TEST REPORT

Report Number: 15107858-E3V2

Applicant	:	GOOGLE LLC 1600 AMPHITHEATRE PARKWAY, MOUNTAIN VIEW, CA, 94043 USA
Model	:	GGX8B
FCC ID	:	A4RGGX8B
EUT Description	:	Phone
Test Standard(s)	:	FCC 47 CFR Part 2, Part 22, Part 27, and Part 96

Date Of Issue:
2024-04-26

Prepared by:
UL VERIFICATION SERVICES INC.
47173 Benicia Street
Fremont, CA 94538, U.S.A.
TEL: (510) 319-4000
FAX: (510) 661-0888

ACCREDITED
CERT #0751.05

Revision History

Rev.	Issue Date	Revisions	Revised By
V1	2024-04-18	Initial Review	
V2	2024-04-26	Updated Section 1, 2, 3, 4, 5.4, 6.2, 6.3, 6.4 and 10	Kiya Kedida

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

TABLE OF CONTENTS

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

1. ATTESTATION OF TEST RESULTS

Applicant Name and Address	GOOGLE LLC 1600 AMPHITHEATRE PARKWAY, MOUNTAIN VIEW, CA, 94043 USA
Model	GGX8B
FCC ID	A4RGGX8B
EUT Description	PHONE
Serial Number	Conducted: 41121FDAS000AZ and 41121FDAS0009E Radiated: 41031FDAS0006T and 41031FDAS000AE
Sample Receipt Date	2024-01-08
Date Tested	2023-12-28 to 2024-03-21
Applicable Standards	FCC 47 CFR Part 2, Part 22, Part 27
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:	Prepared By:
	
Thu Chan Operations Leader UL Verification Services Inc.	Kiya Kedida Senior Project Engineer UL Verification Services Inc

This report shall not be reproduced except in full, without the written approval of 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 the validity of results after the integration of the data provided by the customer.

Requirement Description	Band	Requirement Clause Number (FCC)	Result	Remarks
RF Conducted Output Power		2.1046	Complies	
Effective Radiated Power	5	22.913 (a)(5)	Complies	
Equivalent Isotropic Radiated power	7,38,41,66	27.50 (h) (2) 27.50 (d) (4)	Complies	
Occupied Bandwidth	5,7,38,41,66	2.1049	Complies	
Band Edge and Emission Mask	5,7,38,41,66	2.1051, 22.917 (a), 27.53(h), 27.53 (m)(4) &(m)(6)	Complies	
Out of Band Emissions	5,7,38,41,66	2.1051, 22.917 (a), 27.53(h) 27.53 (m)(4) &(m)(6)	Complies	
Frequency Stability	5,7,38,41,66	2.1055, 22.355, 27.54	Complies	
Peak-to-Average Ratio	5,7,38,41,66	22.913 (d), 27.50 (d) (5)	Complies	
Field Strength of Spurious Radiation	5,7,38,41,66	2.1053, 22.917 (a), 27.53(h), 27.53 (m)(4) &(m)(6)	Complies	

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

3. TEST METHODOLOGY

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

- ANSI C63.26:2015
- FCC 47 CFR Part 2, Part 22 and Part 27
- FCC KDB 971168 D01 v03r01: Power Meas License Digital Systems
- FCC KDB 971168 D02 v02r02: Misc Rev Approv License Devices
- FCC KDB 412172 D01 v01r01. Determining ERP and EIRP

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			

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

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
Power Spectral Density	2.466
Time Domain Measurements Using SA	3.39
RF Power Measurement Direct Method Using Power Meter	0.450 Peak; 1.300 Ave.
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

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

6. EQUIPMENT UNDER TEST

6.1. DESCRIPTION OF EUT

The EUT is a Phone.

6.2. MAXIMUM OUTPUT POWER

ERP/EIRP TEST PROCEDURE

ANSI C63.26:2015
KDB 971168 D01 Section 5.6

ERP/EIRP = PMeas + GT − 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 ERP/EIRP output powers as follows:

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

OUTPUT POWER FOR LTE BAND 5B

Part 22H	
EIRP Limit (W)	7.00
Antenna Gain (dBi)_(Ant1)	-4.00

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	ERP Average (dBm)	ERP Average (W)	99% BW (kHz)	Emission Designator
3+5	QPSK	825.5	841.5	24.05	17.90	0.062	7494	7M49G7W
	16QAM			24.03	17.88	0.061	7498	7M50D7W
5+3	QPSK	826.5	847.5	23.84	17.69	0.059	7499	7M50G7W
	16QAM			23.37	17.22	0.053	7504	7M50D7W
5+10	QPSK	826.5	844.0	24.03	17.88	0.061	13804	13M8G7W
	16QAM			23.44	17.29	0.054	13833	13M8D7W
10+5	QPSK	829.0	846.5	23.72	17.57	0.057	13825	13M8G7W
	16QAM			22.89	16.74	0.047	13830	13M8D7W
10+10	QPSK	829.0	844.0	24.10	17.95	0.062	18752	18M8G7W
	16QAM			23.11	16.96	0.050	18767	18M8D7W

OUTPUT POWER FOR LTE BAND 7C

Part 27	
EIRP Limit (W)	2.00
Antenna Gain (dBi)_(Ant2)	-1.00

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
10+20	QPSK	2505.5	2560.0	23.63	22.63	0.183	28109	28M1G7W
	16QAM			22.55	21.55	0.143	27931	27M9D7W
20+10	QPSK	2510.0	2564.5	24.21	23.21	0.209	28029	28M0G7W
	16QAM			23.98	22.98	0.199	27881	27M9D7W
15+15	QPSK	2507.5	2562.5	24.43	23.43	0.220	28673	28M7G7W
	16QAM			23.72	22.72	0.187	28467	28M5D7W
15+20	QPSK	2507.8	2560.0	24.44	23.44	0.221	32755	32M8G7W
	16QAM			23.66	22.66	0.185	32765	32M8D7W
20+15	QPSK	2510.0	2562.2	24.66	23.66	0.232	32787	32M8G7W
	16QAM			23.87	22.87	0.194	32697	32M7D7W
20+20	QPSK	2510.0	2560.0	24.60	23.60	0.229	37603	37M6G7W
	16QAM			22.92	21.92	0.156	37587	37M6D7W

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

OUTPUT POWER FOR LTE BAND 41C

Part 27	
EIRP Limit (W)	2.00
Antenna Gain (dBi)_(Ant2)	-1.30

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5+20	QPSK	2499.3	2680.0	23.68	22.38	0.173	23454	23M5G7W
	16QAM			22.73	21.43	0.139	23431	23M4D7W
20+5	QPSK	2506.0	2686.7	23.56	22.26	0.168	23480	23M5G7W
	16QAM			23.52	22.22	0.167	23407	23M4D7W
10+20	QPSK	2501.5	2680.0	23.72	22.42	0.175	28189	28M2G7W
	16QAM			22.72	21.42	0.139	28098	28M1D7W
20+10	QPSK	2506.0	2684.5	23.69	22.39	0.173	28191	28M2G7W
	16QAM			22.81	21.51	0.142	28188	28M2D7W
15+15	QPSK	2503.5	2682.5	23.78	22.48	0.177	28658	28M7G7W
	16QAM			22.72	21.42	0.139	28723	28M7D7W
15+20	QPSK	2503.8	2680.0	23.77	22.47	0.177	33067	33M1G7W
	16QAM			22.96	21.66	0.147	32872	32M9D7W
20+15	QPSK	2506.0	2682.2	23.76	22.46	0.176	33071	33M1G7W
	16QAM			22.87	21.57	0.144	33035	33M0D7W
20+20	QPSK	2506.0	2680.0	23.79	22.49	0.177	37396	37M4G7W
	16QAM			22.69	21.39	0.138	37428	37M4D7W

OUTPUT POWER FOR LTE BAND 66B

Part 27	
EIRP Limit (W)	2.00
Antenna Gain (dBi)_(Ant2)	-0.20

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
5+5	QPSK	1712.5	1777.5	23.95	23.75	0.237	9188	9M19G7W
	16QAM			22.91	22.71	0.187	9191.8	9M19D7W
5+10	QPSK	1712.8	1775.0	23.94	23.74	0.237	13731	13M7G7W
	16QAM			22.87	22.67	0.185	13726	13M7D7W
10+5	QPSK	1715.0	1777.2	23.94	23.74	0.237	13790	13M8G7W
	16QAM			22.82	22.62	0.183	13794	13M8D7W
5+15	QPSK	1713.0	1772.5	23.84	23.64	0.231	18022	18M0G7W
	16QAM			22.69	22.49	0.177	18038	18M0D7W
15+5	QPSK	1717.5	1777.0	23.72	23.52	0.225	18137	18M1G7W
	16QAM			22.60	22.40	0.174	18137	18M1D7W
10+10	QPSK	1715.0	1775.0	23.99	23.79	0.239	18624	18M6G7W
	16QAM			22.78	22.58	0.181	18618	18M6D7W

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

OUTPUT POWER FOR LTE BAND 66C

Part 27	
EIRP Limit (W)	2.00
Antenna Gain (dBi)_(Ant2)	-0.20

Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (kHz)	Emission Designator
10+15	QPSK	1715.3	1772.5	24.45	24.25	0.266	23099	23M1G7W
	16QAM			23.38	23.18	0.208	23024	23M0D7W
15+10	QPSK	1717.5	1774.7	24.36	24.16	0.261	23023	23M0G7W
	16QAM			23.63	23.43	0.220	23050	23M1D7W
10+20	QPSK	1715.5	1770.0	23.89	23.69	0.234	27565	27M6G7W
	16QAM			22.41	22.21	0.166	27851	27M9D7W
20+10	QPSK	1720.0	1774.5	23.51	23.31	0.214	27653	27M7G7W
	16QAM			22.52	22.32	0.171	27649	27M6D7W
15+15	QPSK	1717.5	1772.5	23.49	23.29	0.213	28181	28M2G7W
	16QAM			22.65	22.45	0.176	28156	28M2D7W
15+20	QPSK	1717.8	1770.0	23.87	23.67	0.233	32457	32M5G7W
	16QAM			22.92	22.72	0.187	32433	32M4D7W
20+15	QPSK	1720.0	1772.2	24.39	24.19	0.262	32468	32M5G7W
	16QAM			23.60	23.40	0.219	32490	32M5D7W
20+5	QPSK	1720.0	1776.7	24.36	24.16	0.261	22869	22M9G7W
	16QAM			23.51	23.31	0.214	22863	22M9D7W
5+20	QPSK	1713.3	1770.0	23.68	23.48	0.223	22731	22M7G7W
	16QAM			22.25	22.05	0.160	22759	22M8D7W
20+20	QPSK	1720.0	1770.0	23.87	23.67	0.233	37408	37M4G7W
	16QAM			22.75	22.55	0.180	37418	37M4D7W

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

6.3. MAXIMUM ANTENNA GAIN

The antenna(s) gain(s) and type, as provided by the manufacturer' are as follows:

LTE Bands	Frequency Range (MHz)	ANT 0 Antenna Gain (dBi)	ANT 1 Antenna Gain (dBi)	ANT 2 Antenna Gain (dBi)	ANT 5 Antenna Gain (dBi)	ANT 6 Antenna Gain (dBi)	ANT 7 Antenna Gain (dBi)
LTE Band 5	824 – 849	-4.0	-4.0				
LTE Band 7	2500 – 2570	-2.4		-1.0			
LTE Band 41	2496 – 2690	-2.5		-1.3			
LTE Band 66	1710 -1755	-0.8	-8.5	-0.2	-3.9		

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

6.4. WORST-CASE CONFIGURATION AND MODE

The EUT supports LTE dual carrier Bands of: Band 5B, Band 7C, Band 41C Band 38C, Band 66B and Band 66C.

LTE Band 38 (2570-2620MHz) is covered by LTE Band 41 because it is a subset of LTE Band 41. Also, they have the same or less output power and supported bandwidths.

The worst-case scenario for all measurements is based on the average conducted output power measurement investigation results. Output power measurements were measured on QPSK, 16QAM and 64QAM modulations. It was found that QPSK and 16QAM results were worst case. All testing was performed using QPSK and 16QAM modulations to represent the worst case. For testing purposes emissions on sections 8 and 9 were measured while QPSK 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 Bands	Worst case Antenna Port for Conducted Power
LTE BAND 5B	ANT 1
LTE BAND 7C, 38C, 41C, 66B, 66C	ANT 2

For 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 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 EUT was investigated in three orthogonal orientations X/Y/Z on all ANT 0, ANT1, ANT2 and ANT5 antennas to determine the worst-case orientation. The following table exabit the worst-case orientation for different frequency bands. The full tests of the EUT have made upon the orientations that shown in the table below.

Frequency Bands	ANT0	ANT1	ANT2	ANT5
824 – 849 MHz	X	X	N/A	N/A
1710 – 1780 MHz	X	X	X	X
2496 – 2570 MHz	X	N/A	X	N/A

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.

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

6.5. DESCRIPTION OF TEST SETUP

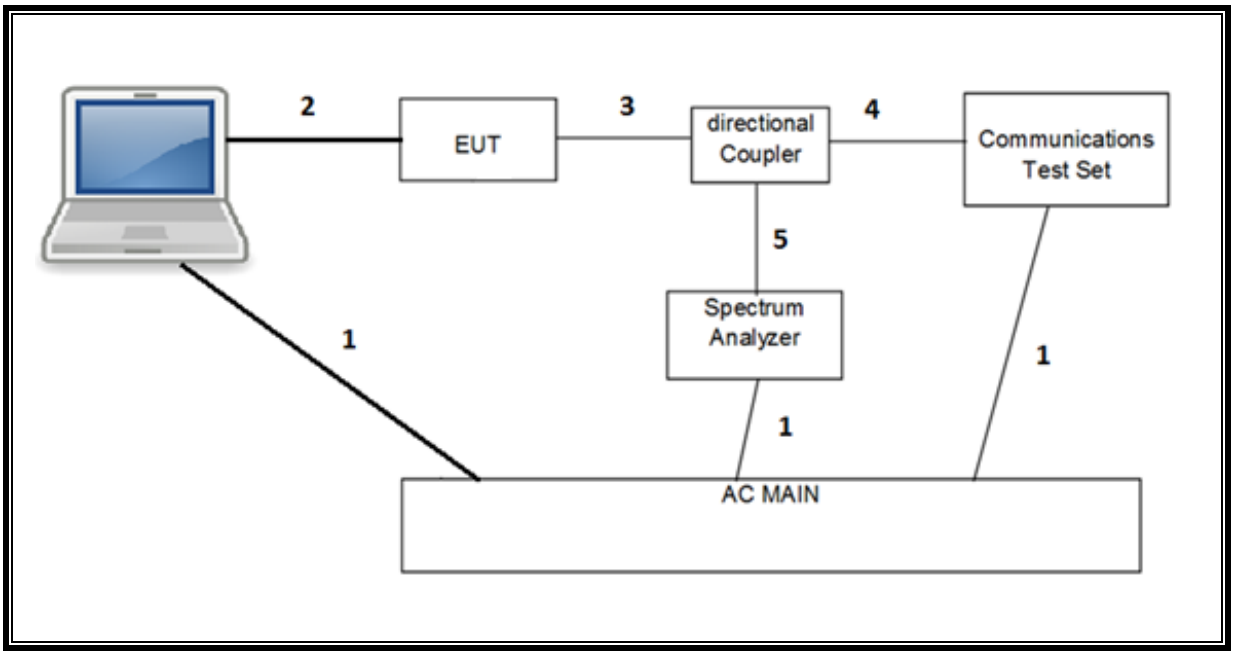
SUPPORT TEST EQUIPMENT				
Description	**Manufacturer**	**Model**	**Serial Number**	**FCC ID/ DoC**
Laptop	Dell	Latitude 7300	876819127	DoC
AC/DC adapter	Dell	DA130PE1-00	CN-0M55GJ-DES00-066-5THK-A02	DoC
Power Adapter	Google	GW8L7	1HV003B901000B9DE	DoC

