

TEST REPORT

FCC Sub6 n66 Test for SM-A376B/DS
Certification

APPLICANT
SAMSUNG Electronics Co., Ltd.

REPORT NO.
HCT-RF-2512-FC054

DATE OF ISSUE
December 17, 2025

Tested by
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TEST REPORT

REPORT NO.

HCT-RF-2512-FC054

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Additional Model

SM-A376B

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

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

Product Name

Mobile Phone

Model Name

SM-A376B/DS

Date of Test

November 13, 2025 ~ December 15, 2025

FCC ID

A3LSMA376B

Location of Test

☒ Permanent Testing Lab ☐ On Site Testing

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

FCC Classification:

PCS Licensed Transmitter Held to Ear (PCE)

Test Standard Used

FCC Rule Part: §27

Test Results

PASS

REVISION HISTORY

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

Revision No.	Date of Issue	Description
0	December 17, 2025	Initial Release

Notice

Content

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

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

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

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

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

Information provided by the applicant is marked **.

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

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

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

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MEASUREMENT REPORT

1. GENERAL INFORMATION

Model(s):	SM-A376B/DS
Additional Model	SM-A376B
SCS(kHz):	15
Bandwidth(MHz):	5, 10, 15, 20, 25, 30, 40
Waveform:	CP-OFDM, DFT-S-OFDM
Modulation:	DFT-S-OFDM: PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM
Tx Frequency:	1712.5 MHz – 1777.5 MHz (Sub6 n66(5 MHz)) 1715.0 MHz – 1775.0 MHz (Sub6 n66(10 MHz)) 1717.5 MHz – 1772.5 MHz (Sub6 n66(15 MHz)) 1720.0 MHz – 1770.0 MHz (Sub6 n66(20 MHz)) 1722.5 MHz – 1767.5 MHz (Sub6 n66(25 MHz)) 1725.0 MHz – 1765.0 MHz (Sub6 n66(30 MHz)) 1730.0 MHz – 1760.0 MHz (Sub6 n66(40 MHz))
Serial number:	Radiated : R37YA004DMX Conducted : R37YA004E0R
Antenna Information	Please refer to the Antenna Specification document.

1.1. MAXIMUM OUTPUT POWER

Ant B

Mode (MHz)	Tx Frequency (MHz)	Emission Designator	Modulation	EIRP	
				Max. Power (W)	Max. Power (dBm)
Sub6 n66 (5)	1712.5 – 1777.5	4M51G7D	PI/2 BPSK	0.171	22.32
		4M50G7D	QPSK	0.167	22.24
		4M50W7D	16QAM	0.132	21.21
		4M50W7D	64QAM	0.092	19.63
		4M54W7D	256QAM	0.059	17.70
Sub6 n66 (10)	1715.0 – 1775.0	8M99G7D	PI/2 BPSK	0.176	22.45
		9M03G7D	QPSK	0.175	22.44
		9M00W7D	16QAM	0.139	21.43
		9M01W7D	64QAM	0.097	19.87
		9M00W7D	256QAM	0.061	17.85
Sub6 n66 (15)	1717.5 – 1772.5	13M5G7D	PI/2 BPSK	0.184	22.64
		13M5G7D	QPSK	0.180	22.55
		13M4W7D	16QAM	0.137	21.38
		13M5W7D	64QAM	0.097	19.89
		13M5W7D	256QAM	0.062	17.93
Sub6 n66 (20)	1720.0 – 1770.0	18M0G7D	PI/2 BPSK	0.180	22.55
		17M9G7D	QPSK	0.174	22.41
		17M9W7D	16QAM	0.137	21.38
		17M9W7D	64QAM	0.098	19.90
		17M9W7D	256QAM	0.063	17.98
Sub6 n66 (25)	1722.5 – 1767.5	23M0G7D	PI/2 BPSK	0.182	22.60
		22M9G7D	QPSK	0.181	22.58
		23M0W7D	16QAM	0.144	21.58
		23M0W7D	64QAM	0.101	20.04
		23M0W7D	256QAM	0.063	18.00
Sub6 n66 (30)	1725.0 – 1765.0	28M8G7D	PI/2 BPSK	0.187	22.71
		28M8G7D	QPSK	0.184	22.64
		28M7W7D	16QAM	0.138	21.41
		28M8W7D	64QAM	0.099	19.97
		28M8W7D	256QAM	0.064	18.08
Sub6 n66 (40)	1730.0 – 1760.0	38M8G7D	PI/2 BPSK	0.190	22.79
		38M9G7D	QPSK	0.185	22.68
		38M8W7D	16QAM	0.150	21.75
		38M8W7D	64QAM	0.104	20.19
		38M8W7D	256QAM	0.065	18.14

Ant F

Mode (MHz)	Tx Frequency (MHz)	Emission Designator	Modulation	EIRP	
				Max. Power (W)	Max. Power (dBm)
Sub6 n66 (5)	1712.5 – 1777.5	4M50G7D	PI/2 BPSK	0.242	23.83
		4M55G7D	QPSK	0.240	23.80
		4M50W7D	16QAM	0.189	22.76
		4M49W7D	64QAM	0.135	21.29
		4M52W7D	256QAM	0.085	19.29
Sub6 n66 (10)	1715.0 – 1775.0	9M00G7D	PI/2 BPSK	0.246	23.91
		9M00G7D	QPSK	0.243	23.86
		8M97W7D	16QAM	0.191	22.82
		8M99W7D	64QAM	0.136	21.33
		9M04W7D	256QAM	0.086	19.35
Sub6 n66 (15)	1717.5 – 1772.5	13M5G7D	PI/2 BPSK	0.244	23.88
		13M5G7D	QPSK	0.242	23.83
		13M4W7D	16QAM	0.189	22.77
		13M4W7D	64QAM	0.132	21.19
		13M4W7D	256QAM	0.084	19.26
Sub6 n66 (20)	1720.0 – 1770.0	17M9G7D	PI/2 BPSK	0.247	23.92
		17M9G7D	QPSK	0.244	23.87
		17M9W7D	16QAM	0.192	22.83
		17M9W7D	64QAM	0.136	21.34
		18M0W7D	256QAM	0.087	19.38
Sub6 n66 (25)	1722.5 – 1767.5	23M0G7D	PI/2 BPSK	0.252	24.02
		23M0G7D	QPSK	0.249	23.97
		22M9W7D	16QAM	0.198	22.97
		22M9W7D	64QAM	0.138	21.41
		23M0W7D	256QAM	0.087	19.41
Sub6 n66 (30)	1725.0 – 1765.0	28M7G7D	PI/2 BPSK	0.247	23.92
		28M7G7D	QPSK	0.245	23.89
		28M7W7D	16QAM	0.194	22.87
		28M7W7D	64QAM	0.137	21.36
		28M7W7D	256QAM	0.086	19.37
Sub6 n66 (40)	1730.0 – 1760.0	38M8G7D	PI/2 BPSK	0.250	23.98
		38M7G7D	QPSK	0.249	23.96
		38M7W7D	16QAM	0.196	22.92
		38M7W7D	64QAM	0.140	21.46
		38M7W7D	256QAM	0.088	19.43

2. INTRODUCTION

2.1. DESCRIPTION OF EUT

Please refer to the [2G3G] Test Report.

2.2. MEASURING INSTRUMENT CALIBRATION

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

2.3. TEST FACILITY

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

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

2.4. EQUIPMENT

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

Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers. Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

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

3. DESCRIPTION OF TESTS

3.1 TEST PROCEDURE

Test Description	Test Procedure Used
Occupied Bandwidth	- KDB 971168 D01 v03r01 – Section 4.3 - ANSI C63.26-2015 – Section 5.4.4
Band Edge	- KDB 971168 D01 v03r01 – Section 6.0 - ANSI C63.26-2015 – Section 5.7
Spurious and Harmonic Emissions at Antenna Terminal	- KDB 971168 D01 v03r01 – Section 6.0 - ANSI C63.26-2015 – Section 5.7
Conducted Output Power	- KDB 971168 D01 v03r01 - Section 5.2.4 - ANSI C63.26-2015 - Section 5.2.1 & 5.2.4.2
Peak- to- Average Ratio	- KDB 971168 D01 v03r01 – Section 5.7 - ANSI C63.26-2015 – Section 5.2.3.4
Frequency stability	- ANSI C63.26-2015 – Section 5.6
Radiated Power	- ANSI C63.26-2015 – Section 5.2.4.4 - KDB 971168 D01 v03r01 – Section 5.8
Radiated Spurious and Harmonic Emissions	- ANSI C63.26-2015 – Section 5.5.3 - KDB 971168 D01 v03r01 – Section 5.8

3.2 RADIATED POWER

Test Overview

Radiated tests are performed in the Fully-anechoic chamber.

The equipment under test is placed on a non-conductive table 3-meters away from the receive antenna.

Test Settings

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

Test Note

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

The power is calculated by the following formula;

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

Where: P_d is the dipole equivalent power and P_g is the generator output power into the substitution antenna.

3. The maximum value is calculated by adding the forward power to the calibrated source plus its appropriate gain value.

These steps are repeated with the receiving antenna in both vertical and horizontal polarization. the difference between the gain of the horn and an isotropic antenna are taken into consideration

4. The EUT was tested in three orthogonal planes(X, Y, Z) and in all possible test configurations and positioning.
5. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

3.3 RADIATED SPURIOUS EMISSIONS

Test Overview

Radiated tests are performed in the Fully-anechoic chamber.

Radiated Spurious Emission Measurements at 3 meters by Substitution Method.

Test Settings

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

Test Note

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

The spurious emissions is calculated by the following formula;

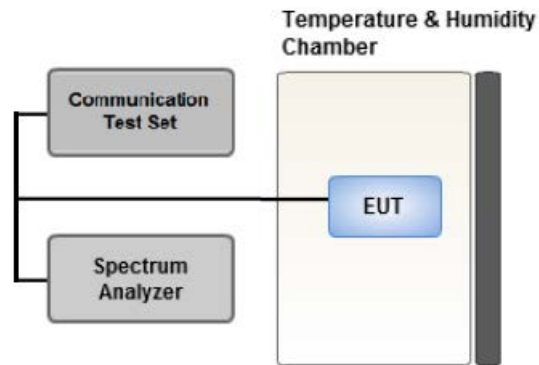
$$\text{Result}_{(\text{dBm})} = P_g_{(\text{dBm})} - \text{cable loss}_{(\text{dB})} + \text{antenna gain}_{(\text{dBi})}$$

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

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

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

3.4 PEAK- TO- AVERAGE RATIO

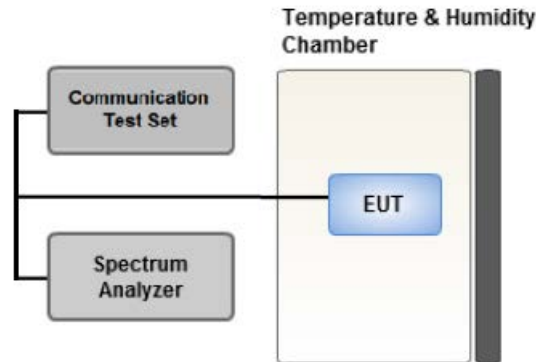


Test setup

Test Settings

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

3.5 OCCUPIED BANDWIDTH.



Test setup

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

The EUT makes a call to the communication simulator.

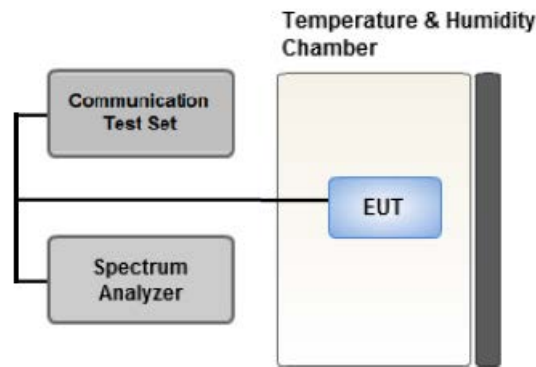
The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.

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

Test Settings

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

3.6 SPURIOUS AND HARMONIC EMISSIONS AT ANTENNA TERMINAL



Test setup

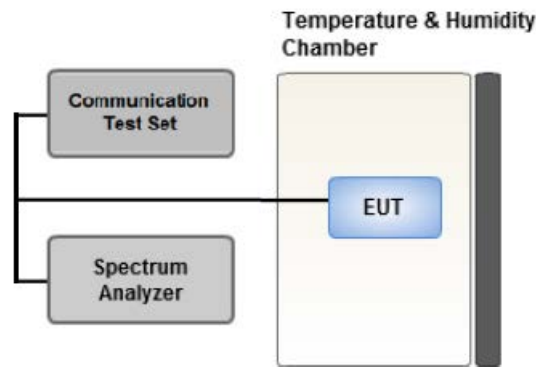
Test Overview

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

Test Settings

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

3.7 BAND 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 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. 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. RBW > 1 % of the emission bandwidth
4. VBW > 3 x RBW
5. Detector = RMS
6. Number of sweep points $\geq 2 \times \text{Span/RBW}$
7. Trace mode = trace average
8. Sweep time > (Number of Points) $\times$ (Symbol Period)
9. The trace was allowed to stabilize

Test Notes

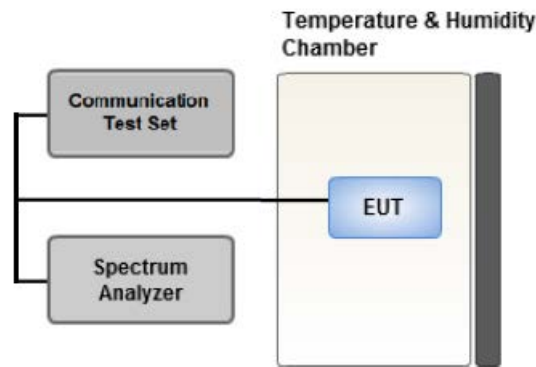
According to FCC 22.917, 24.238, 27.53 specified that power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

All measurements were done at 2 channels(low and high operational frequency range.)

The band edge measurement used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.

Where Margin < 1 dB the emission level is either corrected by $10 \log(1 \text{ MHz/ RB})$ 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
Worst case: SA
Mode : Stand alone, Stand alone + External accessories (Earphone, AC adapter, etc)
Worst case : Stand alone
- All simultaneous transmission scenarios of operation were investigated, and the test results showed no additional significant emissions relative to the least restrictive limit were observed.
Therefore, only the worst case(stand-alone) results were reported.
- Radiated Spurious emissions are measured while operating in EN-DC mode with Sub 6 NR carrier as well as an LTE carrier (anchor).
All EN-DC mode of operation (=anchor) were investigated and the test results were measured No Peak Found.
The test results which are attenuated more than 20 dB below the permissible value, so it was not reported.
- All RB sizes, offsets of operation were investigated and the worst case configuration results are reported.
Please refer to the table below.
- In the case of radiated spurious emissions, all bandwidth of operation was investigated and the worst case bandwidth results are reported. (Worst case : 40 MHz(Ant B), 25 MHz(Ant F))
- SM-A376B/DS & additional models were tested and the worst case results are reported.
(Worst case : SM-A376B/DS)

[Ant B Worst case]

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

[Ant F Worst case]

Test Description	Modulation	RB size	RB offset	Axis
Equivalent Isotropic Radiated Power	PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM	See Section 9.1		Y
Radiated Spurious and Harmonic Emissions	PI/2 BPSK	See Section 9.2		X

3.10 WORST CASE(CONDUCTED TEST)

- Waveform : All Waveform of operation were investigated and the worst case configuration results are reported.
(Worst case: DFT-S-OFDM)
- Modulation : All Modulation of operation were investigated and the worst case configuration results are reported.
(Worst case: PI/2 BPSK)
- All modes of operation were investigated and the worst case configuration results are reported.
Mode: SA, NSA
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-A376B/DS & additional models were tested and the worst case results are reported.
(Worst case : SM-A376B/DS)

[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	5, 10, 15, 20, 25, 30, 40	Mid	Full RB	0
Band Edge	PI/2 BPSK	5	Low	1	0
			High	1	24
		10	Low	1	0
			High	1	51
		15	Low	1	0
			High	1	78
		20	Low	1	0
			High	1	105
		25	Low	1	0
			High	1	132
		30	Low	1	0
			High	1	159
		40	Low	1	0
			High	1	215
		5, 10, 15, 20, 25, 30, 40	Low, High	Full RB	0
Spurious and Harmonic Emissions at Antenna Terminal	PI/2 BPSK	5, 10, 15, 20, 25, 30, 40	Low, Mid, High	1	1

4. LIST OF TEST EQUIPMENT

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

Note:

- Equipment whose calibration due date was updated during the test period was not used between the previous due date and the update.
All reported measurements were performed using equipment within valid calibration.
- Especially, all antenna for measurement is calibrated in accordance with the requirements of ANSI C63.5-2017.

