74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383, Rep. of KOREA
TEL: +82-31-645-6300 FAX: +82-31-645-6401

FCC Sub6 REPORT

Certification

Applicant Name:
SAMSUNG Electronics Co., Ltd.

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

Date of Issue:
October 16, 2023

Location:
HCT CO., LTD.,
74, Seoicheon-ro 578beon-gil, Majang-myeon,
Icheon-si, Gyeonggi-do, 17383, Rep. of KOREA

Report No.: HCT-RF-2310-FC045

FCC ID:	**A3LSMS926U**
APPLICANT:	**SAMSUNG Electronics Co., Ltd.**

Model(s):	SM-S926U
Additional Model(s):	SM-S926U1
EUT Type:	Mobile Phone
FCC Classification:	PCS Licensed Transmitter Held to Ear (PCE)
FCC Rule Part(s):	§27

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)

Ant B

Mode (MHz)	Tx Frequency (MHz)	Emission Designator	Modulation	EIRP	
				Max. Power (W)	Max. Power (dBm)
Sub6 n41 (10)	2501.010 – 2685.000	8M64G7D	PI/2 BPSK	0.201	23.03
		8M63G7D	QPSK	0.198	22.97
		8M69W7D	16QAM	0.153	21.85
		8M64W7D	64QAM	0.109	20.38
		8M66W7D	256QAM	0.066	18.19
Sub6 n41 (15)	2503.500 – 2682.480	13M0G7D	PI/2 BPSK	0.208	23.18
		13M0G7D	QPSK	0.205	23.11
		13M0W7D	16QAM	0.161	22.06
		13M0W7D	64QAM	0.121	20.82
		13M0W7D	256QAM	0.072	18.57
Sub6 n41 (20)	2506.020 – 2679.990	18M0G7D	PI/2 BPSK	0.209	23.20
		18M0G7D	QPSK	0.206	23.13
		18M0W7D	16QAM	0.155	21.90
		17M9W7D	64QAM	0.117	20.70
		17M9W7D	256QAM	0.070	18.47
Sub6 n41 (25)	2508.510 – 2677.500	23M0G7D	PI/2 BPSK	0.210	23.23
		23M0G7D	QPSK	0.207	23.17
		23M0W7D	16QAM	0.157	21.95
		23M0W7D	64QAM	0.117	20.68
		23M0W7D	256QAM	0.071	18.51
Sub6 n41 (30)	2511.000 – 2674.980	27M0G7D	PI/2 BPSK	0.213	23.28
		26M9G7D	QPSK	0.207	23.17
		26M9W7D	16QAM	0.162	22.09
		26M9W7D	64QAM	0.120	20.78
		26M9W7D	256QAM	0.072	18.58
Sub6 n41 (40)	2516.010 – 2670.000	35M9G7D	PI/2 BPSK	0.205	23.12
		35M9G7D	QPSK	0.204	23.09
		35M8W7D	16QAM	0.160	22.04
		35M8W7D	64QAM	0.117	20.67
		35M8W7D	256QAM	0.070	18.42
Sub6 n41 (50)	2521.020 – 2664.990	45M9G7D	PI/2 BPSK	0.199	22.98
		45M9G7D	QPSK	0.197	22.94
		45M9W7D	16QAM	0.150	21.76
		45M9W7D	64QAM	0.115	20.60
		45M9W7D	256QAM	0.070	18.45
Sub6 n41 (60)	2526.000 – 2659.980	58M0G7D	PI/2 BPSK	0.193	22.86
		58M0G7D	QPSK	0.191	22.81
		58M0W7D	16QAM	0.148	21.70
		57M9W7D	64QAM	0.110	20.41
		58M1W7D	256QAM	0.066	18.17
Sub6 n41 (70)	2531.010 – 2655.000	64M6G7D	PI/2 BPSK	0.201	23.03
		64M6G7D	QPSK	0.199	22.99
		64M5W7D	16QAM	0.155	21.89
		64M5W7D	64QAM	0.113	20.53
		64M6W7D	256QAM	0.069	18.40
Sub6 n41 (80)	2536.020 – 2649.990	77M6G7D	PI/2 BPSK	0.195	22.91
		77M2G7D	QPSK	0.194	22.88
		77M3W7D	16QAM	0.151	21.79
		77M2W7D	64QAM	0.112	20.49
		77M4W7D	256QAM	0.068	18.31
Sub6 n41 (90)	2541.000 – 2644.980	87M1G7D	PI/2 BPSK	0.207	23.16
		87M1G7D	QPSK	0.206	23.13
		86M8W7D	16QAM	0.156	21.94
		87M0W7D	64QAM	0.115	20.59
		86M8W7D	256QAM	0.069	18.40
Sub6 n41 (100)	2546.010 – 2640.000	96M7G7D	PI/2 BPSK	0.203	23.07
		96M9G7D	QPSK	0.200	23.01
		96M5W7D	16QAM	0.156	21.93
		96M7W7D	64QAM	0.113	20.53
		97M1W7D	256QAM	0.069	18.36

Ant F

Mode (MHz)	Tx Frequency (MHz)	Emission Designator	Modulation	EIRP	
				Max. Power (W)	Max. Power (dBm)
Sub6 n41 (10)	2501.010 – 2685.000	8M65G7D	PI/2 BPSK	0.249	23.96
		8M63G7D	QPSK	0.243	23.86
		8M65W7D	16QAM	0.182	22.61
		8M66W7D	64QAM	0.134	21.26
		8M62W7D	256QAM	0.079	18.96
Sub6 n41 (15)	2503.500 – 2682.480	13M0G7D	PI/2 BPSK	0.237	23.74
		13M0G7D	QPSK	0.231	23.64
		12M9W7D	16QAM	0.174	22.41
		13M0W7D	64QAM	0.131	21.16
		13M0W7D	256QAM	0.078	18.94
Sub6 n41 (20)	2506.020 – 2679.990	18M0G7D	PI/2 BPSK	0.246	23.91
		18M0G7D	QPSK	0.242	23.84
		18M0W7D	16QAM	0.183	22.62
		18M0W7D	64QAM	0.132	21.22
		17M9W7D	256QAM	0.079	18.95
Sub6 n41 (25)	2508.510 – 2677.500	23M0G7D	PI/2 BPSK	0.250	23.98
		23M1G7D	QPSK	0.246	23.91
		23M0W7D	16QAM	0.186	22.69
		23M0W7D	64QAM	0.138	21.40
		23M0W7D	256QAM	0.081	19.11
Sub6 n41 (30)	2511.000 – 2674.980	27M0G7D	PI/2 BPSK	0.251	23.99
		27M0G7D	QPSK	0.242	23.83
		27M0W7D	16QAM	0.182	22.60
		26M9W7D	64QAM	0.135	21.31
		26M9W7D	256QAM	0.080	19.02
Sub6 n41 (40)	2516.010 – 2670.000	35M9G7D	PI/2 BPSK	0.234	23.69
		36M0G7D	QPSK	0.230	23.62
		35M9W7D	16QAM	0.171	22.34
		35M9W7D	64QAM	0.131	21.17
		35M9W7D	256QAM	0.077	18.89
Sub6 n41 (50)	2521.020 – 2664.990	45M9G7D	PI/2 BPSK	0.257	24.10
		45M9G7D	QPSK	0.252	24.01
		46M1W7D	16QAM	0.198	22.97
		46M0W7D	64QAM	0.142	21.51
		45M9W7D	256QAM	0.085	19.29
Sub6 n41 (60)	2526.000 – 2659.980	58M3G7D	PI/2 BPSK	0.233	23.68
		58M0G7D	QPSK	0.225	23.53
		58M1W7D	16QAM	0.176	22.46
		58M0W7D	64QAM	0.129	21.10
		58M1W7D	256QAM	0.077	18.85
Sub6 n41 (70)	2531.010 – 2655.000	64M6G7D	PI/2 BPSK	0.217	23.37
		64M6G7D	QPSK	0.202	23.06
		64M6W7D	16QAM	0.171	22.33
		64M5W7D	64QAM	0.118	20.73
		64M7W7D	256QAM	0.074	18.67
Sub6 n41 (80)	2536.020 – 2649.990	77M4G7D	PI/2 BPSK	0.220	23.42
		77M3G7D	QPSK	0.207	23.17
		77M5W7D	16QAM	0.171	22.33
		77M5W7D	64QAM	0.118	20.73
		77M3W7D	256QAM	0.073	18.63
Sub6 n41 (90)	2541.000 – 2644.980	87M1G7D	PI/2 BPSK	0.221	23.44
		87M3G7D	QPSK	0.216	23.35
		87M1W7D	16QAM	0.175	22.44
		87M1W7D	64QAM	0.122	20.88
		87M1W7D	256QAM	0.076	18.78
Sub6 n41 (100)	2546.010 – 2640.000	97M0G7D	PI/2 BPSK	0.247	23.93
		97M0G7D	QPSK	0.240	23.81
		96M7W7D	16QAM	0.184	22.64
		96M8W7D	64QAM	0.134	21.27
		96M7W7D	256QAM	0.081	19.07

REVIEWED BY

Report prepared by : Jae Ryang Do
Engineer of Telecommunication Testing Center

Report approved by : Jong Seok Lee
Manager of Telecommunication Testing Center

The result shown in this test report refer only to the sample(s) tested unless otherwise stated.
This test results were applied only to the test methods required by the standard.

This laboratory is not accredited for the test results marked *.
The above Test Report is the accredited test result by (KS Q) ISO/IEC 17025 and KOLAS(Korea Laboratory Accreditation Scheme), which signed the ILAC-MRA. (HCT Accreditation No.: KT197)

Version

TEST REPORT NO.	DATE	DESCRIPTION
HCT-RF-2310-FC045	October 16, 2023	- First Approval Report

Table of Contents

MEASUREMENT REPORT

1. GENERAL INFORMATION

Applicant Name:	SAMSUNG Electronics Co., Ltd.
Address:	129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea
FCC ID:	A3LSMS926U
Application Type:	Certification
FCC Classification:	PCS Licensed Transmitter Held to Ear (PCE)
FCC Rule Part(s):	§27
EUT Type:	Mobile Phone
Model(s):	SM-S926U
Additional Model(s):	SM-S926U1
SCS(kHz):	30
Bandwidth(MHz):	10, 15, 20, 25, 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(SCS 30kHz):	2501.010 – 2685.000 : 10 MHz 2503.500 – 2682.480 : 15 MHz 2506.020 – 2679.990 : 20 MHz 2508.510 – 2677.500 : 25 MHz 2511.000 – 2674.980 : 30 MHz 2516.010 – 2670.000 : 40 MHz 2521.020 – 2664.990 : 50 MHz 2526.000 – 2659.980 : 60 MHz 2531.010 – 2655.000 : 70 MHz 2536.020 – 2649.990 : 80 MHz 2541.000 – 2644.980 : 90 MHz 2546.010 – 2640.000 : 100 MHz
Date(s) of Tests:	August 31, 2023 ~ October 16, 2023
Serial number:	Radiated: R3CW80ME13Y (Ant B), R3CW80MAMQT (Ant F) Conducted: R3CW80MBA9V (Ant B), R3CW80MAK7Y (Ant F)

2. INTRODUCTION

2.1. DESCRIPTION OF EUT

The EUT was a Mobile Phone with GSM/GPRS/EGPRS/UMTS and LTE, Sub6, mmWave.

It also supports IEEE 802.11 a/b/g/n/ac/ax (20/40/80/160 MHz), WIFI 6E, Bluetooth, BT LE, NFC, UWB, WPT.

2.2. MEASURING INSTRUMENT CALIBRATION

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

2.3. TEST FACILITY

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

3. DESCRIPTION OF TESTS

3.1 TEST PROCEDURE

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

3.2 RADIATED POWER

Test Overview

Radiated tests are performed in the Fully-anechoic chamber.

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

Test Settings

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

Test Note

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

   The power is calculated by the following formula;

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

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

3.3 RADIATED SPURIOUS EMISSIONS

Test Overview

Radiated tests are performed in the Fully-anechoic chamber.

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

Test Settings

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

Test Note

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

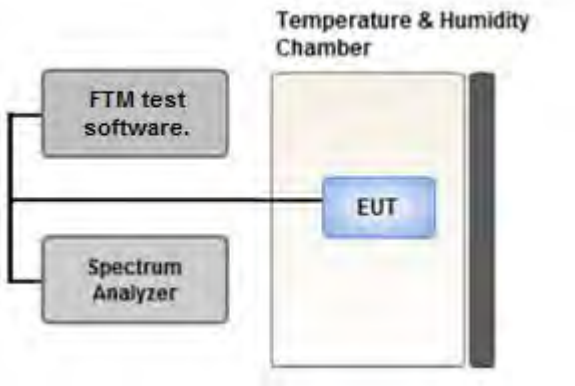
$$\text{Result}_{(dBm)} = \text{Pg}_{(dBm)} - \text{cable loss}_{(dB)} + \text{antenna gain}_{(dBi)}$$

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

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

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

3.4 PEAK- TO- AVERAGE RATIO



Test setup

① CCDF Procedure for PAPR

Test Settings

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

② Alternate Procedure for PAPR

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

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

Test Settings(Peak Power)

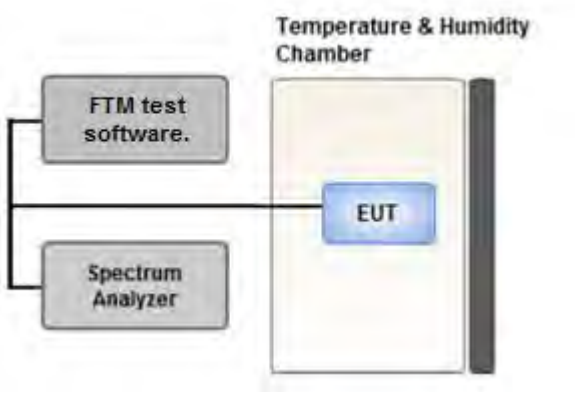
The measurement instrument must have a RBW that is greater than or equal to the OBW of the signal to be measured and a VBW ≥ 3 × RBW.

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

Test Settings(Average Power)

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

3.5 OCCUPIED BANDWIDTH.



Test setup

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

The EUT makes a call to the communication simulator.

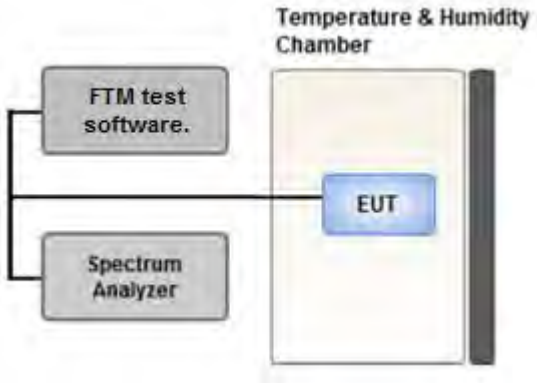
The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.

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

Test Settings

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

3.6 SPURIOUS AND HARMONIC EMISSIONS AT ANTENNA TERMINAL



Test setup

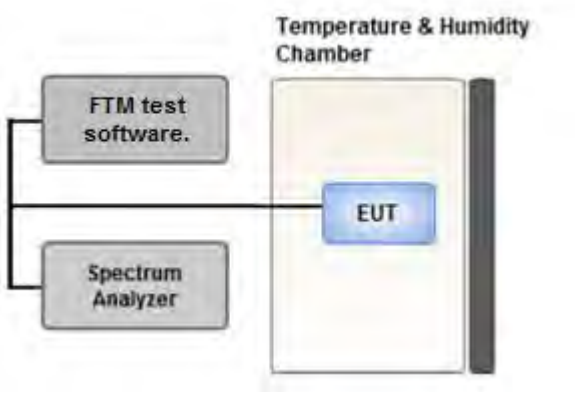
Test Overview

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

Test Settings

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

3.7 CHANNEL EDGE



Test setup

Test Overview

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

Test Settings

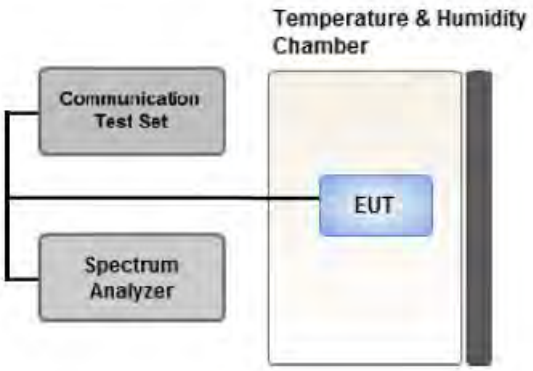
1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. Within 1 MHz of the channel edge the RBW should be 2 % of EBW, then 1 MHz after that.
4. VBW > 3 x RBW
5.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

Test Notes

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

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

3.8 FREQUENCY STABILITY / VARIATION OF AMBIENT TEMPERATURE



Test setup

Test Overview

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

The frequency stability of the transmitter is measured by:

1. Temperature:

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

2. Primary Supply Voltage:

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

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

Test Settings

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

3.9 WORST CASE(RADIATED TEST)

- Waveform : All Waveform of operation were investigated and the worst case configuration results are reported.
  (Worst case: DFT-S-OFDM)
- The EUT was tested in three orthogonal planes(X, Y, Z) and in all possible test configurations and positioning.
- All modes of operation were investigated and the worst case configuration results are reported.
  Mode: SA, NSA, SRS
  Worst case: SA
  Mode : Stand alone, Stand alone + External accessories (Earphone, AC adapter, etc)
  Worst case : Stand alone
- We were performed the RSE test in condition of co-location.
  Mode : Stand alone, Simultaneous transmission scenarios
  Worst case : Stand alone
- 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 were not reported.
- All RB sizes, offsets of operation were investigated and the worst case configuration results are reported.
  Please refer to the table below.
- SM-S926U & additional models were tested and the worst case results are reported.
  (Worst case : SM-S926U)

[Ant B Worst case]

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

[Ant F Worst case]

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

3.10 WORST CASE(CONDUCTED TEST)

- Waveform : All Waveform of operation were investigated and the worst case configuration results are reported.
  (Worst case: DFT-S-OFDM)
- Modulation : All Modulation of operation were investigated and the worst case configuration results are reported.
  (Worst case: PI/2 BPSK)
- All modes of operation were investigated and the worst case configuration results are reported.
  Mode: SA, NSA, SRS
  Worst case: SA
- All RB sizes, offsets of operation were investigated and the worst case configuration results are reported.
  Please refer to the table below.
- SM-S926U & additional models were tested and the worst case results are reported.
  (Worst case : SM-S926U)

[Worst case]

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

4. LIST OF TEST EQUIPMENT

Equipment	Model	Manufacture	Serial No.	Due to Calibration	Calibration Interval
Precision Dipole Antenna	UHAP	Schwarzbeck	01273	03/27/2024	Biennial
Precision Dipole Antenna	UHAP	Schwarzbeck	01274	03/27/2024	Biennial
Horn Antenna(1~18 GHz)	BBHA 9120D	Schwarzbeck	02289	03/21/2024	Biennial
Horn Antenna(1~18 GHz)	BBHA 9120D	Schwarzbeck	9120D-1299	04/27/2025	Biennial
Horn Antenna(15~40 GHz)	BBHA 9170	Schwarzbeck	BBHA9170342	09/29/2024	Biennial
Horn Antenna(15~40 GHz)	BBHA 9170	Schwarzbeck	BBHA9170124	03/28/2025	Biennial
Loop Antenna(9 kHz~30 MHz)	FMZB1513	Rohde & Schwarz	1513-175	01/16/2025	Biennial
Bilog Antenna	VULB9160	Schwarzbeck	3150	03/09/2025	Biennial
Hybrid Antenna	VULB9160	Schwarzbeck	760	02/24/2025	Biennial
RF Switching System	FBSR-06B (1G HPF + LNA)	T&M SYSTEM	F3L1	05/22/2024	Annual
RF Switching System	FBSR-06B (3G HPF + LNA)	T&M SYSTEM	F3L2	05/22/2024	Annual
RF Switching System	FBSR-06B (6G HPF + LNA)	T&M SYSTEM	F3L3	05/22/2024	Annual
RF Switching System	FBSR-06B (LNA)	T&M SYSTEM	F3L4	05/22/2024	Annual
Power Amplifier	CBL18265035	CERNEX	22966	12/01/2023	Annual
Power Amplifier	CBL26405040	CERNEX	25956	03/02/2024	Annual
DC Power Supply	E3632A	Hewlett Packard	MY40004427	08/25/2024	Annual
Power Splitter(DC~26.5 GHz)	11667B	Hewlett Packard	11275	03/02/2024	Annual
Chamber	SU-642	ESPEC	93008124	02/22/2024	Annual
Signal Analyzer(10 Hz~26.5 GHz)	N9020A	Agilent	MY51110063	04/11/2024	Annual
ATTENUATOR(20 dB)	8493C	Hewlett Packard	17280	04/19/2024	Annual
Spectrum Analyzer(10 Hz~40 GHz)	FSV40	REOHDE & SCHWARZ	101436	02/22/2024	Annual
Base Station	8960 (E5515C)	Agilent	MY48360800	08/10/2024	Annual
Wideband Radio Communication Tester	MT8821C	Anritsu Corp.	6262287701	05/22/2024	Annual
Wideband Radio Communication Tester	MT8000A	Anritsu Corp.	6262302511	05/23/2024	Annual
SIGNAL GENERATOR (100 kHz~40 GHz)	SMB100A	REOHDE & SCHWARZ	177633	06/22/2024	Annual
Signal Analyzer(5 Hz~40.0 GHz)	N9030B	KEYSIGHT	MY55480167	05/24/2024	Annual
4-Way Divider	ZC4PD-K1844+	Mini-Circuits	942907	09/19/2024	Annual
FCC LTE Mobile Conducted RF Automation Test Software	-	HCT CO., LTD.,	-	-	-

Note:

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

5. MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.4:2014. All measurement uncertainty values are shown with a coverage factor of k = 2 to indicate a 95 % level of confidence. The measurement data shown herein meets or exceeds the U_{CISPR} measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

Parameter	Expanded Uncertainty (±dB)
Conducted Disturbance (150 kHz ~ 30 MHz)	1.90 (Confidence level about 95 %, k=2)
Radiated Disturbance (9 kHz ~ 30 MHz)	4.14 (Confidence level about 95 %, k=2)
Radiated Disturbance (30 MHz ~ 1 GHz)	5.16 (Confidence level about 95 %, k=2)
Radiated Disturbance (1 GHz ~ 18 GHz)	5.57 (Confidence level about 95 %, k=2)
Radiated Disturbance (18 GHz ~ 40 GHz)	5.76 (Confidence level about 95 %, k=2)
Radiated Disturbance (Above 40 GHz)	5.52 (Confidence level about 95 %, k=2)

6. SUMMARY OF TEST RESULTS

6.1 Test Condition: Conducted Test

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

Note:

1. See SAR Report

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

6.2 Test Condition: Radiated Test

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

Note:

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

7. SAMPLE CALCULATION

7.1 ERP Sample Calculation

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

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

1) The EUT mounted on a non-conductive turntable is 2.5 meter above test site ground level.

2) During the test, the turn table is rotated until the maximum signal is found.

3) Record the field strength meter's level.

4) Replace the EUT with dipole/Horn antenna that is connected to a calibrated signal generator.

5) Increase the signal generator output till the field strength meter's level is equal to the item (3).

6) The signal generator output level with Ant. Gain and cable loss are the rating of effective radiated power.

7.2 EIRP Sample Calculation

Ch./ Freq.		Measured Level(dBm)	Substitute Level(dBm)	Ant. Gain (dBi)	C.L	Pol.	EIRP	
channel	Freq.(MHz)						W	dBm
518598	2593.0	-15.75	18.45	9.90	1.76	H	0.456	26.59

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

1) The EUT mounted on a non-conductive turntable is 2.5 meter above test site ground level.

2) During the test, the turn table is rotated until the maximum signal is found.

3) Record the field strength meter's level.

4) Replace the EUT with dipole/Horn antenna that is connected to a calibrated signal generator.

5) Increase the signal generator output till the field strength meter's level is equal to the item (3).

6) The signal generator output level with Ant. Gain and cable loss are the rating of equivalent isotropic radiated power.

7.3. Emission Designator

GSM Emission Designator

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

EDGE Emission Designator

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

WCDMA Emission Designator

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

QPSK Modulation

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

QAM Modulation

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

8. TEST DATA(Ant B)

8.1 EQUIVALENT ISOTROPIC RADIATED POWER

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain(dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2501.010	Sub6 41/ 10 MHz [30 kHz]	PI/2 BPSK	-22.31	14.33	10.30	2.47	H	< 2.00	0.164	22.16	1	22
		QPSK	-22.35	14.29	10.30	2.47	H		0.163	22.12		
		16-QAM	-23.48	13.16	10.30	2.47	H		0.126	20.99		
		64-QAM	-24.96	11.68	10.30	2.47	H		0.089	19.51		
		256-QAM	-27.14	9.50	10.30	2.47	H		0.054	17.33		
2505.000		PI/2 BPSK	-22.24	14.39	10.30	2.48	H		0.166	22.21	1	22
		QPSK	-22.29	14.34	10.30	2.48	H		0.164	22.16		
		16-QAM	-23.39	13.24	10.30	2.48	H		0.128	21.06		
		64-QAM	-24.78	11.85	10.30	2.48	H		0.093	19.67		
		256-QAM	-27.05	9.58	10.30	2.48	H		0.055	17.40		
2592.990		PI/2 BPSK	-20.82	15.48	10.05	2.50	H		0.201	23.03	1	1
		QPSK	-20.88	15.42	10.05	2.50	H		0.198	22.97		
		16-QAM	-22.00	14.30	10.05	2.50	H		0.153	21.85		
		64-QAM	-23.47	12.83	10.05	2.50	H		0.109	20.38		
		256-QAM	-25.66	10.64	10.05	2.50	H		0.066	18.19		
2685.000		PI/2 BPSK	-22.13	15.33	10.10	2.58	H		0.193	22.85	1	12
		QPSK	-22.21	15.25	10.10	2.58	H		0.189	22.77		
		16-QAM	-23.46	14.00	10.10	2.58	H		0.142	21.52		
		64-QAM	-24.73	12.73	10.10	2.58	H		0.106	20.25		
		256-QAM	-26.96	10.50	10.10	2.58	H		0.063	18.02		

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 41/ 15 MHz [30 kHz]	PI/2 BPSK	-22.60	14.03	10.30	2.48	H	< 2.00	0.153	21.85	1	36
		QPSK	-22.65	13.98	10.30	2.48	H		0.151	21.80		
		16-QAM	-23.74	12.89	10.30	2.48	H		0.118	20.71		
		64-QAM	-25.02	11.61	10.30	2.48	H		0.088	19.43		
		256-QAM	-27.25	9.38	10.30	2.48	H		0.053	17.20		
2507.500		PI/2 BPSK	-22.40	14.23	10.30	2.48	H		0.160	22.05	1	19
		QPSK	-22.46	14.17	10.30	2.48	H		0.158	21.99		
		16-QAM	-23.57	13.06	10.30	2.48	H		0.123	20.88		
		64-QAM	-24.85	11.78	10.30	2.48	H		0.091	19.60		
		256-QAM	-27.12	9.51	10.30	2.48	H		0.054	17.33		
2592.990		PI/2 BPSK	-20.90	15.40	10.05	2.50	H		0.197	22.95	1	1
		QPSK	-20.93	15.37	10.05	2.50	H		0.196	22.92		
		16-QAM	-22.04	14.26	10.05	2.50	H		0.152	21.81		
		64-QAM	-23.50	12.80	10.05	2.50	H		0.108	20.35		
		256-QAM	-25.67	10.63	10.05	2.50	H		0.066	18.18		
2682.480		PI/2 BPSK	-22.05	15.66	10.10	2.58	H		0.208	23.18	1	1
		QPSK	-22.12	15.59	10.10	2.58	H		0.205	23.11		
		16-QAM	-23.17	14.54	10.10	2.58	H		0.161	22.06		
		64-QAM	-24.41	13.30	10.10	2.58	H		0.121	20.82		
		256-QAM	-26.66	11.05	10.10	2.58	H		0.072	18.57		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain(dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2506.020	Sub6 41/ 20 MHz [30 kHz]	PI/2 BPSK	-22.43	14.20	10.30	2.48	H	< 2.00	0.159	22.02	1	49
		QPSK	-22.47	14.16	10.30	2.48	H		0.158	21.98		
		16-QAM	-23.59	13.04	10.30	2.48	H		0.122	20.86		
		64-QAM	-25.00	11.63	10.30	2.48	H		0.088	19.45		
		256-QAM	-27.27	9.36	10.30	2.48	H		0.052	17.18		
2510.010		PI/2 BPSK	-22.43	14.19	10.30	2.50	H		0.158	21.99	1	1
		QPSK	-22.48	14.14	10.30	2.50	H		0.156	21.94		
		16-QAM	-23.57	13.05	10.30	2.50	H		0.122	20.85		
		64-QAM	-25.05	11.57	10.30	2.50	H		0.087	19.37		
		256-QAM	-27.26	9.36	10.30	2.50	H		0.052	17.16		
2592.990		PI/2 BPSK	-21.28	15.02	10.05	2.50	H		0.181	22.57	1	1
		QPSK	-21.37	14.93	10.05	2.50	H		0.177	22.48		
		16-QAM	-22.49	13.81	10.05	2.50	H		0.137	21.36		
		64-QAM	-23.83	12.47	10.05	2.50	H		0.101	20.02		
		256-QAM	-26.06	10.24	10.05	2.50	H		0.060	17.79		
2679.990		PI/2 BPSK	-22.03	15.68	10.10	2.58	H		0.209	23.20	1	1
		QPSK	-22.10	15.61	10.10	2.58	H		0.206	23.13		
		16-QAM	-23.33	14.38	10.10	2.58	H		0.155	21.90		
		64-QAM	-24.53	13.18	10.10	2.58	H		0.117	20.70		
		256-QAM	-26.76	10.95	10.10	2.58	H		0.070	18.47		

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
2508.510	Sub6 41/ 25 MHz [30 kHz]	PI/2 BPSK	-22.08	14.55	10.30	2.49	H	< 2.00	0.172	22.36	1	32
		QPSK	-22.14	14.49	10.30	2.49	H		0.170	22.30		
		16-QAM	-23.29	13.34	10.30	2.49	H		0.130	21.15		
		64-QAM	-24.68	11.95	10.30	2.49	H		0.095	19.76		
		256-QAM	-26.93	9.70	10.30	2.49	H		0.056	17.51		
2512.500		PI/2 BPSK	-22.15	14.47	10.28	2.50	H		0.168	22.25	1	1
		QPSK	-22.19	14.43	10.28	2.50	H		0.166	22.21		
		16-QAM	-23.36	13.26	10.28	2.50	H		0.127	21.04		
		64-QAM	-24.75	11.87	10.28	2.50	H		0.092	19.65		
		256-QAM	-26.99	9.63	10.28	2.50	H		0.055	17.41		
2592.990		PI/2 BPSK	-20.65	15.65	10.05	2.50	H		0.209	23.20	1	1
		QPSK	-20.70	15.60	10.05	2.50	H		0.207	23.15		
		16-QAM	-21.90	14.40	10.05	2.50	H		0.157	21.95		
		64-QAM	-23.21	13.09	10.05	2.50	H		0.116	20.64		
		256-QAM	-25.41	10.89	10.05	2.50	H		0.070	18.44		
2677.500		PI/2 BPSK	-21.85	15.71	10.10	2.58	H		0.210	23.23	1	32
		QPSK	-21.91	15.65	10.10	2.58	H		0.207	23.17		
		16-QAM	-23.13	14.43	10.10	2.58	H		0.157	21.95		
		64-QAM	-24.40	13.16	10.10	2.58	H		0.117	20.68		
		256-QAM	-26.57	10.99	10.10	2.58	H		0.071	18.51		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain(dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2511.000	Sub6 41/ 30 MHz [30 kHz]	PI/2 BPSK	-22.15	14.47	10.30	2.50	H	< 2.00	0.169	22.27	1	39
		QPSK	-22.22	14.40	10.30	2.50	H		0.166	22.20		
		16-QAM	-23.40	13.22	10.30	2.50	H		0.127	21.02		
		64-QAM	-24.97	11.65	10.30	2.50	H		0.088	19.45		
		256-QAM	-27.09	9.53	10.30	2.50	H		0.054	17.33		
2515.020		PI/2 BPSK	-22.30	14.19	10.30	2.51	H		0.158	21.98	1	39
		QPSK	-22.35	14.14	10.30	2.51	H		0.156	21.93		
		16-QAM	-23.32	13.17	10.30	2.51	H		0.125	20.96		
		64-QAM	-24.75	11.74	10.30	2.51	H		0.090	19.53		
		256-QAM	-26.87	9.62	10.30	2.51	H		0.055	17.41		
2592.990		PI/2 BPSK	-20.71	15.59	10.05	2.50	H		0.206	23.14	1	1
		QPSK	-20.74	15.56	10.05	2.50	H		0.205	23.11		
		16-QAM	-21.84	14.46	10.05	2.50	H		0.159	22.01		
		64-QAM	-23.30	13.00	10.05	2.50	H		0.114	20.55		
		256-QAM	-25.42	10.88	10.05	2.50	H		0.070	18.43		
2674.980		PI/2 BPSK	-21.65	15.76	10.10	2.58	H		0.213	23.28	1	1
		QPSK	-21.76	15.65	10.10	2.58	H		0.207	23.17		
		16-QAM	-22.84	14.57	10.10	2.58	H		0.162	22.09		
		64-QAM	-24.15	13.26	10.10	2.58	H		0.120	20.78		
		256-QAM	-26.35	11.06	10.10	2.58	H		0.072	18.58		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain(dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2516.010	Sub6 41/ 40 MHz [30 kHz]	PI/2 BPSK	-22.30	14.19	10.30	2.51	H	< 2.00	0.158	21.98	1	53
		QPSK	-22.34	14.15	10.30	2.51	H		0.156	21.94		
		16-QAM	-23.39	13.10	10.30	2.51	H		0.123	20.89		
		64-QAM	-24.78	11.71	10.30	2.51	H		0.089	19.50		
		256-QAM	-27.00	9.49	10.30	2.51	H		0.054	17.28		
2520.000		PI/2 BPSK	-22.31	14.36	10.00	2.53	H		0.152	21.83	1	53
		QPSK	-22.35	14.32	10.00	2.53	H		0.151	21.79		
		16-QAM	-23.43	13.24	10.00	2.53	H		0.118	20.71		
		64-QAM	-24.82	11.85	10.00	2.53	H		0.086	19.32		
		256-QAM	-27.03	9.64	10.00	2.53	H		0.051	17.11		
2592.990		PI/2 BPSK	-20.73	15.57	10.05	2.50	H		0.205	23.12	1	53
		QPSK	-20.76	15.54	10.05	2.50	H		0.204	23.09		
		16-QAM	-21.81	14.49	10.05	2.50	H		0.160	22.04		
		64-QAM	-23.18	13.12	10.05	2.50	H		0.117	20.67		
		256-QAM	-25.43	10.87	10.05	2.50	H		0.070	18.42		
2670.000		PI/2 BPSK	-21.92	15.20	10.10	2.58	H		0.187	22.72	1	1
		QPSK	-21.98	15.14	10.10	2.58	H		0.184	22.66		
		16-QAM	-23.10	14.02	10.10	2.58	H		0.143	21.54		
		64-QAM	-24.41	12.71	10.10	2.58	H		0.105	20.23		
		256-QAM	-26.68	10.44	10.10	2.58	H		0.063	17.96		

