

TEST REPORT

FCC Sub6 n41 Test for TM18FNROBM0
Certification

APPLICANT
LG Electronics Inc.

REPORT NO.
HCT-RF-2507-FC093

DATE OF ISSUE
July 22, 2025

Tested by
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Accredited by KOLAS, Republic of KOREA

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July 22, 2025

Applicant	LG Electronics Inc. 128, Yeoui-daero, Yeongdeungpo-gu, Seoul, Republic of Korea
Product Name Model Name	Telematics TM18FNROBM0
Date of Test	May 16, 2025 ~ July 22, 2025
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 ID	2B03LTM18FNROBM0
FCC Classification	PCS Licensed Transmitter (PCB)
Test Standard Used	FCC Rule Part(s) : § 27
Test Results	PASS

REVISION HISTORY

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

Revision No.	Date of Issue	Description
0	July 22, 2025	Initial Release

Notice

Content

The measurements shown in this report were made in accordance with the procedures specified in CFR47 section § 2.947. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them.

HCT CO., LTD. Certifies that no party to this application has subject to a denial of Federal benefits that includes FCC benefits pursuant to section 5301 of the Anti-Drug Abuse Act of 1998, 21 U.S.C. 853(a)

The results shown in this test report only apply to the sample(s), as received, provided by the applicant, unless otherwise stated.

The test results have only been applied with the test methods required by the standard(s).

The laboratory is not accredited for the test results marked *.

Information provided by the applicant is marked **.

Test results provided by external providers are marked ***.

When confirmation of authenticity of this test report is required, please contact www.hct.co.kr

This test report provides test result(s) under the scope accredited by the Korea Laboratory Accreditation Scheme (KOLAS), which signed the ILAC-MRA.

(KOLAS (KS Q ISO/IEC 17025) Accreditation No. KT197)

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MEASUREMENT REPORT

1. GENERAL INFORMATION

Model(s):	TM18FNROBM0
Voltage:	4.2V
SCS(kHz):	30
Bandwidth(MHz):	10, 15, 20, 30, 40, 50, 60, 70, 80, 90, 100
Waveform:	CP-OFDM, DFT-S-OFDM
Modulation:	DFT-S-OFDM: PI/2 BPSK, QPSK, 16 QAM, 64 QAM, 256 QAM CP-OFDM: QPSK, 16 QAM, 64 QAM, 256 QAM
Tx Frequency:	2501.010 – 2685.000 : 10 MHz(Sub6 n41) 2503.500 – 2682.480 : 15 MHz(Sub6 n41) 2506.020 – 2679.990 : 20 MHz(Sub6 n41) 2511.000 – 2674.980 : 30 MHz(Sub6 n41) 2516.010 – 2670.000 : 40 MHz(Sub6 n41) 2521.020 – 2664.990 : 50 MHz(Sub6 n41) 2526.000 – 2659.980 : 60 MHz(Sub6 n41) 2531.010 – 2655.000 : 70 MHz(Sub6 n41) 2536.020 – 2649.990 : 80 MHz(Sub6 n41) 2541.000 – 2644.980 : 90 MHz(Sub6 n41) 2546.010 – 2640.000 : 100 MHz(Sub6 n41)
EUT Serial number:	Radiated : BMW ICON-25SF Radiated #5 Conducted : BMW ICON-25SF Conducted #17
Antenna Information	Please refer to the Antenna Specification document.

1.1. SUPPORTED BANDS PER ANTENNA PORT

Antenna Port	Supported bands
MIMO 1	- GSM850, 1900 - WCDMA: B2, 4, 5 - LTE: B4, 7, 12(17), 25(2), 26(5), 41(38), 42 - NR: n7, 41, 77(78) - ULCA: 7C
MIMO 2	- LTE: B42 - NR: n77(78)
MIMO 3	Only RX
MIMO 4	Only RX
Int. BUA (Back Up Antenna)	- GSM850, 1900 - WCDMA: B2, 4, 5 - LTE: B4, 7, 25(2), 26(5), 41(38) - NR: n7, 41 - ULCA: 7C

Note:

1. Since the Int. BUA uses the same antenna port as MIMO1, only radiated testing was performed.

1.2 MAXIMUM OUTPUT POWER

Mode (MHz)	Tx Frequency (MHz)	Emission Designator	Modulation	Conducted Output Power	
				Max. Power (W)	Max. Power (dBm)
Sub6 n41 (10)	2501.010 – 2685.000	8M62G7D	PI/2 BPSK	0.308	24.88
		8M64G7D	QPSK	0.303	24.81
		8M61W7D	16QAM	0.232	23.65
		8M58W7D	64QAM	0.176	22.45
		8M57W7D	256QAM	0.108	20.32
Sub6 n41 (15)	2503.500 – 2682.480	12M9G7D	PI/2 BPSK	0.309	24.9
		13M0G7D	QPSK	0.305	24.85
		13M0W7D	16QAM	0.229	23.6
		12M9W7D	64QAM	0.173	22.38
		12M9W7D	256QAM	0.111	20.45
Sub6 n41 (20)	2506.020 – 2679.990	17M9G7D	PI/2 BPSK	0.315	24.98
		17M9G7D	QPSK	0.309	24.9
		17M9W7D	16QAM	0.228	23.58
		17M9W7D	64QAM	0.178	22.5
		17M9W7D	256QAM	0.104	20.17
Sub6 n41 (30)	2511.000 – 2674.980	26M9G7D	PI/2 BPSK	0.313	24.95
		27M0G7D	QPSK	0.305	24.85
		26M9W7D	16QAM	0.235	23.71
		26M9W7D	64QAM	0.175	22.43
		26M8W7D	256QAM	0.110	20.42
Sub6 n41 (40)	2516.010 – 2670.000	35M8G7D	PI/2 BPSK	0.309	24.90
		35M8G7D	QPSK	0.305	24.84
		35M8W7D	16QAM	0.236	23.73
		36M0W7D	64QAM	0.175	22.43
		35M8W7D	256QAM	0.106	20.27
Sub6 n41 (50)	2521.020 – 2664.990	45M9G7D	PI/2 BPSK	0.307	24.87
		45M7G7D	QPSK	0.301	24.78
		45M5W7D	16QAM	0.245	23.89
		45M8W7D	64QAM	0.166	22.19
		45M9W7D	256QAM	0.099	19.94
Sub6 n41 (60)	2526.000 – 2659.980	57M9G7D	PI/2 BPSK	0.308	24.88
		58M0G7D	QPSK	0.303	24.82
		58M1W7D	16QAM	0.219	23.41
		57M8W7D	64QAM	0.170	22.31
		58M0W7D	256QAM	0.098	19.93
Sub6 n41 (70)	2531.010 – 2655.000	64M7G7D	PI/2 BPSK	0.306	24.86
		64M6G7D	QPSK	0.296	24.72
		64M4W7D	16QAM	0.206	23.14
		64M7W7D	64QAM	0.155	21.90
		64M8W7D	256QAM	0.096	19.84

Mode (MHz)	Tx Frequency (MHz)	Emission Designator	Modulation	Conducted Output Power	
				Max. Power (W)	Max. Power (dBm)
Sub6 n41 (80)	2536.020 – 2649.990	77M3G7D	PI/2 BPSK	0.303	24.82
		77M5G7D	QPSK	0.296	24.72
		77M2W7D	16QAM	0.204	23.09
		77M4W7D	64QAM	0.150	21.77
		77M3W7D	256QAM	0.100	19.99
Sub6 n41 (90)	2541.000 – 2644.980	86M8G7D	PI/2 BPSK	0.301	24.78
		87M0G7D	QPSK	0.294	24.69
		87M2W7D	16QAM	0.206	23.13
		86M8W7D	64QAM	0.149	21.73
		87M0W7D	256QAM	0.099	19.94
Sub6 n41 (100)	2546.010 – 2640.000	96M8G7D	PI/2 BPSK	0.294	24.69
		97M0G7D	QPSK	0.292	24.65
		97M0W7D	16QAM	0.211	23.24
		96M7W7D	64QAM	0.158	22.00
		96M5W7D	256QAM	0.101	20.04

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.

Detailed description of test facility was submitted to the Commission and accepted dated March 11, 2024 (Registration Number: KR0032).

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;

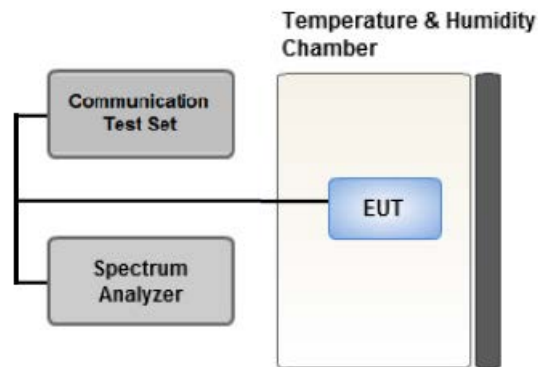
$$\text{Result}_{(\text{dBm})} = P_g_{(\text{dBm})} - \text{cable loss}_{(\text{dB})} + \text{antenna gain}_{(\text{dBi})}$$

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



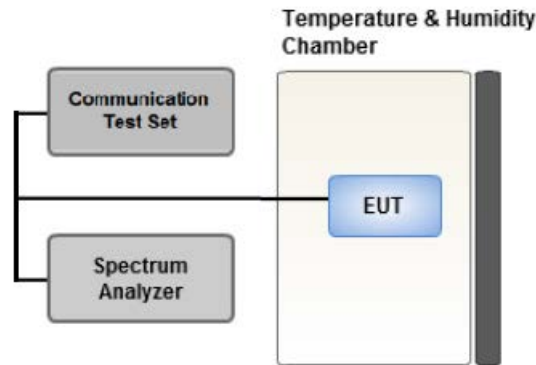
Test setup

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 %.

3.5 OCCUPIED BANDWIDTH.



Test setup

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

The EUT makes a call to the communication simulator.

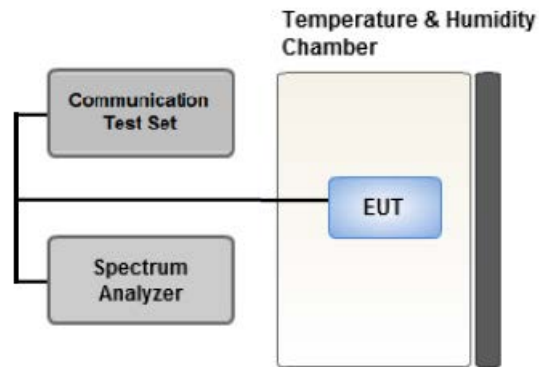
The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.

The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth

Test Settings

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

3.6 SPURIOUS AND HARMONIC EMISSIONS AT ANTENNA TERMINAL



Test setup

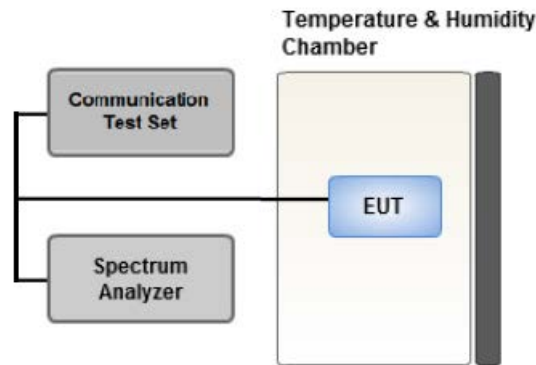
Test Overview

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

Test Settings

1. RBW = 1 MHz
2. VBW $\geq$ 3 MHz
3. Detector = Peak
4. Trace Mode = Max Hold
5. Sweep time = auto
6. Number of points in sweep $\geq$ 2 x Span / RBW

3.7 CHANNEL EDGE



Test setup

Test Overview

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

Test Settings

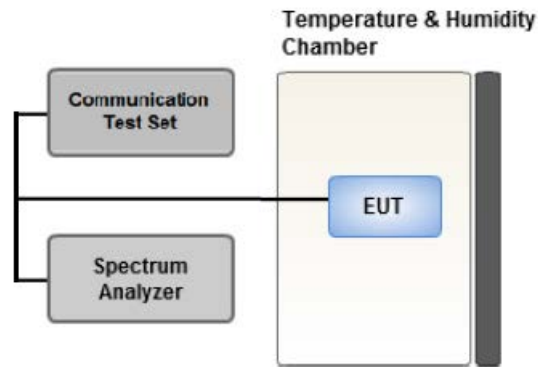
1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. Within 1MHz of the channel edge the RBW should be 2 % of EBW, then 1 MHz after that.
4. $VBW > 3 \times RBW$
5. Detector = RMS
6. Number of sweep points $\geq 2 \times \text{Span}/RBW$
7. Trace mode = trace average
8. Sweep time $> \text{Number of points in sweep} \times \text{Symbol period}$ (i.e., the transmit on-time + the off-time)
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)

- The EUT was tested in three orthogonal planes(X, Y, Z) and in all possible test configurations and positioning.
- The worst case is reported with the EUT positioning, modulations, and paging service configurations shown in the test data.
- All modes of operation were investigated and the worst case configuration results are reported.

Mode: SA Only

- 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.
- MIMO3 and MIMO4 have three types of Rx antennas. Operating modes were investigated for all Rx antennas, and the worst-case configuration results were reported.

(Worst-case: FSA antenna)

[External(MIMO1) 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		Z
Radiated Spurious Emissions	PI/2 BPSK	See Section 8.2		Z

[Internal(BUA) 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		Z
Radiated Spurious Emissions	PI/2 BPSK	See Section 9.2		Z

3.10 WORST CASE(CONDUCTED TEST)

- Waveform : All Waveform of operation were investigated and the worst case configuration results are reported. (Worst case: DFT-S-OFDM)
- Modulation : All Modulation of operation were investigated and the worst case configuration results are reported. (Worst case: PI/2 BPSK)
- All modes of operation were investigated and the worst case configuration results are reported.
Mode: SA Only
- All RB sizes, offsets of operation were investigated and the worst case configuration results are reported. Please refer to the table below.
- Both 85% and 115% conditions were measured for the Frequency Stability test, and results for the worst-case configuration (85%) were reported.
- In accordance with the customer's specification of 3.7V as the lowest operating voltage, testing was performed at 3.7V instead of 85% (3.57V).

[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, 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
		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, 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, 30, 40, 50, 60, 70, 80, 90, 100	Low, Mid, High	1	1

4. LIST OF TEST EQUIPMENT

[Radiated]

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
RF Switch System	FBSR-04C(3G HPF+LNA)	TNM System	S4L1	03/12/2026	Annual
RF Switch System	FBSR-04C(7G HPF+LNA)	TNM System	S4L5	03/12/2026	Annual
RF Switch System	FBSR-04C(LNA)	TNM System	S4L4	03/12/2026	Annual
RF Switch System	FBSR-04C(Thru)	TNM System	S4L6	03/12/2026	Annual
Antenna Position Tower	MA4640	Innco systems	S4AM	08/07/2025	Annual
Turn Table	DS2000-S	Innco systems	N/A	N/A	-
Controller (Antenna mast & Turn Table)	CO3000	Innco systems	CO3000/1251/48920320/P	N/A	-
Amp & Filter Bank Switch Controller	FBSM-01B	TNM system	TM20090002	N/A	-
RF Switching System	Switch box(1 G HPF+LNA)	HCT CO., LTD.,	F2L2	12/12/2025	Annual
RF Switching System	Switch box(3 G HPF+LNA)	HCT CO., LTD.,	F2L3	12/12/2025	Annual
RF Switching System	Switch box(LNA)	HCT CO., LTD.,	F2L5	12/12/2025	Annual
RF Switching System	Switch box(6 G HPF+LNA)	HCT CO., LTD.,	F2L14	12/12/2025	Annual
HIGHPASS FILTER	WHKX10-900-1000-15000-40SS	WAINWRIGHT INSTRUMENTS	16	07/24/2025	Annual
LOW NOISE AMPLIFIER	310N	SONOMA Instrument	186169	02/05/2026	Annual
LOW NOISE AMPLIFIER	TK-PA1840H	TESTEK	170011-L	10/11/2025	Annual
Power Amplifier	CBL18265035	CERNEX	22966	11/07/2025	Annual
Power Amplifier	CBL26405040	CERNEX	25956	02/19/2026	Annual
Power Splitter(DC ~ 26.5 GHz)	11667B	Hewlett Packard	5001	04/10/2026	Annual
DC Power Supply	E3632A	Agilent	MY40010147	08/06/2025	Annual
Dipole Antenna	UHAP	Schwarzbeck	01274	03/10/2026	Biennial
Dipole Antenna	UHAP	Schwarzbeck	01288	08/07/2026	Biennial
Horn Antenna(1 ~ 18 GHz)	BBHA 9120D	Schwarzbeck	03197	11/28/2025	Biennial
Horn Antenna(1 ~ 18 GHz)	BBHA 9120D	Schwarzbeck	03201	11/28/2025	Biennial
Horn Antenna(1 ~ 18 GHz)	BBHA 9120	Schwarzbeck	937	02/07/2027	Biennial
Horn Antenna(15 ~ 40 GHz)	BBHA 9170	Schwarzbeck	BBHA9170124	03/23/2027	Biennial
Horn Antenna(15 ~ 40 GHz)	BBHA 9170	Schwarzbeck	BBHA9170342	09/20/2026	Biennial

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
Spectrum Analyzer(10 Hz ~ 40 GHz)	FSV40	ROHDE & SCHWARZ	101733	09/19/2025	Annual
Spectrum Analyzer(10 Hz ~ 40 GHz)	FSV40	REOHDE & SCHWARZ	101436	02/04/2026	Annual
Signal & Spectrum Analyzer (2 Hz~67 GHz)	FSW67	REOHDE & SCHWARZ	101736	05/27/2026	Annual
Base Station	8960 (E5515C)	Agilent	MY48360800	08/05/2025	Annual
Loop Antenna(9 kHz ~ 30 MHz)	FMZB1513	Schwarzbeck	1513-333	03/07/2026	Biennial
Trilog Broadband Antenna	VULB 9168	Schwarzbeck	9168-0895	08/28/2026	Biennial
Trilog Broadband Antenna	VULB9168	Schwarzbeck	895	08/28/2026	Biennial
Trilog Broadband Antenna	VULB9168	Schwarzbeck	1135	08/19/2026	Biennial
Wideband Radio Communication Tester	MT8821C	Anritsu Corp.	6262287701	05/14/2026	Annual
Wideband Radio Communication Tester	MT8000A	Anritsu Corp.	6272613402	08/28/2025	Annual
SIGNAL GENERATOR (100 kHz ~ 40 GHz)	SMB100A	REOHDE & SCHWARZ	177633	07/26/2025	Annual
Automation Software	FCC 2G/3G/4G Conducted	HCT CO., LTD	–	–	–
Automation Software	FCC NR Conducted	HCT CO., LTD	–	–	–

[Conducted]

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
Power Splitter (DC ~ 26.5 GHz)	11667B	Hewlett Packard	5001	04/10/2026	Annual
DC Power Supply	E3632A	Agilent	MY40010147	08/06/2025	Annual
Chamber	SU-642	ESPEC	93008124	02/11/2026	Annual
ATTENUATOR (20 dB)	8493C	Hewlett Packard	17280	04/10/2026	Annual
Base Station	8960 (E5515C)	Agilent	MY48360800	08/05/2025	Annual
Wideband Radio Communication Tester	MT8821C	Anritsu Corp.	6262094331	11/13/2025	Annual
UXM 5G Wireless Test Platform	E7515B	KEYSIGHT	MY60101126	02/10/2026	Annual
Signal Analyzer (2 Hz ~ 50.0 GHz)	N9030B	KEYSIGHT	MY56320554	02/03/2026	Annual
FCC LTE Mobile Conducted RF Automation Test Software	-	HCT CO., LTD.	-	-	-
Automation Software	FCC 2G/3G/4G Conducted	HCT CO., LTD	-	-	-
Automation Software	FCC NR Conducted	HCT CO., LTD	-	-	-

Note:

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

5. MEASUREMENT UNCERTAINTY

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

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

Parameter	Expanded Uncertainty ($\pm$ kHz)
Occupied Bandwidth	95 (Confidence level about 95 %, $k=2$)
Frequency stability	28 (Confidence level about 95 %, $k=2$)

Parameter	Expanded Uncertainty ($\pm$ dB)
Block Edge	0.70 (Confidence level about 95 %, $k=2$)
Conducted Spurious Emissions	1.18 (Confidence level about 95 %, $k=2$)
Peak- to- Average Ratio	0.68 (Confidence level about 95 %, $k=2$)
Radiated Power	4.74 (Confidence level about 95 %, $k=2$)
Radiated Disturbance (9 kHz ~ 30 MHz)	4.36 (Confidence level about 95 %, $k=2$)
Radiated Disturbance (30 MHz ~ 1 GHz)	5.68 (Confidence level about 95 %, $k=2$)
Radiated Disturbance (1 GHz ~ 18 GHz)	5.75 (Confidence level about 95 %, $k=2$)
Radiated Disturbance (18 GHz ~ 40 GHz)	5.82 (Confidence level about 95 %, $k=2$)
Radiated Disturbance (Above 40 GHz)	5.58 (Confidence level about 95 %, $k=2$)

6. SUMMARY OF TEST RESULTS

- The decision rule applies 'simple acceptance'

6.1 Test Condition : Conducted Test

Test Description	FCC Part Section(s)	Test Limit	Test Result
Occupied Bandwidth	§ 2.1049	N/A	PASS
Band Edge / Spurious and Harmonic Emissions at Antenna Terminal.	§ 2.1051, § 27.53(m)(4)	■ $< 40 + 10\log_{10} (P[\text{Watts}])$ at Channel edges ■ $< 43 + 10\log_{10} (P[\text{Watts}])$ between 5 and X MHz from Channel edges ■ $< 55 + 10\log_{10} (P[\text{Watts}])$ beyond X MHz beyond from Channel edges ■ $< 43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz	PASS
Conducted Output Power	§ 2.1046	N/A	Note ¹
Frequency stability / variation of ambient temperature	§ 2.1055, § 27.54	Emission must remain in band	PASS

Note:

1. Refer to the SAR report.
2. All conducted tests were tested using 5G Wireless Tester.

6.2 Test Condition : Radiated Test

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

Note:

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

7. SAMPLE CALCULATION

7.1 ERP Sample Calculation

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

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

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

7.2 EIRP Sample Calculation

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

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

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

7.3. Emission Designator

GSM Emission Designator

Emission Designator = 249KGXW

GSM BW = 249 kHz

G = Phase Modulation

X = Cases not otherwise covered

W = Combination (Audio/Data)

EDGE Emission Designator

Emission Designator = 249KG7W

GSM BW = 249 kHz

G = Phase Modulation

7 = Quantized/Digital Info

W = Combination (Audio/Data)

WCDMA Emission Designator

Emission Designator = 4M17F9W

WCDMA BW = 4.17 MHz

F = Frequency Modulation

9 = Composite Digital Info

W = Combination (Audio/Data)

QPSK Modulation

Emission Designator = 4M48G7D

LTE BW = 4.48 MHz

G = Phase Modulation

7 = Quantized/Digital Info

D = Data transmission; telemetry; telecommand

QAM Modulation

Emission Designator = 4M48W7D

LTE BW = 4.48 MHz

W = Amplitude/Angle Modulated

7 = Quantized/Digital Info

D = Data transmission; telemetry; telecommand

8. TEST DATA (MIMO1)

8.1 EQUIVALENT ISOTROPIC RADIATED POWER

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2501.010	Sub6 n41 / 10 MHz [30 kHz]	PI/2 BPSK	-23.89	14.46	10.27	2.50	V	< 2.00	0.167	22.23	1	12
		QPSK	-24.28	14.07	10.27	2.50	V		0.153	21.84		
		16-QAM	-25.08	13.27	10.27	2.50	V		0.127	21.04		
		64-QAM	-26.67	11.68	10.27	2.50	V		0.088	19.45		
		256-QAM	-28.70	9.65	10.27	2.50	V		0.055	17.42		
2592.990		PI/2 BPSK	-25.25	13.76	10.30	2.55	V		0.142	21.51	1	1
		QPSK	-25.86	13.15	10.30	2.55	V		0.123	20.90		
		16-QAM	-26.34	12.67	10.30	2.55	V		0.110	20.42		
		64-QAM	-28.32	10.69	10.30	2.55	V		0.070	18.44		
		256-QAM	-29.79	9.22	10.30	2.55	V		0.050	16.97		
2685.000		PI/2 BPSK	-28.78	10.18	10.59	2.61	V		0.065	18.16	1	22
		QPSK	-29.22	9.74	10.59	2.61	V		0.059	17.72		
		16-QAM	-30.05	8.91	10.59	2.61	V		0.049	16.89		
		64-QAM	-31.84	7.12	10.59	2.61	V		0.032	15.10		
		256-QAM	-33.72	5.24	10.59	2.61	V		0.021	13.22		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2503.500	Sub6 n41 / 15 MHz [30 kHz]	PI/2 BPSK	-23.60	14.85	10.26	2.51	V	< 2.00	0.182	22.60	1	36
		QPSK	-23.83	14.62	10.26	2.51	V		0.173	22.37		
		16-QAM	-24.44	14.01	10.26	2.51	V		0.150	21.76		
		64-QAM	-26.37	12.08	10.26	2.51	V		0.096	19.83		
		256-QAM	-28.07	10.38	10.26	2.51	V		0.065	18.13		
2592.990		PI/2 BPSK	-25.49	13.52	10.30	2.55	V		0.134	21.27	1	1
		QPSK	-25.81	13.20	10.30	2.55	V		0.124	20.95		
		16-QAM	-26.37	12.64	10.30	2.55	V		0.109	20.39		
		64-QAM	-28.00	11.01	10.30	2.55	V		0.075	18.76		
		256-QAM	-29.51	9.50	10.30	2.55	V		0.053	17.25		
2682.480		PI/2 BPSK	-28.89	10.06	10.58	2.61	V		0.064	18.03	1	1
		QPSK	-29.36	9.59	10.58	2.61	V		0.057	17.56		
		16-QAM	-29.91	9.04	10.58	2.61	V		0.050	17.01		
		64-QAM	-31.61	7.34	10.58	2.61	V		0.034	15.31		
		256-QAM	-33.44	5.51	10.58	2.61	V		0.022	13.48		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2506.020	Sub6 n41 / 20 MHz [30 kHz]	PI/2 BPSK	-23.29	15.16	10.26	2.51	V	< 2.00	0.195	22.91	1	49
		QPSK	-23.48	14.97	10.26	2.51	V		0.187	22.72		
		16-QAM	-24.39	14.06	10.26	2.51	V		0.152	21.81		
		64-QAM	-25.92	12.53	10.26	2.51	V		0.107	20.28		
		256-QAM	-27.51	10.94	10.26	2.51	V		0.074	18.69		
2592.990		PI/2 BPSK	-25.33	13.68	10.30	2.55	V		0.139	21.43	1	1
		QPSK	-25.58	13.43	10.30	2.55	V		0.131	21.18		
		16-QAM	-26.19	12.82	10.30	2.55	V		0.114	20.57		
		64-QAM	-27.64	11.37	10.30	2.55	V		0.082	19.12		
		256-QAM	-29.22	9.79	10.30	2.55	V		0.057	17.54		
2679.990		PI/2 BPSK	-28.97	9.98	10.58	2.61	V		0.062	17.95	1	49
		QPSK	-29.51	9.44	10.58	2.61	V		0.055	17.41		
		16-QAM	-30.36	8.59	10.58	2.61	V		0.045	16.56		
		64-QAM	-31.78	7.17	10.58	2.61	V		0.033	15.14		
		256-QAM	-33.09	5.86	10.58	2.61	V		0.024	13.83		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2511.000	Sub6 n41 / 30 MHz [30 kHz]	PI/2 BPSK	-23.25	15.28	10.26	2.51	V	< 2.00	0.201	23.03	1	76
		QPSK	-23.26	15.27	10.26	2.51	V		0.200	23.02		
		16-QAM	-24.14	14.39	10.26	2.51	V		0.164	22.14		
		64-QAM	-25.86	12.67	10.26	2.51	V		0.110	20.42		
		256-QAM	-27.32	11.21	10.26	2.51	V		0.079	18.96		
2592.990		PI/2 BPSK	-24.80	14.21	10.30	2.55	V		0.157	21.96	1	1
		QPSK	-25.30	13.71	10.30	2.55	V		0.140	21.46		
		16-QAM	-25.81	13.20	10.30	2.55	V		0.124	20.95		
		64-QAM	-27.29	11.72	10.30	2.55	V		0.089	19.47		
		256-QAM	-29.34	9.67	10.30	2.55	V		0.055	17.42		
2674.980		PI/2 BPSK	-28.30	10.66	10.56	2.62	V		0.072	18.60	1	1
		QPSK	-28.38	10.58	10.56	2.62	V		0.071	18.52		
		16-QAM	-29.25	9.71	10.56	2.62	V		0.058	17.65		
		64-QAM	-31.15	7.81	10.56	2.62	V		0.038	15.75		
		256-QAM	-32.99	5.97	10.56	2.62	V		0.025	13.91		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2516.010	Sub6 n41 / 40 MHz [30 kHz]	PI/2 BPSK	-22.85	15.72	10.26	2.53	V	< 2.00	0.221	23.45	1	104
		QPSK	-22.85	15.72	10.26	2.53	V		0.221	23.45		
		16-QAM	-23.93	14.64	10.26	2.53	V		0.173	22.37		
		64-QAM	-25.37	13.20	10.26	2.53	V		0.124	20.93		
		256-QAM	-27.15	11.42	10.26	2.53	V		0.082	19.15		
2592.990		PI/2 BPSK	-24.65	14.36	10.30	2.55	V		0.163	22.11	1	1
		QPSK	-24.90	14.11	10.30	2.55	V		0.153	21.86		
		16-QAM	-25.49	13.52	10.30	2.55	V		0.134	21.27		
		64-QAM	-27.35	11.66	10.30	2.55	V		0.087	19.41		
		256-QAM	-28.88	10.13	10.30	2.55	V		0.061	17.88		
2670.000		PI/2 BPSK	-28.00	10.96	10.55	2.62	V		0.077	18.89	1	1
		QPSK	-28.37	10.59	10.55	2.62	V		0.071	18.52		
		16-QAM	-28.95	10.01	10.55	2.62	V		0.062	17.94		
		64-QAM	-30.82	8.14	10.55	2.62	V		0.040	16.07		
		256-QAM	-32.45	6.51	10.55	2.62	V		0.028	14.44		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2521.020	Sub6 n41 / 50 MHz [30 kHz]	PI/2 BPSK	-23.44	15.16	10.26	2.54	V	< 2.00	0.194	22.88	1	66
		QPSK	-23.51	15.09	10.26	2.54	V		0.191	22.81		
		16-QAM	-24.18	14.42	10.26	2.54	V		0.164	22.14		
		64-QAM	-26.24	12.36	10.26	2.54	V		0.102	20.08		
		256-QAM	-27.69	10.91	10.26	2.54	V		0.073	18.63		
2592.990		PI/2 BPSK	-24.16	14.85	10.30	2.55	V		0.182	22.60	1	1
		QPSK	-24.61	14.40	10.30	2.55	V		0.164	22.15		
		16-QAM	-25.41	13.60	10.30	2.55	V		0.136	21.35		
		64-QAM	-26.59	12.42	10.30	2.55	V		0.104	20.17		
		256-QAM	-28.23	10.78	10.30	2.55	V		0.071	18.53		
2664.990		PI/2 BPSK	-27.97	11.05	10.53	2.64	V		0.078	18.94	1	1
		QPSK	-28.15	10.87	10.53	2.64	V		0.075	18.76		
		16-QAM	-28.55	10.47	10.53	2.64	V		0.069	18.36		
		64-QAM	-30.25	8.77	10.53	2.64	V		0.046	16.66		
		256-QAM	-31.92	7.10	10.53	2.64	V		0.032	14.99		

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	-22.81	15.87	10.25	2.54	V	< 2.00	0.228	23.58	1	82
		QPSK	-23.27	15.41	10.25	2.54	V		0.205	23.12		
		16-QAM	-24.22	14.46	10.25	2.54	V		0.165	22.17		
		64-QAM	-25.62	13.06	10.25	2.54	V		0.119	20.77		
		256-QAM	-27.79	10.89	10.25	2.54	V		0.072	18.60		
2592.990		PI/2 BPSK	-24.28	14.73	10.30	2.55	V		0.177	22.48	1	1
		QPSK	-24.46	14.55	10.30	2.55	V		0.170	22.30		
		16-QAM	-25.25	13.76	10.30	2.55	V		0.142	21.51		
		64-QAM	-27.13	11.88	10.30	2.55	V		0.092	19.63		
		256-QAM	-28.38	10.63	10.30	2.55	V		0.069	18.38		
2659.980		PI/2 BPSK	-28.40	10.69	10.51	2.67	V		0.071	18.53	1	82
		QPSK	-28.55	10.54	10.51	2.67	V		0.069	18.38		
		16-QAM	-28.99	10.10	10.51	2.67	V		0.062	17.94		
		64-QAM	-31.01	8.08	10.51	2.67	V		0.039	15.92		
		256-QAM	-32.81	6.28	10.51	2.67	V		0.026	14.12		

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	-23.10	15.65	10.25	2.54	V	< 2.00	0.217	23.36	1	94
		QPSK	-23.14	15.61	10.25	2.54	V		0.215	23.32		
		16-QAM	-24.30	14.45	10.25	2.54	V		0.164	22.16		
		64-QAM	-25.83	12.92	10.25	2.54	V		0.116	20.63		
		256-QAM	-27.45	11.30	10.25	2.54	V		0.080	19.01		
2592.990		PI/2 BPSK	-24.00	15.01	10.30	2.55	V		0.189	22.76	1	1
		QPSK	-24.12	14.89	10.30	2.55	V		0.184	22.64		
		16-QAM	-25.23	13.78	10.30	2.55	V		0.142	21.53		
		64-QAM	-26.50	12.51	10.30	2.55	V		0.106	20.26		
		256-QAM	-28.79	10.22	10.30	2.55	V		0.063	17.97		
2655.000		PI/2 BPSK	-28.35	10.79	10.50	2.68	V		0.073	18.61	1	94
		QPSK	-28.39	10.75	10.50	2.68	V		0.072	18.57		
		16-QAM	-29.01	10.13	10.50	2.68	V		0.062	17.95		
		64-QAM	-30.95	8.19	10.50	2.68	V		0.040	16.01		
		256-QAM	-32.23	6.91	10.50	2.68	V		0.030	14.73		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2536.020	Sub6 41/ 80 MHz [30 kHz]	PI/2 BPSK	-23.32	15.52	10.25	2.54	V	< 2.00	0.210	23.23	1	108
		QPSK	-23.43	15.41	10.25	2.54	V		0.205	23.12		
		16-QAM	-24.24	14.60	10.25	2.54	V		0.170	22.31		
		64-QAM	-25.96	12.88	10.25	2.54	V		0.115	20.59		
		256-QAM	-27.86	10.98	10.25	2.54	V		0.074	18.69		
2592.990		PI/2 BPSK	-24.35	14.66	10.30	2.55	V		0.174	22.41	1	1
		QPSK	-24.70	14.31	10.30	2.55	V		0.161	22.06		
		16-QAM	-25.32	13.69	10.30	2.55	V		0.139	21.44		
		64-QAM	-26.73	12.28	10.30	2.55	V		0.101	20.03		
		256-QAM	-28.94	10.07	10.30	2.55	V		0.061	17.82		
2649.990		PI/2 BPSK	-27.56	11.64	10.48	2.69	V		0.088	19.43	1	108
		QPSK	-27.70	11.50	10.48	2.69	V		0.085	19.29		
		16-QAM	-28.63	10.57	10.48	2.69	V		0.069	18.36		
		64-QAM	-30.64	8.56	10.48	2.69	V		0.043	16.35		
		256-QAM	-32.18	7.02	10.48	2.69	V		0.030	14.81		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2541.000	Sub6 41/ 90 MHz [30 kHz]	PI/2 BPSK	-23.47	15.44	10.25	2.53	V	< 2.00	0.207	23.16	1	122
		QPSK	-23.82	15.09	10.25	2.53	V		0.191	22.81		
		16-QAM	-26.28	12.63	10.25	2.53	V		0.108	20.35		
		64-QAM	-25.82	13.09	10.25	2.53	V		0.121	20.81		
		256-QAM	-27.92	10.99	10.25	2.53	V		0.074	18.71		
2592.990		PI/2 BPSK	-24.66	14.35	10.30	2.55	V		0.162	22.10	1	1
		QPSK	-24.85	14.16	10.30	2.55	V		0.155	21.91		
		16-QAM	-25.70	13.31	10.30	2.55	V		0.128	21.06		
		64-QAM	-27.09	11.92	10.30	2.55	V		0.093	19.67		
		256-QAM	-29.05	9.96	10.30	2.55	V		0.059	17.71		
2644.980		PI/2 BPSK	-27.11	12.11	10.47	2.68	V		0.098	19.90	1	122
		QPSK	-27.63	11.59	10.47	2.68	V		0.087	19.38		
		16-QAM	-30.77	8.45	10.47	2.68	V		0.042	16.24		
		64-QAM	-30.12	9.10	10.47	2.68	V		0.049	16.89		
		256-QAM	-31.54	7.68	10.47	2.68	V		0.035	15.47		