5. MEASUREMENT UNCERTAINTY

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

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

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

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

6. SUMMARY OF TEST RESULTS

-. The decision rule applies 'simple acceptance'

6.1 Test Condition: Conducted Test

Test Description	FCC Part Section(s)	Test Limit	Test Result
Occupied Bandwidth	§2.1049	N/A	PASS
Band Edge / Spurious and Harmonic Emissions at Antenna Terminal.	§2.1051, §27.53(h)	$< 43 + 10\log_{10} (P[\text{Watts}])$ at Band Edge and for all out-of-band emissions	PASS
Conducted Output Power	§2.1046	N/A	PASS Note1
Peak- to- Average Ratio	§27.50(d)(5)	$< 13 \text{ dB}$	PASS
Frequency stability / variation of ambient temperature	§2.1055, §27.54	Emission must remain in band	PASS

Note:

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

6.2 Test Condition: Radiated Test

Test Description	FCC Part Section(s)	Test Limit	Test Result
Equivalent Isotropic Radiated Power	§27.50(d)(4)	$< 1 \text{ Watts max. EIRP}$	PASS
Radiated Spurious and Harmonic Emissions	§2.1053, §27.53(h)	$< 43 + 10\log_{10} (P[\text{Watts}])$ for all out-of band emissions	PASS

Note:

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

7. SAMPLE CALCULATION

7.1 ERP Sample Calculation

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

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

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

7.2 EIRP Sample Calculation

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

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

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

7.3. Emission Designator

GSM Emission Designator

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

EDGE Emission Designator

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

WCDMA Emission Designator

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

QPSK Modulation

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

QAM Modulation

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

8. TEST DATA (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
1712.5	Sub6 n66/ 5 MHz [15 kHz]	PI/2 BPSK	-20.84	12.40	10.12	2.06	H	< 1.00	0.111	20.46	1	12
		QPSK	-20.86	12.38	10.12	2.06	H		0.111	20.44		
		16-QAM	-21.84	11.40	10.12	2.06	H		0.088	19.46		
		64-QAM	-23.49	9.75	10.12	2.06	H		0.060	17.81		
		256-QAM	-25.51	7.73	10.12	2.06	H		0.038	15.79		
1745.0		PI/2 BPSK	-19.28	13.86	10.43	2.08	H		0.166	22.21	1	12
		QPSK	-19.31	13.83	10.43	2.08	H		0.165	22.18		
		16-QAM	-20.36	12.78	10.43	2.08	H		0.130	21.13		
		64-QAM	-21.94	11.20	10.43	2.08	H		0.090	19.55		
		256-QAM	-23.83	9.31	10.43	2.08	H		0.058	17.66		
1777.5		PI/2 BPSK	-19.19	13.94	10.50	2.12	H		0.171	22.32	1	12
		QPSK	-19.27	13.86	10.50	2.12	H		0.167	22.24		
		16-QAM	-20.30	12.83	10.50	2.12	H		0.132	21.21		
		64-QAM	-21.88	11.25	10.50	2.12	H		0.092	19.63		
		256-QAM	-23.81	9.32	10.50	2.12	H		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
1715.0		PI/2 BPSK	-20.80	12.44	10.12	2.06	H	< 1.00	0.112	20.50	1	50
		QPSK	-20.83	12.41	10.12	2.06	H		0.111	20.47		
		16-QAM	-21.91	11.33	10.12	2.06	H		0.087	19.39		
		64-QAM	-23.45	9.79	10.12	2.06	H		0.061	17.85		
		256-QAM	-25.40	7.84	10.12	2.06	H		0.039	15.90		
1745.0	Sub6 n66/ 10 MHz [15 kHz]	PI/2 BPSK	-19.18	13.96	10.43	2.08	H	< 1.00	0.170	22.31	1	50
		QPSK	-19.19	13.95	10.43	2.08	H		0.170	22.30		
		16-QAM	-20.18	12.96	10.43	2.08	H		0.135	21.31		
		64-QAM	-21.69	11.45	10.43	2.08	H		0.096	19.80		
		256-QAM	-23.79	9.35	10.43	2.08	H		0.059	17.70		
1775.0		PI/2 BPSK	-19.01	14.07	10.49	2.11	H	< 1.00	0.176	22.45	1	1
		QPSK	-19.02	14.06	10.49	2.11	H		0.175	22.44		
		16-QAM	-20.03	13.05	10.49	2.11	H		0.139	21.43		
		64-QAM	-21.59	11.49	10.49	2.11	H		0.097	19.87		
		256-QAM	-23.61	9.47	10.49	2.11	H		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
1717.5		PI/2 BPSK	-20.51	12.69	10.18	2.07	H	< 1.00	0.120	20.80	1	77
		QPSK	-20.60	12.60	10.18	2.07	H		0.118	20.71		
		16-QAM	-21.51	11.69	10.18	2.07	H		0.096	19.80		
		64-QAM	-23.13	10.07	10.18	2.07	H		0.066	18.18		
		256-QAM	-25.03	8.17	10.18	2.07	H		0.042	16.28		
1745.0	Sub6 n66/ 15 MHz [15 kHz]	PI/2 BPSK	-19.17	13.97	10.43	2.08	H		0.171	22.32	1	39
		QPSK	-19.28	13.86	10.43	2.08	H		0.166	22.21		
		16-QAM	-20.30	12.84	10.43	2.08	H		0.132	21.19		
		64-QAM	-21.95	11.19	10.43	2.08	H		0.090	19.54		
		256-QAM	-23.82	9.32	10.43	2.08	H		0.059	17.67		
1772.5		PI/2 BPSK	-18.82	14.26	10.49	2.11	H		0.184	22.64	1	39
		QPSK	-18.91	14.17	10.49	2.11	H		0.180	22.55		
		16-QAM	-20.08	13.00	10.49	2.11	H		0.137	21.38		
		64-QAM	-21.57	11.51	10.49	2.11	H		0.097	19.89		
		256-QAM	-23.53	9.55	10.49	2.11	H		0.062	17.93		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
1720.0		PI/2 BPSK	-19.99	13.21	10.18	2.07	H	< 1.00	0.136	21.32	1	104
		QPSK	-20.05	13.15	10.18	2.07	H		0.134	21.26		
		16-QAM	-21.02	12.18	10.18	2.07	H		0.107	20.29		
		64-QAM	-22.52	10.68	10.18	2.07	H		0.076	18.79		
		256-QAM	-24.55	8.65	10.18	2.07	H		0.047	16.76		
1745.0	Sub6 n66/ 20 MHz [15 kHz]	PI/2 BPSK	-19.08	14.06	10.43	2.08	H		0.174	22.41	1	104
		QPSK	-19.24	13.90	10.43	2.08	H		0.168	22.25		
		16-QAM	-20.25	12.89	10.43	2.08	H		0.133	21.24		
		64-QAM	-21.73	11.41	10.43	2.08	H		0.095	19.76		
		256-QAM	-23.70	9.44	10.43	2.08	H		0.060	17.79		
1770.0		PI/2 BPSK	-18.87	14.17	10.49	2.11	H		0.180	22.55	1	53
		QPSK	-19.01	14.03	10.49	2.11	H		0.174	22.41		
		16-QAM	-20.04	13.00	10.49	2.11	H		0.137	21.38		
		64-QAM	-21.52	11.52	10.49	2.11	H		0.098	19.90		
		256-QAM	-23.44	9.60	10.49	2.11	H		0.063	17.98		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
1722.5		PI/2 BPSK	-19.48	13.75	10.23	2.07	H	< 1.00	0.155	21.91	1	131
		QPSK	-19.53	13.70	10.23	2.07	H		0.153	21.86		
		16-QAM	-20.57	12.66	10.23	2.07	H		0.121	20.82		
		64-QAM	-22.05	11.18	10.23	2.07	H		0.086	19.34		
		256-QAM	-23.98	9.25	10.23	2.07	H		0.055	17.41		
1745.0	Sub6 n66/ 25 MHz [15 kHz]	PI/2 BPSK	-18.89	14.25	10.43	2.08	H		0.182	22.60	1	131
		QPSK	-18.91	14.23	10.43	2.08	H		0.181	22.58		
		16-QAM	-19.91	13.23	10.43	2.08	H		0.144	21.58		
		64-QAM	-21.45	11.69	10.43	2.08	H		0.101	20.04		
		256-QAM	-23.49	9.65	10.43	2.08	H		0.063	18.00		
1767.5		PI/2 BPSK	-18.99	14.05	10.49	2.11	H		0.175	22.43	1	66
		QPSK	-19.02	14.02	10.49	2.11	H		0.174	22.40		
		16-QAM	-20.06	12.98	10.49	2.11	H		0.137	21.36		
		64-QAM	-21.60	11.44	10.49	2.11	H		0.096	19.82		
		256-QAM	-23.48	9.56	10.49	2.11	H		0.062	17.94		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
1725.0		PI/2 BPSK	-19.20	14.03	10.23	2.07	H	< 1.00	0.166	22.19	1	158
		QPSK	-19.30	13.93	10.23	2.07	H		0.162	22.09		
		16-QAM	-20.35	12.88	10.23	2.07	H		0.127	21.04		
		64-QAM	-21.82	11.41	10.23	2.07	H		0.090	19.57		
		256-QAM	-23.69	9.54	10.23	2.07	H		0.059	17.70		
1745.0	Sub6 n66/ 30 MHz [15 kHz]	PI/2 BPSK	-19.04	14.10	10.43	2.08	H		0.176	22.45	1	158
		QPSK	-19.05	14.09	10.43	2.08	H		0.175	22.44		
		16-QAM	-20.11	13.03	10.43	2.08	H		0.137	21.38		
		64-QAM	-21.63	11.51	10.43	2.08	H		0.097	19.86		
		256-QAM	-23.60	9.54	10.43	2.08	H		0.061	17.89		
1765.0		PI/2 BPSK	-18.76	14.33	10.48	2.10	H		0.187	22.71	1	80
		QPSK	-18.83	14.26	10.48	2.10	H		0.184	22.64		
		16-QAM	-20.06	13.03	10.48	2.10	H		0.138	21.41		
		64-QAM	-21.50	11.59	10.48	2.10	H		0.099	19.97		
		256-QAM	-23.39	9.70	10.48	2.10	H		0.064	18.08		

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
1730.0	Sub6 n66/ 40 MHz [15 kHz]	PI/2 BPSK	-19.13	14.12	10.29	2.07	H	< 1.00	0.171	22.34	1	214
		QPSK	-19.22	14.03	10.29	2.07	H		0.168	22.25		
		16-QAM	-20.19	13.06	10.29	2.07	H		0.134	21.28		
		64-QAM	-21.66	11.59	10.29	2.07	H		0.096	19.81		
		256-QAM	-23.63	9.62	10.29	2.07	H		0.061	17.84		
1745.0		PI/2 BPSK	-18.70	14.44	10.43	2.08	H		0.190	22.79	1	214
		QPSK	-18.81	14.33	10.43	2.08	H		0.185	22.68		
		16-QAM	-19.74	13.40	10.43	2.08	H		0.150	21.75		
		64-QAM	-21.30	11.84	10.43	2.08	H		0.104	20.19		
		256-QAM	-23.35	9.79	10.43	2.08	H		0.065	18.14		
1760.0		PI/2 BPSK	-18.91	14.23	10.48	2.09	H		0.183	22.62	1	108
		QPSK	-18.94	14.20	10.48	2.09	H		0.182	22.59		
		16-QAM	-20.02	13.12	10.48	2.09	H		0.142	21.51		
		64-QAM	-21.42	11.72	10.48	2.09	H		0.103	20.11		
		256-QAM	-23.42	9.72	10.48	2.09	H		0.065	18.11		

8.2 RADIATED SPURIOUS EMISSIONS

■ NR Band:	<u>N66</u>
■ Bandwidth:	<u>40 MHz</u>
■ Modulation:	<u>PI/2 BPSK</u>
■ Distance:	<u>3 meters</u>
■ SCS:	<u>15 kHz</u>

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
346000 (1730.0)	3 460.00	-60.35	12.00	-60.55	3.02	V	-51.57	-13.00	1	214
	5 190.00	-61.61	11.63	-55.04	3.84	V	-47.25	-13.00		
	6 920.00	-63.17	11.16	-50.01	4.54	V	-43.39	-13.00		
349000 (1745.0)	3 490.00	-59.98	12.04	-60.49	3.06	V	-51.51	-13.00	1	214
	5 235.00	-61.93	11.76	-55.55	3.86	V	-47.65	-13.00		
	6 980.00	-62.70	11.16	-49.01	4.55	V	-42.40	-13.00		
352000 (1760.0)	3 520.00	-60.06	12.04	-60.90	3.08	V	-51.94	-13.00	1	108
	5 280.00	-62.17	11.88	-55.47	3.88	V	-47.47	-13.00		
	7 040.00	-63.09	11.01	-48.73	4.57	V	-42.29	-13.00		

8.3 PEAK-TO-AVERAGE RATIO

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (dB)	Limit (dB)
Sub6 n66	5 MHz	1745.0	PI/2 BPSK	25	0	4.73	13.00
			QPSK			5.87	
			16-QAM			6.63	
			64-QAM			7.01	
			256-QAM			7.16	
	10 MHz		PI/2 BPSK	50		4.60	
			QPSK			5.75	
			16-QAM			6.36	
			64-QAM			6.67	
			256-QAM			6.81	
	15 MHz		PI/2 BPSK	75		4.47	
			QPSK			5.59	
			16-QAM			6.43	
			64-QAM			6.63	
			256-QAM			6.95	
	20 MHz		PI/2 BPSK	100		4.54	
			QPSK			5.55	
			16-QAM			6.30	
			64-QAM			6.55	
			256-QAM			6.85	
	25 MHz		PI/2 BPSK	128		4.63	
			QPSK			5.71	
			16-QAM			6.34	
			64-QAM			6.72	
			256-QAM			6.88	
	30 MHz		PI/2 BPSK	160		4.71	
			QPSK			5.74	
			16-QAM			6.36	
			64-QAM			6.55	
			256-QAM			6.87	
	40 MHz		PI/2 BPSK	216		4.75	
			QPSK			5.73	
			16-QAM			6.52	
			64-QAM			6.63	
			256-QAM			6.96	

Note:

1. Plots of the EUT's Peak- to- Average Ratio are shown Page 62 ~ 96.

8.4 OCCUPIED BANDWIDTH

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (MHz)
Sub6 n66	5 MHz	1745.0	PI/2 BPSK	25	0	4.5090
			QPSK			4.5001
			16-QAM			4.5023
			64-QAM			4.5022
			256-QAM			4.5397
	10 MHz		PI/2 BPSK	50		8.9901
			QPSK			9.0249
			16-QAM			9.0002
			64-QAM			9.0047
			256-QAM			8.9961
	15 MHz		PI/2 BPSK	75		13.469
			QPSK			13.453
			16-QAM			13.442
			64-QAM			13.505
			256-QAM			13.447
	20 MHz		PI/2 BPSK	100		17.950
			QPSK			17.859
			16-QAM			17.906
			64-QAM			17.908
			256-QAM			17.927
	25 MHz		PI/2 BPSK	128		22.952
			QPSK			22.928
			16-QAM			22.951
			64-QAM			22.985
			256-QAM			23.022
	30 MHz		PI/2 BPSK	160		28.836
			QPSK			28.794
			16-QAM			28.701
			64-QAM			28.770
			256-QAM			28.779
	40 MHz		PI/2 BPSK	216		38.779
			QPSK			38.892
			16-QAM			38.776
			64-QAM			38.765
			256-QAM			38.799

Note:

1. Plots of the EUT's Occupied Bandwidth are shown Page 97 ~ 131.

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 n66	5	1712.5	9.1526	29.116	-62.365	-33.249	-13.00
		1745.0	7.7568	29.116	-63.260	-34.144	
		1777.5	4.9253	28.533	-61.974	-33.441	
	10	1715.0	9.6909	29.116	-63.516	-34.400	
		1745.0	9.7508	29.116	-63.177	-34.061	
		1775.0	5.5035	29.116	-62.925	-33.809	
	15	1717.5	9.9900	29.116	-62.757	-33.641	
		1745.0	3.7787	28.533	-63.372	-34.839	
		1772.5	3.9881	28.533	-62.170	-33.637	
	20	1720.0	9.6909	29.116	-63.351	-34.235	
		1745.0	9.9801	29.116	-63.526	-34.410	
		1770.0	9.9601	29.116	-62.971	-33.855	
	25	1722.5	9.0429	29.116	-62.472	-33.356	
		1745.0	4.8555	28.533	-61.433	-32.900	
		1767.5	4.0280	28.533	-62.706	-34.173	
	30	1725.0	3.7887	28.533	-63.299	-34.766	
		1745.0	8.3350	29.116	-63.549	-34.433	
		1765.0	9.6810	29.116	-63.870	-34.754	
	40	1730.0	4.0379	28.533	-63.322	-34.789	
		1745.0	8.0259	29.116	-62.834	-33.718	
		1760.0	4.0878	29.116	-62.939	-33.823	

Note:

1. Plots of the EUT's Conducted Spurious Emissions are shown Page 132 ~ 173.
2. Result (dBm) = Measurement Maximum Data (dBm) + Factor (dB)
3. Factor(dB) = Cable Loss + Ext. Attenuator + Power Splitter

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

8.6 BAND EDGE

- Plots of the EUT's Band Edge are shown Page 174 ~ 215.

