

TEST REPORT

FCC Sub6 Test for SM-S731U
Certification

APPLICANT
SAMSUNG Electronics Co., Ltd.

REPORT NO.
HCT-RF-2507-FC036

DATE OF ISSUE
July 14, 2025

Tested by
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TEST REPORT

REPORT NO.

HCT-RF-2507-FC036

DATE OF ISSUE

July 14, 2025

Additional Model

SM-S731U1

Applicant

SAMSUNG Electronics Co., Ltd.

129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea

Product Name

Mobile Phone

Model Name

SM-S731U

Date of Test

May 13, 2025 ~ July 10, 2025

FCC ID

A3LSMS731U

Location of Test

☒ Permanent Testing Lab ☐ On Site Testing

(Address: 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, Republic of Korea)

FCC Classification:

PCS Licensed Transmitter Held to Ear (PCE)

Test Standard Used

FCC Rule Part: § 27

Test Results

PASS

REVISION HISTORY

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

Revision No.	Date of Issue	Description
0	July 14, 2025	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 Bs 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).

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MEASUREMENT REPORT

1. GENERAL INFORMATION

Model(s):	SM-S731U
Additional Model(s)	SM-S731U1
SCS(kHz):	30
Bandwidth(MHz):	Sub6 n41 : 10, 15, 20, 25, 30, 40, 50, 60, 70, 80, 90, 100 Sub6 n38 : 10, 15, 20, 25, 30, 40
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(38)) 2503.500 – 2682.480 : 15 MHz(Sub6 n41(38)) 2506.020 – 2679.990 : 20 MHz(Sub6 n41(38)) 2508.510 – 2677.500 : 25 MHz(Sub6 n41(38)) 2511.000 – 2674.980 : 30 MHz(Sub6 n41(38)) 2516.010 – 2670.000 : 40 MHz(Sub6 n41(38)) 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)
Serial number:	Radiated : R3CY40DEG0B Conducted : R3CY50RANSE(Main 2 ANT), R3CY40XC6MR(Sub 2 ANT)
Antenna Information	Please refer to the Antenna Specification document.

1.1. MAXIMUM OUTPUT POWER

Main 2 ANT

Mode (MHz)	Tx Frequency (MHz)	Emission Designator	Modulation	EIRP	
				Max. Power (W)	Max. Power (dBm)
Sub6 n41(38) (10)	2501.010 – 2685.000	8M71G7D	PI/2 BPSK	0.294	24.68
		8M69G7D	QPSK	0.293	24.67
		8M66W7D	16QAM	0.241	23.82
		8M67W7D	64QAM	0.161	22.08
		8M65W7D	256QAM	0.104	20.17
Sub6 n41(38) (15)	2503.500 – 2682.480	13M0G7D	PI/2 BPSK	0.291	24.64
		13M0G7D	QPSK	0.286	24.56
		13M0W7D	16QAM	0.232	23.66
		13M0W7D	64QAM	0.163	22.12
		13M0W7D	256QAM	0.102	20.10
Sub6 n41(38) (20)	2506.020 – 2679.990	18M0G7D	PI/2 BPSK	0.292	24.66
		18M0G7D	QPSK	0.292	24.65
		18M0W7D	16QAM	0.232	23.65
		18M0W7D	64QAM	0.165	22.17
		17M9W7D	256QAM	0.106	20.25
Sub6 n41(38) (25)	2508.510 – 2677.500	23M1G7D	PI/2 BPSK	0.290	24.63
		23M0G7D	QPSK	0.287	24.58
		23M0W7D	16QAM	0.230	23.61
		23M1W7D	64QAM	0.160	22.04
		23M0W7D	256QAM	0.101	20.03
Sub6 n41(38) (30)	2511.000 – 2674.980	27M0G7D	PI/2 BPSK	0.299	24.76
		27M0G7D	QPSK	0.295	24.70
		27M0W7D	16QAM	0.232	23.65
		27M0W7D	64QAM	0.165	22.18
		27M0W7D	256QAM	0.105	20.22
Sub6 n41(38) (40)	2516.010 – 2670.000	36M0G7D	PI/2 BPSK	0.291	24.64
		35M9G7D	QPSK	0.289	24.61
		35M9W7D	16QAM	0.226	23.54
		35M9W7D	64QAM	0.159	22.01
		35M9W7D	256QAM	0.103	20.14
Sub6 n41 (50)	2521.020 – 2664.990	46M0G7D	PI/2 BPSK	0.288	24.60
		46M0G7D	QPSK	0.285	24.55
		45M9W7D	16QAM	0.223	23.49
		46M0W7D	64QAM	0.158	22.00
		46M0W7D	256QAM	0.101	20.04

Sub6 n41 (60)	2526.000 – 2659.980	58M5G7D	PI/2 BPSK	0.280	24.47
		58M4G7D	QPSK	0.278	24.44
		58M1W7D	16QAM	0.221	23.45
		58M3W7D	64QAM	0.158	21.98
		58M2W7D	256QAM	0.099	19.97
Sub6 n41 (70)	2531.010 – 2655.000	65M1G7D	PI/2 BPSK	0.279	24.46
		65M0G7D	QPSK	0.278	24.44
		65M1W7D	16QAM	0.215	23.32
		65M0W7D	64QAM	0.152	21.82
		65M2W7D	256QAM	0.099	19.96
Sub6 n41 (80)	2536.020 – 2649.990	77M6G7D	PI/2 BPSK	0.292	24.66
		77M7G7D	QPSK	0.290	24.62
		77M5W7D	16QAM	0.231	23.64
		77M6W7D	64QAM	0.160	22.04
		77M7W7D	256QAM	0.103	20.12
Sub6 n41 (90)	2541.000 – 2644.980	87M5G7D	PI/2 BPSK	0.312	24.94
		87M4G7D	QPSK	0.308	24.88
		87M5W7D	16QAM	0.247	23.92
		87M2W7D	64QAM	0.174	22.40
		87M5W7D	256QAM	0.110	20.40
Sub6 n41 (100)	2546.010 – 2640.000	97M1G7D	PI/2 BPSK	0.289	24.61
		97M0G7D	QPSK	0.288	24.59
		97M2W7D	16QAM	0.233	23.67
		96M6W7D	64QAM	0.161	22.08
		97M2W7D	256QAM	0.101	20.06

Sub 2 ANT

Mode (MHz)	Tx Frequency (MHz)	Emission Designator	Modulation	EIRP	
				Max. Power (W)	Max. Power (dBm)
Sub6 n41(38) (10)	2501.010 – 2685.000	8M69G7D	PI/2 BPSK	0.198	22.97
		8M67G7D	QPSK	0.192	22.84
		8M70W7D	16QAM	0.155	21.89
		8M71W7D	64QAM	0.109	20.38
		8M66W7D	256QAM	0.069	18.39
Sub6 n41(38) (15)	2503.500 – 2682.480	12M9G7D	PI/2 BPSK	0.198	22.96
		13M0G7D	QPSK	0.195	22.91
		13M0W7D	16QAM	0.156	21.93
		13M0W7D	64QAM	0.110	20.41
		13M0W7D	256QAM	0.067	18.26
Sub6 n41(38) (20)	2506.020 – 2679.990	18M0G7D	PI/2 BPSK	0.195	22.90
		18M0G7D	QPSK	0.191	22.80
		18M0W7D	16QAM	0.155	21.89
		18M0W7D	64QAM	0.110	20.41
		18M0W7D	256QAM	0.066	18.21
Sub6 n41(38) (25)	2508.510 – 2677.500	23M0G7D	PI/2 BPSK	0.196	22.92
		23M1G7D	QPSK	0.193	22.85
		23M0W7D	16QAM	0.155	21.89
		23M0W7D	64QAM	0.106	20.25
		23M0W7D	256QAM	0.070	18.48
Sub6 n41(38) (30)	2511.000 – 2674.980	27M0G7D	PI/2 BPSK	0.192	22.84
		27M0G7D	QPSK	0.187	22.72
		27M0W7D	16QAM	0.152	21.82
		27M0W7D	64QAM	0.109	20.36
		27M0W7D	256QAM	0.070	18.43
Sub6 n41(38) (40)	2516.010 – 2670.000	36M0G7D	PI/2 BPSK	0.195	22.91
		36M0G7D	QPSK	0.194	22.88
		36M0W7D	16QAM	0.149	21.74
		36M0W7D	64QAM	0.109	20.37
		35M9W7D	256QAM	0.070	18.43
Sub6 n41 (50)	2521.020 – 2664.990	46M1G7D	PI/2 BPSK	0.195	22.91
		46M0G7D	QPSK	0.193	22.86
		45M9W7D	16QAM	0.153	21.84
		46M0W7D	64QAM	0.108	20.33
		46M0W7D	256QAM	0.069	18.38

Sub6 n41 (60)	2526.000 – 2659.980	58M4G7D	PI/2 BPSK	0.199	22.99
		58M3G7D	QPSK	0.199	22.98
		58M3W7D	16QAM	0.155	21.91
		58M4W7D	64QAM	0.109	20.36
		58M3W7D	256QAM	0.072	18.55
Sub6 n41 (70)	2531.010 – 2655.000	65M0G7D	PI/2 BPSK	0.199	22.99
		64M9G7D	QPSK	0.197	22.95
		64M8W7D	16QAM	0.162	22.10
		64M8W7D	64QAM	0.112	20.50
		65M0W7D	256QAM	0.069	18.40
Sub6 n41 (80)	2536.020 – 2649.990	77M8G7D	PI/2 BPSK	0.201	23.03
		77M6G7D	QPSK	0.198	22.97
		77M8W7D	16QAM	0.157	21.96
		77M8W7D	64QAM	0.112	20.48
		77M6W7D	256QAM	0.073	18.61
Sub6 n41 (90)	2541.000 – 2644.980	87M5G7D	PI/2 BPSK	0.198	22.97
		87M3G7D	QPSK	0.197	22.95
		87M4W7D	16QAM	0.154	21.87
		87M6W7D	64QAM	0.113	20.54
		87M3W7D	256QAM	0.071	18.53
Sub6 n41 (100)	2546.010 – 2640.000	97M1G7D	PI/2 BPSK	0.216	23.35
		97M2G7D	QPSK	0.215	23.33
		97M3W7D	16QAM	0.173	22.38
		97M0W7D	64QAM	0.119	20.74
		97M3W7D	256QAM	0.076	18.79

2. INTRODUCTION

2.1. DESCRIPTION OF EUT

Please refer to the [2G3G] Test Report.

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, Republic 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
Frequency stability	- ANSI C63.26-2015 – Section 5.6
Radiated Power	- ANSI C63.26-2015 – Section 5.2.4.4 - KDB 971168 D01 v03r01 – Section 5.8
Radiated Spurious and Harmonic Emissions	- ANSI C63.26-2015 – Section 5.5.3 - KDB 971168 D01 v03r01 – Section 5.8

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.

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 $\geq$ 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;

$$P_d \text{ (dBm)} = P_g \text{ (dBm)} - \text{cable loss (dB)} + \text{antenna gain (dB)}$$

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.

Test Settings

1. RBW = 100 kHz for emissions below 1 GHz and 1 MHz for emissions above 1 GHz
2. VBW $\geq$ 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 10th 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;

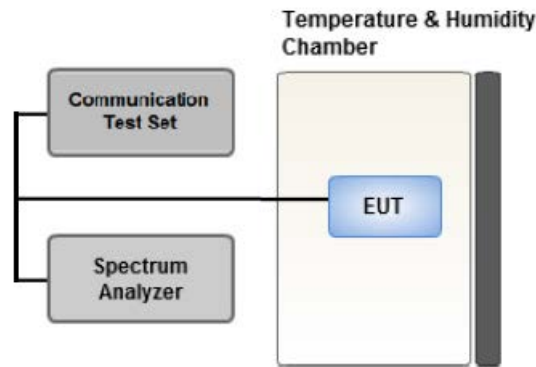
$$\text{Result}_{(\text{dBm})} = P_g_{(\text{dBm})} - \text{cable loss}_{(\text{dB})} + \text{antenna gain}_{(\text{dBi})}$$

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.

$$\text{EIRP}_{(\text{dBm})} = \text{ERP}_{(\text{dBm})} + 2.15$$

3.4 PEAK- TO- AVERAGE RATIO



Test setup

① CCDF Procedure for PAPR

Test Settings

1. Set resolution/measurement bandwidth $\geq$ 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:

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

Test Settings(Peak Power)

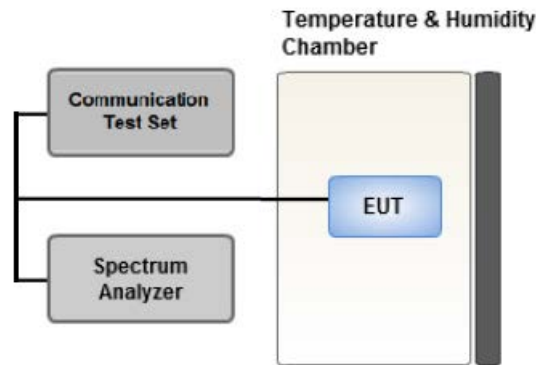
The measurement instrument must have a RBW that is greater than or equal to the OBW of the signal to be measured and a VBW $\geq 3 \times$ RBW.

1. Set the RBW $\geq$ OBW.
2. Set VBW $\geq 3 \times$ RBW.
3. Set span $\geq 2 \times$ OBW.
4. Sweep time $\geq 10 \times$ (number of points in sweep) $\times$ (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 $2 \times$ to $3 \times$ the OBW.
2. Set RBW $\geq$ OBW.
3. Set VBW $\geq 3 \times$ RBW.
4. Set number of measurement points in sweep $\geq 2 \times$ span / RBW.
5. Sweep time:
Set $\geq [10 \times (\text{number of points in sweep}) \times (\text{transmission period})]$ 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 $[10 \log (1/\text{duty cycle})]$ to the measured maximum power level to compute the average power during continuous transmission. For example, add $[10 \log (1/0.25)] = 6 \text{ dB}$ 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.

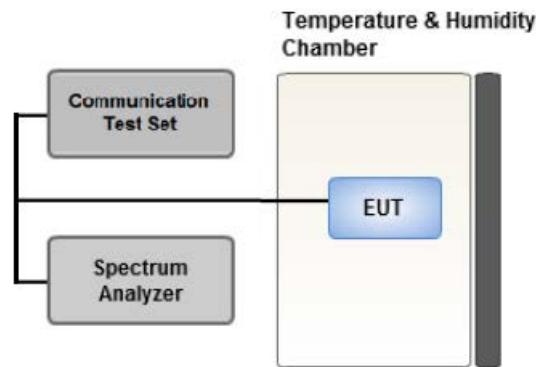
The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.

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 $\geq 3 \times$ 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

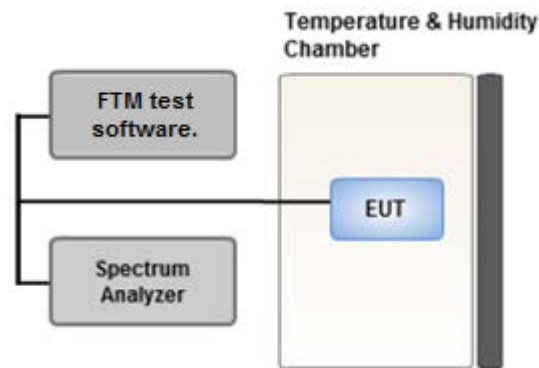
Test Overview

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 $\geq$ 3 MHz
3. Detector = Peak
4. Trace Mode = Max Hold
5. Sweep time = auto
6. Number of points in sweep $\geq$ 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

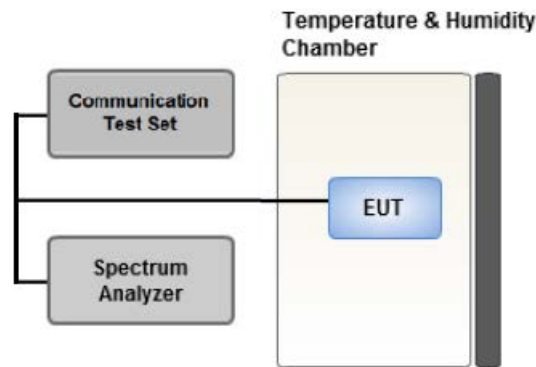
1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. Within 1 MHz of the channel edge the RBW should be 2 % of EBW, then 1 MHz after that.
4. VBW > 3 x RBW
5. Detector = RMS
6. Number of sweep points $\geq 2 \times \text{Span/RBW}$
7. Trace mode = trace average
8. Sweep Time > (Number of Points) (Symbol Period)
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 than $43 + 10 \log (P)$ 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 $10 \log(1 \text{ MHz}/ \text{RB})$ 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.
- All modes of operation were investigated and the worst case configuration results are reported.
Mode: NSA, SA, SRS
Worst case: SA
Mode : Stand alone, Stand alone + External accessories (Earphone, AC adapter, etc)
Worst case : Stand alone
- All power classes were tested, and the results were reported for the worst case PC2.
- All simultaneous transmission scenarios of operation were investigated, and the test results showed no additional significant emissions relative to the least restrictive limit were observed.
Therefore, only the worst case(stand-alone) results were reported.
- 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.
- Sub6 n41 (2 496 – 2 690 MHz, 10/15/20/25/30/40/50/60/70/80/90/100 MHz bandwidth) overlaps the entire frequency range of Sub6 n38 (2 570 - 2 620 MHz, 10/15/20/25/30/40 MHz bandwidth).
Therefore, test data provided in this report covers Sub6 n41 as well as Sub6 n38.
- SM-S731U & additional models were tested and the worst case results are reported.
(Worst case : SM-S731U)

[Main 2 ANT Worst case]

Test Description	Modulation	RB size	RB offset	Axis
Equivalent 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		Y

[Sub 2 ANT Worst case]

Test Description	Modulation	RB size	RB offset	Axis
Equivalent Isotropic Radiated Power	PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM	See Section 9.1		Y,Z
Radiated Spurious and Harmonic Emissions	PI/2 BPSK	See Section 9.2		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: NSA, SA, SRS
Worst case: SA
- All power classes were tested, and the results were reported for the worst case PC2.
- All RB sizes, offsets of operation were investigated and the worst case configuration results are reported.
Please refer to the table below.
- Sub6 n41 (2 496 – 2 690 MHz, 10/15/20/25/30/40/50/60/70/80/90/100 MHz bandwidth) overlaps the entire frequency range of Sub6 n38 (2 570 - 2 620 MHz, 10/15/20/25/30/40 MHz bandwidth).
Therefore, test data provided in this report covers Sub6 n41 as well as Sub6 n38.
- SM-S731U & additional models were tested and the worst case results are reported.
(Worst case : SM-S731U)

[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, 70, 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, 70, 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, 70, 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	04/17/2026	Biennial
Horn Antenna(15~40 GHz)	BBHA 9170	Schwarzbeck	BBHA9170342	09/20/2026	Biennial
Horn Antenna(15~40 GHz)	BBHA 9170	Schwarzbeck	BBHA9170124	03/23/2027	Biennial
Loop Antenna(9 kHz~30 MHz)	FMZB1513	Rohde & Schwarz	1513-175	01/06/2027	Biennial
Bilog Antenna	VULB9160	Schwarzbeck	3150	03/05/2027	Biennial
Hybrid Antenna	VULB9160	Schwarzbeck	760	02/17/2027	Biennial
RF Switching System	FBSR-06B (1G HPF + LNA)	T&M SYSTEM	F3L1	05/08/2026	Annual
RF Switching System	FBSR-06B (3G HPF + LNA)	T&M SYSTEM	F3L2	05/08/2026	Annual
RF Switching System	FBSR-06B (6G HPF + LNA)	T&M SYSTEM	F3L3	05/08/2026	Annual
RF Switching System	FBSR-06B (LNA)	T&M SYSTEM	F3L4	05/08/2026	Annual
Power Amplifier	CBL18265035	CERNEX	22966	11/07/2025	Annual
Power Amplifier	CBL26405040	CERNEX	25956	02/19/2026	Annual
DC Power Supply	E3632A	Hewlett Packard	MY40004427	08/22/2025	Annual
Power Splitter(DC~26.5 GHz)	11667B	Hewlett Packard	11275	02/04/2026	Annual
Chamber	SU-642	ESPEC	93008124	02/11/2026	Annual
Signal Analyzer(10 Hz~26.5 GHz)	N9020A	Agilent	MY51110063	03/21/2026	Annual
ATTENUATOR(20 dB)	8493C	Hewlett Packard	17280	04/10/2026	Annual
Spectrum Analyzer (10 Hz~40 GHz)	FSV40	REOHDE & SCHWARZ	101436	02/04/2026	Annual
Signal & Spectrum Analyzer (2 Hz~67 GHz)	FSW67	REOHDE & SCHWARZ	101736	05/27/2026	Annual
Base Station	8960 (E5515C)	Agilent	MY48360800	08/05/2025	Annual
Wideband Radio Communication Tester	MT8821C	Anritsu Corp.	6262287701	05/14/2026	Annual
Wideband Radio Communication Tester	MT8000A	Anritsu Corp.	6262302511	05/08/2026	Annual
Signal Analyzer(5 Hz~40.0 GHz)	N9030B	KEYSIGHT	MY55480167	05/14/2026	Annual
4-Way Divider	ZC4PD-K1844+	Mini-Circuits	942907	09/10/2025	Annual
SIGNAL GENERATOR (100 kHz ~ 40 GHz)	SMB100A	REOHDE & SCHWARZ	177633	07/26/2025	Annual
Automation Software	FCC 2G/3G/4G Conducted	HCT CO., LTD	-	-	-
Automation Software	FCC NR Conducted	HCT CO., LTD	-	-	-
Automation Software	FCC LTE Radiated	HCT CO., LTD	-	-	-
Automation Software	FCC NR Radiated	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 ($\pm$ kHz)
Occupied Bandwidth	95 (Confidence level about 95 %, $k=2$)
Frequency stability	28 (Confidence level about 95 %, $k=2$)

Parameter	Expanded Uncertainty ($\pm$ dB)
Block Edge	0.70 (Confidence level about 95 %, $k=2$)
Conducted Spurious Emissions	1.18 (Confidence level about 95 %, $k=2$)
Peak- to- Average Ratio	0.68 (Confidence level about 95 %, $k=2$)
Radiated Power	4.74 (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)	5.68 (Confidence level about 95 %, $k=2$)
Radiated Disturbance (1 GHz ~ 18 GHz)	5.75 (Confidence level about 95 %, $k=2$)
Radiated Disturbance (18 GHz ~ 40 GHz)	5.82 (Confidence level about 95 %, $k=2$)
Radiated Disturbance (Above 40 GHz)	5.58 (Confidence level about 95 %, $k=2$)

6. SUMMARY OF TEST RESULTS

-. The decision rule applies 'simple acceptance'

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)	■ $< 40 + 10\log_{10} (P[\text{Watts}])$ at Channel edges ■ $< 43 + 10\log_{10} (P[\text{Watts}])$ between 5 and X MHz from Channel edges ■ $< 55 + 10\log_{10} (P[\text{Watts}])$ 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	<u>See Note1</u>
Frequency stability / variation of ambient temperature	§ 2.1055, § 27.54	Emission must remain in band	PASS

Note:

1. Refer to the 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)	$< 55 + 10\log_{10} (P[\text{Watts}])$	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

$$\text{ERP} = \text{Substitute LEVEL(dBm)} + \text{Ant. Gain} - \text{CL(Cable Loss)}$$

- 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

$$\text{EIRP} = \text{Substitute LEVEL(dBm)} + \text{Ant. Gain} - \text{CL(Cable Loss)}$$

- 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(Main 2 ANT)

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(38) / 10 MHz [30 kHz]	PI/2 BPSK	-20.59	16.21	10.61	2.50	H	< 2.00	0.270	24.32	1	12
		QPSK	-20.60	16.20	10.61	2.50	H		0.270	24.31		
		16-QAM	-21.74	15.06	10.61	2.50	H		0.207	23.17		
		64-QAM	-23.15	13.65	10.61	2.50	H		0.150	21.76		
		256-QAM	-25.13	11.67	10.61	2.50	H		0.095	19.78		
2505.000		PI/2 BPSK	-20.25	16.61	10.58	2.51	H		0.294	24.68	1	22
		QPSK	-20.26	16.60	10.58	2.51	H		0.293	24.67		
		16-QAM	-21.11	15.75	10.58	2.51	H		0.241	23.82		
		64-QAM	-22.85	14.01	10.58	2.51	H		0.161	22.08		
		256-QAM	-24.76	12.10	10.58	2.51	H		0.104	20.17		
2592.990		PI/2 BPSK	-21.18	15.53	11.00	2.55	H		0.250	23.98	1	1
		QPSK	-21.19	15.52	11.00	2.55	H		0.249	23.97		
		16-QAM	-22.01	14.70	11.00	2.55	H		0.207	23.15		
		64-QAM	-23.72	12.99	11.00	2.55	H		0.139	21.44		
		256-QAM	-25.81	10.90	11.00	2.55	H		0.086	19.35		
2685.000		PI/2 BPSK	-22.68	14.88	10.82	2.61	H		0.204	23.09	1	12
		QPSK	-22.81	14.75	10.82	2.61	H		0.198	22.96		
		16-QAM	-23.76	13.80	10.82	2.61	H		0.159	22.01		
		64-QAM	-25.27	12.29	10.82	2.61	H		0.112	20.50		
		256-QAM	-27.25	10.31	10.82	2.61	H		0.071	18.52		

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(38) / 15 MHz [30 kHz]	PI/2 BPSK	-20.55	16.31	10.58	2.51	H	< 2.00	0.274	24.38	1	36
		QPSK	-20.56	16.30	10.58	2.51	H		0.274	24.37		
		16-QAM	-21.51	15.35	10.58	2.51	H		0.220	23.42		
		64-QAM	-23.14	13.72	10.58	2.51	H		0.151	21.79		
		256-QAM	-25.09	11.77	10.58	2.51	H		0.096	19.84		
2507.500		PI/2 BPSK	-20.32	16.60	10.55	2.51	H		0.291	24.64	1	19
		QPSK	-20.40	16.52	10.55	2.51	H		0.286	24.56		
		16-QAM	-21.30	15.62	10.55	2.51	H		0.232	23.66		
		64-QAM	-22.84	14.08	10.55	2.51	H		0.163	22.12		
		256-QAM	-24.86	12.06	10.55	2.51	H		0.102	20.10		
2592.990		PI/2 BPSK	-21.10	15.61	11.00	2.55	H		0.255	24.06	1	1
		QPSK	-21.11	15.60	11.00	2.55	H		0.254	24.05		
		16-QAM	-22.01	14.70	11.00	2.55	H		0.207	23.15		
		64-QAM	-23.46	13.25	11.00	2.55	H		0.148	21.70		
		256-QAM	-25.65	11.06	11.00	2.55	H		0.089	19.51		
2682.480		PI/2 BPSK	-22.81	14.86	10.84	2.61	H		0.204	23.09	1	19
		QPSK	-22.91	14.76	10.84	2.61	H		0.199	22.99		
		16-QAM	-24.04	13.63	10.84	2.61	H		0.153	21.86		
		64-QAM	-25.55	12.12	10.84	2.61	H		0.108	20.35		
		256-QAM	-27.20	10.47	10.84	2.61	H		0.074	18.70		

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(38) / 20 MHz [30 kHz]	PI/2 BPSK	-20.29	16.57	10.58	2.51	H	< 2.00	0.291	24.64	1	49
		QPSK	-20.33	16.53	10.58	2.51	H		0.288	24.60		
		16-QAM	-21.47	15.39	10.58	2.51	H		0.222	23.46		
		64-QAM	-22.94	13.92	10.58	2.51	H		0.158	21.99		
		256-QAM	-24.97	11.89	10.58	2.51	H		0.099	19.96		
2510.010		PI/2 BPSK	-20.30	16.62	10.55	2.51	H		0.292	24.66	1	49
		QPSK	-20.31	16.61	10.55	2.51	H		0.292	24.65		
		16-QAM	-21.31	15.61	10.55	2.51	H		0.232	23.65		
		64-QAM	-22.79	14.13	10.55	2.51	H		0.165	22.17		
		256-QAM	-24.71	12.21	10.55	2.51	H		0.106	20.25		
2592.990		PI/2 BPSK	-21.22	15.49	11.00	2.55	H		0.248	23.94	1	25
		QPSK	-21.28	15.43	11.00	2.55	H		0.244	23.88		
		16-QAM	-22.22	14.49	11.00	2.55	H		0.197	22.94		
		64-QAM	-23.57	13.14	11.00	2.55	H		0.144	21.59		
		256-QAM	-25.75	10.96	11.00	2.55	H		0.087	19.41		
2679.990		PI/2 BPSK	-22.80	14.87	10.84	2.61	H		0.204	23.10	1	49
		QPSK	-22.81	14.86	10.84	2.61	H		0.204	23.09		
		16-QAM	-23.80	13.87	10.84	2.61	H		0.162	22.10		
		64-QAM	-25.29	12.38	10.84	2.61	H		0.115	20.61		
		256-QAM	-27.17	10.50	10.84	2.61	H		0.075	18.73		

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(38) / 25 MHz [30 kHz]	PI/2 BPSK	-20.33	16.59	10.55	2.51	H	< 2.00	0.290	24.63	1	32
		QPSK	-20.38	16.54	10.55	2.51	H		0.287	24.58		
		16-QAM	-21.53	15.39	10.55	2.51	H		0.220	23.43		
		64-QAM	-23.02	13.90	10.55	2.51	H		0.156	21.94		
		256-QAM	-24.94	11.98	10.55	2.51	H		0.100	20.02		
2512.500		PI/2 BPSK	-20.35	16.58	10.52	2.53	H		0.286	24.57	1	63
		QPSK	-20.36	16.57	10.52	2.53	H		0.286	24.56		
		16-QAM	-21.31	15.62	10.52	2.53	H		0.230	23.61		
		64-QAM	-22.88	14.05	10.52	2.53	H		0.160	22.04		
		256-QAM	-24.89	12.04	10.52	2.53	H		0.101	20.03		
2592.990		PI/2 BPSK	-21.08	15.63	11.00	2.55	H		0.256	24.08	1	1
		QPSK	-21.11	15.60	11.00	2.55	H		0.254	24.05		
		16-QAM	-21.94	14.77	11.00	2.55	H		0.210	23.22		
		64-QAM	-23.56	13.15	11.00	2.55	H		0.145	21.60		
		256-QAM	-25.60	11.11	11.00	2.55	H		0.090	19.56		
2677.500		PI/2 BPSK	-22.69	14.98	10.84	2.61	H		0.209	23.21	1	32
		QPSK	-22.78	14.89	10.84	2.61	H		0.205	23.12		
		16-QAM	-23.96	13.71	10.84	2.61	H		0.156	21.94		
		64-QAM	-25.43	12.24	10.84	2.61	H		0.111	20.47		
		256-QAM	-27.48	10.19	10.84	2.61	H		0.070	18.42		

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
2511.000	Sub6 n41(38) / 30 MHz [30 kHz]	PI/2 BPSK	-20.46	16.46	10.55	2.51	H	< 2.00	0.282	24.50	1	76
		QPSK	-20.48	16.44	10.55	2.51	H		0.281	24.48		
		16-QAM	-21.47	15.45	10.55	2.51	H		0.223	23.49		
		64-QAM	-22.95	13.97	10.55	2.51	H		0.159	22.01		
		256-QAM	-25.04	11.88	10.55	2.51	H		0.098	19.92		
2515.020		PI/2 BPSK	-20.16	16.77	10.52	2.53	H		0.299	24.76	1	39
		QPSK	-20.22	16.71	10.52	2.53	H		0.295	24.70		
		16-QAM	-21.27	15.66	10.52	2.53	H		0.232	23.65		
		64-QAM	-22.74	14.19	10.52	2.53	H		0.165	22.18		
		256-QAM	-24.70	12.23	10.52	2.53	H		0.105	20.22		
2592.990		PI/2 BPSK	-21.01	15.70	11.00	2.55	H		0.260	24.15	1	1
		QPSK	-21.03	15.68	11.00	2.55	H		0.259	24.13		
		16-QAM	-22.08	14.63	11.00	2.55	H		0.203	23.08		
		64-QAM	-23.73	12.98	11.00	2.55	H		0.139	21.43		
		256-QAM	-25.61	11.10	11.00	2.55	H		0.090	19.55		
2674.980		PI/2 BPSK	-22.79	14.50	10.85	2.62	H		0.187	22.73	1	76
		QPSK	-22.82	14.47	10.85	2.62	H		0.186	22.70		
		16-QAM	-23.77	13.52	10.85	2.62	H		0.150	21.75		
		64-QAM	-25.32	11.97	10.85	2.62	H		0.105	20.20		
		256-QAM	-27.19	10.10	10.85	2.62	H		0.068	18.33		

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(38) / 40 MHz [30 kHz]	PI/2 BPSK	-20.28	16.65	10.52	2.53	H	< 2.00	0.291	24.64	1	53
		QPSK	-20.31	16.62	10.52	2.53	H		0.289	24.61		
		16-QAM	-21.39	15.54	10.52	2.53	H		0.225	23.53		
		64-QAM	-22.91	14.02	10.52	2.53	H		0.159	22.01		
		256-QAM	-24.78	12.15	10.52	2.53	H		0.103	20.14		
2520.000		PI/2 BPSK	-20.29	16.64	10.49	2.54	H		0.288	24.59	1	53
		QPSK	-20.35	16.58	10.49	2.54	H		0.284	24.53		
		16-QAM	-21.34	15.59	10.49	2.54	H		0.226	23.54		
		64-QAM	-23.01	13.92	10.49	2.54	H		0.154	21.87		
		256-QAM	-24.76	12.17	10.49	2.54	H		0.103	20.12		
2592.990		PI/2 BPSK	-21.20	15.51	11.00	2.55	H		0.249	23.96	1	53
		QPSK	-21.29	15.42	11.00	2.55	H		0.244	23.87		
		16-QAM	-22.19	14.52	11.00	2.55	H		0.198	22.97		
		64-QAM	-23.71	13.00	11.00	2.55	H		0.140	21.45		
		256-QAM	-25.76	10.95	11.00	2.55	H		0.087	19.40		
2670.000		PI/2 BPSK	-22.80	14.10	10.87	2.62	H		0.172	22.35	1	104
		QPSK	-22.81	14.09	10.87	2.62	H		0.171	22.34		
		16-QAM	-23.78	13.12	10.87	2.62	H		0.137	21.37		
		64-QAM	-25.36	11.54	10.87	2.62	H		0.095	19.79		
		256-QAM	-27.21	9.69	10.87	2.62	H		0.062	17.94		

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	-20.28	16.65	10.49	2.54	H	< 2.00	0.288	24.60	1	66
		QPSK	-20.33	16.60	10.49	2.54	H		0.285	24.55		
		16-QAM	-21.39	15.54	10.49	2.54	H		0.223	23.49		
		64-QAM	-22.88	14.05	10.49	2.54	H		0.158	22.00		
		256-QAM	-24.84	12.09	10.49	2.54	H		0.101	20.04		
2525.010		-20.43	-20.44	16.19	10.52	2.54	H		0.261	24.17	1	1
		-20.50	-20.45	16.18	10.52	2.54	H		0.261	24.16		
		-21.70	-21.46	15.17	10.52	2.54	H		0.207	23.15		
		-22.96	-22.94	13.69	10.52	2.54	H		0.147	21.67		
		-25.24	-24.85	11.78	10.52	2.54	H		0.095	19.76		
2592.990		PI/2 BPSK	-21.15	15.56	11.00	2.55	H		0.252	24.01	1	1
		QPSK	-21.16	15.55	11.00	2.55	H		0.251	24.00		
		16-QAM	-22.16	14.55	11.00	2.55	H		0.200	23.00		
		64-QAM	-23.71	13.00	11.00	2.55	H		0.140	21.45		
		256-QAM	-25.58	11.13	11.00	2.55	H		0.091	19.58		
2664.990		PI/2 BPSK	-22.67	14.28	10.88	2.64	H		0.179	22.52	1	131
		QPSK	-22.69	14.26	10.88	2.64	H		0.178	22.50		
		16-QAM	-23.79	13.16	10.88	2.64	H		0.138	21.40		
		64-QAM	-25.25	11.70	10.88	2.64	H		0.099	19.94		
		256-QAM	-27.26	9.69	10.88	2.64	H		0.062	17.93		

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	-20.35	16.28	10.52	2.54	H	< 2.00	0.267	24.26	1	82
		QPSK	-20.36	16.27	10.52	2.54	H		0.266	24.25		
		16-QAM	-21.37	15.26	10.52	2.54	H		0.211	23.24		
		64-QAM	-22.86	13.77	10.52	2.54	H		0.150	21.75		
		256-QAM	-24.73	11.90	10.52	2.54	H		0.097	19.88		
2530.020		PI/2 BPSK	-20.29	16.04	10.56	2.54	H		0.255	24.06	1	1
		QPSK	-20.35	15.98	10.56	2.54	H		0.251	24.00		
		16-QAM	-21.31	15.02	10.56	2.54	H		0.201	23.04		
		64-QAM	-22.86	13.47	10.56	2.54	H		0.141	21.49		
		256-QAM	-24.89	11.44	10.56	2.54	H		0.088	19.46		
2592.990		PI/2 BPSK	-20.69	16.02	11.00	2.55	H		0.280	24.47	1	1
		QPSK	-20.72	15.99	11.00	2.55	H		0.278	24.44		
		16-QAM	-21.71	15.00	11.00	2.55	H		0.221	23.45		
		64-QAM	-23.18	13.53	11.00	2.55	H		0.158	21.98		
		256-QAM	-25.19	11.52	11.00	2.55	H		0.099	19.97		
2659.980		PI/2 BPSK	-22.35	14.66	10.90	2.67	H		0.195	22.89	1	1
		QPSK	-22.37	14.64	10.90	2.67	H		0.194	22.87		
		16-QAM	-23.37	13.64	10.90	2.67	H		0.154	21.87		
		64-QAM	-24.95	12.06	10.90	2.67	H		0.107	20.29		
		256-QAM	-26.93	10.08	10.90	2.67	H		0.068	18.31		

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	-20.43	15.90	10.56	2.54	H	< 2.00	0.247	23.92	1	1
		QPSK	-20.44	15.89	10.56	2.54	H		0.246	23.91		
		16-QAM	-21.63	14.70	10.56	2.54	H		0.187	22.72		
		64-QAM	-22.97	13.36	10.56	2.54	H		0.137	21.38		
		256-QAM	-25.08	11.25	10.56	2.54	H		0.085	19.27		
2535.000		PI/2 BPSK	-20.32	16.14	10.59	2.54	H		0.262	24.19	1	1
		QPSK	-20.33	16.13	10.59	2.54	H		0.262	24.18		
		16-QAM	-21.27	15.19	10.59	2.54	H		0.211	23.24		
		64-QAM	-22.76	13.70	10.59	2.54	H		0.150	21.75		
		256-QAM	-24.86	11.60	10.59	2.54	H		0.092	19.65		
2592.990		PI/2 BPSK	-20.70	16.01	11.00	2.55	H		0.279	24.46	1	1
		QPSK	-20.72	15.99	11.00	2.55	H		0.278	24.44		
		16-QAM	-21.84	14.87	11.00	2.55	H		0.215	23.32		
		64-QAM	-23.34	13.37	11.00	2.55	H		0.152	21.82		
		256-QAM	-25.20	11.51	11.00	2.55	H		0.099	19.96		
2655.000		PI/2 BPSK	-21.71	15.20	10.91	2.68	H		0.220	23.43	1	1
		QPSK	-21.73	15.18	10.91	2.68	H		0.219	23.41		
		16-QAM	-22.55	14.36	10.91	2.68	H		0.182	22.59		
		64-QAM	-24.22	12.69	10.91	2.68	H		0.124	20.92		
		256-QAM	-26.08	10.83	10.91	2.68	H		0.081	19.06		

