - ANSI/TIA-603-E-2016 – Section 2.2.17
Radiated Spurious and Harmonic Emissions	- KDB 971168 D01 v03r01 – Section 6.2 - ANSI/TIA-603-E-2016 – Section 2.2.12

3.2 RADIATED POWER

Test Overview

Radiated tests are performed in the Fully-anechoic chamber.
The equipment under test is placed on a non-conductive table 3-meters away from the receive antenna in accordance with ANSI/TIA-603-E-2016 Clause 2.2.17.

Test Settings

1. Radiated power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation.
2. RBW = 1 – 5 % of the expected OBW, not to exceed 1 MHz
3. VBW ≥ 3 x RBW
4. Span = 1.5 times the OBW
5. No. of sweep points > 2 x span / RBW
6. Detector = RMS
7. Trigger is set to "free run" for signals with continuous operation with the sweep times set to "auto".
8. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation.
9. Trace mode = trace averaging (RMS) over 100 sweeps
10. The trace was allowed to stabilize

Test Note

1. The turntable is rotated through 360 degrees, and the receiving antenna scans in order to determine the level of the maximized emission.
2. A half wave dipole is then substituted in place of the EUT. For emissions above 1 GHz, a horn antenna is substituted in place of the EUT. The substitute antenna is driven by a signal generator and the previously recorded signal was duplicated.
   The power is calculated by the following formula;

$$P_{d\ (dBm)} = Pg_{\ (dBm)} - \text{cable loss}_{\ (dB)} + \text{antenna gain}_{\ (dB)}$$

   Where: P_d is the dipole equivalent power and P_g is the generator output power into the substitution antenna.
3. The maximum value is calculated by adding the forward power to the calibrated source plus its appropriate gain value.
   These steps are repeated with the receiving antenna in both vertical and horizontal polarization.
   the difference between the gain of the horn and an isotropic antenna are taken into consideration
4. The EUT was tested in three orthogonal planes(X, Y, Z) and in all possible test configurations and positioning.
5. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

3.3 RADIATED SPURIOUS EMISSIONS

Test Overview

Radiated tests are performed in the Fully-anechoic chamber.

Radiated Spurious Emission Measurements at 3 meters by Substitution Method according to ANSI/TIA-603-E-2016.

Test Settings

1. RBW = 100 kHz for emissions below 1 GHz and 1 MHz for emissions above 1 GHz
2. VBW ≥ 3 x RBW
3. Span = 1.5 times the OBW
4. No. of sweep points > 2 x span / RBW
5. Detector = Peak
6. Trace mode = Max Hold
7. The trace was allowed to stabilize
8. Test channel : Low/ Middle/ High
9. Frequency range : We are performed all frequency to 10^{th} harmonics from 9 kHz.

Test Note

1. Measurements value show only up to 3 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin > 20 dB from the applicable limit) and considered that's already beyond the background noise floor.
2. The EUT was tested in three orthogonal planes(X, Y, Z) and in all possible test configurations and positioning.
   The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the test data
3. For spurious emissions above 1 GHz, a horn antenna is substituted in place of the EUT. The substitute antenna is driven by a signal generator and the previously recorded signal was duplicated.
   The spurious emissions is calculated by the following formula;

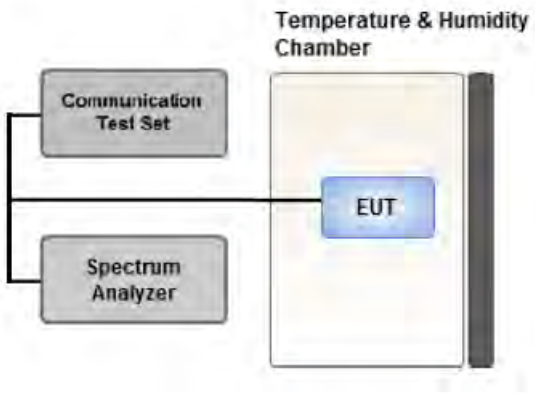
$$\text{Result}_{(dBm)} = Pg_{(dBm)} - \text{cable loss}_{(dB)} + \text{antenna gain}_{(dBi)}$$

   Where: P_g is the generator output power into the substitution antenna.

   If the fundamental frequency is below 1 GHz, RF output power has been converted to EIRP.

$$EIRP_{(dBm)} = ERP_{(dBm)} + 2.15$$

3.4 PEAK- TO- AVERAGE RATIO



Test setup

① CCDF Procedure for PAPR

Test Settings

1. Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Set the measurement interval as follows:
   .- for continuous transmissions, set to 1 ms,
   .- or burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize and set the measurement interval to a time that is less than or equal to the burst duration.
4. Record the maximum PAPR level associated with a probability of 0.1 %.

② Alternate Procedure for PAPR

Use one of the procedures presented in 5.2(ANSI C63.26-2015) to measure the total peak power and record as P_{Pk}.

Use one of the applicable procedures presented 5.2(ANSI C63.26-2015) to measure the total average power and record as P_{Avg}. Determine the P.A.R. from:

$$P.A.R_{(dB)} = P_{Pk\ (dBm)} - P_{Avg\ (dBm)}\ (P_{Avg} = \text{Average Power} + \text{Duty cycle Factor})$$

Test Settings(Peak Power)

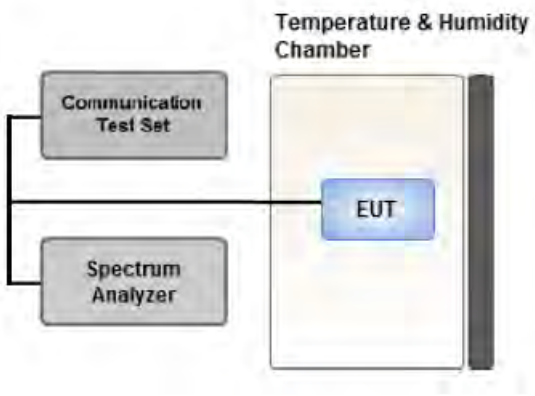
The measurement instrument must have a RBW that is greater than or equal to the OBW of the signal to be measured and a VBW ≥ 3 × RBW.

1. Set the RBW ≥ OBW.
2. Set VBW ≥ 3 × RBW.
3. Set span ≥ 2 × OBW.
4. Sweep time ≥ 10 × (number of points in sweep) × (transmission symbol period).
5. Detector = peak.
6. Trace mode = max hold.
7. Allow trace to fully stabilize.
8. Use the peak marker function to determine the peak amplitude level.

Test Settings(Average Power)

1. Set span to 2 × to 3 × the OBW.
2. Set RBW ≥ OBW.
3. Set VBW ≥ 3 × RBW.
4. Set number of measurement points in sweep ≥ 2 × span / RBW.
5. Sweep time:
   Set ≥ [10 × (number of points in sweep) × (transmission period)] for single sweep (automation-compatible) measurement. The transmission period is the (on + off) time.
6. Detector = power averaging (rms).
7. Set sweep trigger to "free run."
8. Trace average at least 100 traces in power averaging (rms) mode if sweep is set to auto-couple. (To accurately determine the average power over the on and off period of the transmitter, it can be necessary to increase the number of traces to be averaged above 100 or, if using a manually configured sweep time, increase the sweep time.)
9. Use the peak marker function to determine the maximum amplitude level.
10. Add [10 log (1/duty cycle)] to the measured maximum power level to compute the average power during continuous transmission. For example, add [10 log (1/0.25)] = 6 dB if the duty cycle is a constant 25 %.

3.5 OCCUPIED BANDWIDTH.



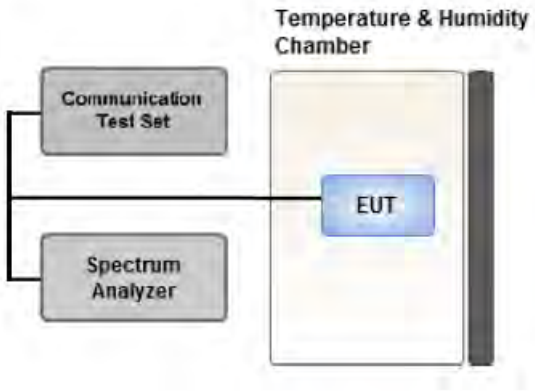
Test setup

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 power of a given emission.
The EUT makes a call to the communication simulator.
The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.
The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth

Test Settings

1. The signal analyzer's automatic bandwidth measurement capability was used to perform the 99 % occupied bandwidth and the 26 dB bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 1 – 5 % of the expected OBW
3. VBW ≥ 3 x RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. The trace was allowed to stabilize
8. If necessary, steps 2 – 7 were repeated after changing the RBW such that it would be within 1 – 5 % of the 99 % occupied bandwidth observed in Step 7

3.6 SPURIOUS AND HARMONIC EMISSIONS AT ANTENNA TERMINAL



Test setup

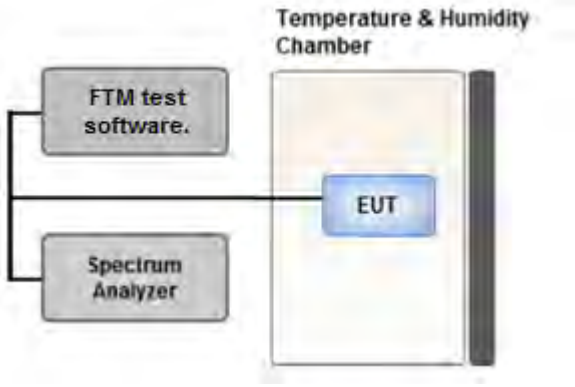
Test Overview

The level of the carrier and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

Test Settings

1. RBW = 1 MHz
2. VBW ≥ 3 MHz
3. Detector = RMS
4. Trace Mode = trace average
5. Sweep time = auto
6. Number of points in sweep ≥ 2 x Span / RBW

3.7 CHANNEL EDGE



Test setup

Test Overview

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum power and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

Test Settings

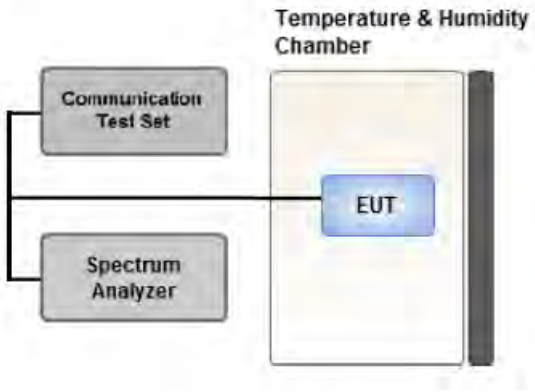
1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. Within 1 MHz of the channel edge the RBW should be 2 % of EBW, then 1 MHz after that.
4. VBW > 3 x RBW
5. Detector = RMS
6. Number of sweep points ≥ 2 x Span/RBW
7. Trace mode = trace average
8. Sweep time = auto couple
9. The trace was allowed to stabilize

Test Notes

1. The attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge,
2. 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge.
3. 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge.
4. The attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz.
5. 55 + 10 log (P) dB at or below 2490.5 MHz.
6. X is the greater of 6MHz or the actual emission bandwidth
7. The band edge measurement used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer

Where Margin < 1 dB the emission level is either corrected by 10 log(1 MHz/ RB) or the emission is integrated over a 1 MHz bandwidth to determine the final result. When using the integration method the integration window is either centered on the emission or, for emissions at the band edge, centered by an offset of 500 kHz from the block edge so that the integration window is the 1 MHz adjacent to the block edge.

3.8 FREQUENCY STABILITY / VARIATION OF AMBIENT TEMPERATURE



Test setup

Test Overview

Frequency stability testing is performed in accordance with the guidelines of ANSI C63.26-2015.
The frequency stability of the transmitter is measured by:

1. Temperature:
   The temperature is varied from -30 °C to +50 °C in 10 °C increments using an environmental chamber.
2. Primary Supply Voltage:
   .- Unless otherwise specified, vary primary supply voltage from 85 % to 115 % of the nominal value for other than hand carried battery equipment.
   .- For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the battery operating end point, which shall be specified by the manufacturer.

Test Settings

1. The carrier frequency of the transmitter is measured at room temperature (20 °C to provide a reference).
2. The equipment is turned on in a "standby" condition for fifteen minutes before applying power to the transmitter.
   Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
3. Frequency measurements are made at 10 °C intervals ranging from -30 °C to +50 °C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

3.9 WORST CASE(RADIATED TEST)

- Waveform : All Waveform of operation were investigated and the worst case configuration results are reported.
  (Worst case: DFT-S-OFDM)
- The EUT was tested in three orthogonal planes(X, Y, Z) and in all possible test configurations and positioning.
- The EUT was tested in three modes(Open, Half-folded, Closed), the worst case configuration results are reported. (Worst case: Open mode)
- All modes of operation were investigated and the worst case configuration results are reported.
  Mode: PC3 Only (SA, NSA)
  Worst case: SA
  Mode : Stand alone, Stand alone + External accessories (Earphone, AC adapter, etc)
  Worst case : Stand alone
- We were performed the RSE test in condition of co-location.
  Mode : Stand alone, Simultaneous transmission scenarios
  Worst case : Stand alone
- All power classes were tested, and the results were reported for the worst case PC3. (PC3 Only)
- Radiated Spurious emissions are measured while operating in EN-DC mode with Sub 6 NR carrier as well as an LTE carrier (anchor).
  All EN-DC mode of operation (=anchor) were investigated and the test results were measured No Peak Found.
  The test results which are attenuated more than 20 dB below the permissible value, so it was not reported.
- All RB sizes, offsets of operation were investigated and the worst case configuration results are reported.
- Please refer to the table below.

[ANT B Worst case]

Test Description	Modulation	RB size	RB offset	Axis
Effective Isotropic Radiated Power	PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM	See Section 8.1		X
Radiated Spurious and Harmonic Emissions	PI/2 BPSK	See Section 8.2		X

[ANT I Worst case]

Test Description	Modulation	RB size	RB offset	Axis
Effective Isotropic Radiated Power	PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM	See Section 8.1		X
Radiated Spurious and Harmonic Emissions	PI/2 BPSK	See Section 8.2		Z

3.10 WORST CASE(CONDUCTED TEST)

- Waveform : All Waveform of operation were investigated and the worst case configuration results are reported.
  (Worst case: DFT-S-OFDM)
- Modulation : All Modulation of operation were investigated and the worst case configuration results are reported.
  (Worst case: PI/2 BPSK)
- All modes of operation were investigated and the worst case configuration results are reported.
  Mode: PC3 Only (SA, NSA)
  Worst case: SA
- All power classes were tested, and the results were reported for the worst case PC3. (PC3 Only)
- All RB sizes, offsets of operation were investigated and the worst case configuration results are reported.
  Please refer to the table below.

[Worst case]

Test Description	Modulation	Bandwidth (MHz)	Frequency	RB size	RB offset
Occupied Bandwidth, Peak-To-Average Ratio	PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM	10, 15, 20, 25, 30, 40, 50, 60, 80, 90, 100	Mid	Full RB	0
Channel Edge	PI/2 BPSK	10	Low	1	0
			High	1	23
		15	Low	1	0
			High	1	37
		20	Low	1	0
			High	1	50
		25	Low	1	0
			High	1	64
		30	Low	1	0
			High	1	77
		40	Low	1	0
			High	1	105
		50	Low	1	0
			High	1	132
		60	Low	1	0
			High	1	161
		70	Low	1	0
			High	1	188
		80	Low	1	0
			High	1	216
		90	Low	1	0
			High	1	244
		100	Low	1	0
			High	1	272
		10, 15, 20, 25, 30, 40, 50, 60, 80, 90, 100	Low, Mid High	Full RB	0
Spurious and Harmonic Emissions at Antenna Terminal	PI/2 BPSK	10, 15, 20, 25, 30, 40, 50, 60, 80, 90, 100	Low, Mid, High	1	1

4. LIST OF TEST EQUIPMENT

Equipment	Model	Manufacture	Serial No.	Due to Calibration	Calibration Interval
Precision Dipole Antenna	UHAP	Schwarzbeck	01273	03/10/2026	Biennial
Precision Dipole Antenna	UHAP	Schwarzbeck	01274	03/10/2026	Biennial
Horn Antenna(1~18 GHz)	BBHA 9120D	Schwarzbeck	02289	02/14/2026	Biennial
Horn Antenna(1~18 GHz)	BBHA 9120D	Schwarzbeck	9120D-1299	04/27/2025	Biennial
Horn Antenna(15~40 GHz)	BBHA 9170	Schwarzbeck	BBHA9170342	09/29/2024	Biennial
Horn Antenna(15~40 GHz)	BBHA 9170	Schwarzbeck	BBHA9170124	03/28/2025	Biennial
Loop Antenna(9 kHz~30 MHz)	FMZB1513	Rohde & Schwarz	1513-175	01/16/2025	Biennial
Bilog Antenna	VULB9160	Schwarzbeck	3150	03/09/2025	Biennial
Hybrid Antenna	VULB9160	Schwarzbeck	760	02/24/2025	Biennial
RF Switching System	FBSR-06B (1G HPF + LNA)	T&M SYSTEM	F3L1	05/14/2025	Annual
RF Switching System	FBSR-06B (3G HPF + LNA)	T&M SYSTEM	F3L2	05/14/2025	Annual
RF Switching System	FBSR-06B (6G HPF + LNA)	T&M SYSTEM	F3L3	05/14/2025	Annual
RF Switching System	FBSR-06B (LNA)	T&M SYSTEM	F3L4	05/14/2025	Annual
Power Amplifier	CBL18265035	CERNEX	22966	11/17/2024	Annual
Power Amplifier	CBL26405040	CERNEX	25956	02/26/2025	Annual
DC Power Supply	E3632A	Hewlett Packard	MY40004427	08/25/2024	Annual
Power Splitter(DC~26.5 GHz)	11667B	Hewlett Packard	11275	02/29/2025	Annual
Chamber	SU-642	ESPEC	93008124	02/19/2025	Annual
Signal Analyzer(10 Hz~26.5 GHz)	N9020A	Agilent	MY51110063	04/04/2025	Annual
ATTENUATOR(20 dB)	8493C	Hewlett Packard	17280	04/17/2025	Annual
Spectrum Analyzer(10 Hz~40 GHz)	FSV40	REOHDE & SCHWARZ	101436	02/13/2025	Annual
Base Station	8960 (E5515C)	Agilent	MY48360800	08/10/2024	Annual
Wideband Radio Communication Tester	MT8821C	Anritsu Corp.	6262287701	05/16/2025	Annual
Wideband Radio Communication Tester	MT8000A	Anritsu Corp.	6262302511	05/14/2025	Annual
SIGNAL GENERATOR (100 kHz~40 GHz)	SMB100A	REOHDE & SCHWARZ	177633	06/22/2024	Annual
Signal Analyzer(5 Hz~40.0 GHz)	N9030B	KEYSIGHT	MY55480167	05/17/2025	Annual
4-Way Divider	ZC4PD-K1844+	Mini-Circuits	942907	09/19/2024	Annual
FCC LTE Mobile Conducted RF Automation Test Software	-	HCT CO., LTD.,	-	-	-

Note:

1. Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.
2. Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5 (Version : 2017).

5. MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.4:2014.

All measurement uncertainty values are shown with a coverage factor of $k = 2$ to indicate a 95 % level of confidence. The measurement data shown herein meets or exceeds the U_{CISPR} measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

Parameter	Expanded Uncertainty (±dB)
Conducted Disturbance (150 kHz ~ 30 MHz)	1.98 (Confidence level about 95 %, k=2)
Radiated Disturbance (9 kHz ~ 30 MHz)	4.36 (Confidence level about 95 %, k=2)
Radiated Disturbance (30 MHz ~ 1 GHz)	5.70 (Confidence level about 95 %, k=2)
Radiated Disturbance (1 GHz ~ 18 GHz)	5.52 (Confidence level about 95 %, k=2)
Radiated Disturbance (18 GHz ~ 40 GHz)	5.66 (Confidence level about 95 %, k=2)
Radiated Disturbance (Above 40 GHz)	5.58 (Confidence level about 95 %, k=2)

6. SUMMARY OF TEST RESULTS

6.1 Test Condition: Conducted Test

Test Description	FCC Part Section(s)	Test Limit	Test Result
Occupied Bandwidth	§ 2.1049	N/A	PASS
Band Edge / Spurious and Harmonic Emissions at Antenna Terminal.	§ 2.1051, § 27.53(m)(4)	■ < 40 + 10log10 (P[Watts]) at Channel edges ■ < 43 + 10log10 (P[Watts]) between 5 and X MHz from Channel edges ■ < 55 + 10log10 (P[Watts]) beyond X MHz beyond from Channel edges ■ < 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz	PASS
Conducted Output Power	§ 2.1046	N/A	See Note1
Frequency stability / variation of ambient temperature	§ 2.1055, § 27.54	Emission must remain in band	PASS

Note:

1. See SAR Report

2. All conducted tests were tested using 5G Wireless Tester.

6.2 Test Condition: Radiated Test

Test Description	FCC Part Section(s)	Test Limit	Test Result
Equivalent Isotropic Radiated Power	§ 27.50(h)(2)	< 2 Watts max. EIRP	PASS
Radiated Spurious and Harmonic Emissions	§ 2.1053, § 27.53(m)(4)	< 55 + 10log10 (P[Watts])	PASS

Note:

1. Radiated tests were tested using 5G Wireless Tester.

7. SAMPLE CALCULATION

7.1 ERP Sample Calculation

Ch./ Freq.		Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBd)	C.L	Pol.	ERP	
channel	Freq.(MHz)						W	dBm
128	824.20	-21.37	38.40	-10.61	0.95	H	0.483	26.84

ERP = Substitute LEVEL(dBm) + Ant. Gain – CL(Cable Loss)

1) The EUT mounted on a non-conductive turntable is 2.5 meter above test site ground level.
2) During the test, the turn table is rotated until the maximum signal is found.
3) Record the field strength meter's level.
4) Replace the EUT with dipole/Horn antenna that is connected to a calibrated signal generator.
5) Increase the signal generator output till the field strength meter's level is equal to the item (3).
6) The signal generator output level with Ant. Gain and cable loss are the rating of effective radiated power.

7.2 EIRP Sample Calculation

Ch./ Freq.		Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	EIRP	
channel	Freq.(MHz)						W	dBm
20175	1,732.50	-15.75	18.45	9.90	1.76	H	0.456	26.59

EIRP = Substitute LEVEL(dBm) + Ant. Gain – CL(Cable Loss)

1) The EUT mounted on a non-conductive turntable is 2.5 meter above test site ground level.
2) During the test, the turn table is rotated until the maximum signal is found.
3) Record the field strength meter's level.
4) Replace the EUT with dipole/Horn antenna that is connected to a calibrated signal generator.
5) Increase the signal generator output till the field strength meter's level is equal to the item (3).
6) The signal generator output level with Ant. Gain and cable loss are the rating of equivalent isotropic radiated power.

7.3. Emission Designator

GSM Emission Designator

Emission Designator = 249KGXW
GSM BW = 249 kHz
G = Phase Modulation
X = Cases not otherwise covered
W = Combination (Audio/Data)

EDGE Emission Designator

Emission Designator = 249KG7W
GSM BW = 249 kHz
G = Phase Modulation
7 = Quantized/Digital Info
W = Combination (Audio/Data)

WCDMA Emission Designator

Emission Designator = 4M17F9W
WCDMA BW = 4.17 MHz
F = Frequency Modulation
9 = Composite Digital Info
W = Combination (Audio/Data)

QPSK Modulation

Emission Designator = 4M48G7D
LTE BW = 4.48 MHz
G = Phase Modulation
7 = Quantized/Digital Info
D = Data transmission; telemetry; telecommand

QAM Modulation

Emission Designator = 4M48W7D
LTE BW = 4.48 MHz
W = Amplitude/Angle Modulated
7 = Quantized/Digital Info
D = Data transmission; telemetry; telecommand

8. TEST DATA (ANT B)

8.1 EQUIVALENT ISOTROPIC RADIATED POWER

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2501.010	Sub6 n41 / 10 MHz [30 kHz]	PI/2 BPSK	-24.16	12.48	10.30	2.47	H	< 2.00	0.107	20.31	1	12
		QPSK	-24.20	12.44	10.30	2.47	H		0.106	20.27		
		16-QAM	-25.38	11.26	10.30	2.47	H		0.081	19.09		
		64-QAM	-26.72	9.92	10.30	2.47	H		0.060	17.75		
		256-QAM	-28.96	7.68	10.30	2.47	H		0.036	15.51		
2592.990		PI/2 BPSK	-24.96	11.34	10.05	2.50	H		0.077	18.89	1	1
		QPSK	-25.10	11.20	10.05	2.50	H		0.075	18.75		
		16-QAM	-26.15	10.15	10.05	2.50	H		0.059	17.70		
		64-QAM	-27.70	8.60	10.05	2.50	H		0.041	16.15		
		256-QAM	-29.76	6.54	10.05	2.50	H		0.026	14.09		
2685.000		PI/2 BPSK	-27.27	10.19	10.10	2.58	H		0.059	17.71	1	12
		QPSK	-27.37	10.09	10.10	2.58	H		0.058	17.61		
		16-QAM	-28.50	8.96	10.10	2.58	H		0.044	16.48		
		64-QAM	-29.95	7.51	10.10	2.58	H		0.032	15.03		
		256-QAM	-32.01	5.45	10.10	2.58	H		0.020	12.97		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2503.500	Sub6 n41 / 15 MHz [30 kHz]	PI/2 BPSK	-24.14	12.49	10.30	2.48	H	< 2.00	0.107	20.31	1	1
		QPSK	-24.25	12.38	10.30	2.48	H		0.105	20.20		
		16-QAM	-25.29	11.34	10.30	2.48	H		0.082	19.16		
		64-QAM	-26.66	9.97	10.30	2.48	H		0.060	17.79		
		256-QAM	-28.96	7.67	10.30	2.48	H		0.035	15.49		
2592.990		PI/2 BPSK	-24.66	11.64	10.05	2.50	H		0.083	19.19	1	1
		QPSK	-24.81	11.49	10.05	2.50	H		0.080	19.04		
		16-QAM	-25.92	10.38	10.05	2.50	H		0.062	17.93		
		64-QAM	-27.30	9.00	10.05	2.50	H		0.045	16.55		
		256-QAM	-29.47	6.83	10.05	2.50	H		0.027	14.38		
2682.480		PI/2 BPSK	-27.04	10.67	10.10	2.58	H		0.066	18.19	1	1
		QPSK	-27.09	10.62	10.10	2.58	H		0.065	18.14		
		16-QAM	-28.31	9.40	10.10	2.58	H		0.049	16.92		
		64-QAM	-29.62	8.09	10.10	2.58	H		0.036	15.61		
		256-QAM	-31.80	5.91	10.10	2.58	H		0.022	13.43		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2506.020	Sub6 n41 / 20 MHz [30 kHz]	PI/2 BPSK	-24.11	12.52	10.30	2.48	H	< 2.00	0.108	20.34	1	25
		QPSK	-24.12	12.51	10.30	2.48	H		0.108	20.33		
		16-QAM	-25.33	11.30	10.30	2.48	H		0.082	19.12		
		64-QAM	-26.63	10.00	10.30	2.48	H		0.061	17.82		
		256-QAM	-28.93	7.70	10.30	2.48	H		0.036	15.52		
2592.990		PI/2 BPSK	-24.88	11.42	10.05	2.50	H		0.079	18.97	1	1
		QPSK	-24.96	11.34	10.05	2.50	H		0.077	18.89		
		16-QAM	-26.09	10.21	10.05	2.50	H		0.060	17.76		
		64-QAM	-27.44	8.86	10.05	2.50	H		0.044	16.41		
		256-QAM	-29.61	6.69	10.05	2.50	H		0.027	14.24		
2679.990		PI/2 BPSK	-27.03	10.68	10.10	2.58	H		0.066	18.20	1	1
		QPSK	-27.14	10.57	10.10	2.58	H		0.064	18.09		
		16-QAM	-28.22	9.49	10.10	2.58	H		0.050	17.01		
		64-QAM	-29.62	8.09	10.10	2.58	H		0.036	15.61		
		256-QAM	-31.82	5.89	10.10	2.58	H		0.022	13.41		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2508.510	Sub6 n41 / 25 MHz [30 kHz]	PI/2 BPSK	-23.87	12.76	10.30	2.49	H	< 2.00	0.114	20.57	1	32
		QPSK	-24.00	12.63	10.30	2.49	H		0.111	20.44		
		16-QAM	-25.13	11.50	10.30	2.49	H		0.085	19.31		
		64-QAM	-26.65	9.98	10.30	2.49	H		0.060	17.79		
		256-QAM	-28.79	7.84	10.30	2.49	H		0.037	15.65		
2592.990		PI/2 BPSK	-24.48	11.82	10.05	2.50	H		0.086	19.37	1	1
		QPSK	-24.55	11.75	10.05	2.50	H		0.085	19.30		
		16-QAM	-25.79	10.51	10.05	2.50	H		0.064	18.06		
		64-QAM	-27.06	9.24	10.05	2.50	H		0.048	16.79		
		256-QAM	-29.28	7.02	10.05	2.50	H		0.029	14.57		
2677.500		PI/2 BPSK	-26.67	10.89	10.10	2.58	H		0.069	18.41	1	1
		QPSK	-26.74	10.82	10.10	2.58	H		0.068	18.34		
		16-QAM	-27.94	9.62	10.10	2.58	H		0.052	17.14		
		64-QAM	-29.37	8.19	10.10	2.58	H		0.037	15.71		
		256-QAM	-31.42	6.14	10.10	2.58	H		0.023	13.66		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2511.000	Sub6 n41 / 30 MHz [30 kHz]	PI/2 BPSK	-24.11	12.51	10.30	2.50	H	< 2.00	0.107	20.31	1	39
		QPSK	-24.16	12.46	10.30	2.50	H		0.106	20.26		
		16-QAM	-25.36	11.26	10.30	2.50	H		0.081	19.06		
		64-QAM	-26.68	9.94	10.30	2.50	H		0.059	17.74		
		256-QAM	-28.95	7.67	10.30	2.50	H		0.035	15.47		
2592.990		PI/2 BPSK	-24.28	12.02	10.05	2.50	H		0.091	19.57	1	1
		QPSK	-24.35	11.95	10.05	2.50	H		0.089	19.50		
		16-QAM	-25.56	10.74	10.05	2.50	H		0.067	18.29		
		64-QAM	-26.94	9.36	10.05	2.50	H		0.049	16.91		
		256-QAM	-29.14	7.16	10.05	2.50	H		0.030	14.71		
2674.980		PI/2 BPSK	-26.42	10.99	10.10	2.58	H		0.071	18.51	1	1
		QPSK	-26.48	10.93	10.10	2.58	H		0.070	18.45		
		16-QAM	-27.63	9.78	10.10	2.58	H		0.054	17.30		
		64-QAM	-29.01	8.40	10.10	2.58	H		0.039	15.92		
		256-QAM	-31.26	6.15	10.10	2.58	H		0.023	13.67		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2516.010	Sub6 n41 / 40 MHz [30 kHz]	PI/2 BPSK	-23.87	12.62	10.30	2.51	H	< 2.00	0.110	20.41	1	53
		QPSK	-23.95	12.54	10.30	2.51	H		0.108	20.33		
		16-QAM	-25.21	11.28	10.30	2.51	H		0.081	19.07		
		64-QAM	-26.47	10.02	10.30	2.51	H		0.060	17.81		
		256-QAM	-28.66	7.83	10.30	2.51	H		0.036	15.62		
2592.990		PI/2 BPSK	-24.61	11.69	10.05	2.50	H		0.084	19.24	1	1
		QPSK	-24.71	11.59	10.05	2.50	H		0.082	19.14		
		16-QAM	-25.81	10.49	10.05	2.50	H		0.064	18.04		
		64-QAM	-27.22	9.08	10.05	2.50	H		0.046	16.63		
		256-QAM	-29.43	6.87	10.05	2.50	H		0.028	14.42		
2670.000		PI/2 BPSK	-26.26	10.86	10.10	2.58	H		0.069	18.38	1	1
		QPSK	-26.32	10.80	10.10	2.58	H		0.068	18.32		
		16-QAM	-27.56	9.56	10.10	2.58	H		0.051	17.08		
		64-QAM	-28.87	8.25	10.10	2.58	H		0.038	15.77		
		256-QAM	-31.10	6.02	10.10	2.58	H		0.023	13.54		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2521.020	Sub6 n41 / 50 MHz [30 kHz]	PI/2 BPSK	-23.94	12.73	10.00	2.53	H	< 2.00	0.105	20.20	1	1
		QPSK	-24.01	12.66	10.00	2.53	H		0.103	20.13		
		16-QAM	-25.09	11.58	10.00	2.53	H		0.080	19.05		
		64-QAM	-26.44	10.23	10.00	2.53	H		0.059	17.70		
		256-QAM	-28.70	7.97	10.00	2.53	H		0.035	15.44		
2592.990		PI/2 BPSK	-24.55	11.75	10.05	2.50	H		0.085	19.30	1	1
		QPSK	-24.70	11.60	10.05	2.50	H		0.082	19.15		
		16-QAM	-25.86	10.44	10.05	2.50	H		0.063	17.99		
		64-QAM	-27.17	9.13	10.05	2.50	H		0.047	16.68		
		256-QAM	-29.42	6.88	10.05	2.50	H		0.028	14.43		
2664.990		PI/2 BPSK	-26.11	10.98	10.10	2.60	H		0.070	18.48	1	1
		QPSK	-26.16	10.93	10.10	2.60	H		0.070	18.43		
		16-QAM	-27.36	9.73	10.10	2.60	H		0.053	17.23		
		64-QAM	-28.68	8.41	10.10	2.60	H		0.039	15.91		
		256-QAM	-30.84	6.25	10.10	2.60	H		0.024	13.75		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2526.000	Sub6 41/ 60 MHz [30 kHz]	PI/2 BPSK	-24.10	12.16	10.30	2.53	H	< 2.00	0.098	19.93	1	1
		QPSK	-24.12	12.14	10.30	2.53	H		0.098	19.91		
		16-QAM	-25.31	10.95	10.30	2.53	H		0.074	18.72		
		64-QAM	-26.74	9.52	10.30	2.53	H		0.054	17.29		
		256-QAM	-28.81	7.45	10.30	2.53	H		0.033	15.22		
2592.990		PI/2 BPSK	-24.43	11.87	10.05	2.50	H		0.087	19.42	1	1
		QPSK	-24.49	11.81	10.05	2.50	H		0.086	19.36		
		16-QAM	-25.75	10.55	10.05	2.50	H		0.065	18.10		
		64-QAM	-27.11	9.19	10.05	2.50	H		0.047	16.74		
		256-QAM	-29.24	7.06	10.05	2.50	H		0.029	14.61		
2659.980		PI/2 BPSK	-25.95	10.90	10.10	2.61	H		0.069	18.39	1	1
		QPSK	-26.00	10.85	10.10	2.61	H		0.068	18.34		
		16-QAM	-27.18	9.67	10.10	2.61	H		0.052	17.16		
		64-QAM	-28.52	8.33	10.10	2.61	H		0.038	15.82		
		256-QAM	-30.68	6.17	10.10	2.61	H		0.023	13.66		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2531.010	Sub6 41/ 70 MHz [30 kHz]	PI/2 BPSK	-24.04	12.08	10.30	2.52	H	< 2.00	0.097	19.86	1	1
		QPSK	-24.08	12.04	10.30	2.52	H		0.096	19.82		
		16-QAM	-25.24	10.88	10.30	2.52	H		0.073	18.66		
		64-QAM	-26.61	9.51	10.30	2.52	H		0.054	17.29		
		256-QAM	-28.86	7.26	10.30	2.52	H		0.032	15.04		
2592.990		PI/2 BPSK	-24.65	11.65	10.05	2.50	H		0.083	19.20	1	1
		QPSK	-24.70	11.60	10.05	2.50	H		0.082	19.15		
		16-QAM	-25.90	10.40	10.05	2.50	H		0.062	17.95		
		64-QAM	-27.25	9.05	10.05	2.50	H		0.046	16.60		
		256-QAM	-29.45	6.85	10.05	2.50	H		0.028	14.40		
2655.000		PI/2 BPSK	-25.35	11.41	10.10	2.63	H		0.077	18.88	1	1
		QPSK	-25.39	11.37	10.10	2.63	H		0.077	18.84		
		16-QAM	-26.59	10.17	10.10	2.63	H		0.058	17.64		
		64-QAM	-27.97	8.79	10.10	2.63	H		0.042	16.26		
		256-QAM	-30.10	6.66	10.10	2.63	H		0.026	14.13		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2536.020	Sub6 41/ 80 MHz [30 kHz]	PI/2 BPSK	-23.95	12.29	10.30	2.52	H	< 2.00	0.102	20.07	1	1
		QPSK	-23.98	12.26	10.30	2.52	H		0.101	20.04		
		16-QAM	-25.19	11.05	10.30	2.52	H		0.076	18.83		
		64-QAM	-26.53	9.71	10.30	2.52	H		0.056	17.49		
		256-QAM	-28.79	7.45	10.30	2.52	H		0.033	15.23		
2592.990		PI/2 BPSK	-24.66	11.64	10.05	2.50	H		0.083	19.19	1	1
		QPSK	-24.71	11.59	10.05	2.50	H		0.082	19.14		
		16-QAM	-25.81	10.49	10.05	2.50	H		0.064	18.04		
		64-QAM	-27.23	9.07	10.05	2.50	H		0.046	16.62		
		256-QAM	-29.43	6.87	10.05	2.50	H		0.028	14.42		
2649.990		PI/2 BPSK	-25.21	11.46	10.10	2.65	H		0.078	18.91	1	1
		QPSK	-25.23	11.44	10.10	2.65	H		0.077	18.89		
		16-QAM	-26.39	10.28	10.10	2.65	H		0.059	17.73		
		64-QAM	-27.85	8.82	10.10	2.65	H		0.042	16.27		
		256-QAM	-30.08	6.59	10.10	2.65	H		0.025	14.04		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2541.000	Sub6 41/ 90 MHz [30 kHz]	PI/2 BPSK	-23.95	12.41	10.30	2.52	H	< 2.00	0.104	20.19	1	1
		QPSK	-23.97	12.39	10.30	2.52	H		0.104	20.17		
		16-QAM	-25.20	11.16	10.30	2.52	H		0.078	18.94		
		64-QAM	-26.49	9.87	10.30	2.52	H		0.058	17.65		
		256-QAM	-28.73	7.63	10.30	2.52	H		0.035	15.41		
2592.990		PI/2 BPSK	-24.11	12.19	10.05	2.50	H		0.094	19.74	1	1
		QPSK	-24.16	12.14	10.05	2.50	H		0.093	19.69		
		16-QAM	-25.35	10.95	10.05	2.50	H		0.071	18.50		
		64-QAM	-26.72	9.58	10.05	2.50	H		0.052	17.13		
		256-QAM	-28.86	7.44	10.05	2.50	H		0.032	14.99		
2644.980		PI/2 BPSK	-24.97	11.84	10.00	2.66	H		0.083	19.18	1	1
		QPSK	-24.94	11.87	10.00	2.66	H		0.083	19.21		
		16-QAM	-26.08	10.73	10.00	2.66	H		0.064	18.07		
		64-QAM	-27.49	9.32	10.00	2.66	H		0.046	16.66		
		256-QAM	-29.67	7.14	10.00	2.66	H		0.028	14.48		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2546.010	Sub6 41/ 100 MHz [30 kHz]	PI/2 BPSK	-23.93	12.44	10.25	2.54	H	< 2.00	0.104	20.15	1	1
		QPSK	-23.96	12.41	10.25	2.54	H		0.103	20.12		
		16-QAM	-25.17	11.20	10.25	2.54	H		0.078	18.91		
		64-QAM	-26.49	9.88	10.25	2.54	H		0.057	17.59		
		256-QAM	-28.72	7.65	10.25	2.54	H		0.034	15.36		
2592.990		PI/2 BPSK	-24.18	12.12	10.05	2.50	H		0.093	19.67	1	1
		QPSK	-24.24	12.06	10.05	2.50	H		0.091	19.61		
		16-QAM	-25.43	10.87	10.05	2.50	H		0.070	18.42		
		64-QAM	-26.85	9.45	10.05	2.50	H		0.050	17.00		
		256-QAM	-28.98	7.32	10.05	2.50	H		0.031	14.87		
2640.000		PI/2 BPSK	-24.53	12.42	9.90	2.67	H		0.092	19.65	1	1
		QPSK	-24.56	12.39	9.90	2.67	H		0.092	19.62		
		16-QAM	-25.73	11.22	9.90	2.67	H		0.070	18.45		
		64-QAM	-27.17	9.78	9.90	2.67	H		0.050	17.01		
		256-QAM	-29.41	7.54	9.90	2.67	H		0.030	14.77		

