

TEST REPORT

Report Number: 15941282-E16V2

Applicant : APPLE
1 APPLE PARK WAY
CUPERTINO, CA 95014, USA

Model : A3575

Brand : APPLE

FCC ID : BCG-E9145A

IC : 579C-E9145A

EUT Description : SMARTPHONE

Test Standard(s) : FCC 47 CFR PART 2, PART 27
ISED RSS-GEN ISSUE 5 + A1 + A2, RSS-139 ISSUE 4

Date Of Issue:
2025-12-22

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Revision History

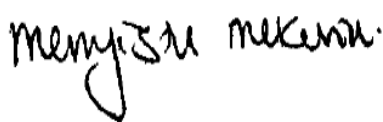
Rev.	Issue Date	Revisions	Revised By
V1	2025-12-17	Initial Review	--
V2	2025-12-22	Addressed TCB feedbacks and updated Sections 6.5 and Table of Contents	Binod Sitaula

TABLE OF CONTENTS

1. ATTESTATION OF TEST RESULTS	5
2. SUMMARY OF TEST RESULTS	6
3. TEST METHODOLOGY	7
4. FACILITIES AND ACCREDITATION	7
5. DECISION RULES AND MEASUREMENT UNCERTAINTY	8
5.1. METROLOGICAL TRACEABILITY	8
5.2. DECISION RULES	8
5.3. MEASUREMENT UNCERTAINTY	8
5.4. SAMPLE CALCULATION.....	8
6. EQUIPMENT UNDER TEST	9
6.1. DESCRIPTION OF EUT	9
6.2. MAXIMUM OUTPUT POWER.....	9
6.3. SOFTWARE AND FIRMWARE	11
6.4. MAXIMUM ANTENNA GAIN AND MAXIMUM ALLOWED OUTPUT POWER	11
6.5. WORST-CASE CONFIGURATION AND MODE	12
6.6. DESCRIPTION OF TEST SETUP.....	13
7. TEST AND MEASUREMENT EQUIPMENT	15
8. RF OUTPUT POWER MEASUREMENTS	16
8.1. LTE BAND 66.....	17
8.2. 5G NR n66	20
9. CONDUCTED TEST RESULTS.....	25
9.1. OCCUPIED BANDWIDTH.....	25
9.1.1. LTE BAND 66.....	28
9.1.2. 5G NR n66	30
9.2. EMISSION MASK AND ADJACENT CHANNEL POWER	32
9.2.1. LTE BAND 66.....	33
9.2.2. 5G NR n66	37
9.3. OUT OF BAND EMISSIONS.....	43
9.3.1. LTE BAND 66.....	44
9.3.2. 5G NR n66	45

9.4.	FREQUENCY STABILITY	46
9.4.1.	LTE BAND 66 (QPSK 20MHz BANDWIDTH)	47
9.4.2.	5G NR n66 (BPSK 45MHz BANDWIDTH)	47
9.5.	PEAK-TO-AVERAGE POWER RATIO	48
9.5.1.	LTE BAND 66.....	49
9.5.2.	5G NR n66	49
10.	RADIATED TEST RESULTS	51
10.1.	FIELD STRENGTH OF SPURIOUS RADIATION	55
10.1.1.	LTE BAND 66	56
10.1.2.	5G NR n66.....	60
11.	SETUP PHOTOS.....	64

1. ATTESTATION OF TEST RESULTS

Applicant Name and Address	APPLE 1 APPLE PARK WAY CUPERTINO, CA 95014, USA	
Model	A3575	
Brand	APPLE	
FCC ID	BCG-E9145A	
IC	579C-E9145A	
EUT Description	SMARTPHONE	
Serial Number	RADIATED: LC6LHVFKXR, PL6HC41W00 CONDUCTED: C07HJ00001H00016M2, C07HM3000MK00016LY, C07HM3000Q500016LY	
Sample Receipt Date	2025-07-29	
Date Tested	2025-07-29 to 2025-11-13	
Applicable Standards	FCC 47 CFR PART 2, PART 27 ISED RSS-GEN ISSUE 5 + A1 + A2, RSS-139 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.		
		
Mengistu Mekuria Staff Engineer UL Verification Services Inc.	Tewodros Woldemichael Laboratory Engineer UL Verification Services Inc.	Matthew Wu 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 the list of data provided by the customer:

1. Antenna gain and type (see section 6.4)

Requirement Description	Requirement Clause Number (FCC)	Requirement Clause Number (ISED)	Result	Remarks
Equivalent Isotropic Radiated Power	27.50 (d) (4)	RSS139§5.5		
Occupied Bandwidth	2.1049	RSS-GEN§6.7, RSS139		
Band Edge and Emission Mask	2.1051, 27.53 (h)	RSS139§5.6		
Out of Band Emissions	2.1051, 27.53 (h)	RSS139§5.6		
Frequency Stability	2.1055, 27.54	RSS139§5.4		
Peak-to-Average Ratio	27.50 (d) (5)	RSS139§5.5		
Field Strength of Spurious Radiation	2.1051, 27.53 (h)	RSS139§5.6		

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 27
- [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
- ISED RSS-Gen Issue 5 + A1 + A2, RSS-139 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 GSM, GPRS, EGPRS, WCDMA, LTE, 5G NR1, IEEE 802.11a/b/g/n/ac/ax, Bluetooth (BT), Global Positioning System (GPS), Near-Field Communication (NFC) 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 tables below contain the highest of all configurations average conducted and peak EIRP output powers as follows:

LTE BAND 66

Part 27 / RSS 139									
EIRP Limit (W)		1.00							
Antenna Gain (dBi) Ant1		-0.30							
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	99% BW (kHz)	Emission Designator
1.4	QPSK	1710.7	1779.3	25.70	25.40	0.347	1.111	1111	1M11G7W
	16QAM			24.70	24.40	0.275	1.104	1104	1M10D7W
3.0	QPSK	1711.5	1778.5	25.70	25.40	0.347	2.705	2705	2M71G7W
	16QAM			24.70	24.40	0.275	2.712	2712	2M71D7W
5.0	QPSK	1712.5	1777.5	25.70	25.40	0.347	4.511	4511	4M51G7W
	16QAM			24.70	24.40	0.275	4.518	4518	4M52D7W
10.0	QPSK	1715.0	1775.0	25.70	25.40	0.347	9.009	9009	9M01G7W
	16QAM			24.70	24.40	0.275	9.022	9022	9M02D7W
15.0	QPSK	1717.5	1772.5	25.70	25.40	0.347	13.503	13503	13M5G7W
	16QAM			24.70	24.40	0.275	13.502	13502	13M5D7W
20.0	QPSK	1720.0	1770.0	25.70	25.40	0.347	17.970	17970	18M0G7W
	16QAM			24.70	24.40	0.275	17.971	17971	18M0D7W

5G NR n66

Part 27/ RSS 139									
EIRP Limit (W)		1.00							
Antenna Gain (dBi) Ant1		-0.30							
Bandwidth (MHz)	Modulation	Low Frequency (MHz)	Upper Frequency (MHz)	Conducted Average (dBm)	EIRP Average (dBm)	EIRP Average (W)	99% BW (MHz)	99% BW (kHz)	Emission Designator
5.0	BPSK	1712.5	1777.5	25.70	25.40	0.347	4.499	4499	4M50G7W
	QPSK			25.62	25.32	0.340	4.474	4474	4M47G7W
	16QAM			24.70	24.40	0.275	4.492	4492	4M49D7W
10.0	BPSK	1715.0	1775.0	25.70	25.40	0.347	8.972	8972	8M97G7W
	QPSK			25.65	25.35	0.343	8.965	8965	8M97G7W
	16QAM			24.70	24.40	0.275	8.991	8991	8M99D7W
15.0	BPSK	1717.5	1772.5	25.70	25.40	0.347	13.444	13444	13M4G7W
	QPSK			25.55	25.25	0.335	13.437	13437	13M4G7W
	16QAM			24.58	24.28	0.268	13.477	13477	13M5D7W
20.0	BPSK	1720.0	1770.0	25.70	25.40	0.347	17.926	17926	17M9G7W
	QPSK			25.57	25.27	0.337	17.898	17898	17M9G7W
	16QAM			24.57	24.27	0.267	17.93	17930	17M9D7W
25.0	BPSK	1722.5	1767.5	25.70	25.40	0.347	22.933	22933	22M9G7W
	QPSK			25.57	25.27	0.337	22.877	22877	22M9G7W
	16QAM			24.65	24.35	0.272	22.956	22956	23M0D7W
30.0	BPSK	1725.0	1765.0	25.70	25.40	0.347	28.717	28717	28M7G7W
	QPSK			25.70	25.40	0.347	28.589	28589	28M6G7W
	16QAM			24.66	24.36	0.273	28.704	28704	28M7D7W
35.0	BPSK	1727.5	1762.5	25.70	25.40	0.347	32.283	32283	32M3G7W
	QPSK			25.62	25.32	0.340	32.15	32150	32M2G7W
	16QAM			24.69	24.39	0.275	32.282	32282	32M3D7W
40.0	BPSK	1730.0	1760.0	25.70	25.40	0.347	38.749	38749	38M7G7W
	QPSK			25.51	25.21	0.332	38.674	38674	38M7G7W
	16QAM			24.53	24.23	0.265	38.75	38750	38M8D7W
45.0	BPSK	1732.5	1757.5	25.70	25.40	0.347	42.982	42982	43M0G7W
	QPSK			25.44	25.14	0.327	42.972	42972	43M0G7W
	16QAM			24.70	24.40	0.275	43.029	43029	43M0D7W

6.3. SOFTWARE AND FIRMWARE

The EUT firmware installed during testing was version 2.00.60-7.

6.4. MAXIMUM ANTENNA GAIN AND MAXIMUM ALLOWED OUTPUT POWER

The IFA antenna(s) gain, as provided by the manufacturer are as follows:

Bands	Frequency Range (MHz)	Antenna Gain (dBi)				Max Allowed Conducted Output Power (dBm)				ERP/EIRP (dBm)			
		ANT1	ANT2	ANT3	ANT4	ANT1	ANT2	ANT3	ANT4	ANT1	ANT2	ANT3	ANT4
LTE Band 66	1710 – 1780	-0.30	-2.30	0.10	-1.60	25.70	25.70	25.20	24.20	25.40	23.40	25.30	22.60
5G NR n66		-0.30	-2.30	0.10	-1.60	25.70	25.70	25.20	24.20	25.40	23.40	25.30	22.60
LTE Band 4	1710 – 1755	-1.00	-2.20	-0.70	-1.40	25.70	25.70	25.20	24.20	24.70	23.50	24.50	22.80

6.5. WORST-CASE CONFIGURATION AND MODE

This report covers the following technologies:

- LTE Band 4
- LTE Band 66, 5G NR n66

LTE Band 4 (1710-1755MHz, 5/10/15/20MHz bandwidth) is covered by LTE Band 66 because it is a subset of LTE band 66 and they have same output power.

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.

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 66 and 5G NR n66	Ant 1

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	ANT1	ANT2	ANT3	ANT4
1710 – 1915 MHz	X	X	X	X

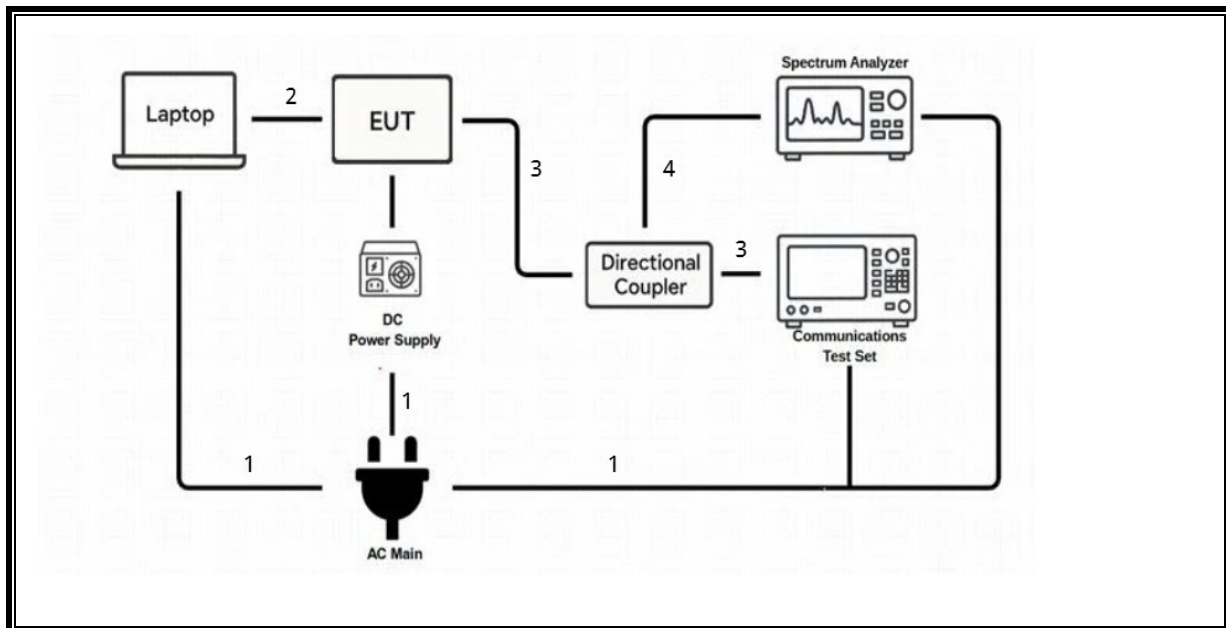
Radiated spurious emissions were investigated from 9kHz to 30MHz, 30MHz-1GHz and above 1GHz. There were no emissions found with less than 20dB of margin from 9kHz to 30MHz, 30MHz-1GHz.

For simultaneous transmission of multiple channels in the 2.4GHz/5GHz WLAN, 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.

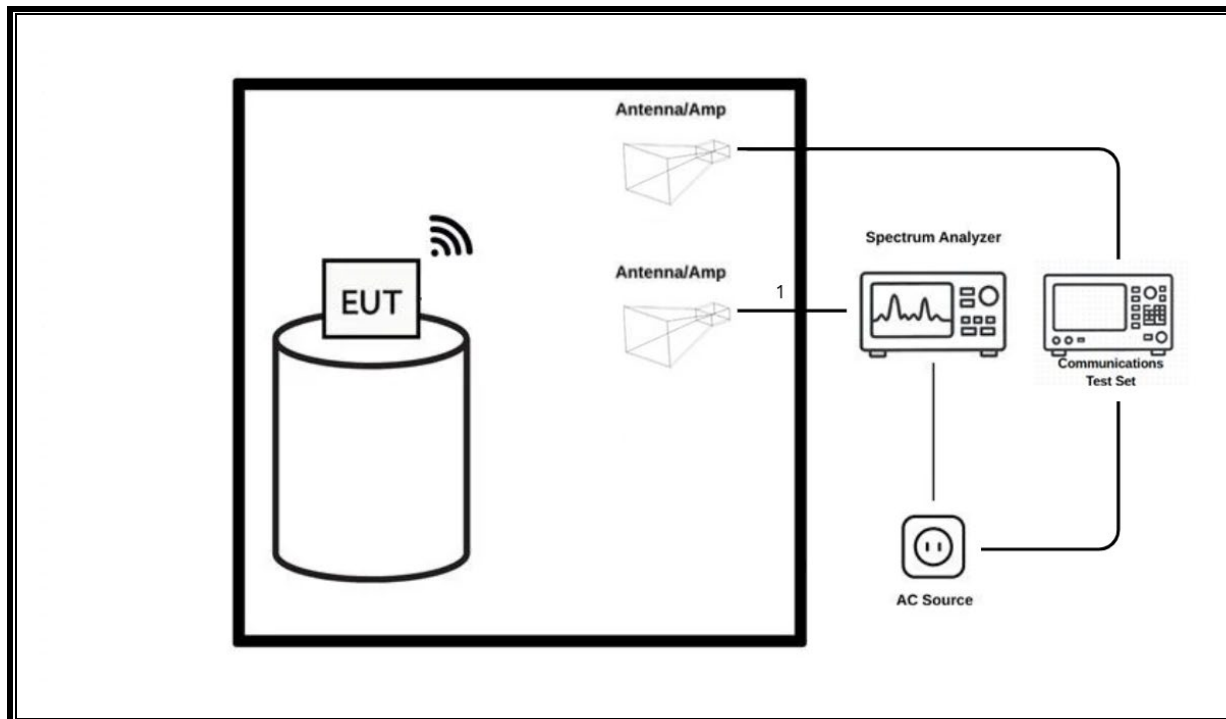
6.6. DESCRIPTION OF TEST SETUP

SUPPORT TEST EQUIPMENT						
Description		Manufacturer	Model	Serial Number	FCC ID/ DoC	
Laptop		Apple	MacBook Pro	F5JJ42D7R9	BCGA1708	
Laptop		Apple	MacBook Pro	JWV2QWM0DT	BCGA2338	
Laptop		Apple	MacBook Pro	FG6Q9RW54Y	BCGA2338	
Laptop		Apple	MacBook Pro	XC2KF6F2D7	BCGA2338	
Laptop		Apple	MacBook Pro	YWCT4V933R	BCGA2338	
Laptop		Apple	MacBook Pro	HRP127004	BCGA2338	
AC/DC adapter		Apple	A1718	C4H64450HH3GN8RA6	--	
AC/DC adapter		Apple	A2130	F16H69002MD000000P	--	
AC/DC adapter		Apple	A1555 P	XQ76XLCJ2D	--	
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	DC	Shielded	1.0	N/A
3	RF In/Out	2	SMA	Shielded	0.9	N/A
4	RF In/Out	1	Barrel	Shielded	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	RF In/Out	1	SMA	Shielded	5.0	N/A

CONDUCTED SETUP



RADIATED STUP



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
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
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	223460	2026-02-28
RF Filter Box, 1-18GHz, 17 Port	UL-FR1	RATS 2	236726	2026-09-30
Antenna, Horn 1-18GHz	ETS Lindgren	3117	80403	2026-08-31
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
Antenna, Passive Loop 30Hz - 1MHz	ELECTRO-METRICS	EM-6871	170013	2026-09-30
Antenna, Passive Loop 100KHz - 30MHz	ELECTRO-METRICS	EM-6872	170015	2026-09-30
Antenna, Horn 18 to 26.5GHz	A.R.A.	MWH-1826/B	172353	2026-07-31
Link File, RF Amplifier Assembly, 18-26.5GHz, 60dB Gain	AMPLICAL	AMP18G26.5-60	220194	2026-04-29
Antenna, Horn 26.5-40GHz	A.R.A.	MWH-2640/B	81105	2027-10-31
Link File, RF Amplifier Assembly, 26.5-40GHz, 65dB Gain	Amplical	AMP26G40-65	220193	2026-04-30
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	262735	2026-03-30
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	231912	2026-04-30
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	2026-11-24
Filter, BRF 2305-2315	Micro-Tronics	BRC20553	224186	2026-06-29
Directional Coupler	KRYTAR	152610	254457	2026-09-04
Directional Coupler	KRYTAR	101040010K	254458	2026-09-04
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	2026-05-31
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. 6.0,7.1, 10.1	
Radiated Software	UL	UL EMC	Ver 9.5, May 1, 2023	

NOTES:

- * Testing is completed before equipment expiration date.

