

TEST REPORT

Report Number: 15496224-E22V5

Applicant : APPLE INC.
1 APPLE PARK WAY
CUPERTINO, CA 95014, U.S.A.

Model : A3256

Brand : APPLE

FCC ID : BCG-E8949A

IC : 579C-E8949A

EUT Description : SMARTPHONE

Test Standard(s) : FCC 47 CFR PART 2, PART 22H, PART 90S, PART 25
ISED RSS-GEN ISSUE 5 + A1 + A2, RSS-132 ISSUE 4

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Revision History

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V5	2025-08-15	Revise section 6.5	Mengistu Mekuria

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1. ATTESTATION OF TEST RESULTS

Applicant Name and Address	APPLE INC. 1 APPLE PARK WAY CUPERTINO, CA 95014, U.S.A.	
Model	A3256	
Brand	APPLE	
FCC ID	BCG-E8949A	
IC	579C-E8949A	
EUT Description	Smartphone	
Serial Number	Radiated: N4QD07QXJ9, CP2H9NGP6C Conducted: C07HG80000L0000WGT, C07HG80000T0000WGT	
Sample Receipt Date	2024-11-25	
Date Tested	2024-11-25 to 2025-06-03	
Applicable Standards	FCC 47 CFR PART 2, PART 22H, PART 90S, PART 25 ISED RSS-GEN ISSUE 5 + A1 + A2, RSS-132 ISSUE 4	
Test Results	COMPLIES	
UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document.		
Approved & Released By:	Reviewed By:	Prepared By:
		
Kiya Kedida Lead Project Engineer UL Verification Services Inc.	Eric Ting Senior Test Engineer UL Verification Services Inc.	Carlos D. Caudana Laboratory Engineer UL Verification Services Inc.

2. SUMMARY OF TEST RESULTS

This report contains data provided by the customer which can impact the validity of results. UL Verification Services Inc. is only responsible for correctly integrating customer-provided data with measurements performed by UL Verification Services Inc.

Below is a list of the data provided by the customer:

1. Antenna gain and type (see section 6.4)

Requirement Description	Band	Requirement Clause Number (FCC)	Result	Remarks
RF Conducted Output Power	26 (90S)	2.1046, 90.635 (b)	Complies	
Effective Radiated Power	5, 26 (22)	22.913 (a)(5)	Complies	
Occupied Bandwidth	5, 26	2.1049	Complies	
Band Edge and Emission Mask	5, 26	2.1051, 22.917 (a), 90.691 (a)	Complies	
Out of Band Emissions	5, 26	2.1051, 22.917 (a), 90.691 (a)	Complies	
Frequency Stability	5, 26	2.1055, 22.355, 90.539, 90.213	Complies	
Peak-to-Average Ratio	5, 26	22.913 (d)	Complies	
Field Strength of Spurious Radiation	5, 26	2.1053, 22.917 (a), 90.691 (a)	Complies	

Requirement Description	Requirement Clause Number (ISED)	Result	Remarks
Effective Radiated Power	RSS132§5.4	Complies	
Occupied Bandwidth	RSS132, RSS-GEN§6.7	Complies	
Band Edge and Emission Mask	RSS132§5.5	Complies	
Out of Band Emissions	RSS132§5.5	Complies	
Frequency Stability	RSS132§5.3	Complies	
Peak-to-Average Ratio	RSS132§5.4	Complies	
Field Strength of Spurious Radiation	RSS132§5.5	Complies	

SUPPLEMENTAL COVERAGE FROM SPACE (SCS)

Under section § 25.109 (f) of the FCC rules Space and SCS earth stations providing SCS are subject to technical rules in parts 2, 22, 24, and 27 of this chapter based on the operating frequency band. Section § 25.204 (g) specifies that earth stations providing SCS pursuant to §§ 25.125 and 25.115 shall comply with the power requirements and out-of-band emission limits corresponding to devices operating in parts 22, 24, or 27 of this chapter (e.g., §§ 22.913, 24.232, 27.50), as required for their operating frequencies. We have clarified through KDB inquiry that the technical requirements from Part 90R should be applied for SCS operations in the 700 MHz Public Safety Band.

The table below identifies the SCS frequencies available for use and, for each band, the applicable FCC Part 22, 24, 27, and 90R technical requirements, the air interfaces supported by the device for SCS use.

The bands available for SCS and the bands supported by the devices in the scope of this report are:

Band	Frequency		Part 22/24/27/90 Rule parts	3GPP Band	Supported	Applicable to This Report
	DL (MHz)	UL (MHz)				
600 MHz:	614-652	663-698	27.5 (c) 27.50 (c) 27.53 (g)	71/n71	Yes	No
700 MHz:	729 – 746	699 –716	27.5 (c) 27.50 (c) 27.53 (g)	12/n12 17	Yes	No
	746 – 756	777 – 787	27.5 (b) 27.50 (b) 27.53 (f)	13/n13	Yes	No
	758-769	788-799	90R ^{Note 1}	14 / n14	Yes	No
	805-806 MHz				No	
800 MHz:	869-894	824-849	22H	WCDMA 5 5/n5 26/N26	Yes	Yes
Broadband PCS:	1930-1995	1850-1915	24E 24E	WCDMA 2 2/n2 25/n25	Yes	No
Note 1: Clarified through KDB inquiry that the technical requirements from Part 90R should be applied for SCS operations in the 700 MHz Public Safety Band.						

3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with the following.

FCC published lists of [measurement procedures](#) for compliance testing.

ISED published lists of [normative test standards and acceptable alternatives procedures](#).

- ANSI C63.26:2015
- ANSI/TIA-603-E (2016)
- FCC 47 CFR Part 2, Part 22H, Part 90S, Part 25
- [FCC KDB 971168 D01](#): Power Meas License Digital Systems (ISED acceptable alternative procedure)
- [FCC KDB 971168 D02](#): Misc Rev Approv License Devices
- [FCC KDB 412172 D01](#): Determining ERP and EIRP
- [FCC KDB 273109 D02](#): Part 25 SCS and CMRS-Bands
- ISED RSS-Gen Issue 5 + A1 + A2, RSS-132 Issue 4

4. FACILITIES AND ACCREDITATION

UL Verification Services Inc. is accredited by A2LA, certification #0751.05, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
☐	Building 1: 47173 Benicia Street, Fremont, CA 94538, USA	US0104	2324A	550739
☐	Building 2: 47266 Benicia Street, Fremont, CA 94538, USA			
☒	Building 3: 843 Auburn Court, Fremont, CA 94538, USA			
☒	Building 4: 47658 Kato Rd, Fremont, CA 94538, USA			
☒	Building 5: 47670 Kato Rd, Fremont, CA 94538, USA			

5. DECISION RULES AND MEASUREMENT UNCERTAINTY

5.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of one year or the manufacturers' recommendation, whichever is less, and where applicable is traceable to recognized national standards.

5.2. DECISION RULES

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

5.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	U _{Lab}
Conducted Antenna Port Emission Measurement	1.940 dB
Power Spectral Density	2.466 dB
Time Domain Measurements Using SA	3.39 %
RF Power Measurement Direct Method Using Power Meter	0.450 dB Ave. 1.300 dB Peak
Radio Frequency (Spectrum Analyzer)	141.16 Hz
Occupied Bandwidth	1.22%
Worst Case Conducted Disturbance, 9KHz to 0.15 MHz	3.78 dB
Worst Case Conducted Disturbance, 0.15 to 30 MHz	3.40 dB
Worst Case Radiated Disturbance, 9KHz to 30 MHz	2.87 dB
Worst Case Radiated Disturbance, 30 to 1000 MHz	6.01 dB
Worst Case Radiated Disturbance, 1000 to 18000 MHz	4.73 dB
Worst Case Radiated Disturbance, 18000 to 26000 MHz	4.51 dB
Worst Case Radiated Disturbance, 26000 to 40000 MHz	5.29 dB

Uncertainty figures are valid to a confidence level of 95%.

5.4. SAMPLE CALCULATION

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB)
36.5 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 dBuV/m

6. EQUIPMENT UNDER TEST

6.1. DESCRIPTION OF EUT

The Apple iPhone is a smartphone with cellular GSM, GPRS, EGPRS, WCDMA, LTE, 5G NR1, 5G NR2, IEEE 802.11a/b/g/n/ac/ax/be, Bluetooth (BT), Ultra-Wideband (UWB), Global Positioning System (GPS), Near-Field Communication (NFC), Narrow-Band (NB) UNII, 802.15.4, 802.15.4ab-Narrow Band (NB), Wireless Power Transfer (WPT) and Mobile Satellite Service (MSS) technologies. The rechargeable battery is not user accessible. This device is not user-serviceable and requires special tools to disassemble.

6.2. MAXIMUM OUTPUT POWER

EIRP/ERP TEST PROCEDURE

ANSI C63.26:2015
KDB 971168 D01 Section 5.6

$$\text{ERP/EIRP} = \text{PMeas} + \text{GT} - \text{LC}$$

where: ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as PMeas, typically dBW or dBm);

PMeas = measured transmitter output power or PSD, in dBm or dBW;

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

For devices utilizing multiple antennas, KDB 662911 provides guidance for determining the effective array transmit antenna gain term to be used in the above equation.

EUT includes different power levels for head use configuration and body use configuration and the below tables contain the highest of all configurations average conducted and peak EIRP output powers as follows:

LTE BAND 5

Part 22H/RSS132									
ERP Limit (W)		7.00							
Antenna Gain (dBi) (ANT3)		-5.00							
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (MHz)	99% BW (kHz)	Emission Designator
1.4	QPSK	824.7	848.3	25.70	18.55	0.072	1.094	1094	1M09G7W
	16QAM			24.65	17.50	0.056	1.100	1100	1M10D7W
3.0	QPSK	825.5	847.5	25.70	18.55	0.072	2.707	2707	2M71G7W
	16QAM			24.20	17.05	0.051	2.701	2701	2M70D7W
5.0	QPSK	826.5	846.5	25.70	18.55	0.072	4.509	4509	4M51G7W
	16QAM			24.55	17.40	0.055	4.510	4510	4M51D7W
10.0	QPSK	829.0	844.0	25.70	18.55	0.072	9.009	9009	9M01G7W
	16QAM			24.40	17.25	0.053	8.981	8981	8M98D7W

5G NR n5

Part 22H/RSS132									
ERP Limit (W)		7.00							
Antenna Gain (dBi) (ANT3)		-5.00							
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (MHz)	99% BW (kHz)	Emission Designator
5.0	BPSK	826.5	846.5	25.70	18.55	0.072	4.498	4498	4M50G7W
	QPSK			25.70	18.55	0.072	4.493	4493	4M49G7W
	16QAM			24.67	17.52	0.056	4.487	4487	4M49D7W
10.0	BPSK	829.0	844.0	25.70	18.55	0.072	8.993	8993	8M99G7W
	QPSK			25.70	18.55	0.072	8.974	8974	8M97G7W
	16QAM			24.48	17.33	0.054	8.970	8970	8M97D7W
15.0	BPSK	831.5	841.5	25.69	18.54	0.071	13.467	13467	13M5G7W
	QPSK			25.70	18.55	0.072	13.477	13477	13M5G7W
	16QAM			24.49	17.34	0.054	13.487	13487	13M5D7W
20.0	BPSK	834.0	839.0	25.70	18.55	0.072	17.985	17985	18M0G7W
	QPSK			25.70	18.55	0.072	17.993	17993	18M0G7W
	16QAM			24.47	17.32	0.054	17.995	17995	18M0D7W

ULCA LTE BAND 5

Part 22H/RSS132									
ERP Limit (W)		7.00							
Antenna Gain (dBi) (ANT3)		-5.00							
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (MHz)	99% BW (kHz)	Emission Designator
3+5	QPSK	825.5	846.5	26.00	18.85	0.077	7.495	7495	7M50G7W
	16QAM			25.69	18.54	0.071	7.493	7493	7M49D7W
5+3	QPSK	826.5	847.5	26.00	18.85	0.077	7.505	7505	7M51G7W
	16QAM			25.70	18.55	0.072	7.497	7497	7M50D7W
5+10	QPSK	826.5	844.0	26.00	18.85	0.077	13.879	13879	13M9G7W
	16QAM			24.66	17.51	0.056	13.838	13838	13M8D7W
10+5	QPSK	829.0	846.5	26.00	18.85	0.077	13.903	13903	13M9G7W
	16QAM			24.68	17.53	0.057	13.897	13897	13M9D7W
10+10	QPSK	829.0	844.0	26.00	18.85	0.077	18.774	18774	18M8G7W
	16QAM			24.57	17.42	0.055	18.771	18771	18M8D7W

LTE BAND 26 (FCC Part 90S)

Part 90S								
Conducted Limit (W)			100.00					
Antenna Gain (dBi) (ANT3)			-5.00					
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	Conducted Average (W)	99% BW (MHz)	99% BW (kHz)	Emission Designator
1.4	QPSK	814.7	823.3	25.70	0.37	1.097	1097	1M10G7W
	16QAM			24.68	0.29	1.101	1101	1M10D7W
3.0	QPSK	815.5	822.5	25.70	0.37	2.699	2699	2M70G7W
	16QAM			24.69	0.29	2.706	2706	2M71D7W
5.0	QPSK	816.5	821.5	25.70	0.37	4.506	4506	4M51G7W
	16QAM			24.70	0.30	4.499	4499	4M50D7W
10.0	QPSK	819.0	819.0	25.70	0.37	8.961	8961	8M96G7W
	16QAM			24.63	0.29	8.984	8984	8M98D7W

5G NR n26 (FCC Part 90S)

Part 90S								
Conducted Limit (W)			100.00					
Antenna Gain (dBi) (ANT3)			-5.00					
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	Conducted Average (W)	99% BW (MHz)	99% BW (kHz)	Emission Designator
5.0	BPSK	816.5	821.5	25.70	0.37	4.486	4486	4M49G7W
	QPSK			25.70	0.37	4.477	4477	4M48G7W
	16QAM			24.56	0.29	4.488	4488	4M49D7W
10.0	BPSK	819.0	819.0	25.70	0.37	8.966	8966	8M97G7W
	QPSK			25.70	0.37	8.990	8990	8M99G7W
	16QAM			24.49	0.28	8.947	8947	8M95D7W

LTE BAND 26 (FCC Part 22)

Part 22									
ERP Limit (W)			7.00						
Antenna Gain (dBi) (ANT3)			-5.00						
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (MHz)	99% BW (kHz)	Emission Designator
1.4	QPSK	824.7	848.3	25.70	18.55	0.072	1.091	1091	1M09G7W
	16QAM			24.68	17.53	0.057	1.095	1095	1M10D7W
3.0	QPSK	825.5	847.5	25.70	18.55	0.072	2.708	2708	2M71G7W
	16QAM			24.63	17.48	0.056	2.702	2702	2M70D7W
5.0	QPSK	826.5	846.5	25.70	18.55	0.072	4.502	4502	4M50G7W
	16QAM			24.70	17.55	0.057	4.501	4501	4M50D7W
10.0	QPSK	829.0	844.0	25.70	18.55	0.072	8.973	8973	8M97G7W
	16QAM			24.70	17.55	0.057	8.972	8972	8M97D7W

5G NR n26 (FCC Part 22)

Part 22									
ERP Limit (W)		7.00							
Antenna Gain (dBi) (ANT3)		-5.00							
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (MHz)	99% BW (kHz)	Emission Designator
5.0	BPSK	826.5	846.5	25.70	18.55	0.072	4.484	4484	4M48G7W
	QPSK			25.68	18.53	0.071	4.485	4485	4M49G7W
	16QAM			24.53	17.38	0.055	4.483	4483	4M48D7W
10.0	BPSK	829.0	844.0	25.70	18.55	0.072	8.954	8954	8M95G7W
	QPSK			25.70	18.55	0.072	8.967	8967	8M97G7W
	16QAM			24.55	17.40	0.055	8.964	8964	8M96D7W
15.0	BPSK	831.5	841.5	25.70	18.55	0.072	13.472	13472	13M5G7W
	QPSK			25.70	18.55	0.072	13.479	13479	13M5G7W
	16QAM			24.94	17.79	0.060	13.452	13452	13M5D7W
20.0	BPSK	834.0	839.0	25.66	18.51	0.071	17.912	17912	17M9G7W
	QPSK			25.70	18.55	0.072	17.929	17929	17M9G7W
	16QAM			24.71	17.56	0.057	17.966	17966	18M0D7W

6.3. SOFTWARE AND FIRMWARE

The EUT firmware installed during testing was version 0.08.00

6.4. MAXIMUM ANTENNA GAIN AND MAXIMUM ALLOWED OUTPUT POWER

The IFA antenna(s) gain/allowed output power, as provided by the manufacturer' are as follows:

Bands	Frequency Range (MHz)	Antenna	Gain (dBi)	Max Allowed Conducted Output Power (dBm)	ERP/EIRP (dBm)
LTE Band 5	824 - 849	ANT1			
		ANT2	-5.70	25.20	17.35
		ANT3	-5.00	25.70	18.55
		ANT4			
5G NR n5	824-849	ANT1			
		ANT2	-5.70	25.40	17.55
		ANT3	-5.00	25.70	18.55
		ANT4			
CA_Band 5	824 - 849	ANT1			
		ANT2	-5.70	25.70	17.85
		ANT3	-5.00	26.00	18.85
		ANT4			
LTE Band 26 / 5G NR n26 (FCC Part 90)	814 - 824	ANT1			
		ANT2	-5.70	25.20	17.35
		ANT3	-5.00	25.70	18.55
		ANT4			
LTE Band 26 / 5G NR n26 (FCC Part 22)	824 - 849	ANT1			
		ANT2	-5.70	25.20	17.35
		ANT3	-5.00	25.70	18.55
		ANT4			

6.5. WORST-CASE CONFIGURATION AND MODE

This report covers the following technologies:

- LTE Band 5, 5G NR n5, ULCA LTE Band 5
- LTE Band 26, 5G NR n26

For 5G NRs, conducted spurious emission tests were conducted on wider bandwidth with inner 1RB since this is the worst bandwidth and the highest output power.

BPSK modulation applied only for 5G NR frequencies and has the same tune up power as QPSK modulations.