8.2 RADIATED SPURIOUS EMISSIONS

- ▣ NR Band: n41
- ▣ Bandwidth: 10 MHz
- ▣ Modulation: PI/2 BPSK
- ▣ Distance: 1 meter
- ▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
500202 (2501.010)	5 002.02	-63.09	10.70	-64.44	3.63	V	-57.37	-25.00	1	12
	7 503.03	-64.62	11.10	-57.61	4.50	V	-51.01	-25.00		
	10 004.04	-62.16	11.20	-53.70	5.26	V	-47.76	-25.00		
	12 505.05	-63.40	12.10	-54.06	6.04	V	-48.00	-25.00		
	15 006.06	-60.41	13.80	-53.81	6.65	V	-46.66	-25.00		
518598 (2592.990)	5 185.98	-68.27	11.00	-69.77	3.70	V	-62.47	-25.00	1	1
	7 778.97	-63.46	10.90	-56.08	4.61	V	-49.79	-25.00		
	10 371.96	-63.23	11.20	-52.53	5.41	V	-46.74	-25.00		
	12 964.95	-63.95	12.00	-54.02	6.11	V	-48.13	-25.00		
	15 557.94	-60.43	15.40	-55.10	6.77	V	-46.47	-25.00		
537000 (2685.000)	5 370.00	-63.89	11.50	-66.41	3.74	V	-58.65	-25.00	1	12
	8 055.00	-64.16	10.90	-56.95	4.71	V	-50.76	-25.00		
	10 740.00	-65.29	11.10	-54.69	5.50	V	-49.09	-25.00		
	13 425.00	-63.54	11.80	-52.69	6.22	V	-47.11	-25.00		
	16 110.00	-64.51	15.70	-55.37	6.91	V	-46.58	-25.00		

▣ NR Band: n41

▣ Bandwidth: 15 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
500700 (2503.500)	5 007.00	-62.26	10.70	-63.54	3.61	V	-56.45	-25.00	1	1
	7 510.50	-64.13	11.10	-57.06	4.50	V	-50.46	-25.00		
	10 014.00	-61.56	11.20	-52.95	5.27	V	-47.02	-25.00		
	12 517.50	-63.43	12.10	-53.80	6.04	V	-47.74	-25.00		
	15 021.00	-59.51	13.80	-53.03	6.65	V	-45.88	-25.00		
518598 (2592.990)	5 185.98	-61.35	11.00	-62.85	3.70	V	-55.55	-25.00	1	1
	7 778.97	-63.76	10.90	-56.38	4.61	V	-50.09	-25.00		
	10 371.96	-63.31	11.20	-52.61	5.41	V	-46.82	-25.00		
	12 964.95	-63.35	12.00	-53.42	6.11	V	-47.53	-25.00		
	15 557.94	-61.56	15.40	-56.23	6.77	V	-47.60	-25.00		
536496 (2682.480)	5 364.96	-62.89	11.50	-65.18	3.75	V	-57.43	-25.00	1	1
	8 047.44	-62.48	10.85	-55.30	4.69	V	-49.14	-25.00		
	10 729.92	-64.06	11.10	-52.83	5.47	V	-47.20	-25.00		
	13 412.40	-62.14	11.80	-51.47	6.21	V	-45.88	-25.00		
	16 094.88	-63.49	15.60	-54.03	6.91	V	-45.34	-25.00		

▣ NR Band: n41

▣ Bandwidth: 20 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
501204 (2506.020)	5 012.04	-62.21	10.70	-63.42	3.59	V	-56.31	-25.00	1	25
	7 518.06	-64.25	11.10	-57.14	4.51	V	-50.55	-25.00		
	10 024.08	-63.39	11.20	-54.57	5.27	V	-48.64	-25.00		
	12 530.10	-62.45	12.10	-52.63	6.01	V	-46.54	-25.00		
	15 036.12	-57.81	13.80	-51.57	6.65	V	-44.42	-25.00		
518598 (2592.990)	5 185.98	-62.82	11.00	-64.32	3.70	V	-57.02	-25.00	1	1
	7 778.97	-64.56	10.90	-57.18	4.61	V	-50.89	-25.00		
	10 371.96	-64.26	11.20	-53.56	5.41	V	-47.77	-25.00		
	12 964.95	-62.55	12.00	-52.62	6.11	V	-46.73	-25.00		
	15 557.94	-62.32	15.40	-56.99	6.77	V	-48.36	-25.00		
535998 (2679.990)	5 359.98	-63.70	11.50	-65.76	3.76	V	-58.02	-25.00	1	1
	8 039.97	-62.60	10.80	-55.43	4.68	V	-49.31	-25.00		
	10 719.96	-64.27	11.10	-52.64	5.46	V	-47.00	-25.00		
	13 399.95	-63.05	11.80	-52.70	6.22	V	-47.12	-25.00		
	16 079.94	-64.22	15.50	-54.94	6.90	V	-46.34	-25.00		

▣ NR Band: n41

▣ Bandwidth: 25 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
501702 (2508.510)	5 017.02	-62.60	10.70	-63.97	3.57	V	-56.84	-25.00	1	32
	7 525.53	-64.76	11.10	-57.45	4.51	V	-50.86	-25.00		
	10 034.04	-62.51	11.20	-53.60	5.27	V	-47.67	-25.00		
	12 542.55	-63.53	12.10	-53.94	6.00	V	-47.84	-25.00		
	15 051.06	-57.88	14.00	-51.82	6.66	V	-44.48	-25.00		
518598 (2592.990)	5 185.98	-62.61	11.00	-64.11	3.70	V	-56.81	-25.00	1	1
	7 778.97	-63.43	10.90	-56.05	4.61	V	-49.76	-25.00		
	10 371.96	-64.55	11.20	-53.85	5.41	V	-48.06	-25.00		
	12 964.95	-62.84	12.00	-52.91	6.11	V	-47.02	-25.00		
	15 557.94	-61.26	15.40	-55.93	6.77	V	-47.30	-25.00		
535500 (2677.500)	5 355.00	-62.76	11.50	-64.62	3.75	V	-56.87	-25.00	1	1
	8 032.50	-62.17	10.80	-55.17	4.65	V	-49.02	-25.00		
	10 710.00	-62.97	11.10	-51.09	5.47	V	-45.46	-25.00		
	13 387.50	-63.71	11.90	-53.49	6.23	V	-47.82	-25.00		
	16 065.00	-64.12	15.50	-55.07	6.90	V	-46.47	-25.00		

▣ NR Band: n41

▣ Bandwidth: 30 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
502200 (2511.000)	5 022.00	-63.70	10.70	-65.23	3.55	V	-58.08	-25.00	1	39
	7 533.00	-65.42	11.10	-57.94	4.50	V	-51.34	-25.00		
	10 044.00	-63.69	11.15	-54.84	5.27	V	-48.96	-25.00		
	12 555.00	-64.05	12.10	-54.74	6.00	V	-48.64	-25.00		
	15 066.00	-58.43	14.00	-52.82	6.65	V	-45.47	-25.00		
518598 (2592.990)	5 185.98	-63.72	11.00	-65.22	3.70	V	-57.92	-25.00	1	1
	7 778.97	-65.06	10.90	-57.68	4.61	V	-51.39	-25.00		
	10 371.96	-64.77	11.20	-54.07	5.41	V	-48.28	-25.00		
	12 964.95	-63.98	12.00	-54.05	6.11	V	-48.16	-25.00		
	15 557.94	-61.74	15.40	-56.41	6.77	V	-47.78	-25.00		
534996 (2674.980)	5 349.96	-64.04	11.50	-65.69	3.75	V	-57.94	-25.00	1	1
	8 024.94	-60.72	10.80	-54.01	4.62	V	-47.83	-25.00		
	10 699.92	-64.79	11.10	-53.11	5.48	V	-47.49	-25.00		
	13 374.90	-62.92	11.90	-52.86	6.23	V	-47.19	-25.00		
	16 049.88	-65.30	15.50	-56.45	6.90	V	-47.85	-25.00		

▣ NR Band: n41

▣ Bandwidth: 40 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
503202 (2516.010)	5 032.02	-62.84	10.70	-64.94	3.56	V	-57.80	-25.00	1	53
	7 548.03	-65.21	11.10	-57.87	4.50	V	-51.27	-25.00		
	10 064.04	-63.08	11.10	-54.27	5.28	V	-48.45	-25.00		
	12 580.05	-64.02	12.10	-54.39	6.06	V	-48.35	-25.00		
	15 096.06	-60.01	14.05	-54.68	6.67	V	-47.30	-25.00		
518598 (2592.990)	5 185.98	-61.60	11.00	-63.10	3.70	V	-55.80	-25.00	1	1
	7 778.97	-64.70	10.90	-57.32	4.61	V	-51.03	-25.00		
	10 371.96	-65.07	11.20	-54.37	5.41	V	-48.58	-25.00		
	12 964.95	-63.87	12.00	-53.94	6.11	V	-48.05	-25.00		
	15 557.94	-61.70	15.40	-56.37	6.77	V	-47.74	-25.00		
534000 (2670.000)	5 340.00	-62.39	11.40	-64.09	3.75	V	-56.44	-25.00	1	1
	8 010.00	-62.45	10.80	-55.38	4.62	V	-49.20	-25.00		
	10 680.00	-64.85	11.10	-53.39	5.46	V	-47.75	-25.00		
	13 350.00	-63.12	11.90	-53.07	6.21	V	-47.38	-25.00		
	16 020.00	-63.79	15.20	-55.44	6.68	V	-46.92	-25.00		

▣ NR Band: n41

▣ Bandwidth: 50 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
504204 (2521.020)	5 042.04	-62.15	10.70	-64.12	3.60	V	-57.02	-25.00	1	1
	7 563.06	-65.22	11.10	-58.40	4.52	V	-51.82	-25.00		
	10084.08	-63.77	11.10	-54.55	5.30	V	-48.75	-25.00		
	12,605.10	-63.11	12.00	-53.61	6.05	V	-47.66	-25.00		
	15,126.12	-58.71	14.10	-52.75	6.67	V	-45.32	-25.00		
518598 (2592.990)	5 185.98	-63.06	11.00	-64.56	3.70	V	-57.26	-25.00	1	1
	7 778.97	-64.45	10.90	-57.07	4.61	V	-50.78	-25.00		
	10 371.96	-65.14	11.20	-54.44	5.41	V	-48.65	-25.00		
	12 964.95	-63.73	12.00	-53.80	6.11	V	-47.91	-25.00		
	15 557.94	-61.67	15.40	-56.34	6.77	V	-47.71	-25.00		
532998 (2664.990)	5 329.98	-60.81	11.40	-62.78	3.71	V	-55.09	-25.00	1	1
	7 994.97	-63.33	10.75	-55.92	4.66	V	-49.83	-25.00		
	10 659.96	-64.01	11.10	-51.85	5.49	V	-46.24	-25.00		
	13 324.95	-63.18	12.00	-52.47	6.19	V	-46.66	-25.00		
	15 989.94	-64.17	15.10	-56.35	6.88	V	-48.13	-25.00		

▣ NR Band: n41

▣ Bandwidth: 60 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
505200 (2526.000)	5 052.00	-61.51	10.70	-63.16	3.63	V	-56.09	-25.00	1	1
	7 578.00	-63.30	11.10	-56.51	4.54	V	-49.95	-25.00		
	10 104.00	-63.85	11.10	-55.01	5.29	V	-49.20	-25.00		
	12 630.00	-63.51	12.00	-54.28	6.02	V	-48.30	-25.00		
	15 156.00	-58.91	14.20	-53.42	6.67	V	-45.89	-25.00		
518598 (2592.990)	5 185.98	-62.91	11.00	-64.41	3.70	V	-57.11	-25.00	1	1
	7 778.97	-64.33	10.90	-56.95	4.61	V	-50.66	-25.00		
	10 371.96	-64.15	11.20	-53.45	5.41	V	-47.66	-25.00		
	12 964.95	-63.53	12.00	-53.60	6.11	V	-47.71	-25.00		
	15 557.94	-61.67	15.40	-56.34	6.77	V	-47.71	-25.00		
531996 (2659.980)	5 319.96	-61.62	11.40	-64.36	3.66	V	-56.62	-25.00	1	1
	7 979.94	-62.33	10.70	-55.08	4.67	V	-49.05	-25.00		
	10 639.92	-64.45	11.20	-53.02	5.49	V	-47.31	-25.00		
	13 299.90	-63.57	12.00	-53.42	6.19	V	-47.61	-25.00		
	15 959.88	-64.42	15.10	-55.76	6.87	V	-47.53	-25.00		

▣ NR Band: n41

▣ Bandwidth: 70 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
506202 (2531.010)	5 062.02	-62.24	10.70	-63.22	3.65	V	-56.17	-25.00	1	1
	7 593.03	-65.47	11.15	-58.43	4.53	V	-51.81	-25.00		
	10 124.04	-63.66	11.10	-54.78	5.30	V	-48.98	-25.00		
	12 655.05	-64.40	11.90	-54.89	6.03	V	-49.02	-25.00		
	15 186.06	-59.84	14.20	-54.59	6.67	V	-47.06	-25.00		
518598 (2592.990)	5 185.98	-62.77	11.00	-64.27	3.70	V	-56.97	-25.00	1	1
	7 778.97	-63.67	10.90	-56.29	4.61	V	-50.00	-25.00		
	10 371.96	-63.71	11.20	-53.01	5.41	V	-47.22	-25.00		
	12 964.95	-63.93	12.00	-54.00	6.11	V	-48.11	-25.00		
	15 557.94	-61.81	15.40	-56.48	6.77	V	-47.85	-25.00		
531000 (2655.000)	5 310.00	-63.57	11.40	-65.81	3.65	V	-58.06	-25.00	1	1
	7 965.00	-62.62	10.70	-55.45	4.65	V	-49.40	-25.00		
	10 620.00	-64.49	11.20	-53.80	5.41	V	-48.01	-25.00		
	13 275.00	-64.98	12.10	-54.65	6.22	V	-48.77	-25.00		
	15 930.00	-64.20	15.00	-55.93	6.88	V	-47.81	-25.00		

▣ NR Band: n41

▣ Bandwidth: 80 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
507204 (2536.020)	5 072.04	-63.05	10.70	-64.33	3.62	V	-57.25	-25.00	1	1
	7 608.06	-62.62	11.20	-55.61	4.52	V	-48.93	-25.00		
	10 144.08	-63.77	11.05	-54.30	5.32	V	-48.57	-25.00		
	12 680.10	-63.40	11.90	-53.19	6.06	V	-47.35	-25.00		
	15 216.12	-59.54	14.40	-54.58	6.69	V	-46.87	-25.00		
518598 (2592.990)	5 185.98	-62.62	11.00	-64.12	3.70	V	-56.82	-25.00	1	1
	7 778.97	-65.09	10.90	-57.71	4.61	V	-51.42	-25.00		
	10 371.96	-64.89	11.20	-54.19	5.41	V	-48.40	-25.00		
	12 964.95	-64.31	12.00	-54.38	6.11	V	-48.49	-25.00		
	15 557.94	-60.60	15.40	-55.27	6.77	V	-46.64	-25.00		
529998 (2649.990)	5 299.98	-62.27	11.40	-64.38	3.69	V	-56.67	-25.00	1	1
	7 949.97	-61.21	10.70	-53.90	4.64	V	-47.84	-25.00		
	10 599.96	-62.82	11.20	-51.63	5.41	V	-45.84	-25.00		
	13 249.95	-64.26	12.10	-54.20	6.18	V	-48.28	-25.00		
	15 899.94	-63.24	15.00	-55.41	6.87	V	-47.28	-25.00		

▣ NR Band: n41

▣ Bandwidth: 90 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
508200 (2541.000)	5 082.00	-62.63	10.70	-64.27	3.61	V	-57.18	-25.00	1	1
	7 623.00	-63.48	11.20	-57.08	4.52	V	-50.40	-25.00		
	10 164.00	-63.83	11.00	-54.75	5.33	V	-49.08	-25.00		
	12 705.00	-64.18	11.90	-53.66	6.06	V	-47.82	-25.00		
	15 246.00	-61.06	14.50	-55.18	6.73	V	-47.41	-25.00		
518598 (2592.990)	5 185.98	-62.02	11.00	-63.52	3.70	V	-56.22	-25.00	1	1
	7 778.97	-62.89	10.90	-55.51	4.61	V	-49.22	-25.00		
	10 371.96	-62.84	11.20	-52.14	5.41	V	-46.35	-25.00		
	12 964.95	-63.68	12.00	-53.75	6.11	V	-47.86	-25.00		
	15 557.94	-60.73	15.40	-55.40	6.77	V	-46.77	-25.00		
528996 (2644.980)	5 289.96	-62.38	11.30	-63.85	3.73	V	-56.28	-25.00	1	1
	7 934.94	-63.61	10.70	-56.26	4.64	V	-50.20	-25.00		
	10 579.92	-63.42	11.20	-52.97	5.46	V	-47.23	-25.00		
	13 224.90	-61.50	12.10	-51.47	6.16	V	-45.53	-25.00		
	15 869.88	-62.68	14.90	-55.93	6.85	V	-47.88	-25.00		

▣ NR Band: n41

▣ Bandwidth: 100 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
509202 (2546.010)	5 092.02	-62.82	10.70	-64.97	3.64	V	-57.91	-25.00	1	1
	7 638.03	-64.39	11.20	-58.00	4.53	V	-51.33	-25.00		
	10 184.04	-63.49	11.00	-54.03	5.33	V	-48.36	-25.00		
	12 730.05	-64.07	11.90	-53.62	6.02	V	-47.74	-25.00		
	15 276.06	-60.90	14.60	-55.03	6.71	V	-47.14	-25.00		
518598 (2592.990)	5 185.98	-63.06	11.00	-64.56	3.70	V	-57.26	-25.00	1	1
	7 778.97	-64.43	10.90	-57.05	4.61	V	-50.76	-25.00		
	10 371.96	-64.54	11.20	-53.84	5.41	V	-48.05	-25.00		
	12 964.95	-64.22	12.00	-54.29	6.11	V	-48.40	-25.00		
	15 557.94	-62.65	15.40	-57.32	6.77	V	-48.69	-25.00		
528000 (2640.000)	5 280.00	-62.44	11.30	-64.35	3.75	V	-56.80	-25.00	1	1
	7 920.00	-62.50	10.70	-55.32	4.63	V	-49.25	-25.00		
	10 560.00	-64.18	11.20	-54.27	5.45	V	-48.52	-25.00		
	13 200.00	-63.52	12.10	-53.08	6.19	V	-47.17	-25.00		
	15 840.00	-63.44	14.90	-56.33	6.84	V	-48.27	-25.00		

8.3 PEAK-TO-AVERAGE RATIO

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (dB)
Sub6 n41	10 MHz	2592.990	BPSK	24	0	3.73
			QPSK			4.39
			16-QAM			5.42
			64-QAM			5.84
			256-QAM			6.61
	15 MHz		BPSK	36		3.79
			QPSK			4.37
			16-QAM			5.33
			64-QAM			5.84
			256-QAM			6.49
	20 MHz		BPSK	50		3.70
			QPSK			4.33
			16-QAM			5.32
			64-QAM			5.82
			256-QAM			6.64
	25 MHz		BPSK	64		3.92
			QPSK			4.48
			16-QAM			5.70
			64-QAM			6.05
			256-QAM			6.50
	30 MHz		BPSK	75		3.88
			QPSK			4.41
			16-QAM			5.36
			64-QAM			5.97
			256-QAM			6.59
	40 MHz		BPSK	100		3.80
			QPSK			4.36
			16-QAM			5.35
			64-QAM			5.86
			256-QAM			6.54
	50 MHz		BPSK	128		4.00
			QPSK			4.55
			16-QAM			5.50
			64-QAM			5.93
			256-QAM			6.59

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (dB)
Sub6 n41	60 MHz	2592.990	BPSK	162	0	4.13
			QPSK			4.66
			16-QAM			5.55
			64-QAM			6.12
			256-QAM			6.63
	70 MHz		BPSK	180		3.92
			QPSK			4.55
			16-QAM			5.61
			64-QAM			6.01
			256-QAM			6.70
	80 MHz		BPSK	216		4.09
			QPSK			4.63
			16-QAM			5.64
			64-QAM			6.15
			256-QAM			6.72
	90 MHz		BPSK	243		4.05
			QPSK			4.59
			16-QAM			5.61
			64-QAM			6.06
			256-QAM			6.65
	100 MHz		BPSK	270		4.46
			QPSK			5.00
			16-QAM			5.91
			64-QAM			6.39
			256-QAM			6.69

Note:

1. Plots of the EUT's Peak- to- Average Ratio are shown Page 118 ~ 177.

8.4 OCCUPIED BANDWIDTH

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (MHz)
Sub6 n41	10 MHz	2592.990	BPSK	24	0	8.6544
			QPSK			8.6912
			16-QAM			8.7050
			64-QAM			8.7249
			256-QAM			8.6940
	15 MHz		BPSK	36		12.979
			QPSK			13.029
			16-QAM			12.911
			64-QAM			12.952
			256-QAM			12.962
	20 MHz		BPSK	50		17.978
			QPSK			17.957
			16-QAM			17.954
			64-QAM			18.007
			256-QAM			18.034
	25 MHz		BPSK	64		22.978
			QPSK			23.008
			16-QAM			22.994
			64-QAM			22.933
			256-QAM			23.031
	30 MHz		BPSK	75		26.957
			QPSK			26.941
			16-QAM			26.939
			64-QAM			26.889
			256-QAM			27.023
	40 MHz		BPSK	100		36.000
			QPSK			35.840
			16-QAM			35.864
			64-QAM			35.884
			256-QAM			35.935
	50 MHz		BPSK	128		45.932
			QPSK			45.924
			16-QAM			45.856
			64-QAM			45.898
			256-QAM			45.865

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (MHz)
Sub6 n41	60 MHz	2592.990	BPSK	162	0	58.045
			QPSK			57.989
			16-QAM			58.055
			64-QAM			57.966
			256-QAM			57.975
	70 MHz		BPSK	180		64.472
			QPSK			64.664
			16-QAM			64.582
			64-QAM			64.617
			256-QAM			64.801
	80 MHz		BPSK	216		77.326
			QPSK			77.357
			16-QAM			77.295
			64-QAM			77.199
			256-QAM			77.291
	90 MHz		BPSK	243		86.969
			QPSK			87.027
			16-QAM			86.880
			64-QAM			87.005
			256-QAM			86.983
	100 MHz		BPSK	270		96.529
			QPSK			96.849
			16-QAM			96.736
			64-QAM			96.557
			256-QAM			96.529

Note:

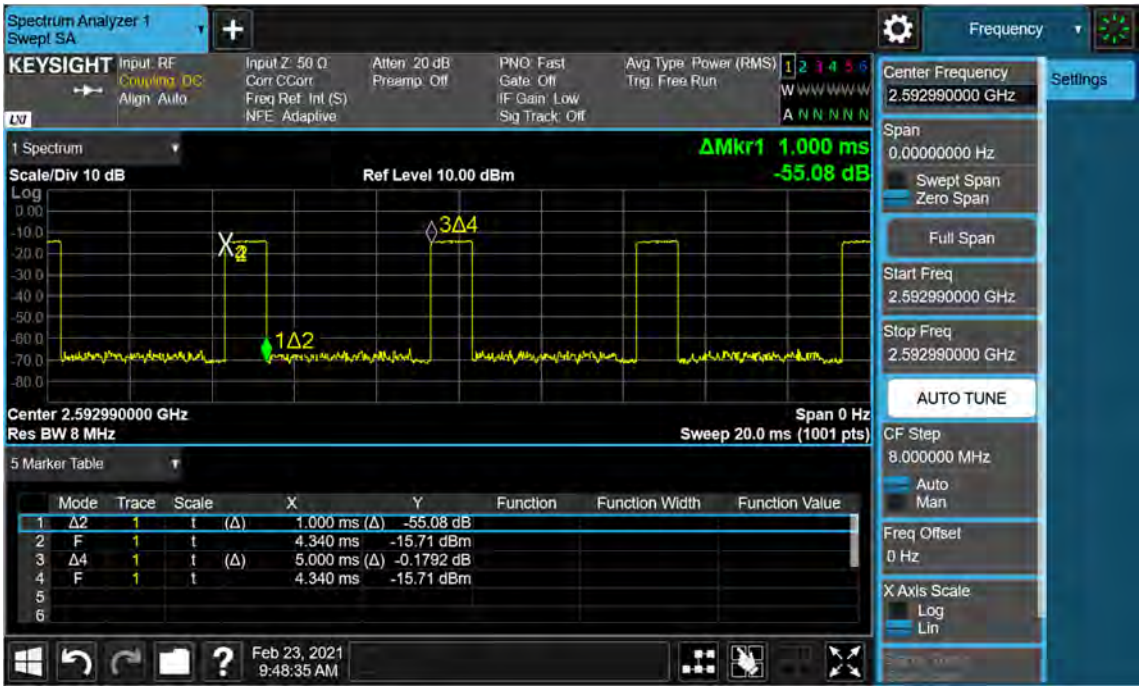
1. Plots of the EUT's Occupied Bandwidth are shown Page 178 ~ 237.

8.5 CONDUCTED SPURIOUS EMISSIONS

Band	Band Width (MHz)	Frequency (MHz)	Frequency of Maximum Harmonic (GHz)	Factor (dB)	Measurement Maximum Data (dBm)	Result (dBm)	Limit (dBm)
Sub6 n41	10	2501.010	3.7573	37.190	-71.480	-34.290	-25.00
		2592.990	7.1386	37.805	-71.027	-33.222	
		2685.000	4.0379	37.190	-70.916	-33.726	
	15	2503.500	5.1815	37.805	-70.174	-32.369	
		2592.990	3.8156	37.190	-69.693	-32.503	
		2682.480	4.0374	37.190	-71.011	-33.821	
	20	2506.020	9.9796	37.805	-70.703	-32.898	
		2592.990	3.8017	37.190	-70.974	-33.784	
		2679.990	4.0688	37.190	-70.399	-33.209	
	25	2508.510	3.7304	37.190	-70.900	-33.710	
		2592.990	9.9437	37.805	-70.101	-32.296	
		2677.500	9.1341	37.805	-70.984	-33.179	
	30	2511.000	3.8046	37.190	-70.493	-33.303	
		2592.990	8.2602	37.805	-70.180	-32.375	
		2674.980	8.2458	37.805	-70.627	-32.822	
	40	2516.010	6.0409	37.805	-70.879	-33.074	
		2592.990	8.3016	37.805	-70.307	-32.502	
		2670.000	4.0424	37.190	-69.933	-32.743	
	50	2521.020	8.8535	37.805	-70.769	-32.964	
		2592.990	8.2328	37.805	-69.785	-31.980	
		2664.990	9.7154	37.805	-71.022	-33.217	
	60	2526.000	8.8405	37.805	-70.965	-33.160	
		2592.990	8.2483	37.805	-70.777	-32.972	
		2659.980	8.0010	37.805	-69.880	-32.075	
	70	2531.010	5.9741	37.805	-71.408	-33.603	
		2592.990	9.1535	37.805	-69.964	-32.159	
		2655.000	8.2882	37.805	-70.896	-33.091	
	80	2536.020	7.9372	37.805	-70.503	-32.698	
		2592.990	8.2862	37.805	-71.223	-33.418	
		2649.990	8.2901	37.805	-69.856	-32.051	
	90	2541.000	4.0629	37.190	-69.644	-32.454	
		2592.990	8.0035	37.805	-70.448	-32.643	
		2644.980	8.2901	37.805	-70.342	-32.537	
	100	2546.010	8.8943	37.805	-70.554	-32.749	
		2592.990	8.2971	37.805	-70.132	-32.327	
		2640.000	5.1920	37.805	-70.786	-32.981	

Note:

1. Plots of the EUT's Conducted Spurious Emissions are shown Page 238 ~ 309.
2. Duty Cycle factor already applied on the factor.
   - Duty Cycle Factor(dB) = 6.99



   - Factor(dB) = Duty Cycle factor + Cable Loss + Ext. Attenuator + Power Splitter
   - Result(dBm) = Reading + Factor

3. Factor(dB)

Frequency Range (GHz)	Factor [dB]
0.03 – 1	34.484
1 – 5	37.190
5 – 10	37.805
10 – 15	38.330
15 – 20	38.703
Above 20	39.345

8.6 CHANNEL EDGE

BW	Test. Frequncy (MHz)	Modulation	Resource Block Size	2 495 MHz ~ 2 496 MHz	C.E ~ (C.E +1MHz)	2 490.5 MHz ~ 2 495 MHz	(C.E + 1 MHz) ~ (C.E + 5 MHz)	Below 2 490.5 MHz	(C.E + 5 MHz) ~ (C.E + X MHz)	Above (C.E + X MHz)
				Lower	Upper	Lower	Upper	Lower	Upper	Upper
10 MHz	2501.010	BPSK	Full RB	-28.53	-28.75	-32.71	-34.65	-35.65	-44.18	-40.97
15 MHz	2503.500	BPSK	Full RB	-26.47	-39.52	-33.01	-42.23	-33.53	-41.74	-42.87
20 MHz	2506.020	BPSK	Full RB	-29.06	-34.69	-33.27	-38.04	-34.90	-36.35	-42.24
25 MHz	2508.510	BPSK	Full RB	-29.88	-32.57	-35.21	-39.13	-36.89	-35.96	-41.40
30 MHz	2511.000	BPSK	Full RB	-29.10	-39.22	-32.79	-39.65	-38.82	-37.74	-45.89
40 MHz	2516.010	BPSK	Full RB	-30.03	-36.19	-35.61	-36.60	-48.46	-36.33	-43.14
50 MHz	2521.020	BPSK	Full RB	-30.45	-33.29	-37.34	-33.21	-38.08	-35.13	-42.00
60 MHz	2526.000	BPSK	Full RB	-23.26	-23.62	-35.71	-34.35	-37.68	-35.52	-42.87
70 MHz	2531.010	BPSK	Full RB	-30.17	-38.18	-37.15	-38.39	-37.22	-37.60	-41.59
80 MHz	2536.020	BPSK	Full RB	-28.79	-34.58	-35.17	-37.05	-35.43	-37.25	-47.18
90 MHz	2541.000	BPSK	Full RB	-26.58	-30.51	-33.81	-31.56	-35.12	-32.53	-43.49
100 MHz	2546.010	BPSK	Full RB	-27.38	-43.61	-37.70	-44.76	-38.59	-40.63	-45.82
Limit				-13.0	-10.0	-13.0	-10.0	-25.0	-13.0	-25.0

Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resoure Block Offset	C.E ~ (C.E ± 1 MHz)		(C.E ± 1 MHz) ~ (C.E ± 5 MHz)	
					Lower	Upper	Lower	Upper
10 MHz	2592.990	BPSK	Full RB	0	-26.35	-28.62	-32.52	-32.47
	2685.000	BPSK	Full RB	0	-26.61	-29.88	-32.26	-35.60
15 MHz	2592.990	BPSK	Full RB	0	-26.99	-35.93	-34.91	-39.36
	2682.480	BPSK	Full RB	0	-27.25	-39.62	-32.82	-42.76
20 MHz	2592.990	BPSK	Full RB	0	-27.81	-32.25	-33.77	-35.33
	2679.990	BPSK	Full RB	0	-29.56	-34.90	-32.91	-42.18
25 MHz	2592.990	BPSK	Full RB	0	-28.21	-34.00	-35.95	-38.15
	2677.500	BPSK	Full RB	0	-26.75	-34.82	-32.27	-39.81
30 MHz	2592.990	BPSK	Full RB	0	-29.22	-41.26	-36.52	-40.53
	2679.990	BPSK	Full RB	0	-28.43	-39.79	-33.78	-40.32
40 MHz	2592.990	BPSK	Full RB	0	-29.86	-38.20	-38.12	-40.16
	2670.000	BPSK	Full RB	0	-28.86	-34.51	-32.87	-35.95
50 MHz	2592.990	BPSK	Full RB	0	-31.30	-37.74	-37.19	-38.49
	2664.990	BPSK	Full RB	0	-30.09	-41.74	-37.42	-43.76
60 MHz	2592.990	BPSK	Full RB	0	-21.83	-23.13	-38.87	-36.68
	2659.980	BPSK	Full RB	0	-20.24	-25.17	-36.79	-40.37
70 MHz	2592.990	BPSK	Full RB	0	-29.90	-37.00	-41.23	-37.92
	2655.000	BPSK	Full RB	0	-27.96	-40.52	-37.93	-42.27
80 MHz	2592.990	BPSK	Full RB	0	-28.16	-35.52	-37.92	-39.70
	2649.990	BPSK	Full RB	0	-25.29	-37.71	-36.72	-41.27
90 MHz	2592.990	BPSK	Full RB	0	-26.69	-39.48	-37.91	-40.54
	2644.980	BPSK	Full RB	0	-26.12	-37.11	-36.96	-38.92
100 MHz	2592.990	BPSK	Full RB	0	-24.98	-40.75	-36.26	-42.88
	2640.000	BPSK	Full RB	0	-24.44	-39.59	-36.90	-40.22
Limit (dBm)					-10.0		-10.0	

Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resoure Block Offset	(C.E ± 5 MHz) ~ (C.E ± X MHz)		Above (C.E ± X MHz)	
					Lower	Upper	Lower	Upper
10 MHz	2592.990	BPSK	Full RB	0	-43.62	-39.29	-42.22	-42.77
	2685.000	BPSK	Full RB	0	-33.68	-40.62	-44.46	-44.37
15 MHz	2592.990	BPSK	Full RB	0	-40.45	-36.71	-45.41	-45.14
	2682.480	BPSK	Full RB	0	-33.68	-44.94	-46.68	-47.35
20 MHz	2592.990	BPSK	Full RB	0	-38.85	-35.65	-46.74	-44.26
	2679.990	BPSK	Full RB	0	-33.00	-41.86	-42.70	-46.60
25 MHz	2592.990	BPSK	Full RB	0	-39.03	-36.50	-47.66	-44.47
	2677.500	BPSK	Full RB	0	-33.64	-42.59	-43.92	-47.91
30 MHz	2592.990	BPSK	Full RB	0	-40.70	-37.31	-48.25	-45.24
	2679.990	BPSK	Full RB	0	-35.10	-40.54	-47.36	-48.16
40 MHz	2592.990	BPSK	Full RB	0	-41.15	-38.42	-47.83	-45.55
	2670.000	BPSK	Full RB	0	-35.13	-39.17	-47.44	-48.20
50 MHz	2592.990	BPSK	Full RB	0	-40.98	-38.41	-48.20	-45.88
	2664.990	BPSK	Full RB	0	-38.82	-44.33	-46.43	-48.36
60 MHz	2592.990	BPSK	Full RB	0	-37.46	-36.69	-47.62	-45.12
	2659.980	BPSK	Full RB	0	-37.11	-40.82	-45.26	-48.34
70 MHz	2592.990	BPSK	Full RB	0	-38.94	-36.53	-47.61	-46.43
	2655.000	BPSK	Full RB	0	-35.30	-41.33	-45.38	-48.39
80 MHz	2592.990	BPSK	Full RB	0	-36.90	-40.51	-48.54	-47.58
	2649.990	BPSK	Full RB	0	-36.19	-41.50	-44.63	-48.62
90 MHz	2592.990	BPSK	Full RB	0	-37.18	-38.54	-48.43	-45.48
	2644.980	BPSK	Full RB	0	-34.16	-40.31	-47.84	-48.47
100 MHz	2592.990	BPSK	Full RB	0	-34.41	-38.29	-48.82	-47.37
	2640.000	BPSK	Full RB	0	-36.79	-38.22	-48.86	-48.95
Limit (dBm)					-13.0		-25.0	