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
2546.010	Sub6 41/ 100 MHz [30 kHz]	PI/2 BPSK	-23.67	15.29	10.25	2.53	V	< 2.00	0.200	23.01	1	136
		QPSK	-23.90	15.06	10.25	2.53	V		0.190	22.78		
		16-QAM	-24.74	14.22	10.25	2.53	V		0.156	21.94		
		64-QAM	-26.23	12.73	10.25	2.53	V		0.111	20.45		
		256-QAM	-28.00	10.96	10.25	2.53	V		0.074	18.68		
2592.990		PI/2 BPSK	-24.72	14.29	10.30	2.55	V		0.160	22.04	1	1
		QPSK	-25.03	13.98	10.30	2.55	V		0.149	21.73		
		16-QAM	-26.17	12.84	10.30	2.55	V		0.115	20.59		
		64-QAM	-27.59	11.42	10.30	2.55	V		0.083	19.17		
		256-QAM	-29.36	9.65	10.30	2.55	V		0.055	17.40		
2640.000		PI/2 BPSK	-27.55	11.71	10.45	2.68	V		0.089	19.48	1	136
		QPSK	-28.06	11.20	10.45	2.68	V		0.079	18.97		
		16-QAM	-30.96	8.30	10.45	2.68	V		0.040	16.07		
		64-QAM	-30.28	8.98	10.45	2.68	V		0.047	16.75		
		256-QAM	-32.31	6.95	10.45	2.68	V		0.030	14.72		

8.2 RADIATED SPURIOUS EMISSIONS

NR Band:	<u>n41</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	-54.53	10.91	-61.01	3.71	H	-53.81	-25.00	1	12
	7 503.03	-55.60	11.58	-57.73	4.60	V	-50.75	-25.00		
	10 004.04	-54.46	11.40	-54.09	5.47	H	-48.16	-25.00		
	12 505.05	-56.62	13.17	-53.00	6.10	V	-45.93	-25.00		
	15 006.06	-63.16	14.26	-45.14	6.78	V	-37.66	-25.00		
518598 (2592.990)	5 185.98	-55.63	11.18	-63.16	3.80	V	-55.78	-25.00	1	1
	7 778.97	-55.10	11.37	-55.66	4.70	V	-48.99	-25.00		
	10 371.96	-55.48	11.67	-55.00	5.55	V	-48.88	-25.00		
	12 964.95	-56.87	12.77	-52.03	6.35	V	-45.61	-25.00		
	15 557.94	-63.03	15.76	-44.68	6.89	H	-35.81	-25.00		
537000 (2685.000)	5 370.00	-55.29	11.59	-62.73	3.92	H	-55.06	-25.00	1	22
	8 055.00	-55.33	11.32	-54.68	4.81	V	-48.17	-25.00		
	10 740.00	-53.21	11.60	-52.64	5.64	V	-46.68	-25.00		
	13 425.00	-58.24	12.88	-49.82	6.41	H	-43.35	-25.00		
	16 110.00	-62.79	16.29	-47.03	7.10	V	-37.84	-25.00		

- NR Band: n41
- Bandwidth: 15 MHz
- Modulation: PI/2 BPSK
- Distance: 1 meter
- SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
500700 (2503.500)	5 007.00	-55.91	10.91	-62.45	3.71	V	-55.25	-25.00	1	36
	7 510.50	-55.30	11.59	-57.41	4.60	V	-50.42	-25.00		
	10 014.00	-55.16	11.39	-54.53	5.47	V	-48.61	-25.00		
	12 517.50	-56.84	13.15	-53.42	6.09	V	-46.36	-25.00		
	15 021.00	-63.57	14.29	-45.50	6.74	V	-37.95	-25.00		
518598 (2592.990)	5 185.98	-55.74	11.18	-63.27	3.80	H	-55.89	-25.00	1	1
	7 778.97	-55.06	11.37	-55.62	4.70	H	-48.95	-25.00		
	10 371.96	-55.31	11.67	-54.83	5.55	H	-48.71	-25.00		
	12 964.95	-58.15	12.77	-53.31	6.35	H	-46.89	-25.00		
	15 557.94	-63.41	15.76	-45.06	6.89	V	-36.19	-25.00		
536496 (2682.480)	5 364.96	-55.91	11.59	-63.42	3.91	V	-55.74	-25.00	1	1
	8 047.44	-55.51	11.30	-55.32	4.81	V	-48.83	-25.00		
	10 729.92	-53.42	11.60	-52.89	5.65	V	-46.94	-25.00		
	13 412.40	-58.68	12.90	-51.18	6.39	H	-44.67	-25.00		
	16 094.88	-62.88	16.28	-46.91	7.06	V	-37.69	-25.00		

- NR Band: n41
- Bandwidth: 20 MHz
- Modulation: PI/2 BPSK
- Distance: 1 meter
- SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
501204 (2506.020)	5 012.04	-55.60	10.91	-62.19	3.72	V	-55.00	-25.00	1	49
	7 518.06	-55.67	11.60	-58.04	4.61	V	-51.05	-25.00		
	10 024.08	-55.35	11.39	-54.60	5.47	V	-48.68	-25.00		
	12 530.10	-56.80	13.14	-53.26	6.10	V	-46.22	-25.00		
	15 036.12	-63.81	14.33	-45.98	6.74	V	-38.39	-25.00		
518598 (2592.990)	5 185.98	-55.21	11.18	-62.74	3.80	V	-55.36	-25.00	1	1
	7 778.97	-55.89	11.37	-56.45	4.70	H	-49.78	-25.00		
	10 371.96	-55.85	11.67	-55.37	5.55	H	-49.25	-25.00		
	12 964.95	-58.23	12.77	-53.39	6.35	H	-46.97	-25.00		
	15 557.94	-63.44	15.76	-45.09	6.89	V	-36.22	-25.00		
535998 (2679.990)	5 359.98	-55.87	11.58	-63.44	3.90	V	-55.76	-25.00	1	49
	8 039.97	-55.23	11.29	-55.22	4.80	V	-48.73	-25.00		
	10 719.96	-53.42	11.60	-53.27	5.64	V	-47.31	-25.00		
	13 399.95	-58.71	12.91	-51.37	6.38	V	-44.84	-25.00		
	16 079.94	-61.92	16.25	-45.59	7.02	V	-36.36	-25.00		

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

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
502200 (2511.000)	5 022.00	-54.89	10.90	-61.37	3.69	V	-54.16	-25.00	1	76
	7 533.00	-53.37	11.62	-55.80	4.61	H	-48.79	-25.00		
	10 044.00	-54.31	11.38	-53.83	5.48	V	-47.93	-25.00		
	12 555.00	-55.76	13.11	-52.08	6.22	V	-45.19	-25.00		
	15 066.00	-62.27	14.40	-44.23	6.80	V	-36.63	-25.00		
518598 (2592.990)	5 185.98	-53.11	11.18	-60.64	3.80	V	-53.26	-25.00	1	1
	7 778.97	-54.76	11.37	-55.32	4.70	H	-48.65	-25.00		
	10 371.96	-54.21	11.67	-53.73	5.55	V	-47.61	-25.00		
	12 964.95	-56.20	12.77	-51.36	6.35	H	-44.94	-25.00		
	15 557.94	-62.71	15.76	-44.36	6.89	V	-35.49	-25.00		
534996 (2674.980)	5 349.96	-54.62	11.57	-61.66	3.85	H	-53.94	-25.00	1	1
	8 024.94	-55.90	11.27	-55.71	4.79	V	-49.23	-25.00		
	10 699.92	-55.12	11.61	-54.80	5.67	V	-48.86	-25.00		
	13 374.90	-57.23	12.95	-50.33	6.34	H	-43.72	-25.00		
	16 049.88	-61.90	16.21	-45.78	7.02	V	-36.59	-25.00		

■ NR Band: n41
 ■ Bandwidth: 40 MHz
 ■ Modulation: PI/2 BPSK
 ■ Distance: 1 meter
 ■ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
503202 (2516.010)	5 032.02	-55.56	10.90	-62.50	3.67	V	-55.27	-25.00	1	104
	7 548.03	-53.25	11.63	-55.63	4.63	H	-48.63	-25.00		
	10 064.04	-54.38	11.37	-53.85	5.47	V	-47.95	-25.00		
	12 580.05	-55.90	13.07	-52.18	6.25	V	-45.36	-25.00		
	15 096.06	-61.94	14.47	-44.18	6.81	V	-36.52	-25.00		
518598 (2592.990)	5 185.98	-53.15	11.18	-60.68	3.80	V	-53.30	-25.00	1	1
	7 778.97	-54.85	11.37	-55.41	4.70	H	-48.74	-25.00		
	10 371.96	-54.24	11.67	-53.76	5.55	V	-47.64	-25.00		
	12 964.95	-56.22	12.77	-51.38	6.35	H	-44.96	-25.00		
	15 557.94	-62.41	15.76	-44.06	6.89	H	-35.19	-25.00		
534000 (2670.000)	5 340.00	-54.58	11.56	-61.86	3.80	H	-54.10	-25.00	1	1
	8 010.00	-55.77	11.24	-55.77	4.77	V	-49.30	-25.00		
	10 680.00	-54.50	11.61	-54.12	5.71	V	-48.22	-25.00		
	13 350.00	-57.82	12.98	-51.27	6.38	H	-44.67	-25.00		
	16 020.00	-62.02	16.17	-45.34	7.02	H	-36.19	-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	-55.43	10.90	-62.10	3.68	H	-54.88	-25.00	1	66
	7 563.06	-53.31	11.64	-55.51	4.64	H	-48.51	-25.00		
	10 084.08	-54.42	11.36	-53.92	5.46	V	-48.02	-25.00		
	12 605.10	-55.92	13.02	-52.13	6.18	V	-45.29	-25.00		
	15 126.12	-61.91	14.55	-43.91	6.79	V	-36.15	-25.00		
518598 (2592.990)	5 185.98	-53.21	11.18	-60.74	3.80	V	-53.36	-25.00	1	1
	7 778.97	-55.24	11.37	-55.80	4.70	H	-49.13	-25.00		
	10 371.96	-54.32	11.67	-53.84	5.55	V	-47.72	-25.00		
	12 964.95	-56.25	12.77	-51.41	6.35	H	-44.99	-25.00		
	15 557.94	-62.37	15.76	-44.02	6.89	H	-35.15	-25.00		
532998 (2664.990)	5 329.98	-54.61	11.55	-62.15	3.77	H	-54.37	-25.00	1	1
	7 994.97	-54.23	11.22	-54.13	4.77	V	-47.68	-25.00		
	10 659.96	-54.23	11.61	-53.59	5.67	V	-47.65	-25.00		
	13 324.95	-57.64	13.03	-51.20	6.45	H	-44.62	-25.00		
	15 989.94	-62.23	16.14	-44.65	7.02	V	-35.53	-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	-54.86	10.90	-61.59	3.73	V	-54.42	-25.00	1	82
	7 578.00	-54.35	11.65	-56.63	4.65	V	-49.63	-25.00		
	10 104.00	-54.08	11.35	-53.52	5.46	H	-47.63	-25.00		
	12 630.00	-56.05	12.97	-52.02	6.23	H	-45.28	-25.00		
	15 156.00	-61.42	14.63	-43.38	6.80	H	-35.55	-25.00		
518598 (2592.990)	5 185.98	-53.66	11.18	-61.19	3.80	H	-53.81	-25.00	1	1
	7 778.97	-54.00	11.37	-54.56	4.70	H	-47.89	-25.00		
	10 371.96	-54.06	11.67	-53.58	5.55	V	-47.46	-25.00		
	12 964.95	-56.14	12.77	-51.30	6.35	H	-44.88	-25.00		
	15 557.94	-62.51	15.76	-44.16	6.89	H	-35.29	-25.00		
531996 (2659.980)	5 319.96	-54.79	11.54	-62.14	3.79	V	-54.39	-25.00	1	82
	7 979.94	-54.73	11.20	-54.81	4.79	H	-48.40	-25.00		
	10 639.92	-53.16	11.62	-53.12	5.61	V	-47.11	-25.00		
	13 299.90	-56.11	13.08	-50.06	6.39	V	-43.37	-25.00		
	15 959.88	-61.76	16.11	-44.17	6.98	V	-35.04	-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	-56.12	10.91	-62.95	3.78	H	-55.82	-25.00	1	94
	7 593.03	-54.51	11.66	-56.74	4.64	V	-49.72	-25.00		
	10 124.04	-55.79	11.34	-54.82	5.47	V	-48.95	-25.00		
	12 655.05	-56.81	12.91	-52.81	6.26	V	-46.16	-25.00		
	15 186.06	-61.50	14.72	-43.44	6.82	H	-35.54	-25.00		
518598 (2592.990)	5 185.98	-53.71	11.18	-61.24	3.80	H	-53.86	-25.00	1	1
	7 778.97	-55.42	11.37	-55.98	4.70	H	-49.31	-25.00		
	10 371.96	-54.71	11.67	-54.23	5.55	V	-48.11	-25.00		
	12 964.95	-57.68	12.77	-52.84	6.35	H	-46.42	-25.00		
	15 557.94	-62.66	15.76	-44.31	6.89	H	-35.44	-25.00		
531000 (2655.000)	5 310.00	-55.83	11.53	-63.29	3.82	H	-55.58	-25.00	1	94
	7 965.00	-55.24	11.17	-55.16	4.80	V	-48.79	-25.00		
	10 620.00	-53.17	11.62	-52.92	5.65	V	-46.95	-25.00		
	13 275.00	-56.58	13.11	-50.63	6.35	V	-43.87	-25.00		
	15 930.00	-61.90	16.09	-43.48	7.00	V	-34.39	-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	-56.28	10.92	-63.04	3.80	V	-55.92	-25.00	1	108
	7 608.06	-54.62	11.65	-56.80	4.64	V	-49.79	-25.00		
	10 144.08	-55.85	11.33	-55.32	5.48	V	-49.47	-25.00		
	12 680.10	-56.78	12.87	-52.74	6.23	V	-46.10	-25.00		
	15 216.12	-61.23	14.82	-42.79	6.82	H	-34.79	-25.00		
518598 (2592.990)	5 185.98	-53.82	11.18	-61.35	3.80	H	-53.97	-25.00	1	1
	7 778.97	-55.46	11.37	-56.02	4.70	H	-49.35	-25.00		
	10 371.96	-54.82	11.67	-54.34	5.55	V	-48.22	-25.00		
	12 964.95	-57.62	12.77	-52.78	6.35	H	-46.36	-25.00		
	15 557.94	-62.61	15.76	-44.26	6.89	H	-35.39	-25.00		
529998 (2649.990)	5 299.98	-55.80	11.52	-63.22	3.83	H	-55.53	-25.00	1	108
	7 949.97	-55.31	11.15	-55.60	4.78	V	-49.23	-25.00		
	10 599.96	-53.21	11.63	-52.97	5.67	V	-47.01	-25.00		
	13 249.95	-56.61	13.13	-50.87	6.43	V	-44.17	-25.00		
	15 899.94	-62.34	16.07	-44.72	7.00	V	-35.65	-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	-55.26	10.93	-62.12	3.81	V	-55.00	-25.00	1	122
	7 623.00	-53.81	11.65	-55.95	4.65	H	-48.95	-25.00		
	10 164.00	-53.28	11.34	-52.99	5.50	H	-47.15	-25.00		
	12 705.00	-55.53	12.83	-51.42	6.20	V	-44.79	-25.00		
	15 246.00	-61.71	14.92	-43.31	6.84	H	-35.23	-25.00		
518598 (2592.990)	5 185.98	-55.16	11.18	-62.69	3.80	V	-55.31	-25.00	1	1
	7 778.97	-55.13	11.37	-55.69	4.70	H	-49.02	-25.00		
	10 371.96	-55.79	11.67	-55.31	5.55	V	-49.19	-25.00		
	12 964.95	-56.85	12.77	-52.01	6.35	V	-45.59	-25.00		
	15 557.94	-63.71	15.76	-45.36	6.89	H	-36.49	-25.00		
528996 (2644.980)	5 289.96	-53.58	11.50	-60.55	3.83	V	-52.88	-25.00	1	122
	7 934.94	-55.81	11.16	-55.77	4.77	V	-49.38	-25.00		
	10 579.92	-53.41	11.64	-53.28	5.65	H	-47.29	-25.00		
	13 224.90	-58.25	13.12	-52.27	6.43	H	-45.58	-25.00		
	15 869.88	-62.51	16.05	-44.53	6.97	H	-35.45	-25.00		

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

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
509202 (2546.010)	5 092.02	-55.38	10.94	-62.25	3.78	H	-55.09	-25.00	1	136
	7 638.03	-53.68	11.64	-55.75	4.68	H	-48.79	-25.00		
	10 184.04	-53.30	11.35	-52.71	5.52	H	-46.88	-25.00		
	12 730.05	-55.47	12.80	-51.84	6.21	V	-45.25	-25.00		
	15 276.06	-61.76	15.00	-43.13	6.82	H	-34.95	-25.00		
518598 (2592.990)	5 185.98	-55.11	11.18	-62.64	3.80	V	-55.26	-25.00	1	1
	7 778.97	-55.08	11.37	-55.64	4.70	H	-48.97	-25.00		
	10 371.96	-55.85	11.67	-55.37	5.55	V	-49.25	-25.00		
	12 964.95	-56.95	12.77	-52.11	6.35	V	-45.69	-25.00		
	15 557.94	-63.53	15.79	-45.21	6.89	V	-36.31	-25.00		
528000 (2640.000)	5 280.00	-53.57	11.47	-60.95	3.80	V	-53.28	-25.00	1	136
	7 920.00	-55.30	11.16	-55.53	4.77	V	-49.14	-25.00		
	10 560.00	-53.36	11.66	-53.59	5.63	H	-47.56	-25.00		
	13 200.00	-58.14	13.11	-52.02	6.33	H	-45.24	-25.00		
	15 840.00	-62.58	16.05	-44.65	6.99	H	-35.59	-25.00		

8.3 PEAK-TO-AVERAGE RATIO

Band / BandWidth	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (dB)	Limit (dB)
Sub6 n41 / 10 MHz	2592.990	BPSK	24	0	4.40	13.00
		QPSK			5.66	
		16-QAM			6.53	
		64-QAM			6.56	
		256-QAM			6.33	
Sub6 n41 / 15 MHz		BPSK	36		4.48	
		QPSK			5.81	
		16-QAM			6.34	
		64-QAM			6.36	
		256-QAM			6.86	
Sub6 n41 / 20 MHz		BPSK	50		4.77	
		QPSK			5.76	
		16-QAM			6.18	
		64-QAM			6.47	
		256-QAM			6.34	
Sub6 n41 / 30 MHz		BPSK	75		4.49	
		QPSK			5.67	
		16-QAM			6.47	
		64-QAM			6.57	
		256-QAM			6.56	
Sub6 n41 / 40 MHz		BPSK	100		4.51	
		QPSK			5.71	
		16-QAM			6.35	
		64-QAM			6.51	
		256-QAM			6.43	
Sub6 n41 / 50 MHz		BPSK	128		4.49	
		QPSK			5.66	
		16-QAM			6.29	
		64-QAM			6.54	
		256-QAM			6.66	

Sub6 n41 / 60 MHz	BPSK	162	4.53
	QPSK		5.65
	16-QAM		6.41
	64-QAM		6.54
	256-QAM		6.54
Sub6 n41 / 70 MHz	BPSK	180	4.60
	QPSK		5.67
	16-QAM		6.35
	64-QAM		6.52
	256-QAM		6.50
Sub6 n41 / 80 MHz	BPSK	216	4.45
	QPSK		5.60
	16-QAM		6.26
	64-QAM		6.39
	256-QAM		6.48
Sub6 n41 / 90 MHz	BPSK	243	5.52
	QPSK		5.77
	16-QAM		6.30
	64-QAM		6.45
	256-QAM		6.55
Sub6 n41 / 100 MHz	BPSK	270	4.45
	QPSK		5.66
	16-QAM		6.28
	64-QAM		6.59
	256-QAM		6.53

Note:

1. Plots of the EUT's Peak- to- Average Ratio are shown Page 93 ~ 147.
2. P.A.P.R is not required. These values are reported for information only.

8.4 OCCUPIED BANDWIDTH

Band / BandWidth	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (MHz)
Sub6 n41 / 10 MHz	2592.990	BPSK	24	0	8.6225
		QPSK			8.6444
		16-QAM			8.6069
		64-QAM			8.5821
		256-QAM			8.5672
Sub6 n41 / 15 MHz		BPSK	36		12.938
		QPSK			12.994
		16-QAM			12.974
		64-QAM			12.868
		256-QAM			12.890
Sub6 n41 / 20 MHz		BPSK	50		17.926
		QPSK			17.874
		16-QAM			17.924
		64-QAM			17.921
		256-QAM			17.920
Sub6 n41 / 30 MHz		BPSK	75		26.895
		QPSK			26.999
		16-QAM			26.876
		64-QAM			26.926
		256-QAM			26.841
Sub6 n41 / 40 MHz		BPSK	100		35.824
		QPSK			35.765
		16-QAM			35.842
		64-QAM			35.958
		256-QAM			35.806
Sub6 n41 / 50 MHz	BPSK	128	45.862		
	QPSK		45.679		
	16-QAM		45.500		
	64-QAM		45.830		
	256-QAM		45.885		

Sub6 n41 / 60 MHz	BPSK	162	57.856
	QPSK		57.979
	16-QAM		58.049
	64-QAM		57.761
	256-QAM		58.015
Sub6 n41 / 70 MHz	BPSK	180	64.656
	QPSK		64.579
	16-QAM		64.396
	64-QAM		64.699
	256-QAM		64.819
Sub6 n41 / 80 MHz	BPSK	216	77.329
	QPSK		77.491
	16-QAM		77.230
	64-QAM		77.429
	256-QAM		77.303
Sub6 n41 / 90 MHz	BPSK	243	86.761
	QPSK		86.982
	16-QAM		87.172
	64-QAM		86.811
	256-QAM		86.950
Sub6 n41 / 100 MHz	BPSK	270	96.752
	QPSK		96.952
	16-QAM		96.955
	64-QAM		96.712
	256-QAM		96.463

Note:

1. Plots of the EUT's Occupied Bandwidth are shown Page 148 ~ 202.

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)
Sub 6 n41 / 10	2501.010	4.78569	28.150	-63.20	-35.050	-25.00
	2592.990	6.15158	28.730	-61.59	-32.858	
	2685.000	8.75375	28.730	-63.34	-34.613	
Sub 6 n41 / 15	2503.500	7.07879	28.730	-63.49	-34.762	
	2592.990	5.02497	28.730	-62.40	-33.671	
	2682.480	3.93824	28.150	-61.76	-33.614	
Sub 6 n41 / 20	2506.020	3.62917	28.150	-62.84	-34.688	
	2592.990	4.98509	28.150	-63.63	-35.484	
	2679.990	4.33704	28.150	-62.09	-33.943	
Sub 6 n41 / 30	2511.000	6.16155	28.730	-63.70	-34.970	
	2592.990	3.11073	28.150	-63.77	-35.622	
	2674.980	3.90833	28.150	-63.19	-35.042	
Sub 6 n41 / 40	2516.010	3.87842	28.150	-63.69	-35.541	
	2592.990	4.99506	28.150	-62.65	-34.497	
	2670.000	3.51950	28.150	-63.40	-35.249	
Sub 6 n41 / 50	2521.020	4.98509	28.150	-62.83	-34.676	
	2592.990	5.92227	28.730	-62.88	-34.150	
	2664.990	3.72887	28.150	-62.61	-34.464	
Sub 6 n41 / 60	2526.000	4.78569	28.150	-63.54	-35.388	
	2592.990	9.04288	28.730	-63.88	-35.154	
	2659.980	3.86845	28.150	-63.32	-35.173	
Sub 6 n41 / 70	2531.010	3.93824	28.150	-62.97	-34.817	
	2592.990	4.76575	28.150	-61.93	-33.782	
	2655.000	4.97512	28.150	-63.30	-35.149	
Sub 6 n41 / 80	2536.020	5.00503	28.730	-63.15	-34.418	
	2592.990	3.96815	28.150	-63.74	-35.592	
	2649.990	3.74881	28.150	-62.49	-34.344	
Sub 6 n41 / 90	2541.000	3.67902	28.150	-63.51	-35.361	
	2592.990	4.86545	28.150	-64.24	-36.090	
	2644.980	4.99506	28.150	-63.59	-35.439	
Sub 6 n41 / 100	2546.010	4.75578	28.150	-63.53	-35.375	
	2592.990	4.13764	28.150	-63.51	-35.356	
	2640.000	9.22234	28.730	-63.98	-35.254	

Note:

1. Plots of the EUT's Conducted Spurious Emissions are shown Page 203 ~ 268.
2. Factor(dB) = Cable Loss + Ext. Attenuator + Power Splitter
3. Result(dBm) = Reading + Factor

Factor(dB)

Frequency Range (GHz)	Factor [dB]
0.03 – 1	27.270
1 – 5	28.150
5 – 10	28.730
10 – 15	29.330
15 – 20	30.520
Above 20	31.890

8.6 CHANNEL EDGE

BW (MHz)	Frequency (MHz)	Mod	RB (Size/ Offset)	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	2501.010	BPSK	Full RB	-35.07	-34.49	-28.07	-28.03	-29.72	-28.51	-33.82
15	2503.500	BPSK	Full RB	-30.87	-31.82	-29.04	-28.01	-29.62	-28.88	-35.94
20	2506.020	BPSK	Full RB	-29.35	-30.63	-26.44	-27.21	-29.62	-28.94	-35.81
30	2511.000	BPSK	Full RB	-29.42	-29.62	-28.75	-29.77	-31.61	-30.57	-39.29
40	2516.010	BPSK	Full RB	-27.49	-30.33	-27.83	-28.76	-29.07	-29.97	-39.52
50	2521.020	BPSK	Full RB	-25.56	-27.39	-26.21	-27.43	-30.65	-28.67	-41.67
60	2526.000	BPSK	Full RB	-20.14	-22.61	-26.47	-26.28	-29.10	-27.71	-39.79
70	2531.010	BPSK	Full RB	-28.14	-27.70	-28.04	-28.33	-26.82	-29.15	-41.33
80	2536.020	BPSK	Full RB	-26.74	-31.07	-29.28	-31.01	-28.11	-30.68	-43.58
90	2541.000	BPSK	Full RB	-25.22	-31.34	-30.86	-30.57	-31.53	-27.42	-46.01
100	2546.010	BPSK	Full RB	-24.06	-31.64	-29.95	-31.77	-29.57	-28.21	-45.45
Limit (dBm)				-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	-34.14	-35.83	-29.14	-30.80
	2685.000	BPSK	Full RB	0	-31.00	-30.14	-29.02	-30.07
15 MHz	2592.990	BPSK	Full RB	0	-32.68	-35.93	-31.10	-32.01
	2682.480	BPSK	Full RB	0	-31.01	-32.71	-27.78	-28.17
20 MHz	2592.990	BPSK	Full RB	0	-33.63	-34.69	-30.94	-29.41
	2679.990	BPSK	Full RB	0	-31.22	-32.88	-30.81	-31.09
30 MHz	2592.990	BPSK	Full RB	0	-31.49	-32.46	-31.62	-32.27
	2674.980	BPSK	Full RB	0	-30.57	-36.48	-32.23	-35.74
40 MHz	2592.990	BPSK	Full RB	0	-28.83	-34.37	-31.07	-34.48
	2670.000	BPSK	Full RB	0	-30.40	-36.02	-32.27	-35.86
50 MHz	2592.990	BPSK	Full RB	0	-27.95	-32.99	-30.80	-33.11
	2664.990	BPSK	Full RB	0	-28.18	-30.81	-30.39	-31.40
60 MHz	2592.990	BPSK	Full RB	0	-19.96	-22.80	-26.67	-28.51
	2659.980	BPSK	Full RB	0	-21.06	-23.49	-32.15	-29.29
70 MHz	2592.990	BPSK	Full RB	0	-27.55	-33.72	-30.05	-33.95
	2655.000	BPSK	Full RB	0	-28.68	-34.17	-32.73	-35.79
80 MHz	2592.990	BPSK	Full RB	0	-27.48	-30.70	-31.04	-31.77
	2649.990	BPSK	Full RB	0	-26.35	-33.57	-35.34	-34.32
90 MHz	2592.990	BPSK	Full RB	0	-26.13	-32.37	-35.82	-32.85
	2644.980	BPSK	Full RB	0	-25.50	-36.10	-34.90	-36.45
100 MHz	2592.990	BPSK	Full RB	0	-24.37	-29.51	-35.05	-29.46
	2640.000	BPSK	Full RB	0	-23.10	-35.76	-32.17	-35.94
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	-30.32	-31.64	-35.44	-36.32
	2685.000	BPSK	Full RB	0	-33.22	-32.14	-36.90	-37.25
15 MHz	2592.990	BPSK	Full RB	0	-30.91	-32.14	-36.93	-37.00
	2682.480	BPSK	Full RB	0	-32.61	-32.55	-35.30	-36.76
20 MHz	2592.990	BPSK	Full RB	0	-31.52	-32.76	-35.42	-34.45
	2679.990	BPSK	Full RB	0	-34.62	-35.54	-38.50	-41.16
30 MHz	2592.990	BPSK	Full RB	0	-32.16	-33.51	-36.26	-38.15
	2674.980	BPSK	Full RB	0	-35.44	-36.40	-40.55	-44.13
40 MHz	2592.990	BPSK	Full RB	0	-33.68	-32.97	-40.66	-44.20
	2670.000	BPSK	Full RB	0	-34.83	-35.81	-41.35	-48.01
50 MHz	2592.990	BPSK	Full RB	0	-33.56	-35.66	-41.59	-41.24
	2664.990	BPSK	Full RB	0	-30.91	-34.82	-39.41	-50.47
60 MHz	2592.990	BPSK	Full RB	0	-31.66	-32.43	-40.80	-41.26
	2659.980	BPSK	Full RB	0	-33.72	-32.05	-40.94	-58.42
70 MHz	2592.990	BPSK	Full RB	0	-32.57	-32.30	-41.49	-41.44
	2655.000	BPSK	Full RB	0	-34.62	-35.58	-39.21	-58.45
80 MHz	2592.990	BPSK	Full RB	0	-33.94	-33.26	-46.84	-41.67
	2649.990	BPSK	Full RB	0	-37.27	-35.20	-40.50	-58.45
90 MHz	2592.990	BPSK	Full RB	0	-35.76	-32.48	-58.60	-42.63
	2644.980	BPSK	Full RB	0	-35.05	-35.02	-39.60	-58.47
100 MHz	2592.990	BPSK	Full RB	0	-35.75	-30.55	-58.60	-54.50
	2640.000	BPSK	Full RB	0	-34.51	-37.38	-43.73	-58.50
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 270 ~ 346. (1RB & Full RB)

8.7 FREQUENCY STABILITY / VARIATION OF AMBIENT TEMPERATURE

■ BandWidth:	<u>10 MHz</u>
■ Voltage(100 %):	<u>4.200 VDC</u>
■ Lowest voltage:	<u>3.700 VDC</u>
■ LIMIT:	<u>Emission must remain in band</u>

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 009 993	-4.7	0.000 000	-0.002
	100 %	-10	2501 009 991	-6.6	0.000 000	-0.003
	100 %	0	2501 009 993	-3.8	0.000 000	-0.002
	100 %	+10	2501 009 994	-3.3	0.000 000	-0.001
	100 %	+30	2501 009 989	-7.9	0.000 000	-0.003
	100 %	+40	2501 009 991	-6.4	0.000 000	-0.003
	100 %	+50	2501 009 990	-6.8	0.000 000	-0.003
	Lowest voltage	+20	2501 009 996	-1.5	0.000 000	-0.001
2685.000	100 %	+20(Ref)	2684 999 987	0.0	0.000 000	0.000
	100 %	-30	2684 999 972	-15.0	-0.000 001	-0.006
	100 %	-20	2684 999 971	-15.5	-0.000 001	-0.006
	100 %	-10	2684 999 973	-13.4	0.000 000	-0.005
	100 %	0	2684 999 972	-14.8	-0.000 001	-0.006
	100 %	+10	2684 999 977	-9.5	0.000 000	-0.004
	100 %	+30	2684 999 973	-13.5	-0.000 001	-0.005
	100 %	+40	2684 999 979	-7.3	0.000 000	-0.003
	100 %	+50	2684 999 980	-6.5	0.000 000	-0.002
	Lowest voltage	+20	2684 999 983	-4.1	0.000 000	-0.002

- ▣ BandWidth: 15 MHz
- ▣ Voltage(100 %): 4.200 VDC
- ▣ Lowest voltage: 3.700 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 499 993	0.0	0.000 000	0.000
	100 %	-30	2503 499 987	-6.2	0.000 000	-0.002
	100 %	-20	2503 499 984	-9.4	0.000 000	-0.004
	100 %	-10	2503 499 991	-1.8	0.000 000	-0.001
	100 %	0	2503 499 990	-3.5	0.000 000	-0.001
	100 %	+10	2503 499 984	-9.0	0.000 000	-0.004
	100 %	+30	2503 499 987	-6.2	0.000 000	-0.002
	100 %	+40	2503 499 989	-3.8	0.000 000	-0.002
	100 %	+50	2503 499 986	-7.5	0.000 000	-0.003
	Lowest voltage	+20	2503 499 987	-6.5	0.000 000	-0.003
2682.480	100 %	+20(Ref)	2682 479 992	0.0	0.000 000	0.000
	100 %	-30	2682 479 994	1.3	0.000 000	0.000
	100 %	-20	2682 479 996	3.5	0.000 000	0.001
	100 %	-10	2682 479 989	-3.2	0.000 000	-0.001
	100 %	0	2682 479 994	1.5	0.000 000	0.001
	100 %	+10	2682 479 987	-5.2	0.000 000	-0.002
	100 %	+30	2682 479 991	-1.0	0.000 000	0.000
	100 %	+40	2682 479 990	-2.2	0.000 000	-0.001
	100 %	+50	2682 479 993	0.4	0.000 000	0.000
	Lowest voltage	+20	2682 479 989	-3.2	0.000 000	-0.001

