

TEST REPORT

FCC Sub6 n41 Test for SM-A376U
Certification

APPLICANT
SAMSUNG Electronics Co., Ltd.

REPORT NO.
HCT-RF-2512-FC025

DATE OF ISSUE
December 15, 2025

Tested by
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TEST REPORT

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HCT-RF-2512-FC025

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Additional Model

SM-A376U1, SM-S376V

Applicant**SAMSUNG Electronics Co., Ltd.**

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

Product Name

Mobile Phone

Model Name

SM-A376U

Date of Test

October 29, 2025 ~ December 15, 2025

FCC ID

A3LSMA376U

Location of Test

☒ Permanent Testing Lab ☐ On Site Testing

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

FCC Classification:

PCS Licensed Transmitter Held to Ear (PCE)

Test Standard Used

FCC Rule Part: § 27

Test Results

PASS

REVISION HISTORY

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

Revision No.	Date of Issue	Description
0	December 15, 2025	Initial Release

Notice

Content

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

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

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

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

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

Information provided by the applicant Bs marked **.

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

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

The test results in this test report are not associated with the ((KS Q) ISO/IEC 17025) accreditation by KOLAS (Korea Laboratory Accreditation Scheme) / A2LA (American Association for Laboratory Accreditation) that are under the ILAC (International Laboratory Accreditation Cooperation) Mutual Recognition Agreement (MRA).

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MEASUREMENT REPORT

1. GENERAL INFORMATION

Model(s):	SM-A376U
Additional Model(s)	SM-A376U1, SM-S376V
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, 16QAM, 64QAM, 256QAM CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM
Tx Frequency:	2501.010 – 2685.000 : 10 MHz(Sub6 n41) 2503.500 – 2682.480 : 15 MHz(Sub6 n41) 2506.020 – 2679.990 : 20 MHz(Sub6 n41) 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)
Serial number:	Radiated : R3CY90Z80EZ Conducted : R3CY90Z80TK
Antenna Information	Please refer to the Antenna Specification document.

1.1 MAXIMUM OUTPUT POWER

Mode (MHz)	Tx Frequency (MHz)	Emission Designator	Modulation	EIRP	
				Max. Power (W)	Max. Power (dBm)
Sub6 n41 (10)	2501.010 – 2685.000	8M73G7D	PI/2 BPSK	0.421	26.24
		8M70G7D	QPSK	0.419	26.22
		8M64W7D	16QAM	0.337	25.27
		8M75W7D	64QAM	0.226	23.54
		8M64W7D	256QAM	0.145	21.61
Sub6 n41 (15)	2503.500 – 2682.480	12M9G7D	PI/2 BPSK	0.431	26.34
		12M9G7D	QPSK	0.421	26.24
		13M0W7D	16QAM	0.335	25.25
		12M9W7D	64QAM	0.234	23.69
		13M0W7D	256QAM	0.146	21.65
Sub6 n41 (20)	2506.020 – 2679.990	18M0G7D	PI/2 BPSK	0.409	26.12
		18M0G7D	QPSK	0.403	26.05
		18M0W7D	16QAM	0.322	25.08
		18M0W7D	64QAM	0.222	23.46
		18M0W7D	256QAM	0.140	21.47
Sub6 n41 (30)	2511.000 – 2674.980	26M9G7D	PI/2 BPSK	0.422	26.25
		27M0G7D	QPSK	0.414	26.17
		27M0W7D	16QAM	0.334	25.24
		26M9W7D	64QAM	0.230	23.61
		26M9W7D	256QAM	0.146	21.63
Sub6 n41 (40)	2516.010 – 2670.000	36M0G7D	PI/2 BPSK	0.408	26.11
		36M0G7D	QPSK	0.406	26.09
		35M9W7D	16QAM	0.329	25.17
		36M0W7D	64QAM	0.225	23.53
		35M8W7D	256QAM	0.145	21.61
Sub6 n41 (50)	2521.020 – 2664.990	46M0G7D	PI/2 BPSK	0.404	26.06
		46M1G7D	QPSK	0.403	26.05
		45M8W7D	16QAM	0.321	25.06
		46M0W7D	64QAM	0.220	23.43
		45M7W7D	256QAM	0.140	21.45
Sub6 n41 (60)	2526.000 – 2659.980	58M0G7D	PI/2 BPSK	0.410	26.13
		57M9G7D	QPSK	0.404	26.06
		58M3W7D	16QAM	0.323	25.09
		58M2W7D	64QAM	0.222	23.46
		58M3W7D	256QAM	0.141	21.48

Sub6 n41 (70)	2531.010 – 2655.000	64M6G7D	PI/2 BPSK	0.408	26.11
		64M5G7D	QPSK	0.406	26.09
		64M2W7D	16QAM	0.318	25.02
		64M6W7D	64QAM	0.222	23.46
		64M3W7D	256QAM	0.141	21.50
Sub6 n41 (80)	2536.020 – 2649.990	77M3G7D	PI/2 BPSK	0.405	26.07
		77M4G7D	QPSK	0.402	26.04
		77M6W7D	16QAM	0.321	25.06
		77M5W7D	64QAM	0.218	23.38
		77M5W7D	256QAM	0.138	21.39
Sub6 n41 (90)	2541.000 – 2644.980	87M1G7D	PI/2 BPSK	0.413	26.16
		87M1G7D	QPSK	0.410	26.13
		87M1W7D	16QAM	0.330	25.18
		86M8W7D	64QAM	0.224	23.50
		87M0W7D	256QAM	0.141	21.49
Sub6 n41 (100)	2546.010 – 2640.000	96M6G7D	PI/2 BPSK	0.426	26.29
		96M5G7D	QPSK	0.420	26.23
		96M3W7D	16QAM	0.335	25.25
		96M6W7D	64QAM	0.230	23.62
		97M0W7D	256QAM	0.147	21.66

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).

2.4. EQUIPMENT

Radiated emissions are measured with one or more of the following types of Linearly polarized antennas: tuned dipole, bi-conical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements.

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to ANSI/USEMCSC C63.2-2023, "American National Standard for Specifications of Electromagnetic Interference and Field Strength Measuring Instrumentation in the Frequency Range 9 kHz to 40 GHz".

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	- KDB 971168 D01 v03r01 - Section 5.2.4 - ANSI C63.26-2015 - Section 5.2.1 & 5.2.4.2
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 $\geq 3 \times$ RBW
3. No. of sweep points $> 2 \times$ span / RBW
4. Detector = Peak
5. Trace mode = Max Hold
6. The trace was allowed to stabilize
7. Test channel : Low/ Middle/ High
8. 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;

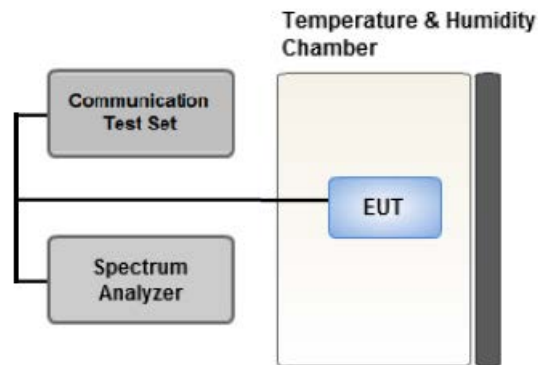
$$\text{Result}_{(\text{dBm})} = P_g_{(\text{dBm})} - \text{cable loss}_{(\text{dB})} + \text{antenna gain}_{(\text{dBi})}$$

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

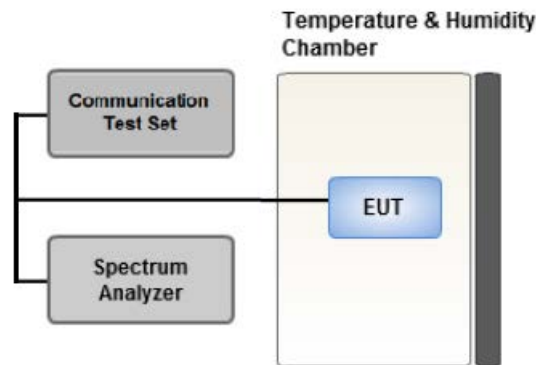


Test setup

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.

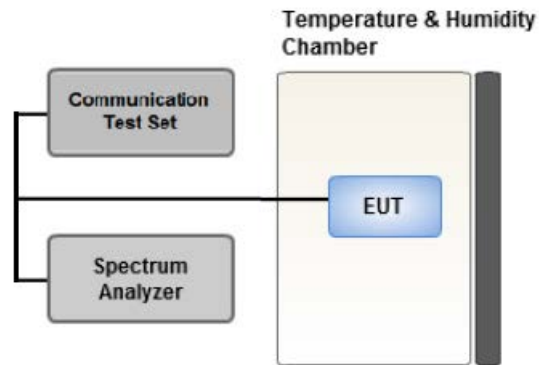
The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.

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

3.6 SPURIOUS AND HARMONIC EMISSIONS AT ANTENNA TERMINAL



Test setup

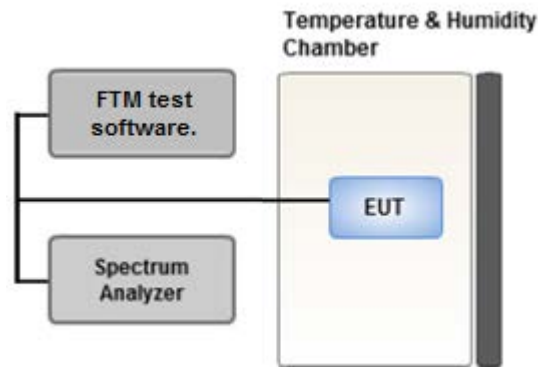
Test Overview

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

Test Settings

1. RBW = 1 MHz
2. VBW $\geq$ 3 MHz
3. Detector = Peak
4. Trace Mode = Max Hold
5. Sweep time = auto
6. Number of points in sweep = 1001 pts

3.7 CHANNEL EDGE



Test setup

Test Overview

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum power and at the appropriate frequencies.

All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

Test Settings

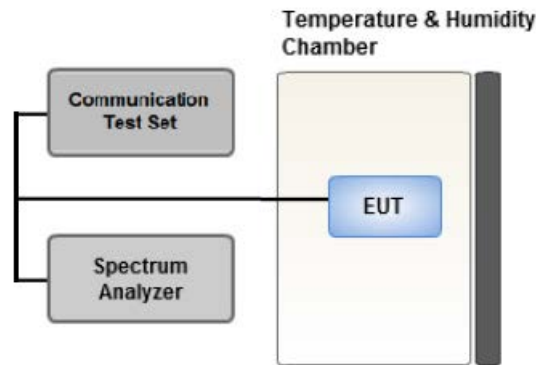
1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. Within 1 MHz of the channel edge the RBW should be 2 % of EBW, then 1 MHz after that.
4. VBW > 3 x RBW
5.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

Test Notes

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

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

3.8 FREQUENCY STABILITY / VARIATION OF AMBIENT TEMPERATURE



Test setup

Test Overview

Frequency stability testing is performed in accordance with the guidelines of ANSI C63.26-2015.

The frequency stability of the transmitter is measured by:

1. Temperature:

The temperature is varied from -30 °C to +50 °C in 10 °C increments using an environmental chamber.

2. Primary Supply Voltage:

.- Unless otherwise specified, vary primary supply voltage from 85 % to 115 % of the nominal value for other than hand carried battery equipment.

.- For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the battery operating end point, which shall be specified by the manufacturer.

Test Settings

1. The carrier frequency of the transmitter is measured at room temperature (20 °C to provide a reference).

2. The equipment is turned on in a “standby” condition for fifteen minutes before applying power to the transmitter.

Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.

3. Frequency measurements are made at 10 °C intervals ranging from -30 °C to +50 °C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

3.9 WORST CASE(RADIATED TEST)

- Waveform : All Waveform of operation were investigated and the worst case configuration results are reported.
(Worst case: DFT-S-OFDM)
- The EUT was tested in three orthogonal planes(X, Y, Z) and in all possible test configurations and positioning.
- All modes of operation were investigated and the worst case configuration results are reported.
Mode: NSA, SA
Worst case: SA
- All power classes were tested, and the results were reported for the worst case PC2 (PC2 Only).
Mode : Stand alone, Stand alone + External accessories (Earphone, AC adapter, etc)
Worst case : Stand alone
- All simultaneous transmission scenarios of operation were investigated, and the test results showed no additional significant emissions relative to the least restrictive limit were observed.
Therefore, only the worst case(stand-alone) results were reported.
- Radiated Spurious emissions are measured while operating in EN-DC mode with Sub 6 NR carrier as well as an LTE carrier (anchor).
All EN-DC mode of operation (=anchor) were investigated and the test results were measured No Peak Found.
The test results which are attenuated more than 20 dB below the permissible value, so it was not reported.
- All RB sizes, offsets of operation were investigated and the worst case configuration results are reported.
Please refer to the table below.
- The test frequencies of 2505 MHz(BW 10 MHz), 2507.5MHz(BW 15 MHz), 2510.01 MHz(BW 20 MHz), 2515.02 MHz(BW 30 MHz), 2520 MHz(BW 40 MHz), 2525.01 MHz(BW 50 MHz), 2530.02 MHz(BW 60 MHz), 2535 MHz(BW 70 MHz), 2540.01 MHz(BW 80 MHz), 2545.02 MHz(BW 90 MHz), 2550 MHz(BW 100 MHz) are for information purposes only.
- SM-A376U & additional models were tested and the worst case results are reported.
(Worst case : SM-A376U)

[Worst case]

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

3.10 WORST CASE(CONDUCTED TEST)

- Waveform : All Waveform of operation were investigated and the worst case configuration results are reported.
(Worst case: DFT-S-OFDM)
- Modulation : All Modulation of operation were investigated and the worst case configuration results are reported.
(Worst case: PI/2 BPSK)
- All modes of operation were investigated and the worst case configuration results are reported.
Mode: NSA, SA
Worst case: SA
- All power classes were tested, and the results were reported for the worst case PC2 (PC2 Only).
- The test frequencies of 2505 MHz(BW 10 MHz), 2507.5MHz(BW 15 MHz), 2510.01 MHz(BW 20 MHz), 2515.02 MHz(BW 30 MHz), 2520 MHz(BW 40 MHz), 2525.01 MHz(BW 50 MHz), 2530.02 MHz(BW 60 MHz), 2535 MHz(BW 70 MHz), 2540.01 MHz(BW 80 MHz), 2545.02 MHz(BW 90 MHz), 2550 MHz(BW 100 MHz) are for information purposes only.
- All RB sizes, offsets of operation were investigated and the worst case configuration results are reported.
Please refer to the table below.
- SM-A376U & additional models were tested and the worst case results are reported.
(Worst case : SM-A376U)

[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

Equipment	Model	Manufacture	Serial No.	Due to Calibration	Calibration Interval
Precision Dipole Antenna	UHAP	Schwarzbeck	01273	03/10/2026	Biennial
Precision Dipole Antenna	UHAP	Schwarzbeck	01274	03/10/2026	Biennial
Horn Antenna(1~18 GHz)	BBHA 9120D	Schwarzbeck	02289	02/14/2026	Biennial
Horn Antenna(1~18 GHz)	BBHA 9120D	Schwarzbeck	9120D-1299	04/17/2026	Biennial
Horn Antenna(15~40 GHz)	BBHA 9170	Schwarzbeck	BBHA9170342	09/20/2026	Biennial
Horn Antenna(15~40 GHz)	BBHA 9170	Schwarzbeck	BBHA9170124	03/23/2027	Biennial
Loop Antenna(9 kHz~30 MHz)	FMZB1513	Rohde & Schwarz	1513-175	01/06/2027	Biennial
Bilog Antenna	VULB9160	Schwarzbeck	3150	03/05/2027	Biennial
Hybrid Antenna	VULB9160	Schwarzbeck	760	02/17/2027	Biennial
RF Switching System	FBSR-06B (1G HPF + LNA)	T&M SYSTEM	F3L1	05/08/2026	Annual
RF Switching System	FBSR-06B (3G HPF + LNA)	T&M SYSTEM	F3L2	05/08/2026	Annual
RF Switching System	FBSR-06B (6G HPF + LNA)	T&M SYSTEM	F3L3	05/08/2026	Annual
RF Switching System	FBSR-06B (LNA)	T&M SYSTEM	F3L4	05/08/2026	Annual
Power Amplifier	CBL18265035	CERNEX	22966	10/21/2026	Annual
Power Amplifier	CBL26405040	CERNEX	25956	02/19/2026	Annual
DC Power Supply	E3632A	Hewlett Packard	MY40004427	08/11/2026	Annual
Power Splitter(DC~26.5 GHz)	11667B	Hewlett Packard	11275	02/04/2026	Annual
Chamber	SU-642	ESPEC	93008124	02/11/2026	Annual
Signal Analyzer(10 Hz~26.5 GHz)	N9020A	Agilent	MY51110063	03/21/2026	Annual
ATTENUATOR(20 dB)	8493C	Hewlett Packard	17280	04/10/2026	Annual
Spectrum Analyzer (10 Hz~40 GHz)	FSV40	REOHDE & SCHWARZ	101436	02/04/2026	Annual
Signal & Spectrum Analyzer (2 Hz~67 GHz)	FSW67	REOHDE & SCHWARZ	101736	05/27/2026	Annual
Base Station	8960 (E5515C)	Agilent	MY48360800	07/29/2026	Annual
Wideband Radio Communication Tester	MT8821C	Anritsu Corp.	6262287701	05/14/2026	Annual
Wideband Radio Communication Tester	MT8000A	Anritsu Corp.	6262302511	05/08/2026	Annual
Signal Analyzer(5 Hz~40.0 GHz)	N9030B	KEYSIGHT	MY55480167	05/14/2026	Annual
UXM 5G Wireless Test Platform	E7515B	KEYSIGHT	MY60101126	02/10/2026	Annual
4-Way Divider	ZC4PD-K1844+	Mini-Circuits	942907	09/05/2026	Annual
SIGNAL GENERATOR (100 kHz ~ 40 GHz)	SMB100A	REOHDE & SCHWARZ	177633	07/22/2026	Annual
Automation Software	FCC 2G/3G/4G Conducted	HCT CO., LTD	-	-	-
Automation Software	FCC NR Conducted	HCT CO., LTD	-	-	-
Automation Software	FCC LTE Radiated	HCT CO., LTD	-	-	-
Automation Software	FCC NR Radiated	HCT CO., LTD	-	-	-