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	-20.19	16.27	10.59	2.54	H	< 2.00	0.270	24.32	1	1
		QPSK	-20.20	16.26	10.59	2.54	H		0.270	24.31		
		16-QAM	-21.14	15.32	10.59	2.54	H		0.217	23.37		
		64-QAM	-22.78	13.68	10.59	2.54	H		0.149	21.73		
		256-QAM	-24.79	11.67	10.59	2.54	H		0.094	19.72		
2540.010		PI/2 BPSK	-20.01	16.57	10.62	2.53	H		0.292	24.66	1	1
		QPSK	-20.05	16.53	10.62	2.53	H		0.290	24.62		
		16-QAM	-21.03	15.55	10.62	2.53	H		0.231	23.64		
		64-QAM	-22.63	13.95	10.62	2.53	H		0.160	22.04		
		256-QAM	-24.55	12.03	10.62	2.53	H		0.103	20.12		
2592.990		PI/2 BPSK	-20.73	15.98	11.00	2.55	H		0.277	24.43	1	1
		QPSK	-20.77	15.94	11.00	2.55	H		0.275	24.39		
		16-QAM	-21.84	14.87	11.00	2.55	H		0.215	23.32		
		64-QAM	-23.30	13.41	11.00	2.55	H		0.153	21.86		
		256-QAM	-25.33	11.38	11.00	2.55	H		0.096	19.83		
2649.990		PI/2 BPSK	-21.88	14.91	10.93	2.69	H		0.207	23.15	1	1
		QPSK	-21.89	14.90	10.93	2.69	H		0.206	23.14		
		16-QAM	-22.82	13.97	10.93	2.69	H		0.166	22.21		
		64-QAM	-24.46	12.33	10.93	2.69	H		0.114	20.57		
		256-QAM	-26.55	10.24	10.93	2.69	H		0.070	18.48		

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
2541.000	Sub6 41/ 90 MHz [30 kHz]	PI/2 BPSK	-20.04	16.54	10.62	2.53	H	< 2.00	0.290	24.63	1	1
		QPSK	-20.06	16.52	10.62	2.53	H		0.289	24.61		
		16-QAM	-21.08	15.50	10.62	2.53	H		0.229	23.59		
		64-QAM	-22.66	13.92	10.62	2.53	H		0.159	22.01		
		256-QAM	-24.51	12.07	10.62	2.53	H		0.104	20.16		
2545.020		PI/2 BPSK	-19.83	16.72	10.66	2.53	H		0.305	24.85	1	1
		QPSK	-19.86	16.69	10.66	2.53	H		0.303	24.82		
		16-QAM	-20.89	15.66	10.66	2.53	H		0.239	23.79		
		64-QAM	-22.43	14.12	10.66	2.53	H		0.168	22.25		
		256-QAM	-24.40	12.15	10.66	2.53	H		0.107	20.28		
2592.990		PI/2 BPSK	-20.22	16.49	11.00	2.55	H		0.312	24.94	1	1
		QPSK	-20.28	16.43	11.00	2.55	H		0.308	24.88		
		16-QAM	-21.24	15.47	11.00	2.55	H		0.247	23.92		
		64-QAM	-22.76	13.95	11.00	2.55	H		0.174	22.40		
		256-QAM	-24.76	11.95	11.00	2.55	H		0.110	20.40		
2644.980		PI/2 BPSK	-21.60	15.51	10.95	2.68	H		0.239	23.78	1	1
		QPSK	-21.65	15.46	10.95	2.68	H		0.236	23.73		
		16-QAM	-22.61	14.50	10.95	2.68	H		0.189	22.77		
		64-QAM	-24.25	12.86	10.95	2.68	H		0.130	21.13		
		256-QAM	-26.14	10.97	10.95	2.68	H		0.084	19.24		

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	-20.53	16.02	10.66	2.53	H	< 2.00	0.260	24.15	1	1
		QPSK	-20.56	15.99	10.66	2.53	H		0.258	24.12		
		16-QAM	-21.55	15.00	10.66	2.53	H		0.206	23.13		
		64-QAM	-23.06	13.49	10.66	2.53	H		0.145	21.62		
		256-QAM	-25.00	11.55	10.66	2.53	H		0.093	19.68		
2550.000		PI/2 BPSK	-20.11	16.42	10.69	2.53	H		0.287	24.58	1	1
		QPSK	-20.17	16.36	10.69	2.53	H		0.283	24.52		
		16-QAM	-21.15	15.38	10.69	2.53	H		0.226	23.54		
		64-QAM	-22.61	13.92	10.69	2.53	H		0.161	22.08		
		256-QAM	-24.63	11.90	10.69	2.53	H		0.101	20.06		
2592.990		PI/2 BPSK	-20.55	16.16	11.00	2.55	H		0.289	24.61	1	1
		QPSK	-20.57	16.14	11.00	2.55	H		0.288	24.59		
		16-QAM	-21.49	15.22	11.00	2.55	H		0.233	23.67		
		64-QAM	-23.18	13.53	11.00	2.55	H		0.158	21.98		
		256-QAM	-25.13	11.58	11.00	2.55	H		0.101	20.03		
2640.000		PI/2 BPSK	-21.43	16.01	10.96	2.68	H		0.269	24.29	1	1
		QPSK	-21.44	16.00	10.96	2.68	H		0.268	24.28		
		16-QAM	-22.50	14.94	10.96	2.68	H		0.210	23.22		
		64-QAM	-23.95	13.49	10.96	2.68	H		0.150	21.77		
		256-QAM	-26.05	11.39	10.96	2.68	H		0.093	19.67		

8.2 RADIATED SPURIOUS EMISSIONS

NR Band:	<u>n41(38)</u>
Bandwidth:	<u>10 MHz</u>
Modulation:	<u>PI/2 BPSK</u>
Distance:	<u>1 meter</u>
SCS:	<u>30 kHz</u>

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	-51.16	11.22	-52.87	3.71	H	-45.36	-25.00	1	12
	7 503.03	-63.56	11.54	-56.13	4.60	V	-49.19	-25.00		
	10 004.04	-60.96	11.47	-51.56	5.47	V	-45.56	-25.00		
501000 (2505.000)	5 010.00	-51.77	11.18	-52.91	3.72	H	-45.45	-25.00	1	22
	7 515.00	-61.43	11.56	-53.85	4.60	H	-46.89	-25.00		
	10 020.00	-61.93	11.46	-52.25	5.47	H	-46.26	-25.00		
518598 (2592.990)	5 185.98	-53.05	11.61	-54.22	3.80	H	-46.41	-25.00	1	1
	7 778.97	-56.06	11.26	-48.99	4.70	H	-42.43	-25.00		
	10 371.96	-62.73	11.68	-51.64	5.55	V	-45.51	-25.00		
537000 (2685.000)	5 370.00	-62.10	11.96	-63.73	3.92	V	-55.69	-25.00	1	12
	8 055.00	-61.02	11.24	-53.74	4.81	V	-47.31	-25.00		
	10 740.00	-63.96	11.55	-51.94	5.64	V	-46.03	-25.00		

NR Band:	<u>n41(38)</u>
Bandwidth:	<u>15 MHz</u>
Modulation:	<u>PI/2 BPSK</u>
Distance:	<u>1 meter</u>
SCS:	<u>30 kHz</u>

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	-52.64	11.20	-54.07	3.71	H	-46.58	-25.00	1	36
	7 510.50	-60.92	11.55	-53.38	4.60	H	-46.43	-25.00		
	10 014.00	-61.58	11.46	-52.19	5.47	H	-46.20	-25.00		
501504 (2507.500)	5 015.00	-53.57	11.17	-54.49	3.70	H	-47.02	-25.00	1	19
	7 522.50	-61.27	11.57	-53.62	4.61	H	-46.66	-25.00		
	10 030.00	-60.53	11.45	-51.49	5.47	H	-45.51	-25.00		
518598 (2592.990)	5 185.98	-54.72	11.61	-55.89	3.80	H	-48.08	-25.00	1	1
	7 778.97	-57.72	11.26	-50.65	4.70	H	-44.09	-25.00		
	10 371.96	-62.58	11.68	-51.49	5.55	H	-45.36	-25.00		
536496 (2682.480)	5 364.96	-61.74	11.95	-63.26	3.91	H	-55.22	-25.00	1	19
	8 047.44	-60.06	11.23	-52.84	4.81	H	-46.42	-25.00		
	10 729.92	-63.13	11.56	-51.06	5.65	H	-45.15	-25.00		

☐ NR Band: n41(38)
☐ 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	-51.90	11.18	-53.04	3.72	H	-45.58	-25.00	1	49
	7 518.06	-60.81	11.56	-53.17	4.61	H	-46.22	-25.00		
	10 024.08	-60.88	11.46	-51.53	5.47	H	-45.54	-25.00		
502002 (2510.010)	5 020.02	-53.35	11.17	-54.05	3.69	H	-46.57	-25.00	1	49
	7 530.03	-63.54	11.57	-55.88	4.60	H	-48.91	-25.00		
	10 040.04	-60.77	11.44	-51.31	5.49	H	-45.36	-25.00		
518598 (2592.990)	5 185.98	-55.68	11.61	-56.85	3.80	H	-49.04	-25.00	1	25
	7 778.97	-58.66	11.26	-51.59	4.70	H	-45.03	-25.00		
	10 371.96	-62.38	11.68	-51.29	5.55	H	-45.16	-25.00		
535998 (2679.990)	5 359.98	-62.34	11.95	-63.77	3.90	H	-55.72	-25.00	1	49
	8 039.97	-62.15	11.22	-54.84	4.80	H	-48.42	-25.00		
	10 719.96	-63.22	11.56	-51.57	5.64	H	-45.65	-25.00		

☐ NR Band: n41(38)
☐ 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	-52.61	11.17	-53.53	3.70	H	-46.06	-25.00	1	32
	7 525.53	-60.10	11.57	-52.45	4.61	H	-45.49	-25.00		
	10 034.04	-61.31	11.45	-52.07	5.48	H	-46.10	-25.00		
502500 (2512.500)	5 025.00	-51.72	11.18	-52.49	3.68	H	-44.99	-25.00	1	63
	7 537.50	-62.67	11.58	-55.14	4.61	H	-48.17	-25.00		
	10 050.00	-61.08	11.43	-51.88	5.48	H	-45.93	-25.00		
518598 (2592.990)	5 185.98	-52.99	11.61	-54.16	3.80	H	-46.35	-25.00	1	1
	7 778.97	-59.02	11.26	-51.95	4.70	H	-45.39	-25.00		
	10 371.96	-61.89	11.68	-50.80	5.55	H	-44.67	-25.00		
535500 (2677.500)	5 355.00	-63.21	11.94	-64.76	3.88	H	-56.70	-25.00	1	32
	8 032.50	-62.04	11.21	-54.75	4.80	H	-48.34	-25.00		
	10 710.00	-63.46	11.57	-51.74	5.65	H	-45.82	-25.00		

☐ NR Band: n41(38)
☐ 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	-52.64	11.17	-53.34	3.69	H	-45.86	-25.00	1	76
	7 533.00	-59.62	11.57	-52.02	4.61	H	-45.06	-25.00		
	10 044.00	-60.55	11.44	-51.23	5.48	H	-45.27	-25.00		
503004 (2515.020)	5 030.04	-52.77	11.19	-53.61	3.67	H	-46.09	-25.00	1	39
	7 545.06	-62.55	11.58	-55.09	4.62	H	-48.13	-25.00		
	10 060.08	-60.80	11.42	-51.68	5.48	H	-45.74	-25.00		
518598 (2592.990)	5 185.98	-52.50	11.61	-53.67	3.80	H	-45.86	-25.00	1	1
	7 778.97	-58.91	11.26	-51.84	4.70	H	-45.28	-25.00		
	10 371.96	-61.44	11.68	-50.35	5.55	H	-44.22	-25.00		
534996 (2674.980)	5 349.96	-62.30	11.94	-63.99	3.85	H	-55.90	-25.00	1	76
	8 024.94	-62.02	11.20	-54.77	4.79	H	-48.36	-25.00		
	10 699.92	-62.45	11.57	-50.45	5.67	H	-44.55	-25.00		

☐ NR Band: n41(38)
☐ 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	-52.82	11.19	-53.66	3.67	H	-46.14	-25.00	1	53
	7 548.03	-61.26	11.59	-53.89	4.63	H	-46.93	-25.00		
	10 064.04	-60.15	11.42	-50.93	5.47	H	-44.98	-25.00		
504000 (2520.000)	5 040.00	-52.49	11.20	-53.53	3.68	H	-46.01	-25.00	1	53
	7 560.00	-61.96	11.60	-54.42	4.64	H	-47.46	-25.00		
	10 080.00	-60.43	11.41	-51.42	5.47	H	-45.48	-25.00		
518598 (2592.990)	5 185.98	-55.42	11.61	-56.59	3.80	H	-48.78	-25.00	1	53
	7 778.97	-58.69	11.26	-51.62	4.70	H	-45.06	-25.00		
	10 371.96	-62.50	11.68	-51.41	5.55	H	-45.28	-25.00		
534000 (2670.000)	5 340.00	-59.54	11.93	-61.52	3.80	H	-53.39	-25.00	1	104
	8 010.00	-59.69	11.17	-52.37	4.77	H	-45.97	-25.00		
	10 680.00	-63.78	11.57	-51.20	5.71	H	-45.34	-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	-53.70	11.20	-54.74	3.68	H	-47.22	-25.00	1	66
	7 563.06	-62.04	11.60	-54.51	4.64	H	-47.55	-25.00		
	10 084.08	-61.78	11.40	-52.55	5.46	H	-46.61	-25.00		
505002 (2525.010)	5 050.02	-54.14	11.22	-55.61	3.73	H	-48.12	-25.00	1	1
	7 575.03	-61.74	11.61	-54.15	4.65	H	-47.19	-25.00		
	10 100.04	-61.75	11.39	-52.33	5.46	H	-46.40	-25.00		
518598 (2592.990)	5 185.98	-52.67	11.61	-53.84	3.80	H	-46.03	-25.00	1	1
	7 778.97	-58.16	11.26	-51.09	4.70	H	-44.53	-25.00		
	10 371.96	-63.33	11.68	-52.24	5.55	H	-46.11	-25.00		
532998 (2664.990)	5 329.98	-60.78	11.92	-62.51	3.77	H	-54.36	-25.00	1	131
	7 994.97	-61.58	11.13	-54.03	4.77	H	-47.67	-25.00		
	10 659.96	-62.58	11.58	-50.18	5.67	H	-44.27	-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	-51.18	11.22	-52.65	3.73	H	-45.16	-25.00	1	82
	7 578.00	-58.33	11.61	-50.67	4.65	H	-43.71	-25.00		
	10 104.00	-62.33	11.39	-52.77	5.46	H	-46.84	-25.00		
506004 (2530.020)	5 060.04	-53.56	11.24	-54.93	3.78	H	-47.47	-25.00	1	1
	7 590.06	-58.57	11.62	-51.21	4.64	H	-44.23	-25.00		
	10 120.08	-58.93	11.38	-49.05	5.47	H	-43.14	-25.00		
518598 (2592.990)	5 185.98	-50.66	11.61	-51.83	3.80	H	-44.02	-25.00	1	1
	7 778.97	-57.23	11.26	-50.16	4.70	H	-43.60	-25.00		
	10 371.96	-63.41	11.68	-52.32	5.55	H	-46.19	-25.00		
531996 (2659.980)	5 319.96	-56.29	11.91	-57.84	3.79	H	-49.72	-25.00	1	1
	7 979.94	-61.99	11.10	-54.29	4.79	H	-47.98	-25.00		
	10 639.92	-62.97	11.58	-50.59	5.61	H	-44.62	-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	-52.58	11.24	-53.95	3.78	H	-46.49	-25.00	1	1
	7 593.03	-61.57	11.62	-54.29	4.64	H	-47.31	-25.00		
	10 124.04	-62.54	11.37	-52.85	5.47	H	-46.95	-25.00		
507000 (2535.000)	5 070.00	-51.46	11.25	-52.62	3.80	H	-45.17	-25.00	1	1
	7 605.00	-58.32	11.60	-51.27	4.64	H	-44.31	-25.00		
	10 140.00	-62.97	11.36	-53.03	5.48	H	-47.15	-25.00		
518598 (2592.990)	5 185.98	-50.97	11.61	-52.14	3.80	H	-44.33	-25.00	1	1
	7 778.97	-60.67	11.26	-53.60	4.70	H	-47.04	-25.00		
	10 371.96	-62.55	11.68	-51.46	5.55	H	-45.33	-25.00		
531000 (2655.000)	5 310.00	-55.19	11.91	-56.30	3.82	H	-48.21	-25.00	1	1
	7 965.00	-60.67	11.07	-52.85	4.80	H	-46.58	-25.00		
	10 620.00	-63.11	11.58	-51.07	5.65	H	-45.14	-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	-52.57	11.25	-53.73	3.80	H	-46.28	-25.00	1	1
	7 608.06	-60.41	11.60	-53.53	4.64	H	-46.57	-25.00		
	10 144.08	-62.08	11.36	-52.47	5.48	H	-46.59	-25.00		
508002 (2540.010)	5 080.02	-54.69	11.27	-55.49	3.81	H	-48.03	-25.00	1	1
	7 620.03	-61.40	11.58	-54.52	4.65	H	-47.59	-25.00		
	10 160.04	-61.67	11.35	-51.55	5.49	H	-45.69	-25.00		
518598 (2592.990)	5 185.98	-54.44	11.61	-55.61	3.80	H	-47.80	-25.00	1	1
	7 778.97	-58.19	11.26	-51.12	4.70	H	-44.56	-25.00		
	10 371.96	-62.81	11.68	-51.72	5.55	H	-45.59	-25.00		
529998 (2649.990)	5 299.98	-58.60	11.90	-60.10	3.83	H	-52.03	-25.00	1	1
	7 949.97	-58.62	11.03	-50.97	4.78	H	-44.72	-25.00		
	10 599.96	-63.75	11.58	-52.46	5.67	H	-46.55	-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	-53.69	11.27	-54.49	3.81	H	-47.03	-25.00	1	1
	7 623.00	-61.08	11.57	-54.14	4.65	H	-47.22	-25.00		
	10 164.00	-61.13	11.34	-51.27	5.50	H	-45.43	-25.00		
509004 (2545.020)	5 090.04	-53.83	11.29	-54.71	3.78	H	-47.20	-25.00	1	1
	7 635.06	-61.13	11.55	-54.14	4.67	H	-47.26	-25.00		
	10 180.08	-61.34	11.35	-51.03	5.51	H	-45.19	-25.00		
518598 (2592.990)	5 185.98	-51.55	11.61	-52.72	3.80	H	-44.91	-25.00	1	1
	7 778.97	-58.76	11.26	-51.69	4.70	H	-45.13	-25.00		
	10 371.96	-62.24	11.68	-51.15	5.55	H	-45.02	-25.00		
528996 (2644.980)	5 289.96	-54.56	11.89	-56.14	3.83	H	-48.08	-25.00	1	1
	7 934.94	-56.92	11.01	-49.54	4.77	H	-43.30	-25.00		
	10 579.92	-62.07	11.62	-50.92	5.65	H	-44.95	-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	-54.24	11.29	-55.12	3.78	H	-47.61	-25.00	1	1
	7 638.03	-61.51	11.54	-54.54	4.68	H	-47.68	-25.00		
	10 184.04	-61.98	11.35	-51.94	5.52	H	-46.11	-25.00		
510000 (2550.000)	5 100.00	-53.67	11.31	-54.86	3.78	H	-47.33	-25.00	1	1
	7 650.00	-60.77	11.52	-53.64	4.68	H	-46.80	-25.00		
	10 200.00	-61.72	11.38	-51.56	5.54	H	-45.72	-25.00		
518598 (2592.990)	5 185.98	-51.48	11.61	-52.65	3.80	H	-44.84	-25.00	1	1
	7 778.97	-57.82	11.26	-50.75	4.70	H	-44.19	-25.00		
	10 371.96	-62.44	11.68	-51.35	5.55	H	-45.22	-25.00		
528000 (2640.000)	5 280.00	-55.46	11.88	-57.49	3.80	H	-49.41	-25.00	1	1
	7 920.00	-57.82	11.02	-50.40	4.77	H	-44.15	-25.00		
	10 560.00	-62.01	11.65	-51.07	5.63	H	-45.05	-25.00		

8.3 PEAK-TO-AVERAGE RATIO

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (dB)	Limit (dB)
Sub6 n41(38)	10 MHz	2592.990	BPSK	24	0	4.48	13.00
			QPSK			5.72	
			16-QAM			6.40	
			64-QAM			6.65	
			256-QAM			6.69	
	15 MHz		BPSK	36		4.38	
			QPSK			5.68	
			16-QAM			6.35	
			64-QAM			6.67	
			256-QAM			6.79	
	20 MHz		BPSK	50		4.79	
			QPSK			5.62	
			16-QAM			6.30	
			64-QAM			6.35	
			256-QAM			6.82	
	25 MHz		BPSK	64		4.71	
			QPSK			5.71	
			16-QAM			6.41	
			64-QAM			6.58	
			256-QAM			6.72	
	30 MHz		BPSK	75		4.61	
			QPSK			5.72	
			16-QAM			6.39	
			64-QAM			6.61	
			256-QAM			6.86	
	40 MHz		BPSK	100		4.62	
			QPSK			5.77	
			16-QAM			6.44	
			64-QAM			6.52	
			256-QAM			6.71	
	50 MHz		BPSK	128		4.59	
			QPSK			5.78	
			16-QAM			6.55	
			64-QAM			6.72	
			256-QAM			6.77	

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (dB)	Limit (dB)
Sub6 n41	60 MHz	2592.990	BPSK	162	0	4.87	13.00
			QPSK			5.76	
			16-QAM			6.45	
			64-QAM			6.62	
			256-QAM			6.72	
	70 MHz		BPSK	180		5.33	
			QPSK			5.79	
			16-QAM			6.57	
			64-QAM			6.66	
			256-QAM			6.77	
	80 MHz		BPSK	216		4.65	
			QPSK			5.78	
			16-QAM			6.57	
			64-QAM			6.68	
			256-QAM			6.79	
	90 MHz		BPSK	243		4.88	
			QPSK			5.74	
			16-QAM			6.50	
			64-QAM			6.59	
			256-QAM			6.79	
	100 MHz		BPSK	270		4.84	
			QPSK			5.73	
			16-QAM			6.48	
			64-QAM			6.65	
			256-QAM			6.70	

Note:

1. Plots of the EUT's Peak- to- Average Ratio are shown Page 120 ~ 179.
2. P.A.P.R is not required. These values are reported for information only.

8.4 OCCUPIED BANDWIDTH

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (MHz)
Sub6 n41(38)	10 MHz	2592.990	BPSK	24	0	8.7052
			QPSK			8.6868
			16-QAM			8.6581
			64-QAM			8.6744
			256-QAM			8.6525
	15 MHz		BPSK	36		12.979
			QPSK			13.017
			16-QAM			12.984
			64-QAM			13.004
			256-QAM			12.966
	20 MHz		BPSK	50		18.038
			QPSK			17.981
			16-QAM			17.982
			64-QAM			17.961
			256-QAM			17.931
	25 MHz		BPSK	64		23.054
			QPSK			23.019
			16-QAM			23.009
			64-QAM			23.102
			256-QAM			22.975
	30 MHz		BPSK	75		26.995
			QPSK			26.987
			16-QAM			27.004
			64-QAM			27.023
			256-QAM			27.022
	40 MHz		BPSK	100		35.967
			QPSK			35.909
			16-QAM			35.894
			64-QAM			35.885
			256-QAM			35.921
	50 MHz		BPSK	128		45.945
			QPSK			46.031
			16-QAM			45.911
			64-QAM			46.043
			256-QAM			45.986

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (MHz)
Sub6 n41	60 MHz	2592.990	BPSK	162	0	58.510
			QPSK			58.372
			16-QAM			58.089
			64-QAM			58.311
			256-QAM			58.190
	70 MHz		BPSK	180		65.110
			QPSK			65.005
			16-QAM			65.049
			64-QAM			64.999
			256-QAM			65.233
	80 MHz		BPSK	216		77.574
			QPSK			77.715
			16-QAM			77.465
			64-QAM			77.566
			256-QAM			77.693
	90 MHz		BPSK	243		87.483
			QPSK			87.353
			16-QAM			87.472
			64-QAM			87.222
			256-QAM			87.497
	100 MHz		BPSK	270		97.111
			QPSK			97.002
			16-QAM			97.175
			64-QAM			96.636
			256-QAM			97.157

Note:

1. Plots of the EUT's Occupied Bandwidth are shown Page 180 ~ 239.

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(38)	10	2501.010	8.6541	30.315	-62.636	-32.321	-25.00
		2505.000	8.3151	30.315	-63.235	-32.920	
		2592.990	4.0379	29.722	-62.088	-32.366	
		2685.000	5.9821	30.315	-62.472	-32.157	
	15	2503.500	8.9232	30.315	-62.743	-32.428	
		2507.520	8.8535	30.315	-64.053	-33.738	
		2592.990	8.2453	30.315	-63.506	-33.191	
		2682.480	4.0579	29.722	-63.630	-33.908	
	20	2506.020	3.7688	29.722	-63.059	-33.337	
		2510.010	5.2044	30.315	-63.287	-32.972	
		2592.990	8.5344	30.315	-63.625	-33.310	
		2679.990	4.9053	29.722	-63.568	-33.846	
	25	2508.510	5.7328	30.315	-63.160	-32.845	
		2512.500	3.7787	29.722	-63.435	-33.713	
		2592.990	4.9053	29.722	-62.394	-32.672	
		2677.500	5.4936	30.315	-63.263	-32.948	
	30	2511.000	9.9801	30.315	-63.229	-32.914	
		2515.020	5.7328	30.315	-63.283	-32.968	
		2592.990	8.7936	30.315	-63.371	-33.056	
		2674.980	3.9981	29.722	-63.806	-34.084	
	40	2516.010	4.0280	29.722	-63.349	-33.627	
		2520.000	8.0060	30.315	-62.199	-31.884	
		2592.990	9.9701	30.315	-61.674	-31.359	
		2670.000	5.0748	30.315	-63.249	-32.934	
	50	2521.020	9.1426	30.315	-62.412	-32.097	
		2525.010	4.0280	29.722	-63.048	-33.326	
		2592.990	9.0429	30.315	-63.378	-33.063	
		2664.990	2.7319	29.722	-58.947	-29.225	
	60	2526.000	7.9661	30.315	-62.428	-32.113	
		2530.020	4.0479	29.722	-62.983	-33.261	
		2592.990	5.2343	30.315	-62.538	-32.223	
		2659.980	2.7418	29.722	-58.038	-28.316	
	70	2531.010	6.0619	30.315	-63.670	-33.355	
		2535.000	3.7688	29.722	-62.742	-33.020	
		2592.990	9.9302	30.315	-63.816	-33.501	
		2655.000	9.0828	30.315	-62.848	-32.533	
	80	2536.020	9.0628	30.315	-63.402	-33.087	
		2540.010	9.9601	30.315	-63.253	-32.938	
		2592.990	8.8335	30.315	-63.515	-33.200	
		2649.990	2.7418	29.722	-63.529	-33.807	
	90	2541.000	6.2812	30.315	-63.730	-33.415	
		2545.020	8.8634	30.315	-63.185	-32.870	
		2592.990	2.7219	29.722	-60.060	-30.338	
		2644.980	8.6241	30.315	-63.951	-33.636	
	100	2546.010	5.5035	30.315	-63.547	-33.232	
		2550.000	9.7906	30.315	-63.510	-33.195	
		2592.990	2.7418	29.722	-60.750	-31.028	
		2640.000	6.2313	30.315	-63.130	-32.815	

Note:

1. Plots of the EUT's Conducted Spurious Emissions are shown Page 240 ~ 335.
2. Result (dBm) = Measurement Maximum Data (dBm) + Factor (dB)
3. Factor(dB) = Cable Loss + Ext. Attenuator + Power Splitter

Frequency Range (GHz)	Factor [dB]
0.03 – 1	27.012
1 – 5	29.722
5 – 10	30.315
10 – 15	30.840
15 – 20	31.213
Above 20	31.855

8.6 CHANNEL EDGE

BW	Test. Frequency (MHz)	Modulation	RB 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	-22.32	-21.47	-23.16	-22.98	-27.17	-26.84	-35.83
15 MHz	2503.500	BPSK	Full RB	-21.73	-28.41	-24.62	-27.41	-29.62	-27.63	-38.16
20 MHz	2506.020	BPSK	Full RB	-22.72	-25.15	-23.11	-23.44	-27.89	-26.68	-38.45
25 MHz	2508.510	BPSK	Full RB	-23.90	-25.59	-25.47	-25.05	-28.06	-27.76	-38.19
30 MHz	2511.000	BPSK	Full RB	-25.11	-31.84	-29.05	-31.15	-31.67	-31.93	-40.22
40 MHz	2516.010	BPSK	Full RB	-23.29	-28.03	-27.04	-26.97	-27.67	-28.47	-40.93
50 MHz	2521.020	BPSK	Full RB	-23.40	-28.68	-29.36	-30.65	-35.75	-33.93	-41.47
60 MHz	2526.000	BPSK	Full RB	-17.01	-16.77	-26.27	-24.24	-35.04	-32.39	-41.82
70 MHz	2531.010	BPSK	Full RB	-21.98	-29.16	-26.90	-29.70	-32.74	-30.54	-42.07
80 MHz	2536.020	BPSK	Full RB	-21.55	-23.28	-26.11	-25.91	-33.11	-30.89	-43.07
90 MHz	2541.000	BPSK	Full RB	-20.17	-23.49	-26.37	-25.70	-32.14	-27.91	-43.91
100 MHz	2546.010	BPSK	Full RB	-19.13	-26.18	-26.26	-27.36	-32.01	-28.36	-44.09
Limit				-13.0	-10.0	-13.0	-10.0	-25.0	-13.0	-25.0

BW	Test. Frequency (MHz)	Modulation	RB 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	2505.000	BPSK	Full RB	-21.88	-20.03	-25.29	-21.59	-34.65	-25.05	-35.83
15 MHz	2507.520	BPSK	Full RB	-21.11	-27.88	-29.59	-27.08	-31.85	-26.56	-38.47
20 MHz	2510.010	BPSK	Full RB	-22.66	-24.72	-26.18	-23.43	-31.51	-24.87	-38.46
25 MHz	2512.500	BPSK	Full RB	-24.25	-26.73	-32.18	-27.88	-32.42	-30.42	-38.79
30 MHz	2515.020	BPSK	Full RB	-24.31	-31.30	-30.25	-30.50	-31.75	-30.41	-40.28
40 MHz	2520.000	BPSK	Full RB	-24.06	-30.09	-30.61	-28.37	-30.94	-27.63	-40.18
50 MHz	2525.010	BPSK	Full RB	-21.85	-30.24	-32.39	-30.82	-36.53	-32.16	-41.44
60 MHz	2530.020	BPSK	Full RB	-17.59	-16.87	-28.98	-23.49	-35.14	-29.69	-41.12
70 MHz	2535.000	BPSK	Full RB	-22.02	-27.55	-31.97	-27.75	-34.53	-29.93	-42.63
80 MHz	2540.010	BPSK	Full RB	-19.62	-23.51	-31.59	-26.20	-33.48	-29.13	-43.37
90 MHz	2545.020	BPSK	Full RB	-20.93	-23.91	-30.58	-25.96	-32.29	-28.60	-39.07
100 MHz	2550.000	BPSK	Full RB	-19.28	-25.04	-31.76	-26.26	-32.12	-27.63	-42.75
Limit				-13.0	-10.0	-13.0	-10.0	-25.0	-13.0	-25.0

Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	C.E ~ (C.E $\pm$ 1 MHz)		(C.E $\pm$ 1 MHz) ~ (C.E $\pm$ 5 MHz)	
					Lower	Upper	Lower	Upper
10 MHz	2592.990	BPSK	Full RB	0	-21.96	-21.15	-25.36	-24.17
	2685.000	BPSK	Full RB	0	-21.24	-20.20	-22.19	-21.59
15 MHz	2592.990	BPSK	Full RB	0	-22.07	-30.14	-26.26	-28.05
	2682.480	BPSK	Full RB	0	-20.24	-26.74	-22.20	-24.18
20 MHz	2592.990	BPSK	Full RB	0	-23.10	-27.11	-29.21	-30.36
	2679.990	BPSK	Full RB	0	-22.30	-25.43	-24.00	-25.12
25 MHz	2592.990	BPSK	Full RB	0	-23.53	-26.61	-30.19	-31.14
	2677.500	BPSK	Full RB	0	-22.42	-27.31	-29.21	-31.68
30 MHz	2592.990	BPSK	Full RB	0	-26.05	-32.53	-31.71	-30.49
	2674.980	BPSK	Full RB	0	-24.05	-36.00	-30.83	-35.33
40 MHz	2592.990	BPSK	Full RB	0	-23.56	-35.47	-31.48	-35.07
	2670.000	BPSK	Full RB	0	-23.28	-38.26	-31.91	-37.16
50 MHz	2592.990	BPSK	Full RB	0	-22.08	-31.54	-28.50	-33.54
	2664.990	BPSK	Full RB	0	-21.56	-34.20	-29.17	-37.88
60 MHz	2592.990	BPSK	Full RB	0	-15.73	-17.53	-24.85	-25.27
	2659.980	BPSK	Full RB	0	-16.49	-19.26	-26.43	-27.53
70 MHz	2592.990	BPSK	Full RB	0	-19.11	-32.44	-24.33	-34.95
	2655.000	BPSK	Full RB	0	-20.67	-33.03	-25.98	-33.62
80 MHz	2592.990	BPSK	Full RB	0	-19.56	-25.66	-25.57	-29.48
	2649.990	BPSK	Full RB	0	-20.71	-25.14	-26.86	-29.27
90 MHz	2592.990	BPSK	Full RB	0	-19.16	-26.52	-26.63	-30.21
	2644.980	BPSK	Full RB	0	-20.14	-26.91	-27.51	-30.12
100 MHz	2592.990	BPSK	Full RB	0	-19.85	-28.96	-28.02	-32.25
	2640.000	BPSK	Full RB	0	-18.33	-28.07	-26.69	-31.14
Limit (dBm)					-10.0		-10.0	

Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	(C.E $\pm$ 5 MHz) ~ (C.E $\pm$ X MHz)		Above (C.E $\pm$ X MHz)	
					Lower	Upper	Lower	Upper
10 MHz	2592.990	BPSK	Full RB	0	-31.05	-29.24	-35.63	-36.16
	2685.000	BPSK	Full RB	0	-23.86	-25.63	-34.69	-36.70
15 MHz	2592.990	BPSK	Full RB	0	-31.21	-30.13	-37.95	-38.46
	2682.480	BPSK	Full RB	0	-24.88	-25.96	-37.70	-39.36
20 MHz	2592.990	BPSK	Full RB	0	-33.70	-33.48	-39.38	-38.81
	2679.990	BPSK	Full RB	0	-27.87	-28.88	-38.95	-39.67
25 MHz	2592.990	BPSK	Full RB	0	-34.79	-33.72	-39.26	-39.87
	2677.500	BPSK	Full RB	0	-33.36	-36.35	-37.66	-40.98
30 MHz	2592.990	BPSK	Full RB	0	-32.54	-31.59	-38.01	-35.43
	2674.980	BPSK	Full RB	0	-33.75	-37.52	-38.77	-40.98
40 MHz	2592.990	BPSK	Full RB	0	-34.58	-33.61	-40.54	-39.83
	2670.000	BPSK	Full RB	0	-32.04	-34.67	-39.72	-42.23
50 MHz	2592.990	BPSK	Full RB	0	-34.73	-34.37	-40.93	-42.42
	2664.990	BPSK	Full RB	0	-38.45	-39.22	-42.01	-47.38
60 MHz	2592.990	BPSK	Full RB	0	-34.60	-34.58	-40.59	-41.78
	2659.980	BPSK	Full RB	0	-37.03	-37.40	-42.20	-50.63
70 MHz	2592.990	BPSK	Full RB	0	-35.00	-35.14	-42.04	-41.82
	2655.000	BPSK	Full RB	0	-34.75	-35.59	-41.49	-56.30
80 MHz	2592.990	BPSK	Full RB	0	-35.34	-34.64	-44.71	-44.88
	2649.990	BPSK	Full RB	0	-36.43	-36.18	-41.29	-56.80
90 MHz	2592.990	BPSK	Full RB	0	-35.51	-36.05	-56.66	-41.24
	2644.980	BPSK	Full RB	0	-34.32	-35.93	-39.10	-56.61
100 MHz	2592.990	BPSK	Full RB	0	-34.13	-37.06	-56.64	-47.96
	2640.000	BPSK	Full RB	0	-35.77	-35.97	-42.63	-57.23
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 336 ~ 467. (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. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2501.010	100 %	+20(Ref)	2501 009 995	0.0	0.000 000	0.000
	100 %	-30	2501 009 993	-2.5	0.000 000	-0.001
	100 %	-20	2501 009 990	-5.1	0.000 000	-0.002
	100 %	-10	2501 009 992	-3.3	0.000 000	-0.001
	100 %	0	2501 009 990	-4.8	0.000 000	-0.002
	100 %	+10	2501 009 991	-4.0	0.000 000	-0.002
	100 %	+30	2501 009 992	-2.9	0.000 000	-0.001
	100 %	+40	2501 009 988	-7.2	0.000 000	-0.003
	100 %	+50	2501 009 991	-3.6	0.000 000	-0.001
	Batt. Endpoint	+20	2501 009 990	-4.8	0.000 000	-0.002
2505.000	100 %	+20(Ref)	2504 999 997	0.0	0.000 000	0.000
	100 %	-30	2504 999 996	-1.0	0.000 000	0.000
	100 %	-20	2504 999 991	-5.2	0.000 000	-0.002
	100 %	-10	2504 999 991	-5.7	0.000 000	-0.002
	100 %	0	2504 999 996	-1.0	0.000 000	0.000
	100 %	+10	2504 999 992	-4.5	0.000 000	-0.002
	100 %	+30	2504 999 994	-2.6	0.000 000	-0.001
	100 %	+40	2504 999 992	-4.2	0.000 000	-0.002
	100 %	+50	2504 999 992	-4.9	0.000 000	-0.002
	Batt. Endpoint	+20	2504 999 995	-1.5	0.000 000	-0.001
2685.000	100 %	+20(Ref)	2684 999 990	0.0	0.000 000	0.000
	100 %	-30	2684 999 984	-6.0	0.000 000	-0.002
	100 %	-20	2684 999 976	-14.5	-0.000 001	-0.005
	100 %	-10	2684 999 975	-15.1	-0.000 001	-0.006
	100 %	0	2684 999 982	-7.9	0.000 000	-0.003
	100 %	+10	2684 999 983	-7.2	0.000 000	-0.003
	100 %	+30	2684 999 984	-5.8	0.000 000	-0.002
	100 %	+40	2684 999 987	-3.0	0.000 000	-0.001
	100 %	+50	2684 999 980	-9.8	0.000 000	-0.004
	Batt. Endpoint	+20	2684 999 978	-12.1	0.000 000	-0.005