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 41/ 50 MHz [30 kHz]	PI/2 BPSK	-22.32	14.35	10.00	2.53	H	< 2.00	0.152	21.82	1	1
		QPSK	-22.35	14.32	10.00	2.53	H		0.151	21.79		
		16-QAM	-23.36	13.31	10.00	2.53	H		0.120	20.78		
		64-QAM	-24.75	11.92	10.00	2.53	H		0.087	19.39		
		256-QAM	-26.97	9.70	10.00	2.53	H		0.052	17.17		
2525.010		PI/2 BPSK	-22.04	14.22	10.30	2.53	H		0.158	21.99	1	1
		QPSK	-22.08	14.18	10.30	2.53	H		0.157	21.95		
		16-QAM	-23.31	12.95	10.30	2.53	H		0.118	20.72		
		64-QAM	-24.63	11.63	10.30	2.53	H		0.087	19.40		
		256-QAM	-26.83	9.43	10.30	2.53	H		0.053	17.20		
2592.990		PI/2 BPSK	-20.87	15.43	10.05	2.50	H		0.199	22.98	1	66
		QPSK	-20.91	15.39	10.05	2.50	H		0.197	22.94		
		16-QAM	-22.09	14.21	10.05	2.50	H		0.150	21.76		
		64-QAM	-23.25	13.05	10.05	2.50	H		0.115	20.60		
		256-QAM	-25.40	10.90	10.05	2.50	H		0.070	18.45		
2664.990		PI/2 BPSK	-22.12	14.97	10.10	2.60	H		0.177	22.47	1	1
		QPSK	-22.16	14.93	10.10	2.60	H		0.175	22.43		
		16-QAM	-23.29	13.80	10.10	2.60	H		0.135	21.30		
		64-QAM	-24.59	12.50	10.10	2.60	H		0.100	20.00		
		256-QAM	-26.88	10.21	10.10	2.60	H		0.059	17.71		

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	-22.43	13.83	10.30	2.53	H	< 2.00	0.145	21.60	1	1
		QPSK	-22.49	13.77	10.30	2.53	H		0.143	21.54		
		16-QAM	-23.75	12.51	10.30	2.53	H		0.107	20.28		
		64-QAM	-25.00	11.26	10.30	2.53	H		0.080	19.03		
		256-QAM	-27.24	9.02	10.30	2.53	H		0.048	16.79		
2530.020		PI/2 BPSK	-22.33	13.79	10.30	2.52	H		0.144	21.57	1	1
		QPSK	-22.39	13.73	10.30	2.52	H		0.142	21.51		
		16-QAM	-23.55	12.57	10.30	2.52	H		0.108	20.35		
		64-QAM	-24.97	11.15	10.30	2.52	H		0.078	18.93		
		256-QAM	-27.23	8.89	10.30	2.52	H		0.047	16.67		
2592.990		PI/2 BPSK	-20.99	15.31	10.05	2.50	H		0.193	22.86	1	81
		QPSK	-21.04	15.26	10.05	2.50	H		0.191	22.81		
		16-QAM	-22.15	14.15	10.05	2.50	H		0.148	21.70		
		64-QAM	-23.44	12.86	10.05	2.50	H		0.110	20.41		
		256-QAM	-25.68	10.62	10.05	2.50	H		0.066	18.17		
2659.980		PI/2 BPSK	-22.09	14.76	10.10	2.61	H		0.168	22.25	1	1
		QPSK	-22.13	14.72	10.10	2.61	H		0.166	22.21		
		16-QAM	-23.30	13.55	10.10	2.61	H		0.127	21.04		
		64-QAM	-24.66	12.19	10.10	2.61	H		0.093	19.68		
		256-QAM	-26.96	9.89	10.10	2.61	H		0.055	17.38		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain(dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2531.010	Sub6 41/ 70 MHz [30 kHz]	PI/2 BPSK	-22.28	13.84	10.30	2.52	H	< 2.00	0.145	21.62	1	1
		QPSK	-22.50	13.62	10.30	2.52	H		0.138	21.40		
		16-QAM	-23.39	12.73	10.30	2.52	H		0.113	20.51		
		64-QAM	-25.00	11.12	10.30	2.52	H		0.078	18.90		
		256-QAM	-27.01	9.11	10.30	2.52	H		0.049	16.89		
2535.000		PI/2 BPSK	-22.37	13.88	10.30	2.52	H		0.147	21.66	1	1
		QPSK	-22.41	13.84	10.30	2.52	H		0.145	21.62		
		16-QAM	-23.41	12.84	10.30	2.52	H		0.115	20.62		
		64-QAM	-24.95	11.30	10.30	2.52	H		0.081	19.08		
		256-QAM	-27.05	9.20	10.30	2.52	H		0.050	16.98		
2592.990		PI/2 BPSK	-20.82	15.48	10.05	2.50	H		0.201	23.03	1	94
		QPSK	-20.86	15.44	10.05	2.50	H		0.199	22.99		
		16-QAM	-21.96	14.34	10.05	2.50	H		0.155	21.89		
		64-QAM	-23.32	12.98	10.05	2.50	H		0.113	20.53		
		256-QAM	-25.45	10.85	10.05	2.50	H		0.069	18.40		
2655.000		PI/2 BPSK	-21.66	15.10	10.10	2.63	H		0.181	22.57	1	1
		QPSK	-21.75	15.01	10.10	2.63	H		0.177	22.48		
		16-QAM	-22.90	13.86	10.10	2.63	H		0.136	21.33		
		64-QAM	-24.10	12.66	10.10	2.63	H		0.103	20.13		
		256-QAM	-26.33	10.43	10.10	2.63	H		0.062	17.90		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain(dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2536.020	Sub6 41/ 80 MHz [30 kHz]	PI/2 BPSK	-22.39	13.85	10.30	2.52	H	< 2.00	0.146	21.63	1	1
		QPSK	-22.44	13.80	10.30	2.52	H		0.144	21.58		
		16-QAM	-23.54	12.70	10.30	2.52	H		0.112	20.48		
		64-QAM	-24.91	11.33	10.30	2.52	H		0.082	19.11		
		256-QAM	-27.13	9.11	10.30	2.52	H		0.049	16.89		
2540.010		PI/2 BPSK	-22.37	13.99	10.30	2.52	H		0.150	21.77	1	1
		QPSK	-22.41	13.95	10.30	2.52	H		0.149	21.73		
		16-QAM	-23.39	12.97	10.30	2.52	H		0.119	20.75		
		64-QAM	-24.85	11.51	10.30	2.52	H		0.085	19.29		
		256-QAM	-27.10	9.26	10.30	2.52	H		0.051	17.04		
2592.990		PI/2 BPSK	-20.94	15.36	10.05	2.50	H		0.195	22.91	1	108
		QPSK	-20.97	15.33	10.05	2.50	H		0.194	22.88		
		16-QAM	-22.06	14.24	10.05	2.50	H		0.151	21.79		
		64-QAM	-23.36	12.94	10.05	2.50	H		0.112	20.49		
		256-QAM	-25.54	10.76	10.05	2.50	H		0.068	18.31		
2649.990		PI/2 BPSK	-21.45	15.22	10.10	2.65	H		0.185	22.67	1	1
		QPSK	-21.47	15.20	10.10	2.65	H		0.184	22.65		
		16-QAM	-22.59	14.08	10.10	2.65	H		0.142	21.53		
		64-QAM	-23.88	12.79	10.10	2.65	H		0.106	20.24		
		256-QAM	-26.15	10.52	10.10	2.65	H		0.063	17.97		

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
2541.000	Sub6 41/ 90 MHz [30 kHz]	PI/2 BPSK	-22.13	14.23	10.30	2.52	H	< 2.00	0.159	22.01	1	1
		QPSK	-22.16	14.20	10.30	2.52	H		0.158	21.98		
		16-QAM	-23.38	12.98	10.30	2.52	H		0.119	20.76		
		64-QAM	-24.74	11.62	10.30	2.52	H		0.087	19.40		
		256-QAM	-26.97	9.39	10.30	2.52	H		0.052	17.17		
2545.020		PI/2 BPSK	-22.23	14.14	10.25	2.54	H		0.153	21.85	1	1
		QPSK	-22.33	14.04	10.25	2.54	H		0.150	21.75		
		16-QAM	-23.36	13.01	10.25	2.54	H		0.118	20.72		
		64-QAM	-24.78	11.59	10.25	2.54	H		0.085	19.30		
		256-QAM	-26.87	9.50	10.25	2.54	H		0.053	17.21		
2592.990		PI/2 BPSK	-20.69	15.61	10.05	2.50	H		0.207	23.16	1	122
		QPSK	-20.72	15.58	10.05	2.50	H		0.206	23.13		
		16-QAM	-21.91	14.39	10.05	2.50	H		0.156	21.94		
		64-QAM	-23.26	13.04	10.05	2.50	H		0.115	20.59		
		256-QAM	-25.45	10.85	10.05	2.50	H		0.069	18.40		
2644.980		PI/2 BPSK	-21.41	15.40	10.00	2.66	H		0.188	22.74	1	1
		QPSK	-21.46	15.35	10.00	2.66	H		0.186	22.69		
		16-QAM	-22.62	14.19	10.00	2.66	H		0.142	21.53		
		64-QAM	-23.91	12.90	10.00	2.66	H		0.106	20.24		
		256-QAM	-26.12	10.69	10.00	2.66	H		0.064	18.03		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain(dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2546.010	Sub6 41/ 100 MHz [30 kHz]	PI/2 BPSK	-22.27	14.10	10.25	2.54	H	< 2.00	0.152	21.81	1	1
		QPSK	-22.31	14.06	10.25	2.54	H		0.150	21.77		
		16-QAM	-23.45	12.92	10.25	2.54	H		0.116	20.63		
		64-QAM	-24.82	11.55	10.25	2.54	H		0.084	19.26		
		256-QAM	-26.97	9.40	10.25	2.54	H		0.051	17.11		
2550.000		PI/2 BPSK	-22.14	14.23	10.20	2.55	H		0.154	21.88	1	1
		QPSK	-22.17	14.20	10.20	2.55	H		0.153	21.85		
		16-QAM	-23.24	13.13	10.20	2.55	H		0.120	20.78		
		64-QAM	-24.62	11.75	10.20	2.55	H		0.087	19.40		
		256-QAM	-26.88	9.49	10.20	2.55	H		0.052	17.14		
2592.990		PI/2 BPSK	-20.78	15.52	10.05	2.50	H		0.203	23.07	1	136
		QPSK	-20.84	15.46	10.05	2.50	H		0.200	23.01		
		16-QAM	-21.92	14.38	10.05	2.50	H		0.156	21.93		
		64-QAM	-23.32	12.98	10.05	2.50	H		0.113	20.53		
		256-QAM	-25.49	10.81	10.05	2.50	H		0.069	18.36		
2640.000		PI/2 BPSK	-21.49	15.46	9.90	2.67	H		0.186	22.69	1	1
		QPSK	-21.53	15.42	9.90	2.67	H		0.184	22.65		
		16-QAM	-22.55	14.40	9.90	2.67	H		0.146	21.63		
		64-QAM	-23.91	13.04	9.90	2.67	H		0.106	20.27		
		256-QAM	-26.12	10.83	9.90	2.67	H		0.064	18.06		

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	-61.88	10.70	-63.23	3.63	V	-56.16	-25.00	1	22
	7 503.03	-62.58	11.10	-55.57	4.50	V	-48.97	-25.00		
	10 004.04	-62.40	11.20	-53.94	5.26	V	-48.00	-25.00		
	12 505.05	-64.16	12.10	-54.82	6.04	V	-48.76	-25.00		
	15 006.06	-58.27	13.80	-51.67	6.65	V	-44.52	-25.00		
201000 (2505.000)	5 010.00	-61.02	10.70	-62.23	3.59	V	-55.12	-25.00	1	22
	7 515.00	-64.36	11.10	-57.25	4.51	V	-50.66	-25.00		
	10 020.00	-60.44	11.20	-51.35	5.28	V	-45.43	-25.00		
	12 525.00	-62.39	12.10	-52.51	6.02	V	-46.43	-25.00		
	15 030.00	-58.34	13.80	-52.02	6.64	V	-44.86	-25.00		
518598 (2592.990)	5 185.98	-61.86	11.00	-63.36	3.70	H	-56.06	-25.00	1	1
	7 778.97	-65.12	10.90	-57.74	4.61	H	-51.45	-25.00		
	10 371.96	-64.78	11.20	-54.08	5.41	H	-48.29	-25.00		
	12 964.95	-64.54	12.00	-54.61	6.11	H	-48.72	-25.00		
	15 557.94	-62.47	15.40	-57.14	6.77	H	-48.51	-25.00		
537000 (2685.000)	5 370.00	-62.10	11.50	-64.62	3.74	V	-56.86	-25.00	1	12
	8 055.00	-62.94	10.90	-55.73	4.71	V	-49.54	-25.00		
	10 740.00	-64.88	11.10	-54.28	5.50	V	-48.68	-25.00		
	13 425.00	-62.95	11.80	-52.10	6.22	V	-46.52	-25.00		
	16 110.00	-62.81	15.70	-53.67	6.91	V	-44.88	-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	-63.01	10.70	-64.29	3.61	V	-57.20	-25.00	1	36
	7 510.50	-63.75	11.10	-56.68	4.50	V	-50.08	-25.00		
	10 014.00	-63.92	11.20	-55.31	5.27	V	-49.38	-25.00		
	12 517.50	-63.25	12.10	-53.62	6.04	V	-47.56	-25.00		
	15 021.00	-60.71	13.80	-54.23	6.65	V	-47.08	-25.00		
501504 (2507.500)	5 015.00	-60.92	10.70	-62.29	3.57	V	-55.16	-25.00	1	19
	7 522.50	-63.33	11.10	-56.02	4.51	V	-49.43	-25.00		
	10 030.00	-62.67	11.20	-54.11	5.27	V	-48.18	-25.00		
	12 537.50	-63.64	12.10	-53.81	6.00	V	-47.71	-25.00		
	15 045.00	-57.29	13.90	-51.19	6.65	V	-43.94	-25.00		
518598 (2592.990)	5 185.98	-62.66	11.00	-64.16	3.70	V	-56.86	-25.00	1	1
	7 778.97	-63.66	10.90	-56.28	4.61	V	-49.99	-25.00		
	10 371.96	-64.92	11.20	-54.22	5.41	V	-48.43	-25.00		
	12 964.95	-63.83	12.00	-53.90	6.11	V	-48.01	-25.00		
	15 557.94	-61.20	15.40	-55.87	6.77	V	-47.24	-25.00		
536496 (2682.480)	5 364.96	-63.13	11.50	-65.42	3.75	V	-57.67	-25.00	1	1
	8 047.44	-65.19	10.85	-58.01	4.69	V	-51.85	-25.00		
	10 729.92	-65.52	11.10	-54.29	5.47	V	-48.66	-25.00		
	13 412.40	-63.52	11.80	-52.85	6.21	V	-47.26	-25.00		
	16 094.88	-61.53	15.60	-52.07	6.91	V	-43.38	-25.00		

▣ NR Band: n41

▣ Bandwidth: 20 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meters

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
501204 (2506.020)	5 012.04	-61.21	10.70	-62.42	3.59	V	-55.31	-25.00	1	49
	7 518.06	-64.83	11.10	-57.72	4.51	V	-51.13	-25.00		
	10 024.08	-63.40	11.20	-54.58	5.27	V	-48.65	-25.00		
	12 530.10	-63.52	12.10	-53.70	6.01	V	-47.61	-25.00		
	15 036.12	-58.91	13.80	-52.67	6.65	V	-45.52	-25.00		
502002 (2510.010)	5 020.02	-61.24	10.70	-62.77	3.55	V	-55.62	-25.00	1	1
	7 530.03	-63.91	11.10	-56.44	4.50	V	-49.84	-25.00		
	10 040.04	-62.84	11.20	-53.58	5.26	V	-47.64	-25.00		
	12 550.05	-63.60	12.10	-54.28	5.99	V	-48.17	-25.00		
	15 060.06	-57.85	14.00	-52.04	6.65	V	-44.69	-25.00		
518598 (2592.990)	5 185.98	-62.83	11.00	-64.33	3.70	V	-57.03	-25.00	1	1
	7 778.97	-64.59	10.90	-57.21	4.61	V	-50.92	-25.00		
	10 371.96	-65.60	11.20	-54.90	5.41	V	-49.11	-25.00		
	12 964.95	-64.34	12.00	-54.41	6.11	V	-48.52	-25.00		
	15 557.94	-59.09	15.40	-53.76	6.77	V	-45.13	-25.00		
535998 (2679.990)	5 359.98	-62.30	11.50	-64.36	3.76	V	-56.62	-25.00	1	1
	8 039.97	-63.54	10.80	-56.37	4.68	V	-50.25	-25.00		
	10 719.96	-63.11	11.10	-51.48	5.46	V	-45.84	-25.00		
	13 399.95	-63.11	11.80	-52.76	6.22	V	-47.18	-25.00		
	16 079.94	-64.84	15.50	-55.56	6.90	V	-46.96	-25.00		

▣ NR Band: n41

▣ Bandwidth: 25 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meters

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
501702 (2508.510)	5 017.02	-61.09	10.70	-62.46	3.57	V	-55.33	-25.00	1	32
	7 525.53	-65.66	11.10	-58.35	4.51	V	-51.76	-25.00		
	10 034.04	-63.28	11.20	-54.37	5.27	V	-48.44	-25.00		
	12 542.55	-63.94	12.10	-54.35	6.00	V	-48.25	-25.00		
	15 051.06	-56.77	14.00	-50.71	6.66	V	-43.37	-25.00		
502500 (2512.500)	5 025.00	-61.52	10.95	-63.33	3.56	V	-55.94	-25.00	1	1
	7 537.50	-64.43	11.58	-56.95	4.50	V	-49.87	-25.00		
	10 050.00	-61.62	11.70	-53.19	5.27	V	-46.76	-25.00		
	12 562.50	-63.46	12.90	-54.15	6.01	V	-47.26	-25.00		
	15 075.00	-58.96	14.70	-53.71	6.65	V	-45.66	-25.00		
518598 (2592.990)	5 185.98	-62.16	11.00	-63.66	3.70	V	-56.36	-25.00	1	1
	7 778.97	-64.14	10.90	-56.76	4.61	V	-50.47	-25.00		
	10 371.96	-64.99	11.20	-54.29	5.41	V	-48.50	-25.00		
	12 964.95	-63.57	12.00	-53.64	6.11	V	-47.75	-25.00		
	15 557.94	-61.09	15.40	-55.76	6.77	V	-47.13	-25.00		
535500 (2677.500)	5 355.00	-63.41	11.50	-65.27	3.75	V	-57.52	-25.00	1	32
	8 032.50	-63.08	10.80	-56.08	4.65	V	-49.93	-25.00		
	10 710.00	-65.43	11.10	-53.55	5.47	V	-47.92	-25.00		
	13 387.50	-63.53	11.90	-53.31	6.23	V	-47.64	-25.00		
	16 065.00	-65.27	15.50	-56.22	6.90	V	-47.62	-25.00		

▣ NR Band: n41

▣ Bandwidth: 30 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meters

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
502200 (2511.000)	5 022.00	-62.11	10.70	-63.64	3.55	V	-56.49	-25.00	1	39
	7 533.00	-64.93	11.10	-57.45	4.50	V	-50.85	-25.00		
	10 044.00	-63.03	11.15	-54.18	5.27	V	-48.30	-25.00		
	12 555.00	-63.00	12.10	-53.69	6.00	V	-47.59	-25.00		
	15 066.00	-58.64	14.00	-53.03	6.65	V	-45.68	-25.00		
503004 (2515.020)	5 030.04	-62.13	10.70	-64.23	3.56	V	-57.09	-25.00	1	39
	7 545.06	-64.45	11.10	-57.11	4.50	V	-50.51	-25.00		
	10 060.08	-62.80	11.15	-54.06	5.27	V	-48.18	-25.00		
	12 575.10	-63.30	12.10	-53.78	6.05	V	-47.73	-25.00		
	15 090.12	-60.17	14.00	-55.03	6.66	V	-47.69	-25.00		
518598 (2592.990)	5 185.98	-63.04	11.00	-64.54	3.70	V	-57.24	-25.00	1	1
	7 778.97	-63.91	10.90	-56.53	4.61	V	-50.24	-25.00		
	10 371.96	-65.05	11.20	-54.35	5.41	V	-48.56	-25.00		
	12 964.95	-63.67	12.00	-53.74	6.11	V	-47.85	-25.00		
	15 557.94	-62.46	15.40	-57.13	6.77	V	-48.50	-25.00		
534996 (2674.980)	5 349.96	-62.95	11.50	-64.60	3.75	V	-56.85	-25.00	1	1
	8 024.94	-65.20	10.80	-58.49	4.62	V	-52.31	-25.00		
	10 699.92	-62.90	11.10	-51.22	5.48	V	-45.60	-25.00		
	13 374.90	-63.98	11.90	-53.92	6.23	V	-48.25	-25.00		
	16 049.88	-58.67	15.50	-49.82	6.90	V	-41.22	-25.00		

▣ NR Band: n41

▣ Bandwidth: 40 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meters

▣ 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	-61.37	10.70	-63.47	3.56	V	-56.33	-25.00	1	53
	7 548.03	-64.21	11.10	-56.87	4.50	V	-50.27	-25.00		
	10 064.04	-63.36	11.10	-54.55	5.28	V	-48.73	-25.00		
	12 580.05	-65.56	12.10	-55.93	6.06	V	-49.89	-25.00		
	15 096.06	-59.87	14.05	-54.54	6.67	V	-47.16	-25.00		
504000 (2520.000)	5 040.00	-61.36	10.70	-63.33	3.60	V	-56.23	-25.00	1	53
	7 560.00	-64.13	11.10	-57.14	4.51	V	-50.55	-25.00		
	10 080.00	-59.98	11.10	-50.93	5.29	V	-45.12	-25.00		
	12 600.00	-63.57	12.00	-53.85	6.06	V	-47.91	-25.00		
	15 120.00	-58.57	14.10	-52.48	6.68	V	-45.06	-25.00		
518598 (2592.990)	5 185.98	-63.70	11.00	-65.20	3.70	V	-57.90	-25.00	1	53
	7 778.97	-63.92	10.90	-56.54	4.61	V	-50.25	-25.00		
	10 371.96	-65.14	11.20	-54.44	5.41	V	-48.65	-25.00		
	12 964.95	-63.91	12.00	-53.98	6.11	V	-48.09	-25.00		
	15 557.94	-62.13	15.40	-56.80	6.77	V	-48.17	-25.00		
534000 (2670.000)	5 340.00	-62.31	11.40	-64.01	3.75	V	-56.36	-25.00	1	1
	8 010.00	-63.94	10.80	-56.87	4.62	V	-50.69	-25.00		
	10 680.00	-64.65	11.10	-53.19	5.46	V	-47.55	-25.00		
	13 350.00	-64.42	11.90	-54.37	6.21	V	-48.68	-25.00		
	16 020.00	-62.99	15.20	-54.64	6.68	V	-46.12	-25.00		

▣ NR Band: n41

▣ Bandwidth: 50 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meters

▣ 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	-64.18	10.70	-66.15	3.60	V	-59.05	-25.00	1	1
	7 563.06	-66.41	11.10	-59.59	4.52	V	-53.01	-25.00		
	10 084.08	-63.56	11.10	-54.34	5.30	V	-48.54	-25.00		
	12 605.10	-65.66	12.00	-56.16	6.05	V	-50.21	-25.00		
	15 126.12	-60.59	14.10	-54.63	6.67	V	-47.20	-25.00		
505002 (2525.010)	5 050.02	-61.57	10.70	-63.22	3.63	V	-56.15	-25.00	1	1
	7 575.03	-63.77	11.10	-57.05	4.54	V	-50.49	-25.00		
	10 100.04	-61.68	11.10	-52.82	5.29	V	-47.01	-25.00		
	12 625.05	-63.49	12.00	-54.21	6.02	V	-48.23	-25.00		
	15 150.06	-59.44	14.20	-54.14	6.67	V	-46.61	-25.00		
518598 (2592.990)	5 185.98	-62.45	11.00	-63.95	3.70	V	-56.65	-25.00	1	66
	7 778.97	-65.37	10.90	-57.99	4.61	V	-51.70	-25.00		
	10 371.96	-64.23	11.20	-53.53	5.41	V	-47.74	-25.00		
	12 964.95	-63.23	12.00	-53.30	6.11	V	-47.41	-25.00		
	15 557.94	-62.05	15.40	-56.72	6.77	V	-48.09	-25.00		
532998 (2664.990)	5 329.98	-64.16	11.40	-66.13	3.71	V	-58.44	-25.00	1	1
	7 994.97	-63.03	10.75	-55.62	4.66	V	-49.53	-25.00		
	10 659.96	-66.28	11.10	-54.12	5.49	V	-48.51	-25.00		
	13 324.95	-63.90	12.00	-53.19	6.19	V	-47.38	-25.00		
	15 989.94	-65.46	15.10	-57.64	6.88	V	-49.42	-25.00		

▣ NR Band: n41

▣ Bandwidth: 60 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meters

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
505200 (2526.000)	5 052.00	-61.91	10.70	-63.56	3.63	V	-56.49	-25.00	1	1
	7 578.00	-64.97	11.10	-58.18	4.54	V	-51.62	-25.00		
	10 104.00	-64.19	11.10	-55.35	5.29	V	-49.54	-25.00		
	12 630.00	-65.35	12.00	-56.12	6.02	V	-50.14	-25.00		
	15 156.00	-59.39	14.20	-53.90	6.67	V	-46.37	-25.00		
506004 (2530.020)	5 060.04	-61.91	10.70	-62.89	3.65	V	-55.84	-25.00	1	1
	7 590.06	-62.19	11.10	-55.29	4.54	V	-48.73	-25.00		
	10 120.08	-60.11	11.10	-51.50	5.29	V	-45.69	-25.00		
	12 650.10	-61.93	11.90	-52.53	6.03	V	-46.66	-25.00		
	15 180.12	-58.57	14.20	-53.07	6.67	V	-45.54	-25.00		
518598 (2592.990)	5 185.98	-63.95	11.00	-65.45	3.70	V	-58.15	-25.00	1	81
	7 778.97	-64.71	10.90	-57.33	4.61	V	-51.04	-25.00		
	10 371.96	-64.16	11.20	-53.46	5.41	V	-47.67	-25.00		
	12 964.95	-65.10	12.00	-55.17	6.11	V	-49.28	-25.00		
	15 557.94	-61.45	15.40	-56.12	6.77	V	-47.49	-25.00		
531996 (2659.980)	5 319.96	-63.52	11.40	-66.26	3.66	V	-58.52	-25.00	1	1
	7 979.94	-63.01	10.70	-55.76	4.67	V	-49.73	-25.00		
	10 639.92	-65.02	11.20	-53.59	5.49	V	-47.88	-25.00		
	13 299.90	-65.17	12.00	-55.02	6.19	V	-49.21	-25.00		
	15 959.88	-65.14	15.10	-56.48	6.87	V	-48.25	-25.00		

▣ NR Band: n41

▣ Bandwidth: 70 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meters

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
506202 (2531.010)	5 062.02	-63.13	10.70	-64.11	3.65	V	-57.06	-25.00	1	1
	7 593.03	-65.79	11.15	-58.75	4.53	V	-52.13	-25.00		
	10 124.04	-63.23	11.10	-54.35	5.30	V	-48.55	-25.00		
	12 655.05	-63.45	11.90	-53.94	6.03	V	-48.07	-25.00		
	15 186.06	-59.19	14.20	-53.94	6.67	V	-46.41	-25.00		
507000 (2535.000)	5 070.00	-60.35	10.70	-61.63	3.62	V	-54.55	-25.00	1	1
	7 605.00	-63.56	11.20	-56.55	4.52	V	-49.87	-25.00		
	10 140.00	-62.38	11.10	-52.72	5.31	V	-46.93	-25.00		
	12 675.00	-63.06	11.90	-53.21	6.05	V	-47.36	-25.00		
	15 210.00	-58.46	14.40	-53.74	6.67	V	-46.01	-25.00		
518598 (2592.990)	5 185.98	-62.64	11.00	-64.14	3.70	V	-56.84	-25.00	1	94
	7 778.97	-61.83	10.90	-54.45	4.61	V	-48.16	-25.00		
	10 371.96	-63.61	11.20	-52.91	5.41	V	-47.12	-25.00		
	12 964.95	-64.52	12.00	-54.59	6.11	V	-48.70	-25.00		
	15 557.94	-61.23	15.40	-55.90	6.77	V	-47.27	-25.00		
531000 (2655.000)	5 310.00	-62.63	11.40	-64.87	3.65	V	-57.12	-25.00	1	1
	7 965.00	-62.53	10.70	-55.36	4.65	V	-49.31	-25.00		
	10 620.00	-65.37	11.20	-54.68	5.41	V	-48.89	-25.00		
	13 275.00	-64.37	12.10	-54.04	6.22	V	-48.16	-25.00		
	15 930.00	-64.70	15.00	-56.43	6.88	V	-48.31	-25.00		

▣ NR Band: n41

▣ Bandwidth: 80 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meters

▣ 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	-62.63	10.70	-63.91	3.62	V	-56.83	-25.00	1	1
	7 608.06	-62.69	11.20	-55.68	4.52	V	-49.00	-25.00		
	10 144.08	-65.19	11.05	-55.72	5.32	V	-49.99	-25.00		
	12 680.10	-64.58	11.90	-54.37	6.06	V	-48.53	-25.00		
	15 216.12	-61.54	14.40	-56.58	6.69	V	-48.87	-25.00		
508002 (2540.010)	5 080.02	-62.14	10.70	-63.78	3.61	V	-56.69	-25.00	1	1
	7 620.03	-63.71	11.20	-57.24	4.52	V	-50.56	-25.00		
	10 160.04	-62.98	11.00	-53.52	5.33	V	-47.85	-25.00		
	12 700.05	-63.38	11.90	-52.63	6.06	V	-46.79	-25.00		
	15 240.06	-59.66	14.40	-53.76	6.74	V	-46.10	-25.00		
518598 (2592.990)	5 185.98	-62.01	11.00	-63.51	3.70	V	-56.21	-25.00	1	108
	7 778.97	-63.55	10.90	-56.17	4.61	V	-49.88	-25.00		
	10 371.96	-65.10	11.20	-54.40	5.41	V	-48.61	-25.00		
	12 964.95	-64.26	12.00	-54.33	6.11	V	-48.44	-25.00		
	15 557.94	-61.74	15.40	-56.41	6.77	V	-47.78	-25.00		
529998 (2649.990)	5 299.98	-62.70	11.40	-64.81	3.69	V	-57.10	-25.00	1	1
	7 949.97	-65.60	10.70	-58.29	4.64	V	-52.23	-25.00		
	10 599.96	-64.82	11.20	-53.63	5.41	V	-47.84	-25.00		
	13 249.95	-64.49	12.10	-54.43	6.18	V	-48.51	-25.00		
	15 899.94	-61.53	15.00	-53.70	6.87	V	-45.57	-25.00		

▣ NR Band: n41

▣ Bandwidth: 90 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meters

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
508200 (2541.000)	5 082.00	-62.96	10.70	-64.60	3.61	V	-57.51	-25.00	1	1
	7 623.00	-65.96	11.20	-59.56	4.52	V	-52.88	-25.00		
	10 164.00	-65.16	11.00	-56.08	5.33	V	-50.41	-25.00		
	12 705.00	-64.93	11.90	-54.41	6.06	V	-48.57	-25.00		
	15 246.00	-60.58	14.50	-54.70	6.73	V	-46.93	-25.00		
509004 (2545.020)	5 090.04	-62.33	10.70	-64.48	3.64	H	-57.42	-25.00	1	1
	7 635.06	-63.77	11.20	-57.38	4.53	V	-50.71	-25.00		
	10 180.08	-62.39	11.00	-52.77	5.33	H	-47.10	-25.00		
	12 725.10	-62.46	11.90	-51.96	6.03	H	-46.09	-25.00		
	15 270.12	-59.57	14.60	-53.78	6.72	H	-45.90	-25.00		
518598 (2592.990)	5 185.98	-63.30	11.00	-64.80	3.70	V	-57.50	-25.00	1	122
	7 778.97	-65.13	10.90	-57.75	4.61	V	-51.46	-25.00		
	10 371.96	-64.07	11.20	-53.37	5.41	V	-47.58	-25.00		
	12 964.95	-63.73	12.00	-53.80	6.11	V	-47.91	-25.00		
	15 557.94	-62.44	15.40	-57.11	6.77	V	-48.48	-25.00		
528996 (2644.980)	5 289.96	-62.63	11.30	-64.10	3.73	V	-56.53	-25.00	1	1
	7 934.94	-65.91	10.70	-58.56	4.64	V	-52.50	-25.00		
	10 579.92	-64.07	11.20	-53.62	5.46	V	-47.88	-25.00		
	13 224.90	-65.71	12.10	-55.68	6.16	V	-49.74	-25.00		
	15 869.88	-63.38	14.90	-56.63	6.85	V	-48.58	-25.00		

▣ NR Band: n41

▣ Bandwidth: 100 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meters

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
509202 (2546.010)	5 092.02	-62.78	10.70	-64.93	3.64	H	-57.87	-25.00	1	1
	7 638.03	-66.22	11.20	-59.83	4.53	H	-53.16	-25.00		
	10 184.04	-63.48	11.00	-54.02	5.33	H	-48.35	-25.00		
	12 730.05	-66.10	11.90	-55.65	6.02	H	-49.77	-25.00		
	15 276.06	-59.71	14.60	-53.84	6.71	H	-45.95	-25.00		
510000 (2550.000)	5 100.00	-59.86	10.80	-61.76	3.66	H	-54.62	-25.00	1	1
	7 650.00	-63.20	11.10	-56.35	4.53	V	-49.78	-25.00		
	10 200.00	-64.12	11.00	-53.69	5.33	V	-48.02	-25.00		
	12 750.00	-64.72	11.80	-53.76	6.04	V	-48.00	-25.00		
	15 300.00	-58.69	14.90	-52.59	6.72	H	-44.41	-25.00		
518598 (2592.990)	5 185.98	-63.27	11.00	-64.77	3.70	V	-57.47	-25.00	1	136
	7 778.97	-57.63	10.90	-50.25	4.61	H	-43.96	-25.00		
	10 371.96	-66.18	11.20	-55.48	5.41	V	-49.69	-25.00		
	12 964.95	-64.18	12.00	-54.25	6.11	V	-48.36	-25.00		
	15 557.94	-64.26	15.40	-58.93	6.77	V	-50.30	-25.00		
528000 (2640.000)	5 280.00	-63.73	11.30	-65.64	3.75	V	-58.09	-25.00	1	1
	7 920.00	-58.33	10.70	-51.15	4.63	V	-45.08	-25.00		
	10 560.00	-65.18	11.20	-55.27	5.45	V	-49.52	-25.00		
	13 200.00	-65.67	12.10	-55.23	6.19	V	-49.32	-25.00		
	15 840.00	-64.74	14.90	-57.63	6.84	V	-49.57	-25.00		

8.3 PEAK-TO-AVERAGE RATIO

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (dB)
Sub6 n41	10 MHz	2592.990	BPSK	24	0	4.23
			QPSK			5.47
			16-QAM			6.26
			64-QAM			6.62
			256-QAM			6.53
	15 MHz		BPSK	36		4.28
			QPSK			5.50
			16-QAM			6.26
			64-QAM			6.61
			256-QAM			6.67
	20 MHz		BPSK	50		4.44
			QPSK			5.51
			16-QAM			6.21
			64-QAM			6.48
			256-QAM			6.73
	25 MHz		BPSK	64		4.41
			QPSK			4.98
			16-QAM			6.09
			64-QAM			6.43
			256-QAM			6.77
	30 MHz		BPSK	75		4.30
			QPSK			5.02
			16-QAM			6.10
			64-QAM			6.45
			256-QAM			6.81
	40 MHz		BPSK	100		4.01
			QPSK			5.20
			16-QAM			6.20
			64-QAM			6.48
			256-QAM			6.63
	50 MHz		BPSK	128		4.22
			QPSK			5.31
			16-QAM			6.17
			64-QAM			6.40
			256-QAM			6.68
	60 MHz		BPSK	162		4.07
			QPSK			5.28
			16-QAM			6.19
			64-QAM			6.44
			256-QAM			6.74
	70 MHz		BPSK	180		4.02
			QPSK			5.25
			16-QAM			6.11
			64-QAM			6.40
			256-QAM			6.70
	80 MHz		BPSK	216		3.92
			QPSK			5.11
			16-QAM			6.06
			64-QAM			6.36
			256-QAM			6.71
	90 MHz		BPSK	243		3.88
			QPSK			5.16
			16-QAM			6.05
			64-QAM			6.32
			256-QAM			6.75
	100 MHz		BPSK	270		4.22
			QPSK			5.31
			16-QAM			6.13
			64-QAM			6.39
			256-QAM			6.72

Note:
1. Plots of the EUT's Peak- to- Average Ratio are shown Page 174 ~ 233.

