

TEST REPORT

FCC Sub6 n41(38) Test for SM-F766U
Certification

APPLICANT
SAMSUNG Electronics Co., Ltd.

REPORT NO.
HCT-RF-2504-FC024-R2

DATE OF ISSUE
May 27, 2025

Tested by
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TEST REPORT

REPORT NO.

HCT-RF-2504-FC024-R2

DATE OF ISSUE

May 27, 2025

Additional Model

SM-F766U1

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-F766U

Date of Test

February 24, 2025 ~ April 21, 2025

FCC ID

A3LSMF766U

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	April 22, 2025	Initial Release
1	May 23, 2025	Revised the Power Supply Voltage. (DC 3.88 V → DC 3.90 V)
2	May 27, 2025	Revised the CSE results on Main 2 ANT. (pages 58 & 241~276)

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

Applicant Name:	SAMSUNG Electronics Co., Ltd.
Address:	129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea
FCC ID:	A3LSMF766U
Application Type:	Certification
FCC Classification:	PCS Licensed Transmitter Held to Ear (PCE)
FCC Rule Part(s):	§ 27
EUT Type:	Mobile Phone
Model(s):	SM-F766U
Additional Model(s)	SM-F766U1
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)
Date(s) of Tests:	February 24, 2025 ~ April 21, 2025
Serial number:	Radiated : R3CY209A81W (Main 2 ANT), R3CY30S8YBP (Sub 5 ANT) Conducted : R3CY207MMQH(Main 2 ANT), R3CY30S8WSY(Sub 5 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	8M70G7D	PI/2 BPSK	0.170	22.31
		8M67G7D	QPSK	0.169	22.28
		8M68W7D	16QAM	0.136	21.34
		8M70W7D	64QAM	0.093	19.69
		8M74W7D	256QAM	0.059	17.71
Sub6 n41(38) (15)	2503.500 – 2682.480	13M0G7D	PI/2 BPSK	0.174	22.40
		13M0G7D	QPSK	0.173	22.39
		13M0W7D	16QAM	0.139	21.44
		12M9W7D	64QAM	0.095	19.76
		13M0W7D	256QAM	0.060	17.80
Sub6 n41(38) (20)	2506.020 – 2679.990	18M0G7D	PI/2 BPSK	0.177	22.48
		18M0G7D	QPSK	0.175	22.42
		18M0W7D	16QAM	0.141	21.49
		17M9W7D	64QAM	0.095	19.80
		18M0W7D	256QAM	0.060	17.79
Sub6 n41(38) (25)	2508.510 – 2677.500	23M0G7D	PI/2 BPSK	0.181	22.57
		23M0G7D	QPSK	0.179	22.53
		23M0W7D	16QAM	0.134	21.27
		23M0W7D	64QAM	0.098	19.92
		23M0W7D	256QAM	0.060	17.75
Sub6 n41(38) (30)	2511.000 – 2674.980	27M1G7D	PI/2 BPSK	0.180	22.56
		27M1G7D	QPSK	0.179	22.54
		27M0W7D	16QAM	0.142	21.53
		27M0W7D	64QAM	0.098	19.93
		26M9W7D	256QAM	0.062	17.91
Sub6 n41(38) (40)	2516.010 – 2670.000	36M0G7D	PI/2 BPSK	0.177	22.48
		35M9G7D	QPSK	0.176	22.45
		36M0W7D	16QAM	0.144	21.59
		36M0W7D	64QAM	0.099	19.96
		35M9W7D	256QAM	0.062	17.92
Sub6 n41 (50)	2521.020 – 2664.990	46M0G7D	PI/2 BPSK	0.179	22.52
		46M1G7D	QPSK	0.175	22.44
		46M0W7D	16QAM	0.138	21.39
		46M0W7D	64QAM	0.093	19.67
		45M8W7D	256QAM	0.059	17.72

Sub6 n41 (60)	2526.000 – 2659.980	58M2G7D	PI/2 BPSK	0.190	22.79
		58M2G7D	QPSK	0.185	22.66
		58M4W7D	16QAM	0.143	21.54
		58M1W7D	64QAM	0.102	20.10
		58M3W7D	256QAM	0.066	18.19
Sub6 n41 (70)	2531.010 – 2655.000	64M9G7D	PI/2 BPSK	0.179	22.52
		64M7G7D	QPSK	0.175	22.44
		64M7W7D	16QAM	0.145	21.62
		64M7W7D	64QAM	0.098	19.90
		64M9W7D	256QAM	0.062	17.93
Sub6 n41 (80)	2536.020 – 2649.990	77M6G7D	PI/2 BPSK	0.178	22.50
		77M5G7D	QPSK	0.175	22.43
		77M4W7D	16QAM	0.140	21.47
		77M7W7D	64QAM	0.095	19.79
		77M6W7D	256QAM	0.061	17.83
Sub6 n41 (90)	2541.000 – 2644.980	87M1G7D	PI/2 BPSK	0.202	23.06
		87M3G7D	QPSK	0.198	22.96
		87M4W7D	16QAM	0.161	22.08
		87M4W7D	64QAM	0.109	20.39
		87M2W7D	256QAM	0.068	18.33
Sub6 n41 (100)	2546.010 – 2640.000	96M8G7D	PI/2 BPSK	0.209	23.21
		96M7G7D	QPSK	0.208	23.18
		96M6W7D	16QAM	0.158	21.99
		96M8W7D	64QAM	0.117	20.69
		96M6W7D	256QAM	0.071	18.51

Sub 5 ANT

Mode (MHz)	Tx Frequency (MHz)	Emission Designator	Modulation	EIRP	
				Max. Power (W)	Max. Power (dBm)
Sub6 n41(38) (10)	2501.010 – 2685.000	8M67G7D	PI/2 BPSK	0.344	25.37
		8M71G7D	QPSK	0.344	25.36
		8M67W7D	16QAM	0.288	24.60
		8M66W7D	64QAM	0.193	22.85
		8M69W7D	256QAM	0.115	20.59
Sub6 n41(38) (15)	2503.500 – 2682.480	12M9G7D	PI/2 BPSK	0.368	25.66
		12M9G7D	QPSK	0.359	25.55
		13M0W7D	16QAM	0.275	24.40
		13M0W7D	64QAM	0.198	22.97
		13M0W7D	256QAM	0.120	20.80
Sub6 n41(38) (20)	2506.020 – 2679.990	17M9G7D	PI/2 BPSK	0.347	25.40
		17M9G7D	QPSK	0.345	25.38
		17M9W7D	16QAM	0.255	24.07
		17M9W7D	64QAM	0.175	22.43
		18M0W7D	256QAM	0.113	20.53
Sub6 n41(38) (25)	2508.510 – 2677.500	23M0G7D	PI/2 BPSK	0.350	25.44
		23M0G7D	QPSK	0.346	25.39
		22M9W7D	16QAM	0.273	24.36
		22M9W7D	64QAM	0.192	22.83
		23M0W7D	256QAM	0.120	20.79
Sub6 n41(38) (30)	2511.000 – 2674.980	27M0G7D	PI/2 BPSK	0.373	25.72
		26M9G7D	QPSK	0.356	25.51
		26M9W7D	16QAM	0.281	24.49
		26M9W7D	64QAM	0.204	23.09
		26M8W7D	256QAM	0.124	20.93
Sub6 n41(38) (40)	2516.010 – 2670.000	35M8G7D	PI/2 BPSK	0.349	25.43
		35M8G7D	QPSK	0.345	25.38
		35M8W7D	16QAM	0.270	24.31
		35M8W7D	64QAM	0.189	22.76
		35M9W7D	256QAM	0.117	20.68
Sub6 n41 (50)	2521.020 – 2664.990	46M0G7D	PI/2 BPSK	0.352	25.46
		46M0G7D	QPSK	0.342	25.34
		45M9W7D	16QAM	0.262	24.18
		45M8W7D	64QAM	0.190	22.79
		45M8W7D	256QAM	0.114	20.58
Sub6 n41 (60)	2526.000 – 2659.980	58M1G7D	PI/2 BPSK	0.367	25.65
		58M0G7D	QPSK	0.352	25.46

		58M1W7D	16QAM	0.273	24.36
		58M2W7D	64QAM	0.201	23.03
		58M2W7D	256QAM	0.120	20.79
Sub6 n41 (70)	2531.010 – 2655.000	64M6G7D	PI/2 BPSK	0.335	25.25
		64M6G7D	QPSK	0.333	25.23
		64M4W7D	16QAM	0.264	24.21
		64M5W7D	64QAM	0.177	22.49
		64M6W7D	256QAM	0.111	20.47
Sub6 n41 (80)	2536.020 – 2649.990	77M1G7D	PI/2 BPSK	0.335	25.25
		77M1G7D	QPSK	0.333	25.23
		77M3W7D	16QAM	0.262	24.18
		77M2W7D	64QAM	0.189	22.76
		77M4W7D	256QAM	0.112	20.50
Sub6 n41 (90)	2541.000 – 2644.980	86M7G7D	PI/2 BPSK	0.390	25.91
		86M6G7D	QPSK	0.389	25.90
		86M7W7D	16QAM	0.313	24.96
		86M7W7D	64QAM	0.220	23.43
		86M6W7D	256QAM	0.131	21.16
Sub6 n41 (100)	2546.010 – 2640.000	96M3G7D	PI/2 BPSK	0.415	26.18
		96M3G7D	QPSK	0.394	25.95
		96M0W7D	16QAM	0.315	24.98
		96M1W7D	64QAM	0.215	23.33
		95M9W7D	256QAM	0.137	21.36

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;

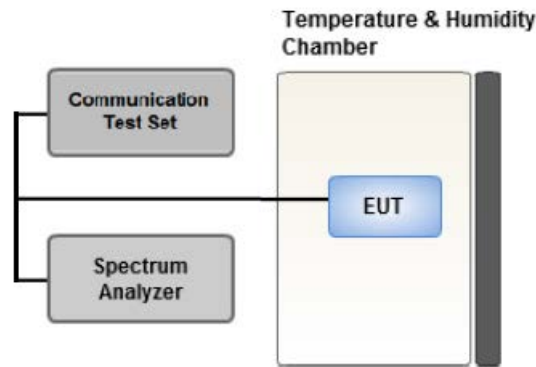
$$\text{Result}_{(\text{dBm})} = P_g_{(\text{dBm})} - \text{cable loss}_{(\text{dB})} + \text{antenna gain}_{(\text{dBi})}$$

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)

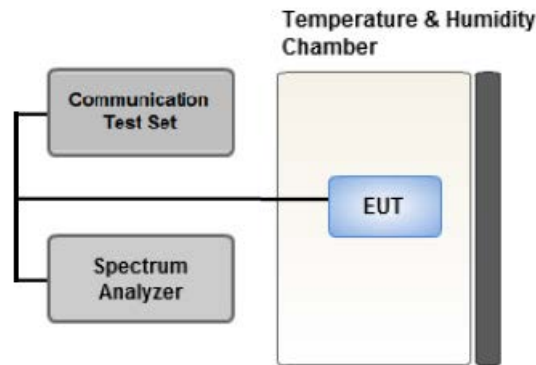
The measurement instrument must have a RBW that is greater than or equal to the OBW of the signal to be measured and a VBW $\geq 3 \times$ RBW.

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.

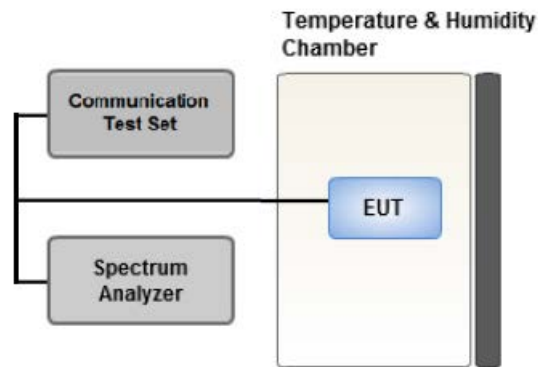
The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.

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 x RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. The trace was allowed to stabilize
8. If necessary, steps 2 – 7 were repeated after changing the RBW such that it would be within 1 – 5 % of the 99 % occupied bandwidth observed in Step 7

3.6 SPURIOUS AND HARMONIC EMISSIONS AT ANTENNA TERMINAL



Test setup

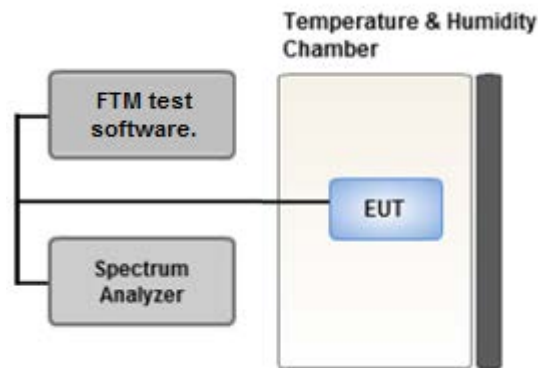
Test Overview

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

Test Settings

1. RBW = 1 MHz
2. VBW $\geq$ 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

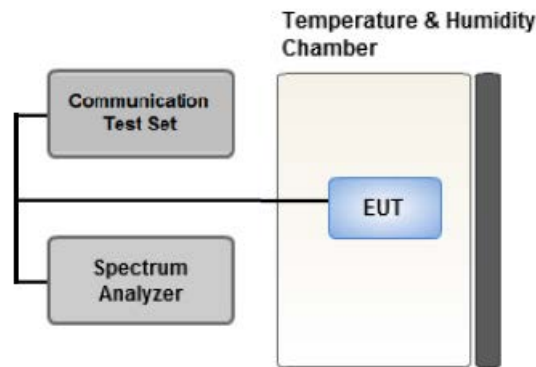
1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. Within 1 MHz of the channel edge the RBW should be 2 % of EBW, then 1 MHz after that.
4. VBW > 3 x RBW
5.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

Test Notes

1. The attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge,
2. $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge.
3. $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge.
4. The attenuation factor shall not be less 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.
- The EUT was tested in three modes(Open, Half-open, Closed), the worst case configuration results are reported.
- Worst case (Equivalent Isotropic Radiated Power)
: Main 2 ANT (Open), Sub 5 ANT (Open)
- Worst case (Radiated Spurious Emissions)
: Main 2 ANT (Open), Sub 5 ANT (Open)
- 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.
Mode : Stand alone, Stand alone + External accessories (Earphone, AC adapter, etc)
Worst case : Stand alone
- 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.
- SM-F766U & additional models were tested and the worst case results are reported.
(Worst case : SM-F766U)
- 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.

[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		X

[Sub 5 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		X
Radiated Spurious and Harmonic Emissions	PI/2 BPSK	See Section 9.2		X

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.
- SM-F766U & additional models were tested and the worst case results are reported.
(Worst case : SM-F766U)
- 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.

[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	04/17/2027	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	05/14/2025	Annual
RF Switching System	FBSR-06B (3G HPF + LNA)	T&M SYSTEM	F3L2	05/14/2025	Annual
RF Switching System	FBSR-06B (6G HPF + LNA)	T&M SYSTEM	F3L3	05/14/2025	Annual
RF Switching System	FBSR-06B (LNA)	T&M SYSTEM	F3L4	05/14/2025	Annual
Power Amplifier	CBL18265035	CERNEX	22966	11/07/2025	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	05/23/2025	Annual
Base Station	8960 (E5515C)	Agilent	MY48360800	08/05/2025	Annual
Wideband Radio Communication Tester	MT8821C	Anritsu Corp.	6262287701	05/16/2025	Annual
Wideband Radio Communication Tester	MT8000A	Anritsu Corp.	6262302511	05/14/2025	Annual
UXM 5G Wireless Test Platform	E7515B	KEYSIGHT	MY60101126	02/10/2026	Annual
Signal Analyzer(5 Hz~40.0 GHz)	N9030B	KEYSIGHT	MY55480167	05/17/2025	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
FCC LTE Mobile Conducted RF Automation Test Software	-	HCT CO., LTD.,	-	-	-

Note:

- Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.
- 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. See SAR Report
2. All conducted tests were tested using 5G Wireless Tester.

6.2 Test Condition: Radiated Test

Test Description	FCC Part Section(s)	Test Limit	Test Result
Equivalent Isotropic Radiated Power	§ 27.50(h)(2)	< 2 Watts max. EIRP	PASS
Radiated Spurious and Harmonic Emissions	§ 2.1053, § 27.53(m)(4)	$< 55 + 10\log_{10} (P[\text{Watts}])$	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	-22.85	13.95	10.61	2.50	H	< 2.00	0.161	22.06	1	12
		QPSK	-22.91	13.89	10.61	2.50	H		0.158	22.00		
		16-QAM	-23.88	12.92	10.61	2.50	H		0.127	21.03		
		64-QAM	-25.34	11.46	10.61	2.50	H		0.091	19.57		
		256-QAM	-27.37	9.43	10.61	2.50	H		0.057	17.54		
2505.000		PI/2 BPSK	-22.94	13.92	10.58	2.51	H		0.158	21.99	1	1
		QPSK	-22.95	13.91	10.58	2.51	H		0.158	21.98		
		16-QAM	-24.01	12.85	10.58	2.51	H		0.124	20.92		
		64-QAM	-25.50	11.36	10.58	2.51	H		0.088	19.43		
		256-QAM	-27.63	9.23	10.58	2.51	H		0.054	17.30		
2592.990		PI/2 BPSK	-22.85	13.86	11.00	2.55	H		0.170	22.31	1	22
		QPSK	-22.88	13.83	11.00	2.55	H		0.169	22.28		
		16-QAM	-23.82	12.89	11.00	2.55	H		0.136	21.34		
		64-QAM	-25.47	11.24	11.00	2.55	H		0.093	19.69		
		256-QAM	-27.45	9.26	11.00	2.55	H		0.059	17.71		
2685.000		PI/2 BPSK	-23.75	13.81	10.82	2.61	H		0.159	22.02	1	12
		QPSK	-23.78	13.78	10.82	2.61	H		0.158	21.99		
		16-QAM	-24.91	12.65	10.82	2.61	H		0.122	20.86		
		64-QAM	-26.37	11.19	10.82	2.61	H		0.087	19.40		
		256-QAM	-28.61	8.95	10.82	2.61	H		0.052	17.16		

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	-22.82	14.04	10.58	2.51	H	< 2.00	0.163	22.11	1	36
		QPSK	-22.85	14.01	10.58	2.51	H		0.161	22.08		
		16-QAM	-23.80	13.06	10.58	2.51	H		0.130	21.13		
		64-QAM	-25.61	11.25	10.58	2.51	H		0.086	19.32		
		256-QAM	-27.46	9.40	10.58	2.51	H		0.056	17.47		
2507.500		PI/2 BPSK	-22.66	14.26	10.55	2.51	H		0.170	22.30	1	36
		QPSK	-22.79	14.13	10.55	2.51	H		0.165	22.17		
		16-QAM	-24.05	12.87	10.55	2.51	H		0.123	20.91		
		64-QAM	-25.56	11.36	10.55	2.51	H		0.087	19.40		
		256-QAM	-27.65	9.27	10.55	2.51	H		0.054	17.31		
2592.990		PI/2 BPSK	-22.76	13.95	11.00	2.55	H		0.174	22.40	1	1
		QPSK	-22.77	13.94	11.00	2.55	H		0.173	22.39		
		16-QAM	-23.72	12.99	11.00	2.55	H		0.139	21.44		
		64-QAM	-25.40	11.31	11.00	2.55	H		0.095	19.76		
		256-QAM	-27.36	9.35	11.00	2.55	H		0.060	17.80		
2682.480		PI/2 BPSK	-23.87	13.80	10.84	2.61	H		0.160	22.03	1	1
		QPSK	-24.01	13.66	10.84	2.61	H		0.155	21.89		
		16-QAM	-25.02	12.65	10.84	2.61	H		0.122	20.88		
		64-QAM	-26.52	11.15	10.84	2.61	H		0.087	19.38		
		256-QAM	-28.67	9.00	10.84	2.61	H		0.053	17.23		

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	-22.45	14.41	10.58	2.51	H	< 2.00	0.177	22.48	1	49
		QPSK	-22.51	14.35	10.58	2.51	H		0.175	22.42		
		16-QAM	-23.44	13.42	10.58	2.51	H		0.141	21.49		
		64-QAM	-25.13	11.73	10.58	2.51	H		0.095	19.80		
		256-QAM	-27.14	9.72	10.58	2.51	H		0.060	17.79		
2510.010		PI/2 BPSK	-22.71	14.21	10.55	2.51	H		0.168	22.25	1	49
		QPSK	-22.81	14.11	10.55	2.51	H		0.164	22.15		
		16-QAM	-23.51	13.41	10.55	2.51	H		0.140	21.45		
		64-QAM	-25.37	11.55	10.55	2.51	H		0.091	19.59		
		256-QAM	-27.40	9.52	10.55	2.51	H		0.057	17.56		
2592.990		PI/2 BPSK	-22.78	13.93	11.00	2.55	H		0.173	22.38	1	49
		QPSK	-22.81	13.90	11.00	2.55	H		0.172	22.35		
		16-QAM	-24.16	12.55	11.00	2.55	H		0.126	21.00		
		64-QAM	-25.44	11.27	11.00	2.55	H		0.094	19.72		
		256-QAM	-27.64	9.07	11.00	2.55	H		0.056	17.52		
2679.990		PI/2 BPSK	-23.92	13.75	10.84	2.61	H		0.158	21.98	1	49
		QPSK	-24.14	13.53	10.84	2.61	H		0.150	21.76		
		16-QAM	-25.12	12.55	10.84	2.61	H		0.120	20.78		
		64-QAM	-26.66	11.01	10.84	2.61	H		0.084	19.24		
		256-QAM	-28.73	8.94	10.84	2.61	H		0.052	17.17		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2508.510	Sub6 n41(38) / 25 MHz [30 kHz]	PI/2 BPSK	-22.39	14.53	10.55	2.51	H	< 2.00	0.181	22.57	1	63
		QPSK	-22.43	14.49	10.55	2.51	H		0.179	22.53		
		16-QAM	-23.69	13.23	10.55	2.51	H		0.134	21.27		
		64-QAM	-25.04	11.88	10.55	2.51	H		0.098	19.92		
		256-QAM	-27.21	9.71	10.55	2.51	H		0.060	17.75		
2512.500		PI/2 BPSK	-22.69	14.24	10.52	2.53	H		0.167	22.23	1	63
		QPSK	-22.70	14.23	10.52	2.53	H		0.167	22.22		
		16-QAM	-23.76	13.17	10.52	2.53	H		0.131	21.16		
		64-QAM	-25.25	11.68	10.52	2.53	H		0.093	19.67		
		256-QAM	-27.51	9.42	10.52	2.53	H		0.055	17.41		
2592.990		PI/2 BPSK	-22.83	13.88	11.00	2.55	H		0.171	22.33	1	32
		QPSK	-22.86	13.85	11.00	2.55	H		0.170	22.30		
		16-QAM	-23.99	12.72	11.00	2.55	H		0.131	21.17		
		64-QAM	-25.50	11.21	11.00	2.55	H		0.092	19.66		
		256-QAM	-27.54	9.17	11.00	2.55	H		0.058	17.62		
2677.500		PI/2 BPSK	-23.98	13.69	10.84	2.61	H		0.156	21.92	1	32
		QPSK	-23.99	13.68	10.84	2.61	H		0.155	21.91		
		16-QAM	-24.97	12.70	10.84	2.61	H		0.124	20.93		
		64-QAM	-26.46	11.21	10.84	2.61	H		0.088	19.44		
		256-QAM	-28.64	9.03	10.84	2.61	H		0.053	17.26		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2511.000	Sub6 n41(38) / 30 MHz [30 kHz]	PI/2 BPSK	-22.40	14.52	10.55	2.51	H	< 2.00	0.180	22.56	1	76
		QPSK	-22.42	14.50	10.55	2.51	H		0.179	22.54		
		16-QAM	-23.43	13.49	10.55	2.51	H		0.142	21.53		
		64-QAM	-25.03	11.89	10.55	2.51	H		0.098	19.93		
		256-QAM	-27.05	9.87	10.55	2.51	H		0.062	17.91		
2515.020		PI/2 BPSK	-22.50	14.43	10.52	2.53	H		0.175	22.42	1	39
		QPSK	-22.91	14.02	10.52	2.53	H		0.159	22.01		
		16-QAM	-23.64	13.29	10.52	2.53	H		0.134	21.28		
		64-QAM	-25.16	11.77	10.52	2.53	H		0.095	19.76		
		256-QAM	-27.30	9.63	10.52	2.53	H		0.058	17.62		
2592.990		PI/2 BPSK	-22.76	13.95	11.00	2.55	H		0.174	22.40	1	1
		QPSK	-22.84	13.87	11.00	2.55	H		0.171	22.32		
		16-QAM	-23.84	12.87	11.00	2.55	H		0.136	21.32		
		64-QAM	-25.25	11.46	11.00	2.55	H		0.098	19.91		
		256-QAM	-27.40	9.31	11.00	2.55	H		0.060	17.76		
2674.980		PI/2 BPSK	-23.86	13.43	10.85	2.62	H		0.147	21.66	1	1
		QPSK	-23.94	13.35	10.85	2.62	H		0.144	21.58		
		16-QAM	-25.06	12.23	10.85	2.62	H		0.111	20.46		
		64-QAM	-26.63	10.66	10.85	2.62	H		0.077	18.89		
		256-QAM	-28.68	8.61	10.85	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
2516.010	Sub6 n41(38) / 40 MHz [30 kHz]	PI/2 BPSK	-22.44	14.49	10.52	2.53	H	< 2.00	0.177	22.48	1	104
		QPSK	-22.47	14.46	10.52	2.53	H		0.176	22.45		
		16-QAM	-23.33	13.60	10.52	2.53	H		0.144	21.59		
		64-QAM	-24.96	11.97	10.52	2.53	H		0.099	19.96		
		256-QAM	-27.00	9.93	10.52	2.53	H		0.062	17.92		
2520.000		PI/2 BPSK	-22.70	14.23	10.49	2.54	V		0.165	22.18	1	53
		QPSK	-22.71	14.22	10.49	2.54	H		0.165	22.17		
		16-QAM	-23.70	13.23	10.49	2.54	H		0.131	21.18		
		64-QAM	-25.08	11.85	10.49	2.54	H		0.095	19.80		
		256-QAM	-27.41	9.52	10.49	2.54	H		0.056	17.47		
2592.990		PI/2 BPSK	-22.70	14.01	11.00	2.55	H		0.176	22.46	1	53
		QPSK	-22.80	13.91	11.00	2.55	H		0.172	22.36		
		16-QAM	-23.88	12.83	11.00	2.55	H		0.134	21.28		
		64-QAM	-25.52	11.19	11.00	2.55	H		0.092	19.64		
		256-QAM	-27.49	9.22	11.00	2.55	H		0.058	17.67		
2670.000		PI/2 BPSK	-23.83	13.07	10.87	2.62	H		0.136	21.32	1	53
		QPSK	-24.01	12.89	10.87	2.62	H		0.130	21.14		
		16-QAM	-24.89	12.01	10.87	2.62	H		0.106	20.26		
		64-QAM	-26.62	10.28	10.87	2.62	H		0.071	18.53		
		256-QAM	-28.68	8.22	10.87	2.62	H		0.044	16.47		

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	-22.36	14.57	10.49	2.54	H	< 2.00	0.179	22.52	1	66
		QPSK	-22.44	14.49	10.49	2.54	H		0.175	22.44		
		16-QAM	-23.49	13.44	10.49	2.54	H		0.138	21.39		
		64-QAM	-25.21	11.72	10.49	2.54	H		0.093	19.67		
		256-QAM	-27.16	9.77	10.49	2.54	H		0.059	17.72		
2525.010		-20.43	-22.71	13.92	10.52	2.54	H		0.155	21.90	1	66
		-20.50	-22.79	13.84	10.52	2.54	H		0.152	21.82		
		-21.70	-23.93	12.70	10.52	2.54	H		0.117	20.68		
		-22.96	-25.43	11.20	10.52	2.54	H		0.083	19.18		
		-25.24	-27.53	9.10	10.52	2.54	H		0.051	17.08		
2592.990		PI/2 BPSK	-22.81	13.90	11.00	2.55	H		0.172	22.35	1	66
		QPSK	-22.92	13.79	11.00	2.55	H		0.167	22.24		
		16-QAM	-23.87	12.84	11.00	2.55	H		0.135	21.29		
		64-QAM	-25.62	11.09	11.00	2.55	H		0.090	19.54		
		256-QAM	-27.51	9.20	11.00	2.55	H		0.058	17.65		
2664.990		PI/2 BPSK	-23.94	13.01	10.88	2.64	H		0.133	21.25	1	131
		QPSK	-23.95	13.00	10.88	2.64	H		0.133	21.24		
		16-QAM	-25.13	11.82	10.88	2.64	H		0.101	20.06		
		64-QAM	-26.68	10.27	10.88	2.64	H		0.071	18.51		
		256-QAM	-28.68	8.27	10.88	2.64	H		0.045	16.51		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2526.000	Sub6 41/ 60 MHz [30 kHz]	PI/2 BPSK	-22.36	14.27	10.52	2.54	H	< 2.00	0.168	22.25	1	82
		QPSK	-22.46	14.17	10.52	2.54	H		0.164	22.15		
		16-QAM	-23.66	12.97	10.52	2.54	H		0.124	20.95		
		64-QAM	-25.10	11.53	10.52	2.54	H		0.089	19.51		
		256-QAM	-27.02	9.61	10.52	2.54	H		0.057	17.59		
2530.020		PI/2 BPSK	-22.79	13.54	10.56	2.54	H		0.143	21.56	1	1
		QPSK	-22.94	13.39	10.56	2.54	H		0.138	21.41		
		16-QAM	-23.97	12.36	10.56	2.54	H		0.109	20.38		
		64-QAM	-25.39	10.94	10.56	2.54	H		0.079	18.96		
		256-QAM	-27.47	8.86	10.56	2.54	H		0.049	16.88		
2592.990		PI/2 BPSK	-22.37	14.34	11.00	2.55	H		0.190	22.79	1	1
		QPSK	-22.50	14.21	11.00	2.55	H		0.185	22.66		
		16-QAM	-23.62	13.09	11.00	2.55	H		0.143	21.54		
		64-QAM	-25.06	11.65	11.00	2.55	H		0.102	20.10		
		256-QAM	-26.97	9.74	11.00	2.55	H		0.066	18.19		
2659.980		PI/2 BPSK	-23.82	13.19	10.90	2.67	H		0.139	21.42	1	82
		QPSK	-23.89	13.12	10.90	2.67	H		0.136	21.35		
		16-QAM	-25.00	12.01	10.90	2.67	H		0.106	20.24		
		64-QAM	-26.63	10.38	10.90	2.67	H		0.073	18.61		
		256-QAM	-28.52	8.49	10.90	2.67	H		0.047	16.72		

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	-22.38	13.95	10.56	2.54	H	< 2.00	0.157	21.97	1	187
		QPSK	-22.42	13.91	10.56	2.54	H		0.156	21.93		
		16-QAM	-23.53	12.80	10.56	2.54	H		0.121	20.82		
		64-QAM	-25.06	11.27	10.56	2.54	H		0.085	19.29		
		256-QAM	-26.99	9.34	10.56	2.54	H		0.054	17.36		
2535.000		PI/2 BPSK	-22.85	13.61	10.59	2.54	H		0.147	21.66	1	94
		QPSK	-22.92	13.54	10.59	2.54	H		0.144	21.59		
		16-QAM	-23.87	12.59	10.59	2.54	H		0.116	20.64		
		64-QAM	-25.26	11.20	10.59	2.54	H		0.084	19.25		
		256-QAM	-27.65	8.81	10.59	2.54	H		0.049	16.86		
2592.990		PI/2 BPSK	-22.64	14.07	11.00	2.55	H		0.179	22.52	1	1
		QPSK	-22.72	13.99	11.00	2.55	H		0.175	22.44		
		16-QAM	-23.54	13.17	11.00	2.55	H		0.145	21.62		
		64-QAM	-25.26	11.45	11.00	2.55	H		0.098	19.90		
		256-QAM	-27.23	9.48	11.00	2.55	H		0.062	17.93		
2655.000		PI/2 BPSK	-23.04	13.87	10.91	2.68	H		0.162	22.10	1	1
		QPSK	-23.06	13.85	10.91	2.68	H		0.161	22.08		
		16-QAM	-24.36	12.55	10.91	2.68	H		0.120	20.78		
		64-QAM	-25.93	10.98	10.91	2.68	H		0.083	19.21		
		256-QAM	-27.91	9.00	10.91	2.68	H		0.053	17.23		

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	-22.28	14.18	10.59	2.54	H	<2.00	0.167	22.23	1	108
		QPSK	-22.45	14.01	10.59	2.54	H		0.161	22.06		
		16-QAM	-23.48	12.98	10.59	2.54	H		0.127	21.03		
		64-QAM	-24.94	11.52	10.59	2.54	H		0.091	19.57		
		256-QAM	-27.15	9.31	10.59	2.54	H		0.054	17.36		
2540.010		PI/2 BPSK	-22.86	13.72	10.62	2.53	H		0.152	21.81	1	1
		QPSK	-22.98	13.60	10.62	2.53	H		0.148	21.69		
		16-QAM	-23.88	12.70	10.62	2.53	H		0.120	20.79		
		64-QAM	-25.35	11.23	10.62	2.53	H		0.086	19.32		
		256-QAM	-27.52	9.06	10.62	2.53	H		0.052	17.15		
2592.990		PI/2 BPSK	-22.66	14.05	11.00	2.55	H		0.178	22.50	1	1
		QPSK	-22.73	13.98	11.00	2.55	H		0.175	22.43		
		16-QAM	-23.69	13.02	11.00	2.55	H		0.140	21.47		
		64-QAM	-25.37	11.34	11.00	2.55	H		0.095	19.79		
		256-QAM	-27.33	9.38	11.00	2.55	H		0.061	17.83		
2649.990		PI/2 BPSK	-22.84	13.95	10.93	2.69	H		0.166	22.19	1	1
		QPSK	-22.92	13.87	10.93	2.69	H		0.163	22.11		
		16-QAM	-23.84	12.95	10.93	2.69	H		0.132	21.19		
		64-QAM	-25.53	11.26	10.93	2.69	H		0.089	19.50		
		256-QAM	-27.58	9.21	10.93	2.69	H		0.056	17.45		

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	-22.30	14.28	10.62	2.53	H	< 2.00	0.173	22.37	1	122
		QPSK	-22.49	14.09	10.62	2.53	H		0.165	22.18		
		16-QAM	-23.43	13.15	10.62	2.53	H		0.133	21.24		
		64-QAM	-24.96	11.62	10.62	2.53	H		0.094	19.71		
		256-QAM	-27.21	9.37	10.62	2.53	H		0.056	17.46		
2545.020		PI/2 BPSK	-22.65	13.90	10.66	2.53	H		0.160	22.03	1	1
		QPSK	-22.74	13.81	10.66	2.53	H		0.156	21.94		
		16-QAM	-23.90	12.65	10.66	2.53	H		0.120	20.78		
		64-QAM	-25.45	11.10	10.66	2.53	H		0.084	19.23		
		256-QAM	-27.40	9.15	10.66	2.53	H		0.053	17.28		
2592.990		PI/2 BPSK	-22.10	14.61	11.00	2.55	H		0.202	23.06	1	1
		QPSK	-22.20	14.51	11.00	2.55	H		0.198	22.96		
		16-QAM	-23.08	13.63	11.00	2.55	H		0.161	22.08		
		64-QAM	-24.77	11.94	11.00	2.55	H		0.109	20.39		
		256-QAM	-26.83	9.88	11.00	2.55	H		0.068	18.33		
2644.980		PI/2 BPSK	-22.50	14.61	10.95	2.68	H		0.194	22.88	1	1
		QPSK	-22.63	14.48	10.95	2.68	H		0.188	22.75		
		16-QAM	-23.73	13.38	10.95	2.68	H		0.146	21.65		
		64-QAM	-25.19	11.92	10.95	2.68	H		0.104	20.19		
		256-QAM	-27.45	9.66	10.95	2.68	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
2546.010	Sub6 41/ 100 MHz [30 kHz]	PI/2 BPSK	-22.20	14.35	10.66	2.53	H	< 2.00	0.177	22.48	1	271
		QPSK	-22.46	14.09	10.66	2.53	H		0.167	22.22		
		16-QAM	-23.26	13.29	10.66	2.53	H		0.139	21.42		
		64-QAM	-24.87	11.68	10.66	2.53	H		0.096	19.81		
		256-QAM	-26.89	9.66	10.66	2.53	H		0.060	17.79		
2550.000		PI/2 BPSK	-22.58	13.95	10.69	2.53	H		0.163	22.11	1	1
		QPSK	-22.62	13.91	10.69	2.53	H		0.161	22.07		
		16-QAM	-23.73	12.80	10.69	2.53	H		0.125	20.96		
		64-QAM	-25.15	11.38	10.69	2.53	H		0.090	19.54		
		256-QAM	-27.35	9.18	10.69	2.53	H		0.054	17.34		
2592.990		PI/2 BPSK	-22.14	14.57	11.00	2.55	H		0.200	23.02	1	1
		QPSK	-22.28	14.43	11.00	2.55	H		0.194	22.88		
		16-QAM	-23.30	13.41	11.00	2.55	H		0.153	21.86		
		64-QAM	-24.86	11.85	11.00	2.55	H		0.107	20.30		
		256-QAM	-26.83	9.88	11.00	2.55	H		0.068	18.33		
2640.000		PI/2 BPSK	-22.51	14.93	10.96	2.68	H		0.209	23.21	1	1
		QPSK	-22.54	14.90	10.96	2.68	H		0.208	23.18		
		16-QAM	-23.73	13.71	10.96	2.68	H		0.158	21.99		
		64-QAM	-25.03	12.41	10.96	2.68	H		0.117	20.69		
		256-QAM	-27.21	10.23	10.96	2.68	H		0.071	18.51		