8.7 FREQUENCY STABILITY / VARIATION OF AMBIENT TEMPERATURE

- BandWidth: 5 MHz
- Voltage(100 %): 3.900 VDC
- Batt. Endpoint: 3.400 VDC
- LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	Error (Hz)	(%)	
1712.5	100 %	+20(Ref)	1712 500 002	0.0	0.000 000	0.000
	100 %	-30	1712 500 003	0.7	0.000 000	0.000
	100 %	-20	1712 500 003	0.8	0.000 000	0.000
	100 %	-10	1712 500 002	-0.7	0.000 000	0.000
	100 %	0	1712 500 003	0.3	0.000 000	0.000
	100 %	+10	1712 500 002	-0.2	0.000 000	0.000
	100 %	+30	1712 500 001	-1.2	0.000 000	-0.001
	100 %	+40	1712 500 002	0.0	0.000 000	0.000
	100 %	+50	1712 500 002	-0.4	0.000 000	0.000
	Batt. Endpoint	+20	1712 500 004	1.4	0.000 000	0.001
1777.5	100 %	+20(Ref)	1777 500 002	0.0	0.000 000	0.000
	100 %	-30	1777 499 999	-2.1	0.000 000	-0.001
	100 %	-20	1777 500 001	-0.8	0.000 000	0.000
	100 %	-10	1777 500 001	-0.4	0.000 000	0.000
	100 %	0	1777 500 001	-0.1	0.000 000	0.000
	100 %	+10	1777 500 000	-1.4	0.000 000	-0.001
	100 %	+30	1777 500 001	-0.1	0.000 000	0.000
	100 %	+40	1777 500 001	-0.7	0.000 000	0.000
	100 %	+50	1777 500 002	0.6	0.000 000	0.000
	Batt. Endpoint	+20	1777 500 000	-1.4	0.000 000	-0.001

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

Test. Frequency	Voltage	Temp.	Frequency	Frequency	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	Error (Hz)	(%)	
1715.0	100 %	+20(Ref)	1714 999 998	0.0	0.000 000	0.000
	100 %	-30	1714 999 999	0.8	0.000 000	0.000
	100 %	-20	1714 999 998	-0.1	0.000 000	0.000
	100 %	-10	1714 999 998	-0.9	0.000 000	-0.001
	100 %	0	1715 000 000	1.5	0.000 000	0.001
	100 %	+10	1714 999 999	0.9	0.000 000	0.001
	100 %	+30	1714 999 999	0.7	0.000 000	0.000
	100 %	+40	1714 999 998	-0.5	0.000 000	0.000
	100 %	+50	1714 999 998	-0.1	0.000 000	0.000
	Batt. Endpoint	+20	1714 999 999	0.2	0.000 000	0.000
1775.0	100 %	+20(Ref)	1775 000 001	0.0	0.000 000	0.000
	100 %	-30	1775 000 001	0.2	0.000 000	0.000
	100 %	-20	1775 000 002	1.2	0.000 000	0.001
	100 %	-10	1774 999 999	-1.9	0.000 000	-0.001
	100 %	0	1775 000 001	0.2	0.000 000	0.000
	100 %	+10	1775 000 001	-0.1	0.000 000	0.000
	100 %	+30	1774 999 999	-2.3	0.000 000	-0.001
	100 %	+40	1775 000 000	-1.6	0.000 000	-0.001
	100 %	+50	1775 000 001	-0.2	0.000 000	0.000
	Batt. Endpoint	+20	1775 000 003	1.3	0.000 000	0.001

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

Test. Frequency	Voltage	Temp.	Frequency	Frequency	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	Error (Hz)	(%)	
1717.5	100 %	+20(Ref)	1717 500 000	0.0	0.000 000	0.000
	100 %	-30	1717 499 999	-0.9	0.000 000	-0.001
	100 %	-20	1717 500 000	0.4	0.000 000	0.000
	100 %	-10	1717 499 999	-1.2	0.000 000	-0.001
	100 %	0	1717 499 999	-0.8	0.000 000	0.000
	100 %	+10	1717 499 999	-0.8	0.000 000	0.000
	100 %	+30	1717 500 000	-0.2	0.000 000	0.000
	100 %	+40	1717 500 000	0.5	0.000 000	0.000
	100 %	+50	1717 500 000	-0.2	0.000 000	0.000
	Batt. Endpoint	+20	1717 500 000	-0.2	0.000 000	0.000
1772.5	100 %	+20(Ref)	1772 500 000	0.0	0.000 000	0.000
	100 %	-30	1772 499 999	-0.4	0.000 000	0.000
	100 %	-20	1772 500 003	3.3	0.000 000	0.002
	100 %	-10	1772 499 999	-1.0	0.000 000	-0.001
	100 %	0	1772 500 000	0.4	0.000 000	0.000
	100 %	+10	1772 500 000	0.5	0.000 000	0.000
	100 %	+30	1772 499 999	-0.6	0.000 000	0.000
	100 %	+40	1772 499 997	-2.9	0.000 000	-0.002
	100 %	+50	1772 499 998	-1.8	0.000 000	-0.001
	Batt. Endpoint	+20	1772 499 998	-2.2	0.000 000	-0.001

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

Test. Frequency	Voltage	Temp.	Frequency	Frequency	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	Error (Hz)	(%)	
1720.0	100 %	+20(Ref)	1720 000 002	0.0	0.000 000	0.000
	100 %	-30	1720 000 002	0.4	0.000 000	0.000
	100 %	-20	1720 000 002	0.0	0.000 000	0.000
	100 %	-10	1720 000 003	0.9	0.000 000	0.001
	100 %	0	1720 000 001	-0.4	0.000 000	0.000
	100 %	+10	1720 000 001	-0.6	0.000 000	0.000
	100 %	+30	1720 000 000	-2.0	0.000 000	-0.001
	100 %	+40	1720 000 001	-0.3	0.000 000	0.000
	100 %	+50	1720 000 001	-0.3	0.000 000	0.000
	Batt. Endpoint	+20	1720 000 003	1.6	0.000 000	0.001
1770.0	100 %	+20(Ref)	1770 000 000	0.0	0.000 000	0.000
	100 %	-30	1770 000 000	-0.5	0.000 000	0.000
	100 %	-20	1769 999 998	-2.6	0.000 000	-0.001
	100 %	-10	1769 999 999	-1.1	0.000 000	-0.001
	100 %	0	1769 999 998	-2.6	0.000 000	-0.001
	100 %	+10	1769 999 998	-2.8	0.000 000	-0.002
	100 %	+30	1770 000 003	2.2	0.000 000	0.001
	100 %	+40	1769 999 999	-0.9	0.000 000	-0.001
	100 %	+50	1769 999 997	-3.0	0.000 000	-0.002
	Batt. Endpoint	+20	1769 999 999	-1.5	0.000 000	-0.001

- BandWidth: 25 MHz
- Voltage(100 %): 3.900 VDC
- Batt. Endpoint: 3.400 VDC
- LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	Error (Hz)	(%)	
1722.5	100 %	+20(Ref)	1722 000 000	0.0	0.000 000	0.000
	100 %	-30	1721 999 996	-4.0	0.000 000	-0.002
	100 %	-20	1721 999 998	-2.1	0.000 000	-0.001
	100 %	-10	1721 999 998	-1.5	0.000 000	-0.001
	100 %	0	1721 999 998	-1.5	0.000 000	-0.001
	100 %	+10	1721 999 998	-2.0	0.000 000	-0.001
	100 %	+30	1721 999 997	-2.4	0.000 000	-0.001
	100 %	+40	1721 999 998	-2.3	0.000 000	-0.001
	100 %	+50	1721 999 999	-0.7	0.000 000	0.000
	Batt. Endpoint	+20	1721 999 998	-1.9	0.000 000	-0.001
1767.5	100 %	+20(Ref)	1767 500 000	0.0	0.000 000	0.000
	100 %	-30	1767 500 001	0.7	0.000 000	0.000
	100 %	-20	1767 500 003	2.8	0.000 000	0.002
	100 %	-10	1767 499 999	-1.6	0.000 000	-0.001
	100 %	0	1767 500 003	2.3	0.000 000	0.001
	100 %	+10	1767 500 003	2.8	0.000 000	0.002
	100 %	+30	1767 500 000	-0.4	0.000 000	0.000
	100 %	+40	1767 500 003	2.9	0.000 000	0.002
	100 %	+50	1767 500 000	-0.6	0.000 000	0.000
	Batt. Endpoint	+20	1767 499 999	-0.8	0.000 000	0.000

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

Test. Frequency	Voltage	Temp.	Frequency	Frequency	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	Error (Hz)	(%)	
1725.0	100 %	+20(Ref)	1725 000 000	0.0	0.000 000	0.000
	100 %	-30	1724 999 998	-1.7	0.000 000	-0.001
	100 %	-20	1725 000 000	-0.3	0.000 000	0.000
	100 %	-10	1724 999 998	-1.5	0.000 000	-0.001
	100 %	0	1724 999 998	-1.8	0.000 000	-0.001
	100 %	+10	1725 000 000	0.0	0.000 000	0.000
	100 %	+30	1724 999 999	-0.3	0.000 000	0.000
	100 %	+40	1725 000 000	0.3	0.000 000	0.000
	100 %	+50	1725 000 000	0.2	0.000 000	0.000
	Batt. Endpoint	+20	1724 999 997	-2.6	0.000 000	-0.002
1765.0	100 %	+20(Ref)	1765 000 001	0.0	0.000 000	0.000
	100 %	-30	1765 000 000	-1.1	0.000 000	-0.001
	100 %	-20	1764 999 999	-2.2	0.000 000	-0.001
	100 %	-10	1765 000 001	-0.5	0.000 000	0.000
	100 %	0	1765 000 003	1.6	0.000 000	0.001
	100 %	+10	1765 000 004	2.1	0.000 000	0.001
	100 %	+30	1765 000 001	-0.9	0.000 000	-0.001
	100 %	+40	1765 000 002	0.6	0.000 000	0.000
	100 %	+50	1765 000 002	0.8	0.000 000	0.000
	Batt. Endpoint	+20	1765 000 000	-1.6	0.000 000	-0.001

- BandWidth: 40 MHz
- Voltage(100 %): 3.900 VDC
- Batt. Endpoint: 3.400 VDC
- LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	Error (Hz)	(%)	
1730.0	100 %	+20(Ref)	1730 000 000	0.0	0.000 000	0.000
	100 %	-30	1730 000 001	0.4	0.000 000	0.000
	100 %	-20	1730 000 001	0.3	0.000 000	0.000
	100 %	-10	1730 000 000	-0.2	0.000 000	0.000
	100 %	0	1729 999 998	-2.5	0.000 000	-0.001
	100 %	+10	1730 000 000	0.0	0.000 000	0.000
	100 %	+30	1729 999 999	-0.9	0.000 000	-0.001
	100 %	+40	1729 999 999	-1.3	0.000 000	-0.001
	100 %	+50	1730 000 001	0.5	0.000 000	0.000
	Batt. Endpoint	+20	1730 000 000	-0.7	0.000 000	0.000
1760.0	100 %	+20(Ref)	1759 999 999	0.0	0.000 000	0.000
	100 %	-30	1759 999 998	-0.7	0.000 000	0.000
	100 %	-20	1759 999 998	-1.0	0.000 000	-0.001
	100 %	-10	1759 999 997	-1.7	0.000 000	-0.001
	100 %	0	1759 999 999	-0.2	0.000 000	0.000
	100 %	+10	1759 999 998	-0.8	0.000 000	0.000
	100 %	+30	1759 999 999	0.0	0.000 000	0.000
	100 %	+40	1759 999 998	-0.5	0.000 000	0.000
	100 %	+50	1759 999 998	-1.0	0.000 000	-0.001
	Batt. Endpoint	+20	1760 000 000	0.8	0.000 000	0.000

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
1712.5	Sub6 n66/ 5 MHz [15 kHz]	PI/2 BPSK	-19.01	14.23	10.12	2.06	H	< 1.00	0.169	22.29	1	12
		QPSK	-19.06	14.18	10.12	2.06	H		0.167	22.24		
		16-QAM	-20.10	13.14	10.12	2.06	H		0.132	21.20		
		64-QAM	-21.70	11.54	10.12	2.06	H		0.091	19.60		
		256-QAM	-23.60	9.64	10.12	2.06	H		0.059	17.70		
1745.0		PI/2 BPSK	-17.66	15.48	10.43	2.08	H		0.242	23.83	1	23
		QPSK	-17.69	15.45	10.43	2.08	H		0.240	23.80		
		16-QAM	-18.73	14.41	10.43	2.08	H		0.189	22.76		
		64-QAM	-20.20	12.94	10.43	2.08	H		0.135	21.29		
		256-QAM	-22.20	10.94	10.43	2.08	H		0.085	19.29		
1777.5		PI/2 BPSK	-17.92	15.21	10.50	2.12	H		0.229	23.59	1	12
		QPSK	-17.95	15.18	10.50	2.12	H		0.227	23.56		
		16-QAM	-19.02	14.11	10.50	2.12	H		0.178	22.49		
		64-QAM	-20.63	12.50	10.50	2.12	H		0.123	20.88		
		256-QAM	-22.57	10.56	10.50	2.12	H		0.078	18.94		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
1715.0		PI/2 BPSK	-18.93	14.31	10.12	2.06	H	< 1.00	0.173	22.37	1	50
		QPSK	-18.96	14.28	10.12	2.06	H		0.171	22.34		
		16-QAM	-19.96	13.28	10.12	2.06	H		0.136	21.34		
		64-QAM	-21.51	11.73	10.12	2.06	H		0.095	19.79		
		256-QAM	-23.50	9.74	10.12	2.06	H		0.060	17.80		
1745.0	Sub6 n66/ 10 MHz [15 kHz]	PI/2 BPSK	-17.58	15.56	10.43	2.08	H	< 1.00	0.246	23.91	1	50
		QPSK	-17.63	15.51	10.43	2.08	H		0.243	23.86		
		16-QAM	-18.67	14.47	10.43	2.08	H		0.191	22.82		
		64-QAM	-20.16	12.98	10.43	2.08	H		0.136	21.33		
		256-QAM	-22.14	11.00	10.43	2.08	H		0.086	19.35		
1775.0		PI/2 BPSK	-17.91	15.17	10.49	2.11	H	< 1.00	0.226	23.55	1	1
		QPSK	-17.93	15.15	10.49	2.11	H		0.225	23.53		
		16-QAM	-18.93	14.15	10.49	2.11	H		0.179	22.53		
		64-QAM	-20.50	12.58	10.49	2.11	H		0.125	20.96		
		256-QAM	-22.50	10.58	10.49	2.11	H		0.079	18.96		

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
1717.5		PI/2 BPSK	-18.73	14.47	10.18	2.07	H	< 1.00	0.181	22.58	1	77
		QPSK	-18.79	14.41	10.18	2.07	H		0.179	22.52		
		16-QAM	-19.80	13.40	10.18	2.07	H		0.142	21.51		
		64-QAM	-21.36	11.84	10.18	2.07	H		0.099	19.95		
		256-QAM	-23.34	9.86	10.18	2.07	H		0.063	17.97		
1745.0	Sub6 n66/ 15 MHz [15 kHz]	PI/2 BPSK	-17.61	15.53	10.43	2.08	H	< 1.00	0.244	23.88	1	39
		QPSK	-17.66	15.48	10.43	2.08	H		0.242	23.83		
		16-QAM	-18.72	14.42	10.43	2.08	H		0.189	22.77		
		64-QAM	-20.30	12.84	10.43	2.08	H		0.132	21.19		
		256-QAM	-22.23	10.91	10.43	2.08	H		0.084	19.26		
1772.5		PI/2 BPSK	-17.76	15.32	10.49	2.11	H	< 1.00	0.235	23.70	1	39
		QPSK	-17.81	15.27	10.49	2.11	H		0.232	23.65		
		16-QAM	-18.88	14.20	10.49	2.11	H		0.181	22.58		
		64-QAM	-20.35	12.73	10.49	2.11	H		0.129	21.11		
		256-QAM	-22.36	10.72	10.49	2.11	H		0.081	19.10		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
1720.0		PI/2 BPSK	-18.65	14.55	10.18	2.07	H	< 1.00	0.185	22.66	1	104
		QPSK	-18.68	14.52	10.18	2.07	H		0.183	22.63		
		16-QAM	-19.68	13.52	10.18	2.07	H		0.145	21.63		
		64-QAM	-21.18	12.02	10.18	2.07	H		0.103	20.13		
		256-QAM	-23.16	10.04	10.18	2.07	H		0.065	18.15		
1745.0	Sub6 n66/ 20 MHz [15 kHz]	PI/2 BPSK	-17.57	15.57	10.43	2.08	H		0.247	23.92	1	104
		QPSK	-17.62	15.52	10.43	2.08	H		0.244	23.87		
		16-QAM	-18.66	14.48	10.43	2.08	H		0.192	22.83		
		64-QAM	-20.15	12.99	10.43	2.08	H		0.136	21.34		
		256-QAM	-22.11	11.03	10.43	2.08	H		0.087	19.38		
1770.0		PI/2 BPSK	-17.74	15.30	10.49	2.11	H		0.233	23.68	1	53
		QPSK	-17.80	15.24	10.49	2.11	H		0.230	23.62		
		16-QAM	-18.87	14.17	10.49	2.11	H		0.180	22.55		
		64-QAM	-20.31	12.73	10.49	2.11	H		0.129	21.11		
		256-QAM	-22.24	10.80	10.49	2.11	H		0.083	19.18		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
1722.5		PI/2 BPSK	-18.14	15.09	10.23	2.07	H	< 1.00	0.211	23.25	1	131
		QPSK	-18.17	15.06	10.23	2.07	H		0.210	23.22		
		16-QAM	-19.23	14.00	10.23	2.07	H		0.165	22.16		
		64-QAM	-20.71	12.52	10.23	2.07	H		0.117	20.68		
		256-QAM	-22.68	10.55	10.23	2.07	H		0.074	18.71		
1745.0	Sub6 n66/ 25 MHz [15 kHz]	PI/2 BPSK	-17.47	15.67	10.43	2.08	H	< 1.00	0.252	24.02	1	131
		QPSK	-17.52	15.62	10.43	2.08	H		0.249	23.97		
		16-QAM	-18.52	14.62	10.43	2.08	H		0.198	22.97		
		64-QAM	-20.08	13.06	10.43	2.08	H		0.138	21.41		
		256-QAM	-22.08	11.06	10.43	2.08	H		0.087	19.41		
1767.5		PI/2 BPSK	-17.49	15.55	10.49	2.11	H	< 1.00	0.247	23.93	1	1
		QPSK	-17.50	15.54	10.49	2.11	H		0.247	23.92		
		16-QAM	-18.53	14.51	10.49	2.11	H		0.195	22.89		
		64-QAM	-20.05	12.99	10.49	2.11	H		0.137	21.37		
		256-QAM	-22.04	11.00	10.49	2.11	H		0.087	19.38		

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
1725.0		PI/2 BPSK	-17.98	15.25	10.23	2.07	H	< 1.00	0.219	23.41	1	158
		QPSK	-18.01	15.22	10.23	2.07	H		0.218	23.38		
		16-QAM	-19.05	14.18	10.23	2.07	H		0.171	22.34		
		64-QAM	-20.57	12.66	10.23	2.07	H		0.121	20.82		
		256-QAM	-22.52	10.71	10.23	2.07	H		0.077	18.87		
1745.0	Sub6 n66/ 30 MHz [15 kHz]	PI/2 BPSK	-17.62	15.52	10.43	2.08	H	< 1.00	0.244	23.87	1	80
		QPSK	-17.69	15.45	10.43	2.08	H		0.240	23.80		
		16-QAM	-18.73	14.41	10.43	2.08	H		0.189	22.76		
		64-QAM	-20.13	13.01	10.43	2.08	H		0.137	21.36		
		256-QAM	-22.12	11.02	10.43	2.08	H		0.086	19.37		
1765.0		PI/2 BPSK	-17.55	15.54	10.48	2.10	H	< 1.00	0.247	23.92	1	1
		QPSK	-17.58	15.51	10.48	2.10	H		0.245	23.89		
		16-QAM	-18.60	14.49	10.48	2.10	H		0.194	22.87		
		64-QAM	-20.16	12.93	10.48	2.10	H		0.135	21.31		
		256-QAM	-22.16	10.93	10.48	2.10	H		0.085	19.31		