8.4 OCCUPIED BANDWIDTH

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (MHz)
Sub6 n41	10 MHz	2592.990	BPSK	24	0	8.6381
			QPSK			8.6316
			16-QAM			8.6897
			64-QAM			8.6409
			256-QAM			8.6642
	15 MHz		BPSK	36		12.949
			QPSK			12.963
			16-QAM			12.989
			64-QAM			13.002
			256-QAM			12.952
	20 MHz		BPSK	50		17.992
			QPSK			17.971
			16-QAM			17.950
			64-QAM			17.938
			256-QAM			17.910
	25 MHz		BPSK	64		23.009
			QPSK			22.964
			16-QAM			23.031
			64-QAM			23.041
			256-QAM			23.008
	30 MHz		BPSK	75		26.955
			QPSK			26.914
			16-QAM			26.924
			64-QAM			26.919
			256-QAM			26.944
	40 MHz		BPSK	100		35.915
			QPSK			35.897
			16-QAM			35.826
			64-QAM			35.834
			256-QAM			35.799
	50 MHz		BPSK	128		45.916
			QPSK			45.918
			16-QAM			45.853
			64-QAM			45.917
			256-QAM			45.876
	60 MHz		BPSK	162		58.022
			QPSK			58.040
			16-QAM			58.024
			64-QAM			57.906
			256-QAM			58.082
	70 MHz		BPSK	180		64.576
			QPSK			64.557
			16-QAM			64.502
			64-QAM			64.533
			256-QAM			64.553
	80 MHz		BPSK	216		77.560
			QPSK			77.220
			16-QAM			77.319
			64-QAM			77.155
			256-QAM			77.410
	90 MHz		BPSK	243		87.101
			QPSK			87.050
			16-QAM			86.821
			64-QAM			86.956
			256-QAM			86.826
	100 MHz		BPSK	270		96.713
			QPSK			96.874
			16-QAM			96.503
			64-QAM			96.650
			256-QAM			97.112

Note:
1. Plots of the EUT's Occupied Bandwidth are shown Page 114 ~ 173.

8.5 CONDUCTED SPURIOUS EMISSIONS

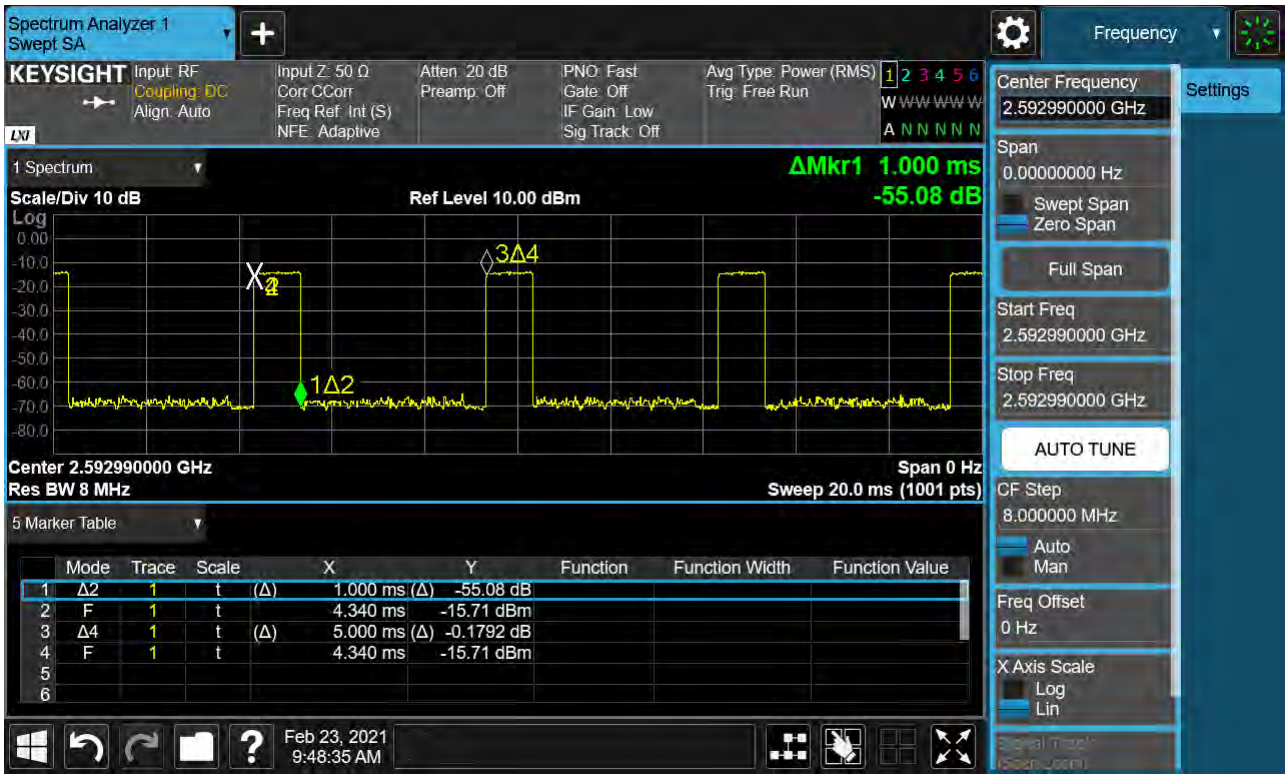
Band	Band Width (MHz)	Frequency (MHz)	Frequency of Maximum Harmonic (GHz)	Factor (dB)	Measurement Maximum Data (dBm)	Result (dBm)	Limit (dBm)
Sub6 n41	10	2501.010	4.9831	37.190	-70.496	-33.306	-25.00
		2505.000	4.0589	37.190	-70.272	-33.082	
		2592.990	7.1531	37.805	-70.666	-32.861	
		2685.000	8.8345	37.805	-71.359	-33.554	
	15	2503.500	4.0718	37.190	-71.351	-34.161	
		2507.520	3.7767	37.190	-70.688	-33.498	
		2592.990	9.9377	37.805	-71.572	-33.767	
		2682.480	7.9726	37.805	-70.427	-32.622	
	20	2506.020	9.6894	37.805	-71.144	-33.339	
		2510.010	5.2069	37.805	-71.353	-33.548	
		2592.990	8.6740	37.805	-71.255	-33.450	
		2679.990	9.6740	37.805	-70.774	-32.969	
	25	2508.480	8.0025	37.805	-70.321	-32.516	
		2512.500	4.9572	37.190	-71.286	-34.096	
		2592.990	8.2692	37.805	-71.004	-33.199	
		2677.500	8.0160	37.805	-70.393	-32.588	
	30	2511.000	9.6825	37.805	-70.919	-33.114	
		2515.000	4.5634	37.190	-70.416	-33.226	
		2592.990	6.0190	37.805	-71.152	-33.347	
		2674.980	8.0175	37.805	-71.124	-33.319	
	40	2516.010	4.0594	37.190	-70.210	-33.020	
		2520.000	9.6939	37.805	-69.851	-32.046	
		2592.990	3.7997	37.190	-70.717	-33.527	
		2670.000	4.0230	37.190	-70.608	-33.418	
	50	2521.020	8.3011	37.805	-70.628	-32.823	
		2525.010	3.8061	37.190	-70.658	-33.468	
		2592.990	3.7264	37.190	-70.274	-33.084	
		2664.990	3.8331	37.190	-70.919	-33.729	
	60	2526.000	9.9397	37.805	-70.200	-32.395	
		2530.020	3.8066	37.190	-70.849	-33.659	
		2592.990	4.5878	37.190	-70.862	-33.672	
		2659.980	4.9681	37.190	-70.771	-33.581	
	70	2531.010	3.3311	37.190	-70.490	-33.300	
		2535.000	4.0449	37.190	-71.319	-34.129	
		2592.990	8.0195	37.805	-70.320	-32.515	
		2655.000	8.2617	37.805	-70.536	-32.731	
	80	2536.020	3.7987	37.190	-71.074	-33.884	
		2540.010	8.2901	37.805	-70.451	-32.646	
		2592.990	3.0524	37.190	-69.607	-32.417	
		2649.990	4.0160	37.190	-70.208	-33.018	
	90	2541.000	3.7603	37.190	-70.810	-33.620	
		2545.020	9.0867	37.805	-70.862	-33.057	
		2592.990	9.9462	37.805	-70.681	-32.876	
		2644.980	5.2019	37.805	-70.272	-32.467	
	100	2546.010	3.2932	37.190	-70.516	-33.326	
		2550.000	3.7817	37.190	-71.213	-34.023	
		2592.990	4.0349	37.190	-70.796	-33.606	
		2640.000	3.2079	37.190	-71.213	-34.023	

Note:

1. Plots of the EUT's Conducted Spurious Emissions are shown Page 366 ~ 461.

2. Duty Cycle factor already applied on the factor.

- Duty Cycle Factor(dB) = 6.99



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

- Result(dBm) = Reading + Factor

3. Factor(dB)

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

8.6 CHANNEL EDGE

BW (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	-22.09	-22.42	-27.88	-26.78	-33.33	-29.61	-36.54
	2505.000	BPSK	Full RB	-24.15	-22.79	-31.95	-28.58	-41.24	-32.53	-37.84
15	2503.500	BPSK	Full RB	-23.79	-30.05	-29.93	-32.68	-31.72	-31.20	-39.77
	2507.520	BPSK	Full RB	-22.48	-32.25	-32.97	-33.37	-35.69	-32.57	-39.23
20	2506.020	BPSK	Full RB	-24.08	-25.51	-26.85	-24.82	-33.55	-32.20	-36.25
	2510.010	BPSK	Full RB	-24.61	-26.79	-34.63	-26.27	-36.63	-34.08	-37.04
25	2508.480	BPSK	Full RB	-21.83	-23.75	-25.75	-25.62	-34.38	-33.02	-38.36
	2512.500	BPSK	Full RB	-23.57	-23.86	-31.67	-31.11	-35.05	-33.02	-40.14
30	2511.000	BPSK	Full RB	-26.17	-31.64	-32.03	-31.37	-36.58	-33.55	-41.68
	2515.000	BPSK	Full RB	-26.36	-33.11	-32.93	-32.51	-33.98	-33.51	-40.40
40	2520.000	BPSK	Full RB	-24.90	-26.78	-27.35	-27.92	-33.55	-31.55	-41.89
	2520.000	BPSK	Full RB	-23.08	-24.61	-30.02	-25.94	-36.59	-30.43	-40.70
50	2525.010	BPSK	Full RB	-26.96	-33.71	-34.49	-35.19	-37.67	-36.01	-44.61
	2525.010	BPSK	Full RB	-27.09	-33.31	-36.33	-34.75	-38.29	-36.83	-43.99
60	2530.020	BPSK	Full RB	-19.24	-20.08	-32.55	-32.09	-32.85	-30.41	-43.47
	2530.020	BPSK	Full RB	-18.41	-19.68	-29.10	-25.80	-34.40	-28.59	-40.80
70	2531.010	BPSK	Full RB	-24.51	-34.12	-31.20	-35.41	-33.07	-35.85	-46.30
	2535.000	BPSK	Full RB	-24.03	-35.48	-33.50	-37.13	-34.84	-36.69	-45.86
80	2540.010	BPSK	Full RB	-23.61	-26.96	-27.86	-29.34	-29.34	-30.45	-41.72
	2540.010	BPSK	Full RB	-23.96	-28.33	-32.79	-32.14	-33.02	-32.54	-43.68
90	2545.020	BPSK	Full RB	-21.88	-29.99	-28.15	-30.18	-27.57	-29.79	-40.93
	2545.020	BPSK	Full RB	-21.87	-28.82	-26.92	-28.41	-33.65	-30.07	-42.44
100	2550.000	BPSK	Full RB	-20.23	-28.34	-28.25	-29.33	-28.06	-29.53	-42.12
	2550.000	BPSK	Full RB	-20.46	-33.98	-31.92	-34.54	-34.87	-34.73	-46.85
Limit (dBm)				-13.0	-10.0	-13.0	-10.0	-25.0	-13.0	-25.0

Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resoure Block Offset	C.E ~ (C.E ± 1 MHz)		(C.E ± 1 MHz) ~ (C.E ± 5 MHz)	
					Lower	Upper	Lower	Upper
10 MHz	2592.990	BPSK	Full RB	0	-23.51	-24.31	-28.44	-28.91
	2685.000	BPSK	Full RB	0	-20.67	-25.03	-23.06	-26.54
15 MHz	2592.990	BPSK	Full RB	0	-22.47	-31.97	-28.96	-30.08
	2682.480	BPSK	Full RB	0	-21.63	-29.95	-24.96	-29.07
20 MHz	2592.990	BPSK	Full RB	0	-25.04	-28.83	-29.38	-31.38
	2679.990	BPSK	Full RB	0	-22.80	-28.26	-24.76	-29.57
25 MHz	2592.990	BPSK	Full RB	0	-23.69	-28.23	-31.22	-33.06
	2677.500	BPSK	Full RB	0	-23.31	-28.18	-25.34	-30.21
30 MHz	2592.990	BPSK	Full RB	0	-23.10	-30.76	-27.68	-25.65
	2679.990	BPSK	Full RB	0	-23.65	-29.70	-25.81	-30.94
40 MHz	2592.990	BPSK	Full RB	0	-25.65	-32.43	-33.59	-36.25
	2670.000	BPSK	Full RB	0	-22.09	-26.76	-25.86	-26.91
50 MHz	2592.990	BPSK	Full RB	0	-26.08	-32.11	-32.92	-33.98
	2664.990	BPSK	Full RB	0	-23.25	-30.77	-28.46	-32.55
60 MHz	2592.990	BPSK	Full RB	0	-18.12	-19.36	-25.50	-25.48
	2659.980	BPSK	Full RB	0	-17.26	-20.56	-27.63	-29.52
70 MHz	2592.990	BPSK	Full RB	0	-24.85	-32.37	-33.44	-33.59
	2655.000	BPSK	Full RB	0	-22.33	-29.66	-29.19	-29.54
80 MHz	2592.990	BPSK	Full RB	0	-22.34	-30.35	-33.67	-33.23
	2649.990	BPSK	Full RB	0	-21.74	-29.16	-30.95	-32.06
90 MHz	2592.990	BPSK	Full RB	0	-20.45	-30.90	-32.84	-32.65
	2644.980	BPSK	Full RB	0	-21.26	-30.78	-29.56	-32.04
100 MHz	2592.990	BPSK	Full RB	0	-19.24	-34.13	-33.75	-34.23
	2640.000	BPSK	Full RB	0	-20.38	-31.83	-31.42	-32.07
Limit (dBm)					-10.0		-10.0	

Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resoure Block Offset	(C.E ± 5 MHz) ~ (C.E ± X MHz)		Above (C.E ± X MHz)	
					Lower	Upper	Lower	Upper
10 MHz	2592.990	BPSK	Full RB	0	-32.20	-31.75	-38.44	-36.49
	2685.000	BPSK	Full RB	0	-24.77	-28.98	-35.71	-35.97
15 MHz	2592.990	BPSK	Full RB	0	-28.51	-29.35	-39.42	-36.34
	2682.480	BPSK	Full RB	0	-23.62	-28.68	-38.78	-37.71
20 MHz	2592.990	BPSK	Full RB	0	-29.59	-29.98	-40.11	-36.36
	2679.990	BPSK	Full RB	0	-25.43	-29.21	-38.65	-43.34
25 MHz	2592.990	BPSK	Full RB	0	-33.68	-32.92	-46.20	-40.56
	2677.500	BPSK	Full RB	0	-26.55	-30.72	-42.84	-47.27
30 MHz	2592.990	BPSK	Full RB	0	-30.15	-32.28	-41.18	-36.59
	2679.990	BPSK	Full RB	0	-28.14	-30.59	-42.52	-47.79
40 MHz	2592.990	BPSK	Full RB	0	-35.08	-34.90	-47.10	-42.46
	2670.000	BPSK	Full RB	0	-28.58	-29.82	-38.19	-47.70
50 MHz	2592.990	BPSK	Full RB	0	-35.11	-33.98	-47.09	-40.59
	2664.990	BPSK	Full RB	0	-30.63	-32.11	-43.37	-47.86
60 MHz	2592.990	BPSK	Full RB	0	-31.65	-29.89	-43.14	-37.77
	2659.980	BPSK	Full RB	0	-28.86	-31.00	-44.89	-48.15
70 MHz	2592.990	BPSK	Full RB	0	-34.95	-34.27	-42.67	-41.32
	2655.000	BPSK	Full RB	0	-28.12	-29.22	-39.31	-43.21
80 MHz	2592.990	BPSK	Full RB	0	-32.64	-32.98	-43.25	-42.22
	2649.990	BPSK	Full RB	0	-30.34	-30.99	-41.30	-43.33
90 MHz	2592.990	BPSK	Full RB	0	-34.18	-33.48	-43.47	-43.12
	2644.980	BPSK	Full RB	0	-31.03	-32.93	-41.75	-43.20
100 MHz	2592.990	BPSK	Full RB	0	-33.69	-33.44	-43.64	-43.16
	2640.000	BPSK	Full RB	0	-29.17	-31.33	-41.00	-43.40
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 234 ~ 365. (1RB & Full RB)

8.7 FREQUENCY STABILITY / VARIATION OF AMBIENT TEMPERATURE

▣ BandWidth: 10 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy (MHz)	Voltage (%)	Temp. (℃)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
2501.010	100 %	+20(Ref)	2501 009 998	0.0	0.000 000	0.000
	100 %	-30	2501 009 999	0.8	0.000 000	0.000
	100 %	-20	2501 009 994	-4.5	0.000 000	-0.002
	100 %	-10	2501 009 998	-0.5	0.000 000	0.000
	100 %	0	2501 009 997	-1.0	0.000 000	0.000
	100 %	+10	2501 009 996	-2.2	0.000 000	-0.001
	100 %	+30	2501 009 996	-2.0	0.000 000	-0.001
	100 %	+40	2501 009 996	-2.5	0.000 000	-0.001
	100 %	+50	2501 009 994	-4.1	0.000 000	-0.002
	Batt. Endpoint	+20	2501 009 994	-4.3	0.000 000	-0.002
2505.000	100 %	+20(Ref)	2504 999 985	0.0	0.000 000	0.000
	100 %	-30	2504 999 974	-11.6	0.000 000	-0.005
	100 %	-20	2504 999 973	-12.3	0.000 000	-0.005
	100 %	-10	2504 999 976	-9.1	0.000 000	-0.004
	100 %	0	2504 999 971	-14.3	-0.000 001	-0.006
	100 %	+10	2504 999 976	-8.8	0.000 000	-0.004
	100 %	+30	2504 999 972	-12.9	-0.000 001	-0.005
	100 %	+40	2504 999 967	-17.8	-0.000 001	-0.007
	100 %	+50	2504 999 973	-12.2	0.000 000	-0.005
	Batt. Endpoint	+20	2504 999 972	-13.5	-0.000 001	-0.005
2685.000	100 %	+20(Ref)	2684 999 993	0.0	0.000 000	0.000
	100 %	-30	2684 999 988	-4.5	0.000 000	-0.002
	100 %	-20	2684 999 990	-2.6	0.000 000	-0.001
	100 %	-10	2684 999 992	-0.8	0.000 000	0.000
	100 %	0	2684 999 992	-1.3	0.000 000	0.000
	100 %	+10	2684 999 994	1.3	0.000 000	0.000
	100 %	+30	2684 999 993	0.3	0.000 000	0.000
	100 %	+40	2684 999 990	-3.4	0.000 000	-0.001
	100 %	+50	2684 999 990	-2.8	0.000 000	-0.001
	Batt. Endpoint	+20	2684 999 989	-4.4	0.000 000	-0.002

▣ BandWidth: 15 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy (MHz)	Voltage (%)	Temp. (℃)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
2503.500	100 %	+20(Ref)	2503 499 994	0.0	0.000 000	0.000
	100 %	-30	2503 499 987	-6.8	0.000 000	-0.003
	100 %	-20	2503 499 993	-0.4	0.000 000	0.000
	100 %	-10	2503 499 992	-2.3	0.000 000	-0.001
	100 %	0	2503 499 988	-6.2	0.000 000	-0.002
	100 %	+10	2503 499 991	-3.0	0.000 000	-0.001
	100 %	+30	2503 499 992	-1.8	0.000 000	-0.001
	100 %	+40	2503 499 993	-1.0	0.000 000	0.000
	100 %	+50	2503 499 988	-5.4	0.000 000	-0.002
	Batt. Endpoint	+20	2503 499 992	-1.5	0.000 000	-0.001
2507.520	100 %	+20(Ref)	2507 519 994	0.0	0.000 000	0.000
	100 %	-30	2507 519 983	-11.0	0.000 000	-0.004
	100 %	-20	2507 519 988	-6.6	0.000 000	-0.003
	100 %	-10	2507 519 986	-8.0	0.000 000	-0.003
	100 %	0	2507 519 989	-5.1	0.000 000	-0.002
	100 %	+10	2507 519 988	-5.9	0.000 000	-0.002
	100 %	+30	2507 519 989	-4.9	0.000 000	-0.002
	100 %	+40	2507 519 984	-10.2	0.000 000	-0.004
	100 %	+50	2507 519 986	-8.2	0.000 000	-0.003
	Batt. Endpoint	+20	2507 519 986	-7.9	0.000 000	-0.003
2682.480	100 %	+20(Ref)	2682 479 995	0.0	0.000 000	0.000
	100 %	-30	2682 479 988	-6.6	0.000 000	-0.002
	100 %	-20	2682 479 991	-3.8	0.000 000	-0.001
	100 %	-10	2682 479 992	-3.1	0.000 000	-0.001
	100 %	0	2682 479 989	-5.6	0.000 000	-0.002
	100 %	+10	2682 479 989	-6.0	0.000 000	-0.002
	100 %	+30	2682 479 993	-2.0	0.000 000	-0.001
	100 %	+40	2682 479 990	-5.1	0.000 000	-0.002
	100 %	+50	2682 479 990	-4.9	0.000 000	-0.002
	Batt. Endpoint	+20	2682 479 989	-6.5	0.000 000	-0.002

▣ BandWidth: 20 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy (MHz)	Voltage (%)	Temp. (℃)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
2506.020	100 %	+20(Ref)	2506 019 998	0.0	0.000 000	0.000
	100 %	-30	2506 019 996	-2.1	0.000 000	-0.001
	100 %	-20	2506 019 996	-1.8	0.000 000	-0.001
	100 %	-10	2506 019 996	-1.6	0.000 000	-0.001
	100 %	0	2506 019 996	-2.4	0.000 000	-0.001
	100 %	+10	2506 019 994	-4.5	0.000 000	-0.002
	100 %	+30	2506 019 997	-1.0	0.000 000	0.000
	100 %	+40	2506 019 993	-4.8	0.000 000	-0.002
	100 %	+50	2506 019 993	-5.2	0.000 000	-0.002
	Batt. Endpoint	+20	2506 019 995	-2.8	0.000 000	-0.001
2510.010	100 %	+20(Ref)	2510 009 991	0.0	0.000 000	0.000
	100 %	-30	2510 009 987	-3.7	0.000 000	-0.001
	100 %	-20	2510 009 977	-13.3	-0.000 001	-0.005
	100 %	-10	2510 009 980	-11.2	0.000 000	-0.004
	100 %	0	2510 009 979	-11.8	0.000 000	-0.005
	100 %	+10	2510 009 983	-8.2	0.000 000	-0.003
	100 %	+30	2510 009 980	-10.7	0.000 000	-0.004
	100 %	+40	2510 009 984	-6.9	0.000 000	-0.003
	100 %	+50	2510 009 980	-10.4	0.000 000	-0.004
	Batt. Endpoint	+20	2510 009 984	-6.7	0.000 000	-0.003
2679.990	100 %	+20(Ref)	2679 989 995	0.0	0.000 000	0.000
	100 %	-30	2679 989 990	-5.3	0.000 000	-0.002
	100 %	-20	2679 989 988	-7.0	0.000 000	-0.003
	100 %	-10	2679 989 989	-5.9	0.000 000	-0.002
	100 %	0	2679 989 991	-3.8	0.000 000	-0.001
	100 %	+10	2679 989 992	-3.0	0.000 000	-0.001
	100 %	+30	2679 989 990	-5.5	0.000 000	-0.002
	100 %	+40	2679 989 991	-4.1	0.000 000	-0.002
	100 %	+50	2679 989 987	-8.4	0.000 000	-0.003
	Batt. Endpoint	+20	2679 989 992	-2.9	0.000 000	-0.001

▣ BandWidth: 25 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy (MHz)	Voltage (%)	Temp. (℃)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
2508.480	100 %	+20(Ref)	2508 479 989	0.0	0.000 000	0.000
	100 %	-30	2508 479 979	-10.2	0.000 000	-0.004
	100 %	-20	2508 479 975	-14.1	-0.000 001	-0.006
	100 %	-10	2508 479 976	-13.0	-0.000 001	-0.005
	100 %	0	2508 479 974	-14.8	-0.000 001	-0.006
	100 %	+10	2508 479 977	-12.6	-0.000 001	-0.005
	100 %	+30	2508 479 979	-10.7	0.000 000	-0.004
	100 %	+40	2508 479 976	-13.7	-0.000 001	-0.005
	100 %	+50	2508 479 974	-15.1	-0.000 001	-0.006
	Batt. Endpoint	+20	2508 479 979	-10.3	0.000 000	-0.004
2512.500	100 %	+20(Ref)	2512 499 991	0.0	0.000 000	0.000
	100 %	-30	2512 499 979	-12.2	0.000 000	-0.005
	100 %	-20	2512 499 979	-11.8	0.000 000	-0.005
	100 %	-10	2512 499 979	-12.1	0.000 000	-0.005
	100 %	0	2512 499 982	-8.8	0.000 000	-0.004
	100 %	+10	2512 499 978	-12.7	-0.000 001	-0.005
	100 %	+30	2512 499 977	-13.5	-0.000 001	-0.005
	100 %	+40	2512 499 979	-11.4	0.000 000	-0.005
	100 %	+50	2512 499 981	-10.0	0.000 000	-0.004
	Batt. Endpoint	+20	2512 499 979	-11.4	0.000 000	-0.005
2677.500	100 %	+20(Ref)	2677 499 990	0.0	0.000 000	0.000
	100 %	-30	2677 499 979	-11.1	0.000 000	-0.004
	100 %	-20	2677 499 974	-15.8	-0.000 001	-0.006
	100 %	-10	2677 499 975	-15.1	-0.000 001	-0.006
	100 %	0	2677 499 980	-10.2	0.000 000	-0.004
	100 %	+10	2677 499 980	-10.1	0.000 000	-0.004
	100 %	+30	2677 499 979	-11.4	0.000 000	-0.004
	100 %	+40	2677 499 979	-11.2	0.000 000	-0.004
	100 %	+50	2677 499 974	-15.8	-0.000 001	-0.006
	Batt. Endpoint	+20	2677 499 981	-9.5	0.000 000	-0.004

▣ BandWidth: 30 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy (MHz)	Voltage (%)	Temp. (℃)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
2511.000	100 %	+20(Ref)	2510 999 996	0.0	0.000 000	0.000
	100 %	-30	2510 999 992	-3.4	0.000 000	-0.001
	100 %	-20	2510 999 991	-4.5	0.000 000	-0.002
	100 %	-10	2510 999 993	-2.4	0.000 000	-0.001
	100 %	0	2510 999 990	-5.7	0.000 000	-0.002
	100 %	+10	2510 999 994	-1.6	0.000 000	-0.001
	100 %	+30	2510 999 994	-1.8	0.000 000	-0.001
	100 %	+40	2510 999 994	-1.7	0.000 000	-0.001
	100 %	+50	2510 999 992	-3.5	0.000 000	-0.001
	Batt. Endpoint	+20	2510 999 993	-3.0	0.000 000	-0.001
2515.000	100 %	+20(Ref)	2514 999 988	0.0	0.000 000	0.000
	100 %	-30	2514 999 980	-7.7	0.000 000	-0.003
	100 %	-20	2514 999 978	-9.3	0.000 000	-0.004
	100 %	-10	2514 999 981	-6.5	0.000 000	-0.003
	100 %	0	2514 999 979	-8.6	0.000 000	-0.003
	100 %	+10	2514 999 979	-9.0	0.000 000	-0.004
	100 %	+30	2514 999 977	-10.9	0.000 000	-0.004
	100 %	+40	2514 999 980	-7.8	0.000 000	-0.003
	100 %	+50	2514 999 981	-6.2	0.000 000	-0.002
	Batt. Endpoint	+20	2514 999 977	-10.7	0.000 000	-0.004
2674.980	100 %	+20(Ref)	2674 979 994	0.0	0.000 000	0.000
	100 %	-30	2674 979 990	-4.3	0.000 000	-0.002
	100 %	-20	2674 979 989	-5.2	0.000 000	-0.002
	100 %	-10	2674 979 988	-5.7	0.000 000	-0.002
	100 %	0	2674 979 992	-2.5	0.000 000	-0.001
	100 %	+10	2674 979 990	-4.0	0.000 000	-0.001
	100 %	+30	2674 979 991	-3.4	0.000 000	-0.001
	100 %	+40	2674 979 990	-4.2	0.000 000	-0.002
	100 %	+50	2674 979 991	-3.6	0.000 000	-0.001
	Batt. Endpoint	+20	2674 979 986	-8.6	0.000 000	-0.003