- ▣ BandWidth: 15 MHz
- ▣ Voltage(100 %): 3.880 VDC
- ▣ Batt. Endpoint: 3.300 VDC
- ▣ LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2503.500	100 %	+20(Ref)	2503 499 997	0.0	0.000 000	0.000
	100 %	-30	2503 499 992	-4.5	0.000 000	-0.002
	100 %	-20	2503 499 994	-2.6	0.000 000	-0.001
	100 %	-10	2503 499 993	-4.0	0.000 000	-0.002
	100 %	0	2503 499 992	-4.6	0.000 000	-0.002
	100 %	+10	2503 499 995	-1.9	0.000 000	-0.001
	100 %	+30	2503 499 992	-5.1	0.000 000	-0.002
	100 %	+40	2503 499 994	-3.2	0.000 000	-0.001
	100 %	+50	2503 499 993	-4.2	0.000 000	-0.002
	Batt. Endpoint	+20	2503 499 993	-3.6	0.000 000	-0.001
2507.520	100%	+20(Ref)	2507 519 996	0.0	0.000 000	0.000
	100%	-30	2507 519 993	-3.6	0.000 000	-0.001
	100%	-20	2507 519 993	-3.6	0.000 000	-0.001
	100%	-10	2507 519 991	-4.9	0.000 000	-0.002
	100%	0	2507 519 994	-2.6	0.000 000	-0.001
	100%	+10	2507 519 993	-2.9	0.000 000	-0.001
	100%	+30	2507 519 993	-3.0	0.000 000	-0.001
	100%	+40	2507 519 996	-0.6	0.000 000	0.000
	100%	+50	2507 519 991	-5.1	0.000 000	-0.002
	Batt. Endpoint	+20	2507 519 992	-4.0	0.000 000	-0.002
2682.480	100 %	+20(Ref)	2682 480 007	0.0	0.000 000	0.000
	100 %	-30	2682 480 001	-5.5	0.000 000	-0.002
	100 %	-20	2682 480 009	2.3	0.000 000	0.001
	100 %	-10	2682 480 010	3.3	0.000 000	0.001
	100 %	0	2682 480 007	0.3	0.000 000	0.000
	100 %	+10	2682 480 006	-0.4	0.000 000	0.000
	100 %	+30	2682 480 007	0.0	0.000 000	0.000
	100 %	+40	2682 480 010	3.3	0.000 000	0.001
	100 %	+50	2682 480 008	1.6	0.000 000	0.001
	Batt. Endpoint	+20	2682 480 006	-1.0	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. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2506.020	100 %	+20(Ref)	2506 019 998	0.0	0.000 000	0.000
	100 %	-30	2506 019 996	-2.0	0.000 000	-0.001
	100 %	-20	2506 019 993	-4.5	0.000 000	-0.002
	100 %	-10	2506 019 996	-1.5	0.000 000	-0.001
	100 %	0	2506 019 997	-0.6	0.000 000	0.000
	100 %	+10	2506 019 997	-1.2	0.000 000	0.000
	100 %	+30	2506 019 994	-3.9	0.000 000	-0.002
	100 %	+40	2506 019 997	-1.2	0.000 000	0.000
	100 %	+50	2506 019 997	-0.5	0.000 000	0.000
	Batt. Endpoint	+20	2506 019 995	-2.4	0.000 000	-0.001
2510.010	100 %	+20(Ref)	2510 009 996	0.0	0.000 000	0.000
	100 %	-30	2510 009 992	-3.8	0.000 000	-0.002
	100 %	-20	2510 009 992	-3.5	0.000 000	-0.001
	100 %	-10	2510 009 991	-4.5	0.000 000	-0.002
	100 %	0	2510 009 991	-4.6	0.000 000	-0.002
	100 %	+10	2510 009 988	-7.9	0.000 000	-0.003
	100 %	+30	2510 009 990	-5.8	0.000 000	-0.002
	100 %	+40	2510 009 991	-5.0	0.000 000	-0.002
	100 %	+50	2510 009 991	-5.3	0.000 000	-0.002
	Batt. Endpoint	+20	2510 009 994	-2.0	0.000 000	-0.001
2679.990	100 %	+20(Ref)	2679 989 998	0.0	0.000 000	0.000
	100 %	-30	2679 989 996	-1.3	0.000 000	0.000
	100 %	-20	2679 989 997	-0.3	0.000 000	0.000
	100 %	-10	2679 989 994	-3.4	0.000 000	-0.001
	100 %	0	2679 989 994	-3.9	0.000 000	-0.001
	100 %	+10	2679 989 997	-0.4	0.000 000	0.000
	100 %	+30	2679 989 992	-5.9	0.000 000	-0.002
	100 %	+40	2679 989 995	-2.4	0.000 000	-0.001
	100 %	+50	2679 989 993	-4.5	0.000 000	-0.002
	Batt. Endpoint	+20	2679 989 998	0.5	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. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2508.510	100 %	+20(Ref)	2508 509 998	0.0	0.000 000	0.000
	100 %	-30	2508 509 990	-7.5	0.000 000	-0.003
	100 %	-20	2508 509 991	-6.2	0.000 000	-0.002
	100 %	-10	2508 509 995	-2.8	0.000 000	-0.001
	100 %	0	2508 509 995	-3.1	0.000 000	-0.001
	100 %	+10	2508 509 995	-2.6	0.000 000	-0.001
	100 %	+30	2508 509 993	-4.9	0.000 000	-0.002
	100 %	+40	2508 509 995	-2.8	0.000 000	-0.001
	100 %	+50	2508 509 993	-4.6	0.000 000	-0.002
	Batt. Endpoint	+20	2508 509 992	-5.3	0.000 000	-0.002
2512.500	100 %	+20(Ref)	2512 499 997	0.0	0.000 000	0.000
	100 %	-30	2512 499 993	-4.1	0.000 000	-0.002
	100 %	-20	2512 499 992	-4.4	0.000 000	-0.002
	100 %	-10	2512 499 993	-4.1	0.000 000	-0.002
	100 %	0	2512 499 989	-7.5	0.000 000	-0.003
	100 %	+10	2512 499 993	-3.8	0.000 000	-0.002
	100 %	+30	2512 499 993	-4.1	0.000 000	-0.002
	100 %	+40	2512 499 990	-7.0	0.000 000	-0.003
	100 %	+50	2512 499 990	-6.6	0.000 000	-0.003
	Batt. Endpoint	+20	2512 499 993	-3.6	0.000 000	-0.001
2677.500	100 %	+20(Ref)	2677 500 001	0.0	0.000 000	0.000
	100 %	-30	2677 499 998	-3.3	0.000 000	-0.001
	100 %	-20	2677 499 996	-4.9	0.000 000	-0.002
	100 %	-10	2677 499 996	-5.1	0.000 000	-0.002
	100 %	0	2677 499 995	-6.6	0.000 000	-0.002
	100 %	+10	2677 499 995	-6.1	0.000 000	-0.002
	100 %	+30	2677 499 997	-4.5	0.000 000	-0.002
	100 %	+40	2677 499 993	-7.8	0.000 000	-0.003
	100 %	+50	2677 499 998	-3.0	0.000 000	-0.001
	Batt. Endpoint	+20	2677 499 996	-4.9	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. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2511.000	100 %	+20(Ref)	2510 999 999	0.0	0.000 000	0.000
	100 %	-30	2510 999 991	-7.5	0.000 000	-0.003
	100 %	-20	2510 999 994	-4.5	0.000 000	-0.002
	100 %	-10	2510 999 996	-2.7	0.000 000	-0.001
	100 %	0	2510 999 994	-4.4	0.000 000	-0.002
	100 %	+10	2510 999 995	-3.5	0.000 000	-0.001
	100 %	+30	2510 999 994	-4.4	0.000 000	-0.002
	100 %	+40	2510 999 990	-8.3	0.000 000	-0.003
	100 %	+50	2510 999 995	-3.8	0.000 000	-0.002
	Batt. Endpoint	+20	2510 999 997	-1.9	0.000 000	-0.001
2515.020	100 %	+20(Ref)	2515 019 998	0.0	0.000 000	0.000
	100 %	-30	2515 019 993	-4.4	0.000 000	-0.002
	100 %	-20	2515 019 997	-1.2	0.000 000	0.000
	100 %	-10	2515 019 997	-1.2	0.000 000	0.000
	100 %	0	2515 019 994	-4.4	0.000 000	-0.002
	100 %	+10	2515 019 997	-1.2	0.000 000	0.000
	100 %	+30	2515 019 995	-3.3	0.000 000	-0.001
	100 %	+40	2515 019 997	-1.3	0.000 000	-0.001
	100 %	+50	2515 019 994	-3.7	0.000 000	-0.001
	Batt. Endpoint	+20	2515 019 996	-1.7	0.000 000	-0.001
2674.980	100 %	+20(Ref)	2674 980 001	0.0	0.000 000	0.000
	100 %	-30	2674 980 000	-1.4	0.000 000	-0.001
	100 %	-20	2674 980 001	-0.4	0.000 000	0.000
	100 %	-10	2674 979 999	-2.7	0.000 000	-0.001
	100 %	0	2674 980 001	-0.5	0.000 000	0.000
	100 %	+10	2674 980 001	-1.0	0.000 000	0.000
	100 %	+30	2674 980 007	5.2	0.000 000	0.002
	100 %	+40	2674 980 004	2.0	0.000 000	0.001
	100 %	+50	2674 980 003	1.1	0.000 000	0.000
	Batt. Endpoint	+20	2674 980 007	5.3	0.000 000	0.002

- ▣ BandWidth: 40 MHz
- ▣ Voltage(100 %): 3.880 VDC
- ▣ Batt. Endpoint: 3.300 VDC
- ▣ LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2516.010	100 %	+20(Ref)	2516 009 993	0.0	0.000 000	0.000
	100 %	-30	2516 009 987	-6.7	0.000 000	-0.003
	100 %	-20	2516 009 987	-6.4	0.000 000	-0.003
	100 %	-10	2516 009 983	-10.4	0.000 000	-0.004
	100 %	0	2516 009 986	-7.3	0.000 000	-0.003
	100 %	+10	2516 009 988	-5.1	0.000 000	-0.002
	100 %	+30	2516 009 990	-3.0	0.000 000	-0.001
	100 %	+40	2516 009 984	-9.0	0.000 000	-0.004
	100 %	+50	2516 009 988	-5.8	0.000 000	-0.002
	Batt. Endpoint	+20	2516 009 982	-11.8	0.000 000	-0.005
2520.000	100 %	+20(Ref)	2519 999 997	0.0	0.000 000	0.000
	100 %	-30	2519 999 993	-4.4	0.000 000	-0.002
	100 %	-20	2519 999 994	-3.3	0.000 000	-0.001
	100 %	-10	2519 999 995	-2.1	0.000 000	-0.001
	100 %	0	2519 999 993	-4.8	0.000 000	-0.002
	100 %	+10	2519 999 995	-2.4	0.000 000	-0.001
	100 %	+30	2519 999 996	-1.2	0.000 000	0.000
	100 %	+40	2519 999 993	-4.2	0.000 000	-0.002
	100 %	+50	2519 999 995	-2.2	0.000 000	-0.001
	Batt. Endpoint	+20	2519 999 994	-3.2	0.000 000	-0.001
2670.000	100 %	+20(Ref)	2670 000 000	0.0	0.000 000	0.000
	100 %	-30	2670 000 003	2.6	0.000 000	0.001
	100 %	-20	2669 999 999	-0.8	0.000 000	0.000
	100 %	-10	2670 000 002	1.5	0.000 000	0.001
	100 %	0	2670 000 002	1.6	0.000 000	0.001
	100 %	+10	2670 000 007	7.0	0.000 000	0.003
	100 %	+30	2670 000 004	4.3	0.000 000	0.002
	100 %	+40	2669 999 999	-0.8	0.000 000	0.000
	100 %	+50	2670 000 002	2.2	0.000 000	0.001
	Batt. Endpoint	+20	2670 000 000	0.4	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. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2521.020	100 %	+20(Ref)	2521 019 992	0.0	0.000 000	0.000
	100 %	-30	2521 019 983	-8.6	0.000 000	-0.003
	100 %	-20	2521 019 981	-10.6	0.000 000	-0.004
	100 %	-10	2521 019 982	-10.5	0.000 000	-0.004
	100 %	0	2521 019 985	-7.1	0.000 000	-0.003
	100 %	+10	2521 019 984	-8.0	0.000 000	-0.003
	100 %	+30	2521 019 983	-8.8	0.000 000	-0.003
	100 %	+40	2521 019 981	-11.4	0.000 000	-0.005
	100 %	+50	2521 019 984	-7.8	0.000 000	-0.003
	Batt. Endpoint	+20	2521 019 986	-6.4	0.000 000	-0.003
2525.010	100 %	+20(Ref)	2525 009 997	0.0	0.000 000	0.000
	100 %	-30	2525 009 997	-0.1	0.000 000	0.000
	100 %	-20	2525 009 994	-2.8	0.000 000	-0.001
	100 %	-10	2525 009 996	-1.2	0.000 000	0.000
	100 %	0	2525 009 995	-2.4	0.000 000	-0.001
	100 %	+10	2525 009 991	-5.9	0.000 000	-0.002
	100 %	+30	2525 009 995	-1.8	0.000 000	-0.001
	100 %	+40	2525 009 993	-3.8	0.000 000	-0.002
	100 %	+50	2525 009 993	-4.1	0.000 000	-0.002
	Batt. Endpoint	+20	2525 009 994	-2.5	0.000 000	-0.001
2664.990	100 %	+20(Ref)	2664 990 001	0.0	0.000 000	0.000
	100 %	-30	2664 989 996	-4.7	0.000 000	-0.002
	100 %	-20	2664 989 997	-4.3	0.000 000	-0.002
	100 %	-10	2664 990 001	-0.3	0.000 000	0.000
	100 %	0	2664 990 000	-1.1	0.000 000	0.000
	100 %	+10	2664 989 998	-3.1	0.000 000	-0.001
	100 %	+30	2664 990 001	-0.4	0.000 000	0.000
	100 %	+40	2664 990 000	-1.2	0.000 000	0.000
	100 %	+50	2664 990 003	1.4	0.000 000	0.001
	Batt. Endpoint	+20	2664 989 997	-3.7	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. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2526.000	100 %	+20(Ref)	2525 999 991	0.0	0.000 000	0.000
	100 %	-30	2525 999 983	-7.2	0.000 000	-0.003
	100 %	-20	2525 999 986	-4.8	0.000 000	-0.002
	100 %	-10	2525 999 985	-5.8	0.000 000	-0.002
	100 %	0	2525 999 988	-2.3	0.000 000	-0.001
	100 %	+10	2525 999 981	-9.2	0.000 000	-0.004
	100 %	+30	2525 999 986	-4.2	0.000 000	-0.002
	100 %	+40	2525 999 981	-9.5	0.000 000	-0.004
	100 %	+50	2525 999 987	-3.7	0.000 000	-0.001
	Batt. Endpoint	+20	2525 999 988	-2.7	0.000 000	-0.001
2530.020	100 %	+20(Ref)	2530 019 996	0.0	0.000 000	0.000
	100 %	-30	2530 019 994	-1.2	0.000 000	0.000
	100 %	-20	2530 019 993	-2.8	0.000 000	-0.001
	100 %	-10	2530 019 991	-4.3	0.000 000	-0.002
	100 %	0	2530 019 993	-2.1	0.000 000	-0.001
	100 %	+10	2530 019 993	-2.4	0.000 000	-0.001
	100 %	+30	2530 019 992	-3.2	0.000 000	-0.001
	100 %	+40	2530 019 993	-2.7	0.000 000	-0.001
	100 %	+50	2530 019 994	-1.8	0.000 000	-0.001
	Batt. Endpoint	+20	2530 019 994	-1.7	0.000 000	-0.001
2659.980	100 %	+20(Ref)	2659 979 995	0.0	0.000 000	0.000
	100 %	-30	2659 979 993	-2.4	0.000 000	-0.001
	100 %	-20	2659 979 991	-4.1	0.000 000	-0.002
	100 %	-10	2659 979 995	-0.1	0.000 000	0.000
	100 %	0	2659 979 994	-1.2	0.000 000	0.000
	100 %	+10	2659 979 990	-4.8	0.000 000	-0.002
	100 %	+30	2659 979 988	-7.0	0.000 000	-0.003
	100 %	+40	2659 979 998	3.1	0.000 000	0.001
	100 %	+50	2659 979 992	-3.2	0.000 000	-0.001
	Batt. Endpoint	+20	2659 979 988	-6.9	0.000 000	-0.003

- ▣ BandWidth: 70 MHz
- ▣ Voltage(100 %): 3.880 VDC
- ▣ Batt. Endpoint: 3.300 VDC
- ▣ LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2531.010	100 %	+20(Ref)	2531 009 990	0.0	0.000 000	0.000
	100 %	-30	2531 009 981	-9.3	0.000 000	-0.004
	100 %	-20	2531 009 984	-5.6	0.000 000	-0.002
	100 %	-10	2531 009 983	-7.3	0.000 000	-0.003
	100 %	0	2531 009 980	-9.7	0.000 000	-0.004
	100 %	+10	2531 009 982	-8.0	0.000 000	-0.003
	100 %	+30	2531 009 978	-11.8	0.000 000	-0.005
	100 %	+40	2531 009 985	-4.7	0.000 000	-0.002
	100 %	+50	2531 009 983	-7.4	0.000 000	-0.003
	Batt. Endpoint	+20	2531 009 979	-10.6	0.000 000	-0.004
2535.000	100 %	+20(Ref)	2534 999 997	0.0	0.000 000	0.000
	100 %	-30	2534 999 994	-3.2	0.000 000	-0.001
	100 %	-20	2534 999 991	-6.4	0.000 000	-0.003
	100 %	-10	2534 999 995	-2.4	0.000 000	-0.001
	100 %	0	2534 999 993	-4.2	0.000 000	-0.002
	100 %	+10	2534 999 992	-5.7	0.000 000	-0.002
	100 %	+30	2534 999 992	-5.7	0.000 000	-0.002
	100 %	+40	2534 999 993	-4.1	0.000 000	-0.002
	100 %	+50	2534 999 993	-4.3	0.000 000	-0.002
	Batt. Endpoint	+20	2534 999 992	-5.3	0.000 000	-0.002
2655.000	100 %	+20(Ref)	2655 000 000	0.0	0.000 000	0.000
	100 %	-30	2655 000 000	-0.5	0.000 000	0.000
	100 %	-20	2655 000 000	-0.5	0.000 000	0.000
	100 %	-10	2654 999 998	-1.7	0.000 000	-0.001
	100 %	0	2655 000 001	1.2	0.000 000	0.000
	100 %	+10	2654 999 999	-0.9	0.000 000	0.000
	100 %	+30	2654 999 999	-1.0	0.000 000	0.000
	100 %	+40	2655 000 001	0.4	0.000 000	0.000
	100 %	+50	2654 999 999	-1.2	0.000 000	0.000
	Batt. Endpoint	+20	2655 000 000	-0.6	0.000 000	0.000

- ▣ BandWidth: 80 MHz
- ▣ Voltage(100 %): 3.880 VDC
- ▣ Batt. Endpoint: 3.300 VDC
- ▣ LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2536.020	100 %	+20(Ref)	2536 020 003	0.0	0.000 000	0.000
	100 %	-30	2536 020 005	1.7	0.000 000	0.001
	100 %	-20	2536 020 002	-1.1	0.000 000	0.000
	100 %	-10	2536 019 999	-4.1	0.000 000	-0.002
	100 %	0	2536 019 997	-5.7	0.000 000	-0.002
	100 %	+10	2536 019 997	-5.7	0.000 000	-0.002
	100 %	+30	2536 020 003	-0.2	0.000 000	0.000
	100 %	+40	2536 020 001	-2.1	0.000 000	-0.001
	100 %	+50	2536 020 000	-2.8	0.000 000	-0.001
	Batt. Endpoint	+20	2536 020 000	-2.7	0.000 000	-0.001
2540.010	100 %	+20(Ref)	2540 009 997	0.0	0.000 000	0.000
	100 %	-30	2540 009 995	-1.7	0.000 000	-0.001
	100 %	-20	2540 009 992	-5.0	0.000 000	-0.002
	100 %	-10	2540 009 993	-3.9	0.000 000	-0.002
	100 %	0	2540 009 992	-4.8	0.000 000	-0.002
	100 %	+10	2540 009 994	-2.9	0.000 000	-0.001
	100 %	+30	2540 009 991	-5.6	0.000 000	-0.002
	100 %	+40	2540 009 994	-2.9	0.000 000	-0.001
	100 %	+50	2540 009 994	-3.0	0.000 000	-0.001
	Batt. Endpoint	+20	2540 009 993	-3.7	0.000 000	-0.001
2649.990	100 %	+20(Ref)	2649 990 003	0.0	0.000 000	0.000
	100 %	-30	2649 990 010	7.5	0.000 000	0.003
	100 %	-20	2649 990 004	1.0	0.000 000	0.000
	100 %	-10	2649 990 001	-1.4	0.000 000	-0.001
	100 %	0	2649 990 006	3.3	0.000 000	0.001
	100 %	+10	2649 990 006	3.0	0.000 000	0.001
	100 %	+30	2649 990 003	0.5	0.000 000	0.000
	100 %	+40	2649 990 009	6.4	0.000 000	0.002
	100 %	+50	2649 990 005	2.9	0.000 000	0.001
	Batt. Endpoint	+20	2649 990 007	4.2	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. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2541.000	100 %	+20(Ref)	2540 999 989	0.0	0.000 000	0.000
	100 %	-30	2540 999 978	-11.2	0.000 000	-0.004
	100 %	-20	2540 999 974	-14.8	-0.000 001	-0.006
	100 %	-10	2540 999 974	-14.8	-0.000 001	-0.006
	100 %	0	2540 999 977	-12.5	0.000 000	-0.005
	100 %	+10	2540 999 979	-9.9	0.000 000	-0.004
	100 %	+30	2540 999 977	-11.8	0.000 000	-0.005
	100 %	+40	2540 999 977	-11.7	0.000 000	-0.005
	100 %	+50	2540 999 981	-8.2	0.000 000	-0.003
	Batt. Endpoint	+20	2540 999 978	-11.5	0.000 000	-0.005
2545.020	100 %	+20(Ref)	2545 019 995	0.0	0.000 000	0.000
	100 %	-30	2545 019 991	-4.0	0.000 000	-0.002
	100 %	-20	2545 019 989	-5.9	0.000 000	-0.002
	100 %	-10	2545 019 990	-5.4	0.000 000	-0.002
	100 %	0	2545 019 990	-5.1	0.000 000	-0.002
	100 %	+10	2545 019 990	-4.9	0.000 000	-0.002
	100 %	+30	2545 019 990	-4.8	0.000 000	-0.002
	100 %	+40	2545 019 988	-6.6	0.000 000	-0.003
	100 %	+50	2545 019 990	-4.8	0.000 000	-0.002
	Batt. Endpoint	+20	2545 019 989	-5.7	0.000 000	-0.002
2644.980	100 %	+20(Ref)	2644 980 000	0.0	0.000 000	0.000
	100 %	-30	2644 980 003	2.6	0.000 000	0.001
	100 %	-20	2644 980 000	-0.2	0.000 000	0.000
	100 %	-10	2644 980 000	-0.2	0.000 000	0.000
	100 %	0	2644 979 995	-5.5	0.000 000	-0.002
	100 %	+10	2644 980 001	0.6	0.000 000	0.000
	100 %	+30	2644 980 005	5.1	0.000 000	0.002
	100 %	+40	2644 979 999	-1.3	0.000 000	-0.001
	100 %	+50	2644 979 998	-1.6	0.000 000	-0.001
	Batt. Endpoint	+20	2644 980 001	0.8	0.000 000	0.000

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

Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2546.010	100 %	+20(Ref)	2546 009 999	0.0	0.000 000	0.000
	100 %	-30	2546 009 991	-8.2	0.000 000	-0.003
	100 %	-20	2546 009 994	-4.7	0.000 000	-0.002
	100 %	-10	2546 009 996	-3.1	0.000 000	-0.001
	100 %	0	2546 009 994	-4.5	0.000 000	-0.002
	100 %	+10	2546 009 996	-2.4	0.000 000	-0.001
	100 %	+30	2546 009 990	-8.3	0.000 000	-0.003
	100 %	+40	2546 009 995	-4.1	0.000 000	-0.002
	100 %	+50	2546 009 997	-1.5	0.000 000	-0.001
	Batt. Endpoint	+20	2546 009 998	-1.0	0.000 000	0.000
2550.000	100 %	+20(Ref)	2549 999 998	0.0	0.000 000	0.000
	100 %	-30	2549 999 992	-5.2	0.000 000	-0.002
	100 %	-20	2549 999 992	-5.7	0.000 000	-0.002
	100 %	-10	2549 999 994	-3.4	0.000 000	-0.001
	100 %	0	2549 999 993	-4.8	0.000 000	-0.002
	100 %	+10	2549 999 993	-4.3	0.000 000	-0.002
	100 %	+30	2549 999 991	-6.7	0.000 000	-0.003
	100 %	+40	2549 999 995	-2.4	0.000 000	-0.001
	100 %	+50	2549 999 991	-6.7	0.000 000	-0.003
	Batt. Endpoint	+20	2549 999 994	-4.0	0.000 000	-0.002
2640.000	100 %	+20(Ref)	2639 999 999	0.0	0.000 000	0.000
	100 %	-30	2639 999 996	-2.8	0.000 000	-0.001
	100 %	-20	2639 999 998	-0.4	0.000 000	0.000
	100 %	-10	2640 000 003	4.2	0.000 000	0.002
	100 %	0	2640 000 003	4.2	0.000 000	0.002
	100 %	+10	2639 999 995	-3.7	0.000 000	-0.001
	100 %	+30	2639 999 990	-8.3	0.000 000	-0.003
	100 %	+40	2639 999 997	-1.2	0.000 000	0.000
	100 %	+50	2640 000 003	4.4	0.000 000	0.002
	Batt. Endpoint	+20	2639 999 996	-2.6	0.000 000	-0.001

9. TEST DATA(Sub 2 ANT)

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(38) / 10 MHz [30 kHz]	PI/2 BPSK	-23.66	13.14	10.61	2.50	V	< 2.00	0.133	21.25	1	12
		QPSK	-23.65	13.15	10.61	2.50	V		0.134	21.26		
		16-QAM	-24.53	12.27	10.61	2.50	V		0.109	20.38		
		64-QAM	-26.00	10.80	10.61	2.50	V		0.078	18.91		
		256-QAM	-28.17	8.63	10.61	2.50	V		0.047	16.74		
2505.000		PI/2 BPSK	-23.61	13.25	10.58	2.51	V		0.136	21.32	1	22
		QPSK	-23.63	13.23	10.58	2.51	V		0.135	21.30		
		16-QAM	-24.76	12.10	10.58	2.51	V		0.104	20.17		
		64-QAM	-26.11	10.75	10.58	2.51	V		0.076	18.82		
		256-QAM	-28.15	8.71	10.58	2.51	V		0.048	16.78		
2592.990		PI/2 BPSK	-22.19	14.52	11.00	2.55	H		0.198	22.97	1	12
		QPSK	-22.32	14.39	11.00	2.55	H		0.192	22.84		
		16-QAM	-23.27	13.44	11.00	2.55	H		0.155	21.89		
		64-QAM	-24.78	11.93	11.00	2.55	H		0.109	20.38		
		256-QAM	-26.77	9.94	11.00	2.55	H		0.069	18.39		
2685.000		PI/2 BPSK	-24.14	13.42	10.82	2.61	H		0.146	21.63	1	12
		QPSK	-24.27	13.29	10.82	2.61	H		0.141	21.50		
		16-QAM	-25.16	12.40	10.82	2.61	H		0.115	20.61		
		64-QAM	-26.76	10.80	10.82	2.61	H		0.080	19.01		
		256-QAM	-28.70	8.86	10.82	2.61	H		0.051	17.07		

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(38) / 15 MHz [30 kHz]	PI/2 BPSK	-23.67	13.19	10.58	2.51	V	< 2.00	0.134	21.26	1	1
		QPSK	-23.65	13.21	10.58	2.51	V		0.134	21.28		
		16-QAM	-24.81	12.05	10.58	2.51	V		0.103	20.12		
		64-QAM	-26.28	10.58	10.58	2.51	V		0.073	18.65		
		256-QAM	-28.26	8.60	10.58	2.51	V		0.046	16.67		
2507.500		PI/2 BPSK	-23.57	13.35	10.55	2.51	V		0.138	21.39	1	19
		QPSK	-23.79	13.13	10.55	2.51	V		0.131	21.17		
		16-QAM	-24.74	12.18	10.55	2.51	V		0.105	20.22		
		64-QAM	-26.29	10.63	10.55	2.51	V		0.074	18.67		
		256-QAM	-28.20	8.72	10.55	2.51	V		0.047	16.76		
2592.990		PI/2 BPSK	-22.20	14.51	11.00	2.55	H		0.198	22.96	1	19
		QPSK	-22.25	14.46	11.00	2.55	H		0.195	22.91		
		16-QAM	-23.23	13.48	11.00	2.55	H		0.156	21.93		
		64-QAM	-24.75	11.96	11.00	2.55	H		0.110	20.41		
		256-QAM	-26.90	9.81	11.00	2.55	H		0.067	18.26		
2682.480		PI/2 BPSK	-24.14	13.53	10.84	2.61	H		0.150	21.76	1	1
		QPSK	-24.19	13.48	10.84	2.61	H		0.148	21.71		
		16-QAM	-25.18	12.49	10.84	2.61	H		0.118	20.72		
		64-QAM	-26.75	10.92	10.84	2.61	H		0.082	19.15		
		256-QAM	-28.79	8.88	10.84	2.61	H		0.051	17.11		

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(38) / 20 MHz [30 kHz]	PI/2 BPSK	-23.50	13.36	10.58	2.51	V	< 2.00	0.139	21.43	1	49
		QPSK	-23.45	13.41	10.58	2.51	V		0.141	21.48		
		16-QAM	-24.46	12.40	10.58	2.51	V		0.111	20.47		
		64-QAM	-26.06	10.80	10.58	2.51	V		0.077	18.87		
		256-QAM	-27.96	8.90	10.58	2.51	V		0.050	16.97		
2510.010		PI/2 BPSK	-23.50	13.42	10.55	2.51	V		0.140	21.46	1	49
		QPSK	-23.55	13.37	10.55	2.51	V		0.138	21.41		
		16-QAM	-24.60	12.32	10.55	2.51	V		0.109	20.36		
		64-QAM	-25.91	11.01	10.55	2.51	V		0.080	19.05		
		256-QAM	-28.04	8.88	10.55	2.51	V		0.049	16.92		
2592.990		PI/2 BPSK	-22.26	14.45	11.00	2.55	H		0.195	22.90	1	25
		QPSK	-22.36	14.35	11.00	2.55	H		0.191	22.80		
		16-QAM	-23.27	13.44	11.00	2.55	H		0.155	21.89		
		64-QAM	-24.75	11.96	11.00	2.55	H		0.110	20.41		
		256-QAM	-26.95	9.76	11.00	2.55	H		0.066	18.21		
2679.990		PI/2 BPSK	-24.17	13.50	10.84	2.61	H		0.149	21.73	1	25
		QPSK	-24.18	13.49	10.84	2.61	H		0.149	21.72		
		16-QAM	-25.12	12.55	10.84	2.61	H		0.120	20.78		
		64-QAM	-26.78	10.89	10.84	2.61	H		0.082	19.12		
		256-QAM	-28.57	9.10	10.84	2.61	H		0.054	17.33		

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(38) / 25 MHz [30 kHz]	PI/2 BPSK	-23.45	13.47	10.55	2.51	V	< 2.00	0.142	21.51	1	32
		QPSK	-23.52	13.40	10.55	2.51	V		0.139	21.44		
		16-QAM	-24.61	12.31	10.55	2.51	V		0.108	20.35		
		64-QAM	-25.96	10.96	10.55	2.51	V		0.079	19.00		
		256-QAM	-28.02	8.90	10.55	2.51	V		0.049	16.94		
2512.500		PI/2 BPSK	-23.49	13.44	10.52	2.53	V		0.139	21.43	1	63
		QPSK	-23.53	13.40	10.52	2.53	V		0.138	21.39		
		16-QAM	-24.52	12.41	10.52	2.53	V		0.110	20.40		
		64-QAM	-26.14	10.79	10.52	2.53	V		0.076	18.78		
		256-QAM	-28.06	8.87	10.52	2.53	V		0.049	16.86		
2592.990		PI/2 BPSK	-22.24	14.47	11.00	2.55	H		0.196	22.92	1	32
		QPSK	-22.31	14.40	11.00	2.55	H		0.193	22.85		
		16-QAM	-23.27	13.44	11.00	2.55	H		0.155	21.89		
		64-QAM	-24.91	11.80	11.00	2.55	H		0.106	20.25		
		256-QAM	-26.68	10.03	11.00	2.55	H		0.070	18.48		
2677.500		PI/2 BPSK	-24.00	13.67	10.84	2.61	H		0.155	21.90	1	32
		QPSK	-24.10	13.57	10.84	2.61	H		0.151	21.80		
		16-QAM	-25.14	12.53	10.84	2.61	H		0.119	20.76		
		64-QAM	-26.78	10.89	10.84	2.61	H		0.082	19.12		
		256-QAM	-28.58	9.09	10.84	2.61	H		0.054	17.32		

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(38) / 30 MHz [30 kHz]	PI/2 BPSK	-23.62	13.30	10.55	2.51	V	< 2.00	0.136	21.34	1	1
		QPSK	-23.61	13.31	10.55	2.51	V		0.136	21.35		
		16-QAM	-24.72	12.20	10.55	2.51	V		0.106	20.24		
		64-QAM	-26.25	10.67	10.55	2.51	V		0.074	18.71		
		256-QAM	-28.10	8.82	10.55	2.51	V		0.049	16.86		
2515.020		PI/2 BPSK	-23.42	13.51	10.52	2.53	V		0.141	21.50	1	39
		QPSK	-23.49	13.44	10.52	2.53	V		0.139	21.43		
		16-QAM	-24.36	12.57	10.52	2.53	V		0.114	20.56		
		64-QAM	-26.05	10.88	10.52	2.53	V		0.077	18.87		
		256-QAM	-27.91	9.02	10.52	2.53	V		0.050	17.01		
2592.990		PI/2 BPSK	-22.32	14.39	11.00	2.55	H		0.192	22.84	1	39
		QPSK	-22.44	14.27	11.00	2.55	H		0.187	22.72		
		16-QAM	-23.34	13.37	11.00	2.55	H		0.152	21.82		
		64-QAM	-24.80	11.91	11.00	2.55	H		0.109	20.36		
		256-QAM	-26.73	9.98	11.00	2.55	H		0.070	18.43		
2674.980		PI/2 BPSK	-24.19	13.10	10.85	2.62	H		0.136	21.33	1	1
		QPSK	-24.21	13.08	10.85	2.62	H		0.135	21.31		
		16-QAM	-25.30	11.99	10.85	2.62	H		0.105	20.22		
		64-QAM	-26.68	10.61	10.85	2.62	H		0.077	18.84		
		256-QAM	-28.79	8.50	10.85	2.62	H		0.047	16.73		

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(38) / 40 MHz [30 kHz]	PI/2 BPSK	-23.55	13.38	10.52	2.53	V	< 2.00	0.137	21.37	1	53
		QPSK	-23.59	13.34	10.52	2.53	V		0.136	21.33		
		16-QAM	-24.63	12.30	10.52	2.53	V		0.107	20.29		
		64-QAM	-26.08	10.85	10.52	2.53	V		0.077	18.84		
		256-QAM	-27.97	8.96	10.52	2.53	V		0.050	16.95		
2520.000		PI/2 BPSK	-23.44	13.49	10.49	2.54	V		0.139	21.44	1	53
		QPSK	-23.47	13.46	10.49	2.54	V		0.138	21.41		
		16-QAM	-24.54	12.39	10.49	2.54	V		0.108	20.34		
		64-QAM	-26.03	10.90	10.49	2.54	V		0.077	18.85		
		256-QAM	-27.93	9.00	10.49	2.54	V		0.050	16.95		
2592.990		PI/2 BPSK	-22.25	14.46	11.00	2.55	H		0.195	22.91	1	53
		QPSK	-22.28	14.43	11.00	2.55	H		0.194	22.88		
		16-QAM	-23.42	13.29	11.00	2.55	H		0.149	21.74		
		64-QAM	-24.79	11.92	11.00	2.55	H		0.109	20.37		
		256-QAM	-26.73	9.98	11.00	2.55	H		0.070	18.43		
2670.000		PI/2 BPSK	-23.80	13.10	10.87	2.62	H		0.136	21.35	1	1
		QPSK	-23.81	13.09	10.87	2.62	H		0.136	21.34		
		16-QAM	-24.82	12.08	10.87	2.62	H		0.108	20.33		
		64-QAM	-26.33	10.57	10.87	2.62	H		0.076	18.82		
		256-QAM	-28.31	8.59	10.87	2.62	H		0.048	16.84		

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	-23.51	13.42	10.49	2.54	V	< 2.00	0.137	21.37	1	66
		QPSK	-23.54	13.39	10.49	2.54	V		0.136	21.34		
		16-QAM	-24.66	12.27	10.49	2.54	V		0.105	20.22		
		64-QAM	-26.06	10.87	10.49	2.54	V		0.076	18.82		
		256-QAM	-27.93	9.00	10.49	2.54	V		0.050	16.95		
2525.010		-20.43	-23.48	13.15	10.52	2.54	V		0.130	21.13	1	131
		-20.50	-23.49	13.14	10.52	2.54	V		0.129	21.12		
		-21.70	-24.50	12.13	10.52	2.54	V		0.103	20.11		
		-22.96	-25.92	10.71	10.52	2.54	V		0.074	18.69		
		-25.24	-28.04	8.59	10.52	2.54	V		0.045	16.57		
2592.990		PI/2 BPSK	-22.25	14.46	11.00	2.55	H		0.195	22.91	1	66
		QPSK	-22.30	14.41	11.00	2.55	H		0.193	22.86		
		16-QAM	-23.32	13.39	11.00	2.55	H		0.153	21.84		
		64-QAM	-24.83	11.88	11.00	2.55	H		0.108	20.33		
		256-QAM	-26.78	9.93	11.00	2.55	H		0.069	18.38		
2664.990		PI/2 BPSK	-23.76	13.19	10.88	2.64	H		0.139	21.43	1	1
		QPSK	-23.79	13.16	10.88	2.64	H		0.138	21.40		
		16-QAM	-24.70	12.25	10.88	2.64	H		0.112	20.49		
		64-QAM	-26.26	10.69	10.88	2.64	H		0.078	18.93		
		256-QAM	-28.15	8.80	10.88	2.64	H		0.051	17.04		

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
2526.000	Sub6 41/ 60 MHz [30 kHz]	PI/2 BPSK	-23.53	13.10	10.52	2.54	V	< 2.00	0.128	21.08	1	1
		QPSK	-23.55	13.08	10.52	2.54	V		0.128	21.06		
		16-QAM	-24.49	12.14	10.52	2.54	V		0.103	20.12		
		64-QAM	-26.02	10.61	10.52	2.54	V		0.072	18.59		
		256-QAM	-27.89	8.74	10.52	2.54	V		0.047	16.72		
2530.020		PI/2 BPSK	-23.19	13.14	10.56	2.54	H		0.131	21.16	1	160
		QPSK	-23.21	13.12	10.56	2.54	H		0.130	21.14		
		16-QAM	-24.11	12.22	10.56	2.54	H		0.106	20.24		
		64-QAM	-25.63	10.70	10.56	2.54	H		0.074	18.72		
		256-QAM	-27.68	8.65	10.56	2.54	H		0.046	16.67		
2592.990		PI/2 BPSK	-22.17	14.54	11.00	2.55	H		0.199	22.99	1	82
		QPSK	-22.18	14.53	11.00	2.55	H		0.199	22.98		
		16-QAM	-23.25	13.46	11.00	2.55	H		0.155	21.91		
		64-QAM	-24.80	11.91	11.00	2.55	H		0.109	20.36		
		256-QAM	-26.61	10.10	11.00	2.55	H		0.072	18.55		
2659.980		PI/2 BPSK	-23.37	13.64	10.90	2.67	H		0.154	21.87	1	1
		QPSK	-23.38	13.63	10.90	2.67	H		0.153	21.86		
		16-QAM	-24.17	12.84	10.90	2.67	H		0.128	21.07		
		64-QAM	-25.80	11.21	10.90	2.67	H		0.088	19.44		
		256-QAM	-27.96	9.05	10.90	2.67	H		0.053	17.28		