The DFT-s-OFDM and CP-OFDM waveforms were investigated, and DFT-s-OFDM was found to be the worst case.

For ULCA, Band Edge and Emission Mask: The highest BW combo and sample lower BW combinations were tested. Combination pairs of the same BW are considered generally equivalent. The RB combinations were selected such that the signal is active closest to the band limit, as this is the worst case.

For ULCA, Out of Band Emissions: The highest combination and a sample lower combination was tested. The highest power RB combination was selected as worst-case.

The worst-case scenario for all measurements is based on an engineering evaluation made on different modulations. Then, QPSK and BPSK were observed as the worst mode to LTE bands and 5G NR bands respectively and set for all conducted and radiated. Output power measurements were measured on BPSK, QPSK, 16QAM, 64QAM, and 256QAM modulations. For testing purposes emissions on section 9 were measured while QPSK/BPSK was set at or above target power for all bands. Conducted tests were performed on the worst-case antenna port because it has the highest conducted power. The worst-case antenna port is shown in the table below.

LTE and 5G NR Bands	Worst case Antenna Port
LTE Band 5 and 5G NR n5, ULCA LTE Band 5	Ant 3
LTE Band 26 and 5G NR n26	Ant 3

The EUT was investigated in three orthogonal orientations X/Y/Z on all available antennas to determine the worst-case orientation. The following table exhibits the worst-case orientation. The full tests of the EUT have made upon the orientations that shown in the table below.

Frequency Range	ANT3	ANT2
663 – 849 MHz	Z	Y

Radiated spurious emissions were investigated from 9kHz to 30MHz, 30MHz-1GHz and above 1GHz. There were no emissions found with less than 20dB of margin from 9kHz to 1GHz.

For simultaneous transmission of multiple channels in the 2.4GHz/5GHz WLAN, UWB, and Cellular bands, tests were conducted for various configurations having the highest power, least separation in frequencies and widest operation bandwidths. No noticeable new emission was found.

6.6. DESCRIPTION OF TEST SETUP

Refer to Appendix A for description of test setup.

7. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment were utilized for the tests documented in this report:

TEST EQUIPMENT LIST				
Description	Manufacturer	Model	Asset	Cal Due
Wideband Communication Test Set, Call Box	R&S GmbH & Co.	CMW500	230297	2026-02-28
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	169936	2026-02-28
Antenna, Horn 1-18GHz	ETS Lindgren	3117	200897	2026-04-30
RF Filter Box, 1-18GHz, 12 Port	UL-FR1	Frankenstein	217255	2026-01-31
Antenna, Horn 1-18GHz	ETS Lindgren	3117	223084	2026-12-31
RF Filter Box, 1-18GHz	UL-FR1	NA	231875	2025-11-30
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	170063	2026-02-28
Wideband Communication Test Set, Call Box	R&S GmbH & Co.	CMW500	230297	2026-02-28
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	169936	2026-02-28
Antenna, Horn 1-18GHz	ETS Lindgren	3117	200897	2026-04-30
RF Filter Box, 1-18GHz, 12 Port	UL-FR1	Frankenstein	217255	2026-01-31
Antenna, Passive Loop 30Hz - 1MHz	ELECTRO-METRICS	EM-6871	170013	2025-07-31
Antenna, Passive Loop 100KHz - 30MHz	ELECTRO-METRICS	EM-6872	170015	2025-07-31
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	262735	2026-03-30
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	231912	2026-04-30
Antenna, Broadband Hybrid, 30MHz to 3GHz	Sunol Sciences Corp.	JB3	171863	2026-11-30
Amplifier 9 KHz - 1 GHz	SONOMA INSTRUMENT	310N	224490	2026-05-06
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	259079	2026-02-28
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	262734	2026-04-30
Wideband Communication Call Box	Rohde & Schwarz	CMW500	230298	2026-02-28
Wideband Communication Call Box	Rohde & Schwarz	CMW500	85943	2026-02-28
Wideband Communication Call Box	Rohde & Schwarz	CMW500	262742	2027-02-11
Wideband Communication Call Box	Rohde & Schwarz	CMW500	262741	2027-02-11
Conducted Switch Box	N/A	CSB	221008	2026-04-30
Conducted Switch Box	N/A	CSB	262354	2026-04-30
Filter, BRF 3400-3800MHz, 18GHz max	Micro-Tronics	BRM50711	217364	2025-09-30
Filter, BRF 2305-2315	Micro-Tronics	BRC20553	224186	2026-06-29
Power Meter, P-series single channel	Keysight Technologies Inc	N1911A	90718	2026-03-31
Power Sensor, P - series, 50MHz to 18GHz, Wideband	Keysight Technologies Inc	N1921A	257704	2026-03-31
Chamber, Environmental	Cincinnati Sub Zero	ZPHS-8-3.5-SCT/WC	89097	2025-10-31
UL AUTOMATION SOFTWARE				
Conducted Software	UL	CLT	Ver.2023 11.21.0 & .2024.3.20.0	
Conducted Software	UL	Power Measurement	Ver 2023.08.14	
Conducted Software	UL	Antenna Port	Ver.2022.8.16	
Conducted Software	UL	Station Tool	Ver. 5.0,	
Radiated Software	UL	UL EMC	Ver 9.5, May 1, 2023	

8. RF OUTPUT POWER VERIFICATION

CONDUCTED OUTPUT POWER MEASUREMENT PROCEDURE

All bands conducted average power is obtained from the base station simulator.

The following tests were conducted according to the test requirements outlined in ANSI C63.26 Section 5.2.

RESULTS

EUT has different power levels for head use configuration and body use configuration. All measurements are made with the device operating at the highest average conducted output powers.

8.1. LTE BAND 5

Test Engineer ID:	39004	Test Date:	2025-01-17
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OUTPUT POWER FOR LTE BAND 5 (1.4 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Ant 3			Ant 2		
				Conducted Average (dBm)			Conducted Average (dBm)		
				20407	20525	20643	20407	20525	20643
1.4	QPSK	1	0	25.67	25.65	25.70	25.20	25.20	25.16
		1	2	25.70	25.69	25.40	25.16	25.18	25.20
		1	5	25.58	25.70	25.15	25.19	25.19	25.01
		3	0	25.55	25.57	25.47	25.14	25.14	25.14
		3	1	25.59	25.58	25.32	25.20	25.17	25.15
		3	2	25.61	25.68	25.20	25.18	25.19	25.07
	16QAM	6	0	25.46	25.28	24.47	24.53	24.52	24.35
		1	0	24.65	24.44	23.83	24.71	24.67	24.59
		1	2	24.60	24.51	23.64	24.76	24.66	24.52
		1	5	24.60	24.42	23.31	24.79	24.66	24.28
		3	0	24.48	24.46	23.75	24.65	24.60	24.52
		3	1	24.52	24.42	23.60	24.72	24.70	24.42
	64QAM	3	2	24.51	24.36	23.45	24.66	24.65	24.39
		6	0	23.49	23.40	22.64	23.58	23.60	23.53
		1	0	23.76	23.58	23.10	23.90	23.87	23.84
		1	2	23.84	23.56	22.87	23.88	23.98	23.87
		1	5	23.80	23.46	22.46	23.83	23.86	23.72
		3	0	23.69	23.54	22.98	23.71	23.80	23.66
	256QAM	3	1	23.67	23.57	22.84	23.72	23.74	23.65
		3	2	23.72	23.48	22.67	23.81	23.78	23.67
		6	0	22.54	22.46	21.77	22.62	22.64	22.56
		1	0	20.69	20.55	20.28	20.60	20.69	20.61
		1	2	20.69	20.51	20.04	20.62	20.73	20.66
		1	5	20.62	20.46	19.71	20.79	20.67	20.59
256QAM	3	0	20.55	20.56	20.31	20.64	20.71	20.63	
	3	1	20.56	20.60	20.07	20.69	20.73	20.66	
	3	2	20.57	20.57	19.89	20.67	20.76	20.68	
	6	0	20.46	20.43	19.93	20.60	20.61	20.50	

OUTPUT POWER FOR LTE BAND 5 (3.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Ant 3			Ant 2			
				Conducted Average (dBm)			Conducted Average (dBm)			
				20415 825.5 MHz	20525 836.5 MHz	20635 847.5 MHz	20415 825.5 MHz	20525 836.5 MHz	20635 847.5 MHz	
3.0	QPSK	1	0	25.63	25.59	25.70	25.15	25.15	25.14	
		1	7	25.69	25.70	25.69	25.20	25.20	25.20	
		1	14	25.63	25.70	25.09	25.14	25.05	25.02	
		8	0	25.54	25.49	25.48	24.49	24.48	24.40	
		8	4	25.52	25.32	25.11	24.48	24.48	24.40	
		8	7	25.49	25.25	24.76	24.48	24.48	24.43	
	16QAM	15	0	25.49	25.33	25.22	24.47	24.46	24.43	
		1	0	24.13	24.04	24.09	24.66	24.53	24.56	
		1	7	24.20	23.95	23.83	24.65	24.66	24.64	
		1	14	24.13	23.81	22.90	24.64	24.50	24.37	
		8	0	23.05	23.02	23.01	23.52	23.50	23.43	
		8	4	23.04	22.85	22.84	23.57	23.55	23.46	
		8	7	23.05	22.77	22.45	23.53	23.51	23.43	
		15	0	23.04	22.85	22.74	23.50	23.48	23.46	
		64QAM	1	0	23.27	23.10	23.18	23.64	23.69	23.69
	1		7	23.26	23.14	23.05	23.77	23.71	23.77	
	1		14	23.13	22.89	22.11	23.67	23.60	23.73	
	8		0	22.10	22.04	22.07	22.57	22.55	22.50	
	8		4	22.07	21.96	21.89	22.60	22.53	22.52	
	8		7	22.08	21.90	21.58	22.57	22.54	22.50	
	15		0	22.04	21.88	21.75	22.55	22.52	22.48	
	256QAM		1	0	20.10	19.91	19.93	20.54	20.55	20.48
			1	7	20.12	20.14	20.18	20.66	20.60	20.62
		1	14	20.03	19.95	19.32	20.54	20.53	20.62	
8		0	20.06	20.00	20.01	20.54	20.52	20.46		
8		4	20.05	19.95	20.02	20.56	20.51	20.49		
8		7	20.05	19.87	19.69	20.53	20.50	20.50		
15		0	20.02	19.93	19.92	20.54	20.53	20.46		

OUTPUT POWER FOR LTE BAND 5 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Ant 3			Ant 2		
				Conducted Average (dBm)			Conducted Average (dBm)		
				20425	20525	20625	20425	20525	20625
				826.5 MHz	836.5 MHz	846.5 MHz	826.5 MHz	836.5 MHz	846.5 MHz
5.0	QPSK	1	0	25.70	25.62	25.65	25.20	25.20	25.18
		1	12	25.64	25.63	25.70	25.13	25.16	25.20
		1	24	25.65	25.70	25.34	25.17	25.04	25.09
		12	0	25.49	25.45	25.44	24.53	24.49	24.47
		12	6	25.50	25.29	25.55	24.50	24.50	24.51
		12	11	25.46	25.12	25.22	24.47	24.42	24.48
		25	0	25.48	25.30	25.56	24.47	24.45	24.50
		1	0	24.53	24.39	24.48	24.73	24.65	24.68
	16QAM	1	12	24.46	24.25	24.55	24.69	24.69	24.69
		1	24	24.52	24.04	23.65	24.65	24.44	24.48
		12	0	23.37	23.33	23.33	23.55	23.50	23.46
		12	6	23.37	23.23	23.48	23.54	23.47	23.52
		12	11	23.34	23.06	23.22	23.51	23.45	23.53
		25	0	23.34	23.24	23.42	23.51	23.47	23.55
		1	0	23.76	23.47	23.50	24.63	23.61	23.81
		1	12	23.50	23.42	23.69	23.72	23.69	23.73
	64QAM	1	24	23.55	23.09	22.82	23.65	23.50	23.71
		12	0	22.37	22.38	22.37	22.56	22.54	22.49
		12	6	22.43	22.31	22.49	22.56	22.52	22.59
		12	11	22.39	22.14	22.27	22.54	22.52	22.58
		25	0	22.35	22.21	22.41	22.54	22.50	22.56
	256QAM	1	0	20.51	20.29	20.35	20.68	20.51	20.54
		1	12	20.51	20.54	20.58	20.65	20.64	20.61
		1	24	20.46	20.16	20.26	20.51	20.52	20.58
		12	0	20.41	20.29	20.28	20.59	20.53	20.48
		12	6	20.38	20.28	20.46	20.57	20.53	20.56
		12	11	20.32	20.19	20.43	20.53	20.49	20.55
		25	0	20.35	20.32	20.40	20.52	20.50	20.56

OUTPUT POWER FOR LTE BAND 5 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Ant 3			Ant 2		
				Conducted Average (dBm)			Conducted Average (dBm)		
				20450	20525	20600	20450	20525	20600
				829.0 MHz	836.5 MHz	844.0 MHz	829.0 MHz	836.5 MHz	844.0 MHz
10.0	QPSK	1	0	25.52	25.27	25.31	25.20	25.20	25.16
		1	24	25.66	25.44	25.70	25.15	25.20	25.20
		1	49	25.68	25.70	25.51	25.08	25.15	25.11
		25	0	25.44	25.08	25.28	24.40	24.47	24.21
		25	12	25.48	25.22	25.46	24.47	24.54	24.40
		25	24	25.49	25.22	25.54	24.45	24.51	24.45
		50	0	25.48	25.27	25.44	24.47	24.53	24.24
		1	0	24.24	23.85	23.92	24.50	24.66	24.33
	16QAM	1	24	24.40	24.11	24.29	24.56	24.69	24.48
		1	49	24.36	24.37	23.31	24.51	24.54	24.39
		25	0	23.16	22.81	22.96	23.41	23.50	23.34
		25	12	23.18	22.98	23.20	23.52	23.58	23.40
		25	24	23.20	22.87	23.23	23.48	23.49	23.45
		50	0	23.17	22.98	23.17	23.45	23.54	23.38
		1	0	23.42	23.13	23.11	23.69	23.75	23.54
		1	24	23.34	23.21	23.51	23.76	23.78	23.65
	64QAM	1	49	23.50	23.24	22.75	23.72	23.67	23.52
		25	0	22.12	21.84	21.98	22.50	22.51	22.29
		25	12	22.17	22.02	22.20	22.60	22.60	22.43
		25	24	22.23	21.86	22.26	22.53	22.49	22.46
		50	0	22.17	22.02	22.17	22.55	22.54	22.37
	256QAM	1	0	20.15	19.79	19.91	20.57	20.52	20.39
		1	24	20.25	20.11	20.30	20.60	20.69	20.59
		1	49	20.30	20.02	20.20	20.57	20.55	20.53
		25	0	20.13	19.79	19.97	20.44	20.46	20.27
		25	12	20.18	19.99	20.19	20.52	20.55	20.36
		25	24	20.19	19.97	20.29	20.55	20.56	20.45
		50	0	20.14	20.00	20.18	20.53	20.54	20.37

8.2. 5G NR n5

Test Engineer ID:	25780	Test Date:	2024-11-27
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OUTPUT POWER FOR 5G NR n5 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Ant 3			Ant 2		
				Conducted Average (dBm)			Conducted Average (dBm)		
				165300	167300	169300	165300	167300	169300
5.0	BPSK	1	0	24.80	24.96	25.09	24.21	24.87	23.67
			1	25.51	25.50	25.70	24.80	25.40	23.86
		1	23	25.70	25.69	25.40	24.96	25.00	23.03
		1	24	25.17	25.16	24.85	24.32	24.33	22.36
		12	6	25.65	25.65	25.67	24.88	25.20	25.40
		25	0	25.02	25.06	25.01	24.40	24.62	24.80
	QPSK	1	0	24.51	24.40	24.51	23.12	22.92	20.90
		1	1	25.46	25.57	25.56	23.89	23.89	24.09
		1	23	25.60	25.70	24.53	22.69	23.35	22.89
		1	24	24.60	24.67	23.54	21.44	22.16	21.68
		12	6	25.58	25.40	25.68	25.40	24.08	24.90
		25	0	24.60	24.28	24.54	24.44	23.05	23.96
	16QAM	1	0	23.25	23.38	23.43	20.88	21.37	20.87
		1	1	24.48	24.48	24.58	23.63	23.46	21.79
		1	23	24.63	24.67	23.65	23.37	22.98	21.12
		1	24	23.53	23.54	22.62	21.92	21.69	19.73
		12	6	24.44	24.37	24.46	23.66	23.21	23.57
		25	0	23.46	23.39	23.48	22.78	22.11	22.46
	64QAM	1	0	22.93	22.87	22.95	21.67	21.49	19.49
		1	1	23.00	22.95	22.96	21.44	21.37	19.43
		1	23	23.01	23.07	22.26	20.33	20.82	20.87
		1	24	23.08	23.03	22.22	20.15	20.66	20.51
		12	6	22.95	22.85	22.92	22.57	21.57	22.88
		25	0	22.96	22.89	22.94	22.64	21.51	22.59
	256QAM	1	0	20.79	20.82	20.91	19.18	19.31	19.07
		1	1	20.30	20.88	21.01	19.07	19.43	18.99
		1	23	20.44	21.10	20.84	18.13	18.92	18.46
		1	24	20.42	20.99	20.75	18.02	18.76	18.26
		12	6	20.30	20.93	20.88	20.79	20.05	20.97
		25	0	20.32	20.92	20.90	20.83	20.21	20.78