Freq (MHz)	Mod/ Bandwidth [SCS (kHz)]	Modulation	Measured Level (dBm)	Substitute Level (dBm)	Ant. Gain (dBi)	C.L	Pol	Limit	EIRP		RB	
								W	W	dBm	Size	Offset
1730.0		PI/2 BPSK	-17.60	15.65	10.29	2.07	H	< 1.00	0.244	23.87	1	214
		QPSK	-17.66	15.59	10.29	2.07	H		0.240	23.81		
		16-QAM	-18.71	14.54	10.29	2.07	H		0.189	22.76		
		64-QAM	-20.18	13.07	10.29	2.07	H		0.135	21.29		
		256-QAM	-22.14	11.11	10.29	2.07	H		0.086	19.33		
1745.0	Sub6 n66/ 40 MHz [15 kHz]	PI/2 BPSK	-17.60	15.54	10.43	2.08	H		0.245	23.89	1	108
		QPSK	-17.68	15.46	10.43	2.08	H		0.240	23.81		
		16-QAM	-18.71	14.43	10.43	2.08	H		0.190	22.78		
		64-QAM	-20.11	13.03	10.43	2.08	H		0.137	21.38		
		256-QAM	-22.06	11.08	10.43	2.08	H		0.088	19.43		
1760.0		PI/2 BPSK	-17.55	15.59	10.48	2.09	H		0.250	23.98	1	108
		QPSK	-17.57	15.57	10.48	2.09	H		0.249	23.96		
		16-QAM	-18.61	14.53	10.48	2.09	H		0.196	22.92		
		64-QAM	-20.07	13.07	10.48	2.09	H		0.140	21.46		
		256-QAM	-22.13	11.01	10.48	2.09	H		0.087	19.40		

9.2 RADIATED SPURIOUS EMISSIONS

■ NR Band:	<u>N66</u>
■ Bandwidth:	<u>25 MHz</u>
■ Modulation:	<u>PI/2 BPSK</u>
■ Distance:	<u>3 meters</u>
■ SCS:	<u>15 kHz</u>

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
344500 (1722.5)	3 445.00	-60.49	11.90	-60.81	3.02	V	-51.93	-13.00	1	131
	5 167.50	-60.84	11.56	-54.40	3.80	V	-46.64	-13.00		
	6 890.00	-63.51	11.13	-50.49	4.53	V	-43.89	-13.00		
349000 (1745.0)	3 490.00	-59.63	12.04	-60.14	3.06	V	-51.16	-13.00	1	131
	5 235.00	-61.61	11.76	-55.23	3.86	V	-47.33	-13.00		
	6 980.00	-63.54	11.16	-49.85	4.55	V	-43.24	-13.00		
353500 (1767.5)	3 535.00	-59.84	12.04	-60.80	3.09	V	-51.85	-13.00	1	1
	5 302.50	-61.61	11.90	-55.10	3.88	V	-47.08	-13.00		
	7 070.00	-63.87	10.92	-49.08	4.58	V	-42.74	-13.00		

9.3 PEAK-TO-AVERAGE RATIO

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (dB)	Limit (dB)
Sub6 n66	5 MHz	1745.0	PI/2 BPSK	25	0	4.18	13.00
			QPSK			5.40	
			16-QAM			5.98	
			64-QAM			6.35	
			256-QAM			6.74	
	10 MHz		PI/2 BPSK	50		4.20	
			QPSK			5.34	
			16-QAM			5.98	
			64-QAM			6.30	
			256-QAM			6.52	
	15 MHz		PI/2 BPSK	75		4.26	
			QPSK			5.27	
			16-QAM			6.01	
			64-QAM			6.26	
			256-QAM			6.48	
	20 MHz		PI/2 BPSK	100		5.46	
			QPSK			5.77	
			16-QAM			6.23	
			64-QAM			6.37	
			256-QAM			6.62	
	25 MHz		PI/2 BPSK	128		4.35	
			QPSK			5.50	
			16-QAM			6.16	
			64-QAM			6.36	
			256-QAM			6.63	
	30 MHz		PI/2 BPSK	160		5.12	
			QPSK			5.54	
			16-QAM			6.12	
			64-QAM			6.36	
			256-QAM			6.69	
	40 MHz		PI/2 BPSK	216		4.91	
			QPSK			5.51	
			16-QAM			6.18	
			64-QAM			6.35	
			256-QAM			6.60	

Note:

1. Plots of the EUT's Peak- to- Average Ratio are shown Page 217 ~ 251.

9.4 OCCUPIED BANDWIDTH

Band	Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (MHz)
Sub6 n66	5 MHz	1745.0	PI/2 BPSK	25	0	4.5020
			QPSK			4.5485
			16-QAM			4.4953
			64-QAM			4.4934
			256-QAM			4.5177
	10 MHz		PI/2 BPSK	50		8.9981
			QPSK			8.9970
			16-QAM			8.9670
			64-QAM			8.9913
			256-QAM			9.0432
	15 MHz		PI/2 BPSK	75		13.518
			QPSK			13.521
			16-QAM			13.411
			64-QAM			13.441
			256-QAM			13.412
	20 MHz		PI/2 BPSK	100		17.899
			QPSK			17.863
			16-QAM			17.892
			64-QAM			17.883
			256-QAM			17.950
	25 MHz		PI/2 BPSK	128		23.022
			QPSK			23.037
			16-QAM			22.902
			64-QAM			22.924
			256-QAM			22.983
	30 MHz		PI/2 BPSK	160		28.716
			QPSK			28.685
			16-QAM			28.670
			64-QAM			28.697
			256-QAM			28.692
	40 MHz		PI/2 BPSK	216		38.804
			QPSK			38.734
			16-QAM			38.725
			64-QAM			38.717
			256-QAM			38.685

Note:

1. Plots of the EUT's Occupied Bandwidth are shown Page 252 ~ 286.

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 n66	5	1712.5	9.1226	29.116	-63.580	-34.464	-13.00
		1745.0	5.1845	29.116	-61.602	-32.486	
		1777.5	3.8086	28.533	-62.948	-34.415	
	10	1715.0	5.2044	29.116	-63.214	-34.098	
		1745.0	9.1725	29.116	-62.637	-33.521	
		1775.0	3.7488	28.533	-63.444	-34.911	
	15	1717.5	8.6042	29.116	-63.646	-34.530	
		1745.0	3.7688	28.533	-62.118	-33.585	
		1772.5	4.0280	28.533	-63.253	-34.720	
	20	1720.0	5.9921	29.116	-63.171	-34.055	
		1745.0	3.7987	28.533	-62.910	-34.377	
		1770.0	9.9701	29.116	-63.423	-34.307	
	25	1722.5	4.8854	28.533	-62.967	-34.434	
		1745.0	9.1725	29.116	-63.067	-33.951	
		1767.5	3.7787	28.533	-63.060	-34.527	
	30	1725.0	5.2144	29.116	-62.746	-33.630	
		1745.0	9.7009	29.116	-63.482	-34.366	
		1765.0	6.2513	29.116	-61.727	-32.611	
	40	1730.0	9.1027	29.116	-63.491	-34.375	
		1745.0	5.9921	29.116	-62.023	-32.907	
		1760.0	9.1625	29.116	-63.504	-34.388	

Note:

1. Plots of the EUT's Conducted Spurious Emissions are shown Page 287 ~ 328.
2. Result (dBm) = Measurement Maximum Data (dBm) + Factor (dB)
3. Factor(dB) = Cable Loss + Ext. Attenuator + Power Splitter

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

9.6 BAND EDGE

- Plots of the EUT's Band Edge are shown Page 329 ~ 370.

9.7 FREQUENCY STABILITY / VARIATION OF AMBIENT TEMPERATURE

- BandWidth: 5 MHz
- Voltage(100 %): 3.900 VDC
- Batt. Endpoint: 3.400 VDC
- LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	Error (Hz)	(%)	
1712.5	100 %	+20(Ref)	1712 499 998	0.0	0.000 000	0.000
	100 %	-30	1712 499 997	-1.2	0.000 000	-0.001
	100 %	-20	1712 499 997	-1.7	0.000 000	-0.001
	100 %	-10	1712 499 997	-1.4	0.000 000	-0.001
	100 %	0	1712 499 998	-0.7	0.000 000	0.000
	100 %	+10	1712 499 998	0.1	0.000 000	0.000
	100 %	+30	1712 499 998	0.2	0.000 000	0.000
	100 %	+40	1712 499 998	-0.7	0.000 000	0.000
	100 %	+50	1712 499 997	-1.6	0.000 000	-0.001
	Batt. Endpoint	+20	1712 499 996	-2.6	0.000 000	-0.002
1777.5	100 %	+20(Ref)	1777 500 001	0.0	0.000 000	0.000
	100 %	-30	1777 500 001	-0.4	0.000 000	0.000
	100 %	-20	1777 499 999	-2.2	0.000 000	-0.001
	100 %	-10	1777 499 997	-4.9	0.000 000	-0.003
	100 %	0	1777 499 999	-2.2	0.000 000	-0.001
	100 %	+10	1777 500 001	-0.1	0.000 000	0.000
	100 %	+30	1777 499 998	-3.1	0.000 000	-0.002
	100 %	+40	1777 500 001	-0.5	0.000 000	0.000
	100 %	+50	1777 499 997	-4.4	0.000 000	-0.002
	Batt. Endpoint	+20	1777 499 999	-2.3	0.000 000	-0.001

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

Test. Frequency	Voltage	Temp.	Frequency	Frequency	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	Error (Hz)	(%)	
1715.0	100 %	+20(Ref)	1715 000 000	0.0	0.000 000	0.000
	100 %	-30	1715 000 001	0.5	0.000 000	0.000
	100 %	-20	1715 000 002	1.4	0.000 000	0.001
	100 %	-10	1715 000 003	2.0	0.000 000	0.001
	100 %	0	1715 000 000	0.0	0.000 000	0.000
	100 %	+10	1715 000 000	0.0	0.000 000	0.000
	100 %	+30	1715 000 004	3.5	0.000 000	0.002
	100 %	+40	1715 000 002	1.6	0.000 000	0.001
	100 %	+50	1715 000 000	-0.4	0.000 000	0.000
	Batt. Endpoint	+20	1715 000 000	-0.6	0.000 000	0.000
1775.0	100 %	+20(Ref)	1775 000 001	0.0	0.000 000	0.000
	100 %	-30	1775 000 000	-0.9	0.000 000	-0.001
	100 %	-20	1775 000 001	0.2	0.000 000	0.000
	100 %	-10	1775 000 000	-1.3	0.000 000	-0.001
	100 %	0	1775 000 001	0.0	0.000 000	0.000
	100 %	+10	1775 000 002	1.0	0.000 000	0.001
	100 %	+30	1775 000 001	-0.1	0.000 000	0.000
	100 %	+40	1774 999 999	-1.5	0.000 000	-0.001
	100 %	+50	1775 000 002	1.4	0.000 000	0.001
	Batt. Endpoint	+20	1775 000 001	0.0	0.000 000	0.000

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

Test. Frequency	Voltage	Temp.	Frequency	Frequency	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	Error (Hz)	(%)	
1717.5	100 %	+20(Ref)	1717 499 998	0.0	0.000 000	0.000
	100 %	-30	1717 499 997	-0.9	0.000 000	0.000
	100 %	-20	1717 499 998	-0.2	0.000 000	0.000
	100 %	-10	1717 499 998	-0.4	0.000 000	0.000
	100 %	0	1717 499 996	-1.6	0.000 000	-0.001
	100 %	+10	1717 500 000	1.5	0.000 000	0.001
	100 %	+30	1717 499 998	0.0	0.000 000	0.000
	100 %	+40	1717 499 998	0.1	0.000 000	0.000
	100 %	+50	1717 500 000	1.5	0.000 000	0.001
	Batt. Endpoint	+20	1717 499 996	-2.0	0.000 000	-0.001
1772.5	100 %	+20(Ref)	1772 500 003	0.0	0.000 000	0.000
	100 %	-30	1772 500 014	11.7	0.000 001	0.007
	100 %	-20	1772 500 014	11.5	0.000 001	0.007
	100 %	-10	1772 500 006	3.7	0.000 000	0.002
	100 %	0	1772 500 009	6.5	0.000 000	0.004
	100 %	+10	1772 499 998	-4.3	0.000 000	-0.002
	100 %	+30	1772 500 005	2.2	0.000 000	0.001
	100 %	+40	1772 499 998	-4.8	0.000 000	-0.003
	100 %	+50	1772 500 007	4.7	0.000 000	0.003
	Batt. Endpoint	+20	1772 500 007	4.1	0.000 000	0.002

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

Test. Frequency	Voltage	Temp.	Frequency	Frequency	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	Error (Hz)	(%)	
1720.0	100 %	+20(Ref)	1719 999 999	0.0	0.000 000	0.000
	100 %	-30	1719 999 998	-1.0	0.000 000	-0.001
	100 %	-20	1719 999 998	-0.9	0.000 000	-0.001
	100 %	-10	1719 999 998	-0.3	0.000 000	0.000
	100 %	0	1719 999 997	-1.4	0.000 000	-0.001
	100 %	+10	1719 999 999	0.1	0.000 000	0.000
	100 %	+30	1719 999 998	-0.9	0.000 000	-0.001
	100 %	+40	1719 999 997	-2.2	0.000 000	-0.001
	100 %	+50	1719 999 999	0.5	0.000 000	0.000
	Batt. Endpoint	+20	1719 999 998	-0.9	0.000 000	-0.001
1770.0	100 %	+20(Ref)	1769 999 999	0.0	0.000 000	0.000
	100 %	-30	1769 999 998	-1.1	0.000 000	-0.001
	100 %	-20	1769 999 999	0.1	0.000 000	0.000
	100 %	-10	1769 999 997	-2.3	0.000 000	-0.001
	100 %	0	1770 000 000	0.5	0.000 000	0.000
	100 %	+10	1769 999 997	-2.3	0.000 000	-0.001
	100 %	+30	1769 999 999	-0.5	0.000 000	0.000
	100 %	+40	1769 999 997	-2.2	0.000 000	-0.001
	100 %	+50	1769 999 999	-0.3	0.000 000	0.000
	Batt. Endpoint	+20	1769 999 999	0.0	0.000 000	0.000

- BandWidth: 25 MHz
- Voltage(100 %): 3.900 VDC
- Batt. Endpoint: 3.400 VDC
- LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	Error (Hz)	(%)	
1722.5	100 %	+20(Ref)	1722 499 998	0.0	0.000 000	0.000
	100 %	-30	1722 499 995	-2.5	0.000 000	-0.001
	100 %	-20	1722 499 995	-2.4	0.000 000	-0.001
	100 %	-10	1722 499 995	-3.3	0.000 000	-0.002
	100 %	0	1722 499 995	-3.0	0.000 000	-0.002
	100 %	+10	1722 499 995	-3.1	0.000 000	-0.002
	100 %	+30	1722 499 996	-2.0	0.000 000	-0.001
	100 %	+40	1722 499 994	-4.2	0.000 000	-0.002
	100 %	+50	1722 499 996	-2.1	0.000 000	-0.001
	Batt. Endpoint	+20	1722 499 996	-1.8	0.000 000	-0.001
1767.5	100 %	+20(Ref)	1767 500 003	0.0	0.000 000	0.000
	100 %	-30	1767 500 004	1.1	0.000 000	0.001
	100 %	-20	1767 500 003	0.3	0.000 000	0.000
	100 %	-10	1767 500 004	1.4	0.000 000	0.001
	100 %	0	1767 500 004	1.7	0.000 000	0.001
	100 %	+10	1767 500 002	-1.0	0.000 000	-0.001
	100 %	+30	1767 500 003	0.3	0.000 000	0.000
	100 %	+40	1767 500 004	1.6	0.000 000	0.001
	100 %	+50	1767 500 005	2.1	0.000 000	0.001
	Batt. Endpoint	+20	1767 500 002	-0.3	0.000 000	0.000

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

Test. Frequency	Voltage	Temp.	Frequency	Frequency	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	Error (Hz)	(%)	
1725.0	100 %	+20(Ref)	1725 000 000	0.0	0.000 000	0.000
	100 %	-30	1725 000 000	-0.6	0.000 000	0.000
	100 %	-20	1725 000 001	1.0	0.000 000	0.001
	100 %	-10	1725 000 001	0.6	0.000 000	0.000
	100 %	0	1724 999 998	-2.5	0.000 000	-0.001
	100 %	+10	1725 000 002	1.5	0.000 000	0.001
	100 %	+30	1725 000 001	0.3	0.000 000	0.000
	100 %	+40	1725 000 028	27.7	0.000 002	0.016
	100 %	+50	1725 000 000	-0.4	0.000 000	0.000
	Batt. Endpoint	+20	1724 999 999	-1.8	0.000 000	-0.001
1765.0	100 %	+20(Ref)	1765 000 002	0.0	0.000 000	0.000
	100 %	-30	1765 000 005	2.5	0.000 000	0.001
	100 %	-20	1765 000 005	2.2	0.000 000	0.001
	100 %	-10	1765 000 006	3.2	0.000 000	0.002
	100 %	0	1765 000 005	2.7	0.000 000	0.002
	100 %	+10	1765 000 006	3.5	0.000 000	0.002
	100 %	+30	1765 000 003	0.4	0.000 000	0.000
	100 %	+40	1765 000 002	-0.7	0.000 000	0.000
	100 %	+50	1765 000 006	3.5	0.000 000	0.002
	Batt. Endpoint	+20	1765 000 002	-0.4	0.000 000	0.000

- BandWidth: 40 MHz
- Voltage(100 %): 3.900 VDC
- Batt. Endpoint: 3.400 VDC
- LIMIT: Emission must remain in band