▣ BandWidth: 40 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy (MHz)	Voltage (%)	Temp. (℃)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
2516.010	100 %	+20(Ref)	2516 009 999	0.0	0.000 000	0.000
	100 %	-30	2516 009 996	-2.7	0.000 000	-0.001
	100 %	-20	2516 009 995	-4.6	0.000 000	-0.002
	100 %	-10	2516 009 995	-3.7	0.000 000	-0.001
	100 %	0	2516 009 995	-4.6	0.000 000	-0.002
	100 %	+10	2516 009 995	-4.1	0.000 000	-0.002
	100 %	+30	2516 009 996	-3.4	0.000 000	-0.001
	100 %	+40	2516 009 995	-4.6	0.000 000	-0.002
	100 %	+50	2516 009 996	-2.8	0.000 000	-0.001
	Batt. Endpoint	+20	2516 009 995	-4.5	0.000 000	-0.002
2520.000	100 %	+20(Ref)	2519 999 988	0.0	0.000 000	0.000
	100 %	-30	2519 999 979	-8.8	0.000 000	-0.003
	100 %	-20	2519 999 977	-11.3	0.000 000	-0.004
	100 %	-10	2519 999 975	-13.1	-0.000 001	-0.005
	100 %	0	2519 999 980	-8.1	0.000 000	-0.003
	100 %	+10	2519 999 975	-13.2	-0.000 001	-0.005
	100 %	+30	2519 999 978	-10.2	0.000 000	-0.004
	100 %	+40	2519 999 977	-11.1	0.000 000	-0.004
	100 %	+50	2519 999 980	-7.6	0.000 000	-0.003
	Batt. Endpoint	+20	2519 999 978	-9.5	0.000 000	-0.004
2670.000	100 %	+20(Ref)	2669 999 997	0.0	0.000 000	0.000
	100 %	-30	2669 999 998	0.9	0.000 000	0.000
	100 %	-20	2669 999 992	-5.0	0.000 000	-0.002
	100 %	-10	2669 999 993	-3.3	0.000 000	-0.001
	100 %	0	2669 999 990	-6.6	0.000 000	-0.002
	100 %	+10	2669 999 993	-4.1	0.000 000	-0.002
	100 %	+30	2669 999 995	-1.6	0.000 000	-0.001
	100 %	+40	2669 999 992	-5.2	0.000 000	-0.002
	100 %	+50	2669 999 995	-1.7	0.000 000	-0.001
	Batt. Endpoint	+20	2669 999 995	-1.8	0.000 000	-0.001

▣ BandWidth: 50 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy (MHz)	Voltage (%)	Temp. (℃)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
2521.020	100 %	+20(Ref)	2521 019 997	0.0	0.000 000	0.000
	100 %	-30	2521 019 992	-5.3	0.000 000	-0.002
	100 %	-20	2521 019 995	-1.3	0.000 000	-0.001
	100 %	-10	2521 019 993	-3.9	0.000 000	-0.002
	100 %	0	2521 019 996	-0.5	0.000 000	0.000
	100 %	+10	2521 019 997	0.6	0.000 000	0.000
	100 %	+30	2521 019 997	0.0	0.000 000	0.000
	100 %	+40	2521 019 996	-0.9	0.000 000	0.000
	100 %	+50	2521 019 997	-0.1	0.000 000	0.000
	Batt. Endpoint	+20	2521 019 995	-1.3	0.000 000	-0.001
2525.010	100 %	+20(Ref)	2525 009 986	0.0	0.000 000	0.000
	100 %	-30	2525 009 974	-11.5	0.000 000	-0.005
	100 %	-20	2525 009 977	-8.8	0.000 000	-0.003
	100 %	-10	2525 009 977	-9.5	0.000 000	-0.004
	100 %	0	2525 009 979	-6.6	0.000 000	-0.003
	100 %	+10	2525 009 979	-7.4	0.000 000	-0.003
	100 %	+30	2525 009 978	-8.1	0.000 000	-0.003
	100 %	+40	2525 009 974	-11.7	0.000 000	-0.005
	100 %	+50	2525 009 971	-14.9	-0.000 001	-0.006
	Batt. Endpoint	+20	2525 009 977	-8.6	0.000 000	-0.003
2664.990	100 %	+20(Ref)	2664 989 996	0.0	0.000 000	0.000
	100 %	-30	2664 989 994	-2.2	0.000 000	-0.001
	100 %	-20	2664 989 993	-2.7	0.000 000	-0.001
	100 %	-10	2664 989 992	-3.6	0.000 000	-0.001
	100 %	0	2664 989 989	-7.4	0.000 000	-0.003
	100 %	+10	2664 989 992	-3.9	0.000 000	-0.001
	100 %	+30	2664 989 989	-6.6	0.000 000	-0.002
	100 %	+40	2664 989 993	-3.0	0.000 000	-0.001
	100 %	+50	2664 989 992	-3.8	0.000 000	-0.001
	Batt. Endpoint	+20	2664 989 991	-4.9	0.000 000	-0.002

▣ BandWidth: 60 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy (MHz)	Voltage (%)	Temp. (℃)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
2526.000	100 %	+20(Ref)	2525 999 999	0.0	0.000 000	0.000
	100 %	-30	2526 000 000	0.4	0.000 000	0.000
	100 %	-20	2525 999 994	-5.1	0.000 000	-0.002
	100 %	-10	2526 000 000	0.8	0.000 000	0.000
	100 %	0	2525 999 994	-5.2	0.000 000	-0.002
	100 %	+10	2526 000 001	1.3	0.000 000	0.001
	100 %	+30	2525 999 997	-2.4	0.000 000	-0.001
	100 %	+40	2525 999 997	-1.9	0.000 000	-0.001
	100 %	+50	2525 999 997	-2.6	0.000 000	-0.001
	Batt. Endpoint	+20	2525 999 994	-5.4	0.000 000	-0.002
2530.020	100 %	+20(Ref)	2530 019 993	0.0	0.000 000	0.000
	100 %	-30	2530 019 983	-10.1	0.000 000	-0.004
	100 %	-20	2530 019 980	-13.4	-0.000 001	-0.005
	100 %	-10	2530 019 982	-10.8	0.000 000	-0.004
	100 %	0	2530 019 985	-8.5	0.000 000	-0.003
	100 %	+10	2530 019 988	-5.7	0.000 000	-0.002
	100 %	+30	2530 019 982	-11.2	0.000 000	-0.004
	100 %	+40	2530 019 983	-9.8	0.000 000	-0.004
	100 %	+50	2530 019 979	-14.2	-0.000 001	-0.006
	Batt. Endpoint	+20	2530 019 985	-8.2	0.000 000	-0.003
2659.980	100 %	+20(Ref)	2659 979 995	0.0	0.000 000	0.000
	100 %	-30	2659 979 990	-4.9	0.000 000	-0.002
	100 %	-20	2659 979 993	-2.3	0.000 000	-0.001
	100 %	-10	2659 979 989	-6.4	0.000 000	-0.002
	100 %	0	2659 979 988	-6.7	0.000 000	-0.003
	100 %	+10	2659 979 993	-2.4	0.000 000	-0.001
	100 %	+30	2659 979 988	-6.6	0.000 000	-0.002
	100 %	+40	2659 979 992	-3.3	0.000 000	-0.001
	100 %	+50	2659 979 988	-7.1	0.000 000	-0.003
	Batt. Endpoint	+20	2659 979 987	-8.0	0.000 000	-0.003

▣ BandWidth: 70 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy (MHz)	Voltage (%)	Temp. (℃)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
2531.010	100 %	+20(Ref)	2531 010 004	0.0	0.000 000	0.000
	100 %	-30	2531 010 002	-1.4	0.000 000	-0.001
	100 %	-20	2531 010 004	0.0	0.000 000	0.000
	100 %	-10	2531 010 005	1.2	0.000 000	0.000
	100 %	0	2531 010 003	-1.1	0.000 000	0.000
	100 %	+10	2531 010 004	0.1	0.000 000	0.000
	100 %	+30	2531 010 002	-1.7	0.000 000	-0.001
	100 %	+40	2531 010 006	2.7	0.000 000	0.001
	100 %	+50	2531 010 006	2.0	0.000 000	0.001
	Batt. Endpoint	+20	2531 010 002	-2.0	0.000 000	-0.001
2535.000	100 %	+20(Ref)	2534 999 990	0.0	0.000 000	0.000
	100 %	-30	2534 999 984	-5.7	0.000 000	-0.002
	100 %	-20	2534 999 983	-7.3	0.000 000	-0.003
	100 %	-10	2534 999 980	-10.5	0.000 000	-0.004
	100 %	0	2534 999 984	-5.7	0.000 000	-0.002
	100 %	+10	2534 999 983	-7.0	0.000 000	-0.003
	100 %	+30	2534 999 979	-10.5	0.000 000	-0.004
	100 %	+40	2534 999 983	-7.0	0.000 000	-0.003
	100 %	+50	2534 999 981	-8.7	0.000 000	-0.003
	Batt. Endpoint	+20	2534 999 977	-13.2	-0.000 001	-0.005
2655.000	100 %	+20(Ref)	2654 999 997	0.0	0.000 000	0.000
	100 %	-30	2654 999 995	-1.6	0.000 000	-0.001
	100 %	-20	2654 999 995	-2.1	0.000 000	-0.001
	100 %	-10	2654 999 994	-2.7	0.000 000	-0.001
	100 %	0	2654 999 995	-1.2	0.000 000	0.000
	100 %	+10	2654 999 995	-1.5	0.000 000	-0.001
	100 %	+30	2654 999 992	-4.8	0.000 000	-0.002
	100 %	+40	2654 999 995	-1.8	0.000 000	-0.001
	100 %	+50	2654 999 996	-1.0	0.000 000	0.000
	Batt. Endpoint	+20	2654 999 994	-2.9	0.000 000	-0.001

▣ BandWidth: 80 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy (MHz)	Voltage (%)	Temp. (℃)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
2536.020	100 %	+20(Ref)	2536 019 999	0.0	0.000 000	0.000
	100 %	-30	2536 020 001	1.6	0.000 000	0.001
	100 %	-20	2536 019 997	-2.0	0.000 000	-0.001
	100 %	-10	2536 020 000	0.7	0.000 000	0.000
	100 %	0	2536 020 000	0.8	0.000 000	0.000
	100 %	+10	2536 019 998	-1.7	0.000 000	-0.001
	100 %	+30	2536 019 996	-3.3	0.000 000	-0.001
	100 %	+40	2536 019 997	-1.9	0.000 000	-0.001
	100 %	+50	2536 019 995	-3.8	0.000 000	-0.001
	Batt. Endpoint	+20	2536 020 000	0.9	0.000 000	0.000
2540.010	100 %	+20(Ref)	2540 009 993	0.0	0.000 000	0.000
	100 %	-30	2540 009 990	-2.4	0.000 000	-0.001
	100 %	-20	2540 009 987	-6.1	0.000 000	-0.002
	100 %	-10	2540 009 980	-12.5	0.000 000	-0.005
	100 %	0	2540 009 986	-6.7	0.000 000	-0.003
	100 %	+10	2540 009 985	-7.7	0.000 000	-0.003
	100 %	+30	2540 009 979	-13.5	-0.000 001	-0.005
	100 %	+40	2540 009 989	-3.5	0.000 000	-0.001
	100 %	+50	2540 009 985	-7.4	0.000 000	-0.003
	Batt. Endpoint	+20	2540 009 984	-8.5	0.000 000	-0.003
2649.990	100 %	+20(Ref)	2649 989 994	0.0	0.000 000	0.000
	100 %	-30	2649 989 989	-5.0	0.000 000	-0.002
	100 %	-20	2649 989 988	-5.6	0.000 000	-0.002
	100 %	-10	2649 989 988	-6.0	0.000 000	-0.002
	100 %	0	2649 989 990	-3.7	0.000 000	-0.001
	100 %	+10	2649 989 990	-4.1	0.000 000	-0.002
	100 %	+30	2649 989 990	-4.1	0.000 000	-0.002
	100 %	+40	2649 989 988	-6.0	0.000 000	-0.002
	100 %	+50	2649 989 991	-2.9	0.000 000	-0.001
	Batt. Endpoint	+20	2649 989 988	-5.5	0.000 000	-0.002

▣ BandWidth: 90 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy (MHz)	Voltage (%)	Temp. (℃)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
2541.000	100 %	+20(Ref)	2540 999 995	0.0	0.000 000	0.000
	100 %	-30	2540 999 995	-0.4	0.000 000	0.000
	100 %	-20	2540 999 991	-4.7	0.000 000	-0.002
	100 %	-10	2540 999 992	-3.5	0.000 000	-0.001
	100 %	0	2540 999 992	-3.5	0.000 000	-0.001
	100 %	+10	2540 999 996	0.5	0.000 000	0.000
	100 %	+30	2540 999 991	-3.9	0.000 000	-0.002
	100 %	+40	2540 999 995	0.1	0.000 000	0.000
	100 %	+50	2540 999 989	-6.3	0.000 000	-0.002
	Batt. Endpoint	+20	2540 999 995	0.0	0.000 000	0.000
2545.020	100 %	+20(Ref)	2545 019 991	0.0	0.000 000	0.000
	100 %	-30	2545 019 985	-6.3	0.000 000	-0.002
	100 %	-20	2545 019 980	-11.8	0.000 000	-0.005
	100 %	-10	2545 019 988	-3.6	0.000 000	-0.001
	100 %	0	2545 019 980	-11.9	0.000 000	-0.005
	100 %	+10	2545 019 987	-4.3	0.000 000	-0.002
	100 %	+30	2545 019 983	-8.6	0.000 000	-0.003
	100 %	+40	2545 019 984	-7.1	0.000 000	-0.003
	100 %	+50	2545 019 989	-2.2	0.000 000	-0.001
	Batt. Endpoint	+20	2545 019 985	-6.7	0.000 000	-0.003
2644.980	100 %	+20(Ref)	2644 979 997	0.0	0.000 000	0.000
	100 %	-30	2644 979 993	-4.1	0.000 000	-0.002
	100 %	-20	2644 979 993	-4.4	0.000 000	-0.002
	100 %	-10	2644 979 992	-5.1	0.000 000	-0.002
	100 %	0	2644 979 993	-3.6	0.000 000	-0.001
	100 %	+10	2644 979 993	-4.0	0.000 000	-0.002
	100 %	+30	2644 979 993	-4.2	0.000 000	-0.002
	100 %	+40	2644 979 992	-5.1	0.000 000	-0.002
	100 %	+50	2644 979 994	-3.0	0.000 000	-0.001
	Batt. Endpoint	+20	2644 979 992	-5.1	0.000 000	-0.002

▣ BandWidth: 100 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy (MHz)	Voltage (%)	Temp. (℃)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
2546.010	100 %	+20(Ref)	2546 009 997	0.0	0.000 000	0.000
	100 %	-30	2546 009 996	-1.6	0.000 000	-0.001
	100 %	-20	2546 009 994	-3.0	0.000 000	-0.001
	100 %	-10	2546 009 998	0.5	0.000 000	0.000
	100 %	0	2546 010 000	2.3	0.000 000	0.001
	100 %	+10	2546 009 997	-0.5	0.000 000	0.000
	100 %	+30	2546 009 997	-0.5	0.000 000	0.000
	100 %	+40	2546 009 994	-3.2	0.000 000	-0.001
	100 %	+50	2546 009 998	0.1	0.000 000	0.000
	Batt. Endpoint	+20	2546 009 999	1.7	0.000 000	0.001
2550.000	100 %	+20(Ref)	2549 999 991	0.0	0.000 000	0.000
	100 %	-30	2549 999 982	-8.8	0.000 000	-0.003
	100 %	-20	2549 999 983	-7.8	0.000 000	-0.003
	100 %	-10	2549 999 983	-7.3	0.000 000	-0.003
	100 %	0	2549 999 986	-4.7	0.000 000	-0.002
	100 %	+10	2549 999 981	-9.2	0.000 000	-0.004
	100 %	+30	2549 999 983	-7.4	0.000 000	-0.003
	100 %	+40	2549 999 975	-15.5	-0.000 001	-0.006
	100 %	+50	2549 999 986	-4.8	0.000 000	-0.002
	Batt. Endpoint	+20	2549 999 984	-6.8	0.000 000	-0.003
2640.000	100 %	+20(Ref)	2639 999 998	0.0	0.000 000	0.000
	100 %	-30	2639 999 995	-2.3	0.000 000	-0.001
	100 %	-20	2639 999 993	-4.3	0.000 000	-0.002
	100 %	-10	2639 999 991	-6.3	0.000 000	-0.002
	100 %	0	2639 999 995	-2.9	0.000 000	-0.001
	100 %	+10	2639 999 995	-2.9	0.000 000	-0.001
	100 %	+30	2639 999 996	-2.0	0.000 000	-0.001
	100 %	+40	2639 999 995	-2.5	0.000 000	-0.001
	100 %	+50	2639 999 998	-0.1	0.000 000	0.000
	Batt. Endpoint	+20	2639 999 992	-5.8	0.000 000	-0.002

9. TEST DATA(Ant F)

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 41/ 10 MHz [30 kHz]	PI/2 BPSK	-20.51	16.13	10.30	2.47	V	< 2.00	0.249	23.96	1	22
		QPSK	-20.61	16.03	10.30	2.47	V		0.243	23.86		
		16-QAM	-21.86	14.78	10.30	2.47	V		0.182	22.61		
		64-QAM	-23.21	13.43	10.30	2.47	V		0.134	21.26		
		256-QAM	-25.51	11.13	10.30	2.47	V		0.079	18.96		
2505.000		PI/2 BPSK	-20.73	15.90	10.30	2.48	V		0.236	23.72	1	1
		QPSK	-20.81	15.82	10.30	2.48	V		0.231	23.64		
		16-QAM	-21.90	14.73	10.30	2.48	V		0.180	22.55		
		64-QAM	-23.31	13.32	10.30	2.48	V		0.130	21.14		
		256-QAM	-25.51	11.12	10.30	2.48	V		0.078	18.94		
2592.990		PI/2 BPSK	-20.55	15.75	10.05	2.50	V		0.214	23.30	1	1
		QPSK	-20.57	15.73	10.05	2.50	V		0.213	23.28		
		16-QAM	-21.99	14.31	10.05	2.50	V		0.153	21.86		
		64-QAM	-23.12	13.18	10.05	2.50	V		0.118	20.73		
		256-QAM	-25.46	10.84	10.05	2.50	V		0.069	18.39		
2685.000		PI/2 BPSK	-22.35	15.11	10.10	2.58	V		0.183	22.63	1	1
		QPSK	-22.48	14.98	10.10	2.58	V		0.178	22.50		
		16-QAM	-23.71	13.75	10.10	2.58	V		0.134	21.27		
		64-QAM	-24.95	12.51	10.10	2.58	V		0.101	20.03		
		256-QAM	-27.26	10.20	10.10	2.58	V		0.059	17.72		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain(dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2503.500	Sub6 41/ 15 MHz [30 kHz]	PI/2 BPSK	-20.71	15.92	10.30	2.48	V	< 2.00	0.237	23.74	1	36
		QPSK	-20.81	15.82	10.30	2.48	V		0.231	23.64		
		16-QAM	-22.06	14.57	10.30	2.48	V		0.173	22.39		
		64-QAM	-23.44	13.19	10.30	2.48	V		0.126	21.01		
		256-QAM	-25.53	11.10	10.30	2.48	V		0.078	18.92		
2507.500		PI/2 BPSK	-20.84	15.79	10.30	2.48	V		0.230	23.61	1	1
		QPSK	-20.88	15.75	10.30	2.48	V		0.228	23.57		
		16-QAM	-22.04	14.59	10.30	2.48	V		0.174	22.41		
		64-QAM	-23.29	13.34	10.30	2.48	V		0.131	21.16		
		256-QAM	-25.51	11.12	10.30	2.48	V		0.078	18.94		
2592.990		PI/2 BPSK	-20.67	15.63	10.05	2.50	V		0.208	23.18	1	1
		QPSK	-20.71	15.59	10.05	2.50	V		0.206	23.14		
		16-QAM	-21.85	14.45	10.05	2.50	V		0.158	22.00		
		64-QAM	-23.28	13.02	10.05	2.50	V		0.114	20.57		
		256-QAM	-25.50	10.80	10.05	2.50	V		0.068	18.35		
2682.480		PI/2 BPSK	-22.61	15.10	10.10	2.58	V		0.183	22.62	1	1
		QPSK	-22.71	15.00	10.10	2.58	V		0.179	22.52		
		16-QAM	-23.90	13.81	10.10	2.58	V		0.136	21.33		
		64-QAM	-25.16	12.55	10.10	2.58	V		0.102	20.07		
		256-QAM	-27.46	10.25	10.10	2.58	V		0.060	17.77		

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 41/ 20 MHz [30 kHz]	PI/2 BPSK	-20.54	16.09	10.30	2.48	V	< 2.00	0.246	23.91	1	49
		QPSK	-20.61	16.02	10.30	2.48	V		0.242	23.84		
		16-QAM	-21.83	14.80	10.30	2.48	V		0.183	22.62		
		64-QAM	-23.23	13.40	10.30	2.48	V		0.132	21.22		
		256-QAM	-25.50	11.13	10.30	2.48	V		0.079	18.95		
2510.010		PI/2 BPSK	-20.62	16.00	10.30	2.50	V		0.240	23.80	1	1
		QPSK	-20.69	15.93	10.30	2.50	V		0.236	23.73		
		16-QAM	-21.83	14.79	10.30	2.50	V		0.182	22.59		
		64-QAM	-23.31	13.31	10.30	2.50	V		0.129	21.11		
		256-QAM	-25.54	11.08	10.30	2.50	V		0.077	18.88		
2592.990		PI/2 BPSK	-20.87	15.43	10.05	2.50	V		0.199	22.98	1	1
		QPSK	-20.93	15.37	10.05	2.50	V		0.196	22.92		
		16-QAM	-22.09	14.21	10.05	2.50	V		0.150	21.76		
		64-QAM	-23.38	12.92	10.05	2.50	V		0.111	20.47		
		256-QAM	-25.75	10.55	10.05	2.50	V		0.065	18.10		
2679.990		PI/2 BPSK	-22.56	15.15	10.10	2.58	V		0.185	22.67	1	1
		QPSK	-22.70	15.01	10.10	2.58	V		0.179	22.53		
		16-QAM	-24.00	13.71	10.10	2.58	V		0.133	21.23		
		64-QAM	-25.34	12.37	10.10	2.58	V		0.097	19.89		
		256-QAM	-27.53	10.18	10.10	2.58	V		0.059	17.70		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain(dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2508.510	Sub6 41/ 25 MHz [30 kHz]	PI/2 BPSK	-20.46	16.17	10.30	2.49	V	< 2.00	0.250	23.98	1	32
		QPSK	-20.53	16.10	10.30	2.49	V		0.246	23.91		
		16-QAM	-21.75	14.88	10.30	2.49	V		0.186	22.69		
		64-QAM	-23.04	13.59	10.30	2.49	V		0.138	21.40		
		256-QAM	-25.33	11.30	10.30	2.49	V		0.081	19.11		
2512.500		PI/2 BPSK	-20.75	15.87	10.28	2.50	V		0.232	23.65	1	1
		QPSK	-20.82	15.80	10.28	2.50	V		0.228	23.58		
		16-QAM	-21.91	14.71	10.28	2.50	V		0.177	22.49		
		64-QAM	-23.33	13.29	10.28	2.50	V		0.128	21.07		
		256-QAM	-25.52	11.10	10.28	2.50	V		0.077	18.88		
2592.990		PI/2 BPSK	-20.51	15.79	10.05	2.50	V		0.216	23.34	1	1
		QPSK	-20.59	15.71	10.05	2.50	V		0.212	23.26		
		16-QAM	-21.79	14.51	10.05	2.50	V		0.161	22.06		
		64-QAM	-23.02	13.28	10.05	2.50	V		0.121	20.83		
		256-QAM	-25.29	11.01	10.05	2.50	V		0.072	18.56		
2677.500		PI/2 BPSK	-22.45	15.11	10.10	2.58	V		0.183	22.63	1	1
		QPSK	-22.51	15.05	10.10	2.58	V		0.181	22.57		
		16-QAM	-23.71	13.85	10.10	2.58	V		0.137	21.37		
		64-QAM	-25.01	12.55	10.10	2.58	V		0.102	20.07		
		256-QAM	-27.23	10.33	10.10	2.58	V		0.061	17.85		

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 41/ 30 MHz [30 kHz]	PI/2 BPSK	-20.43	16.19	10.30	2.50	V	< 2.00	0.251	23.99	1	76
		QPSK	-20.59	16.03	10.30	2.50	V		0.242	23.83		
		16-QAM	-21.82	14.80	10.30	2.50	V		0.182	22.60		
		64-QAM	-23.11	13.51	10.30	2.50	V		0.135	21.31		
		256-QAM	-25.43	11.19	10.30	2.50	V		0.079	18.99		
2515.020		PI/2 BPSK	-20.49	16.00	10.30	2.51	V		0.239	23.79	1	1
		QPSK	-20.54	15.95	10.30	2.51	V		0.237	23.74		
		16-QAM	-21.68	14.81	10.30	2.51	V		0.182	22.60		
		64-QAM	-23.10	13.39	10.30	2.51	V		0.131	21.18		
		256-QAM	-25.26	11.23	10.30	2.51	V		0.080	19.02		
2592.990		PI/2 BPSK	-20.49	15.81	10.05	2.50	V		0.217	23.36	1	1
		QPSK	-20.54	15.76	10.05	2.50	V		0.214	23.31		
		16-QAM	-21.71	14.59	10.05	2.50	V		0.164	22.14		
		64-QAM	-23.01	13.29	10.05	2.50	V		0.121	20.84		
		256-QAM	-25.31	10.99	10.05	2.50	V		0.071	18.54		
2674.980		PI/2 BPSK	-22.12	15.29	10.10	2.58	V		0.191	22.81	1	1
		QPSK	-22.24	15.17	10.10	2.58	V		0.186	22.69		
		16-QAM	-23.46	13.95	10.10	2.58	V		0.140	21.47		
		64-QAM	-24.83	12.58	10.10	2.58	V		0.102	20.10		
		256-QAM	-27.11	10.30	10.10	2.58	V		0.061	17.82		

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
2516.010	Sub6 41/ 40 MHz [30 kHz]	PI/2 BPSK	-20.59	15.90	10.30	2.51	V	< 2.00	0.234	23.69	1	53
		QPSK	-20.66	15.83	10.30	2.51	V		0.230	23.62		
		16-QAM	-21.94	14.55	10.30	2.51	V		0.171	22.34		
		64-QAM	-23.11	13.38	10.30	2.51	V		0.131	21.17		
		256-QAM	-25.39	11.10	10.30	2.51	V		0.077	18.89		
2520.000		PI/2 BPSK	-20.90	15.77	10.00	2.53	V		0.211	23.24	1	1
		QPSK	-21.01	15.66	10.00	2.53	V		0.206	23.13		
		16-QAM	-22.03	14.64	10.00	2.53	V		0.163	22.11		
		64-QAM	-23.42	13.25	10.00	2.53	V		0.118	20.72		
		256-QAM	-25.63	11.04	10.00	2.53	V		0.071	18.51		
2592.990		PI/2 BPSK	-20.84	15.46	10.05	2.50	V		0.200	23.01	1	1
		QPSK	-20.96	15.34	10.05	2.50	V		0.195	22.89		
		16-QAM	-22.13	14.17	10.05	2.50	V		0.149	21.72		
		64-QAM	-23.51	12.79	10.05	2.50	V		0.108	20.34		
		256-QAM	-25.76	10.54	10.05	2.50	V		0.064	18.09		
2670.000		PI/2 BPSK	-21.94	15.18	10.10	2.58	V		0.186	22.70	1	1
		QPSK	-21.99	15.13	10.10	2.58	V		0.184	22.65		
		16-QAM	-23.26	13.86	10.10	2.58	V		0.137	21.38		
		64-QAM	-24.46	12.66	10.10	2.58	V		0.104	20.18		
		256-QAM	-26.79	10.33	10.10	2.58	V		0.061	17.85		

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 41/ 50 MHz [30 kHz]	PI/2 BPSK	-20.04	16.63	10.00	2.53	V	< 2.00	0.257	24.10	1	66
		QPSK	-20.13	16.54	10.00	2.53	V		0.252	24.01		
		16-QAM	-21.17	15.50	10.00	2.53	V		0.198	22.97		
		64-QAM	-22.63	14.04	10.00	2.53	V		0.142	21.51		
		256-QAM	-24.85	11.82	10.00	2.53	V		0.085	19.29		
2525.010		-20.43	15.83	10.30	2.53	V	-20.43		0.229	23.60	1	1
		-20.50	15.76	10.30	2.53	V	-20.50		0.225	23.53		
		-21.70	14.56	10.30	2.53	V	-21.70		0.171	22.33		
		-22.96	13.30	10.30	2.53	V	-22.96		0.128	21.07		
		-25.24	11.02	10.30	2.53	V	-25.24		0.076	18.79		
2592.990		PI/2 BPSK	-20.43	15.87	10.05	2.50	V		0.220	23.42	1	66
		QPSK	-20.59	15.71	10.05	2.50	V		0.212	23.26		
		16-QAM	-21.66	14.64	10.05	2.50	V		0.166	22.19		
		64-QAM	-23.01	13.29	10.05	2.50	V		0.121	20.84		
		256-QAM	-25.14	11.16	10.05	2.50	V		0.074	18.71		
2664.990		PI/2 BPSK	-22.26	14.83	10.10	2.60	V		0.171	22.33	1	1
		QPSK	-22.33	14.76	10.10	2.60	V		0.168	22.26		
		16-QAM	-23.41	13.68	10.10	2.60	V		0.131	21.18		
		64-QAM	-24.68	12.41	10.10	2.60	V		0.098	19.91		
		256-QAM	-26.69	10.40	10.10	2.60	V		0.062	17.90		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain(dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2526.000	Sub6 41/ 60 MHz [30 kHz]	PI/2 BPSK	-20.35	15.91	10.30	2.53	V	< 2.00	0.233	23.68	1	80
		QPSK	-20.50	15.76	10.30	2.53	V		0.225	23.53		
		16-QAM	-21.57	14.69	10.30	2.53	V		0.176	22.46		
		64-QAM	-22.93	13.33	10.30	2.53	V		0.129	21.10		
		256-QAM	-25.18	11.08	10.30	2.53	V		0.077	18.85		
2530.020		PI/2 BPSK	-20.81	15.31	10.30	2.52	V		0.204	23.09	1	1
		QPSK	-20.85	15.27	10.30	2.52	V		0.202	23.05		
		16-QAM	-28.99	7.13	10.30	2.52	V		0.031	14.91		
		64-QAM	-23.34	12.78	10.30	2.52	V		0.114	20.56		
		256-QAM	-25.65	10.47	10.30	2.52	V		0.067	18.25		
2592.990		PI/2 BPSK	-20.56	15.74	10.05	2.50	V		0.213	23.29	1	80
		QPSK	-20.67	15.63	10.05	2.50	V		0.208	23.18		
		16-QAM	-21.76	14.54	10.05	2.50	V		0.162	22.09		
		64-QAM	-23.26	13.04	10.05	2.50	V		0.115	20.59		
		256-QAM	-25.46	10.84	10.05	2.50	V		0.069	18.39		
2659.980		PI/2 BPSK	-21.77	15.08	10.10	2.61	V		0.181	22.57	1	1
		QPSK	-21.85	15.00	10.10	2.61	V		0.177	22.49		
		16-QAM	-22.93	13.92	10.10	2.61	V		0.138	21.41		
		64-QAM	-24.33	12.52	10.10	2.61	V		0.100	20.01		
		256-QAM	-26.48	10.37	10.10	2.61	V		0.061	17.86		

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
2531.010	Sub6 41/ 70 MHz [30 kHz]	PI/2 BPSK	-20.86	15.26	10.30	2.52	V	< 2.00	0.201	23.04	1	187
		QPSK	-20.96	15.16	10.30	2.52	V		0.197	22.94		
		16-QAM	-22.01	14.11	10.30	2.52	V		0.155	21.89		
		64-QAM	-23.61	12.51	10.30	2.52	V		0.107	20.29		
		256-QAM	-25.69	10.43	10.30	2.52	V		0.066	18.21		
2535.000		PI/2 BPSK	-20.66	15.59	10.30	2.52	V		0.217	23.37	1	1
		QPSK	-20.97	15.28	10.30	2.52	V		0.202	23.06		
		16-QAM	-21.70	14.55	10.30	2.52	V		0.171	22.33		
		64-QAM	-23.30	12.95	10.30	2.52	V		0.118	20.73		
		256-QAM	-25.36	10.89	10.30	2.52	V		0.074	18.67		
2592.990		PI/2 BPSK	-20.85	15.45	10.05	2.50	V		0.200	23.00	1	94
		QPSK	-20.91	15.39	10.05	2.50	V		0.197	22.94		
		16-QAM	-22.11	14.19	10.05	2.50	V		0.149	21.74		
		64-QAM	-23.36	12.94	10.05	2.50	V		0.112	20.49		
		256-QAM	-25.55	10.75	10.05	2.50	V		0.068	18.30		
2655.000		PI/2 BPSK	-21.44	15.32	10.10	2.63	V		0.190	22.79	1	1
		QPSK	-21.48	15.28	10.10	2.63	V		0.188	22.75		
		16-QAM	-22.62	14.14	10.10	2.63	V		0.145	21.61		
		64-QAM	-24.05	12.71	10.10	2.63	V		0.104	20.18		
		256-QAM	-26.24	10.52	10.10	2.63	V		0.063	17.99		