I/O CABLES (RF CONDUCTED TEST)						
Cable No.	**Port**	**# of Identical Ports**	**Connector Type**	**Cable Type**	**Cable Length (m)**	**Remarks**
1	AC	3	US 115V	Un-shielded	2.0	N/A
2	USB	1	USB-C	Un-shielded	1.0	N/A
3	RF In/Out	1	EUT	Un-shielded	0.6	N/A
4	RF In/Out	1	Communication Test Set	Un-shielded	1.2	N/A
5	RF In/Out	1	Barrel	N/A	N/A	N/A

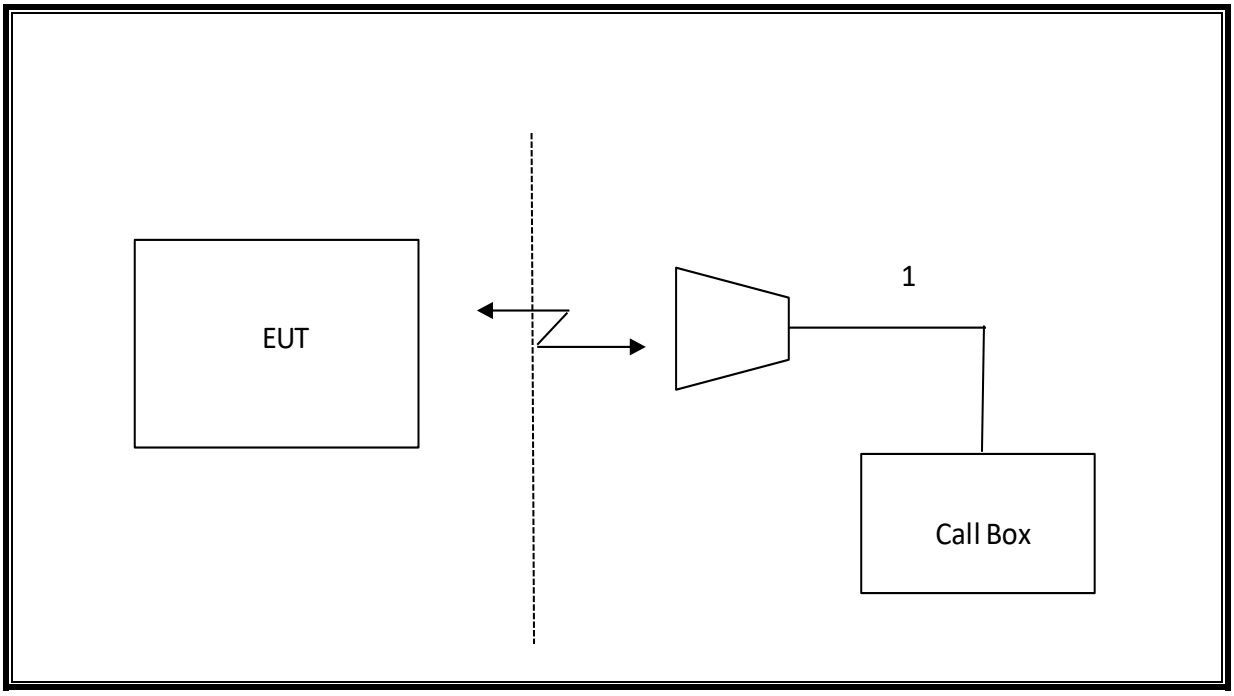
I/O CABLES (RF RADIATED TEST)						
Cable No.	**Port**	**# of Identical Ports**	**Connector Type**	**Cable Type**	**Cable Length (m)**	**Remarks**
1	AC	1	US 115V	Un-shielded	2.0	N/A
1	USB	1	USB-C	Un-shielded	1	N/A
2	RF In/Out	1	Antenna	Un-shielded	5.0	N/A

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

CONDUCTED SETUP



RADIATED SETUP



This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

7. TEST AND MEASUREMENT EQUIPMENT

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

TEST EQUIPMENT LIST				
Description	**Manufacturer**	**Model**	**Asset**	**Cal Due**
Antenna, Horn 1-18GHz	ETS-Lindgren	3117	80430	2024-08-31
Antenna, Horn 1-18GHz	ETS Lindgren	3117	206805	2024-06-30
Antenna, Broadband Hybrid, 30MHz to 3000MHz	SUNAR	JB3	222009	2024-10-31
RF Filter Box, 1-18GHz	UL-FR1	NA	217255	2024-10-31
RF Filter Box, 1-18GHz	UL-FR1	RATS 2	226781	2024-09-30
Amplifier, 10KHz to 1GHz, 32dB	Sonoma	310N	430250	2024-09-30
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	169936	2025-02-28
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	169935	2025-02-28
Wideband Communication Test Set, Call Box	R&S GmbH & Co. KG	CMW500	85943	2025-02-28
Directional Coupler	KRYTAR	152610	198816	2024-10-31
Directional Coupler	KRYTAR	152610	231664	2025-01-22
Power Meter, P-series single channel	Keysight	N1912A	90719	2025-01-31
Power Sensor, P - series, 50MHz to 18GHz, Wideband	Keysight	N1921A	81319	2025-01-31
Filter, HPF 1.2GHz	Wainwright Instruments GmbH	WHKX6-948-1.2/15G-40ST	99	2024-10-31
Spectrum Analyzer, PXA, 2Hz to 44GHz	Keysight	N9030B	231739	2025-01-31
Spectrum Analyzer, PXA, 2Hz to 44GHz	Keysight	N9030B	245120	2025-02-28
Spectrum Analyzer, PXA, 3Hz to 44GHz	Keysight	N9030A	85212	2025-02-28
Wideband Communication Test Set, Call Box	R&S GmbH & Co. KG	CMW500	222793	2025-02-28
Wideband Communication Test Set, Call Box	R&S GmbH & Co. KG	CMW500	222797	2025-02-28
Chamber, Environmental	Thermotron Corp.	SM-16C Mini-Max	179936	2024-06-30
Transmitting Antenna, Horn Antenna	TEKBOX Digital Solutions	TBMA4	226709	C.N.R.
Antenna, Horn 18 to 26.5GHz	A.R.A.	MWH-1826/B	199659	2024-12-31
Amplifier 18-26.5GHz, +5Vdc, -54dBm P1dB	AMPLICAL	AMP18G26.5-60	234683	2024-03-29
DC Power Supply	GWINSTEK	GPS18500	N/A	C.N.R.
10dB Fixed Attenuator	Pasternack Enterprises	PE7087-10	236360	Verified/Characterized before use
10dB Fixed Attenuator	Pasternack Enterprises	PE7087-10	236285	Verified/Characterized before use
UL AUTOMATION SOFTWARE				
CLT Software	UL	UL RF	V2023.11.21.0	
Power Measurement Software	UL	UL RF	V2023.08.14.0	
Radiated test software	UL	UL RF	Ver 9.5 2023-05-01	

NOTES:

1. * Testing is completed before equipment expiration date.
2. ** Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date.

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

8. RF OUTPUT POWER VERIFICATION

RULE PART(S)

FCC: §2.1046, §22.913, §27.50

RESULT

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 output powers as follows:

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

8.1. LTE BAND 5B

Test Engineer ID:	50822	Test Date:	2024-02-09

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

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm) ANT 0 QPSK	16QAM	64QAM	256QAM	ANT 1 QPSK	16QAM	64QAM	256QAM
3MHz / 5MHz	825.5	829.4	1	14	1	0	**23.79**	**23.9**	23.67	23.34	**24.05**	24.02	23.97	23.64
			15	0	25	0	23.74	23.87	**23.88**	**23.58**	24.04	**24.03**	**24.15**	**23.88**
	834.0	837.9	1	14	1	0	23.47	23.65	23.37	23.07	23.77	**23.95**	23.67	23.36
			15	0	25	0	23.14	23.06	23.76	23.23	23.42	23.35	**24.06**	23.53
	842.5	846.5	1	14	1	0	23.47	23.15	23.7	23.48	23.77	23.45	24.01	23.76
			15	0	25	0	23.14	23.14	23.67	22.46	23.42	23.44	23.97	22.75

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

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm) ANT 0 QPSK	16QAM	64QAM	256QAM	ANT 1 QPSK	16QAM	64QAM	256QAM
5MHz / 3MHz	826.5	830.4	1	24	1	0	**23.58**	22.93	**23.14**	22.38	**23.84**	23.21	**23.44**	22.68
			25	0	15	0	23.13	**23.07**	23.08	**22.59**	23.4	**23.37**	23.34	**22.91**
	835.0	838.9	1	24	1	0	22.65	22.73	22.79	22.46	22.91	23.02	23.05	22.72
			25	0	15	0	22.58	22.86	22.91	22.57	22.88	23.16	23.21	22.87
	843.6	847.5	1	24	1	0	22.65	22.57	22.69	22.44	22.91	22.87	22.99	22.72
			25	0	15	0	22.58	22.6	22.6	22.46	22.88	22.93	22.92	22.73

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

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm) ANT 0 QPSK	16QAM	64QAM	256QAM	ANT 1 QPSK	16QAM	64QAM	256QAM
5MHz / 10MHz	826.5	833.7	1	24	1	0	**23.71**	**22.51**	20.85	18.72	**24.03**	**23.44**	21.13	19.02
			25	0	50	0	21.89	20.89	**20.9**	18.89	21.99	21.18	**21.2**	19.19
	831.6	838.8	1	24	1	0	23.32	22.38	20.59	**19**	23.63	22.71	20.89	**19.3**
			25	0	50	0	21.62	20.83	20.79	18.92	21.92	21.19	21.09	19.21
	836.8	844.0	1	24	1	0	22.82	21.99	20.58	18.81	13.89	13.99	13.97	13.71
			25	0	50	0	21.68	20.81	20.87	18.84	21.98	21.11	21.17	19.14

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

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm) ANT 0 QPSK	16QAM	64QAM	256QAM	ANT 1 QPSK	16QAM	64QAM	256QAM
10MHz/ 5MHz	829.0	836.2	1	49	1	0	**23.4**	**22.56**	**20.93**	18.85	**23.72**	**22.89**	**21.23**	19.15
			50	0	25	0	21.68	20.93	20.87	**18.94**	21.98	21.23	21.18	**19.23**
	834.3	841.5	1	49	1	0	22.87	22	20.64	18.74	23.15	22.31	20.94	19.04
			50	0	25	0	21.29	20.54	20.79	18.9	21.59	20.84	21.05	19.2
	839.3	846.5	1	49	1	0	22.87	21.92	20.38	18.78	23.15	22.22	20.68	19.08
			50	0	25	0	21.29	20.56	20.56	18.85	21.59	20.86	20.86	19.15

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

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm) ANT 0 QPSK	16QAM	64QAM	256QAM	ANT 1 QPSK	16QAM	64QAM	256QAM
10MHz/ 10MHz	829.0	838.9	1	49	1	0	**23.71**	**22.55**	**20.72**	18.9	24.03	23.05	21.11	19.09
			1	0	1	49	15.55	15.5	15.54	15.65	15.76	16.04	16.1	15.66
			50	0	50	0	21.89	20.86	20.66	18.9	22.07	21.02	21.09	19
	831.5	841.4	1	49	1	0	22.84	22.11	20.35	18.84	**24.1**	23.02	21.3	19.14
			1	0	1	49	15.62	15.59	15.56	15.69	15.7	15.89	16.11	15.84
			50	0	50	0	21.34	20.45	20.46	**18.91**	22.05	21.01	21.05	19.02
	834.1	844.0	1	49	1	0	22.54	21.61	20.06	18.5	**24.1**	**23.11**	**21.36**	**19.21**
			1	0	1	49	15.6	15.45	15.57	15.68	15.73	15.84	16.21	17.93
			50	0	50	0	21.11	20.32	20.32	18.8	22.05	21.02	21.06	18.99

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

8.2. LTE BAND 7C

Test Engineer ID:	50822	Test Date:	2024-02-09

OUTPUT POWER FOR LTE BAND 7 (10.0MHz + 20.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm) ANT 0 QPSK	16QAM	64QAM	256QAM	ANT 2 QPSK	16QAM	64QAM	256QAM
10MHz / 20MHz	2505.5	2519.9	1	49	1	0	**23.55**	**22.48**	20.58	18.64	**23.63**	**22.55**	**20.71**	18.46
			50	0	100	0	21.68	20.67	**20.68**	**18.66**	21.63	20.59	20.62	**18.6**
	2525.6	2540.0	1	49	1	0	23.5	22.38	20.55	18.39	23.49	22.42	20.43	18.38
			50	0	100	0	21.46	20.46	20.47	18.46	21.43	20.41	20.43	18.41
	2545.6	2560.0	1	49	1	0	23.5	22.3	20.35	18.38	23.49	22.32	20.39	18.25
			50	0	100	0	21.46	20.41	20.45	18.41	21.43	20.42	20.4	18.41

OUTPUT POWER FOR LTE BAND 7 (20.0MHz + 10.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm) ANT 0 QPSK	16QAM	64QAM	256QAM	ANT 2 QPSK	16QAM	64QAM	256QAM
20MHz / 10MHz	2510.0	2524.4	1	99	1	0	23.12	23.48	21.75	**19.73**	23.49	22.27	20.54	18.35
			100	0	50	0	22.45	21.42	21.42	19.41	21.41	20.37	20.38	18.4
	2530.1	2544.5	1	99	1	0	23.27	**23.62**	**21.86**	19.67	23.5	22.34	20.53	18.31
			100	0	50	0	22.4	21.36	21.36	19.35	21.42	20.35	20.37	18.36
	2550.1	2564.5	1	99	1	0	**23.97**	23.18	21.83	19.41	**24.21**	**23.98**	**20.56**	**18.44**
			100	0	50	0	22.37	21.36	21.37	19.37	21.45	20.38	20.39	18.4

OUTPUT POWER FOR LTE BAND 7 (15.0MHz + 15.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm) ANT 0 QPSK	16QAM	64QAM	256QAM	ANT 2 QPSK	16QAM	64QAM	256QAM
15MHz / 15MHz	2507.5	2522.5	1	74	1	0	**23.6**	22.31	20.4	18.46	**24.43**	23.5	21.68	**19.55**
			75	0	75	0	21.54	20.5	**20.51**	18.49	22.42	21.42	21.45	19.37
	2527.5	2542.5	1	74	1	0	23.5	**22.46**	20.47	18.43	24.4	**23.72**	**21.78**	19.46
			75	0	75	0	21.46	20.43	20.45	18.42	22.35	21.32	21.39	19.32
	2547.5	2562.5	1	74	1	0	23.5	22.28	20.48	**18.51**	24.4	23.45	21.69	**19.55**
			75	0	75	0	21.46	20.42	20.44	18.41	22.35	21.34	21.38	19.35

OUTPUT POWER FOR LTE BAND 7 (15.0MHz + 20.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm) ANT 0 QPSK	16QAM	64QAM	256QAM	ANT 2 QPSK	16QAM	64QAM	256QAM
15MHz / 20MHz	2507.8	2524.9	1	74	1	0	**23.63**	**22.53**	**20.61**	18.4	24.15	23	21.6	19.61
			75	0	100	0	21.53	20.52	20.53	**18.5**	22.41	21.38	21.41	19.34
	2525.3	2542.4	1	74	1	0	23.62	22.49	20.33	18.41	**24.44**	**23.66**	21.63	19.39
			75	0	100	0	21.49	20.41	20.45	18.39	22.39	21.32	21.3	19.29
	2542.9	2560.0	1	74	1	0	23.62	22.44	20.54	18.44	**24.44**	23.46	**21.67**	**19.66**
			75	0	100	0	21.49	20.47	20.48	18.45	22.39	21.39	21.39	19.33