Note:

- Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.
- Especially, all antenna for measurement is calibrated in accordance with the requirements of C63.5- 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	PASS <u>Note1</u>
Frequency stability / variation of ambient temperature	§ 2.1055, § 27.54	Emission must remain in band	PASS

Note:

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

6.2 Test Condition: Radiated Test

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

Note:

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

7. SAMPLE CALCULATION

7.1 ERP Sample Calculation

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

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

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

7.2 EIRP Sample Calculation

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

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

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

7.3. Emission Designator

GSM Emission Designator

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

EDGE Emission Designator

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

WCDMA Emission Designator

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

QPSK Modulation

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

QAM Modulation

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

8. TEST DATA

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	-19.15	17.78	10.61	2.56	H	< 2.00	0.383	25.83	1	12
		QPSK	-19.19	17.74	10.61	2.56	H		0.379	25.79		
		16-QAM	-20.20	16.73	10.61	2.56	H		0.301	24.78		
		64-QAM	-21.58	15.35	10.61	2.56	H		0.219	23.40		
		256-QAM	-23.73	13.20	10.61	2.56	H		0.133	21.25		
2505.000		PI/2 BPSK	-18.69	18.22	10.58	2.56	H		0.421	26.24	1	22
		QPSK	-18.71	18.20	10.58	2.56	H		0.419	26.22		
		16-QAM	-19.66	17.25	10.58	2.56	H		0.337	25.27		
		64-QAM	-21.39	15.52	10.58	2.56	H		0.226	23.54		
		256-QAM	-23.32	13.59	10.58	2.56	H		0.145	21.61		
2592.990		PI/2 BPSK	-20.64	16.88	11.00	2.60	H		0.337	25.28	1	12
		QPSK	-20.67	16.85	11.00	2.60	H		0.335	25.25		
		16-QAM	-21.63	15.89	11.00	2.60	H		0.269	24.29		
		64-QAM	-23.27	14.25	11.00	2.60	H		0.184	22.65		
		256-QAM	-25.21	12.31	11.00	2.60	H		0.118	20.71		
2685.000		PI/2 BPSK	-22.15	15.72	10.82	2.65	H		0.245	23.89	1	12
		QPSK	-22.25	15.62	10.82	2.65	H		0.239	23.79		
		16-QAM	-23.22	14.65	10.82	2.65	H		0.191	22.82		
		64-QAM	-24.78	13.09	10.82	2.65	H		0.134	21.26		
		256-QAM	-26.74	11.13	10.82	2.65	H		0.085	19.30		

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	-19.24	17.67	10.58	2.56	H	< 2.00	0.371	25.69	1	36
		QPSK	-19.27	17.64	10.58	2.56	H		0.368	25.66		
		16-QAM	-20.28	16.63	10.58	2.56	H		0.292	24.65		
		64-QAM	-21.84	15.07	10.58	2.56	H		0.204	23.09		
		256-QAM	-23.81	13.10	10.58	2.56	H		0.129	21.12		
2507.500		PI/2 BPSK	-18.54	18.35	10.55	2.56	H		0.431	26.34	1	19
		QPSK	-18.64	18.25	10.55	2.56	H		0.421	26.24		
		16-QAM	-19.63	17.26	10.55	2.56	H		0.335	25.25		
		64-QAM	-21.19	15.70	10.55	2.56	H		0.234	23.69		
		256-QAM	-23.23	13.66	10.55	2.56	H		0.146	21.65		
2592.990		PI/2 BPSK	-20.63	16.89	11.00	2.60	H		0.338	25.29	1	19
		QPSK	-20.67	16.85	11.00	2.60	H		0.335	25.25		
		16-QAM	-21.60	15.92	11.00	2.60	H		0.270	24.32		
		64-QAM	-23.29	14.23	11.00	2.60	H		0.183	22.63		
		256-QAM	-25.21	12.31	11.00	2.60	H		0.118	20.71		
2682.480		PI/2 BPSK	-22.31	15.48	10.84	2.65	H		0.233	23.67	1	19
		QPSK	-22.43	15.36	10.84	2.65	H		0.226	23.55		
		16-QAM	-23.41	14.38	10.84	2.65	H		0.181	22.57		
		64-QAM	-24.99	12.80	10.84	2.65	H		0.126	20.99		
		256-QAM	-27.00	10.79	10.84	2.65	H		0.079	18.98		

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	-19.04	17.87	10.58	2.56	H	< 2.00	0.388	25.89	1	25
		QPSK	-19.17	17.74	10.58	2.56	H		0.377	25.76		
		16-QAM	-20.12	16.79	10.58	2.56	H		0.303	24.81		
		64-QAM	-21.76	15.15	10.58	2.56	H		0.207	23.17		
		256-QAM	-23.72	13.19	10.58	2.56	H		0.132	21.21		
2510.010		PI/2 BPSK	-18.76	18.13	10.55	2.56	H		0.409	26.12	1	1
		QPSK	-18.83	18.06	10.55	2.56	H		0.403	26.05		
		16-QAM	-19.80	17.09	10.55	2.56	H		0.322	25.08		
		64-QAM	-21.42	15.47	10.55	2.56	H		0.222	23.46		
		256-QAM	-23.41	13.48	10.55	2.56	H		0.140	21.47		
2592.990		PI/2 BPSK	-20.64	16.88	11.00	2.60	H		0.337	25.28	1	25
		QPSK	-20.77	16.75	11.00	2.60	H		0.327	25.15		
		16-QAM	-21.77	15.75	11.00	2.60	H		0.260	24.15		
		64-QAM	-23.28	14.24	11.00	2.60	H		0.184	22.64		
		256-QAM	-25.24	12.28	11.00	2.60	H		0.117	20.68		
2679.990		PI/2 BPSK	-22.29	15.50	10.84	2.65	H		0.234	23.69	1	49
		QPSK	-22.34	15.45	10.84	2.65	H		0.231	23.64		
		16-QAM	-23.32	14.47	10.84	2.65	H		0.185	22.66		
		64-QAM	-24.91	12.88	10.84	2.65	H		0.128	21.07		
		256-QAM	-26.89	10.90	10.84	2.65	H		0.081	19.09		

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	-19.10	17.79	10.55	2.56	H	< 2.00	0.378	25.78	1	39
		QPSK	-19.20	17.69	10.55	2.56	H		0.370	25.68		
		16-QAM	-20.16	16.73	10.55	2.56	H		0.296	24.72		
		64-QAM	-21.75	15.14	10.55	2.56	H		0.206	23.13		
		256-QAM	-23.74	13.15	10.55	2.56	H		0.130	21.14		
2515.020		PI/2 BPSK	-18.66	18.29	10.52	2.56	H		0.422	26.25	1	39
		QPSK	-18.74	18.21	10.52	2.56	H		0.414	26.17		
		16-QAM	-19.67	17.28	10.52	2.56	H		0.334	25.24		
		64-QAM	-21.30	15.65	10.52	2.56	H		0.230	23.61		
		256-QAM	-23.28	13.67	10.52	2.56	H		0.146	21.63		
2592.990		PI/2 BPSK	-20.47	17.05	11.00	2.60	H		0.351	25.45	1	39
		QPSK	-20.50	17.02	11.00	2.60	H		0.348	25.42		
		16-QAM	-21.45	16.07	11.00	2.60	H		0.280	24.47		
		64-QAM	-23.12	14.40	11.00	2.60	H		0.191	22.80		
		256-QAM	-25.04	12.48	11.00	2.60	H		0.122	20.88		
2674.980		PI/2 BPSK	-22.28	15.41	10.85	2.65	H		0.230	23.61	1	76
		QPSK	-22.29	15.40	10.85	2.65	H		0.229	23.60		
		16-QAM	-23.28	14.41	10.85	2.65	H		0.182	22.61		
		64-QAM	-24.87	12.82	10.85	2.65	H		0.126	21.02		
		256-QAM	-26.89	10.80	10.85	2.65	H		0.079	19.00		

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	-18.90	18.05	10.52	2.56	H	< 2.00	0.399	26.01	1	53
		QPSK	-18.94	18.01	10.52	2.56	H		0.395	25.97		
		16-QAM	-19.94	17.01	10.52	2.56	H		0.314	24.97		
		64-QAM	-21.42	15.53	10.52	2.56	H		0.223	23.49		
		256-QAM	-23.42	13.53	10.52	2.56	H		0.141	21.49		
2520.000		PI/2 BPSK	-18.83	18.18	10.49	2.56	H		0.408	26.11	1	53
		QPSK	-18.85	18.16	10.49	2.56	H		0.406	26.09		
		16-QAM	-19.77	17.24	10.49	2.56	H		0.329	25.17		
		64-QAM	-21.41	15.60	10.49	2.56	H		0.225	23.53		
		256-QAM	-23.33	13.68	10.49	2.56	H		0.145	21.61		
2592.990		PI/2 BPSK	-20.40	17.12	11.00	2.60	H		0.356	25.52	1	53
		QPSK	-20.41	17.11	11.00	2.60	H		0.356	25.51		
		16-QAM	-21.39	16.13	11.00	2.60	H		0.284	24.53		
		64-QAM	-23.04	14.48	11.00	2.60	H		0.194	22.88		
		256-QAM	-24.96	12.56	11.00	2.60	H		0.125	20.96		
2670.000		PI/2 BPSK	-22.27	15.31	10.87	2.65	H		0.225	23.53	1	104
		QPSK	-22.28	15.30	10.87	2.65	H		0.225	23.52		
		16-QAM	-23.28	14.30	10.87	2.65	H		0.179	22.52		
		64-QAM	-24.85	12.73	10.87	2.65	H		0.124	20.95		
		256-QAM	-26.85	10.73	10.87	2.65	H		0.079	18.95		

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	-18.89	18.12	10.49	2.56	H	< 2.00	0.403	26.05	1	66
		QPSK	-19.02	17.99	10.49	2.56	H		0.391	25.92		
		16-QAM	-19.96	17.05	10.49	2.56	H		0.315	24.98		
		64-QAM	-21.63	15.38	10.49	2.56	H		0.214	23.31		
		256-QAM	-23.61	13.40	10.49	2.56	H		0.136	21.33		
2525.010		PI/2 BPSK	-18.90	18.10	10.52	2.56	H		0.404	26.06	1	1
		QPSK	-18.91	18.09	10.52	2.56	H		0.403	26.05		
		16-QAM	-19.90	17.10	10.52	2.56	H		0.321	25.06		
		64-QAM	-21.53	15.47	10.52	2.56	H		0.220	23.43		
		256-QAM	-23.51	13.49	10.52	2.56	H		0.140	21.45		
2592.990		PI/2 BPSK	-20.41	17.11	11.00	2.60	H		0.356	25.51	1	66
		QPSK	-20.54	16.98	11.00	2.60	H		0.345	25.38		
		16-QAM	-21.53	15.99	11.00	2.60	H		0.275	24.39		
		64-QAM	-23.05	14.47	11.00	2.60	H		0.194	22.87		
		256-QAM	-25.01	12.51	11.00	2.60	H		0.123	20.91		
2664.990		PI/2 BPSK	-22.27	15.32	10.88	2.65	H		0.226	23.55	1	131
		QPSK	-22.28	15.31	10.88	2.65	H		0.226	23.54		
		16-QAM	-23.25	14.34	10.88	2.65	H		0.181	22.57		
		64-QAM	-24.91	12.68	10.88	2.65	H		0.123	20.91		
		256-QAM	-26.89	10.70	10.88	2.65	H		0.078	18.93		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2526.000	Sub6 n41 / 60 MHz [30 kHz]	PI/2 BPSK	-19.05	17.95	10.52	2.56	H	< 2.00	0.390	25.91	1	82
		QPSK	-19.08	17.92	10.52	2.56	H		0.387	25.88		
		16-QAM	-20.03	16.97	10.52	2.56	H		0.311	24.93		
		64-QAM	-21.69	15.31	10.52	2.56	H		0.212	23.27		
		256-QAM	-23.67	13.33	10.52	2.56	H		0.135	21.29		
2530.020		PI/2 BPSK	-18.85	18.14	10.56	2.57	H		0.410	26.13	1	1
		QPSK	-18.92	18.07	10.56	2.57	H		0.404	26.06		
		16-QAM	-19.89	17.10	10.56	2.57	H		0.323	25.09		
		64-QAM	-21.52	15.47	10.56	2.57	H		0.222	23.46		
		256-QAM	-23.50	13.49	10.56	2.57	H		0.141	21.48		
2592.990		PI/2 BPSK	-20.31	17.21	11.00	2.60	H		0.364	25.61	1	1
		QPSK	-20.32	17.20	11.00	2.60	H		0.363	25.60		
		16-QAM	-21.29	16.23	11.00	2.60	H		0.290	24.63		
		64-QAM	-22.89	14.63	11.00	2.60	H		0.201	23.03		
		256-QAM	-24.89	12.63	11.00	2.60	H		0.127	21.03		
2659.980		PI/2 BPSK	-22.08	15.51	10.90	2.65	H		0.238	23.76	1	1
		QPSK	-22.09	15.50	10.90	2.65	H		0.237	23.75		
		16-QAM	-23.10	14.49	10.90	2.65	H		0.188	22.74		
		64-QAM	-24.66	12.93	10.90	2.65	H		0.131	21.18		
		256-QAM	-26.63	10.96	10.90	2.65	H		0.083	19.21		

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 n41/ 70 MHz [30 kHz]	PI/2 BPSK	-19.21	17.78	10.56	2.57	H	< 2.00	0.378	25.77	1	1
		QPSK	-19.27	17.72	10.56	2.57	H		0.372	25.71		
		16-QAM	-20.27	16.72	10.56	2.57	H		0.296	24.71		
		64-QAM	-21.87	15.12	10.56	2.57	H		0.205	23.11		
		256-QAM	-23.85	13.14	10.56	2.57	H		0.130	21.13		
2535.000		PI/2 BPSK	-18.86	18.09	10.59	2.57	H		0.408	26.11	1	94
		QPSK	-18.88	18.07	10.59	2.57	H		0.406	26.09		
		16-QAM	-19.95	17.00	10.59	2.57	H		0.318	25.02		
		64-QAM	-21.51	15.44	10.59	2.57	H		0.222	23.46		
		256-QAM	-23.47	13.48	10.59	2.57	H		0.141	21.50		
2592.990		PI/2 BPSK	-20.44	17.08	11.00	2.60	H		0.353	25.48	1	94
		QPSK	-20.59	16.93	11.00	2.60	H		0.341	25.33		
		16-QAM	-21.57	15.95	11.00	2.60	H		0.272	24.35		
		64-QAM	-23.08	14.44	11.00	2.60	H		0.192	22.84		
		256-QAM	-25.07	12.45	11.00	2.60	H		0.122	20.85		
2655.000		PI/2 BPSK	-21.13	16.54	10.91	2.65	H		0.302	24.80	1	1
		QPSK	-21.14	16.53	10.91	2.65	H		0.301	24.79		
		16-QAM	-22.12	15.55	10.91	2.65	H		0.240	23.81		
		64-QAM	-23.70	13.97	10.91	2.65	H		0.167	22.23		
		256-QAM	-25.68	11.99	10.91	2.65	H		0.106	20.25		

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 n41/ 80 MHz [30 kHz]	PI/2 BPSK	-19.15	17.80	10.59	2.57	H	< 2.00	0.382	25.82	1	108
		QPSK	-19.23	17.72	10.59	2.57	H		0.375	25.74		
		16-QAM	-20.15	16.80	10.59	2.57	H		0.303	24.82		
		64-QAM	-21.89	15.06	10.59	2.57	H		0.203	23.08		
		256-QAM	-23.88	13.07	10.59	2.57	H		0.129	21.09		
2540.010		PI/2 BPSK	-18.89	18.02	10.62	2.57	H		0.405	26.07	1	1
		QPSK	-18.92	17.99	10.62	2.57	H		0.402	26.04		
		16-QAM	-19.90	17.01	10.62	2.57	H		0.321	25.06		
		64-QAM	-21.58	15.33	10.62	2.57	H		0.218	23.38		
		256-QAM	-23.57	13.34	10.62	2.57	H		0.138	21.39		
2592.990		PI/2 BPSK	-20.51	17.01	11.00	2.60	H		0.348	25.41	1	108
		QPSK	-20.67	16.85	11.00	2.60	H		0.335	25.25		
		16-QAM	-21.64	15.88	11.00	2.60	H		0.268	24.28		
		64-QAM	-23.17	14.35	11.00	2.60	H		0.188	22.75		
		256-QAM	-25.13	12.39	11.00	2.60	H		0.120	20.79		
2649.990		PI/2 BPSK	-20.59	17.15	10.93	2.65	H		0.349	25.43	1	1
		QPSK	-20.66	17.08	10.93	2.65	H		0.344	25.36		
		16-QAM	-21.62	16.12	10.93	2.65	H		0.275	24.40		
		64-QAM	-23.24	14.50	10.93	2.65	H		0.190	22.78		
		256-QAM	-25.20	12.54	10.93	2.65	H		0.121	20.82		