OUTPUT POWER FOR 5G NR n5 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Ant 3			Ant 2		
				Conducted Average (dBm)			Conducted Average (dBm)		
				165800	167300	168800	165800	167300	168800
10.0	BPSK	1	0	24.50	24.54	24.93	24.70	24.31	24.56
			1	25.06	25.21	25.53	24.85	24.95	25.18
		1	50	25.60	25.70	25.55	25.35	25.40	25.03
		1	51	24.96	25.07	24.93	24.74	24.86	24.43
		25	12	25.25	25.33	25.55	25.03	25.07	25.32
		50	0	24.73	24.78	25.03	24.51	24.49	24.76
	QPSK	1	0	23.96	24.12	24.41	23.68	23.84	23.43
		1	1	25.04	25.23	25.55	24.80	24.98	24.45
		1	50	25.61	25.65	24.63	25.40	24.83	24.20
		1	51	24.42	24.51	23.64	24.32	23.89	23.15
		25	12	25.25	25.31	25.70	25.02	24.81	25.40
		50	0	24.23	24.29	24.49	23.99	24.04	24.31
	16QAM	1	0	22.97	23.00	23.23	22.56	22.70	22.50
		1	1	23.87	23.99	24.31	23.76	23.82	23.43
		1	50	24.35	24.37	23.65	24.25	23.75	23.27
		1	51	23.36	23.45	22.62	23.19	22.91	22.27
		25	12	24.10	24.06	24.48	23.86	23.73	24.17
		50	0	23.12	23.17	23.51	22.86	22.93	23.20
	64QAM	1	0	22.34	22.46	22.89	22.01	22.16	21.99
		1	1	22.37	22.53	22.81	22.08	22.22	21.96
		1	50	22.85	22.97	22.46	22.63	22.28	21.84
		1	51	22.84	23.04	22.20	22.58	22.45	21.72
		25	12	22.58	22.55	22.95	22.39	22.20	22.68
		50	0	22.60	22.66	22.95	22.41	22.43	22.68
	256QAM	1	0	20.25	20.40	20.76	20.05	20.14	20.44
		1	1	20.33	20.48	20.86	20.13	20.10	20.44
		1	50	20.79	20.90	20.88	20.55	20.62	20.47
		1	51	20.78	20.88	20.70	20.60	20.61	20.24
		25	12	20.52	20.67	20.94	20.37	20.36	20.62
		50	0	20.58	20.72	20.94	20.33	20.32	20.60

OUTPUT POWER FOR 5G NR n5 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Ant 3			Ant 2		
				Conducted Average (dBm)			Conducted Average (dBm)		
				166300	167300	168300	166300	167300	168300
				831.5 MHz	836.5 MHz	841.5 MHz	831.5 MHz	836.5 MHz	841.5 MHz
15.0	BPSK	1	0	24.45	24.49	24.49	23.93	24.14	24.41
		1	1	24.98	25.15	25.11	24.54	24.64	25.05
		1	77	25.68	25.69	25.27	25.40	25.40	25.18
		1	78	25.06	25.17	24.84	24.80	24.87	24.65
		36	18	25.29	25.32	25.36	24.94	24.99	25.28
		75	0	24.48	24.69	24.72	24.31	24.37	24.68
	QPSK	1	0	23.86	24.04	24.07	23.48	23.56	23.99
		1	1	24.97	25.12	25.23	24.56	24.70	25.10
		1	77	25.70	25.70	24.46	24.71	25.16	24.42
		1	78	24.57	24.61	23.70	23.75	24.26	23.37
		36	18	25.32	25.39	25.70	24.99	25.05	25.40
		75	0	24.15	24.25	24.56	23.87	23.90	24.25
	16QAM	1	0	22.78	22.99	23.22	22.43	22.65	22.84
		1	1	23.79	23.92	24.29	23.41	23.44	23.84
		1	77	24.43	24.49	23.86	23.85	24.20	23.54
		1	78	23.36	23.41	22.78	22.83	23.24	22.52
		36	18	24.05	24.12	24.37	23.73	23.77	24.08
		75	0	23.05	23.18	23.43	22.78	22.84	23.22
	64QAM	1	0	22.29	22.40	22.69	21.84	22.06	22.33
		1	1	22.24	22.29	22.72	21.89	22.19	22.28
		1	77	22.95	23.02	22.42	22.33	22.65	22.13
		1	78	22.95	22.93	22.38	22.34	22.77	22.07
		36	18	22.49	22.61	22.92	22.24	22.32	22.71
		75	0	22.51	22.62	22.90	22.25	22.29	22.68
	256QAM	1	0	20.14	20.42	20.71	19.88	19.96	20.35
		1	1	20.23	23.97	20.71	19.74	20.08	20.36
		1	77	21.03	24.61	20.98	20.68	20.78	20.81
		1	78	20.86	24.52	20.85	20.68	20.73	20.80
		36	18	20.50	24.13	20.95	20.20	20.32	20.66
		75	0	20.55	24.21	20.95	20.20	20.24	20.74

OUTPUT POWER FOR 5G NR n5 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Ant 3			Ant 2		
				Conducted Average (dBm)			Conducted Average (dBm)		
				166800	167300	167800	166800	167300	167800
				834.0 MHz	836.5 MHz	839.0 MHz	834.0 MHz	836.5 MHz	839.0 MHz
20.0	BPSK	1	0	24.09	24.20	24.67	23.76	23.71	24.32
		1	1	24.79	24.89	25.27	24.37	24.42	24.95
		1	104	25.66	25.68	25.63	25.40	25.40	25.40
		1	105	25.10	25.07	25.12	24.81	24.81	24.88
		50	25	25.15	25.27	25.70	24.78	24.87	25.31
		100	0	24.62	24.80	25.21	24.40	24.34	24.83
	QPSK	1	0	23.66	23.71	24.13	23.29	23.28	23.77
		1	1	24.80	24.87	25.34	24.39	24.41	24.89
		1	104	25.70	25.70	24.77	25.19	25.34	24.44
		1	105	24.61	24.59	23.80	24.11	24.19	23.41
		50	25	25.10	25.34	25.69	24.82	24.80	25.34
		100	0	24.14	24.22	24.69	23.82	23.86	24.40
	16QAM	1	0	22.53	22.64	23.01	22.04	22.04	22.69
		1	1	23.64	23.80	24.01	23.30	23.17	23.65
		1	104	24.47	24.45	23.88	23.99	24.21	23.58
		1	105	23.50	23.36	22.87	23.12	23.26	22.47
		50	25	24.00	24.11	24.46	23.77	23.64	23.96
		100	0	23.00	23.07	23.49	22.74	22.61	23.19
	64QAM	1	0	21.96	22.00	22.52	21.71	21.69	22.25
		1	1	22.02	21.77	22.52	21.80	21.54	22.23
		1	104	22.94	22.97	22.47	22.77	22.72	22.13
		1	105	22.97	22.89	22.34	22.57	22.74	22.19
		50	25	22.51	22.44	22.94	22.20	22.10	22.54
		100	0	22.48	22.44	22.93	22.18	22.10	22.69
	256QAM	1	0	17.41	19.92	20.54	19.73	19.83	20.27
		1	1	17.34	20.01	20.57	19.79	19.63	20.20
		1	104	18.30	20.76	21.12	20.74	20.62	21.08
		1	105	18.32	20.73	21.14	20.91	20.58	20.89
		50	25	17.83	20.45	20.98	20.16	20.20	20.67
		100	0	17.79	20.42	20.88	20.27	20.15	20.63

8.3. ULCA LTE BAND 5

Test Engineer ID:	27957	Test Date:	2025-03-06
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OUTPUT POWER FOR ULCA LTE BAND 5 (3.0MHz + 5.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB	PCC RB	SCC1 RB	SCC1 RB	Conducted Average (dBm)							
			Size	Offset	Size	Offset	ANT 3				ANT 2			
							QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
3MHz / 5MHz	825.5	829.4	1	14	1	0	25.66	25.60	24.68	23.40	25.38	25.39	24.16	23.16
			15	0	25	0	25.68	25.64	24.62	23.52	25.36	25.38	24.32	23.35
	834.0	837.9	1	14	1	0	25.66	25.50	24.69	23.54	25.37	25.26	24.27	23.40
			15	0	25	0	25.65	25.53	24.62	23.41	25.70	25.27	24.40	23.16
	842.5	846.5	1	14	1	0	25.68	25.52	24.46	23.51	25.39	25.28	24.35	23.10
			15	0	25	0	26.00	25.69	24.60	23.67	25.35	25.35	24.38	23.35

OUTPUT POWER FOR ULCA LTE BAND 5 (5.0MHz + 3.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB	PCC RB	SCC1 RB	SCC1 RB	Conducted Average (dBm)							
			Size	Offset	Size	Offset	ANT 3				ANT 2			
							QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
5MHz / 3MHz	826.5	830.4	1	24	1	0	25.67	25.60	24.54	23.49	25.70	25.37	24.31	23.40
			25	0	15	0	25.68	25.51	24.68	23.51	25.36	25.21	24.26	23.12
	835.0	838.9	1	24	1	0	25.68	25.53	24.65	23.49	25.39	25.30	24.29	23.23
			25	0	15	0	26.00	25.62	24.64	23.49	25.35	25.34	24.18	23.14
	843.6	847.5	1	24	1	0	26.00	25.52	24.53	23.40	25.39	25.34	24.17	23.35
			25	0	15	0	25.66	25.70	24.62	23.64	25.38	25.27	24.34	23.24

OUTPUT POWER FOR ULCA LTE BAND 5 (5.0MHz + 10.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB	PCC RB	SCC1 RB	SCC1 RB	Conducted Average (dBm)							
			Size	Offset	Size	Offset	ANT 3				ANT 2			
							QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
5MHz / 10MHz	826.5	833.7	1	24	1	0	25.66	24.66	23.63	20.49	25.70	24.27	23.34	20.13
			25	0	50	0	23.65	22.52	22.70	20.42	23.39	22.35	22.36	20.30
	831.6	838.8	1	24	1	0	26.00	24.50	23.54	20.58	25.70	24.31	23.29	20.12
			25	0	50	0	23.65	22.66	22.48	20.66	23.37	22.35	22.20	20.12
	836.8	844.0	1	24	1	0	25.65	24.56	23.65	20.45	25.35	24.36	23.36	20.32
			25	0	50	0	23.65	22.67	22.69	20.41	23.37	22.28	22.23	20.32

OUTPUT POWER FOR ULCA LTE BAND 5 (10.0MHz + 5.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB	PCC RB	SCC1 RB	SCC1 RB	Conducted Average (dBm)							
			Size	Offset	Size	Offset	ANT 3				ANT 2			
							QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
10MHz/ 5MHz	829.0	836.2	1	49	1	0	25.65	24.68	23.52	20.57	25.64	24.27	23.33	20.10
			50	0	25	0	23.67	22.68	22.59	20.62	23.37	22.31	22.20	20.15
	834.3	841.5	1	49	1	0	26.00	24.64	23.56	20.53	25.35	24.34	23.30	20.27
			50	0	25	0	23.70	22.60	22.47	20.42	23.39	22.39	22.33	20.38
	839.3	846.5	1	49	1	0	25.69	24.57	23.68	20.61	25.36	24.25	23.18	20.40
			50	0	25	0	23.68	22.60	22.63	20.52	23.35	22.26	22.15	20.38

OUTPUT POWER FOR ULCA LTE BAND 5 (10.0MHz + 10.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB	PCC RB	SCC1 RB	SCC1 RB	Conducted Average (dBm)							
			Size	Offset	Size	Offset	ANT 3				ANT 2			
							QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
10MHz/ 10MHz	829.0	838.9	1	49	1	0	26.00	24.57	23.51	20.70	25.36	24.40	23.33	20.29
			1	0	1	49	15.15	15.11	15.07	15.17	14.90	14.75	14.68	14.82
			50	0	50	0	23.67	22.63	22.64	20.40	23.40	22.26	22.16	20.32
	831.6	841.5	1	49	1	0	25.68	24.50	23.68	20.46	25.70	24.33	23.19	20.10
			1	0	1	49	15.20	15.00	15.01	15.04	14.89	14.77	14.83	14.90
			50	0	50	0	23.68	22.67	22.51	20.51	23.36	22.40	22.34	20.35
	834.1	844.0	1	49	1	0	25.66	24.52	23.70	20.49	25.38	24.31	23.30	20.39
			1	0	1	49	15.16	15.03	15.07	15.05	14.89	14.74	14.88	14.75
			50	0	50	0	23.67	22.56	22.65	20.58	23.37	22.36	22.19	20.33

8.4. LTE BAND 26 (FCC Part 90S)

Test Engineer ID:	27957	Test Date:	2025-01-21
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OUTPUT POWER FOR LTE BAND 26 (1.4 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Ant 3			Ant 2		
				Conducted Average (dBm)			Conducted Average (dBm)		
				26697 814.7 MHz	26740 819.0 MHz	26783 823.3 MHz	26697 814.7 MHz	26740 819.0 MHz	26783 823.3 MHz
1.4	QPSK	1	0	25.69	25.65	25.67	24.71	25.08	25.20
		1	2	25.70	25.70	25.70	24.85	25.20	25.14
		1	5	25.63	25.59	25.60	25.01	25.09	25.07
		3	0	25.69	25.65	25.63	24.90	25.12	25.13
		3	1	25.65	25.68	25.69	25.04	25.13	25.07
		3	2	25.65	25.63	25.66	25.20	25.10	25.03
	16QAM	6	0	25.47	25.43	25.38	24.10	24.41	24.19
		1	0	24.64	24.48	24.44	23.99	24.58	24.40
		1	2	24.68	24.51	24.52	24.18	24.60	24.29
		1	5	24.57	24.46	24.53	24.38	24.53	24.25
		3	0	24.66	24.47	24.39	23.93	24.54	24.32
		3	1	24.62	24.42	24.42	24.08	24.49	24.24
	64QAM	3	2	24.61	24.38	24.44	24.27	24.54	24.21
		6	0	23.55	23.37	23.39	23.05	23.47	23.29
		1	0	23.86	23.65	23.58	22.69	23.60	23.52
		1	2	23.82	23.68	23.62	22.87	23.72	23.46
		1	5	23.65	23.55	23.52	22.93	23.59	23.29
		3	0	23.66	23.66	23.37	22.95	23.63	23.43
	256QAM	3	1	23.76	23.52	23.45	23.10	23.71	23.39
		3	2	23.65	23.50	23.49	23.25	23.70	23.34
		6	0	22.59	22.44	22.40	22.04	22.47	22.32
		1	0	20.79	20.53	20.51	19.98	20.54	20.44
		1	2	20.76	20.60	20.49	20.05	20.63	20.56
		1	5	20.68	20.55	20.43	20.11	20.49	20.43
		3	0	20.64	20.62	20.32	19.82	20.54	20.44
		3	1	20.62	20.58	20.39	19.96	20.56	20.41
		3	2	20.62	20.55	20.38	20.09	20.60	20.31
		6	0	20.51	20.53	20.33	19.91	20.41	20.34

OUTPUT POWER FOR LTE BAND 26 (3.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Ant 3			Ant 2		
				Conducted Average (dBm)			Conducted Average (dBm)		
				26705 815.5 MHz	26740 819.0 MHz	26775 822.5 MHz	26705 815.5 MHz	26740 819.0 MHz	26775 822.5 MHz
3.0	QPSK	1	0	25.65	25.68	25.49	24.93	25.14	25.17
		1	7	25.70	25.70	25.70	25.20	25.20	25.20
		1	14	25.49	25.56	25.53	25.01	25.00	25.03
		8	0	25.51	25.49	25.36	24.28	24.46	24.50
		8	4	25.50	25.43	25.43	24.50	24.45	24.47
		8	7	25.48	25.44	25.38	24.49	24.41	24.44
	16QAM	15	0	25.50	25.47	25.39	24.45	24.39	24.43
		1	0	24.67	24.64	24.47	24.22	24.54	24.58
		1	7	24.69	24.68	24.55	24.68	24.61	24.62
		1	14	24.52	24.49	24.54	24.47	24.48	24.48
		8	0	23.58	23.50	23.43	23.22	23.53	23.55
		8	4	23.55	23.48	23.42	23.55	23.50	23.51
	64QAM	8	7	23.52	23.45	23.38	23.51	23.49	23.51
		15	0	23.47	23.43	23.41	23.50	23.44	23.45
		1	0	23.65	23.55	23.49	23.02	23.60	23.64
		1	7	23.80	23.65	23.65	23.55	23.72	23.68
		1	14	23.47	23.51	23.42	23.42	23.45	23.49
		8	0	22.58	22.53	22.44	22.20	22.53	22.51
	256QAM	8	4	22.57	22.54	22.48	22.59	22.52	22.53
		8	7	22.55	22.51	22.42	22.54	22.48	22.49
		15	0	22.48	22.46	22.43	22.51	22.47	22.48
		1	0	20.60	20.45	20.41	20.31	20.50	20.55
		1	7	20.66	20.63	20.61	20.63	20.63	20.54
		1	14	20.37	20.45	20.39	20.36	20.39	20.37
		8	0	20.57	20.47	20.41	20.10	20.47	20.52
		8	4	20.56	20.45	20.44	20.44	20.49	20.48
		8	7	20.50	20.45	20.37	20.51	20.45	20.48
		15	0	20.48	20.45	20.41	20.39	20.44	20.46

OUTPUT POWER FOR LTE BAND 26 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Ant 3			Ant 2		
				Conducted Average (dBm)			Conducted Average (dBm)		
				26715	26740	26765	26715	26740	26765
5.0	QPSK	1	0	25.68	25.70	25.62	25.20	25.20	25.20
			12	25.58	25.58	25.70	25.20	25.10	25.13
		1	24	25.41	25.47	25.57	25.07	24.88	24.91
			0	25.36	25.43	25.41	24.55	24.34	24.45
		12	6	25.41	25.45	25.43	24.51	24.38	24.39
			11	25.31	25.34	25.40	24.43	24.25	24.31
		25	0	25.32	25.37	25.38	24.47	24.32	24.36
			0	24.70	24.65	24.50	24.50	24.63	24.71
	16QAM	1	12	24.55	24.61	24.54	24.66	24.58	24.55
			24	24.44	24.47	24.47	24.55	24.35	24.40
		12	0	23.41	23.47	23.37	23.59	23.37	23.48
			6	23.45	23.44	23.40	23.58	23.42	23.45
		12	11	23.36	23.35	23.37	23.49	23.32	23.34
		25	0	23.38	23.36	23.40	23.48	23.35	23.39
			0	23.75	23.76	23.51	23.54	23.78	23.79
	64QAM	1	12	23.64	23.67	23.55	23.88	23.71	23.76
			24	23.57	23.55	23.44	23.60	23.51	23.53
		12	0	22.39	22.48	22.41	22.41	22.35	22.52
			6	22.46	22.47	22.46	22.59	22.41	22.48
		12	11	22.36	22.37	22.41	22.48	22.28	22.38
		25	0	22.37	22.40	22.41	22.48	22.35	22.39
	256QAM	1	0	20.58	20.53	20.42	20.53	20.52	20.54
			12	20.49	20.66	20.59	20.63	20.52	20.59
		1	24	20.39	20.46	20.49	20.37	20.29	20.31
			12	20.36	20.48	20.42	20.38	20.35	20.46
		12	6	20.40	20.46	20.45	20.56	20.38	20.45
			11	20.27	20.36	20.38	20.43	20.30	20.34
		25	0	20.34	20.39	20.38	20.46	20.34	20.39