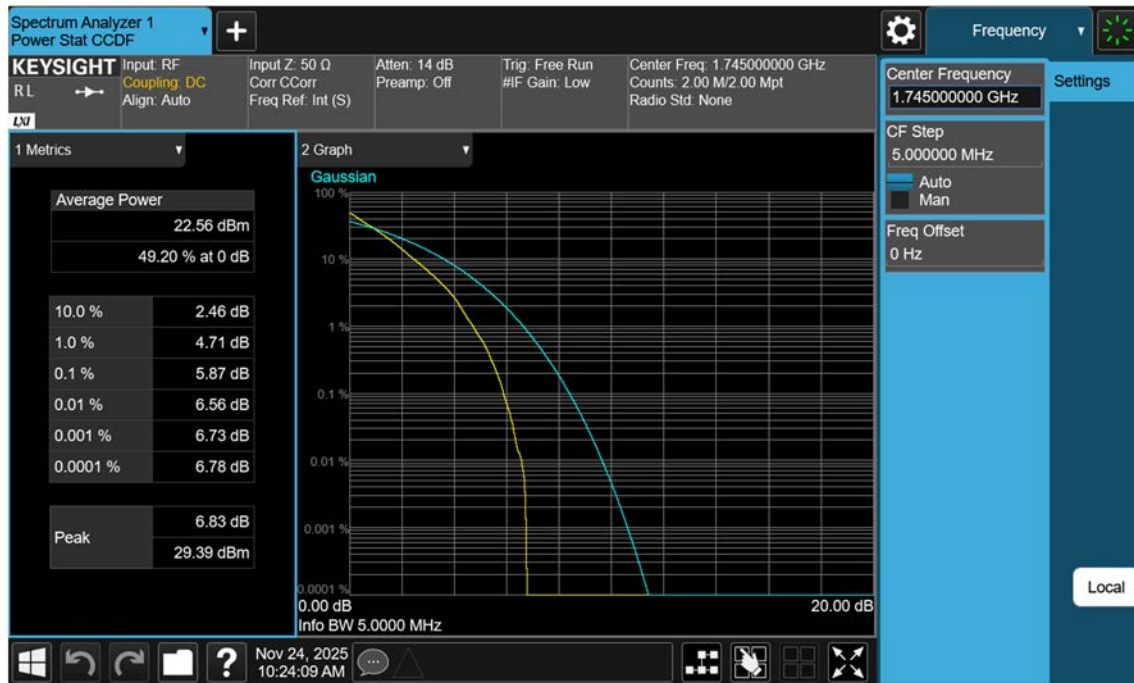
Test. Frequency	Voltage	Temp.	Frequency	Frequency	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	Error (Hz)	(%)	
1730.0	100 %	+20(Ref)	1730 000 001	0.0	0.000 000	0.000
	100 %	-30	1730 000 003	1.4	0.000 000	0.001
	100 %	-20	1730 000 003	1.3	0.000 000	0.001
	100 %	-10	1730 000 004	3.0	0.000 000	0.002
	100 %	0	1730 000 003	1.8	0.000 000	0.001
	100 %	+10	1730 000 002	0.6	0.000 000	0.000
	100 %	+30	1730 000 002	0.4	0.000 000	0.000
	100 %	+40	1730 000 003	1.4	0.000 000	0.001
	100 %	+50	1730 000 000	-1.4	0.000 000	-0.001
	Batt. Endpoint	+20	1730 000 001	-0.1	0.000 000	0.000
1760.0	100 %	+20(Ref)	1759 999 998	0.0	0.000 000	0.000
	100 %	-30	1759 999 994	-3.7	0.000 000	-0.002
	100 %	-20	1759 999 998	0.5	0.000 000	0.000
	100 %	-10	1759 999 996	-1.3	0.000 000	-0.001
	100 %	0	1759 999 997	-0.8	0.000 000	0.000
	100 %	+10	1759 999 995	-3.1	0.000 000	-0.002
	100 %	+30	1759 999 996	-1.9	0.000 000	-0.001
	100 %	+40	1759 999 994	-3.5	0.000 000	-0.002
	100 %	+50	1759 999 996	-1.9	0.000 000	-0.001
	Batt. Endpoint	+20	1759 999 997	-0.9	0.000 000	-0.001