OUTPUT POWER FOR LTE BAND 7 (20.0MHz + 15.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm) ANT 0 QPSK	16QAM	64QAM	256QAM	ANT 2 QPSK	16QAM	64QAM	256QAM
20MHz / 15MHz	2510.0	2527.1	1	99	1	0	**24.52**	**23.64**	**21.89**	19.72	23.51	**23.87**	**20.6**	18.36
			100	0	75	0	22.41	21.4	21.41	19.39	21.39	20.37	20.38	18.37
	2527.6	2544.7	1	99	1	0	24.37	23.51	21.57	19.57	**24.66**	22.46	20.57	**18.4**
			100	0	75	0	22.41	21.37	21.38	19.35	21.46	20.35	20.38	18.37
	2545.1	2562.2	1	99	1	0	24.37	23.21	21.84	**19.77**	23.57	22.49	20.5	18.35
			100	0	75	0	22.41	21.39	21.4	19.37	21.46	20.42	20.4	**18.4**

OUTPUT POWER FOR LTE BAND 7 (20.0MHz + 20.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm) ANT 0 QPSK	16QAM	64QAM	256QAM	ANT 2 QPSK	16QAM	64QAM	256QAM
20MHz/ 20MHz	2510.0	2529.8	1	99	1	0	23.75	22.02	21.69	19.46	23.53	**22.92**	20.5	18.31
			1	0	1	99	16.28	16.38	16.58	16.49	15.22	15.25	15.28	15.08
			100	0	100	0	22.19	21.42	21.37	19.37	21.4	20.37	20.36	18.35
	2525.1	2544.9	1	99	1	0	**24.1**	22.4	21.78	**19.54**	**24.6**	22.47	**20.63**	**18.45**
			1	0	1	99	16.26	16.42	16.65	16.55	15.27	15.16	15.3	15.16
			100	0	100	0	22.41	21.4	21.43	19.37	21.42	20.39	20.39	18.37
	2540.2	2560.0	1	99	1	0	24.06	**22.6**	**21.91**	19.4	23.6	22.46	20.53	18.43
			1	0	1	99	16.35	16.37	16.51	16.27	15.32	15.16	15.39	15.23
			100	0	100	0	22.42	21.41	21.4	19.37	21.46	20.41	20.43	18.39

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

8.3. LTE BAND 41C

Test Engineer ID:	50822	Test Date:	2024-01-31

OUTPUT POWER FOR LTE BAND 41 (5.0MHz + 20.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm) ANT 0 QPSK	ANT 0 16QAM	ANT 0 64QAM	ANT 0 256QAM	ANT 2 QPSK	ANT 2 16QAM	ANT 2 64QAM	ANT 2 256QAM
5MHz / 20MHz	2499.3	2511.0	1	24	1	0	**23.55**	21.51	19.76	17.93	**23.68**	**22.73**	20.63	18.55
			25	0	100	0	21.08	20.11	**20.05**	**18.03**	21.64	20.6	**20.64**	**18.59**
	2583.8	2595.5	1	24	1	0	22.35	**21.55**	19.44	17.27	23.54	22.47	20.23	18.37
			25	0	100	0	20.42	19.77	19.75	17.78	21.47	20.49	20.53	18.49
	2668.3	2680.0	1	24	1	0	22.35	21.41	19.25	17.35	23.54	22.4	20.6	18.38
			25	0	100	0	20.42	19.38	19.32	17.39	21.47	20.45	20.41	18.34

OUTPUT POWER FOR LTE BAND 41 (20.0MHz + 5.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm) ANT 0 QPSK	ANT 0 16QAM	ANT 0 64QAM	ANT 0 256QAM	ANT 2 QPSK	ANT 2 16QAM	ANT 2 64QAM	ANT 2 256QAM
20MHz / 5MHz	2506.0	2517.7	1	99	1	0	**23.51**	**21.74**	19.72	17.71	**23.56**	22.41	20.72	18.62
			100	0	25	0	20.89	19.91	**19.88**	**17.87**	21.63	20.66	20.59	18.57
	2590.5	2602.2	1	99	1	0	13.79	13.61	13.64	14.01	14.6	14.52	14.66	14.65
			100	0	25	0	20.69	19.71	19.7	17.66	21.57	20.59	20.53	18.52
	2675.0	2686.7	1	99	1	0	22.38	21.17	19.05	17.17	23.4	22.27	13.93	13.91
			100	0	25	0	20.21	19.21	19.17	17.16	21.4	**23.52**	**22.5**	**20.46**

OUTPUT POWER FOR LTE BAND 41 (10.0MHz + 20.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm) ANT 0 QPSK	ANT 0 16QAM	ANT 0 64QAM	ANT 0 256QAM	ANT 2 QPSK	ANT 2 16QAM	ANT 2 64QAM	ANT 2 256QAM
10MHz / 20MHz	2501.5	2515.9	1	49	1	0	**23.62**	**21.72**	20.02	17.85	**23.72**	**22.72**	20.53	18.66
			50	0	100	0	21.07	20.07	**20.06**	**18.06**	21.95	20.93	**20.94**	**18.93**
	2583.6	2598.0	1	49	1	0	22.47	21.68	19.61	17.64	23.54	22.59	20.78	18.51
			50	0	100	0	20.46	19.75	19.75	17.74	21.53	20.59	20.6	18.61
	2665.6	2680.0	1	49	1	0	22.47	21.29	19.48	17.46	23.54	22.57	20.69	18.76
			50	0	100	0	20.46	19.44	19.41	17.43	21.53	20.47	20.5	18.47

OUTPUT POWER FOR LTE BAND 41 (20.0MHz + 10.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm) ANT 0 QPSK	ANT 0 16QAM	ANT 0 64QAM	ANT 0 256QAM	ANT 2 QPSK	ANT 2 16QAM	ANT 2 64QAM	ANT 2 256QAM
20MHz / 10MHz	2506.0	2520.4	1	99	1	0	**23.59**	21.77	19.55	17.81	**23.69**	**22.81**	**20.69**	**18.73**
			100	0	50	0	20.83	19.84	**19.83**	**17.83**	21.67	20.68	20.67	18.65
	2588.1	2602.5	1	99	1	0	22.59	**21.8**	19.5	17.73	23.6	22.55	20.4	18.54
			100	0	50	0	20.41	19.65	19.64	17.67	21.55	22.8	20.59	18.56
	2670.1	2684.5	1	99	1	0	22.59	21.42	19.26	17.32	23.6	22.59	20.53	18.64
			100	0	50	0	20.41	19.4	19.39	17.36	21.55	20.52	20.53	18.48

OUTPUT POWER FOR LTE BAND 41 (15.0MHz + 15.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm) ANT 0 QPSK	ANT 0 16QAM	ANT 0 64QAM	ANT 0 256QAM	ANT 2 QPSK	ANT 2 16QAM	ANT 2 64QAM	ANT 2 256QAM
15MHz / 15MHz	2503.5	2518.5	1	74	1	0	**23.65**	**21.81**	**19.86**	17.58	**23.78**	**22.72**	**20.79**	**18.79**
			75	0	75	0	20.85	19.85	19.84	**17.77**	21.7	20.69	20.7	18.67
	2585.5	2600.5	1	74	1	0	22.52	21.56	19.77	17.49	23.58	22.47	20.78	18.37
			75	0	75	0	20.44	19.64	19.64	17.62	21.54	20.53	20.54	18.53
	2667.5	2682.5	1	74	1	0	22.52	21.4	19.39	17.69	23.58	22.65	20.66	18.15
			75	0	75	0	20.44	19.42	19.42	17.37	21.54	20.51	20.5	18.45

OUTPUT POWER FOR LTE BAND 41 (15.0MHz + 20.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm) ANT 0 QPSK	ANT 0 16QAM	ANT 0 64QAM	ANT 0 256QAM	ANT 2 QPSK	ANT 2 16QAM	ANT 2 64QAM	ANT 2 256QAM
15MHz / 20MHz	2503.8	2520.9	1	74	1	0	**23.64**	**22.14**	**19.98**	17.66	**23.77**	22.86	**20.83**	18.39
			75	0	100	0	20.82	19.8	19.83	**17.79**	21.69	20.62	20.67	**18.64**
	2583.3	2600.4	1	74	1	0	22.7	21.56	19.61	17.35	23.53	22.59	20.36	18.58
			75	0	100	0	20.65	19.64	19.63	17.61	21.57	20.52	20.57	18.51
	2662.9	2680.0	1	74	1	0	22.54	21.46	19.48	17.42	23.64	**22.96**	20.46	18.46
			75	0	100	0	20.44	19.38	19.4	17.37	21.55	20.48	20.5	18.46

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

OUTPUT POWER FOR LTE BAND 41 (20.0MHz + 15.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm)							
							ANT 0				ANT 2			
							QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
20MHz / 15MHz	2506.0	2523.1	1	99	1	0	**23.71**	**21.62**	19.73	**17.82**	**23.76**	**22.87**	20.42	**18.84**
			100	0	75	0	20.79	19.75	**19.76**	17.74	21.68	20.68	**20.67**	18.64
	2585.6	2602.7	1	99	1	0	22.54	21.57	19.69	17.75	23.53	22.7	20.35	18.55
			100	0	75	0	20.4	19.58	19.6	17.58	21.53	20.54	20.59	18.52
	2665.1	2682.2	1	99	1	0	22.54	21.45	19.12	17.4	23.53	22.58	20.29	18.4
			100	0	75	0	20.4	19.38	19.38	17.36	21.53	20.55	20.56	18.5

OUTPUT POWER FOR LTE BAND 41 (20.0MHz + 20.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm)							
							ANT 0				ANT 2			
							QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
20MHz/ 20MHz	2506.0	2525.8	1	99	1	0	**23.52**	**21.63**	19.75	**17.82**	**23.79**	22.56	20.34	**18.69**
			1	0	1	99	13.76	13.76	13.82	13.77	14.62	14.62	14.53	14.73
			100	0	100	0	20.76	19.76	**19.78**	17.71	21.66	20.65	**20.67**	18.61
	2583.1	2602.9	1	99	1	0	22.69	21.51	19.56	17.64	23.72	22.62	20.34	18.66
			1	0	1	99	13.63	13.71	13.53	13.72	14.64	14.56	14.14	14.55
			100	0	100	0	20.57	19.54	19.57	17.52	21.57	20.53	20.55	18.52
	2660.2	2680.0	1	99	1	0	22.55	21.41	19.15	17.46	23.68	**22.69**	20.1	18.58
			1	0	1	99	13.42	13.5	13.39	13.55	14.58	14.48	14.3	14.62
			100	0	100	0	20.39	19.36	19.39	17.36	21.55	20.46	20.52	18.47

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

8.4. LTE BAND 66B

Test Engineer ID:	50822	Test Date:	2024-01-25

OUTPUT POWER FOR LTE BAND 66B (5.0MHz + 5.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm)													
							ANT 0				ANT 1				ANT 2				ANT 5			
							QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
5MHz / 5MHz	1712.5	1717.3	1	24	1	0	22.37	22.25	21.57	19.5	**23.59**	**22.51**	**20.56**	18.58	**23.95**	**22.91**	20.85	19.3	**23.66**	**22.42**	**20.43**	18.25
			25	0	25	0	22.37	21.37	21.37	19.38	21.6	20.55	20.54	18.55	21.94	20.91	**20.89**	19.18	21.44	20.42	20.33	**18.37**
	1752.6	1757.4	1	24	1	0	23.37	22.41	21.61	19.48	23.5	**22.51**	20.51	**18.6**	23.64	22.51	20.78	19.28	23.28	22.32	20.29	18.16
			25	0	25	0	22.38	21.34	21.36	19.37	21.56	20.49	**20.56**	18.48	21.59	20.72	20.76	19.24	21.34	20.38	20.28	18.25
	1772.7	1777.5	1	24	1	0	**23.57**	**22.47**	**21.69**	**19.58**	23.5	22.42	20.44	18.57	23.64	22.42	20.71	**19.44**	23.28	22.31	20.26	18.19
			25	0	25	0	22.38	22.45	21.45	19.36	21.56	20.48	20.53	18.5	21.59	20.6	20.65	19.3	21.34	20.31	20.35	18.28

OUTPUT POWER FOR LTE BAND 66B (5.0MHz + 10.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm)													
							ANT 0				ANT 1				ANT 2				ANT 5			
							QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
5MHz / 10MHz	1712.8	1720.0	1	24	1	0	23.45	**22.41**	21.51	19.54	**23.54**	**22.51**	20.46	18.56	**23.94**	**22.87**	**21.12**	19.24	**23.54**	**22.64**	20.37	18.31
			25	0	50	0	22.39	21.37	21.42	19.38	21.56	20.52	**20.53**	18.54	21.92	20.94	21.01	19.17	21.46	20.46	**20.4**	**18.35**
	1750.3	1757.5	1	24	1	0	23.47	22.12	21.48	19.43	23.46	22.43	20.36	18.34	23.67	22.56	20.64	19.24	23.38	22.29	20.32	18.04
			25	0	50	0	22.37	21.32	21.36	19.31	21.49	20.47	20.48	18.45	21.6	20.7	20.79	19.11	21.35	20.29	20.24	18.24
	1767.8	1775.0	1	24	1	0	**23.65**	22.16	**21.64**	**19.6**	23.46	22.39	20.35	18.47	23.67	22.6	20.66	**19.4**	23.38	22.24	20.39	18.22
			25	0	50	0	22.37	21.38	21.4	19.37	21.49	20.42	20.42	**19.01**	21.6	20.6	20.64	19.27	21.35	20.37	20.3	18.29

OUTPUT POWER FOR LTE BAND 66B (10.0MHz + 5.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm)													
							ANT 0				ANT 1				ANT 2				ANT 5			
							QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
10MHz / 5MHz	1715.0	1722.2	1	49	1	0	**23.42**	22.25	20.25	18.21	**23.62**	22.41	20.32	18.42	**23.94**	**22.82**	**20.82**	18.14	**23.65**	22.43	20.14	18.04
			50	0	25	0	21.32	20.28	20.25	18.28	21.57	20.46	**20.53**	**18.51**	21.89	20.85	20.8	**18.17**	21.32	20.3	20.33	**18.29**
	1752.5	1759.7	1	49	1	0	23.32	22.26	**20.29**	18.22	23.49	22.38	20.33	18.48	23.61	22.48	20.67	18.11	23.24	**22.48**	20.31	18.15
			50	0	25	0	21.32	20.24	20.25	18.28	21.51	20.45	20.49	18.43	21.62	20.68	20.6	18.08	21.28	20.3	20.33	**18.29**
	1770.0	1777.2	1	49	1	0	23.32	**22.32**	20.1	**18.32**	23.49	**22.42**	20.31	18.39	23.61	22.51	20.52	18.14	23.24	22.45	**20.46**	18.11
			50	0	25	0	21.32	20.27	20.25	18.3	21.51	20.42	20.45	18.42	21.62	20.56	20.51	18.11	21.28	20.22	20.29	18.27