OUTPUT POWER FOR LTE BAND 26 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Ant 3			Ant 2		
				Conducted Average (dBm)			Conducted Average (dBm)		
				N/A	26740	N/A	N/A	26740	N/A
10.0	QPSK	1	0	N/A	25.70	N/A	N/A	25.20	N/A
			24	N/A	25.40	N/A	N/A	25.07	N/A
		1	49	N/A	25.19	N/A	N/A	24.66	N/A
			0	N/A	25.29	N/A	N/A	24.39	N/A
		25	12	N/A	25.30	N/A	N/A	24.39	N/A
			24	N/A	25.18	N/A	N/A	24.23	N/A
		50	0	N/A	25.29	N/A	N/A	24.33	N/A
	16QAM	1	0	N/A	24.63	N/A	N/A	24.43	N/A
			24	N/A	24.35	N/A	N/A	24.50	N/A
		1	49	N/A	24.14	N/A	N/A	24.11	N/A
			0	N/A	23.32	N/A	N/A	23.42	N/A
		25	12	N/A	23.31	N/A	N/A	23.43	N/A
			24	N/A	23.21	N/A	N/A	23.23	N/A
		50	0	N/A	23.30	N/A	N/A	23.37	N/A
	64QAM	1	0	N/A	23.72	N/A	N/A	23.49	N/A
			24	N/A	23.56	N/A	N/A	23.55	N/A
		1	49	N/A	23.39	N/A	N/A	23.16	N/A
			0	N/A	22.35	N/A	N/A	22.43	N/A
		25	12	N/A	22.36	N/A	N/A	22.42	N/A
			24	N/A	22.23	N/A	N/A	22.24	N/A
		50	0	N/A	22.34	N/A	N/A	22.36	N/A
	256QAM	1	0	N/A	20.51	N/A	N/A	20.59	N/A
			24	N/A	20.36	N/A	N/A	20.59	N/A
		1	49	N/A	20.22	N/A	N/A	20.10	N/A
			0	N/A	20.32	N/A	N/A	20.40	N/A
		25	12	N/A	20.34	N/A	N/A	20.39	N/A
			24	N/A	20.22	N/A	N/A	20.24	N/A
		50	0	N/A	20.29	N/A	N/A	20.34	N/A

8.5. 5G NR n26 (FCC Part 90S)

Test Engineer ID:	27957	Test Date:	2024-12-13
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OUTPUT POWER FOR 5G NR n26 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Ant 3			Ant 2		
				Conducted Average (dBm)			Conducted Average (dBm)		
				163300	163800	164300	163300	163800	164300
5.0	BPSK	1	0	24.20	25.10	25.12	23.70	24.62	24.65
			1	25.69	25.64	25.66	25.20	25.17	25.20
			23	25.61	25.59	25.58	24.93	24.82	24.87
			24	24.16	25.02	25.03	23.29	24.29	24.33
			6	25.70	25.70	25.70	25.07	25.05	25.11
			25	25.06	25.01	24.99	24.40	24.36	24.40
	QPSK	1	0	23.70	24.62	24.61	22.38	24.09	24.15
			1	25.68	25.66	25.62	24.61	25.20	25.17
			23	25.61	25.53	25.53	24.85	24.80	24.89
			24	23.63	24.55	24.54	22.83	23.75	23.87
			6	25.70	25.68	25.66	25.13	25.05	25.09
			25	24.60	24.58	24.53	24.01	23.92	24.03
	16QAM	1	0	22.60	23.50	23.48	21.44	23.06	23.06
			1	24.56	24.56	24.53	23.58	24.06	24.06
			23	24.52	24.48	24.52	23.80	23.69	23.88
			24	22.51	23.48	23.48	21.76	22.69	22.90
			6	24.43	24.51	24.47	23.96	23.85	23.92
			25	23.47	23.49	23.43	22.89	22.78	22.93
	64QAM	1	0	22.08	23.05	23.07	20.98	22.47	22.68
			1	23.12	23.09	22.98	22.13	22.50	22.69
			23	23.03	23.05	22.98	22.37	22.16	22.37
			24	22.09	22.96	22.94	21.21	22.14	22.21
			6	22.99	22.99	22.96	22.44	22.31	22.46
			25	22.98	22.94	22.95	22.43	22.25	22.42
	256QAM	1	0	20.08	20.96	20.97	19.35	20.44	20.66
			1	21.00	20.98	21.02	20.41	20.40	20.69
			23	20.92	20.91	20.94	20.24	20.06	20.19
			24	19.90	20.84	20.80	19.13	20.07	20.21
			6	21.00	20.94	20.97	20.45	20.24	20.47
			25	20.99	20.95	20.91	20.41	20.24	20.44

OUTPUT POWER FOR 5G NR n26 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Ant 3			Ant 2		
				Conducted Average (dBm)			Conducted Average (dBm)		
				N/A	163800	N/A	N/A	163800	N/A
10.0	BPSK	1	0		25.07			24.63	
			1		25.70			25.20	
			50		25.51			24.48	
			51		24.90			23.84	
			12		25.60			24.88	
			50		25.05			24.25	
	QPSK	1	0		24.62			23.42	
			1		25.70			24.56	
			50		25.54			24.49	
			51		24.42			23.37	
			12		25.64			24.85	
			50		24.56			23.80	
	16QAM	1	0		23.55			22.36	
			1		24.49			23.54	
			50		24.31			23.36	
			51		23.35			22.27	
			12		24.43			23.69	
			50		23.45			22.65	
	64QAM	1	0		22.92			21.88	
			1		23.06			22.10	
			50		22.79			21.80	
			51		22.82			21.69	
			12		22.89			22.13	
			50		22.91			22.14	
	256QAM	1	0		20.99			20.51	
			1		20.95			20.38	
			50		20.82			19.78	
			51		20.68			19.69	
			12		20.91			20.12	
			50		20.93			20.13	

8.6. LTE BAND 26 (FCC Part 22)

Test Engineer ID:	39004	Test Date:	2025-01-22
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OUTPUT POWER FOR LTE BAND 26 (1.4 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Ant 3			Ant 2		
				Conducted Average (dBm)			Conducted Average (dBm)		
				26797	26915	27033	26797	26915	27033
1.4	QPSK			824.7 MHz	836.5 MHz	848.3 MHz	824.7 MHz	836.5 MHz	848.3 MHz
		1	0	25.45	25.70	25.70	25.20	25.15	25.19
		1	2	25.53	25.68	25.49	25.08	25.02	24.86
		1	5	25.52	25.59	25.20	25.07	24.82	24.22
		3	0	25.67	25.65	25.51	25.13	25.20	25.02
		3	1	25.70	25.63	25.45	25.13	25.02	24.73
		3	2	25.67	25.62	25.32	25.12	24.90	24.47
		6	0	25.45	24.71	24.48	24.23	24.09	23.81
		1	0	24.65	23.93	23.96	24.36	24.33	24.33
		1	2	24.66	23.85	23.72	24.37	24.26	24.10
		1	5	24.68	23.82	23.47	24.36	24.06	23.57
		3	0	24.55	23.81	23.71	24.28	24.37	24.24
	16QAM	3	1	24.55	23.76	23.58	24.33	24.24	23.99
		3	2	24.58	23.73	23.48	24.32	24.10	23.73
		6	0	23.52	22.74	22.55	23.30	23.21	23.01
		1	0	23.66	23.03	22.90	23.37	23.61	23.84
		1	2	23.75	22.93	22.71	23.34	23.50	23.60
		1	5	23.72	22.81	22.37	23.26	23.25	22.96
		3	0	23.61	22.86	22.88	23.42	23.51	23.60
		3	1	23.62	22.81	22.75	23.42	23.39	23.29
		3	2	23.64	22.79	22.61	23.41	23.25	23.04
		6	0	22.58	21.75	21.67	22.34	22.29	22.28
		1	0	20.55	19.84	19.98	20.56	20.42	20.70
		1	2	20.70	19.84	19.85	20.55	20.45	20.66
		1	5	20.55	19.73	19.52	20.43	20.32	20.28
		3	0	20.60	19.76	19.97	20.35	20.59	21.11
		3	1	20.60	19.72	19.78	20.33	20.45	20.81
		3	2	20.56	19.67	19.66	20.32	20.31	20.46
		6	0	20.49	19.64	19.69	20.33	20.36	20.56

OUTPUT POWER FOR LTE BAND 26 (3.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Ant 3			Ant 2		
				Conducted Average (dBm)			Conducted Average (dBm)		
				26805	26915	27025	26805	26915	27025
3.0	QPSK			825.5 MHz	836.5 MHz	847.5 MHz	825.5 MHz	836.5 MHz	847.5 MHz
		1	0	25.63	25.52	25.70	25.18	25.08	25.14
		1	7	25.70	25.70	25.59	25.20	25.20	25.20
		1	14	25.57	25.64	24.98	25.03	24.90	24.39
		8	0	25.44	25.28	25.29	24.49	24.37	24.37
		8	4	25.47	25.12	24.85	24.48	24.34	24.41
		8	7	25.47	25.15	24.57	24.43	24.32	24.41
		15	0	25.47	25.17	24.96	24.45	24.35	24.38
		1	0	24.62	24.46	24.50	24.67	24.55	24.42
		1	7	24.63	24.37	23.92	24.65	24.51	24.65
		1	14	24.47	24.24	23.25	24.53	24.21	23.78
		8	0	23.49	23.23	23.44	23.55	23.39	23.40
	16QAM	8	4	23.52	23.19	22.99	23.52	23.44	23.47
		8	7	23.48	23.18	22.64	23.49	23.38	23.50
		15	0	23.45	23.22	22.99	23.50	23.48	23.37
		1	0	23.67	23.49	23.75	23.64	23.61	23.49
		1	7	23.73	23.46	23.18	23.70	23.65	23.77
		1	14	23.57	23.27	22.40	23.52	23.28	23.26
		8	0	22.49	22.39	22.55	22.56	22.43	22.38
		8	4	22.52	22.27	22.13	22.58	22.44	22.49
		8	7	22.48	22.20	21.77	22.53	22.40	22.54
		15	0	22.46	22.27	22.06	22.53	22.49	22.40
		1	0	20.43	20.37	20.52	20.49	20.46	20.41
		1	7	20.61	20.39	20.31	20.66	20.62	20.64
	256QAM	1	14	20.41	20.19	19.59	20.35	20.54	20.53
		8	0	20.44	20.33	20.53	20.53	20.40	20.40
		8	4	20.49	20.22	20.23	20.51	20.38	20.44
		8	7	20.51	20.26	19.85	20.47	20.48	20.52
		15	0	20.44	20.21	20.19	20.50	20.47	20.42

OUTPUT POWER FOR LTE BAND 26 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Ant 3			Ant 2		
				Conducted Average (dBm)			Conducted Average (dBm)		
				26815	26915	27015	26815	26915	27015
				826.5 MHz	836.5 MHz	846.5 MHz	826.5 MHz	836.5 MHz	846.5 MHz
5.0	QPSK	1	0	25.66	25.59	25.57	25.20	25.20	25.09
		1	12	25.66	25.70	25.68	25.09	25.04	25.20
		1	24	25.62	25.58	25.10	24.90	24.54	24.47
		12	0	25.42	25.30	25.31	24.36	24.39	24.32
		12	6	25.47	25.14	25.41	24.42	24.42	24.46
		12	11	25.42	25.07	24.88	24.30	24.05	24.46
		25	0	25.40	25.09	25.33	24.35	24.35	24.43
		1	0	24.70	24.54	24.57	24.70	24.70	24.54
	16QAM	1	12	24.64	24.39	24.70	24.52	24.51	24.69
		1	24	24.66	23.91	23.49	24.44	23.83	23.94
		12	0	23.43	23.31	23.34	23.31	23.34	23.34
		12	6	23.49	23.12	23.43	23.41	23.40	23.48
		12	11	23.46	23.07	22.90	23.30	23.01	23.49
		25	0	23.45	23.12	23.37	23.37	23.47	23.44
		1	0	23.86	23.55	23.51	23.78	23.82	23.58
		1	12	23.77	23.42	23.75	23.70	23.79	23.70
	64QAM	1	24	23.68	22.88	22.56	23.54	23.09	23.30
		12	0	22.49	22.30	22.32	22.37	22.47	22.37
		12	6	22.52	22.16	22.37	22.40	22.51	22.52
		12	11	22.43	22.07	22.03	22.30	22.29	22.49
		25	0	22.43	22.25	22.36	22.39	22.51	22.45
		1	0	20.60	20.38	20.39	20.54	20.45	20.39
		1	12	20.69	20.47	20.64	20.56	20.66	20.59
		1	24	20.47	19.97	19.98	20.31	20.29	20.65
	256QAM	12	0	20.45	20.30	20.34	20.35	20.45	20.34
		12	6	20.49	20.17	20.41	20.41	20.49	20.49
		12	11	20.43	20.14	20.18	20.32	20.31	20.47
		25	0	20.43	20.15	20.35	20.38	20.46	20.43

OUTPUT POWER FOR LTE BAND 26 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Ant 3			Ant 2		
				Conducted Average (dBm)			Conducted Average (dBm)		
				26840	26915	26990	26840	26915	26990
				829.0 MHz	836.5 MHz	844.0 MHz	829.0 MHz	836.5 MHz	844.0 MHz
10.0	QPSK	1	0	25.61	25.39	25.50	25.20	25.20	24.64
		1	24	25.70	25.56	25.70	25.02	25.07	25.20
		1	49	25.66	25.70	25.52	24.86	24.60	24.97
		25	0	25.39	25.21	25.35	24.43	24.39	23.67
		25	12	25.52	25.23	25.54	24.47	24.43	24.54
		25	24	25.55	25.31	25.58	24.34	23.72	24.61
		50	0	25.50	25.30	25.52	24.42	24.45	24.28
		1	0	24.53	24.33	24.35	24.76	24.65	23.88
	16QAM	1	24	24.58	24.42	24.70	24.51	24.54	24.57
		1	49	24.64	24.68	23.62	24.33	24.02	24.36
		25	0	23.41	23.24	23.35	23.47	23.44	22.59
		25	12	23.54	23.26	23.58	23.48	23.51	23.58
		25	24	23.55	23.26	23.64	23.39	22.70	23.63
		50	0	23.50	23.32	23.53	23.46	23.50	23.57
		1	0	23.69	23.54	23.50	23.77	23.65	23.22
		1	24	23.71	23.60	23.80	23.51	23.61	23.65
	64QAM	1	49	23.80	23.54	23.01	23.34	22.82	23.66
		25	0	22.43	22.21	22.36	22.48	22.44	21.60
		25	12	22.55	22.20	22.57	22.47	22.51	22.58
		25	24	22.57	22.31	22.63	22.34	21.73	22.66
		50	0	22.51	22.35	22.53	22.45	22.49	22.42
		1	0	20.49	20.33	20.34	20.67	20.57	20.36
		1	24	20.63	20.47	20.68	20.45	20.54	20.67
		1	49	20.62	20.23	20.32	20.26	20.25	20.77
	256QAM	25	0	20.43	20.21	20.35	20.46	20.45	19.58
		25	12	20.54	20.32	20.54	20.47	20.52	20.55
		25	24	20.55	20.30	20.60	20.34	19.82	20.62
		50	0	20.51	20.32	20.50	20.45	20.48	20.45

8.7. 5G NR n26 (FCC Part 22)

Test Engineer ID:	32188	Test Date:	2024-12-13
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OUTPUT POWER FOR 5G NR n26 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Ant 3			Ant 2		
				Conducted Average (dBm)			Conducted Average (dBm)		
				165300	167300	169300	165300	167300	169300
5.0	BPSK			826.5 MHz	836.5 MHz	846.5 MHz	826.5 MHz	836.5 MHz	846.5 MHz
		1	0	24.20	24.86	25.02	23.70	24.66	24.57
		1	1	25.31	25.45	25.61	25.20	25.20	25.09
		1	23	25.31	25.64	25.70	25.04	25.06	25.16
		1	24	24.14	25.10	25.09	23.61	24.56	24.64
		12	6	25.37	25.56	25.70	25.15	25.07	25.15
	QPSK	25	0	24.71	24.91	25.04	24.52	24.51	24.52
		1	0	23.68	24.37	24.53	23.33	24.07	24.05
		1	1	25.37	25.42	25.63	25.19	25.08	25.07
		1	23	25.28	25.62	24.92	25.00	25.07	25.11
		1	24	23.69	24.57	23.86	23.06	24.01	24.16
		12	6	25.43	25.56	25.68	25.14	25.07	25.20
	16QAM	25	0	24.31	24.46	24.55	24.06	23.99	24.10
		1	0	22.70	23.21	23.42	22.13	22.94	23.01
		1	1	24.27	24.28	24.44	24.08	24.01	24.04
		1	23	24.40	24.50	24.21	23.90	24.07	23.96
		1	24	22.62	23.47	23.12	21.95	22.88	23.14
		12	6	24.32	24.34	24.53	23.91	23.93	24.00
	64QAM	25	0	23.24	23.34	23.51	22.88	22.86	22.93
		1	0	22.17	22.81	22.94	21.65	22.60	22.42
		1	1	22.88	22.83	22.96	22.60	22.49	22.42
		1	23	22.78	22.95	22.95	22.38	22.52	22.53
		1	24	22.13	22.95	22.66	21.48	22.44	22.65
		12	6	22.81	22.82	23.13	22.52	22.41	22.47
	256QAM	25	0	22.75	22.82	23.07	22.40	22.42	22.44
		1	0	20.24	20.78	21.00	19.65	20.52	20.32
		1	1	20.73	20.74	21.06	20.50	20.52	20.41
		1	23	20.63	20.87	21.19	20.31	20.31	20.54
		1	24	20.07	20.79	21.06	19.42	20.29	20.50
		12	6	20.77	20.81	21.06	20.42	20.43	20.47
		25	0	20.73	20.81	21.03	20.42	20.42	20.47