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 n41/ 90 MHz [30 kHz]	PI/2 BPSK	-19.17	17.74	10.62	2.57	H	<2.00	0.379	25.79	1	122
		QPSK	-19.29	17.62	10.62	2.57	H		0.369	25.67		
		16-QAM	-20.35	16.56	10.62	2.57	H		0.289	24.61		
		64-QAM	-21.97	14.94	10.62	2.57	H		0.199	22.99		
		256-QAM	-23.92	12.99	10.62	2.57	H		0.127	21.04		
2545.020		PI/2 BPSK	-18.89	18.07	10.66	2.57	H		0.413	26.16	1	1
		QPSK	-18.92	18.04	10.66	2.57	H		0.410	26.13		
		16-QAM	-19.87	17.09	10.66	2.57	H		0.330	25.18		
		64-QAM	-21.55	15.41	10.66	2.57	H		0.224	23.50		
		256-QAM	-23.56	13.40	10.66	2.57	H		0.141	21.49		
2592.990		PI/2 BPSK	-20.29	17.23	11.00	2.60	H		0.366	25.63	1	1
		QPSK	-20.34	17.18	11.00	2.60	H		0.361	25.58		
		16-QAM	-21.31	16.21	11.00	2.60	H		0.289	24.61		
		64-QAM	-22.88	14.64	11.00	2.60	H		0.201	23.04		
		256-QAM	-24.85	12.67	11.00	2.60	H		0.128	21.07		
2644.980		PI/2 BPSK	-20.40	17.33	10.95	2.64	H		0.366	25.64	1	1
		QPSK	-20.41	17.32	10.95	2.64	H		0.366	25.63		
		16-QAM	-21.42	16.31	10.95	2.64	H		0.290	24.62		
		64-QAM	-23.00	14.73	10.95	2.64	H		0.201	23.04		
		256-QAM	-24.94	12.79	10.95	2.64	H		0.129	21.10		

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 n41/ 100 MHz [30 kHz]	PI/2 BPSK	-19.50	17.46	10.66	2.57	H	< 2.00	0.359	25.55	1	1
		QPSK	-19.51	17.45	10.66	2.57	H		0.358	25.54		
		16-QAM	-20.51	16.45	10.66	2.57	H		0.284	24.54		
		64-QAM	-22.06	14.90	10.66	2.57	H		0.199	22.99		
		256-QAM	-24.02	12.94	10.66	2.57	H		0.127	21.03		
2550.000		PI/2 BPSK	-18.85	18.18	10.69	2.58	H		0.426	26.29	1	1
		QPSK	-18.91	18.12	10.69	2.58	H		0.420	26.23		
		16-QAM	-19.89	17.14	10.69	2.58	H		0.335	25.25		
		64-QAM	-21.52	15.51	10.69	2.58	H		0.230	23.62		
		256-QAM	-23.48	13.55	10.69	2.58	H		0.147	21.66		
2592.990		PI/2 BPSK	-20.35	17.17	11.00	2.60	H		0.361	25.57	1	1
		QPSK	-20.36	17.16	11.00	2.60	H		0.360	25.56		
		16-QAM	-21.58	15.94	11.00	2.60	H		0.272	24.34		
		64-QAM	-23.06	14.46	11.00	2.60	H		0.193	22.86		
		256-QAM	-25.04	12.48	11.00	2.60	H		0.122	20.88		
2640.000		PI/2 BPSK	-20.31	17.42	10.96	2.63	H		0.376	25.75	1	1
		QPSK	-20.33	17.40	10.96	2.63	H		0.374	25.73		
		16-QAM	-21.36	16.37	10.96	2.63	H		0.295	24.70		
		64-QAM	-22.91	14.82	10.96	2.63	H		0.207	23.15		
		256-QAM	-24.85	12.88	10.96	2.63	H		0.132	21.21		

8.2 RADIATED SPURIOUS EMISSIONS

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

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
500202 (2501.010)	5 002.02	-52.78	12.91	-54.00	3.77	H	-44.86	-25.00	1	12
	7 503.03	-52.61	11.57	-45.31	4.73	H	-38.47	-25.00		
	10 004.04	-49.06	11.29	-39.86	5.48	H	-34.05	-25.00		
	12 505.05	-53.15	14.07	-43.70	6.26	V	-35.89	-25.00		
501000 (2505.000)	5 010.00	-52.99	12.88	-54.02	3.76	H	-44.90	-25.00	1	22
	7 515.00	-53.33	11.60	-46.16	4.73	H	-39.29	-25.00		
	10 020.00	-49.95	11.32	-40.90	5.47	H	-35.05	-25.00		
	12 525.00	-52.60	14.05	-42.98	6.25	V	-35.18	-25.00		
518598 (2592.990)	5 185.98	-58.45	13.18	-59.92	3.83	H	-50.57	-25.00	1	12
	7 778.97	-54.55	11.94	-47.24	4.81	H	-40.11	-25.00		
	10 371.96	-54.02	11.02	-42.92	5.61	H	-37.51	-25.00		
	12 964.95	-51.72	13.45	-41.81	6.48	V	-34.84	-25.00		
537000 (2685.000)	5 370.00	-60.30	13.60	-61.99	3.93	H	-52.32	-25.00	1	12
	8 055.00	-52.75	11.49	-45.70	4.88	H	-39.09	-25.00		
	10 740.00	-54.77	10.99	-42.97	5.70	H	-37.68	-25.00		
	13 425.00	-52.78	12.88	-41.43	6.52	V	-35.07	-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	-53.32	12.89	-54.44	3.76	H	-45.31	-25.00	1	36
	7 510.50	-52.99	11.58	-45.80	4.73	H	-38.95	-25.00		
	10 014.00	-49.57	11.31	-40.66	5.47	H	-34.82	-25.00		
	12 517.50	-52.43	14.06	-42.65	6.24	V	-34.83	-25.00		
501504 (2507.500)	5 015.04	-54.08	12.87	-55.10	3.76	H	-45.99	-25.00	1	19
	7 522.56	-53.45	11.63	-46.24	4.73	H	-39.34	-25.00		
	10 030.08	-49.84	11.33	-41.22	5.48	H	-35.37	-25.00		
	12 537.60	-52.49	14.03	-43.23	6.29	V	-35.49	-25.00		
518598 (2592.990)	5 185.98	-58.88	13.18	-60.35	3.83	H	-51.00	-25.00	1	19
	7 778.97	-53.39	11.94	-46.08	4.81	H	-38.95	-25.00		
	10 371.96	-54.07	11.02	-42.97	5.61	H	-37.56	-25.00		
	12 964.95	-52.09	13.45	-42.18	6.48	V	-35.21	-25.00		
536496 (2682.480)	5 364.96	-57.00	13.61	-58.74	3.92	H	-49.05	-25.00	1	19
	8 047.44	-52.96	11.48	-45.94	4.88	H	-39.34	-25.00		
	10 729.92	-55.32	11.01	-43.84	5.68	H	-38.51	-25.00		
	13 412.40	-52.27	12.92	-41.48	6.49	V	-35.05	-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	-54.44	12.88	-55.47	3.76	H	-46.35	-25.00	1	25
	7 518.06	-53.31	11.61	-46.14	4.73	H	-39.26	-25.00		
	10 024.08	-49.74	11.32	-40.90	5.47	H	-35.05	-25.00		
	12 530.10	-51.93	14.04	-42.48	6.26	V	-34.70	-25.00		
502002 (2510.010)	5 020.02	-53.33	12.85	-54.33	3.75	H	-45.23	-25.00	1	1
	7 530.03	-53.78	11.64	-46.52	4.74	H	-39.62	-25.00		
	10 040.04	-49.99	11.34	-41.02	5.49	H	-35.17	-25.00		
	12 550.05	-53.02	14.02	-44.38	6.32	V	-36.68	-25.00		
518598 (2592.990)	5 185.98	-57.42	13.18	-58.89	3.83	H	-49.54	-25.00	1	25
	7 778.97	-53.21	11.94	-45.90	4.81	H	-38.77	-25.00		
	10 371.96	-53.89	11.02	-42.79	5.61	H	-37.38	-25.00		
	12 964.95	-51.67	13.45	-41.76	6.48	V	-34.79	-25.00		
535998 (2679.990)	5 359.98	-59.43	13.62	-61.23	3.91	H	-51.52	-25.00	1	49
	8 039.97	-53.93	11.48	-46.89	4.88	H	-40.29	-25.00		
	10 719.96	-55.78	11.03	-44.43	5.68	H	-39.08	-25.00		
	13 399.95	-53.69	12.94	-43.05	6.49	V	-36.60	-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	-55.01	12.85	-56.01	3.75	H	-46.91	-25.00	1	39
	7 533.00	-53.65	11.65	-46.21	4.74	H	-39.30	-25.00		
	10 044.00	-49.70	11.35	-40.59	5.50	H	-34.74	-25.00		
	12 555.00	-53.45	14.01	-44.53	6.32	V	-36.84	-25.00		
503004 (2515.020)	5 030.04	-53.65	12.83	-54.80	3.74	H	-45.71	-25.00	1	39
	7 545.06	-53.32	11.68	-45.73	4.74	H	-38.79	-25.00		
	10 060.08	-50.18	11.37	-41.22	5.51	H	-35.36	-25.00		
	12 575.10	-52.79	13.98	-43.15	6.33	V	-35.50	-25.00		
518598 (2592.990)	5 185.98	-56.89	13.18	-58.36	3.83	H	-49.01	-25.00	1	39
	7 778.97	-53.68	11.94	-46.37	4.81	H	-39.24	-25.00		
	10 371.96	-54.20	11.02	-43.10	5.61	H	-37.69	-25.00		
	12 964.95	-52.28	13.45	-42.37	6.48	V	-35.40	-25.00		
534996 (2674.980)	5 349.96	-58.35	13.64	-60.14	3.90	H	-50.40	-25.00	1	76
	8 024.94	-53.76	11.49	-46.67	4.88	H	-40.06	-25.00		
	10 699.92	-54.98	11.08	-43.22	5.71	H	-37.85	-25.00		
	13 374.90	-53.97	13.01	-43.58	6.52	V	-37.09	-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	-53.98	12.83	-55.13	3.74	H	-46.04	-25.00	1	53
	7 548.03	-53.79	11.70	-46.23	4.74	H	-39.27	-25.00		
	10 064.04	-50.59	11.37	-41.44	5.52	H	-35.59	-25.00		
	12 580.05	-53.32	13.97	-43.28	6.32	V	-35.63	-25.00		
504000 (2520.000)	5 040.00	-53.27	12.80	-54.75	3.75	H	-45.70	-25.00	1	53
	7 560.00	-52.69	11.72	-45.22	4.75	H	-38.25	-25.00		
	10 080.00	-50.42	11.39	-41.63	5.53	H	-35.77	-25.00		
	12 600.00	-52.94	13.94	-43.15	6.28	V	-35.49	-25.00		
518598 (2592.990)	5 185.98	-58.84	13.18	-60.31	3.83	H	-50.96	-25.00	1	53
	7 778.97	-54.07	11.94	-46.76	4.81	H	-39.63	-25.00		
	10 371.96	-53.04	11.02	-41.94	5.61	H	-36.53	-25.00		
	12 964.95	-52.45	13.45	-42.54	6.48	V	-35.57	-25.00		
534000 (2670.000)	5 340.00	-57.05	13.65	-59.02	3.88	H	-49.25	-25.00	1	104
	8 010.00	-53.14	11.49	-45.93	4.88	H	-39.32	-25.00		
	10 680.00	-55.01	11.06	-42.87	5.71	H	-37.52	-25.00		
	13 350.00	-53.49	13.07	-43.45	6.54	V	-36.92	-25.00		

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

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
504204 (2521.020)	5 042.04	-54.18	12.80	-55.66	3.75	H	-46.61	-25.00	1	66
	7 563.06	-53.28	11.74	-45.99	4.74	H	-38.99	-25.00		
	10 084.08	-50.81	11.39	-41.91	5.54	H	-36.06	-25.00		
	12 605.10	-52.77	13.92	-43.27	6.29	V	-35.64	-25.00		
505002 (2525.010)	5 050.02	-52.99	12.77	-54.49	3.75	H	-45.47	-25.00	1	1
	7 575.03	-52.98	11.76	-45.97	4.75	H	-38.96	-25.00		
	10 100.04	-50.17	11.41	-40.93	5.54	H	-35.06	-25.00		
	12 625.05	-52.85	13.87	-43.64	6.29	V	-36.06	-25.00		
518598 (2592.990)	5 185.98	-57.96	13.18	-59.43	3.83	H	-50.08	-25.00	1	66
	7 778.97	-54.66	11.94	-47.35	4.81	H	-40.22	-25.00		
	10 371.96	-51.09	11.02	-39.99	5.61	H	-34.58	-25.00		
	12 964.95	-52.46	13.45	-42.55	6.48	V	-35.58	-25.00		
532998 (2664.990)	5 329.98	-58.74	13.65	-60.52	3.88	H	-50.75	-25.00	1	131
	7 994.97	-52.99	11.50	-45.76	4.88	H	-39.14	-25.00		
	10 659.96	-54.77	11.04	-42.79	5.66	H	-37.41	-25.00		
	13 324.95	-53.76	13.14	-43.10	6.51	V	-36.47	-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	-54.44	12.77	-55.94	3.75	H	-46.92	-25.00	1	82
	7 578.00	-54.02	11.78	-47.12	4.76	H	-40.10	-25.00		
	10 104.00	-50.44	11.41	-41.08	5.53	H	-35.20	-25.00		
	12 630.00	-52.09	13.85	-42.91	6.29	V	-35.35	-25.00		
506004 (2530.020)	5 060.04	-52.65	12.75	-53.94	3.77	H	-44.96	-25.00	1	1
	7 590.06	-53.74	11.80	-46.96	4.76	H	-39.92	-25.00		
	10 120.08	-50.50	11.41	-40.45	5.50	H	-34.54	-25.00		
	12 650.10	-53.78	13.80	-44.24	6.31	V	-36.75	-25.00		
518598 (2592.990)	5 185.98	-57.50	13.18	-58.97	3.83	H	-49.62	-25.00	1	1
	7 778.97	-53.19	11.94	-45.88	4.81	H	-38.75	-25.00		
	10 371.96	-52.18	11.02	-41.08	5.61	H	-35.67	-25.00		
	12 964.95	-54.37	13.45	-44.46	6.48	V	-37.49	-25.00		
531996 (2659.980)	5 319.96	-58.49	13.66	-60.23	3.87	H	-50.44	-25.00	1	1
	7 979.94	-52.84	11.53	-45.70	4.86	H	-39.03	-25.00		
	10 639.92	-54.89	11.02	-42.59	5.66	H	-37.23	-25.00		
	13 299.90	-52.76	13.21	-42.07	6.48	V	-35.34	-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	-53.56	12.75	-54.85	3.77	H	-45.87	-25.00	1	1
	7 593.03	-53.75	11.82	-46.91	4.77	H	-39.86	-25.00		
	10 124.04	-51.00	11.41	-41.33	5.49	H	-35.41	-25.00		
	12 655.05	-54.27	13.78	-44.73	6.33	V	-37.28	-25.00		
507000 (2535.000)	5 070.00	-54.37	12.72	-55.48	3.78	H	-46.54	-25.00	1	94
	7 605.00	-54.91	11.84	-48.06	4.77	H	-40.99	-25.00		
	10 140.00	-51.32	11.41	-41.34	5.49	H	-35.42	-25.00		
	12 675.00	-53.11	13.74	-43.52	6.37	V	-36.15	-25.00		
518598 (2592.990)	5 185.98	-57.32	13.18	-58.79	3.83	H	-49.44	-25.00	1	94
	7 778.97	-53.67	11.94	-46.36	4.81	H	-39.23	-25.00		
	10 371.96	-52.99	11.02	-41.89	5.61	H	-36.48	-25.00		
	12 964.95	-52.82	13.45	-42.91	6.48	V	-35.94	-25.00		
531000 (2655.000)	5 310.00	-56.54	13.67	-58.02	3.87	H	-48.22	-25.00	1	1
	7 965.00	-53.35	11.56	-45.98	4.86	H	-39.28	-25.00		
	10 620.00	-53.68	10.99	-41.94	5.65	H	-36.60	-25.00		
	13 275.00	-53.67	13.27	-42.84	6.50	V	-36.07	-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	-54.00	12.72	-55.11	3.78	H	-46.17	-25.00	1	108
	7 608.06	-54.11	11.85	-47.32	4.76	H	-40.23	-25.00		
	10 144.08	-50.65	11.41	-41.11	5.51	H	-35.21	-25.00		
	12 680.10	-53.18	13.72	-43.39	6.37	V	-36.04	-25.00		
508002 (2540.010)	5 080.02	-54.65	12.69	-55.63	3.79	H	-46.73	-25.00	1	1
	7 620.03	-54.66	11.86	-48.02	4.75	H	-40.91	-25.00		
	10 160.04	-51.54	11.40	-41.56	5.55	H	-35.71	-25.00		
	12 700.05	-53.66	13.68	-43.20	6.36	V	-35.88	-25.00		
518598 (2592.990)	5 185.98	-56.84	13.18	-58.31	3.83	H	-48.96	-25.00	1	108
	7 778.97	-55.58	11.94	-48.27	4.81	H	-41.14	-25.00		
	10 371.96	-52.70	11.02	-41.60	5.61	H	-36.19	-25.00		
	12 964.95	-52.72	13.45	-42.81	6.48	V	-35.84	-25.00		
529998 (2649.990)	5 299.98	-57.79	13.67	-59.38	3.88	H	-49.59	-25.00	1	1
	7 949.97	-53.90	11.59	-46.43	4.87	H	-39.71	-25.00		
	10 599.96	-54.89	10.95	-43.85	5.65	H	-38.55	-25.00		
	13 249.95	-52.90	13.33	-42.45	6.51	V	-35.63	-25.00		