OUTPUT POWER FOR LTE BAND 66B (5.0MHz + 15.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm)													
							ANT 0				ANT 1				ANT 2				ANT 5			
							QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
5MHz/ 15MHz	1713.0	1722.3	1	24	1	0	**23.31**	22.18	**20.34**	**18.3**	**23.51**	22.36	20.53	**18.52**	**23.84**	**22.69**	20.86	18.1	**23.52**	22.37	**20.67**	18.21
			25	0	75	0	21.3	20.25	20.21	18.29	21.54	20.47	**20.55**	18.51	21.84	20.84	**20.97**	18.05	21.39	20.4	20.32	**18.33**
	1748.1	1757.4	1	24	1	0	23.21	**22.26**	20.26	18.22	23.4	**22.43**	20.49	18.41	23.61	22.58	20.74	18.05	23.21	**22.44**	20.39	18.21
			25	0	75	0	21.2	20.25	20.3	18.29	21.46	20.47	20.38	18.44	21.58	20.67	20.79	18	21.27	20.32	20.3	18.29
	1763.2	1772.5	1	24	1	0	23.21	22.08	20.11	18.16	23.4	22.34	20.37	18.42	23.61	22.64	20.63	18	23.21	22.06	20.18	18.21
			25	0	75	0	21.2	20.17	20.23	18.2	21.46	20.41	20.36	18.38	21.58	20.55	20.67	**18.15**	21.27	20.24	20.29	18.29

OUTPUT POWER FOR LTE BAND 66B (15.0MHz + 5.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm)													
							ANT 0				ANT 1				ANT 2				ANT 5			
							QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
15MHz / 5MHz	1717.5	1726.8	1	74	1	0	**23.24**	**22.21**	20.09	18.09	**23.54**	**22.41**	20.38	18.29	**23.72**	**22.6**	20.69	18.02	**23.65**	22.26	**20.4**	18.27
			75	0	25	0	21.31	20.23	20.24	18.24	21.55	20.5	**20.53**	**18.51**	21.81	20.79	**20.88**	18	21.31	20.28	20.28	18.28
	1752.6	1761.9	1	74	1	0	**23.24**	22.11	20.15	18.17	23.44	22.32	20.25	18.31	23.45	22.42	20.69	18.11	23.18	**22.37**	20.18	18.17
			75	0	25	0	21.28	20.22	20.22	**18.25**	21.47	20.45	20.48	18.44	21.55	20.62	20.67	**18.2**	21.28	20.26	20.26	**18.29**
	1767.7	1777.0	1	74	1	0	**23.24**	21.99	20.19	18.11	23.44	22.32	20.23	18.34	23.45	22.23	20.34	18.05	23.18	22.13	20.12	18.08
			75	0	25	0	21.28	20.22	**20.25**	18.21	21.47	20.4	20.4	18.43	21.55	20.5	20.59	18.15	21.28	20.28	20.28	18.27

OUTPUT POWER FOR LTE BAND 66B (10.0MHz + 10.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm)													
							ANT 0				ANT 1				ANT 2				ANT 5			
							QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
10MHz/ 10MHz	1715.0	1724.9	1	49	1	0	**23.33**	22.25	20.18	**18.34**	23.55	22.41	20.31	**18.46**	**23.99**	**22.78**	20.9	18.13	**23.58**	**22.53**	20.36	18.16
			1	0	1	49	15.09	14.9	14.82	15.08	15.17	15.15	15.15	15.05	15.57	15.53	15.58	15	15.06	15.29	15	14.83
			50	0	50	0	21.31	20.23	20.26	18.24	21.5	20.4	20.44	18.42	21.87	20.82	**20.95**	18.18	21.33	20.34	20.34	18.32
	1750.1	1760.0	1	49	1	0	23.29	**22.26**	20.11	18.26	**23.59**	**22.43**	**20.54**	18.32	23.79	22.65	20.57	18.21	23.41	22.46	20.31	**18.34**
			1	0	1	49	15.09	15.04	14.88	15.07	15.16	14.99	14.87	15.12	15.41	15.46	15.4	15.01	15.09	15.06	15.11	14.96
			50	0	50	0	21.27	20.2	20.25	18.2	21.45	20.36	20.42	18.38	21.7	20.67	20.75	**18.22**	21.35	20.28	20.35	18.31
	1765.1	1775.0	1	49	1	0	23.32	22.22	**20.29**	18.29	23.43	22.29	20.2	18.32	23.64	22.66	20.57	18.17	23.28	22.44	**20.38**	18.13
			1	0	1	49	15.13	14.97	14.91	15.02	15.09	15.16	15.03	15.1	15.37	15.2	15.28	14.98	15.00	15.11	15.07	14.78
			50	0	50	0	21.29	20.24	**20.29**	18.24	21.35	20.28	20.32	18.3	21.61	20.55	20.63	18.2	21.28	20.26	20.27	18.24

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

8.5. LTE BAND 66C

Test Engineer ID:	50822	Test Date:	2024-01-26

OUTPUT POWER FOR LTE BAND 66C (10.0MHz + 15.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm)													
							ANT 0				ANT 1				ANT 2				ANT 5			
							QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
10MHz / 15MHz	1715.3	1727.3	1	49	1	0	**23.39**	**22.35**	20.21	**18.35**	23.56	**22.55**	**20.54**	18.4	**24.45**	**23.38**	**21.65**	19.42	23.33	**22.49**	20.25	18.13
			50	0	75	0	21.3	20.28	20.3	18.3	21.54	20.51	**20.54**	18.51	22.42	21.42	21.44	19.44	21.33	20.3	20.33	**18.35**
	1747.9	1759.9	1	49	1	0	23.3	22.32	**20.31**	18.28	**23.58**	**22.55**	20.36	**18.55**	24.44	23.36	21.55	19.49	**23.58**	22.42	20.2	18.23
			50	0	75	0	21.25	20.22	20.25	18.25	21.55	20.48	20.47	18.47	22.35	21.35	21.44	19.37	21.28	20.26	20.31	18.31
	1760.5	1772.5	1	49	1	0	23.3	22.32	20.24	18.05	**23.58**	22.52	20.43	18.44	24.44	23.3	21.41	**19.54**	23.36	22.36	**20.38**	18.32
			50	0	75	0	21.25	20.19	20.24	18.23	21.55	20.46	20.48	18.46	22.35	21.3	21.36	19.34	21.28	20.26	20.27	18.31

OUTPUT POWER FOR LTE BAND 66C (15.0MHz + 10.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm)													
							ANT 0				ANT 1				ANT 2				ANT 5			
							QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
15MHz / 10MHz	1717.5	1729.5	1	74	1	0	23.34	22.36	20.37	18.4	**23.58**	**22.55**	20.24	**18.54**	**24.36**	23.56	**21.83**	**19.84**	23.32	22.38	**20.48**	**18.37**
			75	0	50	0	21.31	20.38	20.34	18.3	21.6	20.51	**20.52**	18.48	22.41	21.35	21.49	19.4	21.31	20.29	20.36	18.31
	1750.1	1762.1	1	74	1	0	**23.5**	22.3	**20.4**	18.34	23.51	22.42	20.39	18.46	23.41	**23.63**	21.55	19.34	**23.65**	**22.61**	20.38	18.13
			75	0	50	0	21.44	20.3	20.37	18.35	21.5	20.49	20.48	18.46	21.47	21.36	21.33	19.33	21.27	20.31	20.33	18.32
	1762.7	1774.7	1	74	1	0	**23.5**	**22.46**	20.37	**18.44**	23.51	22.43	20.32	18.49	23.41	22.45	20.47	18.38	23.34	22.37	20.31	18.25
			75	0	50	0	21.44	20.37	20.39	18.37	21.5	20.43	20.43	18.4	21.47	20.43	20.44	18.44	21.27	20.24	20.26	18.25

OUTPUT POWER FOR LTE BAND 66C (10.0MHz + 20.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm)													
							ANT 0				ANT 1				ANT 2				ANT 5			
							QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
10MHz / 20MHz	1715.5	1729.9	1	49	1	0	**23.42**	22.33	20.15	18.37	**23.59**	22.1	20.49	18.43	23.31	22.16	20.09	18.14	23.35	**22.38**	**20.48**	**18.37**
			50	0	100	0	21.4	20.34	**20.37**	**18.42**	21.57	20.51	**20.54**	**18.52**	21.25	20.21	20.24	18.27	21.34	20.26	20.36	18.36
	1745.6	1760.0	1	49	1	0	23.4	22.24	20.16	18.39	23.53	22.12	20.24	18.4	**23.89**	22.4	20.34	**18.44**	**23.8**	22.21	20.38	18.13
			50	0	100	0	21.37	20.34	**20.37**	18.39	21.51	20.45	20.42	18.44	21.39	20.38	**20.41**	**18.44**	21.28	20.31	20.35	18.32
	1755.6	1770.0	1	49	1	0	23.4	**22.35**	20.18	18.21	23.53	**22.37**	20.35	18.37	23.37	**22.41**	20.3	18.22	23.36	22.37	20.31	18.25
			50	0	100	0	21.37	20.31	20.32	18.35	21.51	20.45	20.46	18.47	21.39	20.34	20.35	18.38	21.28	20.22	20.28	18.24

OUTPUT POWER FOR LTE BAND 66C (20.0MHz + 10.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm)													
							ANT 0				ANT 1				ANT 2				ANT 5			
							QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
20MHz/ 10MHz	1720.0	1734.4	1	99	1	0	**23.49**	22.44	20.54	**18.45**	**23.4**	22.23	20.51	18.46	23.48	22.43	20.47	18.4	23.22	22.6	20.9	18.98
			100	0	50	0	21.46	20.37	20.4	18.43	21.59	20.51	20.49	18.5	21.44	20.38	20.39	18.43	21.92	20.91	20.91	18.92
	1750.1	1764.5	1	99	1	0	23.46	22.36	20.52	18.29	23.14	**22.47**	20.39	18.44	**23.51**	22.35	20.43	18.44	23.14	**22.95**	20.9	18.8
			100	0	50	0	21.48	20.34	20.38	18.36	21.6	20.46	20.48	18.49	21.55	20.39	20.38	18.43	21.95	20.86	20.84	18.91
	1760.1	1774.5	1	99	1	0	23.46	**22.5**	**20.59**	18.3	23.21	22.45	**20.53**	18.53	**23.51**	**22.52**	**20.51**	18.43	**23.68**	22.84	**21.08**	**19.05**
			100	0	50	0	21.48	20.39	20.41	18.44	21.6	20.52	20.52	**18.54**	21.55	20.49	20.5	**18.51**	21.95	20.86	20.88	18.94

OUTPUT POWER FOR LTE BAND 66C (15.0MHz + 15.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm)													
							ANT 0				ANT 1				ANT 2				ANT 5			
							QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
15MHz / 15MHz	1717.5	1732.5	1	74	1	0	**23.45**	**22.41**	20.23	18.35	**23.64**	22.54	**20.51**	18.5	**23.49**	**22.65**	**20.45**	**18.42**	**23.58**	**22.68**	19.83	17.77
			75	0	75	0	21.39	20.29	20.32	18.34	21.57	20.49	20.49	**18.52**	21.35	20.3	20.32	18.31	19.57	18.65	18.51	16.48
	1747.5	1762.5	1	0	1	74	**23.45**	22.37	20.08	18.36	23.56	**22.69**	20.49	18.49	23.35	22.32	20.37	18.33	22.92	21.76	**19.92**	**17.83**
			75	0	75	0	21.38	20.33	**20.33**	**18.37**	21.58	20.48	20.49	18.47	20.29	20.35	20.31	18.33	19.56	18.57	18.54	16.5
	1757.5	1772.5	1	74	1	0	23.38	22.54	20.49	18.35	23.58	22.45	20.36	18.41	23.47	22.33	20.34	18.37	22.86	22.2	19.73	17.83
			75	0	75	0	21.41	20.36	20.38	18.35	21.52	20.48	20.47	18.44	21.4	20.31	20.36	18.38	19.6	18.65	18.64	16.6

OUTPUT POWER FOR LTE BAND 66C (15.0MHz + 20.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm)													
							ANT 0				ANT 1				ANT 2				ANT 5			
							QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
15MHz/ 20MHz	1717.8	1734.9	1	74	1	0	22.33	**22.09**	20.13	18.08	**23.6**	22.51	**20.5**	**18.52**	**23.87**	22.27	20.3	18.3	23.38	22.39	**20.48**	18.35
			75	0	100	0	21.21	20.15	**20.19**	**18.2**	21.57	20.52	20.48	18.51	21.35	20.31	20.34	18.33	21.32	20.27	20.36	**18.36**
	1745.3	1762.4	1	74	1	0	**22.45**	21.48	19.17	17.19	23.58	**22.65**	20.48	18.5	23.41	**22.92**	20.28	**18.46**	**23.69**	**22.62**	20.36	18.14
			75	0	100	0	20.42	19.38	19.43	17.41	21.53	20.46	20.47	18.48	21.4	20.37	**20.41**	18.39	21.28	20.33	20.35	18.3
	1752.9	1770.0	1	74	1	0	**22.45**	21.38	19.45	17.34	23.58	22.55	20.4	18.44	23.41	22.46	20.19	18.35	23.40	22.35	20.32	18.25
			75	0	100	0	20.42	19.39	19.4	17.39	21.53	20.46	**20.5**	18.46	21.4	20.36	20.4	18.39	21.28	20.22	20.28	18.26

OUTPUT POWER FOR LTE BAND 66C (20.0MHz + 15.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm)													
							ANT 0				ANT 1				ANT 2				ANT 5			
							QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
20MHz/ 15MHz	1720.0	1737.1	1	99	1	0	**23.41**	**22.83**	**20.74**	18.54	**23.58**	22.44	20.59	18.44	**24.39**	23.56	**21.64**	**19.69**	**23.68**	22.32	20.45	18.33
			1	0	1	74	15.22	15.63	15.57	15.38	15.36	15.16	15.43	15.21	16.3	16.56	16.62	16.35	15.22	15.16	15.24	15.17
			100	0	75	0	21.32	20.3	20.27	18.33	21.49	20.43	20.41	18.42	22.35	21.33	21.38	19.33	21.38	20.35	20.37	18.32
	1747.6	1764.7	1	99	1	0	**23.41**	22.78	20.67	18.48	23.53	**22.5**	20.5	18.41	24.38	23.59	21.45	19.52	23.37	22.29	**20.46**	18.44
			1	0	1	74	15.35	15.72	15.67	15.47	15.36	15.14	15.24	15.27	16.3	16.38	16.55	16.52	15.25	15.19	15.32	15.19
			100	0	75	0	21.33	20.32	20.28	18.33	21.49	20.43	20.44	18.41	22.36	21.32	21.3	19.34	21.39	20.32	20.35	18.35
	1755.1	1772.2	1	99	1	0	23.36	22.56	20.58	**18.67**	23.51	22.44	**20.62**	**18.54**	24.34	**23.6**	21.6	19.31	23.32	**22.48**	20.36	**18.46**
			1	0	1	74	15.3	15.58	15.63	15.47	15.29	15.24	15.44	15.38	16.31	16.38	16.56	16.38	15.16	15.24	15.11	15.29
			100	0	75	0	21.31	20.29	20.25	18.32	21.47	20.41	20.4	18.41	22.35	21.29	21.3	19.33	21.34	20.31	20.33	18.31