Note:

1. C.E = Channel Edge
2. X = X is the greater of 6 MHz or the actual emission bandwidth
3. Duty Cycle factor already applied on the factor.
   - Factor(dB) = Duty Cycle factor + Cable Loss + Ext. Attenuator + Power Splitter
   - Result(dBm) = Reading + Factor
   - Duty Cycle Factor(dB) = 6.99
4. Plots of the EUT's Channel Edge are shown Page 310 ~ 393. (1RB & Full RB)

8.7 FREQUENCY STABILITY / VARIATION OF AMBIENT TEMPERATURE

▣ BandWidth: 10 MHz
▣ Voltage(100 %): 3.880 VDC
▣ Batt. Endpoint: 3.300 VDC
▣ LIMIT: Emission must remain in band

Test. Frequncy	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2501.010	100 %	+20(Ref)	2501 009 999	0.0	0.000 000	0.000
	100 %	-30	2501 009 999	-0.2	0.000 000	0.000
	100 %	-20	2501 009 998	-0.6	0.000 000	0.000
	100 %	-10	2501 009 996	-3.1	0.000 000	-0.001
	100 %	0	2501 009 996	-2.4	0.000 000	-0.001
	100 %	+10	2501 009 999	0.5	0.000 000	0.000
	100 %	+30	2501 009 995	-3.7	0.000 000	-0.001
	100 %	+40	2501 009 997	-1.6	0.000 000	-0.001
	100 %	+50	2501 009 999	0.2	0.000 000	0.000
	Batt. Endpoint	+20	2501 009 995	-4.0	0.000 000	-0.002
2685.000	100 %	+20(Ref)	2684 999 997	0.0	0.000 000	0.000
	100 %	-30	2684 999 998	0.6	0.000 000	0.000
	100 %	-20	2684 999 998	0.4	0.000 000	0.000
	100 %	-10	2684 999 994	-3.8	0.000 000	-0.001
	100 %	0	2684 999 995	-2.8	0.000 000	-0.001
	100 %	+10	2684 999 995	-2.5	0.000 000	-0.001
	100 %	+30	2684 999 997	-0.8	0.000 000	0.000
	100 %	+40	2684 999 998	0.1	0.000 000	0.000
	100 %	+50	2684 999 996	-1.7	0.000 000	-0.001
	Batt. Endpoint	+20	2684 999 993	-4.7	0.000 000	-0.002

▣ BandWidth: 15 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2503.500	100 %	+20(Ref)	2503 499 998	0.0	0.000 000	0.000
	100 %	-30	2503 499 997	-1.0	0.000 000	0.000
	100 %	-20	2503 499 995	-3.5	0.000 000	-0.001
	100 %	-10	2503 499 997	-1.4	0.000 000	-0.001
	100 %	0	2503 499 995	-3.6	0.000 000	-0.001
	100 %	+10	2503 499 998	0.3	0.000 000	0.000
	100 %	+30	2503 499 998	-0.5	0.000 000	0.000
	100 %	+40	2503 499 998	-0.4	0.000 000	0.000
	100 %	+50	2503 500 001	2.9	0.000 000	0.001
	Batt. Endpoint	+20	2503 499 995	-3.1	0.000 000	-0.001
2682.480	100 %	+20(Ref)	2682 480 001	0.0	0.000 000	0.000
	100 %	-30	2682 480 002	1.1	0.000 000	0.000
	100 %	-20	2682 480 003	2.4	0.000 000	0.001
	100 %	-10	2682 480 002	0.5	0.000 000	0.000
	100 %	0	2682 480 005	3.7	0.000 000	0.001
	100 %	+10	2682 480 002	1.3	0.000 000	0.000
	100 %	+30	2682 480 006	5.4	0.000 000	0.002
	100 %	+40	2682 480 003	2.0	0.000 000	0.001
	100 %	+50	2682 480 005	4.1	0.000 000	0.002
	Batt. Endpoint	+20	2682 480 002	0.5	0.000 000	0.000

▣ BandWidth: 20 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2506.020	100 %	+20(Ref)	2506 020 001	0.0	0.000 000	0.000
	100 %	-30	2506 020 002	1.1	0.000 000	0.000
	100 %	-20	2506 019 998	-3.0	0.000 000	-0.001
	100 %	-10	2506 020 000	-0.3	0.000 000	0.000
	100 %	0	2506 020 003	2.3	0.000 000	0.001
	100 %	+10	2506 020 003	2.2	0.000 000	0.001
	100 %	+30	2506 020 002	1.6	0.000 000	0.001
	100 %	+40	2506 020 000	-1.1	0.000 000	0.000
	100 %	+50	2506 020 002	1.5	0.000 000	0.001
	Batt. Endpoint	+20	2506 020 002	1.2	0.000 000	0.000
2679.990	100 %	+20(Ref)	2679 990 004	0.0	0.000 000	0.000
	100 %	-30	2679 990 005	1.4	0.000 000	0.001
	100 %	-20	2679 990 007	2.7	0.000 000	0.001
	100 %	-10	2679 990 005	1.0	0.000 000	0.000
	100 %	0	2679 990 004	0.4	0.000 000	0.000
	100 %	+10	2679 990 003	-1.1	0.000 000	0.000
	100 %	+30	2679 990 004	-0.5	0.000 000	0.000
	100 %	+40	2679 990 004	-0.3	0.000 000	0.000
	100 %	+50	2679 990 003	-1.0	0.000 000	0.000
	Batt. Endpoint	+20	2679 990 003	-0.8	0.000 000	0.000

▣ BandWidth: 25 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2508.510	100 %	+20(Ref)	2508 510 000	0.0	0.000 000	0.000
	100 %	-30	2508 510 000	0.3	0.000 000	0.000
	100 %	-20	2508 509 998	-2.2	0.000 000	-0.001
	100 %	-10	2508 509 999	-0.7	0.000 000	0.000
	100 %	0	2508 510 001	1.4	0.000 000	0.001
	100 %	+10	2508 509 999	-0.5	0.000 000	0.000
	100 %	+30	2508 509 998	-2.1	0.000 000	-0.001
	100 %	+40	2508 510 002	2.1	0.000 000	0.001
	100 %	+50	2508 510 002	2.1	0.000 000	0.001
	Batt. Endpoint	+20	2508 510 003	3.4	0.000 000	0.001
2677.500	100 %	+20(Ref)	2677 499 999	0.0	0.000 000	0.000
	100 %	-30	2677 499 999	0.1	0.000 000	0.000
	100 %	-20	2677 499 999	0.5	0.000 000	0.000
	100 %	-10	2677 499 998	-1.2	0.000 000	0.000
	100 %	0	2677 500 000	1.2	0.000 000	0.000
	100 %	+10	2677 500 002	3.5	0.000 000	0.001
	100 %	+30	2677 500 001	2.4	0.000 000	0.001
	100 %	+40	2677 500 001	2.0	0.000 000	0.001
	100 %	+50	2677 500 001	2.4	0.000 000	0.001
	Batt. Endpoint	+20	2677 500 003	3.8	0.000 000	0.001

▣ BandWidth: 30 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2511.000	100 %	+20(Ref)	2510 999 995	0.0	0.000 000	0.000
	100 %	-30	2510 999 995	0.4	0.000 000	0.000
	100 %	-20	2510 999 990	-4.8	0.000 000	-0.002
	100 %	-10	2510 999 992	-2.2	0.000 000	-0.001
	100 %	0	2510 999 991	-3.4	0.000 000	-0.001
	100 %	+10	2510 999 991	-3.3	0.000 000	-0.001
	100 %	+30	2510 999 994	-0.8	0.000 000	0.000
	100 %	+40	2510 999 994	-0.6	0.000 000	0.000
	100 %	+50	2510 999 998	3.6	0.000 000	0.001
	Batt. Endpoint	+20	2510 999 995	0.2	0.000 000	0.000
2674.980	100 %	+20(Ref)	2674 979 999	0.0	0.000 000	0.000
	100 %	-30	2674 979 994	-4.9	0.000 000	-0.002
	100 %	-20	2674 979 998	-0.7	0.000 000	0.000
	100 %	-10	2674 979 995	-3.7	0.000 000	-0.001
	100 %	0	2674 979 997	-2.2	0.000 000	-0.001
	100 %	+10	2674 979 997	-1.5	0.000 000	-0.001
	100 %	+30	2674 979 999	-0.4	0.000 000	0.000
	100 %	+40	2674 979 995	-4.3	0.000 000	-0.002
	100 %	+50	2674 979 995	-3.4	0.000 000	-0.001
	Batt. Endpoint	+20	2674 979 999	-0.1	0.000 000	0.000

▣ BandWidth: 40 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2516.010	100 %	+20(Ref)	2516 010 001	0.0	0.000 000	0.000
	100 %	-30	2516 009 999	-2.2	0.000 000	-0.001
	100 %	-20	2516 009 997	-4.4	0.000 000	-0.002
	100 %	-10	2516 009 997	-3.7	0.000 000	-0.001
	100 %	0	2516 009 999	-1.9	0.000 000	-0.001
	100 %	+10	2516 009 997	-4.7	0.000 000	-0.002
	100 %	+30	2516 009 999	-2.5	0.000 000	-0.001
	100 %	+40	2516 010 002	0.6	0.000 000	0.000
	100 %	+50	2516 009 999	-2.6	0.000 000	-0.001
	Batt. Endpoint	+20	2516 010 001	0.3	0.000 000	0.000
2670.000	100 %	+20(Ref)	2669 999 999	0.0	0.000 000	0.000
	100 %	-30	2669 999 998	-0.9	0.000 000	0.000
	100 %	-20	2669 999 997	-1.6	0.000 000	-0.001
	100 %	-10	2669 999 999	0.6	0.000 000	0.000
	100 %	0	2669 999 999	0.3	0.000 000	0.000
	100 %	+10	2669 999 997	-1.4	0.000 000	-0.001
	100 %	+30	2669 999 999	0.0	0.000 000	0.000
	100 %	+40	2669 999 999	0.1	0.000 000	0.000
	100 %	+50	2670 000 000	1.6	0.000 000	0.001
	Batt. Endpoint	+20	2669 999 999	0.1	0.000 000	0.000

▣ BandWidth: 50 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2521.020	100 %	+20(Ref)	2521 019 999	0.0	0.000 000	0.000
	100 %	-30	2521 020 000	0.7	0.000 000	0.000
	100 %	-20	2521 019 998	-1.8	0.000 000	-0.001
	100 %	-10	2521 020 000	0.1	0.000 000	0.000
	100 %	0	2521 019 999	-0.1	0.000 000	0.000
	100 %	+10	2521 019 999	-0.5	0.000 000	0.000
	100 %	+30	2521 019 997	-2.3	0.000 000	-0.001
	100 %	+40	2521 020 000	0.5	0.000 000	0.000
	100 %	+50	2521 019 999	-0.2	0.000 000	0.000
	Batt. Endpoint	+20	2521 020 001	1.3	0.000 000	0.001
2664.990	100 %	+20(Ref)	2664 990 001	0.0	0.000 000	0.000
	100 %	-30	2664 990 002	1.2	0.000 000	0.000
	100 %	-20	2664 990 004	2.7	0.000 000	0.001
	100 %	-10	2664 990 004	3.3	0.000 000	0.001
	100 %	0	2664 990 003	1.5	0.000 000	0.001
	100 %	+10	2664 990 001	0.4	0.000 000	0.000
	100 %	+30	2664 990 000	-1.0	0.000 000	0.000
	100 %	+40	2664 990 001	-0.5	0.000 000	0.000
	100 %	+50	2664 990 000	-0.8	0.000 000	0.000
	Batt. Endpoint	+20	2664 990 001	-0.1	0.000 000	0.000

▣ BandWidth: 60 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2526.000	100 %	+20(Ref)	2525 999 999	0.0	0.000 000	0.000
	100 %	-30	2525 999 999	-0.6	0.000 000	0.000
	100 %	-20	2525 999 997	-2.0	0.000 000	-0.001
	100 %	-10	2525 999 998	-0.6	0.000 000	0.000
	100 %	0	2526 000 004	4.8	0.000 000	0.002
	100 %	+10	2525 999 999	0.1	0.000 000	0.000
	100 %	+30	2525 999 998	-0.7	0.000 000	0.000
	100 %	+40	2526 000 000	1.2	0.000 000	0.000
	100 %	+50	2526 000 003	3.6	0.000 000	0.001
	Batt. Endpoint	+20	2526 000 001	1.8	0.000 000	0.001
2659.980	100 %	+20(Ref)	2659 980 001	0.0	0.000 000	0.000
	100 %	-30	2659 980 002	1.0	0.000 000	0.000
	100 %	-20	2659 980 003	1.2	0.000 000	0.000
	100 %	-10	2659 980 000	-1.4	0.000 000	-0.001
	100 %	0	2659 980 003	1.5	0.000 000	0.001
	100 %	+10	2659 980 002	0.6	0.000 000	0.000
	100 %	+30	2659 980 002	0.7	0.000 000	0.000
	100 %	+40	2659 980 004	2.5	0.000 000	0.001
	100 %	+50	2659 980 003	1.5	0.000 000	0.001
	Batt. Endpoint	+20	2659 980 003	1.5	0.000 000	0.001

▣ BandWidth: 70 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2531.010	100 %	+20(Ref)	2531 010 002	0.0	0.000 000	0.000
	100 %	-30	2531 010 001	-0.8	0.000 000	0.000
	100 %	-20	2531 010 003	1.3	0.000 000	0.001
	100 %	-10	2531 010 004	1.7	0.000 000	0.001
	100 %	0	2531 010 003	0.5	0.000 000	0.000
	100 %	+10	2531 010 003	0.4	0.000 000	0.000
	100 %	+30	2531 010 003	1.3	0.000 000	0.001
	100 %	+40	2531 010 002	0.3	0.000 000	0.000
	100 %	+50	2531 010 004	1.6	0.000 000	0.001
	Batt. Endpoint	+20	2531 010 002	0.4	0.000 000	0.000
2655.000	100 %	+20(Ref)	2655 000 000	0.0	0.000 000	0.000
	100 %	-30	2655 000 002	1.8	0.000 000	0.001
	100 %	-20	2655 000 000	0.2	0.000 000	0.000
	100 %	-10	2655 000 000	0.2	0.000 000	0.000
	100 %	0	2654 999 998	-1.8	0.000 000	-0.001
	100 %	+10	2654 999 998	-2.1	0.000 000	-0.001
	100 %	+30	2654 999 998	-2.7	0.000 000	-0.001
	100 %	+40	2655 000 001	0.9	0.000 000	0.000
	100 %	+50	2654 999 999	-1.1	0.000 000	0.000
	Batt. Endpoint	+20	2654 999 996	-3.9	0.000 000	-0.001

▣ BandWidth: 80 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2536.020	100 %	+20(Ref)	2536 020 002	0.0	0.000 000	0.000
	100 %	-30	2536 020 003	1.2	0.000 000	0.000
	100 %	-20	2536 020 002	-0.2	0.000 000	0.000
	100 %	-10	2536 020 004	1.9	0.000 000	0.001
	100 %	0	2536 020 004	1.9	0.000 000	0.001
	100 %	+10	2536 019 998	-4.3	0.000 000	-0.002
	100 %	+30	2536 020 000	-2.0	0.000 000	-0.001
	100 %	+40	2536 019 999	-3.3	0.000 000	-0.001
	100 %	+50	2536 019 998	-4.0	0.000 000	-0.002
	Batt. Endpoint	+20	2536 020 003	0.4	0.000 000	0.000
2649.990	100 %	+20(Ref)	2649 989 998	0.0	0.000 000	0.000
	100 %	-30	2649 989 996	-1.9	0.000 000	-0.001
	100 %	-20	2649 989 996	-1.9	0.000 000	-0.001
	100 %	-10	2649 989 992	-6.1	0.000 000	-0.002
	100 %	0	2649 989 992	-6.1	0.000 000	-0.002
	100 %	+10	2649 989 994	-4.4	0.000 000	-0.002
	100 %	+30	2649 989 996	-1.9	0.000 000	-0.001
	100 %	+40	2649 989 994	-4.2	0.000 000	-0.002
	100 %	+50	2649 989 995	-2.6	0.000 000	-0.001
	Batt. Endpoint	+20	2649 989 997	-0.8	0.000 000	0.000

▣ BandWidth: 90 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2541.000	100 %	+20(Ref)	2541 000 000	0.0	0.000 000	0.000
	100 %	-30	2540 999 995	-4.5	0.000 000	-0.002
	100 %	-20	2541 000 002	1.8	0.000 000	0.001
	100 %	-10	2540 999 996	-4.4	0.000 000	-0.002
	100 %	0	2541 000 000	0.3	0.000 000	0.000
	100 %	+10	2541 000 000	0.3	0.000 000	0.000
	100 %	+30	2541 000 003	3.2	0.000 000	0.001
	100 %	+40	2540 999 999	-1.2	0.000 000	0.000
	100 %	+50	2540 999 997	-2.6	0.000 000	-0.001
	Batt. Endpoint	+20	2540 999 997	-3.1	0.000 000	-0.001
2644.980	100 %	+20(Ref)	2644 979 997	0.0	0.000 000	0.000
	100 %	-30	2644 979 991	-5.6	0.000 000	-0.002
	100 %	-20	2644 979 993	-4.1	0.000 000	-0.002
	100 %	-10	2644 979 998	1.1	0.000 000	0.000
	100 %	0	2644 979 991	-5.7	0.000 000	-0.002
	100 %	+10	2644 979 992	-4.8	0.000 000	-0.002
	100 %	+30	2644 979 996	-0.6	0.000 000	0.000
	100 %	+40	2644 979 998	0.9	0.000 000	0.000
	100 %	+50	2644 979 998	0.9	0.000 000	0.000
	Batt. Endpoint	+20	2644 979 994	-2.5	0.000 000	-0.001

▣ BandWidth: 100 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2546.010	100 %	+20(Ref)	2546 010 003	0.0	0.000 000	0.000
	100 %	-30	2546 010 004	1.6	0.000 000	0.001
	100 %	-20	2546 010 000	-3.0	0.000 000	-0.001
	100 %	-10	2546 010 004	1.8	0.000 000	0.001
	100 %	0	2546 010 004	1.8	0.000 000	0.001
	100 %	+10	2546 010 003	0.2	0.000 000	0.000
	100 %	+30	2546 010 008	5.2	0.000 000	0.002
	100 %	+40	2546 010 003	0.1	0.000 000	0.000
	100 %	+50	2546 010 006	3.2	0.000 000	0.001
	Batt. Endpoint	+20	2546 010 000	-3.0	0.000 000	-0.001
2640.000	100 %	+20(Ref)	2640 000 004	0.0	0.000 000	0.000
	100 %	-30	2640 000 003	-0.3	0.000 000	0.000
	100 %	-20	2640 000 000	-3.7	0.000 000	-0.001
	100 %	-10	2640 000 000	-3.7	0.000 000	-0.001
	100 %	0	2640 000 002	-1.4	0.000 000	-0.001
	100 %	+10	2640 000 004	0.7	0.000 000	0.000
	100 %	+30	2640 000 002	-1.6	0.000 000	-0.001
	100 %	+40	2640 000 002	-2.0	0.000 000	-0.001
	100 %	+50	2640 000 002	-1.7	0.000 000	-0.001
	Batt. Endpoint	+20	2640 000 003	-0.6	0.000 000	0.000

9. TEST DATA (ANT I)

9.1 EQUIVALENT ISOTROPIC RADIATED POWER

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2501.010	Sub6 n41 / 10 MHz [30 kHz]	PI/2 BPSK	-23.00	13.64	10.30	2.47	H	< 2.00	0.140	21.47	1	12
		QPSK	-23.04	13.60	10.30	2.47	H		0.139	21.43		
		16-QAM	-24.18	12.46	10.30	2.47	H		0.107	20.29		
		64-QAM	-25.61	11.03	10.30	2.47	H		0.077	18.86		
		256-QAM	-27.84	8.80	10.30	2.47	H		0.046	16.63		
2592.990		PI/2 BPSK	-21.89	14.41	10.05	2.50	H		0.157	21.96	1	22
		QPSK	-21.97	14.33	10.05	2.50	H		0.154	21.88		
		16-QAM	-22.91	13.39	10.05	2.50	H		0.124	20.94		
		64-QAM	-24.61	11.69	10.05	2.50	H		0.084	19.24		
		256-QAM	-26.74	9.56	10.05	2.50	H		0.051	17.11		
2685.000		PI/2 BPSK	-24.31	13.15	10.10	2.58	H		0.117	20.67	1	12
		QPSK	-24.41	13.05	10.10	2.58	H		0.114	20.57		
		16-QAM	-25.56	11.90	10.10	2.58	H		0.087	19.42		
		64-QAM	-26.93	10.53	10.10	2.58	H		0.064	18.05		
		256-QAM	-29.13	8.33	10.10	2.58	H		0.038	15.85		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2503.500	Sub6 n41 / 15 MHz [30 kHz]	PI/2 BPSK	-22.89	13.74	10.30	2.48	H	< 2.00	0.143	21.56	1	36
		QPSK	-22.96	13.67	10.30	2.48	H		0.141	21.49		
		16-QAM	-24.20	12.43	10.30	2.48	H		0.106	20.25		
		64-QAM	-25.59	11.04	10.30	2.48	H		0.077	18.86		
		256-QAM	-27.88	8.75	10.30	2.48	H		0.045	16.57		
2592.990		PI/2 BPSK	-21.79	14.51	10.05	2.50	H		0.161	22.06	1	1
		QPSK	-21.88	14.42	10.05	2.50	H		0.157	21.97		
		16-QAM	-22.78	13.52	10.05	2.50	H		0.128	21.07		
		64-QAM	-24.20	12.10	10.05	2.50	H		0.092	19.65		
		256-QAM	-26.51	9.79	10.05	2.50	H		0.054	17.34		
2682.480		PI/2 BPSK	-24.21	13.50	10.10	2.58	H		0.126	21.02	1	1
		QPSK	-24.31	13.40	10.10	2.58	H		0.124	20.92		
		16-QAM	-25.41	12.30	10.10	2.58	H		0.096	19.82		
		64-QAM	-26.73	10.98	10.10	2.58	H		0.071	18.50		
		256-QAM	-29.06	8.65	10.10	2.58	H		0.041	16.17		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2506.020	Sub6 n41 / 20 MHz [30 kHz]	PI/2 BPSK	-22.70	13.93	10.30	2.48	H	< 2.00	0.150	21.75	1	49
		QPSK	-22.76	13.87	10.30	2.48	H		0.148	21.69		
		16-QAM	-23.61	13.02	10.30	2.48	H		0.121	20.84		
		64-QAM	-25.12	11.51	10.30	2.48	H		0.086	19.33		
		256-QAM	-27.46	9.17	10.30	2.48	H		0.050	16.99		
2592.990		PI/2 BPSK	-21.63	14.67	10.05	2.50	H		0.167	22.22	1	25
		QPSK	-21.67	14.63	10.05	2.50	H		0.165	22.18		
		16-QAM	-22.83	13.47	10.05	2.50	H		0.126	21.02		
		64-QAM	-24.22	12.08	10.05	2.50	H		0.092	19.63		
		256-QAM	-26.31	9.99	10.05	2.50	H		0.057	17.54		
2679.990		PI/2 BPSK	-24.03	13.68	10.10	2.58	H		0.132	21.20	1	1
		QPSK	-24.16	13.55	10.10	2.58	H		0.128	21.07		
		16-QAM	-25.20	12.51	10.10	2.58	H		0.101	20.03		
		64-QAM	-26.61	11.10	10.10	2.58	H		0.073	18.62		
		256-QAM	-28.80	8.91	10.10	2.58	H		0.044	16.43		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2508.510	Sub6 n41 / 25 MHz [30 kHz]	PI/2 BPSK	-22.42	14.21	10.30	2.49	H	< 2.00	0.159	22.02	1	63
		QPSK	-22.51	14.12	10.30	2.49	H		0.156	21.93		
		16-QAM	-23.58	13.05	10.30	2.49	H		0.122	20.86		
		64-QAM	-24.94	11.69	10.30	2.49	H		0.089	19.50		
		256-QAM	-27.21	9.42	10.30	2.49	H		0.053	17.23		
2592.990		PI/2 BPSK	-21.53	14.77	10.05	2.50	H		0.171	22.32	1	32
		QPSK	-21.57	14.73	10.05	2.50	H		0.169	22.28		
		16-QAM	-22.69	13.61	10.05	2.50	H		0.131	21.16		
		64-QAM	-24.10	12.20	10.05	2.50	H		0.094	19.75		
		256-QAM	-26.26	10.04	10.05	2.50	H		0.057	17.59		
2677.500		PI/2 BPSK	-23.66	13.90	10.10	2.58	H		0.139	21.42	1	1
		QPSK	-23.71	13.85	10.10	2.58	H		0.137	21.37		
		16-QAM	-24.94	12.62	10.10	2.58	H		0.103	20.14		
		64-QAM	-26.44	11.12	10.10	2.58	H		0.073	18.64		
		256-QAM	-28.57	8.99	10.10	2.58	H		0.045	16.51		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2511.000	Sub6 n41 / 30 MHz [30 kHz]	PI/2 BPSK	-22.16	14.46	10.30	2.50	H	< 2.00	0.168	22.26	1	76
		QPSK	-22.23	14.39	10.30	2.50	H		0.166	22.19		
		16-QAM	-23.20	13.42	10.30	2.50	H		0.132	21.22		
		64-QAM	-24.70	11.92	10.30	2.50	H		0.094	19.72		
		256-QAM	-26.96	9.66	10.30	2.50	H		0.056	17.46		
2592.990		PI/2 BPSK	-21.44	14.86	10.05	2.50	H		0.174	22.41	1	39
		QPSK	-21.51	14.79	10.05	2.50	H		0.171	22.34		
		16-QAM	-22.65	13.65	10.05	2.50	H		0.132	21.20		
		64-QAM	-24.00	12.30	10.05	2.50	H		0.097	19.85		
		256-QAM	-26.24	10.06	10.05	2.50	H		0.058	17.61		
2674.980		PI/2 BPSK	-23.57	13.84	10.10	2.58	H		0.137	21.36	1	1
		QPSK	-23.82	13.59	10.10	2.58	H		0.129	21.11		
		16-QAM	-24.83	12.58	10.10	2.58	H		0.102	20.10		
		64-QAM	-26.28	11.13	10.10	2.58	H		0.073	18.65		
		256-QAM	-28.51	8.90	10.10	2.58	H		0.044	16.42		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2516.010	Sub6 n41 / 40 MHz [30 kHz]	PI/2 BPSK	-21.78	14.71	10.30	2.51	H	< 2.00	0.178	22.50	1	104
		QPSK	-21.84	14.65	10.30	2.51	H		0.175	22.44		
		16-QAM	-22.82	13.67	10.30	2.51	H		0.140	21.46		
		64-QAM	-24.26	12.23	10.30	2.51	H		0.100	20.02		
		256-QAM	-26.53	9.96	10.30	2.51	H		0.060	17.75		
2592.990		PI/2 BPSK	-21.59	14.71	10.05	2.50	H		0.168	22.26	1	53
		QPSK	-21.71	14.59	10.05	2.50	H		0.164	22.14		
		16-QAM	-22.71	13.59	10.05	2.50	H		0.130	21.14		
		64-QAM	-24.03	12.27	10.05	2.50	H		0.096	19.82		
		256-QAM	-26.39	9.91	10.05	2.50	H		0.056	17.46		
2670.000		PI/2 BPSK	-23.60	13.52	10.10	2.58	H		0.127	21.04	1	1
		QPSK	-23.61	13.51	10.10	2.58	H		0.127	21.03		
		16-QAM	-24.69	12.43	10.10	2.58	H		0.099	19.95		
		64-QAM	-26.11	11.01	10.10	2.58	H		0.071	18.53		
		256-QAM	-28.36	8.76	10.10	2.58	H		0.042	16.28		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2521.020	Sub6 n41 / 50 MHz [30 kHz]	PI/2 BPSK	-21.53	15.14	10.00	2.53	H	< 2.00	0.182	22.61	1	131
		QPSK	-21.66	15.01	10.00	2.53	H		0.177	22.48		
		16-QAM	-22.79	13.88	10.00	2.53	H		0.136	21.35		
		64-QAM	-24.06	12.61	10.00	2.53	H		0.102	20.08		
		256-QAM	-26.41	10.26	10.00	2.53	H		0.059	17.73		
2592.990		PI/2 BPSK	-21.46	14.84	10.05	2.50	H		0.173	22.39	1	66
		QPSK	-21.54	14.76	10.05	2.50	H		0.170	22.31		
		16-QAM	-22.64	13.66	10.05	2.50	H		0.132	21.21		
		64-QAM	-24.10	12.20	10.05	2.50	H		0.094	19.75		
		256-QAM	-26.29	10.01	10.05	2.50	H		0.057	17.56		
2664.990		PI/2 BPSK	-23.51	13.58	10.10	2.60	H		0.128	21.08	1	1
		QPSK	-23.55	13.54	10.10	2.60	H		0.127	21.04		
		16-QAM	-24.63	12.46	10.10	2.60	H		0.099	19.96		
		64-QAM	-26.04	11.05	10.10	2.60	H		0.072	18.55		
		256-QAM	-28.31	8.78	10.10	2.60	H		0.042	16.28		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2526.000	Sub6 41/ 60 MHz [30 kHz]	PI/2 BPSK	-21.93	14.33	10.30	2.53	H	< 2.00	0.162	22.10	1	160
		QPSK	-22.01	14.25	10.30	2.53	H		0.159	22.02		
		16-QAM	-23.04	13.22	10.30	2.53	H		0.126	20.99		
		64-QAM	-24.45	11.81	10.30	2.53	H		0.091	19.58		
		256-QAM	-26.61	9.65	10.30	2.53	H		0.055	17.42		
2592.990		PI/2 BPSK	-21.85	14.45	10.05	2.50	H		0.158	22.00	1	81
		QPSK	-21.91	14.39	10.05	2.50	H		0.156	21.94		
		16-QAM	-22.90	13.40	10.05	2.50	H		0.124	20.95		
		64-QAM	-24.28	12.02	10.05	2.50	H		0.091	19.57		
		256-QAM	-26.54	9.76	10.05	2.50	H		0.054	17.31		
2659.980		PI/2 BPSK	-23.13	13.72	10.10	2.61	H		0.132	21.21	1	1
		QPSK	-23.21	13.64	10.10	2.61	H		0.130	21.13		
		16-QAM	-24.34	12.51	10.10	2.61	H		0.100	20.00		
		64-QAM	-25.61	11.24	10.10	2.61	H		0.075	18.73		
		256-QAM	-28.00	8.85	10.10	2.61	H		0.043	16.34		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2531.010	Sub6 41/ 70 MHz [30 kHz]	PI/2 BPSK	-21.28	14.84	10.30	2.52	H	< 2.00	0.183	22.62	1	187
		QPSK	-21.46	14.66	10.30	2.52	H		0.175	22.44		
		16-QAM	-22.51	13.61	10.30	2.52	H		0.138	21.39		
		64-QAM	-23.96	12.16	10.30	2.52	H		0.099	19.94		
		256-QAM	-26.25	9.87	10.30	2.52	H		0.058	17.65		
2592.990		PI/2 BPSK	-21.71	14.59	10.05	2.50	H		0.164	22.14	1	94
		QPSK	-21.80	14.50	10.05	2.50	H		0.160	22.05		
		16-QAM	-22.88	13.42	10.05	2.50	H		0.125	20.97		
		64-QAM	-24.23	12.07	10.05	2.50	H		0.092	19.62		
		256-QAM	-26.41	9.89	10.05	2.50	H		0.055	17.44		
2655.000		PI/2 BPSK	-22.32	14.44	10.10	2.63	H		0.155	21.91	1	1
		QPSK	-22.39	14.37	10.10	2.63	H		0.153	21.84		
		16-QAM	-23.44	13.32	10.10	2.63	H		0.120	20.79		
		64-QAM	-24.92	11.84	10.10	2.63	H		0.085	19.31		
		256-QAM	-27.08	9.68	10.10	2.63	H		0.052	17.15		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2536.020	Sub6 41/ 80 MHz [30 kHz]	PI/2 BPSK	-21.79	14.45	10.30	2.52	H	< 2.00	0.167	22.23	1	215
		QPSK	-21.91	14.33	10.30	2.52	H		0.163	22.11		
		16-QAM	-22.75	13.49	10.30	2.52	H		0.134	21.27		
		64-QAM	-24.19	12.05	10.30	2.52	H		0.096	19.83		
		256-QAM	-26.41	9.83	10.30	2.52	H		0.058	17.61		
2592.990		PI/2 BPSK	-21.73	14.57	10.05	2.50	H		0.163	22.12	1	108
		QPSK	-21.76	14.54	10.05	2.50	H		0.162	22.09		
		16-QAM	-22.90	13.40	10.05	2.50	H		0.124	20.95		
		64-QAM	-24.36	11.94	10.05	2.50	H		0.089	19.49		
		256-QAM	-26.56	9.74	10.05	2.50	H		0.054	17.29		
2649.990		PI/2 BPSK	-21.83	14.84	10.10	2.65	H		0.169	22.29	1	1
		QPSK	-22.08	14.59	10.10	2.65	H		0.160	22.04		
		16-QAM	-23.01	13.66	10.10	2.65	H		0.129	21.11		
		64-QAM	-24.59	12.08	10.10	2.65	H		0.090	19.53		
		256-QAM	-26.86	9.81	10.10	2.65	H		0.053	17.26		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2541.000	Sub6 41/ 90 MHz [30 kHz]	PI/2 BPSK	-21.90	14.46	10.30	2.52	H	< 2.00	0.167	22.24	1	243
		QPSK	-21.96	14.40	10.30	2.52	H		0.165	22.18		
		16-QAM	-22.89	13.47	10.30	2.52	H		0.133	21.25		
		64-QAM	-24.33	12.03	10.30	2.52	H		0.096	19.81		
		256-QAM	-26.61	9.75	10.30	2.52	H		0.057	17.53		
2592.990		PI/2 BPSK	-21.51	14.79	10.05	2.50	H		0.171	22.34	1	1
		QPSK	-21.56	14.74	10.05	2.50	H		0.169	22.29		
		16-QAM	-22.71	13.59	10.05	2.50	H		0.130	21.14		
		64-QAM	-24.03	12.27	10.05	2.50	H		0.096	19.82		
		256-QAM	-26.26	10.04	10.05	2.50	H		0.057	17.59		
2644.980		PI/2 BPSK	-21.62	15.19	10.00	2.66	H		0.179	22.53	1	1
		QPSK	-21.83	14.98	10.00	2.66	H		0.171	22.32		
		16-QAM	-22.91	13.90	10.00	2.66	H		0.133	21.24		
		64-QAM	-24.37	12.44	10.00	2.66	H		0.095	19.78		
		256-QAM	-26.49	10.32	10.00	2.66	H		0.058	17.66		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2546.010	Sub6 41/ 100 MHz [30 kHz]	PI/2 BPSK	-21.86	14.51	10.25	2.54	H	< 2.00	0.167	22.22	1	271
		QPSK	-21.96	14.41	10.25	2.54	H		0.163	22.12		
		16-QAM	-22.85	13.52	10.25	2.54	H		0.133	21.23		
		64-QAM	-24.31	12.06	10.25	2.54	H		0.095	19.77		
		256-QAM	-26.45	9.92	10.25	2.54	H		0.058	17.63		
2592.990		PI/2 BPSK	-21.73	14.57	10.05	2.50	H		0.163	22.12	1	1
		QPSK	-21.96	14.34	10.05	2.50	H		0.155	21.89		
		16-QAM	-22.88	13.42	10.05	2.50	H		0.125	20.97		
		64-QAM	-24.34	11.96	10.05	2.50	H		0.089	19.51		
		256-QAM	-26.63	9.67	10.05	2.50	H		0.053	17.22		
2640.000		PI/2 BPSK	-21.58	15.37	9.90	2.67	H		0.182	22.60	1	1
		QPSK	-21.74	15.21	9.90	2.67	H		0.175	22.44		
		16-QAM	-22.72	14.23	9.90	2.67	H		0.140	21.46		
		64-QAM	-24.12	12.83	9.90	2.67	H		0.101	20.06		
		256-QAM	-26.36	10.59	9.90	2.67	H		0.061	17.82		

9.2 RADIATED SPURIOUS EMISSIONS

- ▣ NR Band: n41
- ▣ Bandwidth: 10 MHz
- ▣ Modulation: PI/2 BPSK
- ▣ Distance: 1 meter
- ▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
500202 (2501.010)	5 002.02	-61.88	10.70	-63.23	3.63	V	-56.16	-25.00	1	12
	7 503.03	-63.57	11.10	-56.56	4.50	V	-49.96	-25.00		
	10 004.04	-62.29	11.20	-53.83	5.26	V	-47.89	-25.00		
	12 505.05	-63.27	12.10	-53.93	6.04	V	-47.87	-25.00		
	15 006.06	-62.18	13.80	-55.58	6.65	V	-48.43	-25.00		
518598 (2592.990)	5 185.98	-61.17	11.00	-62.67	3.70	V	-55.37	-25.00	1	22
	7 778.97	-60.87	10.90	-53.49	4.61	V	-47.20	-25.00		
	10 371.96	-63.26	11.20	-52.56	5.41	V	-46.77	-25.00		
	12 964.95	-61.48	12.00	-51.55	6.11	V	-45.66	-25.00		
	15 557.94	-60.58	15.40	-55.25	6.77	V	-46.62	-25.00		
537000 (2685.000)	5 370.00	-62.00	11.50	-64.52	3.74	V	-56.76	-25.00	1	12
	8 055.00	-61.10	10.90	-53.89	4.71	V	-47.70	-25.00		
	10 740.00	-64.88	11.10	-54.28	5.50	V	-48.68	-25.00		
	13 425.00	-63.92	11.80	-53.07	6.22	V	-47.49	-25.00		
	16 110.00	-63.61	15.70	-54.47	6.91	V	-45.68	-25.00		