8. RF OUTPUT POWER MEASUREMENTS

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

The 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 66

Test Engineer ID:	32546	Test Date:	2025-08-26
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OUTPUT POWER FOR LTE BAND 66 (1.4 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				131979	132322	132665	131979	132322	132665	131979	132322	132665	131979	132322	132665
1.4	QPSK			1710.7	1745.0	1779.3	1710.7	1745.0	1779.3	1710.7	1745.0	1779.3	1710.7	1745.0	1779.3
		1	0	24.95	25.08	25.07	25.04	24.98	25.04	24.38	24.58	24.35	23.46	23.58	23.43
		1	2	25.18	25.26	25.30	25.26	25.19	25.22	24.59	24.72	24.54	23.64	23.76	23.66
		1	5	25.00	25.08	25.11	25.03	24.99	25.00	24.43	24.54	24.41	23.46	23.60	23.50
		2	0	25.53	25.57	25.63	25.57	25.52	25.52	24.95	25.10	24.88	23.86	24.10	24.01
		2	4	25.55	25.58	25.61	25.58	25.53	25.53	24.98	25.11	24.88	23.87	24.11	24.02
		3	0	25.59	25.57	25.61	25.62	25.56	25.54	25.02	25.15	24.93	24.01	24.11	24.05
		3	1	25.67	25.65	25.68	25.70	25.64	25.64	25.03	25.20	24.96	24.02	24.19	24.11
		3	2	25.64	25.66	25.70	25.68	25.64	25.64	25.06	25.20	24.96	23.95	24.20	24.12
		6	0	24.57	24.63	24.65	24.63	24.55	24.59	24.02	24.10	23.91	22.95	23.19	23.10
		1	0	23.97	24.03	24.15	24.11	23.98	24.04	23.54	23.66	23.47	22.31	22.60	22.48
	16QAM	1	2	24.24	24.27	24.31	24.24	24.11	24.22	23.74	23.79	23.65	22.52	22.78	22.66
		1	5	24.05	24.06	24.16	24.10	24.01	24.02	23.53	23.64	23.44	22.33	22.61	22.46
		2	0	24.61	24.59	24.64	24.65	24.64	24.53	24.07	24.11	23.99	22.94	23.07	22.97
		2	4	24.62	24.61	24.62	24.66	24.62	24.53	24.12	24.12	23.97	22.92	23.07	22.95
		3	0	24.59	24.62	24.62	24.63	24.53	24.55	24.07	24.14	23.97	22.83	23.12	22.96
		3	1	24.64	24.67	24.68	24.70	24.64	24.63	24.13	24.20	24.05	22.90	23.20	23.01
		3	2	24.62	24.66	24.70	24.70	24.69	24.60	24.15	24.17	24.04	22.91	23.19	23.02
		6	0	23.49	23.48	23.53	23.52	23.49	23.46	22.97	23.03	22.84	21.81	22.02	21.89
		1	0	23.11	22.99	23.13	23.09	22.94	22.99	22.57	22.48	22.31	21.30	21.49	21.33
		1	2	23.29	23.22	23.27	23.26	23.17	23.18	22.70	22.70	22.49	21.47	21.74	21.55
		1	5	23.11	23.01	23.07	23.08	22.98	22.95	22.53	22.50	22.36	21.33	21.56	21.35
		2	0	23.62	23.55	23.59	23.62	23.53	23.52	22.97	23.10	22.91	21.90	22.13	21.96
	64QAM	2	4	23.57	23.49	23.58	23.61	23.49	23.53	22.99	23.14	22.91	21.92	22.12	21.95
		3	0	23.64	23.59	23.62	23.57	23.52	23.52	22.95	23.09	22.84	21.87	22.14	21.94
		3	1	23.70	23.66	23.62	23.70	23.60	23.59	23.03	23.17	22.94	21.93	22.17	22.02
		3	2	23.68	23.58	23.64	23.68	23.60	23.59	23.06	23.20	22.95	21.96	22.20	22.02
		6	0	22.53	22.43	22.48	22.52	22.40	22.44	21.95	21.99	21.83	20.76	21.03	20.87
		1	0	20.85	20.84	20.87	20.91	20.85	20.87	20.74	20.84	20.67	19.26	19.49	19.34
		1	2	21.05	21.04	21.10	21.13	21.03	21.02	21.01	21.02	20.83	19.46	19.67	19.51
		1	5	20.88	20.82	20.85	20.95	20.76	20.82	20.72	20.74	20.60	19.25	19.54	19.29
		2	0	21.47	21.38	21.47	21.47	21.36	21.42	21.22	21.23	21.13	19.83	20.07	19.86
		2	4	21.48	21.35	21.48	21.46	21.35	21.37	21.22	21.28	21.09	19.81	20.03	19.86
		3	0	21.40	21.34	21.43	21.42	21.33	21.33	21.27	21.27	21.13	19.75	19.98	19.82
	256QAM	3	1	21.51	21.41	21.48	21.48	21.39	21.39	21.33	21.33	21.23	19.82	20.09	19.90
		3	2	21.49	21.44	21.46	21.48	21.38	21.40	21.33	21.36	21.19	19.82	20.08	19.89
		6	0	21.41	21.33	21.38	21.39	21.29	21.31	21.20	21.26	21.05	19.73	19.98	19.80

OUTPUT POWER FOR LTE BAND 66 (3.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				131987	132322	132657	131987	132322	132657	131987	132322	132657	131987	132322	132657
3.0	QPSK			1711.5	1745.0	1778.5	1711.5	1745.0	1778.5	1711.5	1745.0	1778.5	1711.5	1745.0	1778.5
		1	0	25.14	25.09	25.17	25.29	25.22	25.24	24.56	24.57	24.38	23.51	23.71	23.51
		1	7	25.30	25.27	25.35	25.46	25.38	25.34	24.78	24.80	24.65	23.64	23.89	23.73
		1	14	25.13	25.10	25.16	25.24	25.20	25.16	24.66	24.62	24.40	23.51	23.72	23.50
		2	0	25.67	25.61	25.70	25.69	25.67	25.66	25.01	25.15	24.91	23.95	24.18	23.99
		2	13	25.68	25.62	25.61	25.70	25.66	25.65	25.13	25.20	24.98	23.95	24.20	23.95
		8	0	24.68	24.69	24.73	24.77	24.72	24.74	24.09	24.20	23.94	23.06	23.28	23.14
		8	4	24.72	24.72	24.76	24.80	24.75	24.76	24.13	24.24	24.04	23.09	23.32	23.16
		8	7	24.69	24.68	24.72	24.75	24.70	24.71	24.08	24.20	23.99	23.06	23.28	23.12
		15	0	24.69	24.70	24.75	24.76	24.72	24.74	24.10	24.19	24.00	23.08	23.30	23.14
	16QAM	1	0	24.25	24.19	24.23	24.24	24.16	24.19	23.66	23.74	23.54	22.59	22.78	22.48
		1	7	24.40	24.34	24.37	24.41	24.33	24.30	23.82	23.89	23.73	22.76	22.89	22.72
		1	14	24.24	24.12	24.17	24.22	24.14	24.15	23.73	23.68	23.53	22.58	22.72	22.49
		2	0	24.67	24.65	24.70	24.69	24.69	24.69	24.11	24.20	23.97	23.03	23.20	22.96
		2	13	24.67	24.64	24.65	24.70	24.62	24.59	24.18	24.20	24.02	23.04	23.18	22.98
		8	0	23.61	23.56	23.56	23.59	23.53	23.57	23.06	23.15	22.89	21.97	22.10	21.95
		8	4	23.64	23.58	23.66	23.64	23.62	23.64	23.07	23.17	22.95	21.99	22.12	21.98
		8	7	23.59	23.54	23.61	23.62	23.61	23.59	23.01	23.12	22.91	21.96	22.09	21.93
		15	0	23.55	23.52	23.61	23.64	23.58	23.60	23.00	23.10	22.90	21.95	22.14	21.93
	64QAM	1	0	23.22	23.13	23.25	23.19	23.11	23.13	22.71	22.67	22.48	21.51	21.69	21.53
		1	7	23.39	23.30	23.41	23.39	23.30	23.27	22.86	22.90	22.73	21.72	21.87	21.71
		1	14	23.27	23.10	23.23	23.15	23.07	23.06	22.81	22.74	22.43	21.55	21.74	21.58
		2	0	23.67	23.63	23.68	23.70	23.63	23.57	23.10	23.20	22.93	22.00	22.20	21.99
		2	13	23.70	23.63	23.70	23.68	23.61	23.55	23.13	23.14	22.94	22.01	22.20	22.05
		8	0	22.66	22.62	22.64	22.66	22.55	22.59	22.07	22.17	21.91	20.97	21.19	21.06
		8	4	22.66	22.64	22.66	22.68	22.59	22.60	22.08	22.19	21.99	21.01	21.22	21.09
		8	7	22.66	22.60	22.63	22.63	22.56	22.57	22.05	22.17	21.94	20.96	21.18	21.06
		15	0	22.60	22.57	22.63	22.58	22.51	22.52	22.03	22.11	21.94	20.92	21.15	21.01
	256QAM	1	0	20.99	20.92	20.96	21.00	20.90	20.87	20.75	20.88	20.63	19.39	19.61	19.37
		1	7	21.13	21.12	21.15	21.17	21.07	21.03	21.04	21.01	20.82	19.54	19.77	19.58
		1	14	20.99	20.88	20.93	21.00	20.87	20.86	20.80	20.77	20.66	19.39	19.62	19.40
		2	0	21.52	21.43	21.46	21.48	21.42	21.38	21.21	21.33	21.08	19.83	20.07	19.88
		2	13	21.50	21.40	21.48	21.47	21.40	21.40	21.32	21.35	21.13	19.84	20.05	19.79
		8	0	21.45	21.41	21.44	21.40	21.31	21.35	21.22	21.30	21.06	19.78	20.00	

OUTPUT POWER FOR LTE BAND 66 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				131997	132322	132647	131997	132322	132647	131997	132322	132647	131997	132322	132647
5.0	QPSK	1	0	25.11	25.08	25.17	25.20	25.14	25.11	24.62	24.72	24.44	23.57	23.68	23.66
		1	12	25.12	25.06	25.16	25.20	25.11	25.07	24.65	24.67	24.42	23.53	23.68	23.61
		1	24	25.16	25.08	25.19	25.14	25.11	25.09	24.67	24.72	24.50	23.56	23.73	23.64
		2	0	25.70	25.64	25.67	25.70	25.66	25.64	25.05	25.20	24.93	24.05	24.17	24.11
		2	23	25.65	25.58	25.65	25.68	25.65	25.63	25.10	25.14	24.94	24.02	24.20	24.12
		12	0	24.61	24.60	24.61	24.64	24.59	24.62	24.07	24.17	23.85	23.06	23.23	23.15
		12	6	24.61	24.60	24.60	24.62	24.57	24.60	24.07	24.13	23.88	23.06	23.18	23.08
		12	11	24.62	24.59	24.59	24.62	24.57	24.61	24.08	24.13	23.88	23.06	23.15	23.14
		25	0	24.64	24.61	24.62	24.64	24.59	24.62	24.08	24.14	23.89	23.07	23.17	23.10
		1	0	24.30	24.24	24.34	24.38	24.32	24.31	23.73	23.71	23.48	22.74	22.81	22.82
		1	12	24.30	24.30	24.29	24.35	24.25	24.26	23.73	23.67	23.46	22.70	22.82	22.75
		1	24	24.31	24.23	24.29	24.35	24.30	24.25	23.78	23.70	23.52	22.70	22.89	22.75
	16QAM	2	0	24.70	24.69	24.69	24.70	24.65	24.65	24.01	24.20	23.90	23.02	23.20	23.12
		2	23	24.69	24.64	24.65	24.69	24.62	24.60	24.11	24.17	23.98	23.01	23.15	23.13
		12	0	23.55	23.51	23.52	23.54	23.48	23.50	22.91	23.00	22.69	21.90	22.05	21.99
		12	6	23.54	23.48	23.50	23.53	23.46	23.49	22.93	22.95	22.72	21.89	22.03	21.96
		12	11	23.54	23.47	23.47	23.52	23.45	23.47	22.92	22.96	22.72	21.89	22.02	21.99
		25	0	23.55	23.50	23.51	23.54	23.49	23.50	22.94	22.98	22.75	21.91	22.05	21.98
	64QAM	1	0	23.25	23.15	23.29	23.27	23.29	23.20	22.66	22.86	22.53	21.62	21.76	21.70
		1	12	23.28	23.21	23.25	23.24	23.11	23.12	22.65	22.72	22.54	21.61	21.79	21.65
		1	24	23.25	23.17	23.27	23.27	23.15	23.05	22.71	22.75	22.55	21.61	21.78	21.66
		2	0	23.70	23.61	23.70	23.70	23.55	23.58	23.14	23.11	22.97	22.10	22.20	22.10
		2	23	23.70	23.60	23.67	23.64	23.56	23.52	23.20	23.13	23.03	22.09	22.12	22.02
		12	0	22.61	22.49	22.55	22.49	22.44	22.43	22.03	22.03	21.80	20.91	21.07	21.01
		12	6	22.59	22.47	22.54	22.53	22.45	22.41	22.07	22.04	21.89	20.91	21.07	21.01
		12	11	22.58	22.46	22.53	22.52	22.45	22.40	22.09	22.04	21.85	20.89	21.07	21.04
		25	0	22.61	22.49	22.56	22.54	22.48	22.44	22.09	22.06	21.89	20.90	21.07	21.00
	256QAM	1	0	21.19	21.13	21.23	21.20	21.06	21.06	21.00	20.98	20.84	19.65	19.64	19.57
		1	12	21.17	21.10	21.13	21.15	21.01	20.99	21.04	21.02	20.91	19.59	19.63	19.56
		1	24	21.18	21.15	21.16	21.19	21.07	21.03	21.06	21.02	20.89	19.60	19.74	19.63
		2	0	21.63	21.60	21.67	21.63	21.56	21.60	21.49	21.46	21.29	20.09	20.15	20.10
		2	23	21.67	21.59	21.61	21.64	21.50	21.51	21.52	21.43	21.36	20.06	20.16	20.09
		12	0	21.52	21.47	21.51	21.46	21.42	21.44	21.35	21.35	21.14	19.93	20.03	19.98
		12	6	21.50	21.46	21.50	21.47	21.38	21.44	21.36	21.33	21.17	19.92	20.03	19.94
		12	11	21.50	21.46	21.50	21.47	21.38	21.42	21.35	21.31	21.14	19.92	20.03	20.00
		25	0	21.50	21.43	21.50	21.47	21.40	21.42	21.35	21.30	21.14	19.92	20.02	19.95

OUTPUT POWER FOR LTE BAND 66 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				132022 1715.0	132322 1745.0	132622 1775.0	132022 1715.0	132322 1745.0	132622 1775.0	132022 1715.0	132322 1745.0	132622 1775.0	132022 1715.0	132322 1745.0	132622 1775.0
10.0	QPSK	1	0	25.19	25.16	25.19	25.16	25.11	25.09	24.63	24.61	24.59	23.52	23.64	23.71
		1	24	25.25	25.23	25.17	25.25	25.09	25.01	24.75	24.65	24.47	23.66	23.71	23.64
		1	49	25.26	25.21	25.10	25.27	25.05	24.97	24.60	24.61	24.42	23.65	23.57	23.49
		2	0	25.66	25.66	25.63	25.66	25.62	25.55	25.12	25.20	25.18	24.02	24.13	24.20
		2	48	25.70	25.68	25.61	25.70	25.58	25.51	25.16	25.15	24.91	24.01	24.04	24.01
		25	0	24.68	24.64	24.57	24.63	24.55	24.49	24.15	24.13	24.04	23.01	23.10	23.15
		25	12	24.74	24.60	24.55	24.67	24.52	24.45	24.19	24.11	23.92	23.03	23.08	23.07
		25	24	24.65	24.59	24.61	24.66	24.52	24.50	24.17	24.11	23.88	23.02	23.08	22.98
		50	0	24.72	24.65	24.61	24.72	24.57	24.50	24.23	24.14	23.95	23.08	23.14	23.13
	16QAM	1	0	24.17	24.18	24.12	24.18	24.09	24.11	23.64	23.65	23.67	22.52	22.57	22.68
		1	24	24.25	24.13	24.07	24.24	24.05	24.01	23.85	23.59	23.55	22.60	22.62	22.56
		1	49	24.20	24.09	24.07	24.25	24.01	24.02	23.61	23.66	23.51	22.63	22.56	22.48
		2	0	24.67	24.63	24.56	24.67	24.56	24.55	24.18	24.12	24.11	23.00	23.10	23.20
		2	48	24.70	24.62	24.57	24.70	24.54	24.46	24.20	24.15	23.97	23.01	23.05	22.99
		25	0	23.46	23.42	23.37	23.45	23.37	23.32	23.01	22.99	22.87	21.81	21.91	21.97
		25	12	23.49	23.39	23.34	23.47	23.34	23.27	23.05	22.95	22.78	21.85	21.89	21.86
		25	24	23.47	23.37	23.38	23.45	23.33	23.31	23.04	22.96	22.73	21.84	21.91	21.78
		50	0	23.53	23.44	23.39	23.50	23.39	23.32	23.09	23.00	22.81	21.90	21.94	21.90
	64QAM	1	0	23.16	23.13	23.22	23.25	23.13	23.18	22.81	22.67	22.68	21.65	21.69	21.78
		1	24	23.23	23.08	23.02	23.27	23.07	22.99	22.82	22.65	22.49	21.64	21.62	21.60
		1	49	23.27	23.12	23.09	23.32	23.09	23.03	22.74	22.69	22.48	21.73	21.62	21.52
		2	0	23.60	23.60	23.55	23.70	23.61	23.58	23.11	23.12	23.13	22.03	22.10	22.20
		2	48	23.70	23.56	23.45	23.69	23.52	23.46	23.20	23.12	22.91	22.05	22.09	21.99
		25	0	22.44	22.38	22.36	22.48	22.43	22.38	22.01	21.97	21.87	20.91	20.97	21.02
		25	12	22.47	22.36	22.33	22.53	22.39	22.33	22.01	21.94	21.74	20.94	20.95	20.91
		25	24	22.46	22.36	22.39	22.52	22.40	22.35	21.98	21.98	21.72	20.88	20.94	20.82
		50	0	22.51	22.42	22.38	22.57	22.46	22.38	22.05	21.99	21.79	20.93	21.00	20.95
	256QAM	1	0	21.31	21.28	21.27	21.17	21.08	21.17	21.15	21.06	21.02	19.66	19.68	19.82
		1	24	21.34	21.21	21.15	21.19	21.03	20.96	21.22	21.02	20.88	19.66	19.69	19.71
		1	49	21.35	21.21	21.16	21.25	21.01	20.96	21.13	21.05	20.86	19.71	19.72	19.60
		2	0	21.74	21.72	21.67	21.64	21.58	21.58	21.49	21.55	21.51	20.17	20.19	20.30
		2	48	21.76	21.69	21.67	21.63	21.55	21.43	21.61	21.50	21.37	20.18	20.19	20.13
		25	0	21.55	21.53	21.48	21.42	21.38	21.32	21.42	21.38	21.30	19.96	20.03	20.08
		25	12	21.59	21.49	21.47	21.46	21.38	21.32	21.44	21.36	21.18	20.01	20.06	20.01
		25	24	21.58	21.47	21.49	21.46	21.39	21.37	21.42	21.34	21.15	19.99	20.04	19.94

OUTPUT POWER FOR LTE BAND 66 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				132047	132322	132597	132047	132322	132597	132047	132322	132597	132047	132322	132597
15.0	QPSK	1	0	25.17	1745.0	1772.5	25.17	1745.0	1772.5	25.17	1745.0	1772.5	25.17	1745.0	1772.5
		1	37	25.19	25.12	25.10	25.13	25.01	24.96	24.81	24.74	24.65	23.62	23.68	23.75
		1	74	25.20	25.11	25.09	25.18	24.94	24.92	24.61	24.72	24.42	23.63	23.55	23.52
		2	0	25.63	25.66	25.63	25.57	25.53	25.54	25.09	25.20	25.18	24.01	24.16	24.20
		2	73	25.70	25.64	25.61	25.70	25.45	25.44	25.06	25.18	24.95	24.15	24.06	24.03
		36	0	24.62	24.61	24.66	24.54	24.53	24.52	24.24	24.20	24.22	23.07	23.17	23.23
		36	16	24.68	24.59	24.56	24.59	24.50	24.45	24.24	24.18	24.17	23.09	23.17	23.22
		36	35	24.65	24.63	24.53	24.64	24.47	24.40	24.15	24.21	23.94	23.11	23.09	23.12
		75	0	24.68	24.60	24.57	24.60	24.51	24.44	24.20	24.21	24.04	23.07	23.19	23.21
	16QAM	1	0	24.21	24.18	24.17	24.19	24.14	24.13	23.63	23.79	23.79	22.63	22.71	22.74
		1	37	24.25	24.18	24.11	24.26	24.04	23.99	23.83	23.64	23.69	22.68	22.72	22.81
		1	74	24.28	24.08	24.11	24.22	24.04	23.93	23.63	23.69	23.53	22.66	22.62	22.57
		2	0	24.60	24.63	24.64	24.64	24.48	24.56	24.14	24.15	24.20	23.10	23.16	23.20
		2	73	24.70	24.52	24.52	24.70	24.48	24.42	24.12	24.19	23.97	23.14	23.07	22.96
		36	0	23.44	23.42	23.48	23.38	23.34	23.36	23.06	23.00	23.02	21.87	21.95	22.02
		36	16	23.49	23.39	23.38	23.43	23.31	23.27	23.05	22.97	22.97	21.90	21.94	22.01
		36	35	23.46	23.43	23.34	23.46	23.29	23.22	22.97	22.98	22.78	21.93	21.91	21.92
		75	0	23.48	23.39	23.37	23.44	23.32	23.25	23.03	22.98	22.91	21.89	21.97	22.00
	64QAM	1	0	23.20	23.21	23.21	23.14	23.04	23.10	22.69	22.68	22.74	21.60	21.63	21.69
		1	37	23.23	23.12	23.16	23.12	22.96	22.94	22.76	22.66	22.59	21.62	21.65	21.72
		1	74	23.29	23.13	23.04	23.18	22.99	22.90	22.72	22.70	22.54	21.64	21.66	21.56
		2	0	23.70	23.69	23.61	23.61	23.56	23.55	23.17	23.15	23.20	22.10	22.19	22.20
		2	73	23.66	23.58	23.53	23.70	23.49	23.45	23.10	23.16	23.00	22.15	22.15	22.06
		36	0	22.50	22.47	22.53	22.42	22.38	22.40	22.04	21.98	22.00	20.90	21.03	21.08
		36	16	22.55	22.44	22.44	22.45	22.35	22.30	22.07	21.96	21.95	20.96	21.02	21.07
		36	35	22.52	22.47	22.39	22.50	22.32	22.26	21.96	21.96	21.79	20.97	20.95	20.95
		75	0	22.49	22.41	22.35	22.41	22.32	22.26	22.04	21.95	21.93	20.93	20.99	21.02
	256QAM	1	0	21.22	21.31	21.20	21.05	21.06	21.12	20.99	21.01	21.11	19.60	19.70	19.72
		1	37	21.26	21.09	21.01	21.09	20.96	20.96	21.13	20.92	20.99	19.56	19.65	19.71
		1	74	21.27	21.15	21.08	21.22	21.01	20.86	21.08	21.02	20.90	19.68	19.62	19.53
		2	0	21.71	21.65	21.63	21.57	21.57	21.60	21.46	21.51	21.54	20.03	20.08	20.13
		2	73	21.71	21.59	21.59	21.66	21.47	21.41	21.46	21.45	21.31	20.10	20.06	19.98
		36	0	21.50	21.47	21.53	21.38	21.40	21.35	21.38	21.36	21.36	19.86	19.96	20.01
		36	16	21.56	21.44	21.42	21.40	21.36	21.26	21.39	21.34	21.32	19.90	19.95	20.01
		36	35	21.54	21.50	21.40	21.46	21.34	21.22	21.32	21.33	21.13	19.91	19.89	19.90
		75	0	21.57	21.49	21.46	21.46	21.42	21.29	21.38	21.38	21.27	19.93	20.00	20.03