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

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
508200 (2541.000)	5 082.00	-53.13	12.69	-54.11	3.79	H	-45.21	-25.00	1	122
	7 623.00	-53.44	11.87	-46.76	4.76	H	-39.65	-25.00		
	10 164.00	-51.51	11.40	-41.83	5.55	H	-35.98	-25.00		
	12 705.00	-52.88	13.67	-42.48	6.34	V	-35.15	-25.00		
509004 (2545.020)	5 090.04	-54.00	12.67	-54.96	3.79	H	-46.08	-25.00	1	1
	7 635.06	-55.31	11.88	-48.52	4.76	H	-41.40	-25.00		
	10 180.08	-51.55	11.39	-41.63	5.56	H	-35.80	-25.00		
	12 725.10	-53.78	13.62	-42.84	6.35	V	-35.57	-25.00		
518598 (2592.990)	5 185.98	-57.49	13.18	-58.96	3.83	H	-49.61	-25.00	1	1
	7 778.97	-55.00	11.94	-47.69	4.81	H	-40.56	-25.00		
	10 371.96	-52.44	11.02	-41.34	5.61	H	-35.93	-25.00		
	12 964.95	-54.51	13.45	-44.60	6.48	V	-37.63	-25.00		
528996 (2644.980)	5 289.96	-58.41	13.65	-59.96	3.88	H	-50.19	-25.00	1	1
	7 934.94	-53.10	11.62	-45.89	4.87	H	-39.14	-25.00		
	10 579.92	-55.04	10.93	-44.13	5.68	H	-38.88	-25.00		
	13 224.90	-52.98	13.37	-42.83	6.48	V	-35.94	-25.00		

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

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
509202 (2546.010)	5 092.02	-52.50	12.67	-53.46	3.79	H	-44.58	-25.00	1	1
	7 638.03	-53.19	11.89	-46.33	4.76	H	-39.20	-25.00		
	10 184.04	-49.43	11.38	-39.63	5.56	H	-33.81	-25.00		
	12 730.05	-55.16	13.61	-44.28	6.35	V	-37.02	-25.00		
510000 (2550.000)	5 100.00	-53.11	12.64	-54.19	3.81	H	-45.36	-25.00	1	1
	7 650.00	-53.89	11.91	-46.78	4.77	H	-39.64	-25.00		
	10 200.00	-51.79	11.37	-41.90	5.55	H	-36.08	-25.00		
	12 750.00	-53.59	13.57	-42.35	6.39	V	-35.17	-25.00		
518598 (2592.990)	5 185.98	-56.86	13.18	-58.33	3.83	H	-48.98	-25.00	1	1
	7 778.97	-54.66	11.94	-47.35	4.81	H	-40.22	-25.00		
	10 371.96	-52.13	11.02	-41.03	5.61	H	-35.62	-25.00		
	12 964.95	-54.53	13.45	-44.62	6.48	V	-37.65	-25.00		
528000 (2640.000)	5 280.00	-57.66	13.63	-59.35	3.88	H	-49.60	-25.00	1	1
	7 920.00	-52.79	11.66	-45.88	4.85	H	-39.07	-25.00		
	10 560.00	-54.34	10.91	-43.94	5.68	H	-38.71	-25.00		
	13 200.00	-52.26	13.41	-42.24	6.49	V	-35.32	-25.00		

8.3 PEAK-TO-AVERAGE RATIO

Band	Band Width	Frequen cy (MHz)	Modulatio n	Resourc e Block Size	Resourc e Block Offset	Data (dB)	Limit (dB)
Sub6 n41	10 MHz	2592.990	PI/2 BPSK	24	0	4.61	13.00
			QPSK			5.75	
			16-QAM			6.54	
			64-QAM			6.87	
			256-QAM			6.76	
	15 MHz		PI/2 BPSK	36		4.33	
			QPSK			5.70	
			16-QAM			6.31	
			64-QAM			6.76	
			256-QAM			6.69	
	20 MHz		PI/2 BPSK	50		4.56	
			QPSK			5.89	
			16-QAM			6.47	
			64-QAM			6.78	
			256-QAM			6.69	
	30 MHz		PI/2 BPSK	75		4.73	
			QPSK			5.80	
			16-QAM			6.73	
			64-QAM			6.69	
			256-QAM			6.87	
	40 MHz		PI/2 BPSK	100		4.97	
			QPSK			5.84	
			16-QAM			6.39	
			64-QAM			6.68	
			256-QAM			6.75	
	50 MHz		PI/2 BPSK	128		4.76	
			QPSK			5.69	
			16-QAM			6.35	
			64-QAM			6.47	
			256-QAM			6.74	

Band	Band Width	Frequen cy (MHz)	Modulatio n	Resour ce Block Size	Resourc e Block Offset	Data (dB)	Limit (dB)
Sub6 n41	60 MHz	2592.990	PI/2 BPSK	162	0	5.97	13.00
			QPSK			6.15	
			16-QAM			6.59	
			64-QAM			6.66	
			256-QAM			6.74	
	70 MHz		PI/2 BPSK	180		4.52	
			QPSK			5.66	
			16-QAM			6.38	
			64-QAM			6.58	
			256-QAM			6.69	
	80 MHz		PI/2 BPSK	216		4.67	
			QPSK			5.54	
			16-QAM			6.41	
			64-QAM			6.48	
			256-QAM			6.76	
	90 MHz		PI/2 BPSK	243		4.65	
			QPSK			5.56	
			16-QAM			6.41	
			64-QAM			6.62	
			256-QAM			6.57	
	100 MHz		PI/2 BPSK	270		4.31	
			QPSK			5.56	
			16-QAM			6.38	
			64-QAM			6.56	
			256-QAM			6.79	

Note:

1. Plots of the EUT's Peak- to- Average Ratio are shown Page 69 ~ 123.
2. P.A.P.R is not required. These values are reported for information only.

8.4 OCCUPIED BANDWIDTH

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (MHz)
Sub6 n41	10 MHz	2592.990	PI/2 BPSK	24	0	8.7248
			QPSK			8.7036
			16-QAM			8.6433
			64-QAM			8.7448
			256-QAM			8.6442
	15 MHz		PI/2 BPSK	36		12.928
			QPSK			12.933
			16-QAM			12.993
			64-QAM			12.902
			256-QAM			12.949
	20 MHz		PI/2 BPSK	50		17.954
			QPSK			18.023
			16-QAM			17.994
			64-QAM			17.958
			256-QAM			17.995
	30 MHz		PI/2 BPSK	75		26.930
			QPSK			26.959
			16-QAM			26.950
			64-QAM			26.920
			256-QAM			26.925
	40 MHz		PI/2 BPSK	100		35.956
			QPSK			35.990
			16-QAM			35.897
			64-QAM			35.975
			256-QAM			35.832
	50 MHz		PI/2 BPSK	128		45.954
			QPSK			46.054
			16-QAM			45.789
			64-QAM			45.954
			256-QAM			45.717

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (MHz)
Sub6 n41	60 MHz	2592.990	PI/2 BPSK	162	0	58.036
			QPSK			57.935
			16-QAM			58.313
			64-QAM			58.175
			256-QAM			58.322
	70 MHz		PI/2 BPSK	180		64.578
			QPSK			64.542
			16-QAM			64.172
			64-QAM			64.638
			256-QAM			64.327
	80 MHz		PI/2 BPSK	216		77.287
			QPSK			77.389
			16-QAM			77.545
			64-QAM			77.518
			256-QAM			77.530
	90 MHz		PI/2 BPSK	243		87.114
			QPSK			87.108
			16-QAM			87.108
			64-QAM			86.811
			256-QAM			86.976
	100 MHz		PI/2 BPSK	270		96.600
			QPSK			96.480
			16-QAM			96.245
			64-QAM			96.555
			256-QAM			96.946

Note:

1. Plots of the EUT's Occupied Bandwidth are shown Page 124 ~ 178.

8.5 CONDUCTED SPURIOUS EMISSIONS

Band	Band Width (MHz)	Frequency (MHz)	Frequency of Maximum Harmonic (GHz)	Factor (dB)	Measurement Maximum Data (dBm)	Result (dBm)	Limit (dBm)
Sub6 n41	10	2501.010	9.1526	29.116	-63.347	-34.231	-25.00
		2505.000	4.0579	28.533	-63.051	-34.518	
		2592.990	3.9981	28.533	-62.852	-34.319	
		2685.000	4.0778	28.533	-63.380	-34.847	
	15	2503.500	4.0679	28.533	-62.920	-34.387	
		2507.520	4.5863	28.533	-61.913	-33.380	
		2592.990	4.0080	28.533	-61.434	-32.901	
		2682.480	4.9851	28.533	-63.528	-34.995	
	20	2506.020	4.0180	28.533	-62.119	-33.586	
		2510.010	9.6511	29.116	-62.243	-33.127	
		2592.990	4.0280	28.533	-63.632	-35.099	
		2679.990	5.2244	29.116	-62.820	-33.704	
	30	2511.000	3.8286	28.533	-63.007	-34.474	
		2515.000	3.8286	28.533	-63.129	-34.596	
		2592.990	4.0679	28.533	-62.060	-33.527	
		2674.980	8.2353	29.116	-62.605	-33.489	
	40	2516.010	4.0280	28.533	-63.624	-35.091	
		2520.000	9.7009	29.116	-63.697	-34.581	
		2592.990	4.0379	28.533	-63.477	-34.944	
		2670.000	3.7987	28.533	-64.052	-35.519	
	50	2521.020	4.8954	28.533	-63.562	-35.029	
		2525.010	5.4138	29.116	-63.286	-34.170	
		2592.990	3.7787	28.533	-62.452	-33.919	
		2664.990	4.5564	28.533	-63.346	-34.813	
	60	2526.000	4.0280	28.533	-63.692	-35.159	
		2530.020	9.7208	29.116	-63.081	-33.965	
		2592.990	8.9332	29.116	-63.572	-34.456	
		2659.980	3.8186	28.533	-62.950	-34.417	
	70	2531.010	4.0180	28.533	-62.066	-33.533	
		2535.000	4.9552	28.533	-63.370	-34.837	
		2592.990	8.3051	29.116	-64.092	-34.976	
		2655.000	3.9881	28.533	-63.062	-34.529	
	80	2536.020	4.0679	28.533	-63.271	-34.738	
		2540.010	9.9900	29.116	-62.445	-33.329	
		2592.990	6.0419	29.116	-62.656	-33.540	
		2649.990	3.7787	28.533	-62.827	-34.294	
	90	2541.000	6.8794	29.116	-63.988	-34.872	
		2545.020	9.4018	29.116	-63.164	-34.048	
		2592.990	4.0679	28.533	-63.199	-34.666	
		2644.980	3.7787	28.533	-63.368	-34.835	
	100	2546.010	3.1506	28.533	-63.055	-34.522	
		2550.000	9.9801	29.116	-63.521	-34.405	
		2592.990	4.0280	28.533	-63.459	-34.926	
		2640.000	3.3002	28.533	-63.234	-34.701	

Note:

1. Plots of the EUT's Conducted Spurious Emissions are shown Page 179 ~ 266.
2. Result (dBm) = Measurement Maximum Data (dBm) + Factor (dB)
3. Factor(dB) = Cable Loss + Ext. Attenuator + Power Splitter

Frequency Range (GHz)	Factor [dB]
0.03 – 1	27.012
1 – 5	28.533
5 – 10	29.116
10 – 15	30.025
15 – 20	31.052
Above 20	31.613

8.6 CHANNEL EDGE

Band Width	Frequency (MHz)	Modulation	RB Size	2 495 MHz ~ 2 496 MHz	C.E ~ (C.E +1MHz)	2 490.5 MHz ~ 2 495 MHz	(C.E + 1 MHz) ~ (C.E + 5 MHz)	Below 2 490.5 MHz	(C.E + 5 MHz) ~ (C.E + X MHz)	Above (C.E + X MHz)
				Lower	Upper	Lower	Upper	Lower	Upper	Upper
10 MHz	2501.010	BPSK	Full RB	-23.11	-20.89	-25.81	-24.48	-31.56	-30.86	-42.28
15 MHz	2503.500	BPSK	Full RB	-23.63	-31.51	-27.24	-30.61	-29.67	-30.81	-43.74
20 MHz	2506.020	BPSK	Full RB	-23.16	-27.47	-28.48	-32.08	-30.69	-32.12	-46.73
30 MHz	2511.000	BPSK	Full RB	-26.25	-33.73	-30.01	-33.40	-31.71	-33.93	-41.34
40 MHz	2516.010	BPSK	Full RB	-24.42	-35.39	-31.33	-35.02	-33.41	-35.05	-43.72
50 MHz	2521.020	BPSK	Full RB	-22.44	-33.99	-28.74	-37.01	-37.75	-37.73	-39.92
60 MHz	2526.000	BPSK	Full RB	-16.82	-18.45	-25.71	-26.66	-34.42	-36.08	-40.32
70 MHz	2531.010	BPSK	Full RB	-21.41	-32.81	-26.19	-35.05	-35.59	-35.72	-40.98
80 MHz	2536.020	BPSK	Full RB	-22.26	-26.38	-27.96	-30.02	-34.50	-35.38	-42.45
90 MHz	2541.000	BPSK	Full RB	-19.80	-24.37	-25.99	-27.81	-33.70	-34.62	-43.91
100 MHz	2546.010	BPSK	Full RB	-21.01	-27.88	-29.77	-30.82	-34.75	-34.13	-44.34
Limit (dBm)				-13.0	-10.0	-13.0	-10.0	-25.0	-13.0	-25.0

Band Width	Frequency (MHz)	Modulation	RB Size	2 495 MHz ~ 2 496 MHz	C.E ~ (C.E +1MHz)	2 490.5 MHz ~ 2 495 MHz	(C.E + 1 MHz) ~ (C.E + 5 MHz)	Below 2 490.5 MHz	(C.E + 5 MHz) ~ (C.E + X MHz)	Above (C.E + X MHz)
				Lower	Upper	Lower	Upper	Lower	Upper	Upper
10 MHz	2505.000	BPSK	Full RB	-22.32	-22.73	-29.30	-26.79	-42.21	-31.32	-42.33
15 MHz	2507.520	BPSK	Full RB	-23.17	-30.10	-30.15	-31.74	-35.51	-31.84	-43.63
20 MHz	2510.010	BPSK	Full RB	-22.51	-28.54	-30.54	-31.26	-31.84	-32.70	-46.20
30 MHz	2515.020	BPSK	Full RB	-23.05	-35.02	-33.63	-34.98	-32.68	-34.68	-41.75
40 MHz	2520.000	BPSK	Full RB	-24.05	-35.64	-33.49	-35.81	-33.06	-35.34	-42.96
50 MHz	2525.010	BPSK	Full RB	-21.04	-34.63	-35.56	-37.22	-35.96	-37.25	-39.32
60 MHz	2530.020	BPSK	Full RB	-16.94	-18.34	-32.81	-25.86	-38.17	-35.49	-40.30
70 MHz	2535.000	BPSK	Full RB	-22.49	-32.72	-34.22	-34.53	-37.31	-35.57	-40.80
80 MHz	2540.010	BPSK	Full RB	-20.05	-25.13	-33.19	-29.08	-36.69	-34.97	-42.69
90 MHz	2545.020	BPSK	Full RB	-21.33	-25.15	-34.61	-28.63	-35.71	-33.95	-40.80
100 MHz	2550.000	BPSK	Full RB	-19.99	-26.79	-33.27	-30.12	-35.65	-35.06	-44.84
Limit (dBm)				-13.0	-10.0	-13.0	-10.0	-25.0	-13.0	-25.0

Band Width	Frequency (MHz)	Modulation	RB Size	RB 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	-18.87	-22.48	-23.57	-25.92
	2685.000	BPSK	Full RB	0	-22.12	-23.30	-24.98	-25.79
15 MHz	2592.990	BPSK	Full RB	0	-20.51	-30.74	-25.25	-30.07
	2682.480	BPSK	Full RB	0	-20.26	-30.21	-24.93	-29.46
20 MHz	2592.990	BPSK	Full RB	0	-23.12	-27.77	-27.68	-30.40
	2679.990	BPSK	Full RB	0	-23.28	-28.51	-26.93	-29.54
30 MHz	2592.990	BPSK	Full RB	0	-23.99	-33.58	-29.53	-33.31
	2679.990	BPSK	Full RB	0	-24.89	-32.06	-28.30	-30.64
40 MHz	2592.990	BPSK	Full RB	0	-23.38	-33.71	-29.71	-33.59
	2670.000	BPSK	Full RB	0	-23.77	-33.42	-29.58	-33.16
50 MHz	2592.990	BPSK	Full RB	0	-22.41	-31.47	-28.98	-34.99
	2664.990	BPSK	Full RB	0	-20.66	-32.57	-27.17	-33.46
60 MHz	2592.990	BPSK	Full RB	0	-17.96	-17.82	-27.33	-25.51
	2659.980	BPSK	Full RB	0	-14.98	-20.98	-22.75	-28.62
70 MHz	2592.990	BPSK	Full RB	0	-22.19	-32.26	-27.05	-34.34
	2655.000	BPSK	Full RB	0	-20.72	-34.29	-25.53	-35.76
80 MHz	2592.990	BPSK	Full RB	0	-21.49	-25.83	-27.05	-29.77
	2649.990	BPSK	Full RB	0	-21.11	-26.39	-26.71	-30.11
90 MHz	2592.990	BPSK	Full RB	0	-22.40	-23.85	-29.27	-27.64
	2644.980	BPSK	Full RB	0	-20.77	-28.51	-27.41	-31.57
100 MHz	2592.990	BPSK	Full RB	0	-20.06	-29.00	-28.78	-31.35
	2640.000	BPSK	Full RB	0	-17.06	-30.12	-26.69	-33.22
Limit (dBm)					-10.0		-10.0	