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

OUTPUT POWER FOR LTE BAND 66C (20.0MHz + 5.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm)															
							ANT 0				ANT 1				ANT 2				ANT 5			
							QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
20MHz/ 5MHz	1720.0	1731.7	1	99	1	0	23.22	22.55	20.53	18.43	23.43	22.41	20.44	18.38	24.29	23.41	21.63	19.37	**23.69**	22.06	**20.39**	18.28
			1	0	1	24	15.41	15.71	15.76	15.7	15.2	15.02	15.31	15.19	16.67	16.72	17.05	16.88	15.17	14.97	15.33	15.2
			100	0	25	0	21.27	20.21	20.2	18.28	21.46	20.36	20.41	18.41	22.34	21.35	21.36	19.37	21.37	20.3	20.33	**18.34**
	1752.5	1764.2	1	99	1	0	23.23	22.57	**20.54**	18.44	23.39	22.42	20.43	18.54	24.27	**23.51**	**22.89**	19.46	23.24	**22.28**	20.32	18.26
			1	0	1	24	15.46	15.89	15.76	15.74	15.2	15.15	15.28	15.22	16.65	16.8	16.86	16.86	15.13	15.18	15.11	15.1
			100	0	25	0	21.25	20.21	20.21	18.29	21.44	20.38	20.39	18.44	22.34	21.3	21.3	19.34	21.31	20.26	20.29	18.29
	1765.0	1776.7	1	99	1	0	**23.35**	**22.7**	20.53	**18.46**	**23.53**	**22.53**	**20.55**	**18.59**	**24.36**	23.38	21.6	**19.54**	23.27	22.21	20.18	18.14
			1	0	1	24	15.56	15.86	15.78	15.9	15.36	15.32	15.34	15.42	16.66	16.83	16.88	16.77	15.17	15.14	15.05	15.06
			100	0	25	0	21.35	20.33	20.31	18.35	21.58	20.49	20.52	18.51	22.4	21.33	21.34	19.37	21.34	20.31	20.33	18.33

OUTPUT POWER FOR LTE BAND 66C (5.0MHz + 20.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm)															
							ANT 0				ANT 1				ANT 2				ANT 5			
							QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
5MHz/ 20MHz	1713.3	1725.0	1	24	1	0	22.21	21.08	19	17.08	23.2	**22.15**	20.48	**18.59**	23.31	22.11	20.18	18.2	**23.52**	22.3	20.42	18.33
			1	0	1	99	14.06	13.93	13.91	13.94	15.26	15.16	15.37	15.32	15.13	15.01	15.12	15.13	15.25	15.14	15.24	15.13
			25	0	100	0	20.23	19.23	19.22	17.29	21.53	20.5	**20.53**	18.53	21.3	20.28	20.27	18.32	21.38	20.33	20.37	18.31
	1745.8	1757.5	1	24	1	0	**22.29**	**21.22**	19.25	17.25	23.48	22.14	20.38	18.47	**23.68**	**22.25**	**20.36**	18.28	23.32	22.29	**20.44**	**18.42**
			1	0	1	99	14.14	14.02	14.08	14.13	15.3	15.2	15.23	15.32	15.1	14.93	15.23	15.14	15.2	15.19	15.3	15.19
			25	0	100	0	20.3	19.3	19.29	17.34	21.48	20.45	20.48	18.49	21.33	20.29	20.28	**18.33**	21.35	20.32	20.35	18.35
	1758.3	1770.0	1	24	1	0	22.25	21.17	19.27	17.29	**23.49**	22.02	20.48	18.53	23.32	22.05	20.24	18.25	23.31	**22.44**	20.33	**18.42**
			1	0	1	99	14.15	14.12	14.28	14.21	15.24	15.17	15.32	15.19	15.14	15.08	15.15	15.14	15.14	15.22	15.09	15.29
			25	0	100	0	20.29	19.28	**19.3**	**17.36**	21.49	20.47	20.47	18.46	21.29	20.28	20.29	18.29	21.34	20.30	20.33	18.28

OUTPUT POWER FOR LTE BAND 66C (20.0MHz + 20.0MHz)

Bandwidth	PCC Frequency (MHz)	SCC1 Frequency (MHz)	PCC RB Size	PCC RB Offset	SCC1 RB Size	SCC1 RB Offset	Conducted Average (dBm)															
							ANT 0				ANT 1				ANT 2				ANT 5			
							QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
20MHz/ 20MHz	1720.0	1739.8	1	99	1	0	**23.41**	22.27	**20.43**	18.31	23.68	23.72	21.85	19.55	**23.87**	**22.75**	20.43	18.36	23.03	22	**20.97**	18.14
			1	0	1	99	15.15	15.09	15.19	15.09	16.26	16.37	16.71	16.36	15.23	15.08	15.17	15.17	15.19	14.29	15.33	15.16
			100	0	100	0	21.27	20.23	20.24	18.26	22.47	21.41	21.4	19.4	21.39	20.35	20.34	18.36	21.67	20.8	20.82	18.65
	1745.1	1764.9	1	99	1	0	23.34	22.32	20.37	18.21	23.59	23.72	**21.93**	19.6	23.43	22.35	20.41	**18.41**	23.51	**22.91**	**20.97**	18
			1	0	1	99	15.17	15.11	15.25	15.08	16.36	16.59	16.91	16.41	15.2	15.26	15.03	15.17	14.96	14.95	15	15.6
			100	0	100	0	21.26	20.21	20.2	18.25	22.53	21.46	21.43	19.45	21.34	20.3	20.29	18.31	21.7	20.86	20.63	18.51
	1750.2	1770.0	1	99	1	0	23.34	**22.4**	20.22	**18.32**	**23.72**	**23.74**	21.76	**19.63**	23.37	22.37	**20.52**	18.4	**23.55**	22.81	20.12	**18.86**
			1	0	1	99	15.22	15.14	14.96	15.23	16.35	16.45	16.61	16.44	15.2	15.23	15.03	15.28	15.53	15.43	15.53	15.51
			100	0	100	0	21.31	20.26	20.27	18.3	22.52	21.43	21.4	19.44	21.35	20.33	20.3	18.33	21.9	20.63	20.66	18.53

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

9. CONDUCTED TEST RESULTS

9.1. OCCUPIED BANDWIDTH

RULE PART(S)

FCC: §2.1049

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. Only QPSK plots are reported to show setting parameter complies with testing method/procedure.

LTE BAND 5

Band	Mode	RB Allocation/RB Offset	f (MHz)	99% BW (MHz)	- 26dB BW (MHz)
LTE BAND 5	3MHz + 5MHz BAND QPSK	15/0 + 25/0	836.5	7.4947	8.228
	3MHz + 5MHz BAND 16QAM			7.4981	8.242
	5MHz + 3MHz BAND QPSK	25/0 + 15/0		7.4986	8.268
	5MHz + 3MHz BAND 16QAM			7.5040	8.304
	5MHz + 10MHz BAND QPSK	25/0 + 50/0		13.804	14.73
	5MHz + 10MHz BAND 16QAM			13.833	14.88
	10MHz + 5MHz BAND QPSK	50/0 + 25/0		13.825	14.73
	10MHz + 5MHz BAND 16QAM			13.830	14.72
	10MHz + 10MHz BAND QPSK	50/0 + 50/0		18.752	20.33
	10MHz + 10MHz BAND 16QAM			18.767	20.37

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

LTE Band 7

Band	Mode	RB Allocation/RB Offset	f (MHz)	99% BW (MHz)	- 26dB BW (MHz)
LTE BAND 7	10MHz + 20MHz BAND QPSK	50/0 + 100/0	2535	28.109	30.66
	10MHz + 20MHz BAND 16QAM			27.931	30.46
	20MHz + 10MHz BAND QPSK	100/0 + 50/0		28.029	30.54
	20MHz + 10MHz BAND 16QAM			27.881	30.36
	15MHz + 15MHz BAND QPSK	75/0 + 75/0		28.673	31.43
	15MHz + 15MHz BAND 16QAM			28.467	31.20
	15MHz + 20MHz BAND QPSK	75/0 + 100/0		32.755	35.44
	15MHz + 20MHz BAND 16QAM			32.765	35.50
	20MHz + 15MHz BAND QPSK	100/0 + 75/0		32.787	35.64
	20MHz + 15MHz BAND 16QAM			32.697	35.50
	20MHz + 20MHz BAND QPSK	100/0 + 100/0		37.603	40.34
	20MHz + 20MHz BAND 16QAM			37.587	40.23

LTE BAND 41 (FCC)

Band	Mode	RB Allocation/RB Offset	f (MHz)	99% BW (MHz)	- 26dB BW (MHz)
LTE BAND 41 (FCC)	5MHz + 20MHz BAND QPSK	25/0 + 100/0	2593	23.454	25.85
	5MHz + 20MHz BAND 16QAM			23.431	25.56
	20MHz + 5MHz BAND QPSK	100/0 + 25/0		23.480	25.65
	20MHz + 5MHz BAND 16QAM			23.407	25.62
	10MHz + 20MHz BAND QPSK	50/0 + 100/0		28.189	30.84
	10MHz + 20MHz BAND 16QAM			28.098	30.49
	20MHz + 10MHz BAND QPSK	100/0 + 50/0		28.191	30.80
	20MHz + 10MHz BAND 16QAM			28.188	30.73
	15MHz + 15MHz BAND QPSK	75/0 + 75/0		28.658	31.52
	15MHz + 15MHz BAND 16QAM			28.723	31.42
	15MHz + 20MHz BAND QPSK	75/0 + 100/0		33.067	35.95
	15MHz + 20MHz BAND 16QAM			32.872	35.59
	20MHz + 15MHz BAND QPSK	100/0 + 75/0		33.071	36.19
	20MHz + 15MHz BAND 16QAM			33.035	36.03
	20MHz + 20MHz BAND QPSK	100/0 + 100/0		37.396	38.76
	20MHz + 20MHz BAND 16QAM			37.428	38.79

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

LTE BAND 41 (IC)

Band	Mode	RB Allocation/RB Offset	f (MHz)	99% BW (MHz)	- 26dB BW (MHz)
LTE BAND 41	5MHz + 20MHz BAND QPSK	25/0 + 100/0	2595	23.412	25.54
	5MHz + 20MHz BAND 16QAM			23.413	25.54
	20MHz + 5MHz BAND QPSK	100/0 + 25/0		23.500	25.75
	20MHz + 5MHz BAND 16QAM			23.469	25.80
	10MHz + 20MHz BAND QPSK	50/0 + 100/0		28.240	30.70
	10MHz + 20MHz BAND 16QAM			28.162	30.82
	20MHz + 10MHz BAND QPSK	100/0 + 50/0		28.335	30.97
	20MHz + 10MHz BAND 16QAM			28.302	31.10
	15MHz + 15MHz BAND QPSK	75/0 + 75/0		28.817	31.77
	15MHz + 15MHz BAND 16QAM			28.731	31.75
	15MHz + 20MHz BAND QPSK	75/0 + 100/0		33.043	35.91
	15MHz + 20MHz BAND 16QAM			32.994	35.90
	20MHz + 15MHz BAND QPSK	100/0 + 75/0		33.024	35.97
	20MHz + 15MHz BAND 16QAM			33.014	36.06
	20MHz + 20MHz BAND QPSK	100/0 + 100/0		37.937	40.98
	20MHz + 20MHz BAND 16QAM			37.889	40.92

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

LTE BAND 66B

Band	Mode	RB Allocation/RB Offset	f (MHz)	99% BW (MHz)	- 26dB BW (MHz)
LTE BAND 66	5MHz + 5MHz BAND QPSK	25/0 + 25/0	1745.0	9.1880	9.795
	5MHz + 5MHz BAND 16QAM			9.1918	9.744
	5MHz + 10MHz BAND QPSK	25/0 + 50/0		13.731	14.40
	5MHz + 10MHz BAND 16QAM			13.726	14.62
	10MHz + 5MHz BAND QPSK	50/0 + 25/0		13.790	14.43
	10MHz + 5MHz BAND 16QAM			13.794	14.63
	5MHz + 15MHz BAND QPSK	25/0 + 75/0		18.022	18.91
	5MHz + 15MHz BAND 16QAM			18.038	18.90
	15MHz + 5MHz BAND QPSK	75/0 + 25/0		18.137	19.04
	15MHz + 5MHz BAND 16QAM			18.137	19.15
	10MHz + 10MHz BAND QPSK	10/0 + 10/0		18.624	19.54
	10MHz + 10MHz BAND 16QAM			18.618	19.54

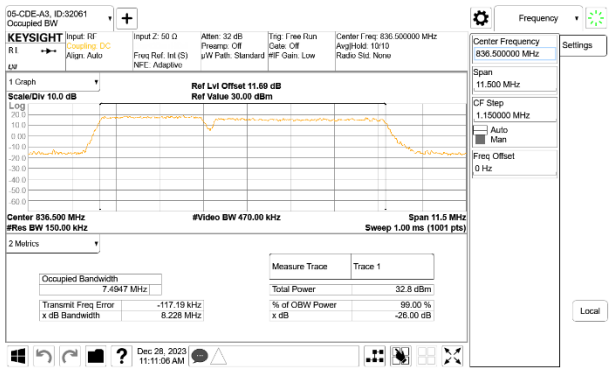
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

LTE BAND 66C

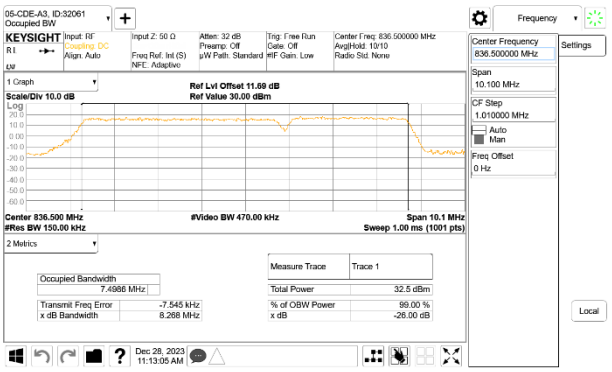
Band	Mode	RB Allocation/RB Offset	f (MHz)	99% BW (MHz)	- 26dB BW (MHz)
LTE66	10MHz + 15MHz BAND QPSK	50/0 + 75/0	1745.0	23.009	24.50
	10MHz + 15MHz BAND 16QAM			23.024	24.52
	15MHz + 10MHz BAND QPSK	75/0 + 50/0		23.023	24.62
	15MHz + 10MHz BAND 16QAM			23.050	24.60
	10MHz + 20MHz BAND QPSK	50/0 + 100/0		27.565	29.20
	10MHz + 20MHz BAND 16QAM			27.851	29.14
	20MHz + 10MHz BAND QPSK	100/0 + 50/0		27.653	29.34
	20MHz + 10MHz BAND 16QAM			27.649	29.26
	15MHz + 15MHz BAND QPSK	75/0 + 75/0		28.181	29.80
	15MHz + 15MHz BAND 16QAM			28.156	29.84
	15MHz + 20MHz BAND QPSK	75/0 + 100/0		32.457	34.23
	15MHz + 20MHz BAND 16QAM			32.433	34.12
	20MHz + 15MHz BAND QPSK	100/0 + 75/0		32.468	34.18
	20MHz + 15MHz BAND 16QAM			32.490	34.20
	20MHz + 5MHz BAND QPSK	100/0 + 25/0		22.869	24.36
	20MHz + 5MHz BAND 16QAM			22.863	24.40
	5MHz + 20MHz BAND QPSK	25/0 + 100/0		22.731	24.12
	5MHz + 20MHz BAND 16QAM			22.759	24.11
	20MHz + 20MHz BAND QPSK	100/0 + 100/0		37.408	39.24
	20MHz + 20MHz BAND 16QAM			37.418	39.22