OUTPUT POWER FOR 5G NR n26 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Ant 3			Ant 2		
				Conducted Average (dBm)			Conducted Average (dBm)		
				165800	167300	168800	165800	167300	168800
10.0	BPSK			829.0 MHz	836.5 MHz	844.0 MHz	829.0 MHz	836.5 MHz	844.0 MHz
		1	0	24.73	24.67	24.60	24.58	24.58	24.52
		1	1	25.33	25.34	25.23	25.13	25.20	25.15
		1	50	25.49	25.67	25.70	24.86	25.00	25.20
		1	51	24.90	25.06	25.14	24.21	24.41	24.57
		25	12	25.39	25.39	25.43	24.94	25.02	25.14
	QPSK	50	0	24.81	24.79	24.80	24.43	24.48	24.55
		1	0	24.32	24.19	24.04	24.11	24.04	23.93
		1	1	25.36	25.29	25.22	25.20	25.18	25.00
		1	50	25.50	25.70	24.99	24.91	24.99	25.19
		1	51	24.41	24.55	23.92	23.77	23.95	24.10
		25	12	25.42	25.35	25.45	25.05	25.12	25.05
	16QAM	50	0	24.31	24.30	24.35	23.95	24.02	23.93
		1	0	23.20	23.07	22.85	23.20	23.02	22.84
		1	1	24.16	24.09	23.86	24.07	23.96	23.78
		1	50	24.14	24.55	24.00	23.63	23.81	23.77
		1	51	23.22	23.51	23.16	22.68	22.80	22.97
		25	12	24.14	24.17	24.23	23.89	23.87	23.85
	64QAM	50	0	23.24	23.31	23.26	22.90	22.91	22.85
		1	0	22.65	22.48	22.43	22.57	22.57	22.20
		1	1	22.67	22.63	22.35	22.63	22.51	22.40
		1	50	22.70	23.10	22.54	22.23	22.43	22.56
		1	51	22.68	23.10	22.52	22.12	22.58	22.48
		25	12	22.62	22.67	22.82	22.45	22.45	22.39
	256QAM	50	0	22.66	22.75	22.81	22.44	22.46	22.40
		1	0	20.66	20.56	20.48	20.71	20.59	20.33
		1	1	20.70	20.63	20.37	20.57	20.64	20.35
		1	50	20.57	20.97	20.93	20.14	20.36	20.29
		1	51	20.62	21.05	20.87	20.15	20.47	20.37
		25	12	20.66	20.65	20.78	20.41	20.41	20.39
		50	0	20.65	20.68	20.76	20.37	20.43	20.44

OUTPUT POWER FOR 5G NR n26 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Ant 3			Ant 2		
				Conducted Average (dBm)			Conducted Average (dBm)		
				166300	167300	168300	166300	167300	168300
				831.5 MHz	836.5 MHz	841.5 MHz	831.5 MHz	836.5 MHz	841.5 MHz
15.0	BPSK	1	0	25.42	25.56	25.63	25.09	25.07	25.03
		1	1	25.62	25.63	25.64	25.07	25.14	25.20
		1	77	25.57	25.64	25.67	25.05	25.07	25.08
		1	78	25.48	25.52	25.59	24.94	25.05	24.74
		36	18	25.60	25.60	25.70	25.18	25.15	25.10
		75	0	25.41	25.55	25.54	24.93	25.03	24.91
	QPSK	1	0	25.37	25.37	25.39	24.42	24.62	24.28
		1	1	25.70	25.69	25.69	25.20	25.20	25.07
		1	77	25.64	25.70	25.54	24.56	24.60	24.42
		1	78	24.91	24.89	24.55	23.56	23.61	23.34
		36	18	25.58	25.62	25.70	25.11	25.08	24.72
		75	0	25.26	25.31	25.21	24.46	24.16	23.97
	16QAM	1	0	24.15	24.16	24.30	23.49	23.51	23.37
		1	1	24.56	24.55	24.48	24.56	24.78	24.24
		1	77	24.92	24.94	24.57	23.75	23.61	23.53
		1	78	23.92	24.66	23.50	22.64	22.56	22.50
		36	18	24.25	24.85	24.58	24.55	24.20	23.67
		75	0	24.16	24.29	24.16	23.45	23.20	22.96
	64QAM	1	0	23.83	23.74	23.96	22.97	23.16	22.79
		1	1	23.77	23.72	23.83	23.20	23.09	22.80
		1	77	23.66	23.43	23.21	22.26	22.20	22.10
		1	78	23.42	23.32	23.18	22.27	22.18	22.05
		36	18	23.56	23.74	23.48	23.17	22.76	22.19
		75	0	23.70	23.66	23.67	22.99	22.73	22.48
256QAM	1	0	21.81	21.84	21.96	21.34	21.35	21.36	
	1	1	21.63	21.93	21.77	21.44	21.49	21.34	
	1	77	21.79	21.89	21.61	20.86	20.63	20.67	
	1	78	21.67	21.88	21.62	20.81	20.78	20.64	
	36	18	21.67	21.74	21.74	21.20	21.16	20.73	
	75	0	21.74	21.74	21.79	21.19	21.14	20.87	

OUTPUT POWER FOR 5G NR n26 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Ant 3			Ant 2		
				Conducted Average (dBm)			Conducted Average (dBm)		
				166800	167300	167800	166800	167300	167800
20.0	BPSK	1	0	25.44	25.43	25.51	25.04	25.03	25.07
		1	1	25.58	25.56	25.64	25.16	25.10	25.16
		1	104	25.56	25.53	25.66	25.09	25.08	25.10
		1	105	25.47	25.51	25.52	24.87	25.01	24.80
		50	25	25.53	25.50	25.54	25.04	25.02	25.13
		100	0	25.52	25.54	25.59	25.08	25.14	25.16
	QPSK	1	0	25.31	25.23	25.32	24.51	24.46	24.69
		1	1	25.70	25.60	25.70	25.20	25.20	25.20
		1	104	25.61	25.70	25.25	24.43	24.64	24.55
		1	105	24.85	24.79	24.13	23.43	23.61	23.48
		50	25	25.52	25.62	25.66	24.97	25.11	24.93
		100	0	25.39	25.20	25.04	24.17	24.22	24.32
	16QAM	1	0	23.76	23.80	23.86	23.51	23.41	23.70
		1	1	24.71	24.59	24.67	24.51	24.65	24.80
		1	104	24.42	24.30	23.64	23.43	23.61	23.68
		1	105	23.34	23.14	22.62	22.45	22.70	22.70
		50	25	24.65	24.64	24.41	24.39	24.18	24.00
		100	0	23.70	23.71	23.60	23.26	23.19	23.32
	64QAM	1	0	23.29	23.25	23.12	22.98	22.93	23.23
		1	1	23.14	23.39	23.14	23.03	23.00	23.19
		1	104	22.93	22.54	22.12	21.95	22.17	22.17
		1	105	22.84	22.67	22.08	22.01	22.18	22.16
		50	25	23.26	23.22	23.01	22.92	22.73	22.56
		100	0	23.26	23.16	23.15	22.78	22.73	22.81
256QAM	1	0	21.24	21.15	21.35	21.29	21.27	21.35	
	1	1	21.22	21.27	21.24	21.17	21.30	21.34	
	1	104	21.06	20.98	20.74	20.41	20.75	20.64	
	1	105	21.06	21.08	20.77	20.53	20.62	20.78	
	50	25	21.18	21.24	21.20	21.15	21.11	21.04	
	100	0	21.24	21.24	21.20	21.13	21.13	21.31	

9. CONDUCTED TEST RESULTS

9.1. OCCUPIED BANDWIDTH

RULE PART(S)

FCC: §2.1049
ISED: RSS132

LIMITS

For reporting purposes only.

TEST PROCEDURE

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at the middle channel in each band. The 99% and -26dB bandwidths was also measured and recorded.

RESULTS

There is no limit required and power is the same for low, middle and high channel; therefore, only middle channel was tested.

LTE BAND 5

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 5	1.4MHz, QPSK	6/0	836.5	1.094	1.375
	1.4MHz, 16QAM			1.100	1.439
	3MHz, QPSK	15/0		2.707	3.066
	3MHz, 16QAM			2.701	3.068
	5MHz, QPSK	25/0		4.509	5.131
	5MHz, 16QAM			4.510	5.104
	10MHz, QPSK	50/0		9.009	9.983
	10MHz, 16QAM			8.981	9.962
	10MHz, QPSK	1/0		0.245	0.422

5G NR n5

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n5	5MHz, BPSK	25/0	836.5	4.498	5.089
	5MHz, QPSK			4.493	5.070
	5MHz, 16QAM			4.487	5.112
	10MHz, BPSK	50/0		8.993	9.878
	10MHz, QPSK			8.974	9.790
	10MHz, 16QAM			8.970	9.898
	15MHz, BPSK	75/0		13.467	14.530
	15MHz, QPSK			13.477	14.430
	15MHz, 16QAM			13.487	14.800
	20MHz, BPSK	100/0		17.985	21.270
	20MHz, QPSK			17.993	18.880
	20MHz, 16QAM			17.995	21.100
	20MHz, BPSK	1/0		0.240	0.419

ULCA LTE BAND 5

Band	Mode	RB Allocation/RB Offset	f (MHz)	99% BW (MHz)	- 26dB BW (MHz)
ULCA LTE BAND 5	3MHz + 5MHz BAND QPSK	15/0 + 25/0	836.5	7.495	8.136
	3MHz + 5MHz BAND 16QAM			7.493	8.055
	5MHz + 3MHz BAND QPSK	25/0 + 15/0		7.505	8.106
	5MHz + 3MHz BAND 16QAM			7.497	8.127
	5MHz + 10MHz BAND QPSK	25/0 + 50/0		13.879	14.760
	5MHz + 10MHz BAND 16QAM			13.838	14.700
	10MHz + 5MHz BAND QPSK	50/0 + 25/0		13.903	14.860
	10MHz + 5MHz BAND 16QAM			13.897	14.890
	10MHz + 10MHz BAND QPSK	50/0 + 50/0		18.774	19.960
	10MHz + 10MHz BAND 16QAM			18.771	19.950

LTE BAND 26(FCC PART 90S)

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 26	1.4MHz, QPSK	6/0	819.0	1.097	1.357
	1.4MHz, 16QAM			1.101	1.367
	3MHz, QPSK	15/0		2.699	3.067
	3MHz, 16QAM			2.706	3.064
	5MHz, QPSK	25/0		4.506	5.107
	5MHz, 16QAM			4.499	5.109
	10MHz, QPSK	50/0		8.961	10.010
	10MHz, 16QAM			8.984	9.986
	10MHz, QPSK	1/0		0.249	0.425

5G NR n26 (FCC PART 90S)

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n26 (Part 90S)	5MHz, BPSK	25/0	819.0	4.486	5.085
	5MHz, QPSK			4.477	5.073
	5MHz, 16QAM			4.488	5.130
	10MHz, BPSK	50/0		8.966	9.788
	10MHz, QPSK			8.990	9.673
	10MHz, 16QAM			8.947	9.719
	10MHz, BPSK	1/0		0.257	0.430

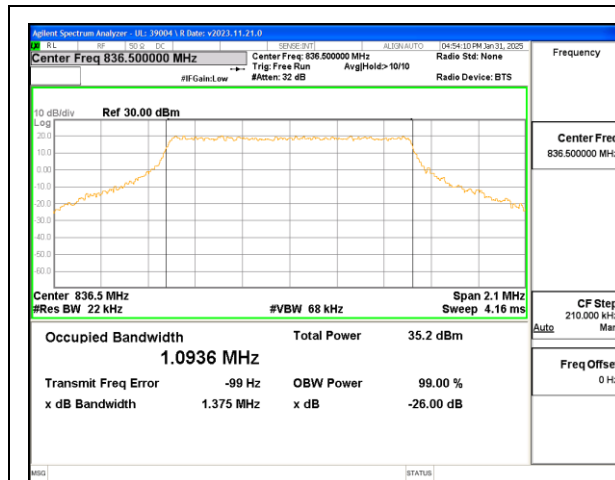
LTE BAND 26 (FCC PART 22)

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 26	1.4MHz, QPSK	6/0	836.5	1.091	1.353
	1.4MHz, 16QAM			1.095	1.362
	3MHz, QPSK	15/0		2.708	2.999
	3MHz, 16QAM			2.702	3.048
	5MHz, QPSK	25/0		4.502	5.140
	5MHz, 16QAM			4.501	5.105
	10MHz, QPSK	50/0		8.973	9.983
	10MHz, 16QAM			8.972	9.979
	10MHz, QPSK	1/0		0.249	0.451

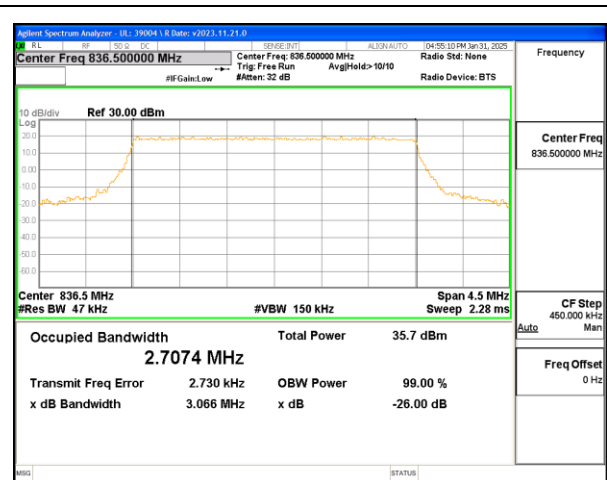
5G NR n26 (FCC PART 22)

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n26 (FCC Part 22)	5MHz, BPSK	25/0	836.5	4.484	5.058
	5MHz, QPSK			4.485	5.070
	5MHz, 16QAM			4.483	5.159
	10MHz, BPSK	50/0		8.954	9.762
	10MHz, QPSK			8.967	9.841
	10MHz, 16QAM			8.964	9.705
	15MHz, BPSK	75/0		13.472	14.460
	15MHz, QPSK			13.479	14.520
	15MHz, 16QAM			13.452	14.590
	20MHz, BPSK	100/0		17.912	19.140
	20MHz, QPSK			17.929	19.080
	20MHz, 16QAM			17.966	19.220
	20MHz, BPSK	1/0		0.259	0.431

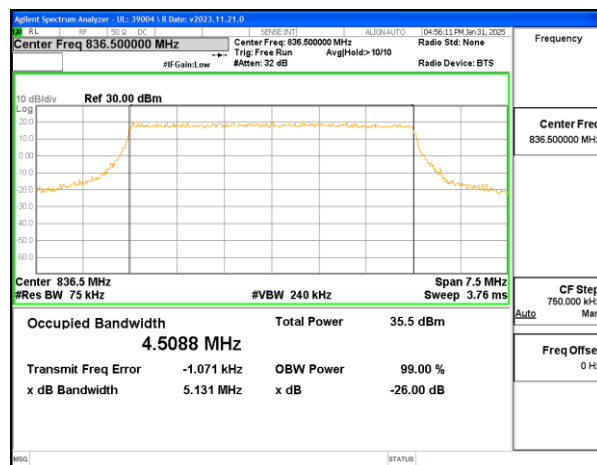
9.1.1. LTE BAND 5



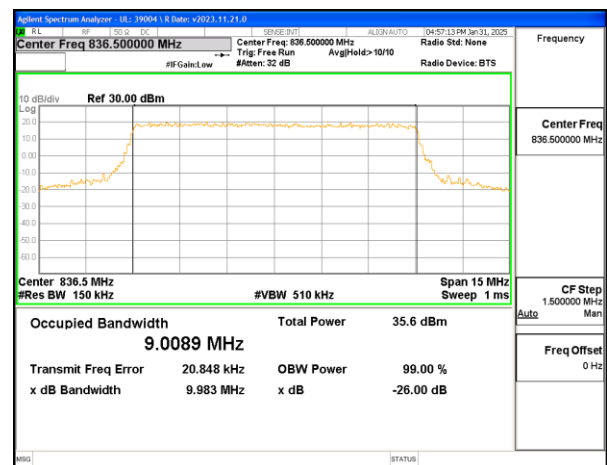
LTE B5 1.4MHz QPSK Middle Channel RB6-0



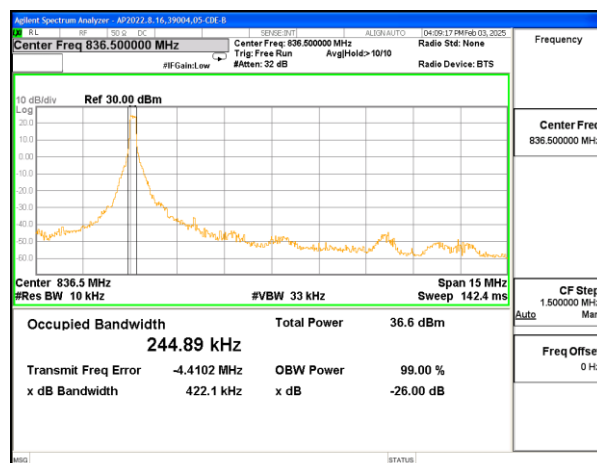
LTE B5 3MHz QPSK Middle Channel RB15-0



LTE B2 5MHz QPSK Middle Channel RB25-0



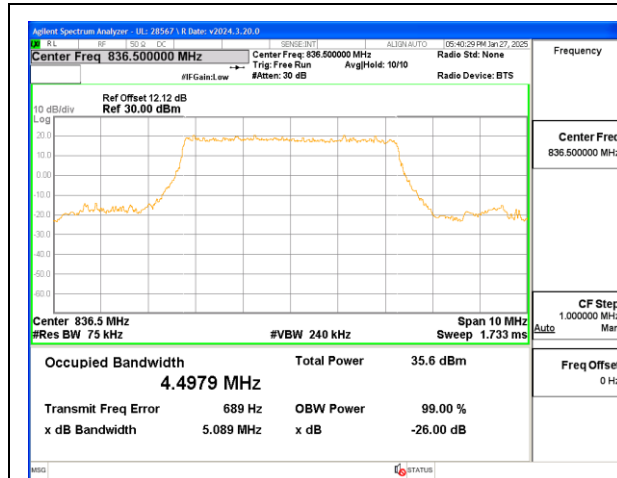
LTE B5 10MHz QPSK Middle Channel RB50-0



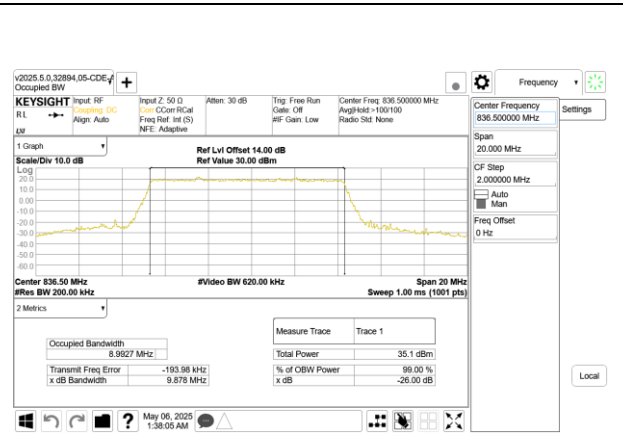
LTE B5 10MHz QPSK Middle Channel RB1-0

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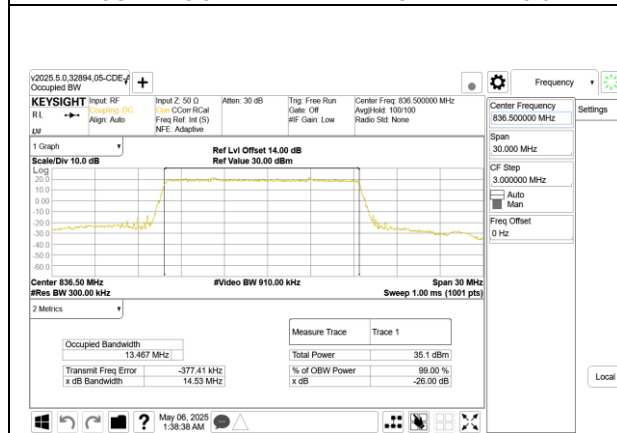
9.1.2. 5G NR n5