- ▣ BandWidth: 20 MHz
- ▣ Voltage(100 %): 4.200 VDC
- ▣ Lowest voltage: 3.700 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 019 988	0.0	0.000 000	0.000
	100 %	-30	2506 019 979	-8.7	0.000 000	-0.003
	100 %	-20	2506 019 976	-11.7	0.000 000	-0.005
	100 %	-10	2506 019 980	-7.9	0.000 000	-0.003
	100 %	0	2506 019 978	-9.7	0.000 000	-0.004
	100 %	+10	2506 019 978	-9.8	0.000 000	-0.004
	100 %	+30	2506 019 980	-7.4	0.000 000	-0.003
	100 %	+40	2506 019 981	-6.5	0.000 000	-0.003
	100 %	+50	2506 019 979	-8.4	0.000 000	-0.003
	Lowest voltage	+20	2506 019 979	-9.0	0.000 000	-0.004
2679.990	100 %	+20(Ref)	2679 989 999	0.0	0.000 000	0.000
	100 %	-30	2679 989 996	-3.1	0.000 000	-0.001
	100 %	-20	2679 989 992	-7.2	0.000 000	-0.003
	100 %	-10	2679 989 999	0.2	0.000 000	0.000
	100 %	0	2679 989 992	-6.9	0.000 000	-0.003
	100 %	+10	2679 989 992	-7.2	0.000 000	-0.003
	100 %	+30	2679 989 992	-6.7	0.000 000	-0.002
	100 %	+40	2679 989 996	-3.1	0.000 000	-0.001
	100 %	+50	2679 989 992	-7.2	0.000 000	-0.003
	Lowest voltage	+20	2679 989 990	-9.1	0.000 000	-0.003

- ▣ BandWidth: 30 MHz
- ▣ Voltage(100 %): 4.200 VDC
- ▣ Lowest voltage: 3.700 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 999 992	0.0	0.000 000	0.000
	100 %	-30	2510 999 985	-6.6	0.000 000	-0.003
	100 %	-20	2510 999 986	-5.7	0.000 000	-0.002
	100 %	-10	2510 999 984	-8.2	0.000 000	-0.003
	100 %	0	2510 999 983	-9.1	0.000 000	-0.004
	100 %	+10	2510 999 987	-5.5	0.000 000	-0.002
	100 %	+30	2510 999 983	-9.2	0.000 000	-0.004
	100 %	+40	2510 999 989	-3.2	0.000 000	-0.001
	100 %	+50	2510 999 983	-9.5	0.000 000	-0.004
	Lowest voltage	+20	2510 999 982	-10.3	0.000 000	-0.004
2674.980	100 %	+20(Ref)	2674 980 005	0.0	0.000 000	0.000
	100 %	-30	2674 980 002	-2.9	0.000 000	-0.001
	100 %	-20	2674 980 003	-2.3	0.000 000	-0.001
	100 %	-10	2674 980 004	-1.7	0.000 000	-0.001
	100 %	0	2674 980 004	-0.9	0.000 000	0.000
	100 %	+10	2674 980 004	-1.6	0.000 000	-0.001
	100 %	+30	2674 980 005	-0.6	0.000 000	0.000
	100 %	+40	2674 980 001	-4.0	0.000 000	-0.001
	100 %	+50	2674 980 006	0.2	0.000 000	0.000
	Lowest voltage	+20	2674 980 000	-4.9	0.000 000	-0.002

- ▣ BandWidth: 40 MHz
- ▣ Voltage(100 %): 4.200 VDC
- ▣ Lowest voltage: 3.700 VDC
- ▣ LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2516.010	100 %	+20(Ref)	2516 009 996	0.0	0.000 000	0.000
	100 %	-30	2516 009 994	-1.6	0.000 000	-0.001
	100 %	-20	2516 009 989	-6.9	0.000 000	-0.003
	100 %	-10	2516 009 990	-6.1	0.000 000	-0.002
	100 %	0	2516 009 989	-6.4	0.000 000	-0.003
	100 %	+10	2516 009 988	-7.4	0.000 000	-0.003
	100 %	+30	2516 009 992	-3.4	0.000 000	-0.001
	100 %	+40	2516 009 989	-7.1	0.000 000	-0.003
	100 %	+50	2516 009 991	-4.9	0.000 000	-0.002
	Lowest voltage	+20	2516 009 989	-6.9	0.000 000	-0.003
2670.000	100 %	+20(Ref)	2669 999 995	0.0	0.000 000	0.000
	100 %	-30	2669 999 992	-2.4	0.000 000	-0.001
	100 %	-20	2669 999 993	-1.4	0.000 000	-0.001
	100 %	-10	2669 999 991	-3.6	0.000 000	-0.001
	100 %	0	2669 999 990	-4.7	0.000 000	-0.002
	100 %	+10	2669 999 987	-7.7	0.000 000	-0.003
	100 %	+30	2669 999 992	-3.0	0.000 000	-0.001
	100 %	+40	2669 999 992	-3.3	0.000 000	-0.001
	100 %	+50	2669 999 990	-4.7	0.000 000	-0.002
	Lowest voltage	+20	2669 999 991	-3.9	0.000 000	-0.001

- ▣ BandWidth: 50 MHz
- ▣ Voltage(100 %): 4.200 VDC
- ▣ Lowest voltage: 3.700 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 019 997	0.0	0.000 000	0.000
	100 %	-30	2521 019 993	-3.8	0.000 000	-0.002
	100 %	-20	2521 019 993	-4.6	0.000 000	-0.002
	100 %	-10	2521 019 995	-2.4	0.000 000	-0.001
	100 %	0	2521 019 992	-5.3	0.000 000	-0.002
	100 %	+10	2521 019 995	-1.9	0.000 000	-0.001
	100 %	+30	2521 019 994	-3.1	0.000 000	-0.001
	100 %	+40	2521 019 991	-6.4	0.000 000	-0.003
	100 %	+50	2521 019 991	-6.3	0.000 000	-0.002
	Lowest voltage	+20	2521 019 995	-2.7	0.000 000	-0.001
2664.990	100 %	+20(Ref)	2664 989 999	0.0	0.000 000	0.000
	100 %	-30	2664 989 997	-2.7	0.000 000	-0.001
	100 %	-20	2664 990 001	1.7	0.000 000	0.001
	100 %	-10	2664 990 000	0.3	0.000 000	0.000
	100 %	0	2664 990 001	1.5	0.000 000	0.001
	100 %	+10	2664 989 998	-1.2	0.000 000	0.000
	100 %	+30	2664 990 003	3.8	0.000 000	0.001
	100 %	+40	2664 989 998	-1.6	0.000 000	-0.001
	100 %	+50	2664 989 996	-3.2	0.000 000	-0.001
	Lowest voltage	+20	2664 990 001	1.2	0.000 000	0.000

- ▣ BandWidth: 60 MHz
- ▣ Voltage(100 %): 4.200 VDC
- ▣ Lowest voltage: 3.700 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 000 005	0.0	0.000 000	0.000
	100 %	-30	2526 000 009	4.8	0.000 000	0.002
	100 %	-20	2526 000 005	0.2	0.000 000	0.000
	100 %	-10	2526 000 008	3.4	0.000 000	0.001
	100 %	0	2526 000 007	2.8	0.000 000	0.001
	100 %	+10	2526 000 009	4.6	0.000 000	0.002
	100 %	+30	2526 000 007	2.7	0.000 000	0.001
	100 %	+40	2526 000 001	-3.5	0.000 000	-0.001
	100 %	+50	2526 000 010	5.2	0.000 000	0.002
	Lowest voltage	+20	2526 000 002	-3.0	0.000 000	-0.001
2659.980	100 %	+20(Ref)	2659 979 997	0.0	0.000 000	0.000
	100 %	-30	2659 979 993	-4.4	0.000 000	-0.002
	100 %	-20	2659 979 993	-4.2	0.000 000	-0.002
	100 %	-10	2659 979 996	-1.3	0.000 000	-0.001
	100 %	0	2659 979 993	-4.5	0.000 000	-0.002
	100 %	+10	2659 979 992	-4.7	0.000 000	-0.002
	100 %	+30	2659 979 999	2.1	0.000 000	0.001
	100 %	+40	2659 979 997	-0.1	0.000 000	0.000
	100 %	+50	2659 979 991	-6.2	0.000 000	-0.002
	Lowest voltage	+20	2659 979 997	-0.5	0.000 000	0.000

- ▣ BandWidth: 70 MHz
- ▣ Voltage(100 %): 4.200 VDC
- ▣ Lowest voltage: 3.700 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 009 995	0.0	0.000 000	0.000
	100 %	-30	2531 009 988	-6.8	0.000 000	-0.003
	100 %	-20	2531 009 990	-4.7	0.000 000	-0.002
	100 %	-10	2531 009 986	-9.0	0.000 000	-0.004
	100 %	0	2531 009 989	-6.5	0.000 000	-0.003
	100 %	+10	2531 009 984	-11.1	0.000 000	-0.004
	100 %	+30	2531 009 989	-6.4	0.000 000	-0.003
	100 %	+40	2531 009 988	-6.6	0.000 000	-0.003
	100 %	+50	2531 009 992	-2.8	0.000 000	-0.001
	Lowest voltage	+20	2531 009 990	-5.0	0.000 000	-0.002
2655.000	100 %	+20(Ref)	2654 999 997	0.0	0.000 000	0.000
	100 %	-30	2654 999 995	-2.7	0.000 000	-0.001
	100 %	-20	2654 999 995	-2.8	0.000 000	-0.001
	100 %	-10	2654 999 996	-1.7	0.000 000	-0.001
	100 %	0	2655 000 002	4.2	0.000 000	0.002
	100 %	+10	2654 999 995	-2.7	0.000 000	-0.001
	100 %	+30	2654 999 996	-1.1	0.000 000	0.000
	100 %	+40	2654 999 995	-2.6	0.000 000	-0.001
	100 %	+50	2654 999 995	-2.9	0.000 000	-0.001
	Lowest voltage	+20	2654 999 995	-2.3	0.000 000	-0.001

- ▣ BandWidth: 80 MHz
- ▣ Voltage(100 %): 4.200 VDC
- ▣ Lowest voltage: 3.700 VDC
- ▣ LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2536.020	100 %	+20(Ref)	2536 019 993	0.0	0.000 000	0.000
	100 %	-30	2536 019 986	-6.7	0.000 000	-0.003
	100 %	-20	2536 019 989	-4.4	0.000 000	-0.002
	100 %	-10	2536 019 987	-6.1	0.000 000	-0.002
	100 %	0	2536 019 987	-5.7	0.000 000	-0.002
	100 %	+10	2536 019 987	-5.8	0.000 000	-0.002
	100 %	+30	2536 019 986	-7.2	0.000 000	-0.003
	100 %	+40	2536 019 984	-9.0	0.000 000	-0.004
	100 %	+50	2536 019 984	-9.6	0.000 000	-0.004
	Lowest voltage	+20	2536 019 987	-5.9	0.000 000	-0.002
2649.990	100 %	+20(Ref)	2649 990 002	0.0	0.000 000	0.000
	100 %	-30	2649 990 005	3.1	0.000 000	0.001
	100 %	-20	2649 990 009	6.8	0.000 000	0.003
	100 %	-10	2649 990 012	10.1	0.000 000	0.004
	100 %	0	2649 990 006	3.5	0.000 000	0.001
	100 %	+10	2649 990 007	4.4	0.000 000	0.002
	100 %	+30	2649 990 009	7.1	0.000 000	0.003
	100 %	+40	2649 990 004	1.6	0.000 000	0.001
	100 %	+50	2649 990 004	2.1	0.000 000	0.001
	Lowest voltage	+20	2649 990 006	4.4	0.000 000	0.002

- ▣ BandWidth: 90 MHz
- ▣ Voltage(100 %): 4.200 VDC
- ▣ Lowest voltage: 3.700 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 999 993	0.0	0.000 000	0.000
	100 %	-30	2540 999 990	-2.9	0.000 000	-0.001
	100 %	-20	2540 999 983	-9.2	0.000 000	-0.004
	100 %	-10	2540 999 987	-6.0	0.000 000	-0.002
	100 %	0	2540 999 984	-8.1	0.000 000	-0.003
	100 %	+10	2540 999 989	-3.2	0.000 000	-0.001
	100 %	+30	2540 999 988	-4.5	0.000 000	-0.002
	100 %	+40	2540 999 988	-4.9	0.000 000	-0.002
	100 %	+50	2540 999 990	-2.9	0.000 000	-0.001
	Lowest voltage	+20	2540 999 989	-3.4	0.000 000	-0.001
2644.980	100 %	+20(Ref)	2644 980 001	0.0	0.000 000	0.000
	100 %	-30	2644 980 002	0.9	0.000 000	0.000
	100 %	-20	2644 980 005	4.1	0.000 000	0.002
	100 %	-10	2644 980 003	2.4	0.000 000	0.001
	100 %	0	2644 980 003	2.2	0.000 000	0.001
	100 %	+10	2644 980 002	1.4	0.000 000	0.001
	100 %	+30	2644 980 000	-0.6	0.000 000	0.000
	100 %	+40	2644 979 995	-5.3	0.000 000	-0.002
	100 %	+50	2644 980 000	-1.3	0.000 000	0.000
	Lowest voltage	+20	2644 980 002	0.9	0.000 000	0.000

- ▣ BandWidth: 100 MHz
- ▣ Voltage(100 %): 4.200 VDC
- ▣ Lowest voltage: 3.700 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 009 991	0.0	0.000 000	0.000
	100 %	-30	2546 009 984	-7.3	0.000 000	-0.003
	100 %	-20	2546 009 981	-10.6	0.000 000	-0.004
	100 %	-10	2546 009 985	-6.5	0.000 000	-0.003
	100 %	0	2546 009 985	-6.4	0.000 000	-0.003
	100 %	+10	2546 009 984	-7.1	0.000 000	-0.003
	100 %	+30	2546 009 979	-12.5	0.000 000	-0.005
	100 %	+40	2546 009 983	-7.7	0.000 000	-0.003
	100 %	+50	2546 009 982	-9.4	0.000 000	-0.004
	Lowest voltage	+20	2546 009 984	-7.4	0.000 000	-0.003
2640.000	100 %	+20(Ref)	2639 999 999	0.0	0.000 000	0.000
	100 %	-30	2639 999 999	0.2	0.000 000	0.000
	100 %	-20	2639 999 998	-0.5	0.000 000	0.000
	100 %	-10	2639 999 994	-4.6	0.000 000	-0.002
	100 %	0	2639 999 999	0.2	0.000 000	0.000
	100 %	+10	2640 000 000	0.6	0.000 000	0.000
	100 %	+30	2639 999 996	-2.9	0.000 000	-0.001
	100 %	+40	2640 000 001	1.7	0.000 000	0.001
	100 %	+50	2639 999 999	-0.2	0.000 000	0.000
	Lowest voltage	+20	2639 999 999	0.3	0.000 000	0.000

9. TEST DATA (Internal(BUA))

9.1 EQUIVALENT ISOTROPIC RADIATED POWER

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2501.010	Sub6 n41 / 10 MHz [30 kHz]	PI/2 BPSK	-24.06	14.29	10.27	2.50	V	< 2.00	0.161	22.06	1	12
		QPSK	-24.34	14.01	10.27	2.50	V		0.151	21.78		
		16-QAM	-25.35	13.00	10.27	2.50	V		0.119	20.77		
		64-QAM	-26.57	11.78	10.27	2.50	V		0.090	19.55		
		256-QAM	-28.84	9.51	10.27	2.50	V		0.053	17.28		
2592.990		PI/2 BPSK	-23.76	15.25	10.30	2.55	V		0.200	23.00	1	1
		QPSK	-23.97	15.04	10.30	2.55	V		0.190	22.79		
		16-QAM	-24.96	14.05	10.30	2.55	V		0.151	21.80		
		64-QAM	-26.75	12.26	10.30	2.55	V		0.100	20.01		
		256-QAM	-28.33	10.68	10.30	2.55	V		0.070	18.43		
2685.000		PI/2 BPSK	-26.32	12.64	10.59	2.61	V		0.115	20.62	1	1
		QPSK	-26.68	12.28	10.59	2.61	V		0.106	20.26		
		16-QAM	-27.78	11.18	10.59	2.61	V		0.082	19.16		
		64-QAM	-29.08	9.88	10.59	2.61	V		0.061	17.86		
		256-QAM	-31.13	7.83	10.59	2.61	V		0.038	15.81		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2503.500	Sub6 n41 / 15 MHz [30 kHz]	PI/2 BPSK	-24.05	14.40	10.26	2.51	V	< 2.00	0.164	22.15	1	19
		QPSK	-24.21	14.24	10.26	2.51	V		0.158	21.99		
		16-QAM	-25.39	13.06	10.26	2.51	V		0.121	20.81		
		64-QAM	-26.46	11.99	10.26	2.51	V		0.094	19.74		
		256-QAM	-28.73	9.72	10.26	2.51	V		0.056	17.47		
2592.990		PI/2 BPSK	-23.83	15.18	10.30	2.55	V		0.196	22.93	1	1
		QPSK	-24.18	14.83	10.30	2.55	V		0.181	22.58		
		16-QAM	-25.17	13.84	10.30	2.55	V		0.144	21.59		
		64-QAM	-26.09	12.92	10.30	2.55	V		0.117	20.67		
		256-QAM	-28.71	10.30	10.30	2.55	V		0.064	18.05		
2682.480	PI/2 BPSK	-26.32	12.63	10.58	2.61	V	0.115	20.60	1	1		
	QPSK	-26.78	12.17	10.58	2.61	V	0.103	20.14				
	16-QAM	-27.77	11.18	10.58	2.61	V	0.082	19.15				
	64-QAM	-28.95	10.00	10.58	2.61	V	0.063	17.97				
	256-QAM	-31.06	7.89	10.58	2.61	V	0.039	15.86				

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2506.020	Sub6 n41 / 20 MHz [30 kHz]	PI/2 BPSK	-23.88	14.57	10.26	2.51	V	< 2.00	0.171	22.32	1	49
		QPSK	-23.94	14.51	10.26	2.51	V		0.168	22.26		
		16-QAM	-24.98	13.47	10.26	2.51	V		0.132	21.22		
		64-QAM	-26.50	11.95	10.26	2.51	V		0.093	19.70		
		256-QAM	-28.43	10.02	10.26	2.51	V		0.060	17.77		
2592.990		PI/2 BPSK	-24.00	15.01	10.30	2.55	V		0.189	22.76	1	1
		QPSK	-24.05	14.96	10.30	2.55	V		0.187	22.71		
		16-QAM	-24.96	14.05	10.30	2.55	V		0.151	21.80		
		64-QAM	-26.31	12.70	10.30	2.55	V		0.111	20.45		
		256-QAM	-28.37	10.64	10.30	2.55	V		0.069	18.39		
2679.990		PI/2 BPSK	-26.39	12.56	10.58	2.61	V		0.113	20.53	1	1
		QPSK	-26.74	12.21	10.58	2.61	V		0.104	20.18		
		16-QAM	-27.42	11.53	10.58	2.61	V		0.089	19.50		
		64-QAM	-29.14	9.81	10.58	2.61	V		0.060	17.78		
		256-QAM	-31.07	7.88	10.58	2.61	V		0.038	15.85		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2511.000	Sub6 n41 / 30 MHz [30 kHz]	PI/2 BPSK	-23.88	14.65	10.26	2.51	V	< 2.00	0.174	22.40	1	76
		QPSK	-24.04	14.49	10.26	2.51	V		0.167	22.24		
		16-QAM	-25.00	13.53	10.26	2.51	V		0.134	21.28		
		64-QAM	-26.25	12.28	10.26	2.51	V		0.101	20.03		
		256-QAM	-28.62	9.91	10.26	2.51	V		0.058	17.66		
2592.990		PI/2 BPSK	-23.62	15.39	10.30	2.55	V		0.206	23.14	1	1
		QPSK	-23.78	15.23	10.30	2.55	V		0.199	22.98		
		16-QAM	-25.08	13.93	10.30	2.55	V		0.147	21.68		
		64-QAM	-26.17	12.84	10.30	2.55	V		0.115	20.59		
		256-QAM	-28.04	10.97	10.30	2.55	V		0.074	18.72		
2674.980		PI/2 BPSK	-26.24	12.72	10.56	2.62	V	0.116	20.66	1	1	
		QPSK	-26.41	12.55	10.56	2.62	V	0.112	20.49			
		16-QAM	-27.07	11.89	10.56	2.62	V	0.096	19.83			
		64-QAM	-28.83	10.13	10.56	2.62	V	0.064	18.07			
		256-QAM	-30.93	8.03	10.56	2.62	V	0.040	15.97			

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2516.010	Sub6 n41 / 40 MHz [30 kHz]	PI/2 BPSK	-23.33	15.24	10.26	2.53	V	< 2.00	0.198	22.97	1	104
		QPSK	-23.73	14.84	10.26	2.53	V		0.181	22.57		
		16-QAM	-24.38	14.19	10.26	2.53	V		0.156	21.92		
		64-QAM	-25.76	12.81	10.26	2.53	V		0.113	20.54		
		256-QAM	-27.81	10.76	10.26	2.53	V		0.071	18.49		
2592.990		PI/2 BPSK	-23.71	15.30	10.30	2.55	V		0.202	23.05	1	1
		QPSK	-23.91	15.10	10.30	2.55	V		0.193	22.85		
		16-QAM	-24.91	14.10	10.30	2.55	V		0.153	21.85		
		64-QAM	-26.05	12.96	10.30	2.55	V		0.118	20.71		
		256-QAM	-28.37	10.64	10.30	2.55	V		0.069	18.39		
2670.000		PI/2 BPSK	-26.44	12.52	10.55	2.62	V		0.111	20.45	1	1
		QPSK	-26.68	12.28	10.55	2.62	V		0.105	20.21		
		16-QAM	-27.11	11.85	10.55	2.62	V		0.095	19.78		
		64-QAM	-28.88	10.08	10.55	2.62	V		0.063	18.01		
		256-QAM	-31.04	7.92	10.55	2.62	V		0.038	15.85		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2521.020	Sub6 n41 / 50 MHz [30 kHz]	PI/2 BPSK	-23.23	15.37	10.26	2.54	V	< 2.00	0.204	23.09	1	131
		QPSK	-23.41	15.19	10.26	2.54	V		0.195	22.91		
		16-QAM	-24.45	14.15	10.26	2.54	V		0.154	21.87		
		64-QAM	-25.70	12.90	10.26	2.54	V		0.115	20.62		
		256-QAM	-27.87	10.73	10.26	2.54	V		0.070	18.45		
2592.990		PI/2 BPSK	-23.61	15.40	10.30	2.55	V		0.207	23.15	1	1
		QPSK	-23.64	15.37	10.30	2.55	V		0.205	23.12		
		16-QAM	-24.81	14.20	10.30	2.55	V		0.157	21.95		
		64-QAM	-25.72	13.29	10.30	2.55	V		0.127	21.04		
		256-QAM	-28.25	10.76	10.30	2.55	V		0.071	18.51		
2664.990		PI/2 BPSK	-26.01	13.01	10.53	2.64	V	0.123	20.90	1	1	
		QPSK	-26.42	12.60	10.53	2.64	V	0.112	20.49			
		16-QAM	-27.19	11.83	10.53	2.64	V	0.094	19.72			
		64-QAM	-28.42	10.60	10.53	2.64	V	0.071	18.49			
		256-QAM	-30.60	8.42	10.53	2.64	V	0.043	16.31			

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2526.000	Sub6 41/ 60 MHz [30 kHz]	PI/2 BPSK	-23.46	15.22	10.25	2.54	V	< 2.00	0.196	22.93	1	160
		QPSK	-23.75	14.93	10.25	2.54	V		0.184	22.64		
		16-QAM	-24.51	14.17	10.25	2.54	V		0.154	21.88		
		64-QAM	-25.90	12.78	10.25	2.54	V		0.112	20.49		
		256-QAM	-27.99	10.69	10.25	2.54	V		0.069	18.40		
2592.990		PI/2 BPSK	-23.44	15.57	10.30	2.55	V	< 2.00	0.215	23.32	1	1
		QPSK	-23.57	15.44	10.30	2.55	V		0.208	23.19		
		16-QAM	-24.57	14.44	10.30	2.55	V		0.166	22.19		
		64-QAM	-25.96	13.05	10.30	2.55	V		0.120	20.80		
		256-QAM	-28.20	10.81	10.30	2.55	V		0.072	18.56		
2659.980		PI/2 BPSK	-25.54	13.55	10.51	2.67	V	< 2.00	0.138	21.39	1	1
		QPSK	-25.64	13.45	10.51	2.67	V		0.135	21.29		
		16-QAM	-27.18	11.91	10.51	2.67	V		0.094	19.75		
		64-QAM	-27.97	11.12	10.51	2.67	V		0.079	18.96		
		256-QAM	-30.08	9.01	10.51	2.67	V		0.048	16.85		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2531.010	Sub6 41/ 70 MHz [30 kHz]	PI/2 BPSK	-23.60	15.15	10.25	2.54	V	< 2.00	0.193	22.86	1	187
		QPSK	-23.73	15.02	10.25	2.54	V		0.187	22.73		
		16-QAM	-24.81	13.94	10.25	2.54	V		0.146	21.65		
		64-QAM	-26.04	12.71	10.25	2.54	V		0.110	20.42		
		256-QAM	-28.20	10.55	10.25	2.54	V		0.067	18.26		
2592.990		PI/2 BPSK	-23.51	15.50	10.30	2.55	V		0.211	23.25	1	1
		QPSK	-23.57	15.44	10.30	2.55	V		0.208	23.19		
		16-QAM	-24.67	14.34	10.30	2.55	V		0.162	22.09		
		64-QAM	-25.95	13.06	10.30	2.55	V		0.121	20.81		
		256-QAM	-27.94	11.07	10.30	2.55	V		0.076	18.82		
2655.000		PI/2 BPSK	-24.81	14.33	10.50	2.68	V		0.164	22.15	1	1
		QPSK	-25.05	14.09	10.50	2.68	V		0.155	21.91		
		16-QAM	-25.89	13.25	10.50	2.68	V		0.128	21.07		
		64-QAM	-27.36	11.78	10.50	2.68	V		0.091	19.60		
		256-QAM	-29.52	9.62	10.50	2.68	V		0.055	17.44		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2536.020	Sub6 41/ 80 MHz [30 kHz]	PI/2 BPSK	-23.14	15.70	10.25	2.54	V	< 2.00	0.219	23.41	1	108
		QPSK	-23.20	15.64	10.25	2.54	V		0.216	23.35		
		16-QAM	-24.21	14.63	10.25	2.54	V		0.171	22.34		
		64-QAM	-25.65	13.19	10.25	2.54	V		0.123	20.90		
		256-QAM	-28.65	10.19	10.25	2.54	V		0.062	17.90		
2592.990		PI/2 BPSK	-23.46	15.55	10.30	2.55	V		0.214	23.30	1	1
		QPSK	-23.92	15.09	10.30	2.55	V		0.192	22.84		
		16-QAM	-24.69	14.32	10.30	2.55	V		0.161	22.07		
		64-QAM	-25.73	13.28	10.30	2.55	V		0.127	21.03		
		256-QAM	-28.31	10.70	10.30	2.55	V		0.070	18.45		
2649.990		PI/2 BPSK	-24.34	14.86	10.48	2.69	V		0.184	22.65	1	1
		QPSK	-24.68	14.52	10.48	2.69	V		0.170	22.31		
		16-QAM	-25.33	13.87	10.48	2.69	V		0.147	21.66		
		64-QAM	-27.12	12.08	10.48	2.69	V		0.097	19.87		
		256-QAM	-29.06	10.14	10.48	2.69	V		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
2541.000	Sub6 41/ 90 MHz [30 kHz]	PI/2 BPSK	-23.30	15.61	10.25	2.53	V	< 2.00	0.215	23.33	1	122
		QPSK	-23.33	15.58	10.25	2.53	V		0.214	23.30		
		16-QAM	-24.41	14.50	10.25	2.53	V		0.167	22.22		
		64-QAM	-25.96	12.95	10.25	2.53	V		0.117	20.67		
		256-QAM	-28.59	10.32	10.25	2.53	V		0.064	18.04		
2592.990		PI/2 BPSK	-23.36	15.65	10.30	2.55	V		0.219	23.40	1	1
		QPSK	-23.46	15.55	10.30	2.55	V		0.214	23.30		
		16-QAM	-24.68	14.33	10.30	2.55	V		0.161	22.08		
		64-QAM	-25.83	13.18	10.30	2.55	V		0.124	20.93		
		256-QAM	-27.80	11.21	10.30	2.55	V		0.079	18.96		
2644.980		PI/2 BPSK	-23.84	15.38	10.47	2.68	V		0.207	23.17	1	1
		QPSK	-24.35	14.87	10.47	2.68	V		0.185	22.66		
		16-QAM	-24.94	14.28	10.47	2.68	V		0.161	22.07		
		64-QAM	-26.46	12.76	10.47	2.68	V		0.114	20.55		
		256-QAM	-28.83	10.39	10.47	2.68	V		0.066	18.18		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol.	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2546.010	Sub6 41/ 100 MHz [30 kHz]	PI/2 BPSK	-23.29	15.67	10.25	2.53	V	< 2.00	0.218	23.39	1	136
		QPSK	-23.32	15.64	10.25	2.53	V		0.217	23.36		
		16-QAM	-24.63	14.33	10.25	2.53	V		0.160	22.05		
		64-QAM	-26.22	12.74	10.25	2.53	V		0.111	20.46		
		256-QAM	-28.97	9.99	10.25	2.53	V		0.059	17.71		
2592.990		PI/2 BPSK	-23.19	15.82	10.30	2.55	V		0.228	23.57	1	1
		QPSK	-23.36	15.65	10.30	2.55	V		0.219	23.40		
		16-QAM	-24.77	14.24	10.30	2.55	V		0.158	21.99		
		64-QAM	-25.82	13.19	10.30	2.55	V		0.124	20.94		
		256-QAM	-28.18	10.83	10.30	2.55	V		0.072	18.58		
2640.000		PI/2 BPSK	-23.73	15.53	10.45	2.68	V		0.214	23.30	1	1
		QPSK	-23.98	15.28	10.45	2.68	V		0.202	23.05		
		16-QAM	-24.95	14.31	10.45	2.68	V		0.161	22.08		
		64-QAM	-26.16	13.10	10.45	2.68	V		0.122	20.87		
		256-QAM	-28.17	11.09	10.45	2.68	V		0.077	18.86		

9.2 RADIATED SPURIOUS EMISSIONS

NR Band:	<u>n41</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	-55.86	10.91	-62.34	3.71	V	-55.14	-25.00	1	12
	7 503.03	-55.65	11.58	-57.78	4.60	V	-50.80	-25.00		
	10 004.04	-54.25	11.40	-53.88	5.47	H	-47.95	-25.00		
	12 505.05	-56.19	13.17	-52.57	6.10	H	-45.50	-25.00		
	15 006.06	-62.71	14.26	-44.69	6.78	V	-37.21	-25.00		
518598 (2592.990)	5 185.98	-54.10	11.18	-61.63	3.80	V	-54.25	-25.00	1	1
	7 778.97	-54.54	11.37	-55.10	4.70	H	-48.43	-25.00		
	10 371.96	-55.13	11.67	-54.65	5.55	V	-48.53	-25.00		
	12 964.95	-57.26	12.77	-52.42	6.35	V	-46.00	-25.00		
	15 557.94	-62.56	15.76	-44.21	6.89	V	-35.34	-25.00		
537000 (2685.000)	5 370.00	-54.82	11.59	-62.26	3.92	V	-54.59	-25.00	1	1
	8 055.00	-54.39	11.32	-53.74	4.81	V	-47.23	-25.00		
	10 740.00	-54.09	11.60	-53.52	5.64	H	-47.56	-25.00		
	13 425.00	-58.60	12.88	-50.18	6.41	V	-43.71	-25.00		
	16 110.00	-62.83	16.29	-47.07	7.10	V	-37.88	-25.00		

- NR Band: n41
- Bandwidth: 15 MHz
- Modulation: PI/2 BPSK
- Distance: 1 meter
- SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
500700 (2503.500)	5 007.00	-55.66	10.91	-62.20	3.71	V	-55.00	-25.00	1	19
	7 510.50	-55.17	11.59	-57.28	4.60	H	-50.29	-25.00		
	10 014.00	-53.97	11.39	-53.34	5.47	V	-47.42	-25.00		
	12 517.50	-56.99	13.15	-53.57	6.09	H	-46.51	-25.00		
	15 021.00	-63.21	14.29	-45.14	6.74	V	-37.59	-25.00		
518598 (2592.990)	5 185.98	-54.40	11.18	-61.93	3.80	V	-54.55	-25.00	1	1
	7 778.97	-55.04	11.37	-55.60	4.70	H	-48.93	-25.00		
	10 371.96	-55.63	11.67	-55.15	5.55	V	-49.03	-25.00		
	12 964.95	-56.46	12.77	-51.62	6.35	V	-45.20	-25.00		
	15 557.94	-62.86	15.76	-44.51	6.89	V	-35.64	-25.00		
536496 (2682.480)	5 364.96	-54.82	11.59	-62.33	3.91	V	-54.65	-25.00	1	1
	8 047.44	-54.22	11.30	-54.03	4.81	H	-47.54	-25.00		
	10 729.92	-54.99	11.60	-54.46	5.65	H	-48.51	-25.00		
	13 412.40	-58.64	12.90	-51.14	6.39	H	-44.63	-25.00		
	16 094.88	-61.93	16.28	-45.96	7.06	V	-36.74	-25.00		

- NR Band: n41
- Bandwidth: 20 MHz
- Modulation: PI/2 BPSK
- Distance: 1 meter
- SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
501204 (2506.020)	5 012.04	-54.43	10.91	-61.02	3.72	H	-53.83	-25.00	1	49
	7 518.06	-55.34	11.60	-57.71	4.61	H	-50.72	-25.00		
	10 024.08	-51.97	11.39	-51.22	5.47	V	-45.30	-25.00		
	12 530.10	-55.86	13.14	-52.32	6.10	V	-45.28	-25.00		
	15 036.12	-62.94	14.33	-45.11	6.74	V	-37.52	-25.00		
518598 (2592.990)	5 185.98	-54.07	11.18	-61.60	3.80	V	-54.22	-25.00	1	1
	7 778.97	-55.39	11.37	-55.95	4.70	V	-49.28	-25.00		
	10 371.96	-54.81	11.67	-54.33	5.55	V	-48.21	-25.00		
	12 964.95	-57.03	12.77	-52.19	6.35	H	-45.77	-25.00		
	15 557.94	-62.72	15.76	-44.37	6.89	H	-35.50	-25.00		
535998 (2679.990)	5 359.98	-55.96	11.58	-63.53	3.90	V	-55.85	-25.00	1	1
	8 039.97	-54.77	11.29	-54.76	4.80	V	-48.27	-25.00		
	10 719.96	-53.60	11.60	-53.45	5.64	V	-47.49	-25.00		
	13 399.95	-56.53	12.91	-49.19	6.38	V	-42.66	-25.00		
	16 079.94	-61.65	16.25	-45.32	7.02	V	-36.09	-25.00		