▣ NR Band: n41

▣ Bandwidth: 15 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
500700 (2503.500)	5 007.00	-62.62	10.70	-63.90	3.61	V	-56.81	-25.00	1	36
	7 510.50	-62.38	11.10	-55.31	4.50	V	-48.71	-25.00		
	10 014.00	-63.92	11.20	-55.31	5.27	V	-49.38	-25.00		
	12 517.50	-63.71	12.10	-54.08	6.04	V	-48.02	-25.00		
	15 021.00	-64.82	13.80	-58.34	6.65	V	-51.19	-25.00		
518598 (2592.990)	5 185.98	-61.18	11.00	-62.68	3.70	V	-55.38	-25.00	1	1
	7 778.97	-63.44	10.90	-56.06	4.61	V	-49.77	-25.00		
	10 371.96	-65.25	11.20	-54.55	5.41	V	-48.76	-25.00		
	12 964.95	-63.25	12.00	-53.32	6.11	V	-47.43	-25.00		
	15 557.94	-61.34	15.40	-56.01	6.77	V	-47.38	-25.00		
536496 (2682.480)	5 364.96	-62.45	11.50	-64.74	3.75	V	-56.99	-25.00	1	1
	8 047.44	-62.72	10.85	-55.54	4.69	V	-49.38	-25.00		
	10 729.92	-64.07	11.10	-52.84	5.47	V	-47.21	-25.00		
	13 412.40	-62.12	11.80	-51.45	6.21	V	-45.86	-25.00		
	16 094.88	-63.87	15.60	-54.41	6.91	V	-45.72	-25.00		

▣ NR Band: n41

▣ Bandwidth: 20 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
501204 (2506.020)	5 012.04	-63.28	10.70	-64.49	3.59	V	-57.38	-25.00	1	49
	7 518.06	-64.85	11.10	-57.74	4.51	V	-51.15	-25.00		
	10 024.08	-63.15	11.20	-54.33	5.27	V	-48.40	-25.00		
	12 530.10	-63.23	12.10	-53.41	6.01	V	-47.32	-25.00		
	15 036.12	-58.98	13.80	-52.74	6.65	V	-45.59	-25.00		
518598 (2592.990)	5 185.98	-62.36	11.00	-63.86	3.70	V	-56.56	-25.00	1	25
	7 778.97	-63.52	10.90	-56.14	4.61	V	-49.85	-25.00		
	10 371.96	-65.46	11.20	-54.76	5.41	V	-48.97	-25.00		
	12 964.95	-64.79	12.00	-54.86	6.11	V	-48.97	-25.00		
	15 557.94	-62.24	15.40	-56.91	6.77	V	-48.28	-25.00		
535998 (2679.990)	5 359.98	-62.65	11.50	-64.71	3.76	V	-56.97	-25.00	1	1
	8 039.97	-61.71	10.80	-54.54	4.68	V	-48.42	-25.00		
	10 719.96	-64.07	11.10	-52.44	5.46	V	-46.80	-25.00		
	13 399.95	-63.34	11.80	-52.99	6.22	V	-47.41	-25.00		
	16 079.94	-64.99	15.50	-55.71	6.90	V	-47.11	-25.00		

▣ NR Band: n41

▣ Bandwidth: 25 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
501702 (2508.510)	5 017.02	-61.48	10.70	-62.85	3.57	V	-55.72	-25.00	1	63
	7 525.53	-63.82	11.10	-56.51	4.51	V	-49.92	-25.00		
	10 034.04	-63.23	11.20	-54.32	5.27	V	-48.39	-25.00		
	12 542.55	-64.21	12.10	-54.62	6.00	V	-48.52	-25.00		
	15 051.06	-58.98	14.00	-52.92	6.66	V	-45.58	-25.00		
518598 (2592.990)	5 185.98	-63.80	11.00	-65.30	3.70	V	-58.00	-25.00	1	32
	7 778.97	-63.55	10.90	-56.17	4.61	V	-49.88	-25.00		
	10 371.96	-62.57	11.20	-51.87	5.41	V	-46.08	-25.00		
	12 964.95	-62.48	12.00	-52.55	6.11	V	-46.66	-25.00		
	15 557.94	-61.77	15.40	-56.44	6.77	V	-47.81	-25.00		
535500 (2677.500)	5 355.00	-63.05	11.50	-64.91	3.75	V	-57.16	-25.00	1	1
	8 032.50	-61.69	10.80	-54.69	4.65	V	-48.54	-25.00		
	10 710.00	-64.70	11.10	-52.82	5.47	V	-47.19	-25.00		
	13 387.50	-63.44	11.90	-53.22	6.23	V	-47.55	-25.00		
	16 065.00	-64.20	15.50	-55.15	6.90	V	-46.55	-25.00		

▣ NR Band: n41

▣ Bandwidth: 30 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
502200 (2511.000)	5 022.00	-62.63	10.70	-64.16	3.55	V	-57.01	-25.00	1	76
	7 533.00	-64.65	11.10	-57.17	4.50	V	-50.57	-25.00		
	10 044.00	-63.04	11.15	-54.19	5.27	V	-48.31	-25.00		
	12 555.00	-63.76	12.10	-54.45	6.00	V	-48.35	-25.00		
	15 066.00	-59.43	14.00	-53.82	6.65	V	-46.47	-25.00		
518598 (2592.990)	5 185.98	-63.19	11.00	-64.69	3.70	V	-57.39	-25.00	1	39
	7 778.97	-63.25	10.90	-55.87	4.61	V	-49.58	-25.00		
	10 371.96	-62.49	11.20	-51.79	5.41	V	-46.00	-25.00		
	12 964.95	-62.51	12.00	-52.58	6.11	V	-46.69	-25.00		
	15 557.94	-61.29	15.40	-55.96	6.77	V	-47.33	-25.00		
534996 (2674.980)	5 349.96	-63.20	11.50	-64.85	3.75	V	-57.10	-25.00	1	1
	8 024.94	-61.42	10.80	-54.71	4.62	V	-48.53	-25.00		
	10 699.92	-64.38	11.10	-52.70	5.48	V	-47.08	-25.00		
	13 374.90	-63.55	11.90	-53.49	6.23	V	-47.82	-25.00		
	16 049.88	-64.62	15.50	-55.77	6.90	V	-47.17	-25.00		

▣ NR Band: n41

▣ Bandwidth: 40 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
503202 (2516.010)	5 032.02	-63.42	10.70	-65.52	3.56	V	-58.38	-25.00	1	104
	7 548.03	-65.34	11.10	-58.00	4.50	V	-51.40	-25.00		
	10 064.04	-63.72	11.10	-54.91	5.28	V	-49.09	-25.00		
	12 580.05	-64.35	12.10	-54.72	6.06	V	-48.68	-25.00		
	15 096.06	-59.97	14.05	-54.64	6.67	V	-47.26	-25.00		
518598 (2592.990)	5 185.98	-62.59	11.00	-64.09	3.70	V	-56.79	-25.00	1	53
	7 778.97	-64.26	10.90	-56.88	4.61	V	-50.59	-25.00		
	10 371.96	-63.37	11.20	-52.67	5.41	V	-46.88	-25.00		
	12 964.95	-63.57	12.00	-53.64	6.11	V	-47.75	-25.00		
	15 557.94	-61.66	15.40	-56.33	6.77	V	-47.70	-25.00		
534000 (2670.000)	5 340.00	-63.44	11.40	-65.14	3.75	V	-57.49	-25.00	1	1
	8 010.00	-61.59	10.80	-54.52	4.62	V	-48.34	-25.00		
	10 680.00	-63.99	11.10	-52.53	5.46	V	-46.89	-25.00		
	13 350.00	-62.41	11.90	-52.36	6.21	V	-46.67	-25.00		
	16 020.00	-64.75	15.20	-56.40	6.68	V	-47.88	-25.00		

▣ NR Band: n41

▣ Bandwidth: 50 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
504204 (2521.020)	5 042.04	-62.59	10.70	-64.56	3.60	V	-57.46	-25.00	1	131
	7 563.06	-64.84	11.10	-58.02	4.52	V	-51.44	-25.00		
	10 084.08	-63.12	11.10	-53.90	5.30	V	-48.10	-25.00		
	12 605.10	-64.26	12.00	-54.76	6.05	V	-48.81	-25.00		
	15 126.12	-60.10	14.10	-54.14	6.67	V	-46.71	-25.00		
518598 (2592.990)	5 185.98	-63.11	11.00	-64.61	3.70	V	-57.31	-25.00	1	66
	7 778.97	-64.05	10.90	-56.67	4.61	V	-50.38	-25.00		
	10 371.96	-63.99	11.20	-53.29	5.41	V	-47.50	-25.00		
	12 964.95	-63.19	12.00	-53.26	6.11	V	-47.37	-25.00		
	15 557.94	-63.25	15.40	-57.92	6.77	V	-49.29	-25.00		
532998 (2664.990)	5 329.98	-63.59	11.40	-65.56	3.71	V	-57.87	-25.00	1	1
	7 994.97	-61.62	10.75	-54.21	4.66	V	-48.12	-25.00		
	10 659.96	-64.12	11.10	-51.96	5.49	V	-46.35	-25.00		
	13 324.95	-62.03	12.00	-51.32	6.19	V	-45.51	-25.00		
	15 989.94	-63.75	15.10	-55.93	6.88	V	-47.71	-25.00		

▣ NR Band: n41

▣ Bandwidth: 60 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
505200 (2526.000)	5 052.00	-62.75	10.70	-64.40	3.63	V	-57.33	-25.00	1	160
	7 578.00	-64.20	11.10	-57.41	4.54	V	-50.85	-25.00		
	10 104.00	-63.10	11.10	-54.26	5.29	V	-48.45	-25.00		
	12 630.00	-64.03	12.00	-54.80	6.02	V	-48.82	-25.00		
	15 156.00	-59.41	14.20	-53.92	6.67	V	-46.39	-25.00		
518598 (2592.990)	5 185.98	-62.41	11.00	-63.91	3.70	V	-56.61	-25.00	1	81
	7 778.97	-64.27	10.90	-56.89	4.61	V	-50.60	-25.00		
	10 371.96	-64.36	11.20	-53.66	5.41	V	-47.87	-25.00		
	12 964.95	-64.13	12.00	-54.20	6.11	V	-48.31	-25.00		
	15 557.94	-63.12	15.40	-57.79	6.77	V	-49.16	-25.00		
531996 (2659.980)	5 319.96	-62.82	11.40	-65.56	3.66	V	-57.82	-25.00	1	1
	7 979.94	-62.63	10.70	-55.38	4.67	V	-49.35	-25.00		
	10 639.92	-64.96	11.20	-53.53	5.49	V	-47.82	-25.00		
	13 299.90	-63.83	12.00	-53.68	6.19	V	-47.87	-25.00		
	15 959.88	-65.00	15.10	-56.34	6.87	V	-48.11	-25.00		

▣ NR Band: n41

▣ Bandwidth: 70 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
506202 (2531.010)	5 062.02	-63.10	10.70	-64.08	3.65	V	-57.03	-25.00	1	187
	7 593.03	-63.85	11.15	-56.81	4.53	V	-50.19	-25.00		
	10 124.04	-62.89	11.10	-54.01	5.30	V	-48.21	-25.00		
	12 655.05	-63.88	11.90	-54.37	6.03	V	-48.50	-25.00		
	15 186.06	-59.59	14.20	-54.34	6.67	V	-46.81	-25.00		
518598 (2592.990)	5 185.98	-62.23	11.00	-63.73	3.70	V	-56.43	-25.00	1	94
	7 778.97	-65.02	10.90	-57.64	4.61	V	-51.35	-25.00		
	10 371.96	-64.10	11.20	-53.40	5.41	V	-47.61	-25.00		
	12 964.95	-64.02	12.00	-54.09	6.11	V	-48.20	-25.00		
	15 557.94	-63.59	15.40	-58.26	6.77	V	-49.63	-25.00		
531000 (2655.000)	5 310.00	-62.79	11.40	-65.03	3.65	V	-57.28	-25.00	1	1
	7 965.00	-62.66	10.70	-55.49	4.65	V	-49.44	-25.00		
	10 620.00	-64.58	11.20	-53.89	5.41	V	-48.10	-25.00		
	13 275.00	-63.65	12.10	-53.32	6.22	V	-47.44	-25.00		
	15 930.00	-64.79	15.00	-56.52	6.88	V	-48.40	-25.00		

▣ NR Band: n41

▣ Bandwidth: 80 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
507204 (2536.020)	5 072.04	-63.22	10.70	-64.50	3.62	V	-57.42	-25.00	1	215
	7 608.06	-65.24	11.20	-58.23	4.52	V	-51.55	-25.00		
	10 144.08	-63.52	11.05	-54.05	5.32	V	-48.32	-25.00		
	12 680.10	-64.15	11.90	-53.94	6.06	V	-48.10	-25.00		
	15 216.12	-59.98	14.40	-55.02	6.69	V	-47.31	-25.00		
518598 (2592.990)	5 185.98	-62.79	11.00	-64.29	3.70	V	-56.99	-25.00	1	108
	7 778.97	-64.46	10.90	-57.08	4.61	V	-50.79	-25.00		
	10 371.96	-63.52	11.20	-52.82	5.41	V	-47.03	-25.00		
	12 964.95	-63.28	12.00	-53.35	6.11	V	-47.46	-25.00		
	15 557.94	-61.80	15.40	-56.47	6.77	V	-47.84	-25.00		
529998 (2649.990)	5 299.98	-63.29	11.40	-65.40	3.69	V	-57.69	-25.00	1	1
	7 949.97	-61.78	10.70	-54.47	4.64	V	-48.41	-25.00		
	10 599.96	-64.04	11.20	-52.85	5.41	V	-47.06	-25.00		
	13 249.95	-62.59	12.10	-52.53	6.18	V	-46.61	-25.00		
	15 899.94	-64.81	15.00	-56.98	6.87	V	-48.85	-25.00		

▣ NR Band: n41

▣ Bandwidth: 90 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
508200 (2541.000)	5 082.00	-61.32	10.70	-62.96	3.61	V	-55.87	-25.00	1	243
	7 623.00	-64.02	11.20	-57.62	4.52	V	-50.94	-25.00		
	10 164.00	-63.45	11.00	-54.37	5.33	V	-48.70	-25.00		
	12 705.00	-64.09	11.90	-53.57	6.06	V	-47.73	-25.00		
	15 246.00	-59.70	14.50	-53.82	6.73	V	-46.05	-25.00		
518598 (2592.990)	5 185.98	-63.74	11.00	-65.24	3.70	V	-57.94	-25.00	1	1
	7 778.97	-63.59	10.90	-56.21	4.61	V	-49.92	-25.00		
	10 371.96	-62.70	11.20	-52.00	5.41	V	-46.21	-25.00		
	12 964.95	-63.41	12.00	-53.48	6.11	V	-47.59	-25.00		
	15 557.94	-62.00	15.40	-56.67	6.77	V	-48.04	-25.00		
528996 (2644.980)	5 289.96	-63.51	11.30	-64.98	3.73	V	-57.41	-25.00	1	1
	7 934.94	-62.26	10.70	-54.91	4.64	V	-48.85	-25.00		
	10 579.92	-64.44	11.20	-53.99	5.46	V	-48.25	-25.00		
	13 224.90	-63.09	12.10	-53.06	6.16	V	-47.12	-25.00		
	15 869.88	-64.71	14.90	-57.96	6.85	V	-49.91	-25.00		

▣ NR Band: n41

▣ Bandwidth: 100 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
509202 (2546.010)	5 092.02	-63.33	10.70	-65.48	3.64	V	-58.42	-25.00	1	271
	7 638.03	-65.13	11.20	-58.74	4.53	V	-52.07	-25.00		
	10 184.04	-63.82	11.00	-54.36	5.33	V	-48.69	-25.00		
	12 730.05	-64.39	11.90	-53.94	6.02	V	-48.06	-25.00		
	15 276.06	-61.20	14.60	-55.33	6.71	V	-47.44	-25.00		
518598 (2592.990)	5 185.98	-62.87	11.00	-64.37	3.70	V	-57.07	-25.00	1	1
	7 778.97	-63.96	10.90	-56.58	4.61	V	-50.29	-25.00		
	10 371.96	-64.78	11.20	-54.08	5.41	V	-48.29	-25.00		
	12 964.95	-63.50	12.00	-53.57	6.11	V	-47.68	-25.00		
	15 557.94	-65.97	15.40	-60.64	6.77	V	-52.01	-25.00		
528000 (2640.000)	5 280.00	-63.57	11.30	-65.48	3.75	V	-57.93	-25.00	1	1
	7 920.00	-63.88	10.70	-56.70	4.63	V	-50.63	-25.00		
	10 560.00	-64.38	11.20	-54.47	5.45	V	-48.72	-25.00		
	13 200.00	-64.30	12.10	-53.86	6.19	V	-47.95	-25.00		
	15 840.00	-64.09	14.90	-56.98	6.84	V	-48.92	-25.00		

9.3 PEAK-TO-AVERAGE RATIO

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (dB)
Sub6 n41	10 MHz	2592.990	BPSK	24	0	4.24
			QPSK			5.59
			16-QAM			6.35
			64-QAM			6.38
			256-QAM			6.38
	15 MHz		BPSK	36		4.33
			QPSK			5.45
			16-QAM			6.19
			64-QAM			6.44
			256-QAM			6.56
	20 MHz		BPSK	50		4.42
			QPSK			5.31
			16-QAM			6.19
			64-QAM			6.46
			256-QAM			6.60
	25 MHz		BPSK	64		4.47
			QPSK			5.55
			16-QAM			6.18
			64-QAM			6.50
			256-QAM			6.61
	30 MHz		BPSK	75		4.38
			QPSK			5.40
			16-QAM			6.26
			64-QAM			6.46
			256-QAM			6.48
	40 MHz		BPSK	100		4.99
			QPSK			5.97
			16-QAM			6.41
			64-QAM			6.52
			256-QAM			6.61
	50 MHz		BPSK	128		4.38
			QPSK			5.62
			16-QAM			6.26
			64-QAM			6.48
			256-QAM			6.54

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (dB)
Sub6 n41	60 MHz	2592.990	BPSK	162	0	4.40
			QPSK			5.28
			16-QAM			6.18
			64-QAM			6.42
			256-QAM			6.59
	70 MHz		BPSK	180		4.61
			QPSK			5.37
			16-QAM			6.24
			64-QAM			6.41
			256-QAM			6.51
	80 MHz		BPSK	216		4.81
			QPSK			5.60
			16-QAM			6.31
			64-QAM			6.47
			256-QAM			6.55
	90 MHz		BPSK	243		4.56
			QPSK			5.57
			16-QAM			6.30
			64-QAM			6.48
			256-QAM			6.57
	100 MHz		BPSK	270		4.60
			QPSK			5.60
			16-QAM			6.29
			64-QAM			6.49
			256-QAM			6.56

Note:

1. Plots of the EUT's Peak- to- Average Ratio are shown Page 395 ~ 454.

8.4 OCCUPIED BANDWIDTH

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (MHz)
Sub6 n41	10 MHz	2592.990	BPSK	24	0	8.6393
			QPSK			8.6294
			16-QAM			8.6391
			64-QAM			8.7143
			256-QAM			8.6755
	15 MHz		BPSK	36		12.981
			QPSK			13.007
			16-QAM			13.016
			64-QAM			12.955
			256-QAM			12.987
	20 MHz		BPSK	50		17.980
			QPSK			17.980
			16-QAM			17.975
			64-QAM			17.984
			256-QAM			18.022
	25 MHz		BPSK	64		22.969
			QPSK			23.060
			16-QAM			23.001
			64-QAM			23.001
			256-QAM			22.980
	30 MHz		BPSK	75		26.933
			QPSK			26.978
			16-QAM			27.009
			64-QAM			26.929
			256-QAM			27.024
	40 MHz		BPSK	100		35.947
			QPSK			35.930
			16-QAM			35.929
			64-QAM			35.889
			256-QAM			35.948
	50 MHz		BPSK	128		45.923
			QPSK			45.856
			16-QAM			45.851
			64-QAM			45.869
			256-QAM			45.831

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (MHz)
Sub6 n41	60 MHz	2592.990	BPSK	162	0	58.049
			QPSK			58.072
			16-QAM			58.073
			64-QAM			57.918
			256-QAM			58.163
	70 MHz		BPSK	180		64.772
			QPSK			64.756
			16-QAM			64.574
			64-QAM			64.406
			256-QAM			64.451
	80 MHz		BPSK	216		77.214
			QPSK			77.240
			16-QAM			77.372
			64-QAM			77.303
			256-QAM			77.338
	90 MHz		BPSK	243		86.873
			QPSK			86.935
			16-QAM			87.036
			64-QAM			87.032
			256-QAM			86.863
	100 MHz		BPSK	270		96.623
			QPSK			96.771
			16-QAM			96.509
			64-QAM			96.648
			256-QAM			97.026

Note:

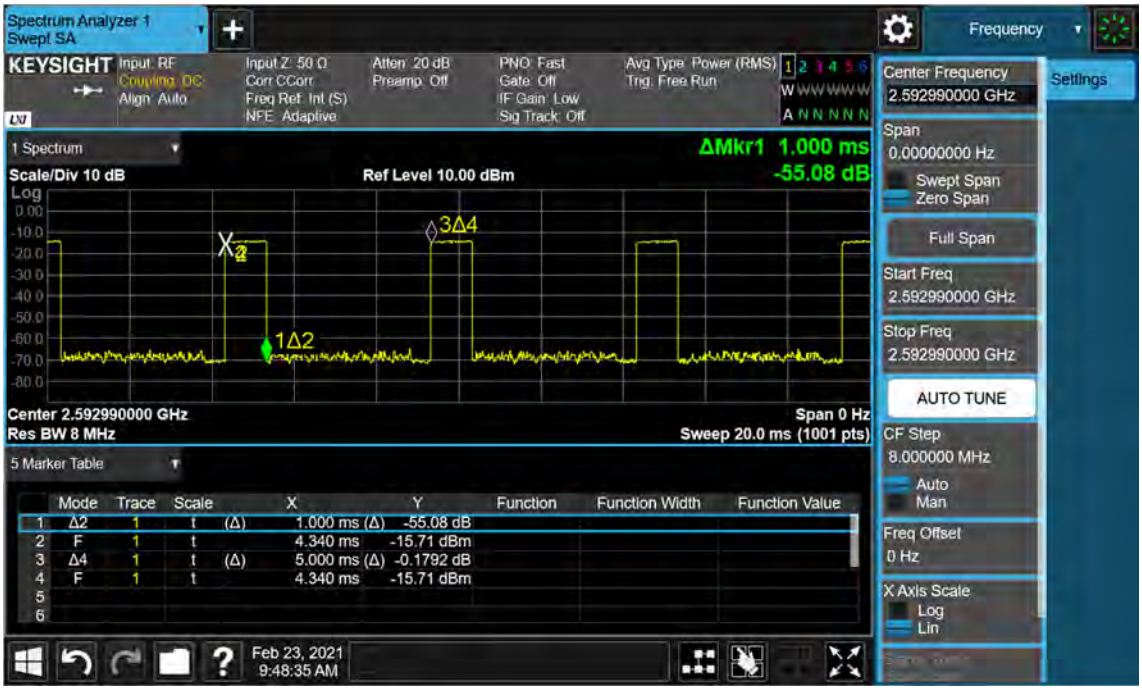
1. Plots of the EUT's Occupied Bandwidth are shown Page 455 ~ 514.

9.5 CONDUCTED SPURIOUS EMISSIONS

Band	Band Width (MHz)	Frequency (MHz)	Frequency of Maximum Harmonic (GHz)	Factor (dB)	Measurement Maximum Data (dBm)	Result (dBm)	Limit (dBm)
Sub6 n41	10	2501.010	5.0280	37.805	-70.642	-32.837	-25.00
		2592.990	3.7648	37.190	-71.104	-33.914	
		2685.000	7.9851	37.805	-69.898	-32.093	
	15	2503.500	8.2931	37.805	-70.625	-32.820	
		2592.990	8.2941	37.805	-69.398	-31.593	
		2682.480	3.7757	37.190	-69.620	-32.430	
	20	2506.020	3.8256	37.190	-70.529	-33.339	
		2592.990	4.8824	37.190	-70.078	-32.888	
		2679.990	4.9397	37.190	-70.690	-33.500	
	25	2508.510	8.8609	37.805	-70.938	-33.133	
		2592.990	3.8216	37.190	-70.359	-33.169	
		2677.500	8.3046	37.805	-70.567	-32.762	
	30	2511.000	8.0185	37.805	-70.380	-32.575	
		2592.990	4.3311	37.190	-70.982	-33.792	
		2674.980	5.2503	37.805	-70.590	-32.785	
	40	2516.010	8.8330	37.805	-70.527	-32.722	
		2592.990	4.6072	37.190	-70.859	-33.669	
		2670.000	8.0060	37.805	-71.020	-33.215	
	50	2521.020	9.9287	37.805	-70.579	-32.774	
		2592.990	8.0175	37.805	-70.638	-32.833	
		2664.990	9.9816	37.805	-70.873	-33.068	
	60	2526.000	4.0429	37.190	-70.535	-33.345	
		2592.990	9.9586	37.805	-70.760	-32.955	
		2659.980	4.0160	37.190	-70.556	-33.366	
	70	2531.010	9.6695	37.805	-70.959	-33.154	
		2592.990	5.2069	37.805	-70.211	-32.406	
		2655.000	9.9591	37.805	-71.360	-33.555	
	80	2536.020	5.1984	37.805	-70.499	-32.694	
		2592.990	6.0299	37.805	-70.375	-32.570	
		2649.990	8.1914	37.805	-70.619	-32.814	
	90	2541.000	9.1082	37.805	-69.297	-31.492	
		2592.990	9.9422	37.805	-70.457	-32.652	
		2644.980	9.3908	37.805	-70.841	-33.036	
	100	2546.010	7.9990	37.805	-70.470	-32.665	
		2592.990	9.7243	37.805	-70.659	-32.854	
		2640.000	9.7059	37.805	-70.812	-33.007	

Note:

1. Plots of the EUT's Conducted Spurious Emissions are shown Page 515 ~ 586.
2. Duty Cycle factor already applied on the factor.
   - Duty Cycle Factor(dB) = 6.99



   - Factor(dB) = Duty Cycle factor + Cable Loss + Ext. Attenuator + Power Splitter
   - Result(dBm) = Reading + Factor

3. Factor(dB)

Frequency Range (GHz)	Factor [dB]
0.03 – 1	34.484
1 – 5	37.190
5 – 10	37.805
10 – 15	38.330
15 – 20	38.703
Above 20	39.345

9.6 CHANNEL EDGE

BW	Test. Frequncy (MHz)	Modulation	Resource Block Size	2 495 MHz ~ 2 496 MHz	C.E ~ (C.E +1MHz)	2 490.5 MHz ~ 2 495 MHz	(C.E + 1 MHz) ~ (C.E + 5 MHz)	Below 2 490.5 MHz	(C.E + 5 MHz) ~ (C.E + X MHz)	Above (C.E + X MHz)
				Lower	Upper	Lower	Upper	Lower	Upper	Upper
10 MHz	2501.010	BPSK	Full RB	-23.70	-25.83	-26.24	-49.12	-29.87	-48.36	-43.25
15 MHz	2503.500	BPSK	Full RB	-24.39	-28.88	-27.32	-26.23	-27.92	-24.75	-44.87
20 MHz	2506.020	BPSK	Full RB	-24.58	-25.05	-26.56	-25.04	-27.92	-24.94	-45.34
25 MHz	2508.510	BPSK	Full RB	-25.20	-26.20	-28.69	-27.78	-30.77	-26.99	-46.03
30 MHz	2511.000	BPSK	Full RB	-25.67	-28.98	-28.37	-28.71	-32.02	-29.01	-47.18
40 MHz	2516.010	BPSK	Full RB	-25.23	-29.00	-29.03	-29.08	-34.24	-29.55	-47.35
50 MHz	2521.020	BPSK	Full RB	-25.70	-27.13	-30.01	-27.61	-30.60	-27.89	-45.15
60 MHz	2526.000	BPSK	Full RB	-20.62	-18.61	-30.26	-27.39	-33.73	-29.94	-47.79
70 MHz	2531.010	BPSK	Full RB	-26.20	-27.54	-30.71	-30.73	-35.57	-30.00	-47.79
80 MHz	2536.020	BPSK	Full RB	-27.11	-27.24	-33.66	-30.82	-36.09	-31.08	-48.00
90 MHz	2541.000	BPSK	Full RB	-24.83	-25.87	-30.28	-26.83	-33.35	-29.46	-45.89
100 MHz	2546.010	BPSK	Full RB	-25.31	-31.19	-34.86	-31.55	-34.45	-29.80	-47.78
Limit				-13.0	-10.0	-13.0	-10.0	-25.0	-13.0	-25.0

Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resoure Block Offset	C.E ~ (C.E ± 1 MHz)		(C.E ± 1 MHz) ~ (C.E ± 5 MHz)	
					Lower	Upper	Lower	Upper
10 MHz	2592.990	BPSK	Full RB	0	-23.79	-25.27	-27.21	-27.99
	2685.000	BPSK	Full RB	0	-22.18	-24.34	-28.45	-27.80
15 MHz	2592.990	BPSK	Full RB	0	-23.77	-31.00	-27.50	-29.69
	2682.480	BPSK	Full RB	0	-22.60	-32.31	-28.30	-28.87
20 MHz	2592.990	BPSK	Full RB	0	-24.34	-29.57	-28.98	-30.53
	2679.990	BPSK	Full RB	0	-25.09	-28.93	-27.68	-26.94
25 MHz	2592.990	BPSK	Full RB	0	-24.85	-28.74	-29.14	-30.34
	2677.500	BPSK	Full RB	0	-23.69	-26.22	-26.70	-26.15
30 MHz	2592.990	BPSK	Full RB	0	-24.89	-31.58	-29.61	-32.66
	2679.990	BPSK	Full RB	0	-25.37	-30.77	-29.93	-31.29
40 MHz	2592.990	BPSK	Full RB	0	-23.56	-29.57	-28.14	-30.21
	2670.000	BPSK	Full RB	0	-25.20	-30.17	-29.47	-28.68
50 MHz	2592.990	BPSK	Full RB	0	-25.58	-29.75	-30.11	-32.11
	2664.990	BPSK	Full RB	0	-23.76	-28.98	-29.58	-31.15
60 MHz	2592.990	BPSK	Full RB	0	-17.93	-17.95	-32.46	-32.49
	2659.980	BPSK	Full RB	0	-17.75	-20.50	-29.91	-30.82
70 MHz	2592.990	BPSK	Full RB	0	-25.56	-33.63	-33.33	-34.18
	2655.000	BPSK	Full RB	0	-23.17	-29.30	-27.21	-30.18
80 MHz	2592.990	BPSK	Full RB	0	-24.55	-31.05	-33.64	-34.73
	2649.990	BPSK	Full RB	0	-23.42	-30.02	-32.17	-32.97
90 MHz	2592.990	BPSK	Full RB	0	-23.70	-33.66	-33.30	-34.61
	2644.980	BPSK	Full RB	0	-22.41	-32.20	-32.38	-33.56
100 MHz	2592.990	BPSK	Full RB	0	-21.07	-31.15	-34.90	-36.11
	2640.000	BPSK	Full RB	0	-19.82	-32.82	-32.55	-33.73
Limit (dBm)					-10.0		-10.0	

Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resoure Block Offset	(C.E ± 5 MHz) ~ (C.E ± X MHz)		Above (C.E ± X MHz)	
					Lower	Upper	Lower	Upper
10 MHz	2592.990	BPSK	Full RB	0	-29.55	-29.48	-44.27	-45.75
	2685.000	BPSK	Full RB	0	-30.18	-29.35	-43.05	-44.96
15 MHz	2592.990	BPSK	Full RB	0	-28.41	-27.63	-46.58	-47.04
	2682.480	BPSK	Full RB	0	-29.02	-27.82	-45.22	-44.52
20 MHz	2592.990	BPSK	Full RB	0	-30.16	-30.07	-46.69	-47.24
	2679.990	BPSK	Full RB	0	-29.54	-28.57	-41.68	-44.88
25 MHz	2592.990	BPSK	Full RB	0	-31.16	-31.79	-47.39	-47.66
	2677.500	BPSK	Full RB	0	-29.13	-29.84	-43.56	-45.41
30 MHz	2592.990	BPSK	Full RB	0	-31.93	-32.37	-47.88	-48.02
	2679.990	BPSK	Full RB	0	-30.70	-30.81	-44.90	-48.16
40 MHz	2592.990	BPSK	Full RB	0	-30.51	-31.64	-47.16	-47.73
	2670.000	BPSK	Full RB	0	-29.53	-30.81	-46.94	-48.52
50 MHz	2592.990	BPSK	Full RB	0	-32.00	-32.92	-47.68	-47.52
	2664.990	BPSK	Full RB	0	-33.08	-35.08	-47.41	-48.37
60 MHz	2592.990	BPSK	Full RB	0	-34.99	-36.14	-48.22	-48.13
	2659.980	BPSK	Full RB	0	-30.81	-30.53	-47.39	-48.55
70 MHz	2592.990	BPSK	Full RB	0	-34.86	-48.25	-48.51	-48.54
	2655.000	BPSK	Full RB	0	-30.05	-30.88	-47.11	-48.65
80 MHz	2592.990	BPSK	Full RB	0	-34.96	-33.89	-48.53	-48.32
	2649.990	BPSK	Full RB	0	-36.45	-48.43	-48.41	-48.63
90 MHz	2592.990	BPSK	Full RB	0	-33.80	-34.92	-48.76	-48.68
	2644.980	BPSK	Full RB	0	-32.23	-34.44	-48.35	-48.44
100 MHz	2592.990	BPSK	Full RB	0	-36.07	-35.93	-48.49	-48.36
	2640.000	BPSK	Full RB	0	-33.30	-35.85	-48.14	-48.43
Limit (dBm)					-13.0		-25.0	

Note:

1. C.E = Channel Edge
2. X = X is the greater of 6 MHz or the actual emission bandwidth
3. Duty Cycle factor already applied on the factor.
   - Factor(dB) = Duty Cycle factor + Cable Loss + Ext. Attenuator + Power Splitter
   - Result(dBm) = Reading + Factor
   - Duty Cycle Factor(dB) = 6.99
4. Plots of the EUT's Channel Edge are shown Page 587 ~ 670. (1RB & Full RB)

9.7 FREQUENCY STABILITY / VARIATION OF AMBIENT TEMPERATURE

▣ BandWidth: 10 MHz
▣ Voltage(100 %): 3.880 VDC
▣ Batt. Endpoint: 3.300 VDC
▣ LIMIT: Emission must remain in band

Test. Frequncy	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2501.010	100 %	+20(Ref)	2501 009 994	0.0	0.000 000	0.000
	100 %	-30	2501 009 994	0.0	0.000 000	0.000
	100 %	-20	2501 009 988	-5.7	0.000 000	-0.002
	100 %	-10	2501 009 990	-3.5	0.000 000	-0.001
	100 %	0	2501 009 990	-3.2	0.000 000	-0.001
	100 %	+10	2501 009 990	-3.6	0.000 000	-0.001
	100 %	+30	2501 009 991	-2.3	0.000 000	-0.001
	100 %	+40	2501 009 990	-3.2	0.000 000	-0.001
	100 %	+50	2501 009 990	-3.3	0.000 000	-0.001
	Batt. Endpoint	+20	2501 009 990	-3.3	0.000 000	-0.001
2685.000	100 %	+20(Ref)	2684 999 996	0.0	0.000 000	0.000
	100 %	-30	2684 999 990	-6.0	0.000 000	-0.002
	100 %	-20	2684 999 992	-3.2	0.000 000	-0.001
	100 %	-10	2684 999 991	-4.2	0.000 000	-0.002
	100 %	0	2684 999 989	-6.3	0.000 000	-0.002
	100 %	+10	2684 999 995	-0.2	0.000 000	0.000
	100 %	+30	2684 999 989	-6.1	0.000 000	-0.002
	100 %	+40	2684 999 991	-4.8	0.000 000	-0.002
	100 %	+50	2684 999 993	-2.7	0.000 000	-0.001
	Batt. Endpoint	+20	2684 999 993	-2.8	0.000 000	-0.001

▣ BandWidth: 15 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2503.500	100 %	+20(Ref)	2503 499 999	0.0	0.000 000	0.000
	100 %	-30	2503 499 995	-3.6	0.000 000	-0.001
	100 %	-20	2503 499 994	-5.2	0.000 000	-0.002
	100 %	-10	2503 499 995	-4.0	0.000 000	-0.002
	100 %	0	2503 499 996	-2.6	0.000 000	-0.001
	100 %	+10	2503 499 993	-5.4	0.000 000	-0.002
	100 %	+30	2503 499 997	-1.3	0.000 000	-0.001
	100 %	+40	2503 499 996	-2.4	0.000 000	-0.001
	100 %	+50	2503 499 993	-5.9	0.000 000	-0.002
	Batt. Endpoint	+20	2503 499 990	-9.2	0.000 000	-0.004
2682.480	100 %	+20(Ref)	2682 479 994	0.0	0.000 000	0.000
	100 %	-30	2682 479 987	-7.4	0.000 000	-0.003
	100 %	-20	2682 479 988	-5.6	0.000 000	-0.002
	100 %	-10	2682 479 987	-7.0	0.000 000	-0.003
	100 %	0	2682 479 988	-5.7	0.000 000	-0.002
	100 %	+10	2682 479 985	-8.5	0.000 000	-0.003
	100 %	+30	2682 479 989	-4.9	0.000 000	-0.002
	100 %	+40	2682 479 991	-2.5	0.000 000	-0.001
	100 %	+50	2682 479 987	-6.7	0.000 000	-0.002
	Batt. Endpoint	+20	2682 479 987	-7.0	0.000 000	-0.003