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

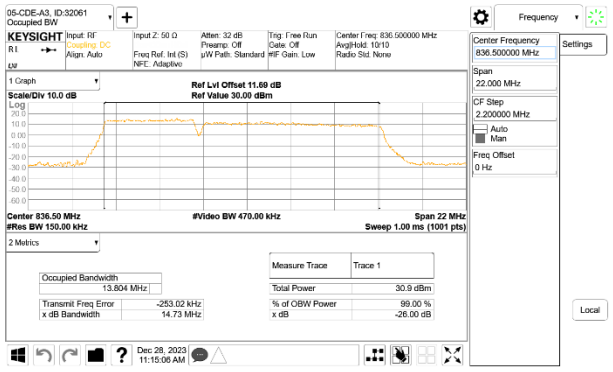
9.1.1. LTE BAND 5B



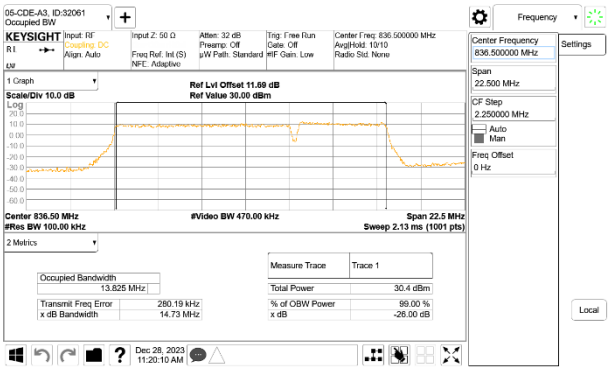
LTE B5 3MHz + 5MHz QPSK RB15-0 + RB25-0



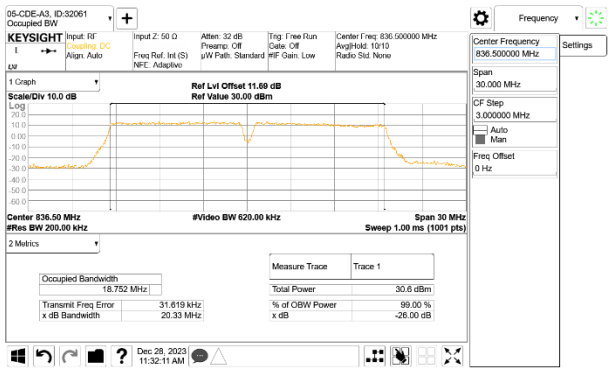
LTE B5 5MHz + 3MHz QPSK RB25-0 + RB15-0



LTE B5 5MHz + 10MHz QPSK RB25-0 + RB50-0



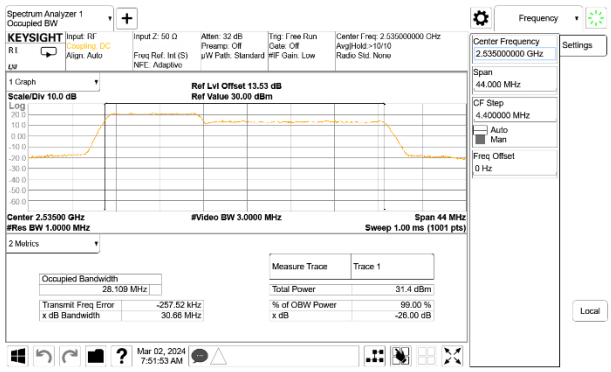
LTE B5 10MHz + 5MHz QPSK RB50-0 + RB25-0



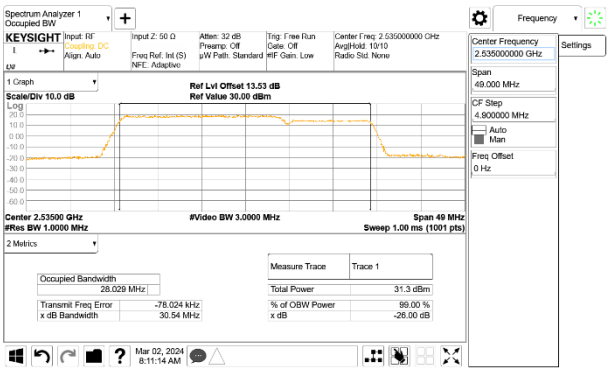
LTE B5 10MHz + 10MHz QPSK RB50-0 + RB50-0

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

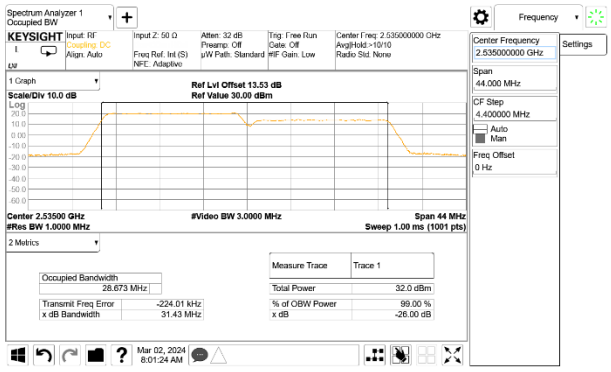
9.1.2. LTE BAND 7C



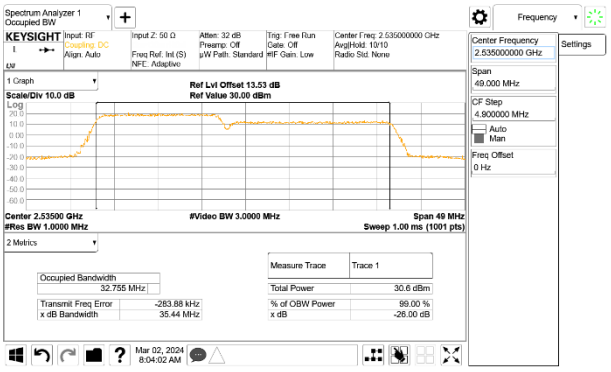
LTE B7 10MHz + 20MHz QPSK RB50-0 + RB100-0 ID:32061



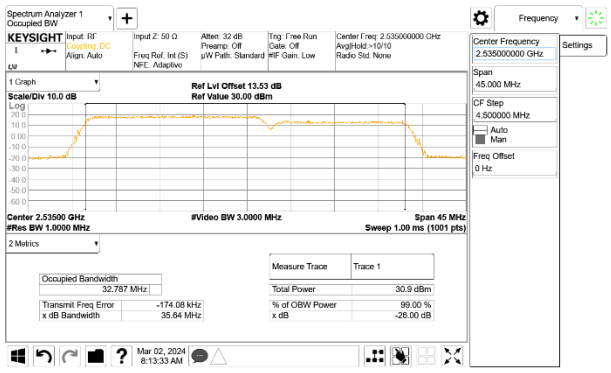
LTE B7 20MHz + 10MHz QPSK RB100-0 + RB50-0 ID:32061



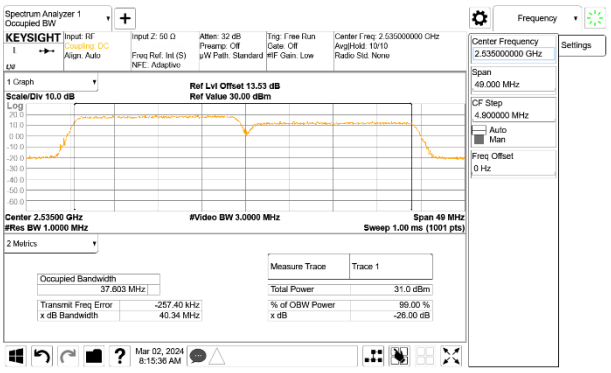
LTE B7 15MHz + 15MHz QPSK RB75-0 + RB75-0 ID:32061



LTE B7 15MHz + 20MHz QPSK RB75-0 + RB100-0 ID:32061



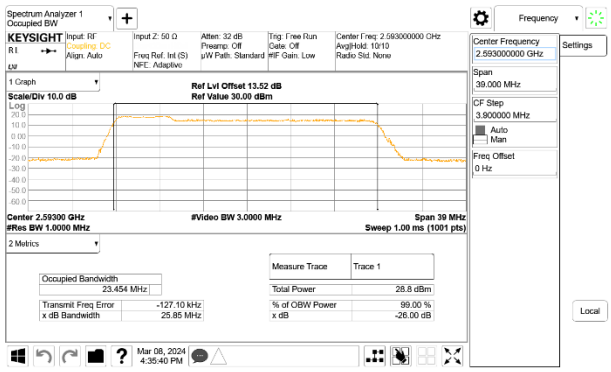
LTE B7 20MHz + 15MHz QPSK RB100-0 + RB75-0 ID:32061



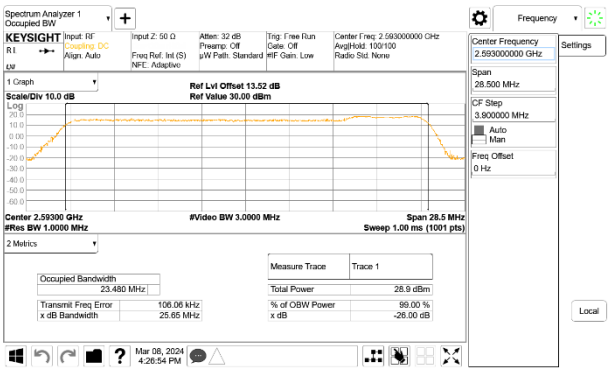
LTE B7 20MHz + 20MHz QPSK RB100-0 + RB100-0 ID:32061

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

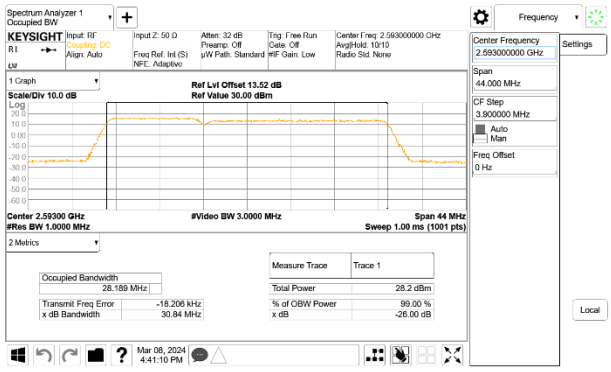
9.1.3. LTE BAND 41C



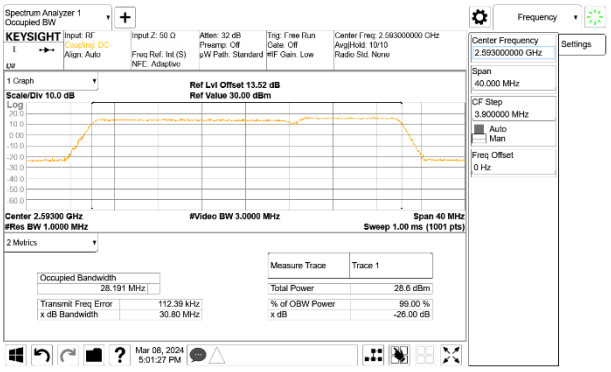
LTE B41 5MHz + 20MHz QPSK RB25-0 + RB100-0 ID:32061



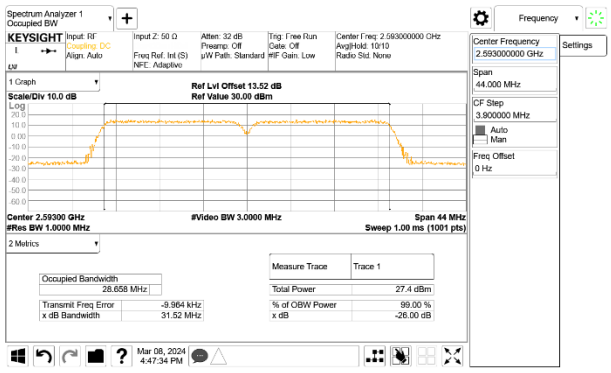
LTE B41 20MHz + 5MHz QPSK RB100-0 + RB25-0 ID:32061



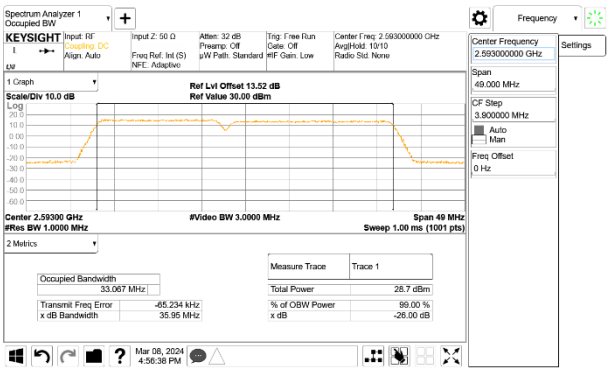
LTE B41 10MHz + 20MHz QPSK RB50-0 + RB100-0 ID:32061



LTE B41 20MHz + 10MHz QPSK RB100-0 + RB50-0 ID:32061

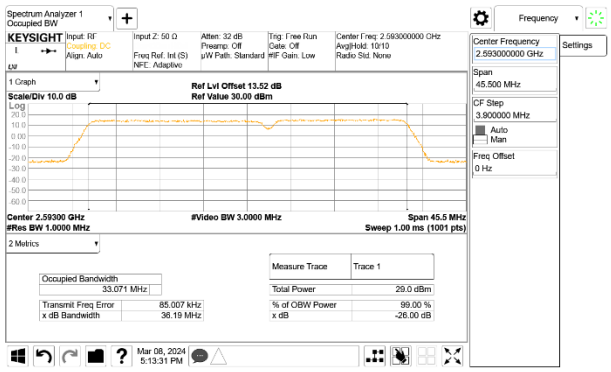


LTE B41 15MHz + 15MHz QPSK RB75-0 + RB75-0 ID:32061

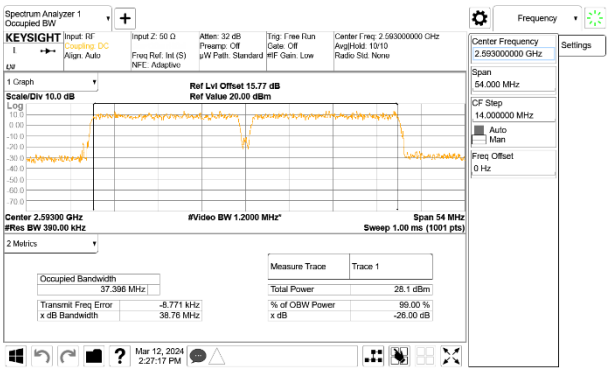


LTE B41 15MHz + 20MHz QPSK RB75-0 + RB100-0 ID:32061

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



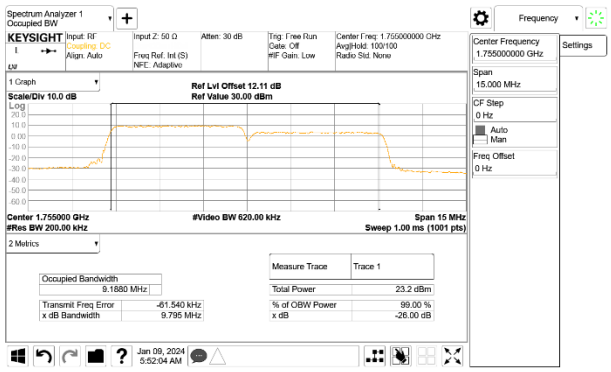
LTE B41 20MHz + 15MHz QPSK RB100-0 + RB75-0 ID:32061



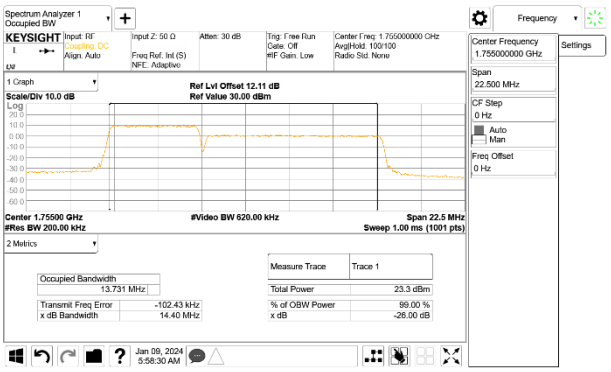
LTE B41 20MHz + 20MHz QPSK RB100-0 + RB100-0 ID:32061