Band Width	Frequency (MHz)	Modulation	RB Size	RB 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	-30.31	-30.75	-42.73	-42.80
	2685.000	BPSK	Full RB	0	-30.18	-30.65	-42.31	-42.79
15 MHz	2592.990	BPSK	Full RB	0	-28.42	-30.13	-42.26	-43.58
	2682.480	BPSK	Full RB	0	-29.30	-29.47	-43.57	-45.60
20 MHz	2592.990	BPSK	Full RB	0	-29.01	-30.53	-44.81	-45.83
	2679.990	BPSK	Full RB	0	-28.77	-29.53	-40.49	-43.40
30 MHz	2592.990	BPSK	Full RB	0	-30.72	-32.96	-41.79	-43.48
	2679.990	BPSK	Full RB	0	-30.76	-31.63	-40.29	-47.53
40 MHz	2592.990	BPSK	Full RB	0	-32.17	-33.96	-45.23	-44.83
	2670.000	BPSK	Full RB	0	-33.57	-33.66	-45.73	-55.17
50 MHz	2592.990	BPSK	Full RB	0	-33.90	-36.86	-41.72	-42.60
	2664.990	BPSK	Full RB	0	-32.29	-36.40	-42.30	-55.27
60 MHz	2592.990	BPSK	Full RB	0	-34.01	-34.70	-40.47	-41.48
	2659.980	BPSK	Full RB	0	-31.98	-35.19	-43.53	-55.20
70 MHz	2592.990	BPSK	Full RB	0	-33.97	-36.78	-44.34	-45.76
	2655.000	BPSK	Full RB	0	-34.04	-38.73	-45.08	-55.14
80 MHz	2592.990	BPSK	Full RB	0	-33.64	-34.63	-49.66	-47.71
	2649.990	BPSK	Full RB	0	-32.33	-34.48	-45.15	-55.16
90 MHz	2592.990	BPSK	Full RB	0	-33.89	-35.69	-55.38	-54.96
	2644.980	BPSK	Full RB	0	-33.99	-36.98	-47.10	-55.17
100 MHz	2592.990	BPSK	Full RB	0	-34.44	-35.85	-55.27	-55.19
	2640.000	BPSK	Full RB	0	-33.07	-36.51	-47.83	-55.18
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 267 ~ 387. (1RB & Full RB)

8.7 FREQUENCY STABILITY / VARIATION OF AMBIENT TEMPERATURE

BandWidth:	10 MHz
Voltage(100 %):	3.900 VDC
Batt. Endpoint:	3.400 VDC
LIMIT:	Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2501.010	100 %	+20(Ref)	2501 010 007	0.0	0.000 000	0.000
	100 %	-30	2501 010 005	-1.5	0.000 000	-0.001
	100 %	-20	2501 010 001	-6.0	0.000 000	-0.002
	100 %	-10	2501 010 008	0.5	0.000 000	0.000
	100 %	0	2501 010 002	-5.3	0.000 000	-0.002
	100 %	+10	2501 010 005	-1.5	0.000 000	-0.001
	100 %	+30	2501 010 012	4.6	0.000 000	0.002
	100 %	+40	2501 010 004	-3.4	0.000 000	-0.001
	100 %	+50	2501 010 005	-2.4	0.000 000	-0.001
	Batt. Endpoint	+20	2501 010 008	1.4	0.000 000	0.001
2505.000	100 %	+20(Ref)	2505 000 000	0.0	0.000 000	0.000
	100 %	-30	2504 999 998	-2.2	0.000 000	-0.001
	100 %	-20	2505 000 002	2.4	0.000 000	0.001
	100 %	-10	2504 999 999	-1.3	0.000 000	-0.001
	100 %	0	2504 999 998	-2.4	0.000 000	-0.001
	100 %	+10	2505 000 002	2.2	0.000 000	0.001
	100 %	+30	2504 999 999	-1.4	0.000 000	-0.001
	100 %	+40	2505 000 002	1.9	0.000 000	0.001
	100 %	+50	2505 000 002	1.9	0.000 000	0.001
	Batt. Endpoint	+20	2504 999 996	-4.4	0.000 000	-0.002
2685.000	100 %	+20(Ref)	2685 000 002	0.0	0.000 000	0.000
	100 %	-30	2684 999 999	-3.2	0.000 000	-0.001
	100 %	-20	2685 000 001	-1.1	0.000 000	0.000
	100 %	-10	2684 999 999	-2.8	0.000 000	-0.001
	100 %	0	2685 000 001	-0.5	0.000 000	0.000
	100 %	+10	2684 999 997	-5.3	0.000 000	-0.002
	100 %	+30	2684 999 995	-6.9	0.000 000	-0.003
	100 %	+40	2685 000 001	-1.2	0.000 000	0.000
	100 %	+50	2685 000 002	0.2	0.000 000	0.000
	Batt. Endpoint	+20	2684 999 999	-2.6	0.000 000	-0.001

BandWidth:	15 MHz
Voltage(100 %):	3.900 VDC
Batt. Endpoint:	3.400 VDC
LIMIT:	Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2503.500	100 %	+20(Ref)	2503 500 002	0.0	0.000 000	0.000
	100 %	-30	2503 500 003	1.4	0.000 000	0.001
	100 %	-20	2503 500 003	1.1	0.000 000	0.000
	100 %	-10	2503 500 003	1.2	0.000 000	0.000
	100 %	0	2503 500 003	1.5	0.000 000	0.001
	100 %	+10	2503 499 997	-4.1	0.000 000	-0.002
	100 %	+30	2503 500 000	-1.7	0.000 000	-0.001
	100 %	+40	2503 499 999	-2.7	0.000 000	-0.001
	100 %	+50	2503 499 999	-2.3	0.000 000	-0.001
	Batt. Endpoint	+20	2503 500 001	-0.8	0.000 000	0.000
2507.520	100 %	+20(Ref)	2507 520 000	0.0	0.000 000	0.000
	100 %	-30	2507 520 002	2.4	0.000 000	0.001
	100 %	-20	2507 520 000	-0.1	0.000 000	0.000
	100 %	-10	2507 519 994	-5.6	0.000 000	-0.002
	100 %	0	2507 519 998	-2.2	0.000 000	-0.001
	100 %	+10	2507 519 997	-2.8	0.000 000	-0.001
	100 %	+30	2507 520 001	1.3	0.000 000	0.000
	100 %	+40	2507 519 996	-3.4	0.000 000	-0.001
	100 %	+50	2507 519 994	-5.5	0.000 000	-0.002
	Batt. Endpoint	+20	2507 519 997	-2.4	0.000 000	-0.001
2682.480	100 %	+20(Ref)	2682 480 002	0.0	0.000 000	0.000
	100 %	-30	2682 480 004	1.7	0.000 000	0.001
	100 %	-20	2682 479 998	-4.2	0.000 000	-0.002
	100 %	-10	2682 479 997	-4.6	0.000 000	-0.002
	100 %	0	2682 479 997	-5.5	0.000 000	-0.002
	100 %	+10	2682 480 001	-1.0	0.000 000	0.000
	100 %	+30	2682 480 003	1.4	0.000 000	0.001
	100 %	+40	2682 479 999	-3.0	0.000 000	-0.001
	100 %	+50	2682 480 000	-2.4	0.000 000	-0.001
	Batt. Endpoint	+20	2682 479 997	-4.9	0.000 000	-0.002

- ▣ BandWidth: 20 MHz
- ▣ Voltage(100 %): 3.900 VDC
- ▣ Batt. Endpoint: 3.400 VDC
- ▣ LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2506.020	100 %	+20(Ref)	2506 019 997	0.0	0.000 000	0.000
	100 %	-30	2506 019 994	-2.6	0.000 000	-0.001
	100 %	-20	2506 019 995	-2.0	0.000 000	-0.001
	100 %	-10	2506 020 002	5.0	0.000 000	0.002
	100 %	0	2506 019 999	1.7	0.000 000	0.001
	100 %	+10	2506 019 996	-0.7	0.000 000	0.000
	100 %	+30	2506 019 997	-0.2	0.000 000	0.000
	100 %	+40	2506 020 001	3.5	0.000 000	0.001
	100 %	+50	2506 019 998	1.3	0.000 000	0.001
	Batt. Endpoint	+20	2506 019 999	2.1	0.000 000	0.001
2510.010	100 %	+20(Ref)	2510 009 996	0.0	0.000 000	0.000
	100 %	-30	2510 009 987	-8.6	0.000 000	-0.003
	100 %	-20	2510 009 983	-12.3	0.000 000	-0.005
	100 %	-10	2510 009 989	-6.4	0.000 000	-0.003
	100 %	0	2510 009 994	-1.4	0.000 000	-0.001
	100 %	+10	2510 009 990	-5.8	0.000 000	-0.002
	100 %	+30	2510 009 985	-10.7	0.000 000	-0.004
	100 %	+40	2510 009 989	-6.7	0.000 000	-0.003
	100 %	+50	2510 009 995	-0.3	0.000 000	0.000
	Batt. Endpoint	+20	2510 009 992	-4.1	0.000 000	-0.002
2679.990	100 %	+20(Ref)	2679 990 003	0.0	0.000 000	0.000
	100 %	-30	2679 989 998	-4.9	0.000 000	-0.002
	100 %	-20	2679 990 004	1.5	0.000 000	0.001
	100 %	-10	2679 990 000	-3.0	0.000 000	-0.001
	100 %	0	2679 989 995	-7.7	0.000 000	-0.003
	100 %	+10	2679 990 002	-1.2	0.000 000	0.000
	100 %	+30	2679 990 002	-1.3	0.000 000	0.000
	100 %	+40	2679 989 999	-4.2	0.000 000	-0.002
	100 %	+50	2679 989 995	-8.1	0.000 000	-0.003
	Batt. Endpoint	+20	2679 989 997	-5.9	0.000 000	-0.002

- ▣ BandWidth: 30 MHz
- ▣ Voltage(100 %): 3.900 VDC
- ▣ Batt. Endpoint: 3.400 VDC
- ▣ LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2511.000	100 %	+20(Ref)	2511 000 000	0.0	0.000 000	0.000
	100 %	-30	2510 999 997	-2.7	0.000 000	-0.001
	100 %	-20	2511 000 002	2.1	0.000 000	0.001
	100 %	-10	2510 999 998	-2.4	0.000 000	-0.001
	100 %	0	2511 000 002	1.8	0.000 000	0.001
	100 %	+10	2510 999 999	-1.1	0.000 000	0.000
	100 %	+30	2511 000 000	0.1	0.000 000	0.000
	100 %	+40	2511 000 000	-0.4	0.000 000	0.000
	100 %	+50	2510 999 999	-1.3	0.000 000	-0.001
	Batt. Endpoint	+20	2510 999 996	-4.2	0.000 000	-0.002
2515.020	100 %	+20(Ref)	2515 020 002	0.0	0.000 000	0.000
	100 %	-30	2515 020 000	-1.8	0.000 000	-0.001
	100 %	-20	2515 020 000	-2.2	0.000 000	-0.001
	100 %	-10	2515 020 004	1.8	0.000 000	0.001
	100 %	0	2515 019 999	-2.9	0.000 000	-0.001
	100 %	+10	2515 020 002	0.0	0.000 000	0.000
	100 %	+30	2515 020 002	-0.2	0.000 000	0.000
	100 %	+40	2515 020 001	-1.1	0.000 000	0.000
	100 %	+50	2515 020 003	1.2	0.000 000	0.000
	Batt. Endpoint	+20	2515 019 999	-2.5	0.000 000	-0.001
2674.980	100 %	+20(Ref)	2674 979 994	0.0	0.000 000	0.000
	100 %	-30	2674 979 997	2.7	0.000 000	0.001
	100 %	-20	2674 979 993	-1.0	0.000 000	0.000
	100 %	-10	2674 979 993	-1.2	0.000 000	0.000
	100 %	0	2674 979 994	-0.6	0.000 000	0.000
	100 %	+10	2674 979 996	1.8	0.000 000	0.001
	100 %	+30	2674 979 996	2.0	0.000 000	0.001
	100 %	+40	2674 979 989	-5.0	0.000 000	-0.002
	100 %	+50	2674 979 994	-0.5	0.000 000	0.000
	Batt. Endpoint	+20	2674 979 995	1.0	0.000 000	0.000

- ▣ BandWidth: 40 MHz
- ▣ Voltage(100 %): 3.900 VDC
- ▣ Batt. Endpoint: 3.400 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 009 994	0.0	0.000 000	0.000
	100 %	-30	2516 009 995	0.7	0.000 000	0.000
	100 %	-20	2516 009 990	-4.0	0.000 000	-0.002
	100 %	-10	2516 009 991	-3.0	0.000 000	-0.001
	100 %	0	2516 009 993	-1.4	0.000 000	-0.001
	100 %	+10	2516 009 992	-2.1	0.000 000	-0.001
	100 %	+30	2516 009 990	-4.5	0.000 000	-0.002
	100 %	+40	2516 009 990	-4.7	0.000 000	-0.002
	100 %	+50	2516 009 994	-0.8	0.000 000	0.000
	Batt. Endpoint	+20	2516 009 994	-0.4	0.000 000	0.000
2520.000	100 %	+20(Ref)	2519 999 998	0.0	0.000 000	0.000
	100 %	-30	2519 999 994	-3.8	0.000 000	-0.001
	100 %	-20	2519 999 998	-0.6	0.000 000	0.000
	100 %	-10	2519 999 992	-6.1	0.000 000	-0.002
	100 %	0	2519 999 995	-3.2	0.000 000	-0.001
	100 %	+10	2520 000 000	1.7	0.000 000	0.001
	100 %	+30	2519 999 997	-1.3	0.000 000	-0.001
	100 %	+40	2519 999 999	1.2	0.000 000	0.000
	100 %	+50	2519 999 999	0.5	0.000 000	0.000
	Batt. Endpoint	+20	2519 999 998	0.1	0.000 000	0.000
2670.000	100 %	+20(Ref)	2670 000 001	0.0	0.000 000	0.000
	100 %	-30	2669 999 995	-5.7	0.000 000	-0.002
	100 %	-20	2669 999 999	-2.3	0.000 000	-0.001
	100 %	-10	2669 999 997	-3.7	0.000 000	-0.001
	100 %	0	2669 999 998	-2.7	0.000 000	-0.001
	100 %	+10	2669 999 999	-1.7	0.000 000	-0.001
	100 %	+30	2669 999 996	-5.1	0.000 000	-0.002
	100 %	+40	2670 000 002	1.1	0.000 000	0.000
	100 %	+50	2670 000 001	0.3	0.000 000	0.000
	Batt. Endpoint	+20	2670 000 004	3.5	0.000 000	0.001

BandWidth:	50 MHz
Voltage(100 %):	3.900 VDC
Batt. Endpoint:	3.400 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 019 998	0.0	0.000 000	0.000
	100 %	-30	2521 019 997	-1.5	0.000 000	-0.001
	100 %	-20	2521 020 000	2.0	0.000 000	0.001
	100 %	-10	2521 019 994	-4.3	0.000 000	-0.002
	100 %	0	2521 019 999	0.9	0.000 000	0.000
	100 %	+10	2521 019 999	0.4	0.000 000	0.000
	100 %	+30	2521 019 997	-1.6	0.000 000	-0.001
	100 %	+40	2521 019 999	0.6	0.000 000	0.000
	100 %	+50	2521 019 993	-5.0	0.000 000	-0.002
	Batt. Endpoint	+20	2521 019 998	0.2	0.000 000	0.000
2525.010	100 %	+20(Ref)	2525 010 002	0.0	0.000 000	0.000
	100 %	-30	2525 010 000	-1.5	0.000 000	-0.001
	100 %	-20	2525 010 005	2.8	0.000 000	0.001
	100 %	-10	2525 010 002	0.5	0.000 000	0.000
	100 %	0	2525 010 003	1.3	0.000 000	0.001
	100 %	+10	2525 010 004	2.3	0.000 000	0.001
	100 %	+30	2525 010 000	-1.5	0.000 000	-0.001
	100 %	+40	2525 010 004	2.5	0.000 000	0.001
	100 %	+50	2525 009 999	-3.3	0.000 000	-0.001
	Batt. Endpoint	+20	2525 010 003	0.8	0.000 000	0.000
2664.990	100 %	+20(Ref)	2664 989 998	0.0	0.000 000	0.000
	100 %	-30	2664 989 996	-1.8	0.000 000	-0.001
	100 %	-20	2664 989 993	-4.6	0.000 000	-0.002
	100 %	-10	2664 989 994	-3.9	0.000 000	-0.001
	100 %	0	2664 989 996	-1.8	0.000 000	-0.001
	100 %	+10	2664 990 001	3.1	0.000 000	0.001
	100 %	+30	2664 989 997	-0.9	0.000 000	0.000
	100 %	+40	2664 989 999	1.3	0.000 000	0.000
	100 %	+50	2664 989 995	-3.0	0.000 000	-0.001
	Batt. Endpoint	+20	2664 989 994	-3.5	0.000 000	-0.001