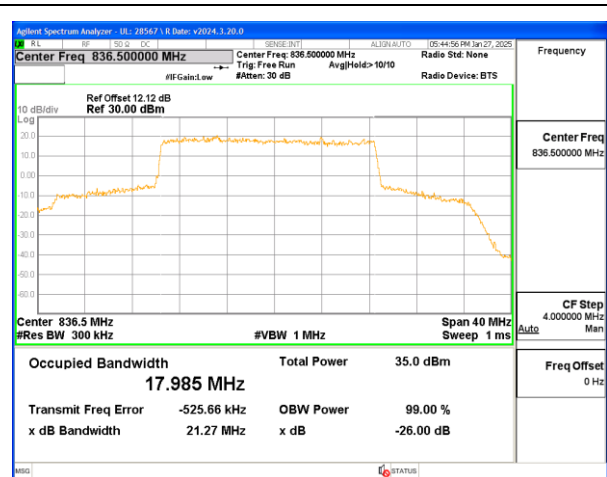
5G NR n5 5MHz BPSK Middle Channel RB25-0



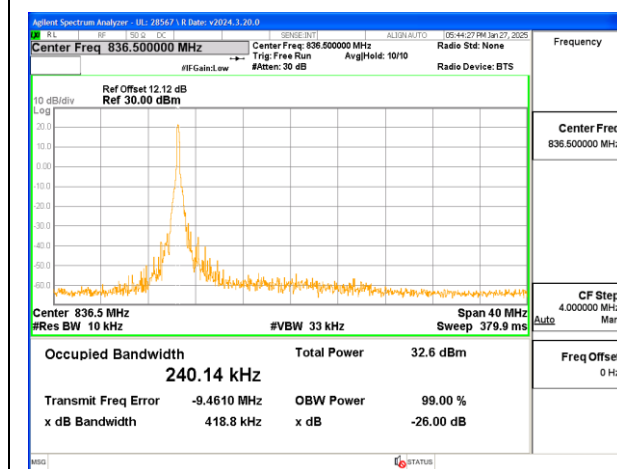
5G NR n5 10MHz BPSK Middle Channel RB50-0



5G NR n5 15MHz BPSK Middle Channel RB75-0



5G NR n5 20MHz BPSK Middle Channel RB100-0



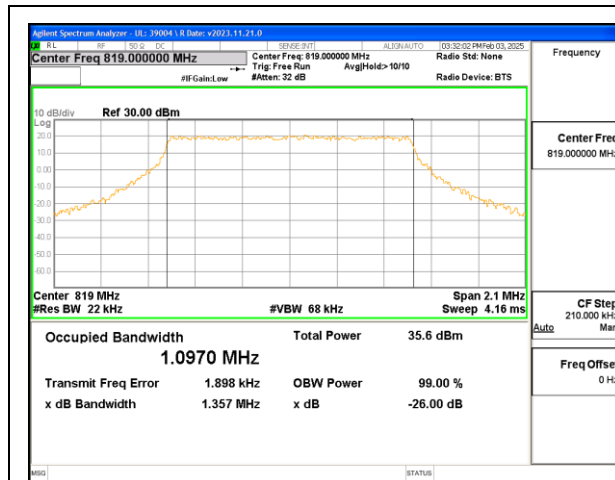
5G NR n5 20MHz BPSK Middle Channel RB1-0

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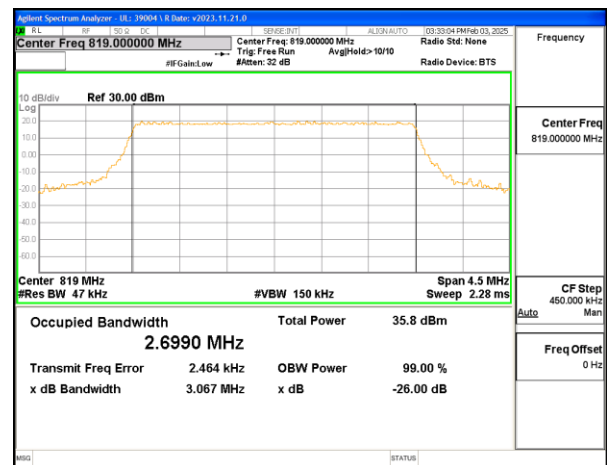
9.1.3. ULCA LTE BAND 5



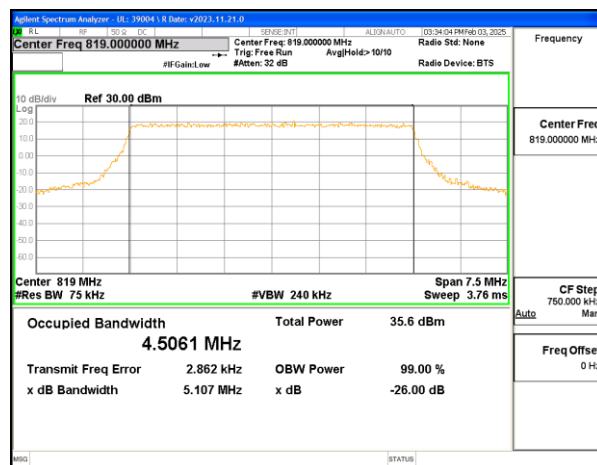
9.1.4. LTE BAND 26 (FCC PART 90S)



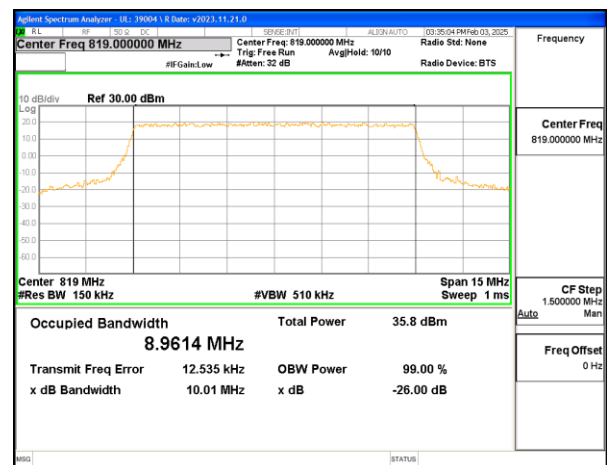
LTE B26 1.4MHz QPSK Middle Channel RB6-0



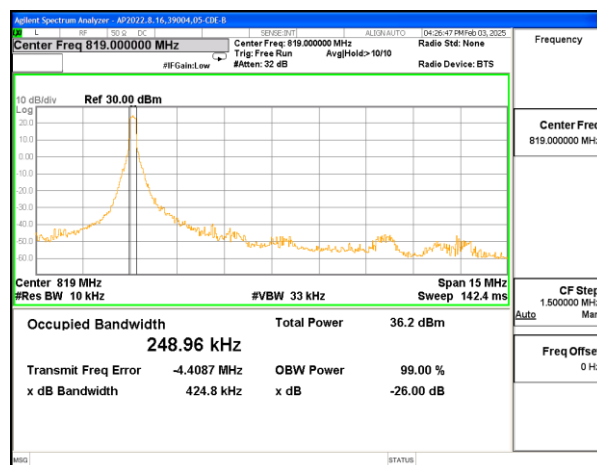
LTE B26 3MHz QPSK Middle Channel RB15-0



LTE B26 5MHz QPSK Middle Channel RB25-0



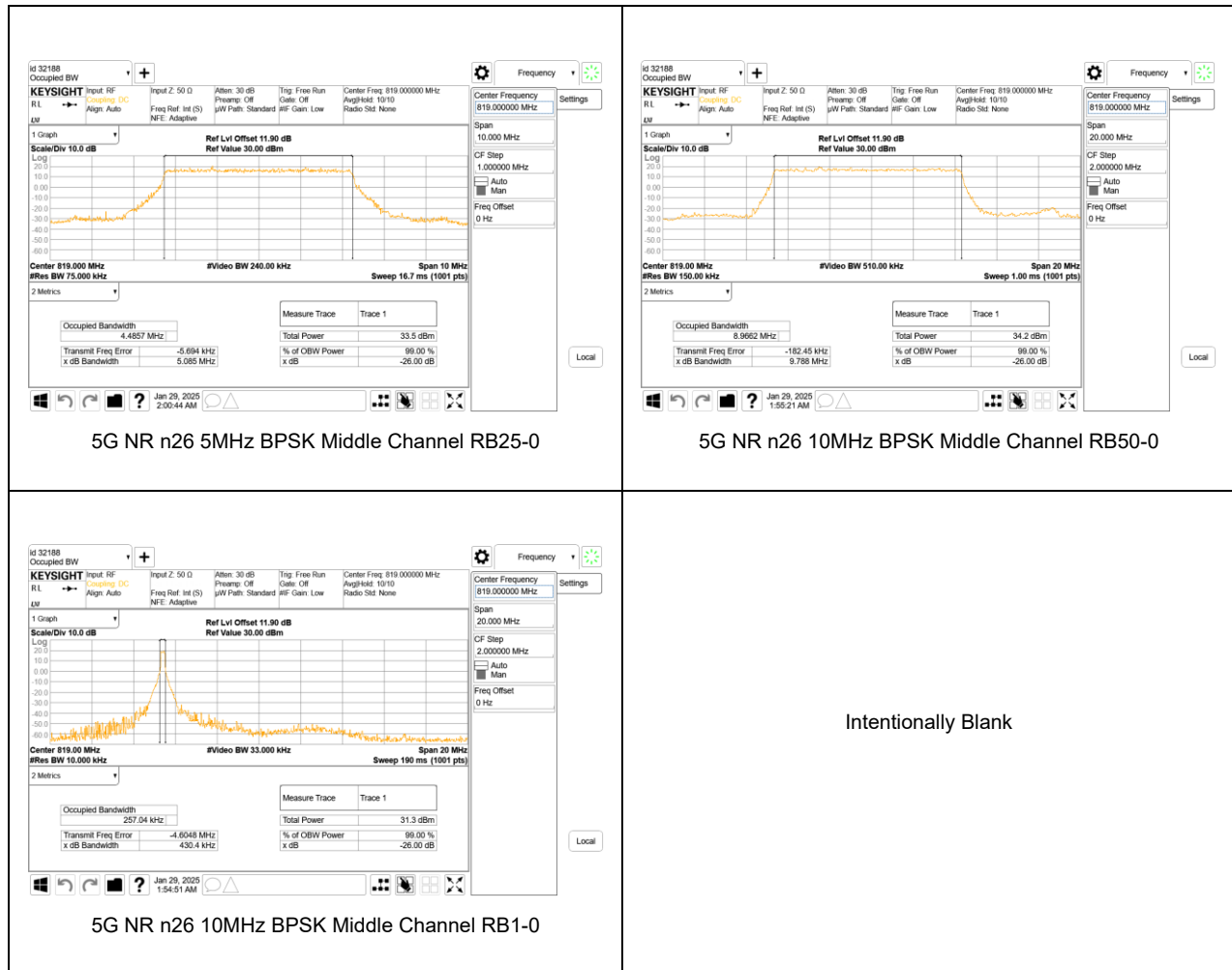
LTE B26 10MHz QPSK Middle Channel RB50-0



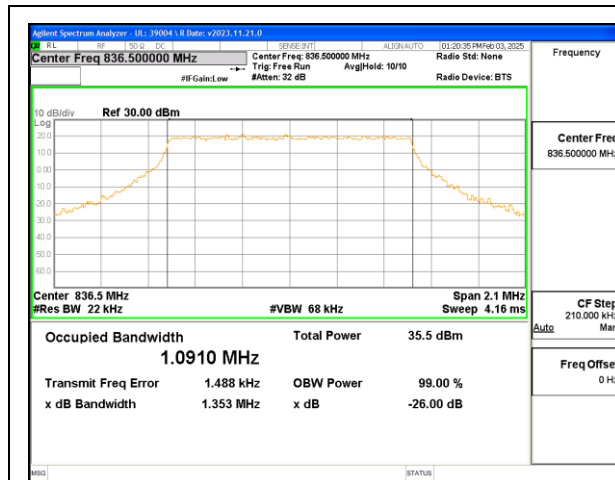
LTE B26 10MHz QPSK Middle Channel RB1-0

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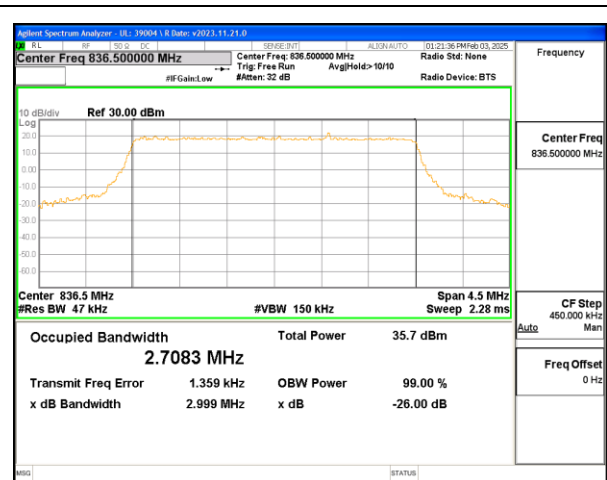
9.1.5. 5G NR n26 (FCC PART 90S)



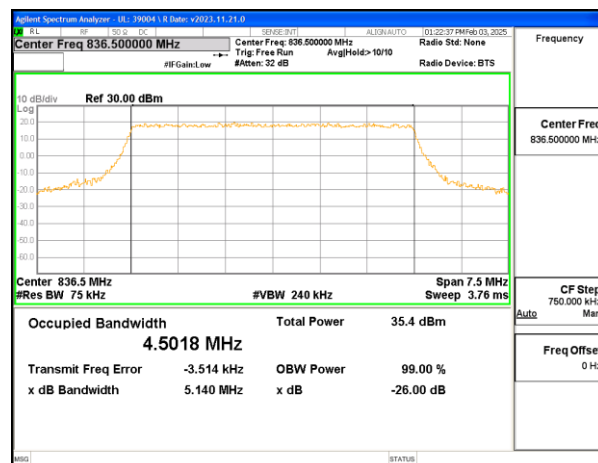
9.1.6. LTE BAND 26 (FCC PART 22)



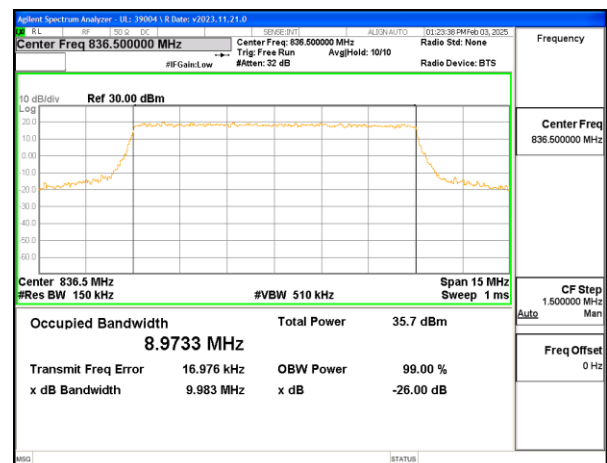
LTE B26 1.4MHz QPSK Middle Channel RB6-0