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

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
502200 (2511.000)	5 022.00	-55.86	10.90	-62.34	3.69	V	-55.13	-25.00	1	76
	7 533.00	-56.25	11.62	-58.68	4.61	V	-51.67	-25.00		
	10 044.00	-53.35	11.38	-52.87	5.48	H	-46.97	-25.00		
	12 555.00	-56.59	13.11	-52.91	6.22	H	-46.02	-25.00		
	15 066.00	-62.71	14.40	-44.67	6.80	V	-37.07	-25.00		
518598 (2592.990)	5 185.98	-53.40	11.18	-60.93	3.80	V	-53.55	-25.00	1	1
	7 778.97	-54.74	11.37	-55.30	4.70	H	-48.63	-25.00		
	10 371.96	-54.23	11.67	-53.75	5.55	V	-47.63	-25.00		
	12 964.95	-57.36	12.77	-52.52	6.35	V	-46.10	-25.00		
	15 557.94	-61.96	15.76	-43.61	6.89	V	-34.74	-25.00		
534996 (2674.980)	5 349.96	-55.12	11.57	-62.16	3.85	V	-54.44	-25.00	1	1
	8 024.94	-55.39	11.27	-55.20	4.79	V	-48.72	-25.00		
	10 699.92	-53.39	11.61	-53.07	5.67	H	-47.13	-25.00		
	13 374.90	-57.90	12.95	-51.00	6.34	V	-44.39	-25.00		
	16 049.88	-62.31	16.21	-46.19	7.02	H	-37.00	-25.00		

■ NR Band: n41
 ■ Bandwidth: 40 MHz
 ■ Modulation: PI/2 BPSK
 ■ Distance: 1 meter
 ■ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
503202 (2516.010)	5 032.02	-56.43	10.90	-63.37	3.67	V	-56.14	-25.00	1	104
	7 548.03	-55.55	11.63	-57.93	4.63	V	-50.93	-25.00		
	10 064.04	-54.75	11.37	-54.22	5.47	H	-48.32	-25.00		
	12 580.05	-56.19	13.07	-52.47	6.25	H	-45.65	-25.00		
	15 096.06	-62.07	14.47	-44.31	6.81	H	-36.65	-25.00		
518598 (2592.990)	5 185.98	-54.73	11.18	-62.26	3.80	H	-54.88	-25.00	1	1
	7 778.97	-54.94	11.37	-55.50	4.70	H	-48.83	-25.00		
	10 371.96	-54.23	11.67	-53.75	5.55	V	-47.63	-25.00		
	12 964.95	-56.46	12.77	-51.62	6.35	V	-45.20	-25.00		
	15 557.94	-61.56	15.76	-43.21	6.89	V	-34.34	-25.00		
534000 (2670.000)	5 340.00	-55.50	11.56	-62.78	3.80	H	-55.02	-25.00	1	1
	8 010.00	-54.69	11.24	-54.69	4.77	V	-48.22	-25.00		
	10 680.00	-54.79	11.61	-54.41	5.71	H	-48.51	-25.00		
	13 350.00	-57.64	12.98	-51.09	6.38	H	-44.49	-25.00		
	16 020.00	-62.61	16.17	-45.93	7.02	H	-36.78	-25.00		

■ NR Band: n41
 ■ Bandwidth: 50 MHz
 ■ Modulation: PI/2 BPSK
 ■ Distance: 1 meter
 ■ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
504204 (2521.020)	5 042.04	-53.97	10.90	-60.64	3.68	V	-53.42	-25.00	1	131
	7 563.06	-54.42	11.64	-56.62	4.64	V	-49.62	-25.00		
	10 084.08	-53.69	11.36	-53.19	5.46	V	-47.29	-25.00		
	12 605.10	-55.11	13.02	-51.32	6.18	V	-44.48	-25.00		
	15 126.12	-60.81	14.55	-42.81	6.79	V	-35.05	-25.00		
518598 (2592.990)	5 185.98	-52.92	11.18	-60.45	3.80	V	-53.07	-25.00	1	1
	7 778.97	-55.01	11.37	-55.57	4.70	H	-48.90	-25.00		
	10 371.96	-55.02	11.67	-54.54	5.55	H	-48.42	-25.00		
	12 964.95	-56.98	12.77	-52.14	6.35	H	-45.72	-25.00		
	15 557.94	-63.25	15.76	-44.90	6.89	H	-36.03	-25.00		
532998 (2664.990)	5 329.98	-54.64	11.55	-62.18	3.77	H	-54.40	-25.00	1	1
	7 994.97	-54.55	11.22	-54.45	4.77	H	-48.00	-25.00		
	10 659.96	-54.56	11.61	-53.92	5.67	H	-47.98	-25.00		
	13 324.95	-56.84	13.03	-50.40	6.45	H	-43.82	-25.00		
	15 989.94	-61.74	16.14	-44.16	7.02	H	-35.04	-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	-55.20	10.90	-61.93	3.73	V	-54.76	-25.00	1	160
	7 578.00	-55.87	11.65	-58.15	4.65	H	-51.15	-25.00		
	10 104.00	-54.67	11.35	-54.11	5.46	V	-48.22	-25.00		
	12 630.00	-55.29	12.97	-51.26	6.23	H	-44.52	-25.00		
	15 156.00	-62.57	14.63	-44.53	6.80	H	-36.70	-25.00		
518598 (2592.990)	5 185.98	-54.50	11.18	-62.03	3.80	V	-54.65	-25.00	1	1
	7 778.97	-54.44	11.37	-55.00	4.70	H	-48.33	-25.00		
	10 371.96	-54.73	11.67	-54.25	5.55	V	-48.13	-25.00		
	12 964.95	-57.36	12.77	-52.52	6.35	V	-46.10	-25.00		
	15 557.94	-61.76	15.76	-43.41	6.89	V	-34.54	-25.00		
531996 (2659.980)	5 319.96	-54.22	11.54	-61.57	3.79	V	-53.82	-25.00	1	1
	7 979.94	-54.89	11.20	-54.97	4.79	V	-48.56	-25.00		
	10 639.92	-53.69	11.62	-53.65	5.61	H	-47.64	-25.00		
	13 299.90	-57.70	13.08	-51.65	6.39	V	-44.96	-25.00		
	15 959.88	-62.43	16.11	-44.84	6.98	V	-35.71	-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	-55.20	10.91	-62.03	3.78	V	-54.90	-25.00	1	187
	7 593.03	-55.05	11.66	-57.28	4.64	V	-50.26	-25.00		
	10 124.04	-54.27	11.34	-53.30	5.47	V	-47.43	-25.00		
	12 655.05	-56.29	12.91	-52.29	6.26	H	-45.64	-25.00		
	15 186.06	-63.61	14.72	-45.55	6.82	V	-37.65	-25.00		
518598 (2592.990)	5 185.98	-53.40	11.18	-60.93	3.80	V	-53.55	-25.00	1	1
	7 778.97	-54.24	11.37	-54.80	4.70	H	-48.13	-25.00		
	10 371.96	-55.44	11.67	-54.96	5.55	H	-48.84	-25.00		
	12 964.95	-57.76	12.77	-52.92	6.35	V	-46.50	-25.00		
	15 557.94	-62.06	15.76	-43.71	6.89	V	-34.84	-25.00		
531000 (2655.000)	5 310.00	-54.10	11.53	-61.56	3.82	H	-53.85	-25.00	1	1
	7 965.00	-53.69	11.17	-53.61	4.80	V	-47.24	-25.00		
	10 620.00	-53.79	11.62	-53.54	5.65	H	-47.57	-25.00		
	13 275.00	-57.64	13.11	-51.69	6.35	H	-44.93	-25.00		
	15 930.00	-63.73	16.09	-45.31	7.00	V	-36.22	-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	-55.49	10.92	-62.25	3.80	H	-55.13	-25.00	1	108
	7 608.06	-54.75	11.65	-56.93	4.64	V	-49.92	-25.00		
	10 144.08	-53.25	11.33	-52.72	5.48	H	-46.87	-25.00		
	12 680.10	-55.19	12.87	-51.15	6.23	H	-44.51	-25.00		
	15 216.12	-62.11	14.82	-43.67	6.82	V	-35.67	-25.00		
518598 (2592.990)	5 185.98	-53.10	11.18	-60.63	3.80	V	-53.25	-25.00	1	1
	7 778.97	-54.64	11.37	-55.20	4.70	H	-48.53	-25.00		
	10 371.96	-54.13	11.67	-53.65	5.55	V	-47.53	-25.00		
	12 964.95	-56.96	12.77	-52.12	6.35	V	-45.70	-25.00		
	15 557.94	-62.86	15.76	-44.51	6.89	V	-35.64	-25.00		
529998 (2649.990)	5 299.98	-54.30	11.52	-61.72	3.83	H	-54.03	-25.00	1	1
	7 949.97	-54.79	11.15	-55.08	4.78	V	-48.71	-25.00		
	10 599.96	-53.19	11.63	-52.95	5.67	H	-46.99	-25.00		
	13 249.95	-57.80	13.13	-52.06	6.43	V	-45.36	-25.00		
	15 899.94	-62.53	16.07	-44.91	7.00	V	-35.84	-25.00		

☐ NR Band: n41
☐ Bandwidth: 90 MHz
☐ Modulation: PI/2 BPSK
☐ Distance: 1 meter
☐ SCS: 30 kHz

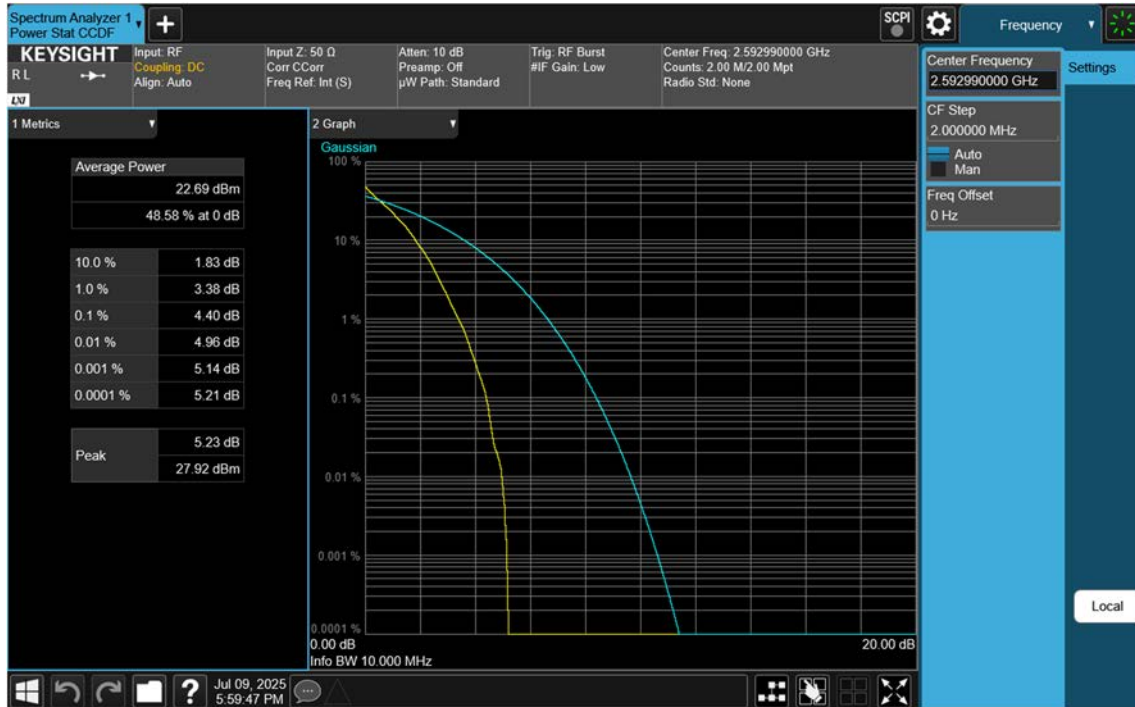
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									Size	Offset
508200 (2541.000)	5 082.00	-55.39	10.93	-62.25	3.81	H	-55.13	-25.00	1	122
	7 623.00	-54.85	11.65	-56.99	4.65	V	-49.99	-25.00		
	10 164.00	-53.75	11.34	-53.46	5.50	H	-47.62	-25.00		
	12 705.00	-57.19	12.83	-53.08	6.20	H	-46.45	-25.00		
	15 246.00	-62.41	14.92	-44.01	6.84	V	-35.93	-25.00		
518598 (2592.990)	5 185.98	-53.10	11.18	-60.63	3.80	V	-53.25	-25.00	1	1
	7 778.97	-55.34	11.37	-55.90	4.70	H	-49.23	-25.00		
	10 371.96	-54.13	11.67	-53.65	5.55	V	-47.53	-25.00		
	12 964.95	-58.26	12.77	-53.42	6.35	V	-47.00	-25.00		
	15 557.94	-63.16	15.76	-44.81	6.89	V	-35.94	-25.00		
528996 (2644.980)	5 289.96	-54.30	11.50	-61.27	3.83	H	-53.60	-25.00	1	1
	7 934.94	-55.09	11.16	-55.05	4.77	V	-48.66	-25.00		
	10 579.92	-54.19	11.64	-54.06	5.65	H	-48.07	-25.00		
	13 224.90	-58.30	13.12	-52.32	6.43	V	-45.63	-25.00		
	15 869.88	-62.93	16.05	-44.95	6.97	V	-35.87	-25.00		

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

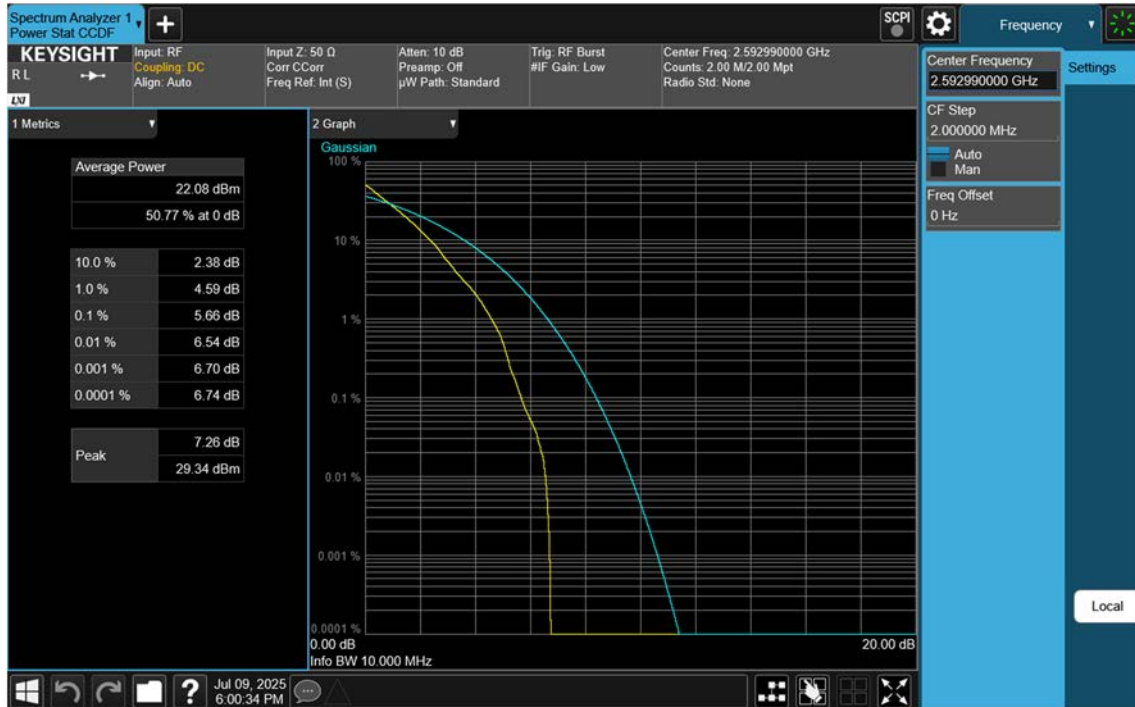
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									Size	Offset
509202 (2546.010)	5 092.02	-53.63	10.94	-60.50	3.78	V	-53.34	-25.00	1	136
	7 638.03	-54.65	11.64	-56.72	4.68	V	-49.76	-25.00		
	10 184.04	-54.10	11.35	-53.51	5.52	H	-47.68	-25.00		
	12 730.05	-55.74	12.80	-52.11	6.21	H	-45.52	-25.00		
	15 276.06	-62.15	15.00	-43.52	6.82	V	-35.34	-25.00		
518598 (2592.990)	5 185.98	-54.11	11.18	-61.64	3.80	H	-54.26	-25.00	1	1
	7 778.97	-54.67	11.37	-55.23	4.70	H	-48.56	-25.00		
	10 371.96	-54.58	11.67	-54.10	5.55	H	-47.98	-25.00		
	12 964.95	-57.33	12.77	-52.49	6.35	H	-46.07	-25.00		
	15 557.94	-62.10	15.79	-43.78	6.89	V	-34.88	-25.00		
528000 (2640.000)	5 280.00	-53.87	11.47	-61.25	3.80	V	-53.58	-25.00	1	1
	7 920.00	-54.08	11.16	-54.31	4.77	V	-47.92	-25.00		
	10 560.00	-53.07	11.66	-53.30	5.63	H	-47.27	-25.00		
	13 200.00	-56.77	13.11	-50.65	6.33	V	-43.87	-25.00		
	15 840.00	-60.78	16.05	-42.85	6.99	V	-33.79	-25.00		

