

TEST REPORT

Report Number: 15982152-E31V1

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

Model : A3472

Brand : APPLE

FCC ID : BCG-E9186A

EUT Description : SMARTPHONE

Test Standard(s) : FCC 47 CFR PART 2, PART 27

Date Of Issue:
2026-07-08

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



Revision History

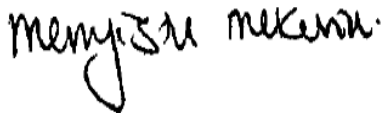
Rev.	Issue Date	Revisions	Revised By
V1	2026-06-25	Initial Review	--

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	14
6.4. MAXIMUM ANTENNA GAIN AND MAXIMUM ALLOWED OUTPUT POWER	14
6.5. WORST-CASE CONFIGURATION AND MODE	15
6.6. DESCRIPTION OF TEST SETUP.....	16
7. TEST AND MEASUREMENT EQUIPMENT	18
8. RF OUTPUT POWER MEASUREMENTS	19
8.1. 5G NR n77 (FCC Part 27 3450-3550MHz, SISO).....	20
8.2. 5G NR n77 (FCC Part 27 3450-3550MHz, MIMO).....	26
8.3. 5G NR n77 (FCC Part 27 3700-3980MHz, SISO).....	32
8.4. 5G NR n77 (FCC Part 27 3700-3980MHz, MIMO).....	38
9. CONDUCTED TEST RESULTS.....	44
9.1. OCCUPIED BANDWIDTH.....	44
9.1.1. 5G NR n77 (FCC Part 27 3450-3550MHz)	47
9.1.2. 5G NR n77 (FCC Part 27 3700-3980MHz)	50
9.2. EMISSION MASK AND ADJACENT CHANNEL POWER	53
9.2.1. 5G NR n77 (FCC Part 27 3450-3550MHz, SISO).....	55
9.2.2. 5G NR n77 (FCC Part 27 3450-3550MHz, MIMO)	72
9.2.3. 5G NR n77 (FCC Part 27 3700-3980MHz, SISO).....	95

9.2.4.	5G NR n77 (FCC Part 27 3700-3980MHz, MIMO)	113
9.3.	OUT OF BAND EMISSIONS.....	137
9.3.1.	5G NR n77 (FCC Part 27 3450-3550MHz, SISO).....	138
9.3.2.	5G NR n77 (FCC Part 27 3450-3550MHz, MIMO)	138
9.3.3.	5G NR n77 (FCC Part 27 3700-3980MHz, SISO).....	139
9.3.4.	5G NR n77 (FCC Part 27 3700-3980MHz, MIMO)	140
9.4.	FREQUENCY STABILITY	141
9.4.1.	5G NR n77 (BPSK 100MHz BANDWIDTH, FCC Part 27 3450-3550MHz).....	142
9.4.2.	5G NR n77 (BPSK 100MHz BANDWIDTH, FCC Part 27 3700-3980MHz).....	142
9.5.	PEAK-TO-AVERAGE POWER RATIO	143
9.5.1.	5G NR n77 (FCC Part 27 3450-3550MHz)	144
9.5.2.	5G NR n77 (FCC Part 27 3700-3980MHz)	145
10.	RADIATED TEST RESULTS	146
10.1.	FIELD STRENGTH OF SPURIOUS RADIATION, ABOVE 1GHz.....	150
10.1.1.	5G NR n77 (FCC Part 27 3450-3550MHz, SISO).....	151
10.1.2.	5G NR n77 (FCC Part 27 3450-3550MHz, MIMO).....	152
10.1.3.	5G NR n77 (FCC Part 27 3700-3980MHz, SISO).....	153
10.1.4.	5G NR n77 (FCC Part 27 3700-3980MHz, MIMO).....	155
11.	SETUP PHOTOS.....	158