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	-61.31	11.22	-63.02	3.71	H	-55.51	-25.00	1	1
	7 503.03	-63.81	11.54	-56.38	4.60	H	-49.44	-25.00		
	10 004.04	-62.72	11.47	-53.32	5.47	H	-47.32	-25.00		
501000 (2505.000)	5 010.00	-62.55	11.18	-63.69	3.72	H	-56.23	-25.00	1	1
	7 515.00	-63.29	11.56	-55.71	4.60	H	-48.75	-25.00		
	10 020.00	-63.75	11.46	-54.07	5.47	H	-48.08	-25.00		
518598 (2592.990)	5 185.98	-61.96	11.61	-63.13	3.80	H	-55.32	-25.00	1	1
	7 778.97	-63.97	11.26	-56.90	4.70	H	-50.34	-25.00		
	10 371.96	-63.01	11.68	-51.92	5.55	H	-45.79	-25.00		
537000 (2685.000)	5 370.00	-61.47	11.96	-63.10	3.92	H	-55.06	-25.00	1	1
	8 055.00	-62.68	11.24	-55.40	4.81	H	-48.97	-25.00		
	10 740.00	-63.34	11.55	-51.32	5.64	H	-45.41	-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	-61.54	11.20	-62.97	3.71	H	-55.48	-25.00	1	36
	7 510.50	-62.85	11.55	-55.31	4.60	H	-48.36	-25.00		
	10 014.00	-63.05	11.46	-53.66	5.47	H	-47.67	-25.00		
501504 (2507.500)	5 015.00	-62.87	11.17	-63.79	3.70	H	-56.32	-25.00	1	36
	7 522.50	-64.19	11.57	-56.54	4.61	H	-49.58	-25.00		
	10 030.00	-64.05	11.45	-55.01	5.47	H	-49.03	-25.00		
518598 (2592.990)	5 185.98	-62.22	11.61	-63.39	3.80	H	-55.58	-25.00	1	1
	7 778.97	-62.67	11.26	-55.60	4.70	H	-49.04	-25.00		
	10 371.96	-62.68	11.68	-51.59	5.55	H	-45.46	-25.00		
536496 (2682.480)	5 364.96	-61.89	11.95	-63.41	3.91	H	-55.37	-25.00	1	1
	8 047.44	-63.24	11.23	-56.02	4.81	H	-49.60	-25.00		
	10 729.92	-63.81	11.56	-51.74	5.65	H	-45.83	-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	-62.00	11.18	-63.14	3.72	H	-55.68	-25.00	1	49
	7 518.06	-62.33	11.56	-54.69	4.61	H	-47.74	-25.00		
	10 024.08	-63.46	11.46	-54.11	5.47	H	-48.12	-25.00		
502002 (2510.010)	5 020.02	-63.46	11.17	-64.16	3.69	H	-56.68	-25.00	1	49
	7 530.03	-63.58	11.57	-55.92	4.60	H	-48.95	-25.00		
	10 040.04	-63.33	11.44	-53.87	5.49	H	-47.92	-25.00		
518598 (2592.990)	5 185.98	-63.45	11.61	-64.62	3.80	H	-56.81	-25.00	1	25
	7 778.97	-63.00	11.26	-55.93	4.70	H	-49.37	-25.00		
	10 371.96	-62.97	11.68	-51.88	5.55	H	-45.75	-25.00		
535998 (2679.990)	5 359.98	-62.08	11.95	-63.51	3.90	H	-55.46	-25.00	1	1
	8 039.97	-62.66	11.22	-55.35	4.80	H	-48.93	-25.00		
	10 719.96	-63.64	11.56	-51.99	5.64	H	-46.07	-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	-62.60	11.17	-63.52	3.70	H	-56.05	-25.00	1	63
	7 525.53	-62.78	11.57	-55.13	4.61	H	-48.17	-25.00		
	10 034.04	-62.99	11.45	-53.75	5.48	H	-47.78	-25.00		
502500 (2512.500)	5 025.00	-63.76	11.18	-64.53	3.68	H	-57.03	-25.00	1	63
	7 537.50	-62.99	11.58	-55.46	4.61	H	-48.49	-25.00		
	10 050.00	-62.96	11.43	-53.76	5.48	H	-47.81	-25.00		
518598 (2592.990)	5 185.98	-63.01	11.61	-64.18	3.80	H	-56.37	-25.00	1	32
	7 778.97	-63.28	11.26	-56.21	4.70	H	-49.65	-25.00		
	10 371.96	-63.46	11.68	-52.37	5.55	H	-46.24	-25.00		
535500 (2677.500)	5 355.00	-63.00	11.94	-64.55	3.88	H	-56.49	-25.00	1	1
	8 032.50	-63.35	11.21	-56.06	4.80	H	-49.65	-25.00		
	10 710.00	-63.80	11.57	-52.08	5.65	H	-46.16	-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	-63.66	11.17	-64.36	3.69	H	-56.88	-25.00	1	76
	7 533.00	-63.76	11.57	-56.16	4.61	H	-49.20	-25.00		
	10 044.00	-63.89	11.44	-54.57	5.48	H	-48.61	-25.00		
503004 (2515.020)	5 030.04	-62.77	11.19	-63.61	3.67	H	-56.09	-25.00	1	39
	7 545.06	-63.43	11.58	-55.97	4.62	H	-49.01	-25.00		
	10 060.08	-62.58	11.42	-53.46	5.48	H	-47.52	-25.00		
518598 (2592.990)	5 185.98	-63.25	11.61	-64.42	3.80	H	-56.61	-25.00	1	39
	7 778.97	-62.79	11.26	-55.72	4.70	H	-49.16	-25.00		
	10 371.96	-62.86	11.68	-51.77	5.55	H	-45.64	-25.00		
534996 (2674.980)	5 349.96	-63.80	11.94	-65.49	3.85	H	-57.40	-25.00	1	1
	8 024.94	-64.05	11.20	-56.80	4.79	H	-50.39	-25.00		
	10 699.92	-64.22	11.57	-52.22	5.67	H	-46.32	-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	-62.79	11.19	-63.63	3.67	H	-56.11	-25.00	1	104
	7 548.03	-63.28	11.59	-55.91	4.63	H	-48.95	-25.00		
	10 064.04	-63.37	11.42	-54.15	5.47	H	-48.20	-25.00		
504000 (2520.000)	5 040.00	-63.18	11.20	-64.22	3.68	H	-56.70	-25.00	1	53
	7 560.00	-62.67	11.60	-55.13	4.64	H	-48.17	-25.00		
	10 080.00	-63.12	11.41	-54.11	5.47	H	-48.17	-25.00		
518598 (2592.990)	5 185.98	-63.70	11.61	-64.87	3.80	H	-57.06	-25.00	1	53
	7 778.97	-62.85	11.26	-55.78	4.70	H	-49.22	-25.00		
	10 371.96	-63.29	11.68	-52.20	5.55	H	-46.07	-25.00		
534000 (2670.000)	5 340.00	-64.55	11.93	-66.53	3.80	H	-58.40	-25.00	1	1
	8 010.00	-63.89	11.17	-56.57	4.77	H	-50.17	-25.00		
	10 680.00	-63.96	11.57	-51.38	5.71	H	-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	-63.46	11.20	-64.50	3.68	H	-56.98	-25.00	1	131
	7 563.06	-63.85	11.60	-56.32	4.64	H	-49.36	-25.00		
	10 084.08	-63.49	11.40	-54.26	5.46	H	-48.32	-25.00		
505002 (2525.010)	5 050.02	-63.61	11.22	-65.08	3.73	H	-57.59	-25.00	1	66
	7 575.03	-63.28	11.61	-55.69	4.65	H	-48.73	-25.00		
	10 100.04	-62.46	11.39	-53.04	5.46	H	-47.11	-25.00		
518598 (2592.990)	5 185.98	-62.84	11.61	-64.01	3.80	H	-56.20	-25.00	1	66
	7 778.97	-62.50	11.26	-55.43	4.70	H	-48.87	-25.00		
	10 371.96	-62.73	11.68	-51.64	5.55	H	-45.51	-25.00		
532998 (2664.990)	5 329.98	-64.66	11.92	-66.39	3.77	H	-58.24	-25.00	1	1
	7 994.97	-63.58	11.13	-56.03	4.77	H	-49.67	-25.00		
	10 659.96	-64.50	11.58	-52.10	5.67	H	-46.19	-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	-63.66	11.22	-65.13	3.73	H	-57.64	-25.00	1	161
	7 578.00	-65.10	11.61	-57.44	4.65	H	-50.48	-25.00		
	10 104.00	-64.35	11.39	-54.79	5.46	H	-48.86	-25.00		
506004 (2530.020)	5 060.04	-62.79	11.24	-64.16	3.78	H	-56.70	-25.00	1	1
	7 590.06	-64.50	11.62	-57.14	4.64	H	-50.16	-25.00		
	10 120.08	-63.70	11.38	-53.82	5.47	H	-47.91	-25.00		
518598 (2592.990)	5 185.98	-64.00	11.61	-65.17	3.80	H	-57.36	-25.00	1	81
	7 778.97	-63.68	11.26	-56.61	4.70	H	-50.05	-25.00		
	10 371.96	-63.90	11.68	-52.81	5.55	H	-46.68	-25.00		
531996 (2659.980)	5 319.96	-64.01	11.91	-65.56	3.79	H	-57.44	-25.00	1	1
	7 979.94	-63.49	11.10	-55.79	4.79	H	-49.48	-25.00		
	10 639.92	-63.88	11.58	-51.50	5.61	H	-45.53	-25.00		

☐ NR Band: n41
☐ Bandwidth: 70 MHz
☐ Modulation: PI/2 BPSK
☐ Distance: 1 meter
☐ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
506202 (2531.010)	5 062.02	-62.57	11.24	-63.94	3.78	H	-56.48	-25.00	1	187
	7 593.03	-63.88	11.62	-56.60	4.64	H	-49.62	-25.00		
	10 124.04	-63.60	11.37	-53.91	5.47	H	-48.01	-25.00		
507000 (2535.000)	5 070.00	-63.60	11.25	-64.76	3.80	H	-57.31	-25.00	1	94
	7 605.00	-62.99	11.60	-55.94	4.64	H	-48.98	-25.00		
	10 140.00	-63.31	11.36	-53.37	5.48	H	-47.49	-25.00		
518598 (2592.990)	5 185.98	-63.49	11.61	-64.66	3.80	H	-56.85	-25.00	1	94
	7 778.97	-62.80	11.26	-55.73	4.70	H	-49.17	-25.00		
	10 371.96	-63.50	11.68	-52.41	5.55	H	-46.28	-25.00		
531000 (2655.000)	5 310.00	-62.77	11.91	-63.88	3.82	H	-55.79	-25.00	1	1
	7 965.00	-62.95	11.07	-55.13	4.80	H	-48.86	-25.00		
	10 620.00	-63.96	11.58	-51.92	5.65	H	-45.99	-25.00		

☐ NR Band: n41
☐ Bandwidth: 80 MHz
☐ Modulation: PI/2 BPSK
☐ Distance: 1 meter
☐ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
507204 (2536.020)	5 072.04	-63.50	11.25	-64.66	3.80	H	-57.21	-25.00	1	215
	7 608.06	-63.55	11.60	-56.67	4.64	H	-49.71	-25.00		
	10 144.08	-63.40	11.36	-53.79	5.48	H	-47.91	-25.00		
508002 (2540.010)	5 080.02	-62.40	11.27	-63.20	3.81	H	-55.74	-25.00	1	1
	7 620.03	-63.19	11.58	-56.31	4.65	H	-49.38	-25.00		
	10 160.04	-62.70	11.35	-52.58	5.49	H	-46.72	-25.00		
518598 (2592.990)	5 185.98	-64.20	11.61	-65.37	3.80	H	-57.56	-25.00	1	108
	7 778.97	-63.46	11.26	-56.39	4.70	H	-49.83	-25.00		
	10 371.96	-64.01	11.68	-52.92	5.55	H	-46.79	-25.00		
529998 (2649.990)	5 299.98	-63.00	11.90	-64.50	3.83	H	-56.43	-25.00	1	1
	7 949.97	-63.55	11.03	-55.90	4.78	H	-49.65	-25.00		
	10 599.96	-64.00	11.58	-52.71	5.67	H	-46.80	-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	-64.02	11.27	-64.82	3.81	H	-57.36	-25.00	1	243
	7 623.00	-63.88	11.57	-56.94	4.65	H	-50.02	-25.00		
	10 164.00	-63.60	11.34	-53.74	5.50	H	-47.90	-25.00		
509004 (2545.020)	5 090.04	-63.80	11.29	-64.68	3.78	H	-57.17	-25.00	1	1
	7 635.06	-63.55	11.55	-56.56	4.67	H	-49.68	-25.00		
	10 180.08	-63.61	11.35	-53.30	5.51	H	-47.46	-25.00		
518598 (2592.990)	5 185.98	-63.46	11.61	-64.63	3.80	H	-56.82	-25.00	1	122
	7 778.97	-63.78	11.26	-56.71	4.70	H	-50.15	-25.00		
	10 371.96	-63.79	11.68	-52.70	5.55	H	-46.57	-25.00		
528996 (2644.980)	5 289.96	-63.50	11.89	-65.08	3.83	H	-57.02	-25.00	1	1
	7 934.94	-64.06	11.01	-56.68	4.77	H	-50.44	-25.00		
	10 579.92	-63.85	11.62	-52.70	5.65	H	-46.73	-25.00		

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

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
509202 (2546.010)	5 092.02	-63.43	11.29	-64.31	3.78	H	-56.80	-25.00	1	271
	7 638.03	-63.50	11.54	-56.53	4.68	H	-49.67	-25.00		
	10 184.04	-63.28	11.35	-53.24	5.52	H	-47.41	-25.00		
510000 (2550.000)	5 100.00	-64.20	11.31	-65.39	3.78	H	-57.86	-25.00	1	1
	7 650.00	-62.94	11.52	-55.81	4.68	H	-48.97	-25.00		
	10 200.00	-62.88	11.38	-52.72	5.54	H	-46.88	-25.00		
518598 (2592.990)	5 185.98	-63.88	11.61	-65.05	3.80	H	-57.24	-25.00	1	136
	7 778.97	-63.56	11.26	-56.49	4.70	H	-49.93	-25.00		
	10 371.96	-62.90	11.68	-51.81	5.55	H	-45.68	-25.00		
528000 (2640.000)	5 280.00	-62.44	11.88	-64.47	3.80	H	-56.39	-25.00	1	1
	7 920.00	-62.14	11.02	-54.72	4.77	H	-48.47	-25.00		
	10 560.00	-63.00	11.65	-52.06	5.63	H	-46.04	-25.00		

8.3 PEAK-TO-AVERAGE RATIO

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (dB)
Sub6 n41(38)	10 MHz	2592.990	BPSK	24	0	4.37
			QPSK			5.54
			16-QAM			6.07
			64-QAM			6.18
			256-QAM			6.27
	15 MHz		BPSK	36		4.26
			QPSK			5.43
			16-QAM			6.10
			64-QAM			6.19
			256-QAM			6.20
	20 MHz		BPSK	50		4.69
			QPSK			5.49
			16-QAM			6.04
			64-QAM			6.13
			256-QAM			6.28
	25 MHz		BPSK	64		4.37
			QPSK			5.54
			16-QAM			6.18
			64-QAM			6.15
			256-QAM			6.28
	30 MHz		BPSK	75		4.50
			QPSK			5.53
			16-QAM			6.16
			64-QAM			6.15
			256-QAM			6.28
	40 MHz		BPSK	100		4.72
			QPSK			5.48
			16-QAM			6.04
			64-QAM			6.18
			256-QAM			6.21
	50 MHz		BPSK	128		4.29
			QPSK			5.37
			16-QAM			6.01
			64-QAM			6.13
			256-QAM			6.14

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (dB)
Sub6 n41	60 MHz	2592.990	BPSK	162	0	4.50
			QPSK			5.42
			16-QAM			6.05
			64-QAM			6.13
			256-QAM			6.18
	70 MHz		BPSK	180		4.38
			QPSK			5.34
			16-QAM			5.99
			64-QAM			6.04
			256-QAM			6.12
	80 MHz		BPSK	216		4.24
			QPSK			5.33
			16-QAM			5.92
			64-QAM			6.02
			256-QAM			6.13
	90 MHz		BPSK	243		5.34
			QPSK			5.65
			16-QAM			6.04
			64-QAM			6.05
			256-QAM			6.21
	100 MHz		BPSK	270		4.60
			QPSK			5.31
			16-QAM			5.93
			64-QAM			5.97
			256-QAM			6.14

Note:

1. Plots of the EUT's Peak- to- Average Ratio are shown Page 121 ~ 180.

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	8.6991
			QPSK			8.6697
			16-QAM			8.6788
			64-QAM			8.6990
			256-QAM			8.7428
	15 MHz		BPSK	36		13.007
			QPSK			12.980
			16-QAM			13.027
			64-QAM			12.937
			256-QAM			13.049
	20 MHz		BPSK	50		18.016
			QPSK			17.985
			16-QAM			18.018
			64-QAM			17.929
			256-QAM			17.953
	25 MHz		BPSK	64		23.044
			QPSK			22.983
			16-QAM			23.044
			64-QAM			22.983
			256-QAM			22.949
	30 MHz		BPSK	75		27.065
			QPSK			27.056
			16-QAM			26.976
			64-QAM			27.031
			256-QAM			26.920
	40 MHz		BPSK	100		36.005
			QPSK			35.912
			16-QAM			35.957
			64-QAM			35.993
			256-QAM			35.892
	50 MHz		BPSK	128		46.006
			QPSK			46.066
			16-QAM			45.980
			64-QAM			45.986
			256-QAM			45.834

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (MHz)
Sub6 n41	60 MHz	2592.990	BPSK	162	0	58.223
			QPSK			58.207
			16-QAM			58.353
			64-QAM			58.144
			256-QAM			58.305
	70 MHz		BPSK	180		64.908
			QPSK			64.705
			16-QAM			64.708
			64-QAM			64.723
			256-QAM			64.897
	80 MHz		BPSK	216		77.588
			QPSK			77.507
			16-QAM			77.378
			64-QAM			77.703
			256-QAM			77.585
	90 MHz		BPSK	243		87.099
			QPSK			87.320
			16-QAM			87.422
			64-QAM			87.405
			256-QAM			87.237
	100 MHz		BPSK	270		96.814
			QPSK			96.695
			16-QAM			96.634
			64-QAM			96.751
			256-QAM			96.622

Note:

1. Plots of the EUT's Occupied Bandwidth are shown Page 181 ~ 240.

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	3.7887	29.722	-63.195	-33.473	-25.00
		2505.000	4.0080	29.722	-61.887	-32.165	
		2592.990	5.4836	30.315	-62.914	-32.599	
		2685.000	4.8655	29.722	-63.371	-33.649	
	15	2503.500	4.0080	29.722	-63.025	-33.303	
		2507.520	9.4816	30.315	-60.865	-30.550	
		2592.990	8.8535	30.315	-63.567	-33.252	
		2682.480	5.1945	30.315	-63.076	-32.761	
	20	2506.020	3.8086	29.722	-62.998	-33.276	
		2510.010	4.9053	29.722	-61.406	-31.684	
		2592.990	4.9153	29.722	-61.286	-31.564	
		2679.990	4.0379	29.722	-62.320	-32.598	
	25	2508.480	4.0080	29.722	-63.213	-33.491	
		2512.500	4.5564	29.722	-61.076	-31.354	
		2592.990	4.0180	29.722	-63.471	-33.749	
		2677.500	3.0409	29.722	-63.506	-33.784	
	30	2511.000	4.8754	29.722	-62.725	-33.003	
		2515.000	3.7688	29.722	-60.386	-30.664	
		2592.990	9.8704	30.315	-63.073	-32.758	
		2674.980	9.4018	30.315	-62.669	-32.354	
	40	2516.010	3.7987	29.722	-62.471	-32.749	
		2520.000	5.4936	30.315	-61.117	-30.802	
		2592.990	4.5763	29.722	-62.994	-33.272	
		2670.000	9.7408	30.315	-63.287	-32.972	
	50	2521.020	8.5643	30.315	-63.590	-33.275	
		2525.010	3.7987	29.722	-61.030	-31.308	
		2592.990	9.1226	30.315	-63.375	-33.060	
		2664.990	2.7319	29.722	-62.189	-32.467	
	60	2526.000	8.8335	30.315	-63.592	-33.277	
		2530.020	8.0060	30.315	-61.268	-30.953	
		2592.990	5.2343	30.315	-63.206	-32.891	
		2659.980	9.6810	30.315	-63.295	-32.980	
	70	2531.010	5.2742	30.315	-63.058	-32.743	
		2535.000	5.1546	30.315	-61.316	-31.001	
		2592.990	7.7468	30.315	-63.175	-32.860	
		2655.000	8.0060	30.315	-63.558	-33.243	
	80	2536.020	8.2353	30.315	-63.039	-32.724	
		2540.010	4.6860	29.722	-60.203	-30.481	
		2592.990	8.6341	30.315	-63.410	-33.095	
		2649.990	5.1945	30.315	-62.641	-32.326	
	90	2541.000	4.9951	29.722	-61.836	-32.114	
		2545.020	4.0280	29.722	-61.636	-31.914	
		2592.990	9.4217	30.315	-62.507	-32.192	
		2644.980	8.8335	30.315	-63.705	-33.390	
	100	2546.010	3.7987	29.722	-63.173	-33.451	
		2550.000	4.9053	29.722	-61.845	-32.123	
		2592.990	3.8485	29.722	-62.970	-33.248	
		2640.000	8.2752	30.315	-63.564	-33.249	

Note:

1. Plots of the EUT's Conducted Spurious Emissions are shown Page 241 ~ 336.
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	-20.36	-21.11	-23.50	-23.63	-28.54	-28.72	-35.22
15 MHz	2503.500	BPSK	Full RB	-20.00	-28.11	-24.69	-28.28	-29.17	-28.37	-37.07
20 MHz	2506.020	BPSK	Full RB	-21.66	-25.91	-26.96	-28.13	-27.74	-27.90	-36.56
25 MHz	2508.510	BPSK	Full RB	-21.79	-24.82	-27.50	-27.60	-28.82	-27.75	-36.30
30 MHz	2511.000	BPSK	Full RB	-22.21	-29.42	-28.27	-28.59	-31.24	-28.15	-37.42
40 MHz	2516.010	BPSK	Full RB	-21.00	-22.74	-24.64	-22.60	-26.24	-22.90	-34.76
50 MHz	2521.020	BPSK	Full RB	-19.97	-28.42	-26.13	-29.82	-34.33	-29.29	-37.97
60 MHz	2526.000	BPSK	Full RB	-15.13	-15.94	-24.21	-23.77	-33.71	-31.03	-37.76
70 MHz	2531.010	BPSK	Full RB	-18.59	-27.18	-23.50	-26.91	-31.24	-27.74	-37.95
80 MHz	2536.020	BPSK	Full RB	-19.47	-20.41	-24.85	-23.85	-32.83	-26.34	-39.51
90 MHz	2541.000	BPSK	Full RB	-18.93	-23.62	-24.94	-25.22	-33.41	-27.23	-40.14
100 MHz	2546.010	BPSK	Full RB	-18.96	-25.35	-26.76	-27.62	-35.37	-31.43	-45.11
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	-19.86	-19.42	-27.90	-23.18	-37.80	-28.81	-36.49
15 MHz	2507.520	BPSK	Full RB	-20.42	-28.39	-28.46	-29.09	-31.03	-29.31	-36.18
20 MHz	2510.010	BPSK	Full RB	-21.53	-25.88	-29.64	-28.20	-29.70	-29.09	-36.84
25 MHz	2512.500	BPSK	Full RB	-21.39	-25.43	-28.97	-27.78	-28.84	-28.60	-34.95
30 MHz	2515.020	BPSK	Full RB	-22.46	-29.55	-30.36	-28.11	-30.30	-27.77	-36.18
40 MHz	2520.000	BPSK	Full RB	-21.74	-29.06	-29.31	-27.09	-29.69	-26.54	-37.77
50 MHz	2525.010	BPSK	Full RB	-20.31	-28.46	-33.16	-30.11	-35.29	-29.48	-37.24
60 MHz	2530.020	BPSK	Full RB	-15.36	-15.22	-30.80	-22.42	-35.28	-29.55	-37.16
70 MHz	2535.000	BPSK	Full RB	-19.52	-29.02	-33.10	-29.86	-34.94	-30.18	-37.80
80 MHz	2540.010	BPSK	Full RB	-18.35	-23.18	-32.29	-26.20	-35.76	-31.27	-41.03
90 MHz	2545.020	BPSK	Full RB	-18.99	-23.28	-29.72	-25.13	-30.04	-26.36	-38.88
100 MHz	2550.000	BPSK	Full RB	-17.76	-25.55	-31.90	-27.53	-33.09	-27.89	-43.62
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	-19.87	-21.15	-23.08	-23.44
	2685.000	BPSK	Full RB	0	-18.61	-21.03	-20.43	-24.53
15 MHz	2592.990	BPSK	Full RB	0	-19.42	-29.82	-24.55	-31.47
	2682.480	BPSK	Full RB	0	-18.90	-28.71	-19.57	-26.34
20 MHz	2592.990	BPSK	Full RB	0	-20.01	-25.55	-23.27	-27.48
	2679.990	BPSK	Full RB	0	-18.77	-25.32	-21.02	-28.10
25 MHz	2592.990	BPSK	Full RB	0	-20.19	-23.97	-22.97	-24.67
	2677.500	BPSK	Full RB	0	-19.09	-24.72	-21.38	-27.90
30 MHz	2592.990	BPSK	Full RB	0	-21.35	-31.56	-26.61	-30.95
	2679.990	BPSK	Full RB	0	-19.81	-28.39	-21.41	-25.93
40 MHz	2592.990	BPSK	Full RB	0	-20.59	-29.79	-26.11	-27.81
	2670.000	BPSK	Full RB	0	-19.95	-29.33	-23.20	-28.64
50 MHz	2592.990	BPSK	Full RB	0	-19.82	-27.40	-25.39	-27.02
	2664.990	BPSK	Full RB	0	-17.02	-24.65	-21.27	-26.15
60 MHz	2592.990	BPSK	Full RB	0	-14.36	-16.06	-22.41	-23.51
	2659.980	BPSK	Full RB	0	-13.42	-16.75	-20.46	-22.34
70 MHz	2592.990	BPSK	Full RB	0	-17.95	-26.01	-22.76	-26.87
	2655.000	BPSK	Full RB	0	-18.37	-27.53	-22.68	-28.61
80 MHz	2592.990	BPSK	Full RB	0	-17.48	-23.23	-23.17	-26.23
	2649.990	BPSK	Full RB	0	-18.72	-24.10	-23.89	-26.47
90 MHz	2592.990	BPSK	Full RB	0	-17.96	-25.03	-24.86	-27.12
	2644.980	BPSK	Full RB	0	-17.71	-24.75	-23.40	-27.13
100 MHz	2592.990	BPSK	Full RB	0	-17.26	-25.05	-25.19	-27.27
	2640.000	BPSK	Full RB	0	-17.79	-26.73	-25.33	-28.74
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	-27.43	-28.37	-37.74	-37.97
	2685.000	BPSK	Full RB	0	-22.49	-28.43	-38.77	-42.53
15 MHz	2592.990	BPSK	Full RB	0	-28.16	-31.93	-40.78	-39.98
	2682.480	BPSK	Full RB	0	-20.40	-27.85	-39.12	-43.15
20 MHz	2592.990	BPSK	Full RB	0	-26.60	-29.56	-40.58	-39.20
	2679.990	BPSK	Full RB	0	-21.57	-30.00	-41.72	-45.49
25 MHz	2592.990	BPSK	Full RB	0	-24.14	-25.78	-35.82	-35.45
	2677.500	BPSK	Full RB	0	-22.25	-30.15	-38.40	-41.83
30 MHz	2592.990	BPSK	Full RB	0	-26.44	-28.99	-40.09	-38.78
	2679.990	BPSK	Full RB	0	-20.79	-26.44	-39.11	-42.25
40 MHz	2592.990	BPSK	Full RB	0	-26.58	-27.19	-43.61	-42.14
	2670.000	BPSK	Full RB	0	-24.73	-29.18	-43.21	-46.68
50 MHz	2592.990	BPSK	Full RB	0	-26.78	-26.91	-38.00	-39.01
	2664.990	BPSK	Full RB	0	-24.48	-26.86	-37.26	-44.12
60 MHz	2592.990	BPSK	Full RB	0	-28.57	-27.60	-38.30	-39.70
	2659.980	BPSK	Full RB	0	-24.31	-25.29	-34.95	-46.21
70 MHz	2592.990	BPSK	Full RB	0	-27.25	-26.09	-38.22	-39.01
	2655.000	BPSK	Full RB	0	-28.43	-30.64	-37.46	-50.73
80 MHz	2592.990	BPSK	Full RB	0	-31.63	-30.55	-48.20	-42.20
	2649.990	BPSK	Full RB	0	-29.01	-28.12	-38.50	-52.49
90 MHz	2592.990	BPSK	Full RB	0	-32.09	-30.33	-53.04	-44.16
	2644.980	BPSK	Full RB	0	-29.32	-30.05	-42.50	-52.74
100 MHz	2592.990	BPSK	Full RB	0	-33.29	-31.58	-53.35	-48.68
	2640.000	BPSK	Full RB	0	-29.87	-31.52	-44.49	-53.15
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 337 ~ 468. (1RB & Full RB)

8.7 FREQUENCY STABILITY / VARIATION OF AMBIENT TEMPERATURE

BandWidth:	10 MHz
Voltage(100 %):	3.900 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 009 994	-3.3	0.000 000	-0.001
	100 %	-20	2501 009 997	-0.9	0.000 000	0.000
	100 %	-10	2501 009 995	-2.6	0.000 000	-0.001
	100 %	0	2501 009 997	-0.5	0.000 000	0.000
	100 %	+10	2501 009 996	-1.4	0.000 000	-0.001
	100 %	+30	2501 009 994	-3.0	0.000 000	-0.001
	100 %	+40	2501 009 995	-2.0	0.000 000	-0.001
	100 %	+50	2501 009 996	-1.7	0.000 000	-0.001
	Batt. Endpoint	+20	2501 009 995	-2.4	0.000 000	-0.001
2505.000	100 %	+20(Ref)	2504 999 997	0.0	0.000 000	0.000
	100 %	-30	2504 999 994	-2.1	0.000 000	-0.001
	100 %	-20	2504 999 993	-3.6	0.000 000	-0.001
	100 %	-10	2504 999 993	-3.1	0.000 000	-0.001
	100 %	0	2504 999 996	-0.8	0.000 000	0.000
	100 %	+10	2504 999 993	-3.4	0.000 000	-0.001
	100 %	+30	2504 999 993	-3.8	0.000 000	-0.002
	100 %	+40	2504 999 993	-4.0	0.000 000	-0.002
	100 %	+50	2504 999 995	-1.9	0.000 000	-0.001
	Batt. Endpoint	+20	2504 999 994	-2.9	0.000 000	-0.001
2685.000	100 %	+20(Ref)	2684 999 993	0.0	0.000 000	0.000
	100 %	-30	2684 999 985	-7.7	0.000 000	-0.003
	100 %	-20	2684 999 986	-6.6	0.000 000	-0.002
	100 %	-10	2684 999 987	-5.5	0.000 000	-0.002
	100 %	0	2684 999 981	-12.1	0.000 000	-0.005
	100 %	+10	2684 999 982	-10.6	0.000 000	-0.004
	100 %	+30	2684 999 988	-5.4	0.000 000	-0.002
	100 %	+40	2684 999 982	-11.2	0.000 000	-0.004
	100 %	+50	2684 999 983	-9.8	0.000 000	-0.004
	Batt. Endpoint	+20	2684 999 985	-8.1	0.000 000	-0.003

- ▣ BandWidth: 15 MHz
- ▣ Voltage(100 %): 3.900 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 500 001	0.0	0.000 000	0.000
	100 %	-30	2503 499 998	-2.2	0.000 000	-0.001
	100 %	-20	2503 499 999	-1.9	0.000 000	-0.001
	100 %	-10	2503 500 001	0.2	0.000 000	0.000
	100 %	0	2503 500 001	0.4	0.000 000	0.000
	100 %	+10	2503 500 000	-0.5	0.000 000	0.000
	100 %	+30	2503 500 001	0.0	0.000 000	0.000
	100 %	+40	2503 499 999	-1.5	0.000 000	-0.001
	100 %	+50	2503 499 999	-1.6	0.000 000	-0.001
	Batt. Endpoint	+20	2503 499 999	-1.6	0.000 000	-0.001
2507.520	100 %	+20(Ref)	2507 519 997	0.0	0.000 000	0.000
	100 %	-30	2507 519 993	-4.8	0.000 000	-0.002
	100 %	-20	2507 519 995	-2.3	0.000 000	-0.001
	100 %	-10	2507 519 995	-2.6	0.000 000	-0.001
	100 %	0	2507 519 996	-1.9	0.000 000	-0.001
	100 %	+10	2507 519 996	-1.8	0.000 000	-0.001
	100 %	+30	2507 519 995	-2.5	0.000 000	-0.001
	100 %	+40	2507 519 993	-4.2	0.000 000	-0.002
	100 %	+50	2507 519 994	-3.5	0.000 000	-0.001
	Batt. Endpoint	+20	2507 519 994	-3.1	0.000 000	-0.001
2682.480	100 %	+20(Ref)	2682 479 999	0.0	0.000 000	0.000
	100 %	-30	2682 480 000	1.2	0.000 000	0.000
	100 %	-20	2682 479 997	-1.2	0.000 000	0.000
	100 %	-10	2682 479 998	-0.7	0.000 000	0.000
	100 %	0	2682 479 999	0.2	0.000 000	0.000
	100 %	+10	2682 479 997	-1.2	0.000 000	0.000
	100 %	+30	2682 479 998	-0.5	0.000 000	0.000
	100 %	+40	2682 479 994	-4.7	0.000 000	-0.002
	100 %	+50	2682 479 998	-0.8	0.000 000	0.000
	Batt. Endpoint	+20	2682 479 994	-4.8	0.000 000	-0.002

- ▣ BandWidth: 20 MHz
- ▣ Voltage(100 %): 3.900 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	-1.2	0.000 000	0.000
	100 %	-20	2506 019 995	-2.4	0.000 000	-0.001
	100 %	-10	2506 019 994	-2.7	0.000 000	-0.001
	100 %	0	2506 019 993	-3.9	0.000 000	-0.002
	100 %	+10	2506 019 995	-1.8	0.000 000	-0.001
	100 %	+30	2506 019 994	-3.1	0.000 000	-0.001
	100 %	+40	2506 019 995	-2.0	0.000 000	-0.001
	100 %	+50	2506 019 995	-2.2	0.000 000	-0.001
	Batt. Endpoint	+20	2506 019 995	-1.8	0.000 000	-0.001
2510.010	100 %	+20(Ref)	2510 009 995	0.0	0.000 000	0.000
	100 %	-30	2510 009 993	-2.1	0.000 000	-0.001
	100 %	-20	2510 009 996	1.4	0.000 000	0.001
	100 %	-10	2510 009 993	-1.6	0.000 000	-0.001
	100 %	0	2510 009 991	-4.1	0.000 000	-0.002
	100 %	+10	2510 009 992	-3.2	0.000 000	-0.001
	100 %	+30	2510 009 990	-5.1	0.000 000	-0.002
	100 %	+40	2510 009 992	-3.4	0.000 000	-0.001
	100 %	+50	2510 009 993	-1.7	0.000 000	-0.001
	Batt. Endpoint	+20	2510 009 993	-2.3	0.000 000	-0.001
2679.990	100 %	+20(Ref)	2679 989 995	0.0	0.000 000	0.000
	100 %	-30	2679 989 992	-2.8	0.000 000	-0.001
	100 %	-20	2679 989 989	-6.1	0.000 000	-0.002
	100 %	-10	2679 989 994	-0.8	0.000 000	0.000
	100 %	0	2679 989 990	-5.1	0.000 000	-0.002
	100 %	+10	2679 989 997	2.5	0.000 000	0.001
	100 %	+30	2679 989 990	-4.6	0.000 000	-0.002
	100 %	+40	2679 989 989	-6.2	0.000 000	-0.002
	100 %	+50	2679 989 991	-3.6	0.000 000	-0.001
	Batt. Endpoint	+20	2679 989 991	-3.4	0.000 000	-0.001

- ▣ BandWidth: 25 MHz
- ▣ Voltage(100 %): 3.900 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 509 997	0.0	0.000 000	0.000
	100 %	-30	2508 509 995	-2.4	0.000 000	-0.001
	100 %	-20	2508 509 992	-4.7	0.000 000	-0.002
	100 %	-10	2508 509 995	-1.8	0.000 000	-0.001
	100 %	0	2508 509 991	-5.8	0.000 000	-0.002
	100 %	+10	2508 509 994	-2.8	0.000 000	-0.001
	100 %	+30	2508 509 991	-5.6	0.000 000	-0.002
	100 %	+40	2508 509 994	-3.0	0.000 000	-0.001
	100 %	+50	2508 509 994	-3.3	0.000 000	-0.001
	Batt. Endpoint	+20	2508 509 993	-3.7	0.000 000	-0.001
2512.500	100 %	+20(Ref)	2512 499 995	0.0	0.000 000	0.000
	100 %	-30	2512 499 992	-2.9	0.000 000	-0.001
	100 %	-20	2512 499 992	-3.0	0.000 000	-0.001
	100 %	-10	2512 499 991	-3.9	0.000 000	-0.002
	100 %	0	2512 499 993	-2.5	0.000 000	-0.001
	100 %	+10	2512 499 991	-4.2	0.000 000	-0.002
	100 %	+30	2512 499 992	-2.9	0.000 000	-0.001
	100 %	+40	2512 499 994	-1.6	0.000 000	-0.001
	100 %	+50	2512 499 993	-2.1	0.000 000	-0.001
	Batt. Endpoint	+20	2512 499 993	-2.4	0.000 000	-0.001
2677.500	100 %	+20(Ref)	2677 499 996	0.0	0.000 000	0.000
	100 %	-30	2677 499 991	-4.6	0.000 000	-0.002
	100 %	-20	2677 499 993	-2.8	0.000 000	-0.001
	100 %	-10	2677 499 993	-2.4	0.000 000	-0.001
	100 %	0	2677 499 993	-2.9	0.000 000	-0.001
	100 %	+10	2677 499 987	-8.2	0.000 000	-0.003
	100 %	+30	2677 499 993	-2.9	0.000 000	-0.001
	100 %	+40	2677 499 990	-5.8	0.000 000	-0.002
	100 %	+50	2677 499 990	-5.3	0.000 000	-0.002
	Batt. Endpoint	+20	2677 499 994	-2.1	0.000 000	-0.001

- ▣ BandWidth: 30 MHz
- ▣ Voltage(100 %): 3.900 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	2511 000 001	2.0	0.000 000	0.001
	100 %	-20	2511 000 001	2.3	0.000 000	0.001
	100 %	-10	2510 999 997	-1.8	0.000 000	-0.001
	100 %	0	2510 999 997	-2.2	0.000 000	-0.001
	100 %	+10	2511 000 001	2.1	0.000 000	0.001
	100 %	+30	2511 000 001	2.3	0.000 000	0.001
	100 %	+40	2510 999 998	-0.5	0.000 000	0.000
	100 %	+50	2511 000 000	1.4	0.000 000	0.001
	Batt. Endpoint	+20	2510 999 996	-3.2	0.000 000	-0.001
2515.020	100 %	+20(Ref)	2515 019 996	0.0	0.000 000	0.000
	100 %	-30	2515 019 992	-3.6	0.000 000	-0.001
	100 %	-20	2515 019 993	-2.9	0.000 000	-0.001
	100 %	-10	2515 019 991	-4.6	0.000 000	-0.002
	100 %	0	2515 019 994	-2.1	0.000 000	-0.001
	100 %	+10	2515 019 991	-4.7	0.000 000	-0.002
	100 %	+30	2515 019 994	-1.5	0.000 000	-0.001
	100 %	+40	2515 019 993	-3.0	0.000 000	-0.001
	100 %	+50	2515 019 993	-3.0	0.000 000	-0.001
	Batt. Endpoint	+20	2515 019 993	-3.5	0.000 000	-0.001
2674.980	100 %	+20(Ref)	2674 980 005	0.0	0.000 000	0.000
	100 %	-30	2674 980 012	7.2	0.000 000	0.003
	100 %	-20	2674 980 009	4.1	0.000 000	0.002
	100 %	-10	2674 980 005	-0.4	0.000 000	0.000
	100 %	0	2674 980 007	2.3	0.000 000	0.001
	100 %	+10	2674 980 006	1.3	0.000 000	0.000
	100 %	+30	2674 980 006	1.5	0.000 000	0.001
	100 %	+40	2674 980 006	1.5	0.000 000	0.001
	100 %	+50	2674 980 006	1.3	0.000 000	0.000
	Batt. Endpoint	+20	2674 980 005	0.1	0.000 000	0.000

- ▣ BandWidth: 40 MHz
- ▣ Voltage(100 %): 3.900 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 009 995	0.0	0.000 000	0.000
	100 %	-30	2516 009 992	-2.4	0.000 000	-0.001
	100 %	-20	2516 009 990	-4.6	0.000 000	-0.002
	100 %	-10	2516 009 989	-5.7	0.000 000	-0.002
	100 %	0	2516 009 988	-6.6	0.000 000	-0.003
	100 %	+10	2516 009 992	-2.4	0.000 000	-0.001
	100 %	+30	2516 009 986	-8.7	0.000 000	-0.003
	100 %	+40	2516 009 993	-2.3	0.000 000	-0.001
	100 %	+50	2516 009 995	0.0	0.000 000	0.000
	Batt. Endpoint	+20	2516 009 992	-3.3	0.000 000	-0.001
2520.000	100 %	+20(Ref)	2519 999 997	0.0	0.000 000	0.000
	100 %	-30	2519 999 993	-4.2	0.000 000	-0.002
	100 %	-20	2519 999 996	-1.2	0.000 000	0.000
	100 %	-10	2519 999 994	-2.7	0.000 000	-0.001
	100 %	0	2519 999 994	-2.8	0.000 000	-0.001
	100 %	+10	2519 999 994	-2.9	0.000 000	-0.001
	100 %	+30	2519 999 996	-0.4	0.000 000	0.000
	100 %	+40	2519 999 993	-3.8	0.000 000	-0.002
	100 %	+50	2519 999 993	-4.2	0.000 000	-0.002
	Batt. Endpoint	+20	2519 999 994	-3.2	0.000 000	-0.001
2670.000	100 %	+20(Ref)	2670 000 003	0.0	0.000 000	0.000
	100 %	-30	2670 000 009	6.3	0.000 000	0.002
	100 %	-20	2670 000 004	0.7	0.000 000	0.000
	100 %	-10	2670 000 004	1.3	0.000 000	0.000
	100 %	0	2670 000 006	2.6	0.000 000	0.001
	100 %	+10	2670 000 010	6.6	0.000 000	0.002
	100 %	+30	2670 000 009	6.3	0.000 000	0.002
	100 %	+40	2670 000 005	2.6	0.000 000	0.001
	100 %	+50	2670 000 008	5.0	0.000 000	0.002
	Batt. Endpoint	+20	2670 000 003	0.2	0.000 000	0.000