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
2536.020	Sub6 41/ 80 MHz [30 kHz]	PI/2 BPSK	-21.10	15.14	10.30	2.52	V	< 2.00	0.196	22.92	1	215
		QPSK	-21.11	15.13	10.30	2.52	V		0.195	22.91		
		16-QAM	-22.31	13.93	10.30	2.52	V		0.148	21.71		
		64-QAM	-23.57	12.67	10.30	2.52	V		0.111	20.45		
		256-QAM	-25.88	10.36	10.30	2.52	V		0.065	18.14		
2540.010		PI/2 BPSK	-20.72	15.64	10.30	2.52	V		0.220	23.42	1	1
		QPSK	-20.97	15.39	10.30	2.52	V		0.207	23.17		
		16-QAM	-21.81	14.55	10.30	2.52	V		0.171	22.33		
		64-QAM	-23.41	12.95	10.30	2.52	V		0.118	20.73		
		256-QAM	-25.51	10.85	10.30	2.52	V		0.073	18.63		
2592.990		PI/2 BPSK	-20.88	15.42	10.05	2.50	V		0.198	22.97	1	108
		QPSK	-20.91	15.39	10.05	2.50	V		0.197	22.94		
		16-QAM	-22.13	14.17	10.05	2.50	V		0.149	21.72		
		64-QAM	-23.38	12.92	10.05	2.50	V		0.111	20.47		
		256-QAM	-25.67	10.63	10.05	2.50	V		0.066	18.18		
2649.990		PI/2 BPSK	-21.11	15.56	10.10	2.65	V		0.200	23.01	1	1
		QPSK	-21.14	15.53	10.10	2.65	V		0.199	22.98		
		16-QAM	-22.32	14.35	10.10	2.65	V		0.151	21.80		
		64-QAM	-23.70	12.97	10.10	2.65	V		0.110	20.42		
		256-QAM	-26.06	10.61	10.10	2.65	V		0.064	18.06		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain(dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2541.000	Sub6 41/ 90 MHz [30 kHz]	PI/2 BPSK	-20.95	15.41	10.30	2.52	V	< 2.00	0.208	23.19	1	243
		QPSK	-20.96	15.40	10.30	2.52	V		0.208	23.18		
		16-QAM	-22.27	14.09	10.30	2.52	V		0.154	21.87		
		64-QAM	-23.51	12.85	10.30	2.52	V		0.116	20.63		
		256-QAM	-25.76	10.60	10.30	2.52	V		0.069	18.38		
2545.020		PI/2 BPSK	-20.64	15.73	10.25	2.54	V		0.221	23.44	1	1
		QPSK	-20.89	15.48	10.25	2.54	V		0.208	23.19		
		16-QAM	-21.64	14.73	10.25	2.54	V		0.175	22.44		
		64-QAM	-23.20	13.17	10.25	2.54	V		0.122	20.88		
		256-QAM	-25.30	11.07	10.25	2.54	V		0.076	18.78		
2592.990		PI/2 BPSK	-20.65	15.65	10.05	2.50	V		0.209	23.20	1	1
		QPSK	-20.83	15.47	10.05	2.50	V		0.200	23.02		
		16-QAM	-21.77	14.53	10.05	2.50	V		0.161	22.08		
		64-QAM	-23.06	13.24	10.05	2.50	V		0.120	20.79		
		256-QAM	-25.19	11.11	10.05	2.50	V		0.073	18.66		
2644.980		PI/2 BPSK	-20.81	16.00	10.00	2.66	V		0.216	23.34	1	1
		QPSK	-20.80	16.01	10.00	2.66	V		0.216	23.35		
		16-QAM	-22.08	14.73	10.00	2.66	V		0.161	22.07		
		64-QAM	-23.37	13.44	10.00	2.66	V		0.120	20.78		
		256-QAM	-25.63	11.18	10.00	2.66	V		0.071	18.52		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain(dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
2546.010	Sub6 41/ 100 MHz [30 kHz]	PI/2 BPSK	-21.04	15.33	10.25	2.54	V	< 2.00	0.201	23.04	1	271
		QPSK	-21.02	15.35	10.25	2.54	V		0.202	23.06		
		16-QAM	-22.23	14.14	10.25	2.54	V		0.153	21.85		
		64-QAM	-23.51	12.86	10.25	2.54	V		0.114	20.57		
		256-QAM	-25.70	10.67	10.25	2.54	V		0.069	18.38		
2550.000		PI/2 BPSK	-20.62	15.75	10.20	2.55	V		0.219	23.40	1	1
		QPSK	-20.81	15.56	10.20	2.55	V		0.209	23.21		
		16-QAM	-21.66	14.71	10.20	2.55	V		0.172	22.36		
		64-QAM	-23.23	13.14	10.20	2.55	V		0.120	20.79		
		256-QAM	-25.34	11.03	10.20	2.55	V		0.074	18.68		
2592.990		PI/2 BPSK	-20.81	15.49	10.05	2.50	V		0.201	23.04	1	136
		QPSK	-20.91	15.39	10.05	2.50	V		0.197	22.94		
		16-QAM	-22.16	14.14	10.05	2.50	V		0.148	21.69		
		64-QAM	-23.36	12.94	10.05	2.50	V		0.112	20.49		
		256-QAM	-25.64	10.66	10.05	2.50	V		0.066	18.21		
2640.000		PI/2 BPSK	-20.25	16.70	9.90	2.67	V		0.247	23.93	1	1
		QPSK	-20.37	16.58	9.90	2.67	V		0.240	23.81		
		16-QAM	-21.54	15.41	9.90	2.67	V		0.184	22.64		
		64-QAM	-22.91	14.04	9.90	2.67	V		0.134	21.27		
		256-QAM	-25.11	11.84	9.90	2.67	V		0.081	19.07		

9.2 RADIATED SPURIOUS EMISSIONS

▣ NR Band: n41

▣ Bandwidth: 10 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
500202 (2501.010)	5 002.02	-60.25	10.70	-61.60	3.63	H	-54.53	-25.00	1	22
	7 503.03	-62.85	11.10	-55.84	4.50	H	-49.24	-25.00		
	10 004.04	-63.42	11.20	-54.96	5.26	H	-49.02	-25.00		
	12 505.05	-63.91	12.10	-54.57	6.04	H	-48.51	-25.00		
	15 006.06	-59.24	13.80	-52.64	6.65	H	-45.49	-25.00		
501000 (2505.000)	5 010.00	-60.00	10.70	-61.21	3.59	V	-54.10	-25.00	1	1
	7 515.00	-62.52	11.10	-55.41	4.51	V	-48.82	-25.00		
	10 020.00	-60.53	11.20	-51.44	5.28	V	-45.52	-25.00		
	12 525.00	-61.99	12.10	-52.11	6.02	V	-46.03	-25.00		
	15 030.00	-57.57	13.80	-51.25	6.64	V	-44.09	-25.00		
518598 (2592.990)	5 185.98	-57.90	11.00	-59.40	3.70	H	-52.10	-25.00	1	1
	7 778.97	-64.84	10.90	-57.46	4.61	H	-51.17	-25.00		
	10 371.96	-63.99	11.20	-53.29	5.41	H	-47.50	-25.00		
	12 964.95	-63.69	12.00	-53.76	6.11	H	-47.87	-25.00		
	15 557.94	-62.60	15.40	-57.27	6.77	H	-48.64	-25.00		
537000 (2685.000)	5 370.00	-63.38	11.50	-65.90	3.74	H	-58.14	-25.00	1	1
	8 055.00	-63.58	10.90	-56.37	4.71	H	-50.18	-25.00		
	10 740.00	-64.16	11.10	-53.56	5.50	H	-47.96	-25.00		
	13 425.00	-64.36	11.80	-53.51	6.22	H	-47.93	-25.00		
	16 110.00	-64.47	15.70	-55.33	6.91	H	-46.54	-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	-61.30	10.70	-62.58	3.61	V	-55.49	-25.00	1	36
	7 510.50	-63.68	11.10	-56.61	4.50	V	-50.01	-25.00		
	10 014.00	-62.85	11.20	-54.24	5.27	V	-48.31	-25.00		
	12 517.50	-62.12	12.10	-52.49	6.04	V	-46.43	-25.00		
	15 021.00	-59.55	13.80	-53.07	6.65	V	-45.92	-25.00		
501504 (2507.500)	5 015.00	-60.38	10.70	-61.75	3.57	V	-54.62	-25.00	1	1
	7 522.50	-63.37	11.10	-56.06	4.51	V	-49.47	-25.00		
	10 030.00	-59.60	11.20	-51.04	5.27	V	-45.11	-25.00		
	12 537.50	-62.70	12.10	-52.87	6.00	V	-46.77	-25.00		
	15 045.00	-58.11	13.90	-52.01	6.65	V	-44.76	-25.00		
518598 (2592.990)	5 185.98	-61.31	11.00	-62.81	3.70	H	-55.51	-25.00	1	1
	7 778.97	-62.42	10.90	-55.04	4.61	H	-48.75	-25.00		
	10 371.96	-62.35	11.20	-51.65	5.41	H	-45.86	-25.00		
	12 964.95	-62.81	12.00	-52.88	6.11	H	-46.99	-25.00		
	15 557.94	-60.05	15.40	-54.72	6.77	H	-46.09	-25.00		
536496 (2682.480)	5 364.96	-61.34	11.50	-63.63	3.75	V	-55.88	-25.00	1	1
	8 047.44	-61.42	10.85	-54.24	4.69	V	-48.08	-25.00		
	10 729.92	-63.91	11.10	-52.68	5.47	V	-47.05	-25.00		
	13 412.40	-61.91	11.80	-51.24	6.21	V	-45.65	-25.00		
	16 094.88	-62.76	15.60	-53.30	6.91	V	-44.61	-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	-61.40	10.70	-62.61	3.59	V	-55.50	-25.00	1	49
	7 518.06	-64.66	11.10	-57.55	4.51	V	-50.96	-25.00		
	10 024.08	-62.79	11.20	-53.97	5.27	V	-48.04	-25.00		
	12 530.10	-62.92	12.10	-53.10	6.01	V	-47.01	-25.00		
	15 036.12	-59.05	13.80	-52.81	6.65	V	-45.66	-25.00		
502002 (2510.010)	5 020.02	-61.39	10.70	-62.92	3.55	V	-55.77	-25.00	1	1
	7 530.03	-62.72	11.10	-55.25	4.50	V	-48.65	-25.00		
	10 040.04	-60.76	11.20	-51.50	5.26	V	-45.56	-25.00		
	12 550.05	-63.87	12.10	-54.55	5.99	V	-48.44	-25.00		
	15 060.06	-57.97	14.00	-52.16	6.65	V	-44.81	-25.00		
518598 (2592.990)	5 185.98	-61.12	11.00	-62.62	3.70	V	-55.32	-25.00	1	1
	7 778.97	-62.80	10.90	-55.42	4.61	V	-49.13	-25.00		
	10 371.96	-63.83	11.20	-53.13	5.41	V	-47.34	-25.00		
	12 964.95	-62.73	12.00	-52.80	6.11	V	-46.91	-25.00		
	15 557.94	-61.71	15.40	-56.38	6.77	V	-47.75	-25.00		
535998 (2679.990)	5 359.98	-61.78	11.50	-63.84	3.76	V	-56.10	-25.00	1	1
	8 039.97	-61.50	10.80	-54.33	4.68	V	-48.21	-25.00		
	10 719.96	-63.71	11.10	-52.08	5.46	V	-46.44	-25.00		
	13 399.95	-61.98	11.80	-51.63	6.22	V	-46.05	-25.00		
	16 079.94	-62.88	15.50	-53.60	6.90	V	-45.00	-25.00		

▣ NR Band: n41

▣ Bandwidth: 25 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
501702 (2508.510)	5 017.02	-61.39	10.70	-62.76	3.57	V	-55.63	-25.00	1	32
	7 525.53	-64.10	11.10	-56.79	4.51	V	-50.20	-25.00		
	10 034.04	-62.46	11.20	-53.55	5.27	V	-47.62	-25.00		
	12 542.55	-63.01	12.10	-53.42	6.00	V	-47.32	-25.00		
	15 051.06	-58.49	14.00	-52.43	6.66	V	-45.09	-25.00		
502500 (2512.500)	5 025.00	-61.50	10.95	-63.31	3.56	V	-55.92	-25.00	1	1
	7 537.50	-63.37	11.58	-55.89	4.50	V	-48.81	-25.00		
	10 050.00	-62.22	11.70	-53.79	5.27	V	-47.36	-25.00		
	12 562.50	-63.74	12.90	-54.43	6.01	V	-47.54	-25.00		
	15 075.00	-57.79	14.70	-52.54	6.65	V	-44.49	-25.00		
518598 (2592.990)	5 185.98	-60.68	11.00	-62.18	3.70	V	-54.88	-25.00	1	1
	7 778.97	-63.53	10.90	-56.15	4.61	V	-49.86	-25.00		
	10 371.96	-62.86	11.20	-52.16	5.41	V	-46.37	-25.00		
	12 964.95	-63.18	12.00	-53.25	6.11	V	-47.36	-25.00		
	15 557.94	-61.92	15.40	-56.59	6.77	V	-47.96	-25.00		
535500 (2677.500)	5 355.00	-61.99	11.50	-63.85	3.75	V	-56.10	-25.00	1	1
	8 032.50	-61.67	10.80	-54.67	4.65	V	-48.52	-25.00		
	10 710.00	-63.53	11.10	-51.65	5.47	V	-46.02	-25.00		
	13 387.50	-63.14	11.90	-52.92	6.23	V	-47.25	-25.00		
	16 065.00	-64.89	15.50	-55.84	6.90	V	-47.24	-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	-61.25	10.70	-62.78	3.55	V	-55.63	-25.00	1	76
	7 533.00	-64.65	11.10	-57.17	4.50	V	-50.57	-25.00		
	10 044.00	-62.85	11.15	-54.00	5.27	V	-48.12	-25.00		
	12 555.00	-64.27	12.10	-54.96	6.00	V	-48.86	-25.00		
	15 066.00	-56.91	14.00	-51.30	6.65	V	-43.95	-25.00		
503004 (2515.020)	5 030.04	-61.15	10.70	-63.25	3.56	V	-56.11	-25.00	1	1
	7 545.06	-64.77	11.10	-57.43	4.50	V	-50.83	-25.00		
	10 060.08	-63.50	11.15	-54.76	5.27	V	-48.88	-25.00		
	12 575.10	-64.64	12.10	-55.12	6.05	V	-49.07	-25.00		
	15 090.12	-59.14	14.00	-54.00	6.66	V	-46.66	-25.00		
518598 (2592.990)	5 185.98	-59.09	11.00	-60.59	3.70	V	-53.29	-25.00	1	1
	7 778.97	-62.92	10.90	-55.54	4.61	V	-49.25	-25.00		
	10 371.96	-62.77	11.20	-52.07	5.41	V	-46.28	-25.00		
	12 964.95	-62.38	12.00	-52.45	6.11	V	-46.56	-25.00		
	15 557.94	-60.55	15.40	-55.22	6.77	V	-46.59	-25.00		
534996 (2674.980)	5 349.96	-62.78	11.50	-64.43	3.75	V	-56.68	-25.00	1	1
	8 024.94	-62.85	10.80	-56.14	4.62	V	-49.96	-25.00		
	10 699.92	-64.49	11.10	-52.81	5.48	V	-47.19	-25.00		
	13 374.90	-62.27	11.90	-52.21	6.23	V	-46.54	-25.00		
	16 049.88	-63.74	15.50	-54.89	6.90	V	-46.29	-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	-61.67	10.70	-63.77	3.56	V	-56.63	-25.00	1	53
	7 548.03	-65.12	11.10	-57.78	4.50	V	-51.18	-25.00		
	10 064.04	-62.63	11.10	-53.82	5.28	V	-48.00	-25.00		
	12 580.05	-63.03	12.10	-53.40	6.06	V	-47.36	-25.00		
	15 096.06	-59.46	14.05	-54.13	6.67	V	-46.75	-25.00		
504000 (2520.000)	5 040.00	-60.86	10.70	-62.83	3.60	V	-55.73	-25.00	1	1
	7 560.00	-64.61	11.10	-57.62	4.51	V	-51.03	-25.00		
	10 080.00	-62.22	11.10	-53.17	5.29	V	-47.36	-25.00		
	12 600.00	-62.32	12.00	-52.60	6.06	V	-46.66	-25.00		
	15 120.00	-59.62	14.10	-53.53	6.68	V	-46.11	-25.00		
518598 (2592.990)	5 185.98	-58.63	11.00	-60.13	3.70	V	-52.83	-25.00	1	1
	7 778.97	-61.56	10.90	-54.18	4.61	V	-47.89	-25.00		
	10 371.96	-63.78	11.20	-53.08	5.41	V	-47.29	-25.00		
	12 964.95	-62.27	12.00	-52.34	6.11	V	-46.45	-25.00		
	15 557.94	-60.62	15.40	-55.29	6.77	V	-46.66	-25.00		
534000 (2670.000)	5 340.00	-61.33	11.40	-63.03	3.75	V	-55.38	-25.00	1	1
	8 010.00	-61.48	10.80	-54.41	4.62	V	-48.23	-25.00		
	10 680.00	-63.56	11.10	-52.10	5.46	V	-46.46	-25.00		
	13 350.00	-62.33	11.90	-52.28	6.21	V	-46.59	-25.00		
	16 020.00	-62.09	15.20	-53.74	6.68	V	-45.22	-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	-60.61	10.70	-62.58	3.60	V	-55.48	-25.00	1	66
	7 563.06	-63.81	11.10	-56.99	4.52	V	-50.41	-25.00		
	10 084.08	-62.09	11.10	-52.87	5.30	V	-47.07	-25.00		
	12 605.10	-63.40	12.00	-53.90	6.05	V	-47.95	-25.00		
	15 126.12	-58.02	14.10	-52.06	6.67	V	-44.63	-25.00		
505002 (2525.010)	5 050.02	-60.62	10.70	-62.27	3.63	V	-55.20	-25.00	1	1
	7 575.03	-64.26	11.10	-57.54	4.54	V	-50.98	-25.00		
	10 100.04	-62.03	11.10	-53.17	5.29	V	-47.36	-25.00		
	12 625.05	-63.19	12.00	-53.91	6.02	V	-47.93	-25.00		
	15 150.06	-59.35	14.20	-54.05	6.67	V	-46.52	-25.00		
518598 (2592.990)	5 185.98	-61.50	11.00	-63.00	3.70	V	-55.70	-25.00	1	66
	7 778.97	-64.84	10.90	-57.46	4.61	V	-51.17	-25.00		
	10 371.96	-62.13	11.20	-51.43	5.41	V	-45.64	-25.00		
	12 964.95	-63.05	12.00	-53.12	6.11	V	-47.23	-25.00		
	15 557.94	-59.83	15.40	-54.50	6.77	V	-45.87	-25.00		
532998 (2664.990)	5 329.98	-61.15	11.40	-63.12	3.71	V	-55.43	-25.00	1	1
	7 994.97	-61.79	10.75	-54.38	4.66	V	-48.29	-25.00		
	10 659.96	-61.91	11.10	-49.75	5.49	V	-44.14	-25.00		
	13 324.95	-62.65	12.00	-51.94	6.19	V	-46.13	-25.00		
	15 989.94	-57.57	15.10	-49.75	6.88	V	-41.53	-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	-61.30	10.70	-62.95	3.63	V	-55.88	-25.00	1	80
	7 578.00	-63.92	11.10	-57.13	4.54	V	-50.57	-25.00		
	10 104.00	-62.75	11.10	-53.91	5.29	V	-48.10	-25.00		
	12 630.00	-63.13	12.00	-53.90	6.02	V	-47.92	-25.00		
	15 156.00	-59.30	14.20	-53.81	6.67	V	-46.28	-25.00		
506004 (2530.020)	5 060.04	-60.57	10.70	-61.55	3.65	V	-54.50	-25.00	1	1
	7 590.06	-63.66	11.10	-56.76	4.54	V	-50.20	-25.00		
	10 120.08	-62.83	11.10	-54.22	5.29	V	-48.41	-25.00		
	12 650.10	-63.56	11.90	-54.16	6.03	V	-48.29	-25.00		
	15 180.12	-59.81	14.20	-54.31	6.67	V	-46.78	-25.00		
518598 (2592.990)	5 185.98	-59.72	11.00	-61.22	3.70	V	-53.92	-25.00	1	80
	7 778.97	-64.64	10.90	-57.26	4.61	V	-50.97	-25.00		
	10 371.96	-64.51	11.20	-53.81	5.41	V	-48.02	-25.00		
	12 964.95	-63.49	12.00	-53.56	6.11	V	-47.67	-25.00		
	15 557.94	-61.50	15.40	-56.17	6.77	V	-47.54	-25.00		
531996 (2659.980)	5 319.96	-61.95	11.40	-64.69	3.66	V	-56.95	-25.00	1	1
	7 979.94	-63.73	10.70	-56.48	4.67	V	-50.45	-25.00		
	10 639.92	-63.07	11.20	-51.64	5.49	V	-45.93	-25.00		
	13 299.90	-63.61	12.00	-53.46	6.19	V	-47.65	-25.00		
	15 959.88	-61.50	15.10	-52.84	6.87	V	-44.61	-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	-60.72	10.70	-61.70	3.65	V	-54.65	-25.00	1	187
	7 593.03	-63.03	11.15	-55.99	4.53	V	-49.37	-25.00		
	10 124.04	-62.05	11.10	-53.17	5.30	V	-47.37	-25.00		
	12 655.05	-63.87	11.90	-54.36	6.03	V	-48.49	-25.00		
	15 186.06	-59.42	14.20	-54.17	6.67	V	-46.64	-25.00		
507000 (2535.000)	5 070.00	-60.98	10.70	-62.26	3.62	V	-55.18	-25.00	1	1
	7 605.00	-61.77	11.20	-54.76	4.52	V	-48.08	-25.00		
	10 140.00	-62.38	11.10	-52.72	5.31	V	-46.93	-25.00		
	12 675.00	-62.21	11.90	-52.36	6.05	V	-46.51	-25.00		
	15 210.00	-58.87	14.40	-54.15	6.67	V	-46.42	-25.00		
518598 (2592.990)	5 185.98	-59.14	11.00	-60.64	3.70	V	-53.34	-25.00	1	94
	7 778.97	-63.79	10.90	-56.41	4.61	V	-50.12	-25.00		
	10 371.96	-64.38	11.20	-53.68	5.41	V	-47.89	-25.00		
	12 964.95	-63.23	12.00	-53.30	6.11	V	-47.41	-25.00		
	15 557.94	-59.90	15.40	-54.57	6.77	V	-45.94	-25.00		
531000 (2655.000)	5 310.00	-57.22	11.40	-59.46	3.65	V	-51.71	-25.00	1	1
	7 965.00	-63.33	10.70	-56.16	4.65	V	-50.11	-25.00		
	10 620.00	-64.68	11.20	-53.99	5.41	V	-48.20	-25.00		
	13 275.00	-64.14	12.10	-53.81	6.22	V	-47.93	-25.00		
	15 930.00	-61.13	15.00	-52.86	6.88	V	-44.74	-25.00		

▣ NR Band: n41

▣ Bandwidth: 80 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
507204 (2536.020)	5 072.04	-61.20	10.70	-62.48	3.62	V	-55.40	-25.00	1	215
	7 608.06	-63.27	11.20	-56.26	4.52	V	-49.58	-25.00		
	10 144.08	-63.64	11.05	-54.17	5.32	V	-48.44	-25.00		
	12 680.10	-62.36	11.90	-52.15	6.06	V	-46.31	-25.00		
	15 216.12	-60.65	14.40	-55.69	6.69	V	-47.98	-25.00		
508002 (2540.010)	5 080.02	-60.86	10.70	-62.50	3.61	V	-55.41	-25.00	1	1
	7 620.03	-61.92	11.20	-55.45	4.52	V	-48.77	-25.00		
	10 160.04	-63.71	11.00	-54.25	5.33	V	-48.58	-25.00		
	12 700.05	-61.74	11.90	-50.99	6.06	V	-45.15	-25.00		
	15 240.06	-62.40	14.40	-56.50	6.74	V	-48.84	-25.00		
518598 (2592.990)	5 185.98	-58.45	11.00	-59.95	3.70	V	-52.65	-25.00	1	108
	7 778.97	-63.05	10.90	-55.67	4.61	V	-49.38	-25.00		
	10 371.96	-63.52	11.20	-52.82	5.41	V	-47.03	-25.00		
	12 964.95	-61.89	12.00	-51.96	6.11	V	-46.07	-25.00		
	15 557.94	-60.45	15.40	-55.12	6.77	V	-46.49	-25.00		
529998 (2649.990)	5 299.98	-62.01	11.40	-64.12	3.69	V	-56.41	-25.00	1	1
	7 949.97	-61.88	10.70	-54.57	4.64	V	-48.51	-25.00		
	10 599.96	-62.84	11.20	-51.65	5.41	V	-45.86	-25.00		
	13 249.95	-63.55	12.10	-53.49	6.18	V	-47.57	-25.00		
	15 899.94	-63.00	15.00	-55.17	6.87	V	-47.04	-25.00		

▣ NR Band: n41

▣ Bandwidth: 90 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
508200 (2541.000)	5 082.00	-60.45	10.70	-62.09	3.61	V	-55.00	-25.00	1	243
	7 623.00	-62.01	11.20	-55.61	4.52	V	-48.93	-25.00		
	10 164.00	-63.83	11.00	-54.75	5.33	V	-49.08	-25.00		
	12 705.00	-62.95	11.90	-52.43	6.06	V	-46.59	-25.00		
	15 246.00	-63.17	14.50	-57.29	6.73	V	-49.52	-25.00		
509004 (2545.020)	5 090.04	-60.85	10.70	-63.00	3.64	V	-55.94	-25.00	1	1
	7 635.06	-61.91	11.20	-55.52	4.53	V	-48.85	-25.00		
	10 180.08	-62.57	11.00	-52.95	5.33	V	-47.28	-25.00		
	12 725.10	-63.78	11.90	-53.28	6.03	V	-47.41	-25.00		
	15 270.12	-60.03	14.60	-54.24	6.72	V	-46.36	-25.00		
518598 (2592.990)	5 185.98	-60.91	11.00	-62.41	3.70	V	-55.11	-25.00	1	1
	7 778.97	-61.94	10.90	-54.56	4.61	V	-48.27	-25.00		
	10 371.96	-63.13	11.20	-52.43	5.41	V	-46.64	-25.00		
	12 964.95	-62.38	12.00	-52.45	6.11	V	-46.56	-25.00		
	15 557.94	-62.33	15.40	-57.00	6.77	V	-48.37	-25.00		
528996 (2644.980)	5 289.96	-59.82	11.30	-61.29	3.73	V	-53.72	-25.00	1	1
	7 934.94	-61.87	10.70	-54.52	4.64	V	-48.46	-25.00		
	10 579.92	-63.30	11.20	-52.85	5.46	V	-47.11	-25.00		
	13 224.90	-62.79	12.10	-52.76	6.16	V	-46.82	-25.00		
	15 869.88	-62.80	14.90	-56.05	6.85	V	-48.00	-25.00		

▣ NR Band: n41

▣ Bandwidth: 100 MHz

▣ Modulation: PI/2 BPSK

▣ Distance: 1 meter

▣ SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
509202 (2546.010)	5 092.02	-61.76	10.70	-63.91	3.64	V	-56.85	-25.00	1	271
	7 638.03	-62.88	11.20	-56.49	4.53	V	-49.82	-25.00		
	10 184.04	-62.81	11.00	-53.35	5.33	V	-47.68	-25.00		
	12 730.05	-64.47	11.90	-54.02	6.02	V	-48.14	-25.00		
	15 276.06	-59.10	14.60	-53.23	6.71	V	-45.34	-25.00		
510000 (2550.000)	5 100.00	-61.91	10.80	-63.81	3.66	V	-56.67	-25.00	1	1
	7 650.00	-62.37	11.10	-55.52	4.53	V	-48.95	-25.00		
	10 200.00	-63.28	11.00	-52.85	5.33	V	-47.18	-25.00		
	12 750.00	-63.81	11.80	-52.85	6.04	V	-47.09	-25.00		
	15 300.00	-59.67	14.90	-53.57	6.72	V	-45.39	-25.00		
518598 (2592.990)	5 185.98	-59.99	11.00	-61.49	3.70	V	-54.19	-25.00	1	136
	7 778.97	-64.38	10.90	-57.00	4.61	V	-50.71	-25.00		
	10 371.96	-63.72	11.20	-53.02	5.41	V	-47.23	-25.00		
	12 964.95	-64.29	12.00	-54.36	6.11	V	-48.47	-25.00		
	15 557.94	-61.99	15.40	-56.66	6.77	V	-48.03	-25.00		
528000 (2640.000)	5 280.00	-61.37	11.30	-63.28	3.75	V	-55.73	-25.00	1	1
	7 920.00	-61.90	10.70	-54.72	4.63	V	-48.65	-25.00		
	10 560.00	-63.51	11.20	-53.60	5.45	V	-47.85	-25.00		
	13 200.00	-62.84	12.10	-52.40	6.19	V	-46.49	-25.00		
	15 840.00	-61.41	14.90	-54.30	6.84	V	-46.24	-25.00		

9.3 PEAK-TO-AVERAGE RATIO

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (dB)
Sub6 n41	10 MHz	2592.990	BPSK	24	0	3.88
			QPSK			4.45
			16-QAM			5.44
			64-QAM			5.86
			256-QAM			6.70
	15 MHz		BPSK	36		3.79
			QPSK			4.36
			16-QAM			5.27
			64-QAM			5.80
			256-QAM			6.55
	20 MHz		BPSK	50		3.70
			QPSK			4.36
			16-QAM			5.31
			64-QAM			5.74
			256-QAM			6.56
	25 MHz		BPSK	64		4.92
			QPSK			5.42
			16-QAM			6.46
			64-QAM			6.84
			256-QAM			6.95
	30 MHz		BPSK	75		3.88
			QPSK			4.39
			16-QAM			5.29
			64-QAM			5.89
			256-QAM			6.61
	40 MHz		BPSK	100		3.80
			QPSK			4.38
			16-QAM			5.38
			64-QAM			5.82
			256-QAM			6.60
	50 MHz		BPSK	128		3.94
			QPSK			4.48
			16-QAM			5.48
			64-QAM			5.92
			256-QAM			6.64
	60 MHz		BPSK	162		4.11
			QPSK			4.65
			16-QAM			5.60
			64-QAM			6.09
			256-QAM			6.68
	70 MHz		BPSK	180		3.97
			QPSK			4.50
			16-QAM			5.57
			64-QAM			5.98
			256-QAM			6.62
	80 MHz		BPSK	216		4.08
			QPSK			4.63
			16-QAM			5.60
			64-QAM			6.11
			256-QAM			6.64
	90 MHz		BPSK	243		4.04
			QPSK			4.57
			16-QAM			5.53
			64-QAM			5.98
			256-QAM			6.64
	100 MHz		BPSK	270		4.53
			QPSK			5.03
			16-QAM			5.81
			64-QAM			6.31
			256-QAM			6.68

Note:
1. Plots of the EUT's Peak- to- Average Ratio are shown Page 523 ~ 582.

9.4 OCCUPIED BANDWIDTH

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (MHz)
Sub6 n41	10 MHz	2592.990	BPSK	24	0	8.6481
			QPSK			8.6326
			16-QAM			8.6516
			64-QAM			8.6561
			256-QAM			8.6148
	15 MHz		BPSK	36		13.011
			QPSK			12.980
			16-QAM			12.928
			64-QAM			12.990
			256-QAM			12.977
	20 MHz		BPSK	50		17.997
			QPSK			17.983
			16-QAM			17.973
			64-QAM			17.959
			256-QAM			17.939
	25 MHz		BPSK	64		22.971
			QPSK			23.072
			16-QAM			23.012
			64-QAM			23.016
			256-QAM			22.995
	30 MHz		BPSK	75		26.967
			QPSK			26.957
			16-QAM			27.013
			64-QAM			26.913
			256-QAM			26.865
	40 MHz		BPSK	100		35.913
			QPSK			35.973
			16-QAM			35.913
			64-QAM			35.923
			256-QAM			35.914
	50 MHz		BPSK	128		45.862
			QPSK			45.876
			16-QAM			46.054
			64-QAM			45.963
			256-QAM			45.891
	60 MHz		BPSK	162		58.322
			QPSK			58.013
			16-QAM			58.092
			64-QAM			58.004
			256-QAM			58.069
	70 MHz		BPSK	180		64.617
			QPSK			64.602
			16-QAM			64.641
			64-QAM			64.533
			256-QAM			64.707
	80 MHz		BPSK	216		77.403
			QPSK			77.343
			16-QAM			77.484
			64-QAM			77.479
			256-QAM			77.337
	90 MHz		BPSK	243		87.140
			QPSK			87.290
			16-QAM			87.120
			64-QAM			87.121
			256-QAM			87.120
	100 MHz		BPSK	270		96.948
			QPSK			96.974
			16-QAM			96.723
			64-QAM			96.765
			256-QAM			96.689

Note:
1. Plots of the EUT's Occupied Bandwidth are shown Page 463 ~ 522.