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
2531.010	Sub6 41/ 70 MHz [30 kHz]	PI/2 BPSK	-22.79	13.54	10.56	2.54	H	< 2.00	0.143	21.56	1	187
		QPSK	-22.80	13.53	10.56	2.54	H		0.143	21.55		
		16-QAM	-23.81	12.52	10.56	2.54	H		0.113	20.54		
		64-QAM	-25.31	11.02	10.56	2.54	H		0.080	19.04		
		256-QAM	-27.25	9.08	10.56	2.54	H		0.051	17.10		
2535.000		PI/2 BPSK	-23.02	13.44	10.59	2.54	H		0.141	21.49	1	187
		QPSK	-23.05	13.41	10.59	2.54	H		0.140	21.46		
		16-QAM	-24.12	12.34	10.59	2.54	H		0.109	20.39		
		64-QAM	-25.58	10.88	10.59	2.54	H		0.078	18.93		
		256-QAM	-27.52	8.94	10.59	2.54	H		0.050	16.99		
2592.990		PI/2 BPSK	-22.17	14.54	11.00	2.55	H		0.199	22.99	1	94
		QPSK	-22.21	14.50	11.00	2.55	H		0.197	22.95		
		16-QAM	-23.06	13.65	11.00	2.55	H		0.162	22.10		
		64-QAM	-24.66	12.05	11.00	2.55	H		0.112	20.50		
		256-QAM	-26.76	9.95	11.00	2.55	H		0.069	18.40		
2655.000		PI/2 BPSK	-22.88	14.03	10.91	2.68	H		0.168	22.26	1	1
		QPSK	-22.90	14.01	10.91	2.68	H		0.167	22.24		
		16-QAM	-23.77	13.14	10.91	2.68	H		0.137	21.37		
		64-QAM	-25.39	11.52	10.91	2.68	H		0.094	19.75		
		256-QAM	-27.33	9.58	10.91	2.68	H		0.060	17.81		

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	-23.00	13.46	10.59	2.54	H	< 2.00	0.142	21.51	1	215
		QPSK	-23.06	13.40	10.59	2.54	H		0.140	21.45		
		16-QAM	-23.97	12.49	10.59	2.54	H		0.113	20.54		
		64-QAM	-25.54	10.92	10.59	2.54	H		0.079	18.97		
		256-QAM	-27.62	8.84	10.59	2.54	H		0.049	16.89		
2540.010		PI/2 BPSK	-22.77	13.81	10.62	2.53	H		0.155	21.90	1	215
		QPSK	-22.79	13.79	10.62	2.53	H		0.154	21.88		
		16-QAM	-23.77	12.81	10.62	2.53	H		0.123	20.90		
		64-QAM	-25.32	11.26	10.62	2.53	H		0.086	19.35		
		256-QAM	-27.27	9.31	10.62	2.53	H		0.055	17.40		
2592.990		PI/2 BPSK	-22.13	14.58	11.00	2.55	H		0.201	23.03	1	108
		QPSK	-22.19	14.52	11.00	2.55	H		0.198	22.97		
		16-QAM	-23.20	13.51	11.00	2.55	H		0.157	21.96		
		64-QAM	-24.68	12.03	11.00	2.55	H		0.112	20.48		
		256-QAM	-26.55	10.16	11.00	2.55	H		0.073	18.61		
2649.990		PI/2 BPSK	-22.88	13.91	10.93	2.69	H		0.164	22.15	1	1
		QPSK	-22.89	13.90	10.93	2.69	H		0.164	22.14		
		16-QAM	-23.78	13.01	10.93	2.69	H		0.133	21.25		
		64-QAM	-25.38	11.41	10.93	2.69	H		0.092	19.65		
		256-QAM	-27.36	9.43	10.93	2.69	H		0.058	17.67		

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
2541.000	Sub6 41/ 90 MHz [30 kHz]	PI/2 BPSK	-22.72	13.86	10.62	2.53	H	< 2.00	0.157	21.95	1	243
		QPSK	-22.73	13.85	10.62	2.53	H		0.156	21.94		
		16-QAM	-23.71	12.87	10.62	2.53	H		0.125	20.96		
		64-QAM	-25.21	11.37	10.62	2.53	H		0.088	19.46		
		256-QAM	-27.16	9.42	10.62	2.53	H		0.056	17.51		
2545.020		PI/2 BPSK	-22.51	14.04	10.66	2.53	H		0.165	22.17	1	243
		QPSK	-22.53	14.02	10.66	2.53	H		0.164	22.15		
		16-QAM	-23.48	13.07	10.66	2.53	H		0.132	21.20		
		64-QAM	-25.06	11.49	10.66	2.53	H		0.092	19.62		
		256-QAM	-27.01	9.54	10.66	2.53	H		0.058	17.67		
2592.990		PI/2 BPSK	-22.19	14.52	11.00	2.55	H		0.198	22.97	1	122
		QPSK	-22.21	14.50	11.00	2.55	H		0.197	22.95		
		16-QAM	-23.29	13.42	11.00	2.55	H		0.154	21.87		
		64-QAM	-24.62	12.09	11.00	2.55	H		0.113	20.54		
		256-QAM	-26.63	10.08	11.00	2.55	H		0.071	18.53		
2644.980		PI/2 BPSK	-22.51	14.60	10.95	2.68	H		0.194	22.87	1	1
		QPSK	-22.57	14.54	10.95	2.68	H		0.191	22.81		
		16-QAM	-23.55	13.56	10.95	2.68	H		0.152	21.83		
		64-QAM	-25.11	12.00	10.95	2.68	H		0.106	20.27		
		256-QAM	-27.06	10.05	10.95	2.68	H		0.068	18.32		

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	-22.48	14.07	10.66	2.53	H	< 2.00	0.166	22.20	1	271
		QPSK	-22.53	14.02	10.66	2.53	H		0.164	22.15		
		16-QAM	-23.51	13.04	10.66	2.53	H		0.131	21.17		
		64-QAM	-24.95	11.60	10.66	2.53	H		0.094	19.73		
		256-QAM	-27.14	9.41	10.66	2.53	H		0.057	17.54		
2550.000		PI/2 BPSK	-22.63	13.90	10.69	2.53	H		0.161	22.06	1	271
		QPSK	-22.64	13.89	10.69	2.53	H		0.160	22.05		
		16-QAM	-23.81	12.72	10.69	2.53	H		0.122	20.88		
		64-QAM	-25.29	11.24	10.69	2.53	H		0.087	19.40		
		256-QAM	-27.15	9.38	10.69	2.53	H		0.057	17.54		
2592.990		PI/2 BPSK	-22.17	14.54	11.00	2.55	H		0.199	22.99	1	136
		QPSK	-22.22	14.49	11.00	2.55	H		0.197	22.94		
		16-QAM	-23.11	13.60	11.00	2.55	H		0.160	22.05		
		64-QAM	-24.70	12.01	11.00	2.55	H		0.111	20.46		
		256-QAM	-26.58	10.13	11.00	2.55	H		0.072	18.58		
2640.000		PI/2 BPSK	-22.37	15.07	10.96	2.68	H		0.216	23.35	1	1
		QPSK	-22.39	15.05	10.96	2.68	H		0.215	23.33		
		16-QAM	-23.34	14.10	10.96	2.68	H		0.173	22.38		
		64-QAM	-24.98	12.46	10.96	2.68	H		0.119	20.74		
		256-QAM	-26.93	10.51	10.96	2.68	H		0.076	18.79		

9.2 RADIATED SPURIOUS EMISSIONS

NR Band:	<u>n41(38)</u>
Bandwidth:	<u>10 MHz</u>
Modulation:	<u>PI/2 BPSK</u>
Distance:	<u>1 meter</u>
SCS:	<u>30 kHz</u>

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	-61.83	11.22	-63.54	3.71	V	-56.03	-25.00	1	12
	7 503.03	-62.69	11.54	-55.26	4.60	V	-48.32	-25.00		
	10 004.04	-62.65	11.47	-53.25	5.47	V	-47.25	-25.00		
501000 (2505.000)	5 010.00	-63.47	11.18	-64.61	3.72	V	-57.15	-25.00	1	22
	7 515.00	-64.83	11.56	-57.25	4.60	V	-50.29	-25.00		
	10 020.00	-62.40	11.46	-52.72	5.47	V	-46.73	-25.00		
518598 (2592.990)	5 185.98	-60.53	11.61	-61.70	3.80	V	-53.89	-25.00	1	12
	7 778.97	-62.32	11.26	-55.25	4.70	V	-48.69	-25.00		
	10 371.96	-63.31	11.68	-52.22	5.55	V	-46.09	-25.00		
537000 (2685.000)	5 370.00	-59.85	11.96	-61.48	3.92	V	-53.44	-25.00	1	12
	8 055.00	-60.24	11.24	-52.96	4.81	V	-46.53	-25.00		
	10 740.00	-63.41	11.55	-51.39	5.64	V	-45.48	-25.00		

☐ NR Band: n41(38)
☐ 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	-61.57	11.20	-63.00	3.71	V	-55.51	-25.00	1	1
	7 510.50	-62.75	11.55	-55.21	4.60	V	-48.26	-25.00		
	10 014.00	-63.05	11.46	-53.66	5.47	V	-47.67	-25.00		
501504 (2507.500)	5 015.00	-63.62	11.17	-64.54	3.70	V	-57.07	-25.00	1	19
	7 522.50	-65.29	11.57	-57.64	4.61	V	-50.68	-25.00		
	10 030.00	-62.90	11.45	-53.86	5.47	V	-47.88	-25.00		
518598 (2592.990)	5 185.98	-61.00	11.61	-62.17	3.80	V	-54.36	-25.00	1	19
	7 778.97	-62.25	11.26	-55.18	4.70	V	-48.62	-25.00		
	10 371.96	-62.96	11.68	-51.87	5.55	V	-45.74	-25.00		
536496 (2682.480)	5 364.96	-59.69	11.95	-61.21	3.91	V	-53.17	-25.00	1	1
	8 047.44	-60.57	11.23	-53.35	4.81	V	-46.93	-25.00		
	10 729.92	-63.79	11.56	-51.72	5.65	V	-45.81	-25.00		

☐ NR Band: n41(38)
☐ 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	-62.19	11.18	-63.33	3.72	V	-55.87	-25.00	1	49
	7 518.06	-62.51	11.56	-54.87	4.61	V	-47.92	-25.00		
	10 024.08	-62.51	11.46	-53.16	5.47	V	-47.17	-25.00		
502002 (2510.010)	5 020.02	-63.90	11.17	-64.60	3.69	V	-57.12	-25.00	1	49
	7 530.03	-64.77	11.57	-57.11	4.60	V	-50.14	-25.00		
	10 040.04	-62.94	11.44	-53.48	5.49	V	-47.53	-25.00		
518598 (2592.990)	5 185.98	-60.27	11.61	-61.44	3.80	V	-53.63	-25.00	1	25
	7 778.97	-61.88	11.26	-54.81	4.70	V	-48.25	-25.00		
	10 371.96	-63.58	11.68	-52.49	5.55	V	-46.36	-25.00		
535998 (2679.990)	5 359.98	-59.96	11.95	-61.39	3.90	V	-53.34	-25.00	1	25
	8 039.97	-60.66	11.22	-53.35	4.80	V	-46.93	-25.00		
	10 719.96	-63.59	11.56	-51.94	5.64	V	-46.02	-25.00		

- NR Band: n41(38)
- 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	-61.64	11.17	-62.56	3.70	V	-55.09	-25.00	1	32
	7 525.53	-62.37	11.57	-54.72	4.61	V	-47.76	-25.00		
	10 034.04	-62.32	11.45	-53.08	5.48	V	-47.11	-25.00		
502500 (2512.500)	5 025.00	-63.48	11.18	-64.25	3.68	V	-56.75	-25.00	1	63
	7 537.50	-65.08	11.58	-57.55	4.61	V	-50.58	-25.00		
	10 050.00	-62.66	11.43	-53.46	5.48	V	-47.51	-25.00		
518598 (2592.990)	5 185.98	-60.32	11.61	-61.49	3.80	V	-53.68	-25.00	1	32
	7 778.97	-62.57	11.26	-55.50	4.70	V	-48.94	-25.00		
	10 371.96	-63.47	11.68	-52.38	5.55	V	-46.25	-25.00		
535500 (2677.500)	5 355.00	-59.85	11.94	-61.40	3.88	V	-53.34	-25.00	1	32
	8 032.50	-60.24	11.21	-52.95	4.80	V	-46.54	-25.00		
	10 710.00	-63.63	11.57	-51.91	5.65	V	-45.99	-25.00		

NR Band:	<u>n41(38)</u>
Bandwidth:	<u>30 MHz</u>
Modulation:	<u>PI/2 BPSK</u>
Distance:	<u>1 meter</u>
SCS:	<u>30 kHz</u>

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	-61.78	11.17	-62.48	3.69	V	-55.00	-25.00	1	1
	7 533.00	-62.78	11.57	-55.18	4.61	V	-48.22	-25.00		
	10 044.00	-62.75	11.44	-53.43	5.48	V	-47.47	-25.00		
503004 (2515.020)	5 030.04	-63.62	11.19	-64.46	3.67	V	-56.94	-25.00	1	39
	7 545.06	-64.86	11.58	-57.40	4.62	V	-50.44	-25.00		
	10 060.08	-62.79	11.42	-53.67	5.48	V	-47.73	-25.00		
518598 (2592.990)	5 185.98	-61.03	11.61	-62.20	3.80	V	-54.39	-25.00	1	39
	7 778.97	-62.48	11.26	-55.41	4.70	V	-48.85	-25.00		
	10 371.96	-62.86	11.68	-51.77	5.55	V	-45.64	-25.00		
534996 (2674.980)	5 349.96	-60.19	11.94	-61.88	3.85	V	-53.79	-25.00	1	1
	8 024.94	-60.69	11.20	-53.44	4.79	V	-47.03	-25.00		
	10 699.92	-63.51	11.57	-51.51	5.67	V	-45.61	-25.00		

■ NR Band:	<u>n41(38)</u>
■ Bandwidth:	<u>40 MHz</u>
■ Modulation:	<u>PI/2 BPSK</u>
■ Distance:	<u>1 meter</u>
■ SCS:	<u>30 kHz</u>

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	-61.81	11.19	-62.65	3.67	V	-55.13	-25.00	1	53
	7 548.03	-62.94	11.59	-55.57	4.63	V	-48.61	-25.00		
	10 064.04	-62.42	11.42	-53.20	5.47	V	-47.25	-25.00		
504000 (2520.000)	5 040.00	-63.44	11.20	-64.48	3.68	V	-56.96	-25.00	1	53
	7 560.00	-64.73	11.60	-57.19	4.64	V	-50.23	-25.00		
	10 080.00	-62.91	11.41	-53.90	5.47	V	-47.96	-25.00		
518598 (2592.990)	5 185.98	-60.76	11.61	-61.93	3.80	V	-54.12	-25.00	1	53
	7 778.97	-62.64	11.26	-55.57	4.70	V	-49.01	-25.00		
	10 371.96	-62.94	11.68	-51.85	5.55	V	-45.72	-25.00		
534000 (2670.000)	5 340.00	-59.61	11.93	-61.59	3.80	V	-53.46	-25.00	1	1
	8 010.00	-59.79	11.17	-52.47	4.77	V	-46.07	-25.00		
	10 680.00	-63.96	11.57	-51.38	5.71	V	-45.52	-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	-61.71	11.20	-62.75	3.68	V	-55.23	-25.00	1	66
	7 563.06	-63.03	11.60	-55.50	4.64	V	-48.54	-25.00		
	10 084.08	-62.48	11.40	-53.25	5.46	V	-47.31	-25.00		
505002 (2525.010)	5 050.02	-63.52	11.22	-64.99	3.73	V	-57.50	-25.00	1	131
	7 575.03	-64.68	11.61	-57.09	4.65	V	-50.13	-25.00		
	10 100.04	-62.62	11.39	-53.20	5.46	V	-47.27	-25.00		
518598 (2592.990)	5 185.98	-61.02	11.61	-62.19	3.80	V	-54.38	-25.00	1	66
	7 778.97	-62.69	11.26	-55.62	4.70	V	-49.06	-25.00		
	10 371.96	-63.05	11.68	-51.96	5.55	V	-45.83	-25.00		
532998 (2664.990)	5 329.98	-60.02	11.92	-61.75	3.77	V	-53.60	-25.00	1	1
	7 994.97	-59.79	11.13	-52.24	4.77	V	-45.88	-25.00		
	10 659.96	-63.91	11.58	-51.51	5.67	V	-45.60	-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	-61.58	11.22	-63.05	3.73	V	-55.56	-25.00	1	1
	7 578.00	-63.16	11.61	-55.50	4.65	V	-48.54	-25.00		
	10 104.00	-62.25	11.39	-52.69	5.46	V	-46.76	-25.00		
506004 (2530.020)	5 060.04	-63.21	11.24	-64.58	3.78	V	-57.12	-25.00	1	160
	7 590.06	-64.89	11.62	-57.53	4.64	V	-50.55	-25.00		
	10 120.08	-62.92	11.38	-53.04	5.47	V	-47.13	-25.00		
518598 (2592.990)	5 185.98	-60.73	11.61	-61.90	3.80	V	-54.09	-25.00	1	82
	7 778.97	-62.77	11.26	-55.70	4.70	V	-49.14	-25.00		
	10 371.96	-63.16	11.68	-52.07	5.55	V	-45.94	-25.00		
531996 (2659.980)	5 319.96	-59.40	11.91	-60.95	3.79	V	-52.83	-25.00	1	1
	7 979.94	-59.93	11.10	-52.23	4.79	V	-45.92	-25.00		
	10 639.92	-64.02	11.58	-51.64	5.61	V	-45.67	-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	-61.70	11.24	-63.07	3.78	V	-55.61	-25.00	1	187
	7 593.03	-62.70	11.62	-55.42	4.64	V	-48.44	-25.00		
	10 124.04	-62.78	11.37	-53.09	5.47	V	-47.19	-25.00		
507000 (2535.000)	5 070.00	-63.26	11.25	-64.42	3.80	V	-56.97	-25.00	1	187
	7 605.00	-64.95	11.60	-57.90	4.64	V	-50.94	-25.00		
	10 140.00	-62.61	11.36	-52.67	5.48	V	-46.79	-25.00		
518598 (2592.990)	5 185.98	-60.36	11.61	-61.53	3.80	V	-53.72	-25.00	1	94
	7 778.97	-62.31	11.26	-55.24	4.70	V	-48.68	-25.00		
	10 371.96	-63.63	11.68	-52.54	5.55	V	-46.41	-25.00		
531000 (2655.000)	5 310.00	-60.33	11.91	-61.44	3.82	V	-53.35	-25.00	1	1
	7 965.00	-59.82	11.07	-52.00	4.80	V	-45.73	-25.00		
	10 620.00	-63.68	11.58	-51.64	5.65	V	-45.71	-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	-61.53	11.25	-62.69	3.80	V	-55.24	-25.00	1	215
	7 608.06	-62.82	11.60	-55.94	4.64	V	-48.98	-25.00		
	10 144.08	-62.71	11.36	-53.10	5.48	V	-47.22	-25.00		
508002 (2540.010)	5 080.02	-63.65	11.27	-64.45	3.81	V	-56.99	-25.00	1	215
	7 620.03	-64.48	11.58	-57.60	4.65	V	-50.67	-25.00		
	10 160.04	-62.74	11.35	-52.62	5.49	V	-46.76	-25.00		
518598 (2592.990)	5 185.98	-60.18	11.61	-61.35	3.80	V	-53.54	-25.00	1	108
	7 778.97	-62.55	11.26	-55.48	4.70	V	-48.92	-25.00		
	10 371.96	-62.87	11.68	-51.78	5.55	V	-45.65	-25.00		
529998 (2649.990)	5 299.98	-59.50	11.90	-61.00	3.83	V	-52.93	-25.00	1	1
	7 949.97	-60.24	11.03	-52.59	4.78	V	-46.34	-25.00		
	10 599.96	-63.79	11.58	-52.50	5.67	V	-46.59	-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	-61.40	11.27	-62.20	3.81	V	-54.74	-25.00	1	243
	7 623.00	-62.70	11.57	-55.76	4.65	V	-48.84	-25.00		
	10 164.00	-62.87	11.34	-53.01	5.50	V	-47.17	-25.00		
509004 (2545.020)	5 090.04	-63.97	11.29	-64.85	3.78	V	-57.34	-25.00	1	243
	7 635.06	-64.78	11.55	-57.79	4.67	V	-50.91	-25.00		
	10 180.08	-62.97	11.35	-52.66	5.51	V	-46.82	-25.00		
518598 (2592.990)	5 185.98	-60.23	11.61	-61.40	3.80	V	-53.59	-25.00	1	122
	7 778.97	-62.82	11.26	-55.75	4.70	V	-49.19	-25.00		
	10 371.96	-62.94	11.68	-51.85	5.55	V	-45.72	-25.00		
528996 (2644.980)	5 289.96	-59.88	11.89	-61.46	3.83	V	-53.40	-25.00	1	1
	7 934.94	-59.83	11.01	-52.45	4.77	V	-46.21	-25.00		
	10 579.92	-63.51	11.62	-52.36	5.65	V	-46.39	-25.00		

■ NR Band:	<u>n41</u>
■ Bandwidth:	<u>100 MHz</u>
■ Modulation:	<u>PI/2 BPSK</u>
■ Distance:	<u>1 meter</u>
■ SCS:	<u>30 kHz</u>

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	-61.95	11.29	-62.83	3.78	V	-55.32	-25.00	1	271
	7 638.03	-63.57	11.54	-56.60	4.68	V	-49.74	-25.00		
	10 184.04	-62.90	11.35	-52.86	5.52	V	-47.03	-25.00		
510000 (2550.000)	5 100.00	-63.48	11.31	-64.67	3.78	V	-57.14	-25.00	1	271
	7 650.00	-64.94	11.52	-57.81	4.68	V	-50.97	-25.00		
	10 200.00	-62.81	11.38	-52.65	5.54	V	-46.81	-25.00		
518598 (2592.990)	5 185.98	-60.71	11.61	-61.88	3.80	V	-54.07	-25.00	1	136
	7 778.97	-63.49	11.26	-56.42	4.70	V	-49.86	-25.00		
	10 371.96	-62.88	11.68	-51.79	5.55	V	-45.66	-25.00		
528000 (2640.000)	5 280.00	-62.93	11.88	-64.96	3.80	V	-56.88	-25.00	1	1
	7 920.00	-63.73	11.02	-56.31	4.77	V	-50.06	-25.00		
	10 560.00	-63.25	11.65	-52.31	5.63	V	-46.29	-25.00		

9.3 PEAK-TO-AVERAGE RATIO

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (dB)	Limit (dB)
Sub6 n41(38)	10 MHz	2592.990	BPSK	24	0	4.48	13.00
			QPSK			5.65	
			16-QAM			6.30	
			64-QAM			6.47	
			256-QAM			6.72	
	15 MHz		BPSK	36		4.39	
			QPSK			5.67	
			16-QAM			6.27	
			64-QAM			6.57	
			256-QAM			6.59	
	20 MHz		BPSK	50		4.38	
			QPSK			5.60	
			16-QAM			6.36	
			64-QAM			6.54	
			256-QAM			6.55	
	25 MHz		BPSK	64		4.53	
			QPSK			5.69	
			16-QAM			6.34	
			64-QAM			6.50	
			256-QAM			6.70	
	30 MHz		BPSK	75		4.56	
			QPSK			5.73	
			16-QAM			6.40	
			64-QAM			6.60	
			256-QAM			6.70	
	40 MHz		BPSK	100		5.12	
			QPSK			5.75	
			16-QAM			6.40	
			64-QAM			6.51	
			256-QAM			6.62	
	50 MHz		BPSK	128		4.47	
			QPSK			5.65	
			16-QAM			6.32	
			64-QAM			6.46	
			256-QAM			6.60	

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (dB)	Limit (dB)
Sub6 n41	60 MHz	2592.990	BPSK	162	0	4.76	13.00
			QPSK			5.64	
			16-QAM			6.33	
			64-QAM			6.51	
			256-QAM			6.67	
	70 MHz		BPSK	180		4.81	
			QPSK			5.63	
			16-QAM			6.25	
			64-QAM			6.41	
			256-QAM			6.65	
	80 MHz		BPSK	216		4.46	
			QPSK			5.61	
			16-QAM			6.20	
			64-QAM			6.37	
			256-QAM			6.55	
	90 MHz		BPSK	243		4.45	
			QPSK			5.57	
			16-QAM			6.27	
			64-QAM			6.38	
			256-QAM			6.54	
	100 MHz		BPSK	270		4.80	
			QPSK			5.58	
			16-QAM			6.20	
			64-QAM			6.37	
			256-QAM			6.60	

Note:

1. Plots of the EUT's Peak- to- Average Ratio are shown Page 469 ~ 528.
2. P.A.P.R is not required. These values are reported for information only.

9.4 OCCUPIED BANDWIDTH

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (MHz)
Sub6 n41(38)	10 MHz	2592.990	BPSK	24	0	8.6885
			QPSK			8.6742
			16-QAM			8.7029
			64-QAM			8.7129
			256-QAM			8.6591
	15 MHz		BPSK	36		12.930
			QPSK			12.988
			16-QAM			12.958
			64-QAM			12.957
			256-QAM			12.957
	20 MHz		BPSK	50		17.990
			QPSK			17.971
			16-QAM			17.992
			64-QAM			17.963
			256-QAM			17.952
	25 MHz		BPSK	64		23.024
			QPSK			23.051
			16-QAM			22.978
			64-QAM			23.022
			256-QAM			23.018
	30 MHz		BPSK	75		27.008
			QPSK			27.029
			16-QAM			26.997
			64-QAM			26.963
			256-QAM			26.985
	40 MHz		BPSK	100		36.017
			QPSK			36.000
			16-QAM			35.982
			64-QAM			35.961
			256-QAM			35.903
	50 MHz		BPSK	128		46.074
			QPSK			46.005
			16-QAM			45.904
			64-QAM			45.954
			256-QAM			46.032

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (MHz)
Sub6 n41	60 MHz	2592.990	BPSK	162	0	58.411
			QPSK			58.283
			16-QAM			58.294
			64-QAM			58.403
			256-QAM			58.301
	70 MHz		BPSK	180		64.979
			QPSK			64.892
			16-QAM			64.774
			64-QAM			64.755
			256-QAM			64.946
	80 MHz		BPSK	216		77.756
			QPSK			77.639
			16-QAM			77.784
			64-QAM			77.770
			256-QAM			77.614
	90 MHz		BPSK	243		87.461
			QPSK			87.268
			16-QAM			87.346
			64-QAM			87.602
			256-QAM			87.283
	100 MHz		BPSK	270		97.123
			QPSK			97.166
			16-QAM			97.272
			64-QAM			96.956
			256-QAM			97.255

Note:

1. Plots of the EUT's Occupied Bandwidth are shown Page 529 ~ 588.

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(38)	10	2501.010	8.7936	30.315	-63.490	-33.175	-25.00
		2505.000	9.1526	30.315	-63.394	-33.079	
		2592.990	8.8734	30.315	-62.198	-31.883	
		2685.000	8.9033	30.315	-63.009	-32.694	
	15	2503.500	3.7987	29.722	-62.289	-32.567	
		2507.520	8.8834	30.315	-63.098	-32.783	
		2592.990	5.1745	30.315	-63.528	-33.213	
		2682.480	5.4736	30.315	-63.175	-32.860	
	20	2506.020	8.0160	30.315	-63.087	-32.772	
		2510.010	9.9601	30.315	-62.918	-32.603	
		2592.990	3.7987	29.722	-62.953	-33.231	
		2679.990	6.0020	30.315	-63.105	-32.790	
	25	2508.510	9.9801	30.315	-62.923	-32.608	
		2512.500	8.6441	30.315	-63.097	-32.782	
		2592.990	9.6610	30.315	-63.223	-32.908	
		2677.500	4.3370	29.722	-63.309	-33.587	
	30	2511.000	3.7887	29.722	-61.996	-32.274	
		2515.020	7.1586	30.315	-63.312	-32.997	
		2592.990	8.5544	30.315	-63.094	-32.779	
		2674.980	8.6142	30.315	-62.554	-32.239	
	40	2516.010	9.7707	30.315	-62.903	-32.588	
		2520.000	6.2812	30.315	-63.812	-33.497	
		2592.990	3.8385	29.722	-62.011	-32.289	
		2670.000	2.7219	29.722	-61.553	-31.831	
	50	2521.020	8.2752	30.315	-63.363	-33.048	
		2525.010	4.0280	29.722	-63.502	-33.780	
		2592.990	3.7987	29.722	-62.944	-33.222	
		2664.990	2.7319	29.722	-59.557	-29.835	
	60	2526.000	5.9921	30.315	-62.950	-32.635	
		2530.020	6.2912	30.315	-62.838	-32.523	
		2592.990	6.0220	30.315	-63.325	-33.010	
		2659.980	2.7418	29.722	-62.605	-32.883	
	70	2531.010	4.0778	29.722	-64.209	-34.487	
		2535.000	9.7208	30.315	-63.328	-33.013	
		2592.990	4.0280	29.722	-62.757	-33.035	
		2655.000	4.8555	29.722	-63.858	-34.136	
	80	2536.020	9.4217	30.315	-63.351	-33.036	
		2540.010	9.9502	30.315	-63.294	-32.979	
		2592.990	8.3450	30.315	-63.341	-33.026	
		2649.990	9.4816	30.315	-62.751	-32.436	
	90	2541.000	3.2304	29.722	-63.541	-33.819	
		2545.020	9.1924	30.315	-63.288	-32.973	
		2592.990	2.7219	29.722	-62.044	-32.322	
		2644.980	9.4217	30.315	-63.190	-32.875	
	100	2546.010	9.9302	30.315	-63.090	-32.775	
		2550.000	6.0020	30.315	-63.113	-32.798	
		2592.990	2.7418	29.722	-61.267	-31.545	
		2640.000	3.8186	29.722	-63.561	-33.839	

Note:

1. Plots of the EUT's Conducted Spurious Emissions are shown Page 589 ~ 684.
2. Result (dBm) = Measurement Maximum Data (dBm) + Factor (dB)
3. Factor(dB) = Cable Loss + Ext. Attenuator + Power Splitter

Frequency Range (GHz)	Factor [dB]
0.03 – 1	27.012
1 – 5	29.722
5 – 10	30.315
10 – 15	30.840
15 – 20	31.213
Above 20	31.855

9.6 CHANNEL EDGE

BW	Test. Frequency (MHz)	Modulation	RB 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	-22.75	-22.78	-22.06	-22.29	-26.06	-25.52	-33.94
15 MHz	2503.500	BPSK	Full RB	-23.59	-29.24	-26.26	-27.51	-26.94	-28.27	-35.99
20 MHz	2506.020	BPSK	Full RB	-24.91	-27.02	-26.89	-26.99	-26.13	-26.08	-35.83
25 MHz	2508.510	BPSK	Full RB	-25.20	-27.91	-28.77	-29.46	-29.20	-28.88	-36.48
30 MHz	2511.000	BPSK	Full RB	-25.65	-31.71	-28.46	-31.42	-30.21	-29.52	-37.91
40 MHz	2516.010	BPSK	Full RB	-25.09	-32.77	-28.74	-28.03	-28.39	-29.44	-40.55
50 MHz	2521.020	BPSK	Full RB	-23.11	-29.61	-28.15	-31.11	-34.49	-33.22	-40.72
60 MHz	2526.000	BPSK	Full RB	-18.04	-18.60	-26.30	-25.80	-32.80	-33.55	-39.07
70 MHz	2531.010	BPSK	Full RB	-22.34	-32.12	-27.02	-33.56	-29.42	-31.64	-40.55
80 MHz	2536.020	BPSK	Full RB	-22.88	-25.42	-27.11	-29.30	-31.40	-33.73	-40.89
90 MHz	2541.000	BPSK	Full RB	-21.77	-28.52	-26.99	-31.21	-31.46	-34.55	-42.54
100 MHz	2546.010	BPSK	Full RB	-20.77	-29.91	-27.05	-32.36	-31.69	-34.44	-43.87
Limit				-13.0	-10.0	-13.0	-10.0	-25.0	-13.0	-25.0

BW	Test. Frequency (MHz)	Modulation	RB 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	2505.000	BPSK	Full RB	-23.24	-22.45	-26.26	-23.76	-34.02	-26.77	-34.11
15 MHz	2507.520	BPSK	Full RB	-23.50	-29.19	-26.68	-27.13	-30.12	-28.10	-35.95
20 MHz	2510.010	BPSK	Full RB	-24.77	-27.53	-28.16	-29.55	-32.12	-28.81	-37.74
25 MHz	2512.500	BPSK	Full RB	-23.89	-25.88	-28.69	-29.13	-28.63	-28.23	-35.49
30 MHz	2515.020	BPSK	Full RB	-25.31	-31.83	-30.70	-30.51	-30.02	-29.31	-36.10
40 MHz	2520.000	BPSK	Full RB	-24.75	-27.92	-29.90	-28.36	-30.11	-29.13	-39.84
50 MHz	2525.010	BPSK	Full RB	-23.55	-30.03	-31.77	-31.47	-32.58	-32.86	-40.15
60 MHz	2530.020	BPSK	Full RB	-17.84	-18.85	-29.15	-25.83	-29.00	-31.08	-37.67
70 MHz	2535.000	BPSK	Full RB	-22.42	-32.15	-30.92	-32.89	-34.27	-34.36	-40.87
80 MHz	2540.010	BPSK	Full RB	-21.86	-24.57	-30.11	-28.52	-31.50	-33.88	-41.92
90 MHz	2545.020	BPSK	Full RB	-21.71	-27.66	-30.45	-30.42	-29.56	-32.91	-39.20
100 MHz	2550.000	BPSK	Full RB	-21.02	-29.54	-29.98	-31.84	-32.83	-34.27	-43.93
Limit				-13.0	-10.0	-13.0	-10.0	-25.0	-13.0	-25.0

Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	C.E ~ (C.E $\pm$ 1 MHz)		(C.E $\pm$ 1 MHz) ~ (C.E $\pm$ 5 MHz)	
					Lower	Upper	Lower	Upper
10 MHz	2592.990	BPSK	Full RB	0	-22.14	-22.99	-24.92	-24.57
	2685.000	BPSK	Full RB	0	-20.81	-22.98	-25.58	-25.82
15 MHz	2592.990	BPSK	Full RB	0	-22.64	-29.50	-25.70	-25.71
	2682.480	BPSK	Full RB	0	-22.40	-30.27	-26.70	-29.06
20 MHz	2592.990	BPSK	Full RB	0	-23.41	-27.19	-26.16	-27.28
	2679.990	BPSK	Full RB	0	-24.44	-29.58	-29.25	-31.65
25 MHz	2592.990	BPSK	Full RB	0	-23.55	-27.60	-27.17	-27.81
	2677.500	BPSK	Full RB	0	-23.62	-27.67	-29.78	-31.62
30 MHz	2592.990	BPSK	Full RB	0	-24.53	-30.27	-28.04	-29.78
	2679.990	BPSK	Full RB	0	-24.13	-34.25	-29.59	-34.38
40 MHz	2592.990	BPSK	Full RB	0	-24.54	-32.20	-28.49	-31.98
	2670.000	BPSK	Full RB	0	-23.83	-36.91	-29.62	-35.90
50 MHz	2592.990	BPSK	Full RB	0	-22.11	-30.25	-27.18	-31.68
	2664.990	BPSK	Full RB	0	-21.73	-33.59	-27.74	-35.84
60 MHz	2592.990	BPSK	Full RB	0	-16.99	-18.74	-25.26	-25.60
	2659.980	BPSK	Full RB	0	-16.60	-19.56	-25.35	-27.14
70 MHz	2592.990	BPSK	Full RB	0	-21.90	-31.79	-26.25	-33.21
	2655.000	BPSK	Full RB	0	-20.95	-31.91	-25.63	-33.74
80 MHz	2592.990	BPSK	Full RB	0	-21.71	-24.51	-27.04	-28.24
	2649.990	BPSK	Full RB	0	-21.91	-26.17	-27.46	-29.71
90 MHz	2592.990	BPSK	Full RB	0	-20.46	-28.16	-26.60	-31.14
	2644.980	BPSK	Full RB	0	-21.11	-28.03	-27.21	-30.46
100 MHz	2592.990	BPSK	Full RB	0	-20.25	-28.49	-28.22	-30.91
	2640.000	BPSK	Full RB	0	-19.88	-29.15	-27.05	-31.20
Limit (dBm)					-10.0		-10.0	

Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	(C.E $\pm$ 5 MHz) ~ (C.E $\pm$ X MHz)		Above (C.E $\pm$ X MHz)	
					Lower	Upper	Lower	Upper
10 MHz	2592.990	BPSK	Full RB	0	-27.09	-26.71	-35.42	-35.87
	2685.000	BPSK	Full RB	0	-32.13	-30.95	-38.53	-39.10
15 MHz	2592.990	BPSK	Full RB	0	-25.43	-26.00	-36.65	-37.51
	2682.480	BPSK	Full RB	0	-30.73	-29.27	-40.71	-41.12
20 MHz	2592.990	BPSK	Full RB	0	-27.58	-27.73	-36.11	-36.60
	2679.990	BPSK	Full RB	0	-31.43	-30.15	-40.92	-40.90
25 MHz	2592.990	BPSK	Full RB	0	-27.80	-27.54	-36.90	-37.57
	2677.500	BPSK	Full RB	0	-32.93	-31.58	-39.85	-41.72
30 MHz	2592.990	BPSK	Full RB	0	-28.51	-28.40	-38.12	-39.28
	2679.990	BPSK	Full RB	0	-33.51	-32.52	-41.49	-44.19
40 MHz	2592.990	BPSK	Full RB	0	-30.54	-30.07	-41.71	-42.09
	2670.000	BPSK	Full RB	0	-33.59	-34.49	-42.55	-42.68
50 MHz	2592.990	BPSK	Full RB	0	-32.07	-31.68	-39.70	-41.14
	2664.990	BPSK	Full RB	0	-32.03	-34.92	-40.08	-46.29
60 MHz	2592.990	BPSK	Full RB	0	-32.31	-32.30	-40.32	-42.30
	2659.980	BPSK	Full RB	0	-31.17	-33.66	-38.66	-47.91
70 MHz	2592.990	BPSK	Full RB	0	-32.20	-33.20	-40.04	-41.91
	2655.000	BPSK	Full RB	0	-32.44	-32.62	-38.99	-54.90
80 MHz	2592.990	BPSK	Full RB	0	-33.84	-34.74	-49.81	-43.88
	2649.990	BPSK	Full RB	0	-33.14	-32.75	-40.75	-56.81
90 MHz	2592.990	BPSK	Full RB	0	-31.24	-34.18	-56.93	-45.14
	2644.980	BPSK	Full RB	0	-32.01	-33.70	-41.37	-56.94
100 MHz	2592.990	BPSK	Full RB	0	-32.96	-34.03	-56.88	-47.90
	2640.000	BPSK	Full RB	0	-31.85	-33.99	-40.89	-56.88
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 685 ~ 816. (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. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2501.010	100 %	+20(Ref)	2501 009 997	0.0	0.000 000	0.000
	100 %	-30	2501 009 995	-1.3	0.000 000	-0.001
	100 %	-20	2501 009 993	-3.9	0.000 000	-0.002
	100 %	-10	2501 009 992	-4.7	0.000 000	-0.002
	100 %	0	2501 009 994	-2.8	0.000 000	-0.001
	100 %	+10	2501 009 994	-2.8	0.000 000	-0.001
	100 %	+30	2501 009 993	-3.2	0.000 000	-0.001
	100 %	+40	2501 009 993	-3.5	0.000 000	-0.001
	100 %	+50	2501 009 994	-3.1	0.000 000	-0.001
	Batt. Endpoint	+20	2501 009 993	-3.3	0.000 000	-0.001
2505.000	100 %	+20(Ref)	2505 000 001	0.0	0.000 000	0.000
	100 %	-30	2504 999 999	-2.4	0.000 000	-0.001
	100 %	-20	2504 999 999	-2.2	0.000 000	-0.001
	100 %	-10	2505 000 000	-1.0	0.000 000	0.000
	100 %	0	2505 000 001	-0.2	0.000 000	0.000
	100 %	+10	2505 000 000	-1.1	0.000 000	0.000
	100 %	+30	2505 000 001	0.5	0.000 000	0.000
	100 %	+40	2505 000 001	0.1	0.000 000	0.000
	100 %	+50	2505 000 000	-0.5	0.000 000	0.000
	Batt. Endpoint	+20	2504 999 998	-2.7	0.000 000	-0.001
2685.000	100 %	+20(Ref)	2684 999 998	0.0	0.000 000	0.000
	100 %	-30	2684 999 995	-3.2	0.000 000	-0.001
	100 %	-20	2684 999 997	-1.2	0.000 000	0.000
	100 %	-10	2685 000 000	2.0	0.000 000	0.001
	100 %	0	2684 999 999	0.3	0.000 000	0.000
	100 %	+10	2684 999 996	-2.3	0.000 000	-0.001
	100 %	+30	2684 999 998	-0.9	0.000 000	0.000
	100 %	+40	2684 999 998	-0.8	0.000 000	0.000
	100 %	+50	2684 999 997	-1.5	0.000 000	-0.001
	Batt. Endpoint	+20	2685 000 000	1.2	0.000 000	0.000