- ▣ BandWidth: 50 MHz
- ▣ Voltage(100 %): 3.900 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 019 995	0.0	0.000 000	0.000
	100 %	-30	2521 019 987	-7.6	0.000 000	-0.003
	100 %	-20	2521 019 993	-2.0	0.000 000	-0.001
	100 %	-10	2521 019 988	-6.7	0.000 000	-0.003
	100 %	0	2521 019 989	-6.1	0.000 000	-0.002
	100 %	+10	2521 019 989	-5.3	0.000 000	-0.002
	100 %	+30	2521 019 989	-5.3	0.000 000	-0.002
	100 %	+40	2521 019 990	-5.2	0.000 000	-0.002
	100 %	+50	2521 019 989	-6.2	0.000 000	-0.002
	Batt. Endpoint	+20	2521 019 990	-4.8	0.000 000	-0.002
2525.010	100 %	+20(Ref)	2525 009 999	0.0	0.000 000	0.000
	100 %	-30	2525 009 998	-0.8	0.000 000	0.000
	100 %	-20	2525 009 998	-1.2	0.000 000	0.000
	100 %	-10	2525 009 995	-3.4	0.000 000	-0.001
	100 %	0	2525 009 995	-4.0	0.000 000	-0.002
	100 %	+10	2525 009 996	-3.2	0.000 000	-0.001
	100 %	+30	2525 009 996	-3.1	0.000 000	-0.001
	100 %	+40	2525 009 996	-2.5	0.000 000	-0.001
	100 %	+50	2525 009 995	-3.6	0.000 000	-0.001
	Batt. Endpoint	+20	2525 009 996	-2.7	0.000 000	-0.001
2664.990	100 %	+20(Ref)	2664 990 000	0.0	0.000 000	0.000
	100 %	-30	2664 990 002	2.4	0.000 000	0.001
	100 %	-20	2664 989 998	-1.8	0.000 000	-0.001
	100 %	-10	2664 989 999	-0.4	0.000 000	0.000
	100 %	0	2664 989 996	-3.8	0.000 000	-0.001
	100 %	+10	2664 990 000	0.7	0.000 000	0.000
	100 %	+30	2664 990 001	1.4	0.000 000	0.001
	100 %	+40	2664 989 996	-4.0	0.000 000	-0.002
	100 %	+50	2664 990 000	-0.1	0.000 000	0.000
	Batt. Endpoint	+20	2664 989 996	-3.6	0.000 000	-0.001

- ▣ BandWidth: 60 MHz
- ▣ Voltage(100 %): 3.900 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)	2526 000 001	0.0	0.000 000	0.000
	100 %	-30	2525 999 998	-3.3	0.000 000	-0.001
	100 %	-20	2526 000 004	3.4	0.000 000	0.001
	100 %	-10	2526 000 004	3.2	0.000 000	0.001
	100 %	0	2525 999 994	-6.8	0.000 000	-0.003
	100 %	+10	2526 000 003	2.4	0.000 000	0.001
	100 %	+30	2526 000 003	1.6	0.000 000	0.001
	100 %	+40	2526 000 000	-1.0	0.000 000	0.000
	100 %	+50	2526 000 001	0.0	0.000 000	0.000
	Batt. Endpoint	+20	2526 000 001	-0.2	0.000 000	0.000
2530.020	100 %	+20(Ref)	2530 019 996	0.0	0.000 000	0.000
	100 %	-30	2530 019 994	-2.1	0.000 000	-0.001
	100 %	-20	2530 019 993	-3.2	0.000 000	-0.001
	100 %	-10	2530 019 993	-3.1	0.000 000	-0.001
	100 %	0	2530 019 994	-2.0	0.000 000	-0.001
	100 %	+10	2530 019 993	-3.7	0.000 000	-0.001
	100 %	+30	2530 019 994	-2.8	0.000 000	-0.001
	100 %	+40	2530 019 992	-4.3	0.000 000	-0.002
	100 %	+50	2530 019 994	-2.4	0.000 000	-0.001
	Batt. Endpoint	+20	2530 019 994	-2.0	0.000 000	-0.001
2659.980	100 %	+20(Ref)	2659 980 002	0.0	0.000 000	0.000
	100 %	-30	2659 979 997	-5.3	0.000 000	-0.002
	100 %	-20	2659 979 999	-3.4	0.000 000	-0.001
	100 %	-10	2659 979 999	-3.2	0.000 000	-0.001
	100 %	0	2659 980 000	-1.6	0.000 000	-0.001
	100 %	+10	2659 980 007	5.4	0.000 000	0.002
	100 %	+30	2659 979 996	-5.9	0.000 000	-0.002
	100 %	+40	2659 979 996	-6.3	0.000 000	-0.002
	100 %	+50	2659 979 999	-3.2	0.000 000	-0.001
	Batt. Endpoint	+20	2659 979 996	-5.6	0.000 000	-0.002

- ▣ BandWidth: 70 MHz
- ▣ Voltage(100 %): 3.900 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 010 001	0.0	0.000 000	0.000
	100 %	-30	2531 010 002	1.0	0.000 000	0.000
	100 %	-20	2531 010 005	3.9	0.000 000	0.002
	100 %	-10	2531 010 006	4.1	0.000 000	0.002
	100 %	0	2531 010 001	-0.2	0.000 000	0.000
	100 %	+10	2531 010 000	-1.9	0.000 000	-0.001
	100 %	+30	2531 010 003	1.5	0.000 000	0.001
	100 %	+40	2531 010 006	4.9	0.000 000	0.002
	100 %	+50	2531 010 006	4.2	0.000 000	0.002
	Batt. Endpoint	+20	2531 009 999	-2.0	0.000 000	-0.001
2535.000	100 %	+20(Ref)	2534 999 996	0.0	0.000 000	0.000
	100 %	-30	2534 999 992	-3.4	0.000 000	-0.001
	100 %	-20	2534 999 992	-3.5	0.000 000	-0.001
	100 %	-10	2534 999 992	-3.9	0.000 000	-0.002
	100 %	0	2534 999 993	-2.7	0.000 000	-0.001
	100 %	+10	2534 999 991	-5.0	0.000 000	-0.002
	100 %	+30	2534 999 993	-2.9	0.000 000	-0.001
	100 %	+40	2534 999 993	-2.9	0.000 000	-0.001
	100 %	+50	2534 999 989	-6.3	0.000 000	-0.002
	Batt. Endpoint	+20	2534 999 992	-3.6	0.000 000	-0.001
2655.000	100 %	+20(Ref)	2655 000 004	0.0	0.000 000	0.000
	100 %	-30	2655 000 006	1.5	0.000 000	0.001
	100 %	-20	2655 000 012	7.6	0.000 000	0.003
	100 %	-10	2655 000 009	4.9	0.000 000	0.002
	100 %	0	2655 000 009	4.4	0.000 000	0.002
	100 %	+10	2655 000 007	2.7	0.000 000	0.001
	100 %	+30	2655 000 012	7.4	0.000 000	0.003
	100 %	+40	2655 000 007	2.8	0.000 000	0.001
	100 %	+50	2655 000 012	7.4	0.000 000	0.003
	Batt. Endpoint	+20	2655 000 012	7.4	0.000 000	0.003

- ▣ BandWidth: 80 MHz
- ▣ Voltage(100 %): 3.900 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 020 008	5.0	0.000 000	0.002
	100 %	-20	2536 020 008	5.2	0.000 000	0.002
	100 %	-10	2536 020 007	3.8	0.000 000	0.002
	100 %	0	2536 020 010	6.7	0.000 000	0.003
	100 %	+10	2536 020 005	1.6	0.000 000	0.001
	100 %	+30	2536 020 009	5.9	0.000 000	0.002
	100 %	+40	2536 020 002	-0.9	0.000 000	0.000
	100 %	+50	2536 020 004	0.6	0.000 000	0.000
	Batt. Endpoint	+20	2536 020 007	3.9	0.000 000	0.002
2540.010	100 %	+20(Ref)	2540 009 997	0.0	0.000 000	0.000
	100 %	-30	2540 009 994	-2.6	0.000 000	-0.001
	100 %	-20	2540 009 994	-2.4	0.000 000	-0.001
	100 %	-10	2540 009 992	-4.4	0.000 000	-0.002
	100 %	0	2540 009 993	-3.4	0.000 000	-0.001
	100 %	+10	2540 009 994	-2.9	0.000 000	-0.001
	100 %	+30	2540 009 994	-2.8	0.000 000	-0.001
	100 %	+40	2540 009 994	-2.4	0.000 000	-0.001
	100 %	+50	2540 009 993	-3.3	0.000 000	-0.001
	Batt. Endpoint	+20	2540 009 993	-3.8	0.000 000	-0.002
2649.990	100 %	+20(Ref)	2649 989 997	0.0	0.000 000	0.000
	100 %	-30	2649 989 998	1.2	0.000 000	0.000
	100 %	-20	2649 989 996	-1.2	0.000 000	0.000
	100 %	-10	2649 989 995	-1.5	0.000 000	-0.001
	100 %	0	2649 989 995	-1.7	0.000 000	-0.001
	100 %	+10	2649 989 999	1.8	0.000 000	0.001
	100 %	+30	2649 989 997	0.3	0.000 000	0.000
	100 %	+40	2649 989 995	-1.9	0.000 000	-0.001
	100 %	+50	2649 989 993	-3.9	0.000 000	-0.001
	Batt. Endpoint	+20	2649 990 002	4.7	0.000 000	0.002

- ▣ BandWidth: 90 MHz
- ▣ Voltage(100 %): 3.900 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 999 992	0.0	0.000 000	0.000
	100 %	-30	2540 999 986	-6.0	0.000 000	-0.002
	100 %	-20	2540 999 988	-4.1	0.000 000	-0.002
	100 %	-10	2540 999 985	-7.0	0.000 000	-0.003
	100 %	0	2540 999 994	2.0	0.000 000	0.001
	100 %	+10	2540 999 986	-5.3	0.000 000	-0.002
	100 %	+30	2540 999 988	-3.4	0.000 000	-0.001
	100 %	+40	2540 999 988	-3.4	0.000 000	-0.001
	100 %	+50	2540 999 984	-7.8	0.000 000	-0.003
	Batt. Endpoint	+20	2540 999 986	-5.8	0.000 000	-0.002
2545.020	100 %	+20(Ref)	2545 019 996	0.0	0.000 000	0.000
	100 %	-30	2545 019 994	-1.8	0.000 000	-0.001
	100 %	-20	2545 019 995	-1.7	0.000 000	-0.001
	100 %	-10	2545 019 993	-3.5	0.000 000	-0.001
	100 %	0	2545 019 993	-3.0	0.000 000	-0.001
	100 %	+10	2545 019 993	-3.0	0.000 000	-0.001
	100 %	+30	2545 019 994	-2.6	0.000 000	-0.001
	100 %	+40	2545 019 993	-3.4	0.000 000	-0.001
	100 %	+50	2545 019 995	-1.6	0.000 000	-0.001
	Batt. Endpoint	+20	2545 019 994	-2.2	0.000 000	-0.001
2644.980	100 %	+20(Ref)	2644 980 003	0.0	0.000 000	0.000
	100 %	-30	2644 980 006	2.2	0.000 000	0.001
	100 %	-20	2644 980 005	2.1	0.000 000	0.001
	100 %	-10	2644 980 012	9.1	0.000 000	0.003
	100 %	0	2644 980 011	7.1	0.000 000	0.003
	100 %	+10	2644 980 006	3.0	0.000 000	0.001
	100 %	+30	2644 980 006	2.6	0.000 000	0.001
	100 %	+40	2644 980 006	2.9	0.000 000	0.001
	100 %	+50	2644 980 011	7.7	0.000 000	0.003
	Batt. Endpoint	+20	2644 980 007	3.8	0.000 000	0.001

- ▣ BandWidth: 100 MHz
- ▣ Voltage(100 %): 3.900 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 010 001	0.0	0.000 000	0.000
	100 %	-30	2546 009 999	-1.9	0.000 000	-0.001
	100 %	-20	2546 009 999	-1.5	0.000 000	-0.001
	100 %	-10	2546 009 998	-2.3	0.000 000	-0.001
	100 %	0	2546 010 000	-0.6	0.000 000	0.000
	100 %	+10	2546 010 000	-0.2	0.000 000	0.000
	100 %	+30	2546 010 001	0.3	0.000 000	0.000
	100 %	+40	2546 010 002	1.0	0.000 000	0.000
	100 %	+50	2546 009 997	-4.1	0.000 000	-0.002
	Batt. Endpoint	+20	2546 009 997	-3.5	0.000 000	-0.001
2550.000	100 %	+20(Ref)	2549 999 997	0.0	0.000 000	0.000
	100 %	-30	2549 999 994	-3.0	0.000 000	-0.001
	100 %	-20	2549 999 995	-2.2	0.000 000	-0.001
	100 %	-10	2549 999 995	-2.2	0.000 000	-0.001
	100 %	0	2549 999 996	-1.2	0.000 000	0.000
	100 %	+10	2549 999 994	-3.2	0.000 000	-0.001
	100 %	+30	2549 999 994	-3.3	0.000 000	-0.001
	100 %	+40	2549 999 994	-3.3	0.000 000	-0.001
	100 %	+50	2549 999 994	-2.6	0.000 000	-0.001
	Batt. Endpoint	+20	2549 999 995	-1.9	0.000 000	-0.001
2640.000	100 %	+20(Ref)	2640 000 006	0.0	0.000 000	0.000
	100 %	-30	2640 000 011	4.5	0.000 000	0.002
	100 %	-20	2640 000 008	1.5	0.000 000	0.001
	100 %	-10	2640 000 009	2.6	0.000 000	0.001
	100 %	0	2640 000 015	8.8	0.000 000	0.003
	100 %	+10	2640 000 006	-0.3	0.000 000	0.000
	100 %	+30	2640 000 008	1.8	0.000 000	0.001
	100 %	+40	2640 000 010	4.0	0.000 000	0.002
	100 %	+50	2640 000 012	5.3	0.000 000	0.002
	Batt. Endpoint	+20	2640 000 008	1.4	0.000 000	0.001

9. TEST DATA(Sub 5 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	-21.04	15.76	10.61	2.50	H	< 2.00	0.244	23.87	1	22
		QPSK	-21.28	15.52	10.61	2.50	H		0.231	23.63		
		16-QAM	-22.22	14.58	10.61	2.50	H		0.186	22.69		
		64-QAM	-23.88	12.92	10.61	2.50	H		0.127	21.03		
		256-QAM	-25.85	10.95	10.61	2.50	H		0.081	19.06		
2505.000		PI/2 BPSK	-20.80	16.06	10.58	2.51	H		0.259	24.13	1	22
		QPSK	-20.81	16.05	10.58	2.51	H		0.258	24.12		
		16-QAM	-21.40	15.46	10.58	2.51	H		0.225	23.53		
		64-QAM	-23.39	13.47	10.58	2.51	H		0.143	21.54		
		256-QAM	-25.51	11.35	10.58	2.51	H		0.087	19.42		
2592.990		PI/2 BPSK	-19.79	16.92	11.00	2.55	H		0.344	25.37	1	1
		QPSK	-19.80	16.91	11.00	2.55	H		0.344	25.36		
		16-QAM	-20.56	16.15	11.00	2.55	H		0.288	24.60		
		64-QAM	-22.31	14.40	11.00	2.55	H		0.193	22.85		
		256-QAM	-24.57	12.14	11.00	2.55	H		0.115	20.59		
2685.000		PI/2 BPSK	-21.24	16.32	10.82	2.61	H		0.284	24.53	1	12
		QPSK	-21.27	16.29	10.82	2.61	H		0.282	24.50		
		16-QAM	-22.24	15.32	10.82	2.61	H		0.225	23.53		
		64-QAM	-24.15	13.41	10.82	2.61	H		0.145	21.62		
		256-QAM	-26.09	11.47	10.82	2.61	H		0.093	19.68		

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	-20.76	16.10	10.58	2.51	H	< 2.00	0.261	24.17	1	36
		QPSK	-20.93	15.93	10.58	2.51	H		0.251	24.00		
		16-QAM	-21.80	15.06	10.58	2.51	H		0.206	23.13		
		64-QAM	-23.44	13.42	10.58	2.51	H		0.141	21.49		
		256-QAM	-25.57	11.29	10.58	2.51	H		0.086	19.36		
2507.500		PI/2 BPSK	-20.50	16.42	10.55	2.51	H		0.279	24.46	1	36
		QPSK	-20.51	16.41	10.55	2.51	H		0.279	24.45		
		16-QAM	-21.55	15.37	10.55	2.51	H		0.219	23.41		
		64-QAM	-23.19	13.73	10.55	2.51	H		0.150	21.77		
		256-QAM	-25.32	11.60	10.55	2.51	H		0.092	19.64		
2592.990		PI/2 BPSK	-19.50	17.21	11.00	2.55	H		0.368	25.66	1	1
		QPSK	-19.61	17.10	11.00	2.55	H		0.359	25.55		
		16-QAM	-20.76	15.95	11.00	2.55	H		0.275	24.40		
		64-QAM	-22.19	14.52	11.00	2.55	H		0.198	22.97		
		256-QAM	-24.36	12.35	11.00	2.55	H		0.120	20.80		
2682.480		PI/2 BPSK	-21.26	16.41	10.84	2.61	H		0.291	24.64	1	1
		QPSK	-21.33	16.34	10.84	2.61	H		0.286	24.57		
		16-QAM	-22.36	15.31	10.84	2.61	H		0.226	23.54		
		64-QAM	-23.98	13.69	10.84	2.61	H		0.156	21.92		
		256-QAM	-26.02	11.65	10.84	2.61	H		0.097	19.88		

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	-20.25	16.61	10.58	2.51	H	< 2.00	0.294	24.68	1	49
		QPSK	-20.33	16.53	10.58	2.51	H		0.288	24.60		
		16-QAM	-21.56	15.30	10.58	2.51	H		0.217	23.37		
		64-QAM	-22.95	13.91	10.58	2.51	H		0.158	21.98		
		256-QAM	-25.14	11.72	10.58	2.51	H		0.095	19.79		
2510.010		PI/2 BPSK	-20.32	16.60	10.55	2.51	H		0.291	24.64	1	49
		QPSK	-20.33	16.59	10.55	2.51	H		0.290	24.63		
		16-QAM	-21.36	15.56	10.55	2.51	H		0.229	23.60		
		64-QAM	-22.92	14.00	10.55	2.51	H		0.160	22.04		
		256-QAM	-25.06	11.86	10.55	2.51	H		0.098	19.90		
2592.990		PI/2 BPSK	-19.76	16.95	11.00	2.55	H		0.347	25.40	1	1
		QPSK	-19.78	16.93	11.00	2.55	H		0.345	25.38		
		16-QAM	-21.09	15.62	11.00	2.55	H		0.255	24.07		
		64-QAM	-22.73	13.98	11.00	2.55	H		0.175	22.43		
		256-QAM	-24.63	12.08	11.00	2.55	H		0.113	20.53		
2679.990		PI/2 BPSK	-21.25	16.42	10.84	2.61	H		0.292	24.65	1	1
		QPSK	-21.26	16.41	10.84	2.61	H		0.291	24.64		
		16-QAM	-22.43	15.24	10.84	2.61	H		0.222	23.47		
		64-QAM	-23.84	13.83	10.84	2.61	H		0.161	22.06		
		256-QAM	-26.16	11.51	10.84	2.61	H		0.094	19.74		

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	-20.17	16.75	10.55	2.51	H	< 2.00	0.301	24.79	1	63
		QPSK	-20.36	16.56	10.55	2.51	H		0.288	24.60		
		16-QAM	-21.26	15.66	10.55	2.51	H		0.234	23.70		
		64-QAM	-22.95	13.97	10.55	2.51	H		0.159	22.01		
		256-QAM	-24.79	12.13	10.55	2.51	H		0.104	20.17		
2512.500		PI/2 BPSK	-19.98	16.95	10.52	2.53	H		0.312	24.94	1	63
		QPSK	-20.02	16.91	10.52	2.53	H		0.309	24.90		
		16-QAM	-21.04	15.89	10.52	2.53	H		0.244	23.88		
		64-QAM	-22.55	14.38	10.52	2.53	H		0.173	22.37		
		256-QAM	-24.87	12.06	10.52	2.53	H		0.101	20.05		
2592.990		PI/2 BPSK	-19.72	16.99	11.00	2.55	H		0.350	25.44	1	1
		QPSK	-19.77	16.94	11.00	2.55	H		0.346	25.39		
		16-QAM	-20.80	15.91	11.00	2.55	H		0.273	24.36		
		64-QAM	-22.33	14.38	11.00	2.55	H		0.192	22.83		
		256-QAM	-24.37	12.34	11.00	2.55	H		0.120	20.79		
2677.500		PI/2 BPSK	-21.21	16.46	10.84	2.61	H		0.294	24.69	1	1
		QPSK	-21.31	16.36	10.84	2.61	H		0.288	24.59		
		16-QAM	-22.38	15.29	10.84	2.61	H		0.225	23.52		
		64-QAM	-23.77	13.90	10.84	2.61	H		0.163	22.13		
		256-QAM	-26.11	11.56	10.84	2.61	H		0.095	19.79		

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	-19.82	17.10	10.55	2.51	H	< 2.00	0.327	25.14	1	76
		QPSK	-19.90	17.02	10.55	2.51	H		0.321	25.06		
		16-QAM	-21.04	15.88	10.55	2.51	H		0.247	23.92		
		64-QAM	-22.32	14.60	10.55	2.51	H		0.184	22.64		
		256-QAM	-24.74	12.18	10.55	2.51	H		0.105	20.22		
2515.020		PI/2 BPSK	-19.82	17.11	10.52	2.53	H		0.324	25.10	1	76
		QPSK	-19.85	17.08	10.52	2.53	H		0.321	25.07		
		16-QAM	-20.97	15.96	10.52	2.53	H		0.248	23.95		
		64-QAM	-22.39	14.54	10.52	2.53	H		0.179	22.53		
		256-QAM	-24.49	12.44	10.52	2.53	H		0.110	20.43		
2592.990		PI/2 BPSK	-19.44	17.27	11.00	2.55	H		0.373	25.72	1	1
		QPSK	-19.65	17.06	11.00	2.55	H		0.356	25.51		
		16-QAM	-20.67	16.04	11.00	2.55	H		0.281	24.49		
		64-QAM	-22.07	14.64	11.00	2.55	H		0.204	23.09		
		256-QAM	-24.23	12.48	11.00	2.55	H		0.124	20.93		
2674.980		PI/2 BPSK	-21.19	16.10	10.85	2.62	H		0.271	24.33	1	1
		QPSK	-21.25	16.04	10.85	2.62	H		0.267	24.27		
		16-QAM	-22.21	15.08	10.85	2.62	H		0.214	23.31		
		64-QAM	-23.78	13.51	10.85	2.62	H		0.149	21.74		
		256-QAM	-25.94	11.35	10.85	2.62	H		0.091	19.58		

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	-19.49	17.44	10.52	2.53	H	< 2.00	0.349	25.43	1	104
		QPSK	-19.54	17.39	10.52	2.53	H		0.345	25.38		
		16-QAM	-20.61	16.32	10.52	2.53	H		0.270	24.31		
		64-QAM	-22.22	14.71	10.52	2.53	H		0.186	22.70		
		256-QAM	-24.24	12.69	10.52	2.53	H		0.117	20.68		
2520.000		PI/2 BPSK	-19.67	17.26	10.49	2.54	H		0.332	25.21	1	104
		QPSK	-19.68	17.25	10.49	2.54	H		0.331	25.20		
		16-QAM	-20.82	16.11	10.49	2.54	H		0.255	24.06		
		64-QAM	-22.26	14.67	10.49	2.54	H		0.183	22.62		
		256-QAM	-24.56	12.37	10.49	2.54	H		0.108	20.32		
2592.990		PI/2 BPSK	-19.76	16.95	11.00	2.55	H		0.347	25.40	1	1
		QPSK	-19.89	16.82	11.00	2.55	H		0.337	25.27		
		16-QAM	-20.85	15.86	11.00	2.55	H		0.270	24.31		
		64-QAM	-22.40	14.31	11.00	2.55	H		0.189	22.76		
		256-QAM	-24.70	12.01	11.00	2.55	H		0.111	20.46		
2670.000	PI/2 BPSK	-20.89	16.01	10.87	2.62	H	0.267	24.26	1	1		
	QPSK	-21.07	15.83	10.87	2.62	H	0.256	24.08				
	16-QAM	-22.10	14.80	10.87	2.62	H	0.202	23.05				
	64-QAM	-23.88	13.02	10.87	2.62	H	0.134	21.27				
	256-QAM	-26.00	10.90	10.87	2.62	H	0.082	19.15				

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2521.020	Sub6 n41 / 50 MHz [30 kHz]	PI/2 BPSK	-19.42	17.51	10.49	2.54	H	< 2.00	0.352	25.46	1	131
		QPSK	-19.54	17.39	10.49	2.54	H		0.342	25.34		
		16-QAM	-20.70	16.23	10.49	2.54	H		0.262	24.18		
		64-QAM	-22.18	14.75	10.49	2.54	H		0.186	22.70		
		256-QAM	-24.34	12.59	10.49	2.54	H		0.113	20.54		
2525.010		-20.43	-19.56	17.07	10.52	2.54	H		0.320	25.05	1	131
		-20.50	-19.61	17.02	10.52	2.54	H		0.316	25.00		
		-21.70	-20.62	16.01	10.52	2.54	H		0.251	23.99		
		-22.96	-22.15	14.48	10.52	2.54	H		0.176	22.46		
		-25.24	-24.24	12.39	10.52	2.54	H		0.109	20.37		
2592.990		PI/2 BPSK	-19.77	16.94	11.00	2.55	H		0.346	25.39	1	66
		QPSK	-19.92	16.79	11.00	2.55	H		0.334	25.24		
		16-QAM	-21.05	15.66	11.00	2.55	H		0.258	24.11		
		64-QAM	-22.37	14.34	11.00	2.55	H		0.190	22.79		
		256-QAM	-24.58	12.13	11.00	2.55	H		0.114	20.58		
2664.990		PI/2 BPSK	-21.21	15.74	10.88	2.64	H		0.250	23.98	1	1
		QPSK	-21.27	15.68	10.88	2.64	H		0.247	23.92		
		16-QAM	-22.40	14.55	10.88	2.64	H		0.190	22.79		
		64-QAM	-24.18	12.77	10.88	2.64	H		0.126	21.01		
		256-QAM	-25.95	11.00	10.88	2.64	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
2526.000	Sub6 41/ 60 MHz [30 kHz]	PI/2 BPSK	-19.73	16.90	10.52	2.54	H	< 2.00	0.308	24.88	1	82
		QPSK	-19.79	16.84	10.52	2.54	H		0.303	24.82		
		16-QAM	-20.85	15.78	10.52	2.54	H		0.238	23.76		
		64-QAM	-22.56	14.07	10.52	2.54	H		0.160	22.05		
		256-QAM	-24.54	12.09	10.52	2.54	H		0.102	20.07		
2530.020		PI/2 BPSK	-19.80	16.53	10.56	2.54	H		0.285	24.55	1	160
		QPSK	-19.79	16.54	10.56	2.54	H		0.286	24.56		
		16-QAM	-20.85	15.48	10.56	2.54	H		0.224	23.50		
		64-QAM	-22.49	13.84	10.56	2.54	H		0.153	21.86		
		256-QAM	-24.64	11.69	10.56	2.54	H		0.094	19.71		
2592.990		PI/2 BPSK	-19.51	17.20	11.00	2.55	H		0.367	25.65	1	1
		QPSK	-19.70	17.01	11.00	2.55	H		0.352	25.46		
		16-QAM	-20.80	15.91	11.00	2.55	H		0.273	24.36		
		64-QAM	-22.13	14.58	11.00	2.55	H		0.201	23.03		
		256-QAM	-24.37	12.34	11.00	2.55	H		0.120	20.79		
2659.980		PI/2 BPSK	-20.83	16.18	10.90	2.67	H		0.276	24.41	1	1
		QPSK	-20.92	16.09	10.90	2.67	H		0.270	24.32		
		16-QAM	-21.78	15.23	10.90	2.67	H		0.222	23.46		
		64-QAM	-23.73	13.28	10.90	2.67	H		0.142	21.51		
		256-QAM	-25.67	11.34	10.90	2.67	H		0.091	19.57		

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	-19.63	16.70	10.56	2.54	H	< 2.00	0.296	24.72	1	187
		QPSK	-19.69	16.64	10.56	2.54	H		0.292	24.66		
		16-QAM	-20.60	15.73	10.56	2.54	H		0.237	23.75		
		64-QAM	-22.26	14.07	10.56	2.54	H		0.162	22.09		
		256-QAM	-24.47	11.86	10.56	2.54	H		0.097	19.88		
2535.000		PI/2 BPSK	-19.54	16.92	10.59	2.54	H		0.314	24.97	1	94
		QPSK	-19.59	16.87	10.59	2.54	H		0.310	24.92		
		16-QAM	-20.62	15.84	10.59	2.54	H		0.245	23.89		
		64-QAM	-22.28	14.18	10.59	2.54	H		0.167	22.23		
		256-QAM	-24.31	12.15	10.59	2.54	H		0.105	20.20		
2592.990		PI/2 BPSK	-19.91	16.80	11.00	2.55	H		0.335	25.25	1	94
		QPSK	-19.93	16.78	11.00	2.55	H		0.333	25.23		
		16-QAM	-20.95	15.76	11.00	2.55	H		0.264	24.21		
		64-QAM	-22.67	14.04	11.00	2.55	H		0.177	22.49		
		256-QAM	-24.69	12.02	11.00	2.55	H		0.111	20.47		
2655.000		PI/2 BPSK	-20.29	16.62	10.91	2.68	H		0.305	24.85	1	1
		QPSK	-20.38	16.53	10.91	2.68	H		0.299	24.76		
		16-QAM	-21.32	15.59	10.91	2.68	H		0.241	23.82		
		64-QAM	-22.87	14.04	10.91	2.68	H		0.169	22.27		
		256-QAM	-24.99	11.92	10.91	2.68	H		0.104	20.15		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2536.020	Sub6 41/ 80 MHz [30 kHz]	PI/2 BPSK	-19.51	16.95	10.59	2.54	H	< 2.00	0.316	25.00	1	108
		QPSK	-19.53	16.93	10.59	2.54	H		0.315	24.98		
		16-QAM	-20.68	15.78	10.59	2.54	H		0.242	23.83		
		64-QAM	-22.27	14.19	10.59	2.54	H		0.167	22.24		
		256-QAM	-24.31	12.15	10.59	2.54	H		0.105	20.20		
2540.010		PI/2 BPSK	-19.60	16.98	10.62	2.53	H		0.321	25.07	1	108
		QPSK	-19.64	16.94	10.62	2.53	H		0.318	25.03		
		16-QAM	-20.67	15.91	10.62	2.53	H		0.251	24.00		
		64-QAM	-22.25	14.33	10.62	2.53	H		0.175	22.42		
		256-QAM	-24.39	12.19	10.62	2.53	H		0.107	20.28		
2592.990		PI/2 BPSK	-19.91	16.80	11.00	2.55	H		0.335	25.25	1	108
		QPSK	-19.93	16.78	11.00	2.55	H		0.333	25.23		
		16-QAM	-20.98	15.73	11.00	2.55	H		0.262	24.18		
		64-QAM	-22.40	14.31	11.00	2.55	H		0.189	22.76		
		256-QAM	-24.66	12.05	11.00	2.55	H		0.112	20.50		
2649.990		PI/2 BPSK	-20.11	16.68	10.93	2.69	H		0.310	24.92	1	1
		QPSK	-20.20	16.59	10.93	2.69	H		0.304	24.83		
		16-QAM	-21.16	15.63	10.93	2.69	H		0.244	23.87		
		64-QAM	-22.84	13.95	10.93	2.69	H		0.166	22.19		
		256-QAM	-25.15	11.64	10.93	2.69	H		0.097	19.88		

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	-19.45	17.13	10.62	2.53	H	< 2.00	0.333	25.22	1	122
		QPSK	-19.52	17.06	10.62	2.53	H		0.327	25.15		
		16-QAM	-20.58	16.00	10.62	2.53	H		0.256	24.09		
		64-QAM	-22.21	14.37	10.62	2.53	H		0.176	22.46		
		256-QAM	-24.23	12.35	10.62	2.53	H		0.111	20.44		
2545.020		PI/2 BPSK	-19.57	16.98	10.66	2.53	H		0.324	25.11	1	243
		QPSK	-19.64	16.91	10.66	2.53	H		0.319	25.04		
		16-QAM	-20.77	15.78	10.66	2.53	H		0.246	23.91		
		64-QAM	-22.23	14.32	10.66	2.53	H		0.176	22.45		
		256-QAM	-24.25	12.30	10.66	2.53	H		0.110	20.43		
2592.990		PI/2 BPSK	-19.25	17.46	11.00	2.55	H		0.390	25.91	1	1
		QPSK	-19.26	17.45	11.00	2.55	H		0.389	25.90		
		16-QAM	-20.20	16.51	11.00	2.55	H		0.313	24.96		
		64-QAM	-21.73	14.98	11.00	2.55	H		0.220	23.43		
		256-QAM	-24.00	12.71	11.00	2.55	H		0.131	21.16		
2644.980		PI/2 BPSK	-19.75	17.36	10.95	2.68	H		0.366	25.63	1	1
		QPSK	-19.83	17.28	10.95	2.68	H		0.359	25.55		
		16-QAM	-20.76	16.35	10.95	2.68	H		0.290	24.62		
		64-QAM	-22.52	14.59	10.95	2.68	H		0.193	22.86		
		256-QAM	-24.68	12.43	10.95	2.68	H		0.117	20.70		

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
2546.010	Sub6 41/ 100 MHz [30 kHz]	PI/2 BPSK	-19.74	16.81	10.66	2.53	H	< 2.00	0.312	24.94	1	271
		QPSK	-19.83	16.72	10.66	2.53	H		0.305	24.85		
		16-QAM	-20.95	15.60	10.66	2.53	H		0.236	23.73		
		64-QAM	-22.46	14.09	10.66	2.53	H		0.167	22.22		
		256-QAM	-24.65	11.90	10.66	2.53	H		0.101	20.03		
2550.000		PI/2 BPSK	-19.65	16.88	10.69	2.53	H		0.319	25.04	1	271
		QPSK	-19.69	16.84	10.69	2.53	H		0.316	25.00		
		16-QAM	-20.70	15.83	10.69	2.53	H		0.251	23.99		
		64-QAM	-22.28	14.25	10.69	2.53	H		0.174	22.41		
		256-QAM	-24.42	12.11	10.69	2.53	H		0.106	20.27		
2592.990		PI/2 BPSK	-19.23	17.48	11.00	2.55	H		0.392	25.93	1	1
		QPSK	-19.26	17.45	11.00	2.55	H		0.389	25.90		
		16-QAM	-20.37	16.34	11.00	2.55	H		0.301	24.79		
		64-QAM	-21.91	14.80	11.00	2.55	H		0.211	23.25		
		256-QAM	-24.05	12.66	11.00	2.55	H		0.129	21.11		
2640.000		PI/2 BPSK	-19.54	17.90	10.96	2.68	H		0.415	26.18	1	1
		QPSK	-19.77	17.67	10.96	2.68	H		0.394	25.95		
		16-QAM	-20.74	16.70	10.96	2.68	H		0.315	24.98		
		64-QAM	-22.39	15.05	10.96	2.68	H		0.215	23.33		
		256-QAM	-24.36	13.08	10.96	2.68	H		0.137	21.36		

9.2 RADIATED SPURIOUS EMISSIONS

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

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
500202 (2501.010)	5 002.02	-62.21	11.22	-63.92	3.71	V	-56.41	-25.00	1	22
	7 503.03	-64.14	11.54	-56.71	4.60	V	-49.77	-25.00		
	10 004.04	-59.72	11.47	-50.32	5.47	V	-44.32	-25.00		
501000 (2505.000)	5 010.00	-61.42	11.18	-62.56	3.72	H	-55.10	-25.00	1	22
	7 515.00	-64.12	11.56	-56.54	4.60	H	-49.58	-25.00		
	10 020.00	-63.45	11.46	-53.77	5.47	H	-47.78	-25.00		
518598 (2592.990)	5 185.98	-57.49	11.61	-58.66	3.80	V	-50.85	-25.00	1	1
	7 778.97	-55.77	11.26	-48.70	4.70	H	-42.14	-25.00		
	10 371.96	-63.01	11.68	-51.92	5.55	V	-45.79	-25.00		
537000 (2685.000)	5 370.00	-53.61	11.96	-55.24	3.92	H	-47.20	-25.00	1	12
	8 055.00	-43.75	11.24	-36.47	4.81	H	-30.04	-25.00		
	10 740.00	-63.39	11.55	-51.37	5.64	V	-45.46	-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	-61.73	11.20	-63.16	3.71	H	-55.67	-25.00	1	36
	7 510.50	-63.56	11.55	-56.02	4.60	H	-49.07	-25.00		
	10 014.00	-62.08	11.46	-52.69	5.47	H	-46.70	-25.00		
501504 (2507.500)	5 015.00	-62.03	11.17	-62.95	3.70	H	-55.48	-25.00	1	36
	7 522.50	-62.89	11.57	-55.24	4.61	H	-48.28	-25.00		
	10 030.00	-62.76	11.45	-53.72	5.47	H	-47.74	-25.00		
518598 (2592.990)	5 185.98	-58.91	11.61	-60.08	3.80	H	-52.27	-25.00	1	1
	7 778.97	-63.35	11.26	-56.28	4.70	H	-49.72	-25.00		
	10 371.96	-65.20	11.68	-54.11	5.55	H	-47.98	-25.00		
536496 (2682.480)	5 364.96	-55.00	11.95	-56.52	3.91	H	-48.48	-25.00	1	1
	8 047.44	-46.82	11.23	-39.60	4.81	V	-33.18	-25.00		
	10 729.92	-62.89	11.56	-50.82	5.65	H	-44.91	-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	-61.58	11.18	-62.72	3.72	H	-55.26	-25.00	1	49
	7 518.06	-64.00	11.56	-56.36	4.61	H	-49.41	-25.00		
	10 024.08	-63.01	11.46	-53.66	5.47	H	-47.67	-25.00		
502002 (2510.010)	5 020.02	-60.69	11.17	-61.39	3.69	H	-53.91	-25.00	1	49
	7 530.03	-61.74	11.57	-54.08	4.60	H	-47.11	-25.00		
	10 040.04	-63.00	11.44	-53.54	5.49	H	-47.59	-25.00		
518598 (2592.990)	5 185.98	-61.00	11.61	-62.17	3.80	H	-54.36	-25.00	1	1
	7 778.97	-60.92	11.26	-53.85	4.70	H	-47.29	-25.00		
	10 371.96	-63.22	11.68	-52.13	5.55	H	-46.00	-25.00		
535998 (2679.990)	5 359.98	-54.49	11.95	-55.92	3.90	H	-47.87	-25.00	1	1
	8 039.97	-49.20	11.22	-41.89	4.80	V	-35.47	-25.00		
	10 719.96	-62.94	11.56	-51.29	5.64	H	-45.37	-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	-62.44	11.17	-63.36	3.70	H	-55.89	-25.00	1	63
	7 525.53	-63.46	11.57	-55.81	4.61	H	-48.85	-25.00		
	10 034.04	-63.51	11.45	-54.27	5.48	H	-48.30	-25.00		
502500 (2512.500)	5 025.00	-61.83	11.18	-62.60	3.68	H	-55.10	-25.00	1	63
	7 537.50	-62.55	11.58	-55.02	4.61	H	-48.05	-25.00		
	10 050.00	-62.38	11.43	-53.18	5.48	H	-47.23	-25.00		
518598 (2592.990)	5 185.98	-61.44	11.61	-62.61	3.80	H	-54.80	-25.00	1	1
	7 778.97	-62.80	11.26	-55.73	4.70	H	-49.17	-25.00		
	10 371.96	-63.61	11.68	-52.52	5.55	H	-46.39	-25.00		
535500 (2677.500)	5 355.00	-54.57	11.94	-56.12	3.88	V	-48.06	-25.00	1	1
	8 032.50	-48.80	11.21	-41.51	4.80	V	-35.10	-25.00		
	10 710.00	-63.85	11.57	-52.13	5.65	H	-46.21	-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	-61.46	11.17	-62.16	3.69	H	-54.68	-25.00	1	76
	7 533.00	-62.85	11.57	-55.25	4.61	H	-48.29	-25.00		
	10 044.00	-61.99	11.44	-52.67	5.48	H	-46.71	-25.00		
503004 (2515.020)	5 030.04	-62.38	11.19	-63.22	3.67	H	-55.70	-25.00	1	76
	7 545.06	-61.79	11.58	-54.33	4.62	H	-47.37	-25.00		
	10 060.08	-61.58	11.42	-52.46	5.48	H	-46.52	-25.00		
518598 (2592.990)	5 185.98	-63.00	11.61	-64.17	3.80	H	-56.36	-25.00	1	1
	7 778.97	-62.74	11.26	-55.67	4.70	H	-49.11	-25.00		
	10 371.96	-62.90	11.68	-51.81	5.55	H	-45.68	-25.00		
534996 (2674.980)	5 349.96	-57.21	11.94	-58.90	3.85	H	-50.81	-25.00	1	39
	8 024.94	-49.45	11.20	-42.20	4.79	H	-35.79	-25.00		
	10 699.92	-63.25	11.57	-51.25	5.67	H	-45.35	-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	-62.66	11.19	-63.50	3.67	H	-55.98	-25.00	1	104
	7 548.03	-62.28	11.59	-54.91	4.63	H	-47.95	-25.00		
	10 064.04	-62.43	11.42	-53.21	5.47	H	-47.26	-25.00		
504000 (2520.000)	5 040.00	-63.00	11.20	-64.04	3.68	H	-56.52	-25.00	1	104
	7 560.00	-64.15	11.60	-56.61	4.64	H	-49.65	-25.00		
	10 080.00	-62.79	11.41	-53.78	5.47	H	-47.84	-25.00		
518598 (2592.990)	5 185.98	-62.18	11.61	-63.35	3.80	H	-55.54	-25.00	1	1
	7 778.97	-62.51	11.26	-55.44	4.70	H	-48.88	-25.00		
	10 371.96	-63.92	11.68	-52.83	5.55	H	-46.70	-25.00		
534000 (2670.000)	5 340.00	-53.68	11.93	-55.66	3.80	H	-47.53	-25.00	1	53
	8 010.00	-49.75	11.17	-42.43	4.77	H	-36.03	-25.00		
	10 680.00	-64.44	11.57	-51.86	5.71	H	-46.00	-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	-63.33	11.20	-64.37	3.68	H	-56.85	-25.00	1	131
	7 563.06	-63.07	11.60	-55.54	4.64	H	-48.58	-25.00		
	10 084.08	-63.18	11.40	-53.95	5.46	H	-48.01	-25.00		
505002 (2525.010)	5 050.02	-62.44	11.22	-63.91	3.73	H	-56.42	-25.00	1	131
	7 575.03	-62.79	11.61	-55.20	4.65	H	-48.24	-25.00		
	10 100.04	-63.08	11.39	-53.66	5.46	H	-47.73	-25.00		
518598 (2592.990)	5 185.98	-63.11	11.61	-64.28	3.80	H	-56.47	-25.00	1	66
	7 778.97	-63.79	11.26	-56.72	4.70	H	-50.16	-25.00		
	10 371.96	-62.35	11.68	-51.26	5.55	H	-45.13	-25.00		
532998 (2664.990)	5 329.98	-55.19	11.92	-56.92	3.77	H	-48.77	-25.00	1	66
	7 994.97	-50.44	11.13	-42.89	4.77	H	-36.53	-25.00		
	10 659.96	-63.28	11.58	-50.88	5.67	H	-44.97	-25.00		