1. ATTESTATION OF TEST RESULTS

Applicant Name and Address	APPLE, INC 1 APPLE PARK WAY CUPERTINO, CA 95014, U.S.A.	
Model	A3472	
Brand	APPLE	
FCC ID	BCG-E9186A	
EUT Description	SMARTPHONE	
Serial Number	RADIATED: KQF475QLT0, K045T9RVFK CONDUCTED: C07HT10009N0001B9T, C07HT10009D0001B9T, C07HT1000840001B9T	
Sample Receipt Date	2025-12-12	
Date Tested	2025-12-12 to 2026-06-08	
Applicable Standards	FCC 47 CFR PART 2, PART 27	
Test Results	COMPLIES	
UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document.		
Approved & Released By:	Reviewed By:	Prepared By:
		 
Mengistu Mekuria Staff Engineer UL Verification Services Inc.	Eric Ting Senior Test Engineer UL Verification Services Inc.	Carlos Caudana Ryan Betts Laboratory Engineer / Laboratory Engineer UL Verification Services Inc.

2. SUMMARY OF TEST RESULTS

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

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

1. Antenna gain and type (see section 6.4)

Requirement Description	Requirement Clause Number (FCC)	Result	Remarks
Equivalent Isotropic Radiated Power	27.50(k) (3), (j) (3)	Complies	
Occupied Bandwidth	2.1049	Complies	
Band Edge and Emission Mask	2.1051, 27.53(n), 27.53(l)	Complies	
Out of Band Emissions	2.1051, 27.53(n), 27.53(l)	Complies	
Frequency Stability	2.1055, 27.54	Complies	
Peak-to-Average Ratio	27.50(k) (4), 27.50(j) (4)	Complies	
Field Strength of Spurious Radiation	2.1051, 27.53(n), 27.53(l)	Complies	

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

- 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
- [FCC KDB 971168 D02](#): Misc Rev Approv License Devices
- [FCC KDB 412172 D01](#) : Determining ERP and EIRP
- [FCC KDB 662911 D01](#): Multiple Transmitter Output

4. FACILITIES AND ACCREDITATION

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

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

5. DECISION RULES AND MEASUREMENT UNCERTAINTY

5.1. METROLOGICAL TRACEABILITY

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

5.2. DECISION RULES

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

5.3. MEASUREMENT UNCERTAINTY

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

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

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

5.4. SAMPLE CALCULATION

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:

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

6. EQUIPMENT UNDER TEST

6.1. DESCRIPTION OF EUT

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

6.2. MAXIMUM OUTPUT POWER

EIRP/ERP TEST PROCEDURE

ANSI C63.26:2015
KDB 971168 D01 Section 5.6

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

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

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

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

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

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

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

5G NR n77 (FCC Part 27 3450-3550MHz, SISO)

Part 27									
EIRP Limit (W)		1.00							
Antenna Gain (dBi)		-2.50							
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
10.0	BPSK	3455.0	3545.0	29.00	26.50	0.447	8.658	8658	8M66G7W
	QPSK			28.96	26.46	0.443	8.610	8610	8M61G7W
	16QAM			28.23	25.73	0.374	8.682	8682	8M68D7W
15.0	BPSK	3457.5	3542.5	29.00	26.50	0.447	12.945	12945	12M9G7W
	QPSK			28.97	26.47	0.444	12.926	12926	12M9G7W
	16QAM			28.25	25.75	0.376	12.946	12946	12M9D7W
20.0	BPSK	3460.0	3540.0	29.00	26.50	0.447	17.950	17950	18M0G7W
	QPSK			28.99	26.49	0.446	17.931	17931	17M9G7W
	16QAM			28.17	25.67	0.369	17.974	17974	18M0D7W
25.0	BPSK	3462.5	3537.5	29.00	26.50	0.447	22.953	22953	23M0G7W
	QPSK			28.98	26.48	0.445	22.950	22950	23M0G7W
	16QAM			28.22	25.72	0.373	23.021	23021	23M0D7W
30.0	BPSK	3465.0	3535.0	29.00	26.50	0.447	26.926	26926	26M9G7W
	QPSK			28.96	26.46	0.443	26.921	26921	26M9G7W
	16QAM			28.23	25.73	0.374	26.995	26995	27M0D7W
40.0	BPSK	3470.0	3530.0	29.00	26.50	0.447	35.897	35897	35M9G7W
	QPSK			28.96	26.46	0.443	35.859	35859	35M9G7W
	16QAM			28.16	25.66	0.368	35.904	35904	35M9D7W
50.0	BPSK	3475.0	3525.0	29.00	26.50	0.447	45.889	45889	45M9G7W
	QPSK			28.97	26.47	0.444	45.795	45795	45M8G7W
	16QAM			28.14	25.64	0.366	45.953	45953	46M0D7W
60.0	BPSK	3480.0	3520.0	29.00	26.50	0.447	58.131	58131	58M1G7W
	QPSK			28.98	26.48	0.445	57.928	57928	57M9G7W
	16QAM			28.17	25.67	0.369	58.129	58129	58M1D7W
70.0	BPSK	3485.0	3515.0	28.98	26.48	0.445	64.707	64707	64M7G7W
	QPSK			28.97	26.47	0.444	64.435	64435	64M4G7W
	16QAM			28.24	25.74	0.375	64.679	64679	64M7D7W
80.0	BPSK	3490.0	3510.0	28.94	26.44	0.441	77.532	77532	77M5G7W
	QPSK			28.91	26.41	0.438	77.443	77443	77M4G7W
	16QAM			28.06	25.56	0.360	77.548	77548	77M5D7W
90.0	BPSK	3495.0	3505.0	28.93	26.43	0.440	87.085	87085	87M1G7W
	QPSK			28.87	26.37	0.434	87.046	87046	87M0G7W
	16QAM			28.22	25.72	0.373	87.165	87165	87M2D7W
100.0	BPSK	3500.0	3500.0	28.87	26.37	0.434	96.755	96755	96M8G7W
	QPSK			28.82	26.32	0.429	96.763	96763	96M8G7W
	16QAM			28.17	25.67	0.369	96.823	96823	96M8D7W