10. TEST PLOTS

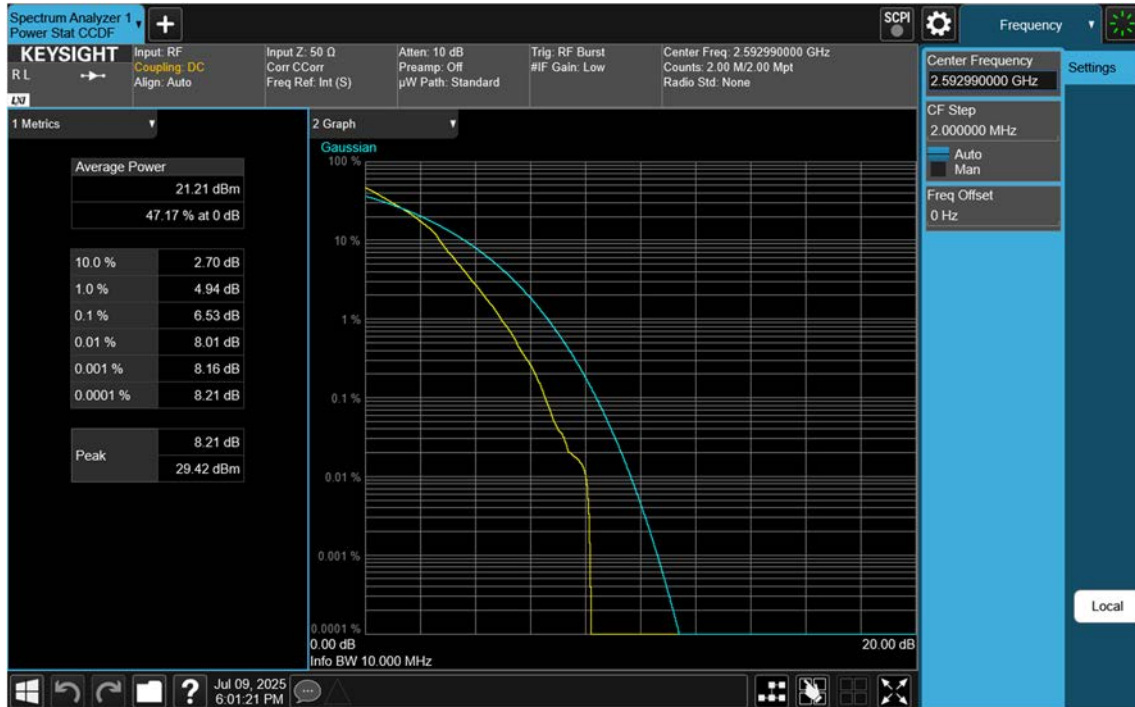
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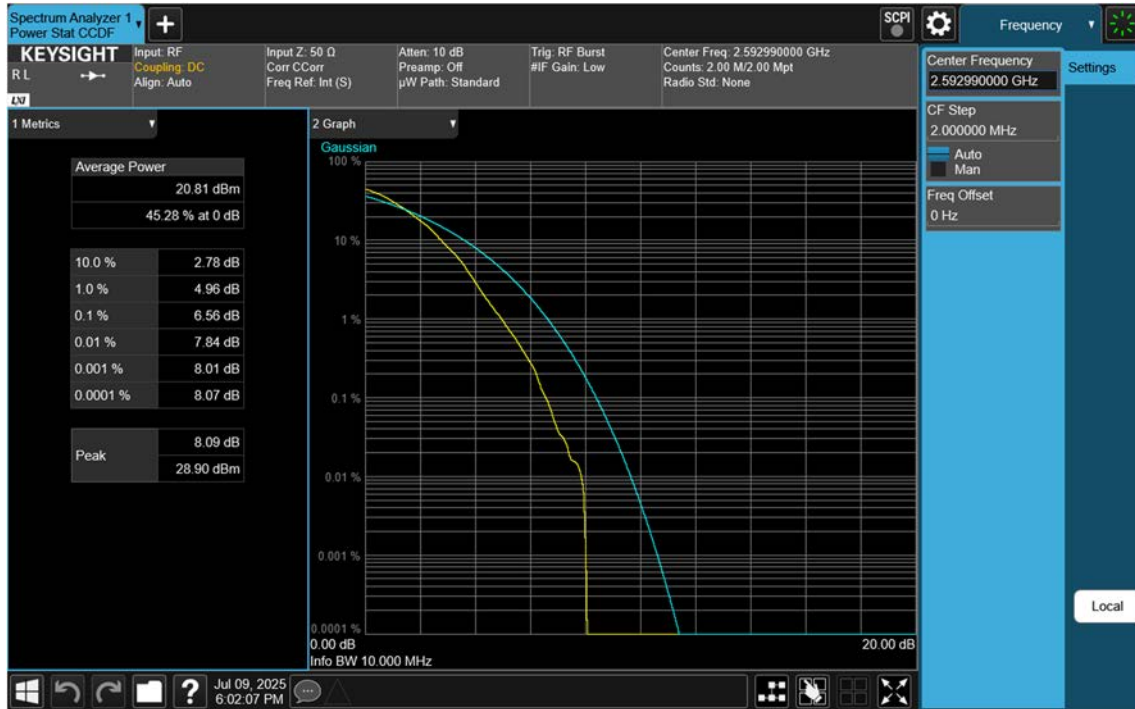
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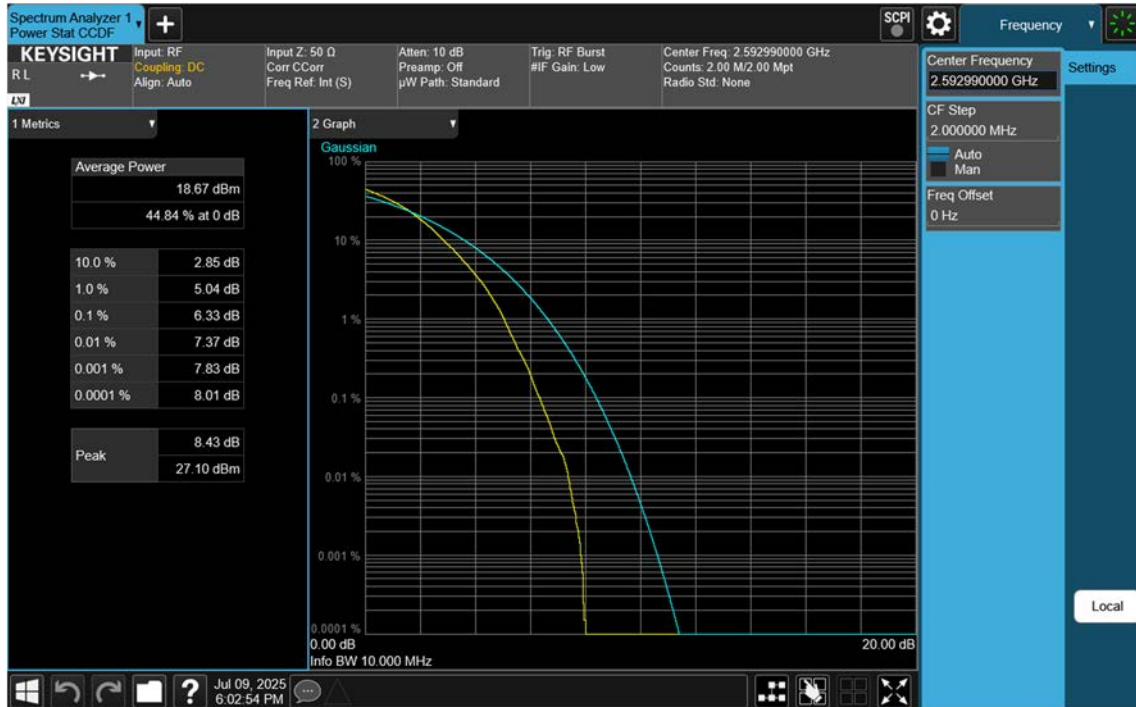
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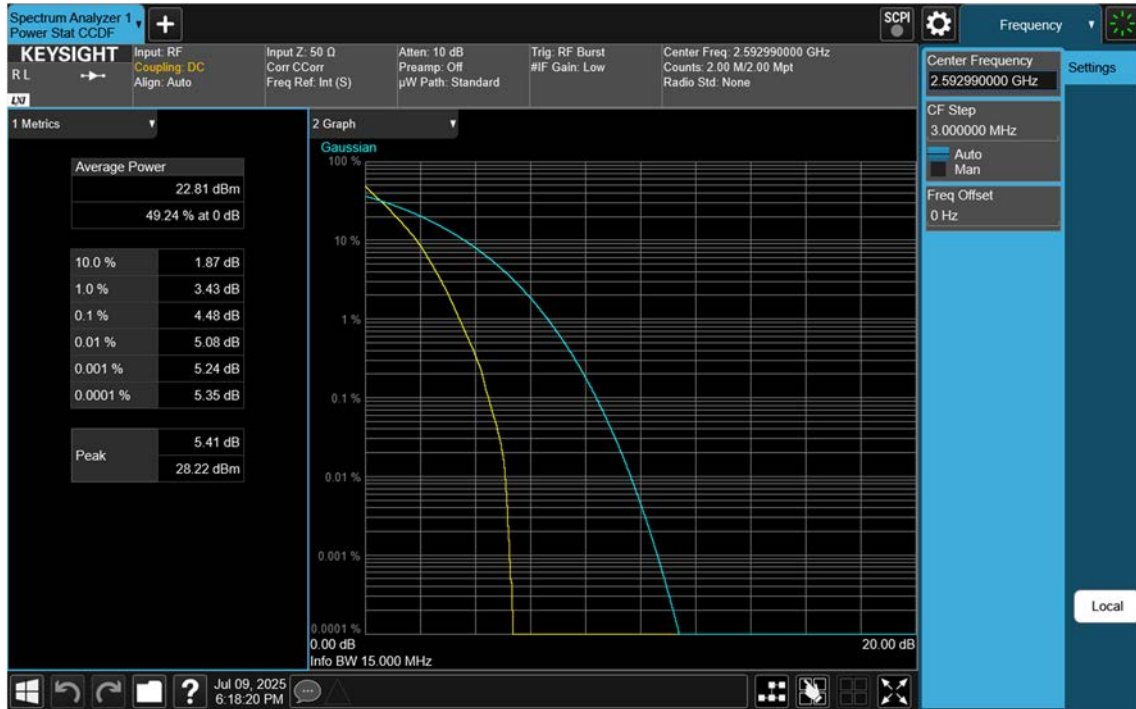
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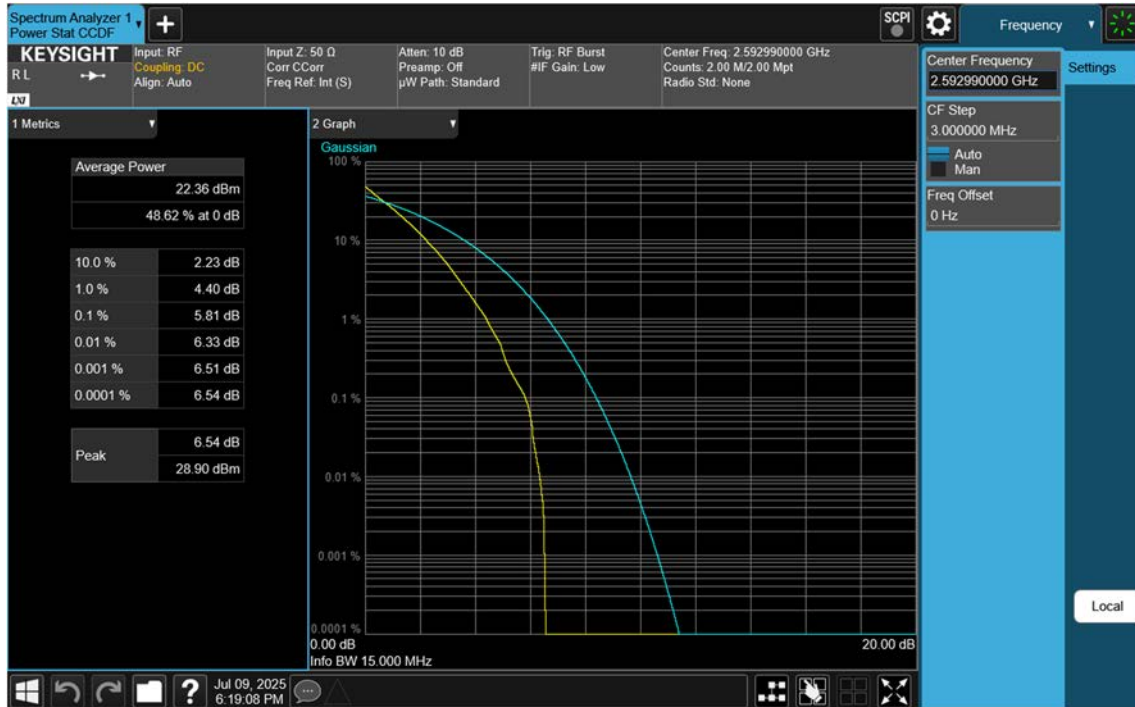
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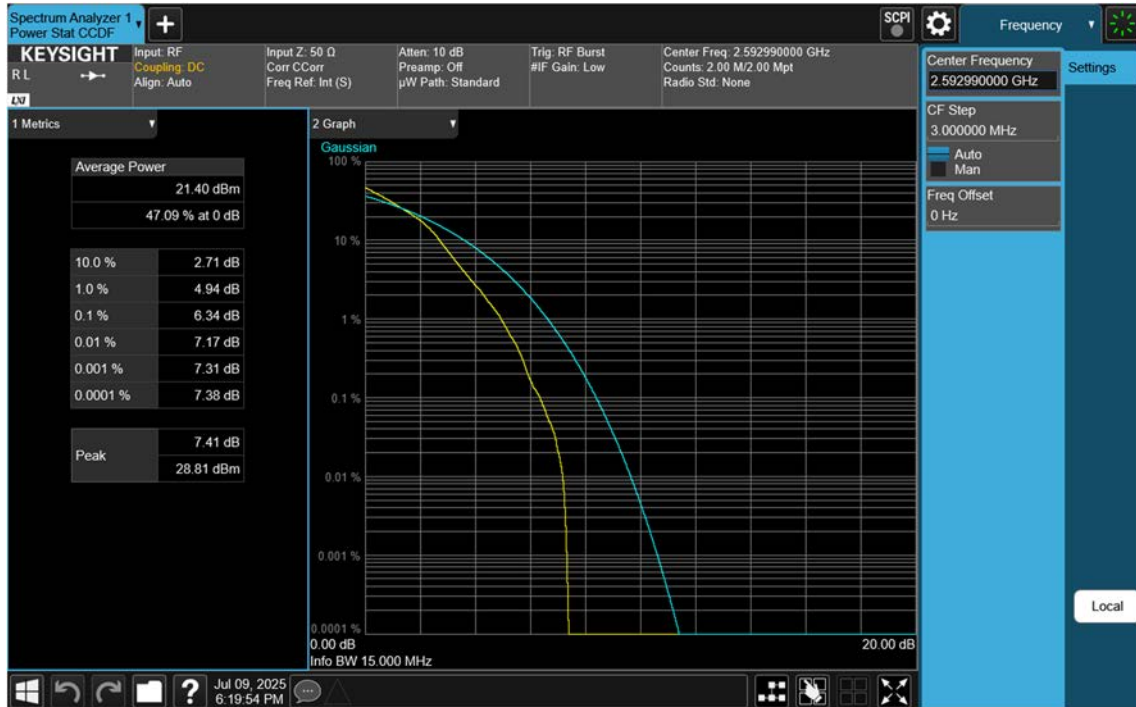
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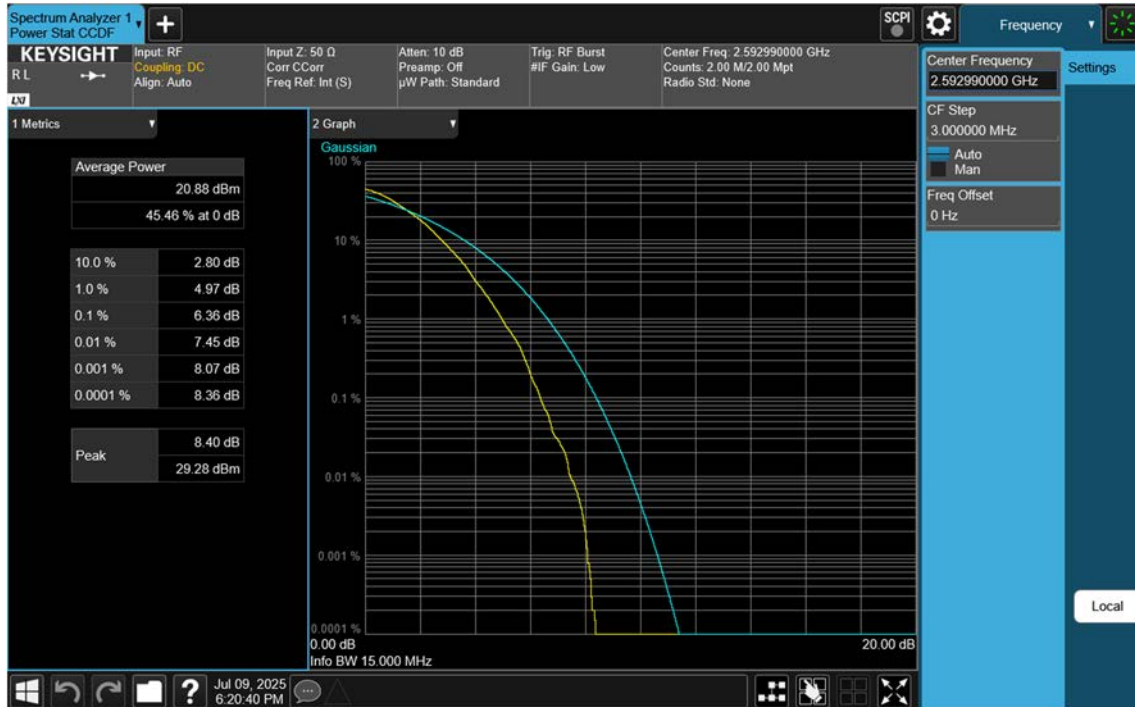
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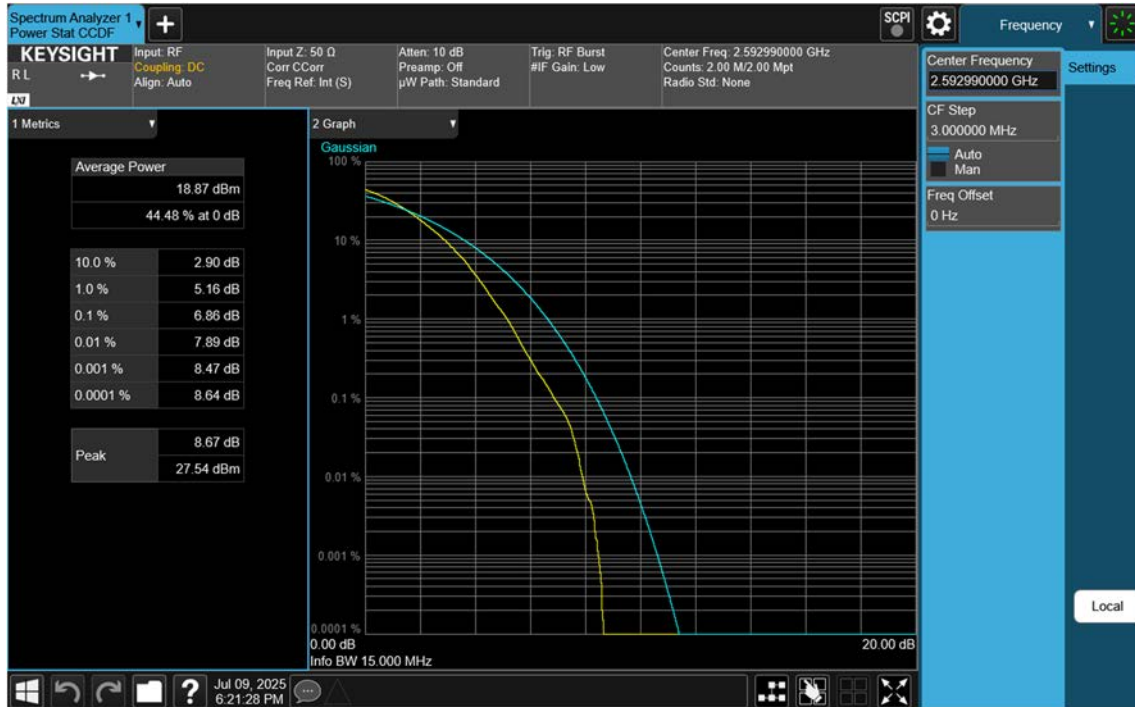
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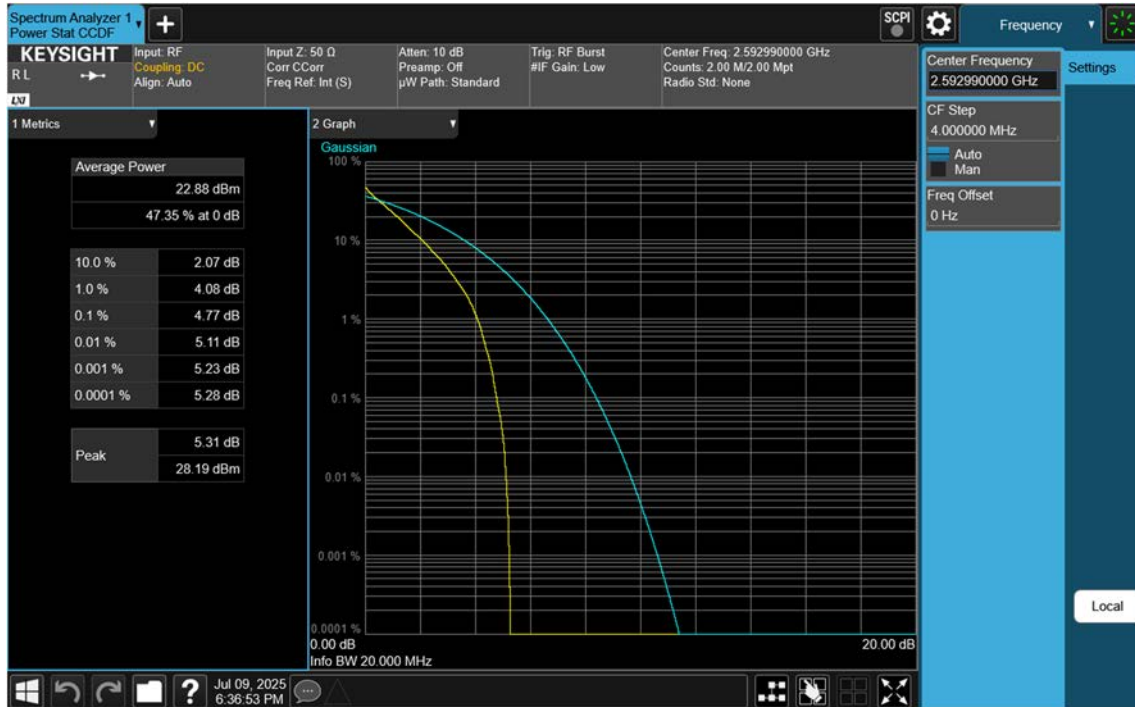
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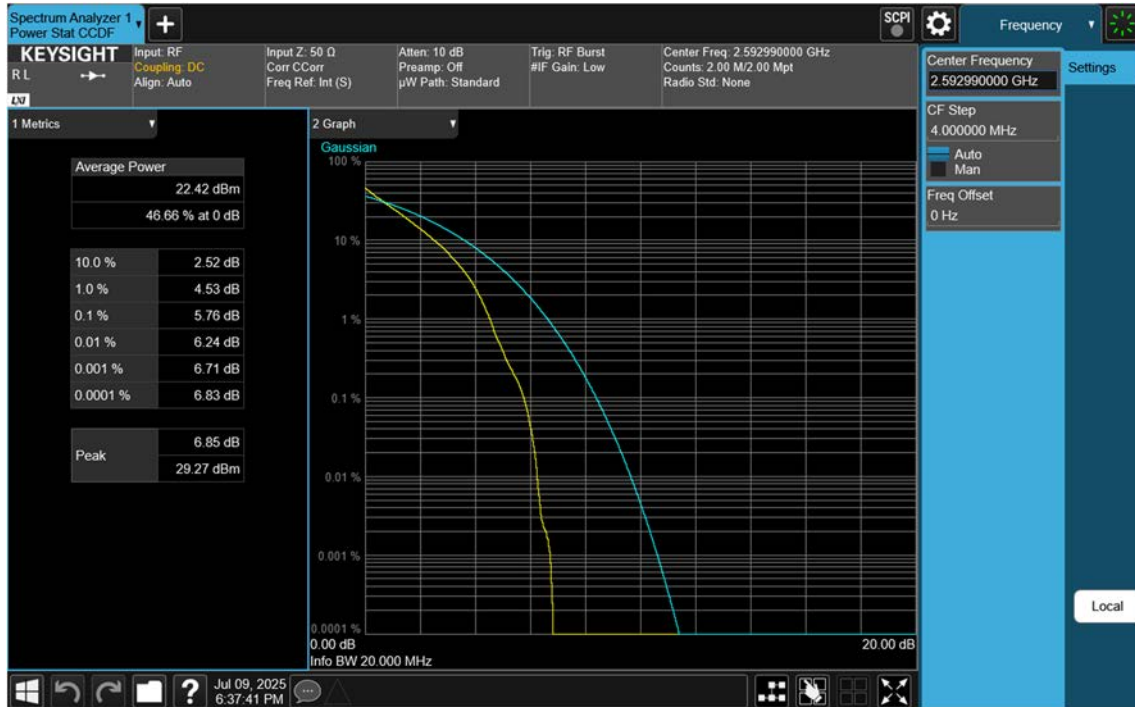
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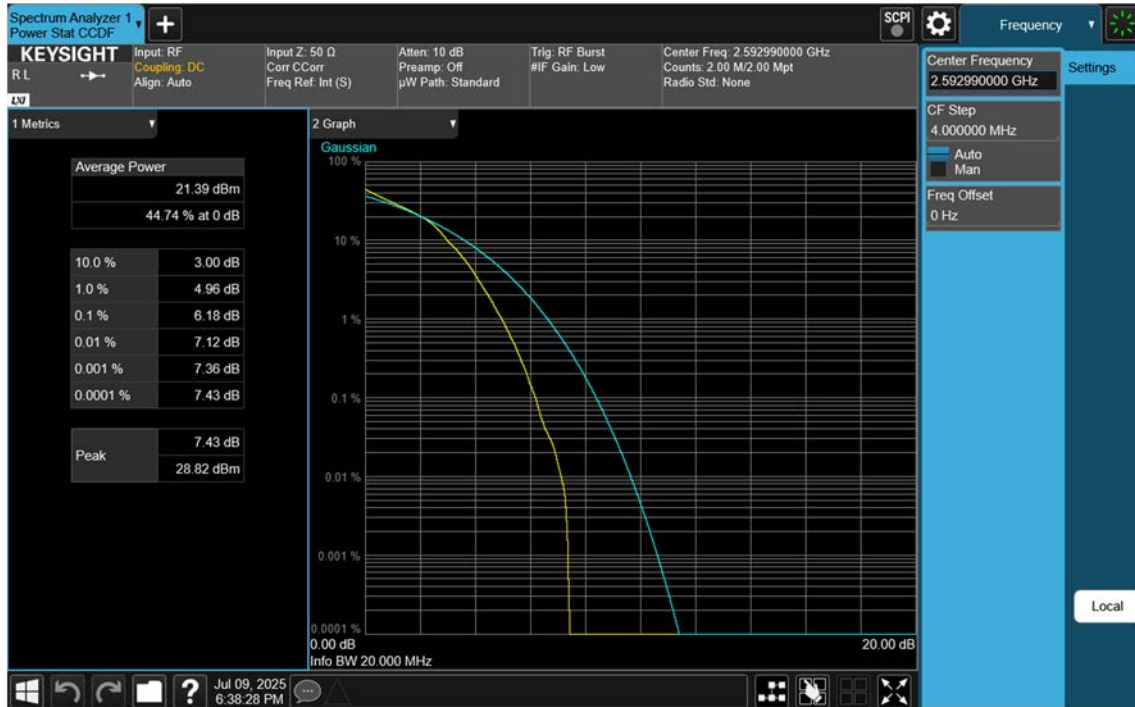
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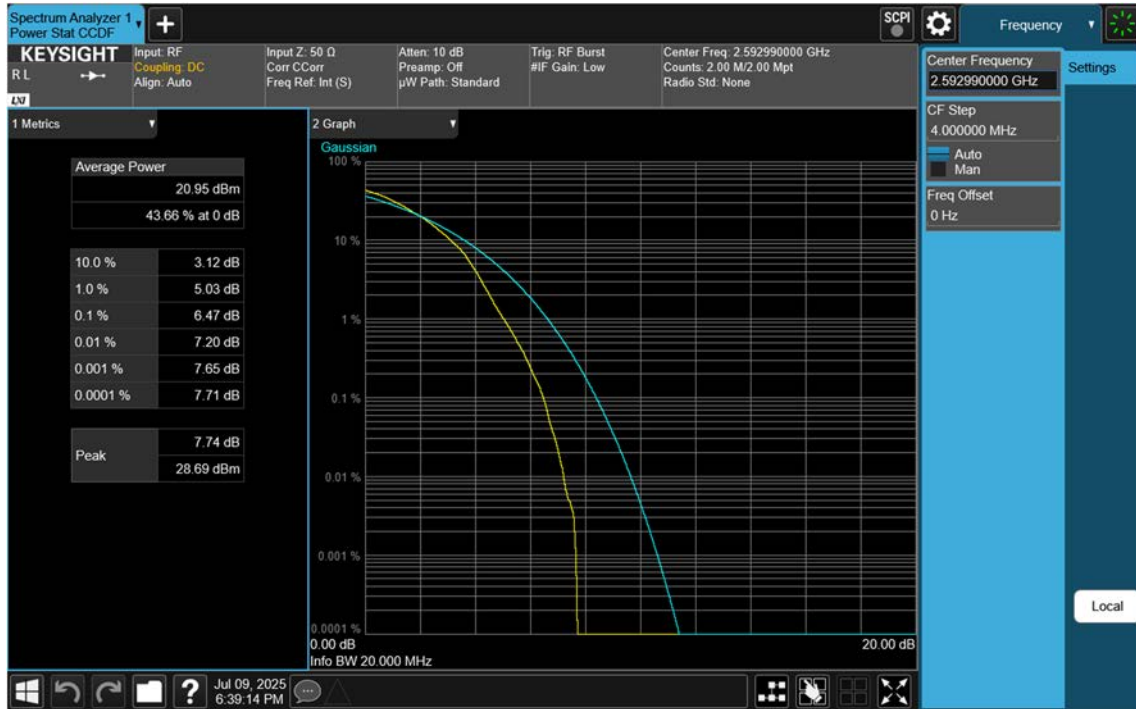
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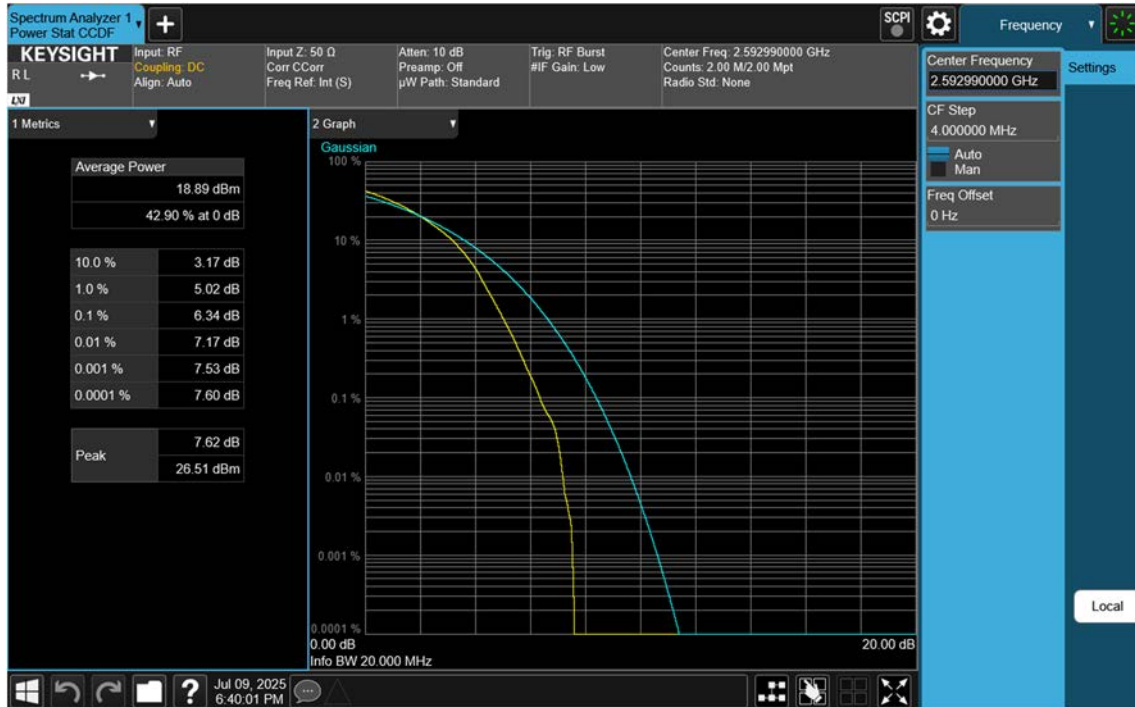
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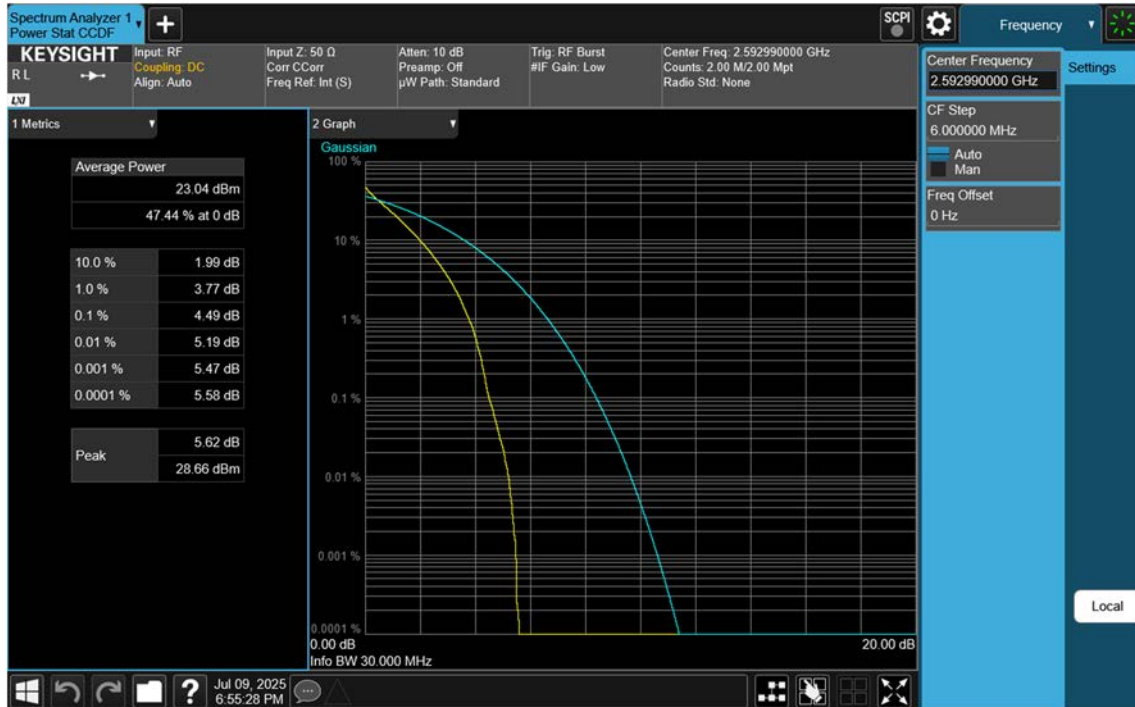
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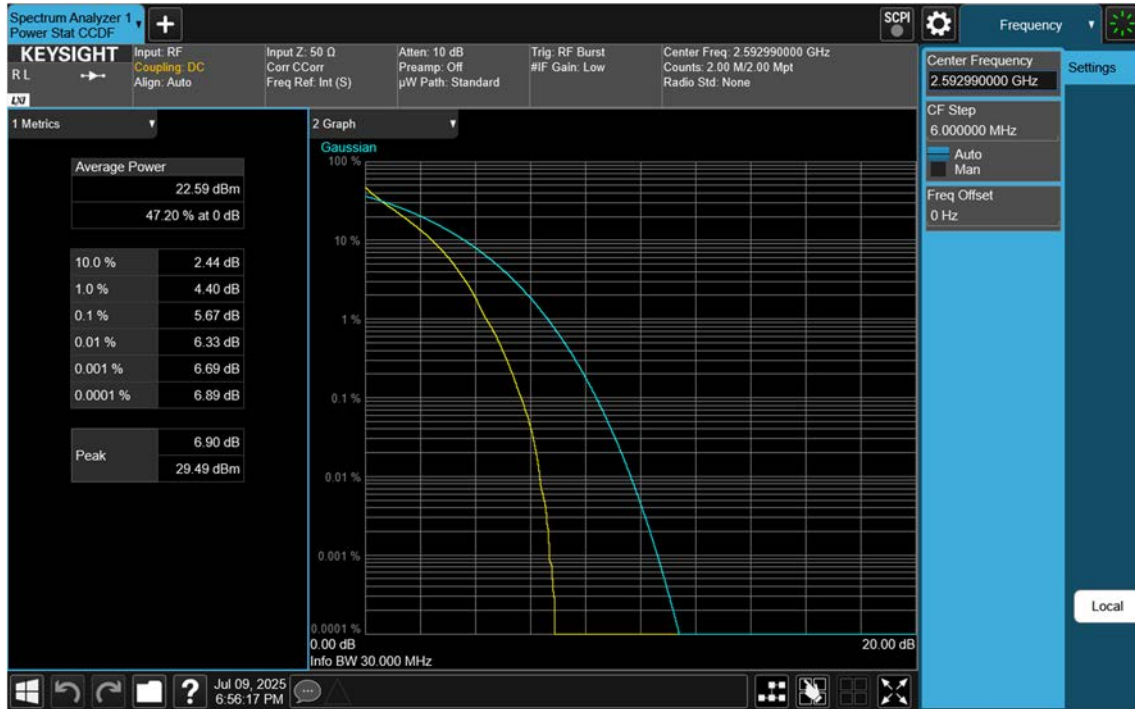
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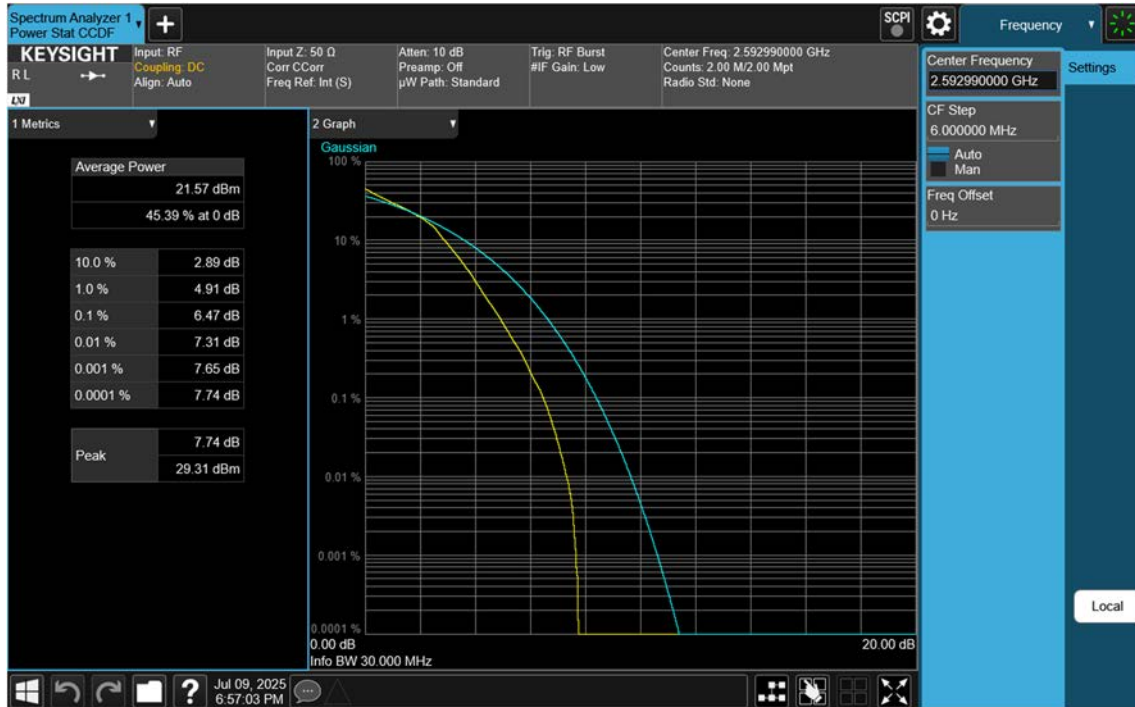
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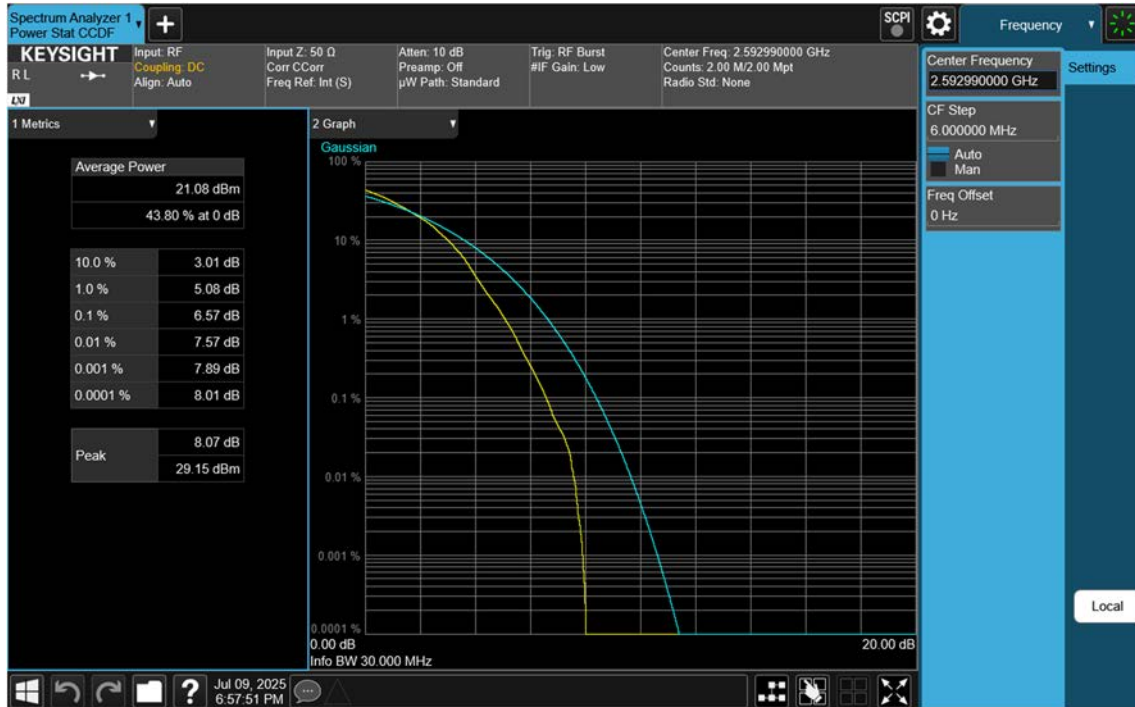
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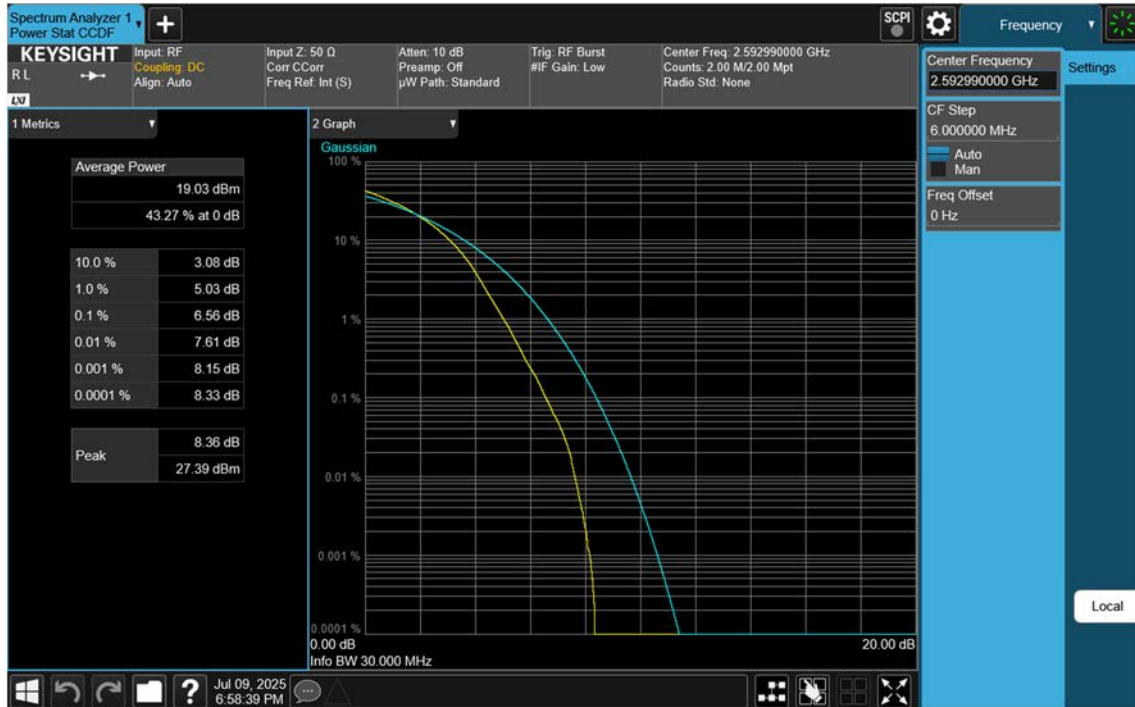
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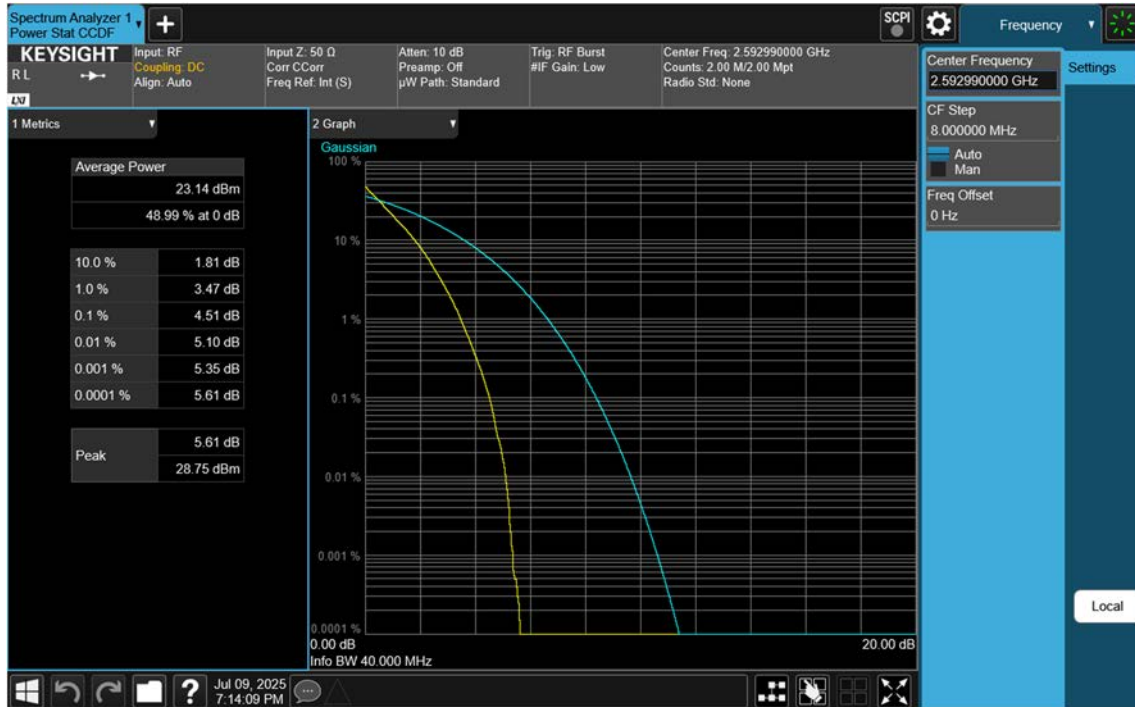
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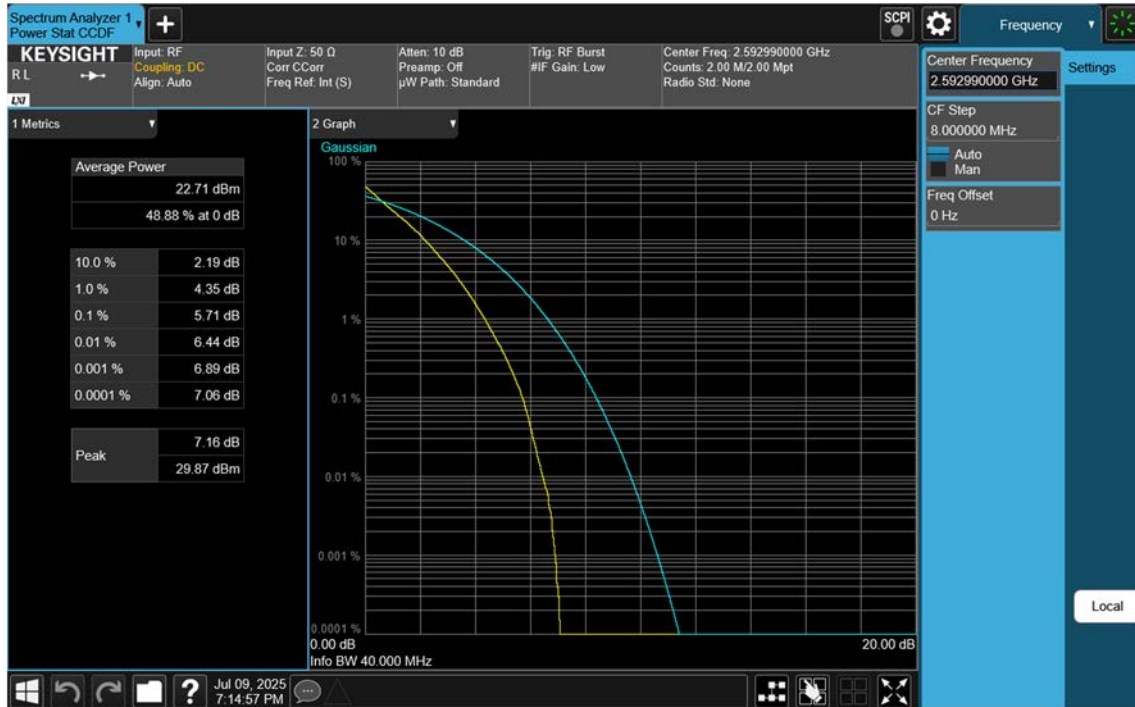