☐ NR Band: n41
☐ Bandwidth: 60 MHz
☐ Modulation: PI/2 BPSK
☐ Distance: 1 meter
☐ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
505200 (2526.000)	5 052.00	-62.51	11.22	-63.98	3.73	H	-56.49	-25.00	1	82
	7 578.00	-62.17	11.61	-54.51	4.65	H	-47.55	-25.00		
	10 104.00	-62.08	11.39	-52.52	5.46	H	-46.59	-25.00		
506004 (2530.020)	5 060.04	63.91	11.24	62.54	3.78	H	70.00	-25.00	1	160
	7 590.06	-64.52	11.62	-57.16	4.64	H	-50.18	-25.00		
	10 120.08	-64.08	11.38	-54.20	5.47	H	-48.29	-25.00		
518598 (2592.990)	5 185.98	-62.52	11.61	-63.69	3.80	H	-55.88	-25.00	1	4
	7 778.97	-62.87	11.26	-55.80	4.70	H	-49.24	-25.00		
	10 371.96	-63.91	11.68	-52.82	5.55	H	-46.69	-25.00		
531996 (2659.980)	5 319.96	-57.29	11.91	-58.84	3.79	H	-50.72	-25.00	1	82
	7 979.94	-50.89	11.10	-43.19	4.79	H	-36.88	-25.00		
	10 639.92	-62.45	11.58	-50.07	5.61	H	-44.10	-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	-61.89	11.24	-63.26	3.78	H	-55.80	-25.00	1	187
	7 593.03	-63.00	11.62	-55.72	4.64	H	-48.74	-25.00		
	10 124.04	-62.39	11.37	-52.70	5.47	H	-46.80	-25.00		
507000 (2535.000)	5 070.00	-62.79	11.25	-63.95	3.80	H	-56.50	-25.00	1	94
	7 605.00	-64.08	11.60	-57.03	4.64	H	-50.07	-25.00		
	10 140.00	-63.37	11.36	-53.43	5.48	H	-47.55	-25.00		
518598 (2592.990)	5 185.98	-61.49	11.61	-62.66	3.80	H	-54.85	-25.00	1	94
	7 778.97	-61.85	11.26	-54.78	4.70	H	-48.22	-25.00		
	10 371.96	-62.08	11.68	-50.99	5.55	H	-44.86	-25.00		
531000 (2655.000)	5 310.00	-53.96	11.91	-55.07	3.82	H	-46.98	-25.00	1	94
	7 965.00	-50.73	11.07	-42.91	4.80	H	-36.64	-25.00		
	10 620.00	-63.66	11.58	-51.62	5.65	H	-45.69	-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	-60.28	11.25	-61.44	3.80	H	-53.99	-25.00	1	108
	7 608.06	-63.90	11.60	-57.02	4.64	H	-50.06	-25.00		
	10 144.08	-63.51	11.36	-53.90	5.48	H	-48.02	-25.00		
508002 (2540.010)	5 080.02	-62.51	11.27	-63.31	3.81	H	-55.85	-25.00	1	108
	7 620.03	-63.58	11.58	-56.70	4.65	H	-49.77	-25.00		
	10 160.04	-62.89	11.35	-52.77	5.49	H	-46.91	-25.00		
518598 (2592.990)	5 185.98	-63.14	11.61	-64.31	3.80	H	-56.50	-25.00	1	108
	7 778.97	-62.67	11.26	-55.60	4.70	H	-49.04	-25.00		
	10 371.96	-61.11	11.68	-50.02	5.55	H	-43.89	-25.00		
529998 (2649.990)	5 299.98	-53.81	11.90	-55.31	3.83	H	-47.24	-25.00	1	108
	7 949.97	-51.43	11.03	-43.78	4.78	H	-37.53	-25.00		
	10 599.96	-63.72	11.58	-52.43	5.67	H	-46.52	-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	-60.58	11.27	-61.38	3.81	H	-53.92	-25.00	1	122
	7 623.00	-64.20	11.57	-57.26	4.65	H	-50.34	-25.00		
	10 164.00	-63.11	11.34	-53.25	5.50	H	-47.41	-25.00		
509004 (2545.020)	5 090.04	-62.89	11.29	-63.77	3.78	H	-56.26	-25.00	1	243
	7 635.06	-64.90	11.55	-57.91	4.67	H	-51.03	-25.00		
	10 180.08	-63.40	11.35	-53.09	5.51	H	-47.25	-25.00		
518598 (2592.990)	5 185.98	-57.88	11.61	-59.05	3.80	H	-51.24	-25.00	1	1
	7 778.97	-63.15	11.26	-56.08	4.70	H	-49.52	-25.00		
	10 371.96	-61.58	11.68	-50.49	5.55	H	-44.36	-25.00		
528996 (2644.980)	5 289.96	-55.21	11.89	-56.79	3.83	H	-48.73	-25.00	1	122
	7 934.94	-51.47	11.01	-44.09	4.77	H	-37.85	-25.00		
	10 579.92	-64.58	11.62	-53.43	5.65	H	-47.46	-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	-61.12	11.29	-62.00	3.78	H	-54.49	-25.00	1	271
	7 638.03	-64.39	11.54	-57.42	4.68	H	-50.56	-25.00		
	10 184.04	-62.64	11.35	-52.60	5.52	H	-46.77	-25.00		
510000 (2550.000)	5 100.00	-61.10	11.31	-62.29	3.78	H	-54.76	-25.00	1	271
	7 650.00	-63.74	11.52	-56.61	4.68	H	-49.77	-25.00		
	10 200.00	-63.89	11.38	-53.73	5.54	H	-47.89	-25.00		
518598 (2592.990)	5 185.98	-61.53	11.61	-62.70	3.80	H	-54.89	-25.00	1	1
	7 778.97	-63.51	11.26	-56.44	4.70	H	-49.88	-25.00		
	10 371.96	-62.45	11.68	-51.36	5.55	H	-45.23	-25.00		
528000 (2640.000)	5 280.00	-52.46	11.88	-54.49	3.80	H	-46.41	-25.00	1	136
	7 920.00	-48.05	11.02	-40.63	4.77	H	-34.38	-25.00		
	10 560.00	-63.81	11.65	-52.87	5.63	H	-46.85	-25.00		

9.3 PEAK-TO-AVERAGE RATIO

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (dB)
Sub6 n41(38)	10 MHz	2592.990	BPSK	24	0	4.43
			QPSK			5.69
			16-QAM			6.45
			64-QAM			6.63
			256-QAM			6.80
	15 MHz		BPSK	36		4.64
			QPSK			5.67
			16-QAM			6.41
			64-QAM			6.59
			256-QAM			6.82
	20 MHz		BPSK	50		4.22
			QPSK			5.61
			16-QAM			6.38
			64-QAM			6.67
			256-QAM			6.78
	25 MHz		BPSK	64		4.31
			QPSK			5.63
			16-QAM			6.41
			64-QAM			6.69
			256-QAM			6.76
	30 MHz		BPSK	75		4.70
			QPSK			5.61
			16-QAM			6.40
			64-QAM			6.59
			256-QAM			6.71
	40 MHz		BPSK	100		4.38
			QPSK			5.65
			16-QAM			6.40
			64-QAM			6.69
			256-QAM			6.79
	50 MHz		BPSK	128		4.97
			QPSK			5.63
			16-QAM			6.39
			64-QAM			6.56
			256-QAM			6.73

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (dB)
Sub6 n41(38)	60 MHz	2592.990	BPSK	162	0	5.93
			QPSK			6.10
			16-QAM			6.49
			64-QAM			6.62
			256-QAM			6.78
	70 MHz		BPSK	180		4.30
			QPSK			5.56
			16-QAM			6.44
			64-QAM			6.58
			256-QAM			6.83
	80 MHz		BPSK	216		5.53
			QPSK			5.51
			16-QAM			6.35
			64-QAM			6.52
			256-QAM			6.78
	90 MHz		BPSK	243		4.04
			QPSK			5.48
			16-QAM			6.31
			64-QAM			6.49
			256-QAM			6.66
	100 MHz		BPSK	270		4.86
			QPSK			5.43
			16-QAM			6.32
			64-QAM			6.47
			256-QAM			6.65

Note:

1. Plots of the EUT's Peak- to- Average Ratio are shown Page 470 ~ 529.

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	8.6730
			QPSK			8.7083
			16-QAM			8.6647
			64-QAM			8.6624
			256-QAM			8.6889
	15 MHz		BPSK	36		12.940
			QPSK			12.936
			16-QAM			12.983
			64-QAM			12.971
			256-QAM			12.952
	20 MHz		BPSK	50		17.936
			QPSK			17.890
			16-QAM			17.910
			64-QAM			17.900
			256-QAM			17.987
	25 MHz		BPSK	64		22.983
			QPSK			23.043
			16-QAM			22.929
			64-QAM			22.931
			256-QAM			22.951
	30 MHz		BPSK	75		26.966
			QPSK			26.897
			16-QAM			26.871
			64-QAM			26.889
			256-QAM			26.811
	40 MHz		BPSK	100		35.840
			QPSK			35.831
			16-QAM			35.841
			64-QAM			35.826
			256-QAM			35.918
	50 MHz		BPSK	128		46.023
			QPSK			45.947
			16-QAM			45.911
			64-QAM			45.831
			256-QAM			45.827

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (MHz)
Sub6 n41(38)	60 MHz	2592.990	BPSK	162	0	58.070
			QPSK			58.017
			16-QAM			58.139
			64-QAM			58.180
			256-QAM			58.163
	70 MHz		BPSK	180		64.623
			QPSK			64.572
			16-QAM			64.425
			64-QAM			64.539
			256-QAM			64.636
	80 MHz		BPSK	216		77.080
			QPSK			77.126
			16-QAM			77.324
			64-QAM			77.188
			256-QAM			77.401
	90 MHz		BPSK	243		86.698
			QPSK			86.586
			16-QAM			86.666
			64-QAM			86.686
			256-QAM			86.547
	100 MHz		BPSK	270		96.323
			QPSK			96.327
			16-QAM			96.037
			64-QAM			96.093
			256-QAM			95.908

Note:

1. Plots of the EUT's Occupied Bandwidth are shown Page 530 ~ 589.

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	5.0050	30.315	-61.036	-30.721	-25.00
		2505.000	3.6092	29.722	-62.096	-32.374	
		2592.990	3.8086	29.722	-62.009	-32.287	
		2685.000	4.0778	29.722	-61.957	-32.235	
	15	2503.500	3.7987	29.722	-61.360	-31.638	
		2507.520	7.6670	30.315	-61.396	-31.081	
		2592.990	3.7787	29.722	-60.072	-30.350	
		2682.480	3.9682	29.722	-61.347	-31.625	
	20	2506.020	4.0579	29.722	-61.224	-31.502	
		2510.010	4.9751	29.722	-61.617	-31.895	
		2592.990	3.9582	29.722	-61.122	-31.400	
		2679.990	3.7688	29.722	-61.009	-31.287	
	25	2508.480	3.8186	29.722	-61.749	-32.027	
		2512.500	3.7488	29.722	-61.609	-31.887	
		2592.990	3.7688	29.722	-60.212	-30.490	
		2677.500	7.7468	30.315	-61.316	-31.001	
	30	2511.000	4.9751	29.722	-60.310	-30.588	
		2515.000	3.7987	29.722	-61.232	-31.510	
		2592.990	9.6411	30.315	-61.817	-31.502	
		2674.980	4.9751	29.722	-61.378	-31.656	
	40	2516.010	4.9652	29.722	-60.945	-31.223	
		2520.000	4.9452	29.722	-61.749	-32.027	
		2592.990	4.9751	29.722	-61.593	-31.871	
		2670.000	6.9592	30.315	-61.243	-30.928	
	50	2521.020	5.1945	30.315	-61.286	-30.971	
		2525.010	4.9552	29.722	-61.870	-32.148	
		2592.990	3.8086	29.722	-61.060	-31.338	
		2664.990	2.7319	29.722	-60.376	-30.654	
	60	2526.000	4.0280	29.722	-60.588	-30.866	
		2530.020	4.0778	29.722	-61.971	-32.249	
		2592.990	3.7588	29.722	-60.847	-31.125	
		2659.980	2.7418	29.722	-59.843	-30.121	
	70	2531.010	3.7388	29.722	-60.500	-30.778	
		2535.000	5.1945	29.722	-61.424	-31.702	
		2592.990	4.0679	29.722	-61.563	-31.841	
		2655.000	9.8903	30.315	-61.513	-31.198	
	80	2536.020	4.0878	29.722	-61.452	-31.730	
		2540.010	4.0479	29.722	-62.146	-32.424	
		2592.990	7.1984	30.315	-61.578	-31.263	
		2649.990	3.7787	29.722	-61.336	-31.614	
	90	2541.000	4.9452	29.722	-61.821	-32.099	
		2545.020	4.0579	29.722	-60.843	-31.121	
		2592.990	2.7219	29.722	-62.048	-32.326	
		2644.980	3.8086	29.722	-61.817	-32.095	
	100	2546.010	4.9053	29.722	-61.408	-31.686	
		2550.000	4.8655	29.722	-61.638	-31.916	
		2592.990	2.7418	29.722	-59.046	-29.324	
		2640.000	7.1885	30.315	-61.817	-31.502	

Note:

1. Plots of the EUT's Conducted Spurious Emissions are shown Page 590 ~ 685.
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	-20.65	-20.77	-22.78	-22.75	-27.47	-25.40	-36.43
15 MHz	2503.500	BPSK	Full RB	-21.56	-27.08	-24.96	-27.31	-30.00	-27.24	-38.37
20 MHz	2506.020	BPSK	Full RB	-23.54	-25.46	-25.47	-22.20	-29.34	-26.81	-37.10
25 MHz	2508.510	BPSK	Full RB	-22.10	-25.37	-26.25	-26.43	-30.64	-26.79	-39.06
30 MHz	2511.000	BPSK	Full RB	-23.68	-27.98	-29.52	-27.02	-31.13	-25.84	-39.55
40 MHz	2516.010	BPSK	Full RB	-23.94	-29.50	-30.51	-28.93	-33.51	-27.86	-40.29
50 MHz	2521.020	BPSK	Full RB	-21.05	-27.51	-26.56	-28.77	-32.86	-28.27	-38.44
60 MHz	2526.000	BPSK	Full RB	-15.92	-17.00	-24.66	-23.73	-31.78	-28.34	-40.48
70 MHz	2531.010	BPSK	Full RB	-21.18	-27.60	-25.36	-27.88	-31.44	-27.22	-41.22
80 MHz	2536.020	BPSK	Full RB	-20.86	-23.36	-25.51	-25.77	-31.80	-28.89	-42.74
90 MHz	2541.000	BPSK	Full RB	-20.28	-25.30	-26.88	-27.28	-30.69	-28.64	-36.29
100 MHz	2546.010	BPSK	Full RB	-19.12	-28.05	-26.43	-29.70	-31.31	-29.63	-42.09
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	-21.83	-21.03	-27.29	-22.56	-36.40	-26.14	-35.85
15 MHz	2507.520	BPSK	Full RB	-21.27	-25.77	-27.77	-23.00	-31.30	-25.43	-37.00
20 MHz	2510.010	BPSK	Full RB	-23.09	-25.53	-29.45	-23.10	-32.63	-26.82	-36.60
25 MHz	2512.500	BPSK	Full RB	-22.39	-25.53	-30.04	-26.64	-30.81	-26.87	-38.91
30 MHz	2515.020	BPSK	Full RB	-24.14	-28.04	-27.36	-23.17	-30.88	-26.91	-36.99
40 MHz	2520.000	BPSK	Full RB	-23.24	-28.89	-32.13	-28.86	-32.71	-27.80	-39.31
50 MHz	2525.010	BPSK	Full RB	-20.76	-26.90	-32.26	-28.15	-33.50	-28.38	-38.95
60 MHz	2530.020	BPSK	Full RB	-15.92	-16.81	-30.35	-23.90	-33.11	-28.19	-40.15
70 MHz	2535.000	BPSK	Full RB	-19.80	-28.63	-30.96	-29.80	-33.11	-28.73	-42.49
80 MHz	2540.010	BPSK	Full RB	-20.57	-23.85	-30.40	-26.88	-32.09	-28.49	-42.57
90 MHz	2545.020	BPSK	Full RB	-19.71	-25.53	-30.65	-27.40	-32.25	-29.53	-40.25
100 MHz	2550.000	BPSK	Full RB	-19.23	-27.14	-31.18	-29.20	-32.32	-29.11	-44.46
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	-19.98	-19.52	-23.89	-23.45
	2685.000	BPSK	Full RB	0	-20.40	-20.73	-24.44	-23.18
15 MHz	2592.990	BPSK	Full RB	0	-20.60	-28.67	-25.57	-25.70
	2682.480	BPSK	Full RB	0	-21.58	-28.04	-25.73	-24.40
20 MHz	2592.990	BPSK	Full RB	0	-22.91	-26.00	-27.56	-25.92
	2679.990	BPSK	Full RB	0	-23.00	-25.70	-26.03	-25.64
25 MHz	2592.990	BPSK	Full RB	0	-22.05	-25.19	-27.57	-26.97
	2677.500	BPSK	Full RB	0	-21.93	-23.99	-24.53	-23.91
30 MHz	2592.990	BPSK	Full RB	0	-23.10	-28.20	-28.41	-28.27
	2679.990	BPSK	Full RB	0	-22.28	-26.81	-25.70	-26.46
40 MHz	2592.990	BPSK	Full RB	0	-22.55	-28.37	-28.69	-27.68
	2670.000	BPSK	Full RB	0	-22.30	-26.12	-26.98	-24.99
50 MHz	2592.990	BPSK	Full RB	0	-20.28	-27.14	-26.48	-28.51
	2664.990	BPSK	Full RB	0	-20.20	-24.74	-25.67	-26.14
60 MHz	2592.990	BPSK	Full RB	0	-15.42	-16.73	-24.08	-23.31
	2659.980	BPSK	Full RB	0	-15.38	-17.20	-23.31	-23.07
70 MHz	2592.990	BPSK	Full RB	0	-18.96	-28.00	-23.32	-28.87
	2655.000	BPSK	Full RB	0	-19.84	-26.26	-24.47	-26.36
80 MHz	2592.990	BPSK	Full RB	0	-20.35	-23.03	-25.10	-25.68
	2649.990	BPSK	Full RB	0	-19.86	-22.86	-25.58	-25.79
90 MHz	2592.990	BPSK	Full RB	0	-19.64	-24.97	-25.20	-27.02
	2644.980	BPSK	Full RB	0	-19.56	-25.43	-25.24	-27.15
100 MHz	2592.990	BPSK	Full RB	0	-18.53	-26.18	-25.09	-27.83
	2640.000	BPSK	Full RB	0	-18.52	-25.48	-24.96	-26.48
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	-30.14	-27.95	-38.52	-36.96
	2685.000	BPSK	Full RB	0	-29.63	-28.75	-38.25	-37.42
15 MHz	2592.990	BPSK	Full RB	0	-28.03	-26.09	-38.89	-37.70
	2682.480	BPSK	Full RB	0	-26.90	-24.42	-35.71	-37.19
20 MHz	2592.990	BPSK	Full RB	0	-28.89	-25.49	-36.83	-36.38
	2679.990	BPSK	Full RB	0	-28.42	-24.84	-41.18	-39.17
25 MHz	2592.990	BPSK	Full RB	0	-29.18	-25.55	-40.70	-38.19
	2677.500	BPSK	Full RB	0	-28.50	-25.63	-40.93	-41.35
30 MHz	2592.990	BPSK	Full RB	0	-28.90	-25.80	-40.57	-39.10
	2679.990	BPSK	Full RB	0	-28.53	-25.49	-41.81	-43.50
40 MHz	2592.990	BPSK	Full RB	0	-28.60	-26.11	-40.28	-38.73
	2670.000	BPSK	Full RB	0	-27.83	-26.06	-38.24	-39.64
50 MHz	2592.990	BPSK	Full RB	0	-28.68	-26.62	-39.85	-39.53
	2664.990	BPSK	Full RB	0	-30.12	-27.51	-39.95	-44.52
60 MHz	2592.990	BPSK	Full RB	0	-28.63	-27.32	-37.68	-37.56
	2659.980	BPSK	Full RB	0	-30.02	-29.01	-40.92	-47.69
70 MHz	2592.990	BPSK	Full RB	0	-28.23	-27.68	-37.91	-37.99
	2655.000	BPSK	Full RB	0	-29.75	-27.89	-40.64	-52.67
80 MHz	2592.990	BPSK	Full RB	0	-27.75	-27.80	-44.05	-43.87
	2649.990	BPSK	Full RB	0	-29.66	-28.28	-40.79	-52.90
90 MHz	2592.990	BPSK	Full RB	0	-28.11	-28.80	-53.22	-38.62
	2644.980	BPSK	Full RB	0	-30.00	-29.43	-40.75	-53.01
100 MHz	2592.990	BPSK	Full RB	0	-28.51	-29.14	-53.18	-46.97
	2640.000	BPSK	Full RB	0	-28.21	-28.42	-42.51	-52.92
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 686 ~ 817. (1RB & Full RB)

9.7 FREQUENCY STABILITY / VARIATION OF AMBIENT TEMPERATURE

BandWidth:	10 MHz
Voltage(100 %):	3.900 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 009 999	0.0	0.000 000	0.000
	100 %	-30	2501 009 996	-2.3	0.000 000	-0.001
	100 %	-20	2501 009 993	-5.9	0.000 000	-0.002
	100 %	-10	2501 009 997	-1.8	0.000 000	-0.001
	100 %	0	2501 009 999	-0.1	0.000 000	0.000
	100 %	+10	2501 009 996	-3.0	0.000 000	-0.001
	100 %	+30	2501 009 997	-2.1	0.000 000	-0.001
	100 %	+40	2501 009 995	-3.9	0.000 000	-0.002
	100 %	+50	2501 009 998	-1.1	0.000 000	0.000
	Batt. Endpoint	+20	2501 009 996	-2.9	0.000 000	-0.001
2505.000	100 %	+20(Ref)	2504 999 999	0.0	0.000 000	0.000
	100 %	-30	2504 999 999	-0.4	0.000 000	0.000
	100 %	-20	2504 999 998	-0.9	0.000 000	0.000
	100 %	-10	2504 999 999	0.0	0.000 000	0.000
	100 %	0	2504 999 999	-0.3	0.000 000	0.000
	100 %	+10	2504 999 998	-1.4	0.000 000	-0.001
	100 %	+30	2504 999 998	-1.4	0.000 000	-0.001
	100 %	+40	2504 999 997	-1.7	0.000 000	-0.001
	100 %	+50	2504 999 999	-0.1	0.000 000	0.000
	Batt. Endpoint	+20	2504 999 998	-1.6	0.000 000	-0.001
2685.000	100 %	+20(Ref)	2685 000 001	0.0	0.000 000	0.000
	100 %	-30	2685 000 000	-0.2	0.000 000	0.000
	100 %	-20	2685 000 000	-0.3	0.000 000	0.000
	100 %	-10	2685 000 001	0.2	0.000 000	0.000
	100 %	0	2685 000 003	2.4	0.000 000	0.001
	100 %	+10	2685 000 001	0.0	0.000 000	0.000
	100 %	+30	2684 999 998	-2.1	0.000 000	-0.001
	100 %	+40	2684 999 999	-1.5	0.000 000	-0.001
	100 %	+50	2685 000 002	1.4	0.000 000	0.001
	Batt. Endpoint	+20	2685 000 002	1.1	0.000 000	0.000

- ▣ BandWidth: 15 MHz
- ▣ Voltage(100 %): 3.900 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 499 998	0.0	0.000 000	0.000
	100 %	-30	2503 499 995	-2.3	0.000 000	-0.001
	100 %	-20	2503 499 995	-2.2	0.000 000	-0.001
	100 %	-10	2503 499 996	-1.6	0.000 000	-0.001
	100 %	0	2503 499 996	-2.0	0.000 000	-0.001
	100 %	+10	2503 499 994	-3.5	0.000 000	-0.001
	100 %	+30	2503 499 995	-2.6	0.000 000	-0.001
	100 %	+40	2503 499 995	-2.9	0.000 000	-0.001
	100 %	+50	2503 499 995	-2.7	0.000 000	-0.001
	Batt. Endpoint	+20	2503 499 995	-2.3	0.000 000	-0.001
2507.520	100 %	+20(Ref)	2507 519 999	0.0	0.000 000	0.000
	100 %	-30	2507 519 996	-2.7	0.000 000	-0.001
	100 %	-20	2507 519 997	-1.8	0.000 000	-0.001
	100 %	-10	2507 520 000	1.0	0.000 000	0.000
	100 %	0	2507 519 999	0.0	0.000 000	0.000
	100 %	+10	2507 519 996	-3.0	0.000 000	-0.001
	100 %	+30	2507 519 998	-0.9	0.000 000	0.000
	100 %	+40	2507 519 995	-3.8	0.000 000	-0.002
	100 %	+50	2507 519 998	-1.1	0.000 000	0.000
	Batt. Endpoint	+20	2507 519 998	-1.1	0.000 000	0.000
2682.480	100 %	+20(Ref)	2682 480 001	0.0	0.000 000	0.000
	100 %	-30	2682 480 000	-1.9	0.000 000	-0.001
	100 %	-20	2682 480 003	1.1	0.000 000	0.000
	100 %	-10	2682 480 001	-0.8	0.000 000	0.000
	100 %	0	2682 480 000	-1.0	0.000 000	0.000
	100 %	+10	2682 480 001	-0.9	0.000 000	0.000
	100 %	+30	2682 480 000	-1.0	0.000 000	0.000
	100 %	+40	2682 479 999	-2.1	0.000 000	-0.001
	100 %	+50	2682 480 001	-0.6	0.000 000	0.000
	Batt. Endpoint	+20	2682 480 001	-0.8	0.000 000	0.000

☐ BandWidth: 20 MHz
☐ Voltage(100 %): 3.900 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 019 995	-2.1	0.000 000	-0.001
	100 %	-20	2506 019 996	-0.6	0.000 000	0.000
	100 %	-10	2506 019 994	-2.8	0.000 000	-0.001
	100 %	0	2506 019 995	-1.3	0.000 000	-0.001
	100 %	+10	2506 019 996	-1.2	0.000 000	0.000
	100 %	+30	2506 019 996	-0.5	0.000 000	0.000
	100 %	+40	2506 019 996	-0.3	0.000 000	0.000
	100 %	+50	2506 019 996	-0.8	0.000 000	0.000
	Batt. Endpoint	+20	2506 019 994	-3.0	0.000 000	-0.001
2510.010	100 %	+20(Ref)	2510 009 997	0.0	0.000 000	0.000
	100 %	-30	2510 009 998	0.4	0.000 000	0.000
	100 %	-20	2510 009 996	-1.7	0.000 000	-0.001
	100 %	-10	2510 009 997	-0.5	0.000 000	0.000
	100 %	0	2510 009 997	-0.8	0.000 000	0.000
	100 %	+10	2510 009 999	1.5	0.000 000	0.001
	100 %	+30	2510 009 997	-0.4	0.000 000	0.000
	100 %	+40	2510 009 996	-1.1	0.000 000	0.000
	100 %	+50	2510 009 996	-1.4	0.000 000	-0.001
	Batt. Endpoint	+20	2510 009 999	1.3	0.000 000	0.001
2679.990	100 %	+20(Ref)	2679 990 002	0.0	0.000 000	0.000
	100 %	-30	2679 990 000	-1.5	0.000 000	-0.001
	100 %	-20	2679 990 001	-0.7	0.000 000	0.000
	100 %	-10	2679 990 003	0.9	0.000 000	0.000
	100 %	0	2679 990 001	-0.2	0.000 000	0.000
	100 %	+10	2679 990 003	1.3	0.000 000	0.000
	100 %	+30	2679 990 001	-0.2	0.000 000	0.000
	100 %	+40	2679 990 001	-0.4	0.000 000	0.000
	100 %	+50	2679 990 000	-1.2	0.000 000	0.000
	Batt. Endpoint	+20	2679 990 001	-0.4	0.000 000	0.000

- ▣ BandWidth: 25 MHz
- ▣ Voltage(100 %): 3.900 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	-3.3	0.000 000	-0.001
	100 %	-20	2508 509 995	-3.5	0.000 000	-0.001
	100 %	-10	2508 509 995	-3.1	0.000 000	-0.001
	100 %	0	2508 509 996	-1.9	0.000 000	-0.001
	100 %	+10	2508 509 993	-5.6	0.000 000	-0.002
	100 %	+30	2508 509 995	-3.6	0.000 000	-0.001
	100 %	+40	2508 509 994	-4.3	0.000 000	-0.002
	100 %	+50	2508 509 996	-2.4	0.000 000	-0.001
	Batt. Endpoint	+20	2508 509 997	-1.7	0.000 000	-0.001
2512.500	100 %	+20(Ref)	2512 500 001	0.0	0.000 000	0.000
	100 %	-30	2512 500 002	1.1	0.000 000	0.000
	100 %	-20	2512 500 001	0.3	0.000 000	0.000
	100 %	-10	2512 500 000	-0.2	0.000 000	0.000
	100 %	0	2512 499 999	-1.5	0.000 000	-0.001
	100 %	+10	2512 499 999	-1.9	0.000 000	-0.001
	100 %	+30	2512 499 999	-1.3	0.000 000	-0.001
	100 %	+40	2512 500 001	0.1	0.000 000	0.000
	100 %	+50	2512 500 001	0.4	0.000 000	0.000
	Batt. Endpoint	+20	2512 500 000	-0.8	0.000 000	0.000
2677.500	100 %	+20(Ref)	2677 500 000	0.0	0.000 000	0.000
	100 %	-30	2677 499 998	-2.0	0.000 000	-0.001
	100 %	-20	2677 499 998	-1.7	0.000 000	-0.001
	100 %	-10	2677 499 997	-2.3	0.000 000	-0.001
	100 %	0	2677 499 999	-0.1	0.000 000	0.000
	100 %	+10	2677 500 000	0.4	0.000 000	0.000
	100 %	+30	2677 500 000	0.1	0.000 000	0.000
	100 %	+40	2677 499 999	-0.5	0.000 000	0.000
	100 %	+50	2677 499 998	-1.1	0.000 000	0.000
	Batt. Endpoint	+20	2677 499 999	-1.0	0.000 000	0.000

- ▣ BandWidth: 30 MHz
- ▣ Voltage(100 %): 3.900 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 999 997	0.0	0.000 000	0.000
	100 %	-30	2510 999 995	-2.5	0.000 000	-0.001
	100 %	-20	2510 999 994	-2.7	0.000 000	-0.001
	100 %	-10	2510 999 996	-1.2	0.000 000	0.000
	100 %	0	2510 999 996	-1.3	0.000 000	-0.001
	100 %	+10	2510 999 997	-0.5	0.000 000	0.000
	100 %	+30	2510 999 996	-1.1	0.000 000	0.000
	100 %	+40	2510 999 996	-0.7	0.000 000	0.000
	100 %	+50	2510 999 994	-3.0	0.000 000	-0.001
	Batt. Endpoint	+20	2510 999 994	-2.8	0.000 000	-0.001
2515.020	100 %	+20(Ref)	2515 019 998	0.0	0.000 000	0.000
	100 %	-30	2515 019 997	-0.6	0.000 000	0.000
	100 %	-20	2515 019 996	-1.7	0.000 000	-0.001
	100 %	-10	2515 019 997	-0.9	0.000 000	0.000
	100 %	0	2515 019 995	-2.3	0.000 000	-0.001
	100 %	+10	2515 019 998	0.1	0.000 000	0.000
	100 %	+30	2515 019 996	-1.2	0.000 000	0.000
	100 %	+40	2515 019 995	-2.1	0.000 000	-0.001
	100 %	+50	2515 019 995	-2.2	0.000 000	-0.001
	Batt. Endpoint	+20	2515 019 994	-3.6	0.000 000	-0.001
2674.980	100 %	+20(Ref)	2674 979 998	0.0	0.000 000	0.000
	100 %	-30	2674 979 994	-3.6	0.000 000	-0.001
	100 %	-20	2674 979 997	-0.7	0.000 000	0.000
	100 %	-10	2674 979 996	-1.8	0.000 000	-0.001
	100 %	0	2674 979 997	-1.2	0.000 000	0.000
	100 %	+10	2674 979 995	-2.9	0.000 000	-0.001
	100 %	+30	2674 979 997	-1.0	0.000 000	0.000
	100 %	+40	2674 979 995	-3.1	0.000 000	-0.001
	100 %	+50	2674 979 995	-2.9	0.000 000	-0.001
	Batt. Endpoint	+20	2674 979 995	-3.2	0.000 000	-0.001

- ▣ BandWidth: 40 MHz
- ▣ Voltage(100 %): 3.900 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 009 998	0.0	0.000 000	0.000
	100 %	-30	2516 009 993	-4.2	0.000 000	-0.002
	100 %	-20	2516 009 994	-3.3	0.000 000	-0.001
	100 %	-10	2516 009 995	-2.9	0.000 000	-0.001
	100 %	0	2516 009 995	-2.8	0.000 000	-0.001
	100 %	+10	2516 009 996	-1.7	0.000 000	-0.001
	100 %	+30	2516 009 995	-2.7	0.000 000	-0.001
	100 %	+40	2516 009 996	-1.5	0.000 000	-0.001
	100 %	+50	2516 009 996	-1.4	0.000 000	-0.001
	Batt. Endpoint	+20	2516 009 997	-1.0	0.000 000	0.000
2520.000	100 %	+20(Ref)	2519 999 997	0.0	0.000 000	0.000
	100 %	-30	2519 999 994	-2.8	0.000 000	-0.001
	100 %	-20	2519 999 995	-2.2	0.000 000	-0.001
	100 %	-10	2519 999 996	-1.0	0.000 000	0.000
	100 %	0	2519 999 991	-5.8	0.000 000	-0.002
	100 %	+10	2519 999 995	-1.6	0.000 000	-0.001
	100 %	+30	2519 999 995	-2.1	0.000 000	-0.001
	100 %	+40	2519 999 996	-0.2	0.000 000	0.000
	100 %	+50	2519 999 993	-3.8	0.000 000	-0.002
	Batt. Endpoint	+20	2519 999 995	-2.2	0.000 000	-0.001
2670.000	100 %	+20(Ref)	2670 000 001	0.0	0.000 000	0.000
	100 %	-30	2670 000 002	0.3	0.000 000	0.000
	100 %	-20	2670 000 001	0.1	0.000 000	0.000
	100 %	-10	2670 000 001	-0.2	0.000 000	0.000
	100 %	0	2670 000 001	-0.5	0.000 000	0.000
	100 %	+10	2670 000 000	-1.6	0.000 000	-0.001
	100 %	+30	2670 000 000	-1.4	0.000 000	-0.001
	100 %	+40	2670 000 000	-1.1	0.000 000	0.000
	100 %	+50	2670 000 000	-0.9	0.000 000	0.000
	Batt. Endpoint	+20	2669 999 999	-1.9	0.000 000	-0.001

- ▣ BandWidth: 50 MHz
- ▣ Voltage(100 %): 3.900 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 019 995	-1.0	0.000 000	0.000
	100 %	-20	2521 019 997	0.3	0.000 000	0.000
	100 %	-10	2521 019 996	-0.7	0.000 000	0.000
	100 %	0	2521 019 994	-2.3	0.000 000	-0.001
	100 %	+10	2521 019 996	-0.2	0.000 000	0.000
	100 %	+30	2521 019 995	-1.9	0.000 000	-0.001
	100 %	+40	2521 019 995	-1.9	0.000 000	-0.001
	100 %	+50	2521 019 995	-1.8	0.000 000	-0.001
	Batt. Endpoint	+20	2521 019 994	-2.6	0.000 000	-0.001
2525.010	100 %	+20(Ref)	2525 009 997	0.0	0.000 000	0.000
	100 %	-30	2525 009 995	-1.8	0.000 000	-0.001
	100 %	-20	2525 009 995	-1.9	0.000 000	-0.001
	100 %	-10	2525 009 994	-2.7	0.000 000	-0.001
	100 %	0	2525 009 994	-3.1	0.000 000	-0.001
	100 %	+10	2525 009 997	-0.4	0.000 000	0.000
	100 %	+30	2525 009 995	-1.7	0.000 000	-0.001
	100 %	+40	2525 009 994	-2.9	0.000 000	-0.001
	100 %	+50	2525 009 997	-0.2	0.000 000	0.000
	Batt. Endpoint	+20	2525 009 994	-3.2	0.000 000	-0.001
2664.990	100 %	+20(Ref)	2664 990 000	0.0	0.000 000	0.000
	100 %	-30	2664 989 999	-1.0	0.000 000	0.000
	100 %	-20	2664 990 000	0.0	0.000 000	0.000
	100 %	-10	2664 990 002	2.1	0.000 000	0.001
	100 %	0	2664 990 000	-0.1	0.000 000	0.000
	100 %	+10	2664 990 000	0.2	0.000 000	0.000
	100 %	+30	2664 990 001	0.5	0.000 000	0.000
	100 %	+40	2664 990 003	2.7	0.000 000	0.001
	100 %	+50	2664 989 999	-1.1	0.000 000	0.000
	Batt. Endpoint	+20	2664 989 999	-1.6	0.000 000	-0.001