OUTPUT POWER FOR LTE BAND 66 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				132072	132322	132572	132072	132322	132572	132072	132322	132572	132072	132322	132572
20.0	QPSK	1	0	1720.0	1745.0	1770.0	1720.0	1745.0	1770.0	1720.0	1745.0	1770.0	1720.0	1745.0	1770.0
		1	49	25.08	25.14	25.15	25.15	25.13	25.14	24.55	24.62	24.62	23.53	23.60	23.55
		1	99	25.23	25.21	25.18	25.44	25.33	25.31	24.78	24.77	24.78	23.76	23.77	23.85
		1	99	25.12	25.03	24.97	25.08	25.13	25.00	24.62	24.64	24.39	23.62	23.60	23.49
		2	0	25.58	25.70	25.66	25.69	25.70	25.69	25.13	25.13	25.20	24.03	24.14	24.14
		2	98	25.61	25.61	25.53	25.64	25.66	25.54	25.11	25.13	24.94	24.20	24.13	24.05
		50	0	24.72	24.69	24.65	24.84	24.77	24.75	24.33	24.29	24.30	23.20	23.30	23.33
		50	24	24.68	24.63	24.67	24.88	24.73	24.72	24.22	24.26	24.24	23.22	23.28	23.30
		50	49	24.71	24.69	24.57	24.90	24.72	24.64	24.17	24.27	24.05	23.25	23.20	23.22
		100	0	24.76	24.72	24.74	24.94	24.82	24.78	24.29	24.34	24.30	23.29	23.35	23.37
	16QAM	1	0	24.17	24.38	24.22	24.21	24.18	24.27	23.70	23.72	23.82	22.62	22.58	22.67
		1	49	24.36	24.30	24.32	24.49	24.31	24.34	23.88	23.84	23.87	22.87	22.81	22.86
		1	99	24.18	24.13	24.06	24.11	24.14	24.02	23.74	23.68	23.48	22.63	22.66	22.46
		2	0	24.65	24.70	24.61	24.70	24.63	24.67	24.14	24.18	24.18	23.04	23.03	23.03
		2	98	24.64	24.57	24.52	24.60	24.61	24.44	24.20	24.15	23.93	23.20	23.10	22.95
		50	0	23.60	23.58	23.53	23.66	23.57	23.57	23.19	23.13	23.14	22.03	22.10	22.12
		50	24	23.57	23.52	23.56	23.68	23.54	23.53	23.11	23.10	23.07	22.06	22.08	22.10
		50	49	23.61	23.57	23.45	23.73	23.52	23.44	23.07	23.12	22.89	22.06	22.02	22.04
		100	0	23.64	23.58	23.62	23.74	23.61	23.60	23.15	23.17	23.15	22.10	22.13	22.15
		1	0	23.13	23.24	23.20	23.24	23.24	23.32	22.75	22.69	22.73	21.67	21.66	21.69
	64QAM	1	49	23.36	23.24	23.21	23.49	23.25	23.31	22.87	22.78	22.74	21.90	21.83	21.87
		1	99	23.15	23.09	23.00	23.19	23.29	23.05	22.80	22.70	22.48	21.75	21.80	21.57
		2	0	23.59	23.70	23.57	23.68	23.65	23.70	23.15	23.18	23.18	22.09	22.16	22.16
		2	98	23.55	23.52	23.45	23.62	23.61	23.52	23.20	23.17	22.94	22.20	22.18	21.97
		50	0	22.58	22.53	22.51	22.68	22.62	22.63	22.18	22.11	22.14	21.10	21.18	21.19
		50	24	22.55	22.48	22.53	22.72	22.59	22.60	22.07	22.09	22.08	21.11	21.15	21.18
		50	49	22.58	22.54	22.43	22.78	22.58	22.49	22.01	22.10	21.90	21.13	21.10	21.08
		100	0	22.63	22.58	22.56	22.79	22.67	22.67	22.14	22.19	22.11	21.17	21.24	21.25
		1	0	21.03	21.17	21.06	20.91	20.90	20.94	20.92	20.90	20.93	19.43	19.48	19.46
		1	49	21.14	21.07	21.19	21.12	20.92	20.98	21.08	20.89	20.95	19.71	19.63	19.63
	256QAM	1	99	21.03	20.98	20.91	20.83	20.92	20.80	20.97	20.84	20.69	19.50	19.46	19.25
		2	0	21.58	21.64	21.58	21.48	21.48	21.49	21.35	21.44	21.43	19.90	19.93	19.98
		2	98	21.58	21.49	21.48	21.38	21.48	21.28	21.41	21.38	21.11	19.94	19.98	19.74
		50	0	21.50	21.48	21.43	21.45	21.38	21.37	21.38	21.33	21.35	19.88	19.96	19.95
50		24	21.49	21.43	21.45	21.49	21.33	21.33	21.28	21.30	21.29	19.88	19.93	19.90	
50		49	21.53	21.47	21.36	21.50	21.34	21.25	21.24	21.33	21.10	19.90	19.86	19.80	
100		0	21.53	21.49	21.52	21.51	21.42	21.35	21.36	21.36	21.35	19.91	19.99	19.94	

8.2. 5G NR n66

Test Engineer ID:	39004	Test Date:	2025-08-29
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OUTPUT POWER FOR 5G NR n66 (5.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				342500	349000	355500	342500	349000	355500	342500	349000	355500	342500	349000	355500
5.0	BPSK	1	0	24.82	24.60	24.61	23.72	24.15	24.04	25.20	24.39	24.19	22.87	23.09	22.76
		1	1	25.17	24.98	25.07	25.06	25.20	25.08	24.72	24.82	24.67	23.83	23.96	23.64
		1	23	25.20	25.03	25.05	24.98	25.16	25.14	24.75	24.84	24.74	23.73	24.03	23.78
		1	24	24.77	24.56	24.64	24.12	24.12	24.08	24.27	24.38	24.19	22.88	23.03	22.83
		12	6	25.68	25.63	25.70	25.65	25.70	25.62	24.96	25.12	25.02	23.97	24.20	23.89
		25	0	25.30	25.17	25.20	24.68	24.70	24.59	24.86	24.97	24.80	23.37	23.56	23.28
	QPSK	1	0	24.18	24.10	24.08	24.60	24.49	24.52	23.75	23.96	23.82	23.29	23.50	23.00
		1	1	25.17	25.08	25.06	25.02	25.06	24.61	24.74	24.93	24.78	23.76	23.84	23.52
		1	23	25.27	25.02	25.15	25.04	24.95	24.84	24.78	24.91	24.74	23.72	23.95	23.68
		1	24	24.05	24.00	24.10	24.53	24.55	24.29	23.90	23.94	23.83	23.27	23.47	23.29
		12	6	25.58	25.61	25.62	25.56	25.62	25.55	25.06	25.20	25.04	23.97	24.15	23.91
		25	0	24.67	24.58	24.61	25.11	25.13	25.07	24.44	24.53	24.41	23.83	24.02	23.74
	16QAM	1	0	22.84	22.86	22.86	22.84	22.74	22.68	22.21	22.23	22.14	21.62	21.83	21.46
		1	1	23.92	23.81	23.81	23.86	23.79	23.81	23.16	23.37	23.29	22.66	22.84	22.48
		1	23	23.93	23.78	23.90	23.91	23.84	23.96	23.26	23.24	23.21	22.67	22.75	22.59
		1	24	22.92	22.87	22.91	22.96	22.82	22.69	22.13	22.12	22.19	21.61	21.69	21.52
		12	6	24.70	24.63	24.69	24.70	24.70	24.65	23.93	24.03	23.81	23.39	23.56	23.26
		25	0	23.69	23.61	23.68	23.66	23.69	23.53	22.93	22.98	22.86	22.35	22.53	22.19
	64QAM	1	0	22.62	22.51	22.51	22.55	22.69	22.44	21.74	21.84	21.85	21.27	21.56	21.15
		1	1	22.64	22.56	22.63	22.49	22.70	22.53	21.88	21.94	21.90	21.19	21.42	21.05
		1	23	22.54	22.44	22.54	22.48	22.62	22.45	21.81	21.84	21.69	21.12	21.42	21.11
		1	24	22.60	22.58	22.58	22.65	22.58	22.57	21.85	21.86	21.75	21.37	21.33	21.13
		12	6	23.11	23.10	23.11	23.13	23.19	23.10	22.36	22.42	22.29	21.79	22.00	21.70
		25	0	23.13	23.10	23.15	23.17	23.19	23.14	22.43	22.44	22.33	21.85	22.10	21.76
	256QAM	1	0	20.61	20.62	20.67	20.81	20.69	20.73	20.02	20.07	19.90	19.35	19.60	19.15
		1	1	20.70	20.81	20.59	20.73	20.76	20.53	19.97	20.02	19.86	19.41	19.59	19.18
		1	23	20.71	20.70	20.62	20.67	20.79	20.51	19.77	20.03	19.89	19.46	19.56	19.34
		1	24	20.73	20.71	20.71	20.78	20.72	20.65	19.92	20.06	19.96	19.47	19.60	19.24
		12	6	21.18	21.12	21.20	21.13	21.17	21.17	20.39	20.47	20.38	19.96	20.07	19.74
		25	0	21.23	21.17	21.22	21.20	21.18	21.12	20.47	20.58	20.34	19.96	20.09	19.81

OUTPUT POWER FOR 5G NR n66 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				343000	349000	355000	343000	349000	355000	343000	349000	355000	343000	349000	355000
10.0	BPSK	1	0	24.71	24.63	24.62	24.07	24.18	24.06	24.41	24.43	24.49	22.77	23.01	22.85
		1	1	25.14	25.11	25.06	25.11	25.14	24.99	24.87	24.94	25.00	23.79	23.91	23.79
		1	50	25.19	25.07	25.08	25.16	25.17	24.97	25.02	24.98	24.84	23.84	24.02	23.59
		1	51	24.75	24.56	24.61	24.24	24.16	23.96	24.59	24.54	24.39	22.86	22.99	22.68
		25	12	25.70	25.54	25.57	25.70	25.64	25.69	25.20	25.18	25.16	24.03	24.20	23.90
		50	0	25.27	25.20	25.10	24.73	24.78	24.76	25.07	25.12	25.06	23.44	23.55	23.32
	QPSK	1	0	24.17	24.19	24.04	24.49	24.55	24.50	23.97	24.01	24.05	23.23	23.45	23.42
		1	1	25.22	25.18	25.04	24.91	24.98	24.91	24.92	24.99	24.96	23.64	23.94	23.72
		1	50	25.14	25.09	25.10	25.01	24.97	24.90	25.04	24.91	24.88	23.80	23.87	23.50
		1	51	24.21	24.09	24.04	24.54	24.51	24.53	24.05	24.02	23.92	23.33	23.44	23.19
		25	12	25.65	25.62	25.59	25.57	25.57	25.53	25.16	25.20	25.17	23.93	24.11	23.85
		50	0	24.80	24.69	24.68	25.18	25.12	25.13	24.55	24.65	24.55	23.87	24.05	23.79
	16QAM	1	0	23.05	22.88	22.90	22.85	22.69	22.80	22.43	22.53	22.36	21.57	21.61	21.59
		1	1	23.98	24.05	23.84	23.82	23.88	23.88	23.42	23.44	23.48	22.62	22.58	22.63
		1	50	23.99	23.94	23.85	23.96	23.91	23.72	23.50	23.46	23.24	22.69	22.76	22.47
		1	51	23.08	22.83	22.82	22.90	22.95	22.84	22.52	22.41	22.31	21.54	21.69	21.26
		25	12	24.70	24.67	24.59	24.70	24.65	24.57	24.13	24.20	24.11	23.36	23.53	23.21
		50	0	23.76	23.69	23.64	23.67	23.67	23.64	23.15	23.22	23.14	22.38	22.54	22.23
	64QAM	1	0	22.70	22.59	22.51	22.53	22.41	22.58	22.26	22.52	22.48	21.20	21.24	21.54
		1	1	22.73	22.71	22.43	22.53	22.61	22.58	22.40	22.57	22.53	21.25	21.26	21.24
		1	50	22.54	22.63	22.66	22.55	22.43	22.32	22.47	22.53	22.15	21.34	21.47	21.13
		1	51	22.89	22.59	22.73	22.63	22.45	22.49	22.51	22.42	22.22	21.31	21.50	20.98
		25	12	23.26	23.18	23.15	23.18	23.17	23.13	22.99	23.01	22.95	21.84	21.97	21.70
		50	0	23.28	23.18	23.12	23.14	23.14	23.12	22.97	23.07	22.96	21.83	22.00	21.73
	256QAM	1	0	20.88	20.83	20.65	20.64	20.74	20.66	20.45	20.64	20.51	19.30	19.42	19.51
		1	1	20.74	20.84	20.82	20.63	20.81	20.91	20.51	20.42	20.64	19.06	19.57	19.47
		1	50	20.80	20.88	20.72	20.82	20.66	20.59	20.74	20.46	20.58	19.38	19.63	19.27
		1	51	20.96	20.81	20.73	20.69	20.63	20.49	20.71	20.54	20.67	19.38	19.58	19.24
		25	12	21.24	21.13	21.14	21.16	21.14	21.13	20.96	21.09	21.01	19.90	20.00	19.72
		50	0	21.27	21.16	21.15	21.18	21.17	21.16	20.99	21.05	21.04	19.92	20.07	19.73

OUTPUT POWER FOR 5G NR n66 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				343500	349000	354500	343500	349000	354500	343500	349000	354500	343500	349000	354500
15.0	BPSK	1	0	24.67	24.63	24.54	24.16	24.13	24.14	25.20	23.70	23.71	22.95	22.99	22.94
		1	1	25.21	25.16	25.10	25.16	25.21	25.02	24.03	24.15	24.22	23.84	23.96	24.00
		1	77	25.34	25.04	25.02	25.33	25.19	25.04	24.30	24.17	23.95	23.92	24.05	23.77
		1	78	24.79	24.54	24.68	24.32	24.34	24.03	23.83	23.73	23.68	22.94	23.00	22.72
		36	18	25.70	25.58	25.56	25.63	25.70	25.68	24.37	24.43	24.29	24.09	24.20	24.11
		75	0	25.25	25.16	25.16	24.77	24.77	24.73	24.21	24.31	24.18	23.44	23.66	23.49
		1	0	24.04	24.03	23.98	24.61	24.66	24.66	23.93	24.03	24.18	23.33	23.52	23.40
		1	1	25.10	25.05	24.92	25.19	25.11	25.11	24.92	24.99	25.08	23.79	23.94	23.82
	QPSK	1	77	25.19	24.89	25.02	25.17	25.08	24.99	25.20	25.09	24.81	23.88	24.02	23.70
		1	78	24.09	24.06	24.05	24.76	24.73	24.66	24.18	24.01	23.86	23.33	23.47	23.34
		36	18	25.55	25.48	25.48	25.67	25.63	25.60	25.15	25.10	25.11	24.03	24.15	24.06
		75	0	24.60	24.55	24.53	25.22	25.24	25.22	24.50	24.60	24.49	23.92	24.09	23.93
	16QAM	1	0	22.80	22.76	22.73	22.99	23.18	23.08	22.49	22.62	22.56	21.79	21.60	21.66
		1	1	23.95	23.88	23.80	24.03	23.87	23.87	23.47	23.47	23.65	22.67	22.84	22.70
		1	77	23.91	23.77	23.75	24.15	23.96	23.56	23.67	23.52	23.38	22.56	23.02	22.60
		1	78	23.07	22.86	22.70	23.12	22.99	22.75	22.86	22.40	22.34	21.74	21.81	21.56
		36	18	24.58	24.53	24.51	24.76	24.69	24.68	24.15	24.20	24.12	23.47	23.60	23.45
		75	0	23.54	23.47	23.50	23.75	23.73	23.73	23.14	23.20	23.17	22.47	22.54	22.42
		1	0	22.50	22.35	22.53	22.77	22.65	22.75	21.67	21.85	21.57	21.37	21.41	21.16
		1	1	22.48	22.63	22.33	22.75	22.76	22.77	21.76	21.72	21.64	21.29	21.50	21.32
	64QAM	1	77	22.39	22.51	22.26	22.83	22.72	22.49	21.69	21.83	21.63	21.28	21.50	21.22
		1	78	22.64	22.53	22.62	22.59	22.64	22.55	21.87	21.60	21.55	21.21	21.44	21.02
		36	18	23.09	23.08	23.02	23.30	23.22	23.33	22.24	22.29	22.18	21.92	22.02	21.94
		75	0	23.05	23.10	23.03	23.28	23.25	23.30	22.24	22.32	22.18	21.93	22.12	21.91
	256QAM	1	0	20.66	20.60	20.53	20.76	20.92	20.78	19.66	19.97	19.88	19.57	19.59	19.45
		1	1	20.53	20.63	20.59	20.76	20.80	20.89	19.70	19.97	19.90	19.41	19.75	19.36
		1	77	20.77	20.59	20.60	21.01	20.66	20.89	20.14	20.03	19.63	19.46	19.54	19.33
		1	78	20.85	20.60	20.91	21.05	20.82	20.74	19.95	19.78	19.85	19.75	19.45	19.42
		36	18	21.09	21.08	21.05	21.29	21.32	21.31	20.22	20.33	20.22	19.93	20.06	19.97
		75	0	21.06	21.07	21.03	21.28	21.26	21.27	20.20	20.30	20.18	19.90	20.05	19.90