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

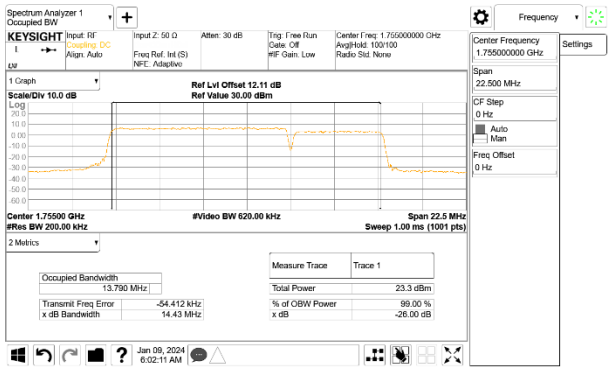
9.1.4. LTE BAND 66B



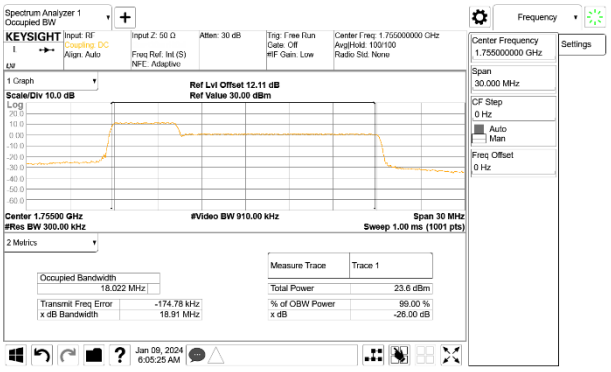
LTE B66B 5MHz + 5MHz QPSK RB25-0 + RB25-0 ID:32061



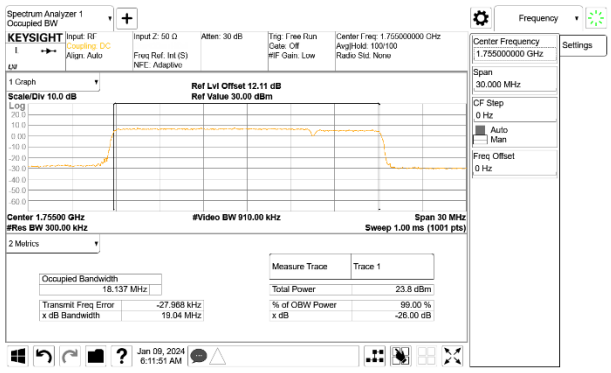
LTE B66B 5MHz + 10MHz QPSK RB25-0 + RB50-0 ID:32061



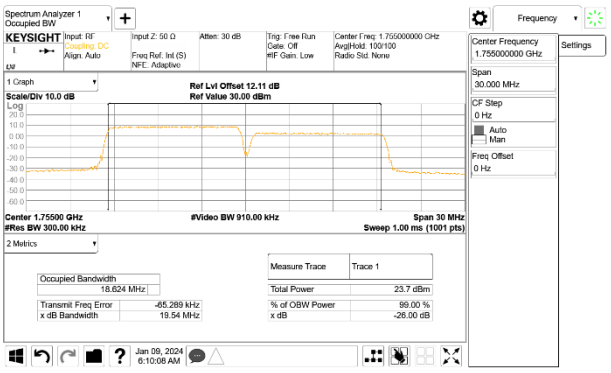
LTE B66B 10MHz + 5MHz QPSK RB50-0 + RB25-0 ID:32061



LTE B66B 5MHz + 15MHz QPSK RB25-0 + RB75-0 ID:32061



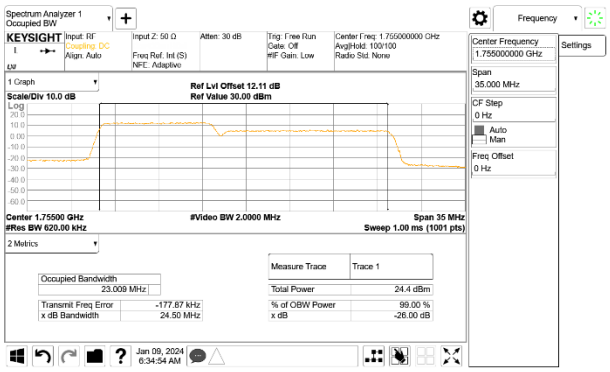
LTE B66B 15MHz + 5MHz QPSK RB75-0 + RB25-0 ID:32061



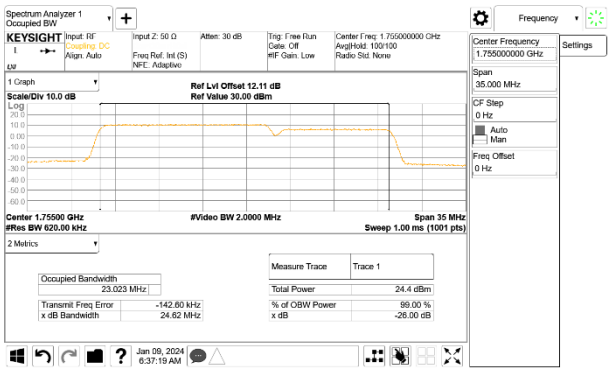
LTE B66B 10MHz + 10MHz QPSK RB50-0 + RB50-0 ID:32061

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

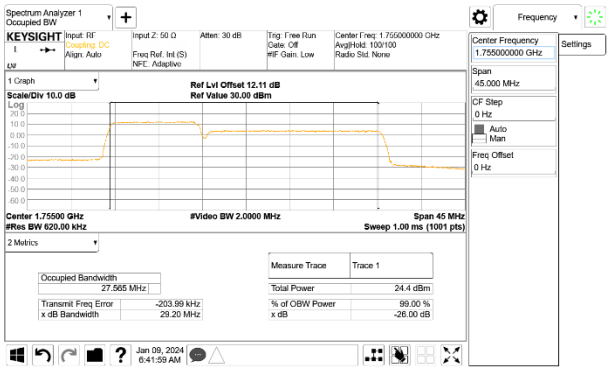
9.1.5. LTE BAND 66C



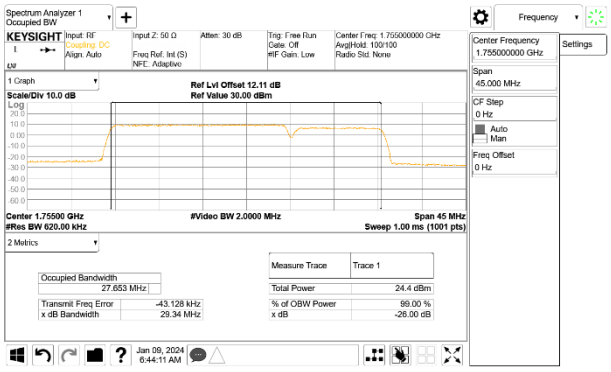
LTE B66C 10MHz + 15MHz QPSK RB50-0 + RB75-0 ID:32061



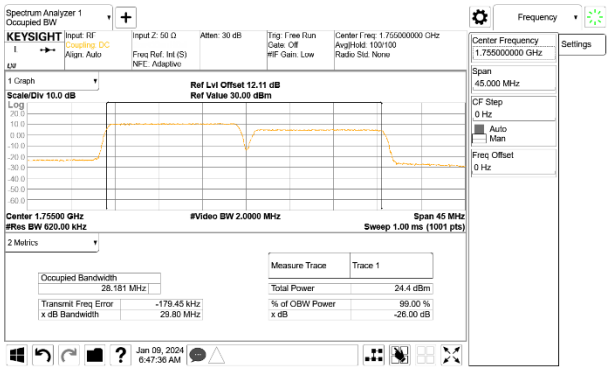
LTE B66C 15MHz + 10MHz QPSK RB75-0 + RB50-0 ID:32061



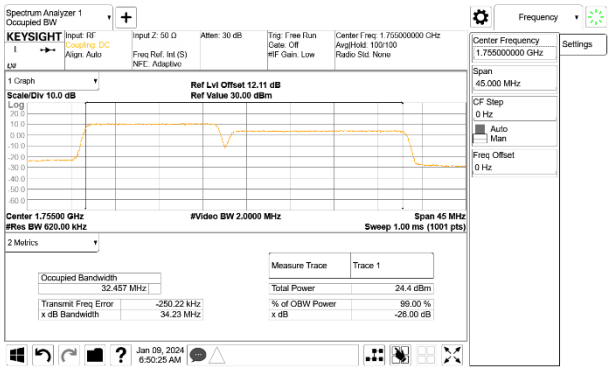
LTE B66C 10MHz + 20MHz QPSK RB50-0 + RB100-0 ID:32061



LTE B66C 20MHz + 10MHz QPSK RB100-0 + RB50-0 ID:32061

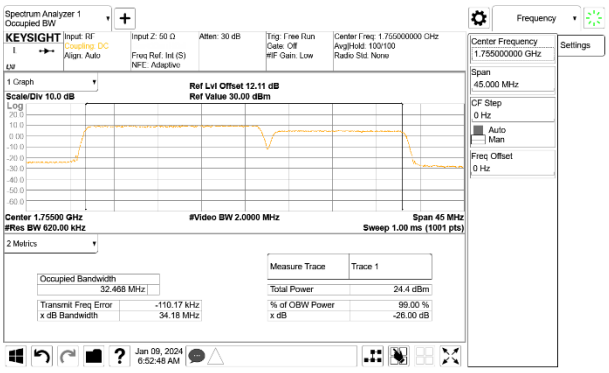


LTE B66C 15MHz + 15MHz QPSK RB75-0 + RB75-0 ID:32061

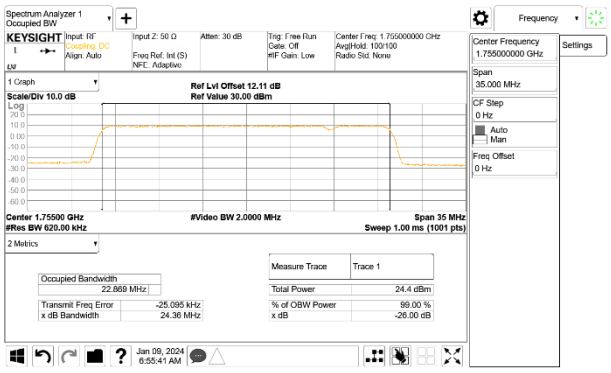


LTE B66C 15MHz + 20MHz QPSK RB75-0 + RB100-0 ID:32061

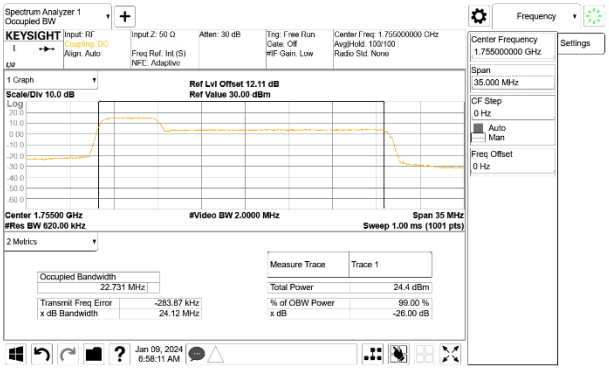
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



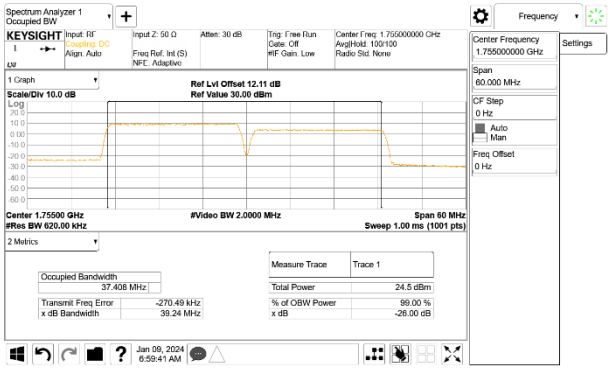
LTE B66C 20MHz + 15MHz QPSK RB100-0 + RB75-0 ID:32061



LTE B66C 20MHz + 5MHz QPSK RB100-0 + RB25-0 ID:32061



LTE B66C 5MHz + 20MHz QPSK RB25-0 + RB100-0 ID:32061



LTE B66C 20MHz + 20MHz QPSK RB100-0 + RB100-0 ID:32061

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

9.2. EMISSION MASK AND ADJACENT CHANNEL POWER

TEST PROCEDURE

The transmitter output was connected to a R&S CMW500 Test Set 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:

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

TEST PROCEDURE FOR FCC PART 27

(m)(6) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, 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; for mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed, except when the 1 megahertz band is 2495-2496 MHz, in which case a resolution bandwidth of at least one percent may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 megahertz or 1 percent of emission bandwidth, as specified; or 1 megahertz or 2 percent for mobile digital stations, except in the band 2495-2496 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. With respect to television operations, measurements must be made of the separate visual and aural operating powers at sufficiently frequent intervals to ensure compliance with the rules.

TEST PROCEDURE FOR FCC PART 96

(3) Measurement procedure.
(i) Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's authorized frequency channel, a resolution bandwidth of no less than one percent of the fundamental emission bandwidth may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full reference bandwidth (i.e.,1 MHz or 1 percent of emission bandwidth, as specified). The fundamental emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

(ii) When measuring unwanted emissions to demonstrate compliance with the limits, the CBSD and End User Device nominal carrier frequency/channel shall be adjusted as close to the licensee's authorized frequency block edges, both upper and lower, as the design permits.

(iii) Compliance with emission limits shall be demonstrated using either average (RMS)-detected or peak-detected power measurement techniques.

RESULTS

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

9.2.1. LTE BAND 5B

LIMITS

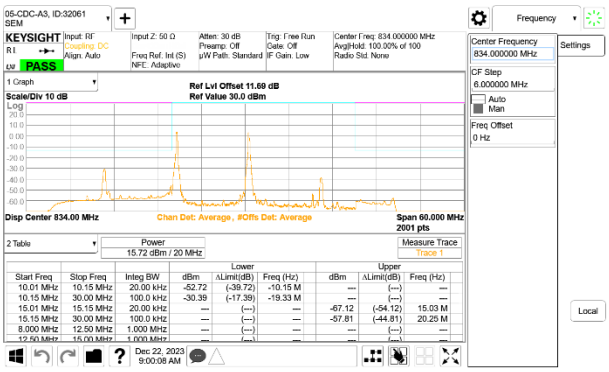
FCC: §22.917
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.

Equipment shall meet the unwanted emission limits specified below:

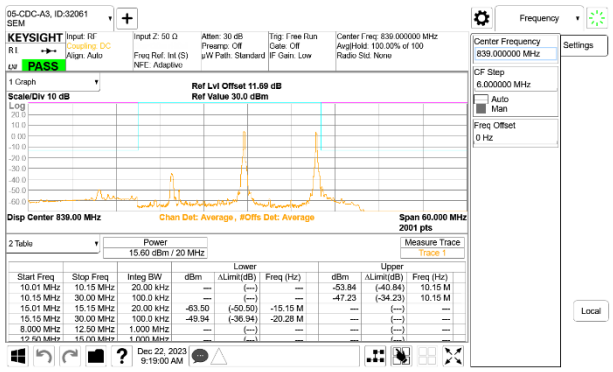
(i) In the first 1.0 MHz band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1% of the occupied bandwidth shall be attenuated below the transmitter output power P (dBW) by at least 43 + 10 log(p) dB.

(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.

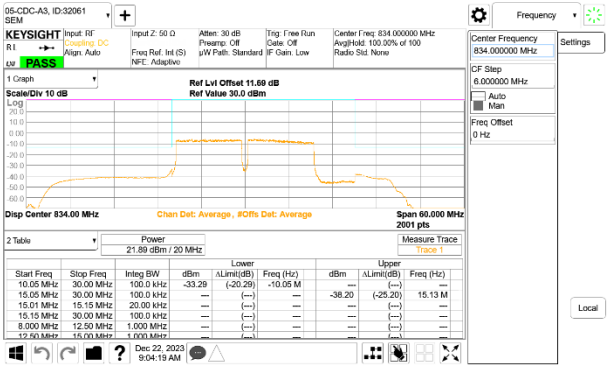
p is the output power specified in watts.