- ▣ BandWidth: 60 MHz
- ▣ Voltage(100 %): 3.900 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 999 998	0.0	0.000 000	0.000
	100 %	-30	2525 999 995	-3.2	0.000 000	-0.001
	100 %	-20	2525 999 996	-2.3	0.000 000	-0.001
	100 %	-10	2525 999 996	-2.1	0.000 000	-0.001
	100 %	0	2525 999 995	-3.1	0.000 000	-0.001
	100 %	+10	2525 999 996	-2.2	0.000 000	-0.001
	100 %	+30	2525 999 993	-5.2	0.000 000	-0.002
	100 %	+40	2525 999 994	-3.3	0.000 000	-0.001
	100 %	+50	2525 999 996	-1.6	0.000 000	-0.001
	Batt. Endpoint	+20	2525 999 994	-3.9	0.000 000	-0.002
2530.020	100 %	+20(Ref)	2530 019 998	0.0	0.000 000	0.000
	100 %	-30	2530 019 995	-2.4	0.000 000	-0.001
	100 %	-20	2530 020 000	1.9	0.000 000	0.001
	100 %	-10	2530 019 997	-0.6	0.000 000	0.000
	100 %	0	2530 019 995	-2.5	0.000 000	-0.001
	100 %	+10	2530 019 996	-1.9	0.000 000	-0.001
	100 %	+30	2530 019 996	-1.3	0.000 000	-0.001
	100 %	+40	2530 019 994	-3.4	0.000 000	-0.001
	100 %	+50	2530 019 997	-1.0	0.000 000	0.000
	Batt. Endpoint	+20	2530 019 997	-1.1	0.000 000	0.000
2659.980	100 %	+20(Ref)	2659 979 997	0.0	0.000 000	0.000
	100 %	-30	2659 979 995	-1.8	0.000 000	-0.001
	100 %	-20	2659 979 997	0.5	0.000 000	0.000
	100 %	-10	2659 979 997	0.6	0.000 000	0.000
	100 %	0	2659 979 998	0.9	0.000 000	0.000
	100 %	+10	2659 979 993	-3.5	0.000 000	-0.001
	100 %	+30	2659 979 998	0.7	0.000 000	0.000
	100 %	+40	2659 979 996	-0.5	0.000 000	0.000
	100 %	+50	2659 979 995	-1.9	0.000 000	-0.001
	Batt. Endpoint	+20	2659 979 995	-1.4	0.000 000	-0.001

- ▣ BandWidth: 70 MHz
- ▣ Voltage(100 %): 3.900 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 009 995	-4.0	0.000 000	-0.002
	100 %	-20	2531 009 996	-2.3	0.000 000	-0.001
	100 %	-10	2531 009 996	-3.0	0.000 000	-0.001
	100 %	0	2531 009 997	-1.6	0.000 000	-0.001
	100 %	+10	2531 009 997	-1.5	0.000 000	-0.001
	100 %	+30	2531 009 995	-3.4	0.000 000	-0.001
	100 %	+40	2531 009 994	-4.3	0.000 000	-0.002
	100 %	+50	2531 009 996	-2.3	0.000 000	-0.001
	Batt. Endpoint	+20	2531 009 996	-2.6	0.000 000	-0.001
2535.000	100 %	+20(Ref)	2534 999 998	0.0	0.000 000	0.000
	100 %	-30	2534 999 994	-3.9	0.000 000	-0.002
	100 %	-20	2534 999 994	-3.9	0.000 000	-0.002
	100 %	-10	2534 999 997	-1.5	0.000 000	-0.001
	100 %	0	2534 999 995	-2.8	0.000 000	-0.001
	100 %	+10	2534 999 995	-3.6	0.000 000	-0.001
	100 %	+30	2534 999 996	-1.6	0.000 000	-0.001
	100 %	+40	2534 999 996	-2.2	0.000 000	-0.001
	100 %	+50	2534 999 995	-3.2	0.000 000	-0.001
	Batt. Endpoint	+20	2534 999 996	-1.9	0.000 000	-0.001
2655.000	100 %	+20(Ref)	2655 000 001	0.0	0.000 000	0.000
	100 %	-30	2655 000 003	1.8	0.000 000	0.001
	100 %	-20	2655 000 001	-0.5	0.000 000	0.000
	100 %	-10	2655 000 003	1.7	0.000 000	0.001
	100 %	0	2655 000 002	0.9	0.000 000	0.000
	100 %	+10	2655 000 003	1.9	0.000 000	0.001
	100 %	+30	2655 000 002	0.6	0.000 000	0.000
	100 %	+40	2655 000 003	1.6	0.000 000	0.001
	100 %	+50	2654 999 999	-1.7	0.000 000	-0.001
	Batt. Endpoint	+20	2655 000 001	-0.1	0.000 000	0.000

- ▣ BandWidth: 80 MHz
- ▣ Voltage(100 %): 3.900 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 020 001	0.0	0.000 000	0.000
	100 %	-30	2536 019 999	-1.4	0.000 000	-0.001
	100 %	-20	2536 019 999	-1.9	0.000 000	-0.001
	100 %	-10	2536 019 997	-3.4	0.000 000	-0.001
	100 %	0	2536 019 999	-1.3	0.000 000	-0.001
	100 %	+10	2536 019 999	-2.0	0.000 000	-0.001
	100 %	+30	2536 020 001	0.6	0.000 000	0.000
	100 %	+40	2536 020 000	-0.2	0.000 000	0.000
	100 %	+50	2536 019 999	-1.2	0.000 000	0.000
	Batt. Endpoint	+20	2536 020 000	-0.9	0.000 000	0.000
2540.010	100 %	+20(Ref)	2540 009 998	0.0	0.000 000	0.000
	100 %	-30	2540 009 997	-1.3	0.000 000	0.000
	100 %	-20	2540 009 997	-1.2	0.000 000	0.000
	100 %	-10	2540 009 997	-1.4	0.000 000	-0.001
	100 %	0	2540 009 996	-2.5	0.000 000	-0.001
	100 %	+10	2540 009 995	-2.7	0.000 000	-0.001
	100 %	+30	2540 009 998	-0.2	0.000 000	0.000
	100 %	+40	2540 009 996	-1.7	0.000 000	-0.001
	100 %	+50	2540 009 998	0.0	0.000 000	0.000
	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 990 000	1.4	0.000 000	0.001
	100 %	-20	2649 989 998	0.0	0.000 000	0.000
	100 %	-10	2649 989 998	0.0	0.000 000	0.000
	100 %	0	2649 989 998	-0.1	0.000 000	0.000
	100 %	+10	2649 989 999	1.3	0.000 000	0.000
	100 %	+30	2649 989 998	-0.2	0.000 000	0.000
	100 %	+40	2649 989 997	-0.7	0.000 000	0.000
	100 %	+50	2649 989 997	-1.1	0.000 000	0.000
	Batt. Endpoint	+20	2649 989 997	-1.4	0.000 000	-0.001

- ▣ BandWidth: 90 MHz
- ▣ Voltage(100 %): 3.900 VDC
- ▣ Batt. Endpoint: 3.300 VDC
- ▣ LIMIT: Emission must remain in band

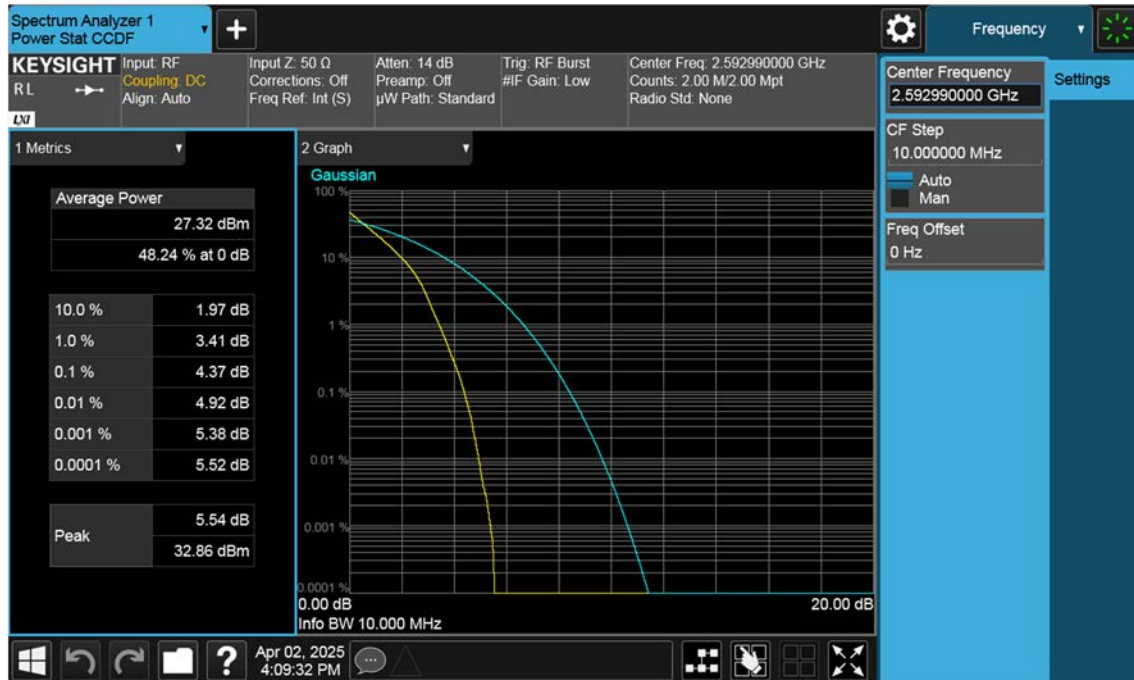
Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2541.000	100 %	+20(Ref)	2540 999 997	0.0	0.000 000	0.000
	100 %	-30	2540 999 994	-2.7	0.000 000	-0.001
	100 %	-20	2540 999 994	-2.7	0.000 000	-0.001
	100 %	-10	2540 999 993	-4.5	0.000 000	-0.002
	100 %	0	2540 999 994	-3.0	0.000 000	-0.001
	100 %	+10	2540 999 995	-1.6	0.000 000	-0.001
	100 %	+30	2540 999 993	-4.0	0.000 000	-0.002
	100 %	+40	2540 999 997	-0.4	0.000 000	0.000
	100 %	+50	2540 999 997	-0.5	0.000 000	0.000
	Batt. Endpoint	+20	2540 999 992	-4.6	0.000 000	-0.002
2545.020	100 %	+20(Ref)	2545 020 000	0.0	0.000 000	0.000
	100 %	-30	2545 019 997	-2.8	0.000 000	-0.001
	100 %	-20	2545 019 997	-2.8	0.000 000	-0.001
	100 %	-10	2545 019 999	-0.9	0.000 000	0.000
	100 %	0	2545 019 999	-0.9	0.000 000	0.000
	100 %	+10	2545 019 998	-1.2	0.000 000	0.000
	100 %	+30	2545 019 999	-0.1	0.000 000	0.000
	100 %	+40	2545 020 000	0.2	0.000 000	0.000
	100 %	+50	2545 019 996	-3.2	0.000 000	-0.001
	Batt. Endpoint	+20	2545 019 998	-1.7	0.000 000	-0.001
2644.980	100 %	+20(Ref)	2644 980 002	0.0	0.000 000	0.000
	100 %	-30	2644 980 004	2.1	0.000 000	0.001
	100 %	-20	2644 980 003	0.9	0.000 000	0.000
	100 %	-10	2644 980 002	-0.2	0.000 000	0.000
	100 %	0	2644 980 001	-0.9	0.000 000	0.000
	100 %	+10	2644 980 002	-0.2	0.000 000	0.000
	100 %	+30	2644 980 001	-1.2	0.000 000	0.000
	100 %	+40	2644 980 003	0.4	0.000 000	0.000
	100 %	+50	2644 980 001	-1.6	0.000 000	-0.001
	Batt. Endpoint	+20	2644 980 003	1.2	0.000 000	0.000

☐ BandWidth: 100 MHz
☐ Voltage(100 %): 3.900 VDC
☐ Batt. Endpoint: 3.300 VDC
☐ LIMIT: Emission must remain in band

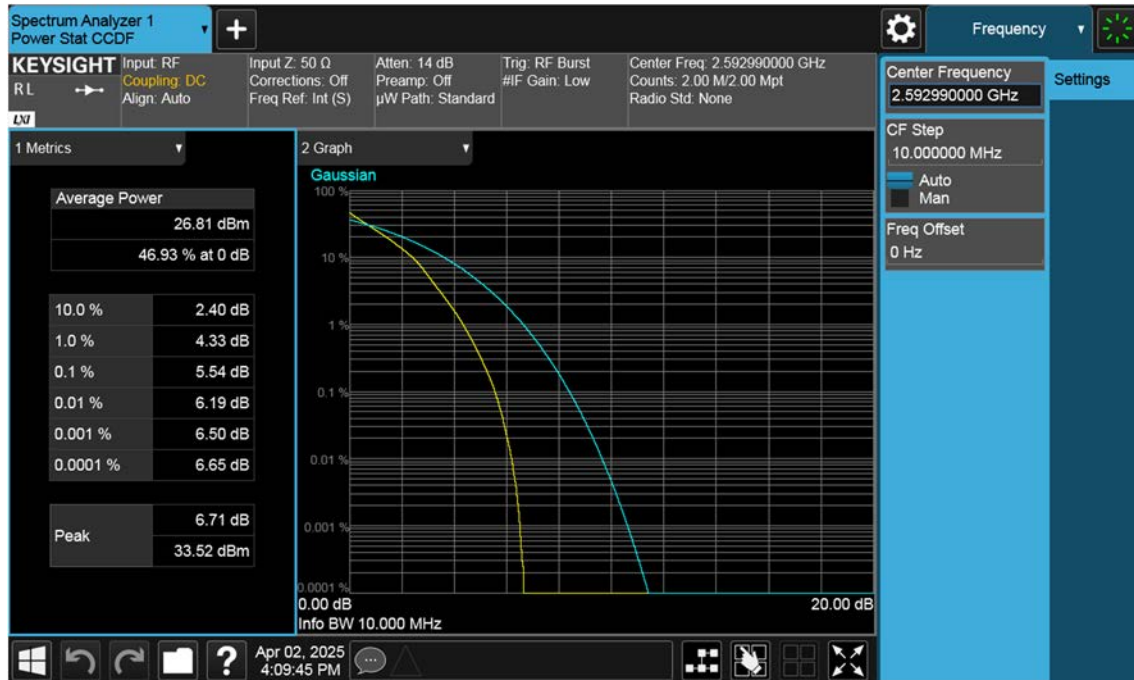
Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2546.010	100 %	+20(Ref)	2546 009 997	0.0	0.000 000	0.000
	100 %	-30	2546 009 994	-3.6	0.000 000	-0.001
	100 %	-20	2546 009 996	-1.2	0.000 000	0.000
	100 %	-10	2546 009 997	-0.6	0.000 000	0.000
	100 %	0	2546 009 994	-3.4	0.000 000	-0.001
	100 %	+10	2546 009 995	-2.9	0.000 000	-0.001
	100 %	+30	2546 009 995	-2.3	0.000 000	-0.001
	100 %	+40	2546 009 995	-2.9	0.000 000	-0.001
	100 %	+50	2546 009 994	-3.1	0.000 000	-0.001
	Batt. Endpoint	+20	2546 009 994	-3.7	0.000 000	-0.001
2550.000	100 %	+20(Ref)	2550 000 001	0.0	0.000 000	0.000
	100 %	-30	2550 000 000	-1.2	0.000 000	0.000
	100 %	-20	2550 000 001	-0.5	0.000 000	0.000
	100 %	-10	2550 000 000	-0.8	0.000 000	0.000
	100 %	0	2550 000 002	0.8	0.000 000	0.000
	100 %	+10	2550 000 000	-1.0	0.000 000	0.000
	100 %	+30	2550 000 005	3.6	0.000 000	0.001
	100 %	+40	2550 000 001	0.0	0.000 000	0.000
	100 %	+50	2550 000 002	0.9	0.000 000	0.000
	Batt. Endpoint	+20	2550 000 003	1.7	0.000 000	0.001
2640.000	100 %	+20(Ref)	2639 999 998	0.0	0.000 000	0.000
	100 %	-30	2639 999 997	-1.1	0.000 000	0.000
	100 %	-20	2639 999 998	-0.4	0.000 000	0.000
	100 %	-10	2639 999 999	1.0	0.000 000	0.000
	100 %	0	2639 999 997	-1.0	0.000 000	0.000
	100 %	+10	2639 999 998	0.3	0.000 000	0.000
	100 %	+30	2639 999 998	-0.1	0.000 000	0.000
	100 %	+40	2639 999 997	-1.2	0.000 000	0.000
	100 %	+50	2639 999 998	-0.2	0.000 000	0.000
	Batt. Endpoint	+20	2639 999 997	-0.9	0.000 000	0.000