▣ BandWidth: 20 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2506.020	100 %	+20(Ref)	2506 019 997	0.0	0.000 000	0.000
	100 %	-30	2506 019 995	-1.7	0.000 000	-0.001
	100 %	-20	2506 019 993	-3.8	0.000 000	-0.001
	100 %	-10	2506 019 995	-2.2	0.000 000	-0.001
	100 %	0	2506 019 995	-1.9	0.000 000	-0.001
	100 %	+10	2506 019 990	-6.7	0.000 000	-0.003
	100 %	+30	2506 019 995	-1.8	0.000 000	-0.001
	100 %	+40	2506 019 998	1.1	0.000 000	0.000
	100 %	+50	2506 019 993	-4.2	0.000 000	-0.002
	Batt. Endpoint	+20	2506 019 995	-1.8	0.000 000	-0.001
2679.990	100 %	+20(Ref)	2679 989 994	0.0	0.000 000	0.000
	100 %	-30	2679 989 988	-6.3	0.000 000	-0.002
	100 %	-20	2679 989 990	-4.6	0.000 000	-0.002
	100 %	-10	2679 989 985	-9.9	0.000 000	-0.004
	100 %	0	2679 989 990	-4.5	0.000 000	-0.002
	100 %	+10	2679 989 988	-6.0	0.000 000	-0.002
	100 %	+30	2679 989 988	-6.4	0.000 000	-0.002
	100 %	+40	2679 989 988	-6.3	0.000 000	-0.002
	100 %	+50	2679 989 988	-6.2	0.000 000	-0.002
	Batt. Endpoint	+20	2679 989 989	-5.8	0.000 000	-0.002

▣ BandWidth: 25 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2508.510	100 %	+20(Ref)	2508 509 997	0.0	0.000 000	0.000
	100 %	-30	2508 509 991	-5.2	0.000 000	-0.002
	100 %	-20	2508 509 994	-2.3	0.000 000	-0.001
	100 %	-10	2508 509 994	-2.7	0.000 000	-0.001
	100 %	0	2508 509 991	-5.5	0.000 000	-0.002
	100 %	+10	2508 509 994	-3.0	0.000 000	-0.001
	100 %	+30	2508 509 991	-6.1	0.000 000	-0.002
	100 %	+40	2508 509 995	-1.4	0.000 000	-0.001
	100 %	+50	2508 509 993	-4.0	0.000 000	-0.002
	Batt. Endpoint	+20	2508 509 995	-1.8	0.000 000	-0.001
2677.500	100 %	+20(Ref)	2677 499 993	0.0	0.000 000	0.000
	100 %	-30	2677 499 987	-5.4	0.000 000	-0.002
	100 %	-20	2677 499 985	-7.5	0.000 000	-0.003
	100 %	-10	2677 499 987	-5.3	0.000 000	-0.002
	100 %	0	2677 499 990	-3.2	0.000 000	-0.001
	100 %	+10	2677 499 990	-2.7	0.000 000	-0.001
	100 %	+30	2677 499 989	-3.6	0.000 000	-0.001
	100 %	+40	2677 499 989	-4.2	0.000 000	-0.002
	100 %	+50	2677 499 987	-5.6	0.000 000	-0.002
	Batt. Endpoint	+20	2677 499 986	-6.3	0.000 000	-0.002

▣ BandWidth: 30 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2511.000	100 %	+20(Ref)	2510 999 998	0.0	0.000 000	0.000
	100 %	-30	2510 999 992	-6.0	0.000 000	-0.002
	100 %	-20	2510 999 995	-3.6	0.000 000	-0.001
	100 %	-10	2510 999 992	-6.2	0.000 000	-0.002
	100 %	0	2510 999 996	-1.9	0.000 000	-0.001
	100 %	+10	2510 999 995	-3.0	0.000 000	-0.001
	100 %	+30	2510 999 990	-8.8	0.000 000	-0.003
	100 %	+40	2510 999 989	-9.2	0.000 000	-0.004
	100 %	+50	2510 999 996	-2.7	0.000 000	-0.001
	Batt. Endpoint	+20	2510 999 994	-4.6	0.000 000	-0.002
2674.980	100 %	+20(Ref)	2674 979 992	0.0	0.000 000	0.000
	100 %	-30	2674 979 986	-6.8	0.000 000	-0.003
	100 %	-20	2674 979 985	-7.6	0.000 000	-0.003
	100 %	-10	2674 979 990	-2.2	0.000 000	-0.001
	100 %	0	2674 979 987	-5.4	0.000 000	-0.002
	100 %	+10	2674 979 983	-9.5	0.000 000	-0.004
	100 %	+30	2674 979 985	-7.7	0.000 000	-0.003
	100 %	+40	2674 979 983	-9.1	0.000 000	-0.003
	100 %	+50	2674 979 984	-8.0	0.000 000	-0.003
	Batt. Endpoint	+20	2674 979 986	-6.7	0.000 000	-0.003

▣ BandWidth: 40 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2516.010	100 %	+20(Ref)	2516 009 997	0.0	0.000 000	0.000
	100 %	-30	2516 009 992	-5.7	0.000 000	-0.002
	100 %	-20	2516 009 990	-7.0	0.000 000	-0.003
	100 %	-10	2516 009 994	-3.0	0.000 000	-0.001
	100 %	0	2516 009 993	-4.3	0.000 000	-0.002
	100 %	+10	2516 009 995	-2.3	0.000 000	-0.001
	100 %	+30	2516 009 996	-1.7	0.000 000	-0.001
	100 %	+40	2516 009 995	-2.4	0.000 000	-0.001
	100 %	+50	2516 009 993	-3.9	0.000 000	-0.002
	Batt. Endpoint	+20	2516 009 993	-4.7	0.000 000	-0.002
2670.000	100 %	+20(Ref)	2669 999 996	0.0	0.000 000	0.000
	100 %	-30	2669 999 990	-5.7	0.000 000	-0.002
	100 %	-20	2669 999 992	-4.4	0.000 000	-0.002
	100 %	-10	2669 999 989	-6.8	0.000 000	-0.003
	100 %	0	2669 999 990	-5.7	0.000 000	-0.002
	100 %	+10	2669 999 993	-3.4	0.000 000	-0.001
	100 %	+30	2669 999 994	-1.9	0.000 000	-0.001
	100 %	+40	2669 999 991	-5.1	0.000 000	-0.002
	100 %	+50	2669 999 993	-2.8	0.000 000	-0.001
	Batt. Endpoint	+20	2669 999 991	-4.6	0.000 000	-0.002

▣ BandWidth: 50 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2521.020	100 %	+20(Ref)	2521 019 996	0.0	0.000 000	0.000
	100 %	-30	2521 019 992	-3.7	0.000 000	-0.001
	100 %	-20	2521 019 992	-3.6	0.000 000	-0.001
	100 %	-10	2521 019 992	-3.9	0.000 000	-0.002
	100 %	0	2521 019 994	-2.2	0.000 000	-0.001
	100 %	+10	2521 019 990	-5.6	0.000 000	-0.002
	100 %	+30	2521 019 992	-3.9	0.000 000	-0.002
	100 %	+40	2521 019 992	-4.0	0.000 000	-0.002
	100 %	+50	2521 019 996	0.6	0.000 000	0.000
	Batt. Endpoint	+20	2521 019 994	-1.8	0.000 000	-0.001
2664.990	100 %	+20(Ref)	2664 989 994	0.0	0.000 000	0.000
	100 %	-30	2664 989 990	-4.6	0.000 000	-0.002
	100 %	-20	2664 989 987	-7.0	0.000 000	-0.003
	100 %	-10	2664 989 985	-8.8	0.000 000	-0.003
	100 %	0	2664 989 991	-3.3	0.000 000	-0.001
	100 %	+10	2664 989 988	-6.2	0.000 000	-0.002
	100 %	+30	2664 989 995	0.7	0.000 000	0.000
	100 %	+40	2664 989 992	-2.3	0.000 000	-0.001
	100 %	+50	2664 989 987	-7.0	0.000 000	-0.003
	Batt. Endpoint	+20	2664 989 992	-2.5	0.000 000	-0.001

▣ BandWidth: 60 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2526.000	100 %	+20(Ref)	2525 999 996	0.0	0.000 000	0.000
	100 %	-30	2525 999 990	-6.7	0.000 000	-0.003
	100 %	-20	2525 999 995	-1.4	0.000 000	-0.001
	100 %	-10	2525 999 992	-4.0	0.000 000	-0.002
	100 %	0	2525 999 994	-2.7	0.000 000	-0.001
	100 %	+10	2525 999 995	-1.2	0.000 000	0.000
	100 %	+30	2525 999 992	-4.4	0.000 000	-0.002
	100 %	+40	2525 999 995	-1.6	0.000 000	-0.001
	100 %	+50	2525 999 991	-5.1	0.000 000	-0.002
	Batt. Endpoint	+20	2525 999 990	-6.2	0.000 000	-0.002
2659.980	100 %	+20(Ref)	2659 979 991	0.0	0.000 000	0.000
	100 %	-30	2659 979 982	-9.0	0.000 000	-0.003
	100 %	-20	2659 979 988	-3.3	0.000 000	-0.001
	100 %	-10	2659 979 988	-2.5	0.000 000	-0.001
	100 %	0	2659 979 987	-3.6	0.000 000	-0.001
	100 %	+10	2659 979 984	-6.8	0.000 000	-0.003
	100 %	+30	2659 979 985	-5.8	0.000 000	-0.002
	100 %	+40	2659 979 985	-5.8	0.000 000	-0.002
	100 %	+50	2659 979 985	-5.6	0.000 000	-0.002
	Batt. Endpoint	+20	2659 979 987	-4.1	0.000 000	-0.002

▣ BandWidth: 70 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2531.010	100 %	+20(Ref)	2531 009 998	0.0	0.000 000	0.000
	100 %	-30	2531 009 996	-2.0	0.000 000	-0.001
	100 %	-20	2531 009 992	-5.9	0.000 000	-0.002
	100 %	-10	2531 009 995	-2.7	0.000 000	-0.001
	100 %	0	2531 009 995	-2.7	0.000 000	-0.001
	100 %	+10	2531 009 996	-2.5	0.000 000	-0.001
	100 %	+30	2531 009 996	-2.2	0.000 000	-0.001
	100 %	+40	2531 009 993	-5.0	0.000 000	-0.002
	100 %	+50	2531 009 997	-1.4	0.000 000	-0.001
	Batt. Endpoint	+20	2531 009 996	-2.5	0.000 000	-0.001
2655.000	100 %	+20(Ref)	2654 999 995	0.0	0.000 000	0.000
	100 %	-30	2654 999 992	-3.2	0.000 000	-0.001
	100 %	-20	2654 999 990	-4.9	0.000 000	-0.002
	100 %	-10	2654 999 992	-3.2	0.000 000	-0.001
	100 %	0	2654 999 994	-0.7	0.000 000	0.000
	100 %	+10	2654 999 990	-5.3	0.000 000	-0.002
	100 %	+30	2654 999 994	-1.0	0.000 000	0.000
	100 %	+40	2654 999 991	-4.6	0.000 000	-0.002
	100 %	+50	2654 999 992	-3.5	0.000 000	-0.001
	Batt. Endpoint	+20	2654 999 992	-3.6	0.000 000	-0.001

▣ BandWidth: 80 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2536.020	100 %	+20(Ref)	2536 020 000	0.0	0.000 000	0.000
	100 %	-30	2536 020 000	0.2	0.000 000	0.000
	100 %	-20	2536 019 997	-3.3	0.000 000	-0.001
	100 %	-10	2536 019 999	-1.3	0.000 000	-0.001
	100 %	0	2536 019 997	-3.6	0.000 000	-0.001
	100 %	+10	2536 019 999	-1.5	0.000 000	-0.001
	100 %	+30	2536 019 997	-3.7	0.000 000	-0.001
	100 %	+40	2536 019 997	-3.7	0.000 000	-0.001
	100 %	+50	2536 020 000	0.0	0.000 000	0.000
	Batt. Endpoint	+20	2536 019 995	-4.9	0.000 000	-0.002
2649.990	100 %	+20(Ref)	2649 989 993	0.0	0.000 000	0.000
	100 %	-30	2649 989 987	-5.4	0.000 000	-0.002
	100 %	-20	2649 989 989	-3.9	0.000 000	-0.001
	100 %	-10	2649 989 989	-3.9	0.000 000	-0.001
	100 %	0	2649 989 985	-8.1	0.000 000	-0.003
	100 %	+10	2649 989 986	-6.9	0.000 000	-0.003
	100 %	+30	2649 989 986	-6.9	0.000 000	-0.003
	100 %	+40	2649 989 984	-8.5	0.000 000	-0.003
	100 %	+50	2649 989 987	-5.7	0.000 000	-0.002
	Batt. Endpoint	+20	2649 989 988	-5.1	0.000 000	-0.002

▣ BandWidth: 90 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2541.000	100 %	+20(Ref)	2540 999 999	0.0	0.000 000	0.000
	100 %	-30	2540 999 993	-5.7	0.000 000	-0.002
	100 %	-20	2540 999 996	-2.9	0.000 000	-0.001
	100 %	-10	2540 999 994	-4.4	0.000 000	-0.002
	100 %	0	2540 999 994	-4.8	0.000 000	-0.002
	100 %	+10	2540 999 994	-4.3	0.000 000	-0.002
	100 %	+30	2540 999 996	-2.2	0.000 000	-0.001
	100 %	+40	2540 999 997	-1.6	0.000 000	-0.001
	100 %	+50	2540 999 997	-1.6	0.000 000	-0.001
	Batt. Endpoint	+20	2540 999 994	-4.3	0.000 000	-0.002
2644.980	100 %	+20(Ref)	2644 979 993	0.0	0.000 000	0.000
	100 %	-30	2644 979 985	-7.9	0.000 000	-0.003
	100 %	-20	2644 979 986	-7.2	0.000 000	-0.003
	100 %	-10	2644 979 987	-6.3	0.000 000	-0.002
	100 %	0	2644 979 986	-7.0	0.000 000	-0.003
	100 %	+10	2644 979 992	-0.7	0.000 000	0.000
	100 %	+30	2644 979 992	-0.7	0.000 000	0.000
	100 %	+40	2644 979 985	-7.8	0.000 000	-0.003
	100 %	+50	2644 979 990	-3.4	0.000 000	-0.001
	Batt. Endpoint	+20	2644 979 987	-6.2	0.000 000	-0.002

▣ BandWidth: 100 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

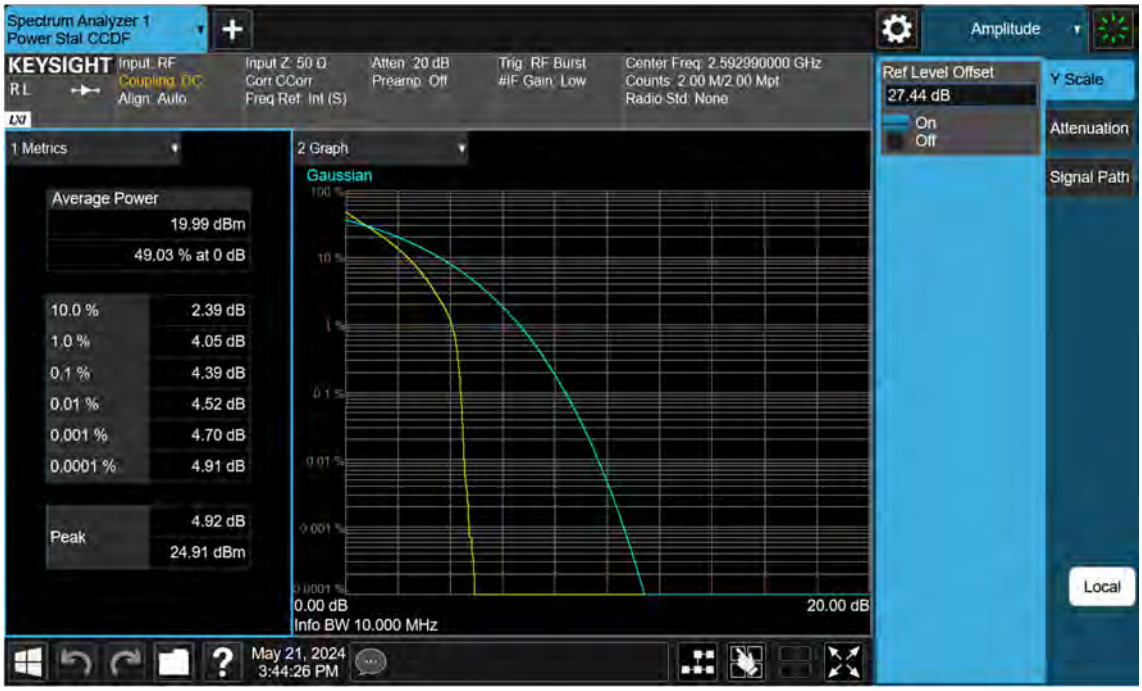
▣ LIMIT: Emission must remain in band

Test. Frequncy	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2546.010	100 %	+20(Ref)	2546 009 997	0.0	0.000 000	0.000
	100 %	-30	2546 010 000	3.3	0.000 000	0.001
	100 %	-20	2546 009 994	-2.5	0.000 000	-0.001
	100 %	-10	2546 009 999	1.9	0.000 000	0.001
	100 %	0	2546 009 997	-0.3	0.000 000	0.000
	100 %	+10	2546 009 996	-0.6	0.000 000	0.000
	100 %	+30	2546 009 994	-2.5	0.000 000	-0.001
	100 %	+40	2546 009 997	0.2	0.000 000	0.000
	100 %	+50	2546 009 991	-5.8	0.000 000	-0.002
	Batt. Endpoint	+20	2546 009 991	-5.8	0.000 000	-0.002
2640.000	100 %	+20(Ref)	2639 999 992	0.0	0.000 000	0.000
	100 %	-30	2639 999 990	-2.3	0.000 000	-0.001
	100 %	-20	2639 999 990	-2.3	0.000 000	-0.001
	100 %	-10	2639 999 989	-3.0	0.000 000	-0.001
	100 %	0	2639 999 991	-0.6	0.000 000	0.000
	100 %	+10	2639 999 990	-1.7	0.000 000	-0.001
	100 %	+30	2639 999 991	-1.0	0.000 000	0.000
	100 %	+40	2639 999 987	-5.5	0.000 000	-0.002
	100 %	+50	2639 999 989	-3.6	0.000 000	-0.001
	Batt. Endpoint	+20	2639 999 986	-6.2	0.000 000	-0.002

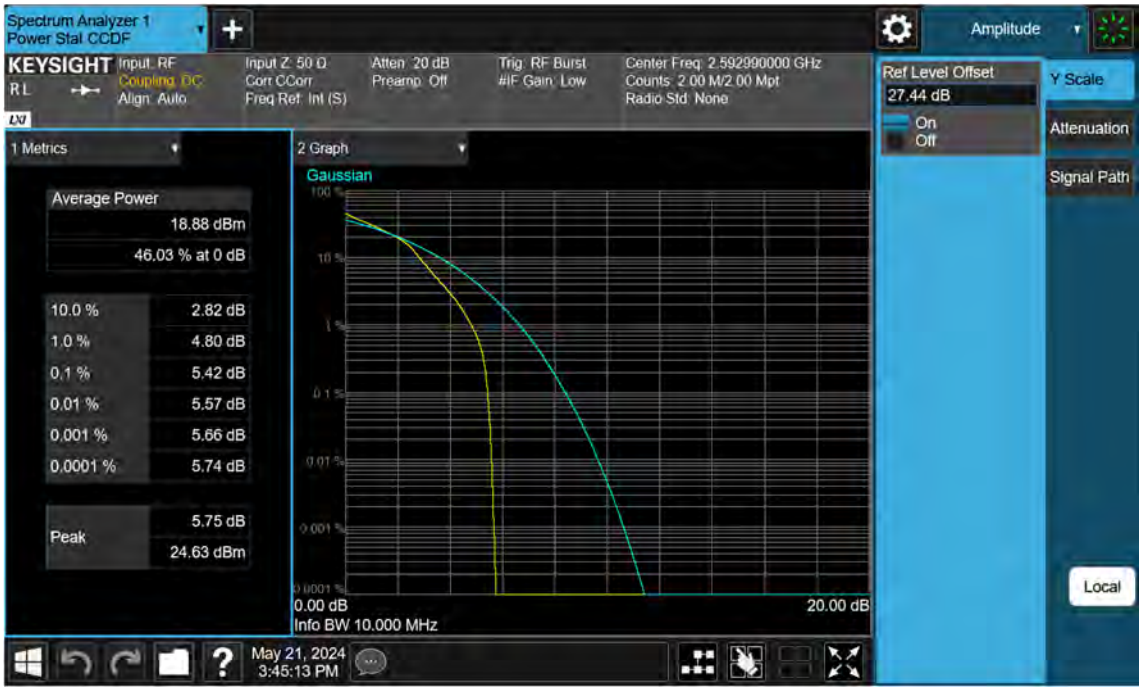
10. TEST PLOTS (ANT B)