- ▣ BandWidth: 60 MHz
- ▣ Voltage(100 %): 3.900 VDC
- ▣ Batt. Endpoint: 3.400 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 000 004	0.0	0.000 000	0.000
	100 %	-30	2526 000 006	1.7	0.000 000	0.001
	100 %	-20	2526 000 005	0.6	0.000 000	0.000
	100 %	-10	2526 000 009	5.0	0.000 000	0.002
	100 %	0	2526 000 008	3.8	0.000 000	0.001
	100 %	+10	2526 000 003	-1.2	0.000 000	0.000
	100 %	+30	2526 000 008	3.4	0.000 000	0.001
	100 %	+40	2526 000 012	8.0	0.000 000	0.003
	100 %	+50	2526 000 006	1.8	0.000 000	0.001
	Batt. Endpoint	+20	2526 000 007	2.2	0.000 000	0.001
2530.020	100 %	+20(Ref)	2530 020 004	0.0	0.000 000	0.000
	100 %	-30	2530 020 003	-0.7	0.000 000	0.000
	100 %	-20	2530 020 002	-1.7	0.000 000	-0.001
	100 %	-10	2530 020 004	0.5	0.000 000	0.000
	100 %	0	2530 020 004	0.3	0.000 000	0.000
	100 %	+10	2530 020 002	-1.5	0.000 000	-0.001
	100 %	+30	2530 020 001	-2.2	0.000 000	-0.001
	100 %	+40	2530 020 004	0.8	0.000 000	0.000
	100 %	+50	2530 019 999	-4.3	0.000 000	-0.002
	Batt. Endpoint	+20	2530 020 003	-0.7	0.000 000	0.000
2659.980	100 %	+20(Ref)	2659 979 998	0.0	0.000 000	0.000
	100 %	-30	2659 979 999	1.3	0.000 000	0.000
	100 %	-20	2659 979 995	-2.8	0.000 000	-0.001
	100 %	-10	2659 979 998	-0.3	0.000 000	0.000
	100 %	0	2659 979 999	1.1	0.000 000	0.000
	100 %	+10	2659 979 999	0.6	0.000 000	0.000
	100 %	+30	2659 979 996	-1.5	0.000 000	-0.001
	100 %	+40	2659 979 998	-0.1	0.000 000	0.000
	100 %	+50	2659 979 999	1.3	0.000 000	0.000
	Batt. Endpoint	+20	2659 980 001	3.0	0.000 000	0.001

- ▣ BandWidth: 70 MHz
- ▣ Voltage(100 %): 3.900 VDC
- ▣ Batt. Endpoint: 3.400 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 009 997	0.0	0.000 000	0.000
	100 %	-30	2531 009 991	-6.2	0.000 000	-0.002
	100 %	-20	2531 009 997	-0.2	0.000 000	0.000
	100 %	-10	2531 009 997	-0.2	0.000 000	0.000
	100 %	0	2531 009 998	1.2	0.000 000	0.000
	100 %	+10	2531 010 002	4.3	0.000 000	0.002
	100 %	+30	2531 009 994	-2.9	0.000 000	-0.001
	100 %	+40	2531 010 000	2.7	0.000 000	0.001
	100 %	+50	2531 009 993	-4.6	0.000 000	-0.002
	Batt. Endpoint	+20	2531 009 996	-1.4	0.000 000	-0.001
2535.000	100 %	+20(Ref)	2535 000 008	0.0	0.000 000	0.000
	100 %	-30	2535 000 013	5.7	0.000 000	0.002
	100 %	-20	2535 000 009	1.2	0.000 000	0.000
	100 %	-10	2535 000 014	6.0	0.000 000	0.002
	100 %	0	2535 000 016	8.8	0.000 000	0.003
	100 %	+10	2535 000 013	5.9	0.000 000	0.002
	100 %	+30	2535 000 012	4.6	0.000 000	0.002
	100 %	+40	2535 000 013	5.6	0.000 000	0.002
	100 %	+50	2535 000 014	6.6	0.000 000	0.003
	Batt. Endpoint	+20	2535 000 007	-0.7	0.000 000	0.000
2655.000	100 %	+20(Ref)	2654 999 998	0.0	0.000 000	0.000
	100 %	-30	2654 999 996	-2.2	0.000 000	-0.001
	100 %	-20	2654 999 998	-0.2	0.000 000	0.000
	100 %	-10	2654 999 993	-4.8	0.000 000	-0.002
	100 %	0	2654 999 997	-0.9	0.000 000	0.000
	100 %	+10	2654 999 996	-2.5	0.000 000	-0.001
	100 %	+30	2654 999 998	-0.4	0.000 000	0.000
	100 %	+40	2654 999 995	-3.4	0.000 000	-0.001
	100 %	+50	2654 999 999	1.0	0.000 000	0.000
	Batt. Endpoint	+20	2654 999 995	-2.7	0.000 000	-0.001

▣ BandWidth:	<u>80 MHz</u>
▣ Voltage(100 %):	<u>3.900 VDC</u>
▣ Batt. Endpoint:	<u>3.400 VDC</u>
▣ LIMIT:	<u>Emission must remain in band</u>

Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2536.020	100 %	+20(Ref)	2536 020 000	0.0	0.000 000	0.000
	100 %	-30	2536 020 000	-0.8	0.000 000	0.000
	100 %	-20	2536 020 000	-0.4	0.000 000	0.000
	100 %	-10	2536 020 000	-0.9	0.000 000	0.000
	100 %	0	2536 019 997	-3.9	0.000 000	-0.002
	100 %	+10	2536 019 996	-4.3	0.000 000	-0.002
	100 %	+30	2536 019 996	-4.3	0.000 000	-0.002
	100 %	+40	2536 019 996	-4.1	0.000 000	-0.002
	100 %	+50	2536 019 996	-4.6	0.000 000	-0.002
	Batt. Endpoint	+20	2536 020 001	0.3	0.000 000	0.000
2540.010	100 %	+20(Ref)	2540 009 997	0.0	0.000 000	0.000
	100 %	-30	2540 009 995	-2.2	0.000 000	-0.001
	100 %	-20	2540 009 996	-0.8	0.000 000	0.000
	100 %	-10	2540 009 994	-2.6	0.000 000	-0.001
	100 %	0	2540 009 997	0.0	0.000 000	0.000
	100 %	+10	2540 009 994	-2.7	0.000 000	-0.001
	100 %	+30	2540 009 995	-1.5	0.000 000	-0.001
	100 %	+40	2540 009 997	-0.3	0.000 000	0.000
	100 %	+50	2540 009 996	-1.0	0.000 000	0.000
	Batt. Endpoint	+20	2540 009 995	-1.9	0.000 000	-0.001
2649.990	100 %	+20(Ref)	2649 989 994	0.0	0.000 000	0.000
	100 %	-30	2649 989 999	5.1	0.000 000	0.002
	100 %	-20	2649 989 998	3.8	0.000 000	0.001
	100 %	-10	2649 989 996	2.0	0.000 000	0.001
	100 %	0	2649 989 996	1.7	0.000 000	0.001
	100 %	+10	2649 989 994	-0.2	0.000 000	0.000
	100 %	+30	2649 989 993	-1.1	0.000 000	0.000
	100 %	+40	2649 989 994	0.5	0.000 000	0.000
	100 %	+50	2649 989 998	4.5	0.000 000	0.002
	Batt. Endpoint	+20	2649 989 999	5.4	0.000 000	0.002

BandWidth:	90 MHz
Voltage(100 %):	3.900 VDC
Batt. Endpoint:	3.400 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 999 999	0.0	0.000 000	0.000
	100 %	-30	2540 999 995	-4.2	0.000 000	-0.002
	100 %	-20	2540 999 991	-8.8	0.000 000	-0.003
	100 %	-10	2540 999 997	-2.2	0.000 000	-0.001
	100 %	0	2540 999 997	-1.9	0.000 000	-0.001
	100 %	+10	2540 999 997	-1.9	0.000 000	-0.001
	100 %	+30	2541 000 001	1.4	0.000 000	0.001
	100 %	+40	2540 999 996	-3.3	0.000 000	-0.001
	100 %	+50	2540 999 999	-0.6	0.000 000	0.000
	Batt. Endpoint	+20	2541 000 000	0.4	0.000 000	0.000
2545.020	100 %	+20(Ref)	2545 020 001	0.0	0.000 000	0.000
	100 %	-30	2545 019 999	-1.4	0.000 000	-0.001
	100 %	-20	2545 019 999	-1.7	0.000 000	-0.001
	100 %	-10	2545 019 999	-1.3	0.000 000	-0.001
	100 %	0	2545 020 000	-0.2	0.000 000	0.000
	100 %	+10	2545 020 000	-0.9	0.000 000	0.000
	100 %	+30	2545 020 001	0.4	0.000 000	0.000
	100 %	+40	2545 020 000	-1.1	0.000 000	0.000
	100 %	+50	2545 020 000	-1.1	0.000 000	0.000
	Batt. Endpoint	+20	2545 020 002	1.2	0.000 000	0.000
2644.980	100 %	+20(Ref)	2644 980 002	0.0	0.000 000	0.000
	100 %	-30	2644 980 000	-1.5	0.000 000	-0.001
	100 %	-20	2644 979 999	-2.3	0.000 000	-0.001
	100 %	-10	2644 979 997	-5.0	0.000 000	-0.002
	100 %	0	2644 980 012	10.5	0.000 000	0.004
	100 %	+10	2644 980 008	6.0	0.000 000	0.002
	100 %	+30	2644 980 008	6.0	0.000 000	0.002
	100 %	+40	2644 980 007	5.5	0.000 000	0.002
	100 %	+50	2644 980 002	0.0	0.000 000	0.000
	Batt. Endpoint	+20	2644 980 001	-0.4	0.000 000	0.000

- ▣ BandWidth: 100 MHz
- ▣ Voltage(100 %): 3.900 VDC
- ▣ Batt. Endpoint: 3.400 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 009 994	0.0	0.000 000	0.000
	100 %	-30	2546 009 996	1.8	0.000 000	0.001
	100 %	-20	2546 009 996	1.7	0.000 000	0.001
	100 %	-10	2546 010 000	5.6	0.000 000	0.002
	100 %	0	2546 009 998	3.9	0.000 000	0.002
	100 %	+10	2546 009 998	3.9	0.000 000	0.002
	100 %	+30	2546 010 000	5.6	0.000 000	0.002
	100 %	+40	2546 009 993	-1.5	0.000 000	-0.001
	100 %	+50	2546 009 995	0.5	0.000 000	0.000
	Batt. Endpoint	+20	2546 009 995	1.2	0.000 000	0.000
2550.000	100 %	+20(Ref)	2549 999 998	0.0	0.000 000	0.000
	100 %	-30	2549 999 997	-1.0	0.000 000	0.000
	100 %	-20	2549 999 998	0.0	0.000 000	0.000
	100 %	-10	2549 999 999	0.5	0.000 000	0.000
	100 %	0	2549 999 998	-0.4	0.000 000	0.000
	100 %	+10	2549 999 998	-0.4	0.000 000	0.000
	100 %	+30	2549 999 997	-0.7	0.000 000	0.000
	100 %	+40	2549 999 996	-2.4	0.000 000	-0.001
	100 %	+50	2550 000 000	2.2	0.000 000	0.001
	Batt. Endpoint	+20	2549 999 998	-0.4	0.000 000	0.000
2640.000	100 %	+20(Ref)	2639 999 999	0.0	0.000 000	0.000
	100 %	-30	2639 999 998	-0.9	0.000 000	0.000
	100 %	-20	2640 000 002	2.8	0.000 000	0.001
	100 %	-10	2640 000 001	2.4	0.000 000	0.001
	100 %	0	2640 000 004	4.9	0.000 000	0.002
	100 %	+10	2639 999 997	-1.6	0.000 000	-0.001
	100 %	+30	2639 999 998	-1.0	0.000 000	0.000
	100 %	+40	2639 999 998	-0.6	0.000 000	0.000
	100 %	+50	2640 000 005	6.0	0.000 000	0.002
	Batt. Endpoint	+20	2640 000 004	5.4	0.000 000	0.002