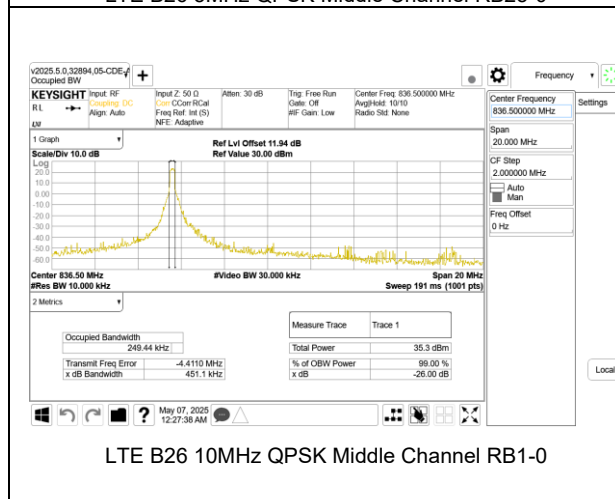
LTE B26 3MHz QPSK Middle Channel RB15-0



LTE B26 5MHz QPSK Middle Channel RB25-0



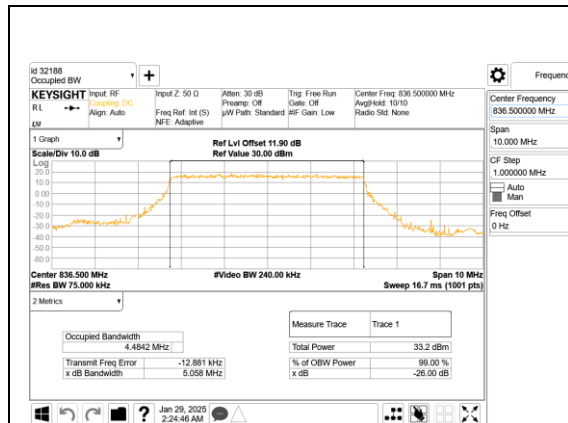
LTE B26 10MHz QPSK Middle Channel RB50-0



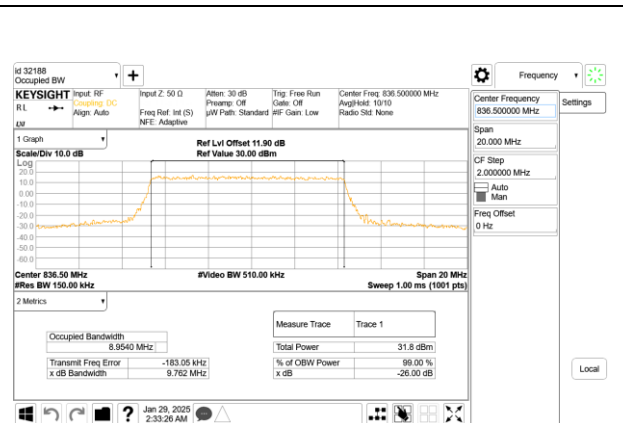
LTE B26 10MHz QPSK Middle Channel RB1-0

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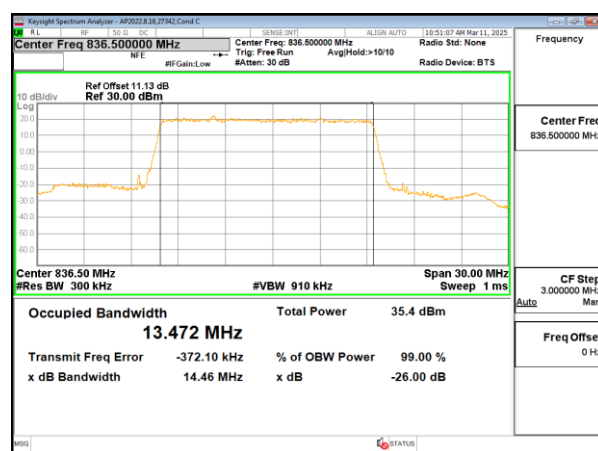
9.1.7. 5G NR n26 (FCC PART 22)



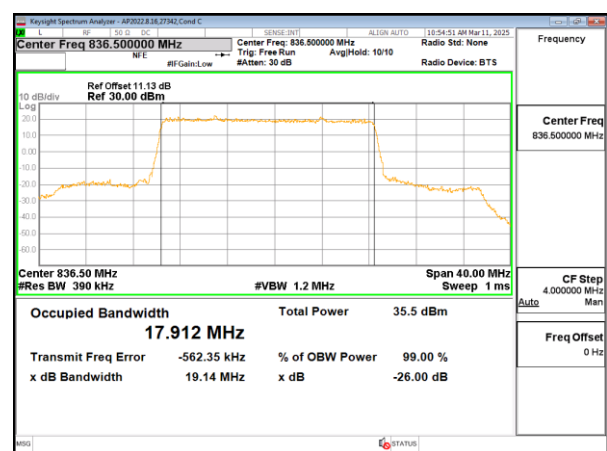
5G NR n26 5MHz BPSK Middle Channel RB25-0



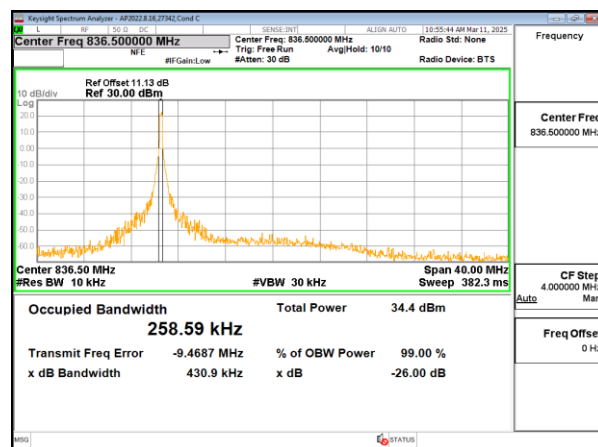
5G NR n26 10MHz BPSK Middle Channel RB50-0



5G NR n26 15MHz BPSK Middle Channel RB75-0



5G NR n26 20MHz BPSK Middle Channel RB100-0



5G NR n26 20MHz Middle High Channel RB1-0

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9.2. EMISSION MASK AND ADJACENT CHANNEL POWER

LIMITS

FCC: §22.917 (a)

The 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.

FCC: §90.691 Emission mask requirements for EA-based systems.

(a) Out-of-band emission requirement shall apply only to the “outer” channels included in an EA license and to spectrum adjacent to interior channels used by incumbent licensees. The emission limits are as follows:

(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $116 \log_{10}(f/6.1)$ decibels or $50 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

NOTE: According to 971168 D02 Misc Rev Approv License Devices v02r02, Section VIII (c):

For Section 90.691(a) compliance testing, use RBW = 300 Hz for offsets less than 37.5 kHz from a channel edge; RBW = 100 kHz for offsets greater than 37.5 kHz is allowed.

ISED: RSS132§5.5

Equipment shall meet the unwanted emission limits specified below:

- (i) In the first 1.0 MHz band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1% of the occupied bandwidth shall be attenuated below the transmitter output power P (dBW) by at least $43 + 10 \log(p)$ dB.
- (ii) After the first 1.0 MHz immediately outside and adjacent to each of the sub-bands, the power of emissions in any 100 kHz bandwidth shall be attenuated below the transmitter output power P (dBW) by at least $43 + 10 \log(p)$ dB. If the measurement is performed using 1% of the occupied bandwidth, power integration over 100 kHz is required.

p is the output power specified in watts.

TEST PROCEDURE

For Spectrum Emission Mask plots, the spectrum analyzer is configured to sweep with a moving integration window, the width of which can be adjusted to different sizes across the sweep. The window width is configured to be greater than or equal to the required reference bandwidth. The center frequencies of the integration window for the different integration windows was set such that the upper and lower edges of the windows are aligned with the transition points in the reference bandwidths. This is achieved by setting the start / stop frequencies of the window with an offset equal to the reference bandwidth / 2 from the transition point.

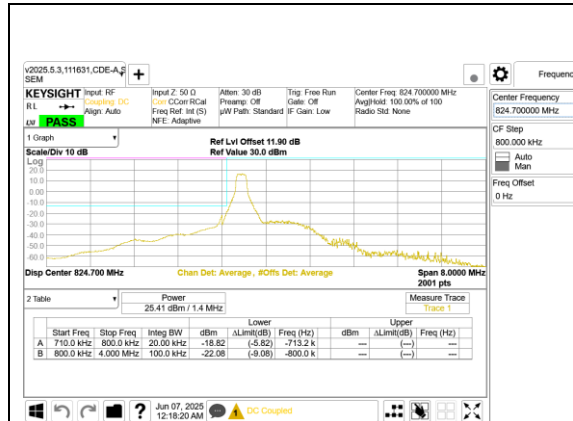
The transmitter output was connected to a base station simulator and configured to operate at maximum power. The band edge emissions were measured at the required operating frequencies in each band on the Spectrum Analyzer.

For each band edge measurement:

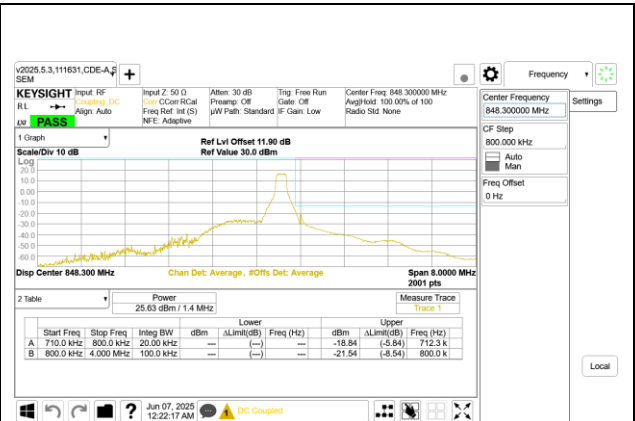
1. Set the spectrum analyzer span to include the block edge frequency.
2. Set a marker to point the corresponding band edge frequency in each test case.
3. Set display line at -13 dBm
4. Set resolution bandwidth to at least 1% of emission bandwidth.