Sub6 n41_10 M_PAR_Mid_BPSK_FullRB

Sub6 n41_10 M_PAR_Mid_QPSK_FullRB



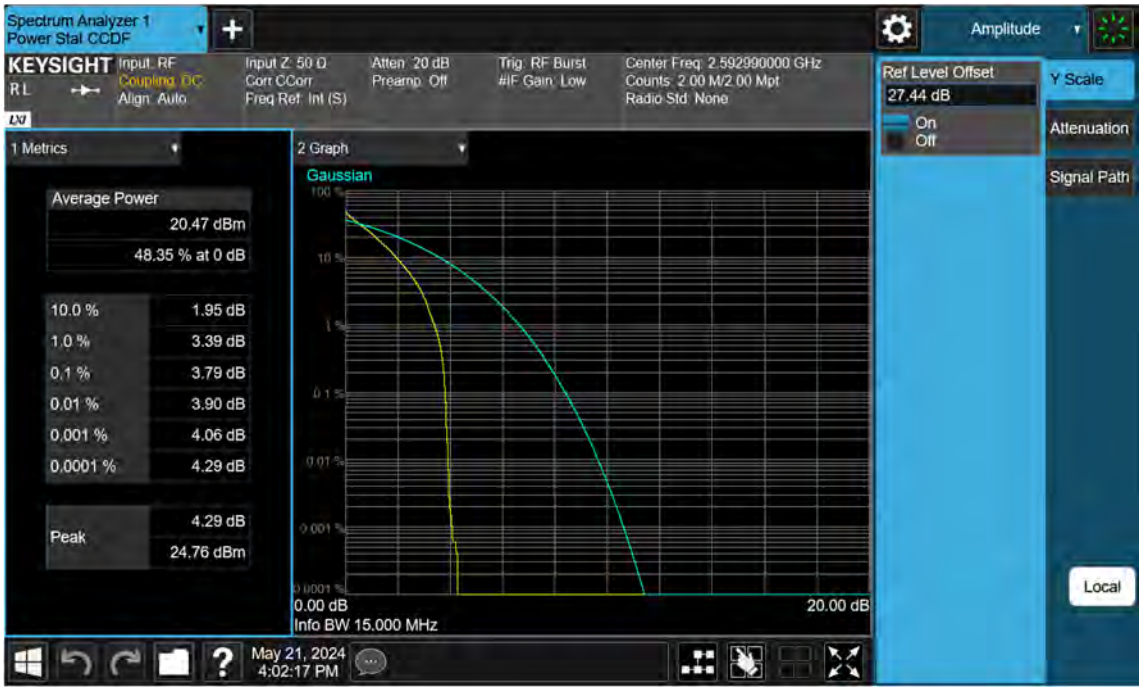
Sub6 n41_10 M_PAR_Mid_16QAM_FullRB



Sub6 n41_10 M_PAR_Mid_64QAM_FullRB

Sub6 n41_10 M_PAR_Mid_256QAM_FullRB

Sub6 n41_15 M_PAR_Mid_BPSK_FullRB



Sub6 n41_15 M_PAR_Mid_QPSK_FullRB

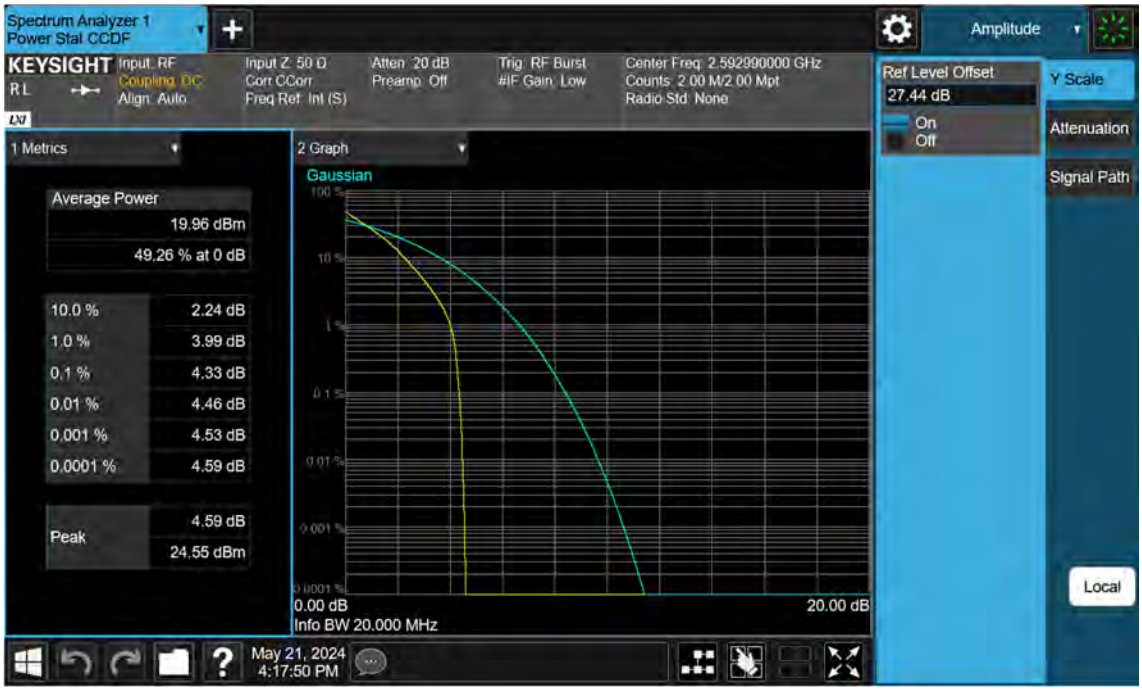
Sub6 n41_15 M_PAR_Mid_16QAM_FullRB

Sub6 n41_15 M_PAR_Mid_64QAM_FullRB

Sub6 n41_15 M_PAR_Mid_256QAM_FullRB

Sub6 n41_20 M_PAR_Mid_BPSK_FullRB

Sub6 n41_20 M_PAR_Mid_QPSK_FullRB

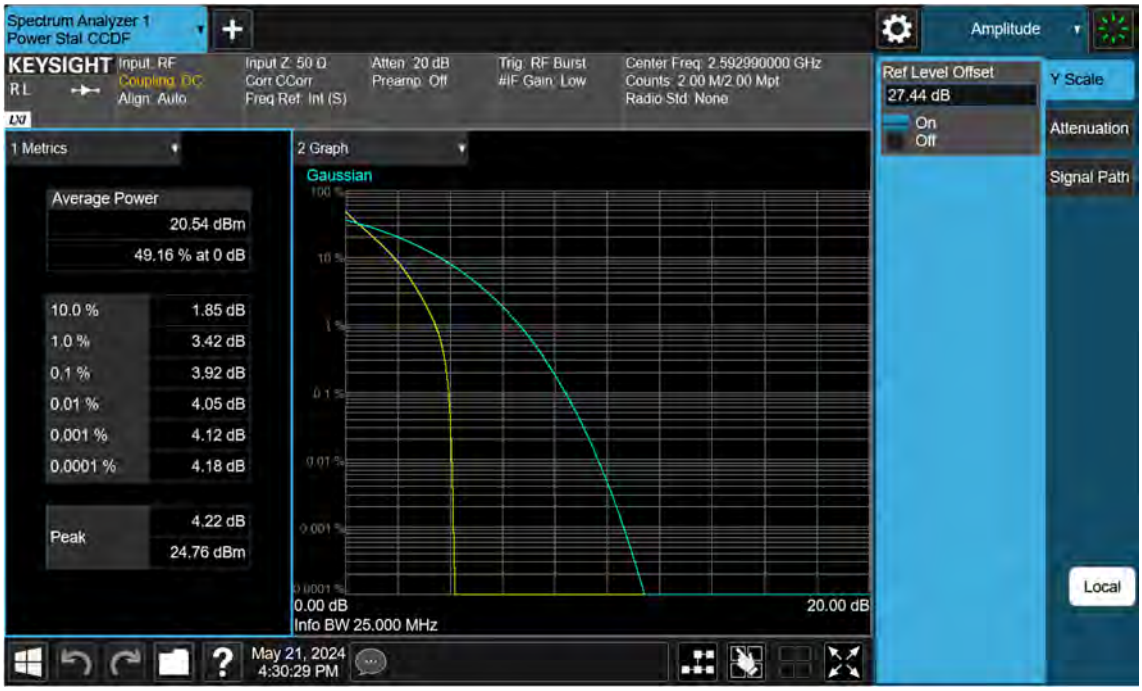


Sub6 n41_20 M_PAR_Mid_16QAM_FullRB

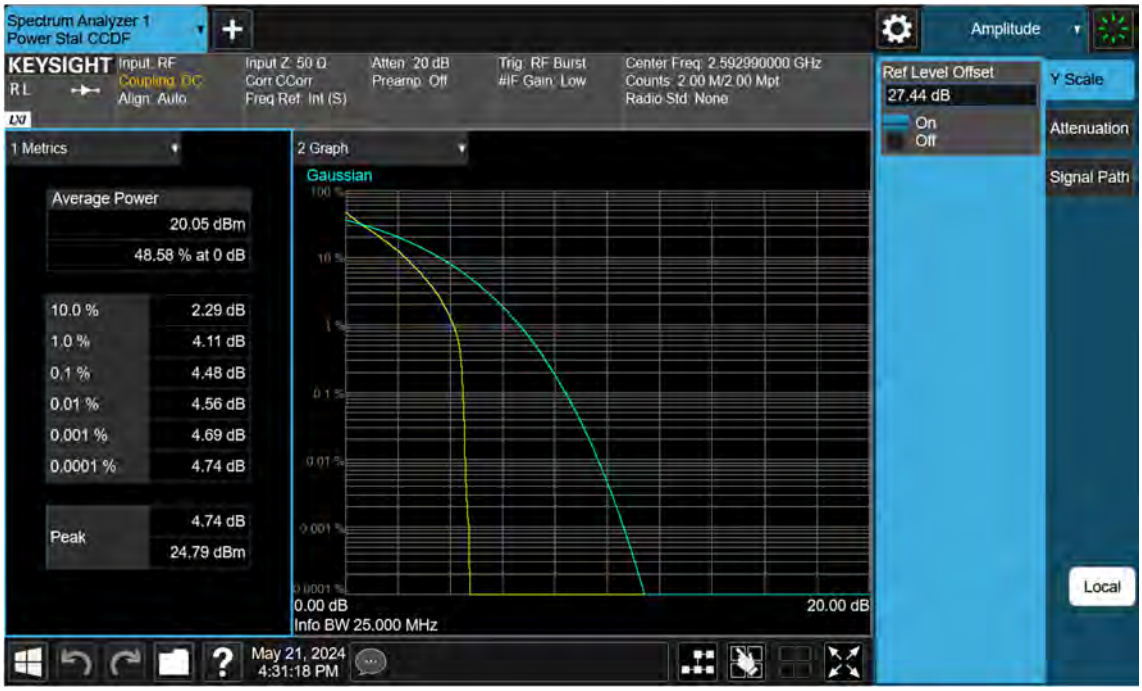
Sub6 n41_20 M_PAR_Mid_64QAM_FullRB

Sub6 n41_20 M_PAR_Mid_256QAM_FullRB

Sub6 n41_25 M_PAR_Mid_BPSK_FullRB



Sub6 n41_25 M_PAR_Mid_QPSK_FullRB

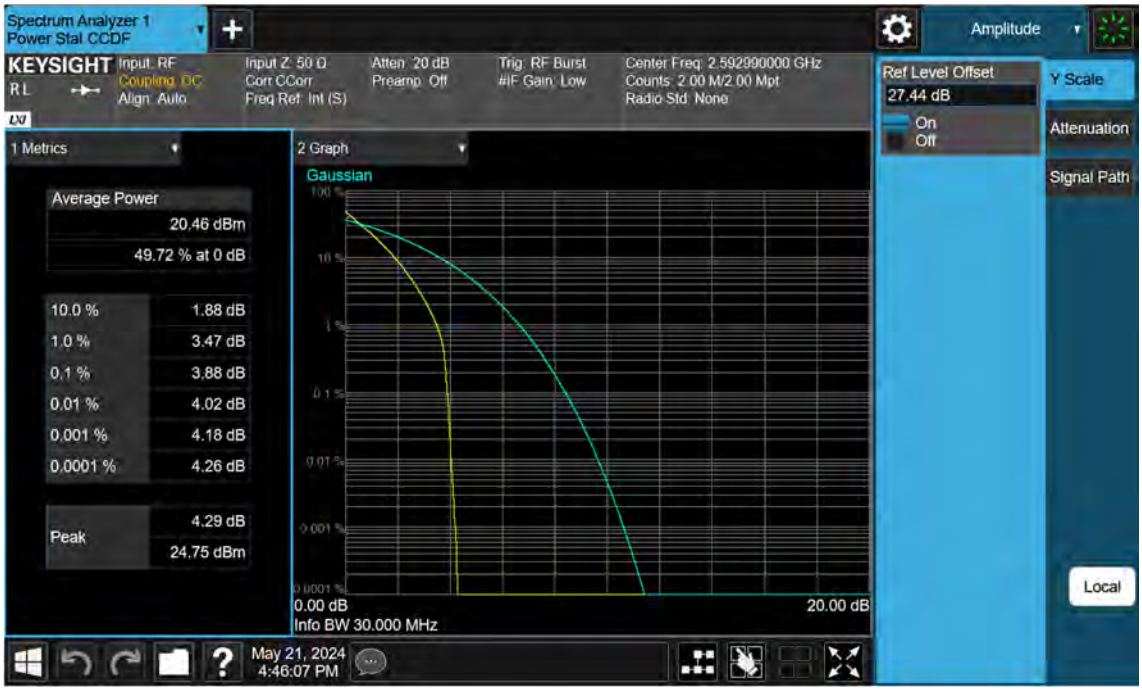


Sub6 n41_25 M_PAR_Mid_16QAM_FullRB

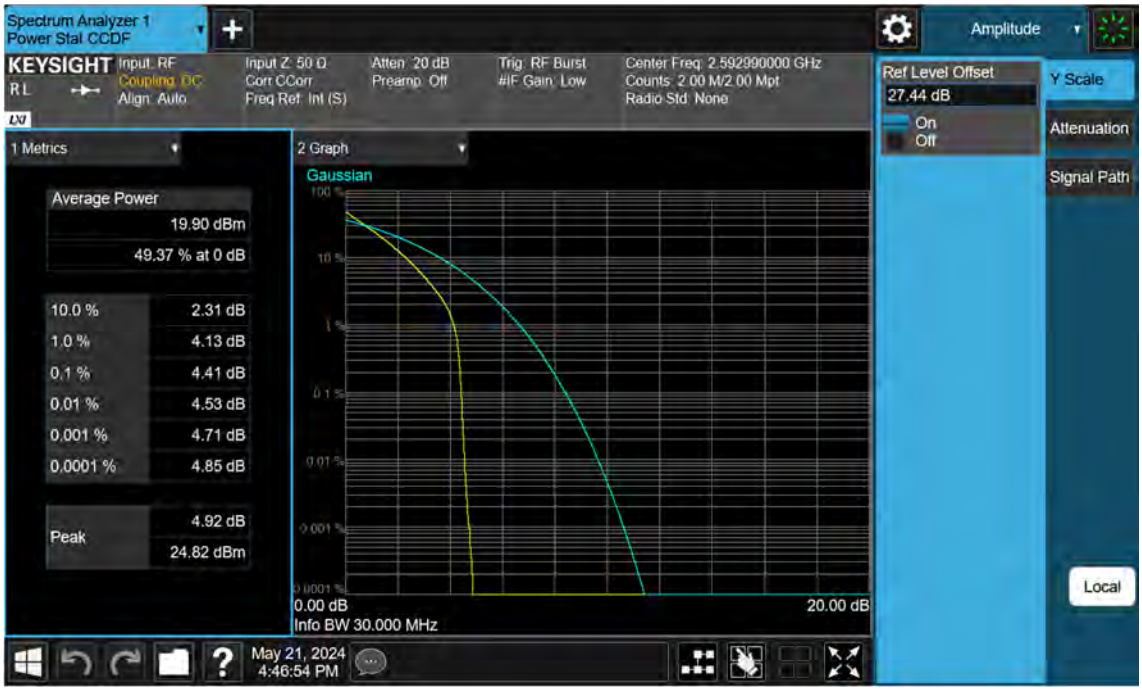
Sub6 n41_25 M_PAR_Mid_64QAM_FullRB

Sub6 n41_25 M_PAR_Mid_256QAM_FullRB

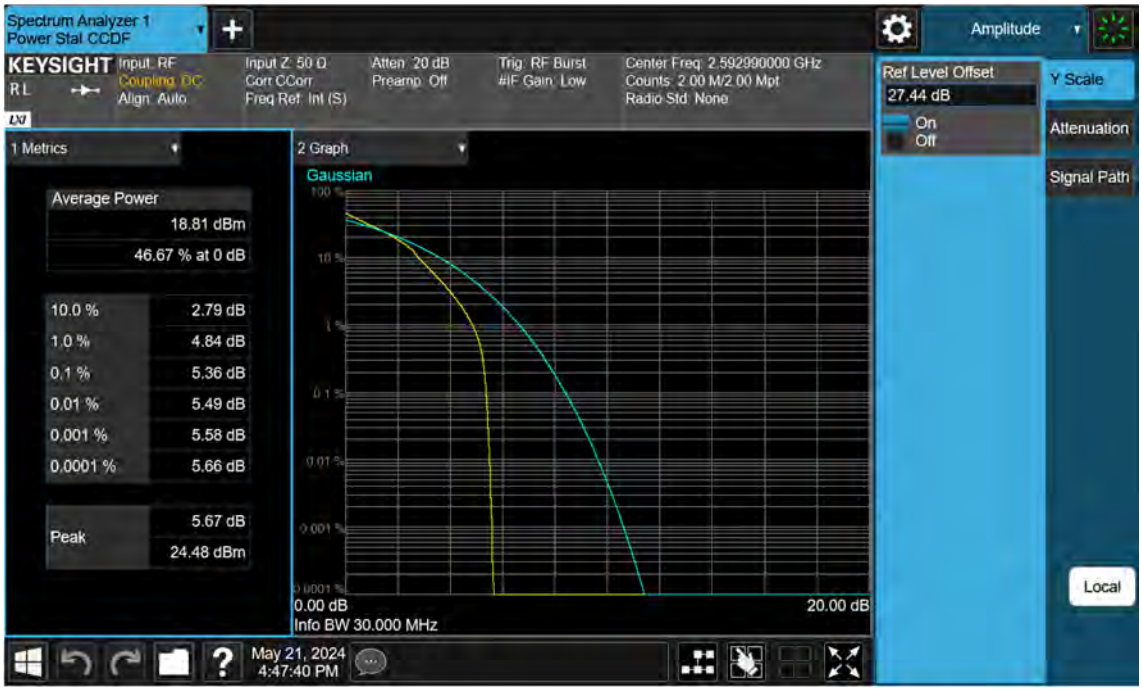
Sub6 n41_30 M_PAR_Mid_BPSK_FullRB



Sub6 n41_30 M_PAR_Mid_QPSK_FullRB



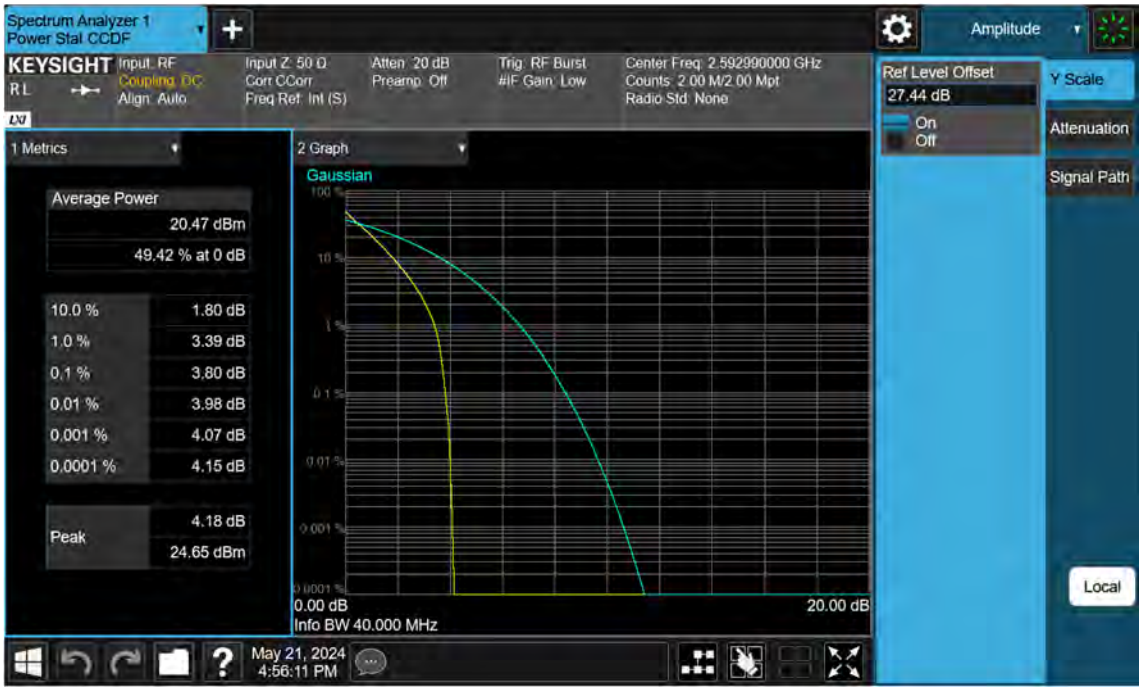
Sub6 n41_30 M_PAR_Mid_16QAM_FullRB



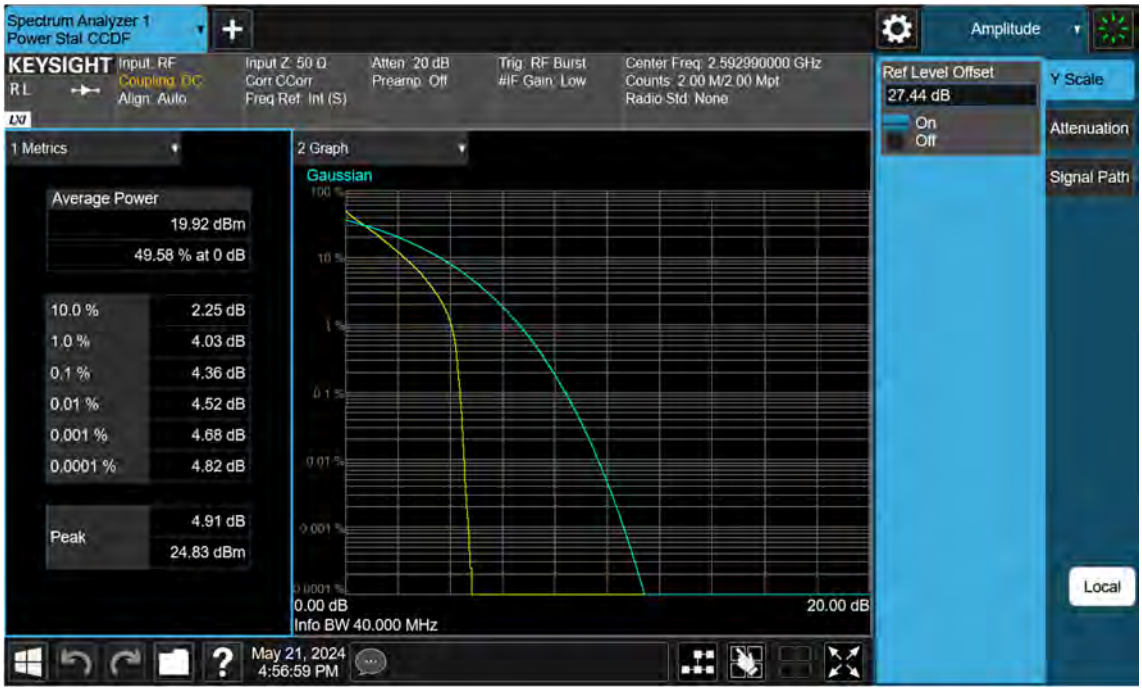
Sub6 n41_30 M_PAR_Mid_64QAM_FullRB

Sub6 n41_30 M_PAR_Mid_256QAM_FullRB

Sub6 n41_40 M_PAR_Mid_BPSK_FullRB



Sub6 n41_40 M_PAR_Mid_QPSK_FullRB

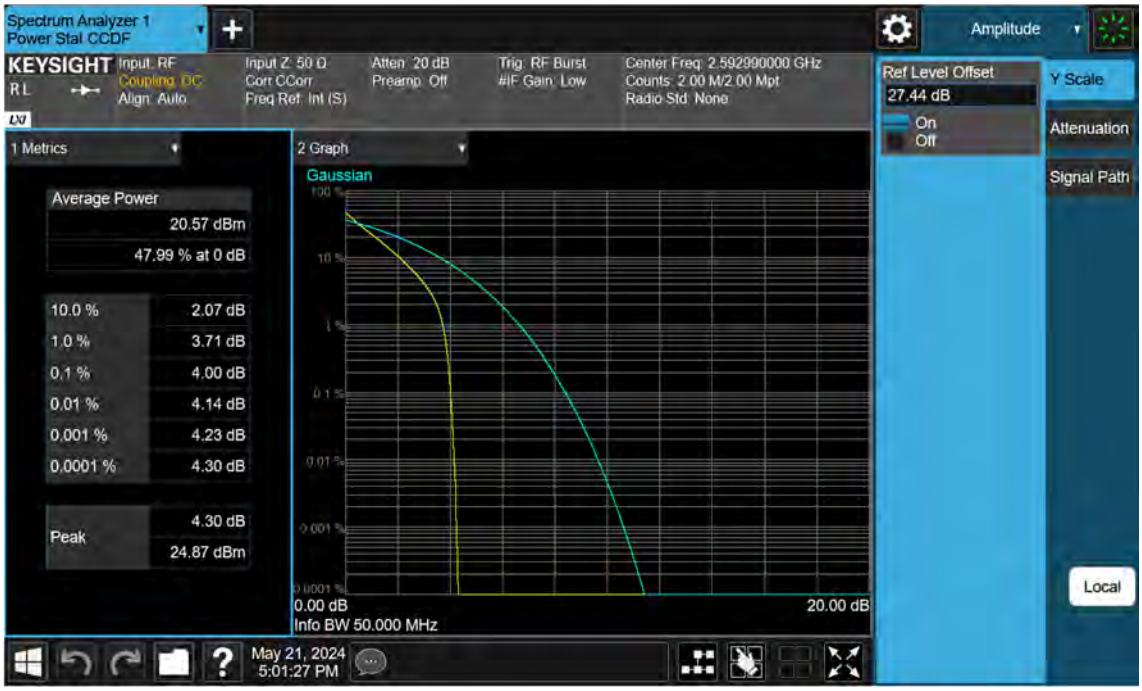


Sub6 n41_40 M_PAR_Mid_16QAM_FullRB

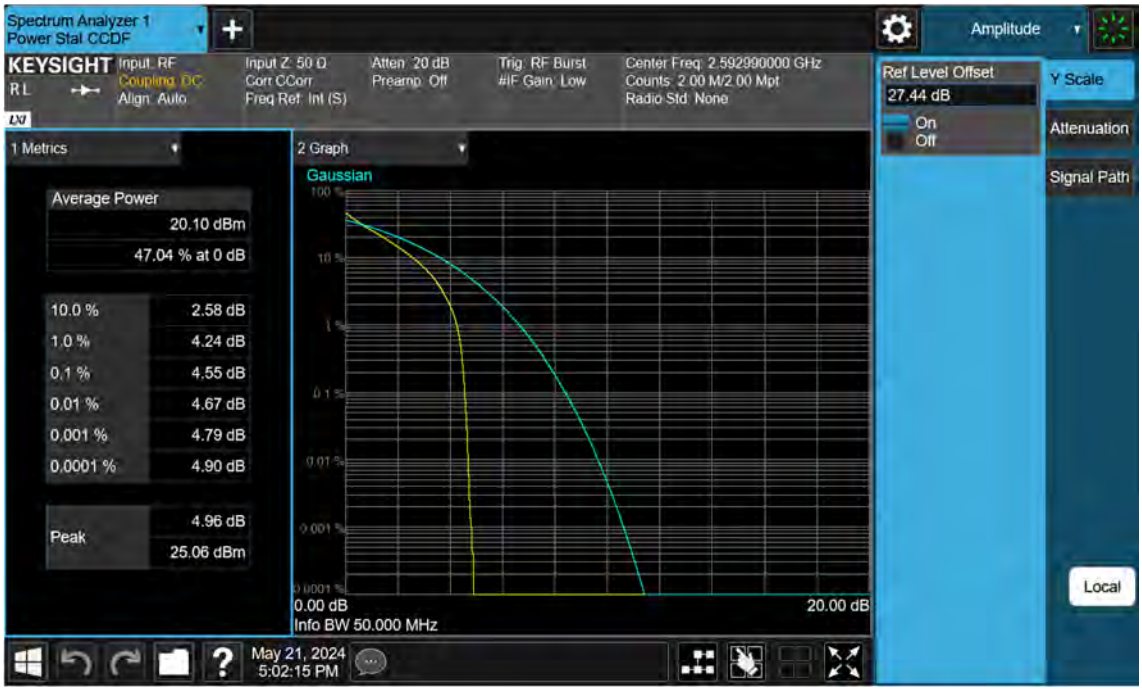
Sub6 n41_40 M_PAR_Mid_64QAM_FullRB

Sub6 n41_40 M_PAR_Mid_256QAM_FullRB

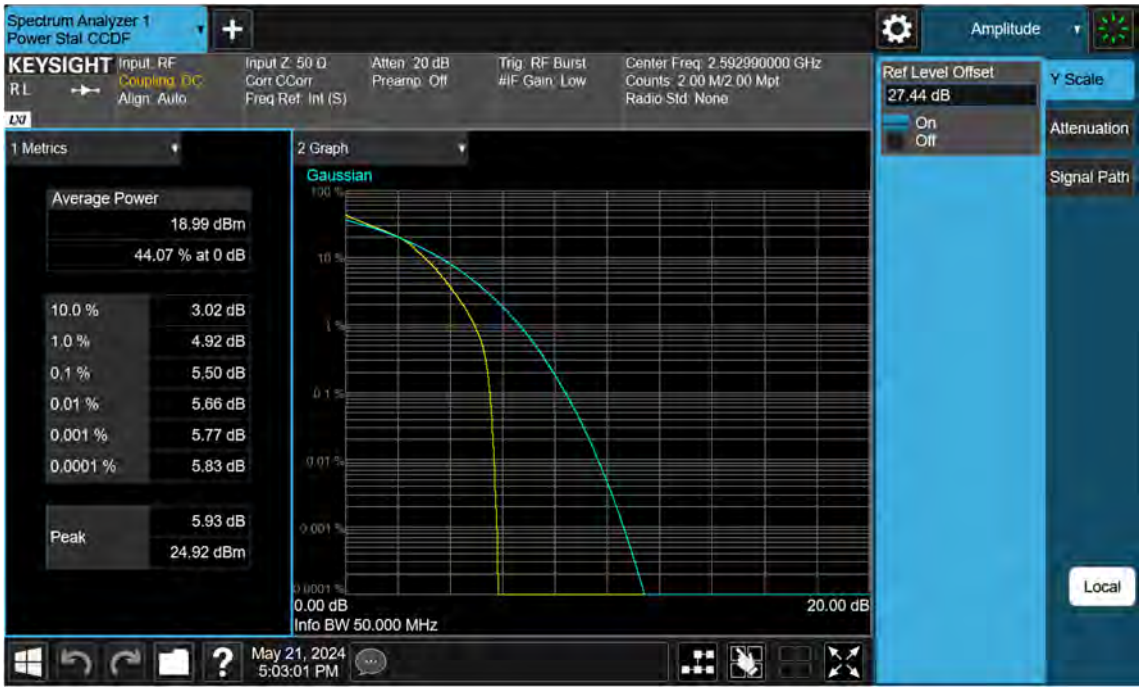
Sub6 n41_50 M_PAR_Mid_BPSK_FullRB



Sub6 n41_50 M_PAR_Mid_QPSK_FullRB



Sub6 n41_50 M_PAR_Mid_16QAM_FullRB

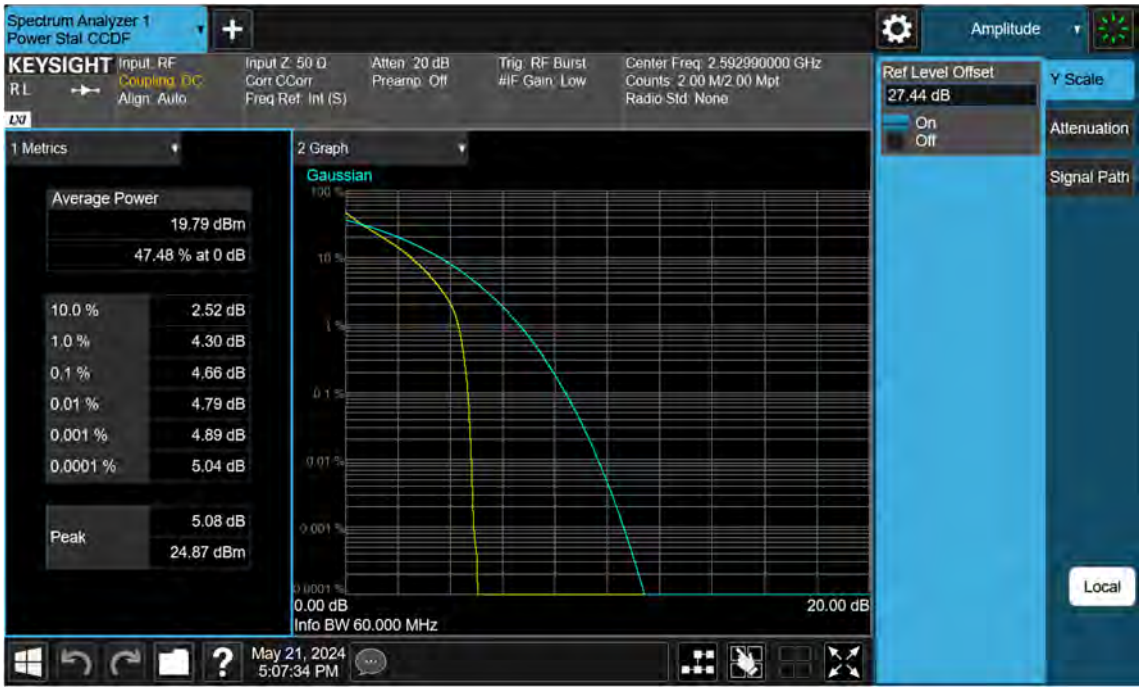


Sub6 n41_50 M_PAR_Mid_64QAM_FullRB

Sub6 n41_50 M_PAR_Mid_256QAM_FullRB

Sub6 n41_60 M_PAR_Mid_BPSK_FullRB

Sub6 n41_60 M_PAR_Mid_QPSK_FullRB

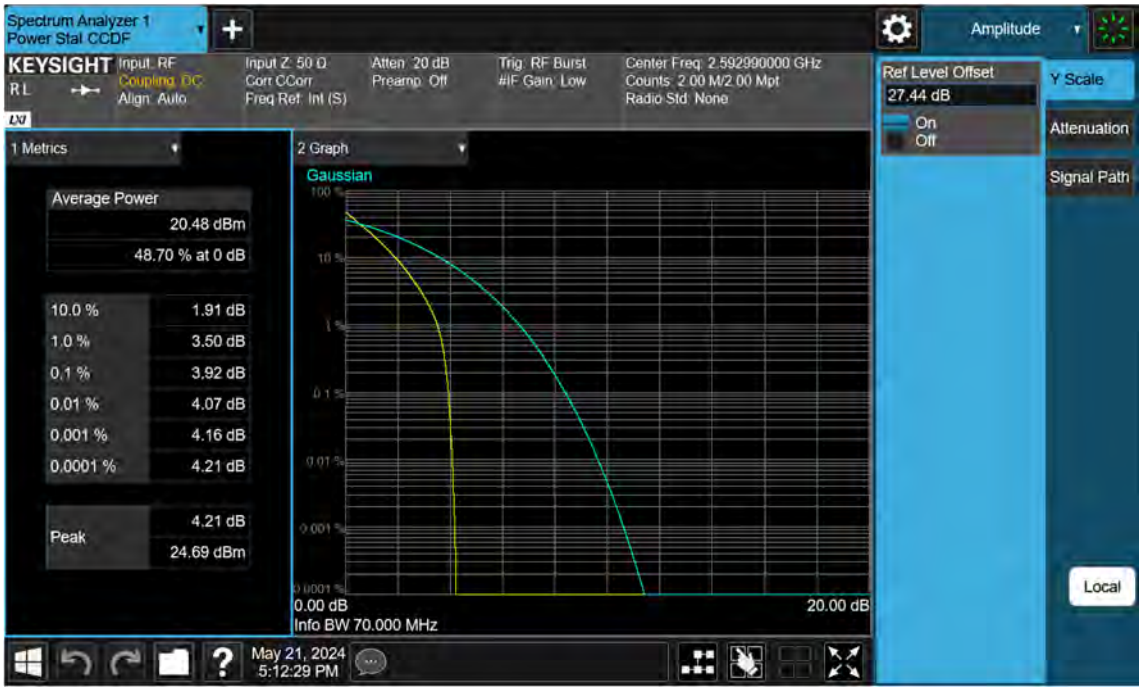


Sub6 n41_60 M_PAR_Mid_16QAM_FullRB

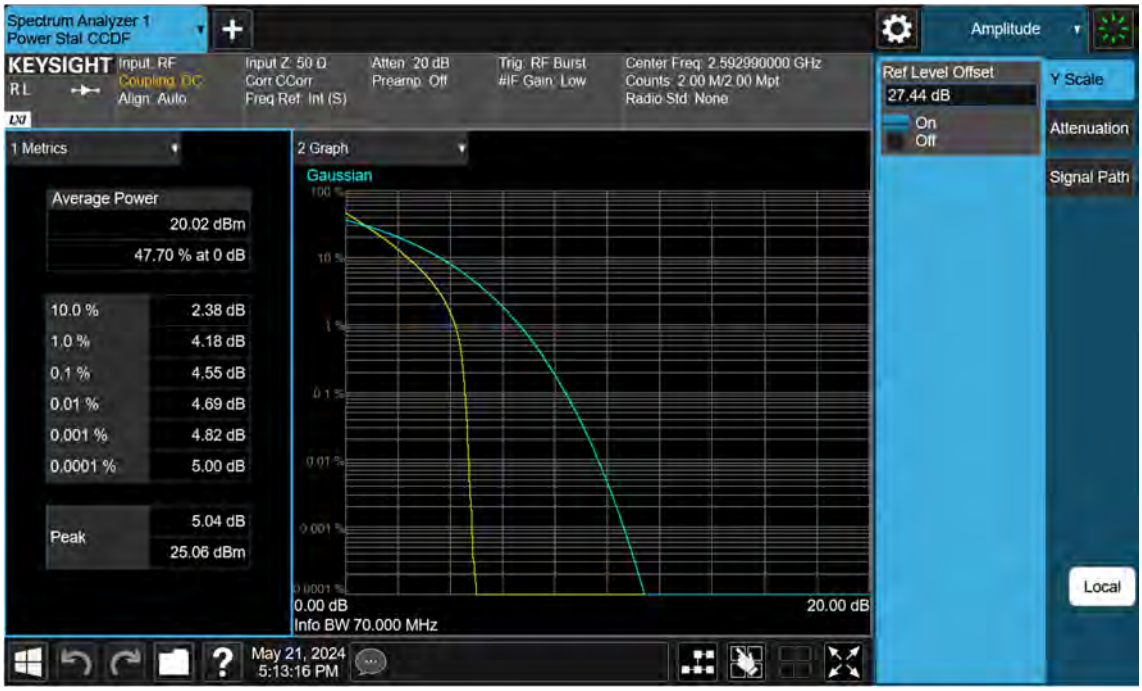
Sub6 n41_60 M_PAR_Mid_64QAM_FullRB

Sub6 n41_60 M_PAR_Mid_256QAM_FullRB

Sub6 n41_70 M_PAR_Mid_BPSK_FullRB



Sub6 n41_70 M_PAR_Mid_QPSK_FullRB

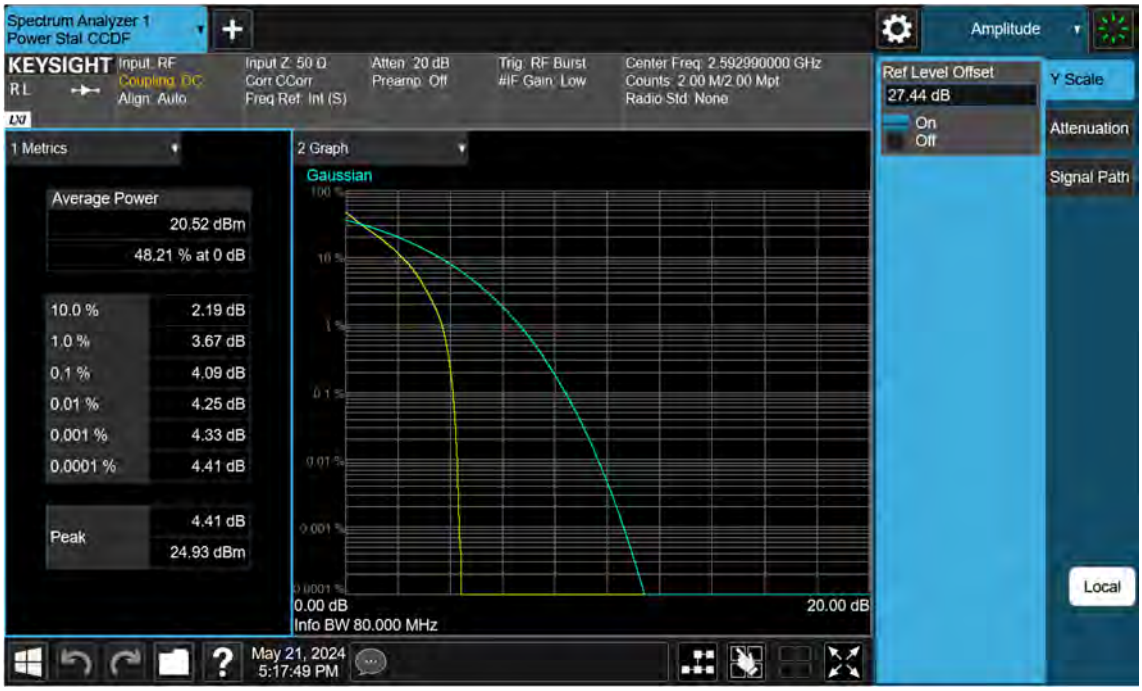


Sub6 n41_70 M_PAR_Mid_16QAM_FullRB

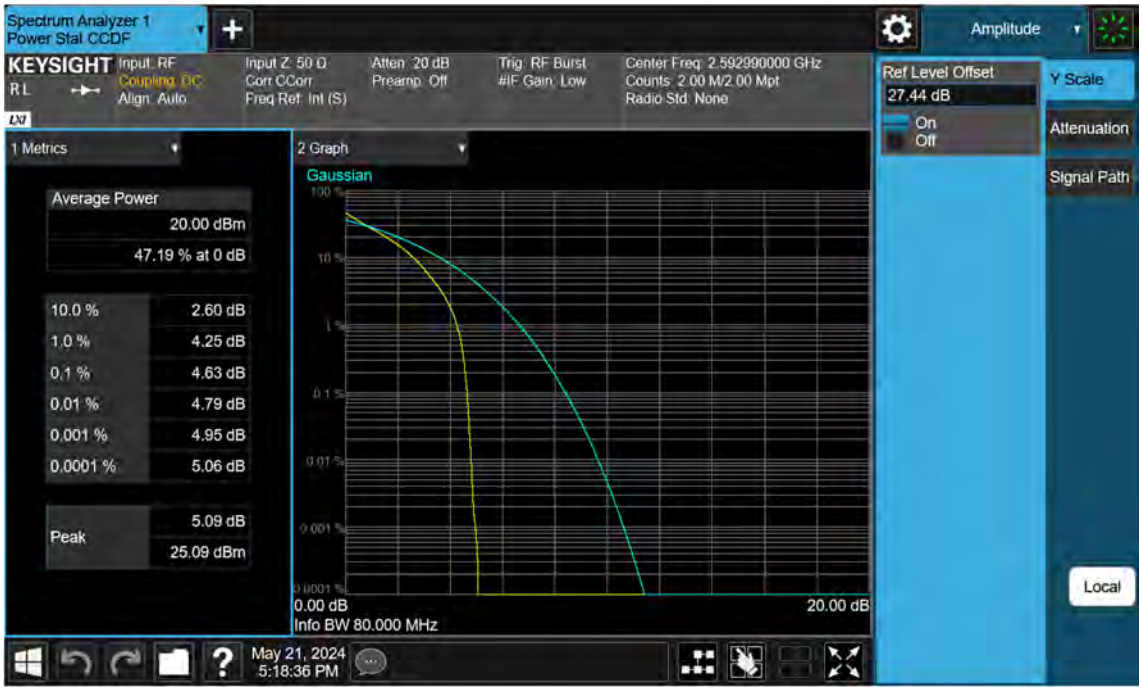
Sub6 n41_70 M_PAR_Mid_64QAM_FullRB

Sub6 n41_70 M_PAR_Mid_256QAM_FullRB

Sub6 n41_80 M_PAR_Mid_BPSK_FullRB



Sub6 n41_80 M_PAR_Mid_QPSK_FullRB

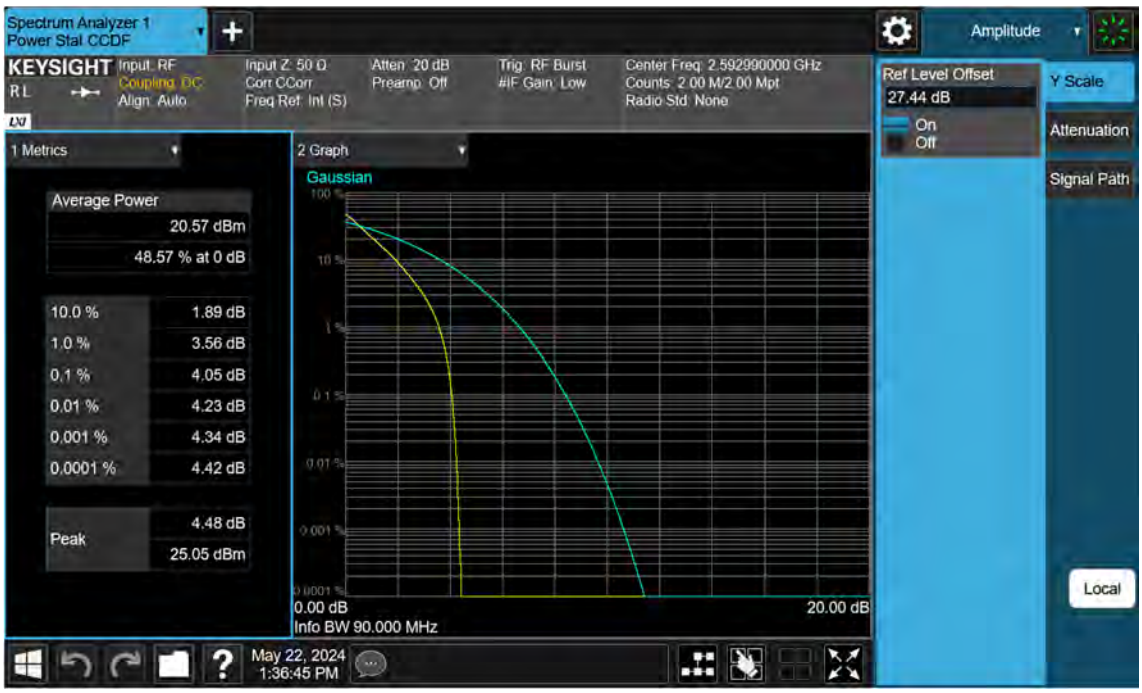


Sub6 n41_80 M_PAR_Mid_16QAM_FullRB

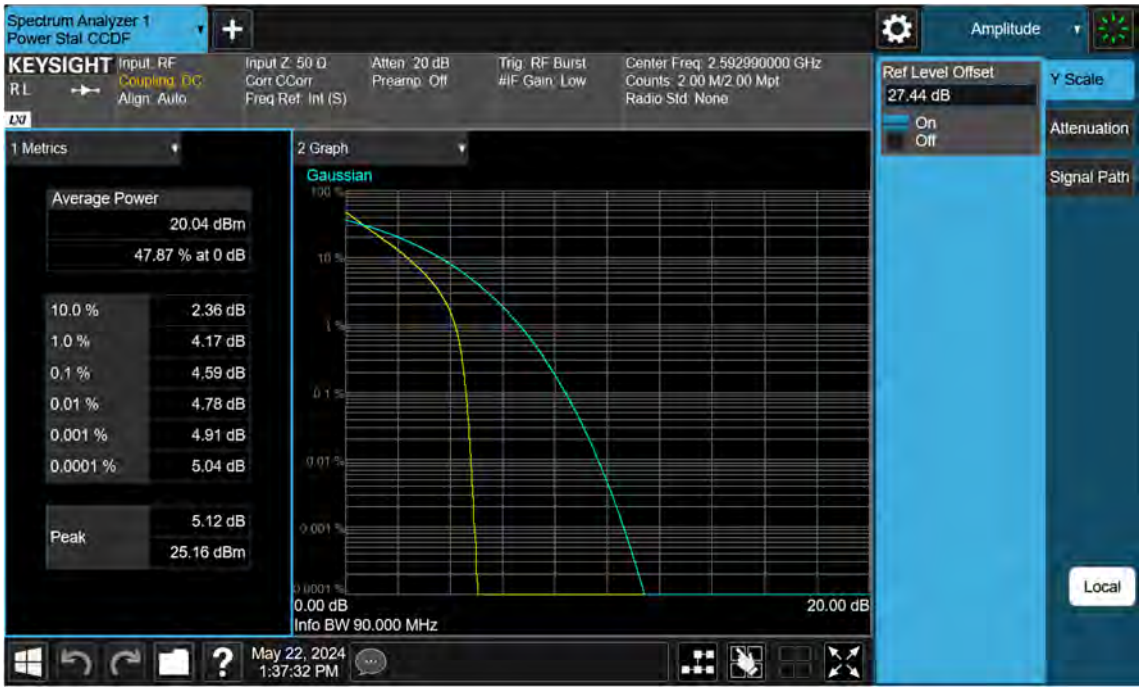
Sub6 n41_80 M_PAR_Mid_64QAM_FullRB

Sub6 n41_80 M_PAR_Mid_256QAM_FullRB

Sub6 n41_90 M_PAR_Mid_BPSK_FullRB



Sub6 n41_90 M_PAR_Mid_QPSK_FullRB



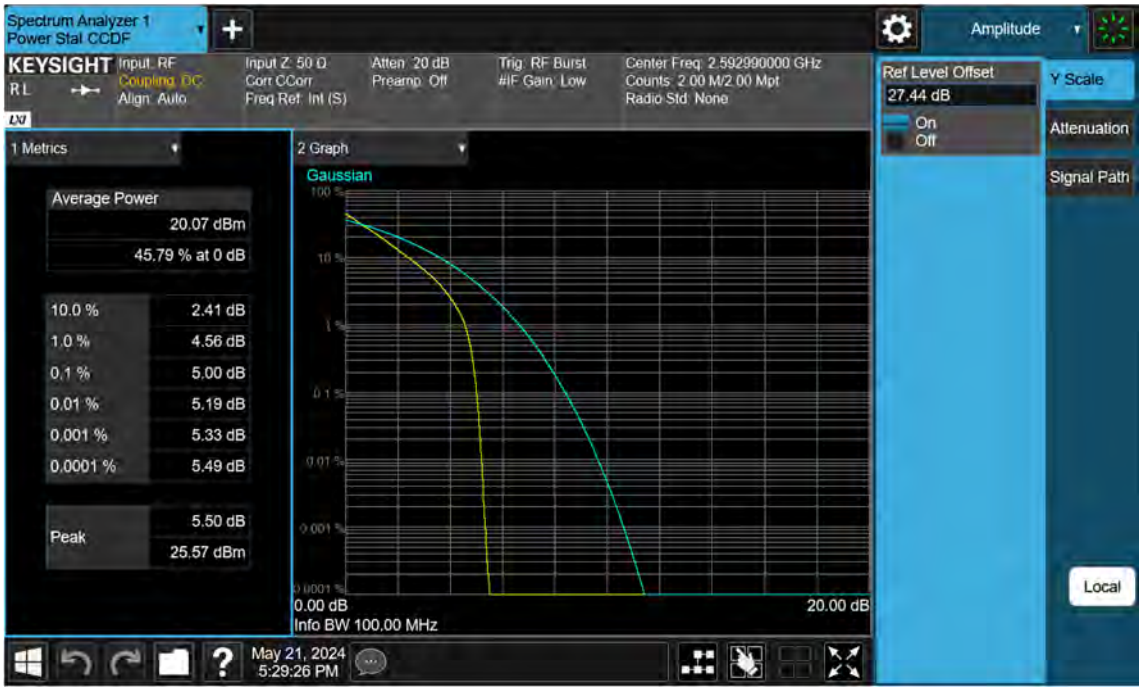
Sub6 n41_90 M_PAR_Mid_16QAM_FullRB

Sub6 n41_90 M_PAR_Mid_64QAM_FullRB

Sub6 n41_90 M_PAR_Mid_256QAM_FullRB

Sub6 n41_100 M_PAR_Mid_BPSK_FullRB

Sub6 n41_100 M_PAR_Mid_QPSK_FullRB



Sub6 n41_100 M_PAR_Mid_16QAM_FullRB

Sub6 n41_100 M_PAR_Mid_64QAM_FullRB

Sub6 n41_100 M_PAR_Mid_256QAM_FullRB

Sub6 n41_10 M_OBW_Mid_BPSK_FullRB

Sub6 n41_10 M_OBW_Mid_QPSK_FullRB