10. TEST PLOTS(Main 2 ANT)

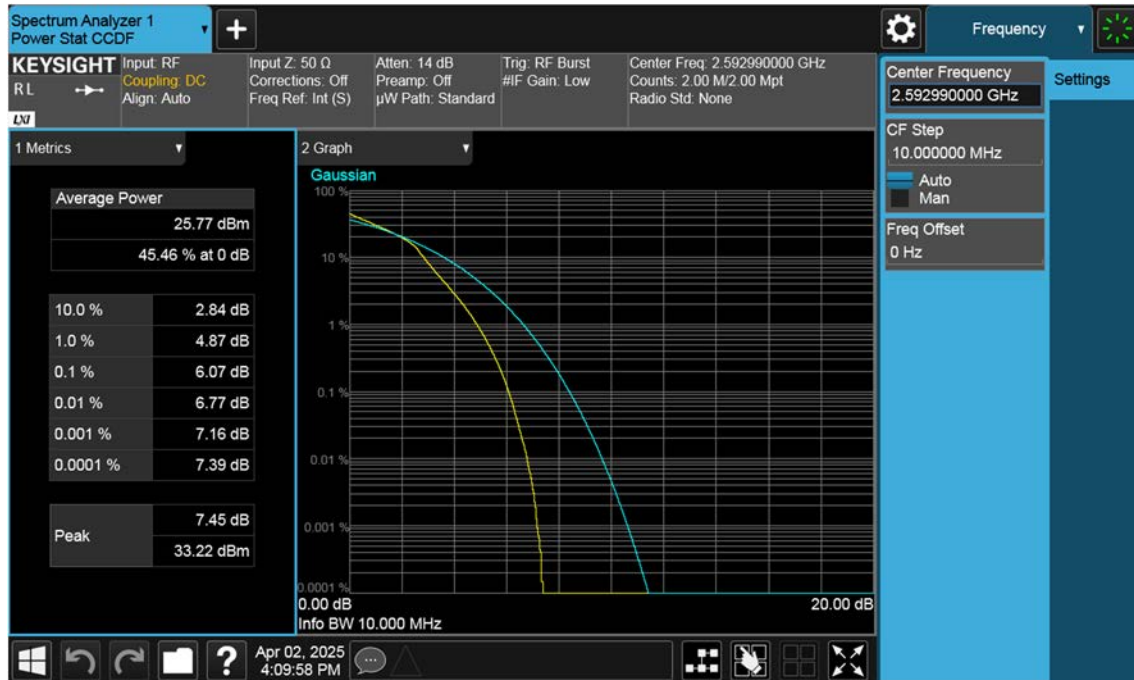
NR41_10 M_PAR_Mid_BPSK_FullRB



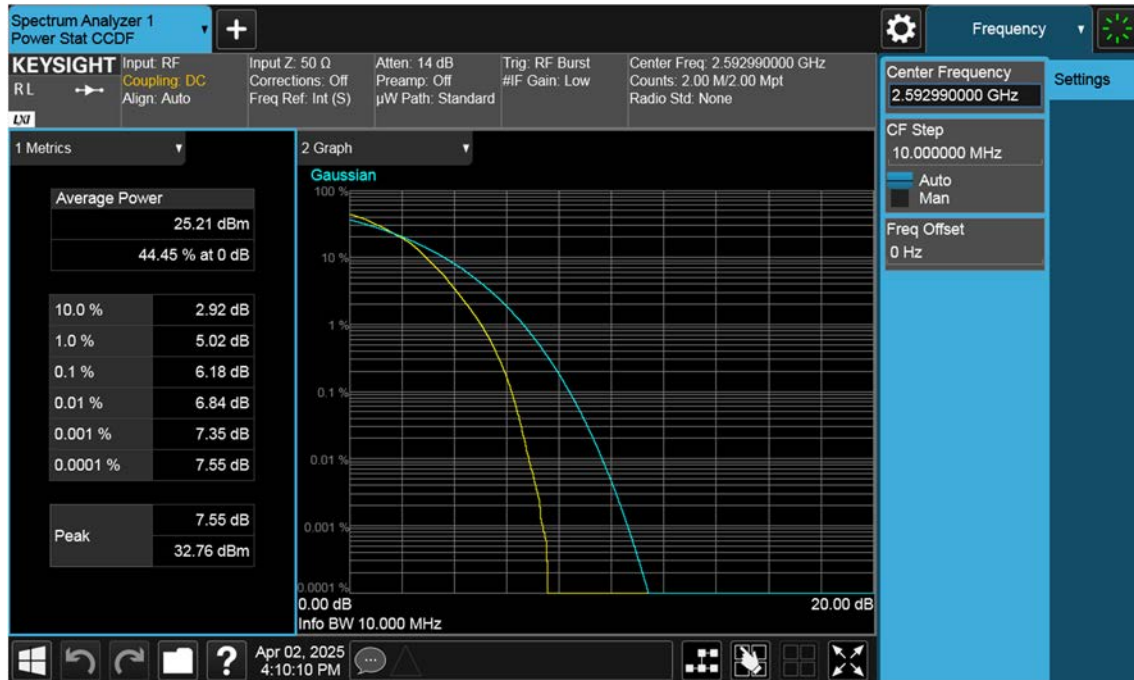
NR41_10 M_PAR_Mid_QPSK_FullRB



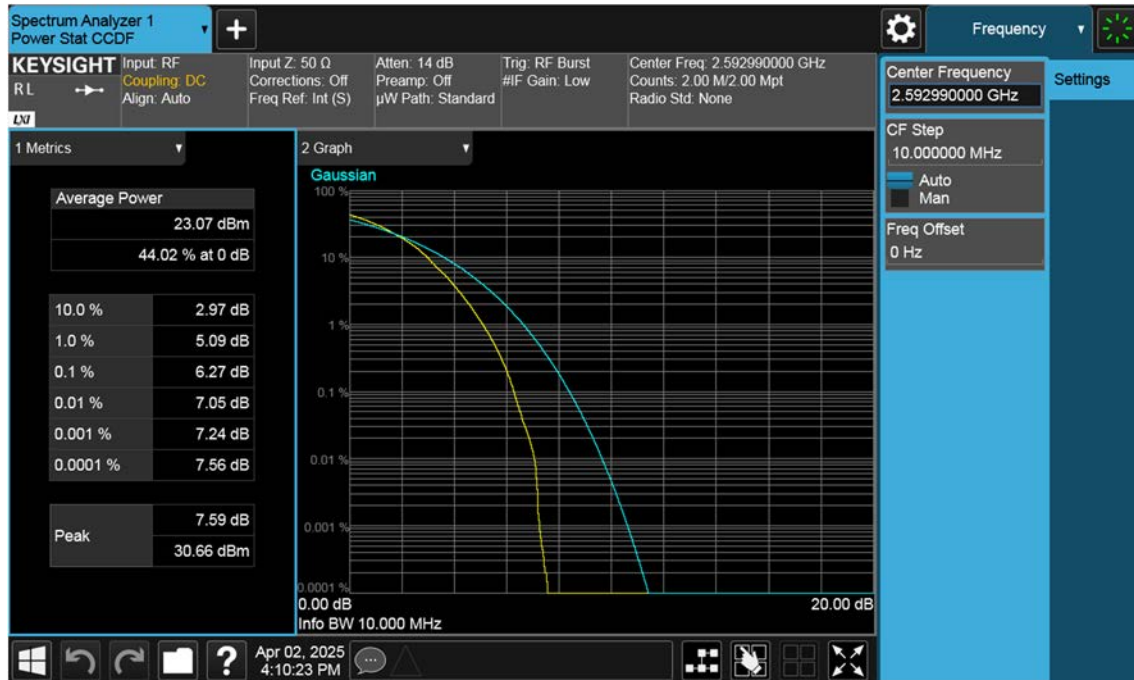
NR41_10 M_PAR_Mid_16QAM_FullRB



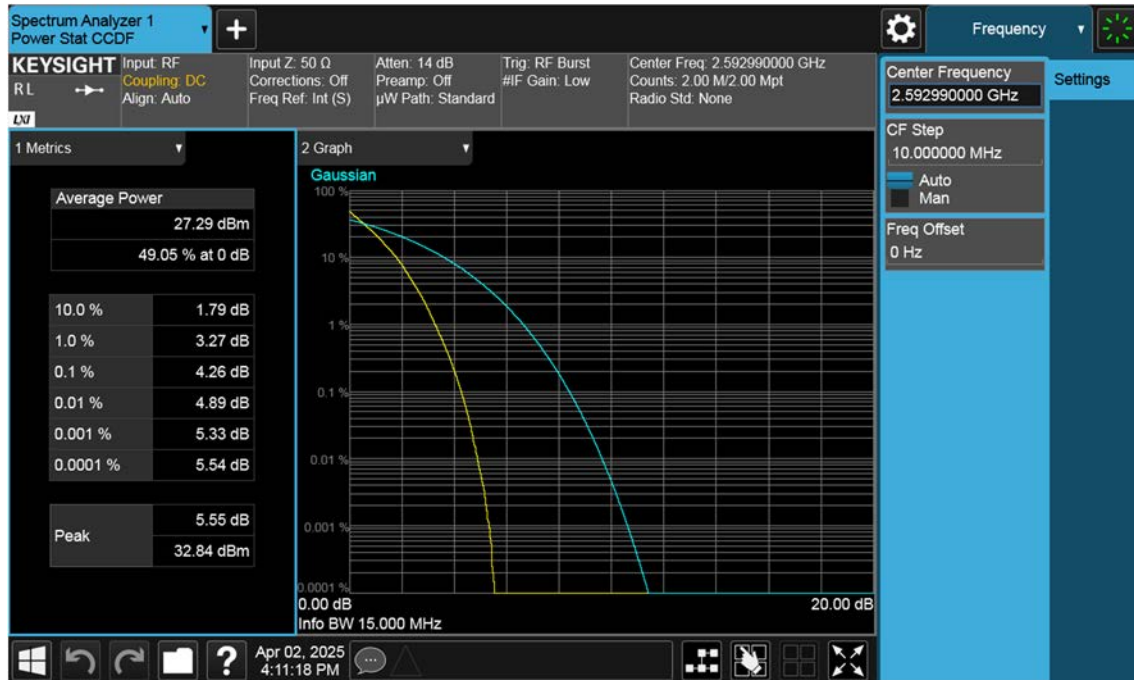
NR41_10 M_PAR_Mid_64QAM_FullRB



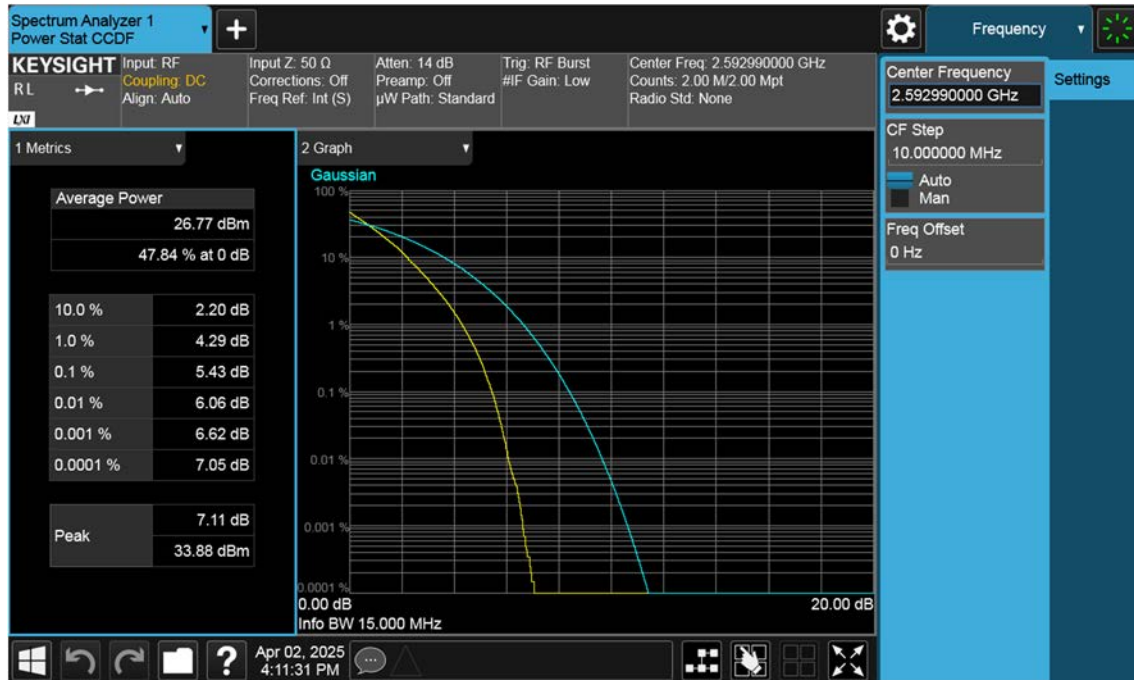
NR41_10 M_PAR_Mid_256QAM_FullRB



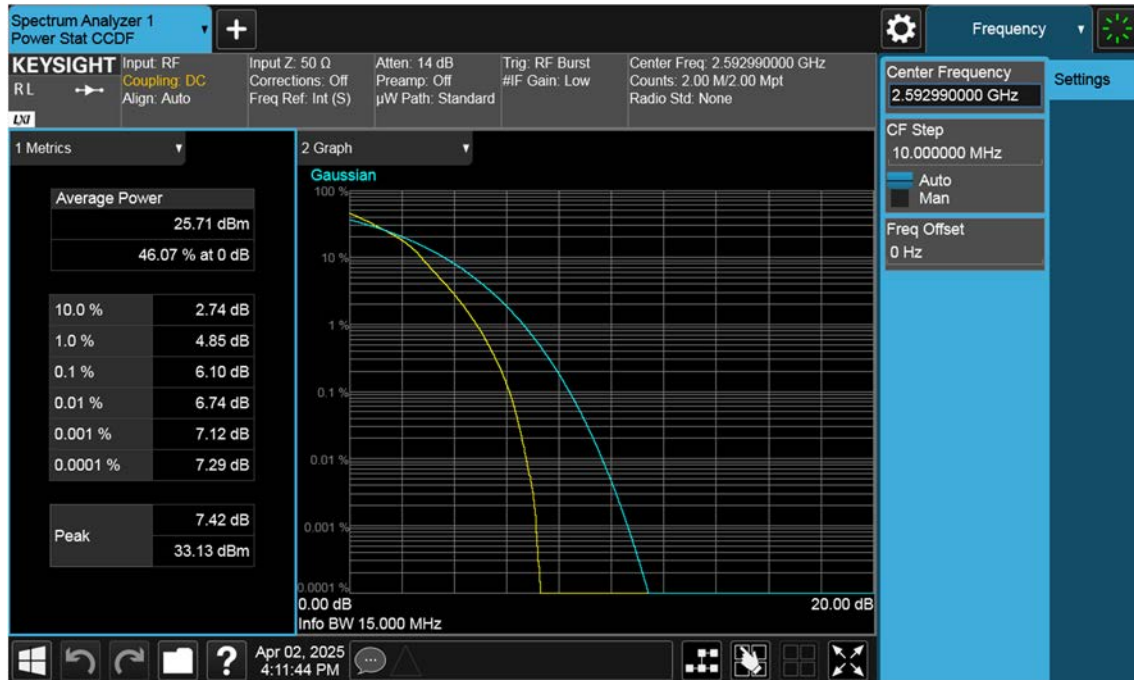
NR41_15 M_PAR_Mid_BPSK_FullRB



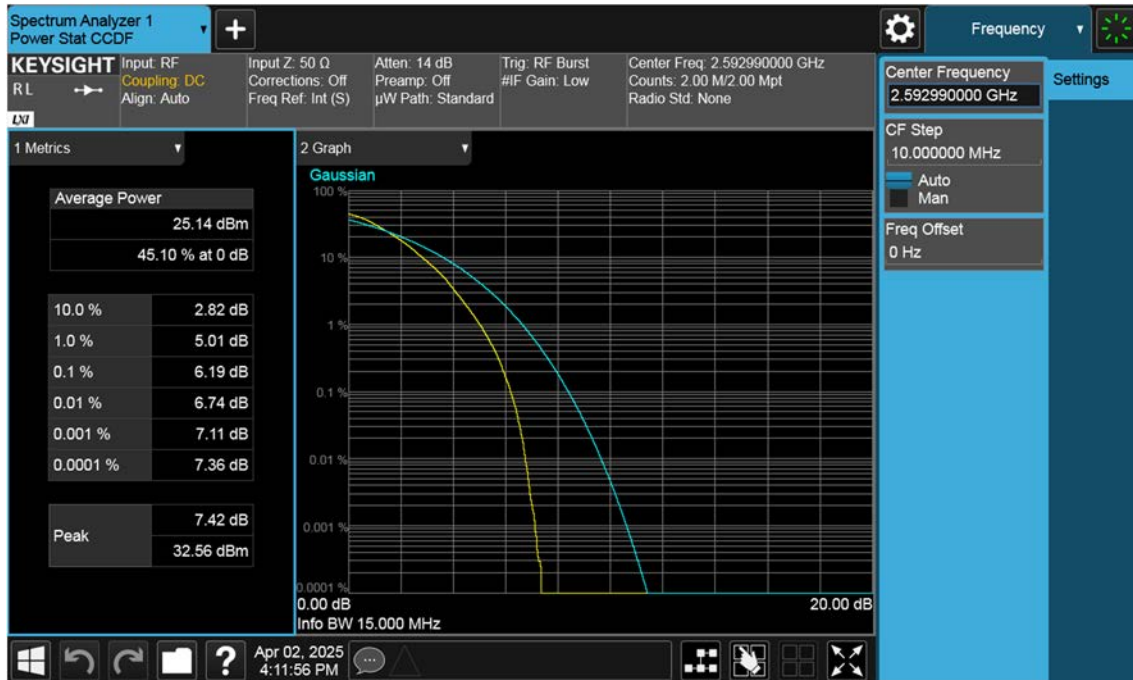
NR41_15 M_PAR_Mid_QPSK_FullRB



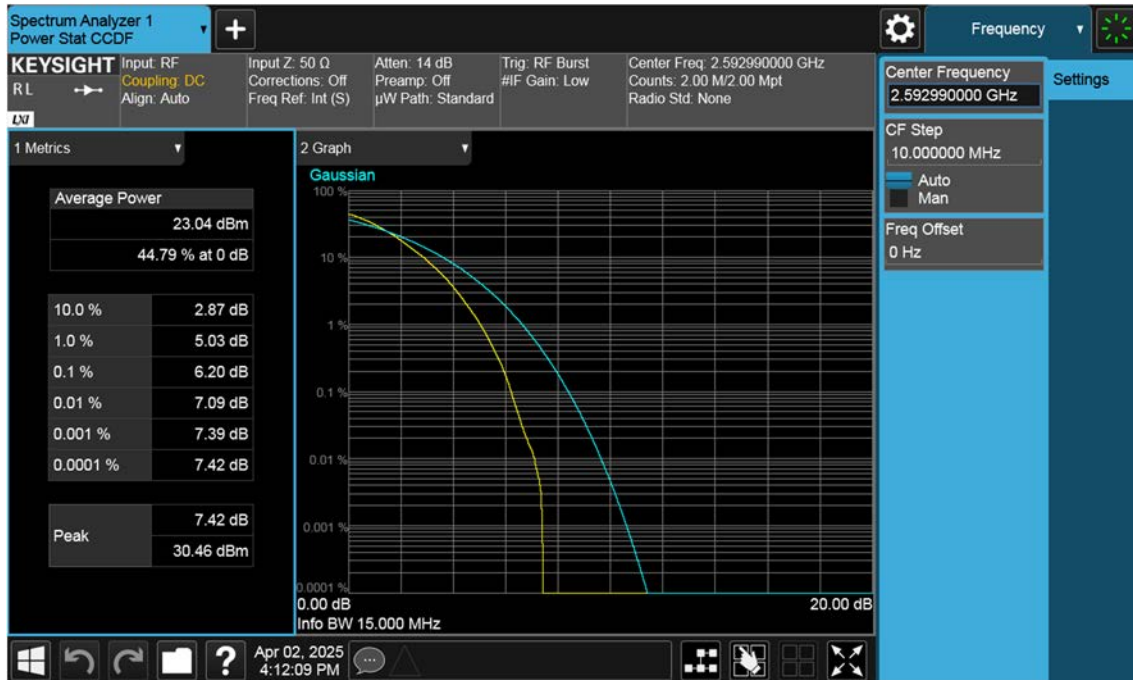
NR41_15 M_PAR_Mid_16QAM_FullRB



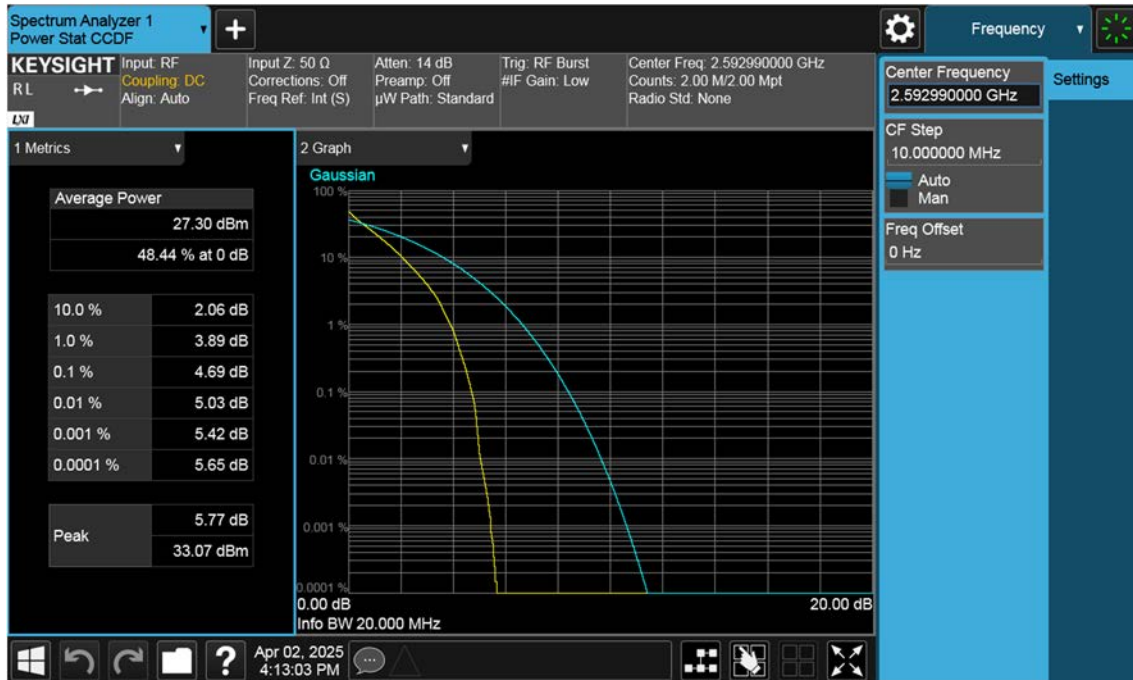
NR41_15 M_PAR_Mid_64QAM_FullRB



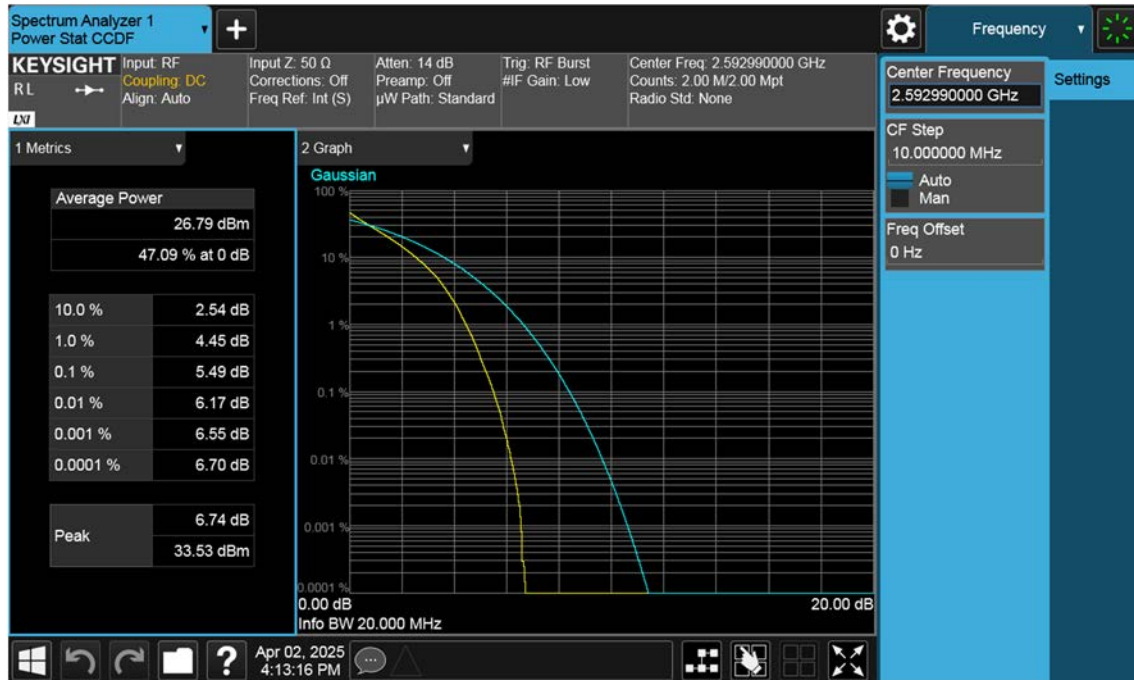
NR41_15 M_PAR_Mid_256QAM_FullRB



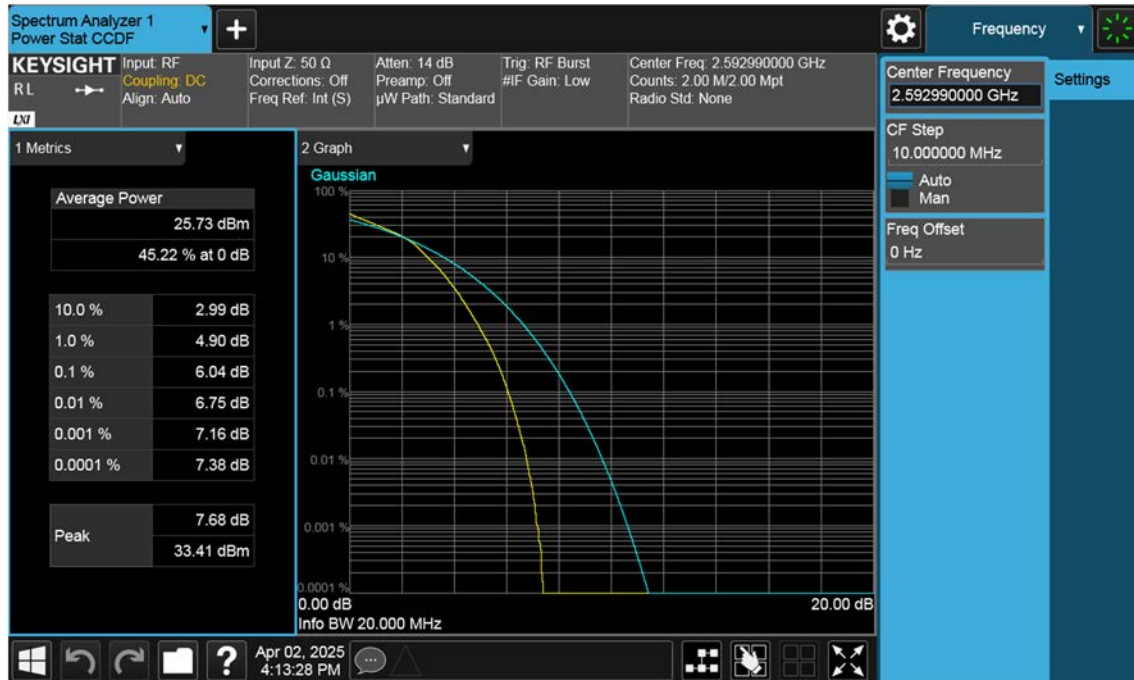
NR41_20 M_PAR_Mid_BPSK_FullRB



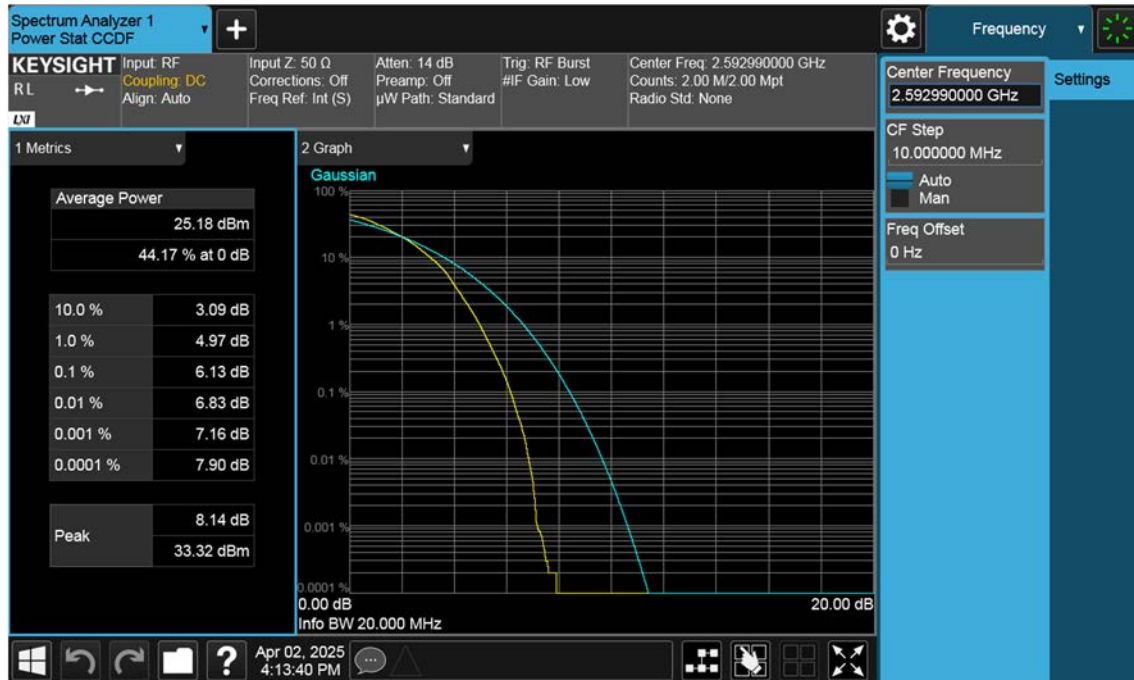
NR41_20 M_PAR_Mid_QPSK_FullRB



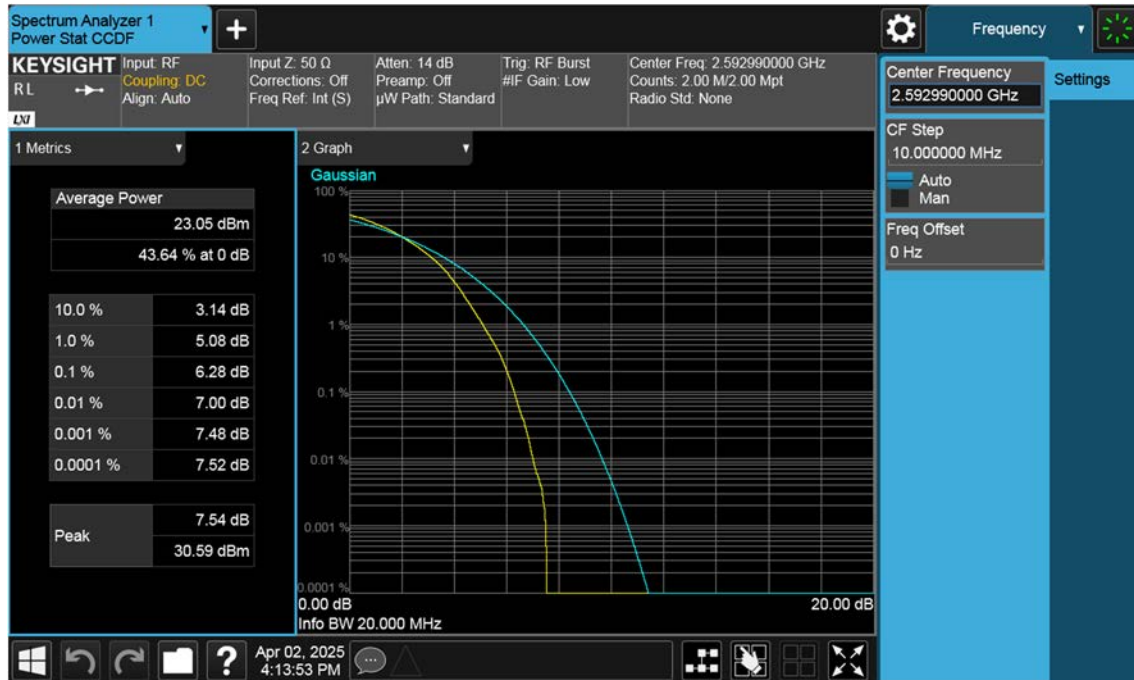
NR41_20 M_PAR_Mid_16QAM_FullRB



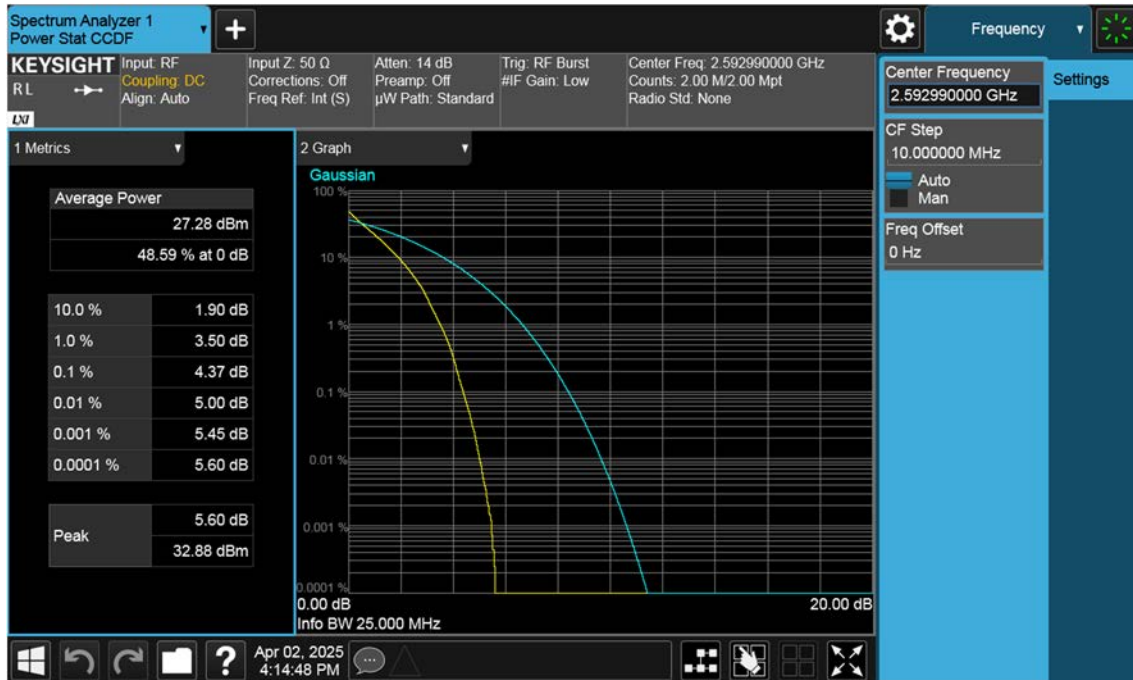
NR41_20 M_PAR_Mid_64QAM_FullRB



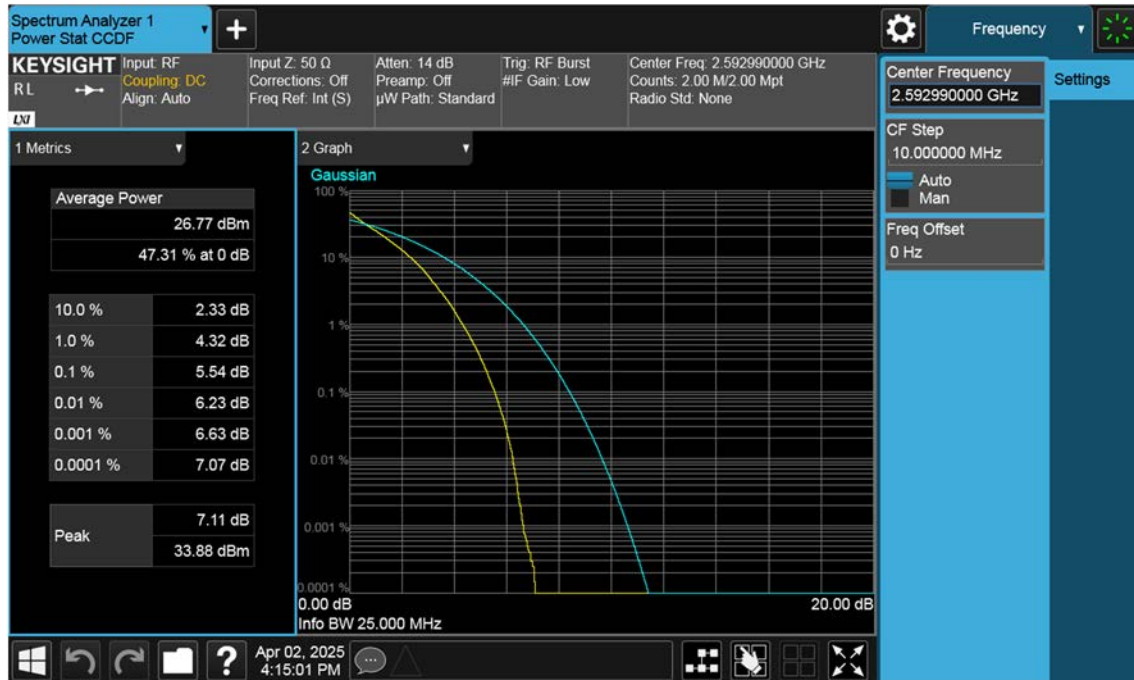
NR41_20 M_PAR_Mid_256QAM_FullRB



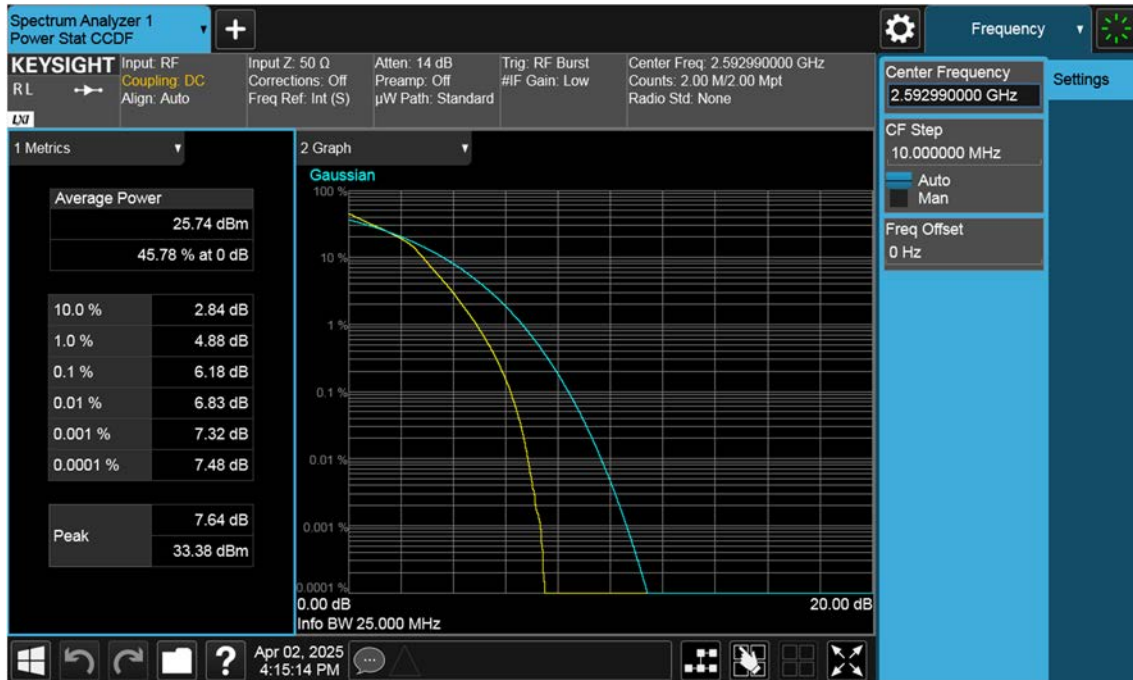
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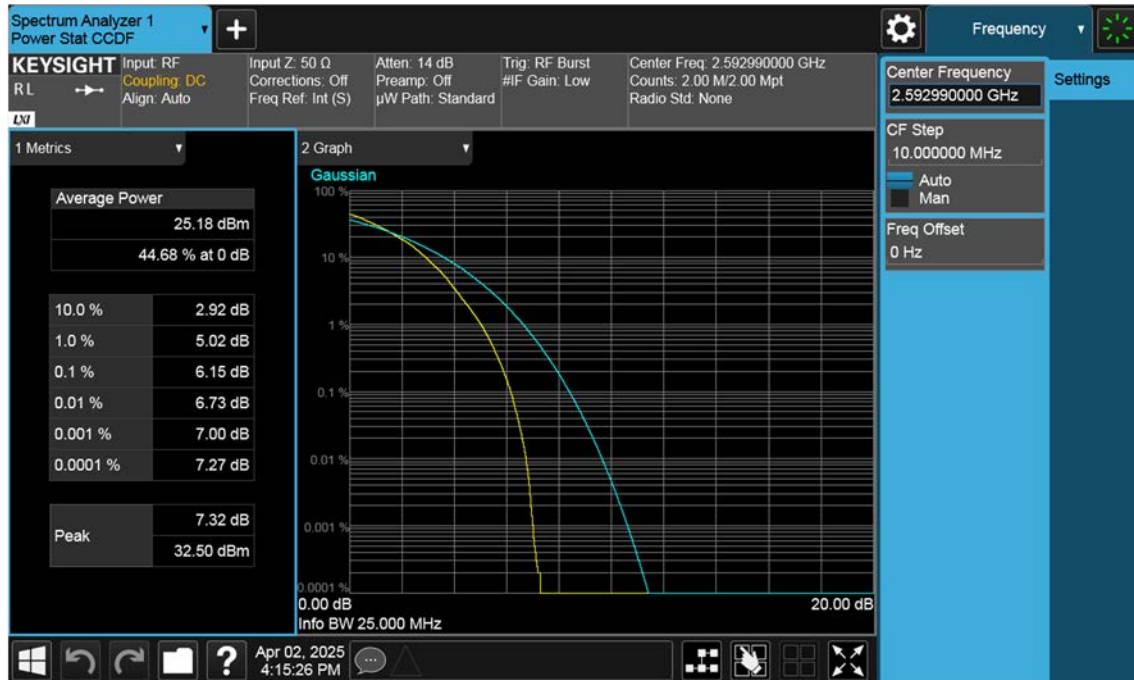
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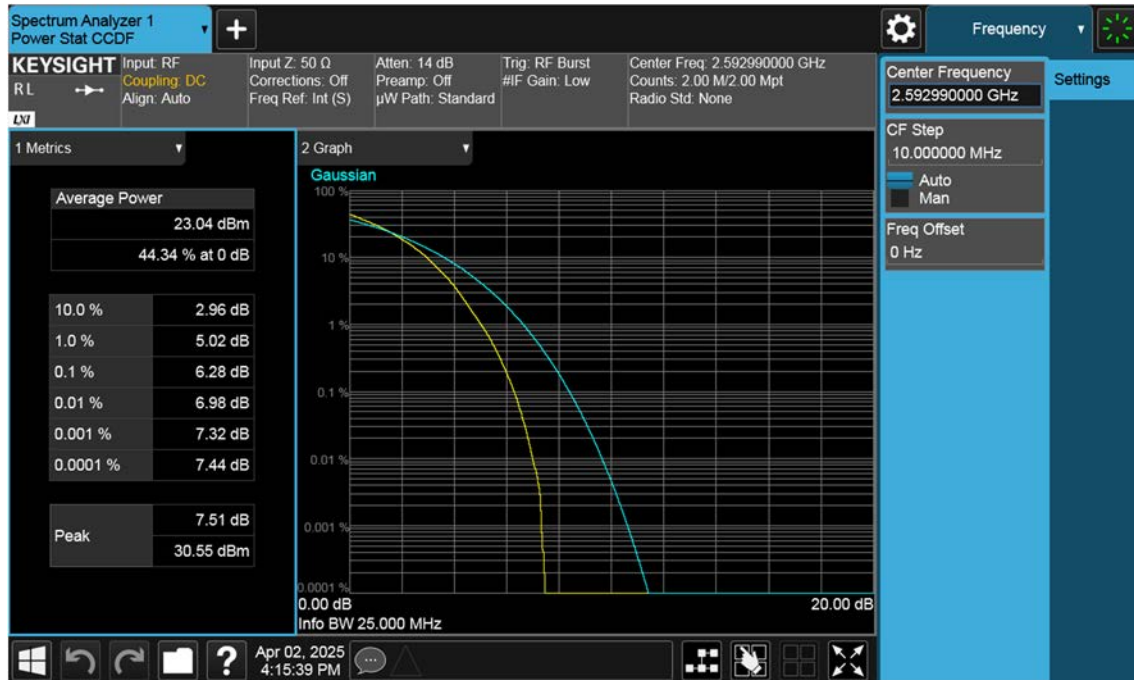
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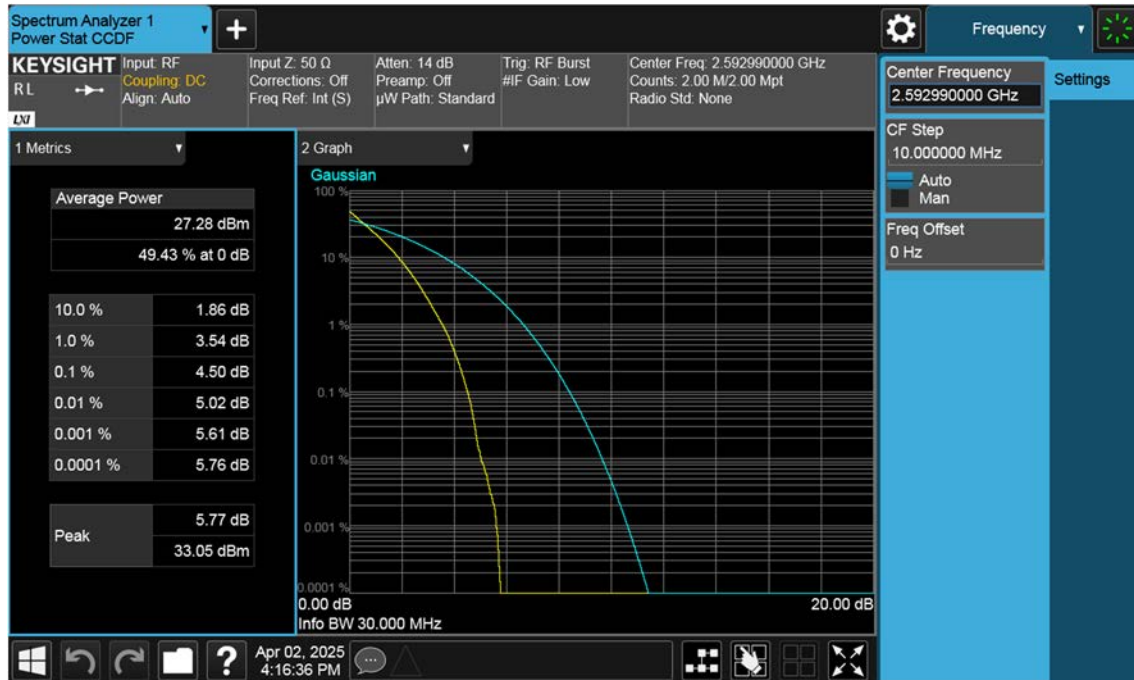
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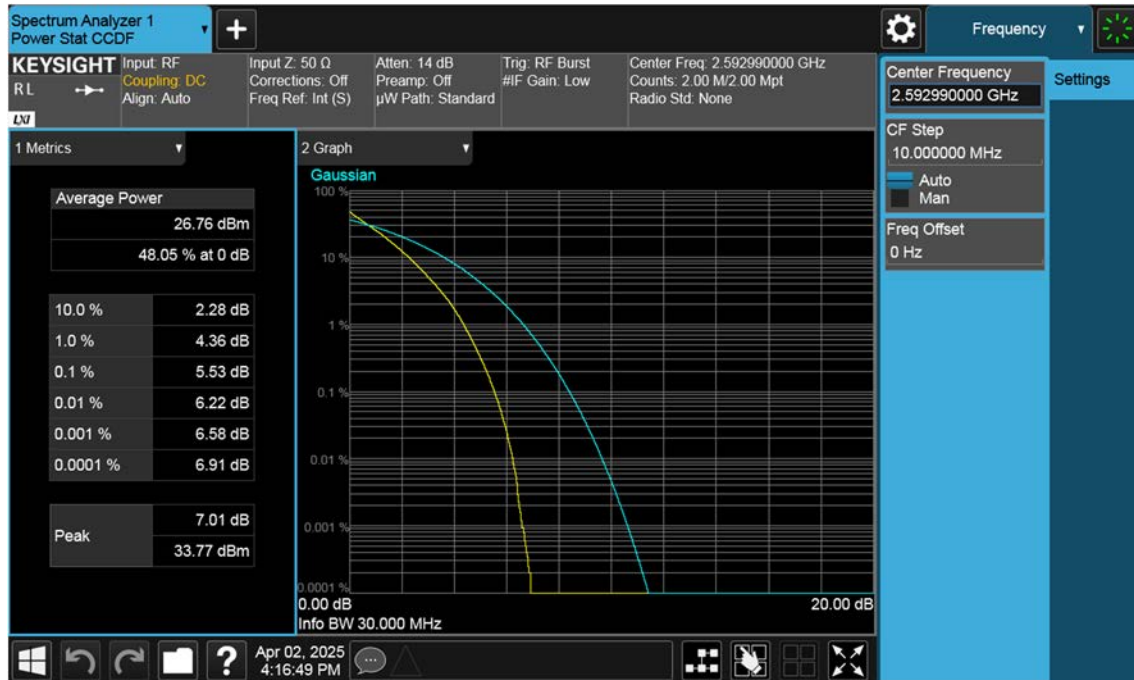
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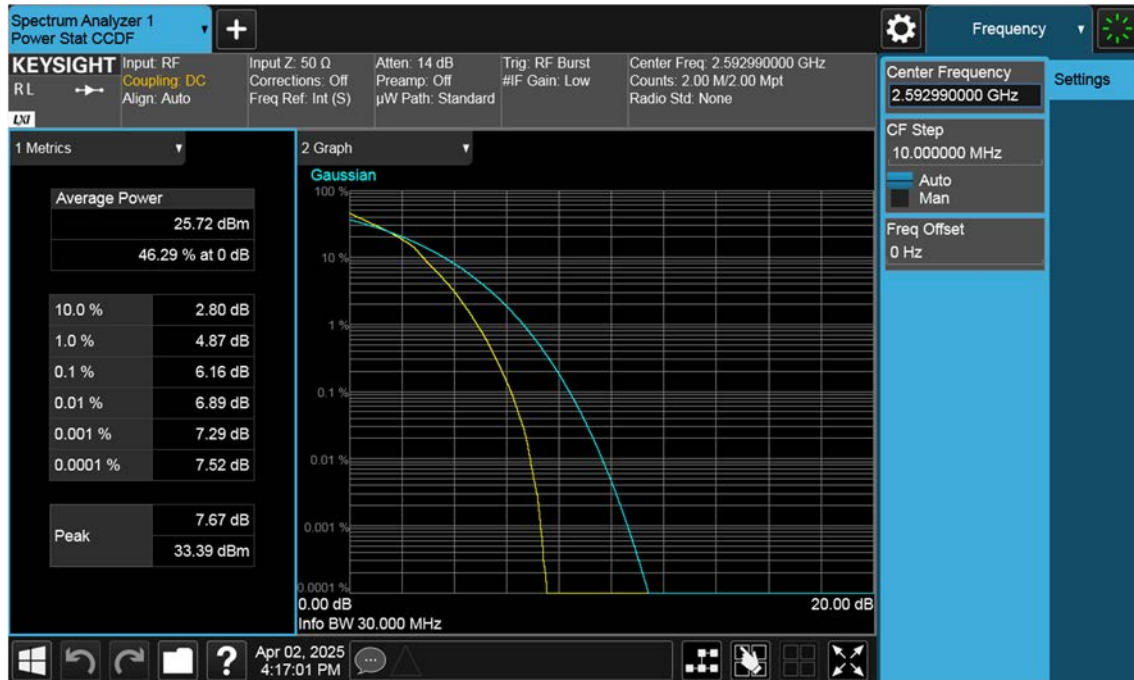
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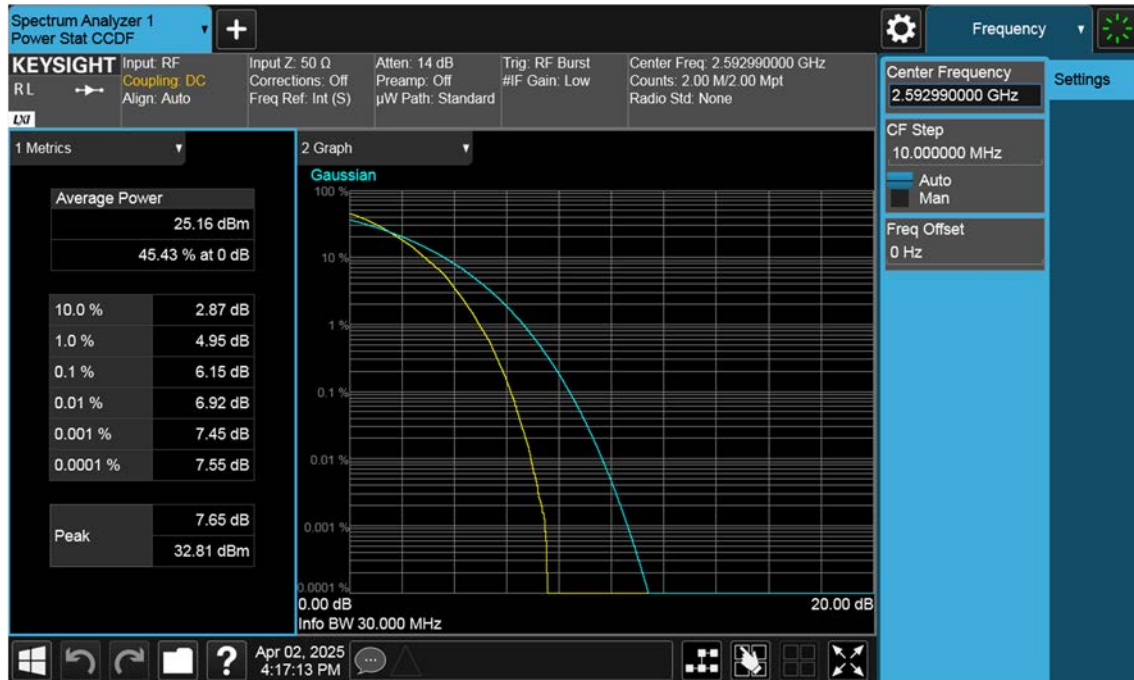