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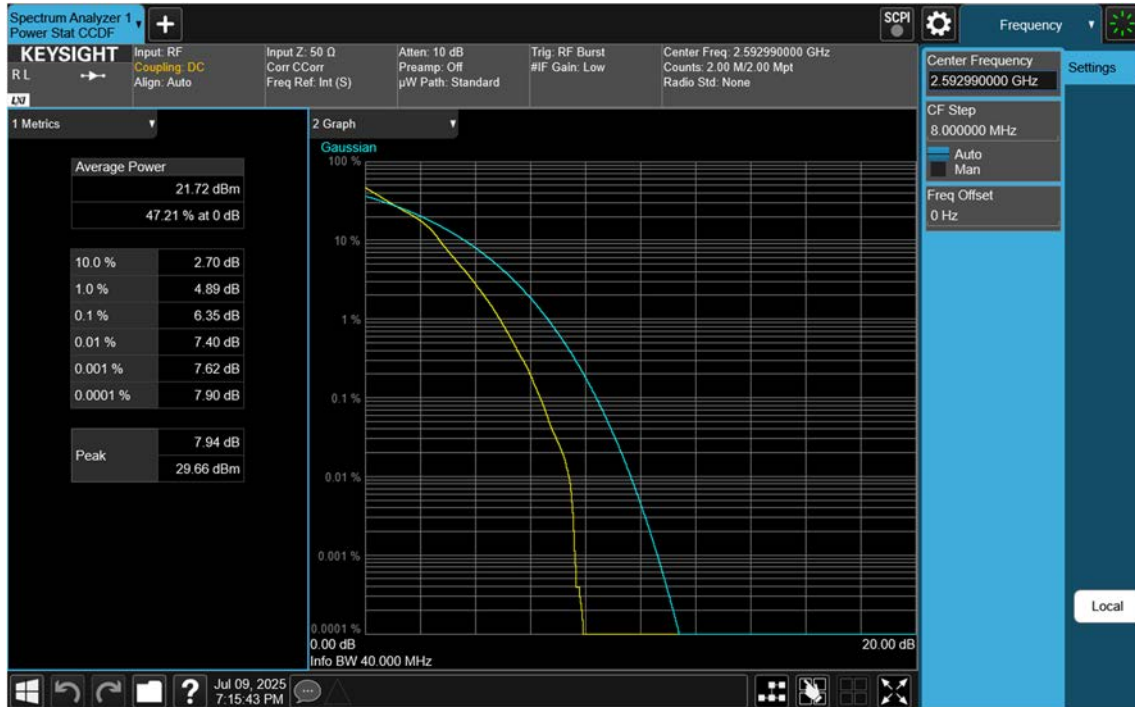
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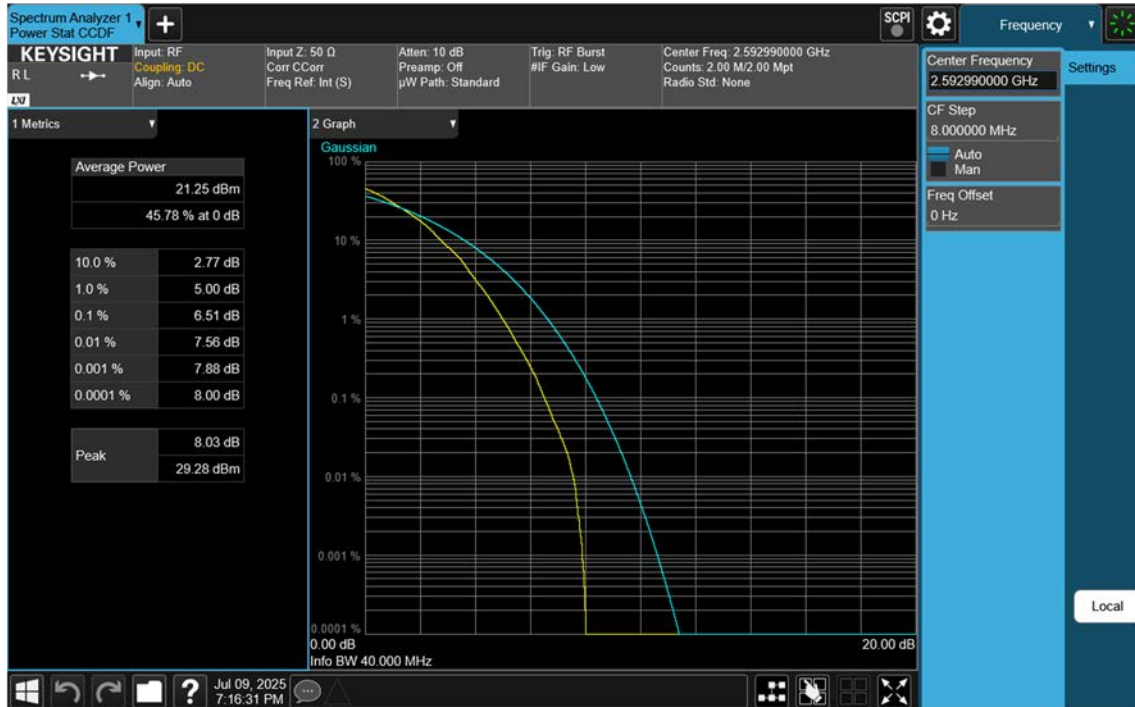
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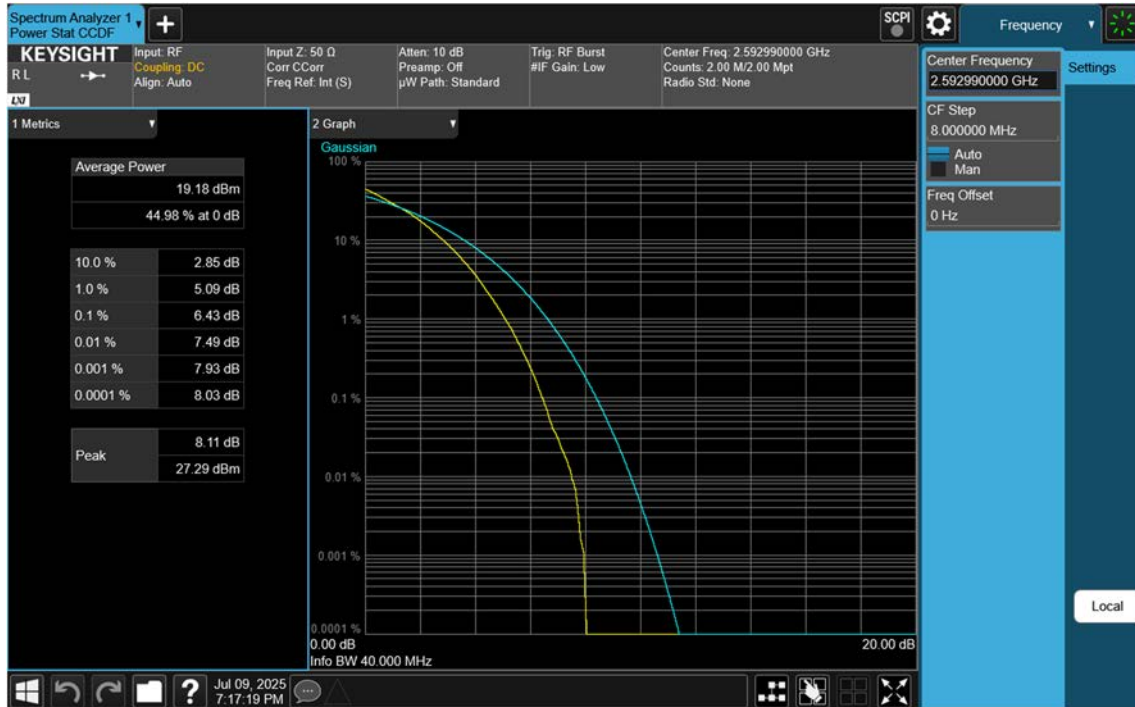
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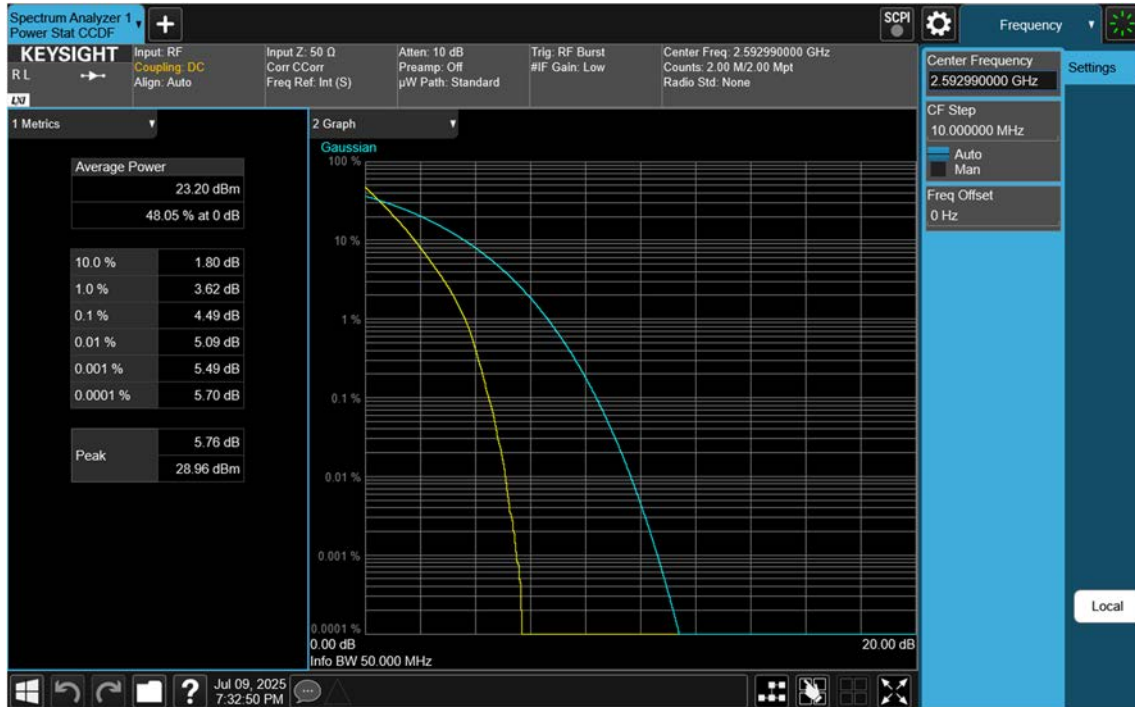
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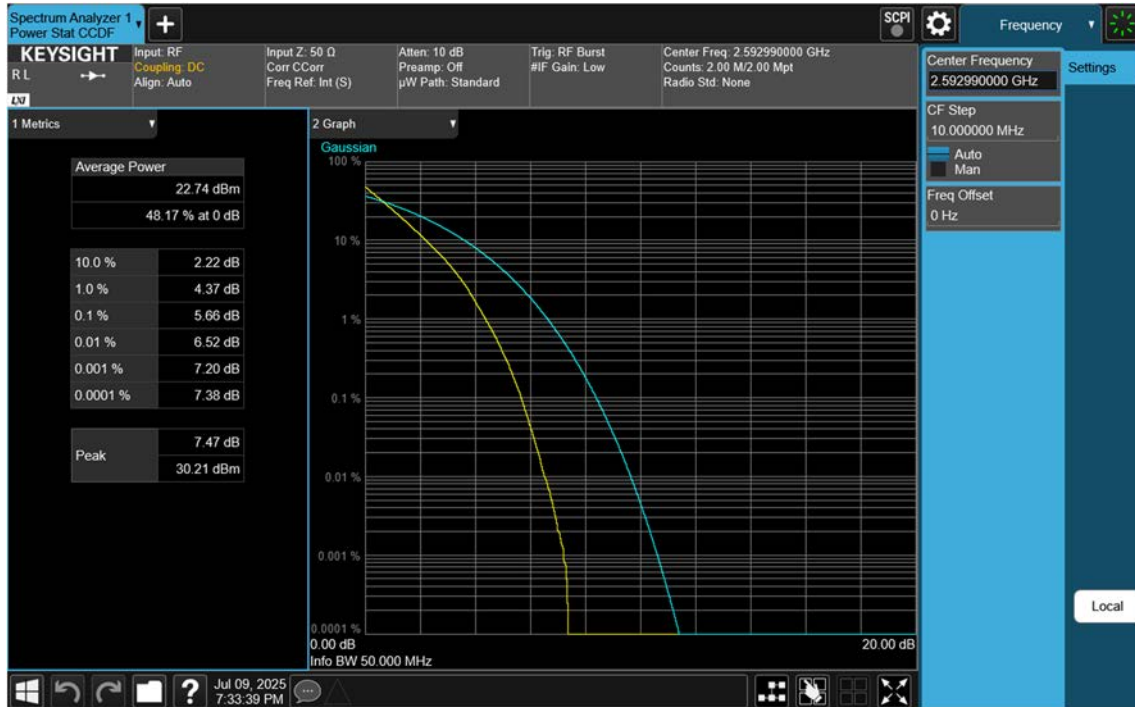
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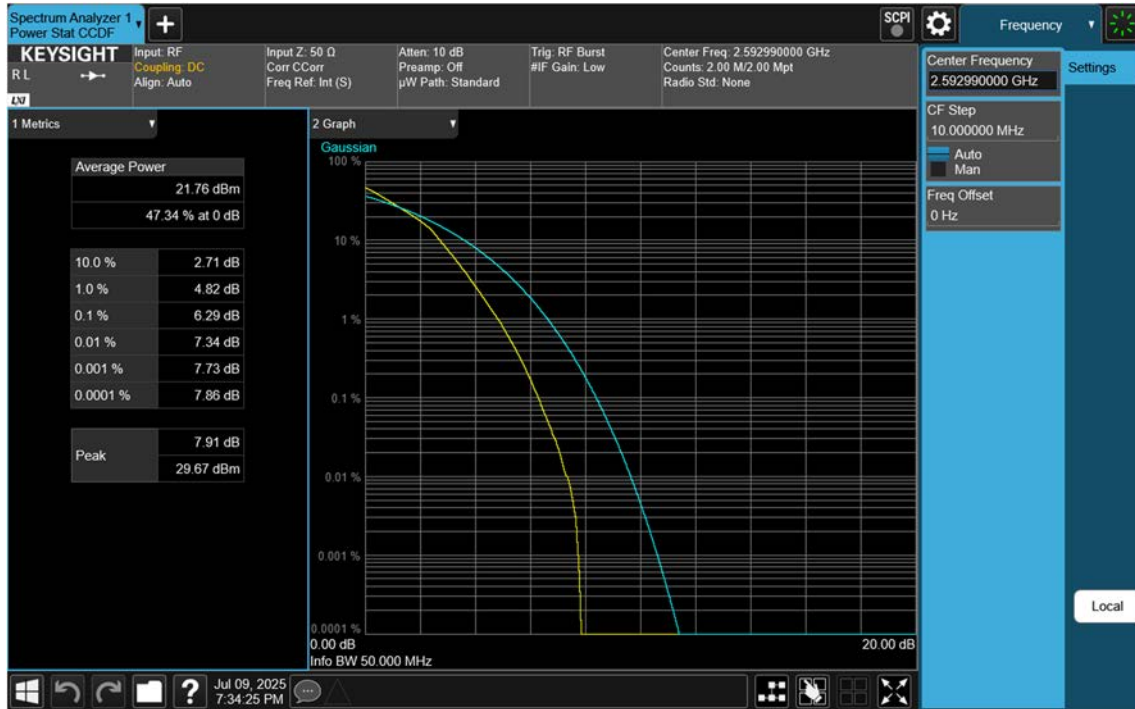
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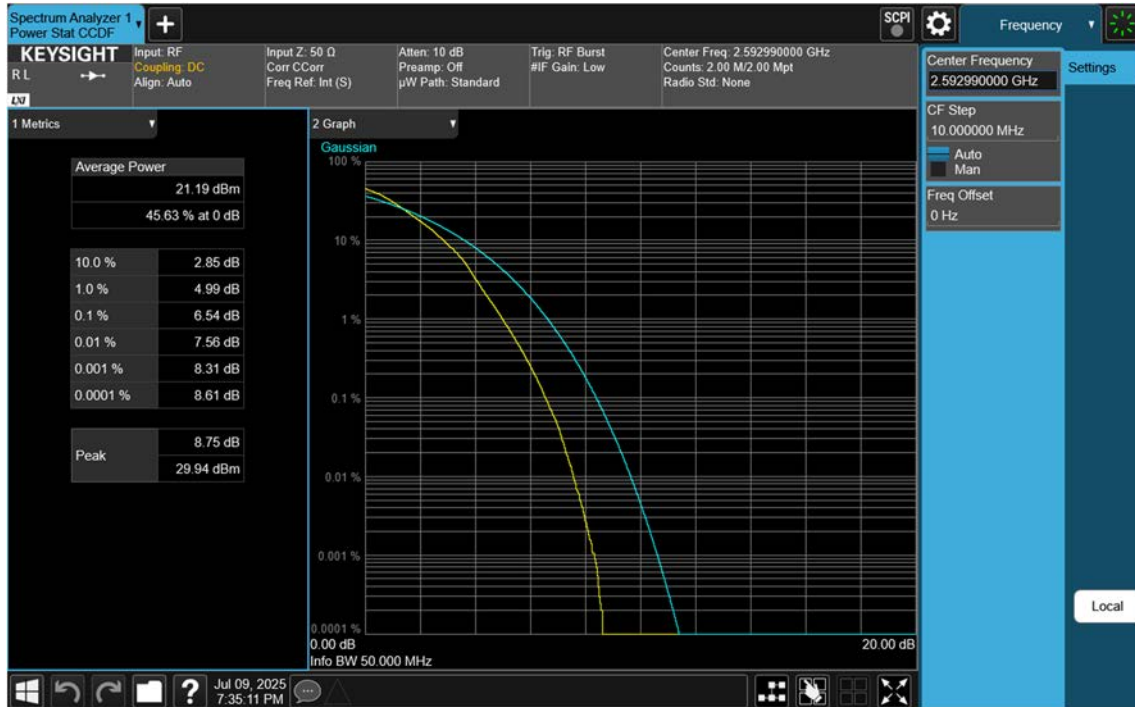
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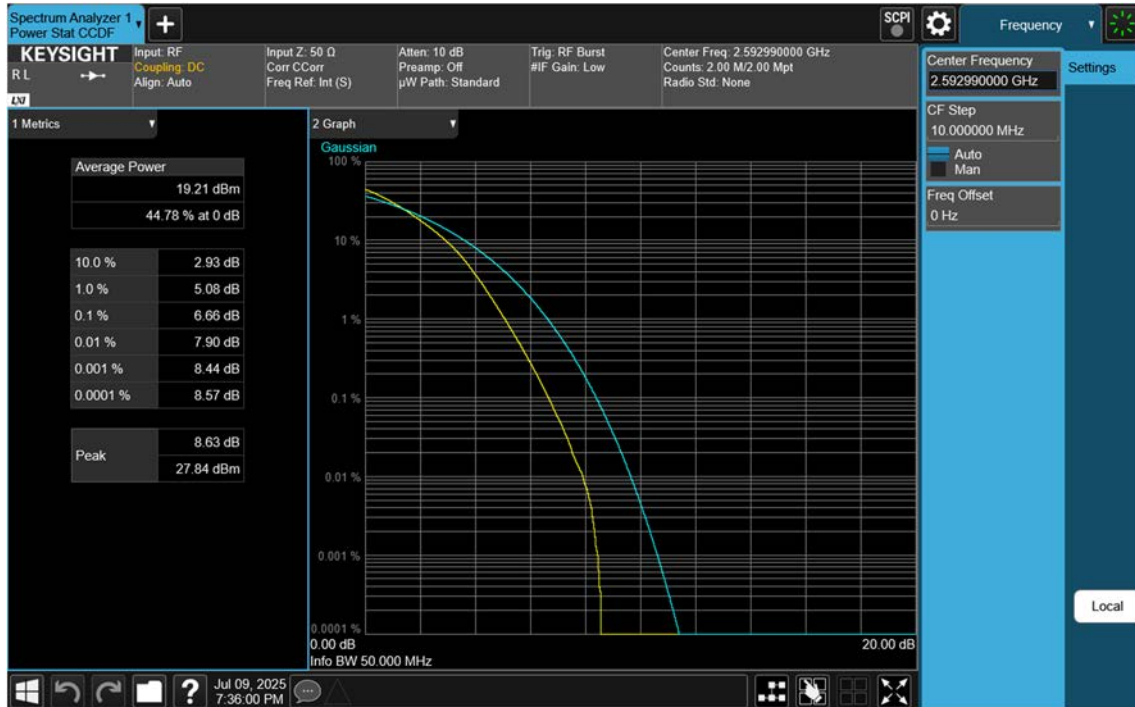
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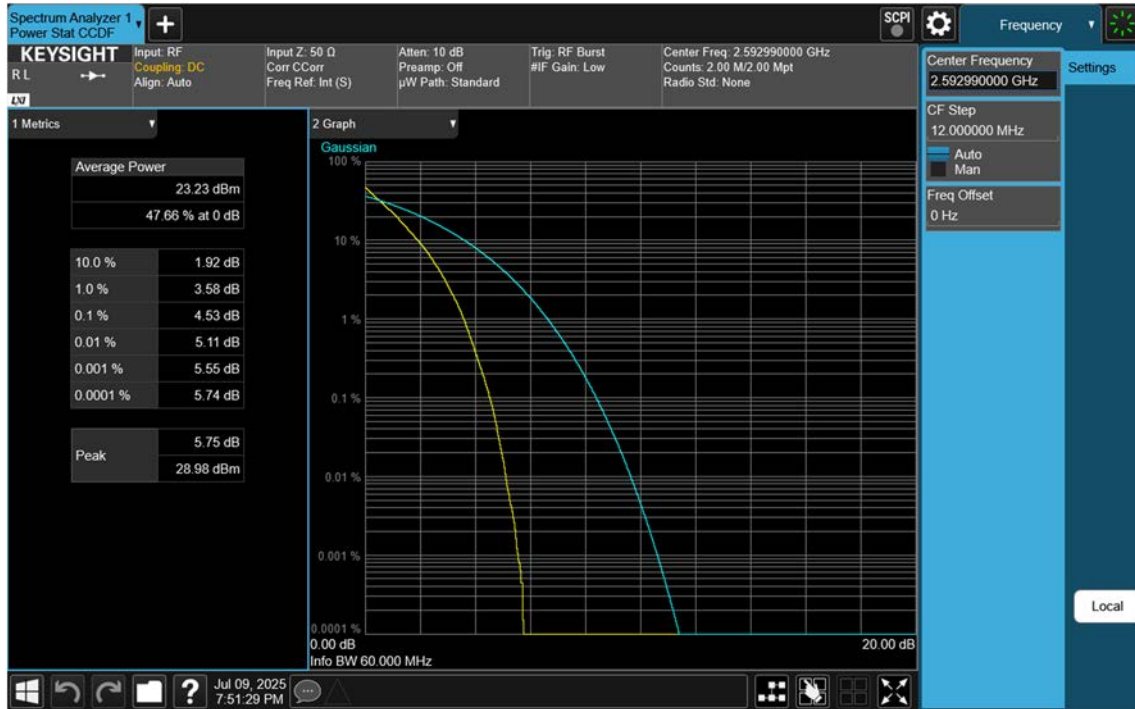
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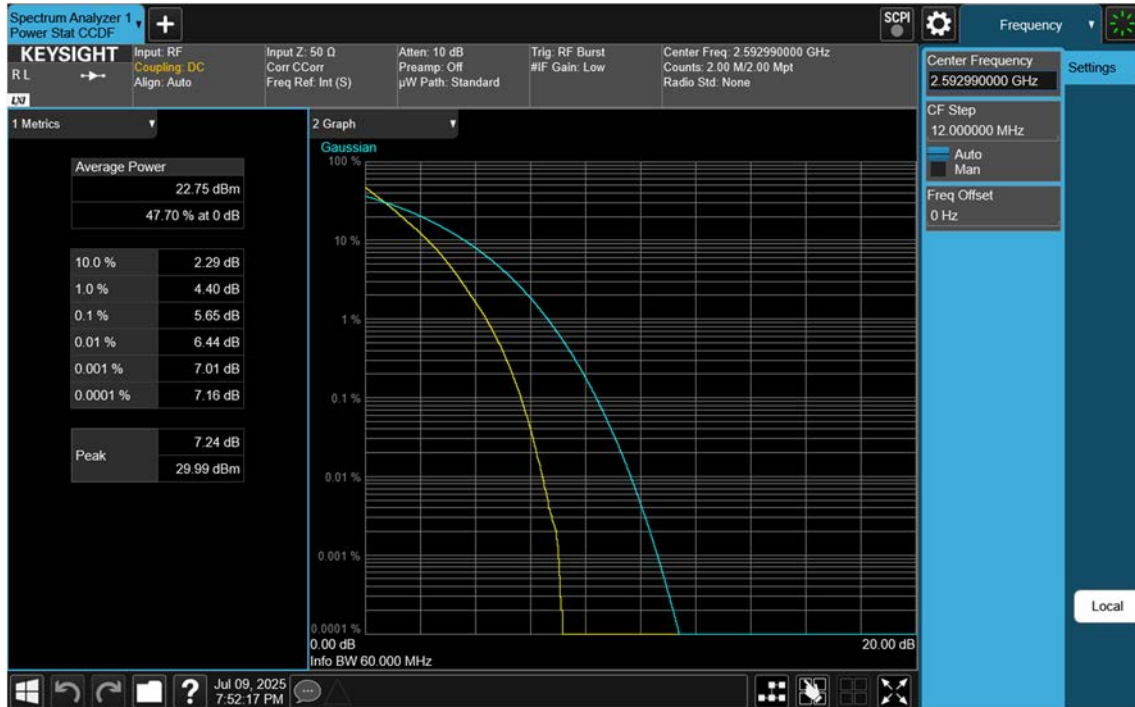
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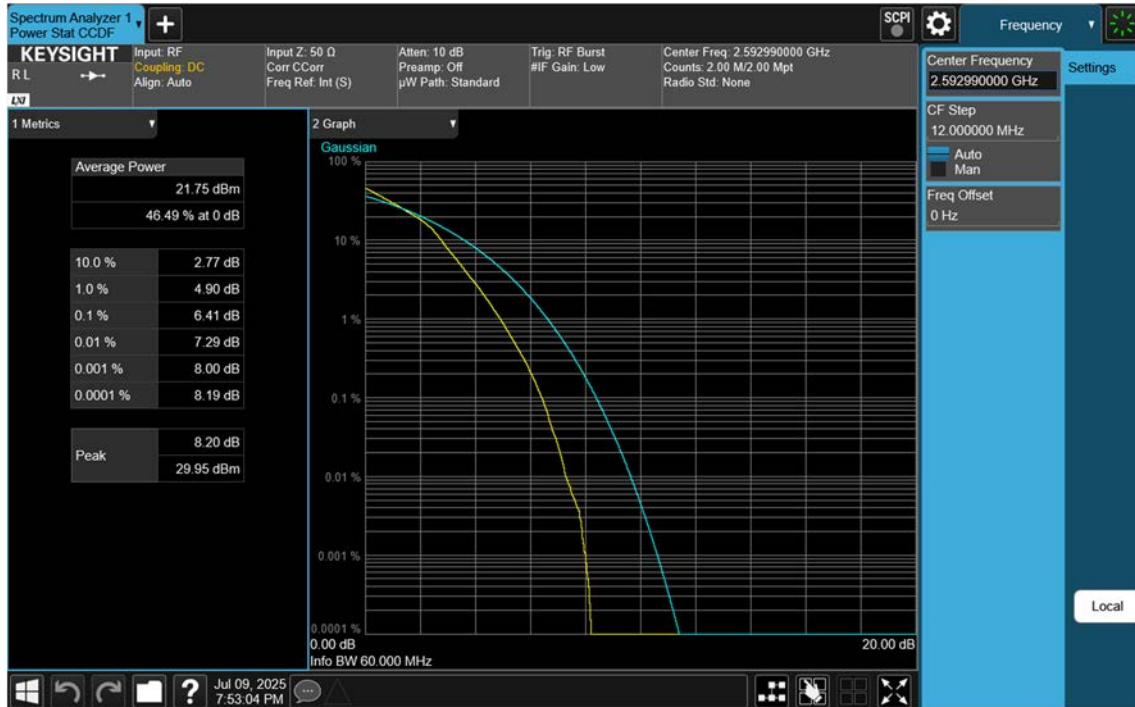
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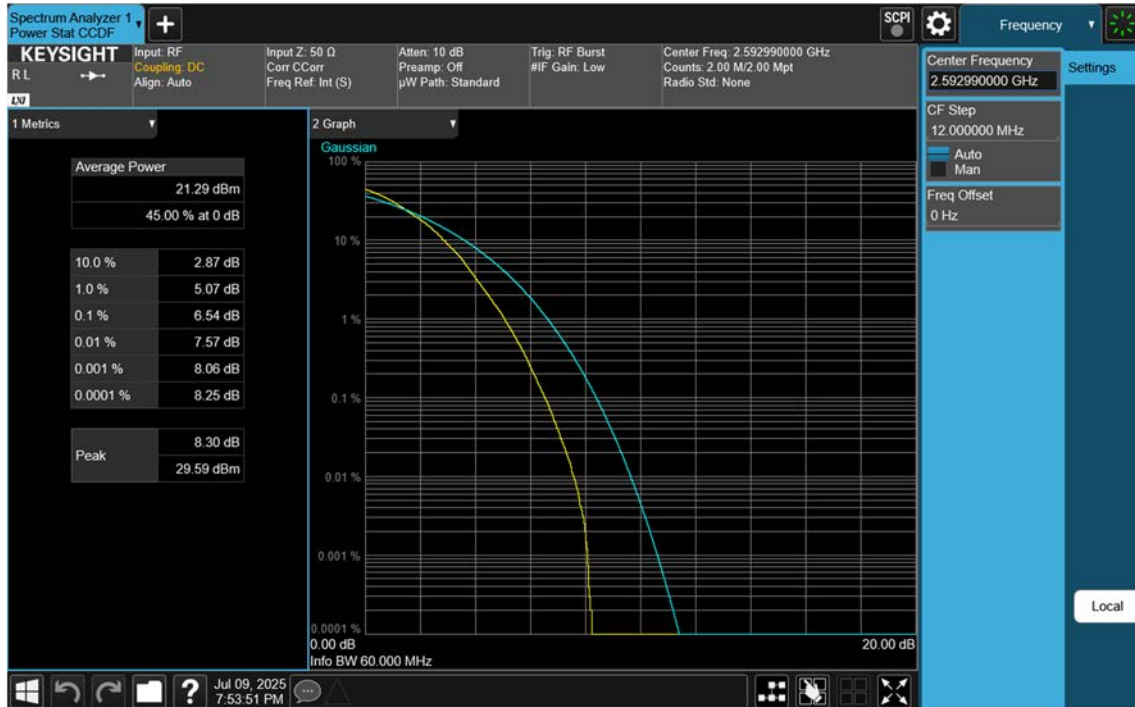
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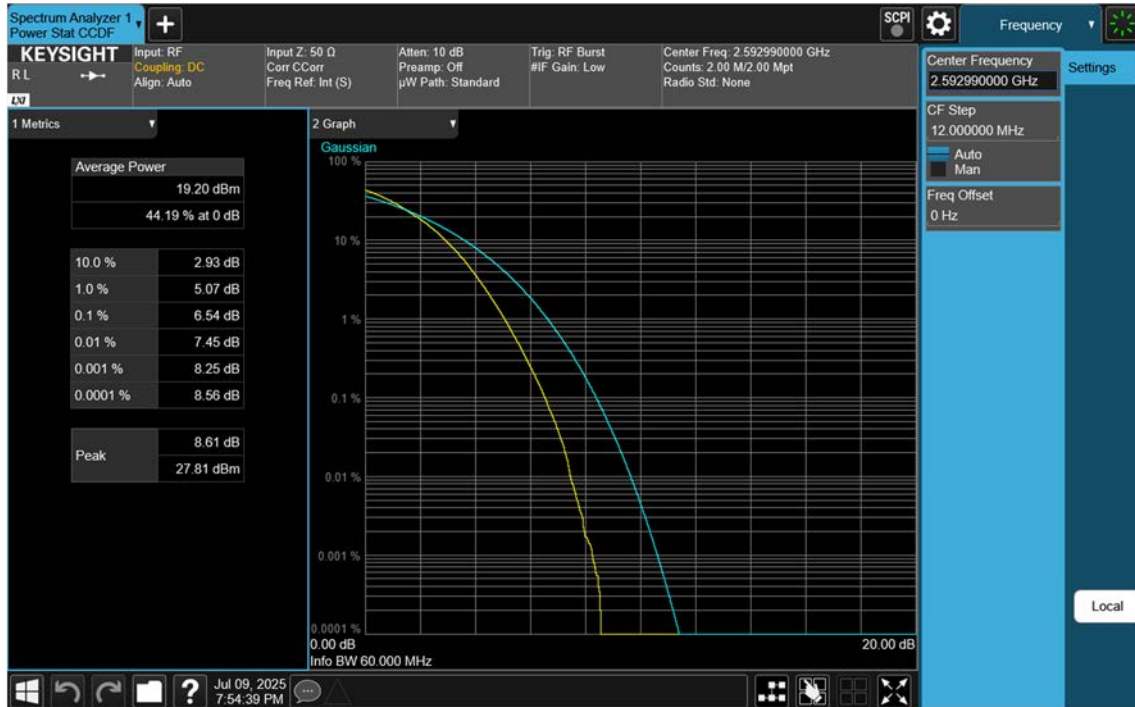
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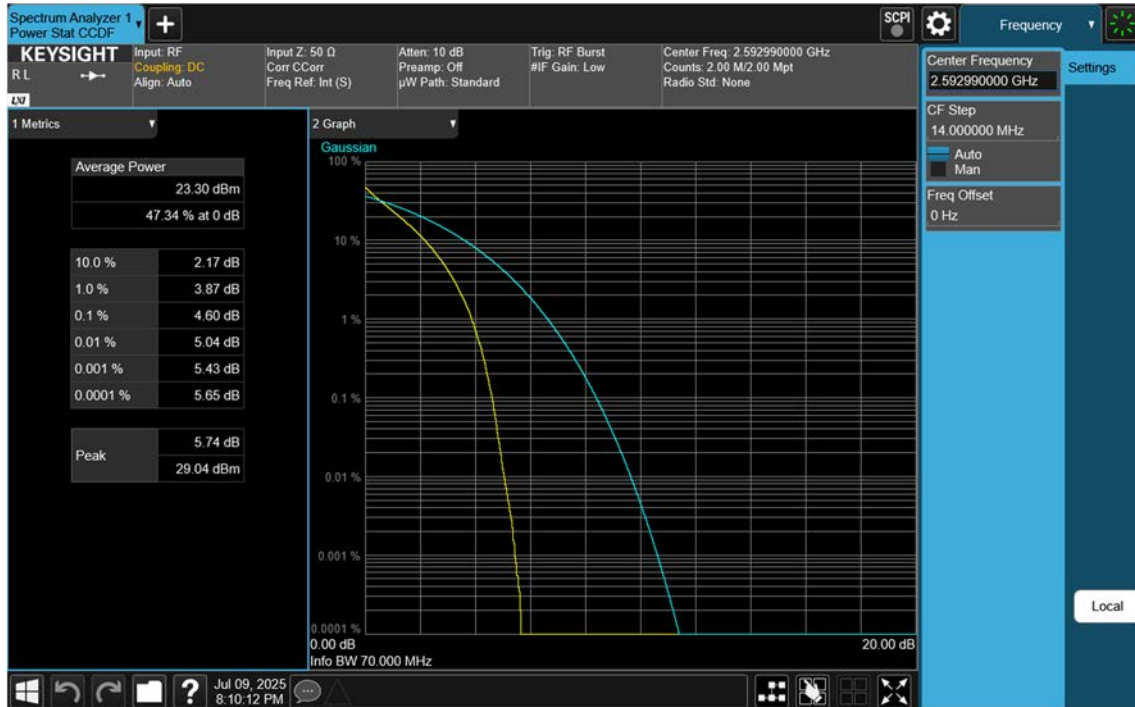
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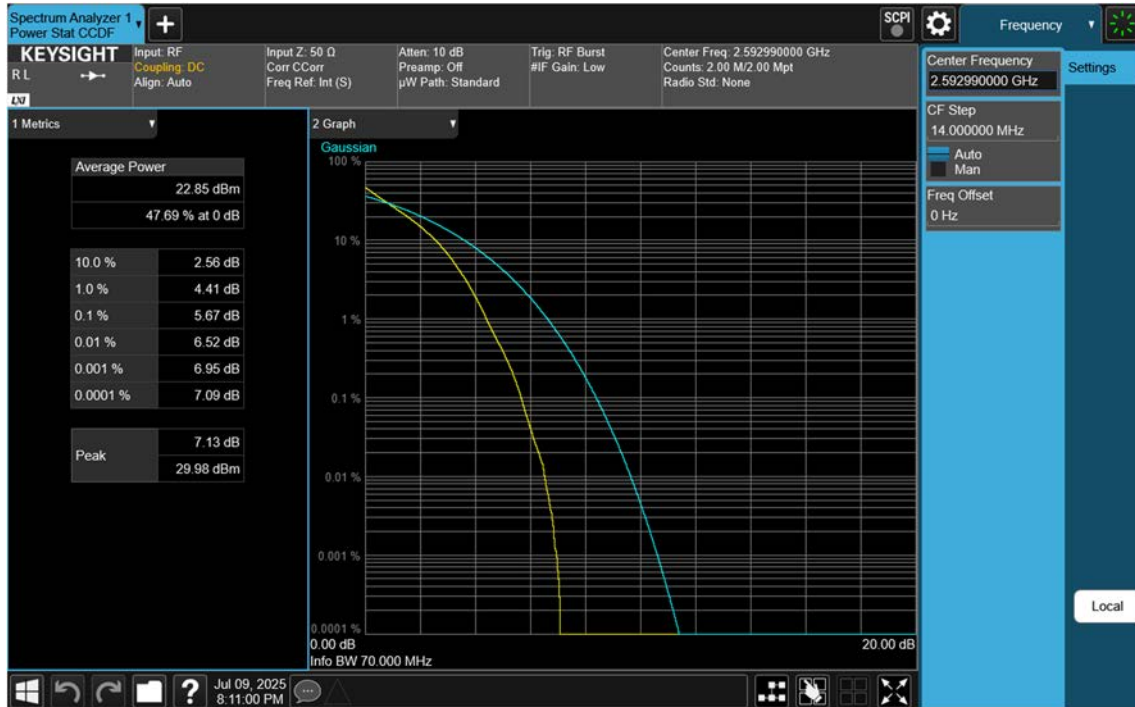
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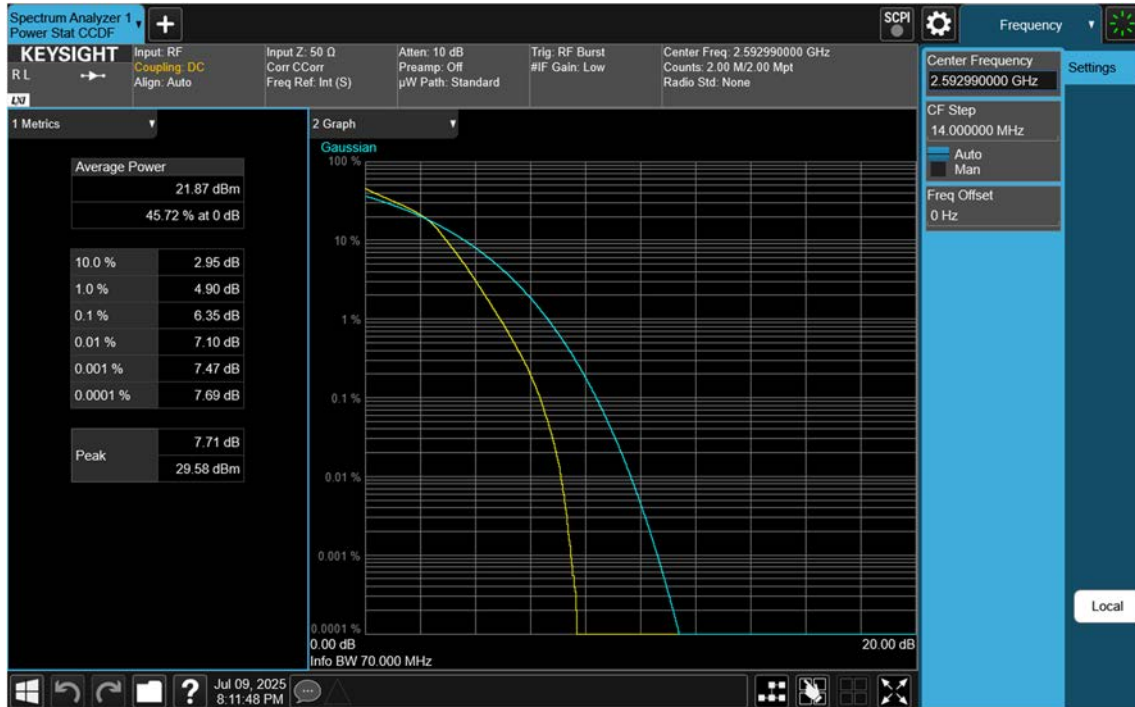
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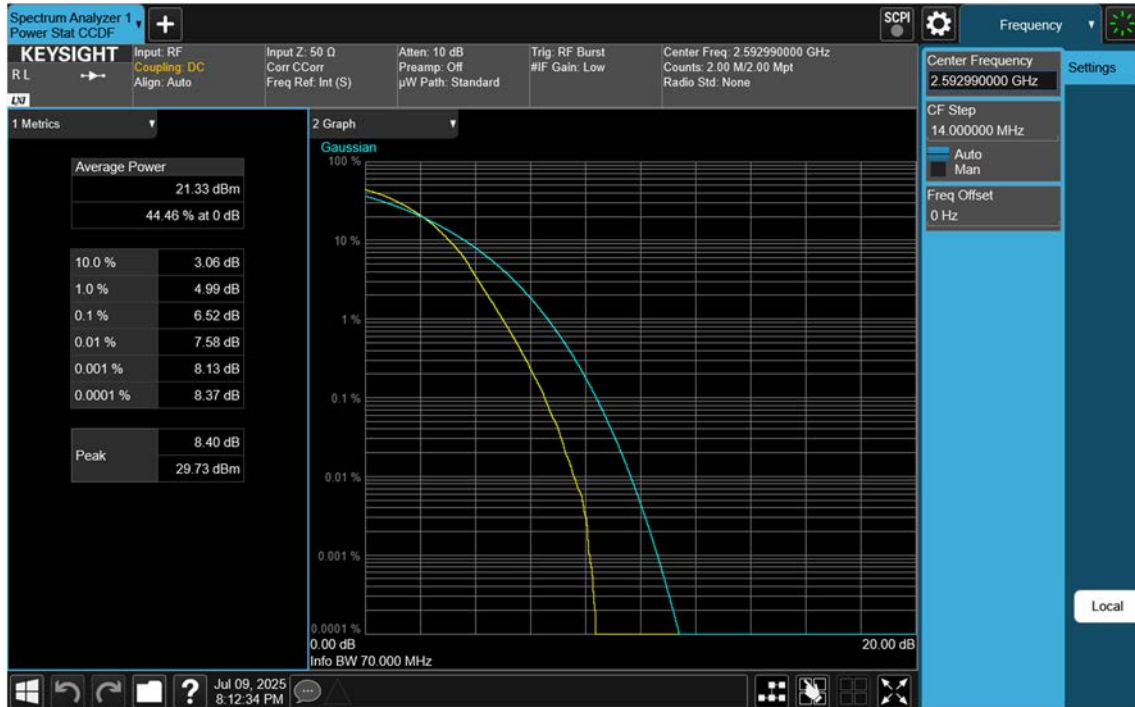
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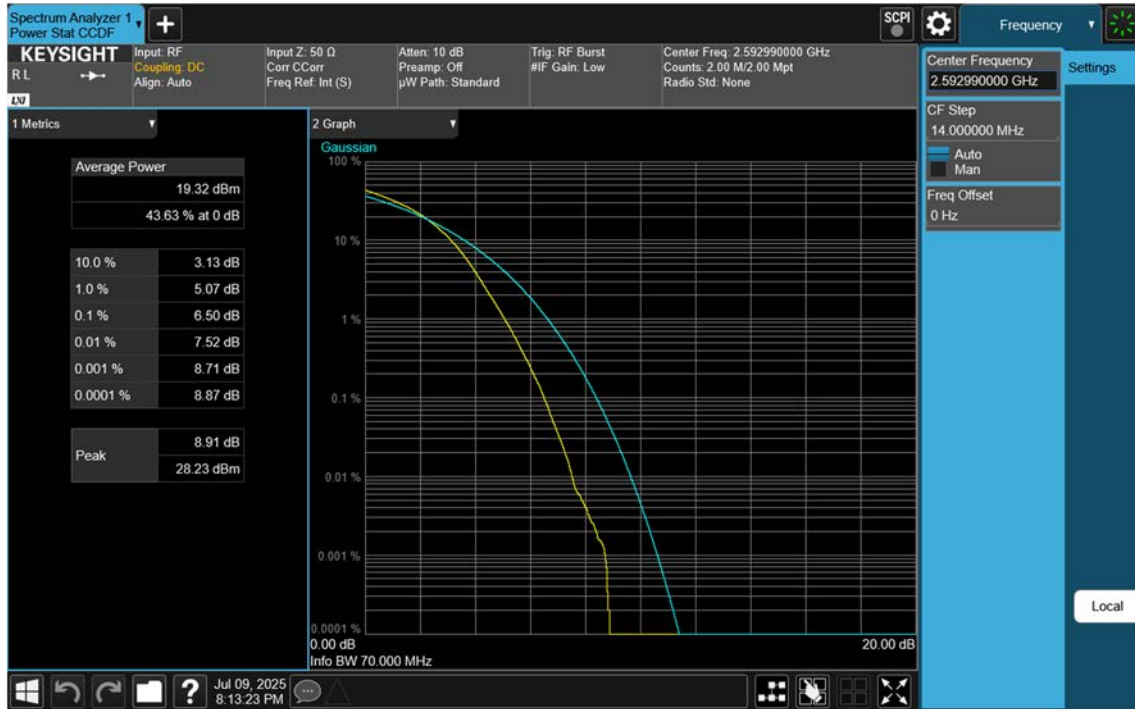
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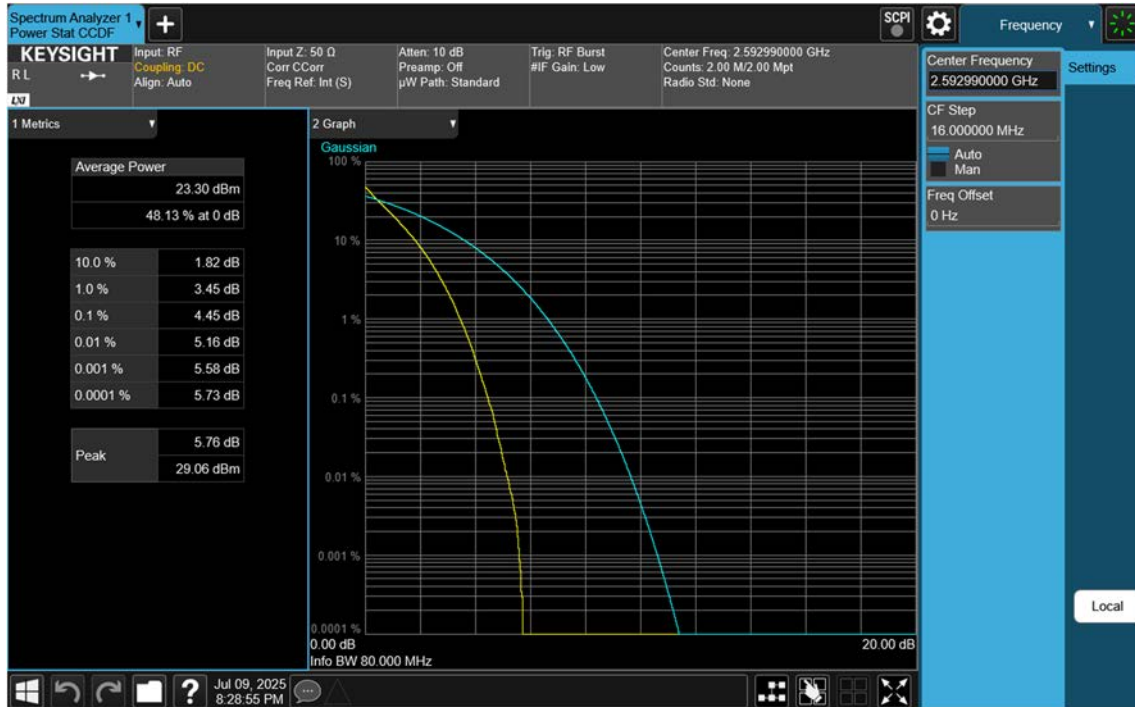