9. TEST PLOTS

NR n41_10 M_PAR_Mid_PI/2 BPSK_FullRB



NR n41_10 M_PAR_Mid_QPSK_FullRB



NR n41_10 M_PAR_Mid_16QAM_FullRB



NR n41_10 M_PAR_Mid_64QAM_FullRB



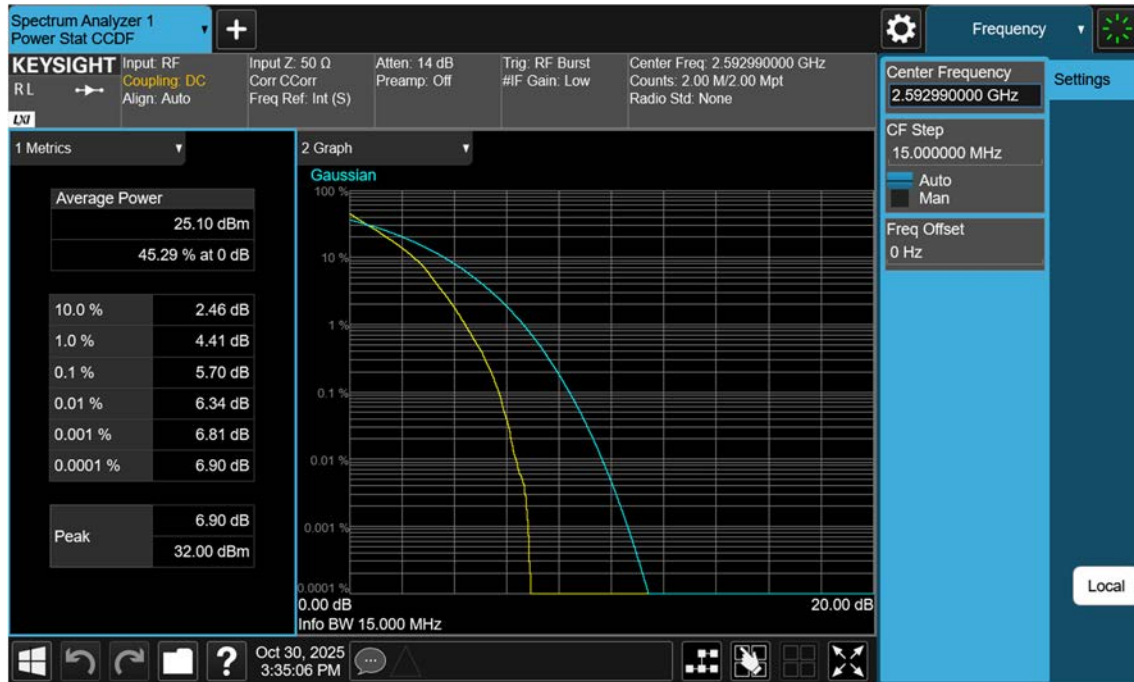
NR n41_10 M_PAR_Mid_256QAM_FullIRB



NR n41_15 M_PAR_Mid_PI/2 BPSK_FullRB



NR n41_15 M_PAR_Mid_QPSK_FullRB



NR n41_15 M_PAR_Mid_16QAM_FullRB



NR n41_15 M_PAR_Mid_64QAM_FullRB



NR n41_15 M_PAR_Mid_256QAM_FullIRB



NR n41_20 M_PAR_Mid_PI/2 BPSK_FullRB



NR n41_20 M_PAR_Mid_QPSK_FullRB



NR n41_20 M_PAR_Mid_16QAM_FullRB



NR n41_20 M_PAR_Mid_64QAM_FullRB



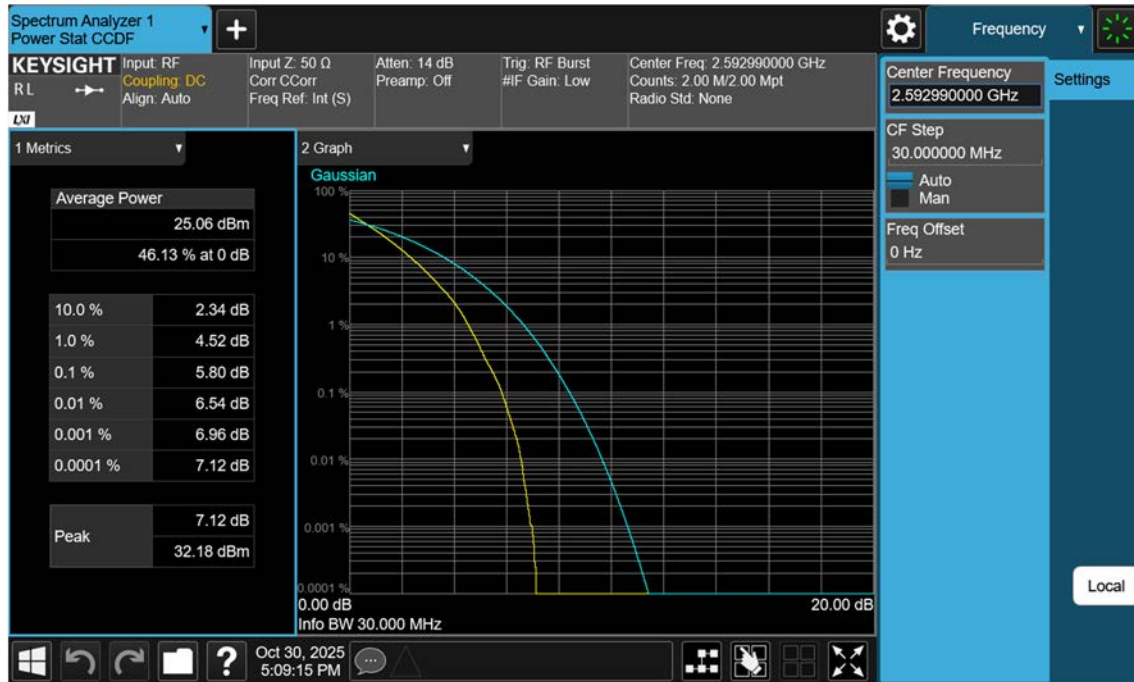
NR n41_20 M_PAR_Mid_256QAM_FullIRB



NR n41_30 M_PAR_Mid_PI/2 BPSK_FullRB



NR n41_30 M_PAR_Mid_QPSK_FullRB



NR n41_30 M_PAR_Mid_16QAM_FullRB



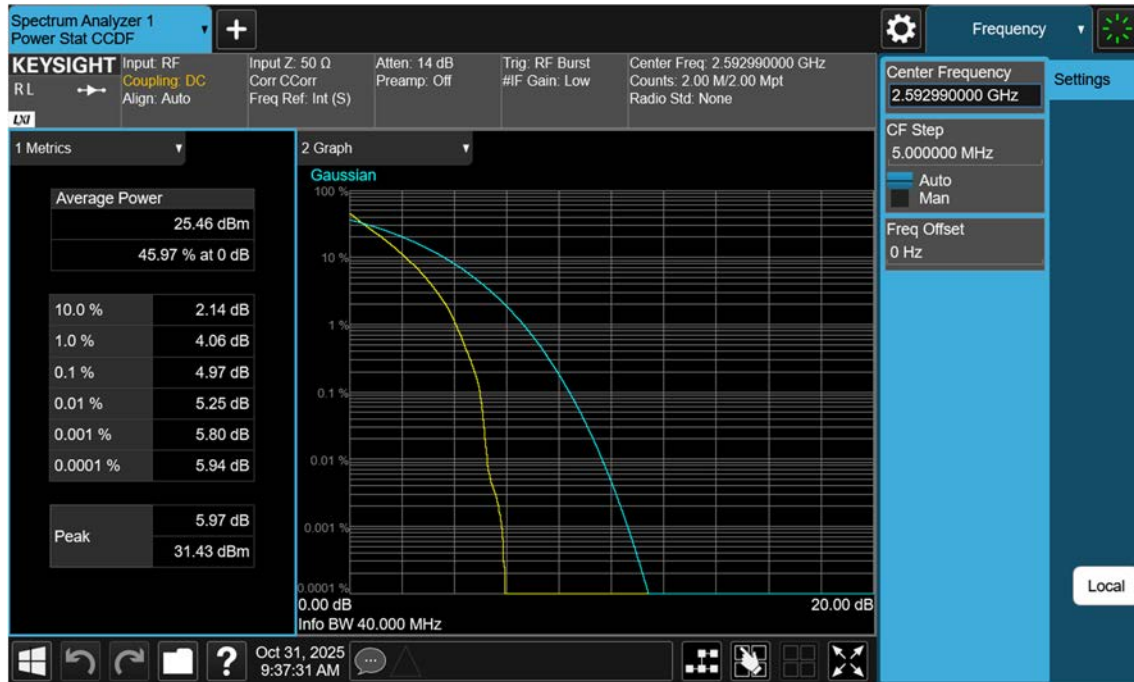
NR n41_30 M_PAR_Mid_64QAM_FullRB



NR n41_30 M_PAR_Mid_256QAM_FullIRB



NR n41_40 M_PAR_Mid_PI/2 BPSK_FullRB



NR n41_40 M_PAR_Mid_QPSK_FullRB



NR n41_40 M_PAR_Mid_16QAM_FullRB



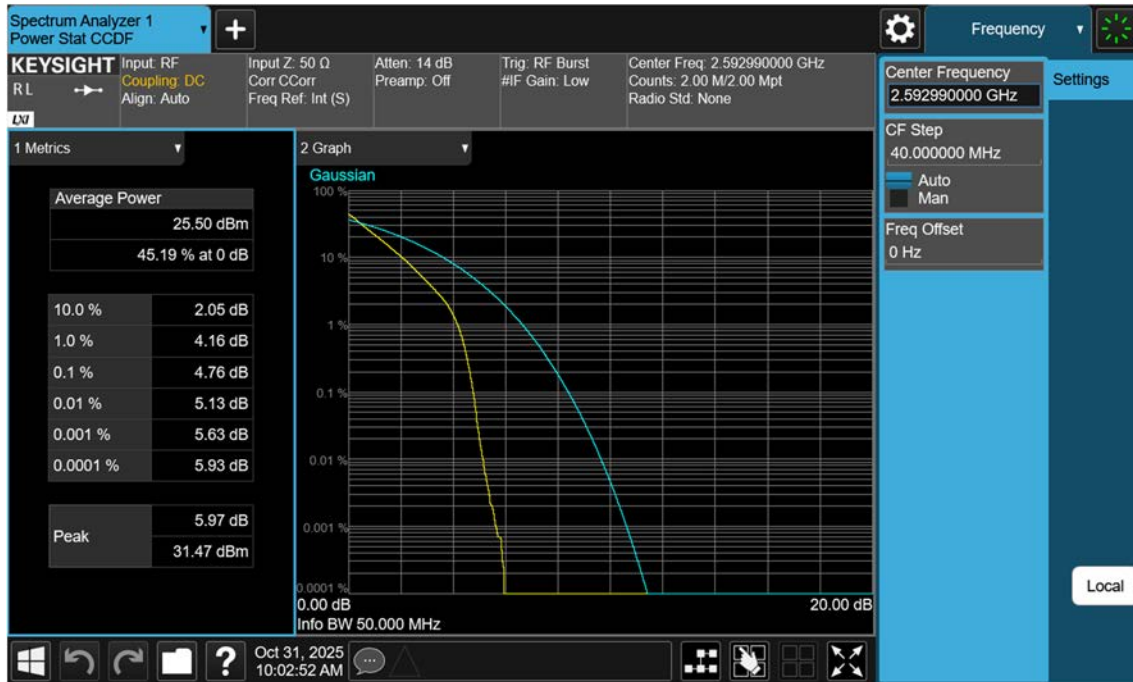
NR n41_40 M_PAR_Mid_64QAM_FullRB



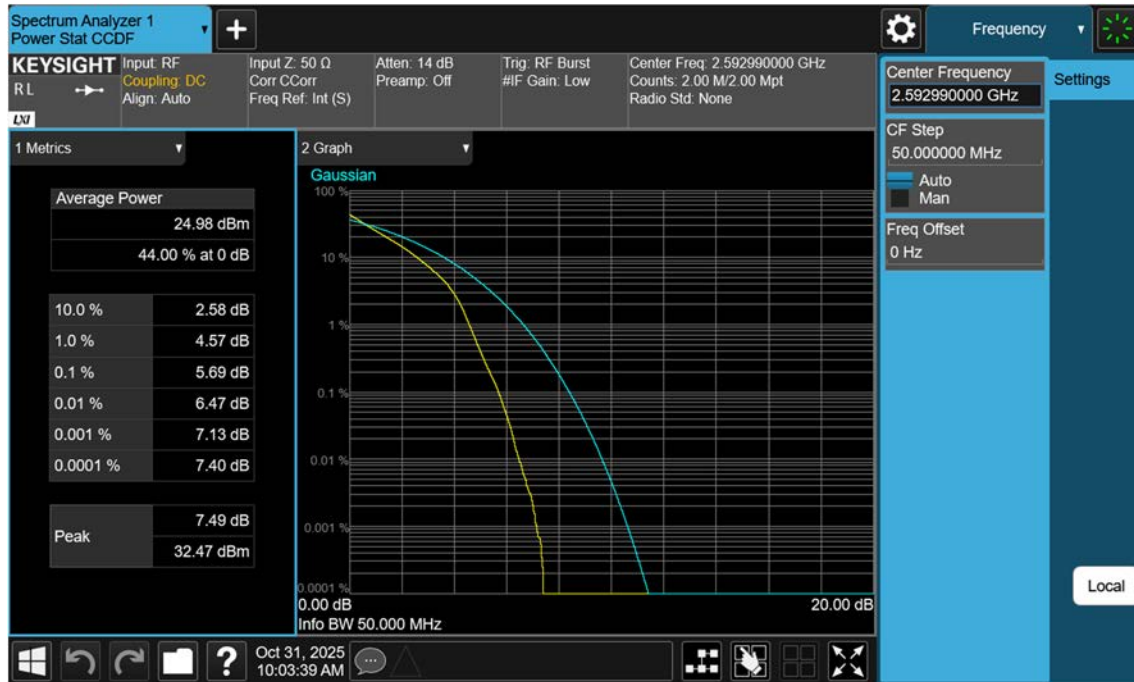
NR n41_40 M_PAR_Mid_256QAM_FullIRB



NR n41_50 M_PAR_Mid_PI/2 BPSK_FullRB



NR n41_50 M_PAR_Mid_QPSK_FullRB



NR n41_50 M_PAR_Mid_16QAM_FullRB



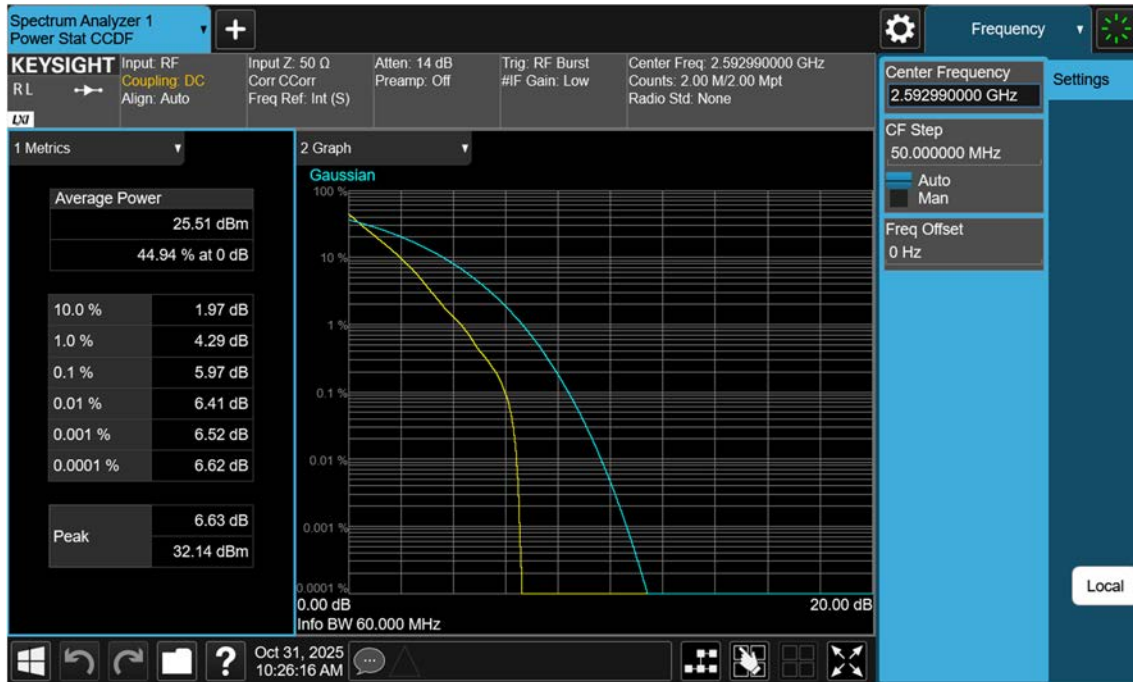
NR n41_50 M_PAR_Mid_64QAM_FullRB



NR n41_50 M_PAR_Mid_256QAM_FullIRB



NR n41_60 M_PAR_Mid_PI/2 BPSK_FullRB



NR n41_60 M_PAR_Mid_QPSK_FullRB



NR n41_60 M_PAR_Mid_16QAM_FullRB



NR n41_60 M_PAR_Mid_64QAM_FullRB



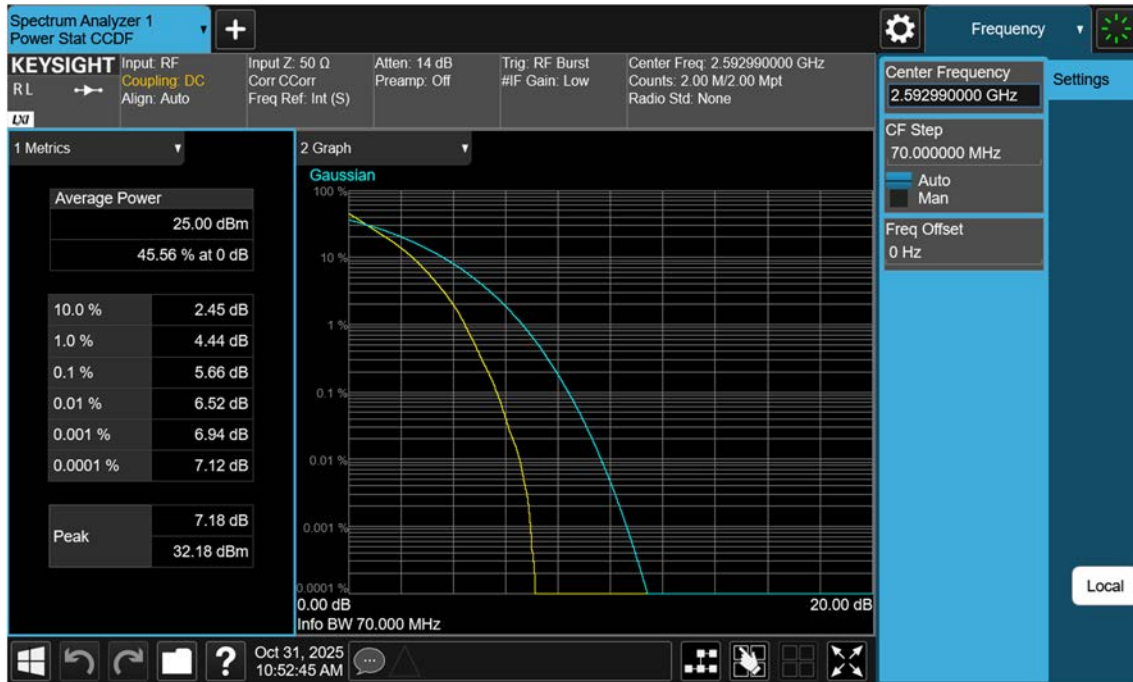
NR n41_60 M_PAR_Mid_256QAM_FullIRB