OUTPUT POWER FOR 5G NR n66 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				344000	349000	354000	344000	349000	354000	344000	349000	354000	344000	349000	354000
20.0	BPSK	1	0	24.62	24.64	24.50	24.10	24.18	24.12	24.33	24.42	24.46	22.90	22.91	22.87
		1	1	25.12	25.08	25.17	25.24	25.09	25.18	24.74	24.92	24.90	23.87	23.94	23.94
		1	104	25.00	25.11	25.13	25.33	25.18	25.15	25.04	24.95	24.65	24.04	23.98	23.66
		1	105	24.60	24.64	24.62	24.33	24.32	24.08	24.54	24.44	24.30	23.03	22.90	22.62
		50	25	25.70	25.61	25.63	25.66	25.70	25.63	25.20	25.18	25.17	24.16	24.20	24.03
		100	0	25.31	25.23	25.24	24.75	24.79	24.70	25.08	25.09	25.02	23.55	23.57	23.45
	QPSK	1	0	24.06	23.96	23.84	24.69	24.68	24.61	23.94	23.97	23.96	23.30	23.29	23.42
		1	1	25.13	24.89	24.97	24.98	25.18	25.08	24.91	24.93	24.90	23.69	23.90	23.80
		1	104	24.97	24.97	24.99	25.13	25.13	24.88	25.05	24.90	24.80	23.84	23.82	23.77
		1	105	24.06	23.96	23.98	24.76	24.66	24.59	23.95	23.96	23.83	23.49	23.39	23.23
		50	25	25.57	25.49	25.47	25.66	25.67	25.58	25.15	25.20	25.16	24.04	24.13	23.97
		100	0	24.67	24.57	24.54	25.21	25.23	25.20	24.56	24.57	24.56	23.94	24.04	23.92
	16QAM	1	0	22.86	22.64	22.72	22.89	23.10	22.94	22.38	22.54	22.38	21.68	21.63	21.78
		1	1	23.91	23.70	23.67	23.88	23.87	24.15	23.34	23.45	23.38	22.62	22.62	22.72
		1	104	24.01	23.79	23.68	24.05	23.97	23.92	23.55	23.51	23.26	22.58	22.77	22.27
		1	105	23.00	22.97	22.72	23.02	23.09	22.59	22.43	22.36	22.18	21.77	21.71	21.42
		50	25	24.57	24.43	24.46	24.73	24.76	24.63	24.20	24.17	24.08	23.48	23.52	23.41
		100	0	23.61	23.51	23.54	23.74	23.72	23.69	23.20	23.16	23.15	22.45	22.51	22.43
	64QAM	1	0	22.39	22.55	22.63	22.67	22.52	22.59	22.29	22.28	22.20	21.26	21.35	21.54
		1	1	22.40	22.39	22.63	22.60	22.90	22.80	22.11	22.63	22.26	21.33	21.50	21.54
		1	104	22.35	22.38	22.43	22.76	22.58	22.50	22.33	22.51	22.31	21.31	21.25	20.91
		1	105	22.45	22.36	22.31	22.80	22.83	22.38	22.47	22.31	22.37	21.22	21.32	21.18
		50	25	23.13	22.91	22.92	23.18	23.19	23.13	22.93	22.94	22.87	21.87	21.98	21.85
		100	0	23.20	23.00	22.97	23.28	23.27	23.25	23.03	23.01	22.97	21.96	22.01	21.96
	256QAM	1	0	20.74	20.55	20.62	20.81	20.91	20.85	20.51	20.66	20.49	19.41	19.40	19.57
		1	1	20.92	20.70	20.69	20.88	20.87	20.81	20.53	20.56	20.41	19.39	19.47	19.38
		1	104	20.93	20.76	20.45	20.93	21.01	20.81	20.67	20.57	20.20	19.60	19.60	19.32
		1	105	20.69	20.63	20.54	20.75	20.91	20.69	20.62	20.53	20.32	19.50	19.57	19.21
		50	25	21.16	21.03	21.03	21.21	21.23	21.22	20.99	20.94	20.97	19.91	20.01	19.90
		100	0	21.15	21.07	21.01	21.22	21.24	21.20	21.01	21.01	20.94	19.89	20.04	19.92

OUTPUT POWER FOR 5G NR n66 (25.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				344500	349000	353500	344500	349000	353500	344500	349000	353500	344500	349000	353500
25.0	BPSK	1	0	1722.5	1745.0	1767.5	1722.5	1745.0	1767.5	1722.5	1745.0	1767.5	1722.5	1745.0	1767.5
		1	1	24.56	24.50	24.48	23.95	24.08	23.92	24.01	24.25	24.24	22.66	22.80	22.76
		1	1	24.95	24.92	24.93	25.02	25.14	25.09	24.60	24.79	24.68	23.71	23.82	23.86
		1	131	24.96	24.81	24.99	25.06	25.12	24.61	24.94	24.80	24.60	23.93	23.82	23.70
		1	132	24.43	24.41	24.39	24.07	24.03	23.84	24.28	24.32	24.13	22.64	22.85	22.60
		64	32	25.70	25.60	25.60	25.70	25.66	25.55	25.20	25.16	25.16	24.07	24.20	24.14
	QPSK	128	0	25.31	25.27	25.20	24.80	24.78	24.68	25.18	25.16	25.11	23.51	23.65	23.58
		1	0	23.97	23.90	23.94	24.47	24.60	24.57	23.74	23.79	23.78	23.06	23.26	23.25
		1	1	24.93	24.84	24.87	24.96	25.07	24.88	24.72	24.76	24.76	23.54	23.95	23.76
		1	131	24.92	24.80	24.85	24.96	25.02	24.69	24.89	24.83	24.62	23.70	23.67	23.46
		1	132	23.96	23.85	23.87	24.52	24.50	24.42	23.90	23.82	23.73	23.18	23.22	23.19
		64	32	25.57	25.56	25.52	25.62	25.61	25.59	25.20	25.17	25.16	24.02	24.16	24.12
	16QAM	128	0	24.70	24.70	24.67	25.23	25.22	25.19	24.60	24.58	24.47	23.94	24.06	24.02
		1	0	22.54	22.78	22.69	22.74	22.51	22.85	22.19	22.16	22.07	21.39	21.54	21.63
		1	1	23.76	23.62	23.74	23.78	24.07	23.88	23.20	23.14	23.34	22.56	22.55	22.86
		1	131	23.62	23.69	23.69	23.92	23.68	23.65	23.11	23.25	23.24	22.51	22.63	22.43
		1	132	22.67	22.71	22.77	22.72	22.70	22.62	22.12	22.02	22.05	21.32	21.57	21.33
		64	32	24.65	24.56	24.62	24.67	24.68	24.57	24.20	24.12	24.10	23.47	23.60	23.53
	64QAM	128	0	23.63	23.62	23.65	23.77	23.72	23.67	23.18	23.17	23.15	22.54	22.59	22.58
		1	0	22.26	22.37	22.38	22.26	22.33	22.45	22.05	22.26	22.09	21.11	21.28	21.30
		1	1	22.25	22.13	22.24	22.47	22.60	22.70	22.12	22.35	22.08	21.20	21.26	21.08
		1	131	22.33	22.13	22.43	22.65	22.50	22.32	22.40	22.17	22.12	21.16	21.25	21.09
		1	132	22.41	22.15	22.39	22.44	22.49	21.94	22.38	22.34	21.97	21.30	21.15	20.97
		64	32	23.15	23.09	23.08	23.28	23.25	23.18	23.09	22.96	22.92	21.93	22.08	21.99
	256QAM	128	0	23.16	23.09	23.10	23.36	23.26	23.23	23.06	23.07	23.06	21.99	22.13	22.07
		1	0	20.35	20.34	20.35	20.49	20.72	20.56	20.30	20.17	20.27	19.22	19.38	19.48
		1	1	20.52	20.53	20.53	20.57	20.55	20.71	20.27	20.33	20.56	19.29	19.44	19.26
		1	131	20.54	20.47	20.67	20.63	20.62	20.50	20.20	20.25	20.42	19.49	19.49	19.30
		1	132	20.80	20.53	20.49	20.51	20.61	20.27	20.28	20.49	20.26	19.45	19.51	19.07
		64	32	21.09	21.10	21.12	21.30	21.20	21.17	20.99	20.98	20.91	19.93	20.03	20.00
		128	0	21.21	21.20	21.13	21.26	21.21	21.21	21.05	21.01	20.96	20.00	20.11	20.06

OUTPUT POWER FOR 5G NR n66 (30.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				345000	349000	353000	345000	349000	353000	345000	349000	353000	345000	349000	353000
30.0	BPSK	1	0	1725.0	1745.0	1765.0	1725.0	1745.0	1765.0	1725.0	1745.0	1765.0	1725.0	1745.0	1765.0
		1	1	24.69	24.71	24.47	24.10	24.26	24.19	24.28	24.34	24.38	22.76	22.95	23.02
		1	158	25.03	25.03	24.95	25.07	25.28	25.12	24.71	24.73	24.92	23.87	23.93	24.01
		1	158	25.06	24.89	25.02	25.36	25.02	25.04	24.79	24.87	24.75	23.87	23.95	23.59
		1	159	24.60	24.49	24.57	24.14	24.16	24.05	24.39	24.32	24.21	22.98	22.84	22.52
		80	40	25.70	25.56	25.46	25.70	25.66	25.58	25.20	25.14	25.16	24.09	24.20	24.03
	QPSK	160	0	25.19	25.13	24.95	24.74	24.68	24.64	24.99	24.98	24.95	23.41	23.54	23.36
		1	0	23.97	24.08	23.97	24.44	24.66	24.74	23.75	24.03	23.91	23.27	23.44	23.57
		1	1	25.07	25.04	24.86	24.96	25.11	25.04	24.66	24.93	24.84	23.71	23.95	24.01
		1	158	25.05	25.11	24.99	25.04	25.06	25.05	24.84	24.93	24.77	23.95	23.80	23.68
		1	159	24.04	23.96	24.06	24.63	24.59	24.44	23.90	23.92	23.67	23.43	23.30	23.15
		80	40	25.70	25.56	25.41	25.65	25.56	25.54	25.20	25.09	25.11	24.07	24.18	23.99
	16QAM	160	0	24.67	24.58	24.44	25.19	25.13	25.07	24.48	24.43	24.41	23.86	23.98	23.85
		1	0	22.95	22.93	22.79	22.70	22.93	22.64	22.36	22.39	22.10	21.67	21.92	21.60
		1	1	23.66	23.76	23.52	23.79	23.78	23.76	23.46	23.64	22.08	22.40	22.86	22.74
		1	158	23.83	23.77	23.56	23.71	24.06	23.74	23.52	23.25	22.10	22.73	22.72	22.67
		1	159	22.77	22.65	22.62	22.72	22.74	22.58	22.45	22.33	22.24	21.83	21.73	21.42
		80	40	24.66	24.52	24.41	24.67	24.63	24.57	24.20	24.04	22.60	23.42	23.48	23.29
	64QAM	160	0	23.63	23.53	23.47	23.69	23.62	23.57	23.19	23.07	22.61	22.37	22.49	22.33
		1	0	22.46	22.52	22.42	22.58	22.71	22.95	22.35	22.59	20.20	21.18	21.46	21.39
		1	1	22.58	22.49	22.43	22.47	22.86	22.54	22.43	22.27	20.47	21.08	21.53	21.49
		1	158	22.37	22.57	22.09	22.40	22.55	22.48	22.30	22.16	20.43	21.55	21.35	20.99
		1	159	22.38	22.43	22.42	22.57	22.86	22.52	22.34	22.50	20.61	21.29	21.49	21.21
		80	40	23.11	22.99	22.88	23.29	23.18	23.24	22.98	22.89	20.91	21.85	22.00	21.83
	256QAM	160	0	23.13	23.01	22.90	23.23	23.15	23.20	22.96	22.94	20.88	21.88	21.96	21.87
		1	0	20.38	20.80	20.67	20.97	20.72	21.09	20.50	20.64	20.84	19.48	19.51	19.66
		1	1	20.79	20.49	20.52	20.62	20.70	21.00	20.63	20.64	20.55	19.56	19.77	19.64
		1	158	20.98	20.46	20.69	20.48	20.88	20.51	20.26	20.54	20.32	19.50	19.36	19.13
		1	159	20.71	20.78	20.39	20.64	20.59	20.62	20.25	20.58	20.09	19.41	19.53	19.35
		80	40	21.15	21.05	20.96	21.22	21.17	21.21	20.99	20.83	20.99	19.84	19.95	19.86
		160	0	21.13	21.03	20.96	21.23	21.15	21.21	20.96	20.90	20.90	19.86	20.00	19.88

OUTPUT POWER FOR 5G NR n66 (35.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				345500	349000	352500	345500	349000	352500	345500	349000	352500	345500	349000	352500
35.0	BPSK	1	0	24.60	24.57	24.42	24.19	24.15	24.08	22.65	24.38	24.35	22.82	22.90	23.01
		1	1	25.09	25.05	24.92	24.99	25.04	25.08	23.72	25.04	24.98	23.77	23.72	23.94
		1	186	24.97	24.84	25.05	24.94	24.99	24.92	23.75	24.94	24.65	24.11	23.82	23.54
		1	187	24.57	24.48	24.41	24.07	24.06	23.77	22.87	24.57	24.34	22.95	22.87	22.67
		90	45	25.70	25.58	25.38	25.70	25.56	25.54	24.61	25.16	25.20	24.20	24.17	23.99
		180	0	25.19	25.11	24.99	24.73	24.62	24.61	23.63	25.12	25.06	23.57	23.62	23.43
	QPSK	1	0	24.09	24.17	23.98	24.52	24.67	24.52	23.78	23.92	23.70	23.22	23.33	23.37
		1	1	25.12	25.18	25.06	24.89	25.04	24.98	24.75	24.97	24.76	23.68	23.81	23.73
		1	186	24.93	24.94	24.88	24.95	25.04	24.76	24.83	24.85	24.65	23.88	23.68	23.58
		1	187	23.93	23.95	23.88	24.42	24.45	24.15	23.78	23.99	23.67	23.37	23.31	22.95
		90	45	25.62	25.49	25.38	25.61	25.52	25.48	25.20	25.05	25.11	24.11	24.05	24.00
		180	0	24.71	24.58	24.50	25.17	25.05	25.07	24.56	24.49	24.40	24.00	23.97	23.82
	16QAM	1	0	22.76	22.90	22.70	22.69	22.99	22.78	21.84	22.24	22.21	21.52	21.68	21.61
		1	1	23.66	23.80	23.67	23.67	23.83	23.97	23.23	23.58	23.49	22.46	22.68	22.75
		1	186	23.72	23.83	23.57	23.52	23.93	23.09	23.22	23.42	22.96	22.69	22.58	22.20
		1	187	22.63	22.68	22.36	22.62	22.70	22.63	21.99	22.43	22.38	21.47	21.40	21.26
		90	45	24.69	24.51	24.42	24.75	24.60	24.58	24.20	24.06	24.10	23.54	23.54	23.39
		180	0	23.63	23.55	23.39	23.65	23.59	23.60	23.14	23.09	23.06	22.46	22.50	22.40
	64QAM	1	0	22.53	22.57	21.95	22.08	22.59	22.19	22.11	22.75	22.16	21.29	21.50	21.54
		1	1	22.02	22.50	22.23	22.50	22.58	22.60	22.34	22.64	22.58	21.23	21.18	21.45
		1	186	22.55	22.48	22.18	22.42	22.70	22.07	22.16	22.79	22.32	21.29	21.03	20.94
		1	187	22.05	22.52	22.32	22.29	22.55	22.44	22.12	22.48	22.09	21.48	21.28	20.99
		90	45	23.09	22.98	22.84	23.17	23.18	23.15	22.99	22.84	22.92	21.93	21.98	21.83
		180	0	23.11	23.04	22.80	23.19	23.08	23.09	22.95	22.91	22.91	21.94	22.04	21.90
	256QAM	1	0	20.21	20.73	20.40	20.47	20.79	20.76	20.59	20.68	20.75	19.37	19.46	19.70
		1	1	20.55	20.85	20.11	20.62	20.85	20.64	20.21	20.47	20.34	19.39	19.43	19.53
		1	186	20.79	20.50	20.17	20.60	20.88	20.24	20.41	20.47	20.50	19.35	19.53	19.19
		1	187	20.67	20.61	20.63	20.88	20.57	20.32	20.43	20.52	20.13	19.60	19.59	19.09
		90	45	21.17	20.94	20.85	21.17	21.09	21.05	20.96	20.86	20.88	19.90	19.96	19.83
		180	0	21.16	21.01	20.93	21.20	21.10	21.10	20.96	20.88	20.89	19.93	19.94	19.84

OUTPUT POWER FOR 5G NR n66 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				346000	349000	352000	346000	349000	352000	346000	349000	352000	346000	349000	352000
40.0	BPSK	1	0	24.49	24.75	24.83	24.20	24.31	24.15	24.32	24.60	24.37	22.89	22.82	22.96
		1	1	25.18	25.30	25.13	25.05	25.10	25.06	24.72	24.96	24.84	23.75	23.85	23.92
		1	214	24.99	25.02	25.01	25.10	24.98	24.97	24.87	24.84	24.67	24.01	23.91	23.68
		1	215	24.52	24.39	24.63	24.16	24.06	23.81	24.54	24.45	24.13	22.96	22.86	22.65
		108	54	25.70	25.69	25.63	25.70	25.61	25.56	25.20	25.17	25.17	24.12	24.20	24.10
		216	0	25.24	25.25	25.22	24.70	24.70	24.68	25.03	25.03	24.95	23.55	23.61	23.49
	QPSK	1	0	23.97	24.16	24.03	24.58	24.68	24.72	23.77	24.03	23.94	23.38	23.34	23.53
		1	1	25.21	25.01	24.83	24.87	25.11	25.02	24.80	25.02	24.75	23.73	23.82	23.84
		1	214	24.84	24.83	25.06	24.95	24.78	24.83	24.93	24.96	24.66	23.86	23.87	23.52
		1	215	23.99	24.01	24.18	24.55	24.44	24.56	23.81	23.87	23.78	23.41	23.37	23.19
		108	54	25.48	25.51	25.44	25.62	25.57	25.46	25.20	25.16	25.10	24.18	24.12	24.06
		216	0	24.57	24.62	24.56	25.15	25.12	25.07	24.46	24.53	24.46	24.02	23.99	23.90
	16QAM	1	0	22.85	22.99	22.70	23.17	23.09	22.76	22.52	22.78	22.43	21.59	21.34	21.76
		1	1	23.91	23.89	24.03	23.91	23.98	23.69	23.27	23.95	23.40	22.51	22.66	22.93
		1	214	23.79	23.75	23.72	23.89	24.05	23.82	23.59	23.41	23.23	22.82	22.57	22.33
		1	215	22.68	22.65	22.84	22.81	22.89	22.86	22.48	22.58	22.40	21.55	21.50	21.15
		108	54	24.51	24.53	24.47	24.61	24.59	24.52	24.20	24.18	24.17	23.54	23.50	23.45
		216	0	23.46	23.56	23.47	23.64	23.58	23.60	23.19	23.26	23.18	22.48	22.52	22.52
	64QAM	1	0	22.45	22.41	22.51	22.48	22.94	22.67	22.47	22.49	22.19	21.73	21.42	21.20
		1	1	22.51	22.64	22.70	22.57	22.62	22.52	22.42	22.57	22.24	21.37	21.27	21.68
		1	214	22.32	22.31	22.50	22.40	22.19	22.21	22.27	22.48	22.18	21.30	21.23	21.40
		1	215	22.36	22.55	22.60	22.42	22.59	22.31	22.53	22.53	22.25	21.40	21.26	20.98
		108	54	22.94	22.96	22.93	23.16	23.11	23.13	22.94	22.93	22.93	21.94	21.91	21.90
		216	0	23.06	23.04	22.92	23.13	23.09	23.09	22.95	23.02	22.92	22.02	21.99	21.96
	256QAM	1	0	20.70	20.82	20.35	20.71	20.65	20.89	20.82	20.86	20.43	19.48	19.70	19.46
		1	1	20.79	20.56	20.62	20.60	20.72	20.78	20.38	20.91	20.56	19.34	19.39	19.56
		1	214	20.26	20.76	20.88	20.36	20.53	20.67	20.37	20.53	20.21	19.49	19.40	19.31
		1	215	20.53	20.32	20.54	20.70	20.77	20.54	20.47	20.50	20.38	19.49	19.35	19.42
		108	54	21.06	20.98	21.04	21.18	21.08	21.09	20.95	20.93	20.90	19.97	19.95	19.90
		216	0	21.08	21.07	21.02	21.21	21.13	21.09	20.96	21.00	20.92	19.98	20.03	19.99