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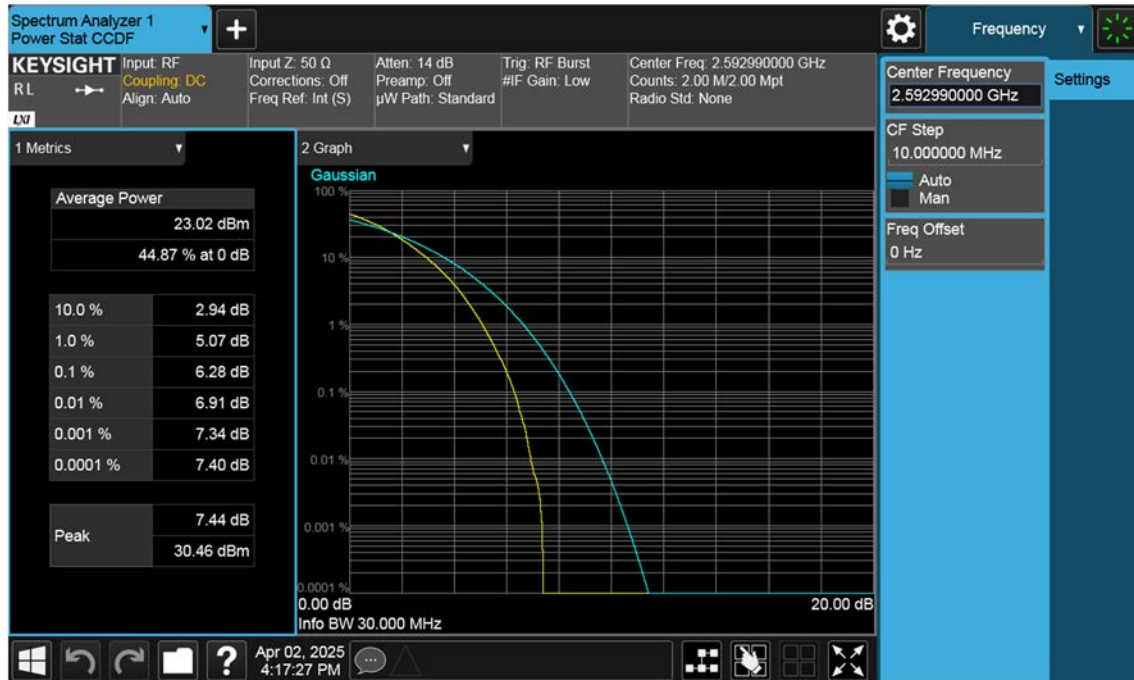
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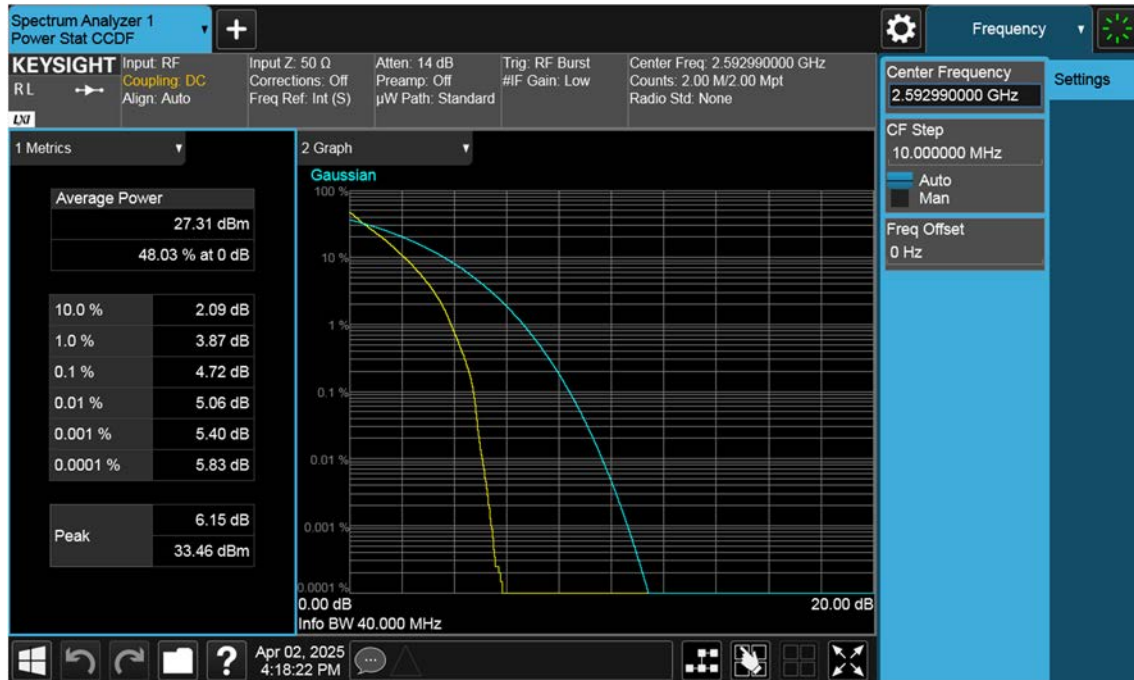
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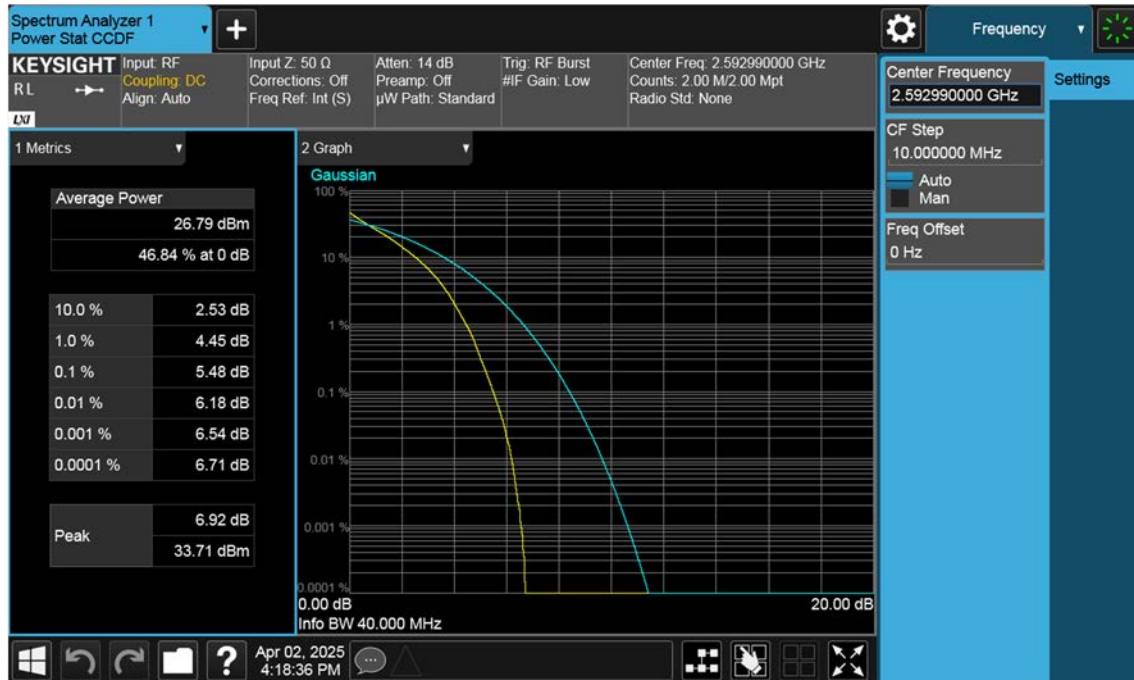
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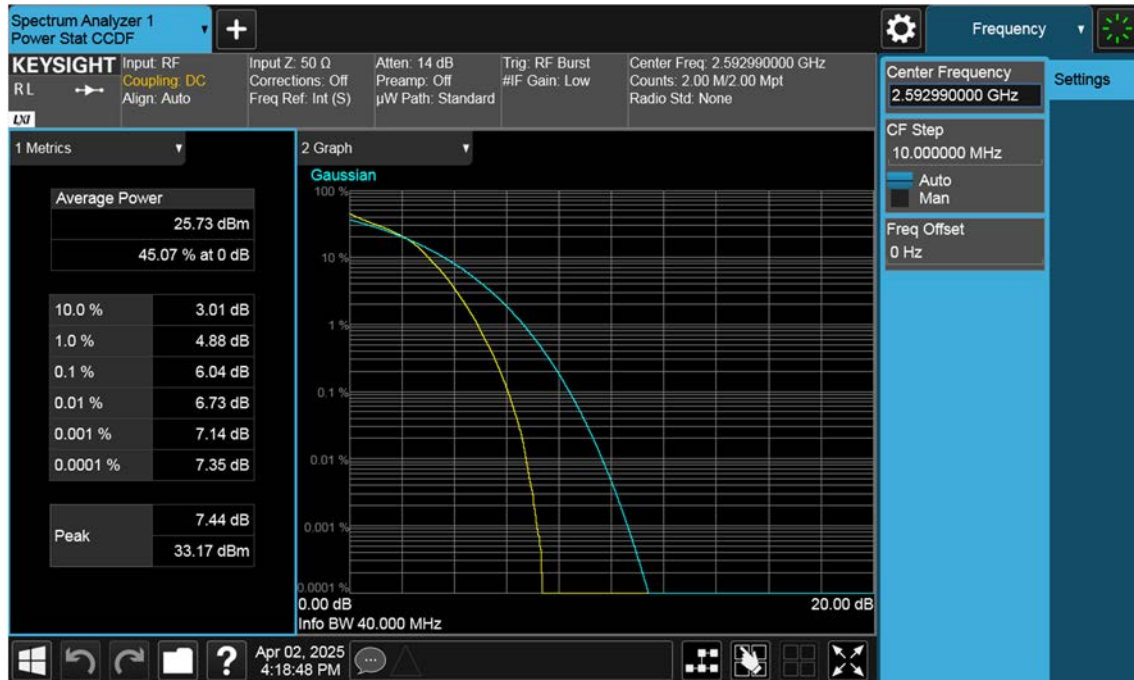
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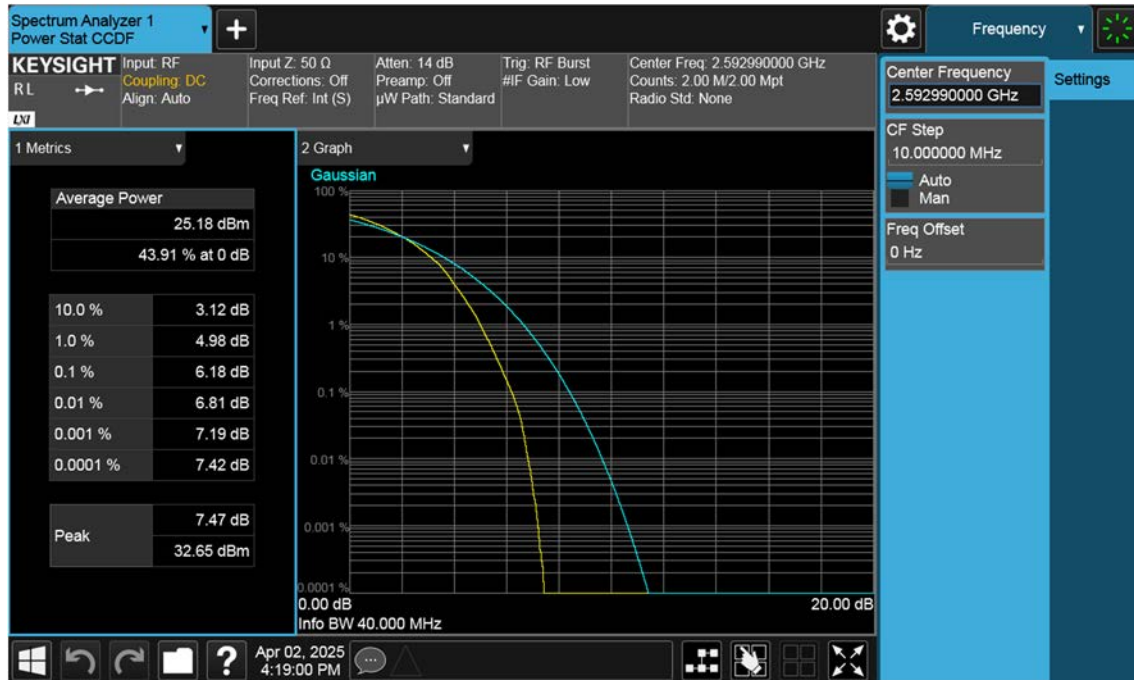
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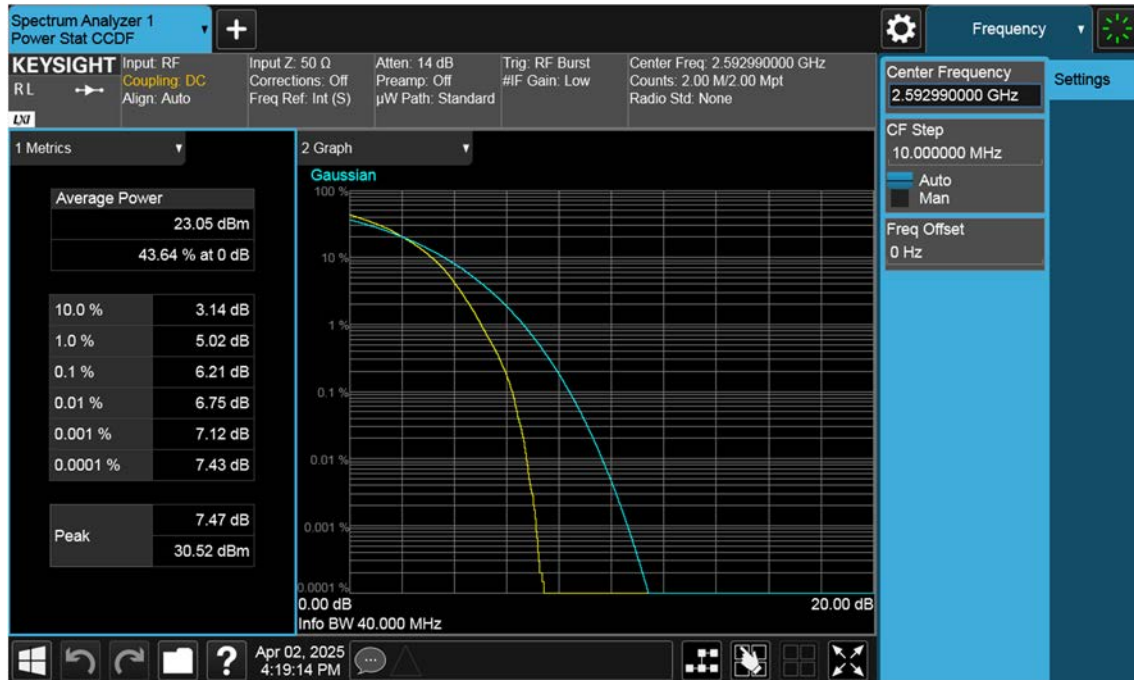
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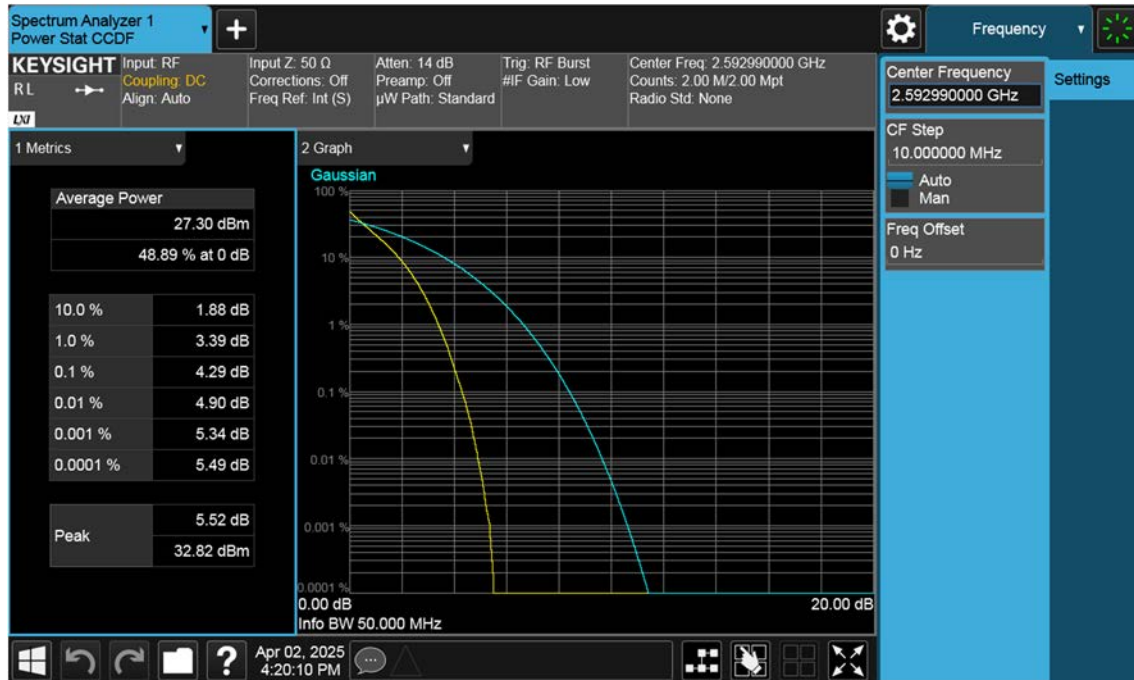
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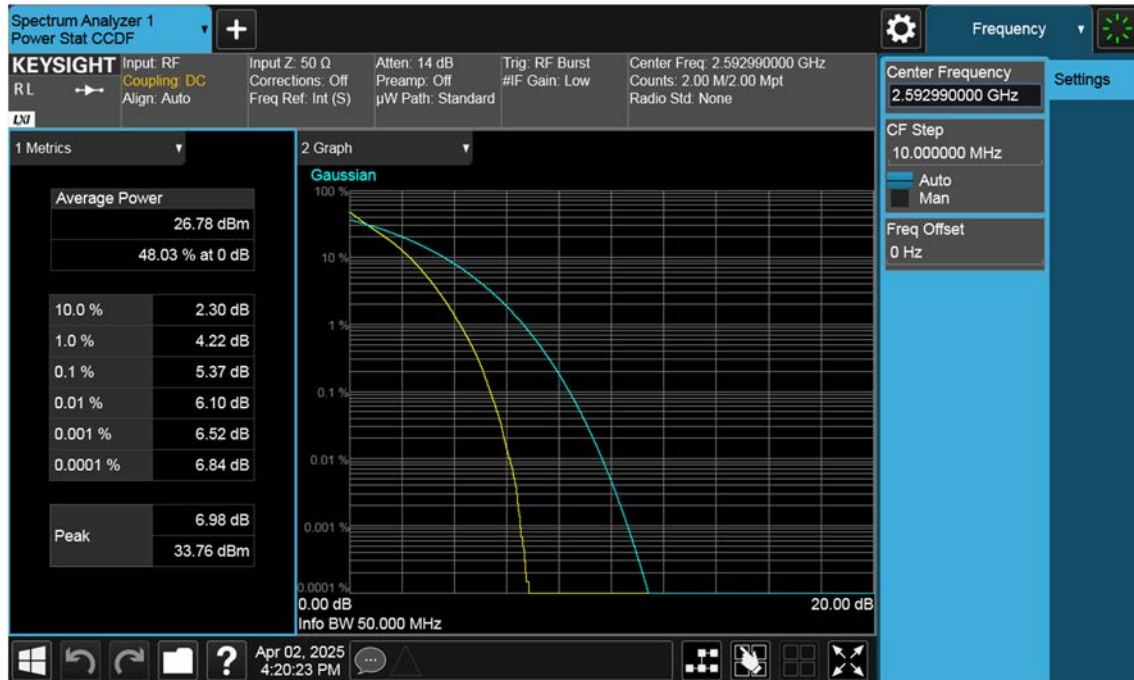
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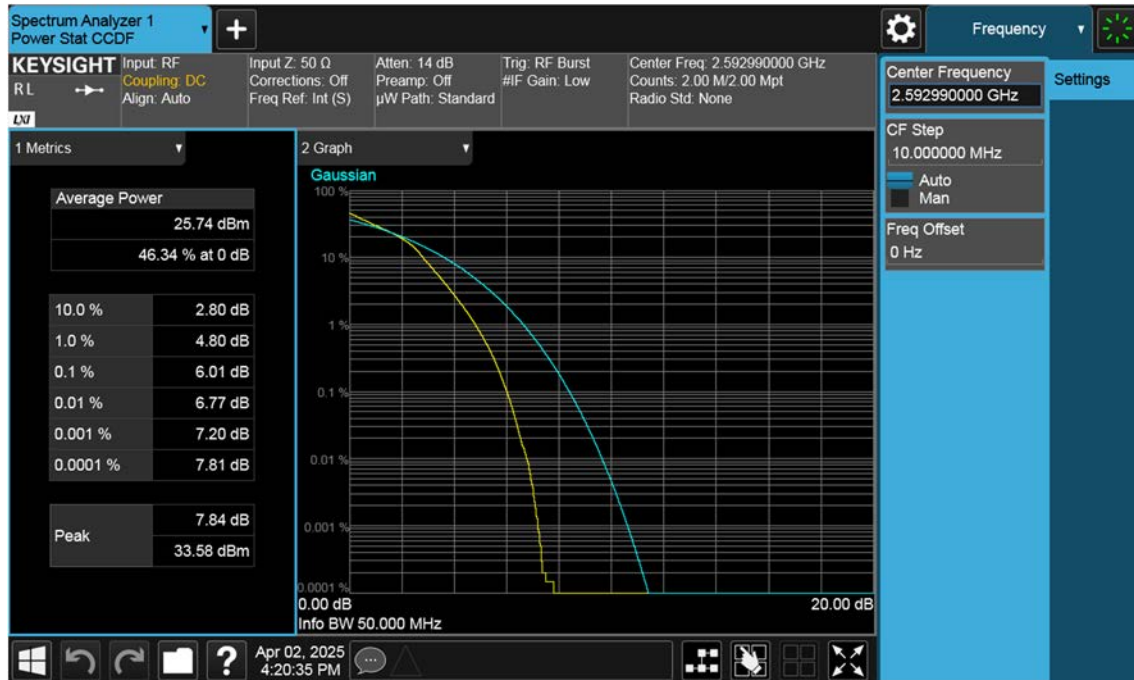
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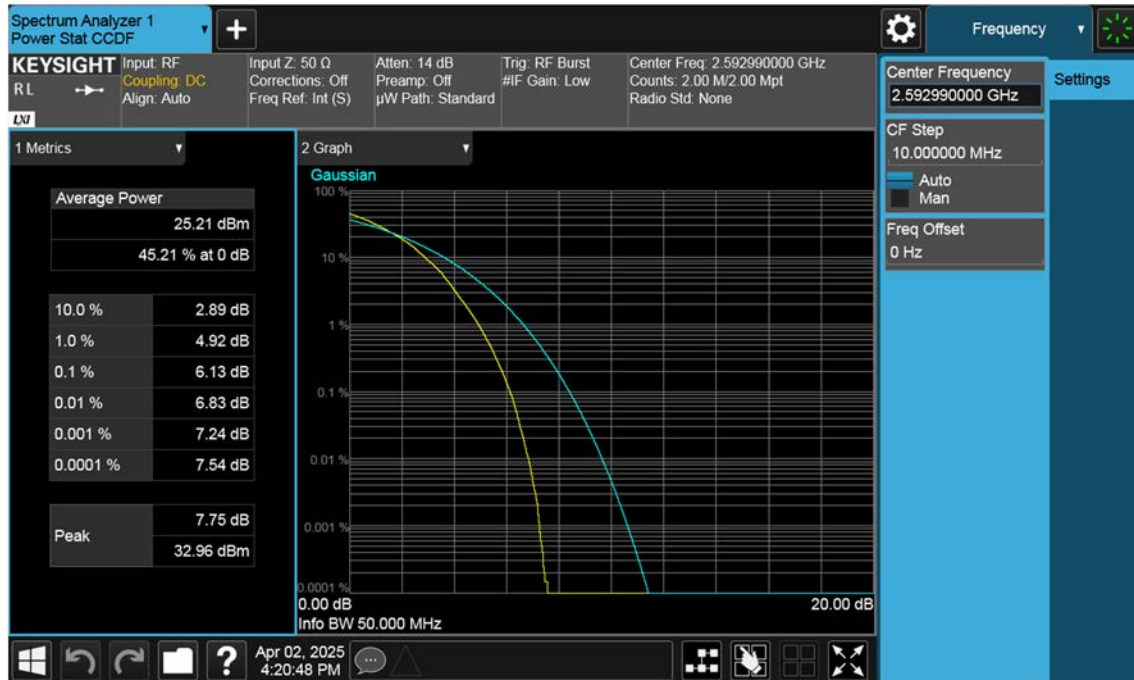
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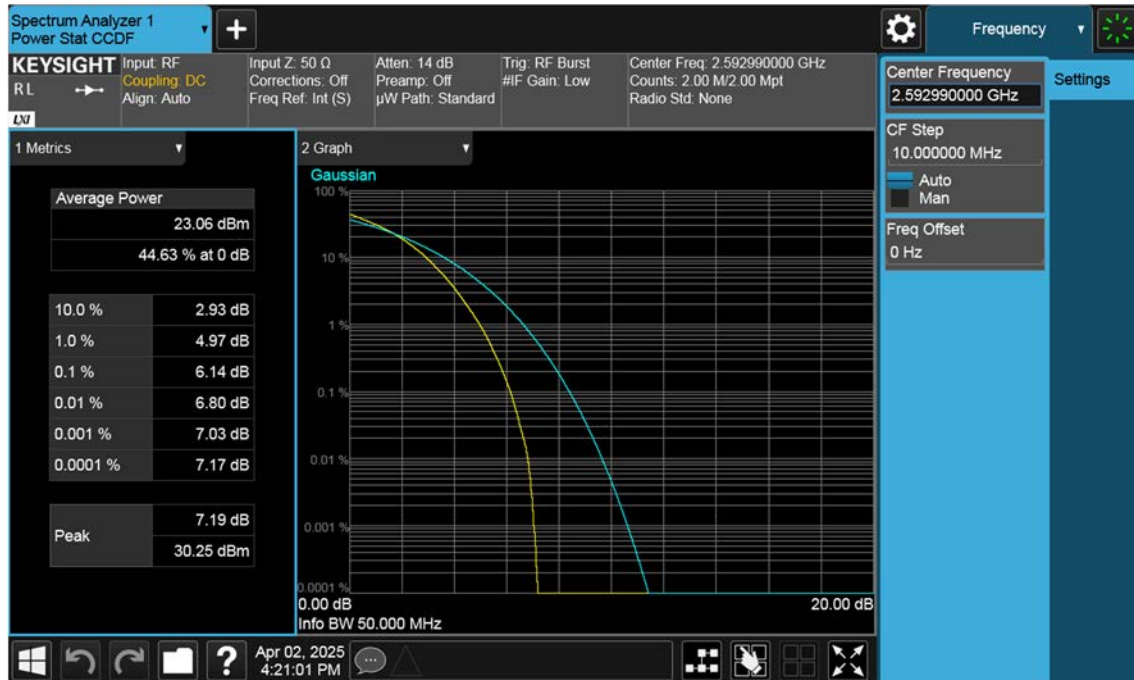
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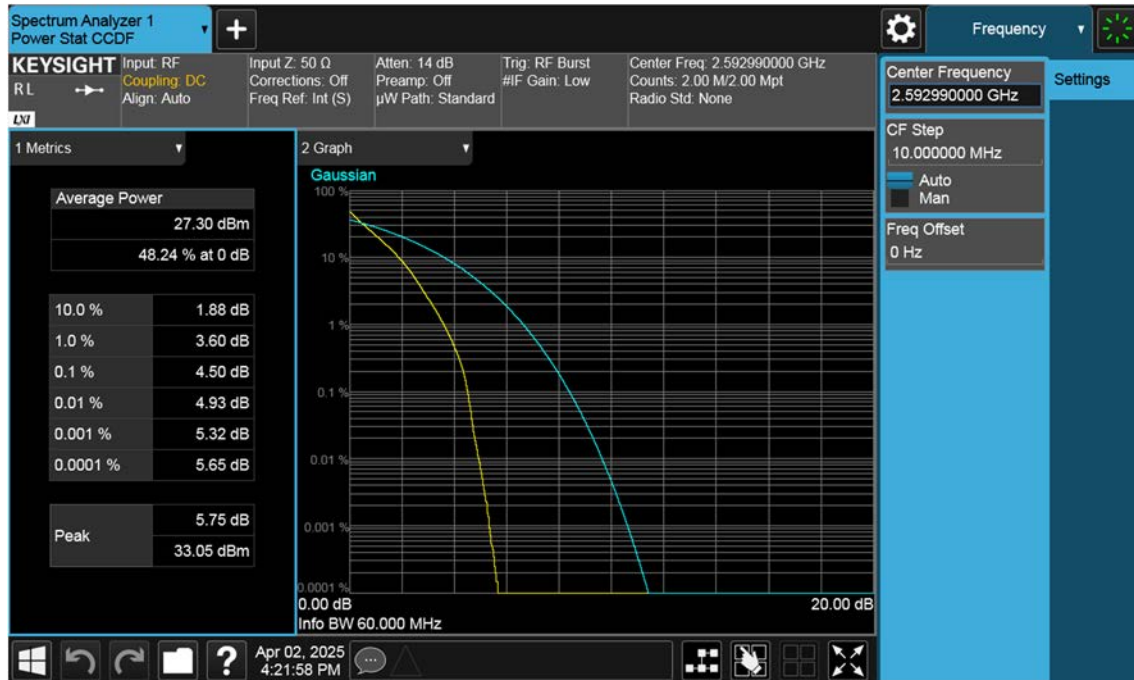
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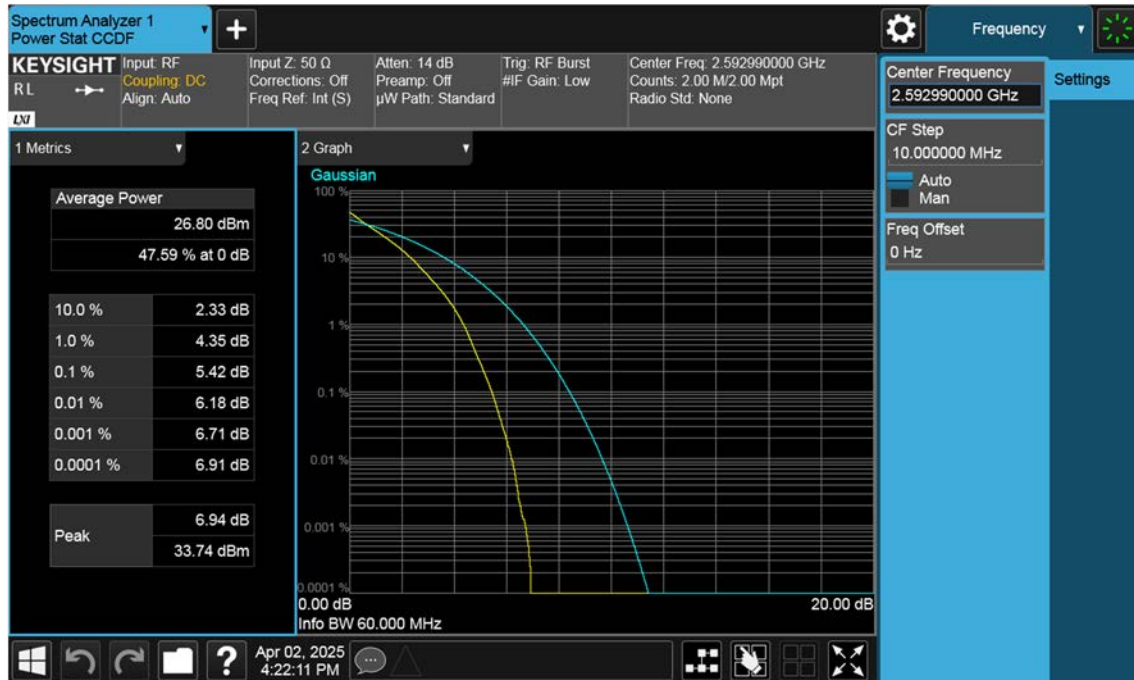
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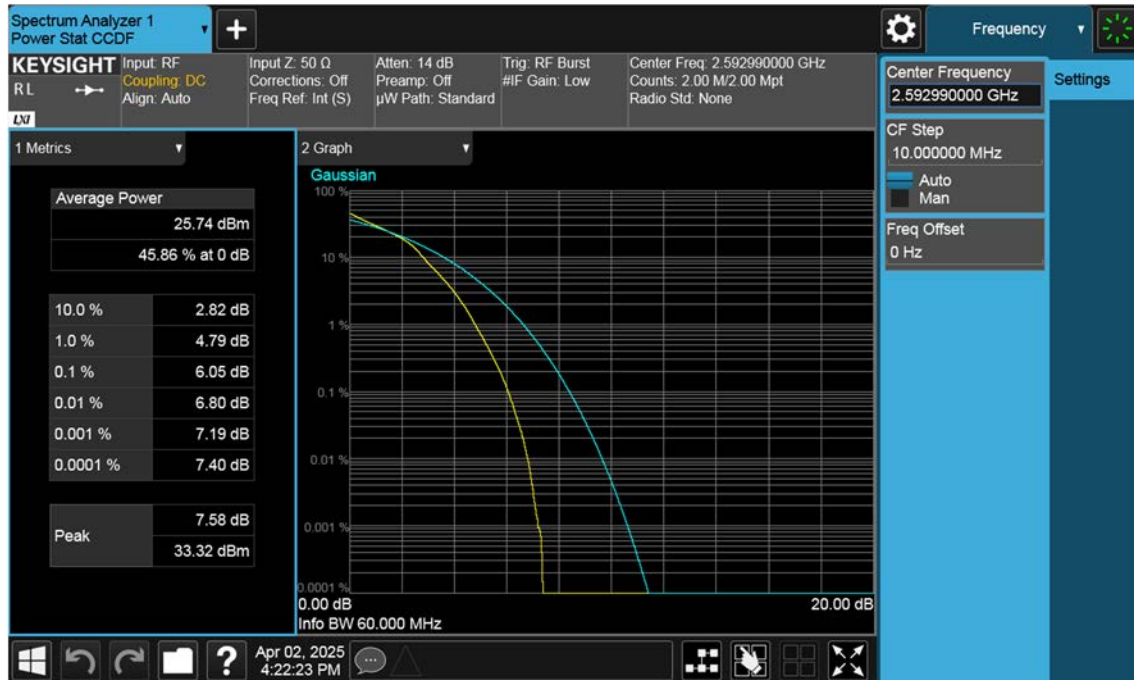
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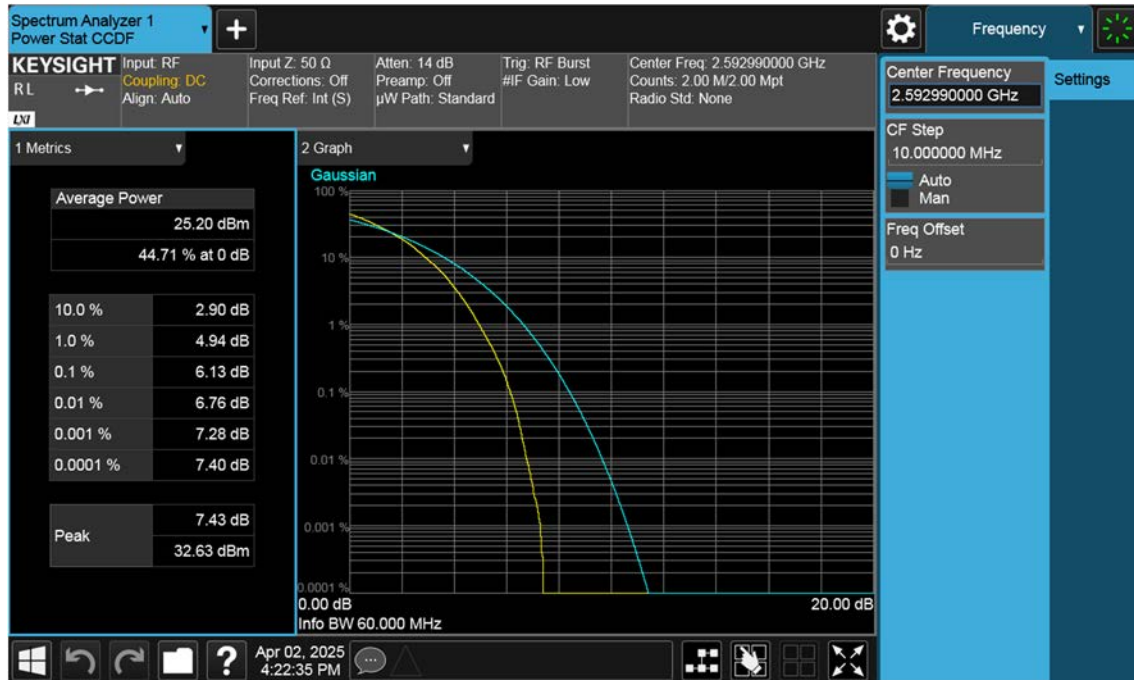
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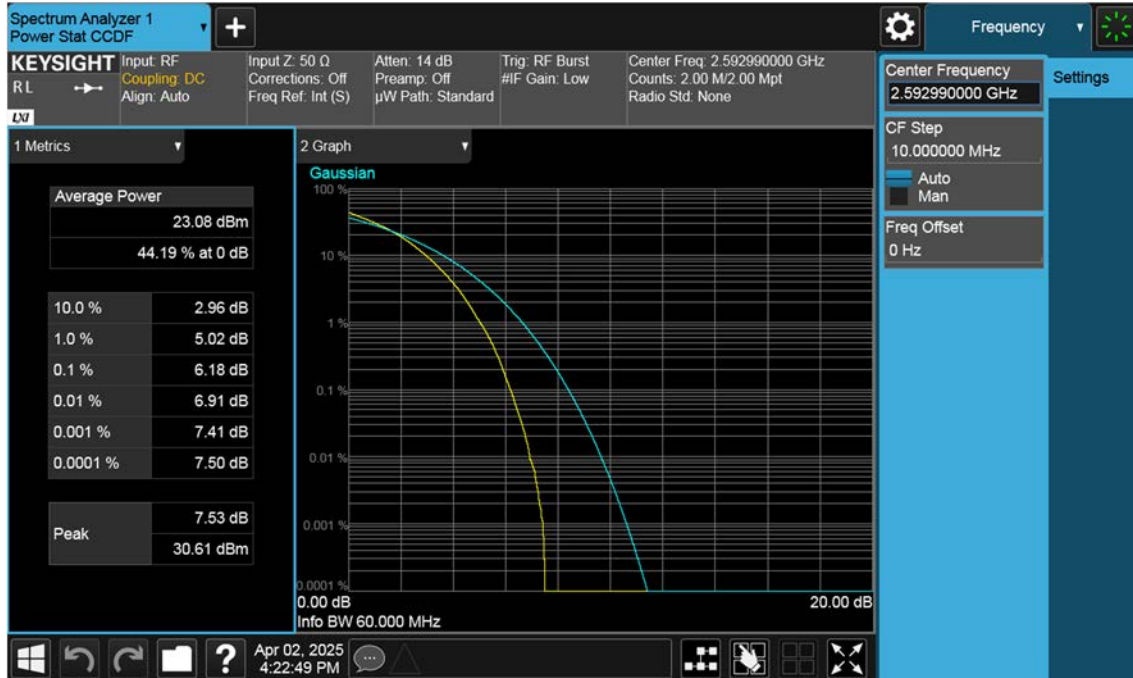
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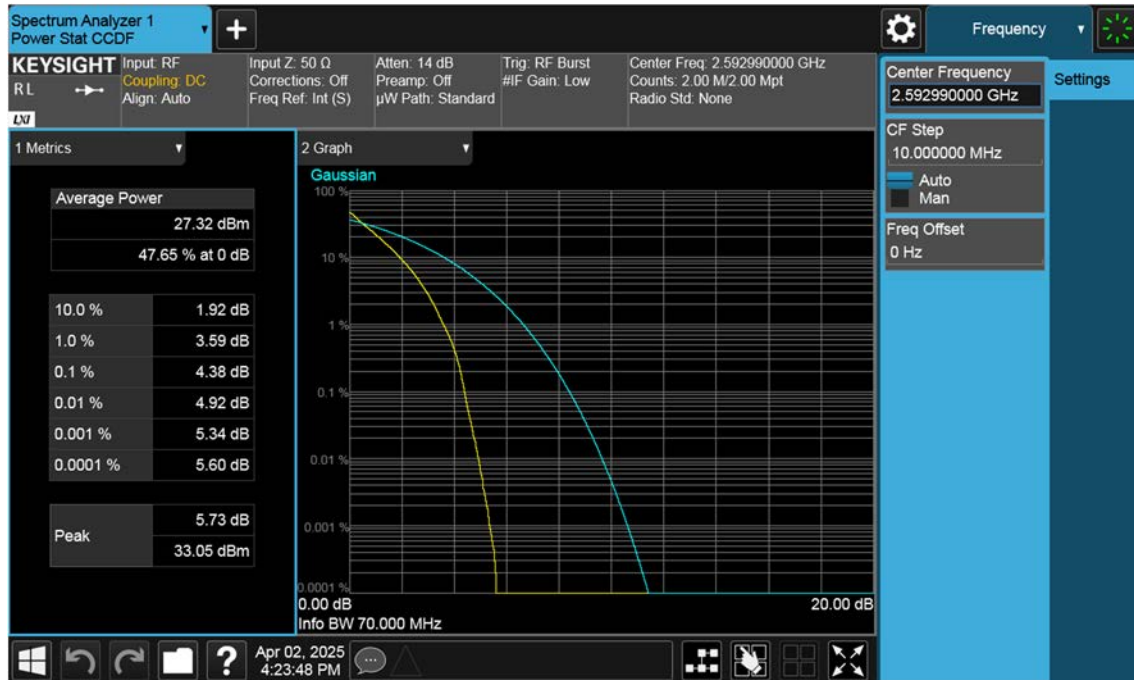
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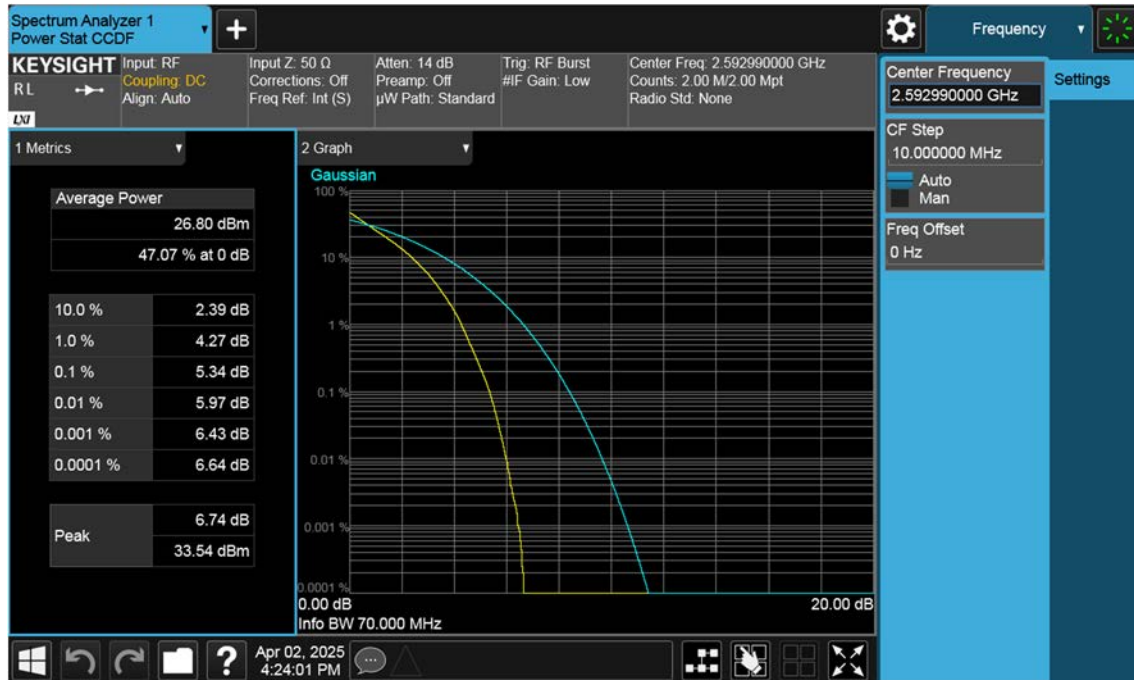
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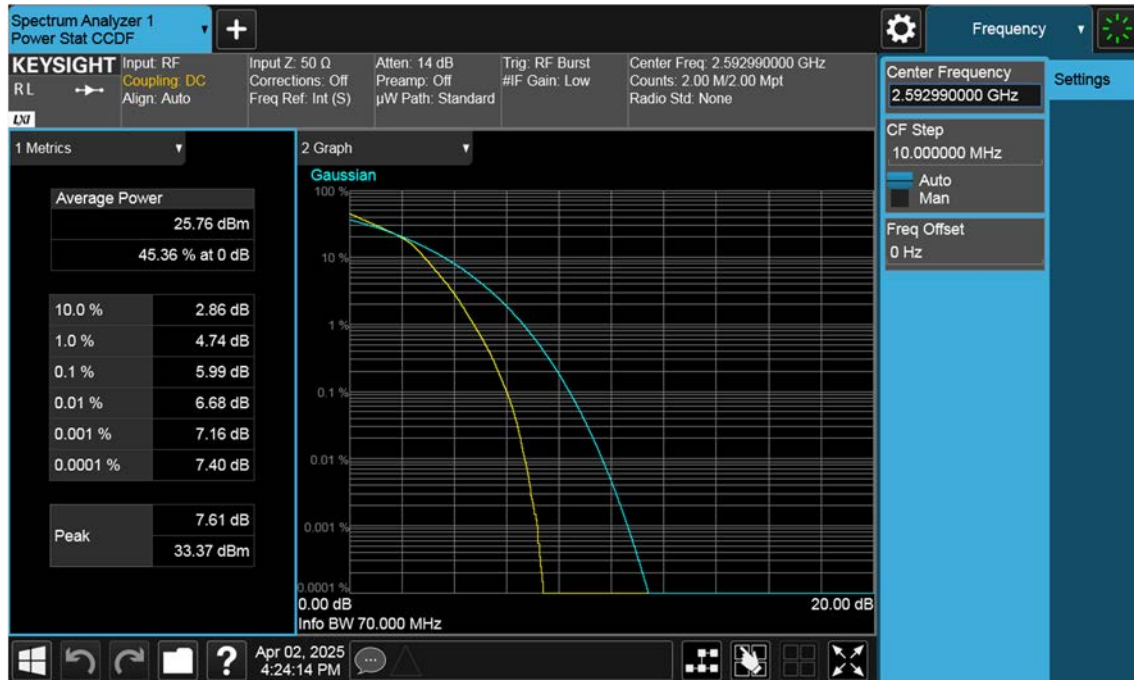