Sub6 n41_10 M_OBW_Mid_16QAM_FullRB

Sub6 n41_10 M_OBW_Mid_64QAM_FullRB

Sub6 n41_10 M_OBW_Mid_256QAM_FullRB

Sub6 n41_15 M_OBW_Mid_BPSK_FullRB

Sub6 n41_15 M_OBW_Mid_QPSK_FullRB

Sub6 n41_15 M_OBW_Mid_16QAM_FullRB

Sub6 n41_15 M_OBW_Mid_64QAM_FullRB

Sub6 n41_15 M_OBW_Mid_256QAM_FullRB

Sub6 n41_20 M_OBW_Mid_BPSK_FullRB

Sub6 n41_20 M_OBW_Mid_QPSK_FullRB

Sub6 n41_20 M_OBW_Mid_16QAM_FullRB

Sub6 n41_20 M_OBW_Mid_64QAM_FullRB

Sub6 n41_20 M_OBW_Mid_256QAM_FullRB

Sub6 n41_25 M_OBW_Mid_BPSK_FullRB

Sub6 n41_25 M_OBW_Mid_QPSK_FullRB

Sub6 n41_25 M_OBW_Mid_16QAM_FullRB

Sub6 n41_25 M_OBW_Mid_64QAM_FullRB

Sub6 n41_25 M_OBW_Mid_256QAM_FullRB

Sub6 n41_30 M_OBW_Mid_BPSK_FullRB

Sub6 n41_30 M_OBW_Mid_QPSK_FullRB

Sub6 n41_30 M_OBW_Mid_16QAM_FullRB

Sub6 n41_30 M_OBW_Mid_64QAM_FullRB

Sub6 n41_30 M_OBW_Mid_256QAM_FullRB

Sub6 n41_40 M_OBW_Mid_BPSK_FullRB

Sub6 n41_40 M_OBW_Mid_QPSK_FullRB

Sub6 n41_40 M_OBW_Mid_16QAM_FullRB

Sub6 n41_40 M_OBW_Mid_64QAM_FullRB

Sub6 n41_40 M_OBW_Mid_256QAM_FullRB

Sub6 n41_50 M_OBW_Mid_BPSK_FullRB

Sub6 n41_50 M_OBW_Mid_QPSK_FullRB

Sub6 n41_50 M_OBW_Mid_16QAM_FullRB

Sub6 n41_50 M_OBW_Mid_64QAM_FullRB

Sub6 n41_50 M_OBW_Mid_256QAM_FullRB

Sub6 n41_60 M_OBW_Mid_BPSK_FullRB

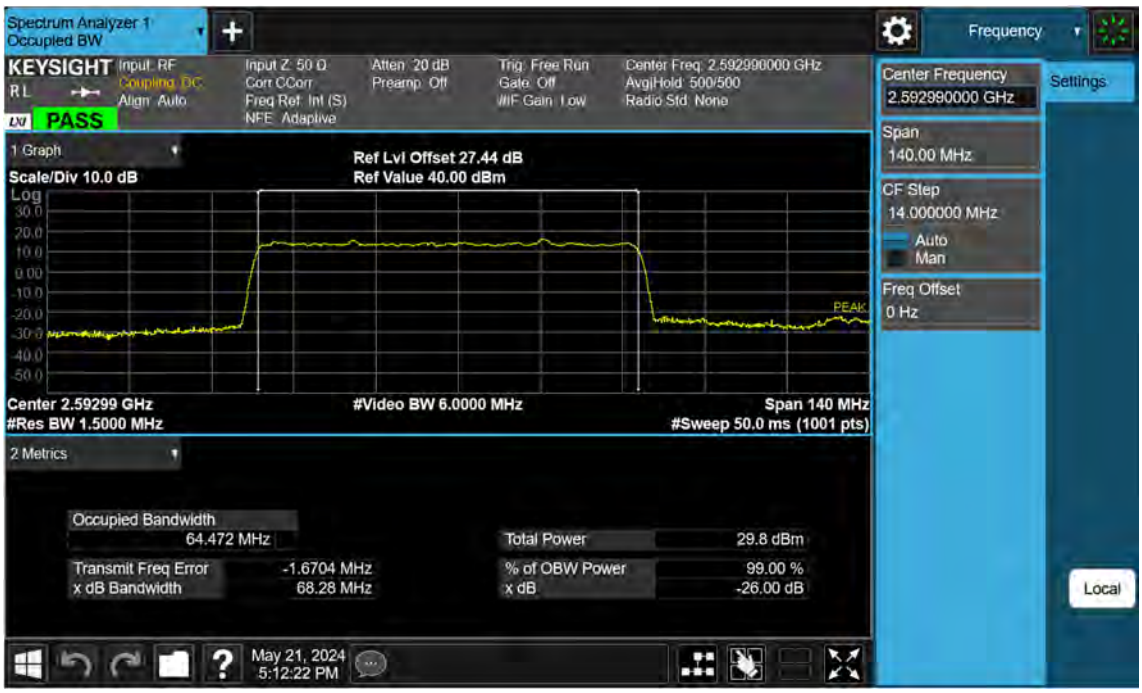
Sub6 n41_60 M_OBW_Mid_QPSK_FullRB

Sub6 n41_60 M_OBW_Mid_16QAM_FullRB

Sub6 n41_60 M_OBW_Mid_64QAM_FullRB

Sub6 n41_60 M_OBW_Mid_256QAM_FullRB

Sub6 n41_70 M_OBW_Mid_BPSK_FullRB



Sub6 n41_70 M_OBW_Mid_QPSK_FullRB

Sub6 n41_70 M_OBW_Mid_16QAM_FullRB

Sub6 n41_70 M_OBW_Mid_64QAM_FullRB

Sub6 n41_70 M_OBW_Mid_256QAM_FullRB

Sub6 n41_80 M_OBW_Mid_BPSK_FullRB

Sub6 n41_80 M_OBW_Mid_QPSK_FullRB

Sub6 n41_80 M_OBW_Mid_16QAM_FullRB

Sub6 n41_80 M_OBW_Mid_64QAM_FullRB

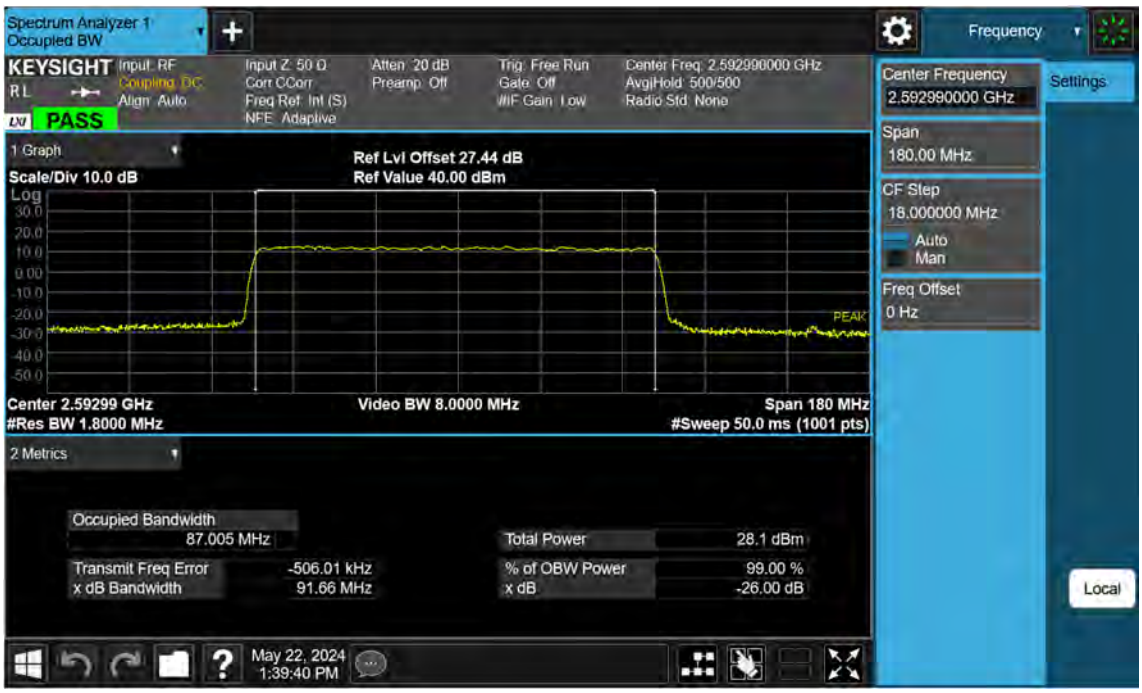
Sub6 n41_80 M_OBW_Mid_256QAM_FullRB

Sub6 n41_90 M_OBW_Mid_BPSK_FullRB

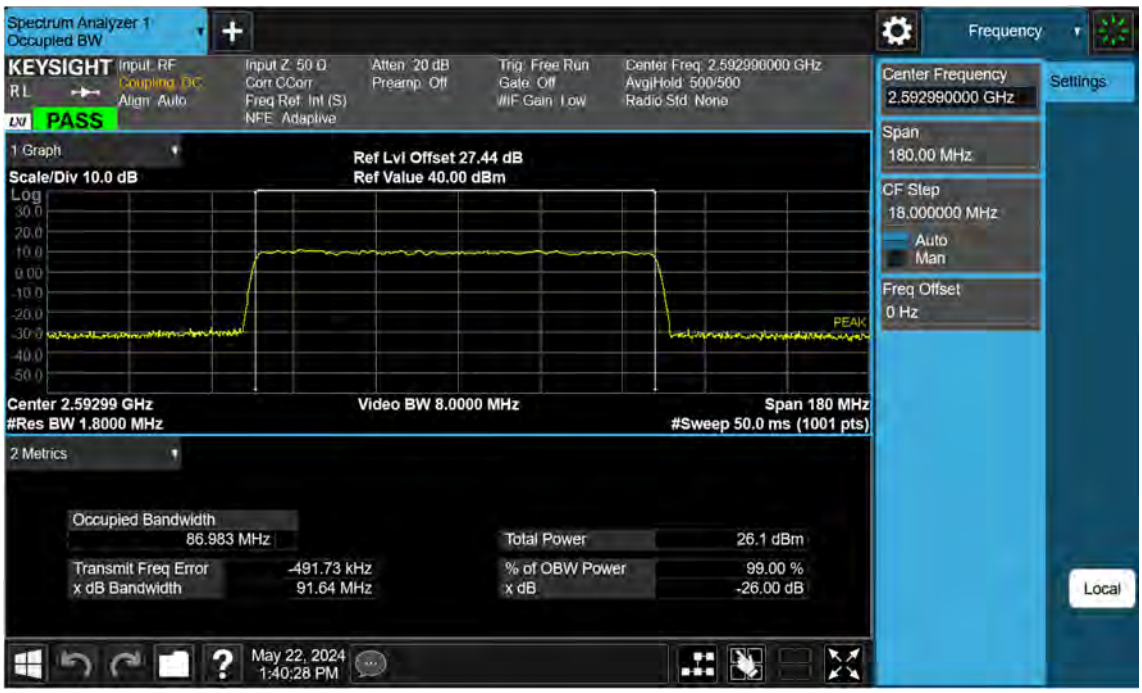
Sub6 n41_90 M_OBW_Mid_QPSK_FullRB

Sub6 n41_90 M_OBW_Mid_16QAM_FullRB

Sub6 n41_90 M_OBW_Mid_64QAM_FullRB



Sub6 n41_90 M_OBW_Mid_256QAM_FullRB



Sub6 n41_100 M_OBW_Mid_BPSK_FullRB

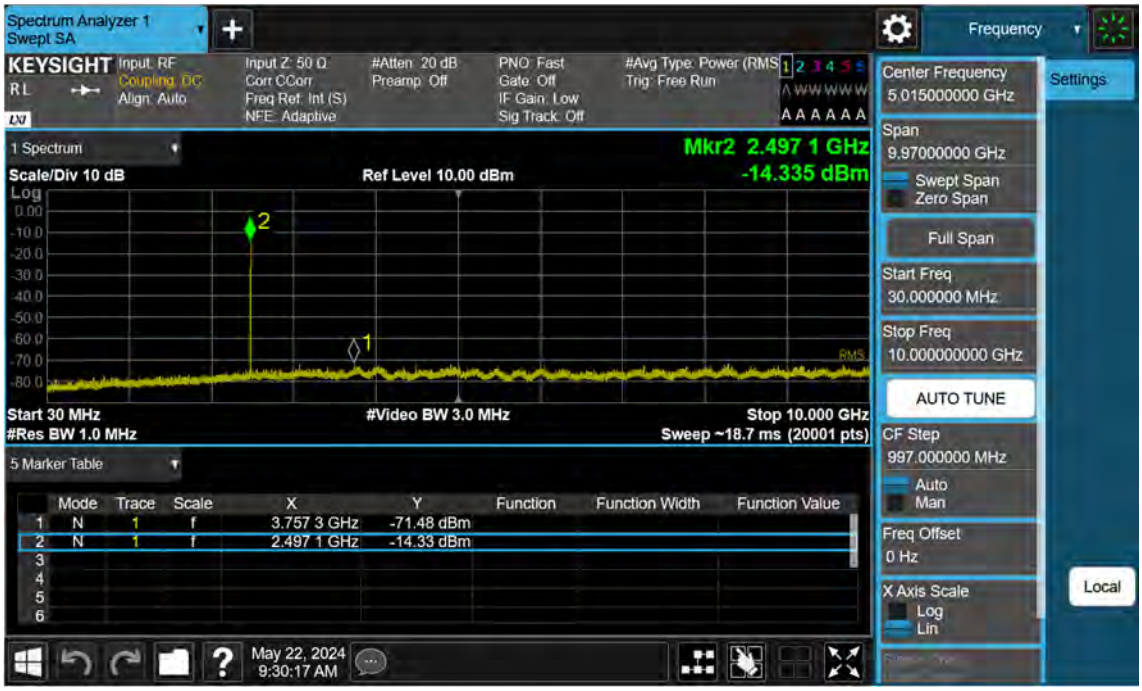
Sub6 n41_100 M_OBW_Mid_QPSK_FullRB

Sub6 n41_100 M_OBW_Mid_16QAM_FullRB

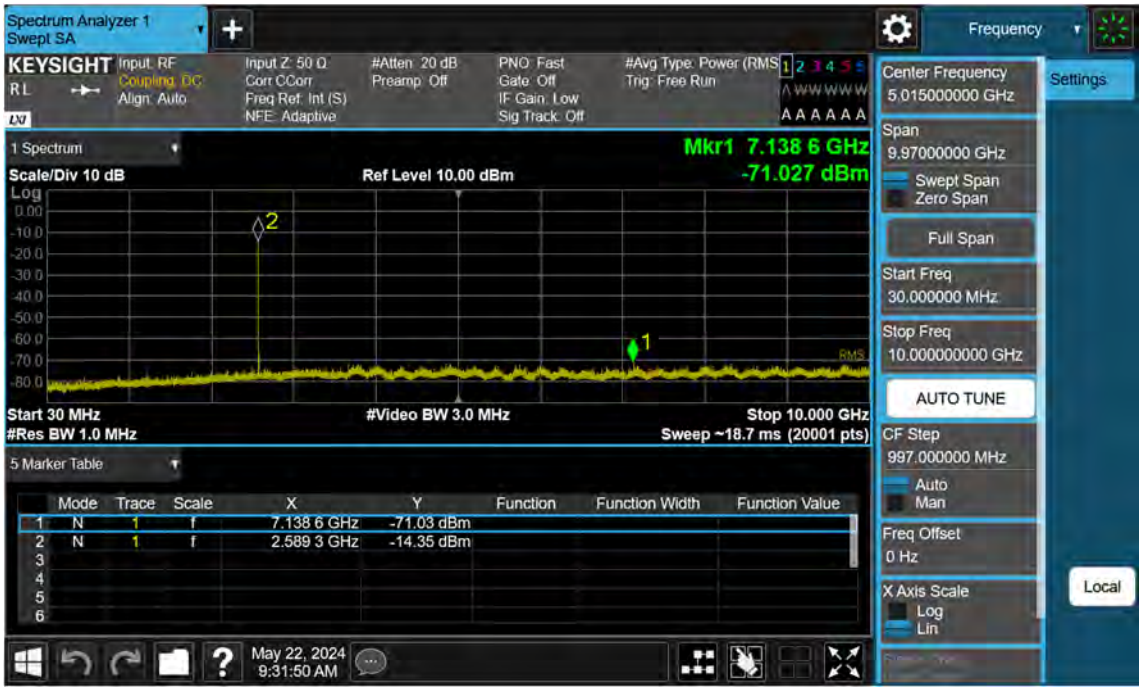
Sub6 n41_100 M_OBW_Mid_64QAM_FullRB

Sub6 n41_100 M_OBW_Mid_256QAM_FullRB

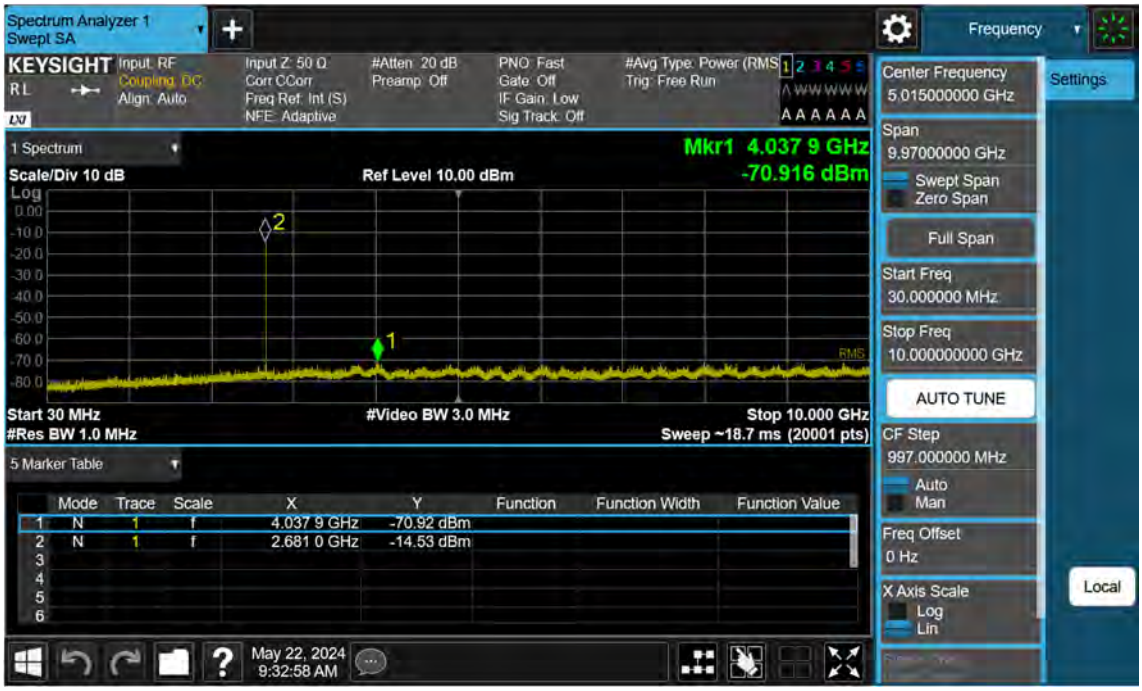
Sub6 n41_10 M_Conducted Spurious(30 M-10 G)_Low_BPSK_1RB



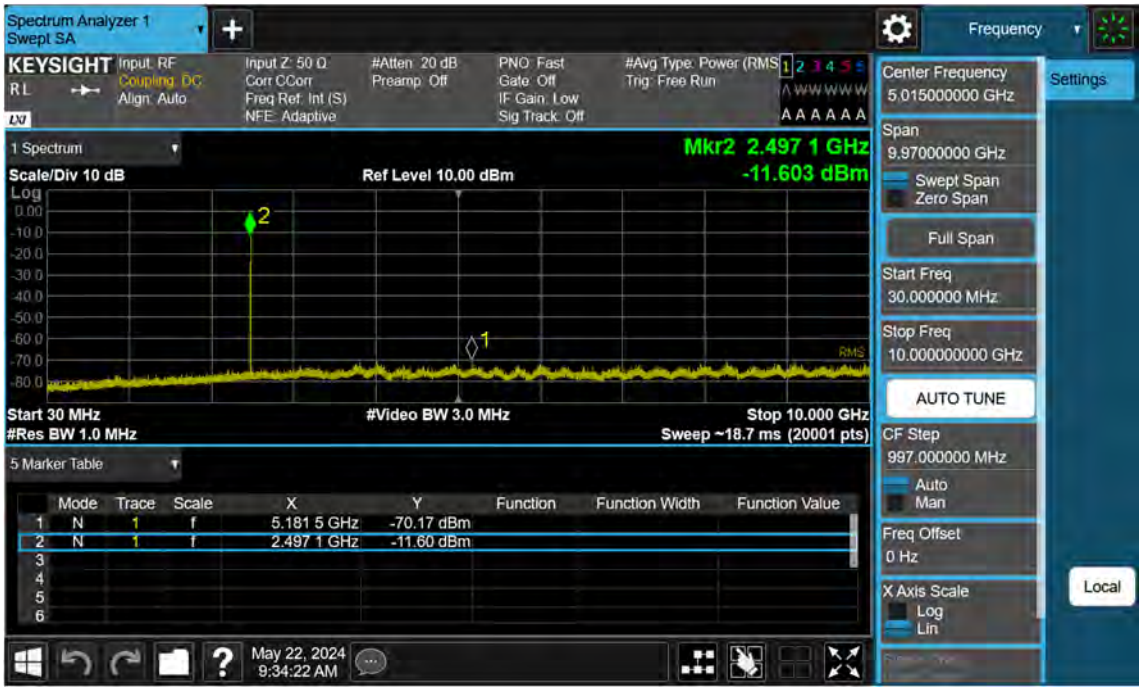
Sub6 n41_10 M_Conducted Spurious(30 M-10 G)_Mid_BPSK_FullRB



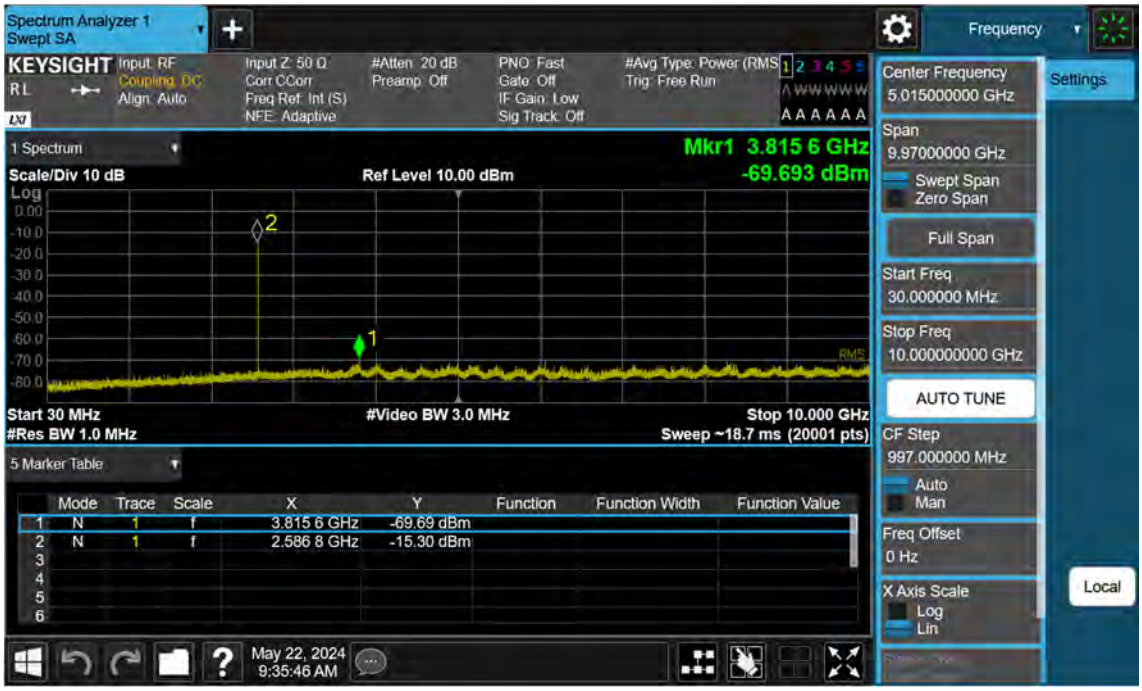
Sub6 n41_10 M_Conducted Spurious(30 M-10 G)_High_BPSK_1RB



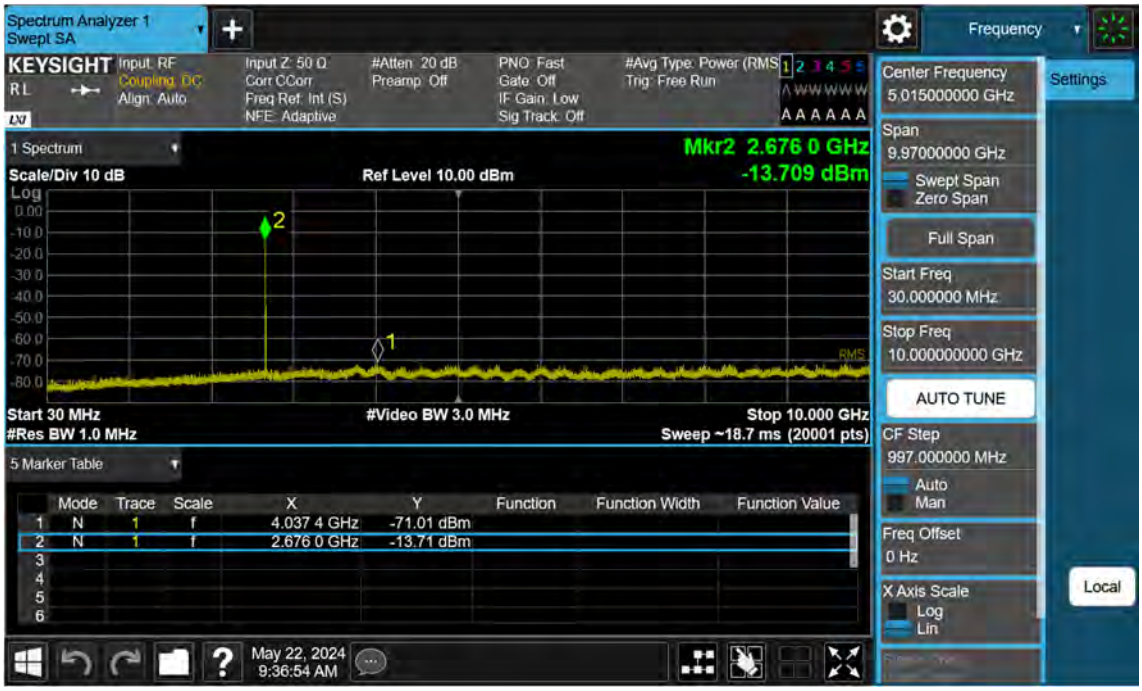
Sub6 n41_15 M_Conducted Spurious(30 M-10 G)_Low_BPSK_1RB



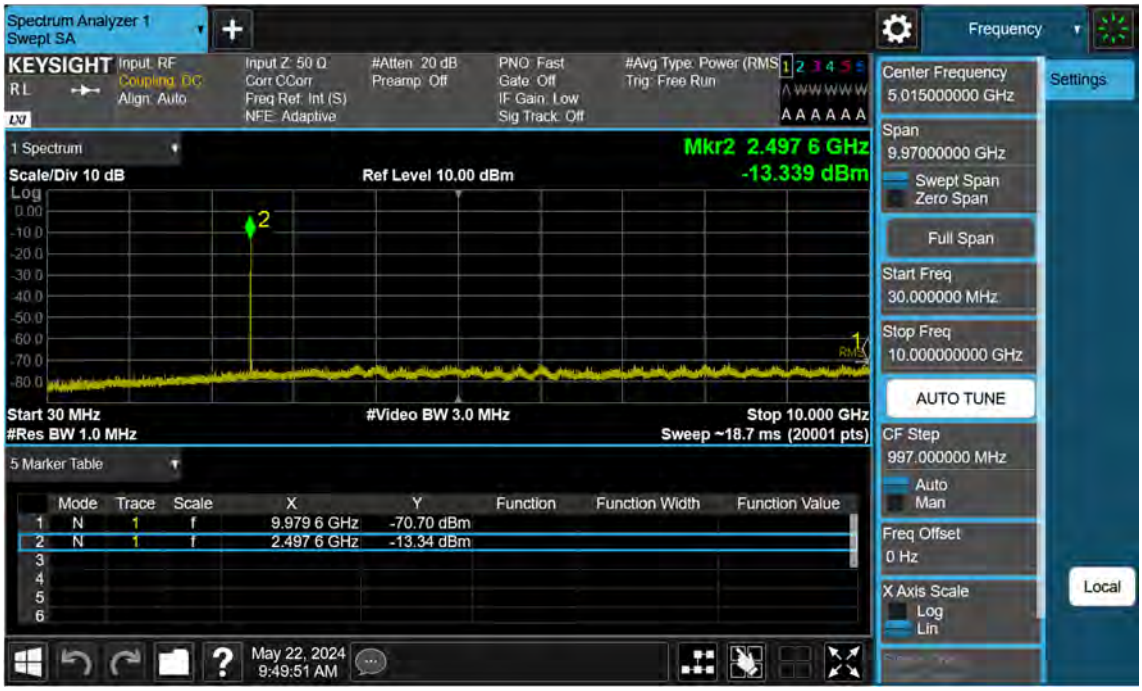
Sub6 n41_15 M_Conducted Spurious(30 M-10 G)_Mid_BPSK_FullRB



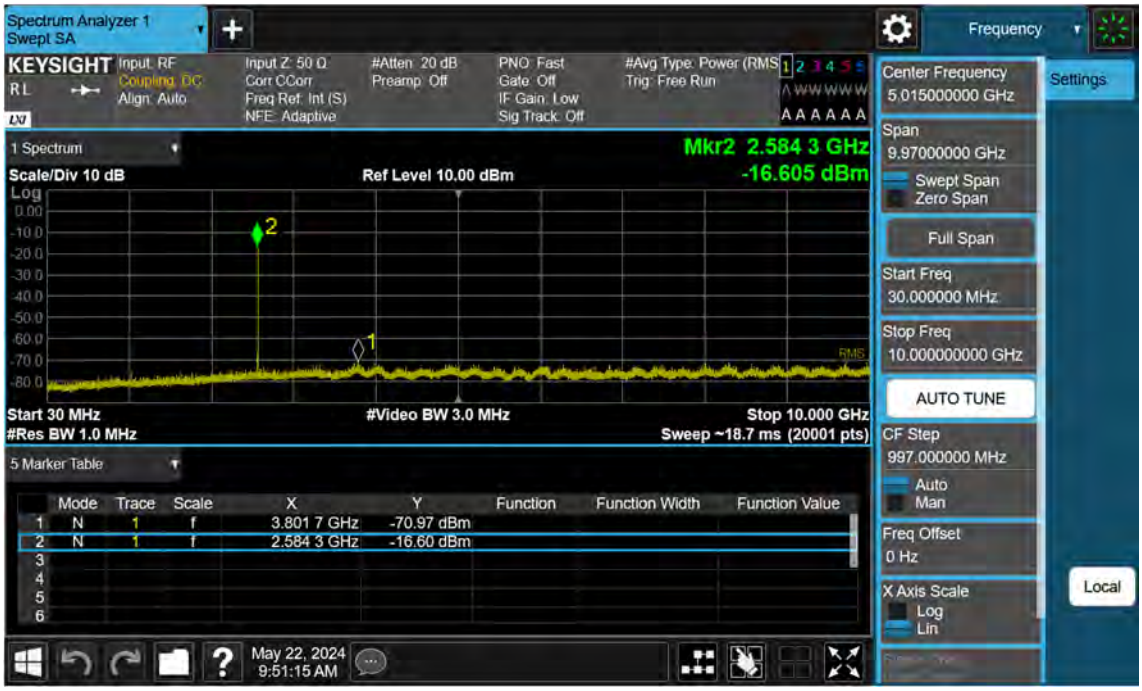
Sub6 n41_15 M_Conducted Spurious(30 M-10 G)_High_BPSK_1RB



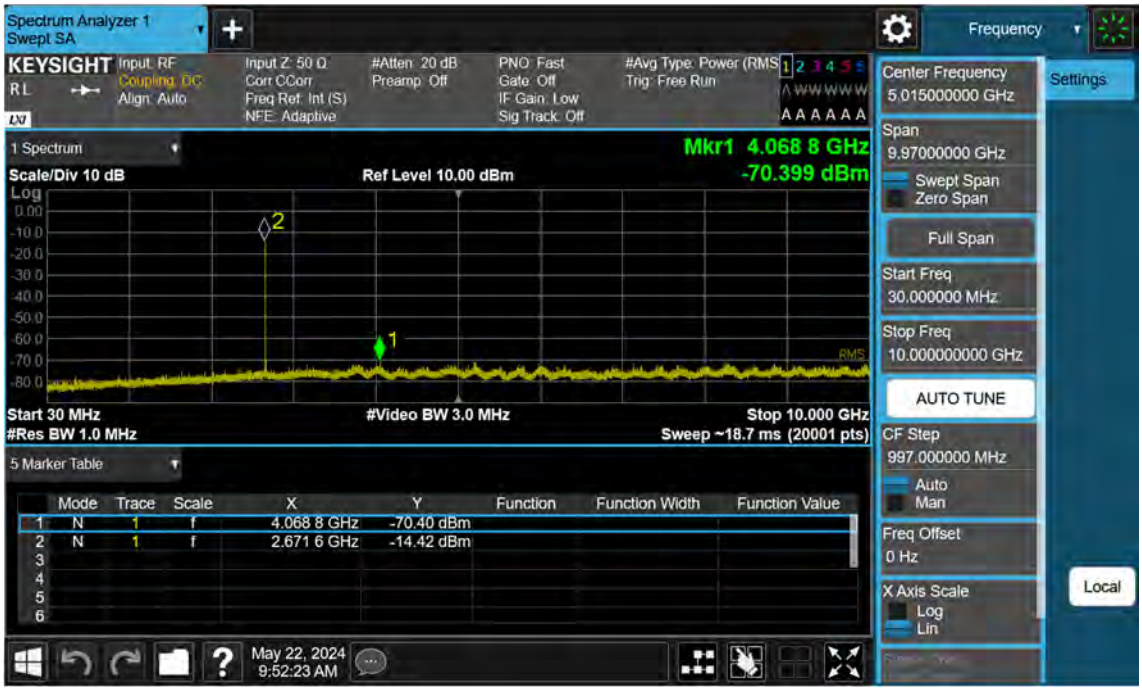
Sub6 n41_20 M_Conducted Spurious(30 M-10 G)_Low_BPSK_1RB



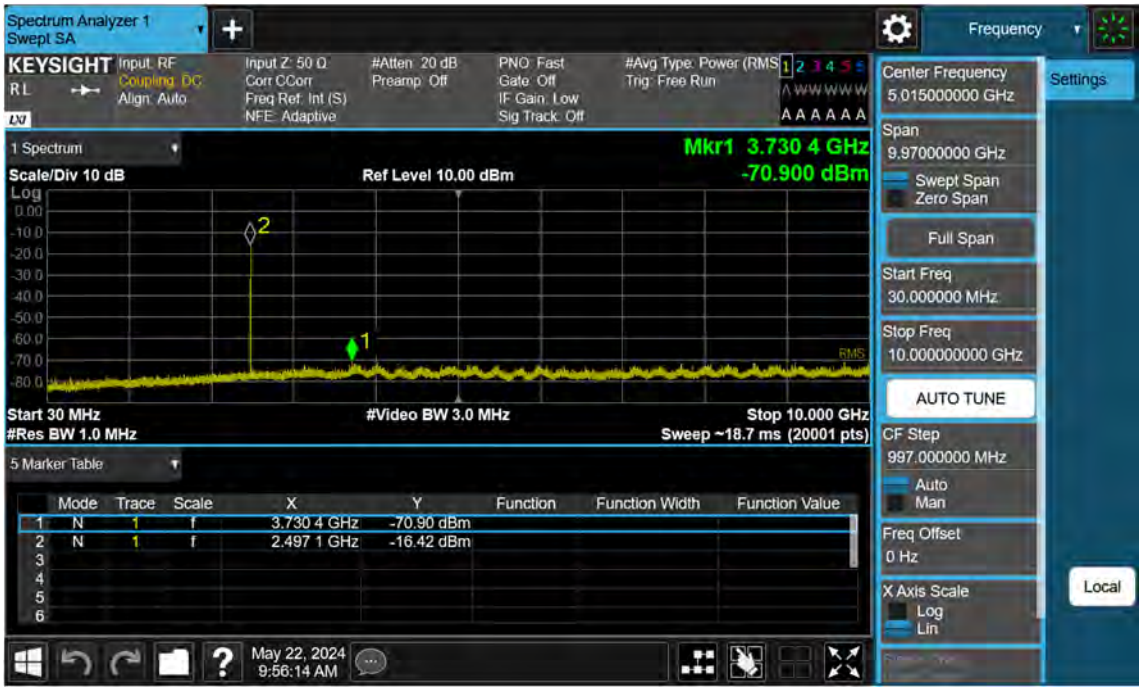
Sub6 n41_20 M_Conducted Spurious(30 M-10 G)_Mid_BPSK_FullRB