9.5 CONDUCTED SPURIOUS EMISSIONS

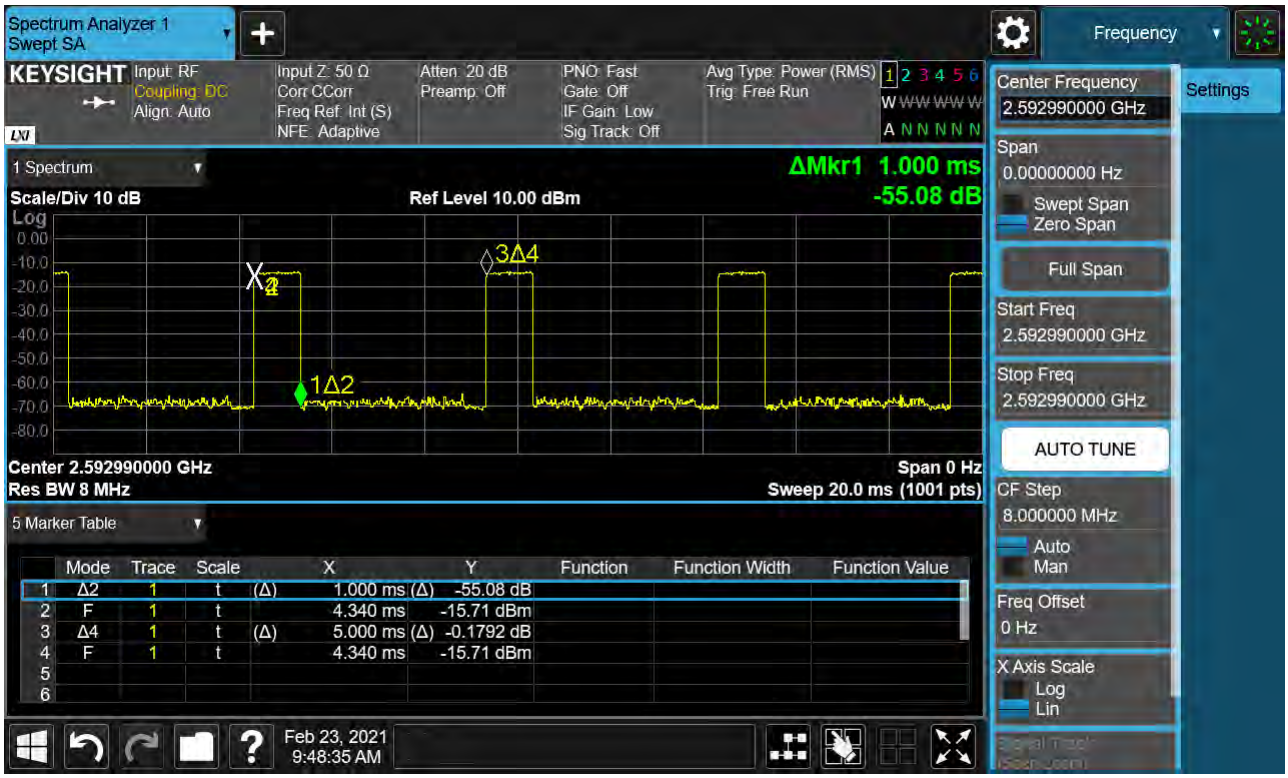
Band	Band Width (MHz)	Frequency (MHz)	Frequency of Maximum Harmonic (GHz)	Factor (dB)	Measurement Maximum Data (dBm)	Result (dBm)	Limit (dBm)
Sub6 n41	10	2501.010	4.0728	37.190	-70.424	-33.234	-25.00
		2505.000	8.5838	37.805	-70.354	-32.549	
		2592.990	9.6515	37.805	-71.235	-33.430	
		2685.000	9.6690	37.805	-70.974	-33.169	
	15	2503.500	8.0030	37.805	-70.742	-32.937	
		2507.520	8.0115	37.805	-70.675	-32.870	
		2592.990	4.9008	37.190	-70.561	-33.371	
		2682.480	8.2592	37.805	-71.006	-33.201	
	20	2506.020	8.2687	37.805	-70.840	-33.035	
		2510.010	8.2557	37.805	-69.239	-31.434	
		2592.990	4.0140	37.190	-70.784	-33.594	
		2679.990	3.7613	37.190	-70.907	-33.717	
	25	2508.480	7.1700	37.805	-70.286	-32.481	
		2512.500	3.8236	37.190	-70.517	-33.327	
		2592.990	4.0703	37.190	-71.071	-33.881	
		2677.500	3.7648	37.190	-70.658	-33.468	
	30	2511.000	4.0698	37.190	-70.234	-33.044	
		2515.000	4.9592	37.190	-70.573	-33.383	
		2592.990	8.0130	37.805	-70.970	-33.165	
		2674.980	9.0583	37.805	-71.072	-33.267	
	40	2516.010	8.8410	37.805	-71.526	-33.721	
		2520.000	8.2951	37.805	-70.747	-32.942	
		2592.990	4.9163	37.190	-71.079	-33.889	
		2670.000	4.0295	37.190	-71.010	-33.820	
	50	2521.020	8.3151	37.805	-70.833	-33.028	
		2525.010	9.9307	37.805	-69.460	-31.655	
		2592.990	8.2612	37.805	-70.923	-33.118	
		2664.990	4.0664	37.190	-70.794	-33.604	
	60	2526.000	5.9721	37.805	-70.952	-33.147	
		2530.020	3.8121	37.190	-70.502	-33.312	
		2592.990	4.0210	37.190	-71.003	-33.813	
		2659.980	3.8041	37.190	-70.892	-33.702	
	70	2531.010	4.0509	37.190	-70.864	-33.674	
		2535.000	9.1521	37.805	-70.862	-33.057	
		2592.990	4.0434	37.190	-70.163	-32.973	
		2655.000	9.6645	37.805	-69.511	-31.706	
	80	2536.020	4.0320	37.190	-70.339	-33.149	
		2540.010	8.2812	37.805	-71.520	-33.715	
		2592.990	9.9601	37.805	-70.691	-32.886	
		2649.990	4.0255	37.190	-70.151	-32.961	
	90	2541.000	7.1895	37.805	-71.664	-33.859	
		2545.020	4.0439	37.190	-70.826	-33.636	
		2592.990	9.7263	37.805	-70.467	-32.662	
		2644.980	4.0340	37.190	-71.267	-34.077	
	100	2546.010	9.9312	37.805	-70.973	-33.168	
		2550.000	6.0270	37.805	-70.981	-33.176	
		2592.990	8.8350	37.805	-71.256	-33.451	
		2640.000	5.2498	37.805	-71.171	-33.366	

Note:

1. Plots of the EUT's Conducted Spurious Emissions are shown Page 715 ~ 810.

2. Duty Cycle factor already applied on the factor.

- Duty Cycle Factor(dB) = 6.99



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

- Result(dBm) = Reading + Factor

3. Factor(dB)

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

9.6 CHANNEL EDGE

BW (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	-24.38	-22.77	-30.64	-29.83	-33.98	-31.14	-36.09
	2505.000	BPSK	Full RB	-20.91	-22.63	-25.75	-25.17	-37.57	-26.93	-33.44
15	2503.500	BPSK	Full RB	-23.63	-31.51	-29.87	-31.02	-29.70	-29.29	-39.04
	2507.520	BPSK	Full RB	-20.98	-26.62	-24.33	-21.50	-29.35	-23.47	-36.49
20	2506.020	BPSK	Full RB	-25.57	-27.99	-29.97	-31.58	-31.05	-29.64	-38.62
	2510.010	BPSK	Full RB	-22.53	-25.76	-28.80	-26.51	-30.17	-29.21	-38.31
25	2508.480	BPSK	Full RB	-21.40	-23.37	-23.20	-23.19	-27.80	-26.78	-37.34
	2512.500	BPSK	Full RB	-23.16	-24.32	-27.25	-26.60	-27.60	-27.87	-39.49
30	2511.000	BPSK	Full RB	-26.37	-32.02	-32.44	-31.46	-35.21	-28.73	-40.14
	2515.000	BPSK	Full RB	-23.35	-27.98	-30.89	-28.34	-31.06	-30.94	-41.42
40	2520.000	BPSK	Full RB	-24.89	-30.26	-30.69	-30.66	-34.75	-29.43	-39.65
	2520.000	BPSK	Full RB	-23.99	-26.19	-31.13	-28.30	-31.56	-28.95	-41.19
50	2525.010	BPSK	Full RB	-25.43	-29.08	-32.69	-30.76	-35.28	-29.63	-38.46
	2525.010	BPSK	Full RB	-20.55	-23.09	-24.40	-23.84	-29.69	-24.32	-38.50
60	2530.020	BPSK	Full RB	-17.81	-19.36	-32.22	-31.38	-34.99	-29.69	-39.82
	2530.020	BPSK	Full RB	-16.72	-18.84	-30.28	-26.22	-33.79	-26.84	-41.46
70	2531.010	BPSK	Full RB	-24.37	-30.20	-31.98	-31.96	-32.36	-31.58	-37.76
	2535.000	BPSK	Full RB	-22.37	-25.74	-25.86	-26.72	-28.70	-26.55	-42.08
80	2540.010	BPSK	Full RB	-24.44	-30.40	-31.79	-32.98	-31.09	-32.04	-39.06
	2540.010	BPSK	Full RB	-20.97	-25.04	-26.34	-26.25	-30.54	-28.30	-42.84
90	2545.020	BPSK	Full RB	-21.38	-30.89	-30.87	-31.57	-29.77	-30.53	-37.61
	2545.020	BPSK	Full RB	-20.07	-26.49	-27.46	-26.90	-31.18	-29.55	-44.59
100	2550.000	BPSK	Full RB	-20.32	-30.12	-29.46	-31.47	-29.84	-30.21	-39.60
	2550.000	BPSK	Full RB	-18.97	-28.32	-28.28	-28.99	-30.97	-29.58	-46.73
Limit (dBm)				-13.0	-10.0	-13.0	-10.0	-25.0	-13.0	-25.0

Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resoure Block Offset	C.E ~ (C.E ± 1 MHz)		(C.E ± 1 MHz) ~ (C.E ± 5 MHz)	
					Lower	Upper	Lower	Upper
10 MHz	2592.990	BPSK	Full RB	0	-22.55	-22.58	-28.45	-29.36
	2685.000	BPSK	Full RB	0	-20.19	-23.88	-26.88	-29.15
15 MHz	2592.990	BPSK	Full RB	0	-22.31	-33.34	-30.52	-33.60
	2682.480	BPSK	Full RB	0	-21.24	-31.99	-26.80	-33.52
20 MHz	2592.990	BPSK	Full RB	0	-23.64	-30.12	-31.92	-33.06
	2679.990	BPSK	Full RB	0	-22.62	-28.89	-26.39	-30.79
25 MHz	2592.990	BPSK	Full RB	0	-23.55	-29.13	-29.31	-32.07
	2677.500	BPSK	Full RB	0	-23.01	-27.96	-25.24	-30.78
30 MHz	2592.990	BPSK	Full RB	0	-24.82	-33.23	-33.68	-33.36
	2679.990	BPSK	Full RB	0	-23.60	-33.35	-27.94	-32.85
40 MHz	2592.990	BPSK	Full RB	0	-25.06	-33.36	-35.22	-33.45
	2670.000	BPSK	Full RB	0	-21.94	-30.23	-27.78	-31.05
50 MHz	2592.990	BPSK	Full RB	0	-24.02	-29.21	-33.00	-29.38
	2664.990	BPSK	Full RB	0	-24.54	-30.26	-29.88	-31.77
60 MHz	2592.990	BPSK	Full RB	0	-17.29	-17.75	-28.78	-28.09
	2659.980	BPSK	Full RB	0	-17.28	-19.68	-30.24	-28.08
70 MHz	2592.990	BPSK	Full RB	0	-24.20	-30.94	-33.61	-30.89
	2655.000	BPSK	Full RB	0	-22.14	-34.33	-30.61	-34.96
80 MHz	2592.990	BPSK	Full RB	0	-22.43	-27.01	-33.55	-28.96
	2649.990	BPSK	Full RB	0	-22.89	-31.18	-30.57	-34.75
90 MHz	2592.990	BPSK	Full RB	0	-20.79	-29.39	-30.46	-30.21
	2644.980	BPSK	Full RB	0	-20.76	-33.11	-29.96	-35.51
100 MHz	2592.990	BPSK	Full RB	0	-19.40	-29.28	-29.64	-28.84
	2640.000	BPSK	Full RB	0	-18.16	-33.67	-29.92	-34.28
Limit (dBm)					-10.0		-10.0	

Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resoure Block Offset	(C.E ± 5 MHz) ~ (C.E ± X MHz)		Above (C.E ± X MHz)	
					Lower	Upper	Lower	Upper
10 MHz	2592.990	BPSK	Full RB	0	-33.09	-34.90	-34.59	-32.11
	2685.000	BPSK	Full RB	0	-28.96	-35.41	-35.48	-35.51
15 MHz	2592.990	BPSK	Full RB	0	-33.57	-33.00	-39.29	-38.07
	2682.480	BPSK	Full RB	0	-26.41	-34.98	-40.61	-38.77
20 MHz	2592.990	BPSK	Full RB	0	-34.37	-32.30	-38.25	-36.75
	2679.990	BPSK	Full RB	0	-26.41	-36.57	-37.83	-41.60
25 MHz	2592.990	BPSK	Full RB	0	-30.26	-32.83	-44.60	-40.53
	2677.500	BPSK	Full RB	0	-26.09	-32.39	-42.16	-46.23
30 MHz	2592.990	BPSK	Full RB	0	-32.39	-29.92	-41.00	-40.33
	2679.990	BPSK	Full RB	0	-29.21	-35.69	-38.30	-47.79
40 MHz	2592.990	BPSK	Full RB	0	-34.49	-31.53	-40.61	-38.53
	2670.000	BPSK	Full RB	0	-30.08	-35.25	-40.46	-48.03
50 MHz	2592.990	BPSK	Full RB	0	-32.04	-31.49	-43.30	-39.50
	2664.990	BPSK	Full RB	0	-31.49	-35.10	-41.13	-48.03
60 MHz	2592.990	BPSK	Full RB	0	-29.42	-29.02	-40.91	-37.02
	2659.980	BPSK	Full RB	0	-28.53	-27.96	-38.86	-47.91
70 MHz	2592.990	BPSK	Full RB	0	-33.14	-29.24	-45.61	-39.14
	2655.000	BPSK	Full RB	0	-31.16	-35.54	-46.28	-48.06
80 MHz	2592.990	BPSK	Full RB	0	-30.73	-27.93	-47.87	-39.46
	2649.990	BPSK	Full RB	0	-29.62	-33.76	-44.99	-48.17
90 MHz	2592.990	BPSK	Full RB	0	-30.12	-27.86	-48.17	-47.86
	2644.980	BPSK	Full RB	0	-29.39	-34.88	-43.53	-48.11
100 MHz	2592.990	BPSK	Full RB	0	-29.18	-29.47	-48.25	-48.04
	2640.000	BPSK	Full RB	0	-27.94	-31.66	-39.48	-48.12
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 583 ~ 714. (1RB & Full RB)

9.7 FREQUENCY STABILITY / VARIATION OF AMBIENT TEMPERATURE

▣ BandWidth: 10 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy (MHz)	Voltage (%)	Temp. (℃)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
2501.010	100 %	+20(Ref)	2501 009 993	0.0	0.000 000	0.000
	100 %	-30	2501 009 990	-3.6	0.000 000	-0.001
	100 %	-20	2501 009 981	-12.3	0.000 000	-0.005
	100 %	-10	2501 009 983	-10.4	0.000 000	-0.004
	100 %	0	2501 009 981	-12.3	0.000 000	-0.005
	100 %	+10	2501 009 980	-13.6	-0.000 001	-0.005
	100 %	+30	2501 009 982	-11.2	0.000 000	-0.004
	100 %	+40	2501 009 980	-13.6	-0.000 001	-0.005
	100 %	+50	2501 009 989	-4.5	0.000 000	-0.002
	Batt. Endpoint	+20	2501 009 987	-5.8	0.000 000	-0.002
2505.000	100 %	+20(Ref)	2504 999 987	0.0	0.000 000	0.000
	100 %	-30	2504 999 976	-11.3	0.000 000	-0.005
	100 %	-20	2504 999 982	-5.0	0.000 000	-0.002
	100 %	-10	2504 999 979	-8.6	0.000 000	-0.003
	100 %	0	2504 999 982	-4.7	0.000 000	-0.002
	100 %	+10	2504 999 977	-9.7	0.000 000	-0.004
	100 %	+30	2504 999 979	-8.3	0.000 000	-0.003
	100 %	+40	2504 999 979	-7.8	0.000 000	-0.003
	100 %	+50	2504 999 985	-1.8	0.000 000	-0.001
	Batt. Endpoint	+20	2504 999 982	-5.4	0.000 000	-0.002
2685.000	100 %	+20(Ref)	2684 999 985	0.0	0.000 000	0.000
	100 %	-30	2684 999 974	-11.5	0.000 000	-0.004
	100 %	-20	2684 999 974	-10.8	0.000 000	-0.004
	100 %	-10	2684 999 981	-4.4	0.000 000	-0.002
	100 %	0	2684 999 979	-5.7	0.000 000	-0.002
	100 %	+10	2684 999 971	-13.7	-0.000 001	-0.005
	100 %	+30	2684 999 978	-7.2	0.000 000	-0.003
	100 %	+40	2684 999 975	-10.2	0.000 000	-0.004
	100 %	+50	2684 999 975	-10.0	0.000 000	-0.004
	Batt. Endpoint	+20	2684 999 976	-9.1	0.000 000	-0.003

▣ BandWidth: 15 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy (MHz)	Voltage (%)	Temp. (℃)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
2503.500	100 %	+20(Ref)	2503 499 990	0.0	0.000 000	0.000
	100 %	-30	2503 499 982	-8.1	0.000 000	-0.003
	100 %	-20	2503 499 981	-9.6	0.000 000	-0.004
	100 %	-10	2503 499 979	-11.6	0.000 000	-0.005
	100 %	0	2503 499 984	-6.2	0.000 000	-0.002
	100 %	+10	2503 499 979	-11.4	0.000 000	-0.005
	100 %	+30	2503 499 978	-11.9	0.000 000	-0.005
	100 %	+40	2503 499 980	-10.2	0.000 000	-0.004
	100 %	+50	2503 499 985	-5.2	0.000 000	-0.002
	Batt. Endpoint	+20	2503 499 973	-17.5	-0.000 001	-0.007
2507.520	100 %	+20(Ref)	2507 519 993	0.0	0.000 000	0.000
	100 %	-30	2507 519 982	-10.9	0.000 000	-0.004
	100 %	-20	2507 519 986	-6.4	0.000 000	-0.003
	100 %	-10	2507 519 983	-9.9	0.000 000	-0.004
	100 %	0	2507 519 983	-9.7	0.000 000	-0.004
	100 %	+10	2507 519 980	-12.4	0.000 000	-0.005
	100 %	+30	2507 519 987	-5.7	0.000 000	-0.002
	100 %	+40	2507 519 980	-12.6	-0.000 001	-0.005
	100 %	+50	2507 519 985	-7.1	0.000 000	-0.003
	Batt. Endpoint	+20	2507 519 984	-8.6	0.000 000	-0.003
2682.480	100 %	+20(Ref)	2682 479 983	0.0	0.000 000	0.000
	100 %	-30	2682 479 972	-11.9	0.000 000	-0.004
	100 %	-20	2682 479 969	-14.7	-0.000 001	-0.005
	100 %	-10	2682 479 968	-15.8	-0.000 001	-0.006
	100 %	0	2682 479 969	-14.4	-0.000 001	-0.005
	100 %	+10	2682 479 973	-10.3	0.000 000	-0.004
	100 %	+30	2682 479 970	-13.2	0.000 000	-0.005
	100 %	+40	2682 479 974	-9.3	0.000 000	-0.003
	100 %	+50	2682 479 973	-10.4	0.000 000	-0.004
	Batt. Endpoint	+20	2682 479 972	-11.9	0.000 000	-0.004

▣ BandWidth: 20 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy (MHz)	Voltage (%)	Temp. (℃)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
2506.020	100 %	+20(Ref)	2506 019 994	0.0	0.000 000	0.000
	100 %	-30	2506 019 989	-5.3	0.000 000	-0.002
	100 %	-20	2506 019 986	-8.4	0.000 000	-0.003
	100 %	-10	2506 019 989	-5.5	0.000 000	-0.002
	100 %	0	2506 019 987	-6.8	0.000 000	-0.003
	100 %	+10	2506 019 984	-10.3	0.000 000	-0.004
	100 %	+30	2506 019 985	-8.9	0.000 000	-0.004
	100 %	+40	2506 019 989	-4.9	0.000 000	-0.002
	100 %	+50	2506 019 987	-7.2	0.000 000	-0.003
	Batt. Endpoint	+20	2506 019 990	-4.1	0.000 000	-0.002
2510.010	100 %	+20(Ref)	2510 009 989	0.0	0.000 000	0.000
	100 %	-30	2510 009 981	-8.5	0.000 000	-0.003
	100 %	-20	2510 009 975	-14.8	-0.000 001	-0.006
	100 %	-10	2510 009 977	-12.7	-0.000 001	-0.005
	100 %	0	2510 009 982	-7.2	0.000 000	-0.003
	100 %	+10	2510 009 979	-10.6	0.000 000	-0.004
	100 %	+30	2510 009 978	-11.7	0.000 000	-0.005
	100 %	+40	2510 009 978	-11.7	0.000 000	-0.005
	100 %	+50	2510 009 977	-12.3	0.000 000	-0.005
	Batt. Endpoint	+20	2510 009 981	-8.3	0.000 000	-0.003
2679.990	100 %	+20(Ref)	2679 989 988	0.0	0.000 000	0.000
	100 %	-30	2679 989 983	-5.5	0.000 000	-0.002
	100 %	-20	2679 989 976	-12.2	0.000 000	-0.005
	100 %	-10	2679 989 979	-9.6	0.000 000	-0.004
	100 %	0	2679 989 971	-17.5	-0.000 001	-0.007
	100 %	+10	2679 989 980	-8.5	0.000 000	-0.003
	100 %	+30	2679 989 980	-8.2	0.000 000	-0.003
	100 %	+40	2679 989 976	-12.3	0.000 000	-0.005
	100 %	+50	2679 989 978	-10.6	0.000 000	-0.004
	Batt. Endpoint	+20	2679 989 974	-14.3	-0.000 001	-0.005

▣ BandWidth: 25 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy (MHz)	Voltage (%)	Temp. (℃)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
2508.480	100 %	+20(Ref)	2508 479 985	0.0	0.000 000	0.000
	100 %	-30	2508 479 972	-13.2	-0.000 001	-0.005
	100 %	-20	2508 479 976	-9.0	0.000 000	-0.004
	100 %	-10	2508 479 976	-9.1	0.000 000	-0.004
	100 %	0	2508 479 973	-12.2	0.000 000	-0.005
	100 %	+10	2508 479 971	-14.4	-0.000 001	-0.006
	100 %	+30	2508 479 969	-15.9	-0.000 001	-0.006
	100 %	+40	2508 479 981	-4.5	0.000 000	-0.002
	100 %	+50	2508 479 971	-13.8	-0.000 001	-0.006
	Batt. Endpoint	+20	2508 479 969	-16.3	-0.000 001	-0.006
2512.500	100 %	+20(Ref)	2512 499 986	0.0	0.000 000	0.000
	100 %	-30	2512 499 977	-8.9	0.000 000	-0.004
	100 %	-20	2512 499 981	-5.4	0.000 000	-0.002
	100 %	-10	2512 499 977	-9.4	0.000 000	-0.004
	100 %	0	2512 499 973	-13.2	-0.000 001	-0.005
	100 %	+10	2512 499 976	-10.3	0.000 000	-0.004
	100 %	+30	2512 499 977	-9.0	0.000 000	-0.004
	100 %	+40	2512 499 976	-10.8	0.000 000	-0.004
	100 %	+50	2512 499 972	-14.3	-0.000 001	-0.006
	Batt. Endpoint	+20	2512 499 973	-13.4	-0.000 001	-0.005
2677.500	100 %	+20(Ref)	2677 499 987	0.0	0.000 000	0.000
	100 %	-30	2677 499 978	-9.8	0.000 000	-0.004
	100 %	-20	2677 499 976	-11.7	0.000 000	-0.004
	100 %	-10	2677 499 976	-11.3	0.000 000	-0.004
	100 %	0	2677 499 979	-8.7	0.000 000	-0.003
	100 %	+10	2677 499 982	-5.6	0.000 000	-0.002
	100 %	+30	2677 499 974	-13.9	-0.000 001	-0.005
	100 %	+40	2677 499 976	-11.6	0.000 000	-0.004
	100 %	+50	2677 499 973	-14.5	-0.000 001	-0.005
	Batt. Endpoint	+20	2677 499 976	-11.5	0.000 000	-0.004

▣ BandWidth: 30 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy (MHz)	Voltage (%)	Temp. (℃)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
2511.000	100 %	+20(Ref)	2510 999 993	0.0	0.000 000	0.000
	100 %	-30	2510 999 979	-14.2	-0.000 001	-0.006
	100 %	-20	2510 999 980	-13.7	-0.000 001	-0.005
	100 %	-10	2510 999 984	-9.4	0.000 000	-0.004
	100 %	0	2510 999 987	-6.4	0.000 000	-0.003
	100 %	+10	2510 999 984	-9.6	0.000 000	-0.004
	100 %	+30	2510 999 986	-7.4	0.000 000	-0.003
	100 %	+40	2510 999 984	-9.7	0.000 000	-0.004
	100 %	+50	2510 999 981	-12.5	0.000 000	-0.005
	Batt. Endpoint	+20	2510 999 986	-7.8	0.000 000	-0.003
2515.000	100 %	+20(Ref)	2514 999 989	0.0	0.000 000	0.000
	100 %	-30	2514 999 980	-9.0	0.000 000	-0.004
	100 %	-20	2514 999 982	-6.8	0.000 000	-0.003
	100 %	-10	2514 999 979	-10.5	0.000 000	-0.004
	100 %	0	2514 999 979	-10.4	0.000 000	-0.004
	100 %	+10	2514 999 983	-6.2	0.000 000	-0.002
	100 %	+30	2514 999 980	-9.5	0.000 000	-0.004
	100 %	+40	2514 999 981	-8.5	0.000 000	-0.003
	100 %	+50	2514 999 984	-5.5	0.000 000	-0.002
	Batt. Endpoint	+20	2514 999 984	-5.5	0.000 000	-0.002
2674.980	100 %	+20(Ref)	2674 979 990	0.0	0.000 000	0.000
	100 %	-30	2674 979 977	-12.6	0.000 000	-0.005
	100 %	-20	2674 979 976	-13.5	-0.000 001	-0.005
	100 %	-10	2674 979 980	-10.1	0.000 000	-0.004
	100 %	0	2674 979 983	-6.6	0.000 000	-0.002
	100 %	+10	2674 979 984	-6.3	0.000 000	-0.002
	100 %	+30	2674 979 978	-11.7	0.000 000	-0.004
	100 %	+40	2674 979 982	-8.0	0.000 000	-0.003
	100 %	+50	2674 979 982	-8.0	0.000 000	-0.003
	Batt. Endpoint	+20	2674 979 974	-15.8	-0.000 001	-0.006

▣ BandWidth: 40 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy (MHz)	Voltage (%)	Temp. (℃)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
2516.010	100 %	+20(Ref)	2516 009 993	0.0	0.000 000	0.000
	100 %	-30	2516 009 984	-9.8	0.000 000	-0.004
	100 %	-20	2516 009 983	-10.5	0.000 000	-0.004
	100 %	-10	2516 009 987	-6.0	0.000 000	-0.002
	100 %	0	2516 009 986	-7.6	0.000 000	-0.003
	100 %	+10	2516 009 989	-4.2	0.000 000	-0.002
	100 %	+30	2516 009 983	-10.5	0.000 000	-0.004
	100 %	+40	2516 009 986	-7.4	0.000 000	-0.003
	100 %	+50	2516 009 984	-9.5	0.000 000	-0.004
	Batt. Endpoint	+20	2516 009 987	-6.4	0.000 000	-0.003
2520.000	100 %	+20(Ref)	2519 999 987	0.0	0.000 000	0.000
	100 %	-30	2519 999 975	-11.5	0.000 000	-0.005
	100 %	-20	2519 999 976	-11.1	0.000 000	-0.004
	100 %	-10	2519 999 976	-10.9	0.000 000	-0.004
	100 %	0	2519 999 976	-10.6	0.000 000	-0.004
	100 %	+10	2519 999 975	-12.1	0.000 000	-0.005
	100 %	+30	2519 999 973	-13.8	-0.000 001	-0.005
	100 %	+40	2519 999 977	-9.7	0.000 000	-0.004
	100 %	+50	2519 999 978	-9.1	0.000 000	-0.004
	Batt. Endpoint	+20	2519 999 974	-12.3	0.000 000	-0.005
2670.000	100 %	+20(Ref)	2669 999 989	0.0	0.000 000	0.000
	100 %	-30	2669 999 977	-12.2	0.000 000	-0.005
	100 %	-20	2669 999 979	-10.1	0.000 000	-0.004
	100 %	-10	2669 999 981	-7.9	0.000 000	-0.003
	100 %	0	2669 999 980	-8.8	0.000 000	-0.003
	100 %	+10	2669 999 981	-8.0	0.000 000	-0.003
	100 %	+30	2669 999 980	-8.6	0.000 000	-0.003
	100 %	+40	2669 999 981	-7.4	0.000 000	-0.003
	100 %	+50	2669 999 981	-8.1	0.000 000	-0.003
	Batt. Endpoint	+20	2669 999 980	-9.0	0.000 000	-0.003

▣ BandWidth: 50 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy (MHz)	Voltage (%)	Temp. (℃)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
2521.020	100 %	+20(Ref)	2521 020 000	0.0	0.000 000	0.000
	100 %	-30	2521 019 997	-2.2	0.000 000	-0.001
	100 %	-20	2521 019 995	-4.9	0.000 000	-0.002
	100 %	-10	2521 019 994	-6.1	0.000 000	-0.002
	100 %	0	2521 019 998	-1.6	0.000 000	-0.001
	100 %	+10	2521 019 991	-8.5	0.000 000	-0.003
	100 %	+30	2521 019 997	-2.3	0.000 000	-0.001
	100 %	+40	2521 019 993	-7.0	0.000 000	-0.003
	100 %	+50	2521 019 986	-13.5	-0.000 001	-0.005
	Batt. Endpoint	+20	2521 019 991	-8.4	0.000 000	-0.003
2525.010	100 %	+20(Ref)	2525 009 988	0.0	0.000 000	0.000
	100 %	-30	2525 009 980	-7.9	0.000 000	-0.003
	100 %	-20	2525 009 979	-9.8	0.000 000	-0.004
	100 %	-10	2525 009 982	-6.6	0.000 000	-0.003
	100 %	0	2525 009 983	-5.1	0.000 000	-0.002
	100 %	+10	2525 009 979	-9.5	0.000 000	-0.004
	100 %	+30	2525 009 986	-2.3	0.000 000	-0.001
	100 %	+40	2525 009 976	-12.5	0.000 000	-0.005
	100 %	+50	2525 009 979	-8.9	0.000 000	-0.004
	Batt. Endpoint	+20	2525 009 980	-8.2	0.000 000	-0.003
2664.990	100 %	+20(Ref)	2664 989 990	0.0	0.000 000	0.000
	100 %	-30	2664 989 984	-5.9	0.000 000	-0.002
	100 %	-20	2664 989 981	-9.5	0.000 000	-0.004
	100 %	-10	2664 989 984	-6.6	0.000 000	-0.002
	100 %	0	2664 989 979	-11.4	0.000 000	-0.004
	100 %	+10	2664 989 987	-2.9	0.000 000	-0.001
	100 %	+30	2664 989 989	-1.6	0.000 000	-0.001
	100 %	+40	2664 989 983	-7.9	0.000 000	-0.003
	100 %	+50	2664 989 981	-9.7	0.000 000	-0.004
	Batt. Endpoint	+20	2664 989 982	-8.1	0.000 000	-0.003

▣ BandWidth: 60 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy (MHz)	Voltage (%)	Temp. (℃)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
2526.000	100 %	+20(Ref)	2525 999 993	0.0	0.000 000	0.000
	100 %	-30	2525 999 981	-12.8	-0.000 001	-0.005
	100 %	-20	2525 999 986	-7.6	0.000 000	-0.003
	100 %	-10	2525 999 985	-8.3	0.000 000	-0.003
	100 %	0	2525 999 985	-8.2	0.000 000	-0.003
	100 %	+10	2525 999 984	-8.9	0.000 000	-0.004
	100 %	+30	2525 999 987	-6.4	0.000 000	-0.003
	100 %	+40	2525 999 981	-12.3	0.000 000	-0.005
	100 %	+50	2525 999 984	-8.8	0.000 000	-0.003
	Batt. Endpoint	+20	2525 999 984	-9.2	0.000 000	-0.004
2530.020	100 %	+20(Ref)	2530 019 987	0.0	0.000 000	0.000
	100 %	-30	2530 019 982	-5.2	0.000 000	-0.002
	100 %	-20	2530 019 979	-8.0	0.000 000	-0.003
	100 %	-10	2530 019 983	-3.5	0.000 000	-0.001
	100 %	0	2530 019 981	-5.8	0.000 000	-0.002
	100 %	+10	2530 019 977	-9.9	0.000 000	-0.004
	100 %	+30	2530 019 982	-5.4	0.000 000	-0.002
	100 %	+40	2530 019 980	-7.2	0.000 000	-0.003
	100 %	+50	2530 019 979	-7.5	0.000 000	-0.003
	Batt. Endpoint	+20	2530 019 978	-8.7	0.000 000	-0.003
2659.980	100 %	+20(Ref)	2659 979 989	0.0	0.000 000	0.000
	100 %	-30	2659 979 978	-11.0	0.000 000	-0.004
	100 %	-20	2659 979 988	-0.6	0.000 000	0.000
	100 %	-10	2659 979 980	-8.1	0.000 000	-0.003
	100 %	0	2659 979 985	-3.7	0.000 000	-0.001
	100 %	+10	2659 979 978	-11.0	0.000 000	-0.004
	100 %	+30	2659 979 979	-9.5	0.000 000	-0.004
	100 %	+40	2659 979 982	-6.6	0.000 000	-0.002
	100 %	+50	2659 979 981	-8.0	0.000 000	-0.003
	Batt. Endpoint	+20	2659 979 981	-7.2	0.000 000	-0.003