RESULTS

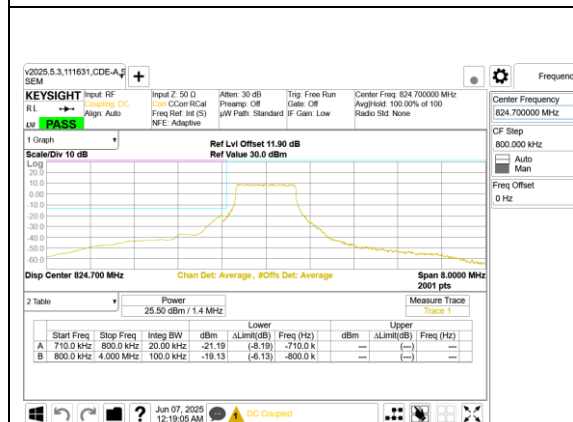
9.2.1. LTE BAND 5



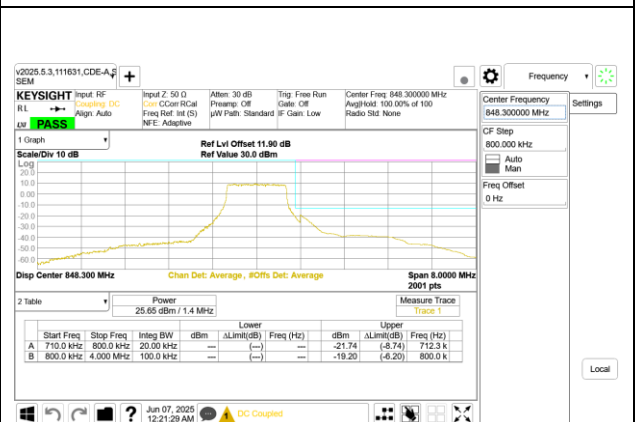
LTE B5 1.4MHz QPSK Low Channel RB1-0



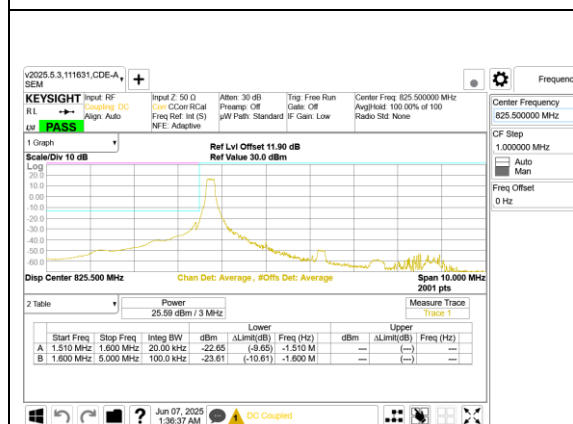
LTE B5 1.4MHz QPSK High Channel RB1-5



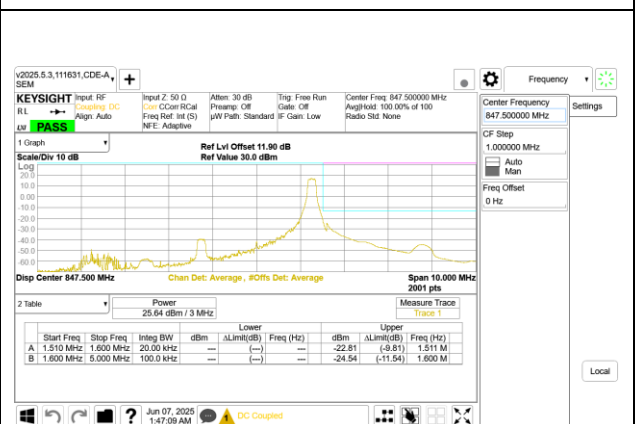
LTE B5 1.4MHz QPSK Low Channel RB6-0



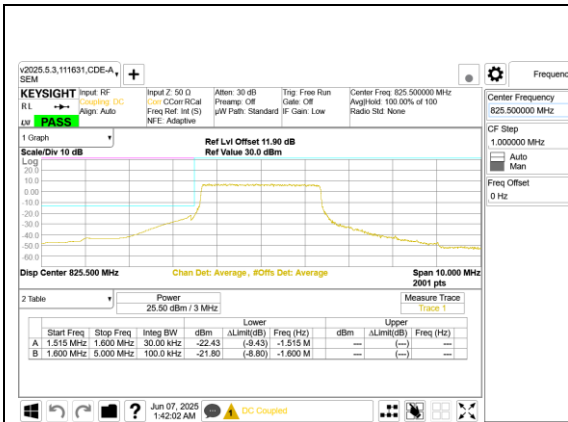
LTE B5 1.4MHz QPSK High Channel RB6-0



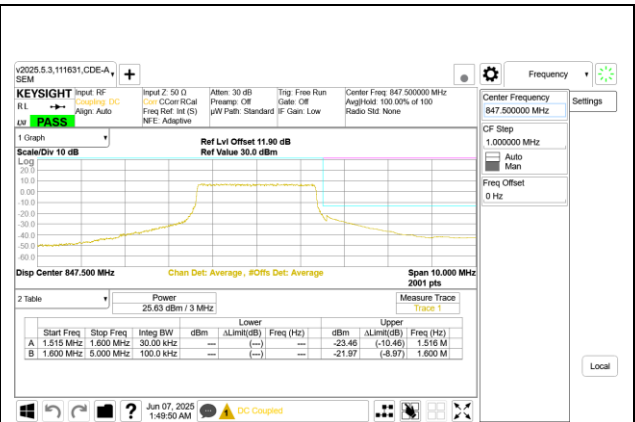
LTE B5 3MHz QPSK Low Channel RB1-0



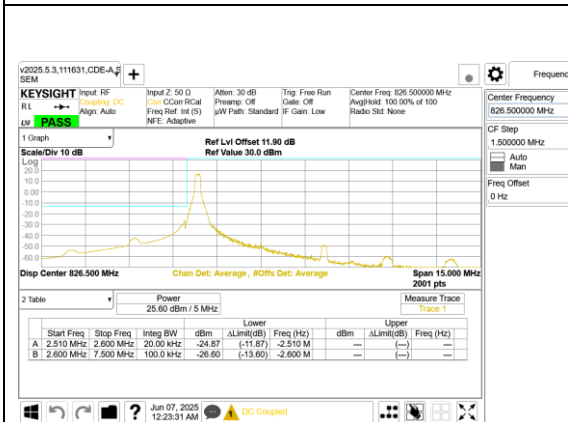
LTE B5 3MHz QPSK High Channel RB1-14



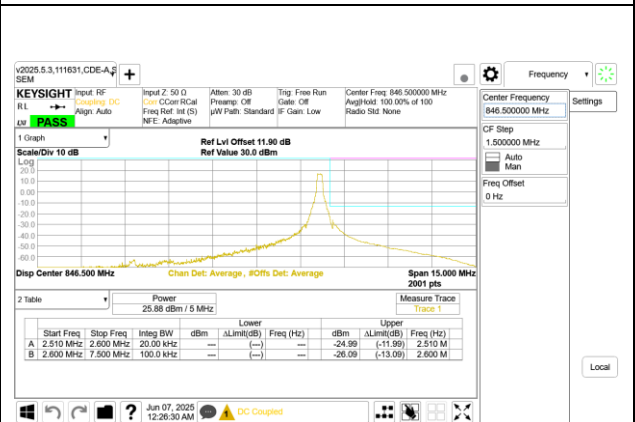
LTE B5 3MHz QPSK Low Channel RB15-0



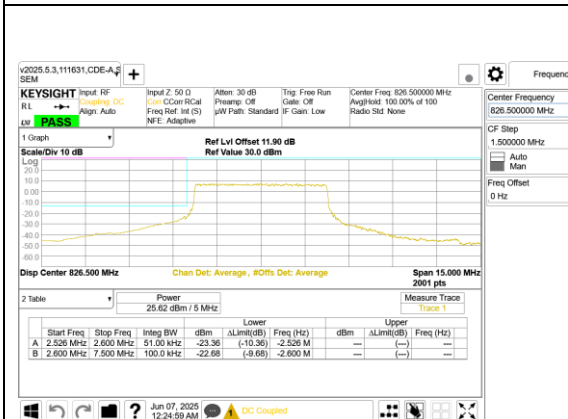
LTE B5 3MHz QPSK High Channel RB15-0



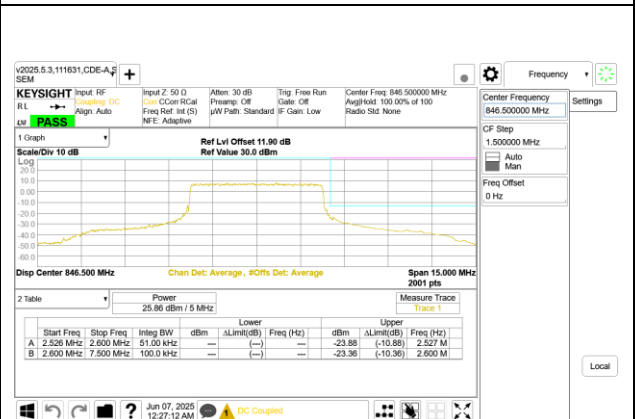
LTE B5 5MHz QPSK Low Channel RB1-0



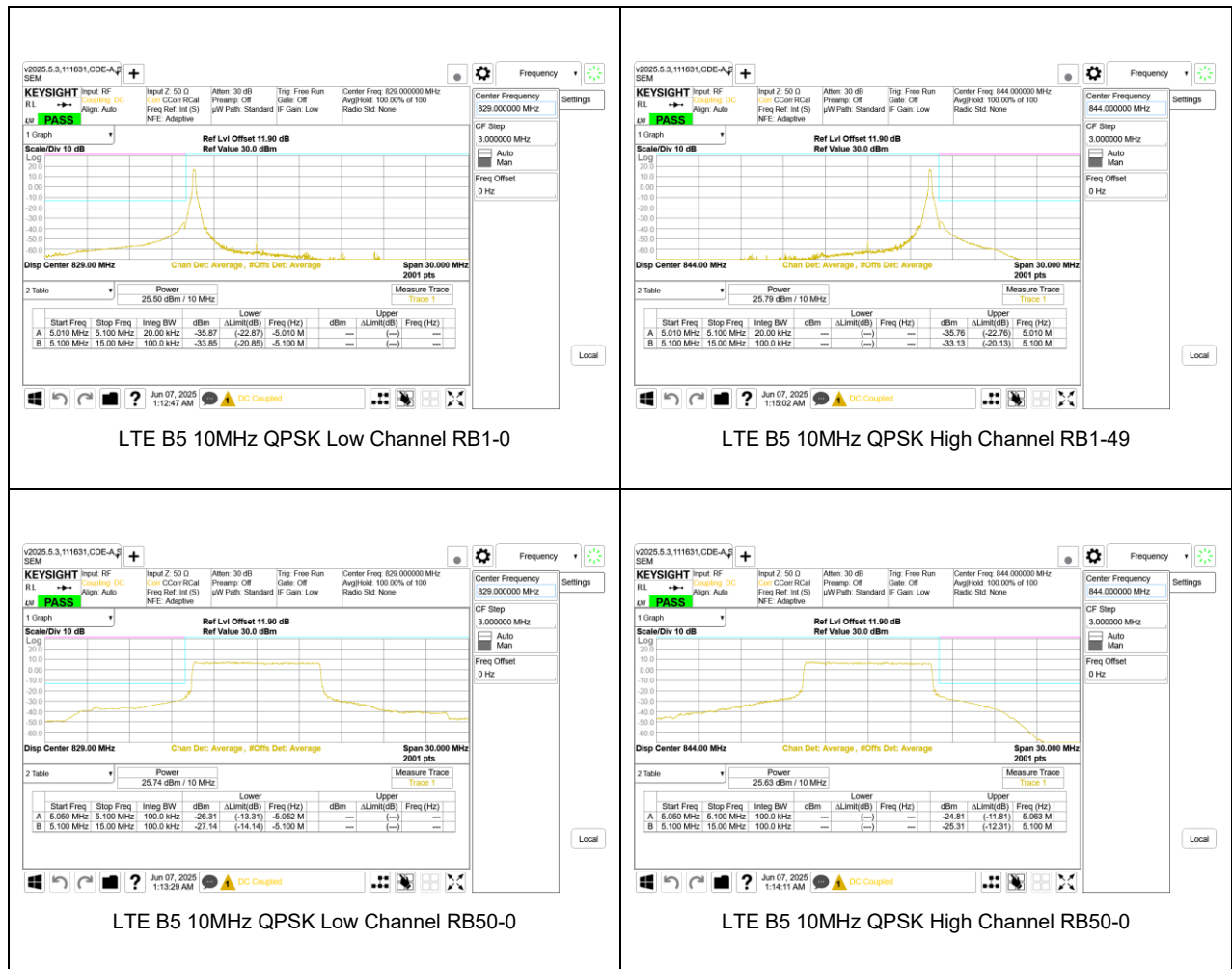
LTE B5 5MHz QPSK High Channel RB1-24



LTE B5 5MHz QPSK Low Channel RB25-0



LTE B5 5MHz QPSK High Channel RB25-0



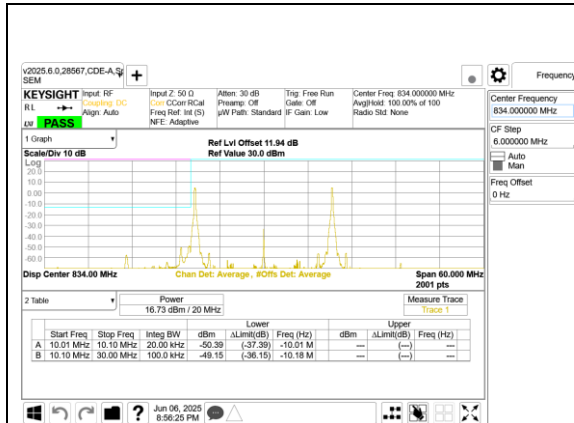
9.2.2. 5G NR n5



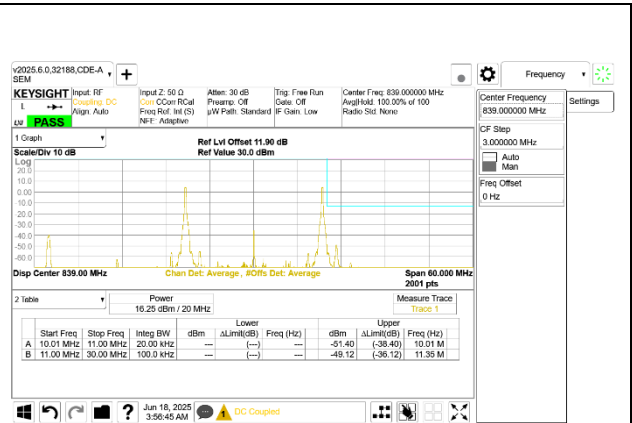




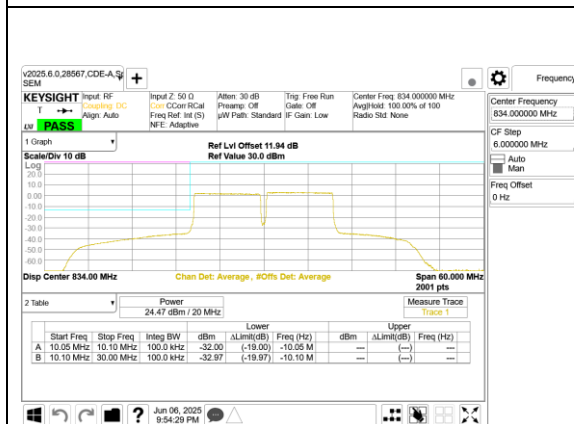
9.2.3. ULCA LTE BAND 5



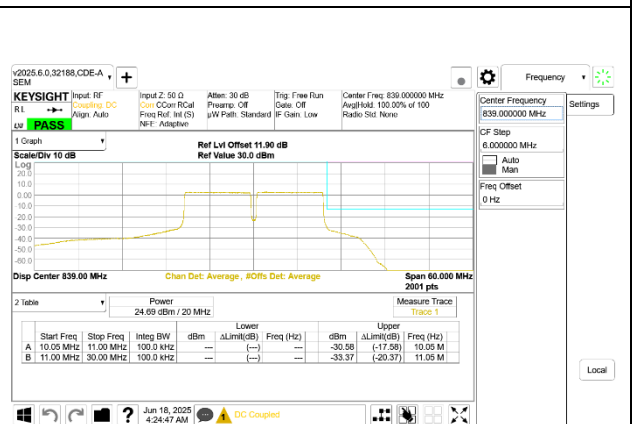
ULCA LTE B5 10MHz + 10MHz QPSK Low Ch RB1-0 + RB1-49



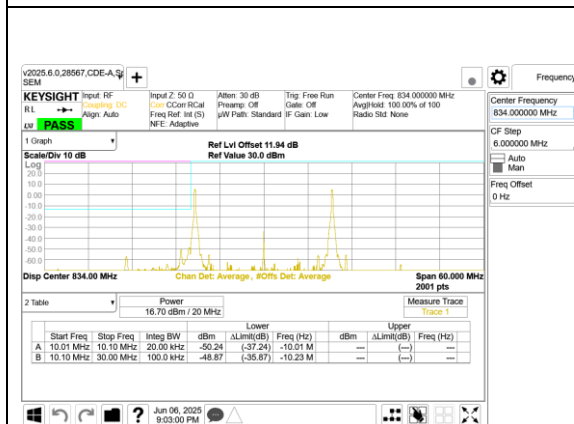
ULCA LTE B5 10MHz + 10MHz QPSK High Ch RB1-0 + RB1-49



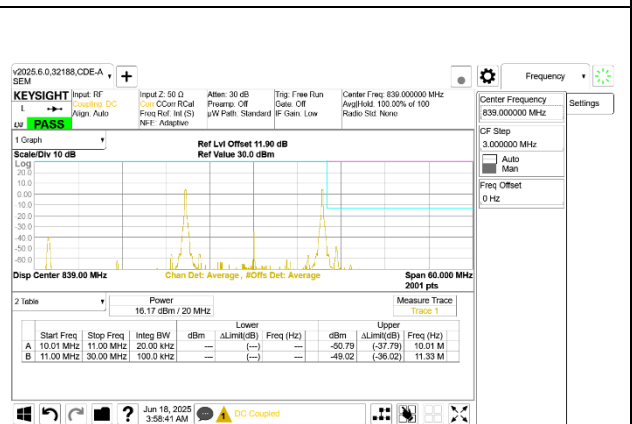
ULCA LTE B5 10MHz + 10MHz QPSK Low Ch RB50-0 + RB50-0



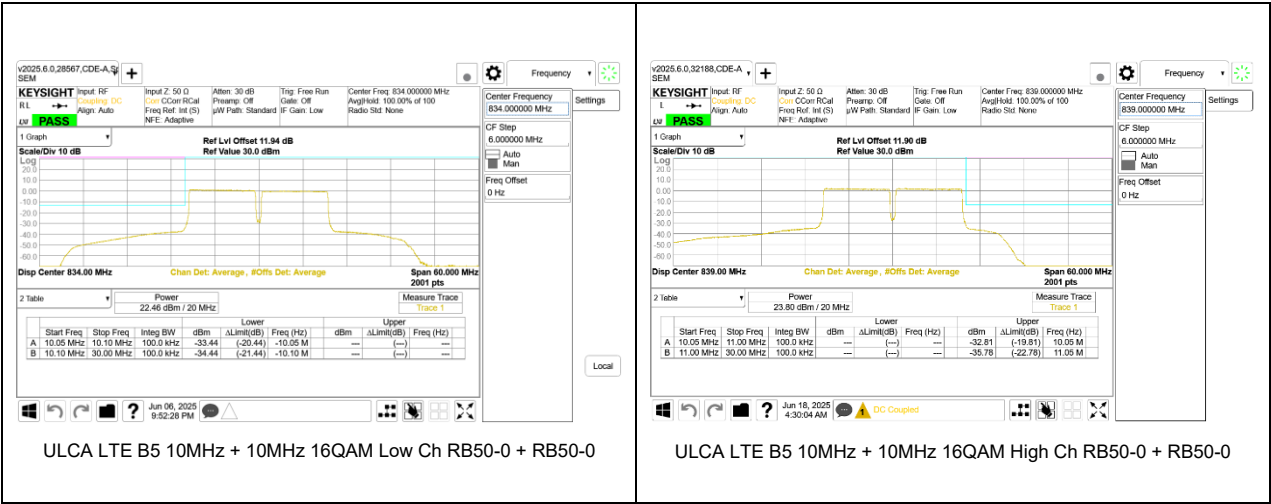
ULCA LTE B5 10MHz + 10MHz QPSK High Ch RB50-0 + RB50-0



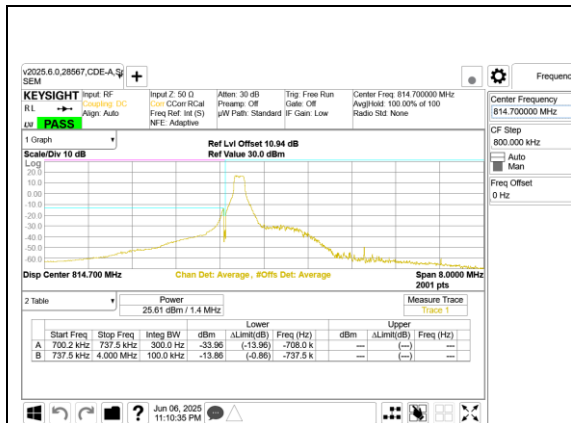
ULCA LTE B5 10MHz + 10MHz 16QAM Low Ch RB1-0 + RB1-49



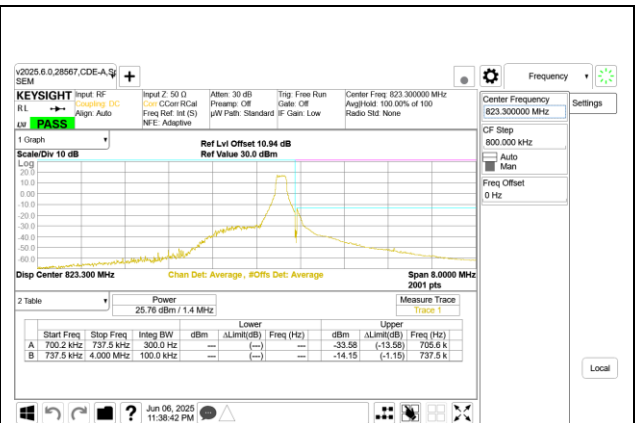
ULCA LTE B5 10MHz + 10MHz 16QAM High Ch RB1-0 + RB1-49



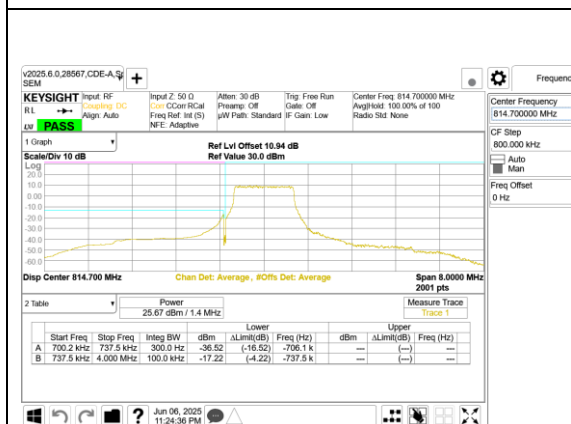
9.2.4. LTE BAND 26 (FCC PART 90S)



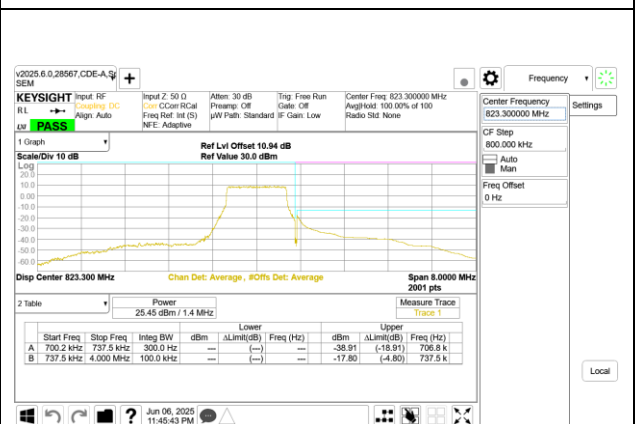
LTE B26 1.4MHz QPSK Low Channel RB1-0



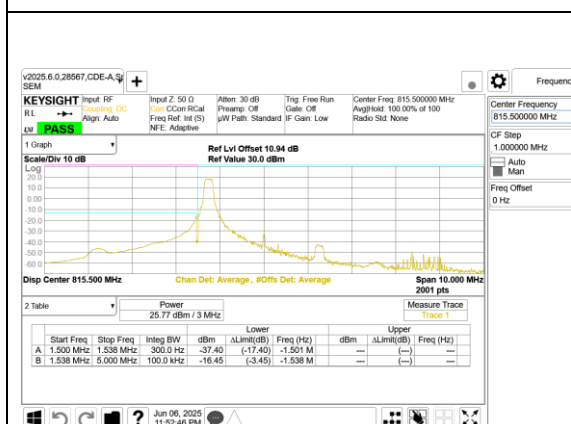
LTE B26 1.4MHz QPSK High Channel RB1-5



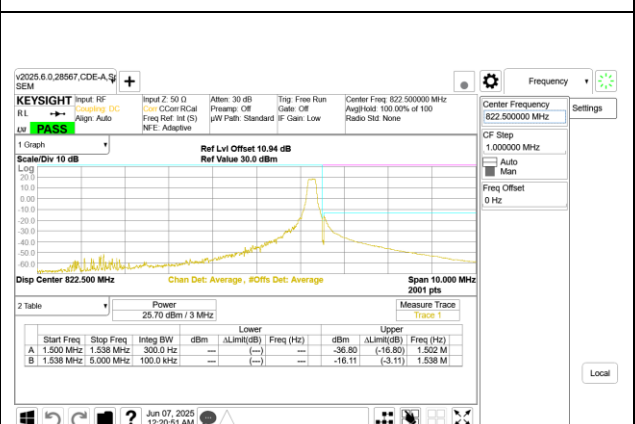
LTE B26 1.4MHz QPSK Low Channel RB6-0



LTE B26 1.4MHz QPSK High Channel RB6-0



LTE B26 3MHz QPSK Low Channel RB1-0



LTE B26 3MHz QPSK High Channel RB1-14