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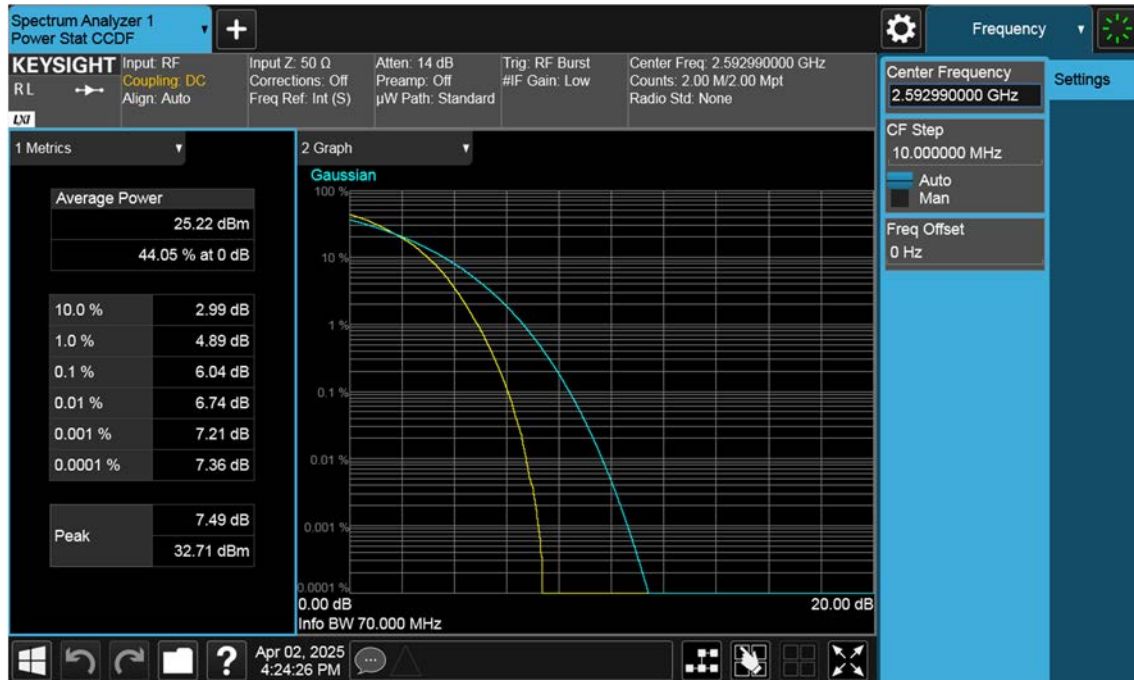
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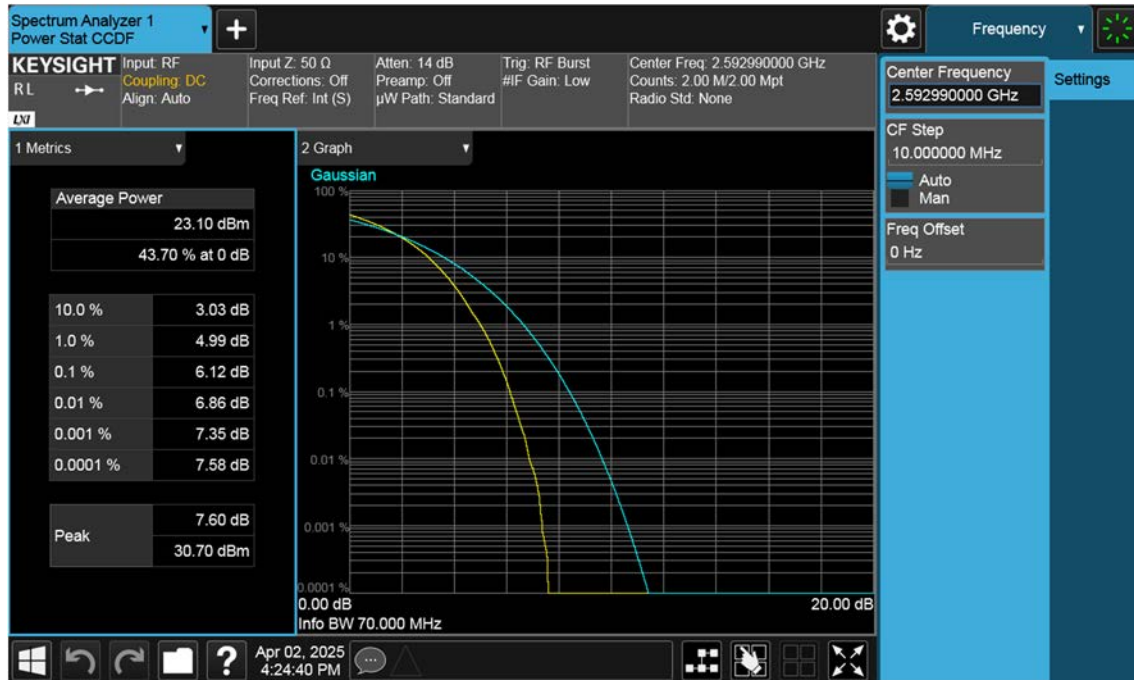
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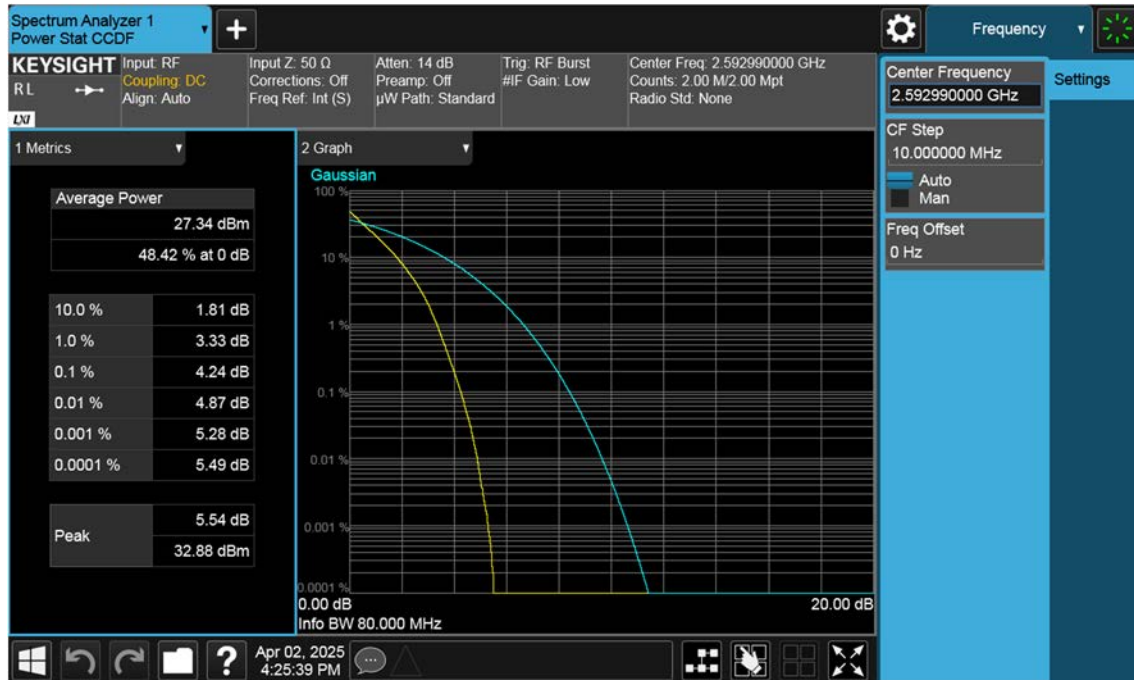
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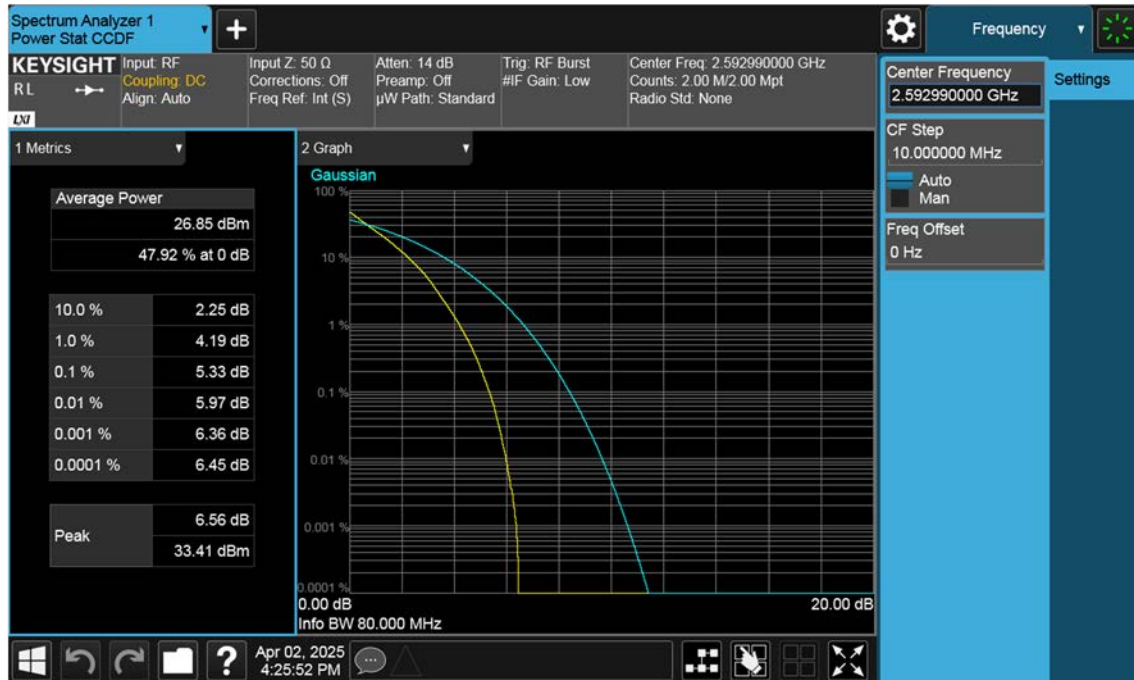
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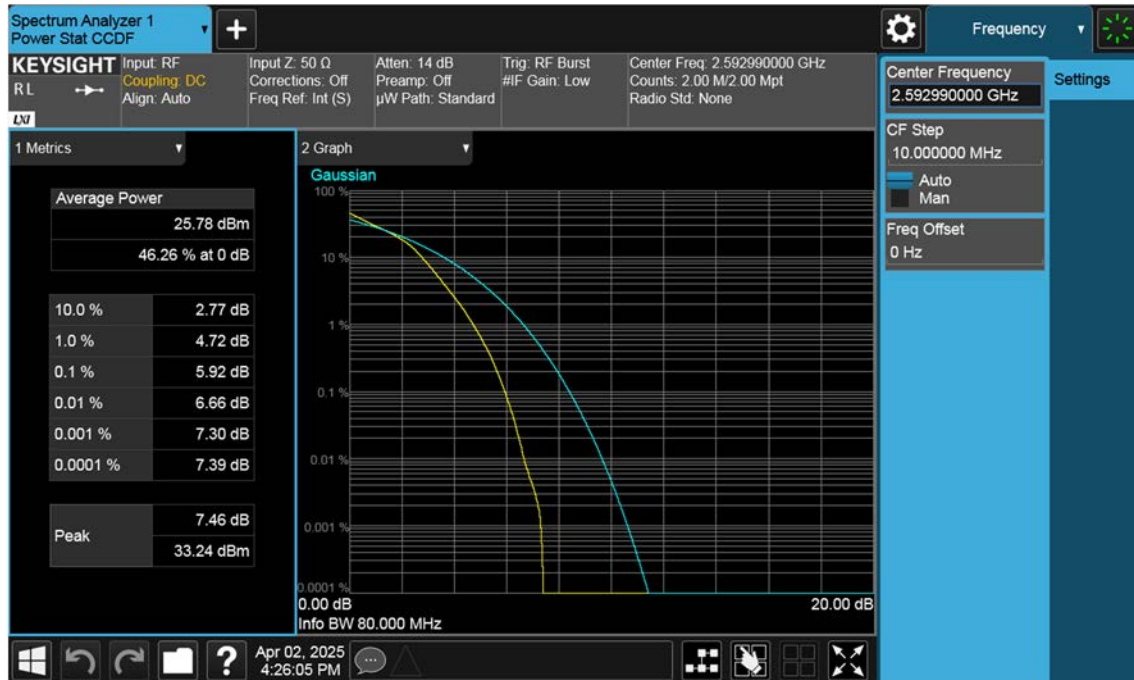
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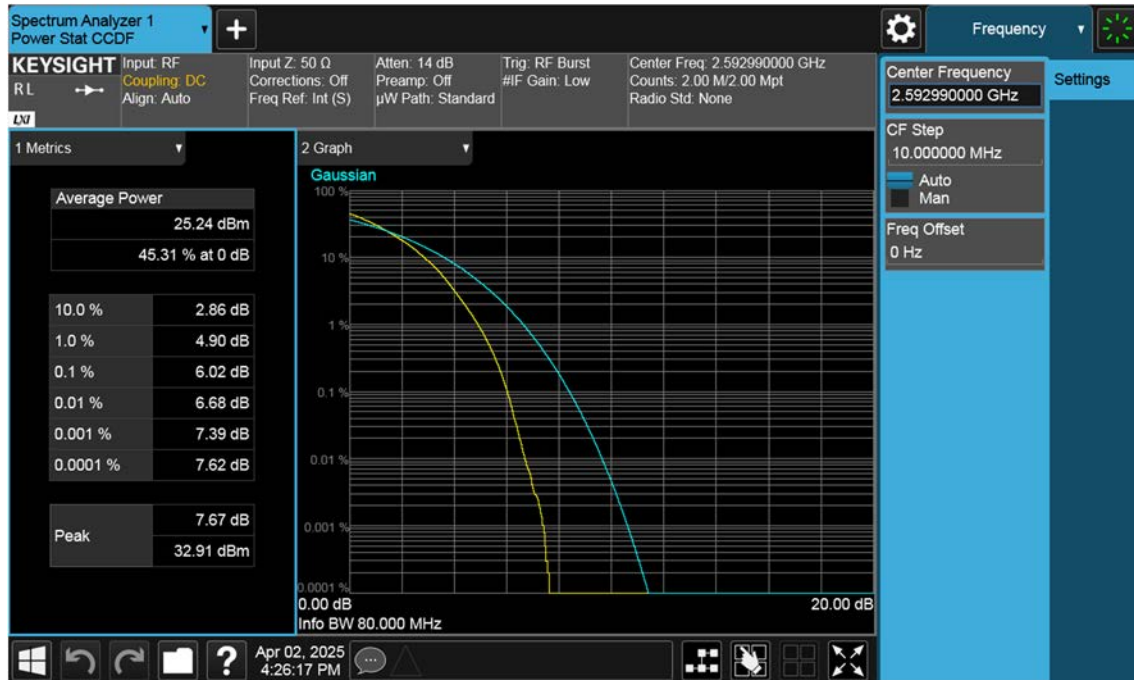
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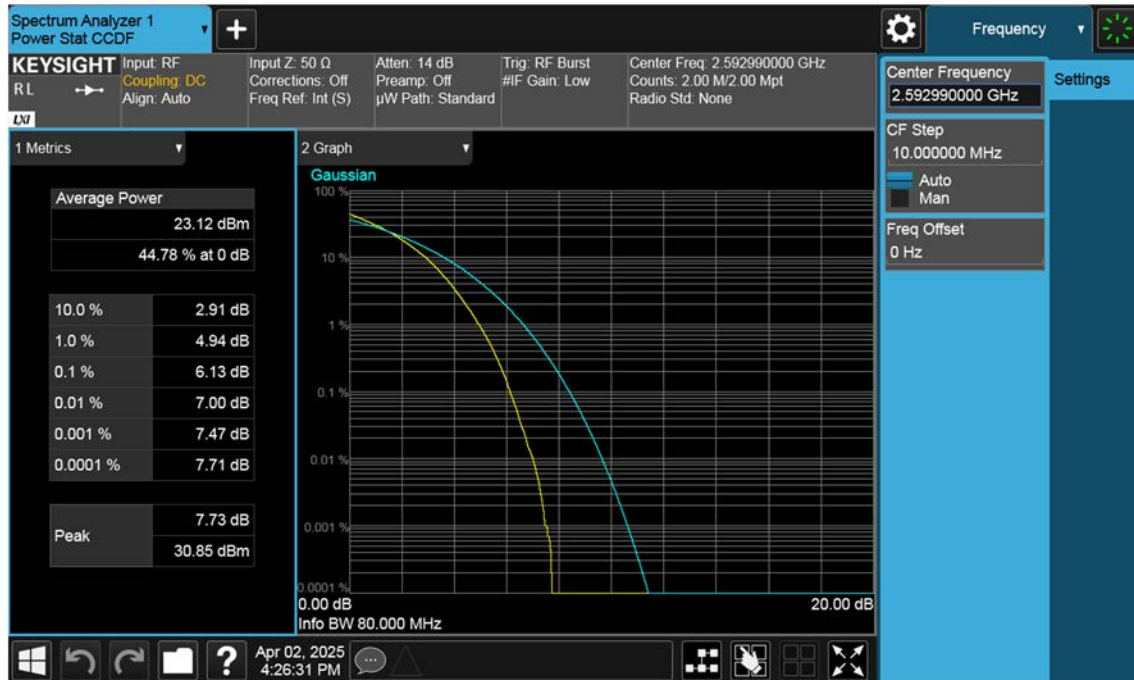
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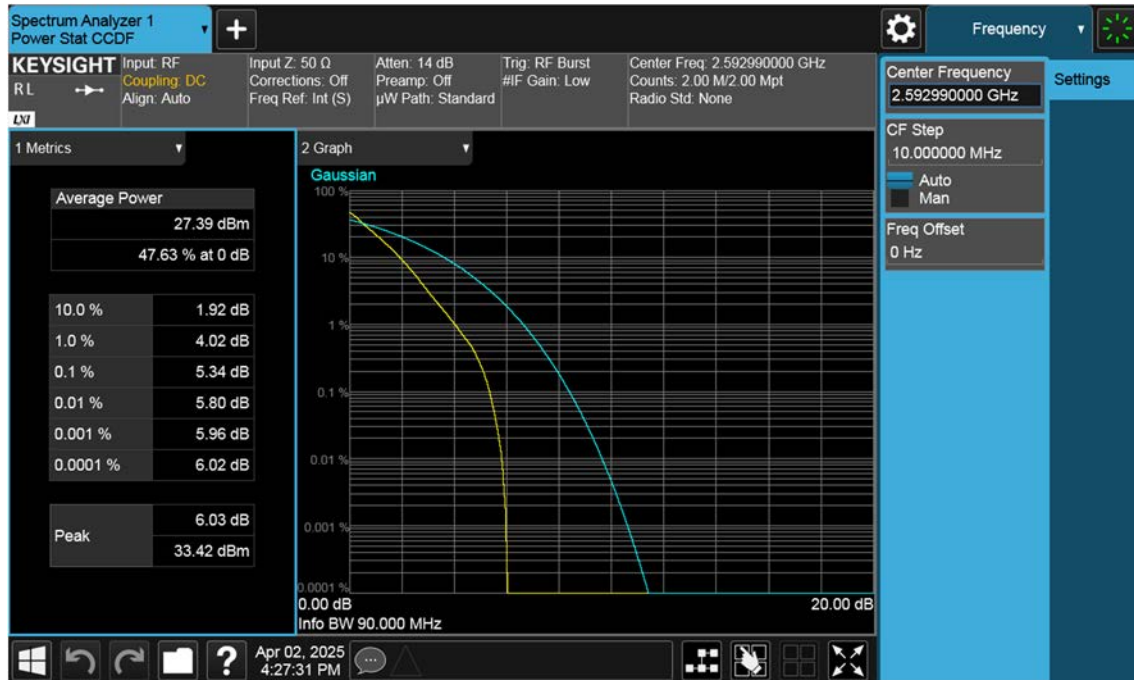
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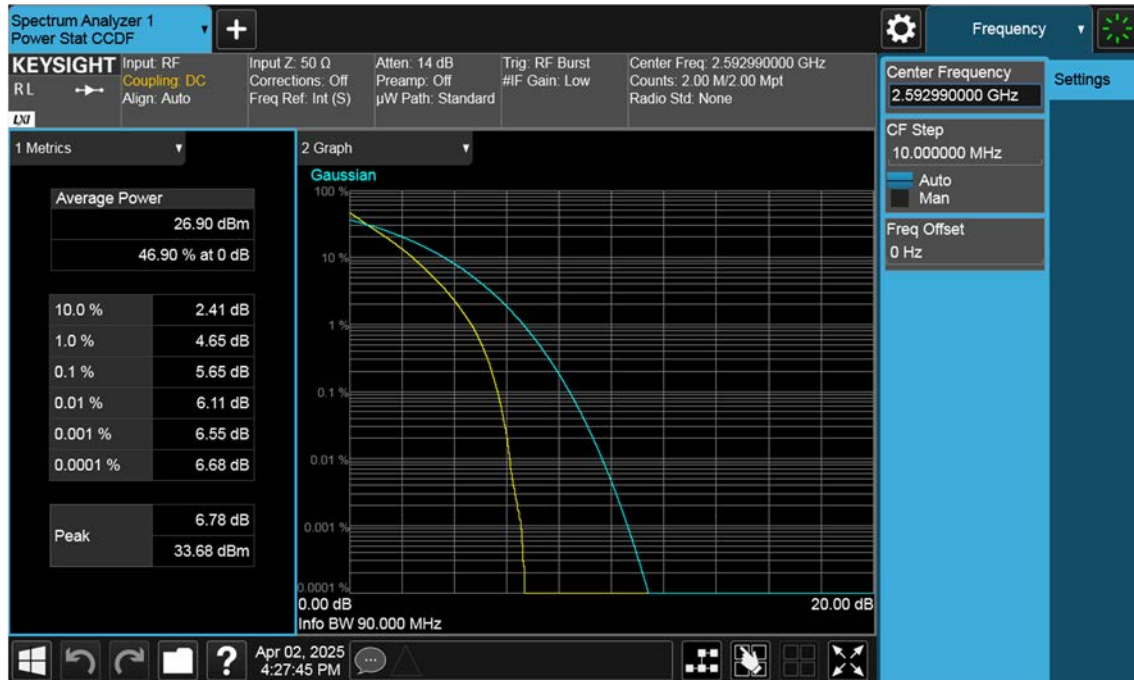
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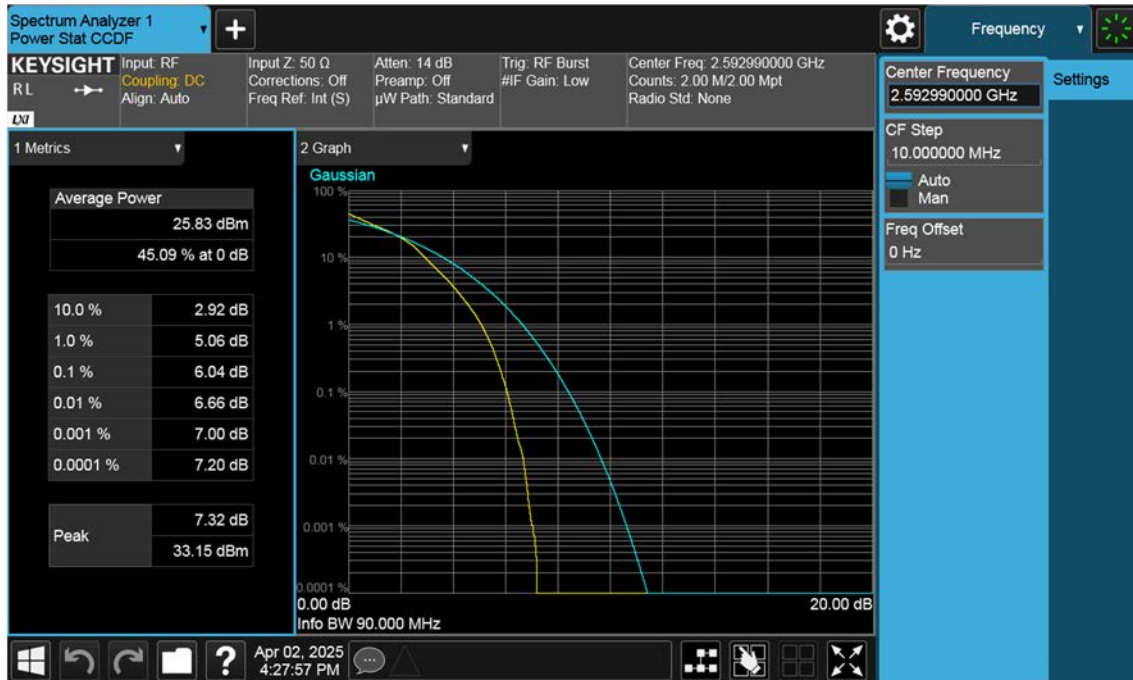
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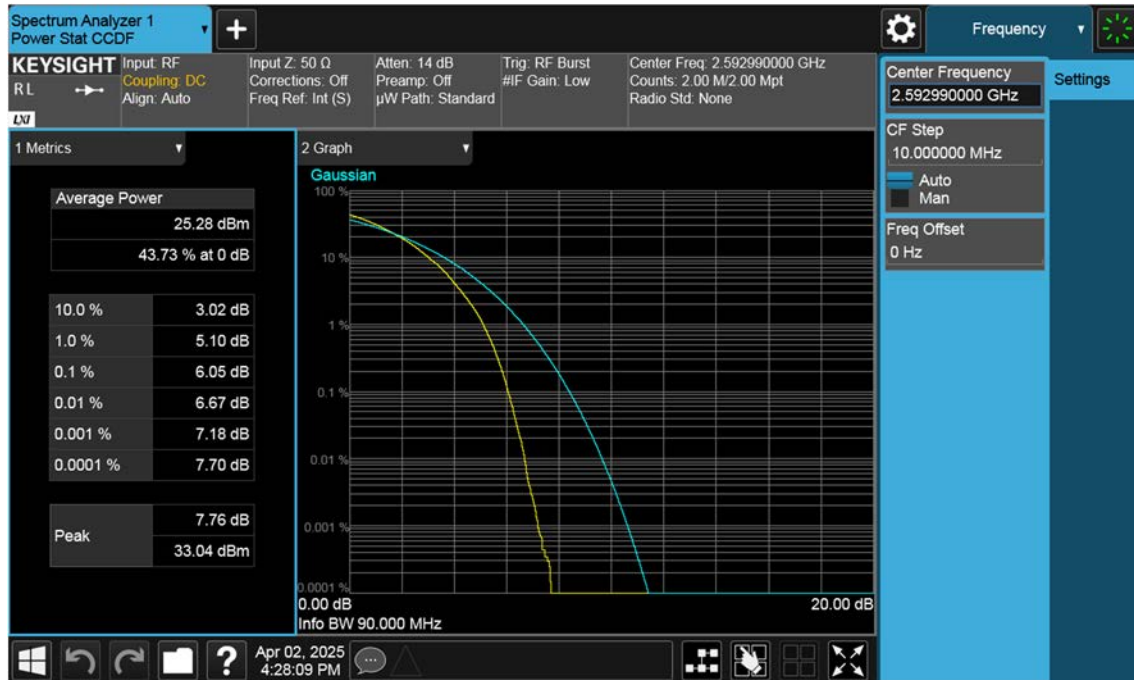
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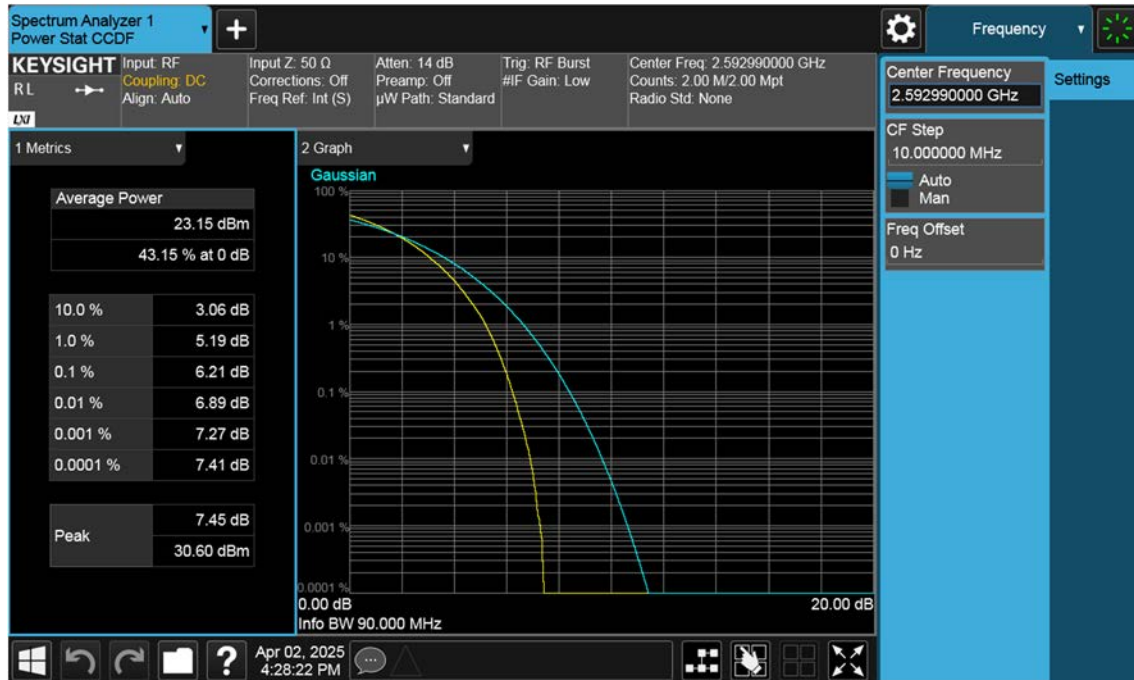
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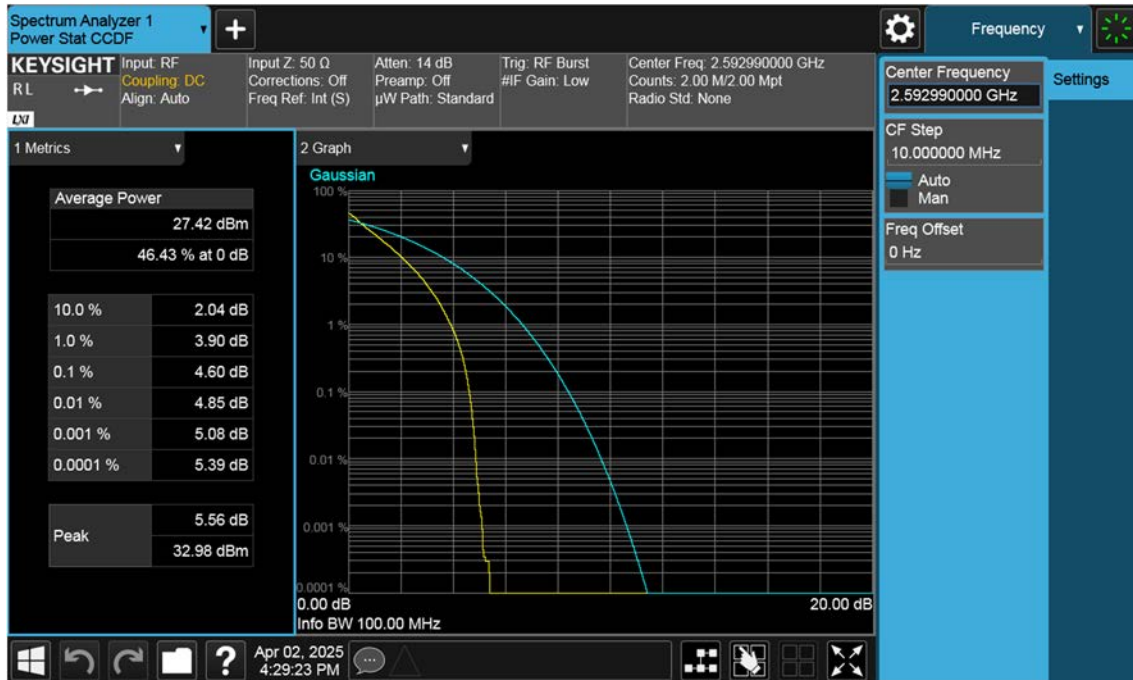
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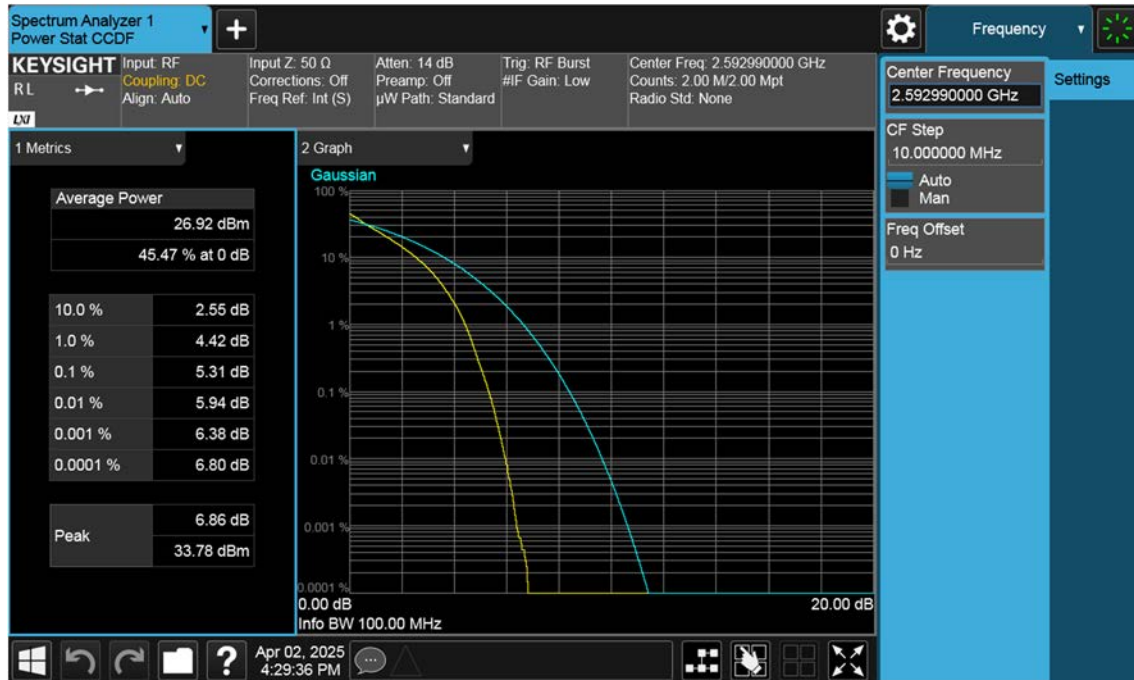
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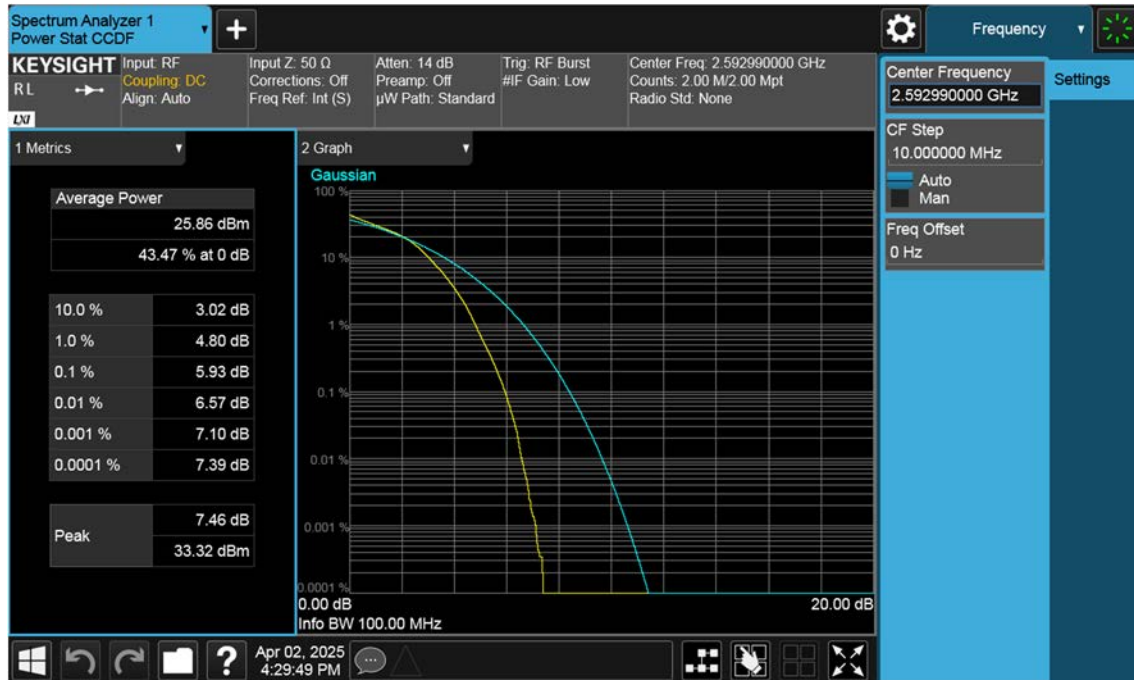
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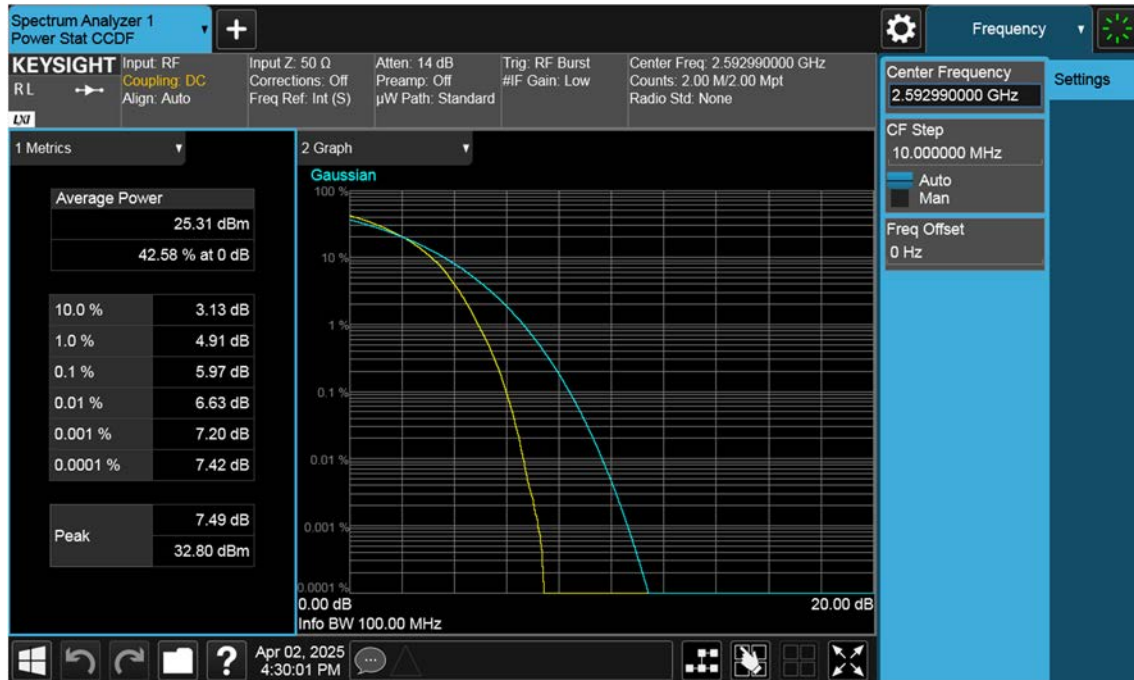
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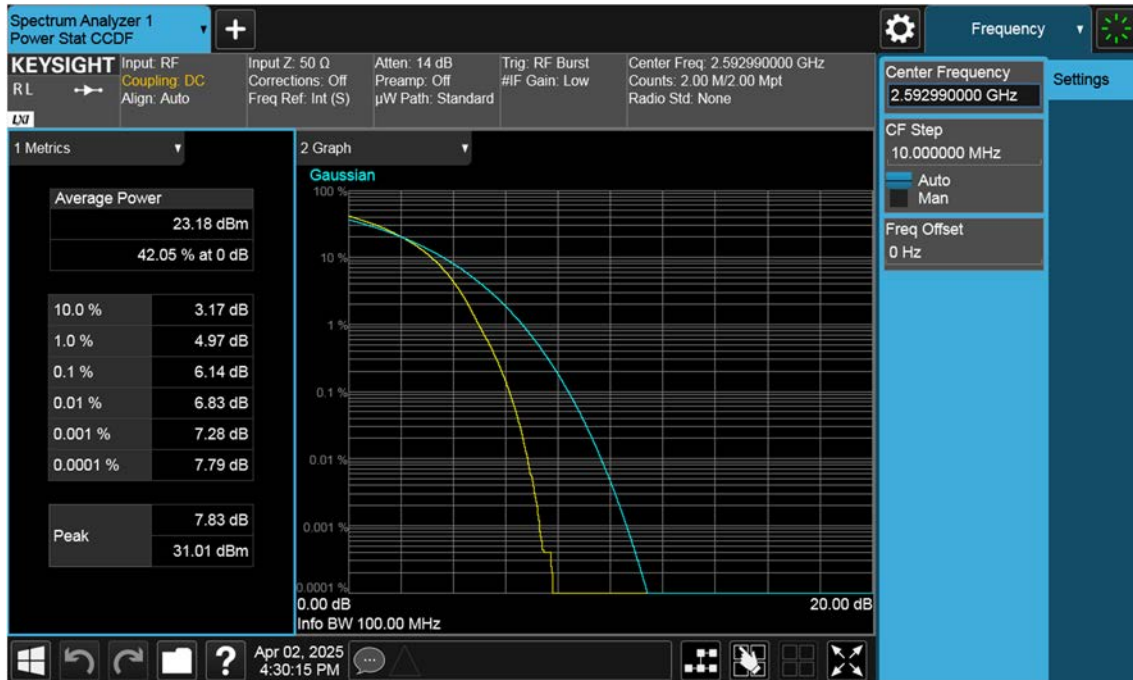
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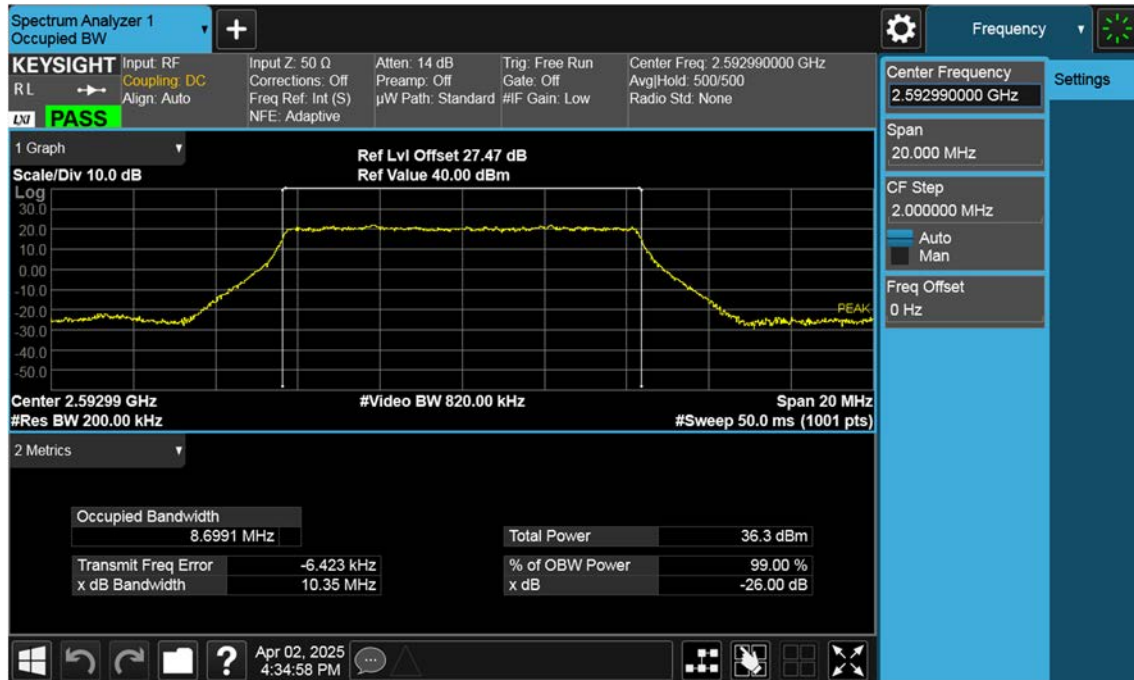
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