▣ BandWidth: 70 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy (MHz)	Voltage (%)	Temp. (℃)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
2531.010	100 %	+20(Ref)	2531 009 992	0.0	0.000 000	0.000
	100 %	-30	2531 009 979	-13.3	-0.000 001	-0.005
	100 %	-20	2531 009 983	-8.7	0.000 000	-0.003
	100 %	-10	2531 009 984	-7.7	0.000 000	-0.003
	100 %	0	2531 009 983	-9.1	0.000 000	-0.004
	100 %	+10	2531 009 986	-5.6	0.000 000	-0.002
	100 %	+30	2531 009 982	-9.7	0.000 000	-0.004
	100 %	+40	2531 009 989	-3.4	0.000 000	-0.001
	100 %	+50	2531 009 989	-3.4	0.000 000	-0.001
	Batt. Endpoint	+20	2531 009 981	-10.5	0.000 000	-0.004
2535.000	100 %	+20(Ref)	2534 999 990	0.0	0.000 000	0.000
	100 %	-30	2534 999 982	-7.0	0.000 000	-0.003
	100 %	-20	2534 999 984	-5.8	0.000 000	-0.002
	100 %	-10	2534 999 982	-7.0	0.000 000	-0.003
	100 %	0	2534 999 985	-4.6	0.000 000	-0.002
	100 %	+10	2534 999 989	-0.5	0.000 000	0.000
	100 %	+30	2534 999 983	-6.4	0.000 000	-0.003
	100 %	+40	2534 999 987	-2.3	0.000 000	-0.001
	100 %	+50	2534 999 984	-6.0	0.000 000	-0.002
	Batt. Endpoint	+20	2534 999 980	-9.4	0.000 000	-0.004
2655.000	100 %	+20(Ref)	2654 999 992	0.0	0.000 000	0.000
	100 %	-30	2654 999 981	-10.1	0.000 000	-0.004
	100 %	-20	2654 999 987	-4.9	0.000 000	-0.002
	100 %	-10	2654 999 975	-16.0	-0.000 001	-0.006
	100 %	0	2654 999 984	-7.9	0.000 000	-0.003
	100 %	+10	2654 999 984	-7.1	0.000 000	-0.003
	100 %	+30	2654 999 982	-9.2	0.000 000	-0.003
	100 %	+40	2654 999 982	-9.2	0.000 000	-0.003
	100 %	+50	2654 999 983	-8.8	0.000 000	-0.003
	Batt. Endpoint	+20	2654 999 983	-8.2	0.000 000	-0.003

▣ BandWidth: 80 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy (MHz)	Voltage (%)	Temp. (℃)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
2536.020	100 %	+20(Ref)	2536 019 997	0.0	0.000 000	0.000
	100 %	-30	2536 019 994	-2.3	0.000 000	-0.001
	100 %	-20	2536 019 995	-1.8	0.000 000	-0.001
	100 %	-10	2536 019 995	-1.4	0.000 000	-0.001
	100 %	0	2536 019 995	-1.6	0.000 000	-0.001
	100 %	+10	2536 019 993	-3.2	0.000 000	-0.001
	100 %	+30	2536 019 990	-6.6	0.000 000	-0.003
	100 %	+40	2536 019 990	-6.6	0.000 000	-0.003
	100 %	+50	2536 019 989	-7.9	0.000 000	-0.003
	Batt. Endpoint	+20	2536 019 988	-8.3	0.000 000	-0.003
2540.010	100 %	+20(Ref)	2540 009 994	0.0	0.000 000	0.000
	100 %	-30	2540 009 985	-9.0	0.000 000	-0.004
	100 %	-20	2540 009 980	-14.5	-0.000 001	-0.006
	100 %	-10	2540 009 979	-15.6	-0.000 001	-0.006
	100 %	0	2540 009 983	-11.4	0.000 000	-0.004
	100 %	+10	2540 009 987	-7.4	0.000 000	-0.003
	100 %	+30	2540 009 984	-10.5	0.000 000	-0.004
	100 %	+40	2540 009 984	-10.5	0.000 000	-0.004
	100 %	+50	2540 009 985	-9.7	0.000 000	-0.004
	Batt. Endpoint	+20	2540 009 980	-13.9	-0.000 001	-0.005
2649.990	100 %	+20(Ref)	2649 989 982	0.0	0.000 000	0.000
	100 %	-30	2649 989 967	-14.8	-0.000 001	-0.006
	100 %	-20	2649 989 967	-14.4	-0.000 001	-0.005
	100 %	-10	2649 989 968	-13.7	-0.000 001	-0.005
	100 %	0	2649 989 973	-8.9	0.000 000	-0.003
	100 %	+10	2649 989 971	-10.7	0.000 000	-0.004
	100 %	+30	2649 989 969	-12.5	0.000 000	-0.005
	100 %	+40	2649 989 967	-14.9	-0.000 001	-0.006
	100 %	+50	2649 989 967	-14.9	-0.000 001	-0.006
	Batt. Endpoint	+20	2649 989 967	-14.4	-0.000 001	-0.005

▣ BandWidth: 90 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy (MHz)	Voltage (%)	Temp. (℃)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
2541.000	100 %	+20(Ref)	2540 999 994	0.0	0.000 000	0.000
	100 %	-30	2540 999 985	-8.7	0.000 000	-0.003
	100 %	-20	2540 999 985	-8.7	0.000 000	-0.003
	100 %	-10	2540 999 982	-12.1	0.000 000	-0.005
	100 %	0	2540 999 985	-9.2	0.000 000	-0.004
	100 %	+10	2540 999 983	-10.6	0.000 000	-0.004
	100 %	+30	2540 999 995	0.6	0.000 000	0.000
	100 %	+40	2540 999 991	-3.2	0.000 000	-0.001
	100 %	+50	2540 999 984	-10.1	0.000 000	-0.004
	Batt. Endpoint	+20	2540 999 984	-10.0	0.000 000	-0.004
2545.020	100 %	+20(Ref)	2545 019 998	0.0	0.000 000	0.000
	100 %	-30	2545 019 995	-2.5	0.000 000	-0.001
	100 %	-20	2545 019 989	-8.6	0.000 000	-0.003
	100 %	-10	2545 019 991	-6.0	0.000 000	-0.002
	100 %	0	2545 019 989	-8.2	0.000 000	-0.003
	100 %	+10	2545 019 997	-0.5	0.000 000	0.000
	100 %	+30	2545 019 991	-6.9	0.000 000	-0.003
	100 %	+40	2545 020 000	2.4	0.000 000	0.001
	100 %	+50	2545 019 988	-9.1	0.000 000	-0.004
	Batt. Endpoint	+20	2545 019 988	-9.4	0.000 000	-0.004
2644.980	100 %	+20(Ref)	2644 979 988	0.0	0.000 000	0.000
	100 %	-30	2644 979 981	-7.5	0.000 000	-0.003
	100 %	-20	2644 979 976	-12.4	0.000 000	-0.005
	100 %	-10	2644 979 973	-15.2	-0.000 001	-0.006
	100 %	0	2644 979 981	-7.7	0.000 000	-0.003
	100 %	+10	2644 979 983	-5.5	0.000 000	-0.002
	100 %	+30	2644 979 983	-5.5	0.000 000	-0.002
	100 %	+40	2644 979 972	-16.2	-0.000 001	-0.006
	100 %	+50	2644 979 979	-9.1	0.000 000	-0.003
	Batt. Endpoint	+20	2644 979 971	-17.2	-0.000 001	-0.006

▣ BandWidth: 100 MHz

▣ Voltage(100 %): 3.880 VDC

▣ Batt. Endpoint: 3.300 VDC

▣ LIMIT: Emission must remain in band

Test. Frequncy (MHz)	Voltage (%)	Temp. (℃)	Frequency (Hz)	Frequency Error (Hz)	Deviation (%)	ppm
2546.010	100 %	+20(Ref)	2546 009 990	0.0	0.000 000	0.000
	100 %	-30	2546 009 980	-10.4	0.000 000	-0.004
	100 %	-20	2546 009 980	-10.3	0.000 000	-0.004
	100 %	-10	2546 009 985	-5.2	0.000 000	-0.002
	100 %	0	2546 009 987	-3.1	0.000 000	-0.001
	100 %	+10	2546 009 987	-3.1	0.000 000	-0.001
	100 %	+30	2546 009 987	-3.2	0.000 000	-0.001
	100 %	+40	2546 009 979	-11.3	0.000 000	-0.004
	100 %	+50	2546 009 983	-7.2	0.000 000	-0.003
	Batt. Endpoint	+20	2546 009 981	-9.0	0.000 000	-0.004
2550.000	100 %	+20(Ref)	2549 999 990	0.0	0.000 000	0.000
	100 %	-30	2549 999 977	-13.2	-0.000 001	-0.005
	100 %	-20	2549 999 984	-6.2	0.000 000	-0.002
	100 %	-10	2549 999 978	-12.2	0.000 000	-0.005
	100 %	0	2549 999 982	-7.9	0.000 000	-0.003
	100 %	+10	2549 999 982	-8.0	0.000 000	-0.003
	100 %	+30	2549 999 982	-8.0	0.000 000	-0.003
	100 %	+40	2549 999 980	-10.0	0.000 000	-0.004
	100 %	+50	2549 999 984	-5.6	0.000 000	-0.002
	Batt. Endpoint	+20	2549 999 984	-5.6	0.000 000	-0.002
2640.000	100 %	+20(Ref)	2639 999 990	0.0	0.000 000	0.000
	100 %	-30	2639 999 983	-7.7	0.000 000	-0.003
	100 %	-20	2639 999 978	-12.9	0.000 000	-0.005
	100 %	-10	2639 999 984	-6.4	0.000 000	-0.002
	100 %	0	2639 999 984	-6.4	0.000 000	-0.002
	100 %	+10	2639 999 978	-12.5	0.000 000	-0.005
	100 %	+30	2639 999 980	-10.7	0.000 000	-0.004
	100 %	+40	2639 999 989	-1.6	0.000 000	-0.001
	100 %	+50	2639 999 988	-2.7	0.000 000	-0.001
	Batt. Endpoint	+20	2639 999 985	-5.7	0.000 000	-0.002

10. TEST PLOTS(Ant B)

Sub6 n41. Occupied Bandwidth Plot (10 MHz Ch.518598 BPSK)

Sub6 n41. Occupied Bandwidth Plot (10 MHz Ch.518598 QPSK)

Sub6 n41. Occupied Bandwidth Plot (10 MHz Ch.518598 16-QAM)

Sub6 n41. Occupied Bandwidth Plot (10 MHz Ch.518598 64-QAM)

Sub6 n41. Occupied Bandwidth Plot (10 MHz Ch.518598 256-QAM)

Sub6 n41. Occupied Bandwidth Plot (15 MHz Ch.518598 BPSK)

Sub6 n41. Occupied Bandwidth Plot (15 MHz Ch.518598 QPSK)

Sub6 n41. Occupied Bandwidth Plot (15 MHz Ch.518598 16-QAM)

Sub6 n41. Occupied Bandwidth Plot (15 MHz Ch.518598 64-QAM)

Sub6 n41. Occupied Bandwidth Plot (15 MHz Ch.518598 256-QAM)

Sub6 n41. Occupied Bandwidth Plot (20 MHz Ch.518598 BPSK)

Sub6 n41. Occupied Bandwidth Plot (20 MHz Ch.518598 QPSK)

Sub6 n41. Occupied Bandwidth Plot (20 MHz Ch.518598 16-QAM)

Sub6 n41. Occupied Bandwidth Plot (20 MHz Ch.518598 64-QAM)

Sub6 n41. Occupied Bandwidth Plot (20 MHz Ch.518598 256-QAM)

Sub6 n41. Occupied Bandwidth Plot (25 MHz Ch.518598 BPSK)

Sub6 n41. Occupied Bandwidth Plot (25 MHz Ch.518598 QPSK)

Sub6 n41. Occupied Bandwidth Plot (25 MHz Ch.518598 16-QAM)

Sub6 n41. Occupied Bandwidth Plot (25 MHz Ch.518598 64-QAM)

Sub6 n41. Occupied Bandwidth Plot (25 MHz Ch.518598 256-QAM)

Sub6 n41. Occupied Bandwidth Plot (30 MHz Ch.518598 BPSK)

Sub6 n41. Occupied Bandwidth Plot (30 MHz Ch.518598 QPSK)

Sub6 n41. Occupied Bandwidth Plot (30 MHz Ch.518598 16-QAM)

Sub6 n41. Occupied Bandwidth Plot (30 MHz Ch.518598 64-QAM)

Sub6 n41. Occupied Bandwidth Plot (30 MHz Ch.518598 256-QAM)

Sub6 n41. Occupied Bandwidth Plot (40 MHz Ch.518598 BPSK)

Sub6 n41. Occupied Bandwidth Plot (40 MHz Ch.518598 QPSK)

Sub6 n41. Occupied Bandwidth Plot (40 MHz Ch.518598 16-QAM)

Sub6 n41. Occupied Bandwidth Plot (40 MHz Ch.518598 64-QAM)

Sub6 n41. Occupied Bandwidth Plot (40 MHz Ch.518598 256-QAM)

Sub6 n41. Occupied Bandwidth Plot (50 MHz Ch.518598 BPSK)

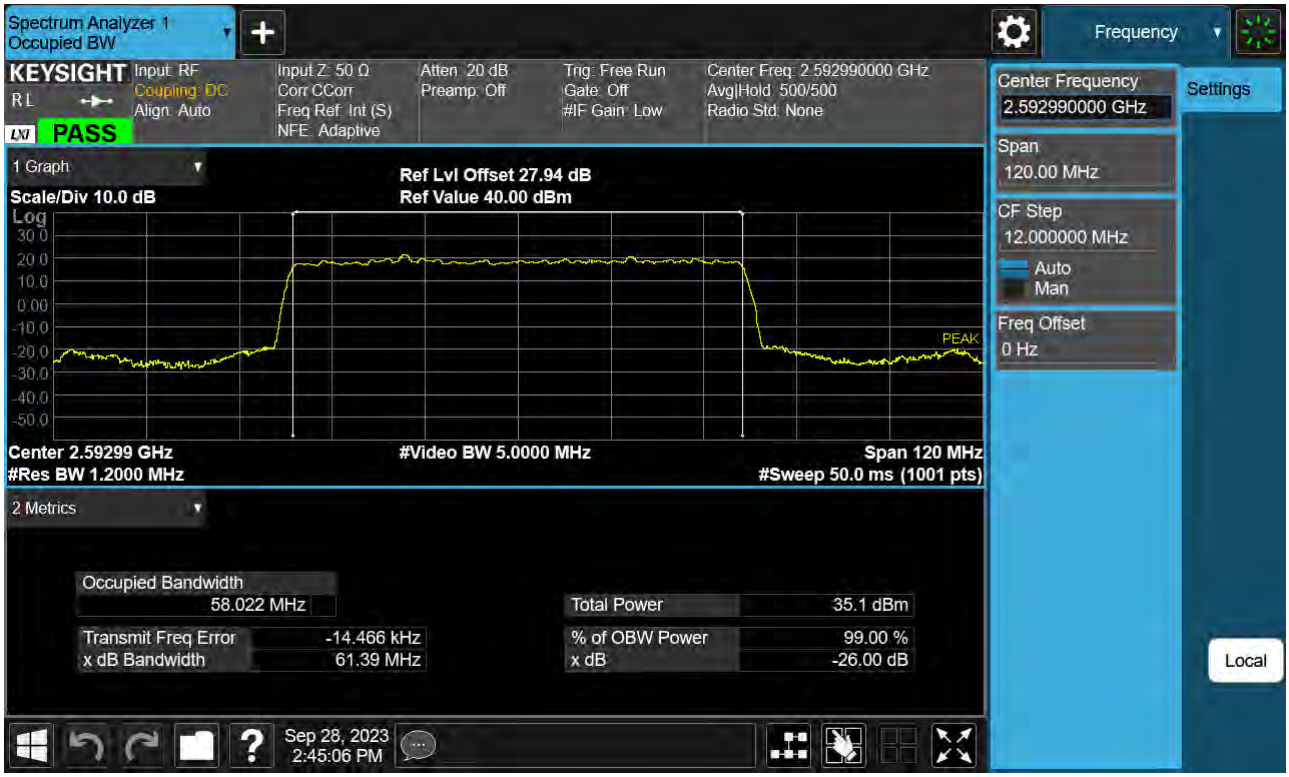
Sub6 n41. Occupied Bandwidth Plot (50 MHz Ch.518598 QPSK)

Sub6 n41. Occupied Bandwidth Plot (50 MHz Ch.518598 16-QAM)

Sub6 n41. Occupied Bandwidth Plot (50 MHz Ch.518598 64-QAM)

Sub6 n41. Occupied Bandwidth Plot (50 MHz Ch.518598 256-QAM)

Sub6 n41. Occupied Bandwidth Plot (60 MHz Ch.518598 BPSK)



Sub6 n41. Occupied Bandwidth Plot (60 MHz Ch.518598 QPSK)

Sub6 n41. Occupied Bandwidth Plot (60 MHz Ch.518598 16-QAM)

Sub6 n41. Occupied Bandwidth Plot (60 MHz Ch.518598 64-QAM)

Sub6 n41. Occupied Bandwidth Plot (60 MHz Ch.518598 256-QAM)

Sub6 n41. Occupied Bandwidth Plot (70 MHz Ch.518598 BPSK)

Sub6 n41. Occupied Bandwidth Plot (70 MHz Ch.518598 QPSK)

Sub6 n41. Occupied Bandwidth Plot (70 MHz Ch.518598 16-QAM)

Sub6 n41. Occupied Bandwidth Plot (70 MHz Ch.518598 64-QAM)

Sub6 n41. Occupied Bandwidth Plot (70 MHz Ch.518598 256-QAM)

Sub6 n41. Occupied Bandwidth Plot (80 MHz Ch.518598 BPSK)

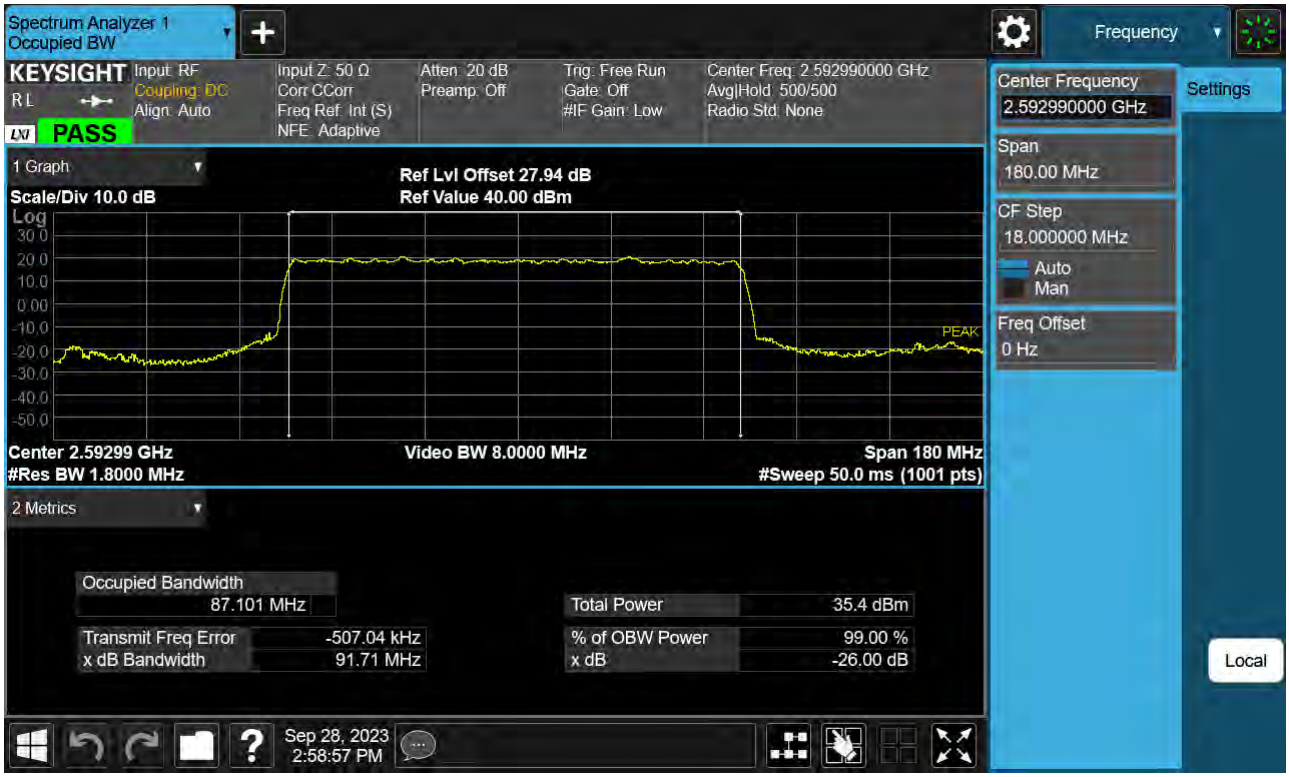
Sub6 n41. Occupied Bandwidth Plot (80 MHz Ch.518598 QPSK)

Sub6 n41. Occupied Bandwidth Plot (80 MHz Ch.518598 16-QAM)

Sub6 n41. Occupied Bandwidth Plot (80 MHz Ch.518598 64-QAM)

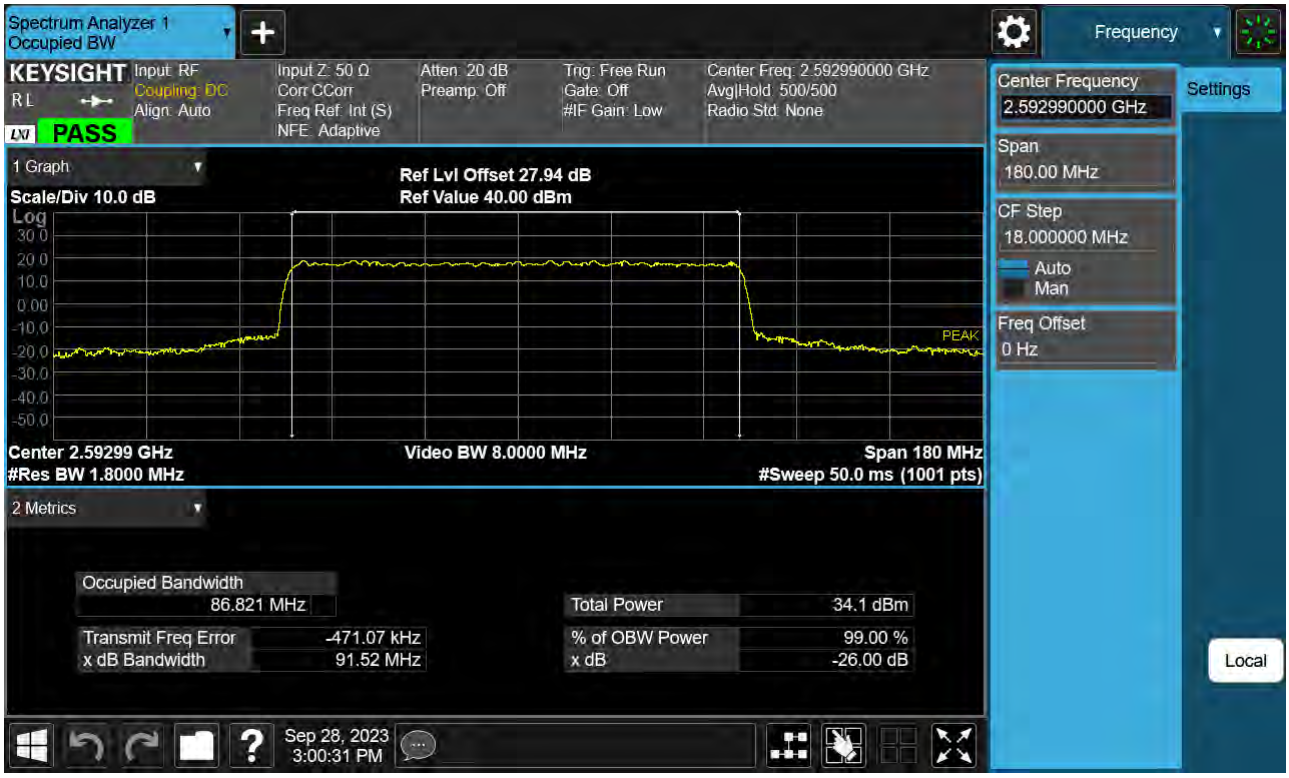
Sub6 n41. Occupied Bandwidth Plot (80 MHz Ch.518598 256-QAM)

Sub6 n41. Occupied Bandwidth Plot (90 MHz Ch.518598 BPSK)

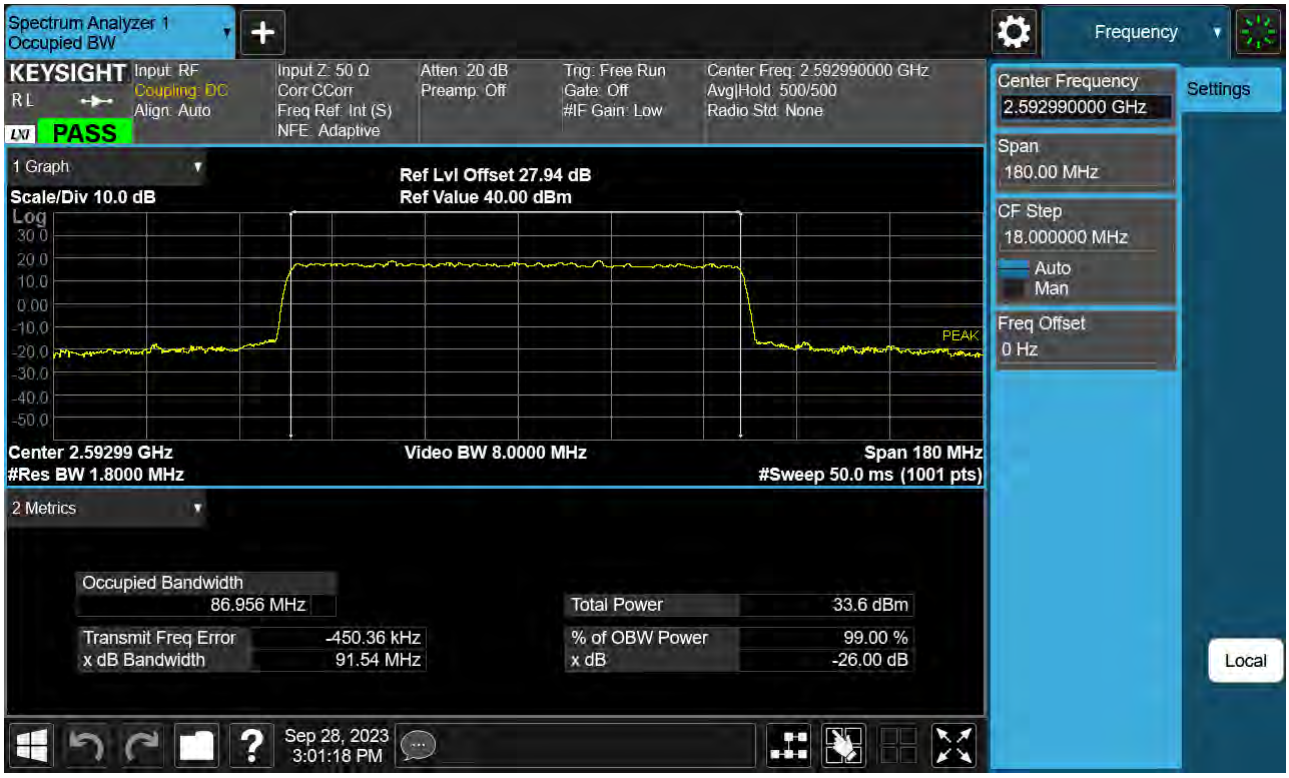


Sub6 n41. Occupied Bandwidth Plot (90 MHz Ch.518598 QPSK)

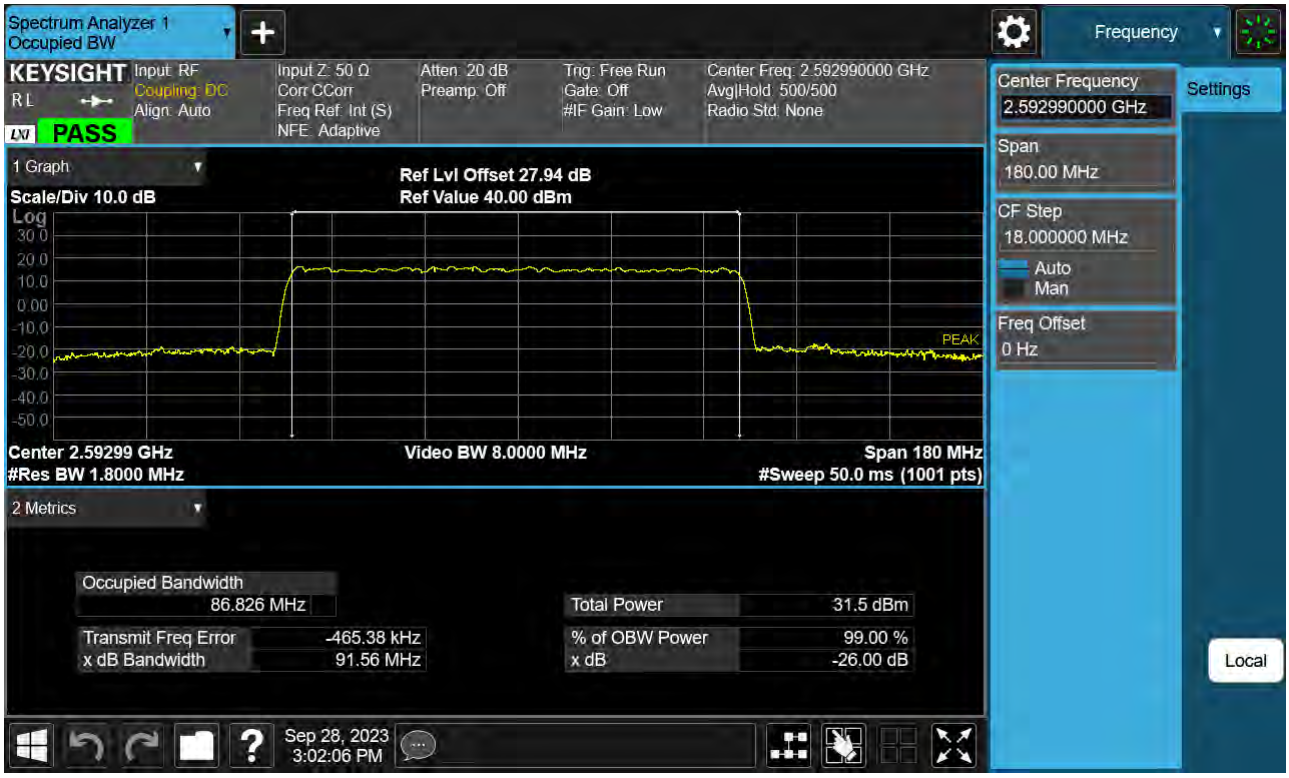
Sub6 n41. Occupied Bandwidth Plot (90 MHz Ch.518598 16-QAM)



Sub6 n41. Occupied Bandwidth Plot (90 MHz Ch.518598 64-QAM)



Sub6 n41. Occupied Bandwidth Plot (90 MHz Ch.518598 256-QAM)



Sub6 n41. Occupied Bandwidth Plot (100 MHz Ch.518598 BPSK)

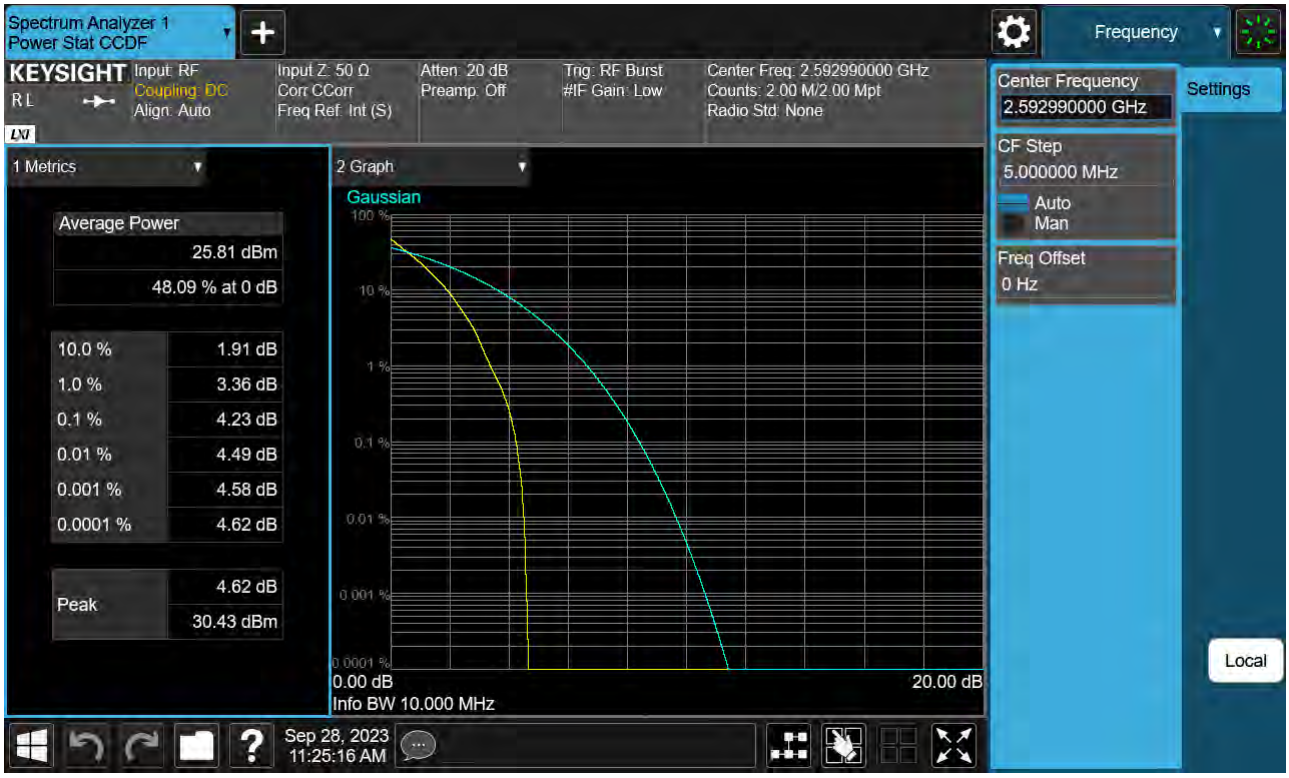
Sub6 n41. Occupied Bandwidth Plot (100 MHz Ch.518598 QPSK)