10. TEST PLOTS(Ant B)

NR n66_5 M_PAR_Mid_PI/2 BPSK_FullRB



NR n66_5 M_PAR_Mid_QPSK_FullRB



NR n66_5 M_PAR_Mid_16QAM_FullRB



NR n66_5 M_PAR_Mid_64QAM_FullRB



NR n66_5 M_PAR_Mid_256QAM_FullRB



NR n66_10 M_PAR_Mid_PI/2 BPSK_FullRB



NR n66_10 M_PAR_Mid_QPSK_FullRB



NR n66_10 M_PAR_Mid_16QAM_FullRB



NR n66_10 M_PAR_Mid_64QAM_FullRB



NR n66_10 M_PAR_Mid_256QAM_FullRB



NR n66_15 M_PAR_Mid_PI/2 BPSK_FullRB



NR n66_15 M_PAR_Mid_QPSK_FullRB



NR n66_15 M_PAR_Mid_16QAM_FullRB



NR n66_15 M_PAR_Mid_64QAM_FullRB



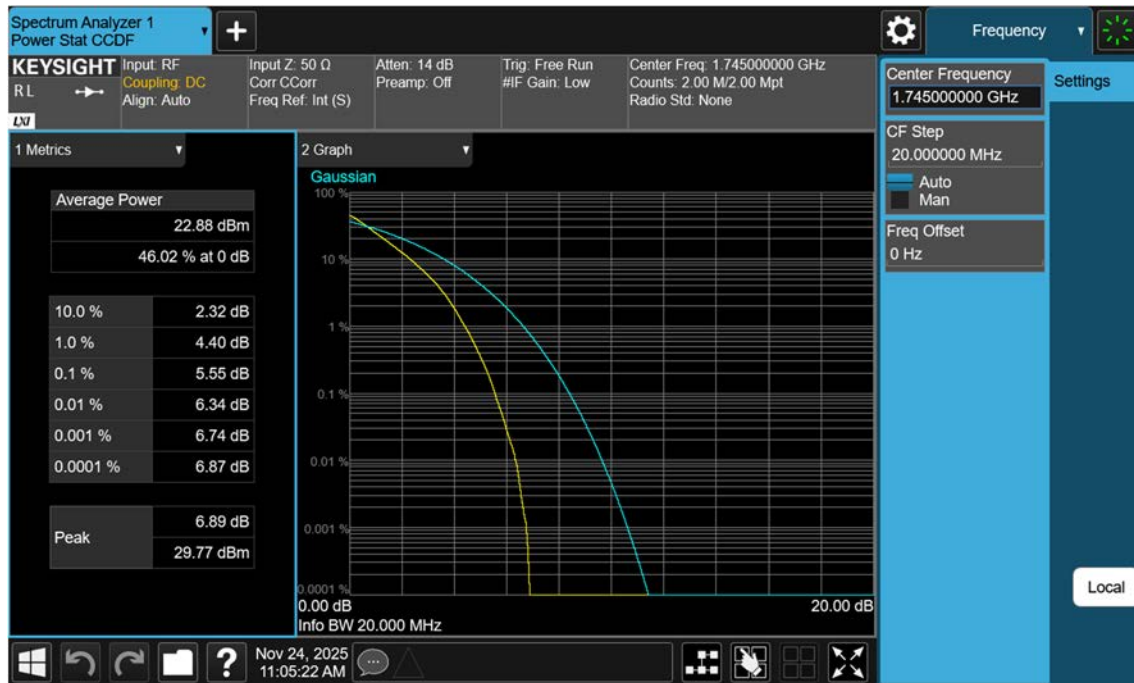
NR n66_15 M_PAR_Mid_256QAM_FullRB



NR n66_20 M_PAR_Mid_PI/2 BPSK_FullRB



NR n66_20 M_PAR_Mid_QPSK_FullRB



NR n66_20 M_PAR_Mid_16QAM_FullRB



NR n66_20 M_PAR_Mid_64QAM_FullRB



NR n66_20 M_PAR_Mid_256QAM_FullRB



NR n66_25 M_PAR_Mid_PI/2 BPSK_FullRB



NR n66_25 M_PAR_Mid_QPSK_FullRB



NR n66_25 M_PAR_Mid_16QAM_FullRB



NR n66_25 M_PAR_Mid_64QAM_FullRB



NR n66_25 M_PAR_Mid_256QAM_FullRB



NR n66_30 M_PAR_Mid_PI/2 BPSK_FullRB



NR n66_30 M_PAR_Mid_QPSK_FullRB



NR n66_30 M_PAR_Mid_16QAM_FullRB



NR n66_30 M_PAR_Mid_64QAM_FullRB



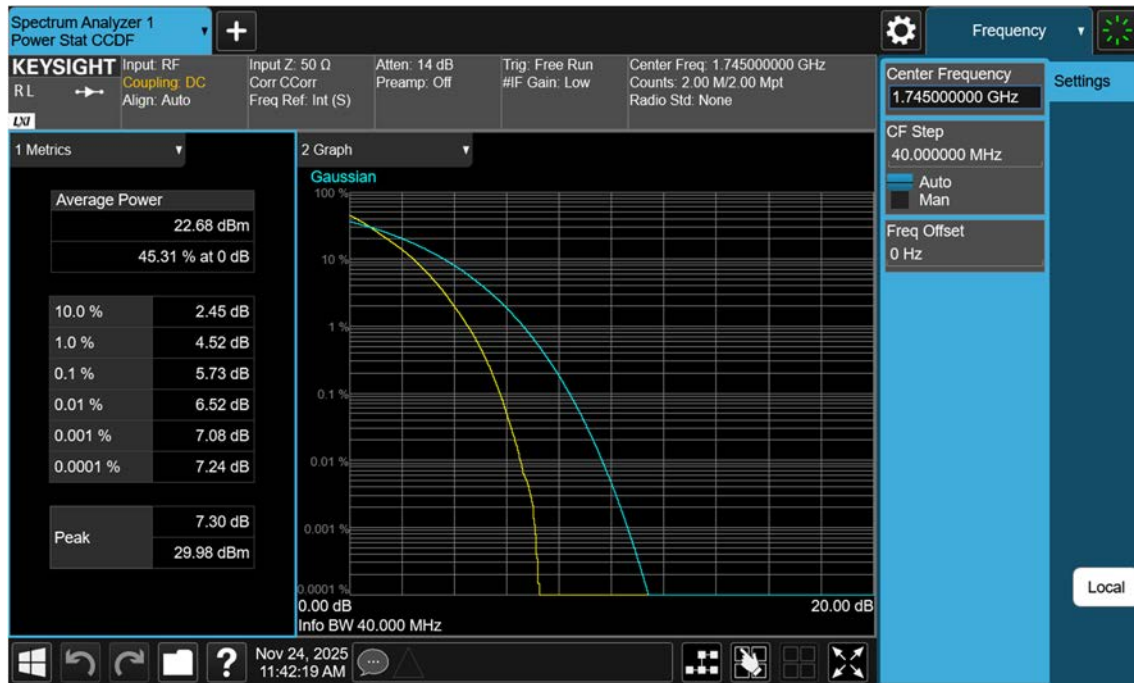
NR n66_30 M_PAR_Mid_256QAM_FullRB



NR n66_40 M_PAR_Mid_PI/2 BPSK_FullRB



NR n66_40 M_PAR_Mid_QPSK_FullRB



NR n66_40 M_PAR_Mid_16QAM_FullRB



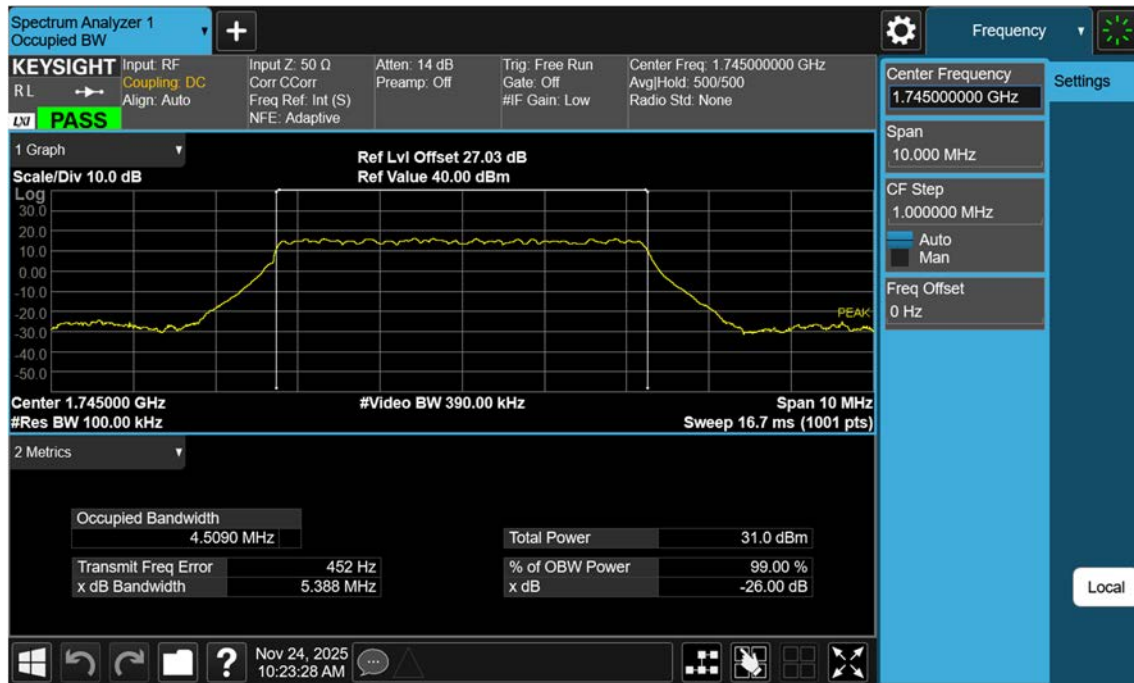
NR n66_40 M_PAR_Mid_64QAM_FullRB



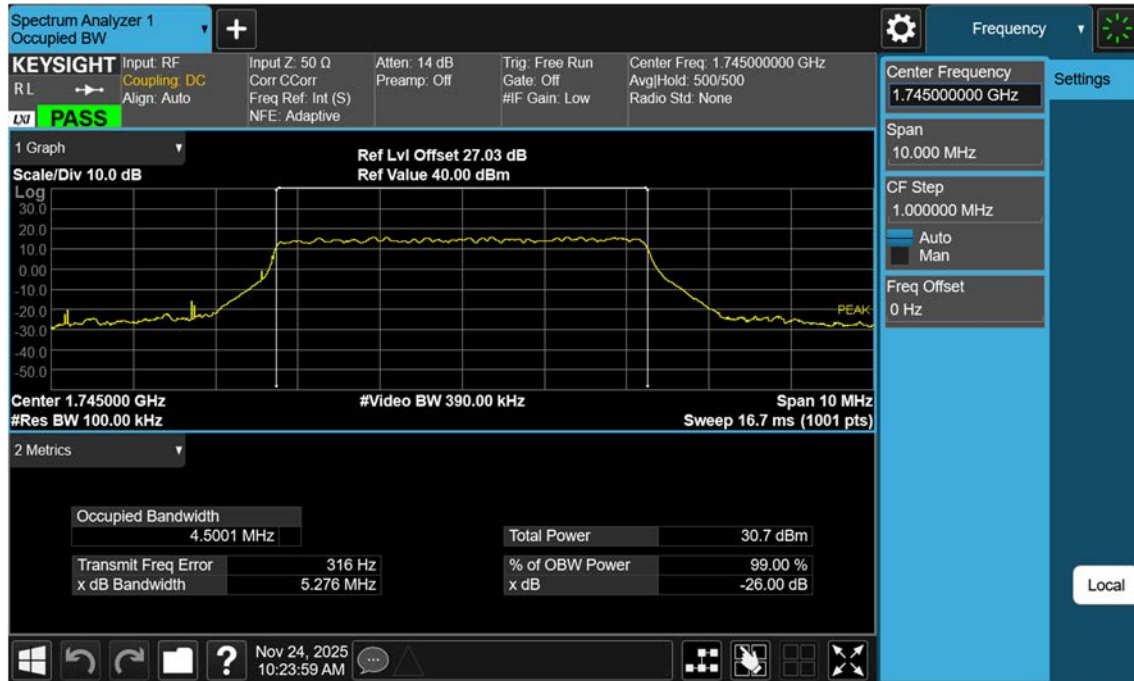
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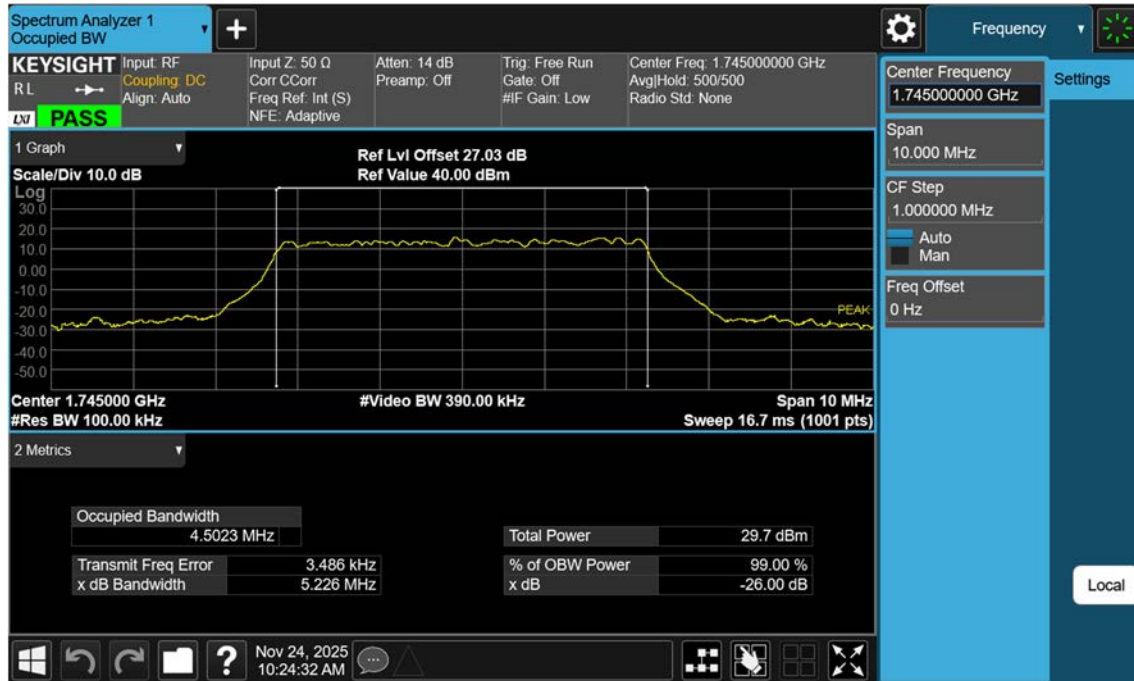
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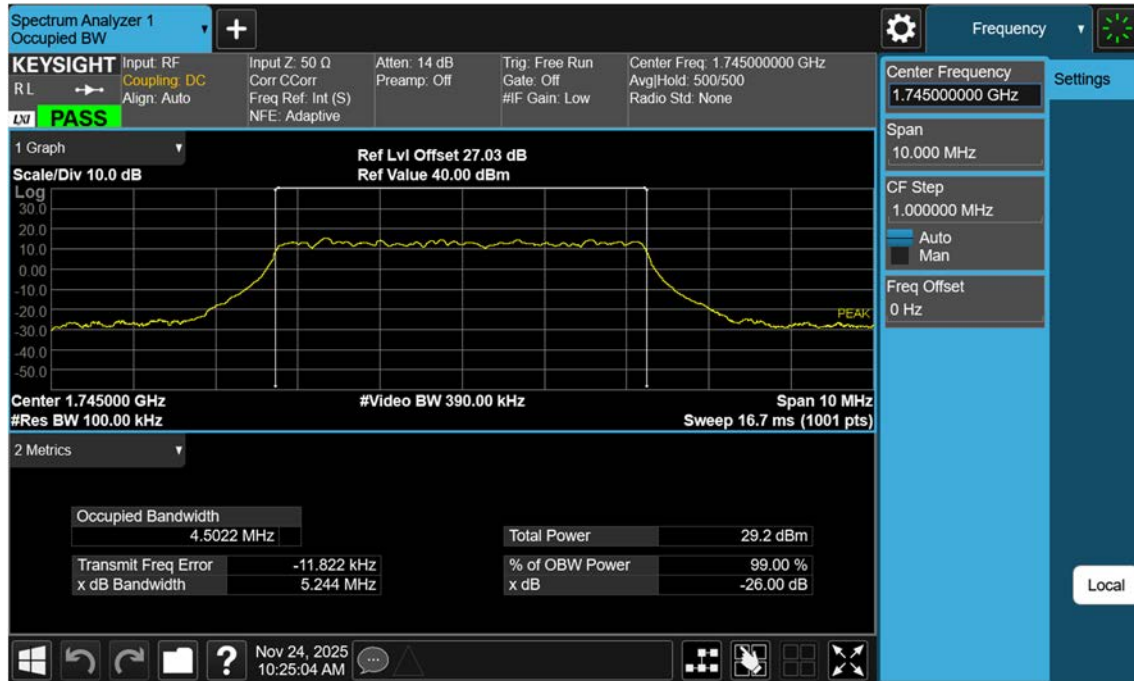
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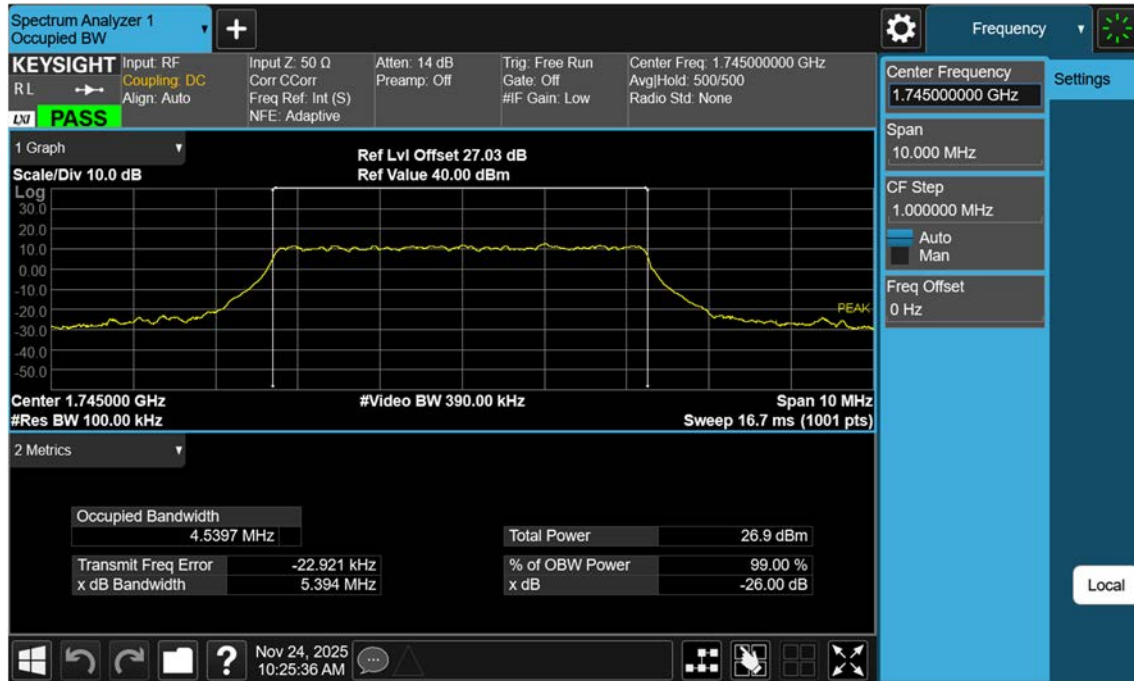
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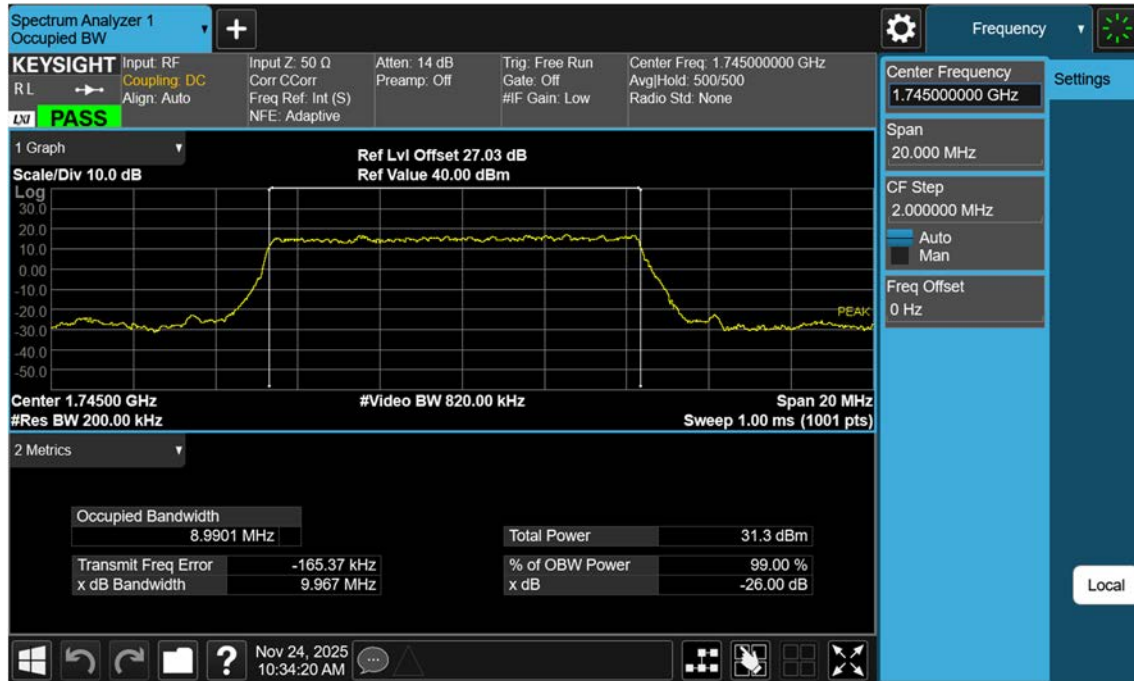
NR n66_5 M_OBW_Mid_64QAM_FullRB



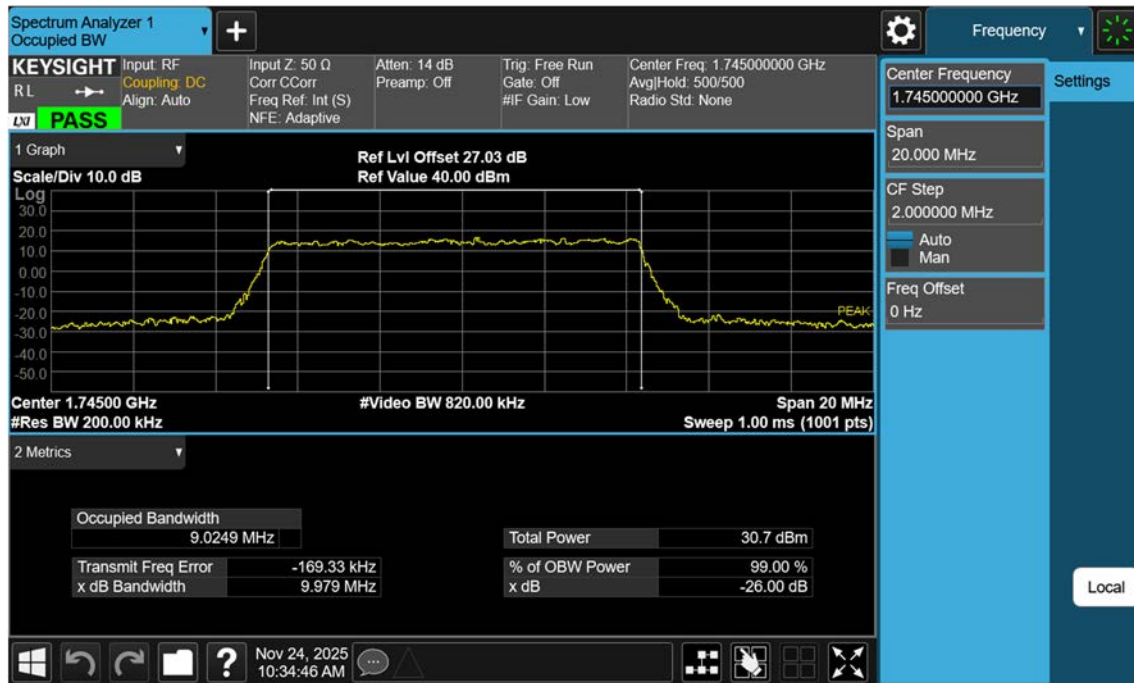
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NR n66_10 M_OBW_Mid_PI/2 BPSK_FullRB