OUTPUT POWER FOR 5G NR n66 (45.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 1			ANT 2			ANT 3			ANT 4		
				346500	349000	351500	346500	349000	351500	346500	349000	351500	346500	349000	351500
45.0	BPSK	1	0	1732.5	1745.0	1757.5	1732.5	1745.0	1757.5	1732.5	1745.0	1757.5	1732.5	1745.0	1757.5
		1	1	24.71	24.59	24.67	24.21	23.97	24.06	24.50	24.58	24.59	22.85	22.74	22.88
		1	1	25.13	25.26	25.13	25.06	25.25	25.12	24.81	25.03	24.96	23.79	23.81	23.85
		1	240	25.11	25.11	25.27	25.05	24.91	24.75	24.92	24.81	24.67	23.85	23.80	23.51
		1	241	24.66	24.71	24.56	24.09	23.96	23.96	24.45	24.42	24.24	22.88	22.78	22.84
		120	60	25.70	25.70	25.63	25.70	25.58	25.52	25.19	25.20	25.18	24.20	24.20	24.07
		240	0	25.34	25.33	25.23	24.75	24.67	24.72	25.07	25.05	24.94	23.61	23.60	23.57
		1	0	23.98	24.00	23.95	24.38	24.61	24.50	24.07	24.10	24.03	23.20	23.34	23.39
	QPSK	1	1	24.94	24.88	24.77	25.06	25.04	24.78	24.71	25.07	24.85	23.71	23.83	23.80
		1	240	24.86	24.90	24.93	25.00	24.98	24.67	24.86	24.68	24.72	23.78	23.81	23.62
		1	241	23.88	23.69	23.95	24.50	24.31	24.57	23.85	23.97	23.70	23.32	23.27	23.24
		120	60	25.36	25.44	25.36	25.60	25.54	25.50	25.20	25.17	25.09	24.10	24.14	24.10
		240	0	24.44	24.53	24.50	25.21	25.12	25.14	24.47	24.64	24.50	24.03	24.07	23.98
		1	0	22.51	22.94	22.92	23.02	23.13	22.98	22.43	22.41	22.42	21.91	21.75	21.84
		1	1	23.59	23.59	23.81	23.69	24.18	24.08	23.20	23.44	23.35	22.74	22.69	22.60
		1	240	23.31	23.76	23.95	23.83	23.95	23.86	23.19	23.47	23.21	22.95	22.91	22.12
	16QAM	1	241	22.43	22.50	22.82	22.81	22.75	22.26	22.29	22.52	22.37	21.77	21.62	21.64
		120	60	24.44	24.42	24.70	24.63	24.58	24.57	24.20	24.18	24.11	23.53	23.53	23.44
		240	0	23.46	23.50	23.71	23.65	23.65	23.60	23.17	23.25	23.14	22.57	22.57	22.54
		1	0	22.13	22.82	22.72	22.52	22.67	22.42	22.51	22.75	22.47	21.29	21.31	21.40
		1	1	22.48	22.43	22.40	22.63	22.52	22.60	22.26	22.26	22.48	21.58	21.29	21.00
		1	240	22.24	22.48	22.75	22.46	22.13	22.34	22.45	22.45	22.17	21.45	21.17	20.98
		1	241	22.29	22.17	22.60	22.92	22.18	22.25	22.26	22.55	22.33	21.42	21.63	21.15
		120	60	22.95	22.90	23.22	23.21	23.15	23.10	23.00	22.96	22.92	21.97	21.94	21.91
	64QAM	240	0	22.99	22.90	23.14	23.16	23.06	23.09	22.99	23.08	22.94	22.02	21.98	21.96
		1	0	20.50	20.54	20.42	20.86	20.83	20.62	20.48	20.76	20.80	19.44	19.52	19.55
		1	1	20.56	20.46	20.83	20.58	20.72	20.73	20.38	20.46	20.43	19.24	19.33	19.41
		1	240	20.45	20.21	20.82	20.30	20.88	20.62	20.48	20.30	20.34	19.44	19.65	19.14
		1	241	20.56	20.34	20.62	20.59	20.74	20.54	20.31	20.77	20.53	19.70	19.50	19.36
		120	60	20.91	20.93	21.20	21.17	21.07	21.10	20.96	20.99	20.89	20.00	20.00	19.95
		240	0	21.06	21.00	21.26	21.25	21.15	21.15	20.99	21.04	20.94	20.01	20.03	20.02

9. CONDUCTED TEST RESULTS

9.1. OCCUPIED BANDWIDTH

RULE PART(S)

FCC: §2.1049
ISED: RSS139

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.

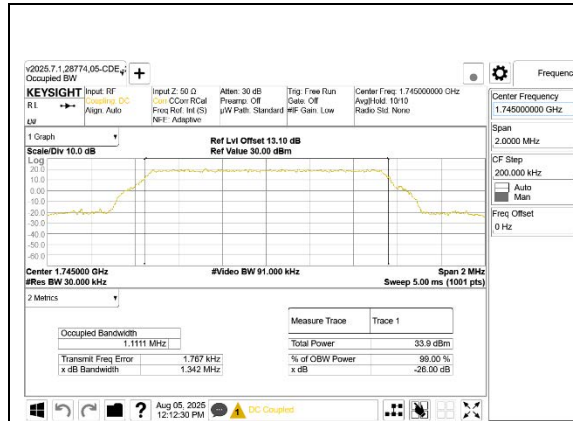
LTE BAND 66

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
LTE BAND 66	1.4MHz, QPSK	6/0	1745.0	1.111	1.34
	1.4MHz,16QAM			1.104	1.34
	3MHz, QPSK	15/0		2.705	2.97
	3MHz, 16QAM			2.712	2.96
	5MHz, QPSK	25/0		4.511	4.95
	5MHz, 16QAM			4.518	4.94
	10MHz, QPSK	50/0		9.009	9.87
	10MHz, 16QAM			9.022	9.90
	15MHz, QPSK	75/0		13.503	14.75
	15MHz, 16QAM			13.502	14.63
	20MHz, QPSK	100/0		17.970	19.57
	20MHz, 16QAM			17.971	19.67
	20MHz, QPSK	1/0		0.293	0.46

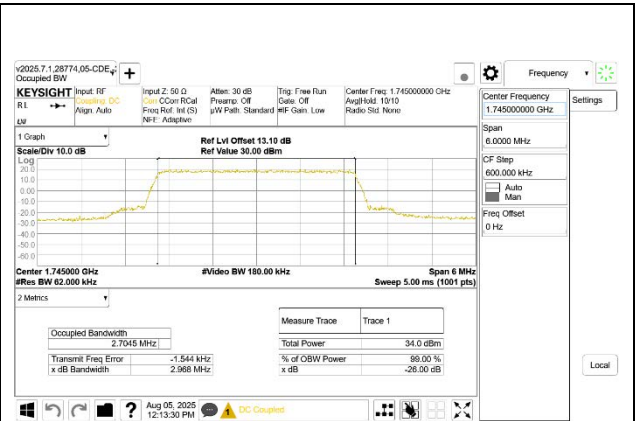
5G NR n66

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n66	5MHz, BPSK	25/0	1745.0	4.499	4.87
	5MHz, QPSK			4.474	4.88
	5MHz, 16QAM			4.492	4.86
	10MHz, BPSK	50/0		8.972	9.65
	10MHz, QPSK			8.965	9.63
	10MHz, 16QAM			8.991	9.64
	15MHz, BPSK	75/0		13.444	14.35
	15MHz, QPSK			13.437	14.27
	15MHz, 16QAM			13.477	14.32
	20MHz, BPSK	100/0		17.926	18.92
	20MHz, QPSK			17.898	19.00
	20MHz, 16QAM			17.930	19.00
	25MHz, BPSK	128/0		22.933	24.20
	25MHz, QPSK			22.877	24.23
	25MHz, 16QAM			22.956	24.27
	30MHz, BPSK	160/0		28.717	30.23
	30MHz, QPSK			28.589	30.20
	30MHz, 16QAM			28.704	30.24
	35MHz, BPSK	180/0		32.283	33.95
	35MHz, QPSK			32.150	33.95
	35MHz, 16QAM			32.282	33.97
	40MHz, BPSK	216/0		38.749	40.77
	40MHz, QPSK			38.674	40.72
	40MHz, 16QAM			38.750	40.76
	45MHz, BPSK	240/0		42.982	45.25
	45MHz, QPSK			42.972	45.23
	45MHz, 16QAM			43.029	45.26
	45MHz, BPSK	1/0		0.270	0.51

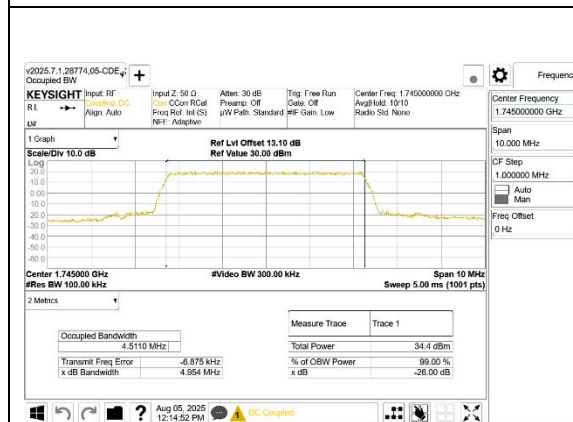
9.1.1. LTE BAND 66



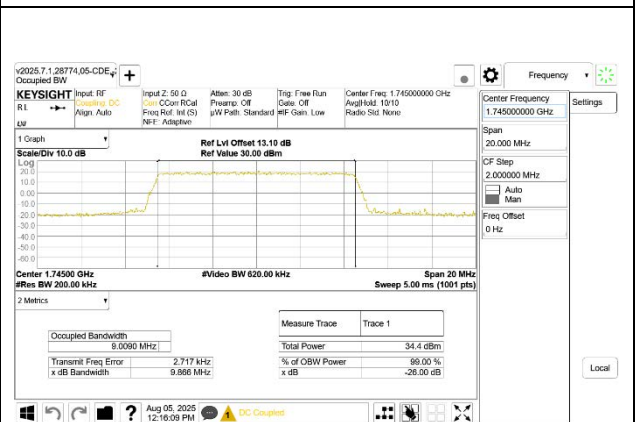
LTE B66 1.4MHz QPSK Middle Channel RB6-0



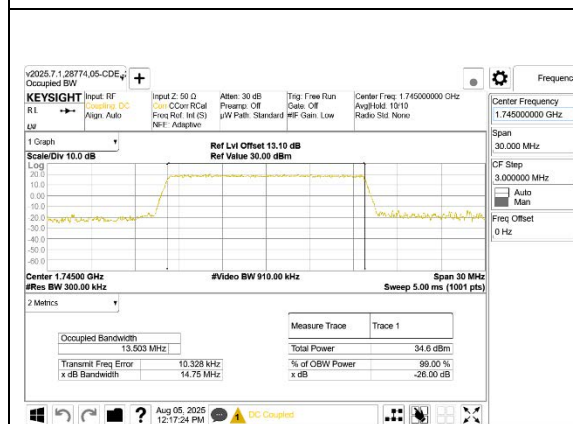
LTE B66 3MHz QPSK Middle Channel RB15-0



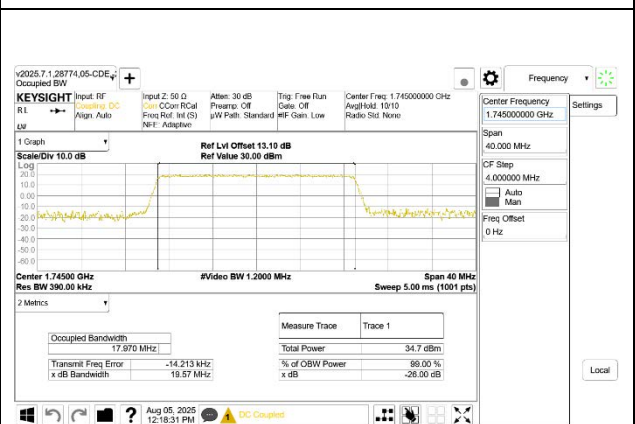
LTE B66 5MHz QPSK Middle Channel RB25-0



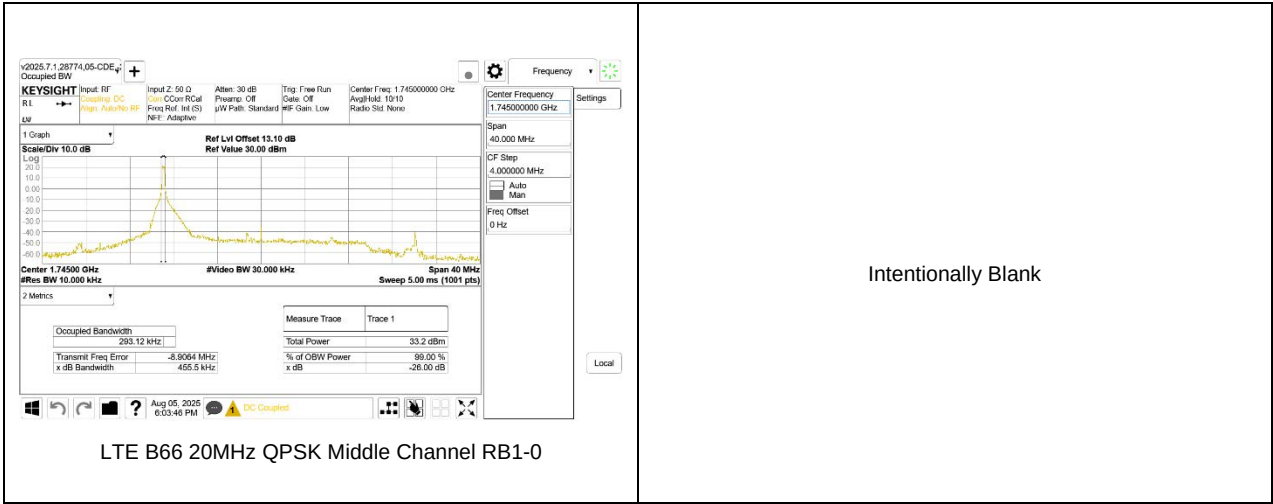
LTE B66 10MHz QPSK Middle Channel RB50-0



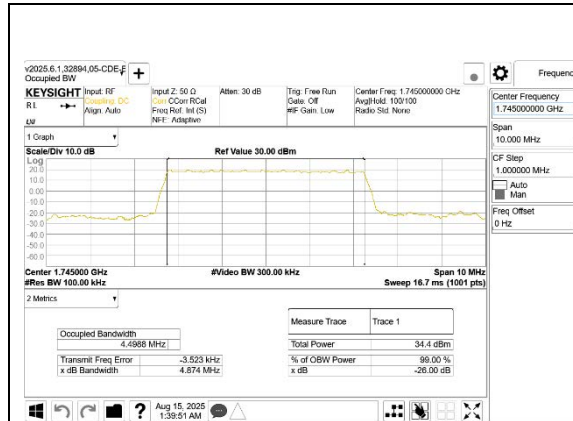
LTE B66 15MHz QPSK Middle Channel RB75-0



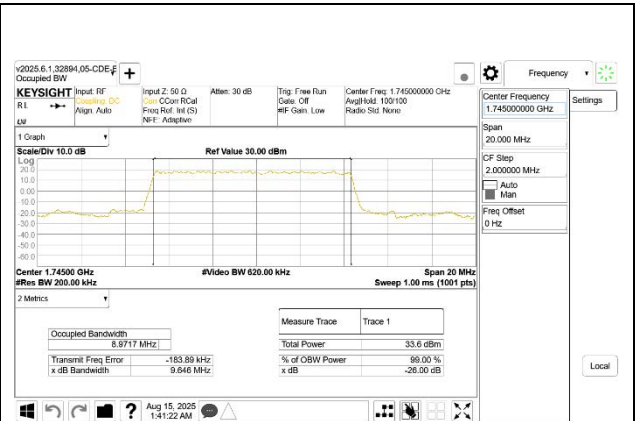
LTE B66 20MHz QPSK Middle Channel RB100-0



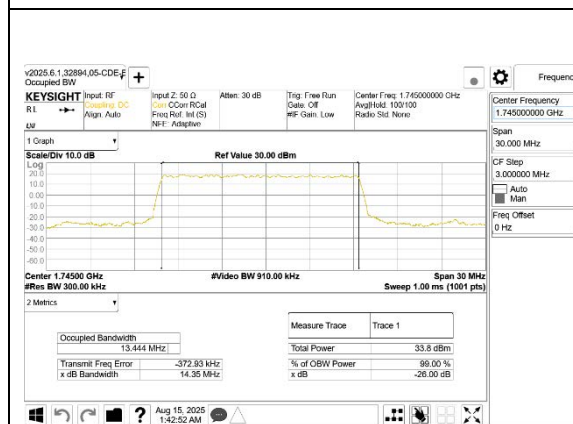
9.1.2. 5G NR n66



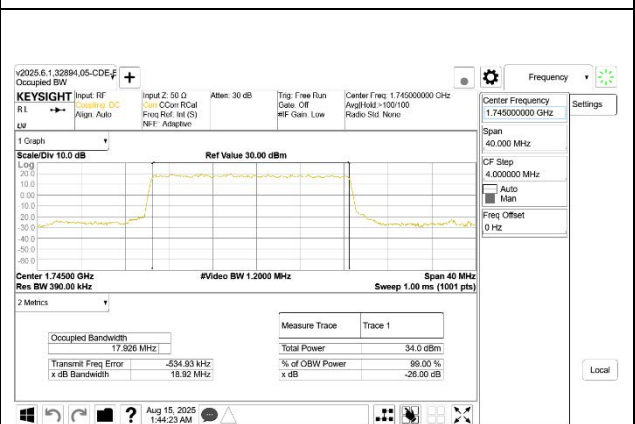
5G NR n66 5MHz BPSK Middle Channel RB25-0



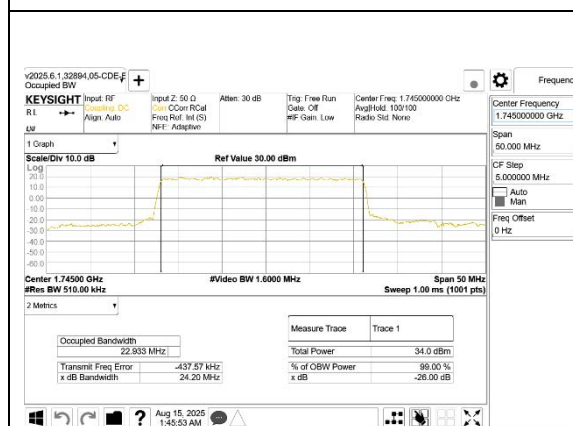
5G NR n66 10MHz BPSK Middle Channel RB50-0



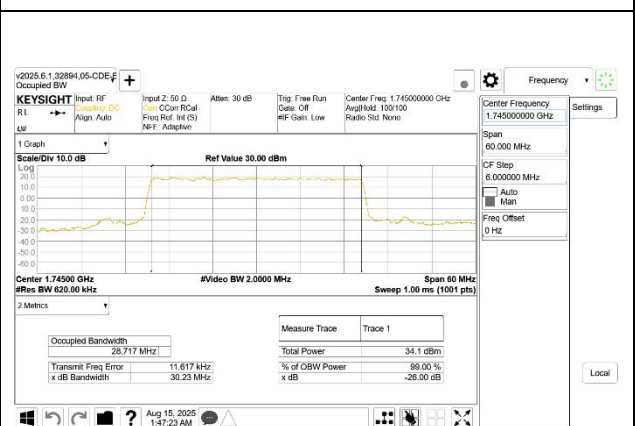
5G NR n66 15MHz BPSK Middle Channel RB75-0



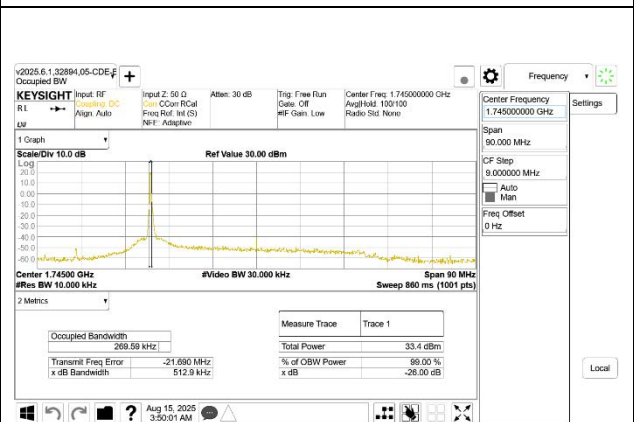
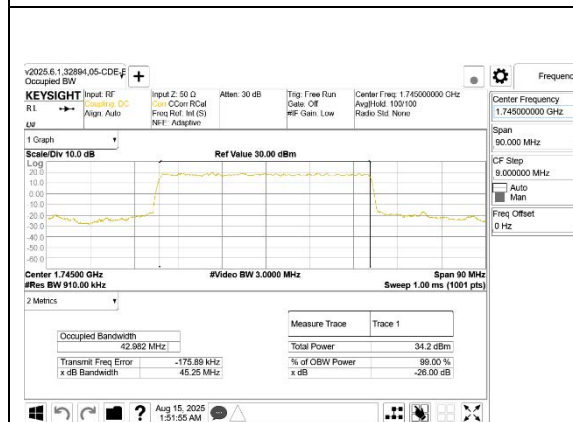
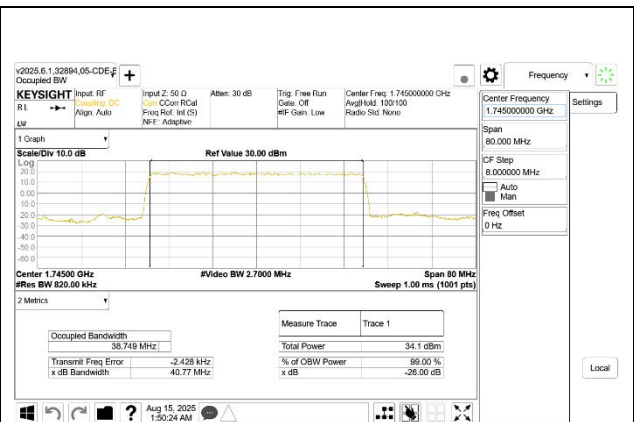
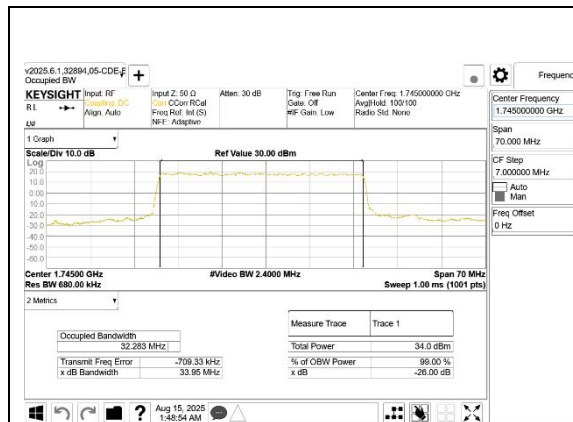
5G NR n66 20MHz BPSK Middle Channel RB100-0



5G NR n66 25MHz BPSK Middle Channel RB128-0



5G NR n66 30MHz BPSK Middle Channel RB160-0



9.2. EMISSION MASK AND ADJACENT CHANNEL POWER

LIMITS

FCC: §27.53(h)

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.