- ▣ BandWidth: 15 MHz
- ▣ Voltage(100 %): 3.880 VDC
- ▣ Batt. Endpoint: 3.300 VDC
- ▣ LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2503.500	100 %	+20(Ref)	2503 499 997	0.0	0.000 000	0.000
	100 %	-30	2503 499 995	-2.5	0.000 000	-0.001
	100 %	-20	2503 499 996	-1.3	0.000 000	-0.001
	100 %	-10	2503 499 996	-1.3	0.000 000	-0.001
	100 %	0	2503 499 995	-2.5	0.000 000	-0.001
	100 %	+10	2503 499 998	0.4	0.000 000	0.000
	100 %	+30	2503 499 996	-1.7	0.000 000	-0.001
	100 %	+40	2503 499 996	-1.5	0.000 000	-0.001
	100 %	+50	2503 499 995	-1.9	0.000 000	-0.001
	Batt. Endpoint	+20	2503 499 996	-1.3	0.000 000	-0.001
2507.520	100 %	+20(Ref)	2507 519 999	0.0	0.000 000	0.000
	100 %	-30	2507 519 997	-2.6	0.000 000	-0.001
	100 %	-20	2507 519 996	-3.8	0.000 000	-0.002
	100 %	-10	2507 519 995	-3.8	0.000 000	-0.002
	100 %	0	2507 519 996	-2.8	0.000 000	-0.001
	100 %	+10	2507 519 997	-2.6	0.000 000	-0.001
	100 %	+30	2507 519 997	-2.3	0.000 000	-0.001
	100 %	+40	2507 519 995	-4.0	0.000 000	-0.002
	100 %	+50	2507 519 998	-1.2	0.000 000	0.000
	Batt. Endpoint	+20	2507 519 997	-2.4	0.000 000	-0.001
2682.480	100 %	+20(Ref)	2682 480 000	0.0	0.000 000	0.000
	100 %	-30	2682 479 999	-0.9	0.000 000	0.000
	100 %	-20	2682 479 998	-2.4	0.000 000	-0.001
	100 %	-10	2682 479 998	-2.6	0.000 000	-0.001
	100 %	0	2682 479 999	-0.6	0.000 000	0.000
	100 %	+10	2682 479 999	-1.6	0.000 000	-0.001
	100 %	+30	2682 480 000	-0.1	0.000 000	0.000
	100 %	+40	2682 479 999	-1.2	0.000 000	0.000
	100 %	+50	2682 480 000	-0.5	0.000 000	0.000
	Batt. Endpoint	+20	2682 479 998	-2.4	0.000 000	-0.001

- ▣ BandWidth: 20 MHz
- ▣ Voltage(100 %): 3.880 VDC
- ▣ Batt. Endpoint: 3.300 VDC
- ▣ LIMIT: Emission must remain in band

Test. Frequency	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 019 996	-1.3	0.000 000	-0.001
	100 %	-20	2506 019 995	-2.5	0.000 000	-0.001
	100 %	-10	2506 019 995	-1.9	0.000 000	-0.001
	100 %	0	2506 019 994	-3.4	0.000 000	-0.001
	100 %	+10	2506 019 993	-4.9	0.000 000	-0.002
	100 %	+30	2506 019 997	-0.2	0.000 000	0.000
	100 %	+40	2506 019 993	-4.1	0.000 000	-0.002
	100 %	+50	2506 019 994	-3.6	0.000 000	-0.001
	Batt. Endpoint	+20	2506 019 994	-3.6	0.000 000	-0.001
2510.010	100 %	+20(Ref)	2510 009 996	0.0	0.000 000	0.000
	100 %	-30	2510 009 993	-2.5	0.000 000	-0.001
	100 %	-20	2510 009 995	-0.9	0.000 000	0.000
	100 %	-10	2510 009 992	-3.6	0.000 000	-0.001
	100 %	0	2510 009 991	-4.4	0.000 000	-0.002
	100 %	+10	2510 009 995	-0.7	0.000 000	0.000
	100 %	+30	2510 009 994	-1.7	0.000 000	-0.001
	100 %	+40	2510 009 992	-4.1	0.000 000	-0.002
	100 %	+50	2510 009 992	-3.4	0.000 000	-0.001
	Batt. Endpoint	+20	2510 009 991	-4.9	0.000 000	-0.002
2679.990	100 %	+20(Ref)	2679 989 998	0.0	0.000 000	0.000
	100 %	-30	2679 989 998	-0.7	0.000 000	0.000
	100 %	-20	2679 989 997	-0.8	0.000 000	0.000
	100 %	-10	2679 989 994	-3.8	0.000 000	-0.001
	100 %	0	2679 990 000	2.0	0.000 000	0.001
	100 %	+10	2679 989 997	-0.8	0.000 000	0.000
	100 %	+30	2679 989 998	-0.4	0.000 000	0.000
	100 %	+40	2679 990 000	1.3	0.000 000	0.000
	100 %	+50	2679 990 000	1.7	0.000 000	0.001
	Batt. Endpoint	+20	2679 989 997	-0.9	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. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2508.510	100 %	+20(Ref)	2508 509 998	0.0	0.000 000	0.000
	100 %	-30	2508 509 995	-3.0	0.000 000	-0.001
	100 %	-20	2508 509 996	-2.3	0.000 000	-0.001
	100 %	-10	2508 509 995	-2.5	0.000 000	-0.001
	100 %	0	2508 509 995	-3.1	0.000 000	-0.001
	100 %	+10	2508 509 994	-3.8	0.000 000	-0.002
	100 %	+30	2508 509 995	-3.5	0.000 000	-0.001
	100 %	+40	2508 509 995	-3.2	0.000 000	-0.001
	100 %	+50	2508 509 996	-2.2	0.000 000	-0.001
	Batt. Endpoint	+20	2508 509 997	-1.4	0.000 000	-0.001
2512.500	100 %	+20(Ref)	2512 499 997	0.0	0.000 000	0.000
	100 %	-30	2512 499 997	-0.6	0.000 000	0.000
	100 %	-20	2512 499 993	-3.8	0.000 000	-0.002
	100 %	-10	2512 499 995	-1.8	0.000 000	-0.001
	100 %	0	2512 499 995	-1.9	0.000 000	-0.001
	100 %	+10	2512 499 995	-1.8	0.000 000	-0.001
	100 %	+30	2512 499 995	-2.2	0.000 000	-0.001
	100 %	+40	2512 499 992	-4.9	0.000 000	-0.002
	100 %	+50	2512 499 994	-3.1	0.000 000	-0.001
	Batt. Endpoint	+20	2512 499 995	-2.5	0.000 000	-0.001
2677.500	100 %	+20(Ref)	2677 499 997	0.0	0.000 000	0.000
	100 %	-30	2677 499 995	-2.5	0.000 000	-0.001
	100 %	-20	2677 499 996	-1.1	0.000 000	0.000
	100 %	-10	2677 499 996	-1.3	0.000 000	0.000
	100 %	0	2677 499 995	-2.2	0.000 000	-0.001
	100 %	+10	2677 499 996	-0.7	0.000 000	0.000
	100 %	+30	2677 499 996	-1.3	0.000 000	0.000
	100 %	+40	2677 499 996	-0.6	0.000 000	0.000
	100 %	+50	2677 499 995	-1.9	0.000 000	-0.001
	Batt. Endpoint	+20	2677 499 996	-1.0	0.000 000	0.000

- ▣ BandWidth: 30 MHz
- ▣ Voltage(100 %): 3.880 VDC
- ▣ Batt. Endpoint: 3.300 VDC
- ▣ LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2511.000	100 %	+20(Ref)	2511 000 000	0.0	0.000 000	0.000
	100 %	-30	2510 999 997	-2.5	0.000 000	-0.001
	100 %	-20	2510 999 997	-2.6	0.000 000	-0.001
	100 %	-10	2510 999 999	-0.8	0.000 000	0.000
	100 %	0	2510 999 999	-0.8	0.000 000	0.000
	100 %	+10	2510 999 999	-1.2	0.000 000	0.000
	100 %	+30	2510 999 997	-2.8	0.000 000	-0.001
	100 %	+40	2510 999 999	-1.3	0.000 000	-0.001
	100 %	+50	2510 999 999	-0.9	0.000 000	0.000
	Batt. Endpoint	+20	2510 999 998	-1.6	0.000 000	-0.001
2515.020	100 %	+20(Ref)	2515 019 997	0.0	0.000 000	0.000
	100 %	-30	2515 019 996	-1.0	0.000 000	0.000
	100 %	-20	2515 019 995	-2.2	0.000 000	-0.001
	100 %	-10	2515 019 995	-1.9	0.000 000	-0.001
	100 %	0	2515 019 995	-2.3	0.000 000	-0.001
	100 %	+10	2515 019 994	-3.3	0.000 000	-0.001
	100 %	+30	2515 019 993	-4.2	0.000 000	-0.002
	100 %	+40	2515 019 992	-4.5	0.000 000	-0.002
	100 %	+50	2515 019 995	-1.7	0.000 000	-0.001
	Batt. Endpoint	+20	2515 019 993	-4.3	0.000 000	-0.002
2674.980	100 %	+20(Ref)	2674 980 000	0.0	0.000 000	0.000
	100 %	-30	2674 979 999	-1.2	0.000 000	0.000
	100 %	-20	2674 979 997	-3.2	0.000 000	-0.001
	100 %	-10	2674 980 000	-0.3	0.000 000	0.000
	100 %	0	2674 979 998	-2.1	0.000 000	-0.001
	100 %	+10	2674 979 999	-1.5	0.000 000	-0.001
	100 %	+30	2674 980 000	-0.9	0.000 000	0.000
	100 %	+40	2674 979 999	-1.1	0.000 000	0.000
	100 %	+50	2674 980 000	-0.6	0.000 000	0.000
	Batt. Endpoint	+20	2674 980 000	-0.5	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. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2516.010	100 %	+20(Ref)	2516 009 996	0.0	0.000 000	0.000
	100 %	-30	2516 009 991	-5.4	0.000 000	-0.002
	100 %	-20	2516 009 992	-4.7	0.000 000	-0.002
	100 %	-10	2516 009 992	-4.0	0.000 000	-0.002
	100 %	0	2516 009 992	-4.3	0.000 000	-0.002
	100 %	+10	2516 009 994	-2.1	0.000 000	-0.001
	100 %	+30	2516 009 992	-4.6	0.000 000	-0.002
	100 %	+40	2516 009 993	-3.0	0.000 000	-0.001
	100 %	+50	2516 009 992	-4.3	0.000 000	-0.002
	Batt. Endpoint	+20	2516 009 993	-3.7	0.000 000	-0.001
2520.000	100 %	+20(Ref)	2519 999 999	0.0	0.000 000	0.000
	100 %	-30	2519 999 996	-3.0	0.000 000	-0.001
	100 %	-20	2519 999 999	0.2	0.000 000	0.000
	100 %	-10	2519 999 996	-3.3	0.000 000	-0.001
	100 %	0	2519 999 998	-0.8	0.000 000	0.000
	100 %	+10	2519 999 997	-2.1	0.000 000	-0.001
	100 %	+30	2519 999 995	-3.5	0.000 000	-0.001
	100 %	+40	2519 999 998	-0.7	0.000 000	0.000
	100 %	+50	2519 999 999	-0.2	0.000 000	0.000
	Batt. Endpoint	+20	2520 000 000	1.0	0.000 000	0.000
2670.000	100 %	+20(Ref)	2670 000 000	0.0	0.000 000	0.000
	100 %	-30	2670 000 000	0.2	0.000 000	0.000
	100 %	-20	2670 000 000	-0.1	0.000 000	0.000
	100 %	-10	2670 000 000	0.0	0.000 000	0.000
	100 %	0	2670 000 000	0.1	0.000 000	0.000
	100 %	+10	2670 000 000	0.2	0.000 000	0.000
	100 %	+30	2669 999 999	-0.7	0.000 000	0.000
	100 %	+40	2669 999 999	-1.0	0.000 000	0.000
	100 %	+50	2670 000 001	1.2	0.000 000	0.000
	Batt. Endpoint	+20	2669 999 999	-0.7	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. Frequency	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	-4.0	0.000 000	-0.002
	100 %	-20	2521 019 993	-3.2	0.000 000	-0.001
	100 %	-10	2521 019 990	-5.5	0.000 000	-0.002
	100 %	0	2521 019 992	-3.9	0.000 000	-0.002
	100 %	+10	2521 019 992	-4.4	0.000 000	-0.002
	100 %	+30	2521 019 991	-5.0	0.000 000	-0.002
	100 %	+40	2521 019 991	-4.6	0.000 000	-0.002
	100 %	+50	2521 019 991	-4.8	0.000 000	-0.002
	Batt. Endpoint	+20	2521 019 993	-2.7	0.000 000	-0.001
2525.010	100 %	+20(Ref)	2525 009 998	0.0	0.000 000	0.000
	100 %	-30	2525 009 996	-1.4	0.000 000	-0.001
	100 %	-20	2525 009 996	-1.5	0.000 000	-0.001
	100 %	-10	2525 009 994	-3.6	0.000 000	-0.001
	100 %	0	2525 009 995	-2.8	0.000 000	-0.001
	100 %	+10	2525 009 996	-1.8	0.000 000	-0.001
	100 %	+30	2525 009 996	-1.4	0.000 000	-0.001
	100 %	+40	2525 009 996	-2.0	0.000 000	-0.001
	100 %	+50	2525 009 993	-4.5	0.000 000	-0.002
	Batt. Endpoint	+20	2525 009 996	-1.2	0.000 000	0.000
2664.990	100 %	+20(Ref)	2664 989 997	0.0	0.000 000	0.000
	100 %	-30	2664 989 998	0.5	0.000 000	0.000
	100 %	-20	2664 989 993	-4.1	0.000 000	-0.002
	100 %	-10	2664 989 997	-0.4	0.000 000	0.000
	100 %	0	2664 989 998	0.3	0.000 000	0.000
	100 %	+10	2664 989 999	1.5	0.000 000	0.001
	100 %	+30	2664 989 996	-1.6	0.000 000	-0.001
	100 %	+40	2664 989 995	-2.1	0.000 000	-0.001
	100 %	+50	2664 989 997	-0.3	0.000 000	0.000
	Batt. Endpoint	+20	2664 989 998	0.4	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. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2526.000	100 %	+20(Ref)	2525 999 997	0.0	0.000 000	0.000
	100 %	-30	2525 999 993	-3.4	0.000 000	-0.001
	100 %	-20	2525 999 993	-3.9	0.000 000	-0.002
	100 %	-10	2525 999 994	-2.0	0.000 000	-0.001
	100 %	0	2525 999 991	-5.1	0.000 000	-0.002
	100 %	+10	2525 999 992	-4.2	0.000 000	-0.002
	100 %	+30	2525 999 993	-3.3	0.000 000	-0.001
	100 %	+40	2525 999 992	-4.4	0.000 000	-0.002
	100 %	+50	2525 999 994	-2.7	0.000 000	-0.001
	Batt. Endpoint	+20	2525 999 992	-4.3	0.000 000	-0.002
2530.020	100 %	+20(Ref)	2530 019 997	0.0	0.000 000	0.000
	100 %	-30	2530 019 993	-4.1	0.000 000	-0.002
	100 %	-20	2530 019 993	-3.5	0.000 000	-0.001
	100 %	-10	2530 019 996	-0.4	0.000 000	0.000
	100 %	0	2530 019 994	-2.3	0.000 000	-0.001
	100 %	+10	2530 019 993	-3.5	0.000 000	-0.001
	100 %	+30	2530 019 992	-4.7	0.000 000	-0.002
	100 %	+40	2530 019 996	-0.9	0.000 000	0.000
	100 %	+50	2530 019 993	-3.3	0.000 000	-0.001
	Batt. Endpoint	+20	2530 019 995	-1.3	0.000 000	-0.001
2659.980	100 %	+20(Ref)	2659 979 998	0.0	0.000 000	0.000
	100 %	-30	2659 979 994	-3.8	0.000 000	-0.001
	100 %	-20	2659 979 995	-2.5	0.000 000	-0.001
	100 %	-10	2659 979 997	-1.0	0.000 000	0.000
	100 %	0	2659 979 996	-2.1	0.000 000	-0.001
	100 %	+10	2659 979 994	-4.0	0.000 000	-0.001
	100 %	+30	2659 979 995	-3.1	0.000 000	-0.001
	100 %	+40	2659 979 996	-1.5	0.000 000	-0.001
	100 %	+50	2659 979 995	-3.1	0.000 000	-0.001
	Batt. Endpoint	+20	2659 979 995	-2.4	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. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2531.010	100 %	+20(Ref)	2531 009 999	0.0	0.000 000	0.000
	100 %	-30	2531 009 996	-2.3	0.000 000	-0.001
	100 %	-20	2531 009 996	-2.6	0.000 000	-0.001
	100 %	-10	2531 009 996	-3.2	0.000 000	-0.001
	100 %	0	2531 009 996	-2.8	0.000 000	-0.001
	100 %	+10	2531 009 996	-2.4	0.000 000	-0.001
	100 %	+30	2531 009 995	-3.8	0.000 000	-0.001
	100 %	+40	2531 009 997	-2.2	0.000 000	-0.001
	100 %	+50	2531 009 995	-3.6	0.000 000	-0.001
	Batt. Endpoint	+20	2531 009 998	-1.2	0.000 000	0.000
2535.000	100 %	+20(Ref)	2534 999 998	0.0	0.000 000	0.000
	100 %	-30	2534 999 996	-2.0	0.000 000	-0.001
	100 %	-20	2534 999 994	-4.4	0.000 000	-0.002
	100 %	-10	2534 999 993	-4.8	0.000 000	-0.002
	100 %	0	2534 999 996	-2.7	0.000 000	-0.001
	100 %	+10	2534 999 995	-3.4	0.000 000	-0.001
	100 %	+30	2534 999 993	-5.2	0.000 000	-0.002
	100 %	+40	2534 999 994	-4.3	0.000 000	-0.002
	100 %	+50	2534 999 996	-1.8	0.000 000	-0.001
	Batt. Endpoint	+20	2534 999 995	-2.9	0.000 000	-0.001
2655.000	100 %	+20(Ref)	2654 999 999	0.0	0.000 000	0.000
	100 %	-30	2654 999 999	0.4	0.000 000	0.000
	100 %	-20	2654 999 999	0.3	0.000 000	0.000
	100 %	-10	2654 999 997	-1.9	0.000 000	-0.001
	100 %	0	2654 999 999	0.4	0.000 000	0.000
	100 %	+10	2654 999 998	-0.5	0.000 000	0.000
	100 %	+30	2654 999 996	-3.0	0.000 000	-0.001
	100 %	+40	2654 999 997	-1.5	0.000 000	-0.001
	100 %	+50	2654 999 998	-0.2	0.000 000	0.000
	Batt. Endpoint	+20	2654 999 999	0.0	0.000 000	0.000

- ▣ BandWidth: 80 MHz
- ▣ Voltage(100 %): 3.880 VDC
- ▣ Batt. Endpoint: 3.300 VDC
- ▣ LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2536.020	100 %	+20(Ref)	2536 019 997	0.0	0.000 000	0.000
	100 %	-30	2536 019 995	-2.2	0.000 000	-0.001
	100 %	-20	2536 019 996	-1.0	0.000 000	0.000
	100 %	-10	2536 019 996	-1.7	0.000 000	-0.001
	100 %	0	2536 019 996	-1.0	0.000 000	0.000
	100 %	+10	2536 019 998	0.2	0.000 000	0.000
	100 %	+30	2536 019 996	-1.3	0.000 000	-0.001
	100 %	+40	2536 019 995	-2.1	0.000 000	-0.001
	100 %	+50	2536 019 997	-0.7	0.000 000	0.000
	Batt. Endpoint	+20	2536 019 996	-1.4	0.000 000	-0.001
2540.010	100 %	+20(Ref)	2540 009 997	0.0	0.000 000	0.000
	100 %	-30	2540 009 995	-2.7	0.000 000	-0.001
	100 %	-20	2540 009 993	-4.8	0.000 000	-0.002
	100 %	-10	2540 009 993	-4.0	0.000 000	-0.002
	100 %	0	2540 009 994	-3.0	0.000 000	-0.001
	100 %	+10	2540 009 994	-3.5	0.000 000	-0.001
	100 %	+30	2540 009 994	-3.8	0.000 000	-0.001
	100 %	+40	2540 009 994	-3.8	0.000 000	-0.001
	100 %	+50	2540 009 995	-2.6	0.000 000	-0.001
	Batt. Endpoint	+20	2540 009 995	-2.8	0.000 000	-0.001
2649.990	100 %	+20(Ref)	2649 989 998	0.0	0.000 000	0.000
	100 %	-30	2649 989 994	-3.4	0.000 000	-0.001
	100 %	-20	2649 989 995	-2.6	0.000 000	-0.001
	100 %	-10	2649 989 998	-0.2	0.000 000	0.000
	100 %	0	2649 989 999	1.2	0.000 000	0.000
	100 %	+10	2649 989 997	-1.3	0.000 000	0.000
	100 %	+30	2649 989 997	-0.8	0.000 000	0.000
	100 %	+40	2649 989 995	-2.5	0.000 000	-0.001
	100 %	+50	2649 989 997	-1.4	0.000 000	-0.001
	Batt. Endpoint	+20	2649 989 995	-2.6	0.000 000	-0.001

- ▣ BandWidth: 90 MHz
- ▣ Voltage(100 %): 3.880 VDC
- ▣ Batt. Endpoint: 3.300 VDC
- ▣ LIMIT: Emission must remain in band

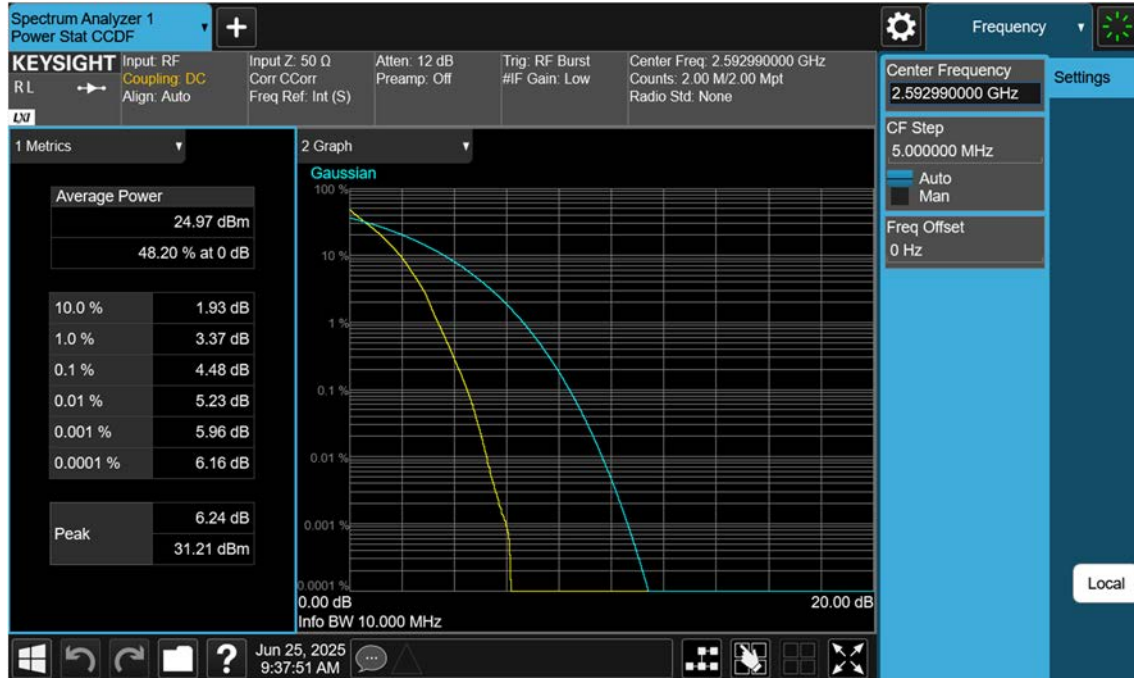
Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2541.000	100 %	+20(Ref)	2540 999 997	0.0	0.000 000	0.000
	100 %	-30	2540 999 992	-5.1	0.000 000	-0.002
	100 %	-20	2540 999 994	-2.7	0.000 000	-0.001
	100 %	-10	2540 999 993	-4.3	0.000 000	-0.002
	100 %	0	2540 999 996	-1.4	0.000 000	-0.001
	100 %	+10	2540 999 996	-1.4	0.000 000	-0.001
	100 %	+30	2540 999 992	-4.6	0.000 000	-0.002
	100 %	+40	2540 999 995	-2.4	0.000 000	-0.001
	100 %	+50	2540 999 994	-3.4	0.000 000	-0.001
	Batt. Endpoint	+20	2540 999 993	-3.6	0.000 000	-0.001
2545.020	100 %	+20(Ref)	2545 019 999	0.0	0.000 000	0.000
	100 %	-30	2545 019 997	-2.1	0.000 000	-0.001
	100 %	-20	2545 019 999	-0.8	0.000 000	0.000
	100 %	-10	2545 019 996	-2.9	0.000 000	-0.001
	100 %	0	2545 019 996	-2.9	0.000 000	-0.001
	100 %	+10	2545 019 999	0.0	0.000 000	0.000
	100 %	+30	2545 019 997	-2.1	0.000 000	-0.001
	100 %	+40	2545 019 998	-1.3	0.000 000	-0.001
	100 %	+50	2545 019 996	-3.7	0.000 000	-0.001
	Batt. Endpoint	+20	2545 019 997	-2.0	0.000 000	-0.001
2644.980	100 %	+20(Ref)	2644 979 999	0.0	0.000 000	0.000
	100 %	-30	2644 979 999	-0.4	0.000 000	0.000
	100 %	-20	2644 980 000	0.4	0.000 000	0.000
	100 %	-10	2644 979 999	-0.7	0.000 000	0.000
	100 %	0	2644 979 999	0.1	0.000 000	0.000
	100 %	+10	2644 979 999	0.2	0.000 000	0.000
	100 %	+30	2644 979 998	-1.1	0.000 000	0.000
	100 %	+40	2644 979 999	-0.5	0.000 000	0.000
	100 %	+50	2644 979 999	-0.4	0.000 000	0.000
	Batt. Endpoint	+20	2644 980 000	0.3	0.000 000	0.000

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

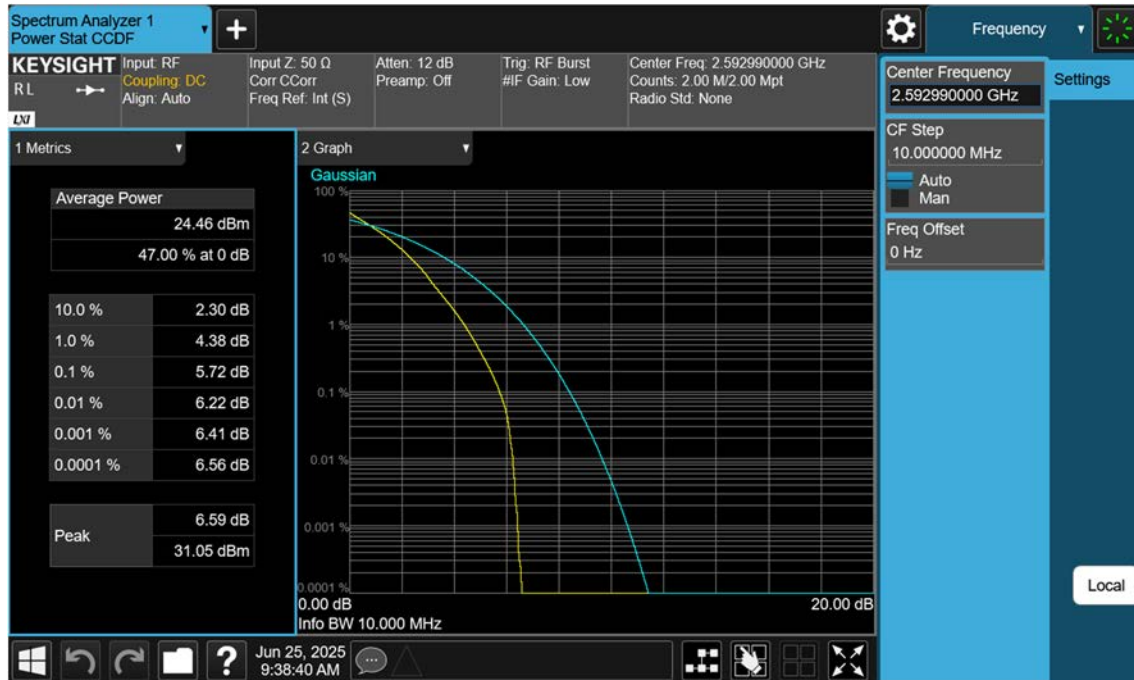
Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2546.010	100 %	+20(Ref)	2546 009 999	0.0	0.000 000	0.000
	100 %	-30	2546 009 996	-2.7	0.000 000	-0.001
	100 %	-20	2546 009 997	-2.2	0.000 000	-0.001
	100 %	-10	2546 009 996	-3.2	0.000 000	-0.001
	100 %	0	2546 009 996	-3.0	0.000 000	-0.001
	100 %	+10	2546 009 996	-2.6	0.000 000	-0.001
	100 %	+30	2546 009 997	-2.3	0.000 000	-0.001
	100 %	+40	2546 009 995	-4.5	0.000 000	-0.002
	100 %	+50	2546 009 996	-2.7	0.000 000	-0.001
	Batt. Endpoint	+20	2546 009 997	-1.7	0.000 000	-0.001
2550.000	100 %	+20(Ref)	2549 999 996	0.0	0.000 000	0.000
	100 %	-30	2549 999 991	-4.3	0.000 000	-0.002
	100 %	-20	2549 999 993	-2.7	0.000 000	-0.001
	100 %	-10	2549 999 992	-3.9	0.000 000	-0.002
	100 %	0	2549 999 994	-1.9	0.000 000	-0.001
	100 %	+10	2549 999 992	-3.3	0.000 000	-0.001
	100 %	+30	2549 999 992	-3.7	0.000 000	-0.001
	100 %	+40	2549 999 994	-1.6	0.000 000	-0.001
	100 %	+50	2549 999 994	-1.6	0.000 000	-0.001
	Batt. Endpoint	+20	2549 999 991	-4.5	0.000 000	-0.002
2640.000	100 %	+20(Ref)	2639 999 999	0.0	0.000 000	0.000
	100 %	-30	2639 999 999	0.4	0.000 000	0.000
	100 %	-20	2640 000 001	2.3	0.000 000	0.001
	100 %	-10	2639 999 997	-1.8	0.000 000	-0.001
	100 %	0	2639 999 998	-0.7	0.000 000	0.000
	100 %	+10	2639 999 999	0.7	0.000 000	0.000
	100 %	+30	2639 999 998	-0.1	0.000 000	0.000
	100 %	+40	2639 999 997	-1.9	0.000 000	-0.001
	100 %	+50	2639 999 999	0.0	0.000 000	0.000
	Batt. Endpoint	+20	2639 999 999	0.0	0.000 000	0.000