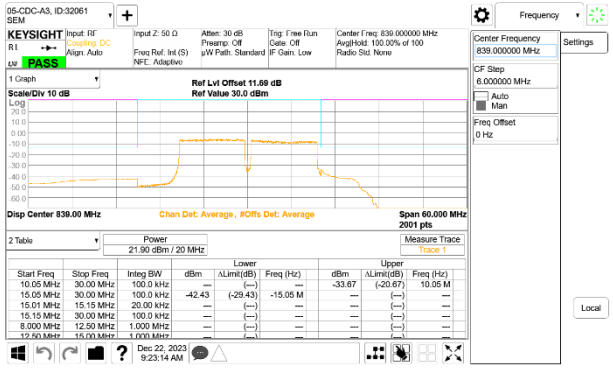
LTE B5 10MHz + 10MHz QPSK Low Ch RB1-0 + RB1-0



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

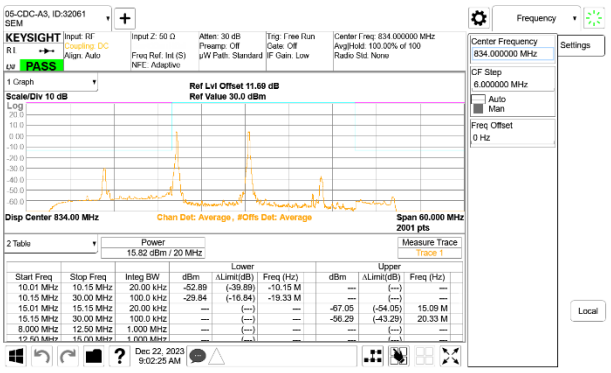


LTE B5 10MHz + 10MHz QPSK Low Ch RB50-0 + RB50-0

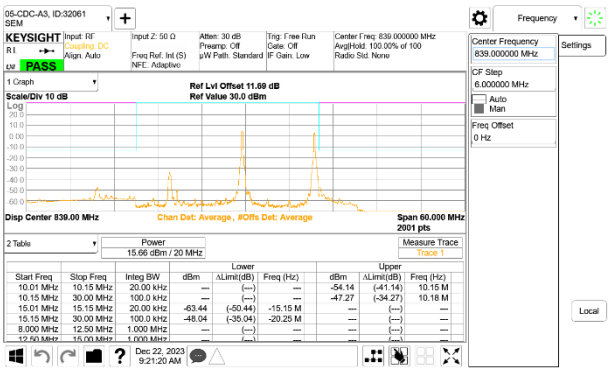


LTE B5 10MHz + 10MHz QPSK High Ch RB50-0 + RB50-0

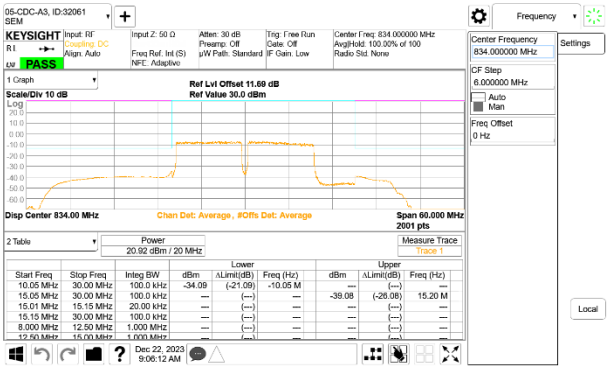
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



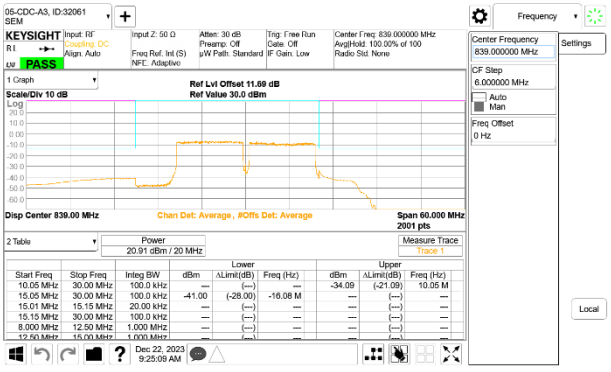
LTE B5 10MHz + 10MHz 16QAM Low Ch RB1-0 + RB1-0



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



LTE B5 10MHz + 10MHz 16QAM Low Ch RB50-0 + RB50-0



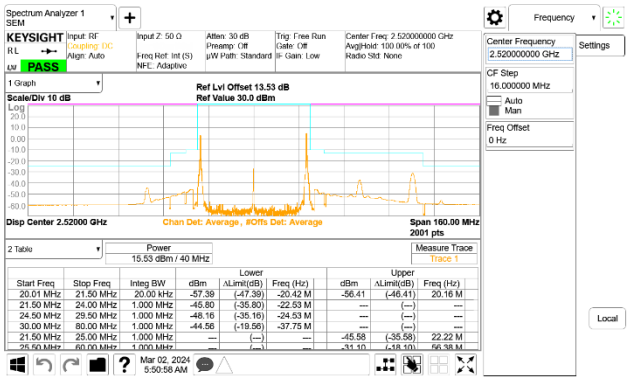
LTE B5 10MHz + 10MHz 16QAM High Ch RB50-0 + RB50-0

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

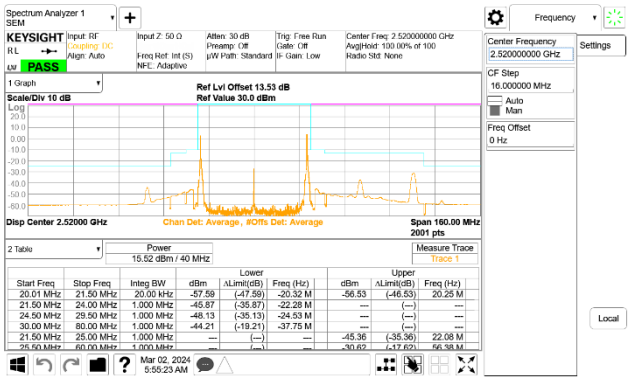
9.2.2. LTE BAND 7C

LIMITS

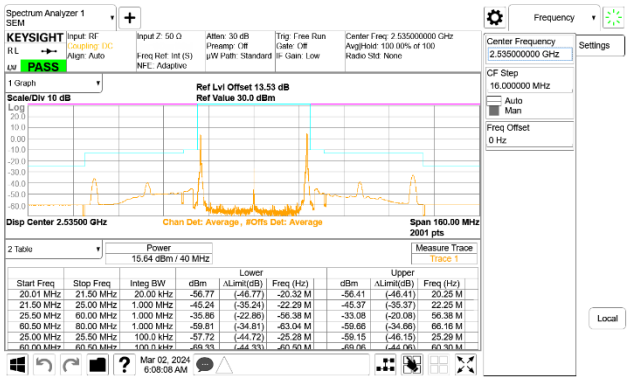
FCC: §27.53(m)(4) For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.



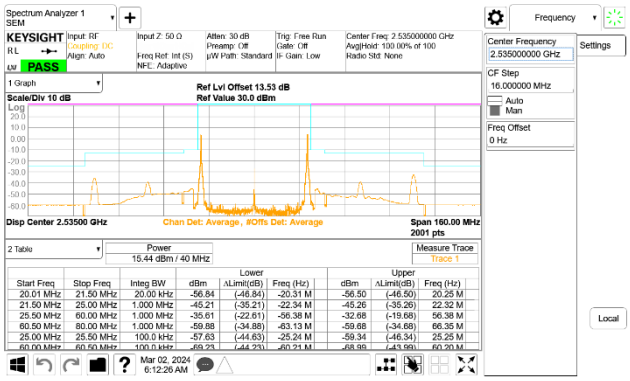
LTE B7 20MHz + 20MHz QPSK Low Ch RB1-0 + RB1-99 ID:32061



LTE B7 20MHz + 20MHz 16QAM Low Ch RB1-0 + RB1-99 ID:32061

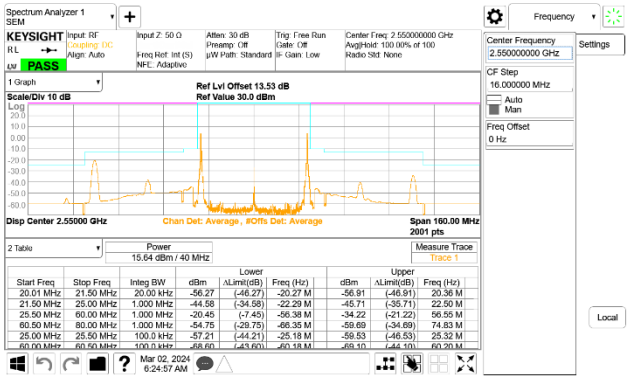


LTE B7 20MHz + 20MHz QPSK Mid Ch RB1-0 + RB1-99 ID:32061

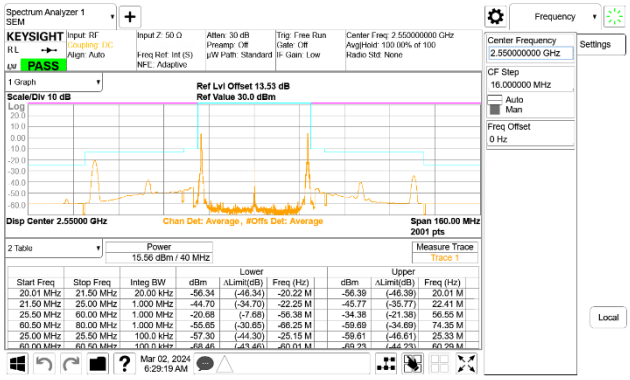


LTE B7 20MHz + 20MHz 16QAM Mid Ch RB1-0 + RB1-99 ID:32061

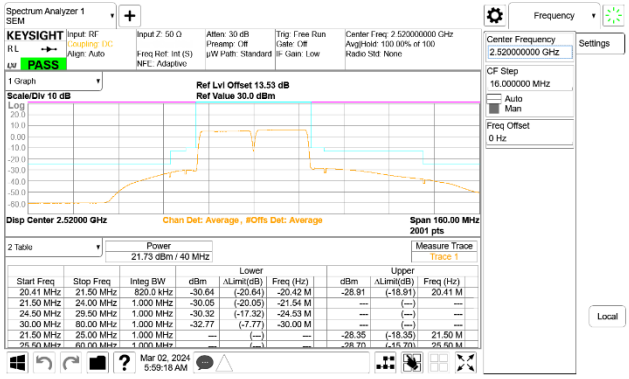
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



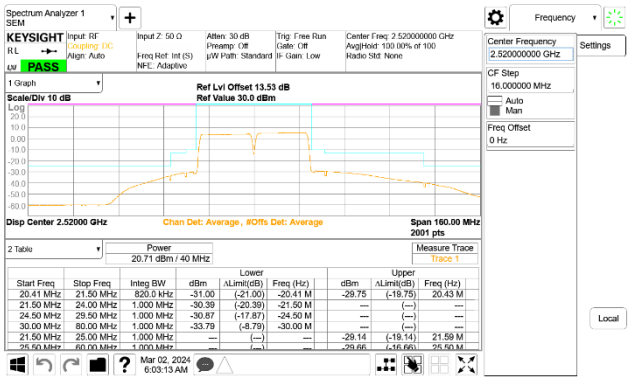
LTE B7 20MHz + 20MHz QPSK High Ch RB1-0 + RB1-99 ID:32061



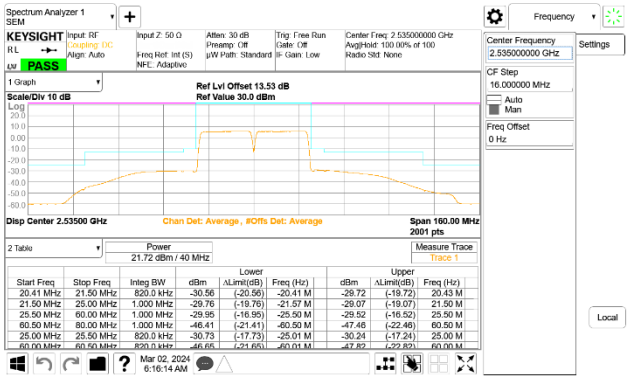
LTE B7 20MHz + 20MHz 16QAM High Ch RB1-0 + RB1-99 ID:32061



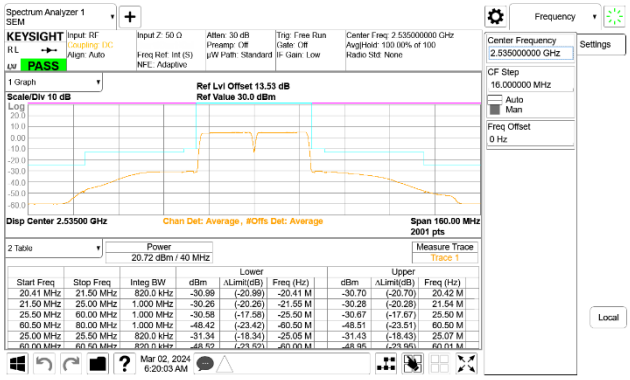
LTE B7 20MHz + 20MHz QPSK Low Ch RB100-0 + RB100-0 ID:32061



LTE B7 20MHz + 20MHz 16QAM Low Ch RB100-0 + RB100-0 ID:32061

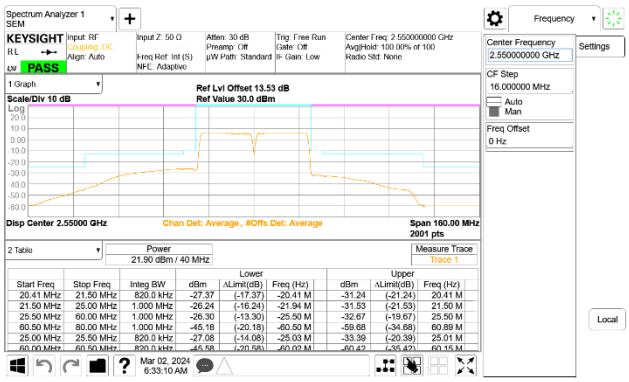


LTE B7 20MHz + 20MHz QPSK Mid Ch RB100-0 + RB100-0 ID:32061

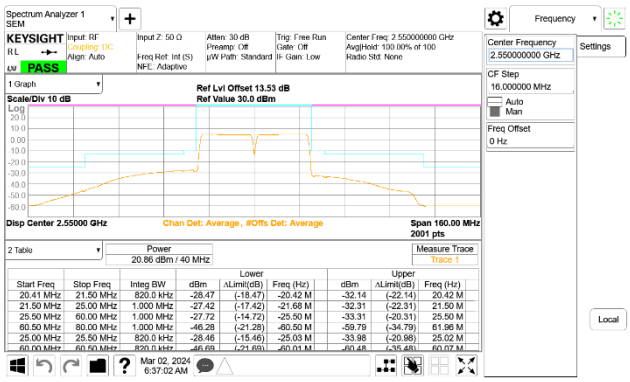


LTE B7 20MHz + 20MHz 16QAM Mid Ch RB100-0 + RB100-0 ID:32061

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



LTE B7 20MHz + 20MHz QPSK High Ch RB100-0 + RB100-0 ID:32061



LTE B7 20MHz + 20MHz 16QAM High Ch RB100-0 + RB100-0 ID:32061

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.