ISED: RSS139§5.6

Unwanted emissions shall be measured in terms of average values.

For all equipment, the TRP or total conducted power (sum of conducted power across all antenna connectors) of the unwanted emissions outside the frequency block or frequency block group shall not exceed the limits shown in table 6.

Table 6: Unwanted emission limits	
Offset from the edge of the frequency block or frequency block group	Unwanted emission limits
≤1 MHz	-13 dBm/(1% of B*)
>1 MHz	-13 dBm/MHz

*B is the frequency block or frequency block group.

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.

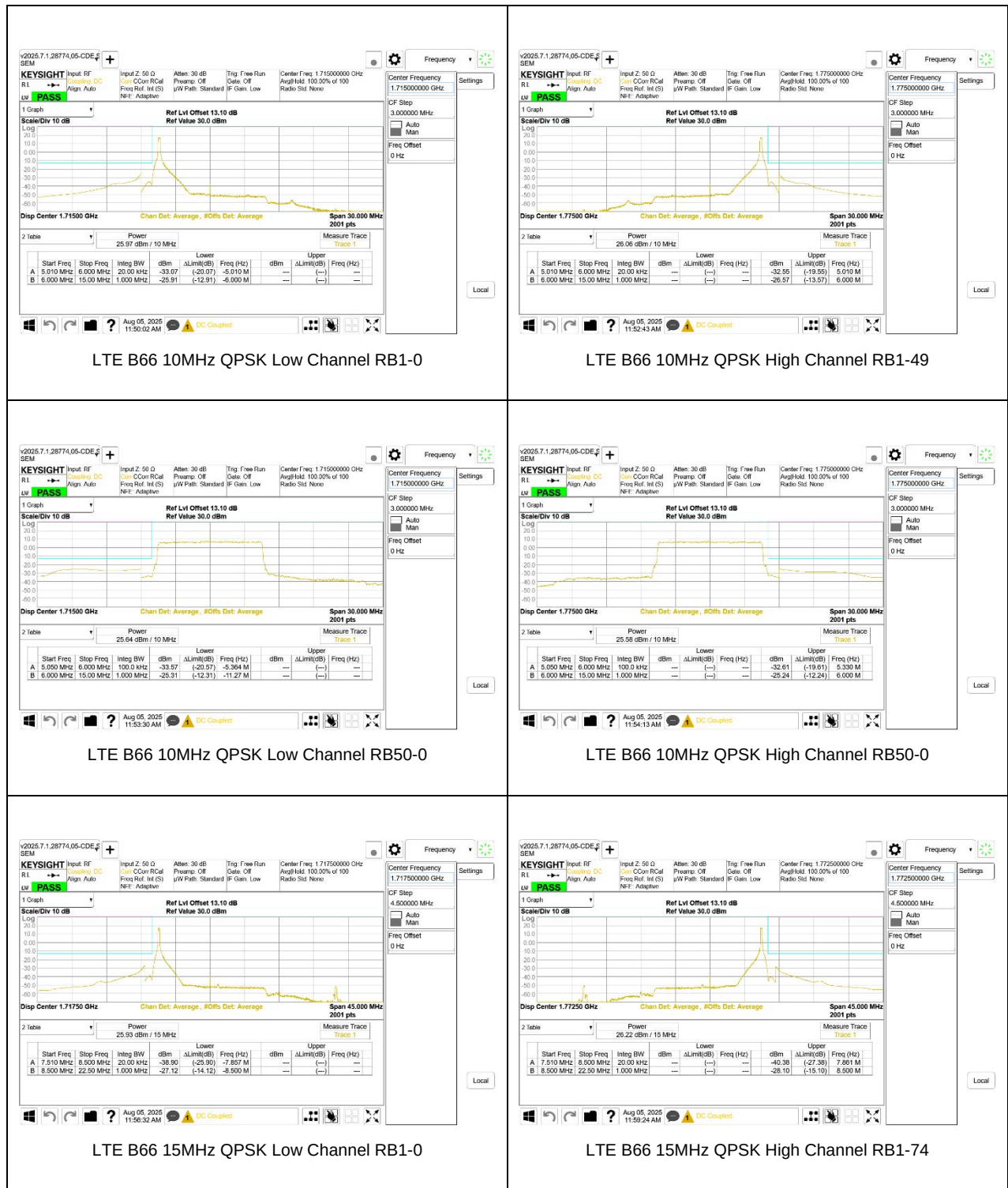
The transmitter output was connected to a base station simulator and configured to operate at maximum power. The band edge emissions were measured at the required operating frequencies in each band on the Spectrum Analyzer.

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.

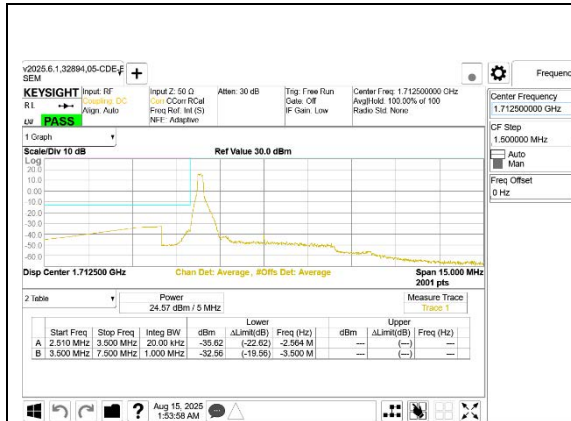
RESULTS



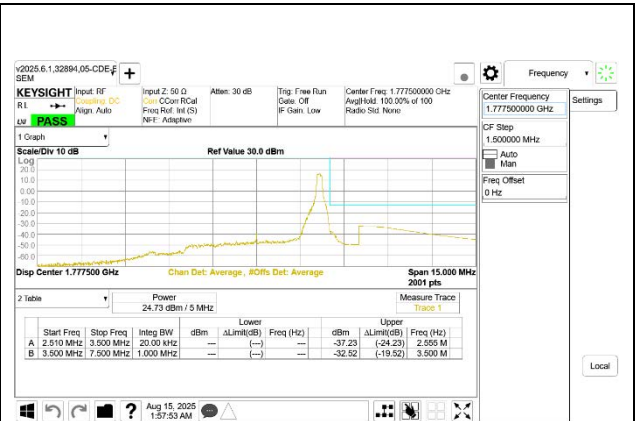




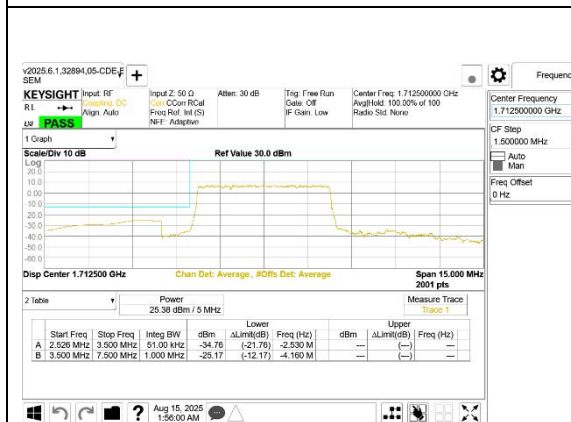
9.2.2. 5G NR n66



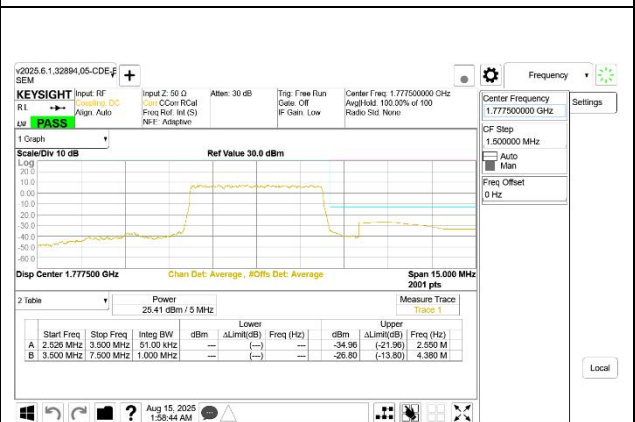
5G NR n66 5MHz BPSK Low Channel RB1-0



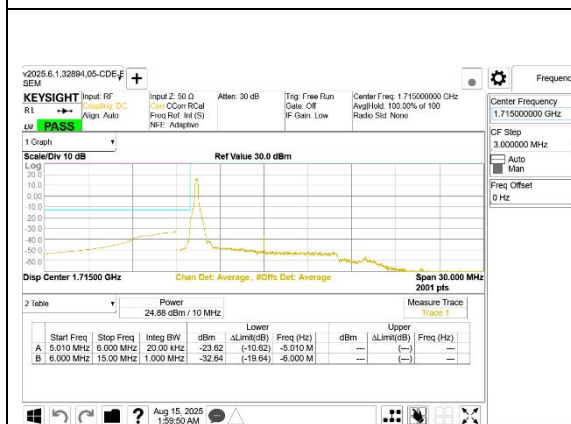
5G NR n66 5MHz BPSK High Channel RB1-24



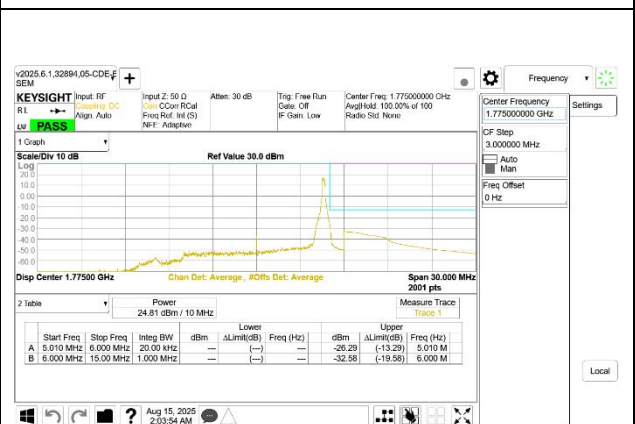
5G NR n66 5MHz BPSK Low Channel RB25-0



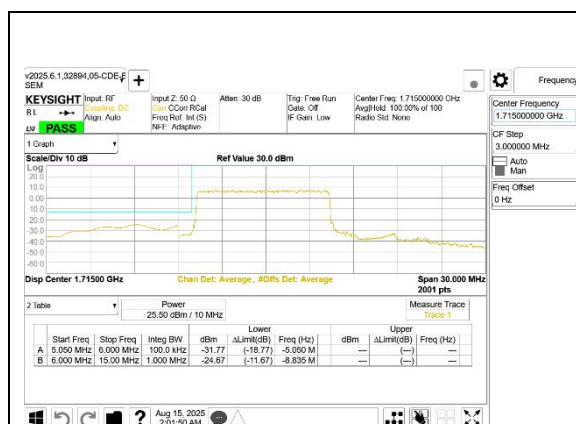
5G NR n66 5MHz BPSK High Channel RB25-0



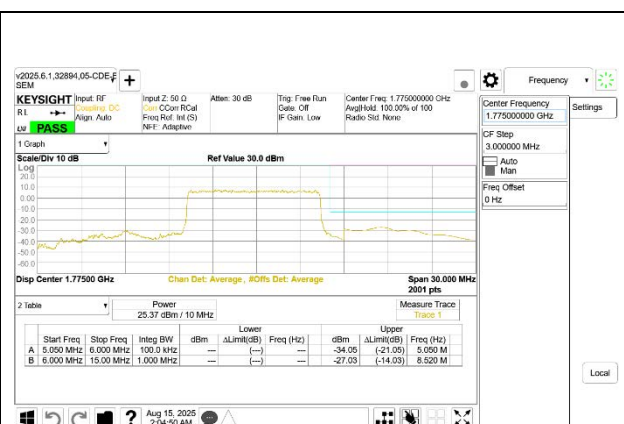
5G NR n66 10MHz BPSK Low Channel RB1-0



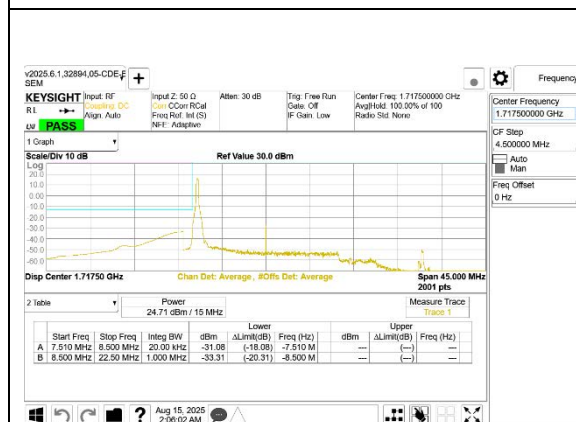
5G NR n66 10MHz BPSK High Channel RB1-51



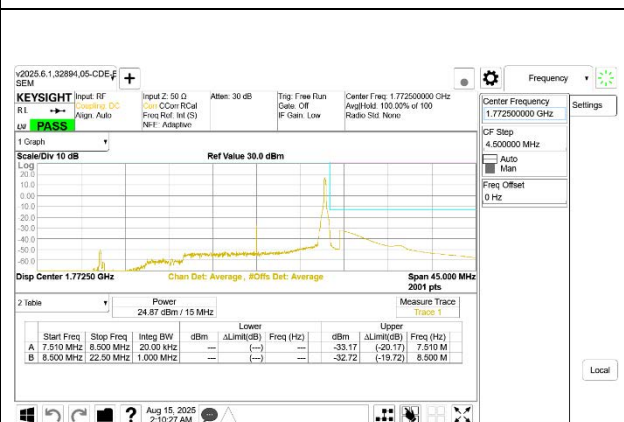
5G NR n66 10MHz BPSK Low Channel RB50-0



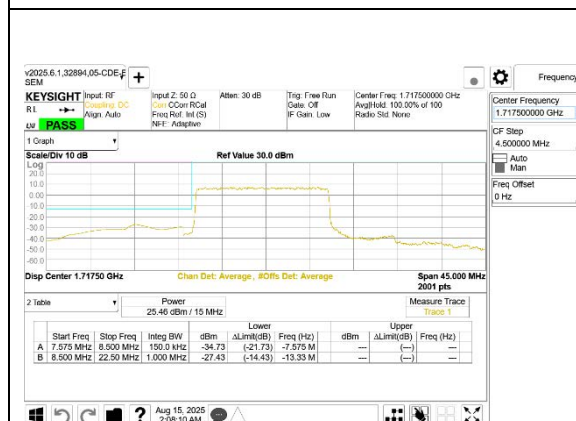
5G NR n66 10MHz BPSK High Channel RB50-0



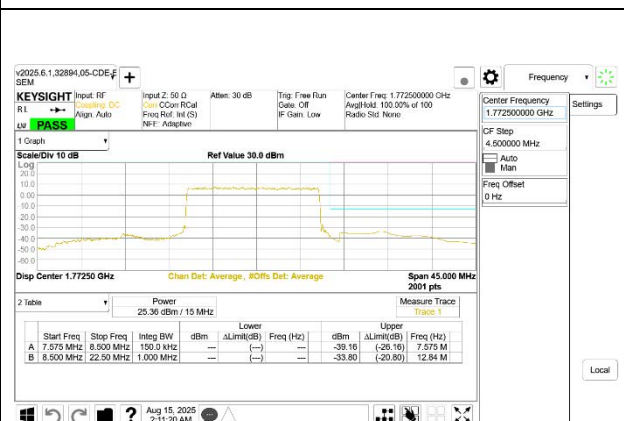
5G NR n66 15MHz BPSK Low Channel RB1-0



5G NR n66 15MHz BPSK High Channel RB1-78



5G NR n66 15MHz BPSK Low Channel RB75-0



5G NR n66 15MHz BPSK High Channel RB75-0









9.3. OUT OF BAND EMISSIONS

LIMITS

FCC: §27.53 (h)

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

ISED: RSS139§5.6

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

TEST PROCEDURE

The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold mode using a peak detector to ensure that the worst-case emissions were caught.

For each out of band emissions measurement:

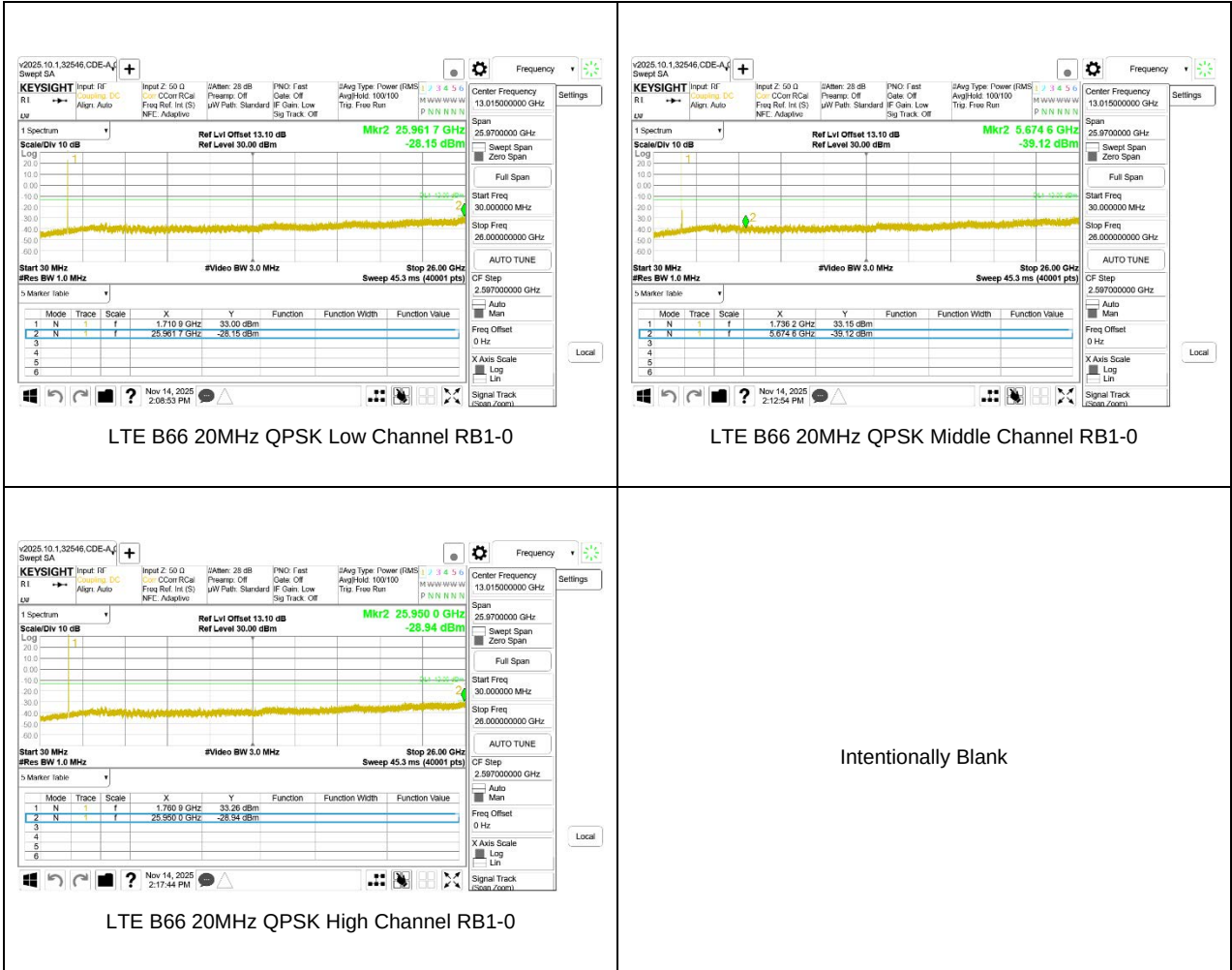
- Set display line at -13 dBm
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.
(NOTE: Worst case set RBW/VBW to 1MHz/3MHz)