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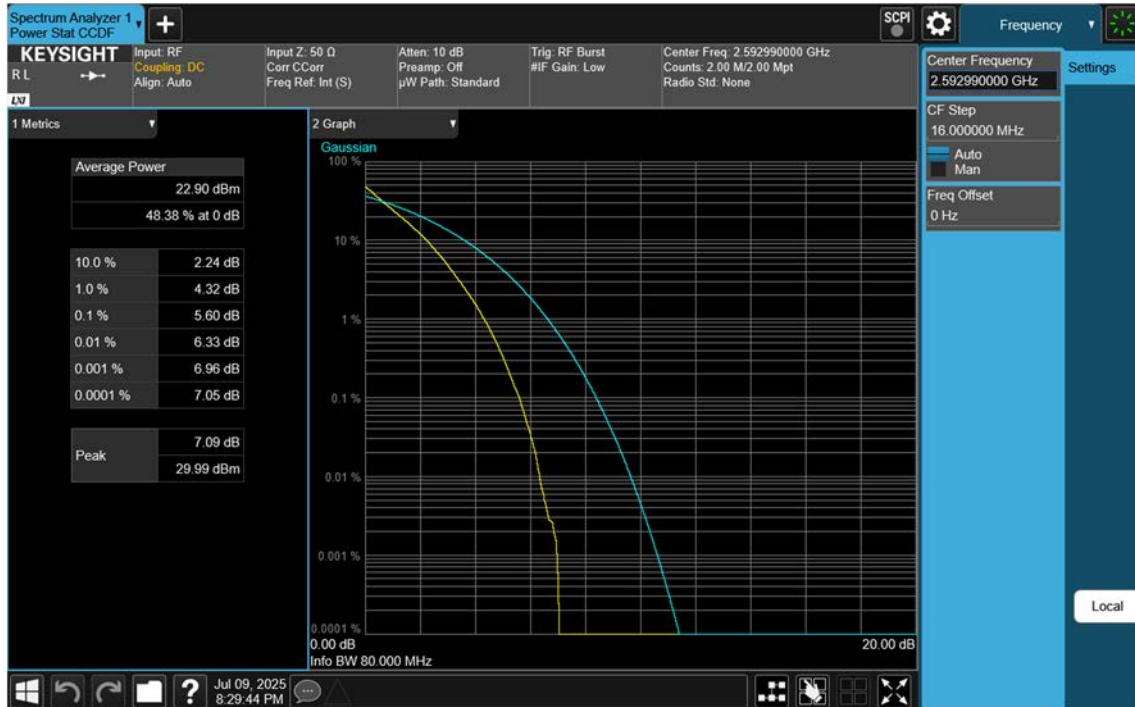
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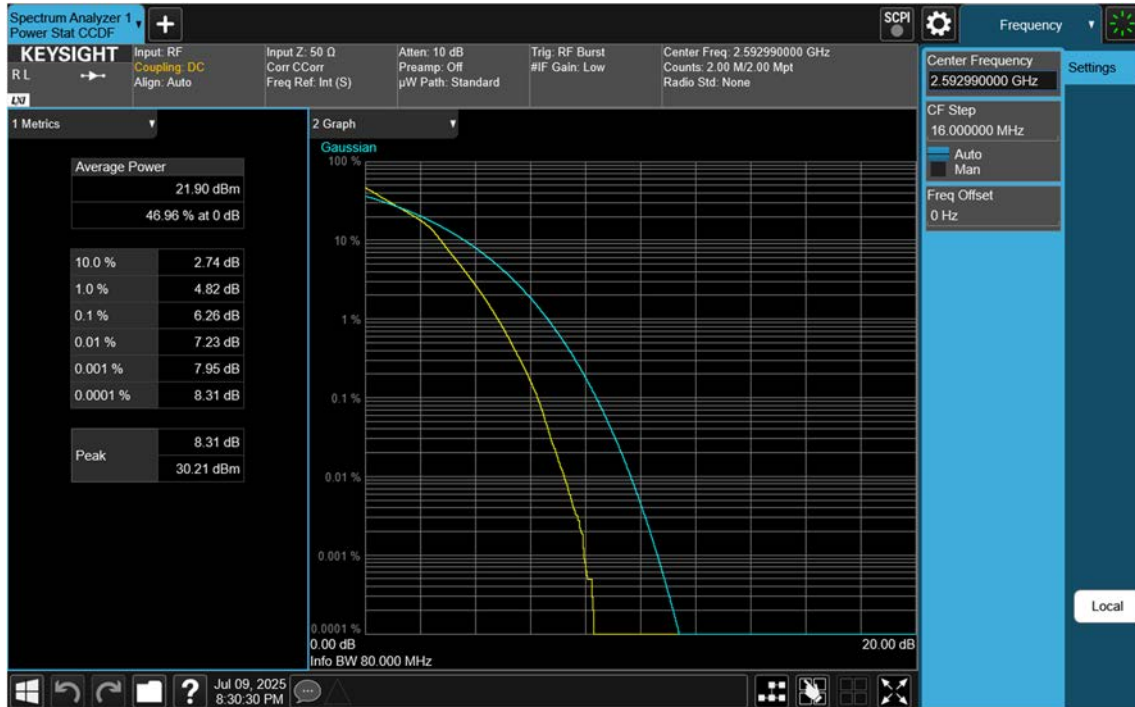
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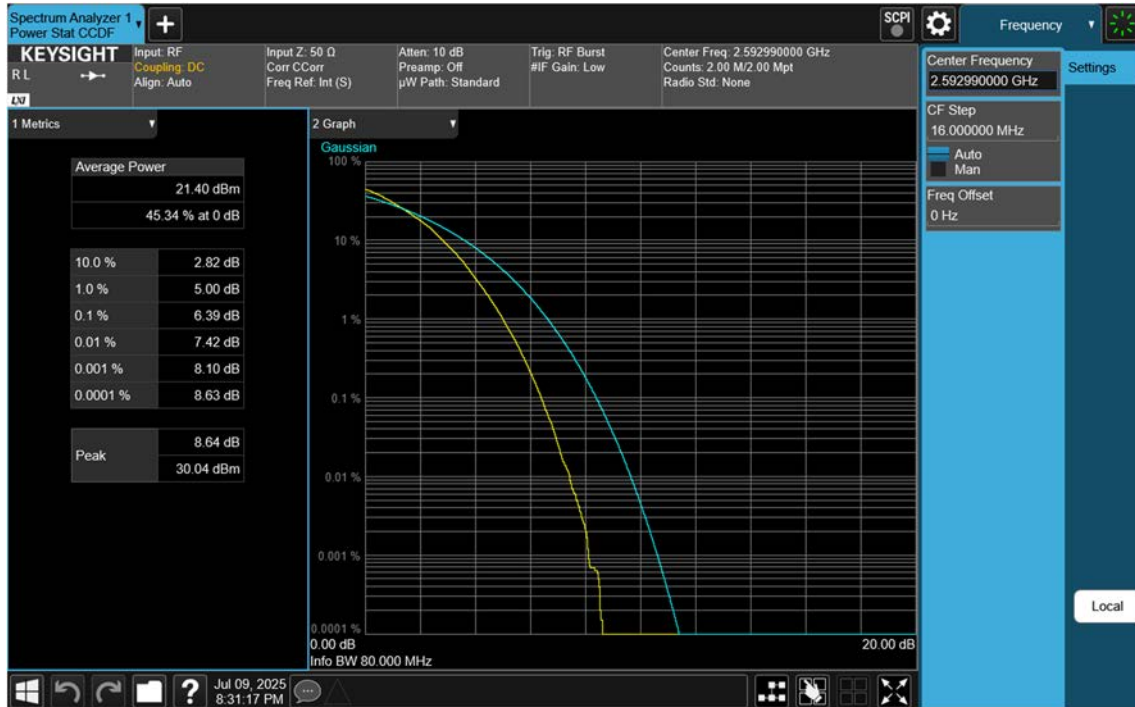
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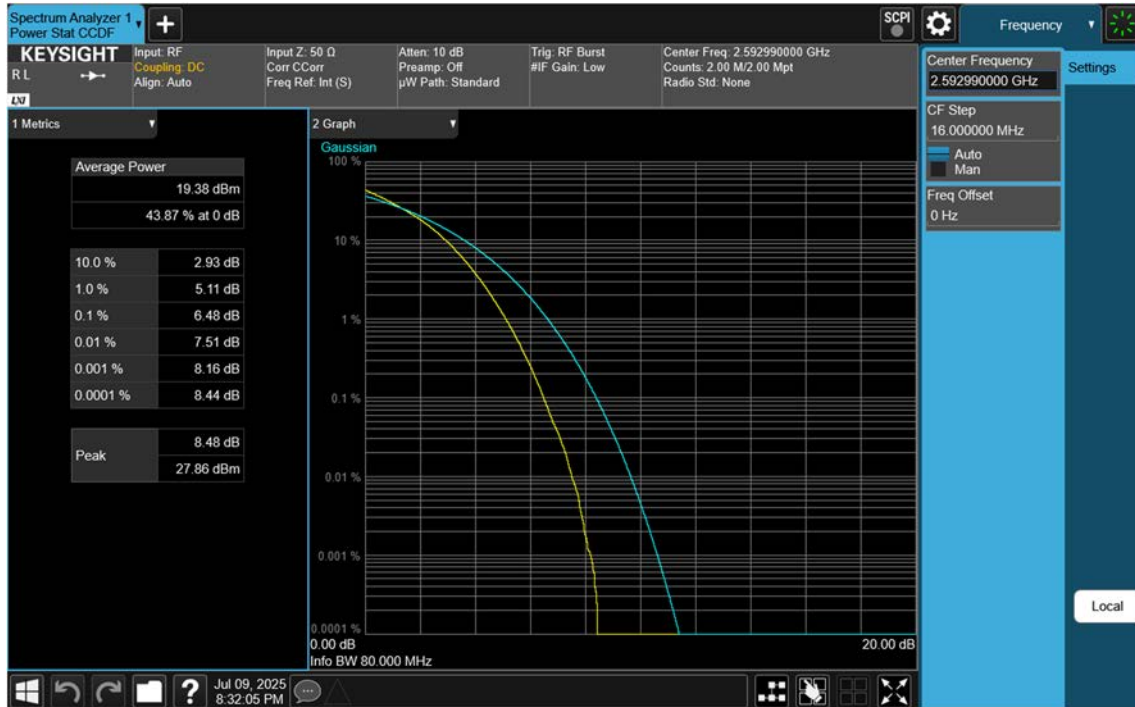
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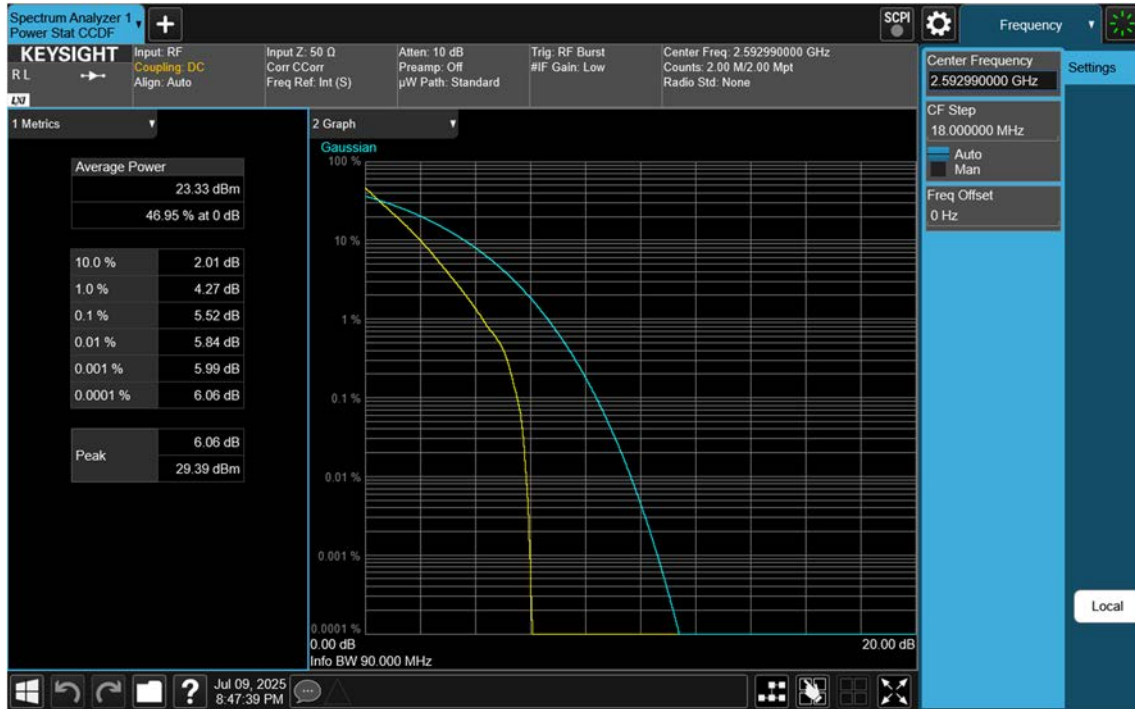
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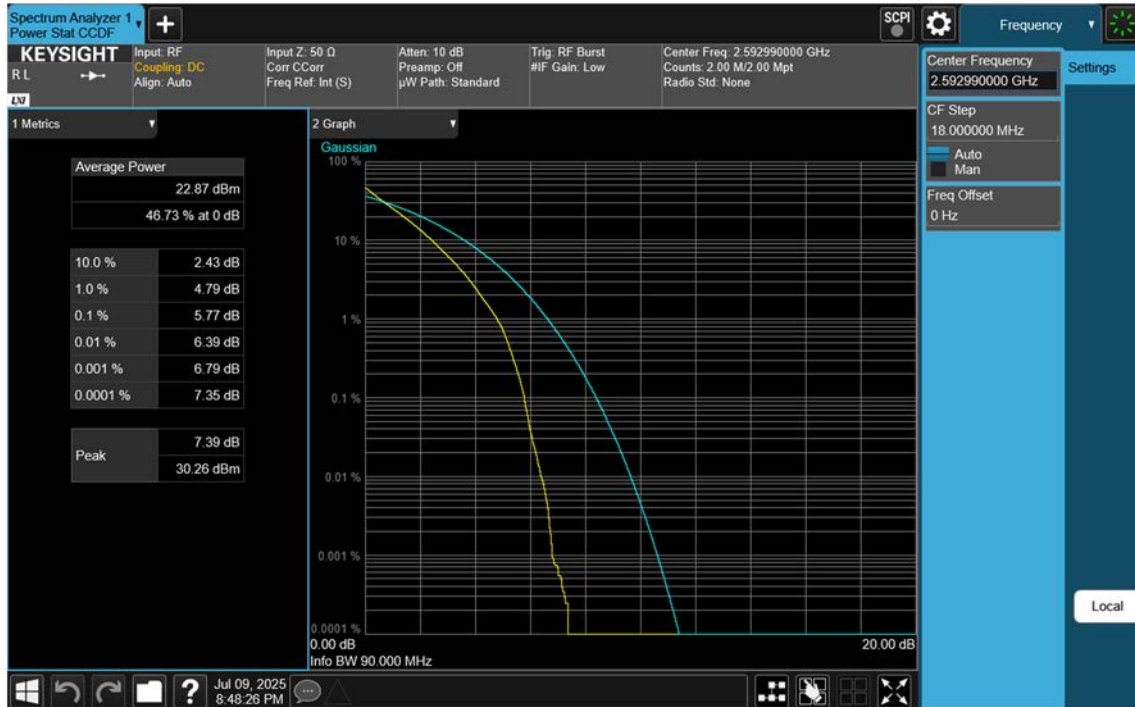
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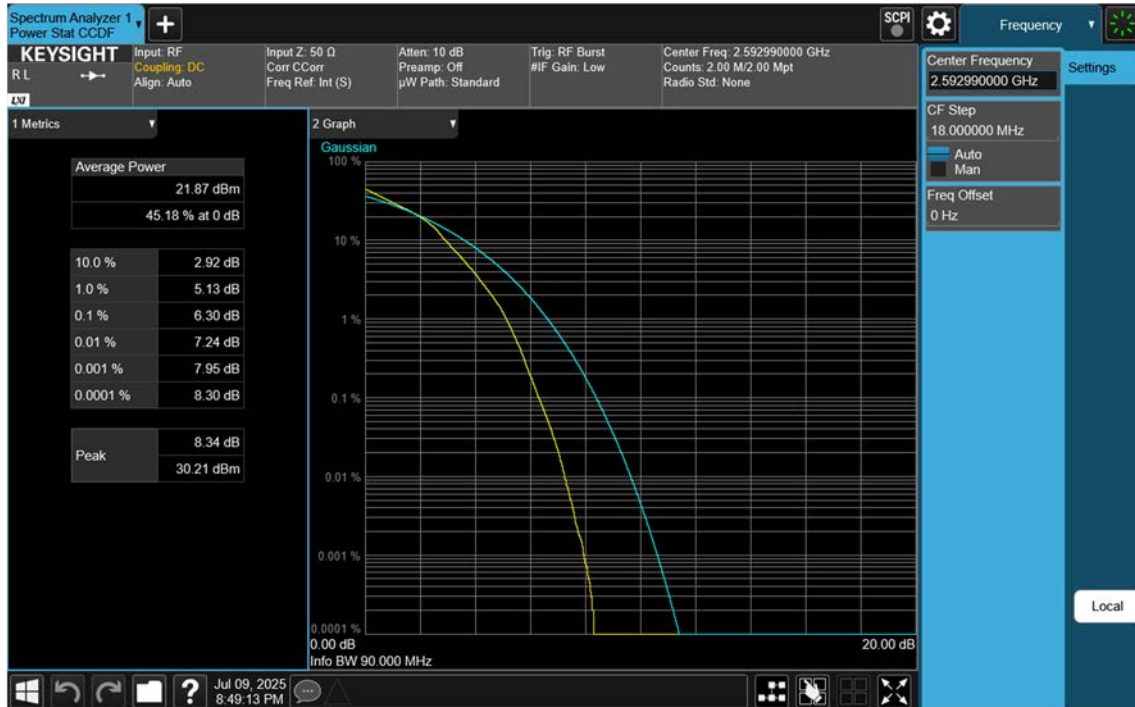
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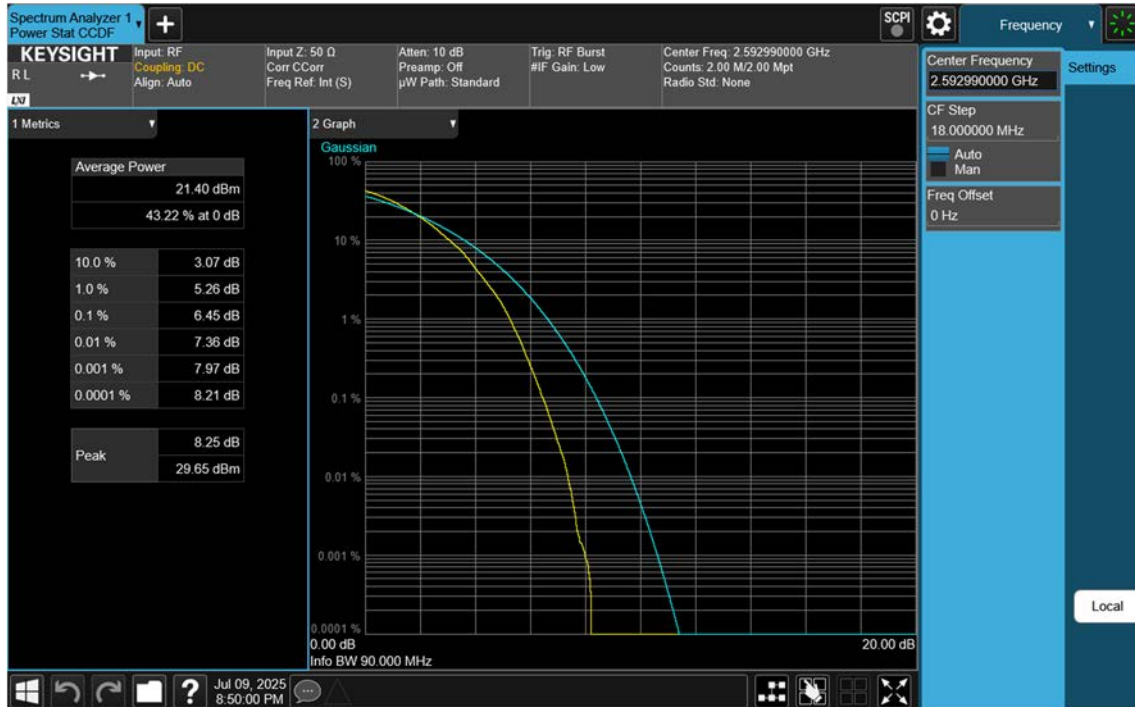
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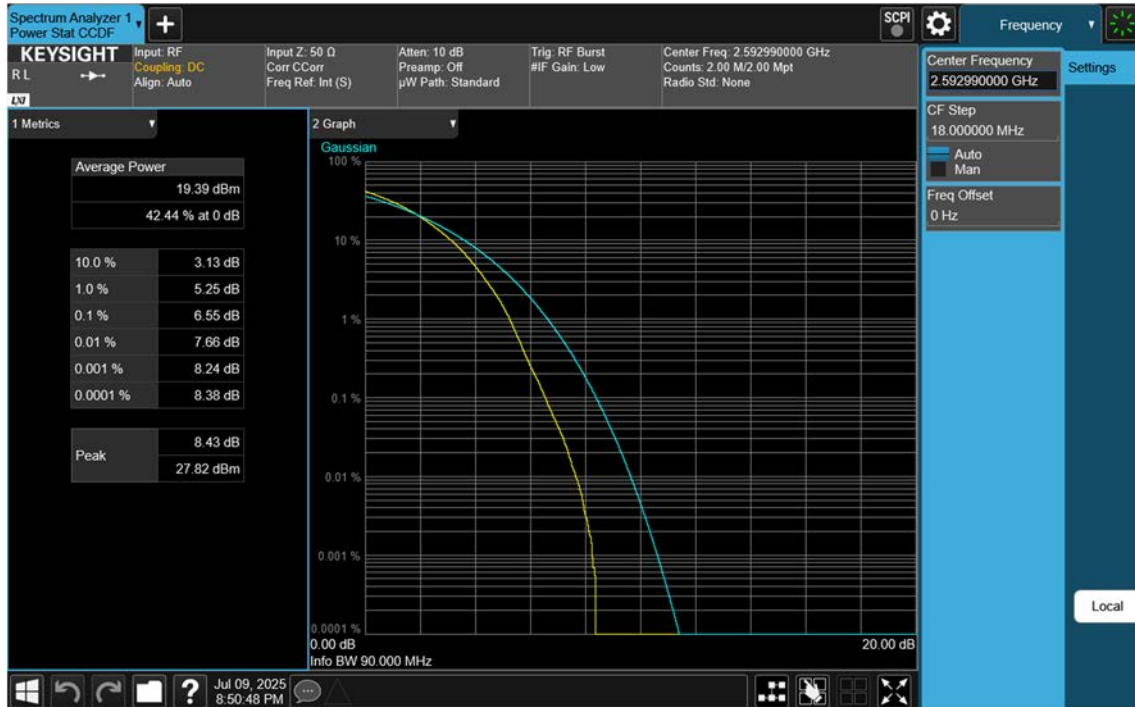
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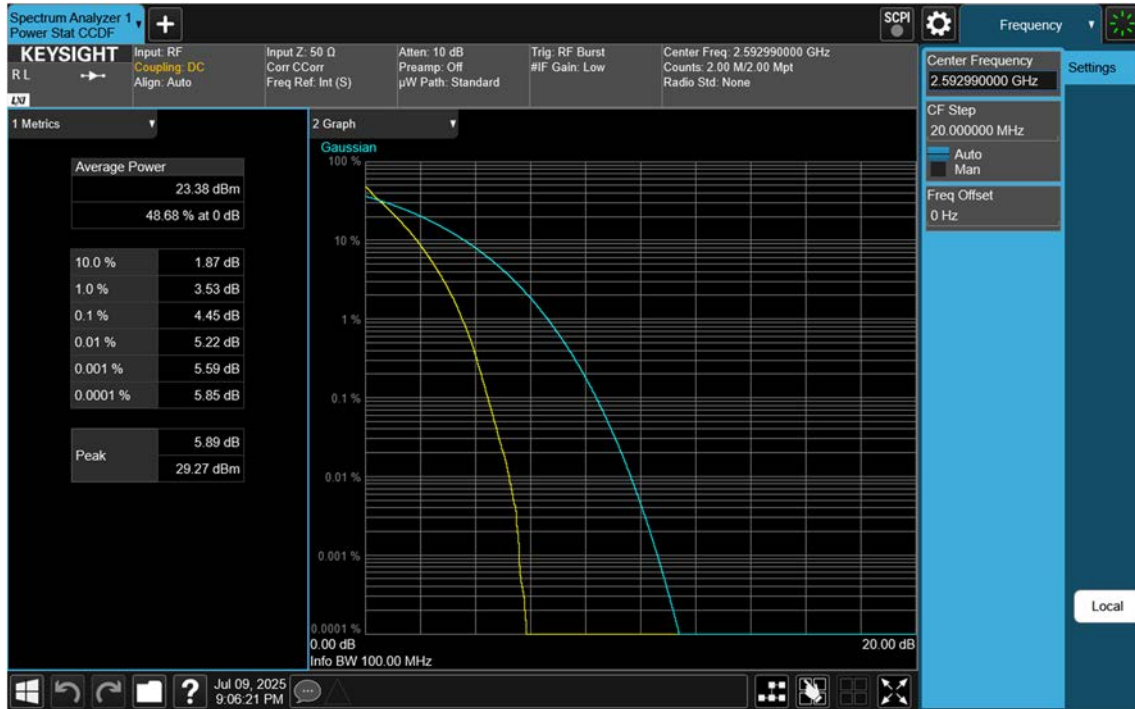
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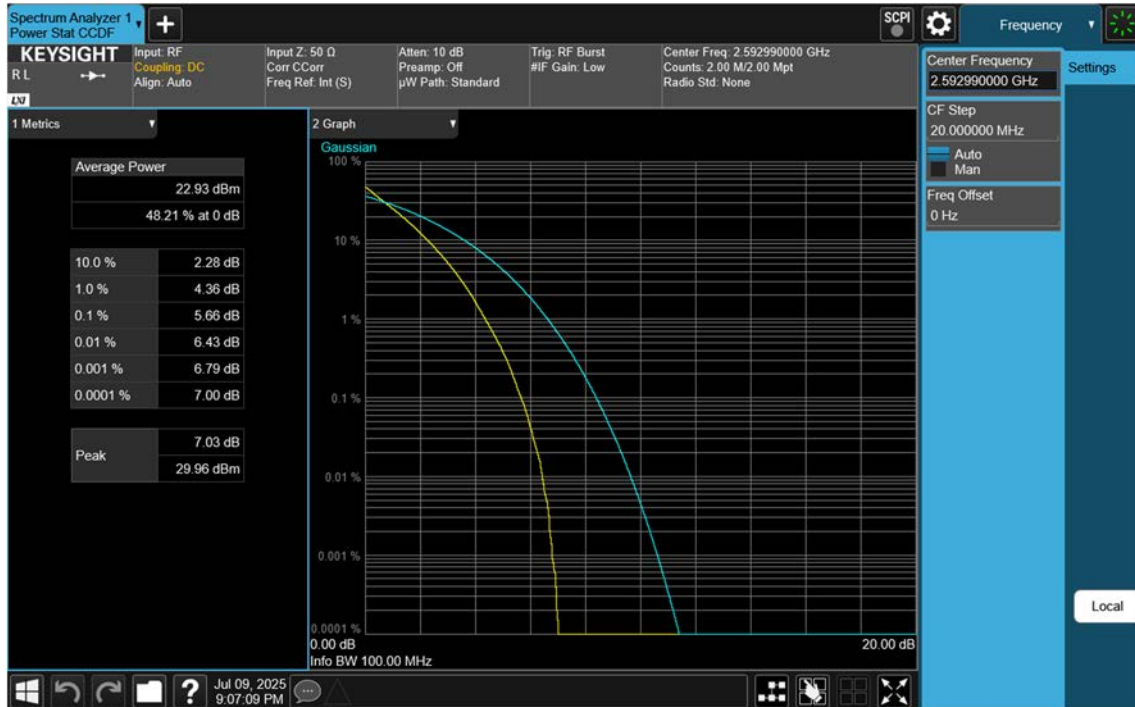
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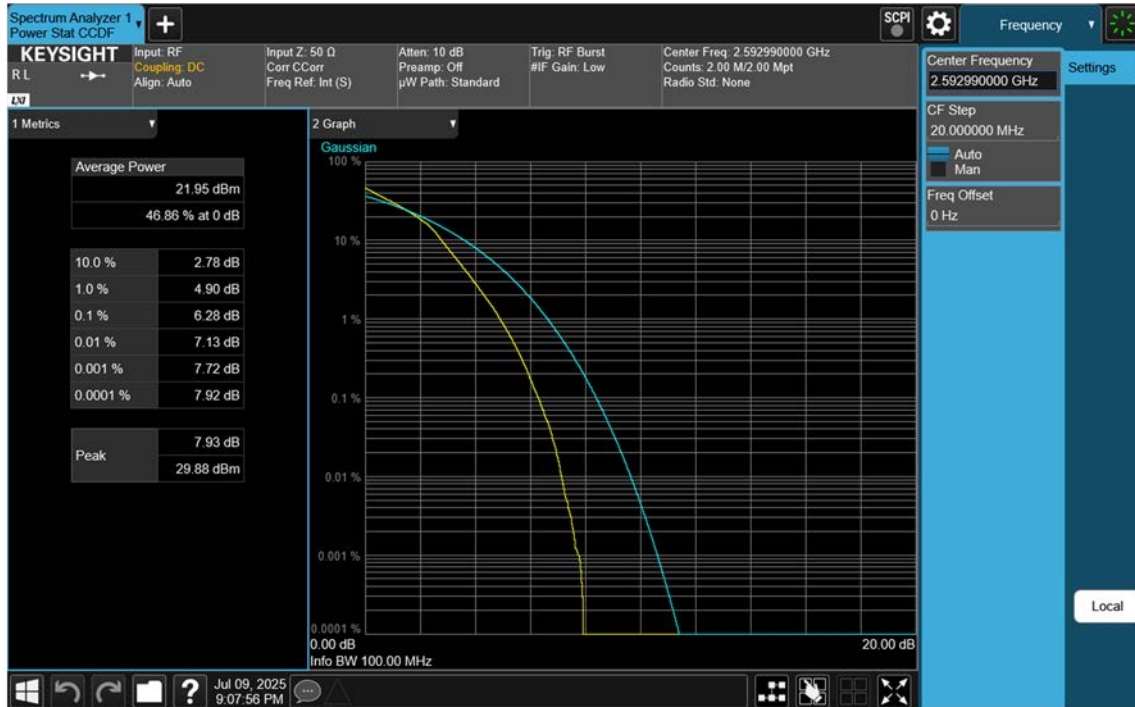
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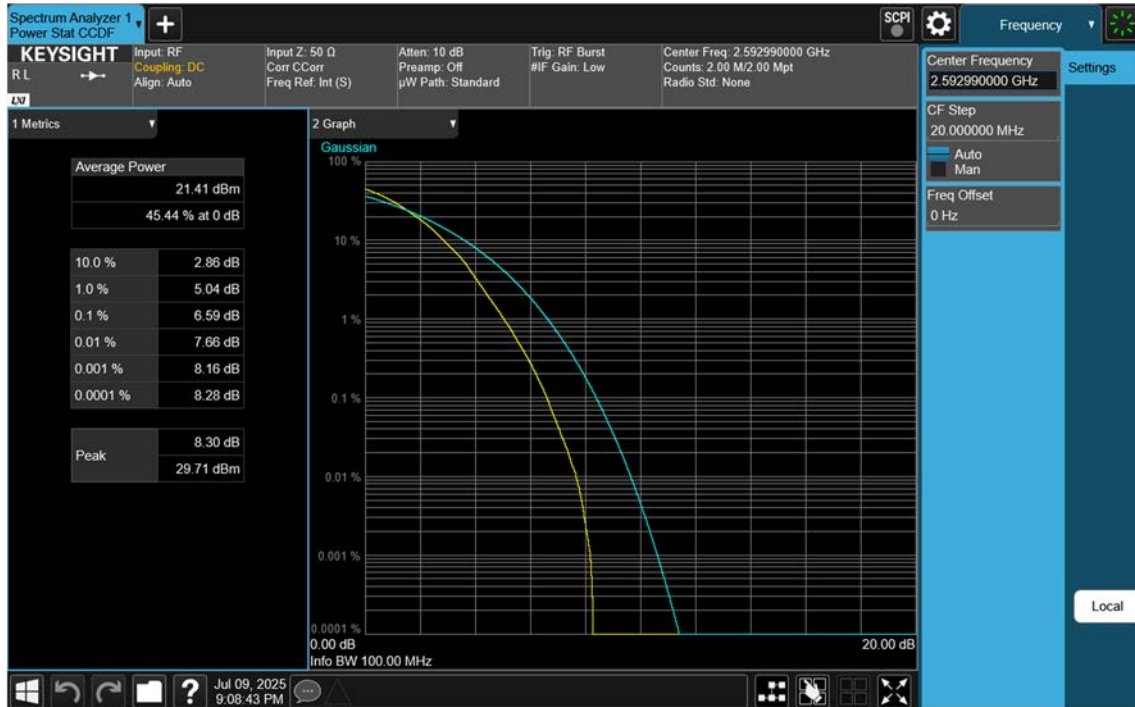
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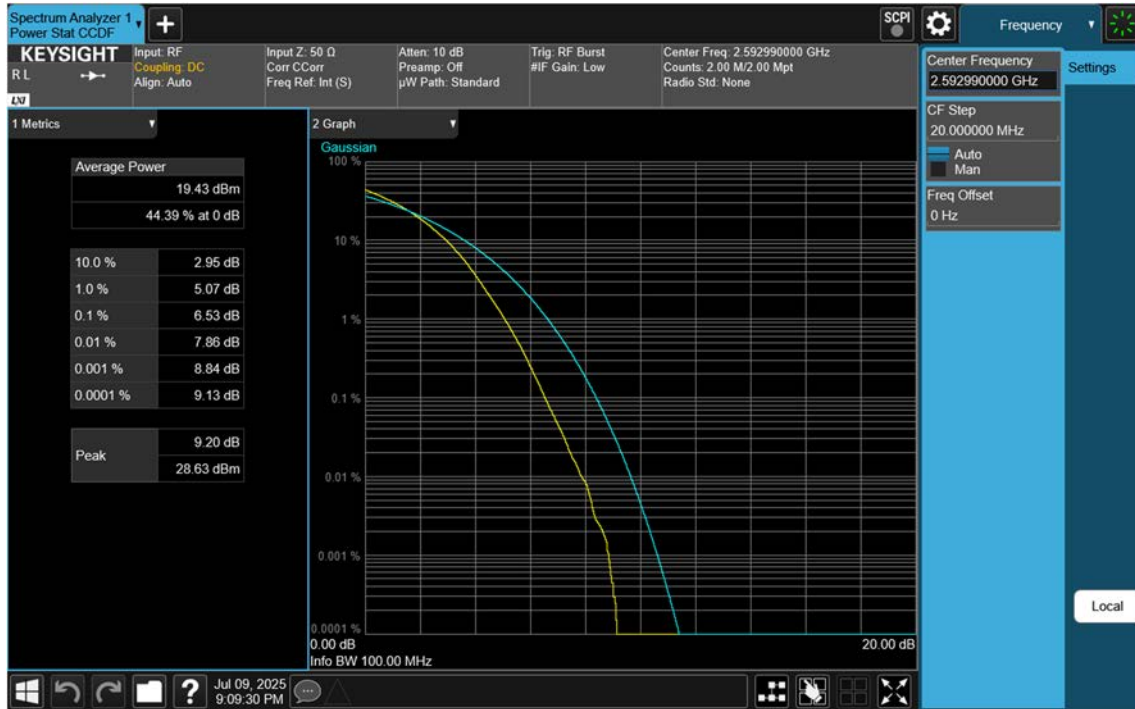
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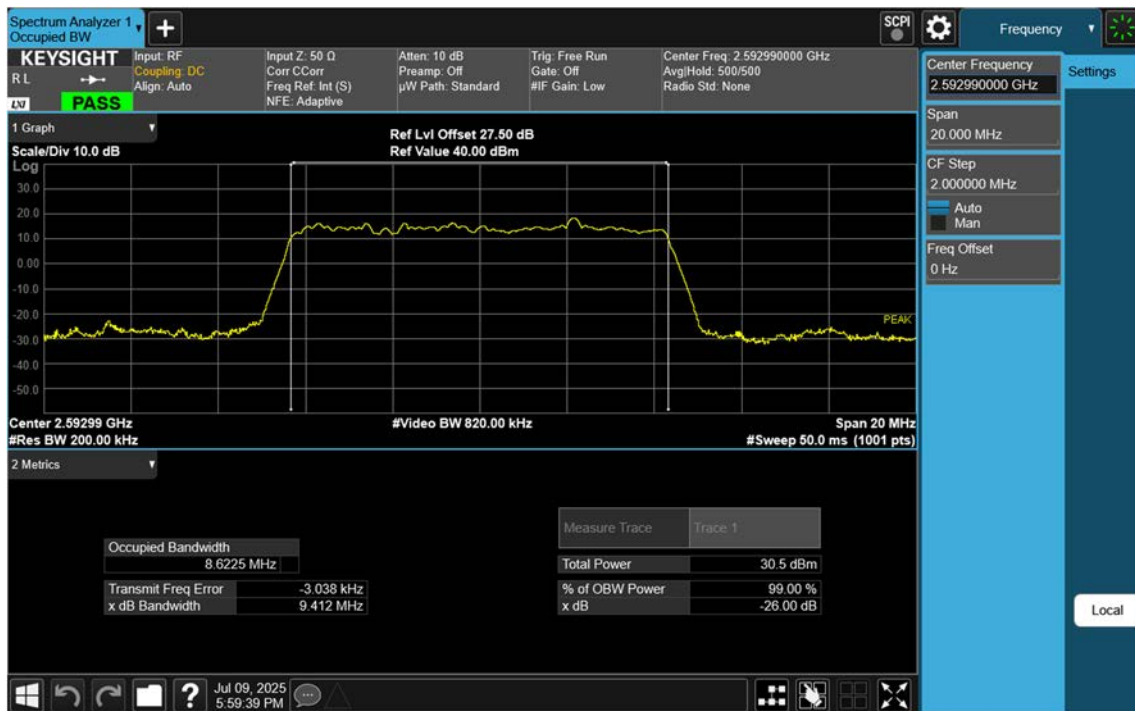
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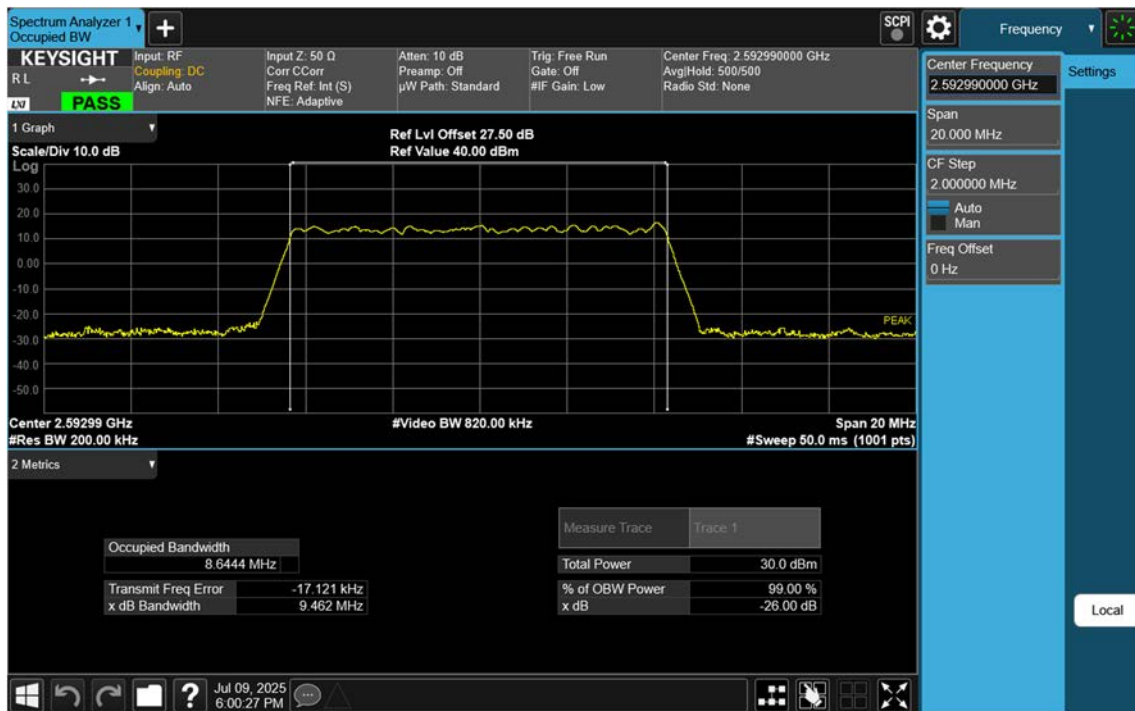
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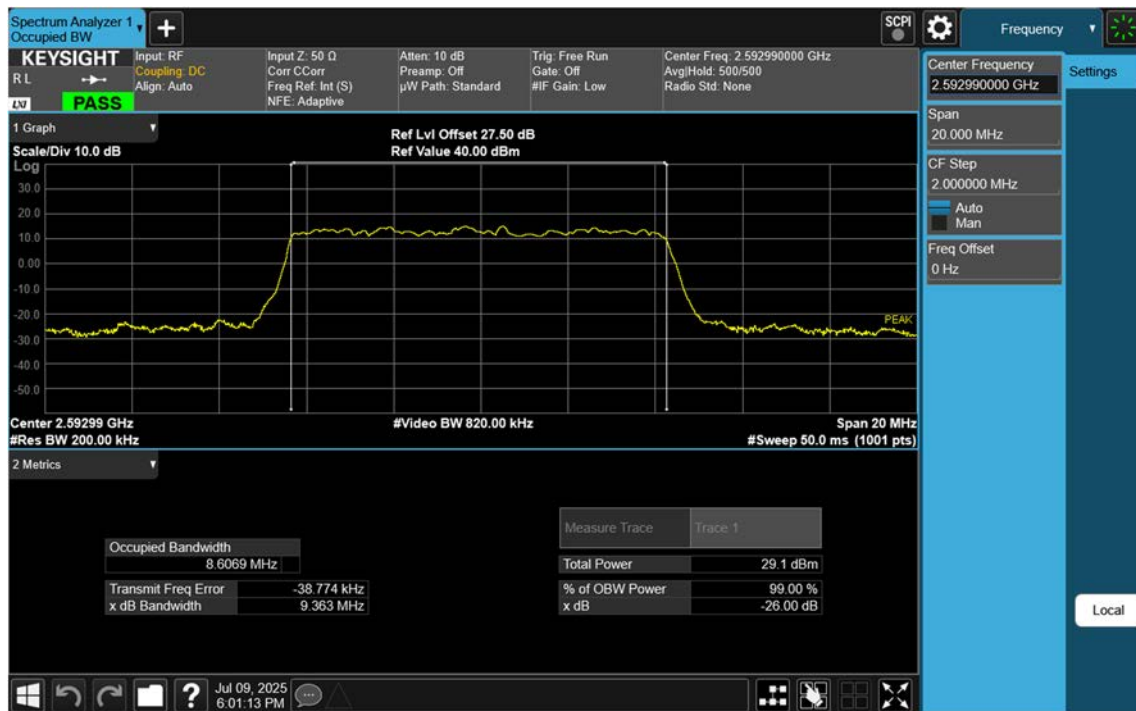
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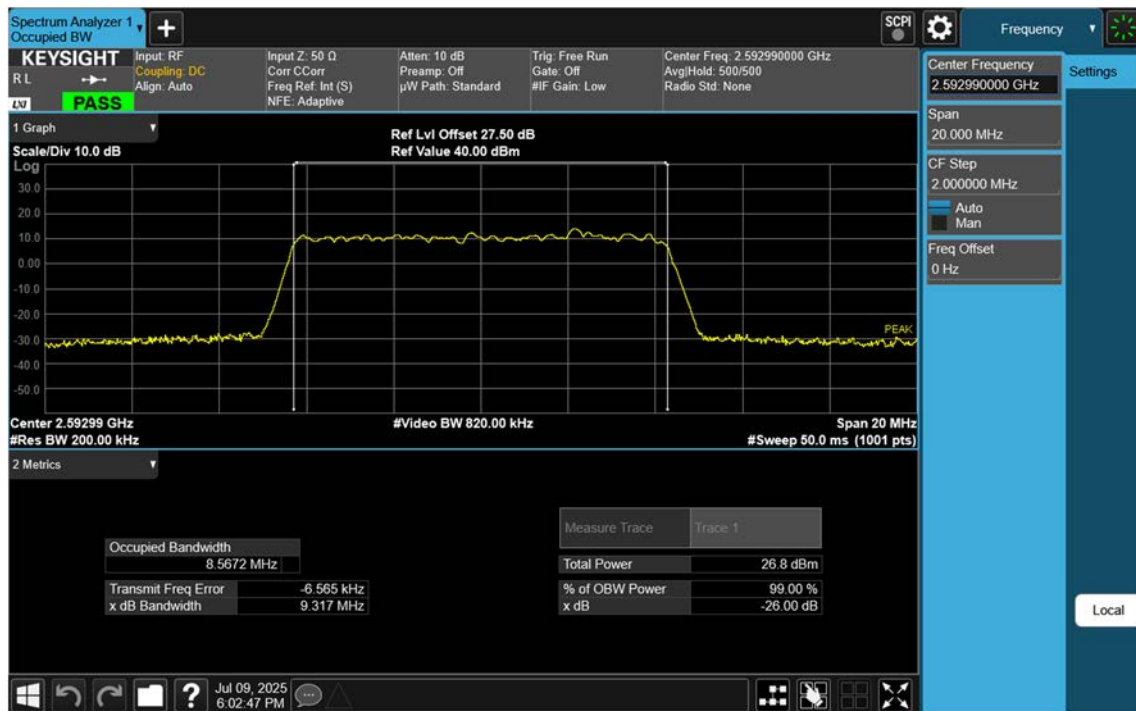
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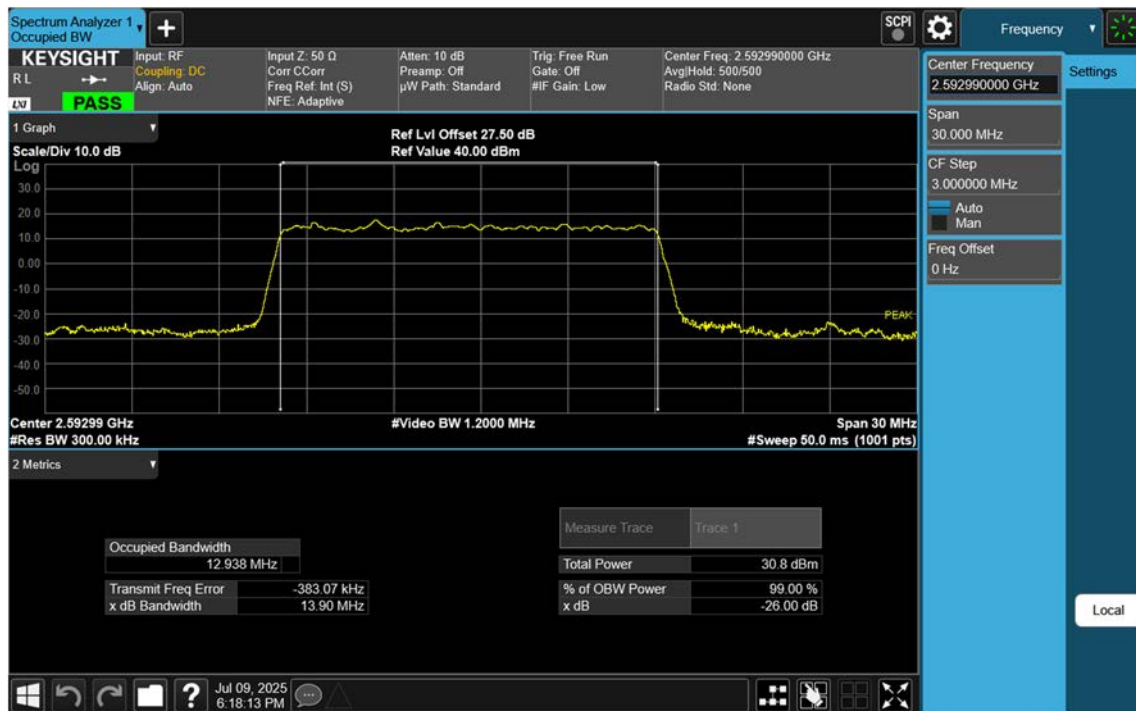
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NR41_10 M_OBW_Mid_256QAM_FullRB