NR n41_70 M_PAR_Mid_PI/2 BPSK_FullRB



NR n41_70 M_PAR_Mid_QPSK_FullRB



NR n41_70 M_PAR_Mid_16QAM_FullRB



NR n41_70 M_PAR_Mid_64QAM_FullRB



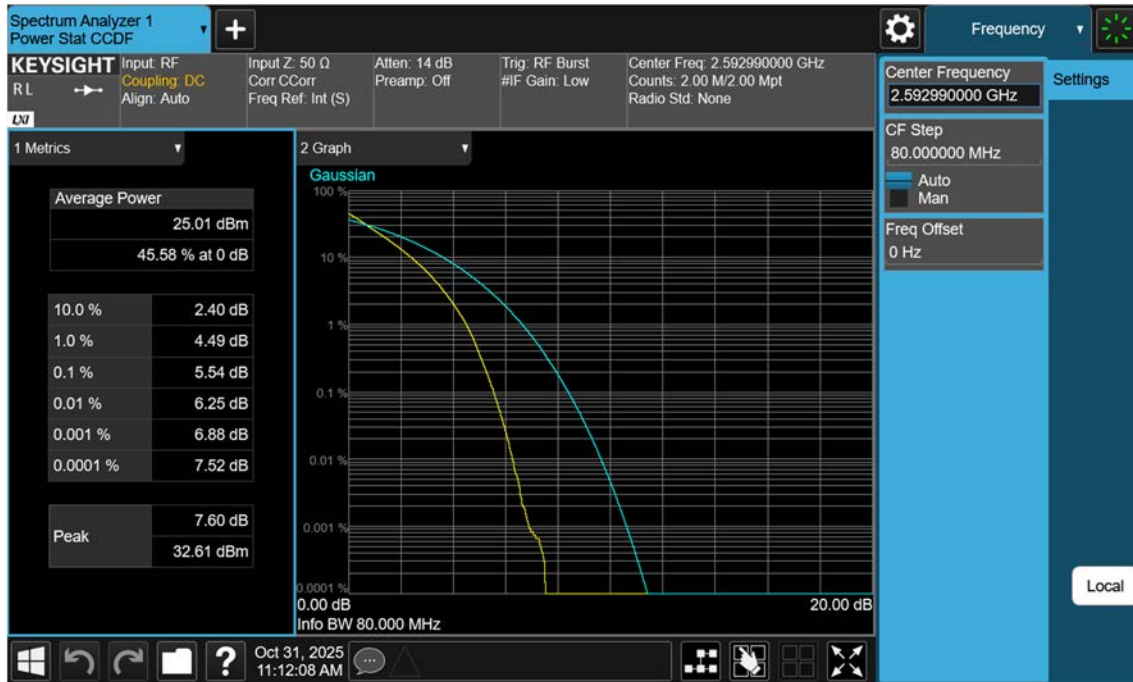
NR n41_70 M_PAR_Mid_256QAM_FullIRB



NR n41_80 M_PAR_Mid_PI/2 BPSK_FullRB



NR n41_80 M_PAR_Mid_QPSK_FullRB



NR n41_80 M_PAR_Mid_16QAM_FullRB



NR n41_80 M_PAR_Mid_64QAM_FullRB



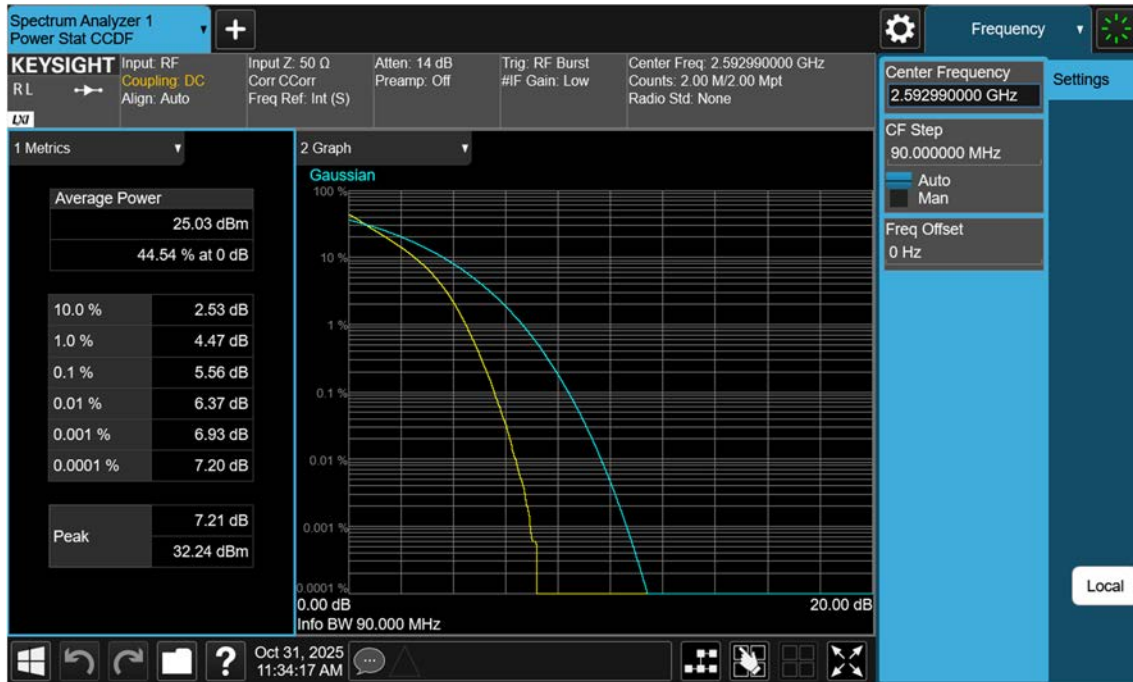
NR n41_80 M_PAR_Mid_256QAM_FullIRB



NR n41_90 M_PAR_Mid_PI/2 BPSK_FullRB



NR n41_90 M_PAR_Mid_QPSK_FullRB



NR n41_90 M_PAR_Mid_16QAM_FullRB



NR n41_90 M_PAR_Mid_64QAM_FullRB



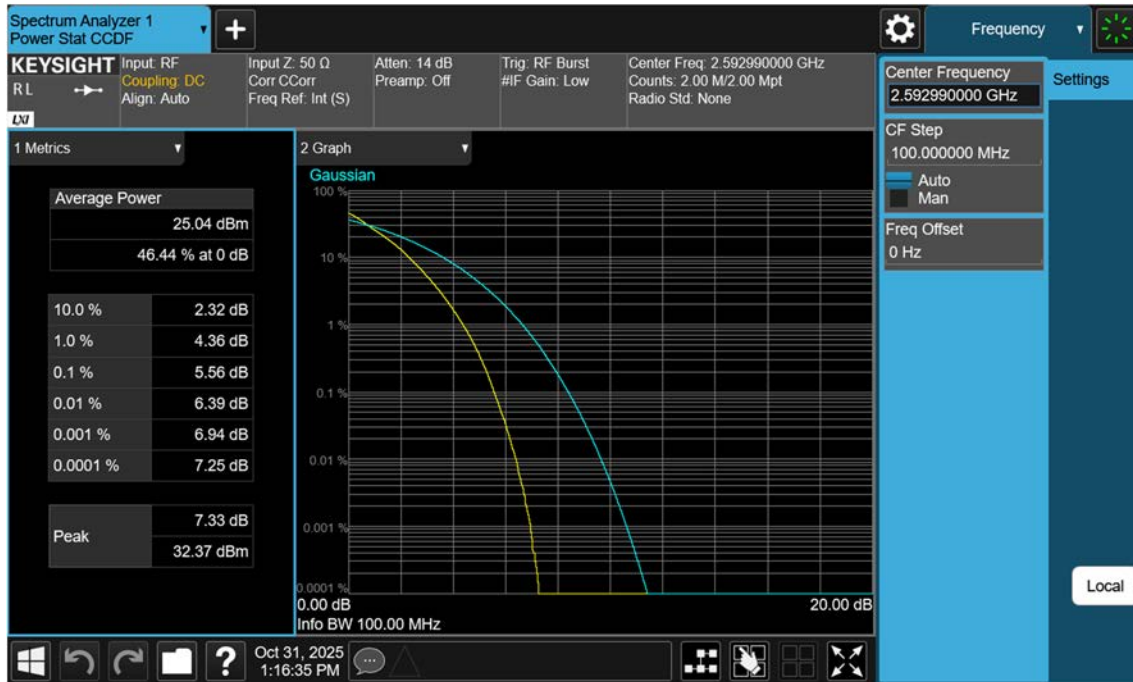
NR n41_90 M_PAR_Mid_256QAM_FullIRB



NR n41_100 M_PAR_Mid_PI/2 BPSK_FullIRB



NR n41_100 M_PAR_Mid_QPSK_FullRB



NR n41_100 M_PAR_Mid_16QAM_FullIRB



NR n41_100 M_PAR_Mid_64QAM_FullIRB



NR n41_100 M_PAR_Mid_256QAM_FullRB



NR n41_10 M_OBW_Mid_PI/2 BPSK_FullRB



NR n41_10 M_OBW_Mid_QPSK_FullRB



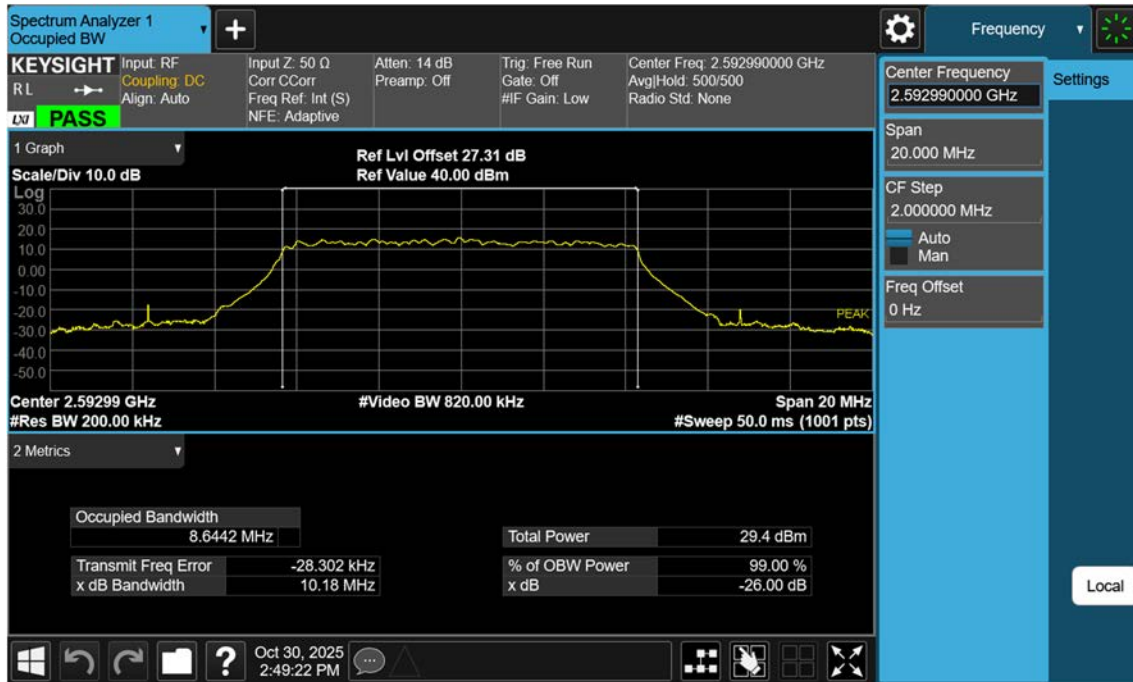
NR n41_10 M_OBW_Mid_16QAM_FullRB



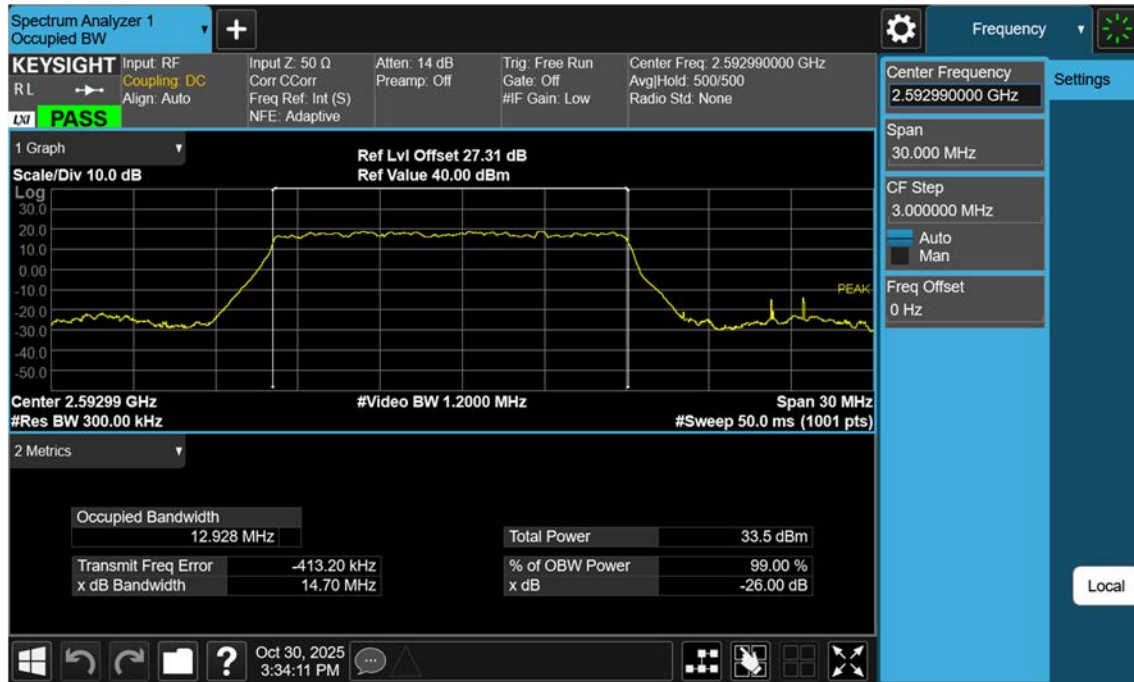
NR n41_10 M_OBW_Mid_64QAM_FullIRB



NR n41_10 M_OBW_Mid_256QAM_FullRB



NR n41_15 M_OBW_Mid_PI/2 BPSK_FullRB



NR n41_15 M_OBW_Mid_QPSK_FullRB



NR n41_15 M_OBW_Mid_16QAM_FullIRB



NR n41_15 M_OBW_Mid_64QAM_FullRB



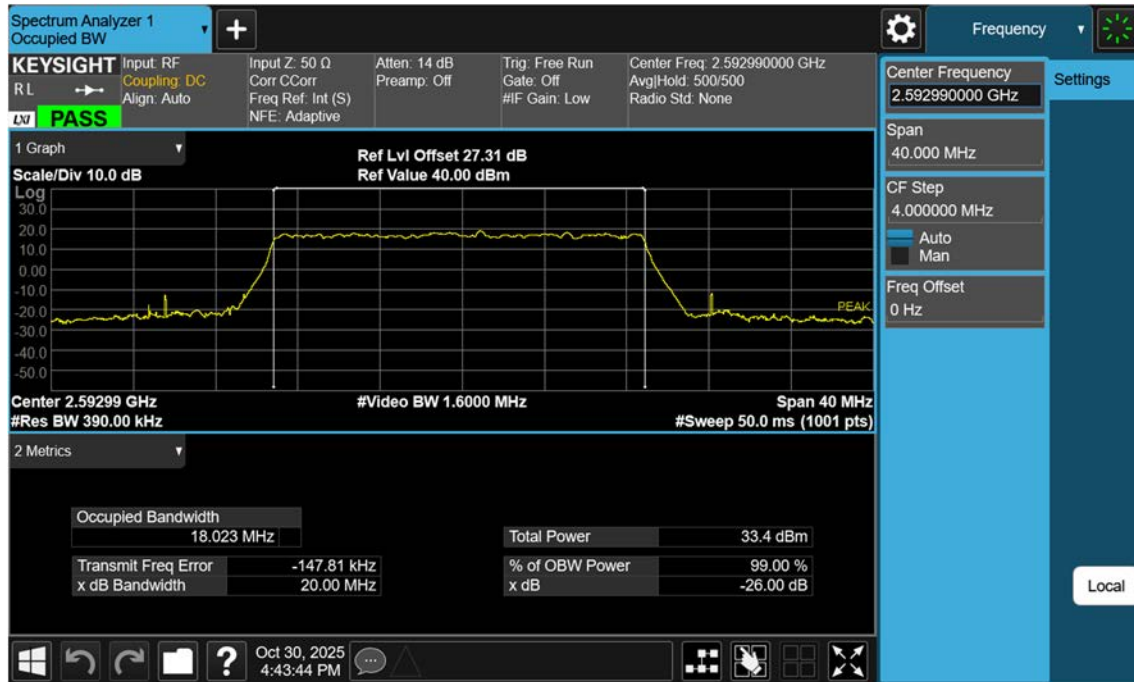
NR n41_15 M_OBW_Mid_256QAM_FullRB



NR n41_20 M_OBW_Mid_PI/2 BPSK_FullRB



NR n41_20 M_OBW_Mid_QPSK_FullRB



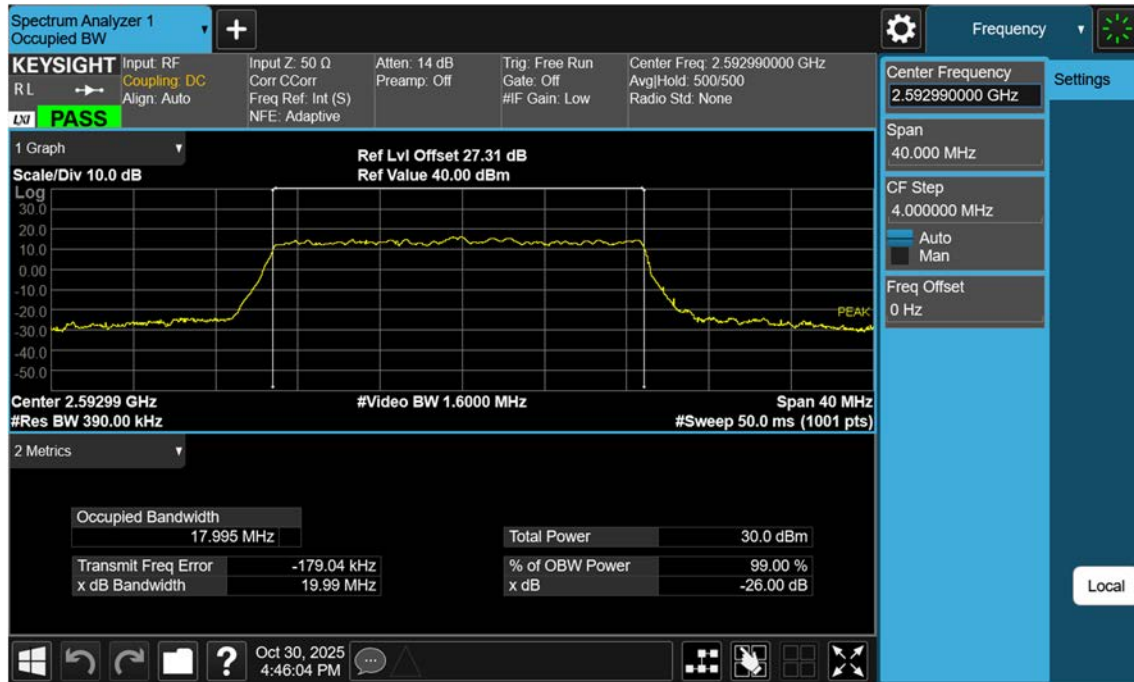
NR n41_20 M_OBW_Mid_16QAM_FullIRB



NR n41_20 M_OBW_Mid_64QAM_FullRB



NR n41_20 M_OBW_Mid_256QAM_FullRB



NR n41_30 M_OBW_Mid_PI/2 BPSK_FullRB