RESULTS

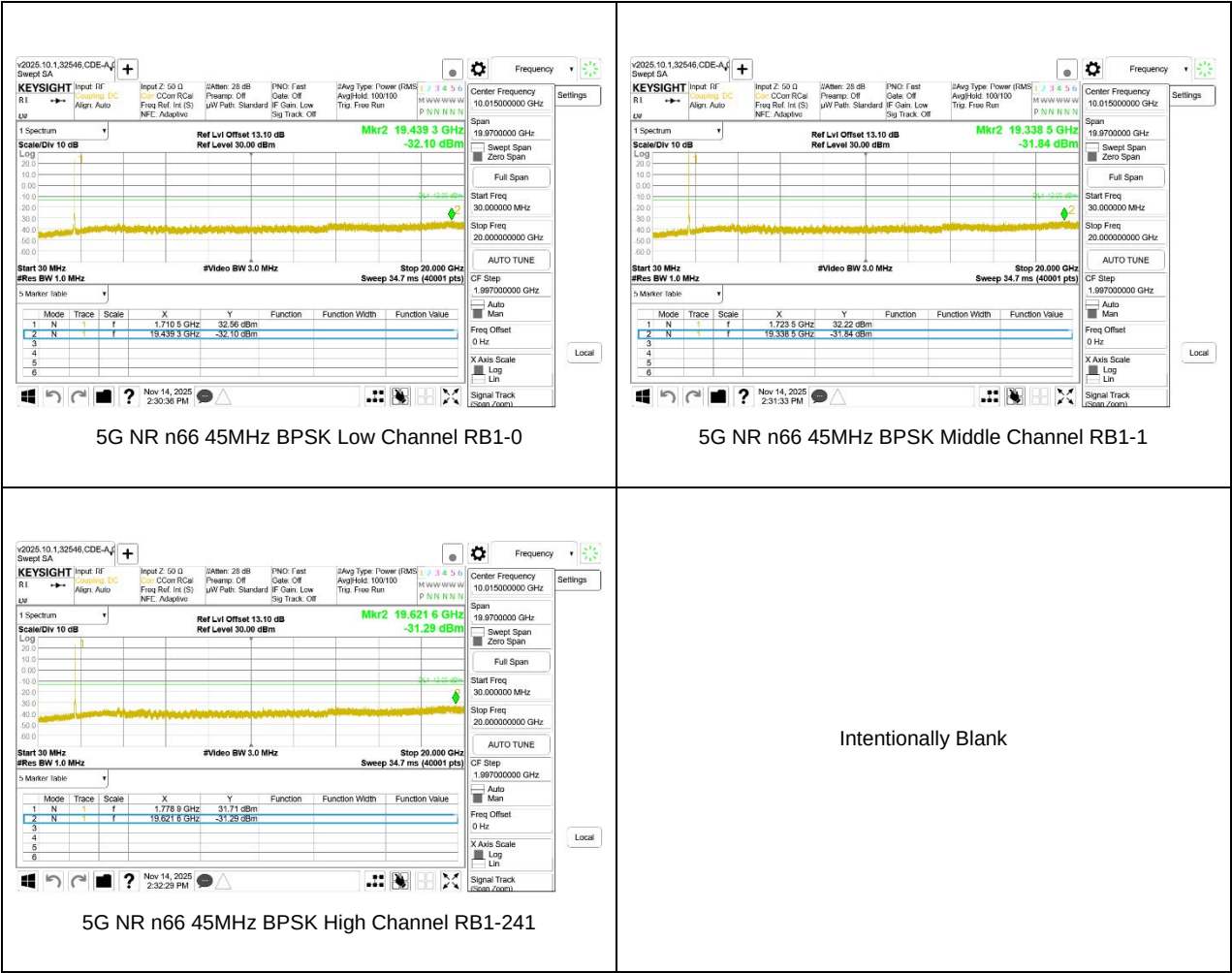
QPSK with 1RB is the highest power to all bandwidth. 1RB has the same frequency and power to all bandwidth. Therefore, QPSK with 1RB and wider bandwidths results are reported as worst case for LTE bands.

BPSK with 1RB is the highest power to all bandwidth. 1RB has the same frequency and power to all bandwidth. Therefore, BPSK with 1RB and wider bandwidths results are reported as worst case for 5G NRs.

9.3.1. LTE BAND 66



9.3.2. 5G NR n66



9.4. FREQUENCY STABILITY

LIMITS

FCC: §27.54

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

ISED: RSS139§5.4

The frequency stability shall be sufficient to ensure that the occupied bandwidth stays within the operating frequency block or frequency block group when tested to the temperature and supply voltage variations specified in RSS-Gen.

TEST PROCEDURE

Use base station simulator with Frequency Error measurement capability.

- Temp. = -30°C to +50°C
- Voltage = (85% - 115%)
Low voltage, 3.23VDC, Normal, 3.8VDC and High voltage, 4.37VDC.
End Voltage, 3.2VDC.

Frequency Stability vs Temperature:

The EUT is placed inside a temperature chamber. The temperature is set to 20°C and allowed to stabilize. After sufficient soak time, the transmitting frequency error is measured. The temperature is increased by 10 degrees, allowed to stabilize and soak, and then the measurement is repeated. This is repeated until +50°C is reached.

Frequency Stability vs Voltage:

The peak frequency error is recorded (worst-case).

RESULTS

See the following pages.

9.4.1. LTE BAND 66 (QPSK 20MHz BANDWIDTH)

Test Engineer ID:	32188	Test Date:	9/10/2025
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Band	66	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1710	1780		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)			
Temperature	Voltage					
Normal (20°C)	Normal	1711.0605	1778.9368			
Extreme (50°C)		1711.0605	1778.9368	-2.5	-0.001	Yes
Extreme (40°C)		1711.0605	1778.9368	-1.5	-0.001	Yes
Extreme (30°C)		1711.0605	1778.9368	-1.4	-0.001	Yes
Extreme (10°C)		1711.0605	1778.9368	-0.9	-0.001	Yes
Extreme (0°C)		1711.0605	1778.9368	-1.3	-0.001	Yes
Extreme (-10°C)		1711.0605	1778.9368	-0.4	0.000	Yes
Extreme (-20°C)		1711.0605	1778.9368	-2.8	-0.002	Yes
Extreme (-30°C)		1711.0605	1778.9368	-0.5	0.000	Yes
20°C	15%	1711.0605	1778.9368	-0.7	0.000	Yes
	-15%	1711.0605	1778.9368	-1.4	-0.001	Yes
	End Point Voltage	1711.0605	1778.9368	-1.2	-0.001	Yes

9.4.2. 5G NR n66 (BPSK 45MHz BANDWIDTH)

Test Engineer ID:	32188	Test Date:	9/12/2025
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Band	66	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1710	1780			
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	1710.9993	1778.6718			
Extreme (50°C)		1710.9993	1778.6718	1.4	0.001	Yes
Extreme (40°C)		1710.9993	1778.6718	2.0	0.001	Yes
Extreme (30°C)		1710.9993	1778.6718	3.9	0.002	Yes
Extreme (10°C)		1710.9993	1778.6718	2.2	0.001	Yes
Extreme (0°C)		1710.9993	1778.6718	1.3	0.001	Yes
Extreme (-10°C)		1710.9993	1778.6718	2.4	0.001	Yes
Extreme (-20°C)		1710.9993	1778.6718	-1.7	-0.001	Yes
Extreme (-30°C)		1710.9993	1778.6718	-1.3	-0.001	Yes
20°C	15%	1710.9993	1778.6718	2.9	0.002	Yes
	-15%	1710.9993	1778.6718	-1.4	-0.001	Yes
	End Point Voltage	1710.9993	1778.6718	3.3	0.002	Yes

9.5. PEAK-TO-AVERAGE POWER RATIO

LIMIT

FCC: §27.50 (d) (5)

In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

ISED: RSS139§5.5

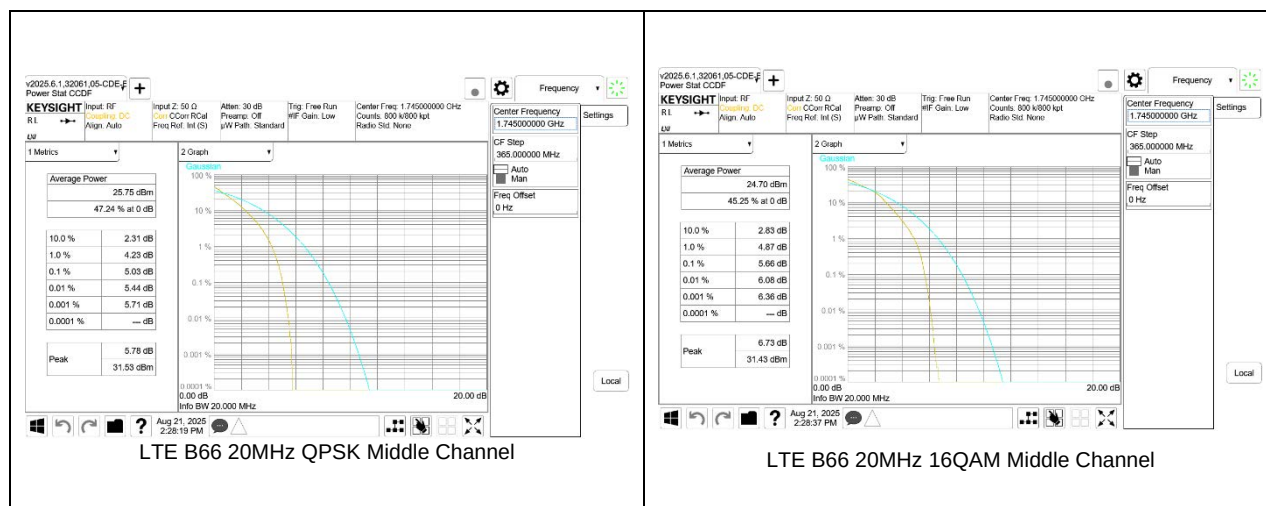
In addition, the peak to average power ratio (PAPR) of the equipment shall not exceed 13 dB for more than 0.1% of the time, using a signal that corresponds to the highest PAPR during periods of continuous transmission.

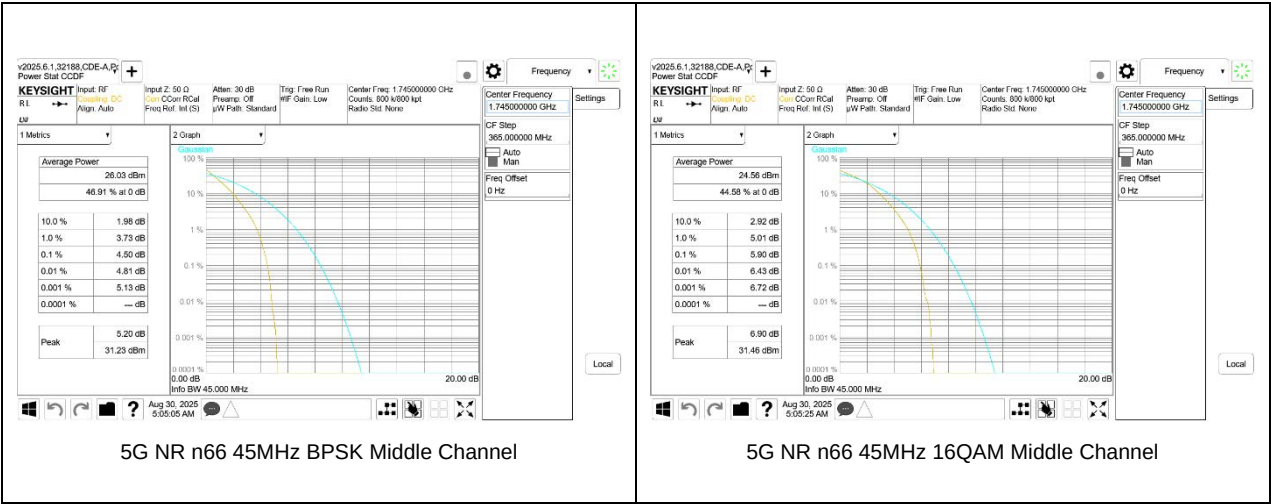
RESULT

The worst-case antenna port for conducted power shown in section 6.5. was used to measure as the worst case; full resource block (FRB) for each bandwidth was used to measure as the worst case. The results from all CCDF measurements are passed with 13dB peak-to-average power ratio criteria.

Note: For continuous transmissions, the measurement interval should be long enough to capture sufficient statistical variation of the signal peaks. For burst transmissions, we use a triggered measurement synchronized with the burst.

Example Plots: FULL RB





9.5.1. LTE BAND 66

Test Engineer ID:		32061	Test Date:		2025-08-20			
Band	Bandwidth (MHz)	Frequency (MHz)	RB Allocation	RB OffSet	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
						Peak	Average	
LTE Band 66	1.4MHz	1745.0	6	0	QPSK	31.15	25.63	5.52
					16QAM	30.87	24.63	6.24
	3MHz		15	0	QPSK	31.43	25.71	5.72
					16QAM	31.14	24.63	6.51
	5MHz		25	0	QPSK	31.35	25.76	5.59
					16QAM	31.04	24.69	6.35
	10MHz		50	0	QPSK	31.41	25.80	5.61
					16QAM	31.04	24.73	6.31
	15MHz		75	0	QPSK	31.54	25.73	5.81
					16QAM	30.96	24.63	6.33
20MHz	100	0	QPSK	31.53	25.75	5.78		
			16QAM	31.43	24.70	6.73		
Duty Cycle Correction Factor (dB) =			0.00					
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

9.5.2. 5G NR n66

Test Engineer ID:		32188	Test Date:		2025-08-29			
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Band	Bandwidth (MHz)	Frequency (MHz)	RB Allocation	RB OffSet	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
						Peak	Average	
5G NR n66	5MHz	1745.0	25	0	BPSK	30.48	26.06	4.42
					16QAM	30.76	24.57	6.19
	10MHz		50	0	BPSK	30.72	26.1	4.62
					16QAM	31.00	24.59	6.41
	15MHz		75	0	BPSK	30.83	26.08	4.75
					16QAM	30.98	24.61	6.37
	20MHz		100	0	BPSK	31.02	26.13	4.89
					16QAM	30.90	24.62	6.28
	25MHz		128	0	BPSK	31.34	26.18	5.16
					16QAM	31.49	24.69	6.80
	30MHz		160	0	BPSK	31.07	25.98	5.09
					16QAM	30.94	24.5	6.44
	35MHz		180	0	BPSK	31.14	25.99	5.15
					16QAM	31.32	24.49	6.83
	40MHz		216	0	BPSK	31.79	26.02	5.77
					16QAM	31.26	24.53	6.73
	45MHz		240	0	BPSK	31.23	26.03	5.20
					16QAM	31.46	24.56	6.90
Duty Cycle Correction Factor (dB) =			0.00					
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

10. RADIATED TEST RESULTS

LIMITS

FCC: §27.53 (h)

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.

ISED: RSS139§5.6

Unwanted emissions shall be measured in terms of average values.

For all equipment, the TRP or total conducted power (sum of conducted power across all antenna connectors) of the unwanted emissions outside the frequency block or frequency block group shall not exceed the limits shown in table 4.

Table 6: Unwanted emission limits	
Offset from the edge of the frequency block or frequency block group	Unwanted emission limits
≤1 MHz	-13 dBm/(1% of B*)
>1 MHz	-13 dBm/MHz

*B is the frequency block or frequency block group.

Radiated measurement using the Field Strength Method

Using the test configuration shown in Figure 6 below, the radiated emissions is measured directly from the EUT and convert the measured field strength or received power to ERP or EIRP, as required, for comparison to the applicable limits. As stated in 5.5.1 of ANSI C63.26-2015, the field strength measurement method using a test site validated to the requirements of ANSI C63.4 is an alternative to the substitution measurement.

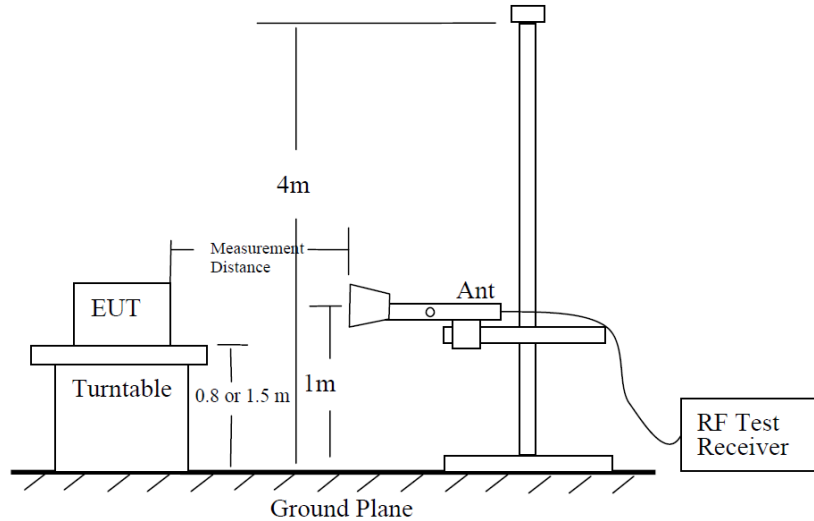


Figure 6 —Test site-up for radiated ERP and/or EIRP measurements

Radiated Power Measurement Calculation According to ANSI C63.26-2015

- a) $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dB}\mu\text{V)} + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$.
- b) $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$.
- c) $E \text{ (dB}\mu\text{V/m)} = \text{EIRP (dBm)} - 20\log(D) + 104.8$; where D is the measurement distance (in the far field region) in m.
- d) $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20\log(D) - 104.8$; where D is the measurement distance (in the far field region) in m.

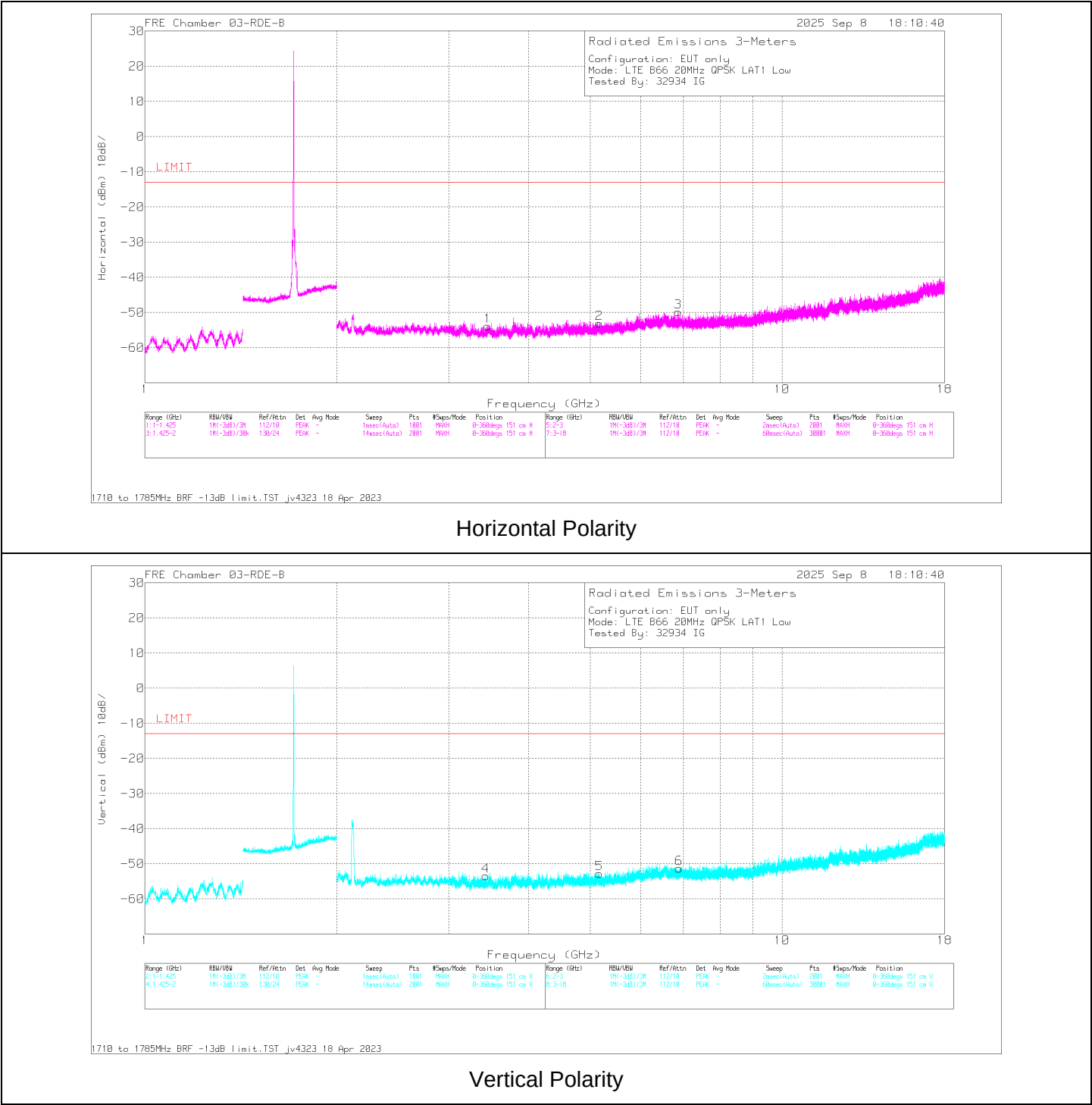
So, from d)

The measuring distance is usually at 3m, then $20 \cdot \log(3) = 9.5424$

Then, $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 9.5424 - 104.8 = E \text{ (dB}\mu\text{V/m)} - 95.2576$

Note: Confidence check of each chamber is performed daily to see if any degradation from expected/normal reading reference data. Ambient check of each chamber is performed monthly.