Sub6 n41. Occupied Bandwidth Plot (100 MHz Ch.518598 16-QAM)

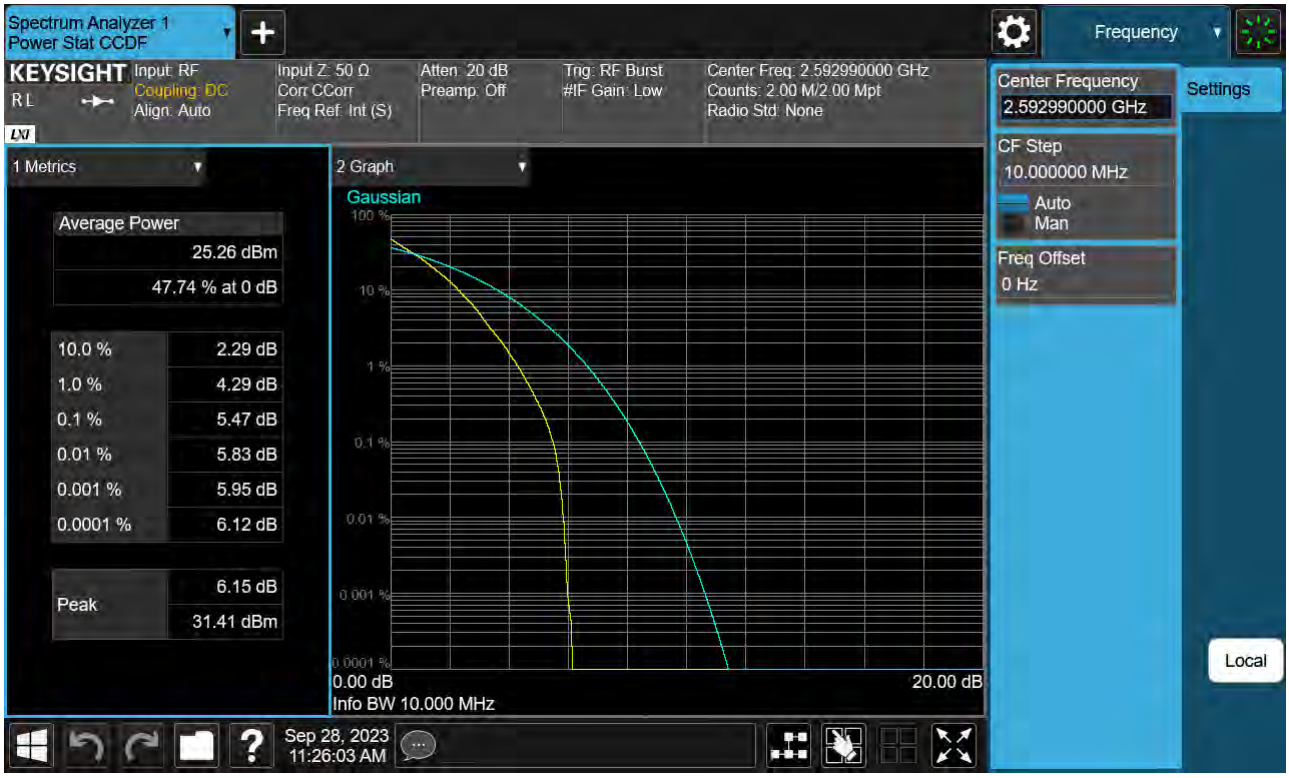
Sub6 n41. Occupied Bandwidth Plot (100 MHz Ch.518598 64-QAM)

Sub6 n41. Occupied Bandwidth Plot (100 MHz Ch.518598 256-QAM)

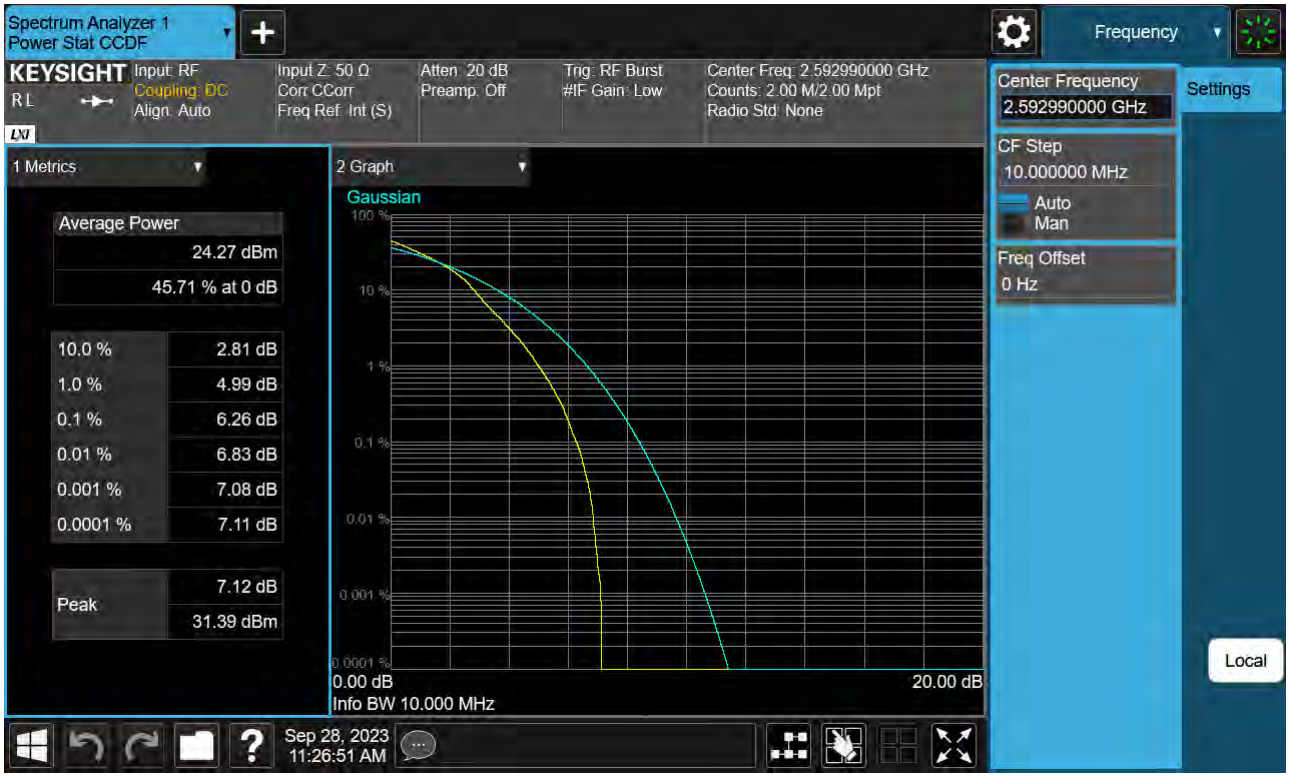
Sub6 n41. PAR Plot (10 M BW_Ch.518598_BPSK)



Sub6 n41. PAR Plot (10 M BW_Ch.518598_QPSK)

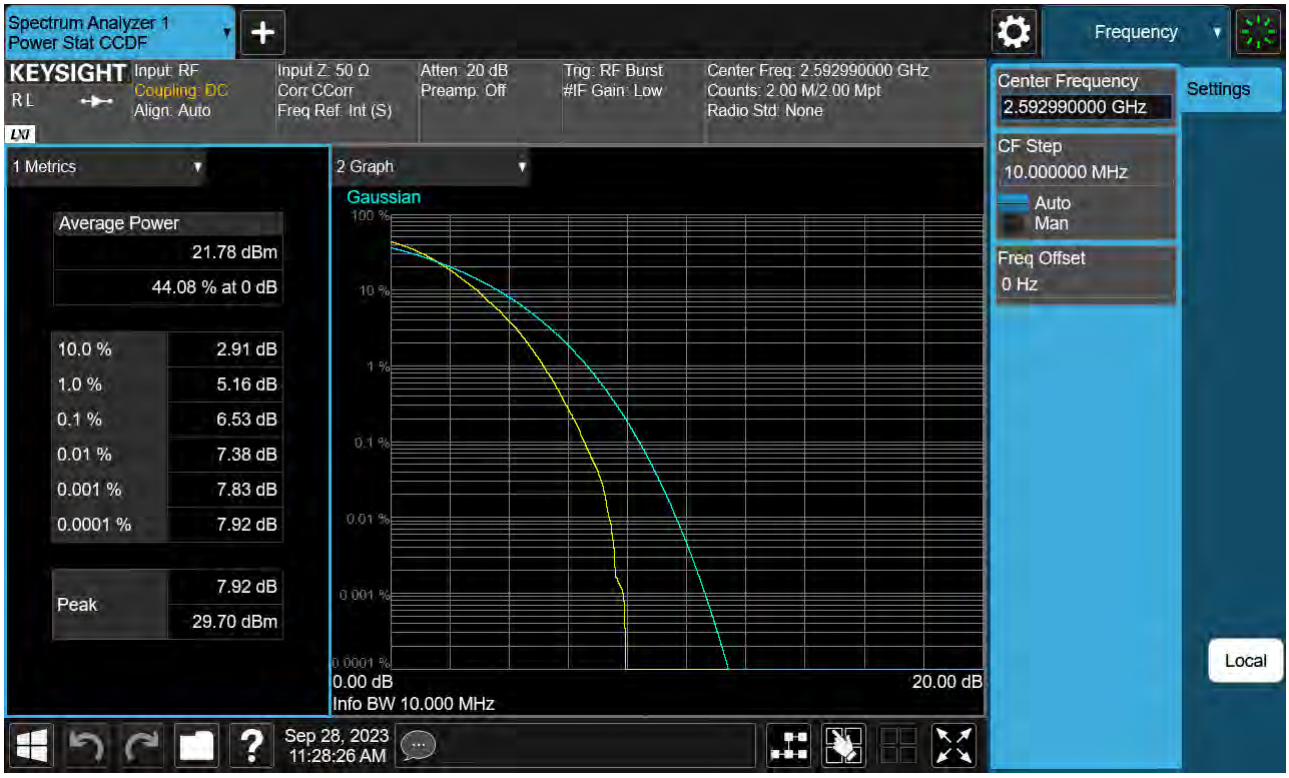


Sub6 n41. PAR Plot (10 M BW_Ch.518598_16QAM)

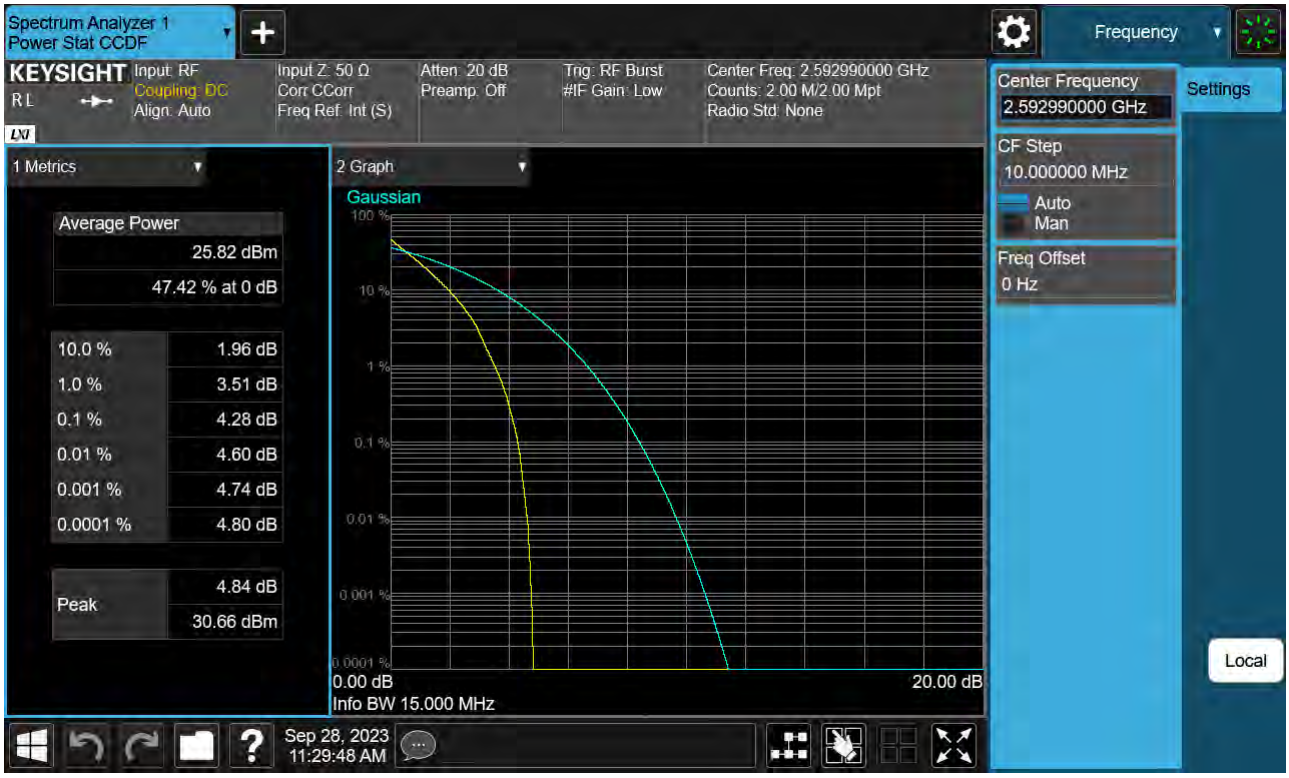


Sub6 n41. PAR Plot (10 M BW_Ch.518598_64QAM)

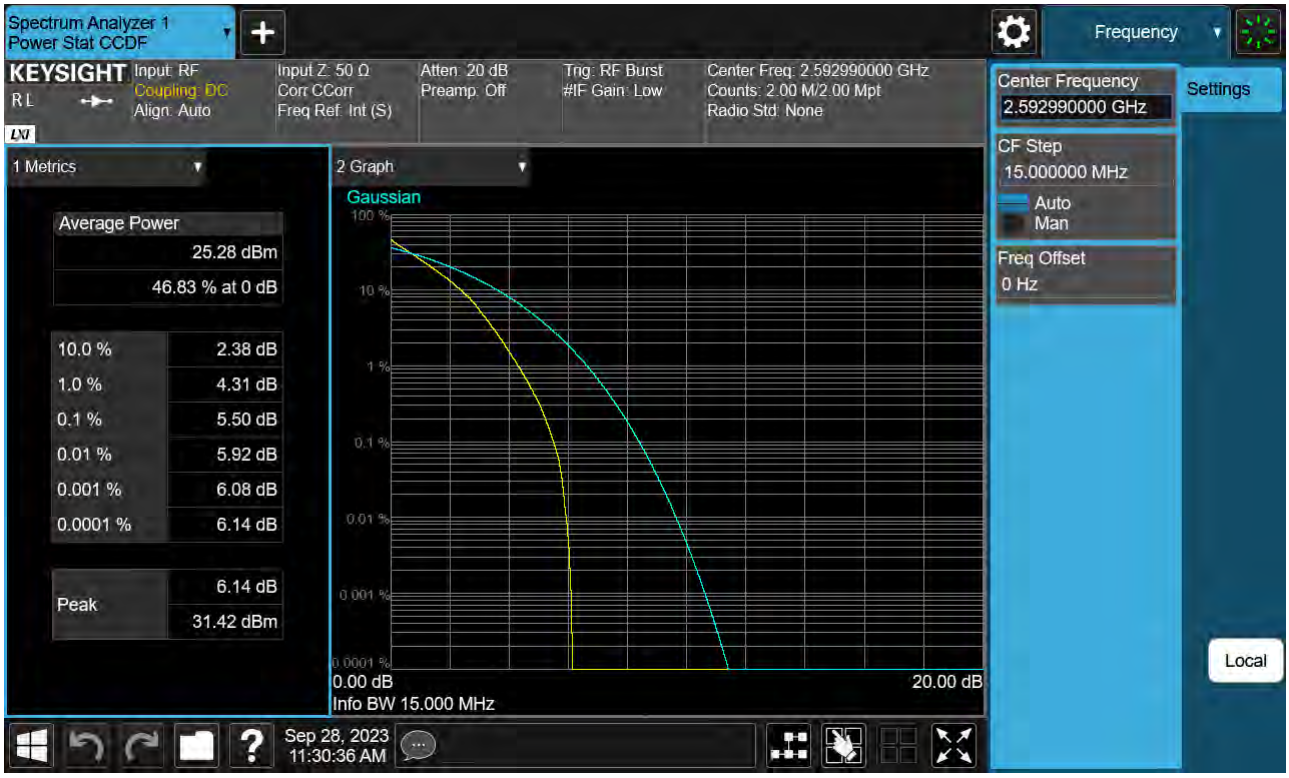
Sub6 n41. PAR Plot (10 M BW_Ch.518598_256QAM)



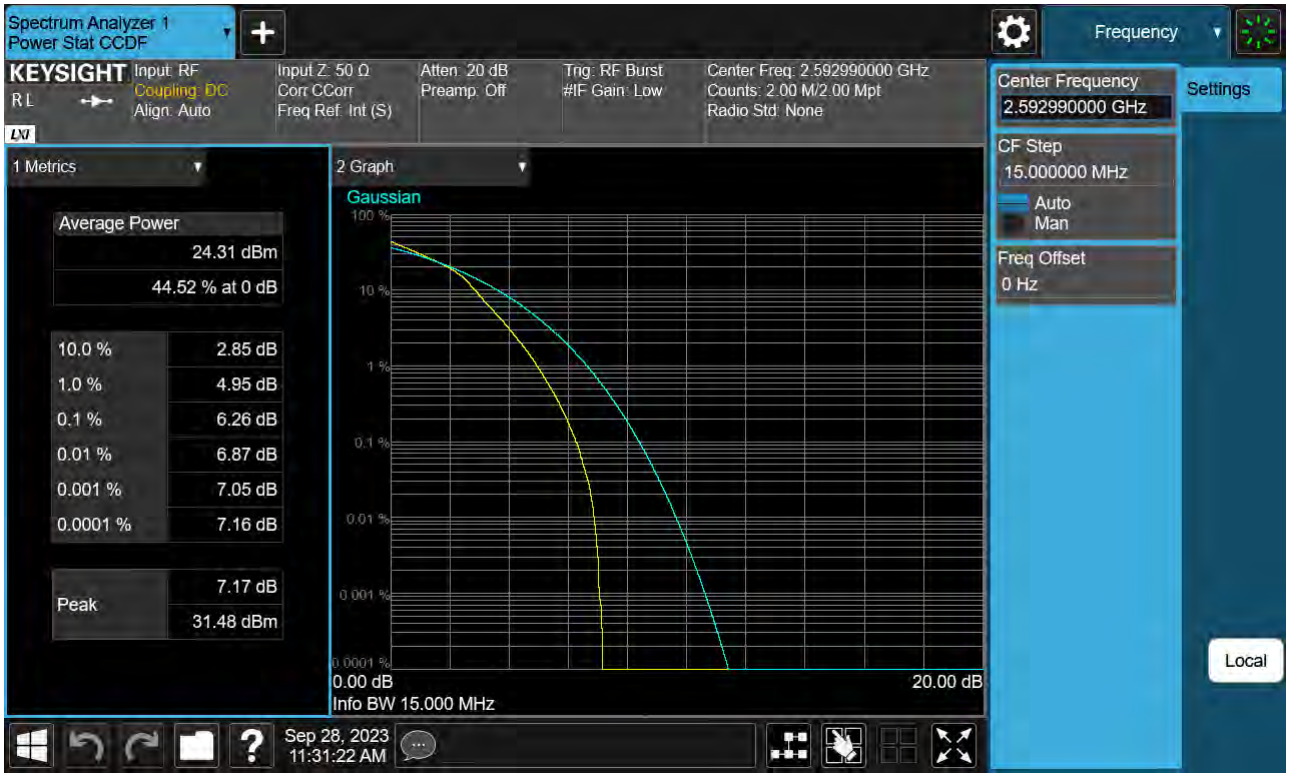
Sub6 n41. PAR Plot (15 M BW_Ch.518598_BPSK)



Sub6 n41. PAR Plot (15 M BW_Ch.518598_QPSK)



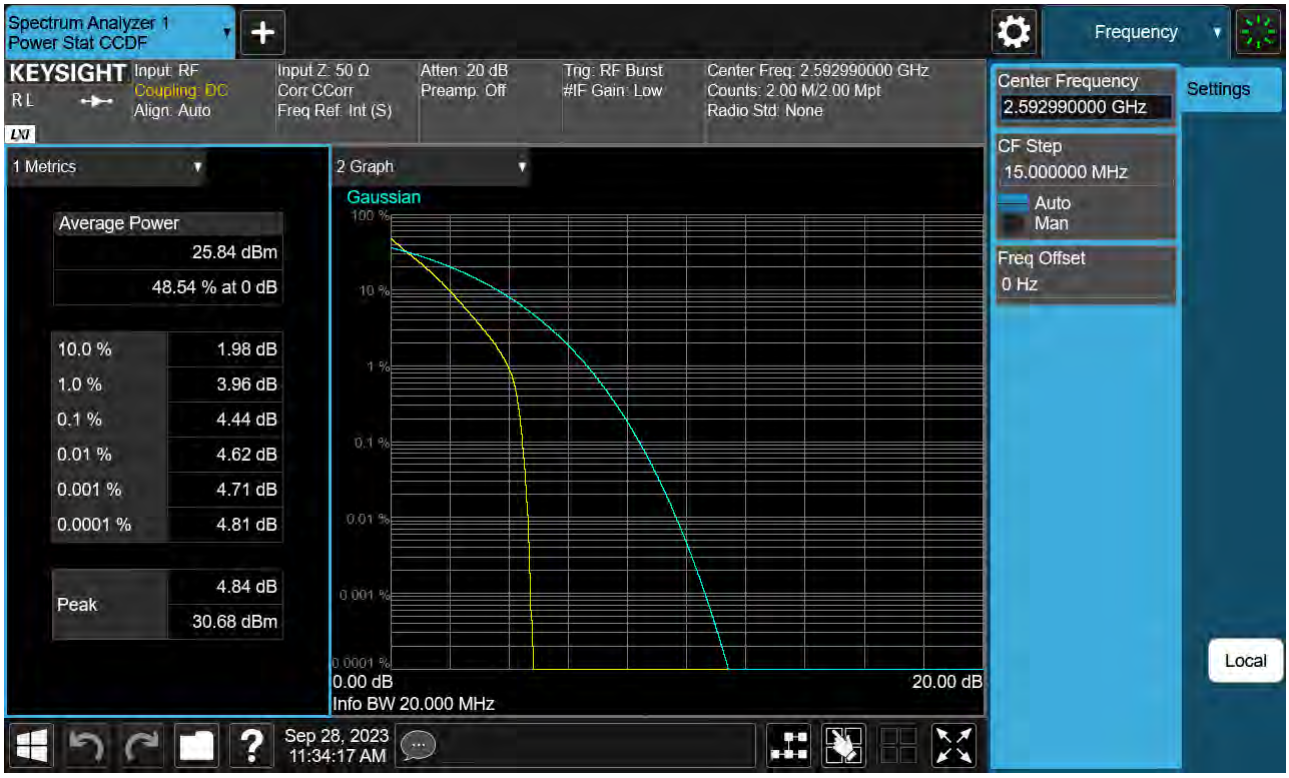
Sub6 n41. PAR Plot (15 M BW_Ch.518598_16QAM)



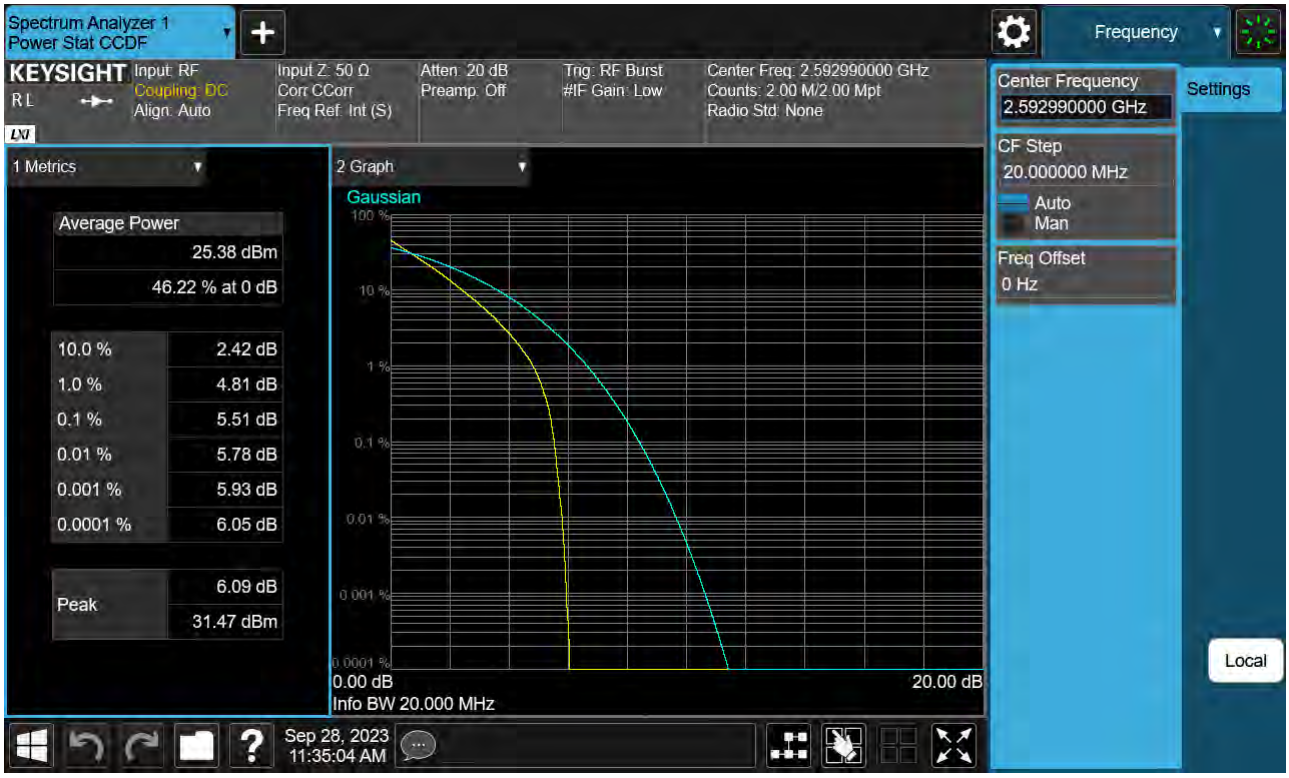
Sub6 n41. PAR Plot (15 M BW_Ch.518598_64QAM)

Sub6 n41. PAR Plot (15 M BW_Ch.518598_256QAM)

Sub6 n41. PAR Plot (20 M BW_Ch.518598_BPSK)



Sub6 n41. PAR Plot (20 M BW_Ch.518598_QPSK)

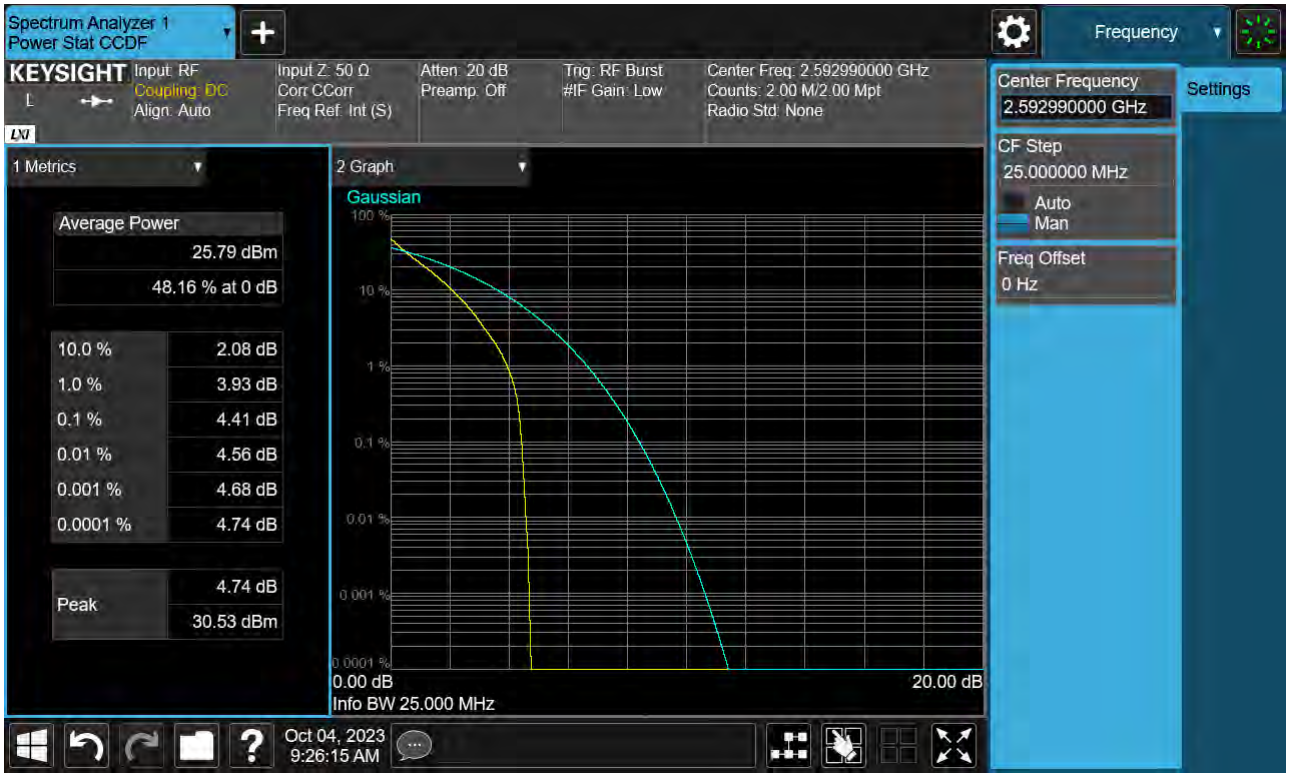


Sub6 n41. PAR Plot (20 M BW_Ch.518598_16QAM)

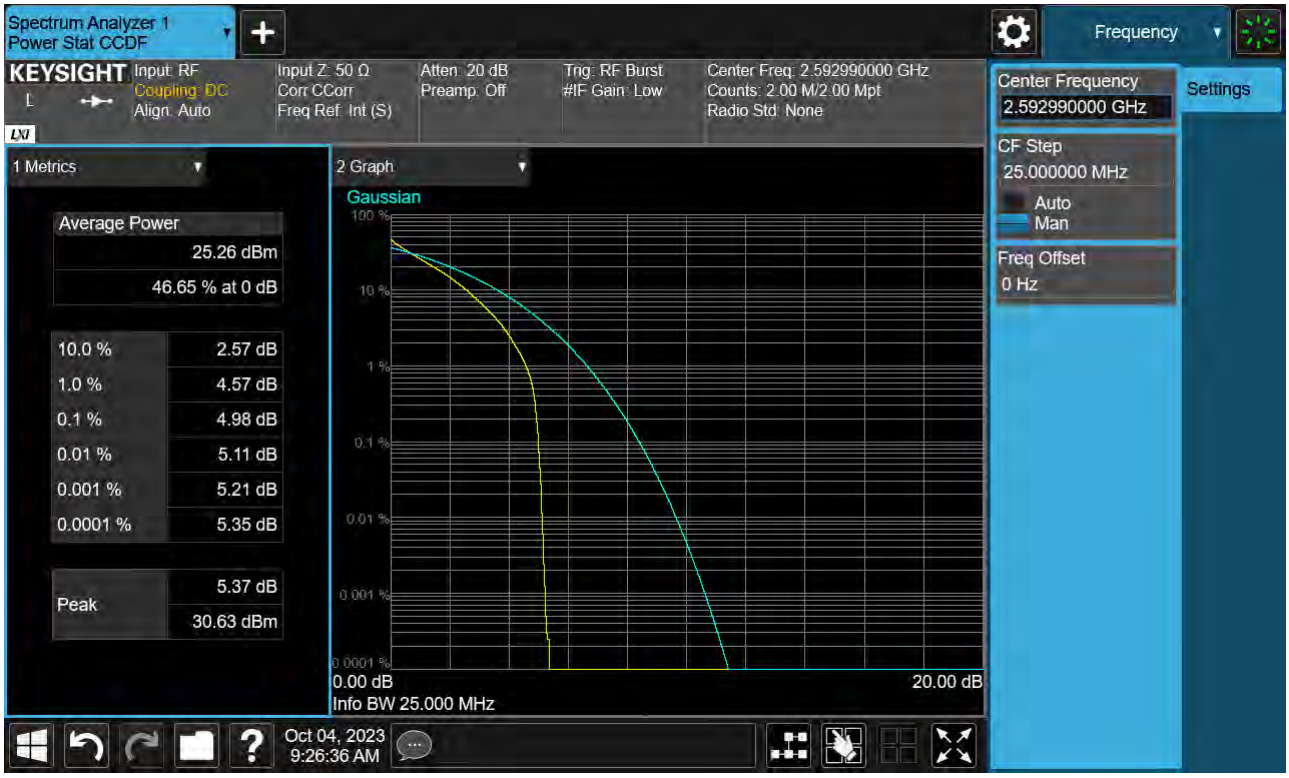
Sub6 n41. PAR Plot (20 M BW_Ch.518598_64QAM)

Sub6 n41. PAR Plot (20 M BW_Ch.518598_256QAM)

Sub6 n41. PAR Plot (25 M BW_Ch.518598_BPSK)



Sub6 n41. PAR Plot (25 M BW_Ch.518598_QPSK)



Sub6 n41. PAR Plot (25 M BW_Ch.518598_16QAM)

Sub6 n41. PAR Plot (25 M BW_Ch.518598_64QAM)

Sub6 n41. PAR Plot (25 M BW_Ch.518598_256QAM)

Sub6 n41. PAR Plot (30 M BW_Ch.518598_BPSK)