10. TEST PLOTS(Main 2 ANT)

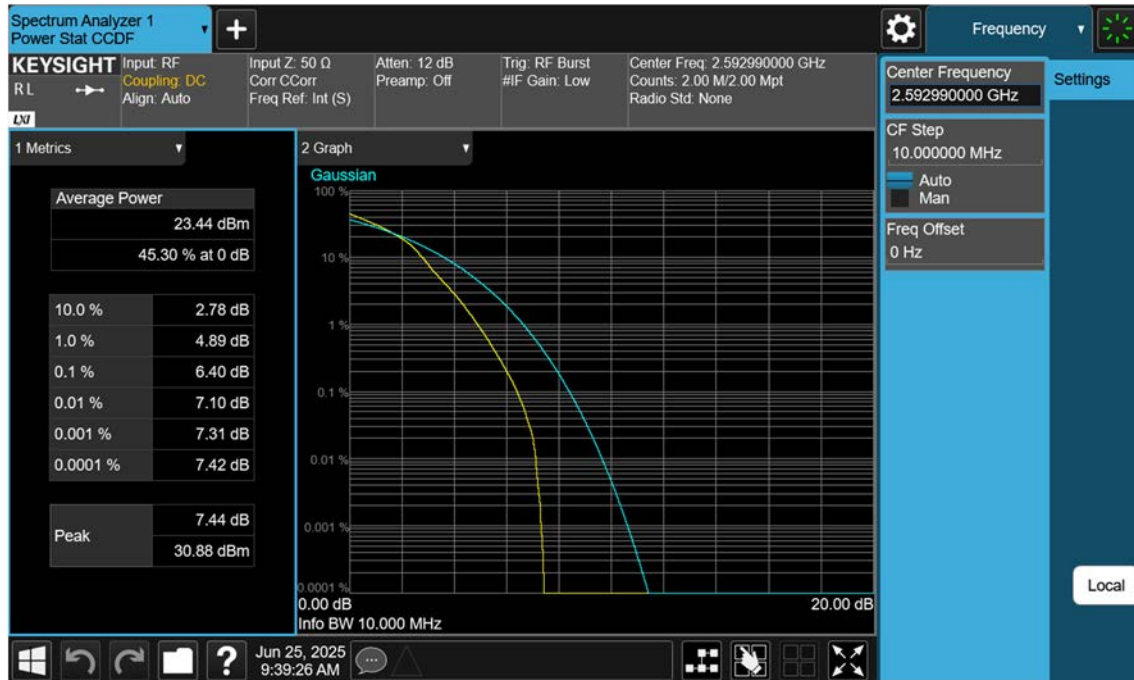
NR41_10 M_PAR_Mid_BPSK_FullRB



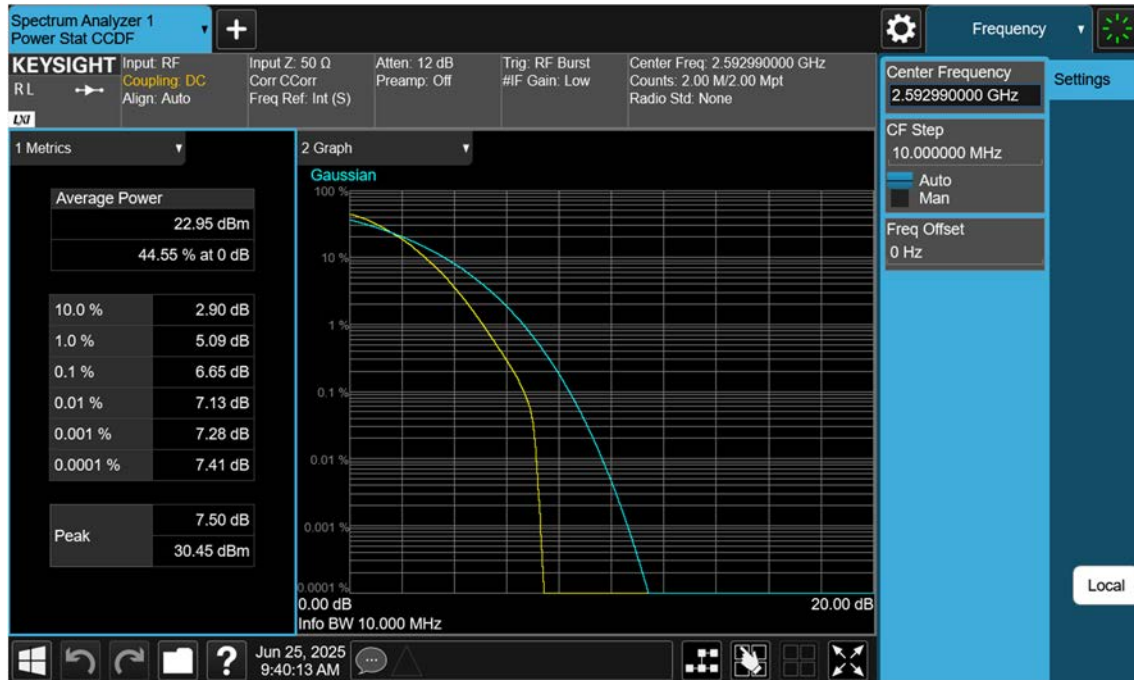
NR41_10 M_PAR_Mid_QPSK_FullRB



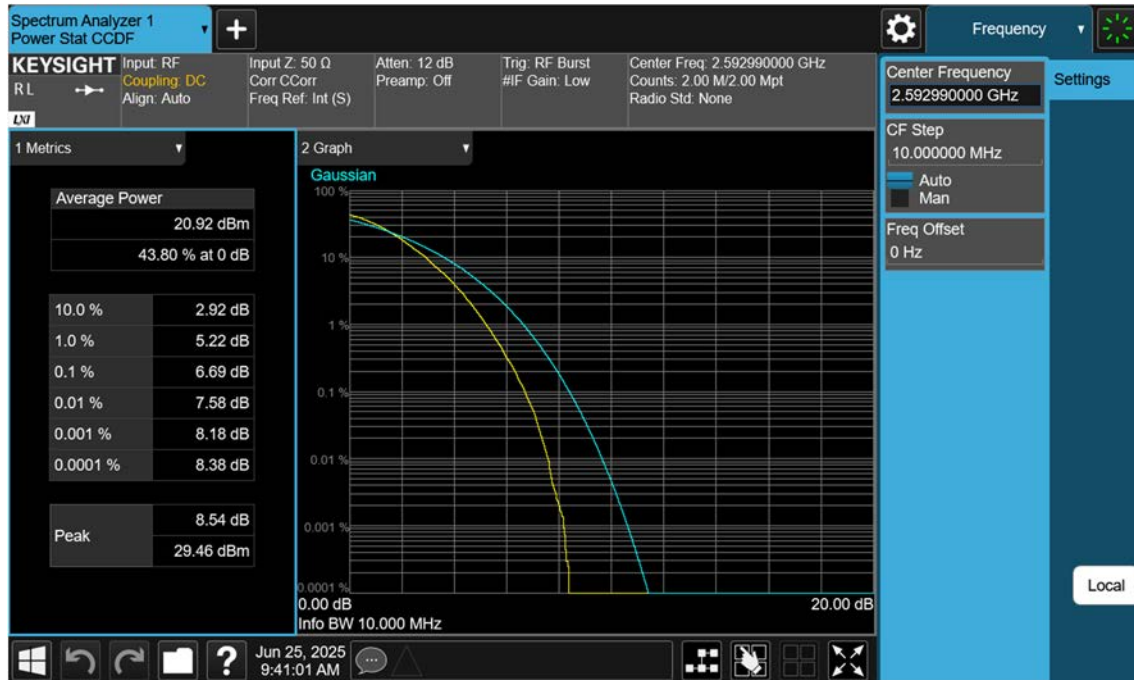
NR41_10 M_PAR_Mid_16QAM_FullRB



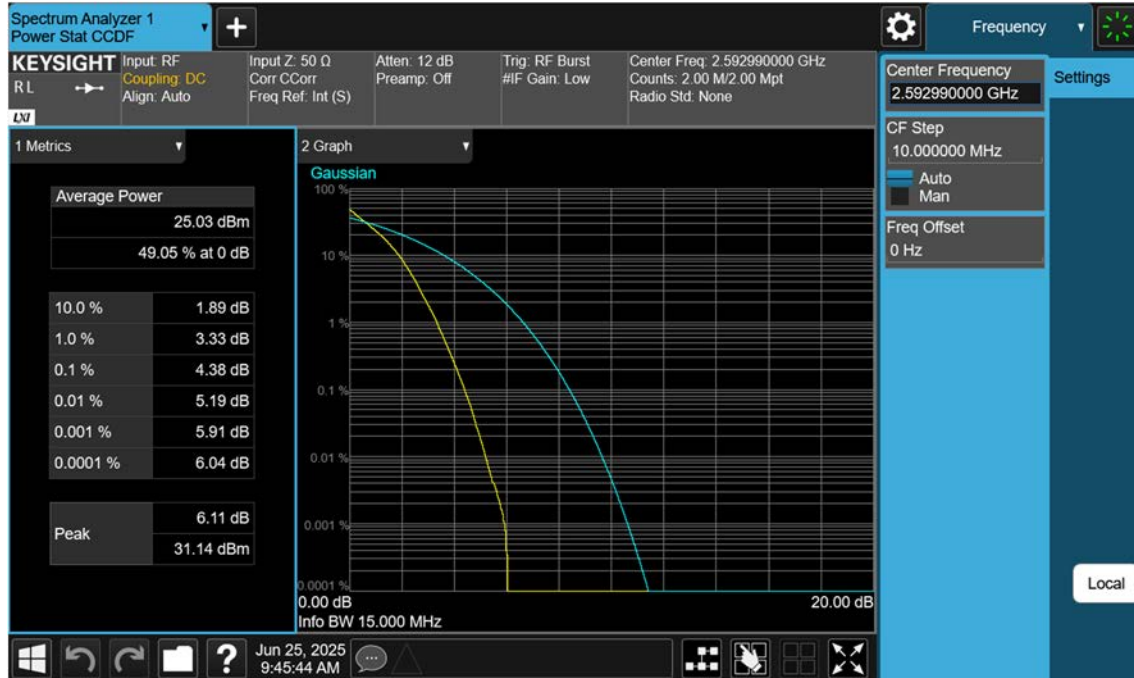
NR41_10 M_PAR_Mid_64QAM_FullRB



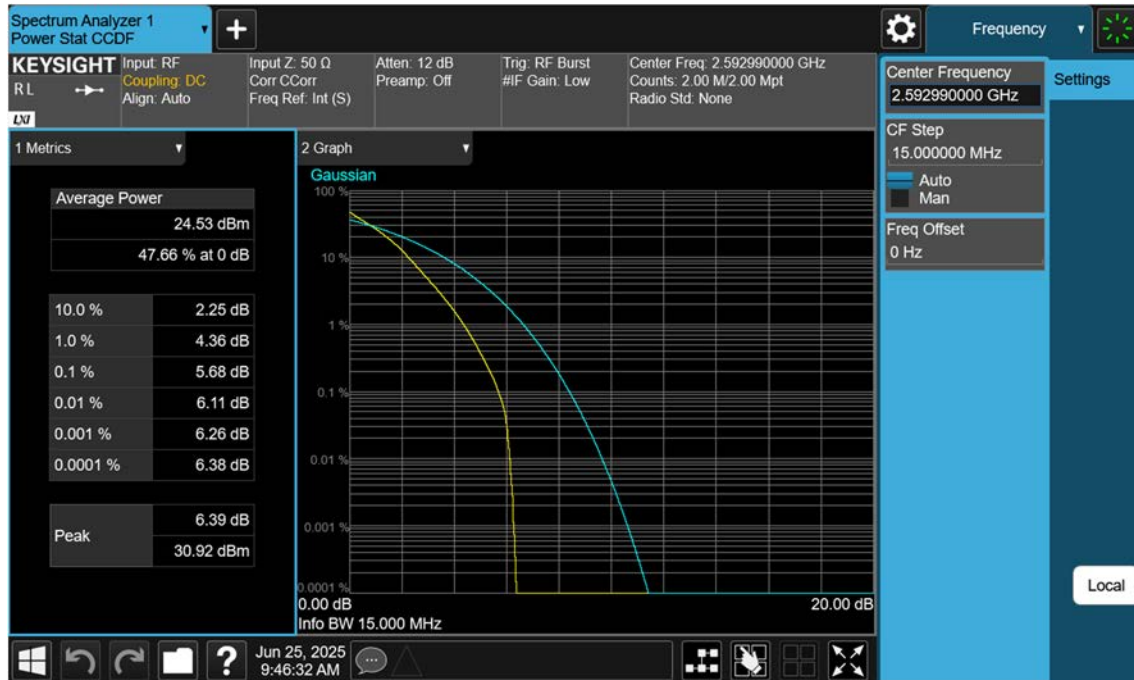
NR41_10 M_PAR_Mid_256QAM_FullRB



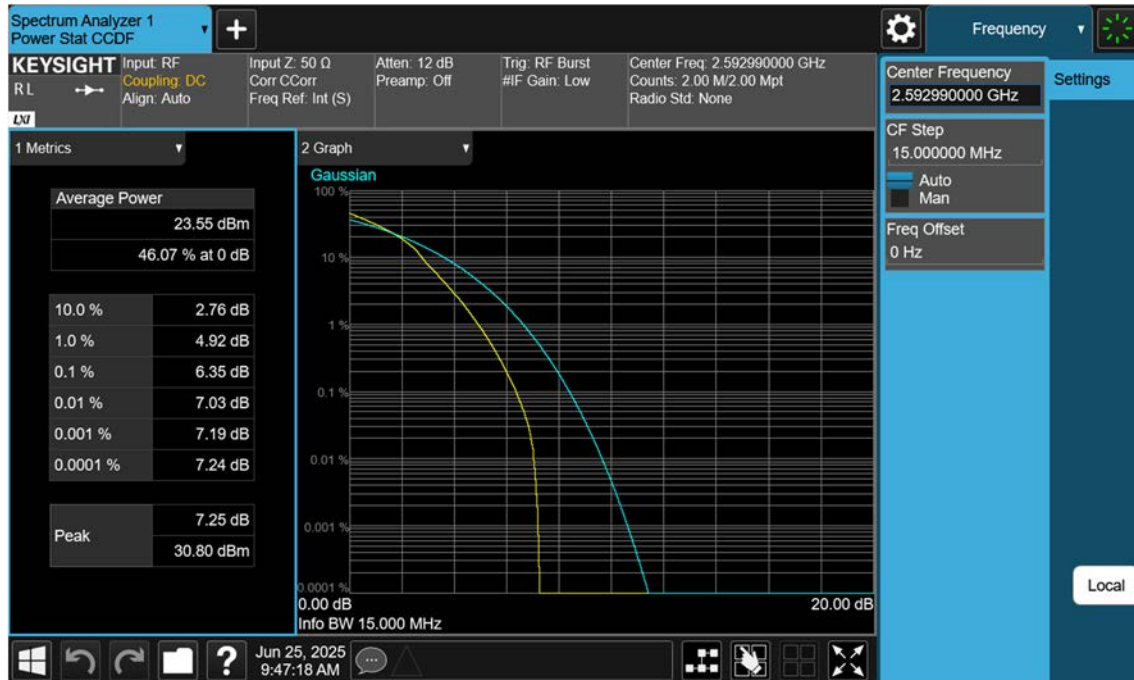
NR41_15 M_PAR_Mid_BPSK_FullRB



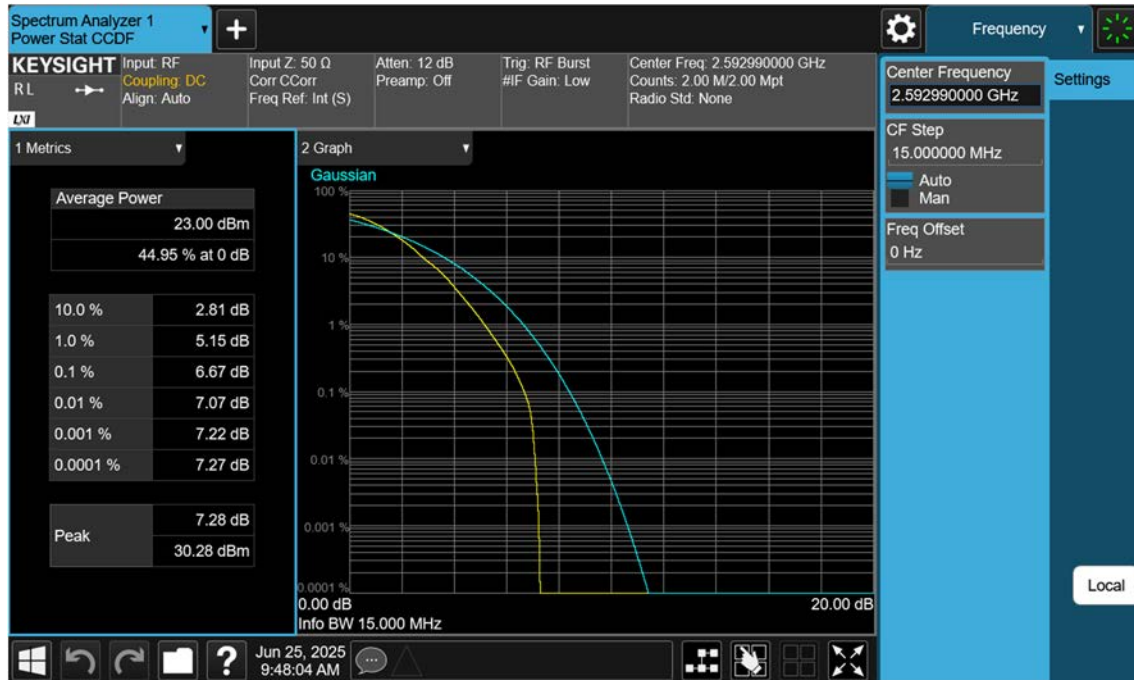
NR41_15 M_PAR_Mid_QPSK_FullRB



NR41_15 M_PAR_Mid_16QAM_FullRB



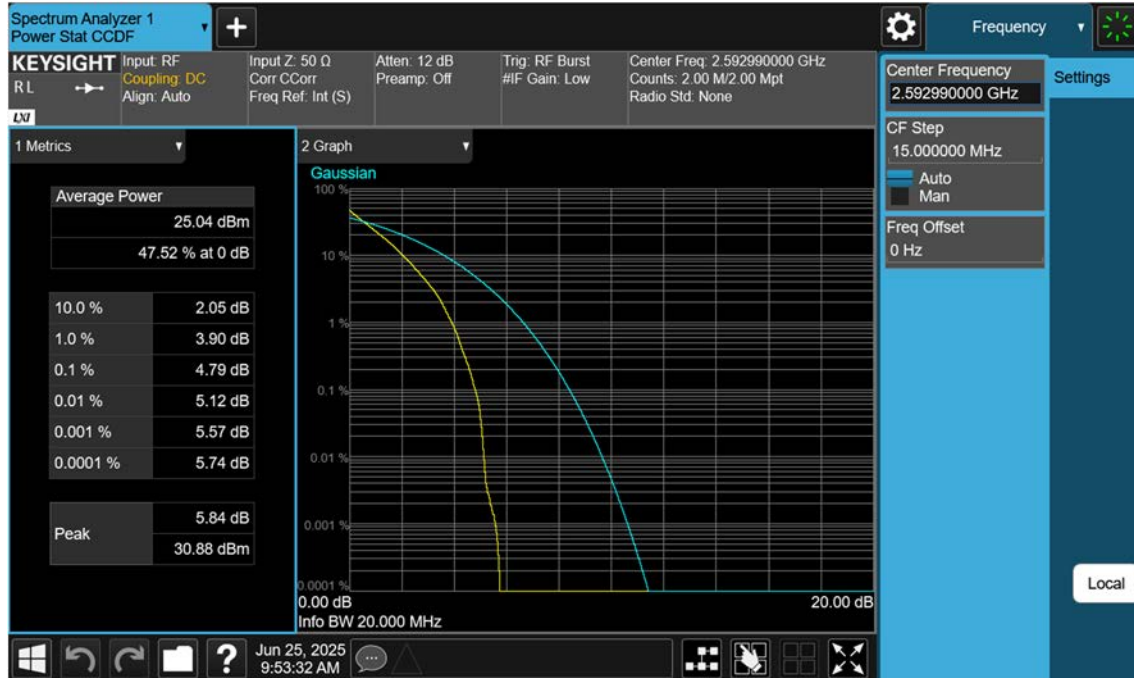
NR41_15 M_PAR_Mid_64QAM_FullRB



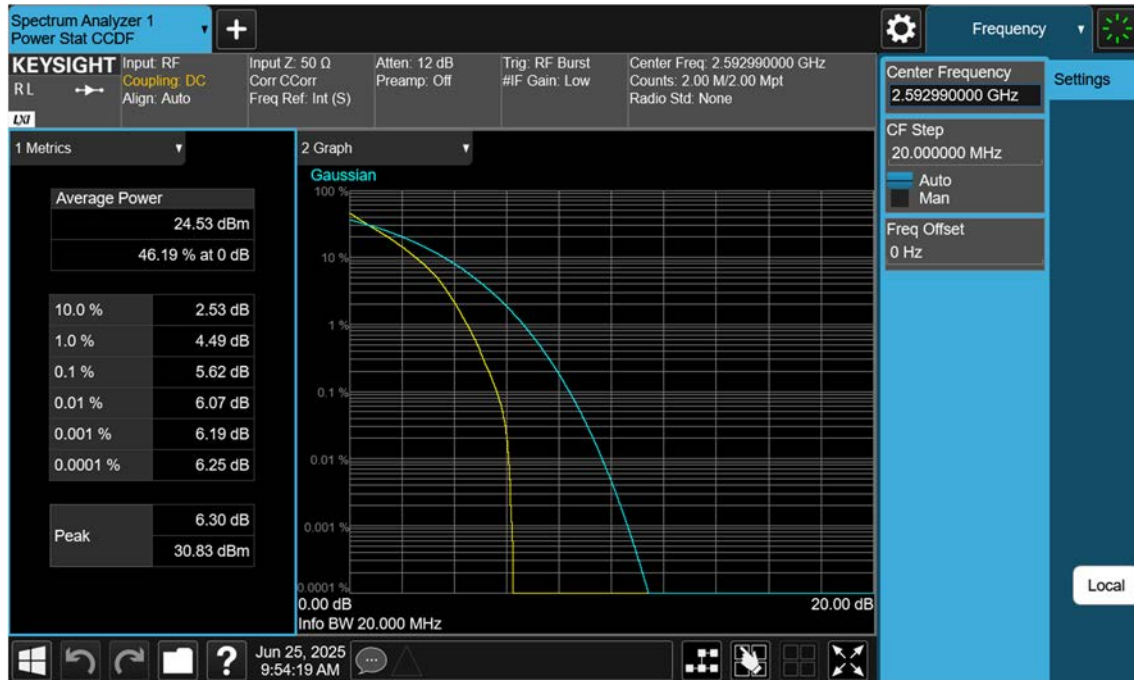
NR41_15 M_PAR_Mid_256QAM_FullRB



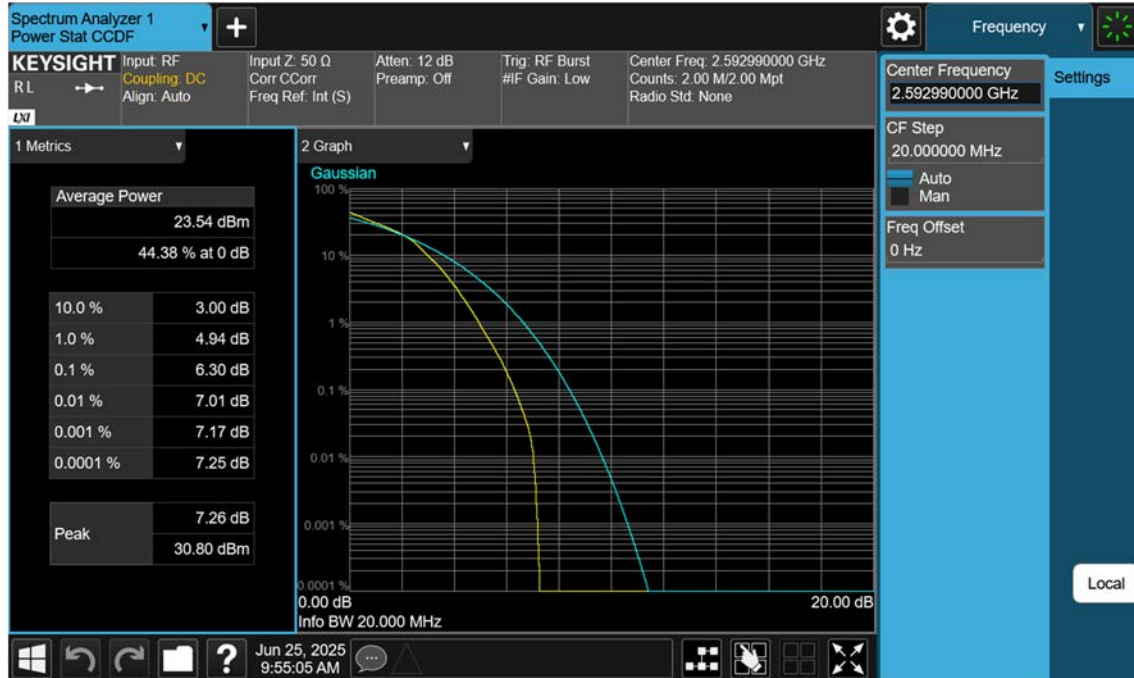
NR41_20 M_PAR_Mid_BPSK_FullRB



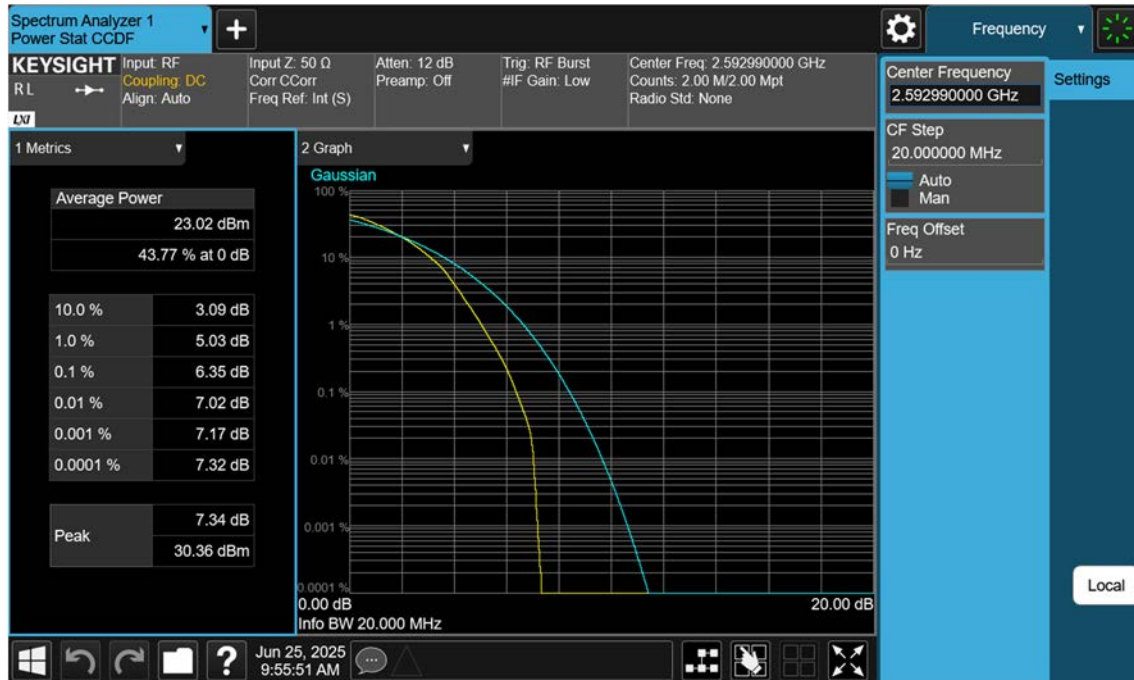
NR41_20 M_PAR_Mid_QPSK_FullRB



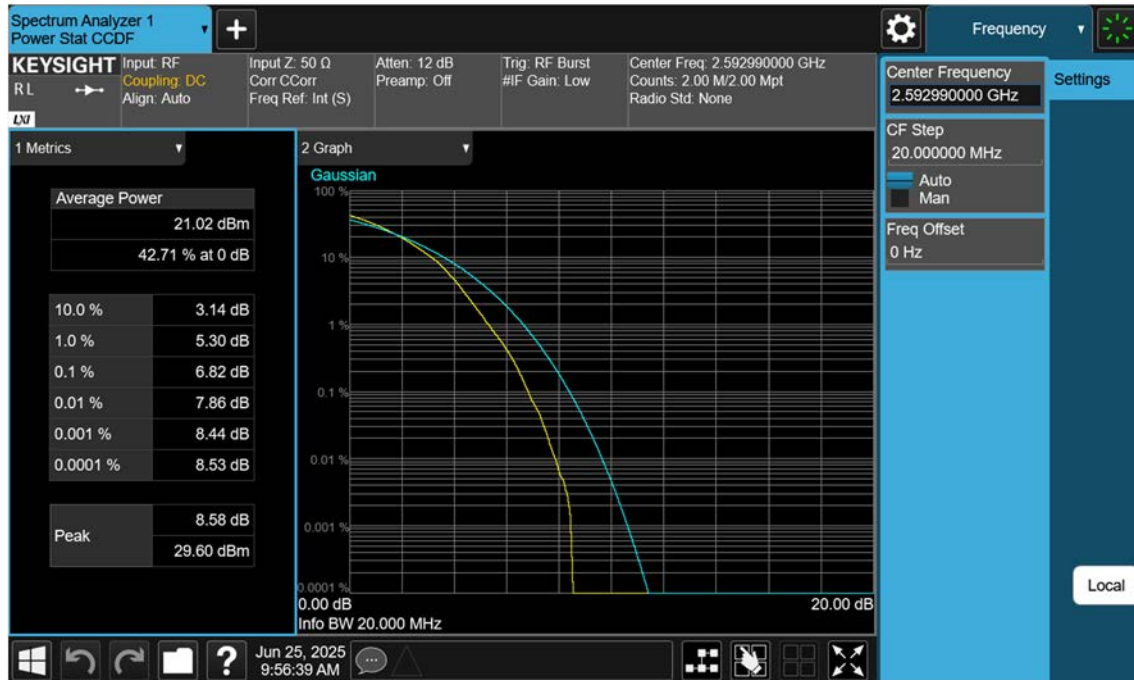
NR41_20 M_PAR_Mid_16QAM_FullRB



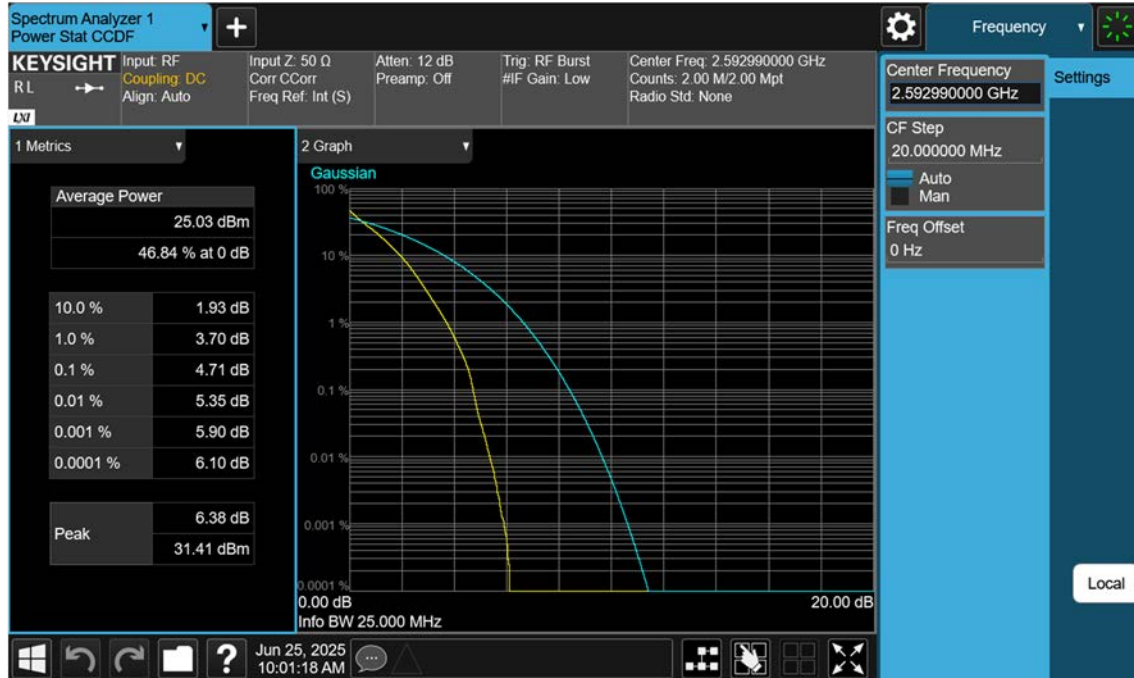
NR41_20 M_PAR_Mid_64QAM_FullRB



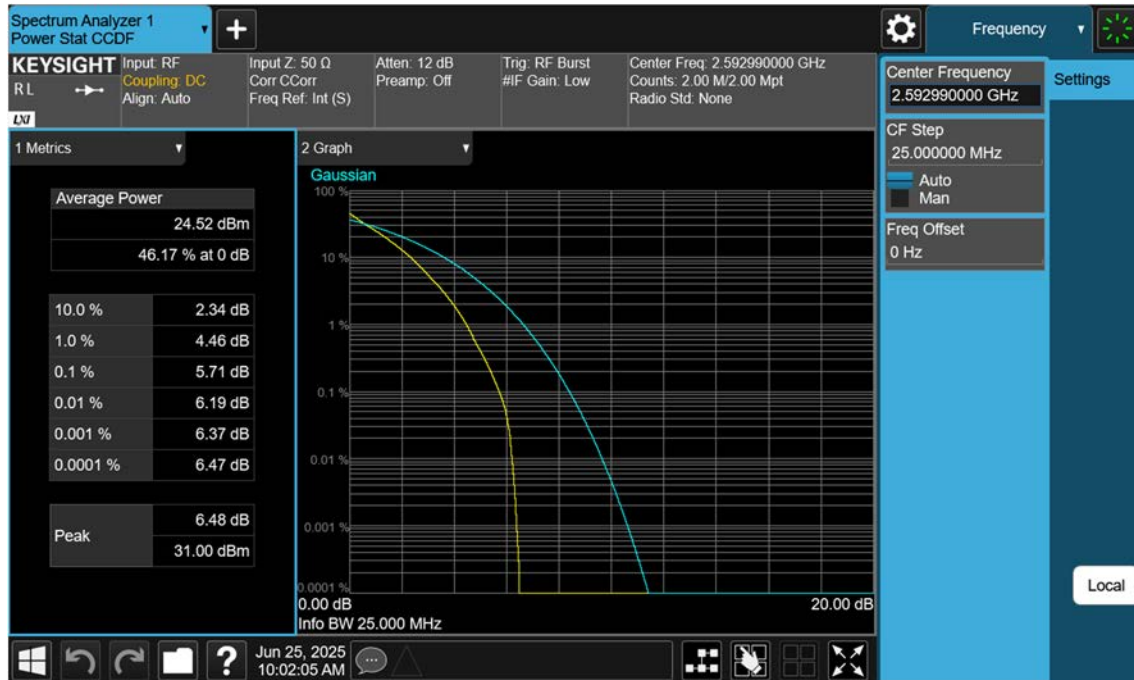
NR41_20 M_PAR_Mid_256QAM_FullRB



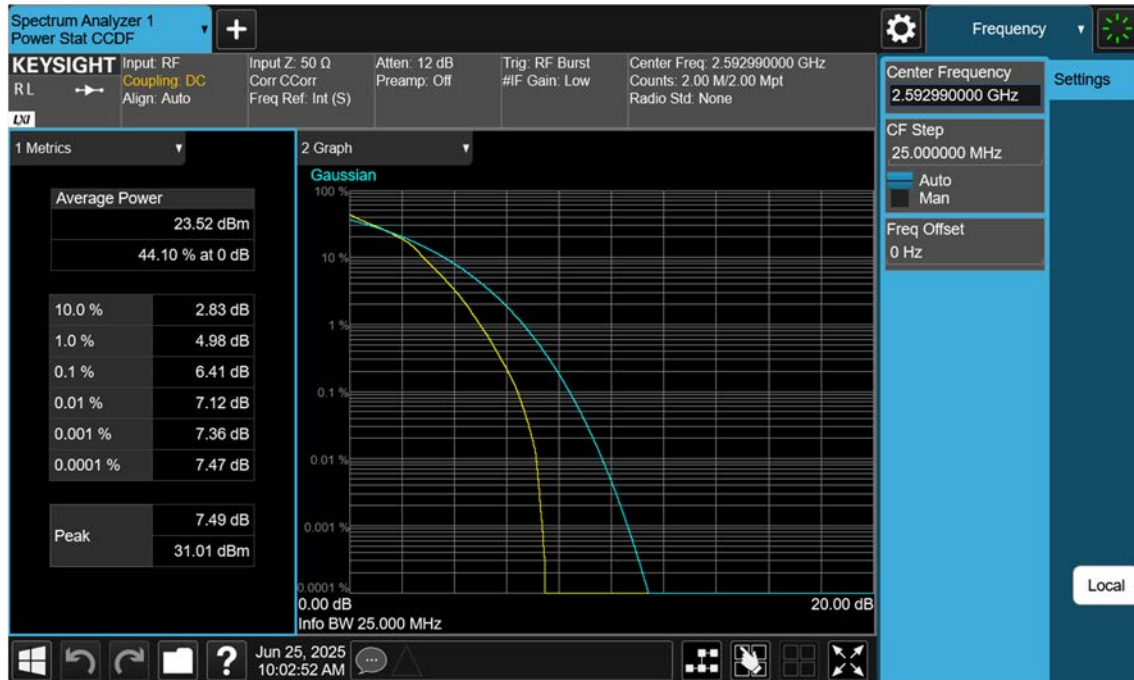
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NR41_25 M_PAR_Mid_QPSK_FullRB