Example Plot



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
1	3.452000	55.90	Pk	32.8	-95.2	-47.40	-53.9	-13	-40.90	H
2	5.164000	57.14	Pk	34.1	-95.2	-49.10	-53.06	-13	-40.06	H
3	6.872500	56.81	Pk	35.6	-95.2	-47.00	-49.79	-13	-36.79	H
4	3.428000	56.43	Pk	32.8	-95.2	-47.50	-53.47	-13	-40.47	V
5	5.167000	57.25	Pk	34.1	-95.2	-49.00	-52.85	-13	-39.85	V
6	6.894000	54.95	Pk	35.6	-95.2	-46.70	-51.35	-13	-38.35	V

10.1. FIELD STRENGTH OF SPURIOUS RADIATION

TEST PROCEDURE

KDB 971168 D01 /D02

All tests above 1GHz were done with a Resolution Bandwidth of 1MHz, and a Video Bandwidth of 3MHz

RESULTS

10.1.1. LTE BAND 66

LTE BAND 66 (QPSK 20.0MHZ BANDWIDTH, ANT 1)

Project #:	15941282
Date:	2025-09-08
Test Engineer:	32934
Configuration:	EUT Only
Mode	LTE B66 QPSK 20MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Amp/Cbl (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 1720MHz									
3.452000	55.90	Pk	32.8	-95.2	-47.40	-53.90	-13	-40.90	H
3.428000	56.43	Pk	32.8	-95.2	-47.50	-53.47	-13	-40.47	V
5.164000	57.14	Pk	34.1	-95.2	-49.10	-53.06	-13	-40.06	H
5.167000	57.25	Pk	34.1	-95.2	-49.00	-52.85	-13	-39.85	V
6.872500	56.81	Pk	35.6	-95.2	-47.00	-49.79	-13	-36.79	H
6.894000	54.95	Pk	35.6	-95.2	-46.70	-51.35	-13	-38.35	V
Mid Channel, 1745MHz									
3.478500	55.99	Pk	32.7	-95.2	-47.05	-53.56	-13	-40.56	H
3.452000	55.78	Pk	32.8	-95.2	-47.4	-54.02	-13	-41.02	V
5.239000	56.96	Pk	34.2	-95.2	-48.70	-52.74	-13	-39.74	H
5.253500	56.04	Pk	34.2	-95.2	-48.75	-53.71	-13	-40.71	V
6.985000	54.80	Pk	35.6	-95.2	-46.60	-51.40	-13	-38.40	H
7.001500	55.80	Pk	35.6	-95.2	-46.8	-50.60	-13	-37.60	V
High Channel, 1770MHz									
3.534500	54.68	Pk	32.8	-95.2	-46.80	-54.52	-13	-41.52	H
3.529500	54.40	Pk	32.8	-95.2	-46.85	-54.85	-13	-41.85	V
5.326000	56.79	Pk	34.2	-95.2	-48.70	-52.91	-13	-39.91	H
5.315500	56.29	Pk	34.2	-95.2	-48.60	-53.31	-13	-40.31	V
7.084000	55.79	Pk	35.7	-95.2	-47.40	-51.11	-13	-38.11	H
7.111500	56.11	Pk	35.7	-95.2	-47.40	-50.79	-13	-37.79	V

LTE BAND 66 (QPSK 20.0MHZ BANDWIDTH, ANT 2)

Project #:	15941282
Date:	2025-09-10
Test Engineer:	45258
Configuration:	EUT Only
Mode	LTE B66 QPSK 20MHz
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Amp/Cbl (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 1720MHz									
3.446500	57.11	Pk	32.8	-95.2	-47.45	-52.74	-13	-39.74	H
3.435500	57.75	Pk	32.8	-95.2	-47.55	-52.20	-13	-39.20	V
5.164000	57.29	Pk	34.1	-95.2	-49.10	-52.91	-13	-39.91	V
5.160500	55.99	Pk	34.1	-95.2	-49.10	-54.21	-13	-41.21	H
6.868000	57.78	Pk	35.6	-95.2	-47.10	-48.92	-13	-35.92	H
6.877500	54.74	Pk	35.6	-95.2	-47.00	-51.86	-13	-38.86	V
Mid Channel, 1745MHz									
3.491500	56.07	Pk	32.7	-95.2	-46.80	-53.23	-13	-40.23	H
3.490000	55.34	Pk	32.7	-95.2	-46.70	-53.86	-13	-40.86	V
5.235500	56.82	Pk	34.2	-95.2	-48.65	-52.83	-13	-39.83	V
5.238500	56.73	Pk	34.2	-95.2	-48.65	-52.92	-13	-39.92	H
6.977500	56.28	Pk	35.6	-95.2	-46.50	-49.82	-13	-36.82	H
6.978500	54.79	Pk	35.6	-95.2	-46.55	-51.36	-13	-38.36	V
High Channel, 1770MHz									
3.550500	55.86	Pk	32.8	-95.2	-46.90	-53.44	-13	-40.44	H
3.553000	54.77	Pk	32.8	-95.2	-46.80	-54.43	-13	-41.43	V
5.313000	56.19	Pk	34.2	-95.2	-48.60	-53.41	-13	-40.41	V
5.305000	56.80	Pk	34.2	-95.2	-48.60	-52.80	-13	-39.80	H
7.081000	55.11	Pk	35.7	-95.2	-47.50	-51.89	-13	-38.89	H
7.083500	55.93	Pk	35.7	-95.2	-47.45	-51.02	-13	-38.02	V

LTE BAND 66 (QPSK 20.0MHZ BANDWIDTH, ANT 3)

Project #:	15941282
Date:	2025-09-17
Test Engineer:	32545
Configuration:	EUT Only
Mode	LTE B66 QPSK 20MHz
Chamber #:	03-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	EIRP CF	Amp/Cbl (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 1720MHz									
3.448000	55.92	Pk	32.8	-95.2	-46.70	-53.18	-13	-40.18	H
3.447500	55.62	Pk	32.8	-95.2	-46.65	-53.43	-13	-40.43	V
5.176500	55.26	Pk	34.3	-95.2	-47.75	-53.39	-13	-40.39	H
5.169500	56.38	Pk	34.2	-95.2	-47.85	-52.47	-13	-39.47	V
6.889500	54.44	Pk	35.8	-95.2	-45.60	-50.56	-13	-37.56	H
6.873000	53.69	Pk	35.8	-95.2	-45.10	-50.81	-13	-37.81	V
Mid Channel, 1745MHz									
3.493500	55.50	Pk	32.9	-95.2	-46.70	-53.50	-13	-40.50	H
3.487000	55.46	Pk	32.9	-95.2	-46.70	-53.54	-13	-40.54	V
5.227000	55.60	Pk	34.4	-95.2	-47.50	-52.70	-13	-39.70	H
5.228000	55.88	Pk	34.4	-95.2	-47.60	-52.52	-13	-39.52	V
6.968000	54.60	Pk	35.8	-95.2	-46.10	-50.9	-13	-37.90	H
6.9725000	53.95	Pk	35.8	-95.2	-46.20	-51.65	-13	-38.65	V
High Channel, 1770MHz									
3.543000	55.19	Pk	32.9	-95.2	-46.80	-53.91	-13	-40.91	H
3.537000	54.41	Pk	32.9	-95.2	-46.60	-54.49	-13	-41.49	V
5.305000	55.20	Pk	34.6	-95.2	-47.60	-53.00	-13	-40.00	H
5.308000	55.81	Pk	34.6	-95.2	-47.50	-52.29	-13	-39.29	V
7.081500	53.07	Pk	35.9	-95.2	-45.15	-51.38	-13	-38.38	H
7.0745000	53.6	Pk	35.9	-95.2	-45.10	-50.80	-13	-37.80	V

LTE BAND 66 (QPSK 20.0MHZ BANDWIDTH, ANT 4)

Project #:	15941282
Date:	2025-09-19
Test Engineer:	32545
Configuration:	EUT Only
Mode	LTE B66 QPSK 20MHz
Chamber #:	03-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	EIRP CF	Amp/Cbl (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 1720MHz									
3.452500	55.52	Pk	32.8	-95.2	-46.70	-53.58	-13	-40.58	H
3.440000	55.76	Pk	32.8	-95.2	-46.70	-53.34	-13	-40.34	V
5.162500	55.86	Pk	34.2	-95.2	-47.80	-52.94	-13	-39.94	H
5.162500	56.34	Pk	34.2	-95.2	-47.80	-52.46	-13	-39.46	V
6.872000	53.06	Pk	35.8	-95.2	-45.10	-51.44	-13	-38.44	H
6.891000	54.07	Pk	35.8	-95.2	-45.60	-50.93	-13	-37.93	V
Mid Channel, 1745MHz									
3.497000	54.8	Pk	32.9	-95.2	-46.70	-54.20	-13	-41.20	H
3.497000	55.75	Pk	32.9	-95.2	-46.70	-53.25	-13	-40.25	V
5.241000	55.44	Pk	34.4	-95.2	-47.40	-52.76	-13	-39.76	H
5.226500	56.40	Pk	34.4	-95.2	-47.50	-51.90	-13	-38.90	V
6.990500	53.99	Pk	35.8	-95.2	-46.00	-51.41	-13	-38.41	H
6.984500	54.07	Pk	35.8	-95.2	-46.05	-51.38	-13	-38.38	V
High Channel, 1770MHz									
3.549000	55.64	Pk	32.9	-95.2	-46.7	-53.36	-13	-40.36	H
3.537000	54.22	Pk	32.9	-95.2	-46.6	-54.68	-13	-41.68	V
5.322500	55.11	Pk	34.6	-95.2	-47.6	-53.09	-13	-40.09	H
5.310000	55.53	Pk	34.6	-95.2	-47.5	-52.57	-13	-39.57	V
7.074500	53.84	Pk	35.9	-95.2	-45.1	-50.56	-13	-37.56	H
7.082000	54.32	Pk	35.9	-95.2	-45.1	-50.08	-13	-37.08	V

10.1.2. 5G NR n66

5G NR n66 (BPSK 45.0MHZ BANDWIDTH, ANT 1)

Project #:	15941282
Date:	2025-09-08
Test Engineer:	32545
Configuration:	EUT Only
Mode	5G NR n66 BPSK 45MHz
Chamber #:	03-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 1732.5MHz									
3.459500	55.38	Pk	32.9	-95.2	-46.75	-53.67	-13	-40.67	H
3.458500	54.83	Pk	32.9	-95.2	-46.80	-54.27	-13	-41.27	V
5.193500	55.35	Pk	34.3	-95.2	-47.40	-52.95	-13	-39.95	H
5.196500	55.71	Pk	34.3	-95.2	-47.45	-52.64	-13	-39.64	V
6.907000	54.02	Pk	35.8	-95.2	-46.00	-51.38	-13	-38.38	H
6.924000	53.8	Pk	35.8	-95.2	-46.10	-51.70	-13	-38.70	V
Mid Channel, 1745MHz									
3.495500	54.52	Pk	32.9	-95.2	-46.65	-54.43	-13	-41.43	H
3.491500	54.16	Pk	32.9	-95.2	-46.80	-54.94	-13	-41.94	V
5.233000	56.80	Pk	34.4	-95.2	-47.50	-51.50	-13	-38.50	H
5.240000	56.29	Pk	34.4	-95.2	-47.40	-51.91	-13	-38.91	V
7.001500	53.92	Pk	35.8	-95.2	-45.80	-51.28	-13	-38.28	H
6.986000	53.53	Pk	35.8	-95.2	-46.00	-51.87	-13	-38.87	V
High Channel, 1757.5MHz									
3.494500	54.37	Pk	32.9	-95.2	-46.70	-54.63	-13	-41.63	H
3.494000	53.77	Pk	32.9	-95.2	-46.70	-55.23	-13	-42.23	V
5.242000	55.57	Pk	34.4	-95.2	-47.40	-52.63	-13	-39.63	H
5.237500	55.82	Pk	34.4	-95.2	-47.50	-52.48	-13	-39.48	V
6.981000	53.95	Pk	35.8	-95.2	-46.10	-51.55	-13	-38.55	H
6.985500	54.48	Pk	35.8	-95.2	-46.00	-50.92	-13	-37.92	V

5G NR n66 (BPSK 45.0MHZ BANDWIDTH, ANT 2)

Project #:	15941282
Date:	2025-09-10
Test Engineer:	32545
Configuration:	EUT Only
Mode	5G NR n66 BPSK 45MHz
Chamber #:	03-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 1732.5MHz									
3.523500	55.38	Pk	32.9	-95.2	-46.50	-53.42	-13	-40.42	H
3.513500	54.99	Pk	32.9	-95.2	-46.50	-53.81	-13	-40.81	V
5.293000	55.48	Pk	34.5	-95.2	-47.50	-52.72	-13	-39.72	H
5.289000	55.96	Pk	34.5	-95.2	-47.60	-52.34	-13	-39.34	V
7.028000	55.10	Pk	35.8	-95.2	-45.80	-50.10	-13	-37.10	H
7.032500	54.70	Pk	35.8	-95.2	-45.80	-50.50	-13	-37.50	V
Mid Channel, 1745MHz									
3.488500	54.12	Pk	32.9	-95.2	-46.70	-54.88	-13	-41.88	H
3.490500	55.38	Pk	32.9	-95.2	-46.75	-53.67	-13	-40.67	V
5.228000	55.83	Pk	34.4	-95.2	-47.60	-52.57	-13	-39.57	H
5.248500	55.22	Pk	34.4	-95.2	-47.55	-53.13	-13	-40.13	V
6.979000	54.70	Pk	35.8	-95.2	-46.00	-50.70	-13	-37.70	H
6.966000	54.27	Pk	35.8	-95.2	-46.10	-51.23	-13	-38.23	V
High Channel, 1757.5MHz									
3.528000	55.34	Pk	32.9	-95.2	-46.50	-53.46	-13	-40.46	H
3.525500	55.45	Pk	32.9	-95.2	-46.50	-53.35	-13	-40.35	V
5.275500	55.58	Pk	34.5	-95.2	-47.60	-52.72	-13	-39.72	H
5.288500	55.26	Pk	34.5	-95.2	-47.60	-53.04	-13	-40.04	V
7.048000	53.72	Pk	35.9	-95.2	-45.30	-50.88	-13	-37.88	H
7.045000	53.61	Pk	35.8	-95.2	-45.50	-51.29	-13	-38.29	V

5G NR n66 (BPSK 45.0MHZ BANDWIDTH, ANT 3)

Project #:	15941282
Date:	2025-09-15
Test Engineer:	32934
Configuration:	EUT Only
Mode	5G NR n66 BPSK 45MHz
Chamber #:	03-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 1732.5MHz									
3.472500	54.66	Pk	32.9	-95.2	-46.70	-54.34	-13	-41.34	H
3.475500	55.44	Pk	32.9	-95.2	-46.80	-53.66	-13	-40.66	V
5.172500	55.94	Pk	34.2	-95.2	-47.80	-52.86	-13	-39.86	H
5.176500	55.13	Pk	34.3	-95.2	-47.75	-53.52	-13	-40.52	V
6.927500	53.86	Pk	35.8	-95.2	-46.10	-51.64	-13	-38.64	H
6.947500	53.66	Pk	35.8	-95.2	-46.20	-51.94	-13	-38.94	V
Mid Channel, 1745MHz									
3.506500	55.01	Pk	32.9	-95.2	-46.60	-53.89	-13	-40.89	H
3.477500	54.62	Pk	32.9	-95.2	-46.65	-54.33	-13	-41.33	V
5.232000	55.74	Pk	34.4	-95.2	-47.60	-52.66	-13	-39.66	H
5.194000	55.77	Pk	34.3	-95.2	-47.40	-52.53	-13	-39.53	V
6.976500	54.20	Pk	35.8	-95.2	-46.10	-51.30	-13	-38.30	H
7.019000	54.27	Pk	35.8	-95.2	-45.80	-50.93	-13	-37.93	V
High Channel, 1757.5MHz									
3.512500	54.34	Pk	32.9	-95.2	-46.50	-54.46	-13	-41.46	H
3.479500	54.59	Pk	32.9	-95.2	-46.60	-54.31	-13	-41.31	V
5.284000	55.67	Pk	34.5	-95.2	-47.50	-52.53	-13	-39.53	H
3.479500	54.59	Pk	32.9	-95.2	-46.60	-54.31	-13	-41.31	V
7.047000	53.22	Pk	35.9	-95.2	-45.40	-51.48	-13	-38.48	H
7.051500	53.84	Pk	35.9	-95.2	-45.30	-50.76	-13	-37.76	V

5G NR n66 (BPSK 45.0MHZ BANDWIDTH, ANT 4)

Project #:	15941282
Date:	2025-09-18
Test Engineer:	32703
Configuration:	EUT Only
Mode	5G NR n66 BPSK 45MHz
Chamber #:	03-RDE-C

Frequency (GHz)	Meter Reading (dBuV)	Det	84797 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 1732.5MHz									
3.376000	52.67	Pk	32.8	-95.2	-45.55	-55.28	-13	-42.28	H
3.376000	51.55	Pk	32.8	-95.2	-45.55	-56.40	-13	-43.40	V
5.062500	53.94	Pk	34.4	-95.2	-46.77	-53.63	-13	-40.63	H
5.062500	52.50	Pk	34.4	-95.2	-46.77	-55.07	-13	-42.07	V
6.750500	51.30	Pk	35.6	-95.2	-45.06	-53.36	-13	-40.36	H
6.750500	51.15	Pk	35.6	-95.2	-45.06	-53.51	-13	-40.51	V
Mid Channel, 1745MHz									
3.446000	51.48	Pk	32.9	-95.2	-45.56	-56.38	-13	-43.38	H
3.446000	51.61	Pk	32.9	-95.2	-45.56	-56.25	-13	-43.25	V
5.167500	53.48	Pk	34.4	-95.2	-46.86	-54.18	-13	-41.18	H
5.167500	52.91	Pk	34.4	-95.2	-46.86	-54.75	-13	-41.75	V
6.890500	51.41	Pk	35.6	-95.2	-45.37	-53.56	-13	-40.56	H
6.890500	50.74	Pk	35.6	-95.2	-45.37	-54.23	-13	-41.23	V
High Channel, 1757.5MHz									
3.515500	52.65	Pk	32.9	-95.2	-45.74	-55.39	-13	-42.39	H
3.515500	53.05	Pk	32.9	-95.2	-45.74	-54.99	-13	-41.99	V
5.272500	52.66	Pk	34.4	-95.2	-46.21	-54.35	-13	-41.35	H
5.272500	52.49	Pk	34.4	-95.2	-46.21	-54.52	-13	-41.52	V
7.031000	51.50	Pk	35.6	-95.2	-45.35	-53.45	-13	-40.45	H
7.031000	52.29	Pk	35.6	-95.2	-45.35	-52.66	-13	-39.66	V

11. SETUP PHOTOS

Refer to 15941282-EP1 for setup photos.

END OF REPORT