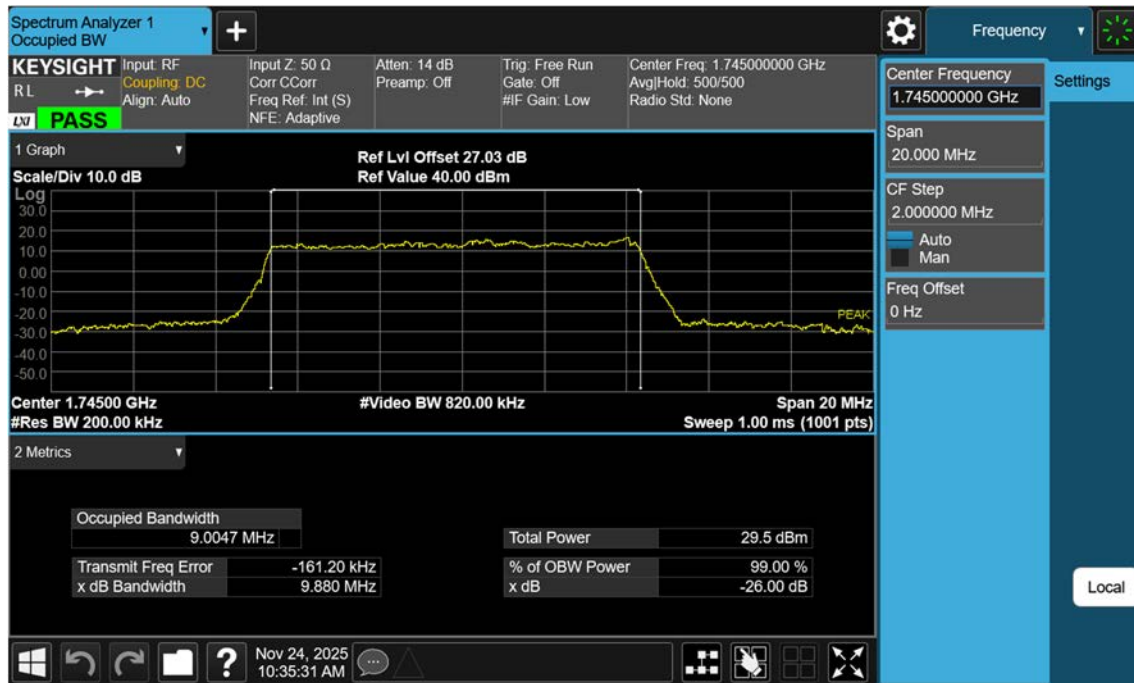
NR n66_10 M_OBW_Mid_QPSK_FullRB



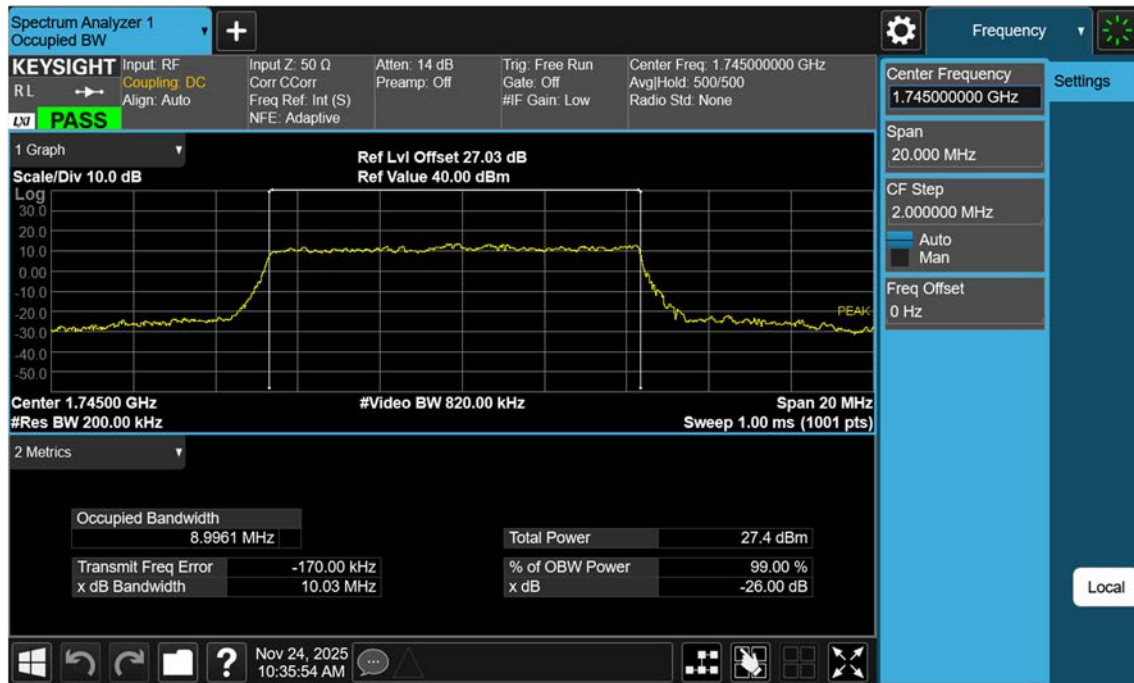
NR n66_10 M_OBW_Mid_16QAM_FullRB



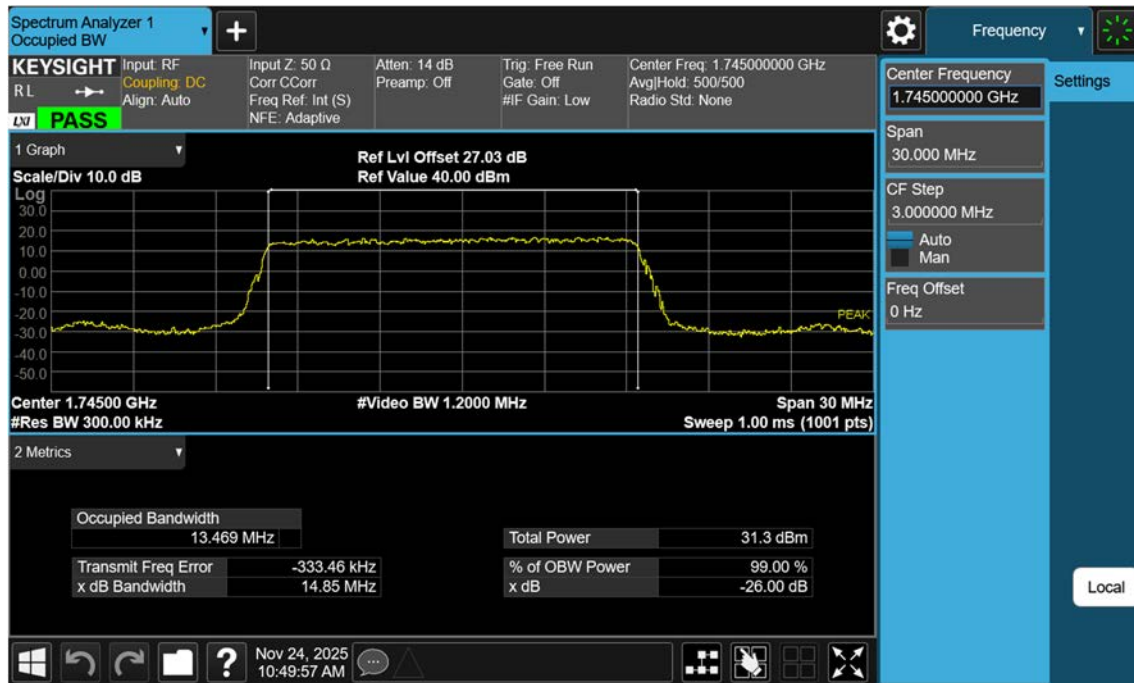
NR n66_10 M_OBW_Mid_64QAM_FullRB



NR n66_10 M_OBW_Mid_256QAM_FullRB



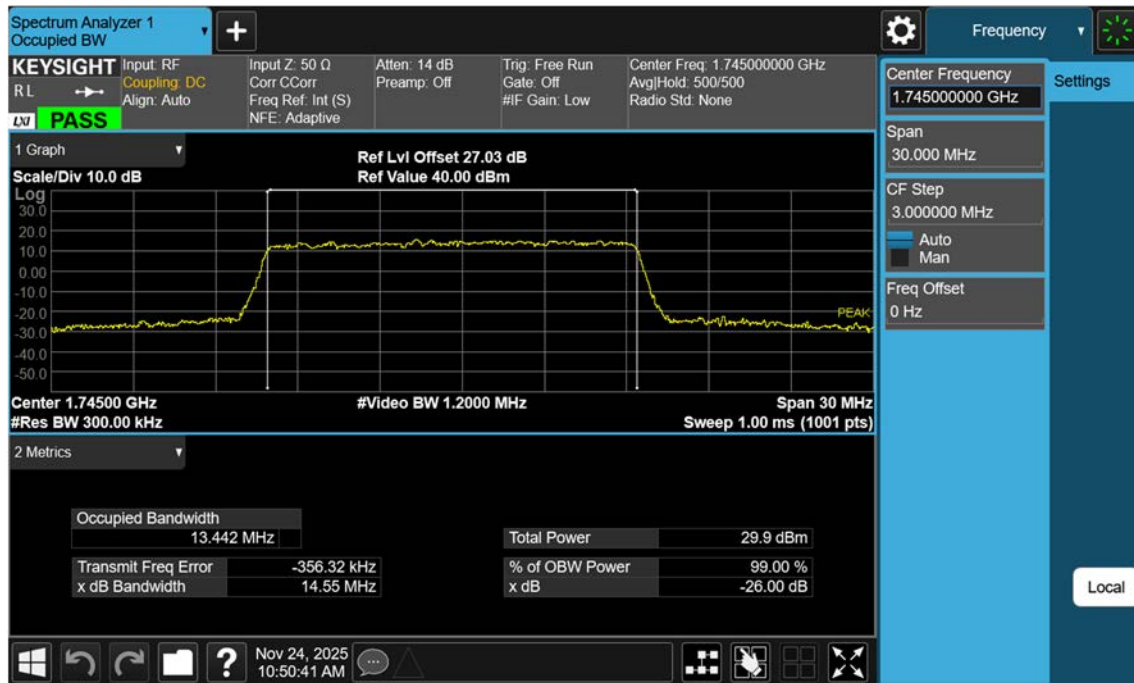
NR n66_15 M_OBW_Mid_PI/2 BPSK_FullRB



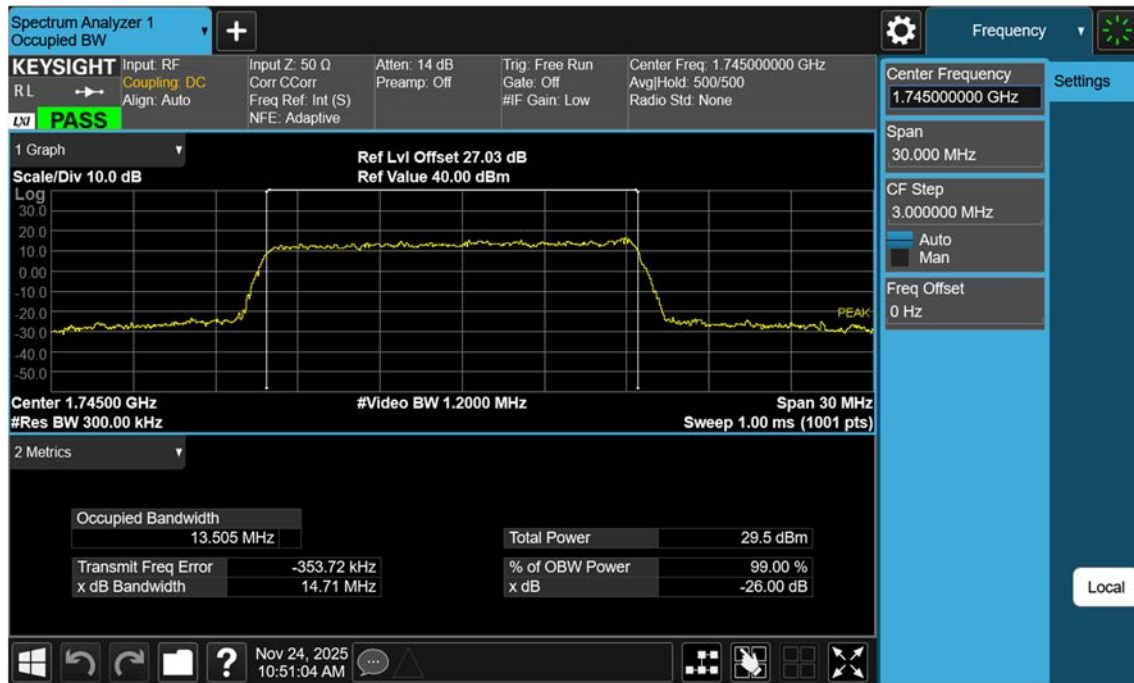
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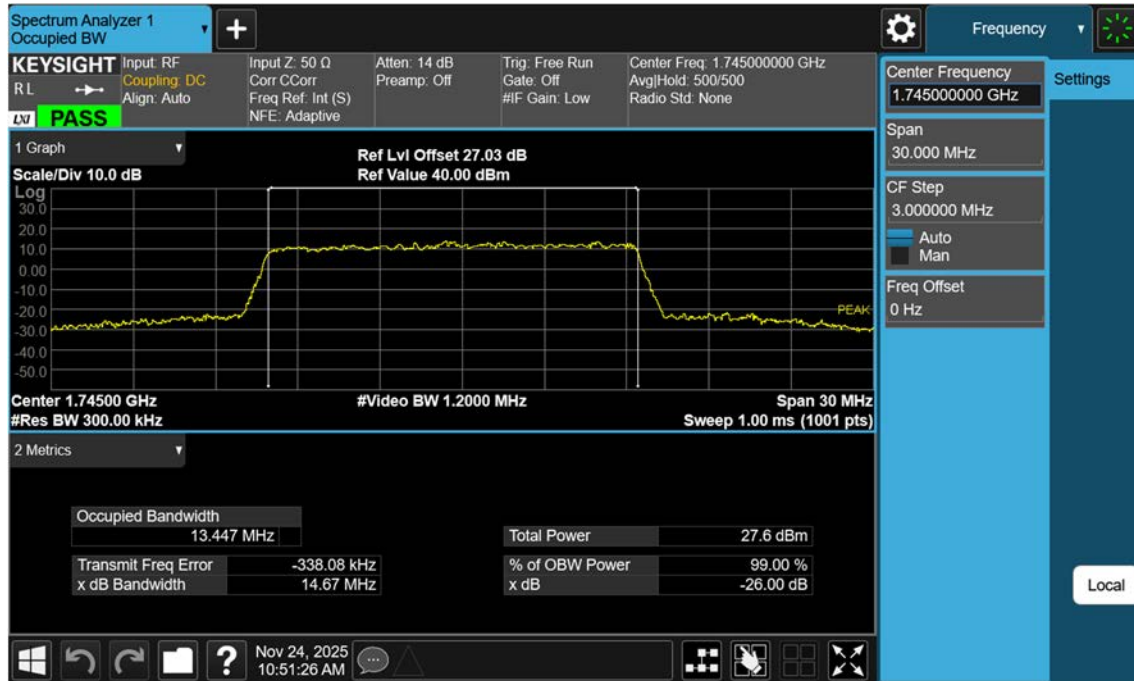
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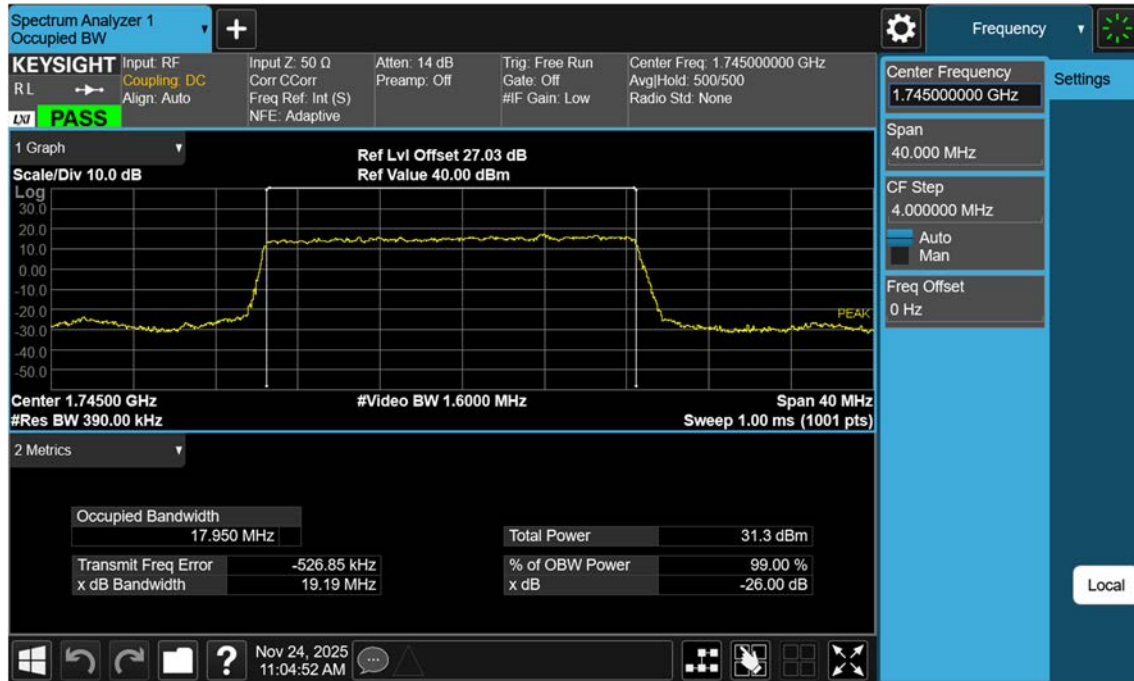
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NR n66_15 M_OBW_Mid_256QAM_FullRB