NR41_25 M_PAR_Mid_16QAM_FullRB



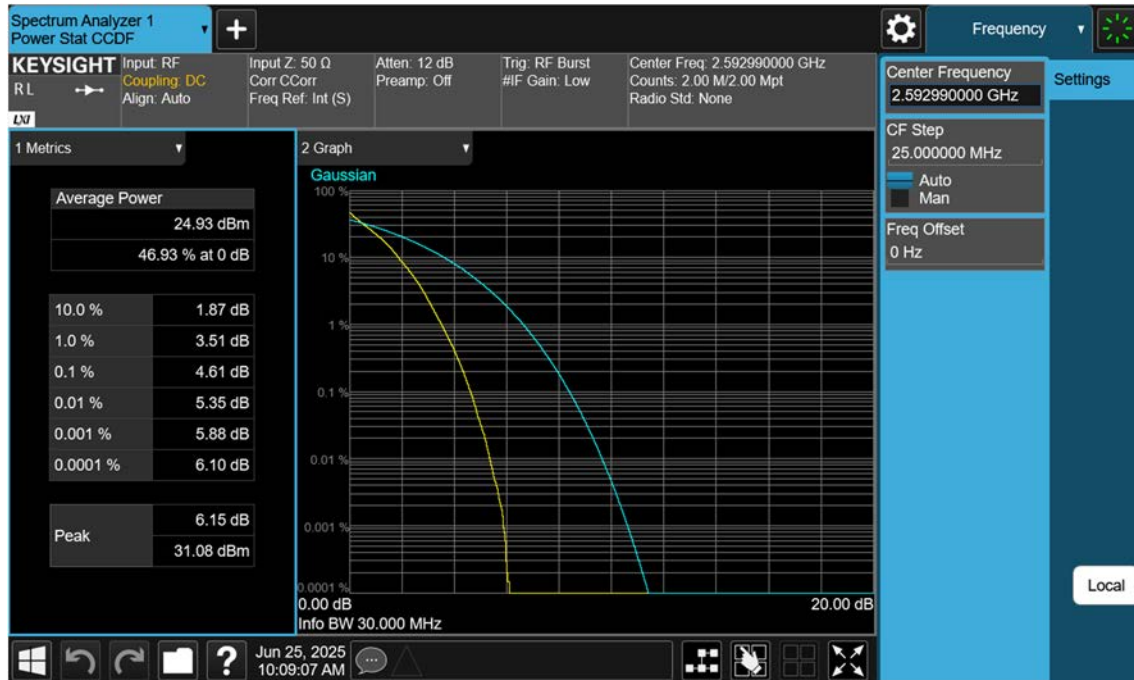
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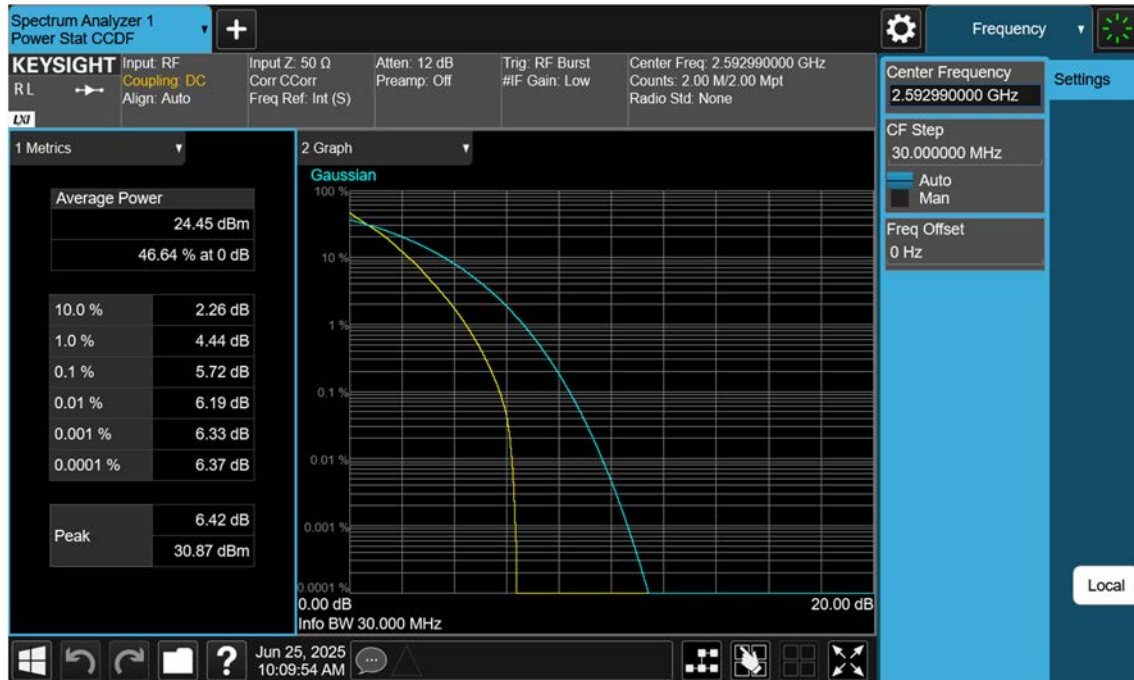
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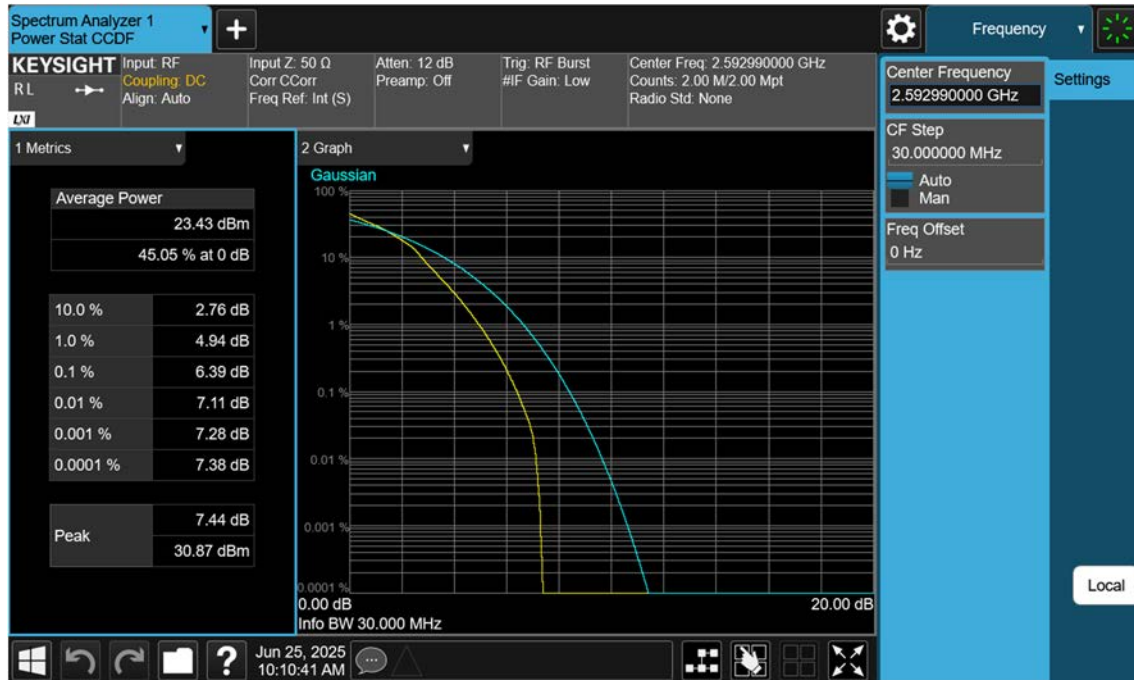
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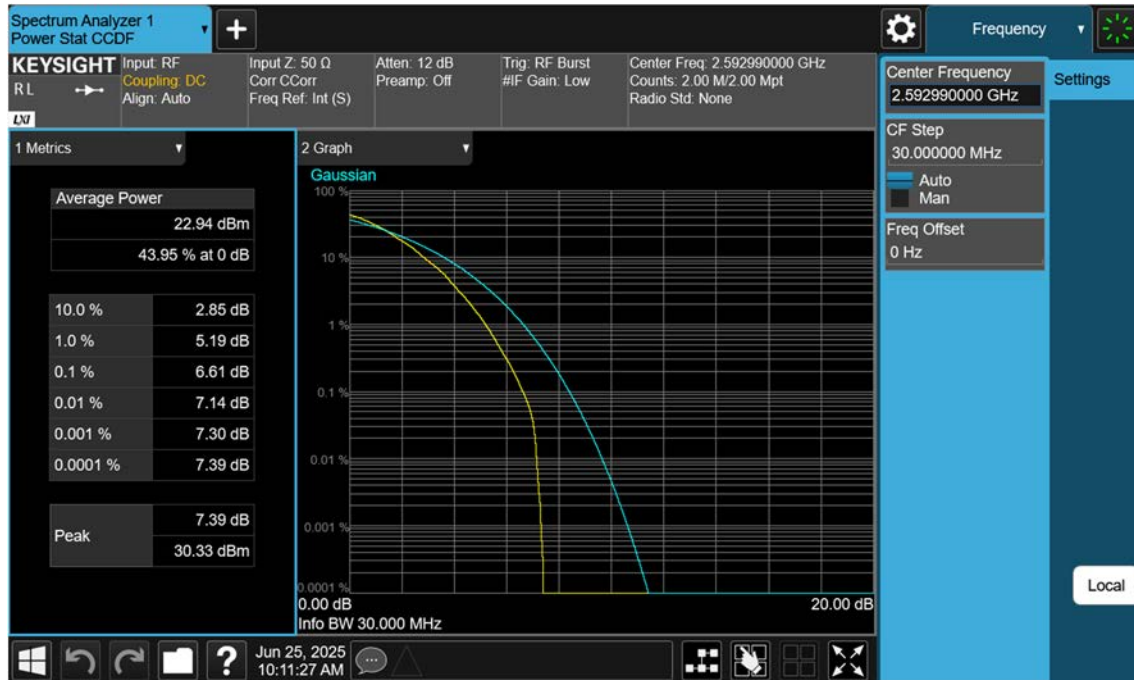
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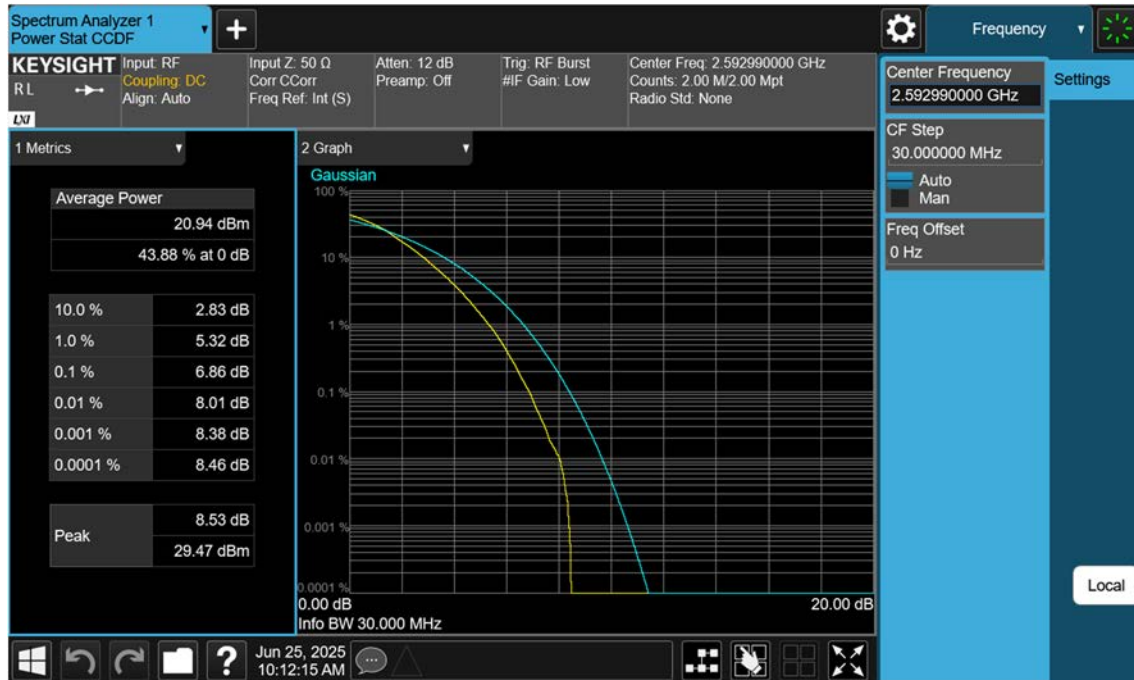
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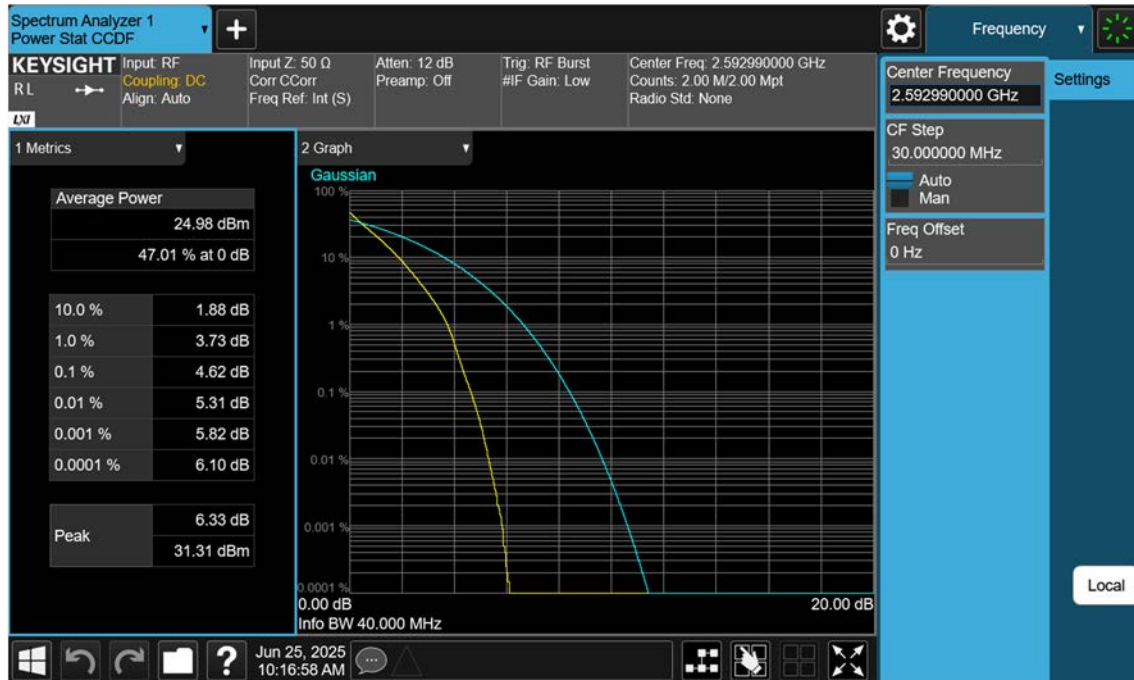
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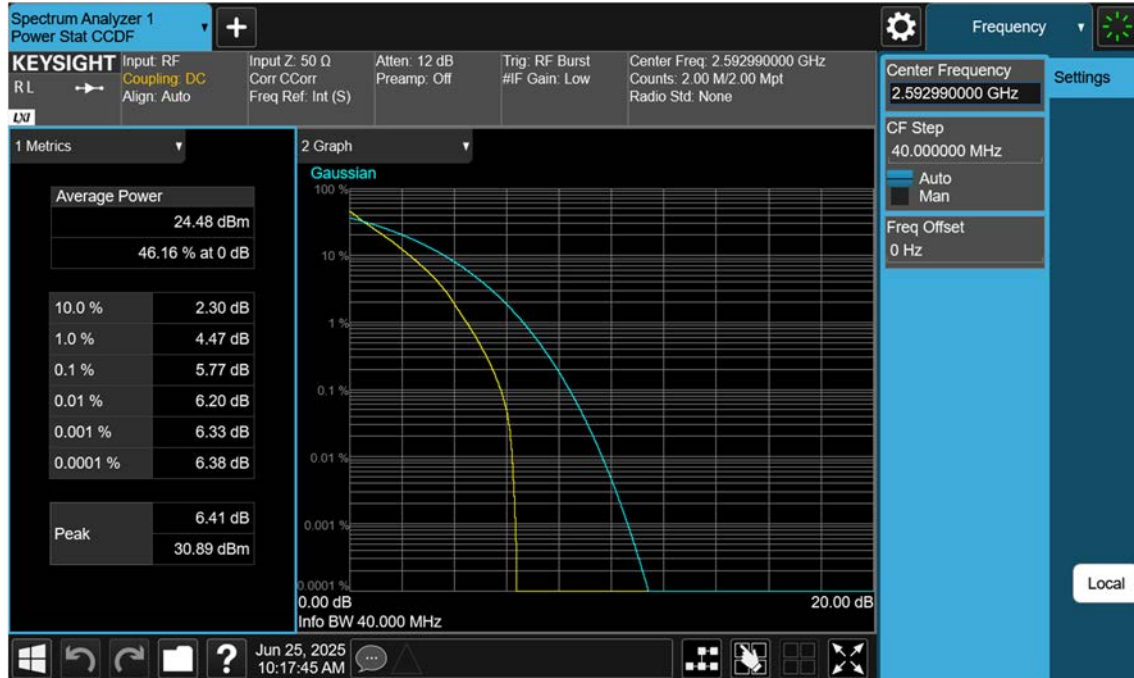
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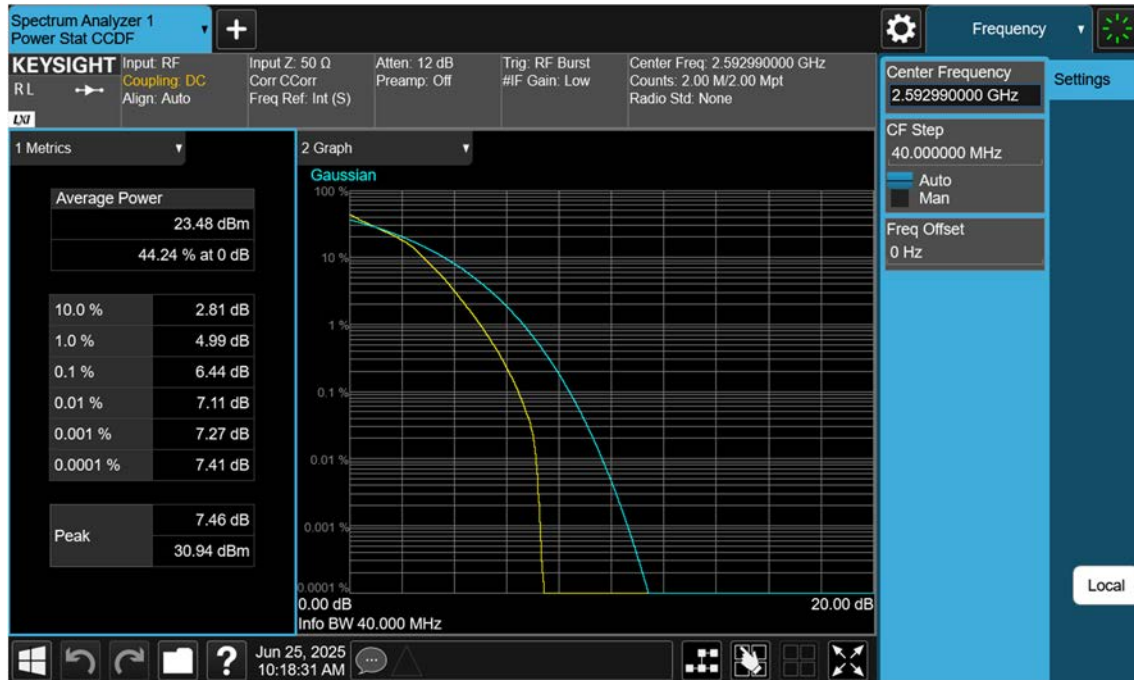
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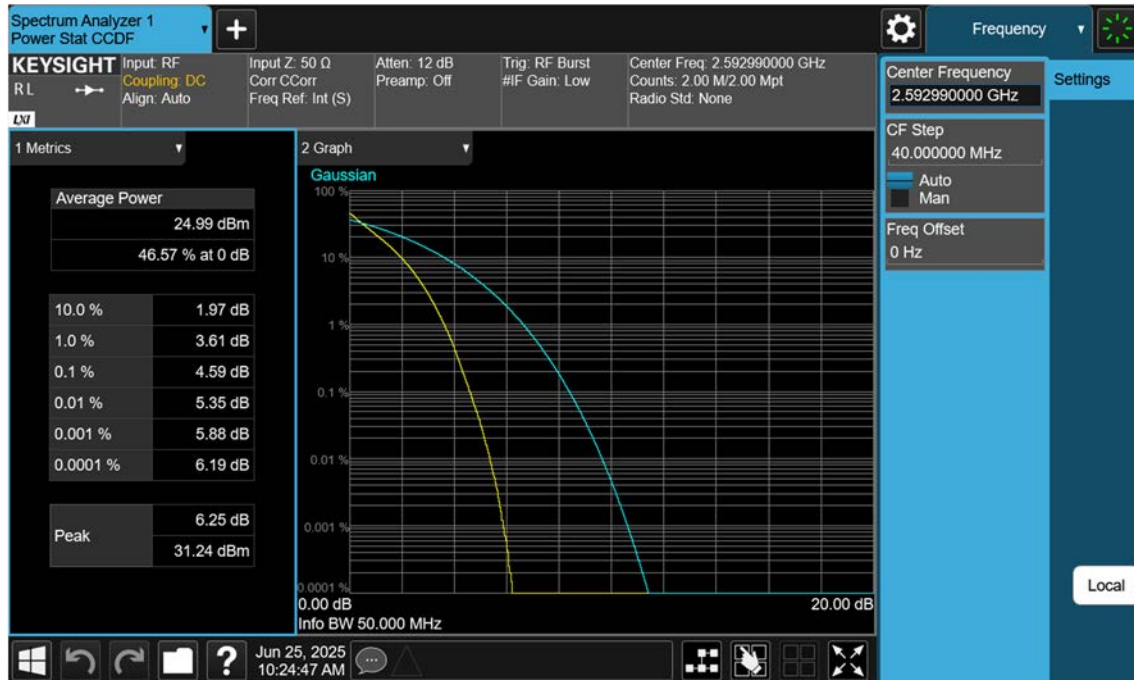
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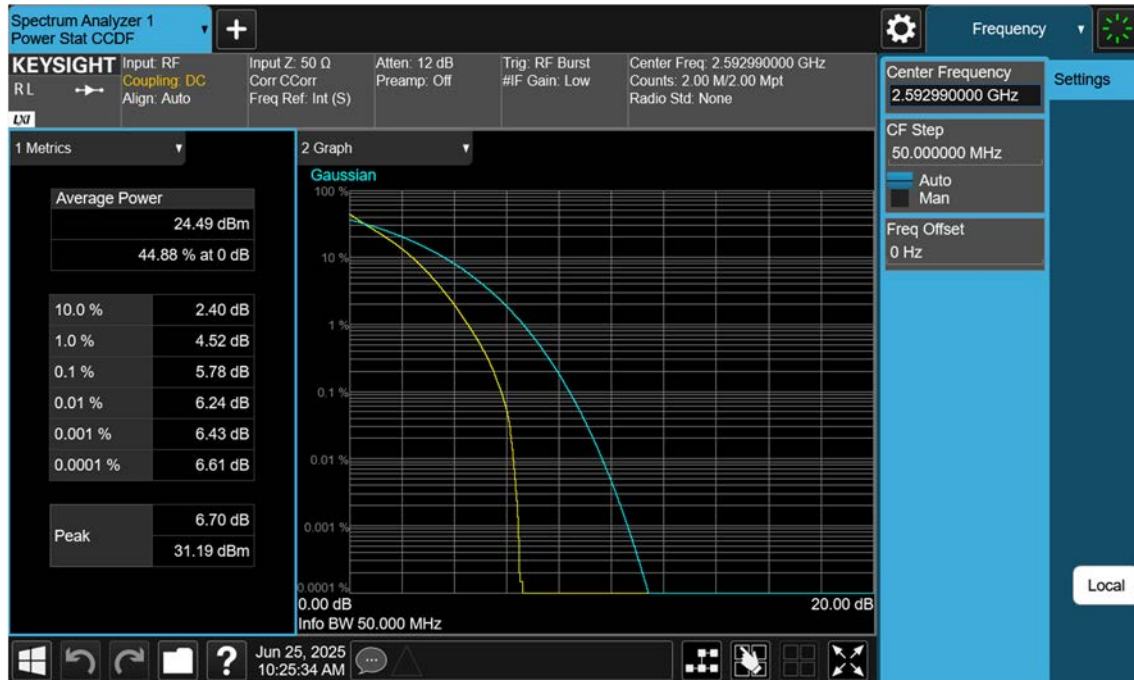
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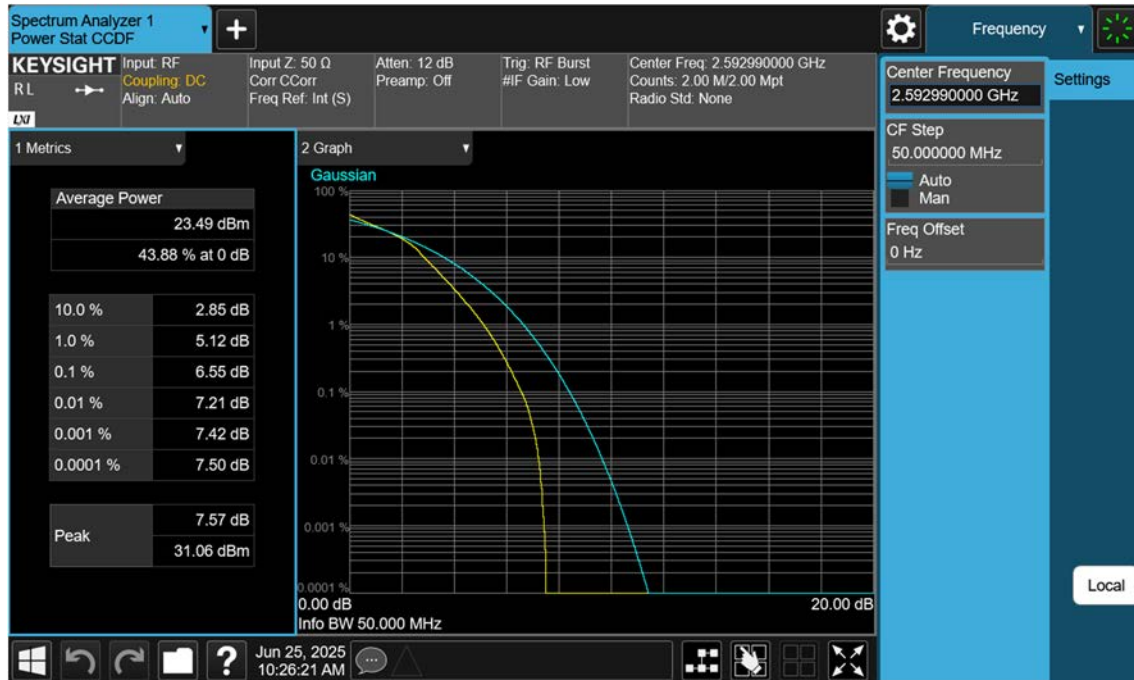
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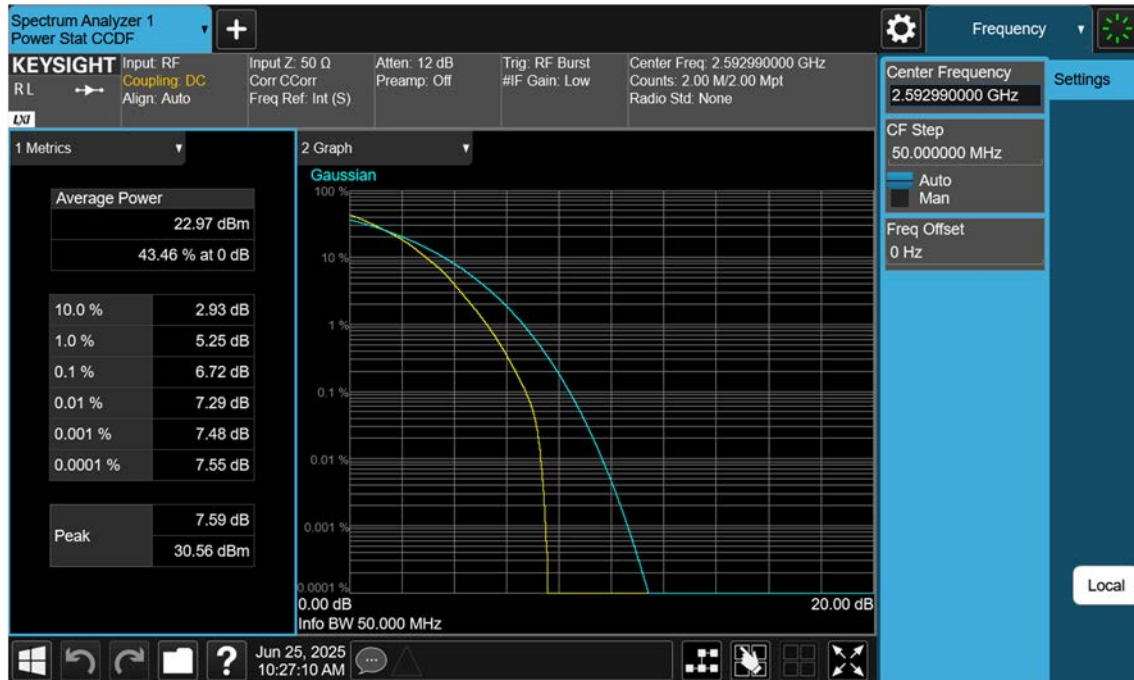
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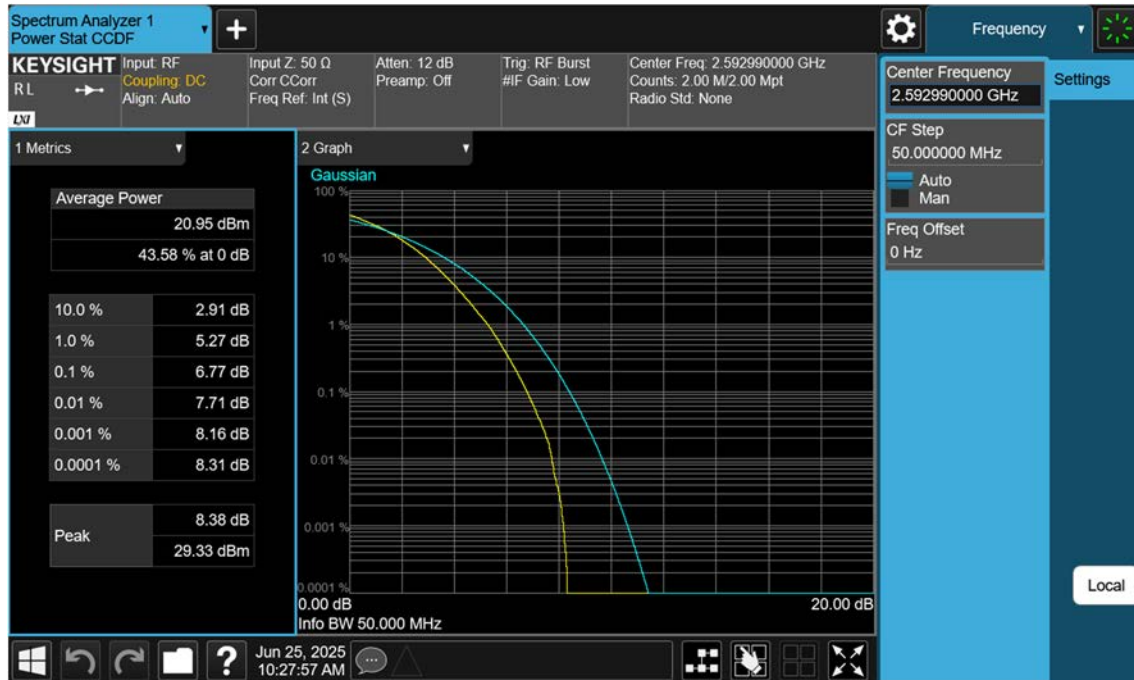
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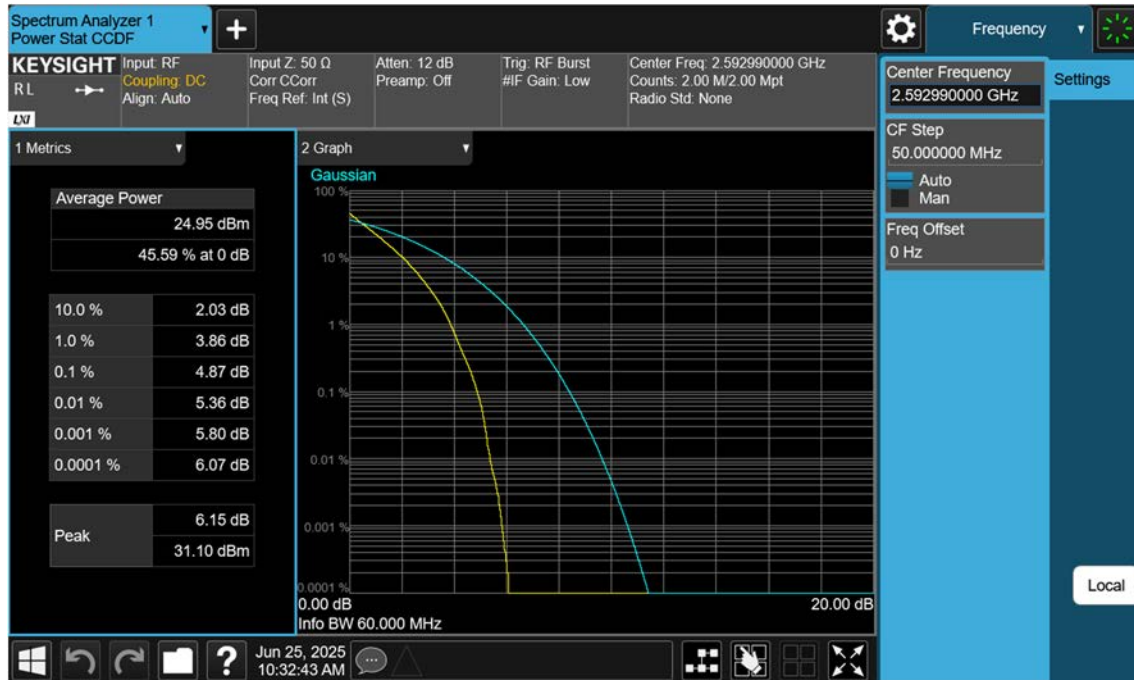
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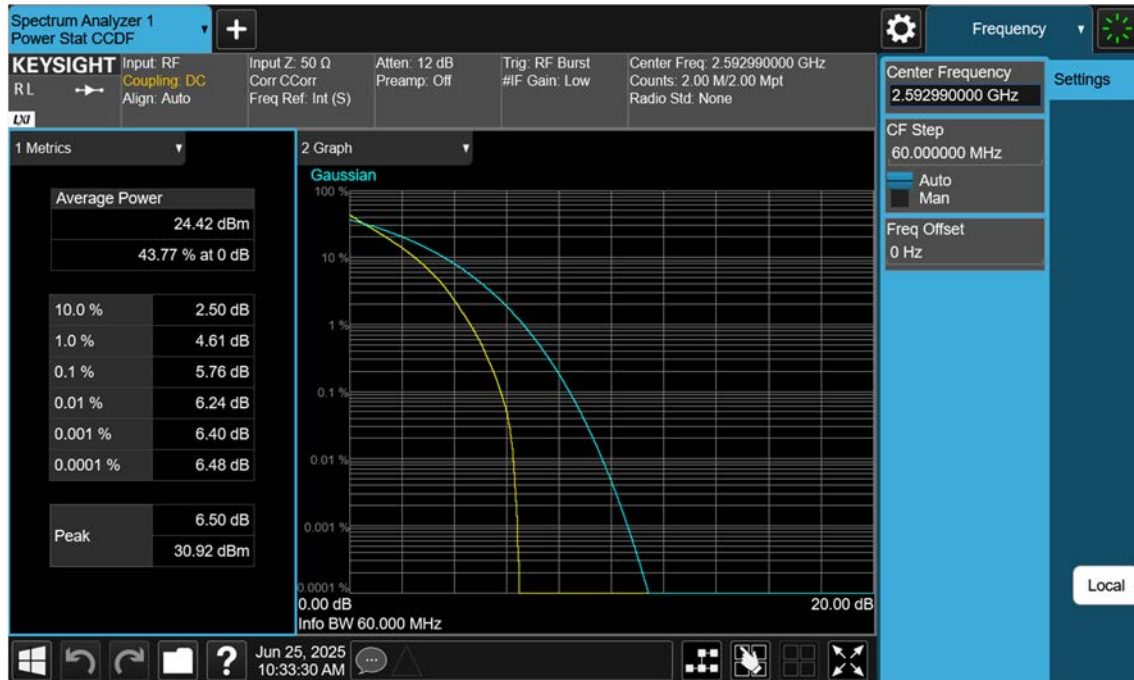
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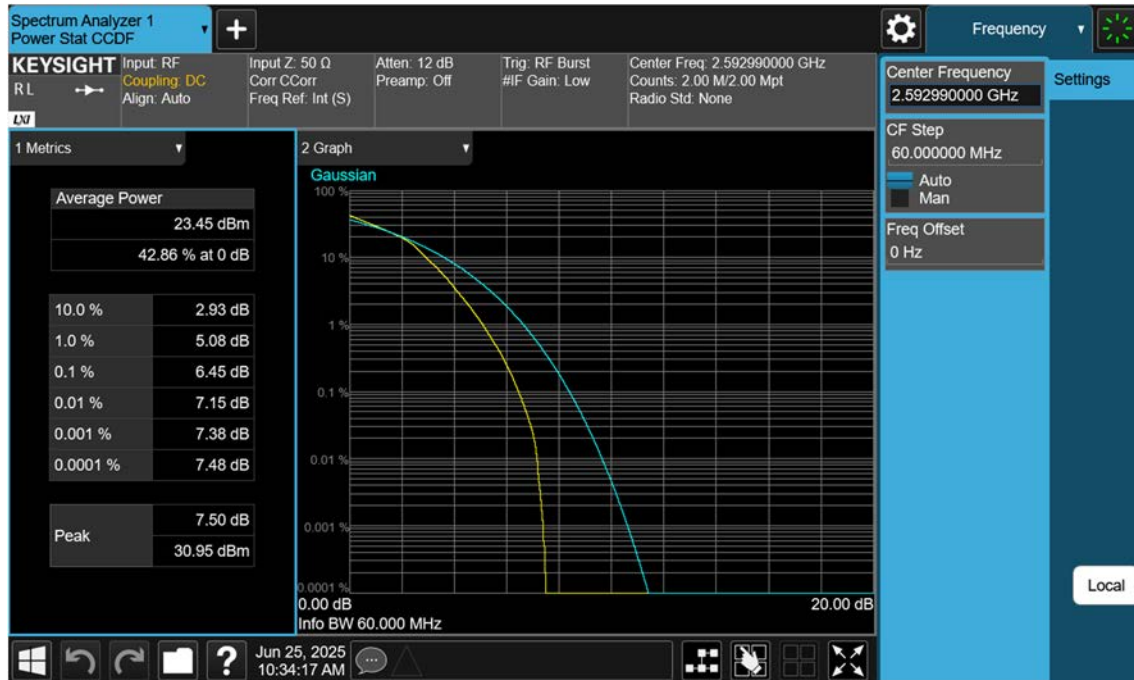
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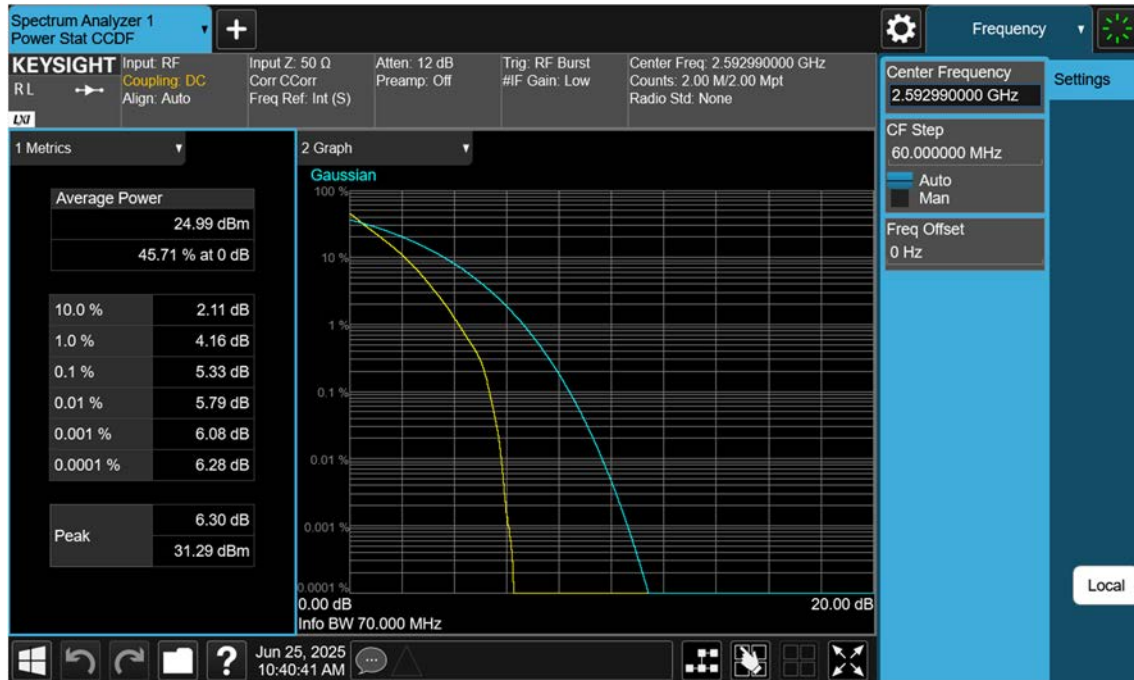
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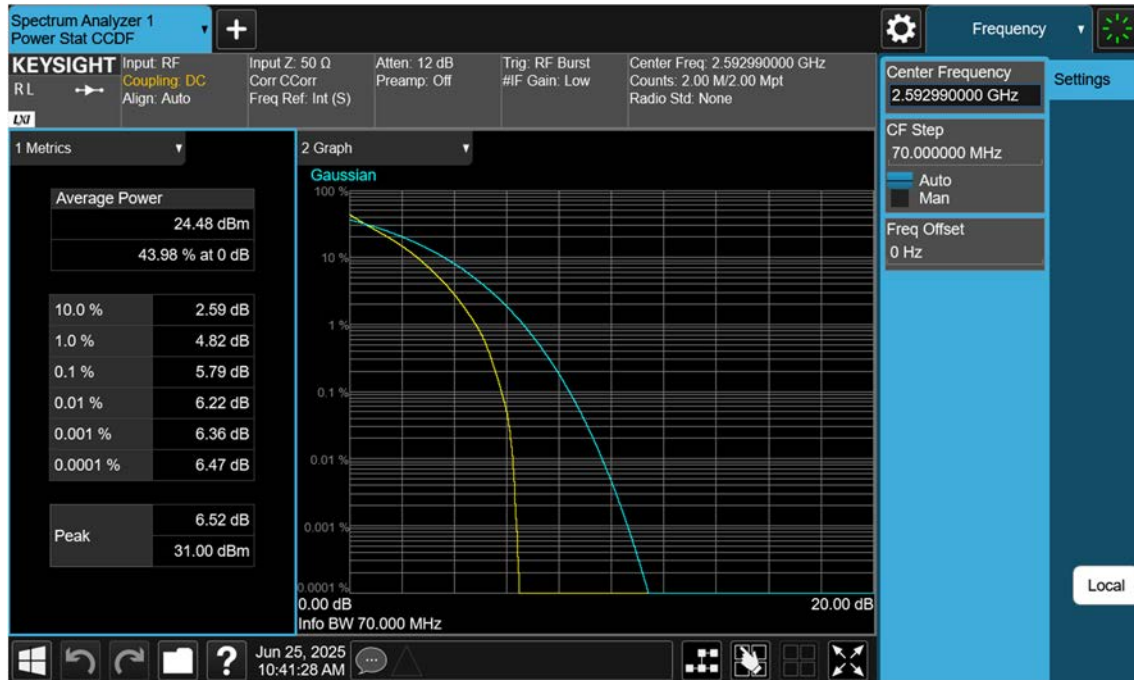
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NR41_70 M_PAR_Mid_BPSK_FullRB