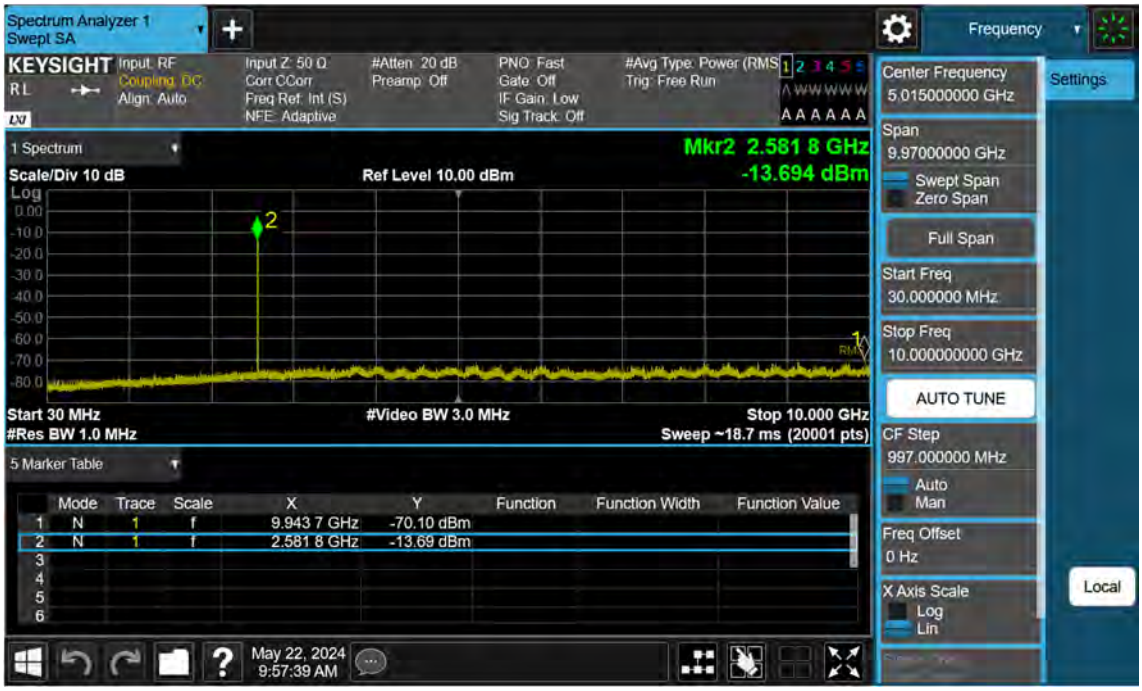
Sub6 n41_20 M_Conducted Spurious(30 M-10 G)_High_BPSK_1RB



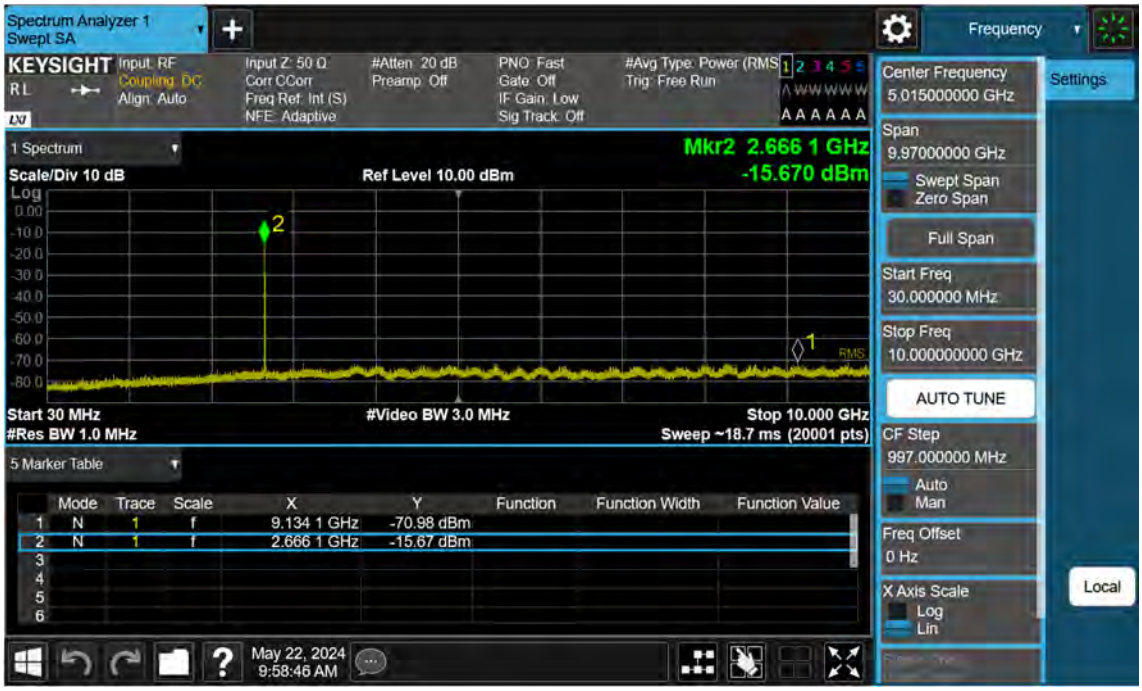
Sub6 n41_25 M_Conducted Spurious(30 M-10 G)_Low_BPSK_1RB



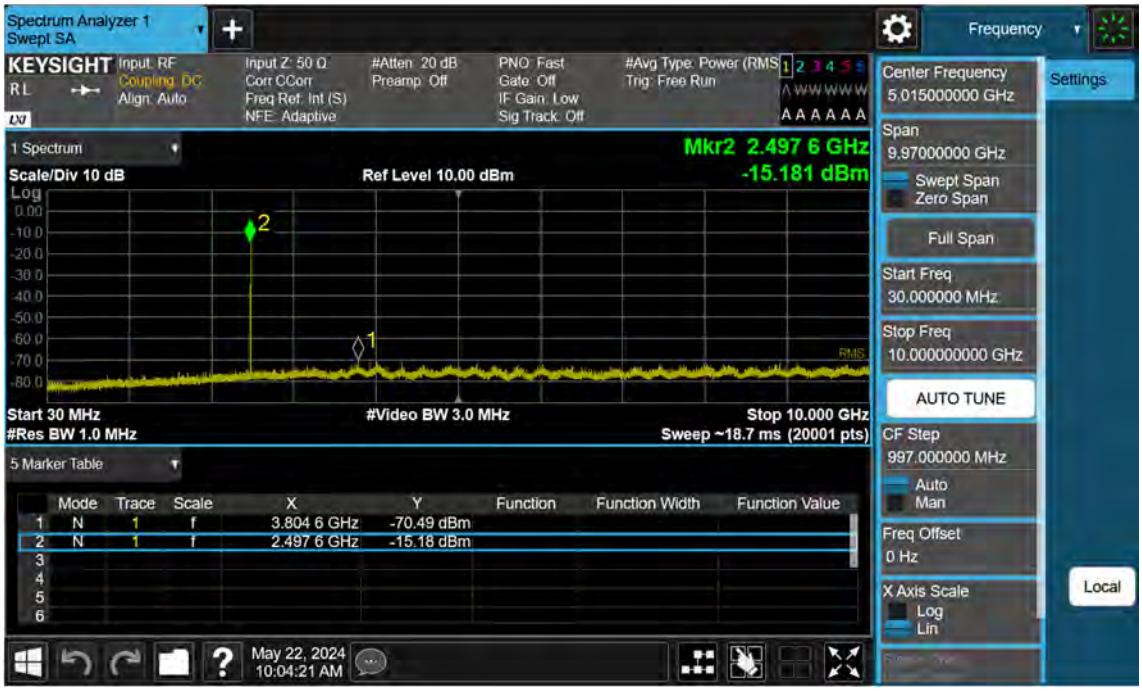
Sub6 n41_25 M_Conducted Spurious(30 M-10 G)_Mid_BPSK_FullRB



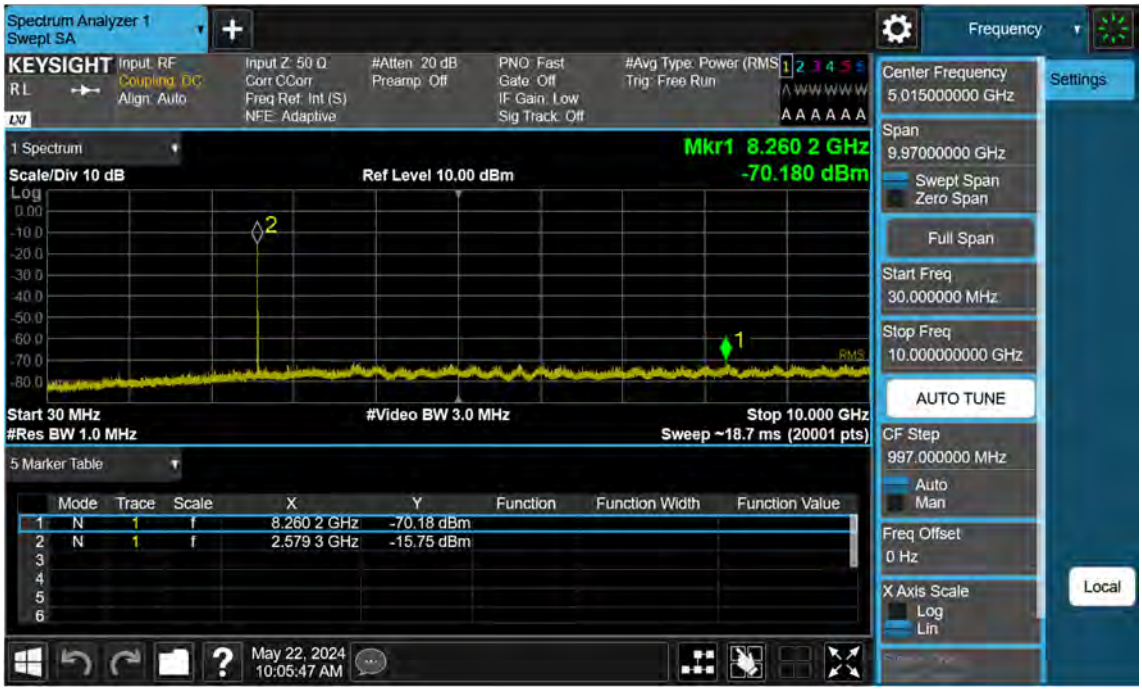
Sub6 n41_25 M_Conducted Spurious(30 M-10 G)_High_BPSK_1RB



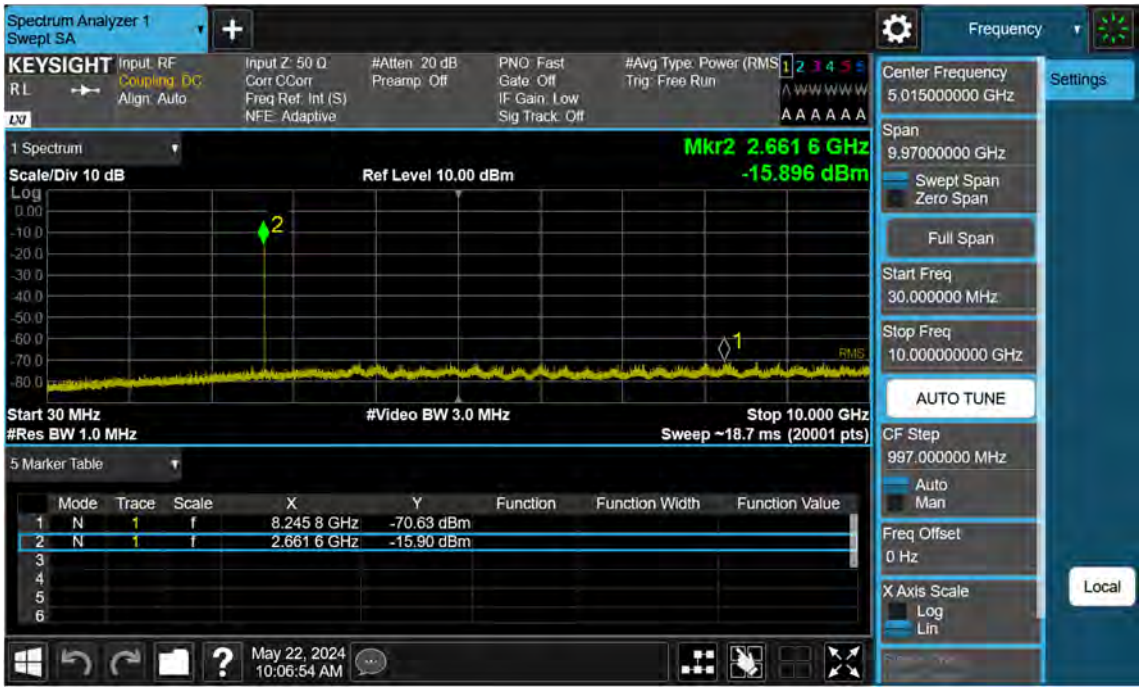
Sub6 n41_30 M_Conducted Spurious(30 M-10 G)_Low_BPSK_1RB



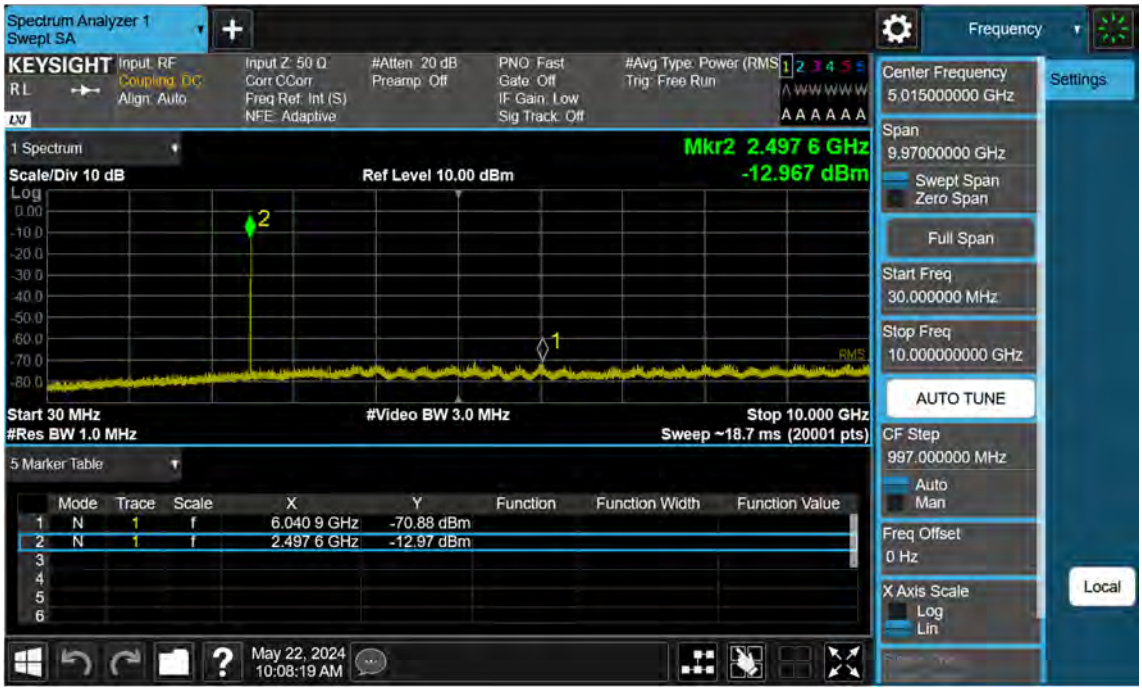
Sub6 n41_30 M_Conducted Spurious(30 M-10 G)_Mid_BPSK_FullRB



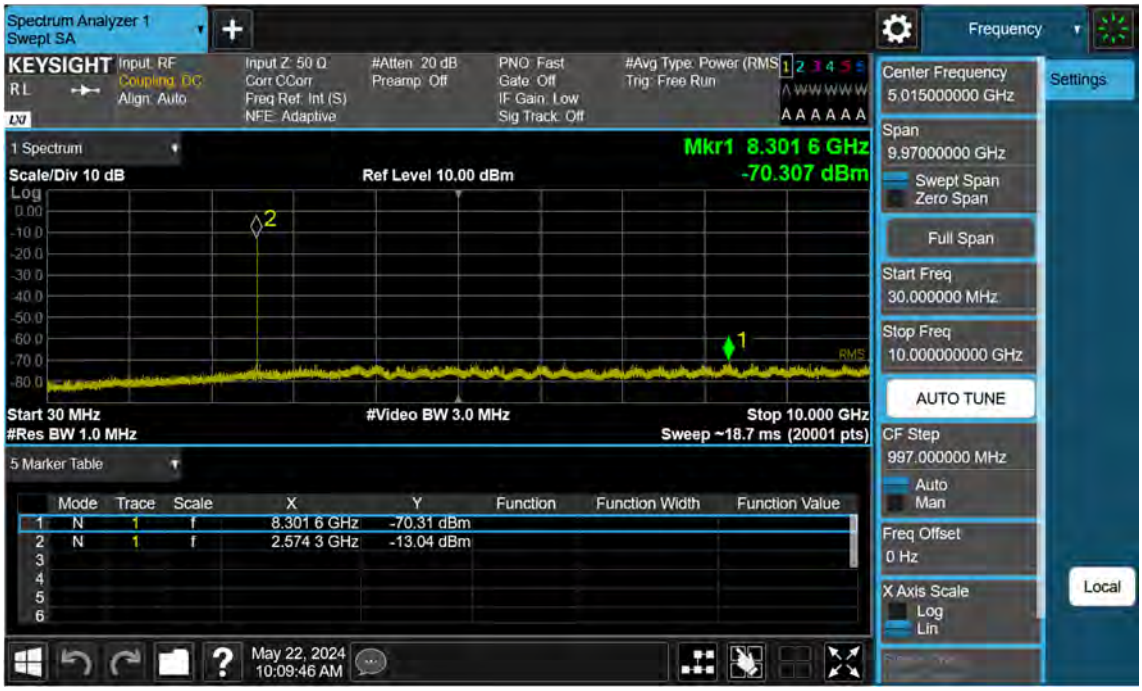
Sub6 n41_30 M_Conducted Spurious(30 M-10 G)_High_BPSK_1RB



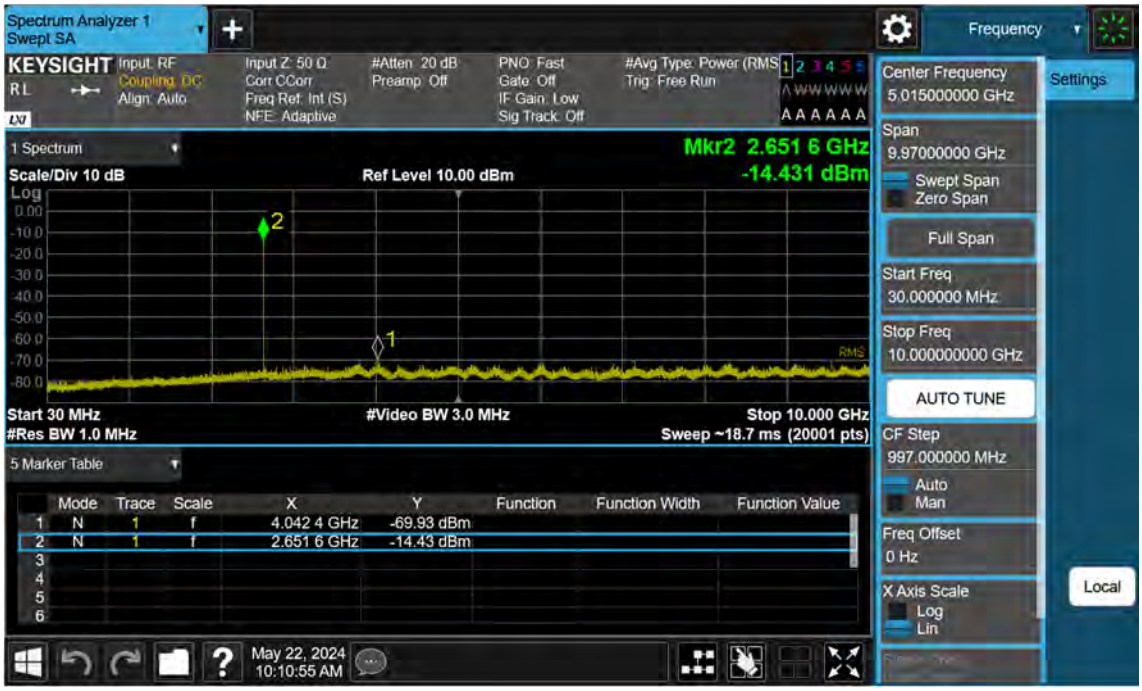
Sub6 n41_40 M_Conducted Spurious(30 M-10 G)_Low_BPSK_1RB



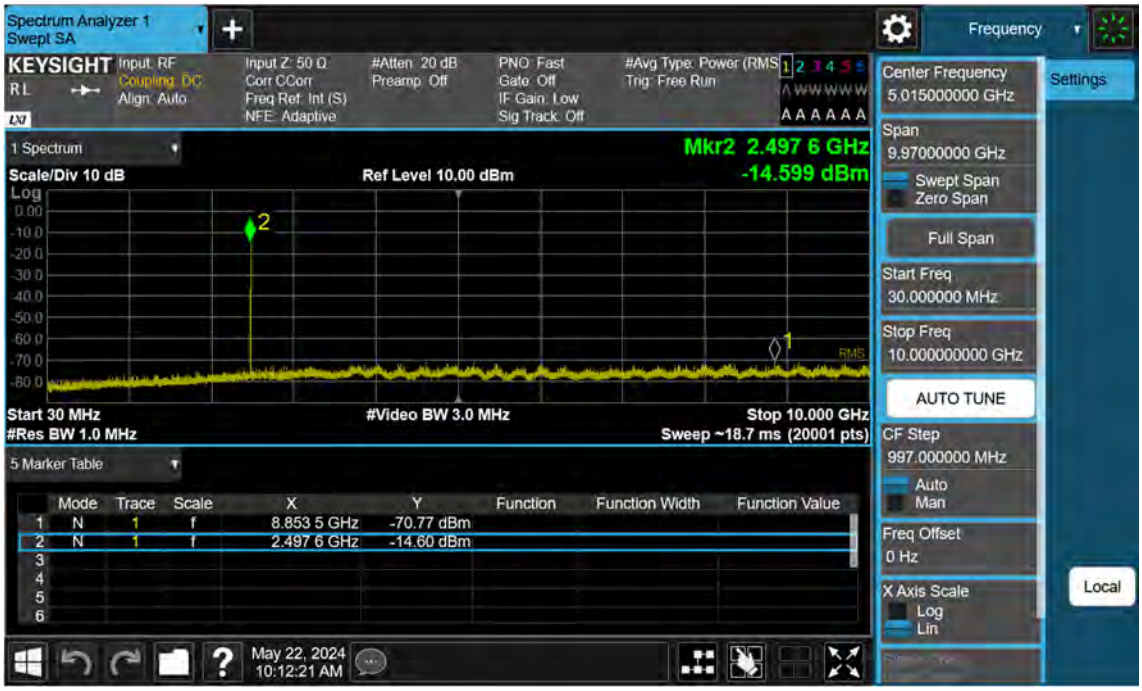
Sub6 n41_40 M_Conducted Spurious(30 M-10 G)_Mid_BPSK_FullRB



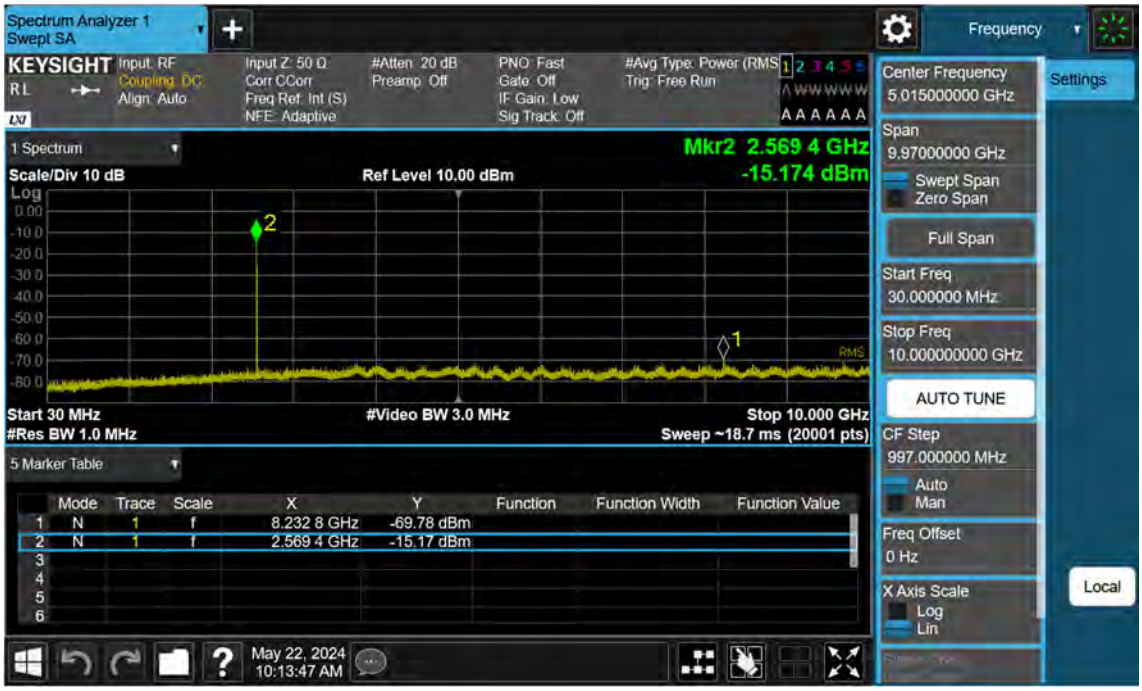
Sub6 n41_40 M_Conducted Spurious(30 M-10 G)_High_BPSK_1RB



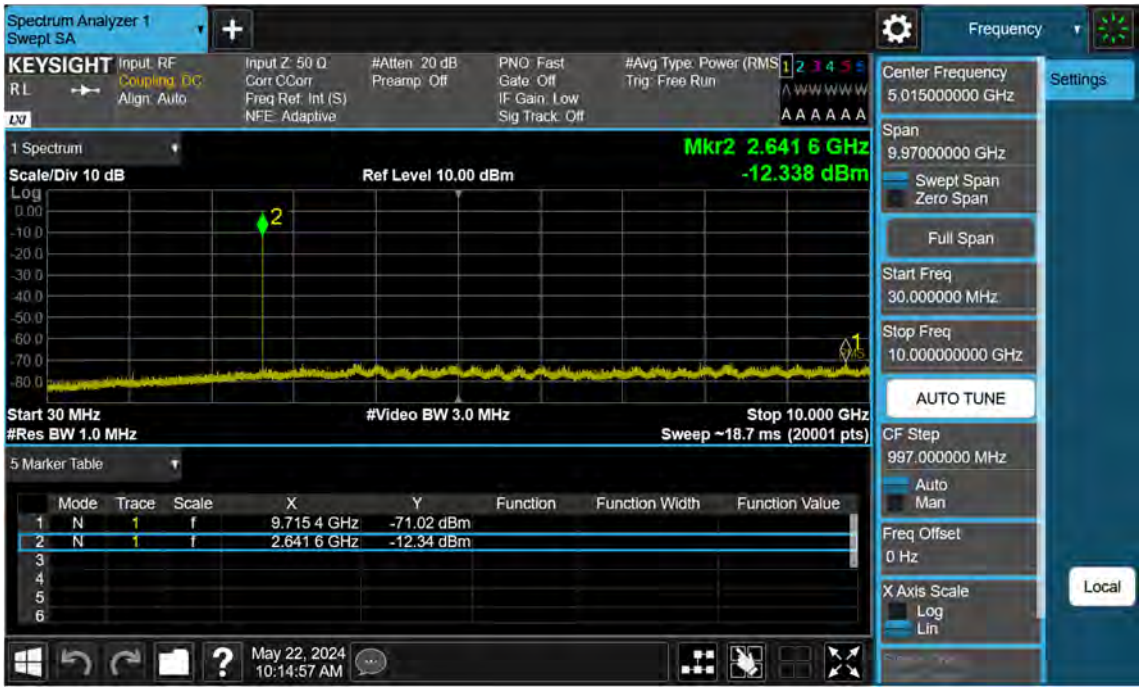
Sub6 n41_50 M_Conducted Spurious(30 M-10 G)_Low_BPSK_1RB



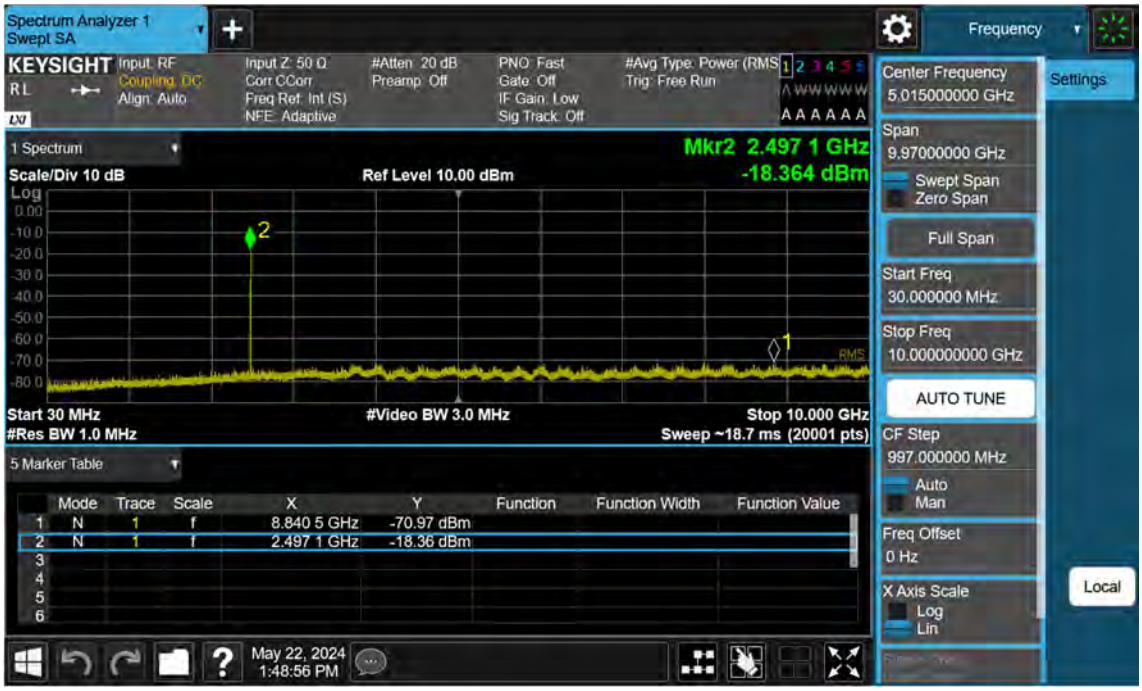
Sub6 n41_50 M_Conducted Spurious(30 M-10 G)_Mid_BPSK_FullRB



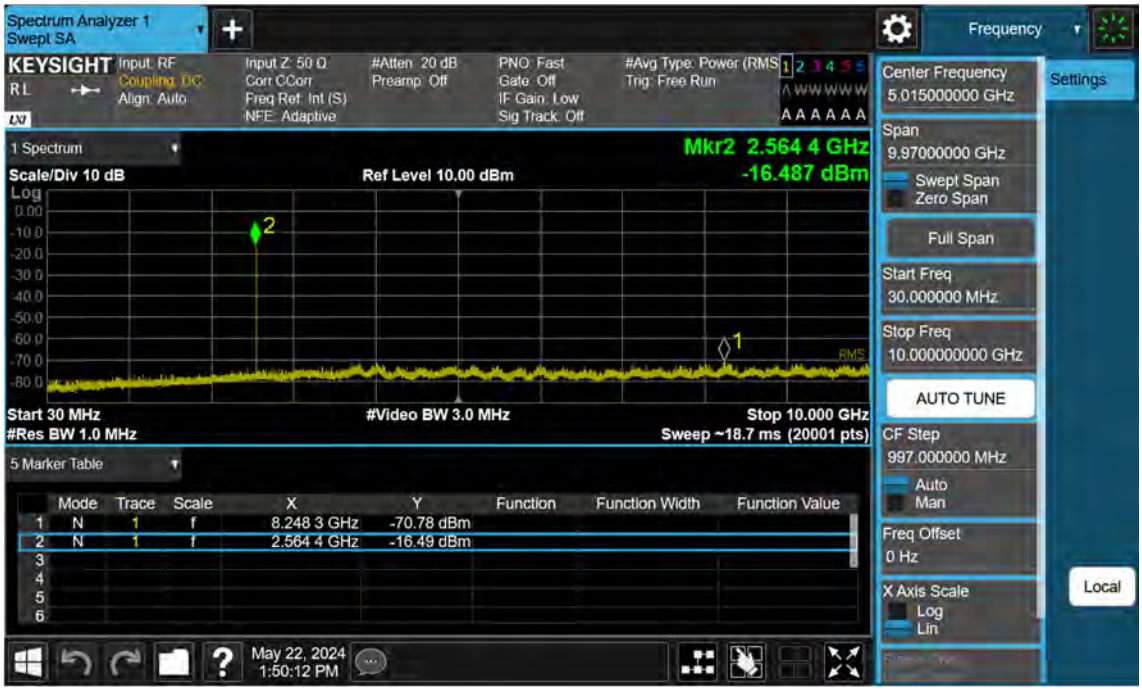
Sub6 n41_50 M_Conducted Spurious(30 M-10 G)_High_BPSK_1RB



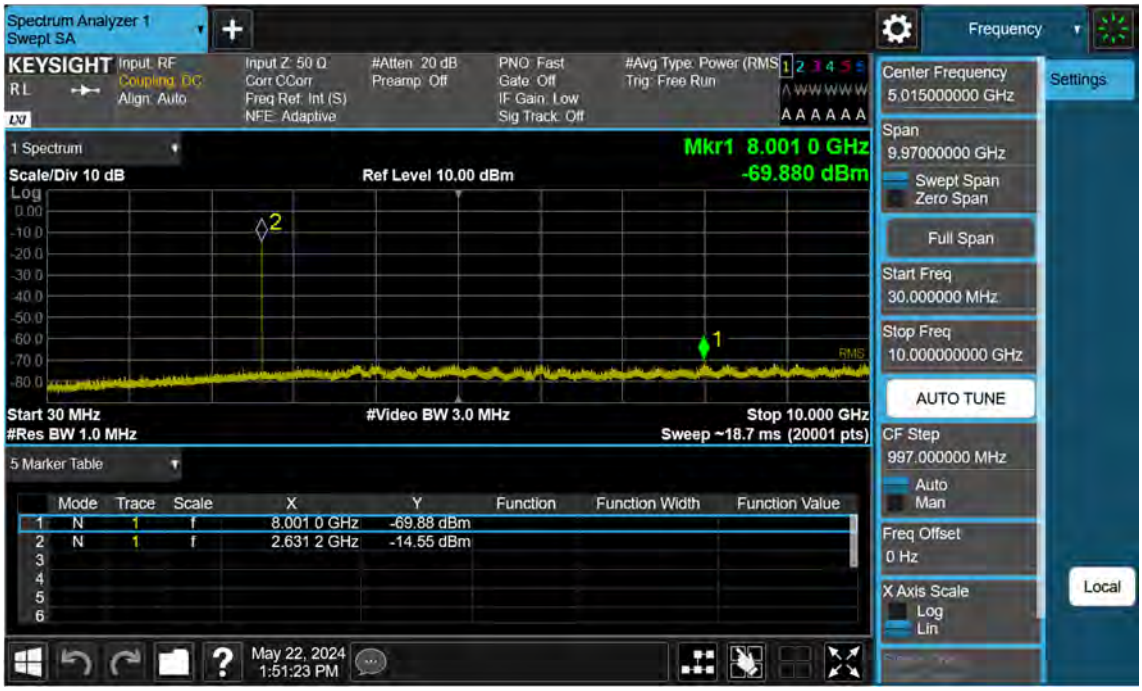
Sub6 n41_60 M_Conducted Spurious(30 M-10 G)_Low_BPSK_1RB



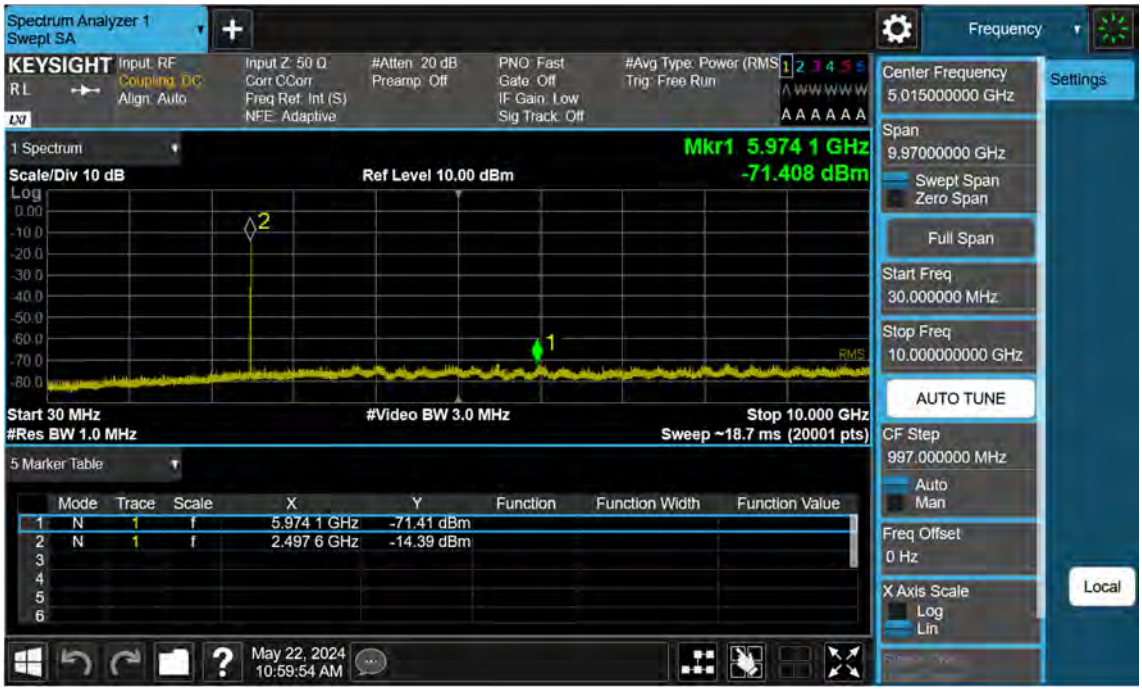
Sub6 n41_60 M_Conducted Spurious(30 M-10 G)_Mid_BPSK_FullRB



Sub6 n41_60 M_Conducted Spurious(30 M-10 G)_High_BPSK_1RB



Sub6 n41_70 M_Conducted Spurious(30 M-10 G)_Low_BPSK_1RB



Sub6 n41_70 M_Conducted Spurious(30 M-10 G)_Mid_BPSK_FullRB