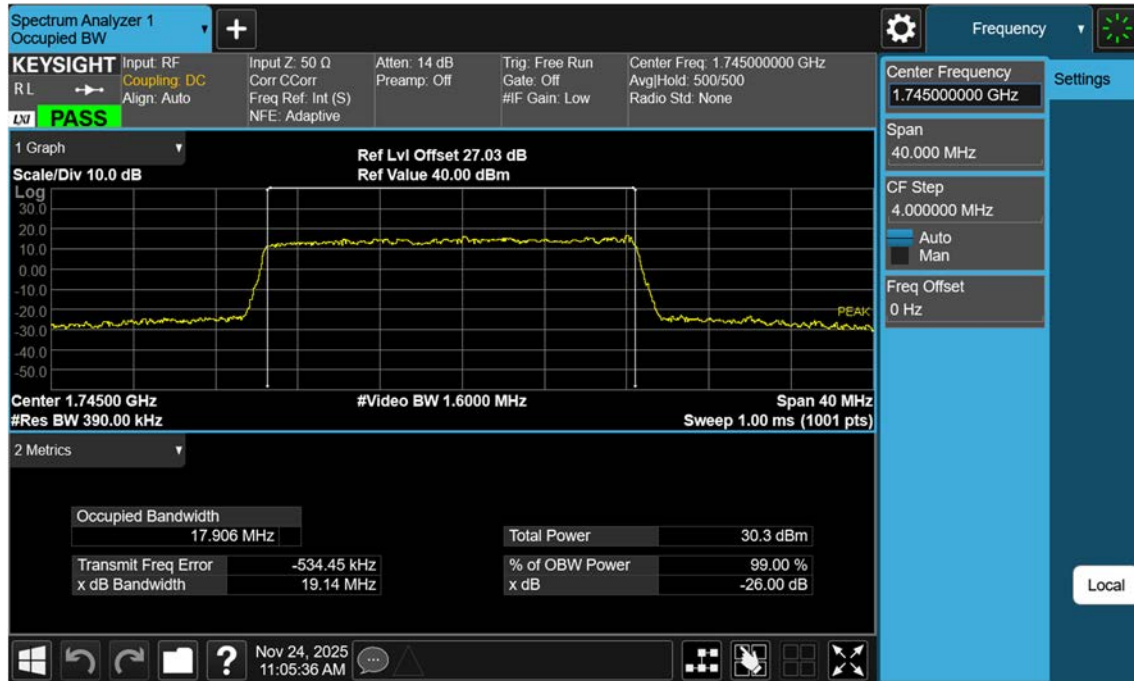
NR n66_20 M_OBW_Mid_PI/2 BPSK_FullRB



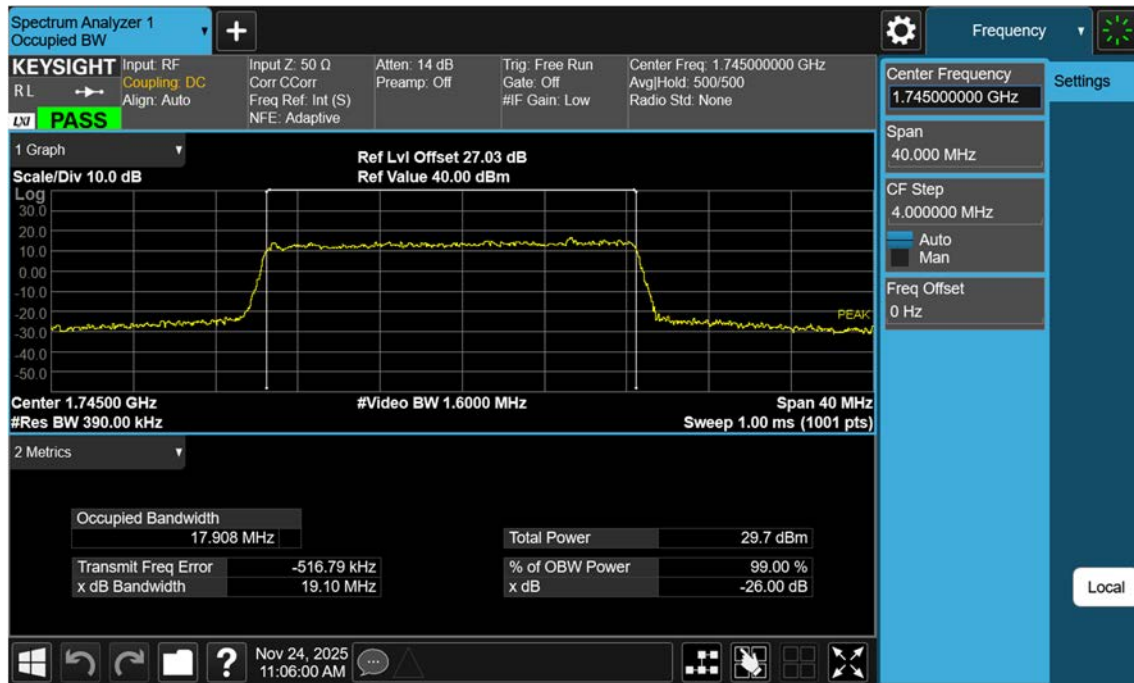
NR n66_20 M_OBW_Mid_QPSK_FullRB



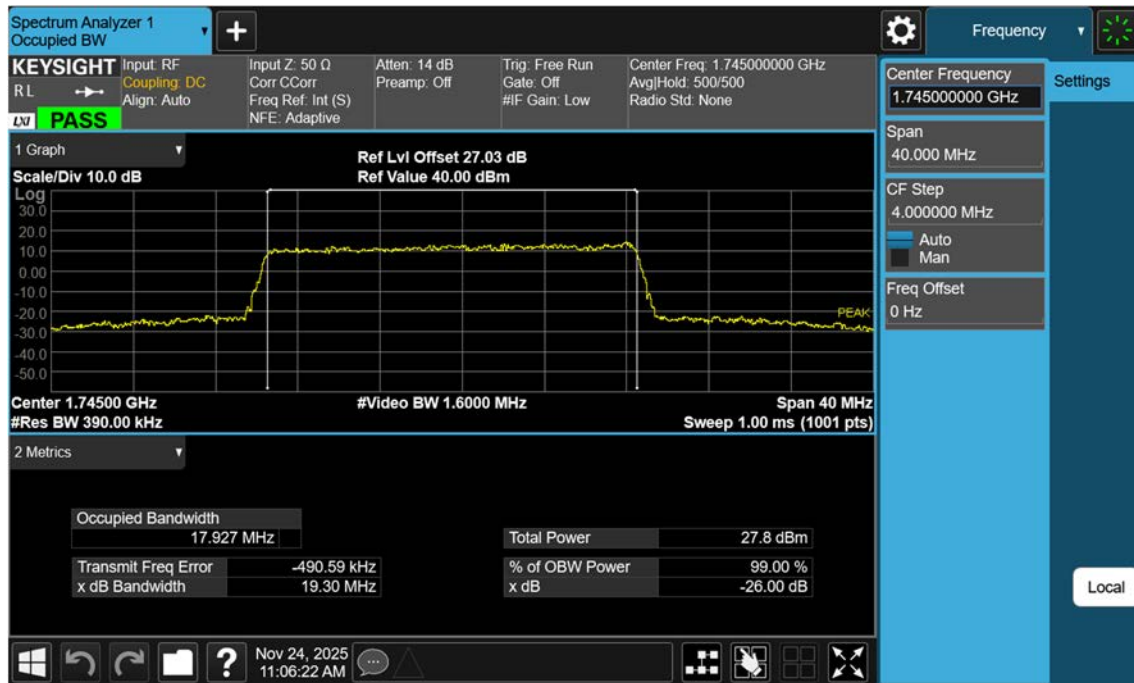
NR n66_20 M_OBW_Mid_16QAM_FullRB



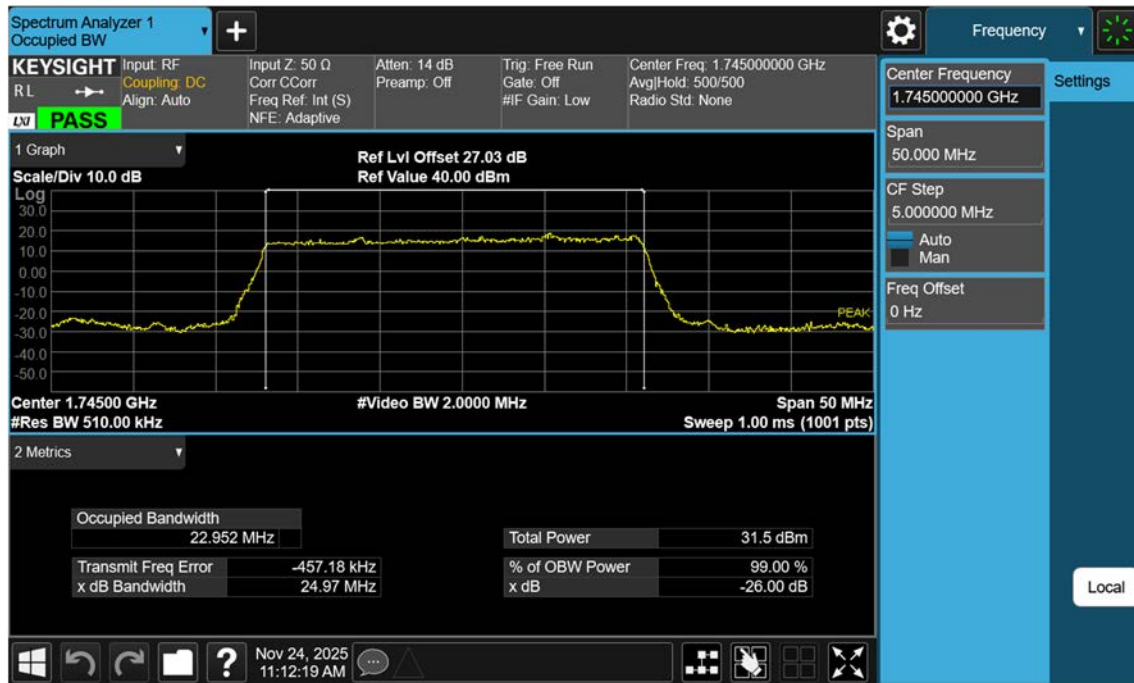
NR n66_20 M_OBW_Mid_64QAM_FullRB



NR n66_20 M_OBW_Mid_256QAM_FullRB



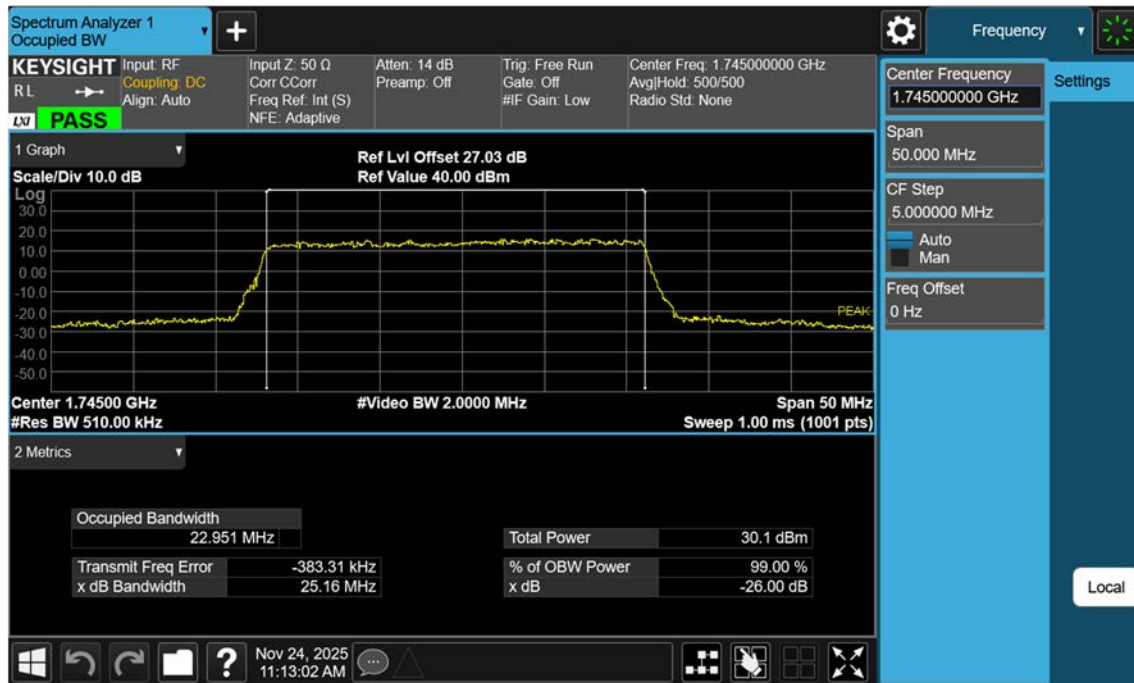
NR n66_25 M_OBW_Mid_PI/2 BPSK_FullRB



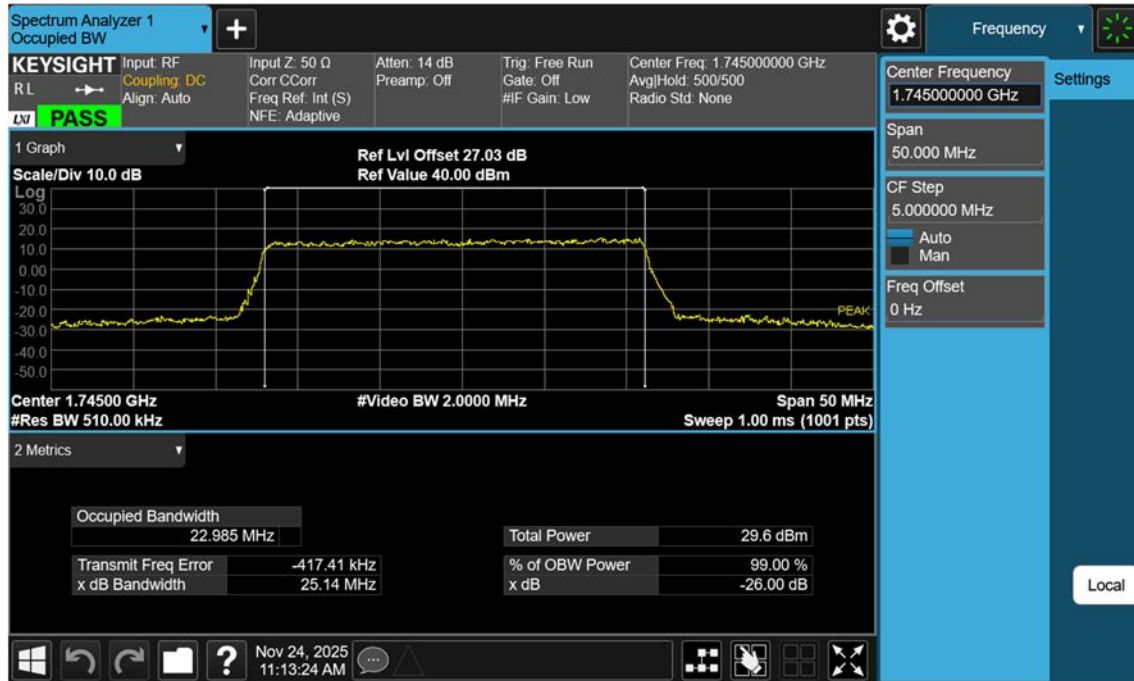
NR n66_25 M_OBW_Mid_QPSK_FullRB



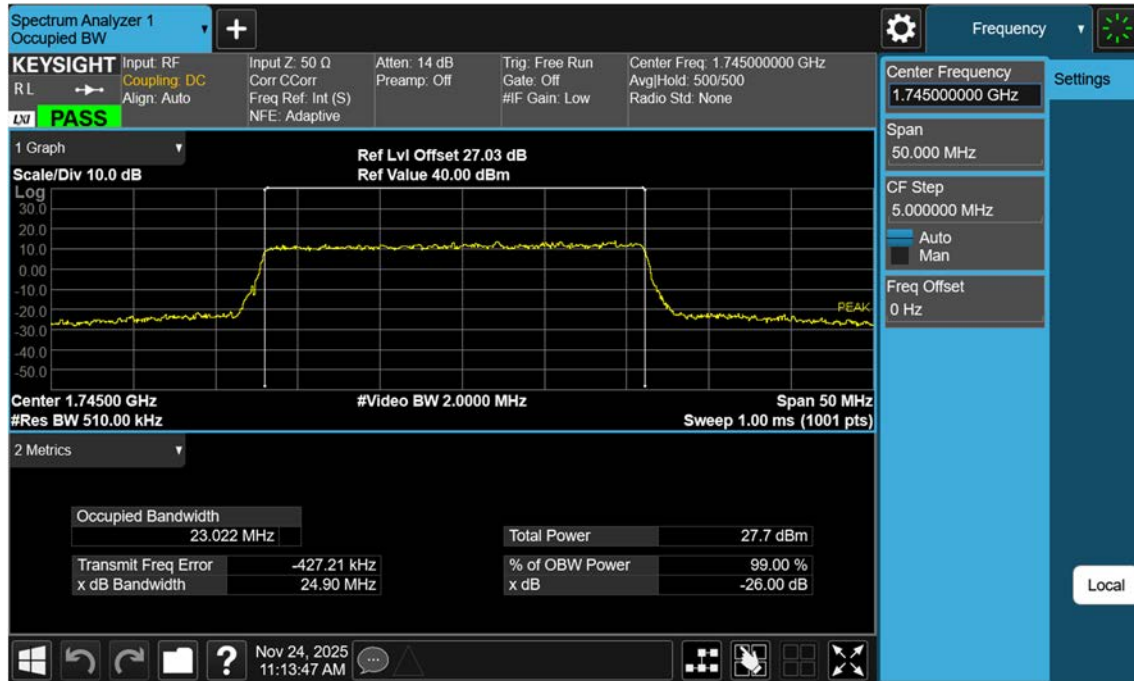
NR n66_25 M_OBW_Mid_16QAM_FullRB



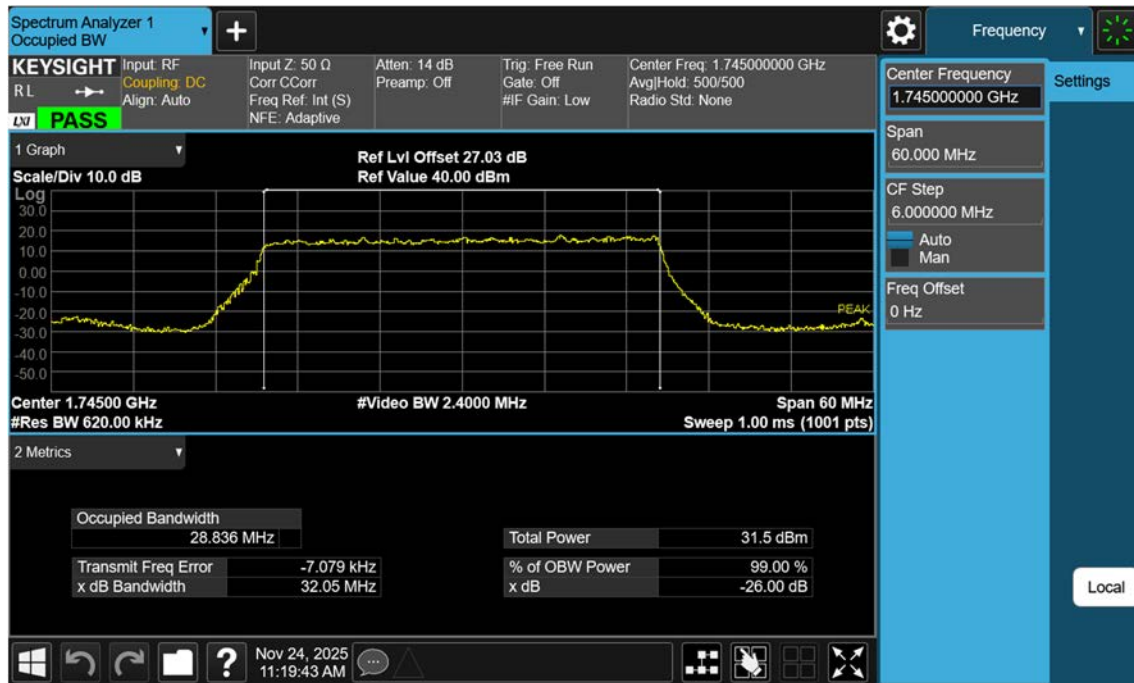
NR n66_25 M_OBW_Mid_64QAM_FullRB



NR n66_25 M_OBW_Mid_256QAM_FullRB



NR n66_30 M_OBW_Mid_PI/2 BPSK_FullRB



NR n66_30 M_OBW_Mid_QPSK_FullRB



NR n66_30 M_OBW_Mid_16QAM_FullRB



NR n66_30 M_OBW_Mid_64QAM_FullRB



NR n66_30 M_OBW_Mid_256QAM_FullRB



NR n66_40 M_OBW_Mid_PI/2 BPSK_FullRB



NR n66_40 M_OBW_Mid_QPSK_FullRB



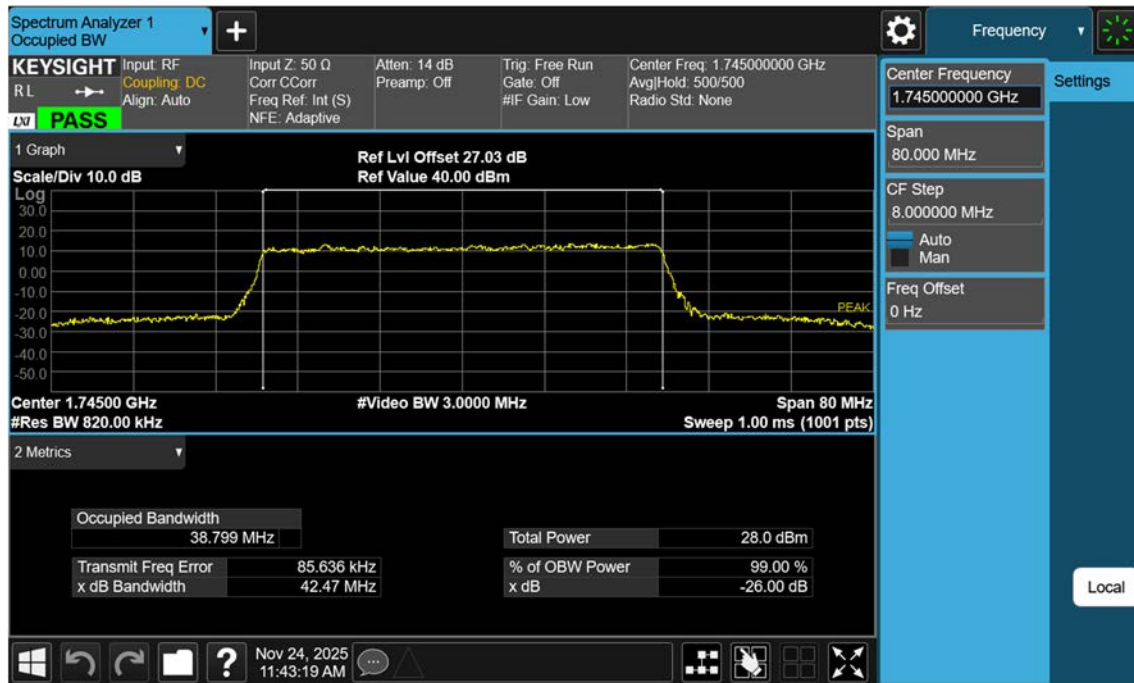
NR n66_40 M_OBW_Mid_16QAM_FullRB



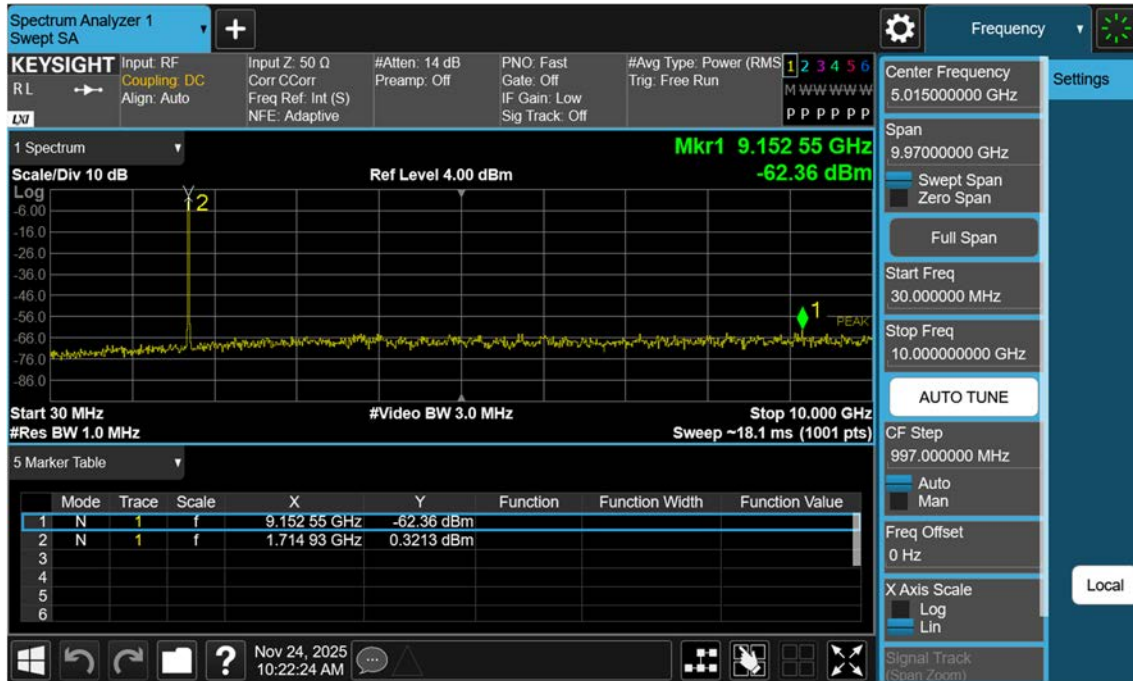
NR n66_40 M_OBW_Mid_64QAM_FullRB



NR n66_40 M_OBW_Mid_256QAM_FullRB



NR n66_5 M_Conducted Spurious Emissions(30 M-10 G)_Low_PI/2 BPSK_1RB



NR n66_5 M_Conducted Spurious Emissions(30 M-10 G)_Mid_PI/2 BPSK_1RB