NR41_70 M_PAR_Mid_QPSK_FullRB



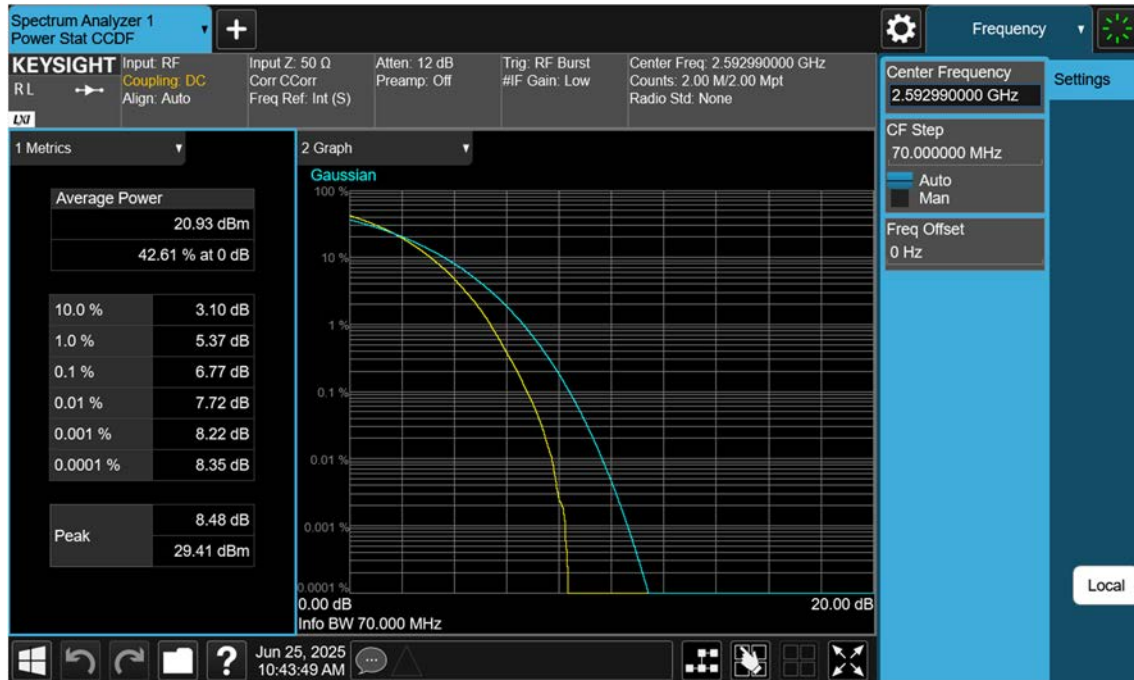
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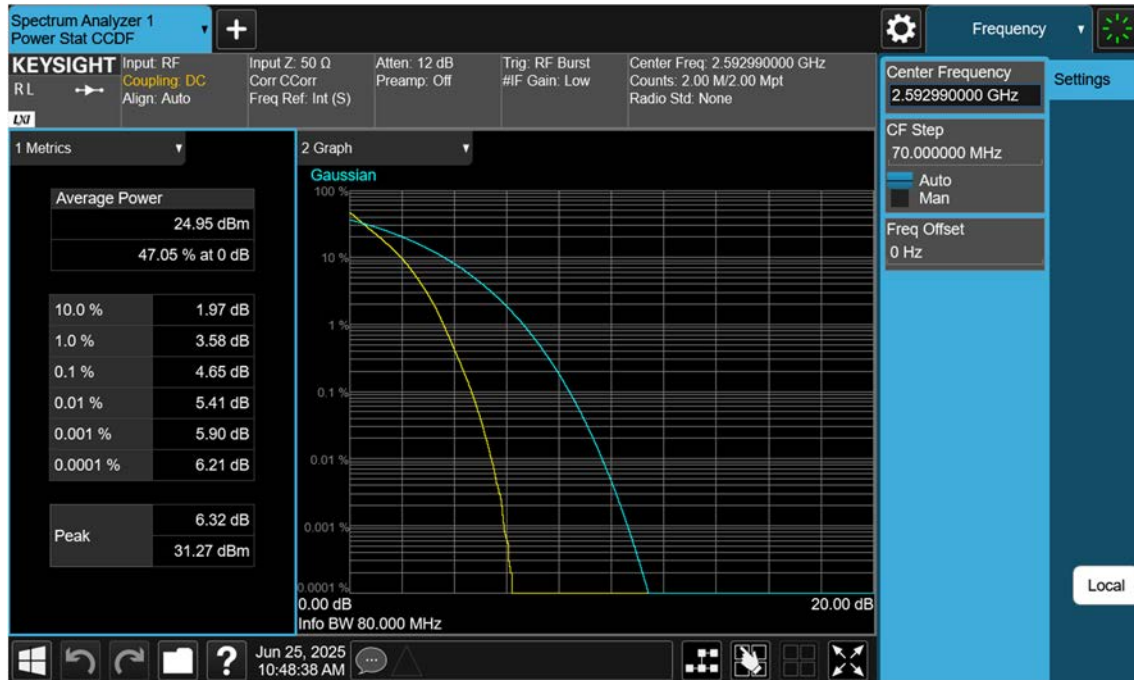
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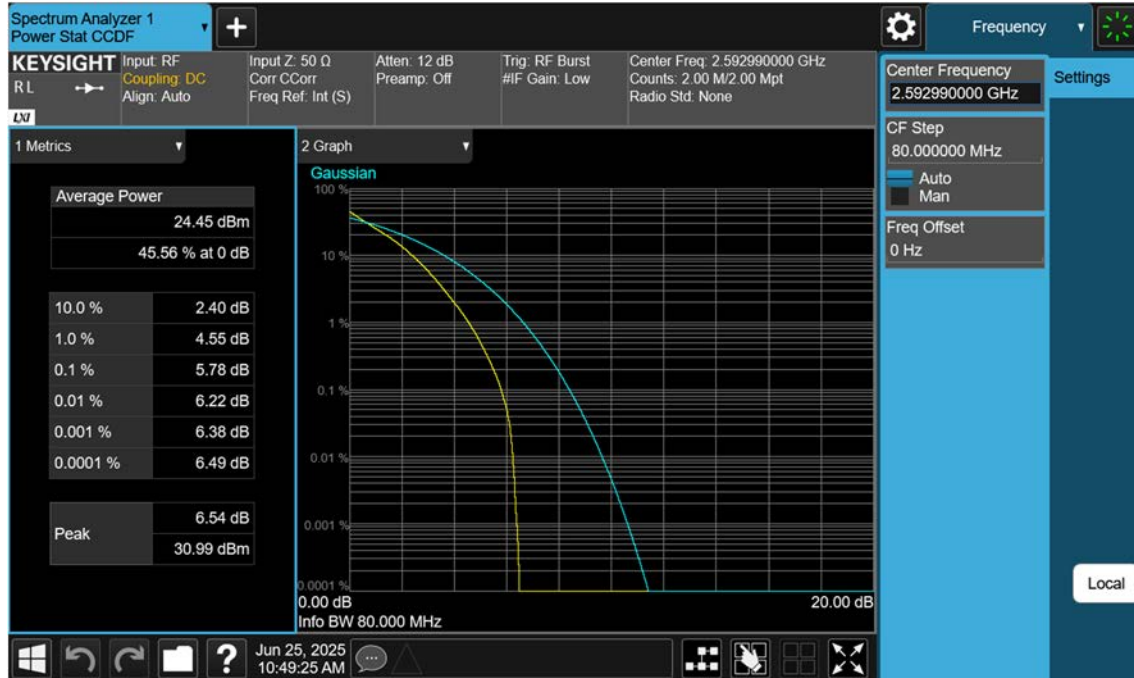
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NR41_80 M_PAR_Mid_BPSK_FullRB



NR41_80 M_PAR_Mid_QPSK_FullRB



NR41_80 M_PAR_Mid_16QAM_FullRB



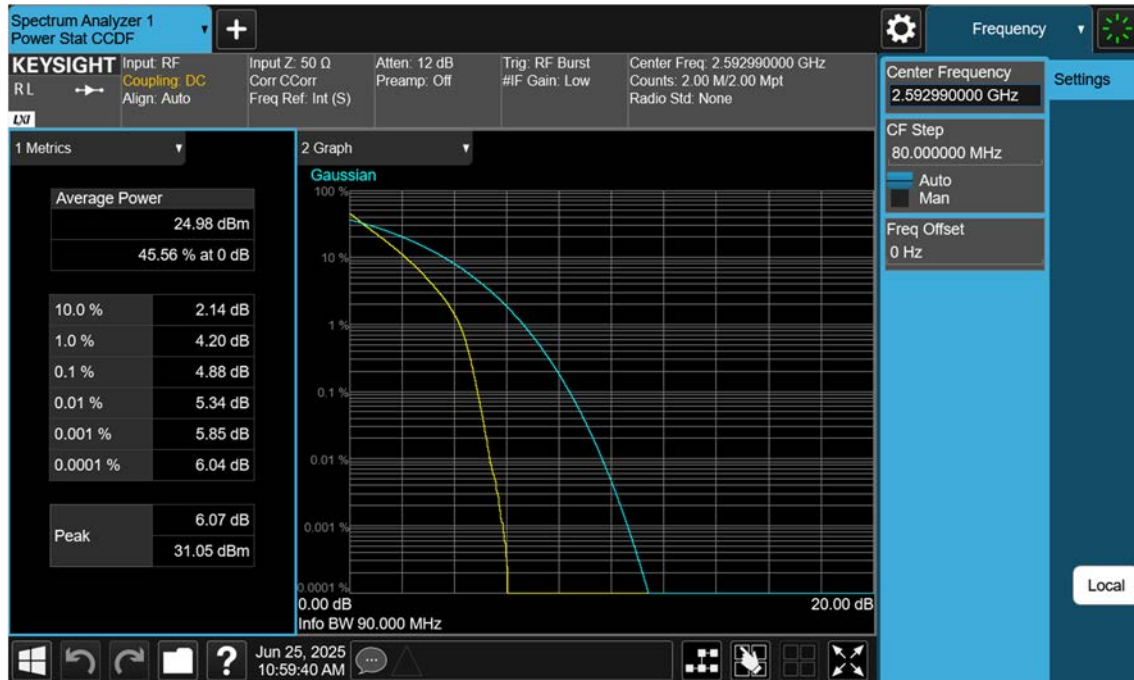
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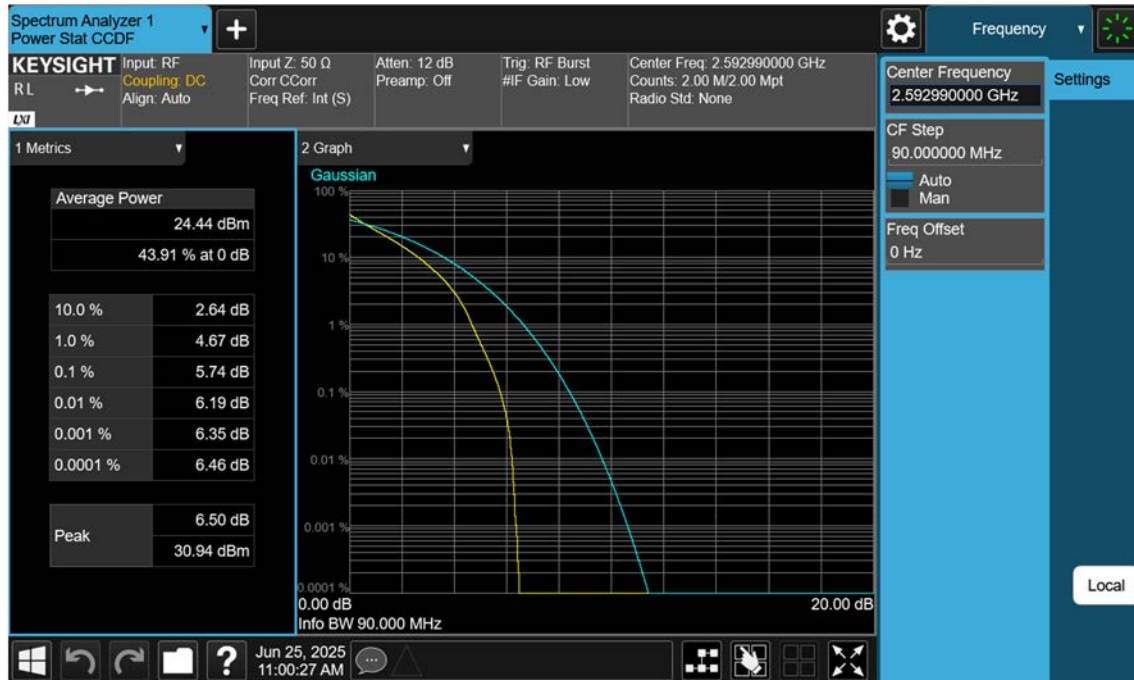
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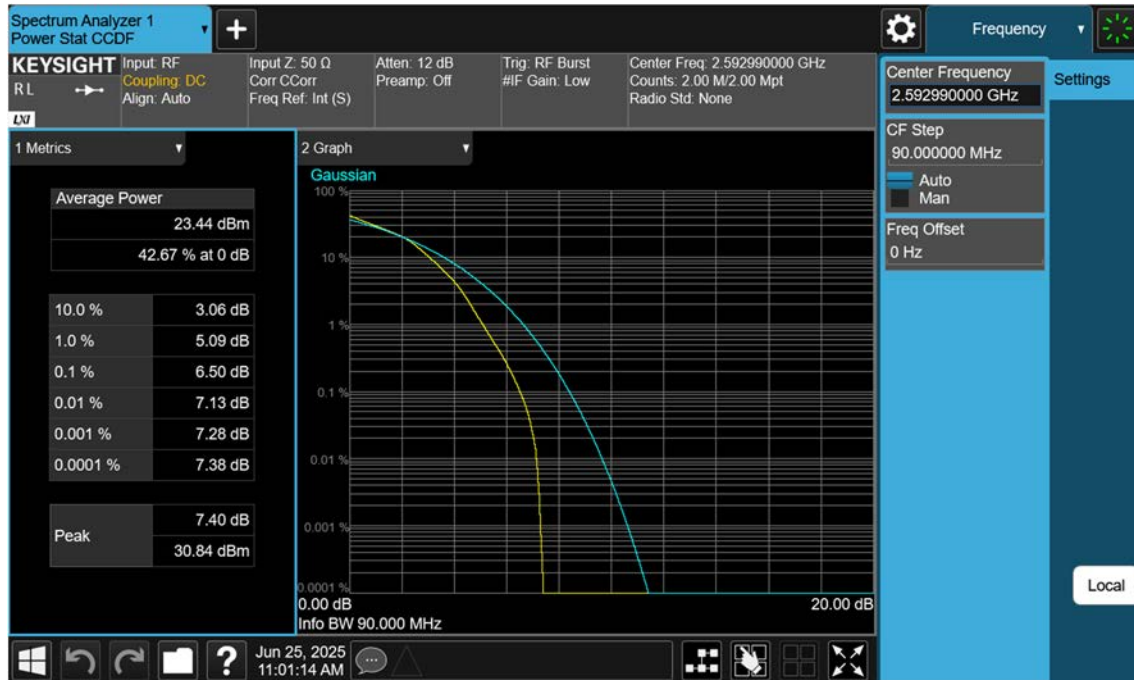
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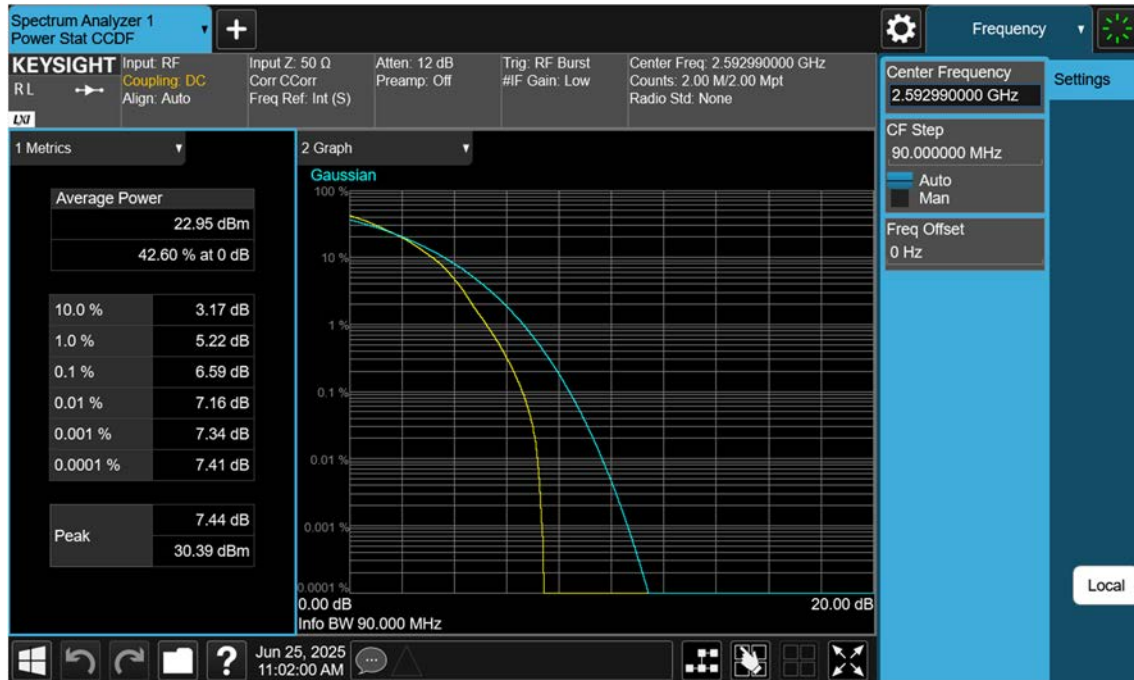
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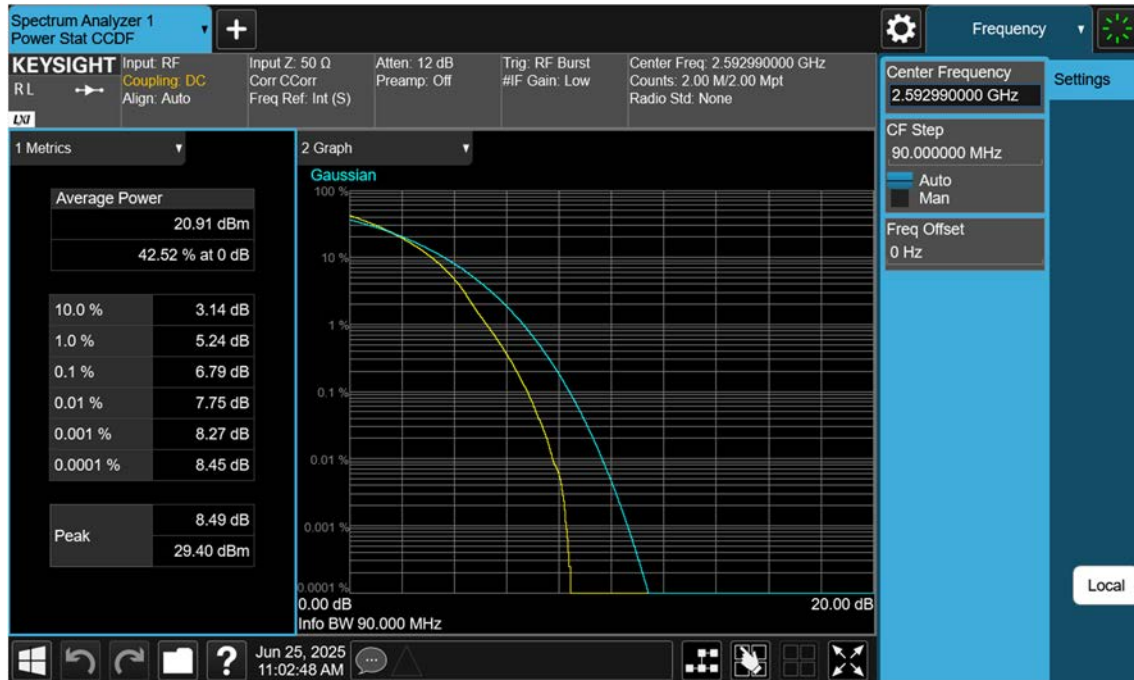
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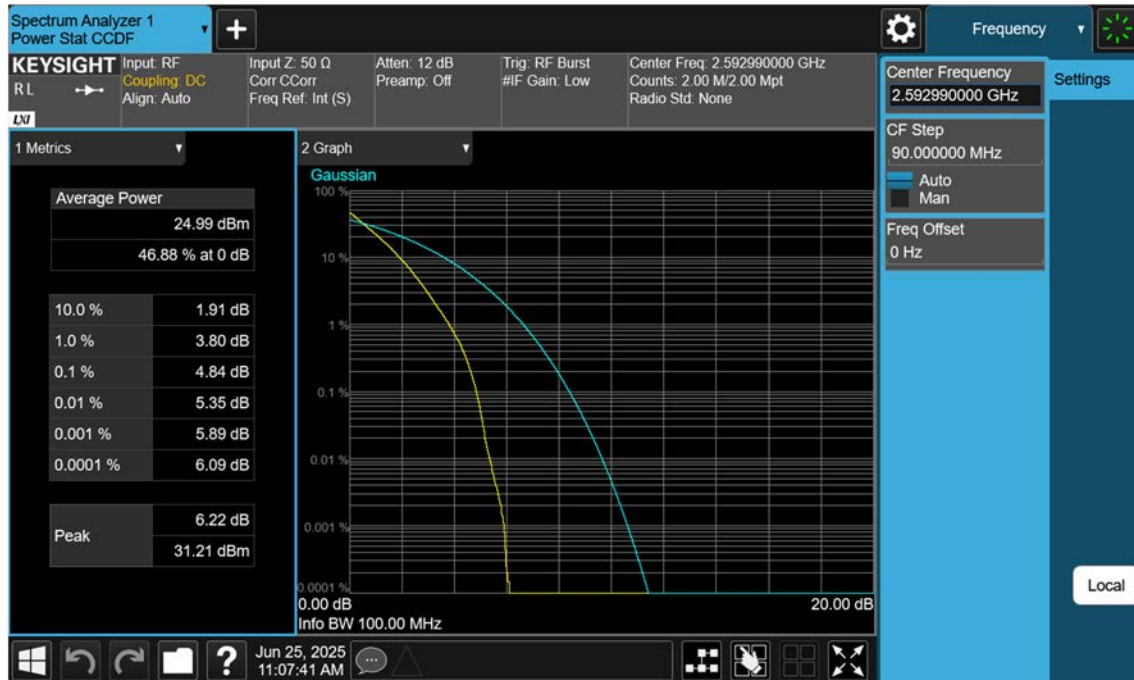
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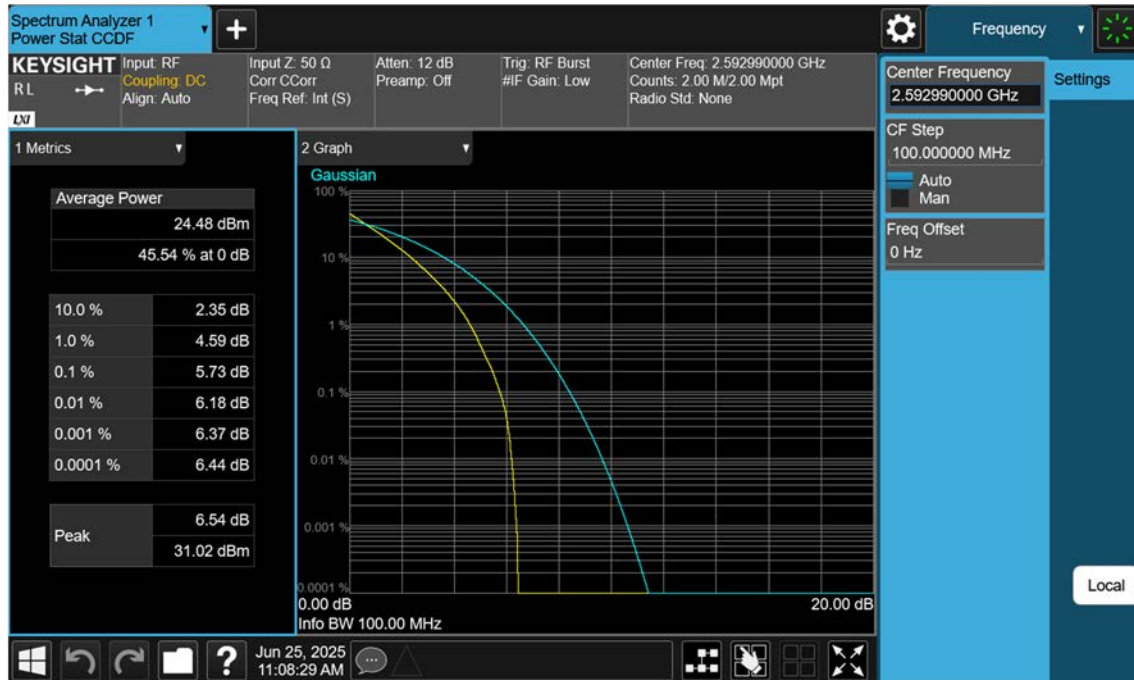
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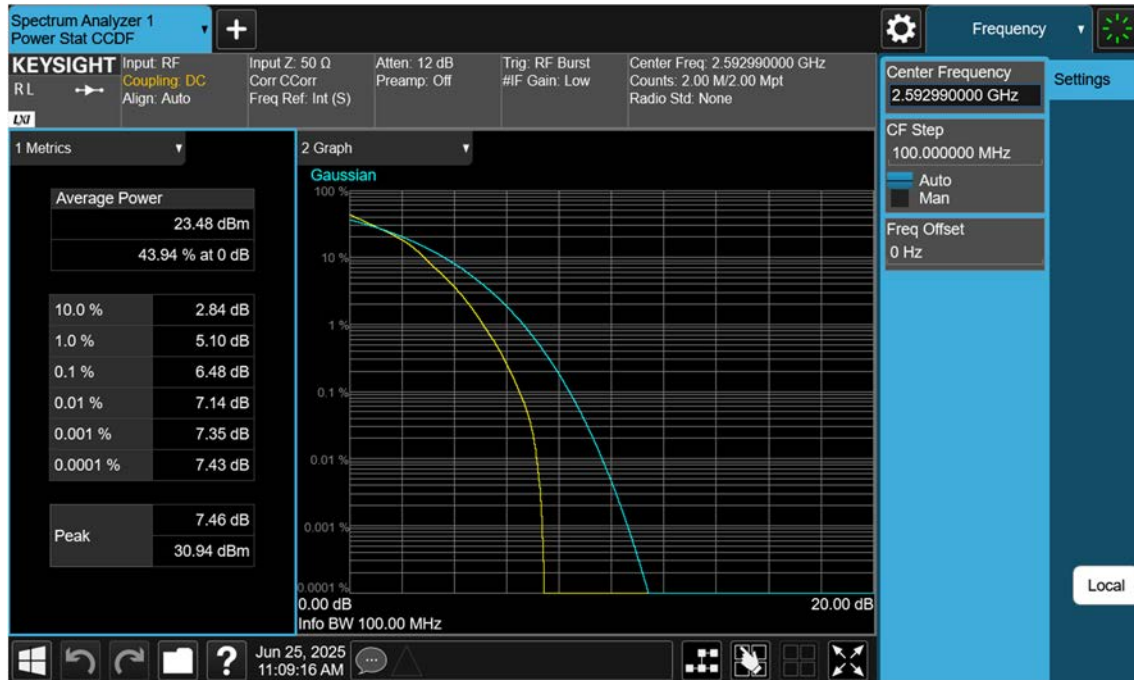
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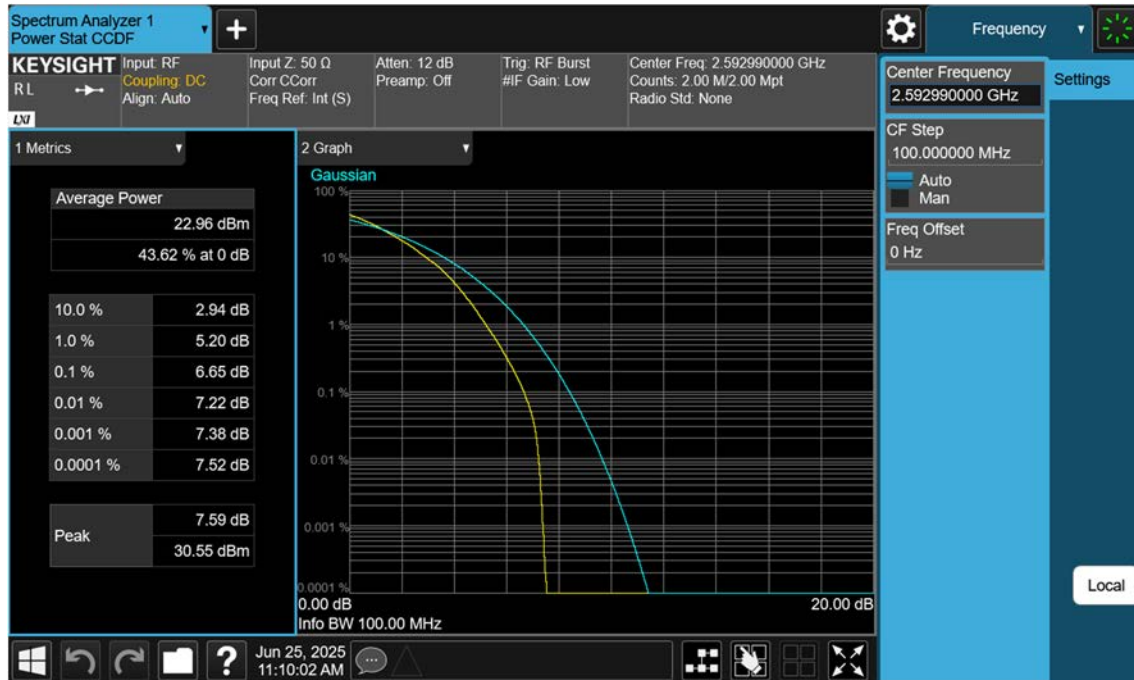
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NR41_100 M_PAR_Mid_16QAM_FullRB



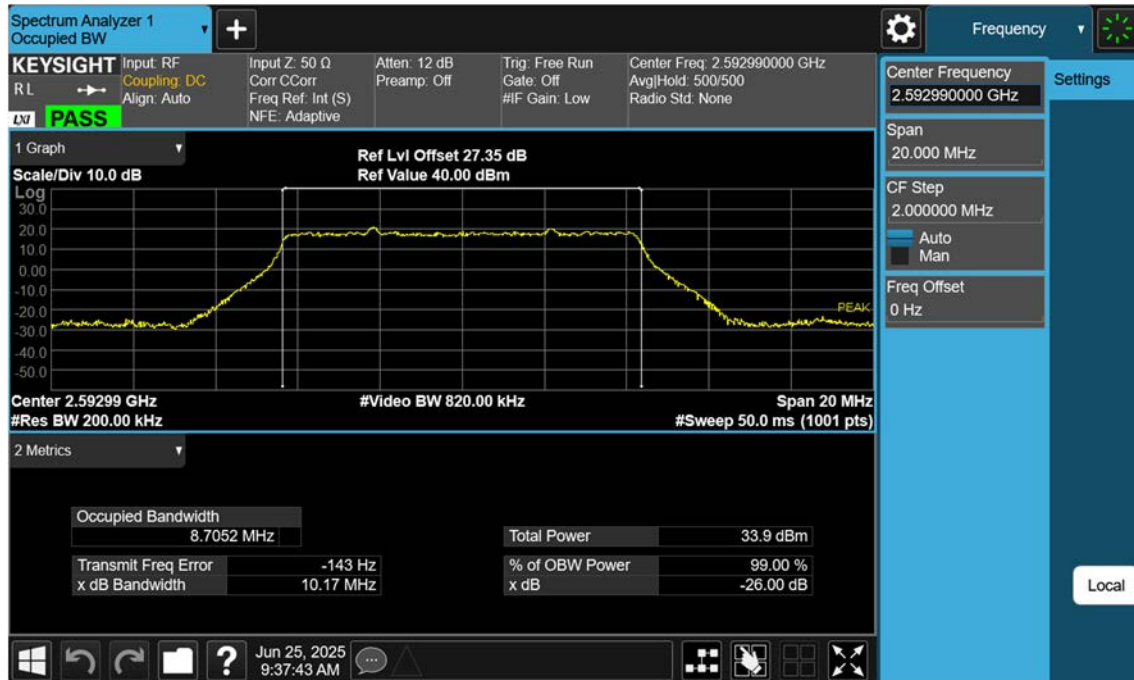
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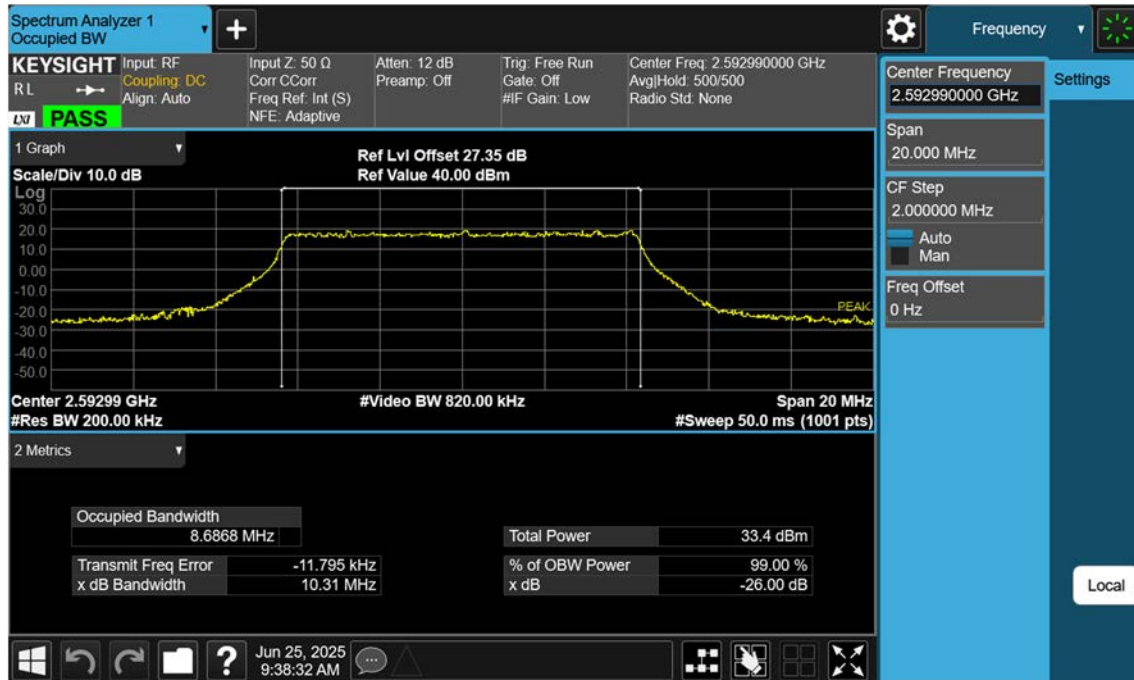
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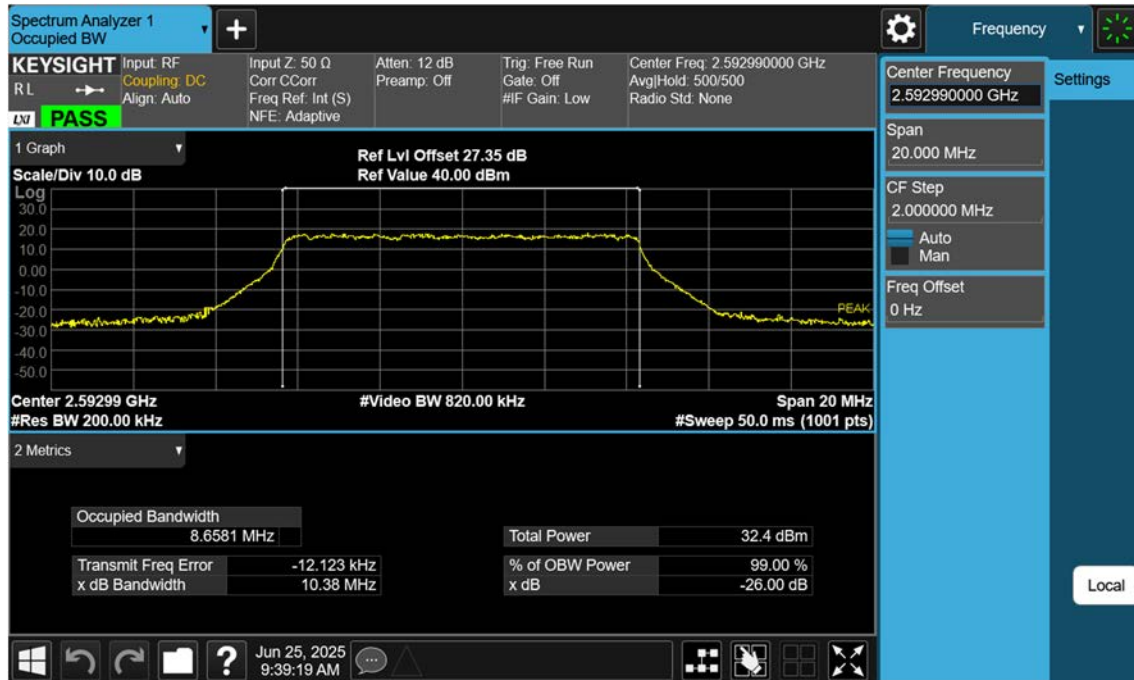
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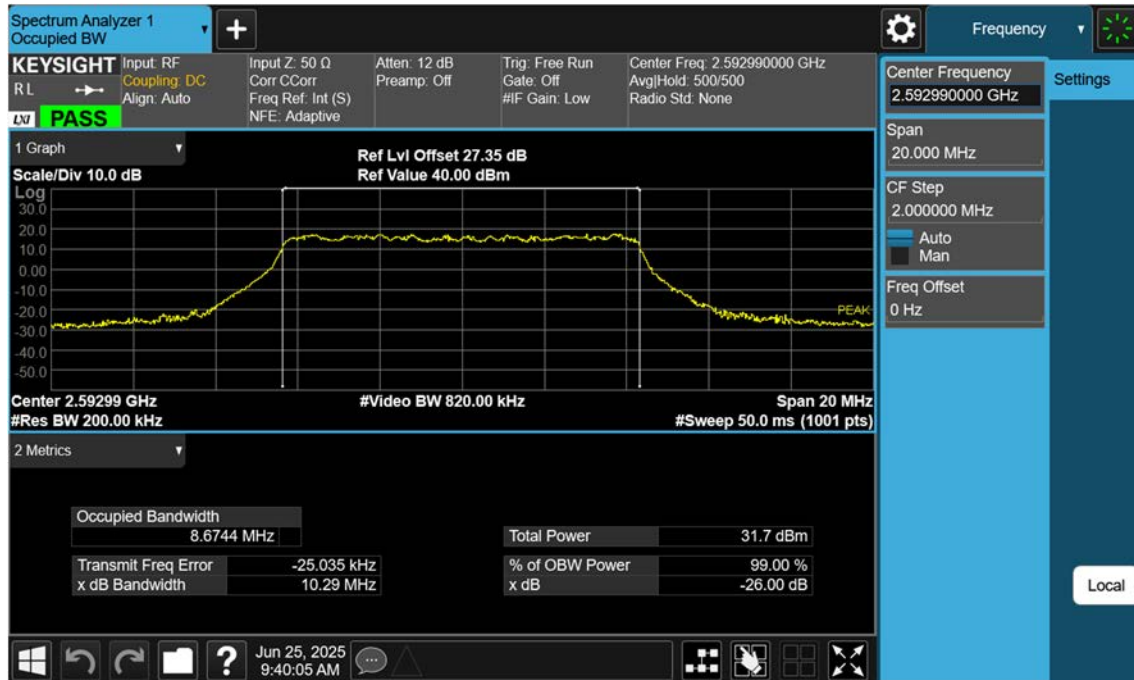
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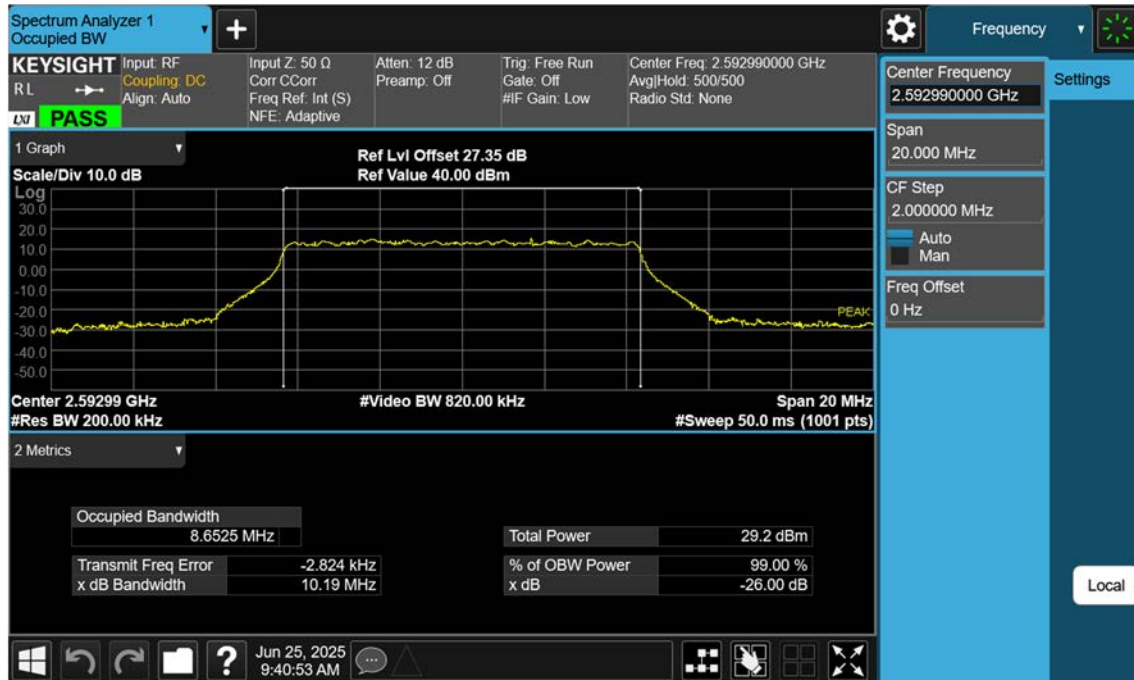
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NR41_10 M_OBW_Mid_64QAM_FullRB



NR41_10 M_OBW_Mid_256QAM_FullRB



NR41_15 M_OBW_Mid_BPSK_FullRB