NR41_15 M_OBW_Mid_BPSK_FullRB



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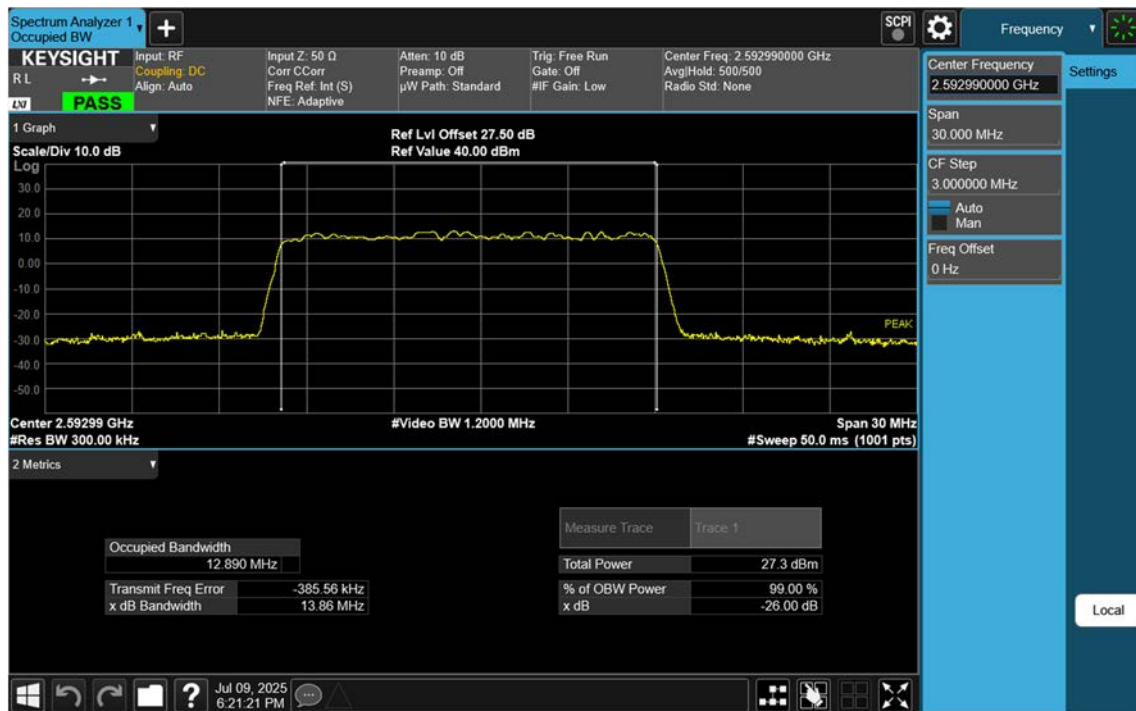
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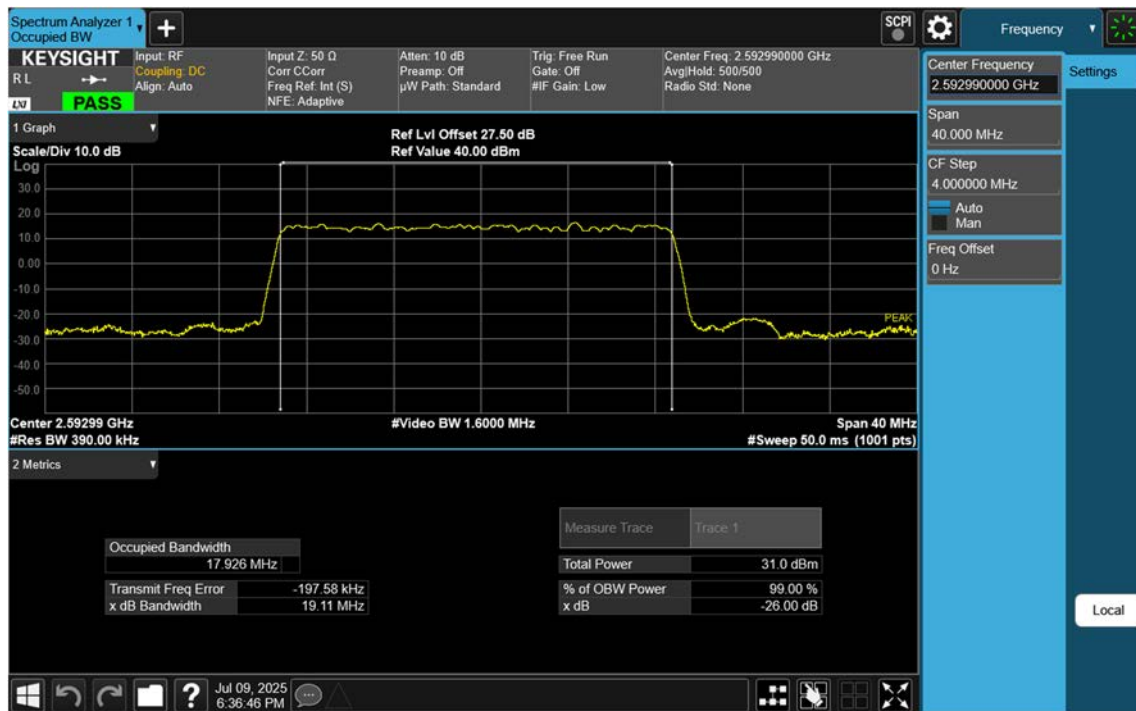
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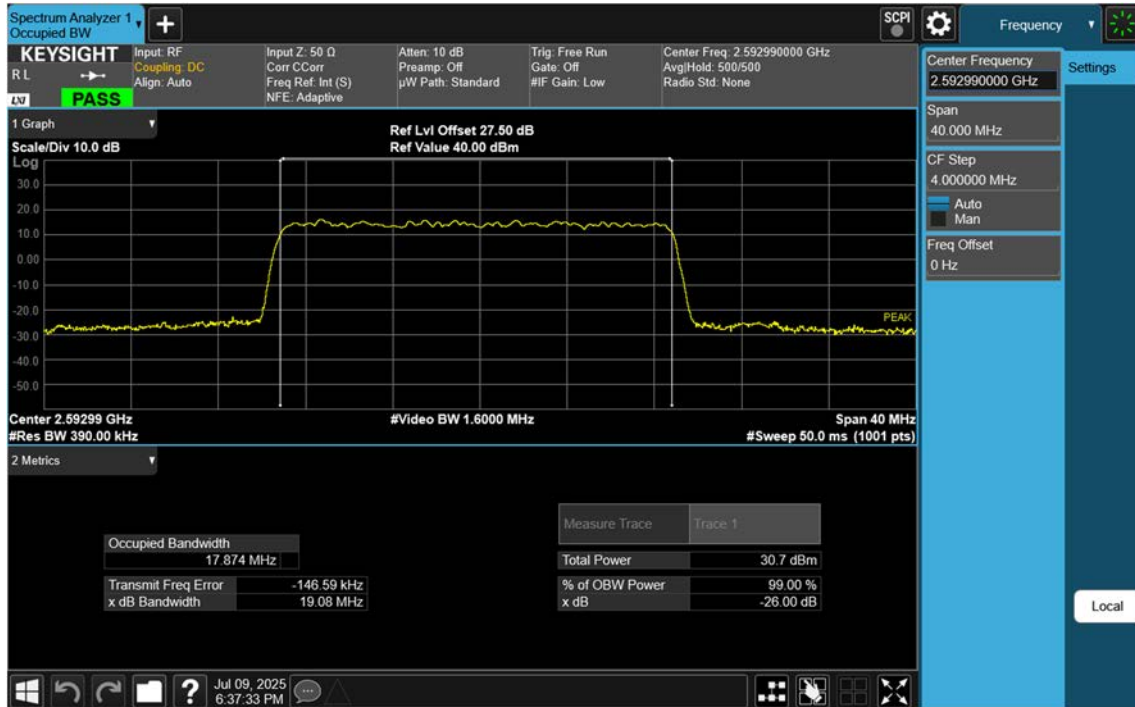
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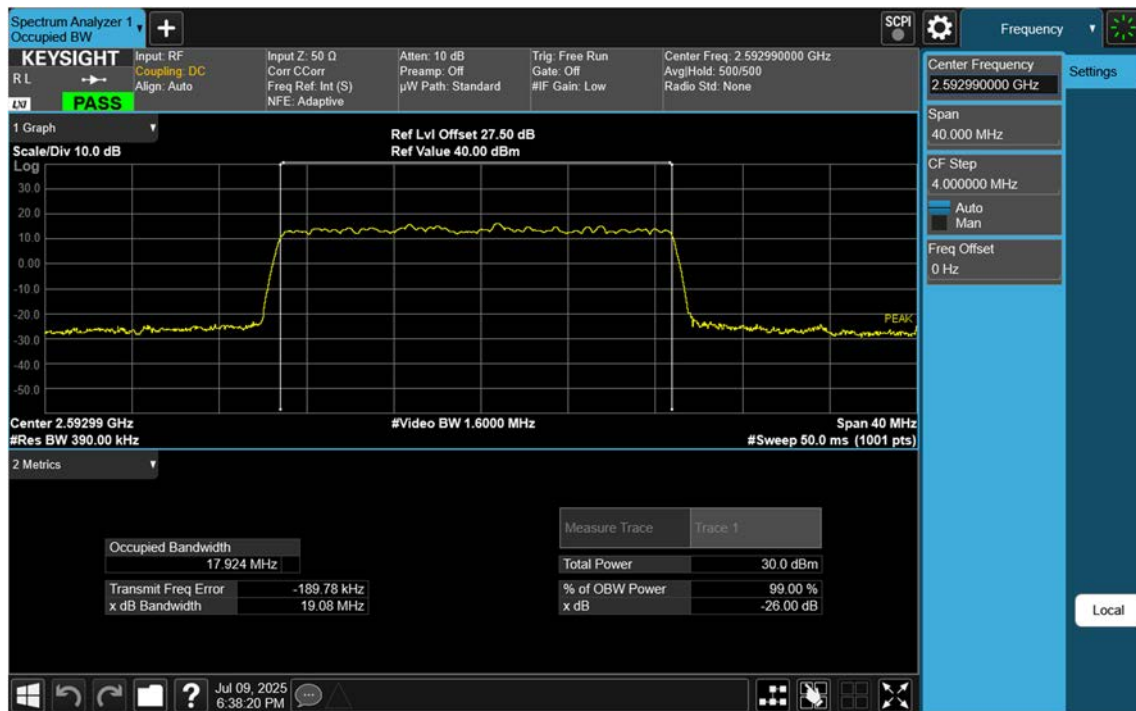
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