5G NR n77 (FCC Part 27 3450-3550MHz, MIMO)

Part 27									
EIRP Limit (W)		1.00							
Antenna Gain (dBi)		-4.80							
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
10.0	BPSK	3455.0	3545.0	32.00	27.20	0.525	8.658	8658	8M66G7W
	QPSK			31.75	26.95	0.495	8.610	8610	8M61G7W
	16QAM			31.30	26.50	0.447	8.682	8682	8M68D7W
15.0	BPSK	3457.5	3542.5	31.87	27.07	0.509	12.945	12945	12M9G7W
	QPSK			31.76	26.96	0.497	12.926	12926	12M9G7W
	16QAM			31.25	26.45	0.442	12.946	12946	12M9D7W
20.0	BPSK	3460.0	3540.0	31.93	27.13	0.516	17.950	17950	18M0G7W
	QPSK			31.77	26.97	0.498	17.931	17931	17M9G7W
	16QAM			31.24	26.44	0.441	17.974	17974	18M0D7W
25.0	BPSK	3462.5	3537.5	31.95	27.15	0.519	22.953	22953	23M0G7W
	QPSK			31.76	26.96	0.497	22.950	22950	23M0G7W
	16QAM			31.24	26.44	0.441	23.021	23021	23M9D7W
30.0	BPSK	3465.0	3535.0	31.97	27.17	0.521	26.926	26926	26M9G7W
	QPSK			31.79	26.99	0.500	26.921	26921	26M9G7W
	16QAM			31.25	26.45	0.442	26.995	26995	27M0D7W
40.0	BPSK	3470.0	3530.0	31.81	27.01	0.502	35.897	35897	35M9G7W
	QPSK			31.80	27.00	0.501	35.859	35859	35M9G7W
	16QAM			31.30	26.50	0.447	35.904	35904	35M9D7W
50.0	BPSK	3475.0	3525.0	31.74	26.94	0.494	45.889	45889	45M9G7W
	QPSK			31.81	27.01	0.502	45.795	45795	45M8G7W
	16QAM			31.28	26.48	0.445	45.953	45953	46M0D7W
60.0	BPSK	3480.0	3520.0	31.87	27.07	0.509	58.131	58131	58M1G7W
	QPSK			31.92	27.12	0.515	57.928	57928	57M9G7W
	16QAM			31.24	26.44	0.441	58.129	58129	58M1D7W
70.0	BPSK	3485.0	3515.0	31.77	26.97	0.498	64.707	64707	64M7G7W
	QPSK			31.73	26.93	0.493	64.435	64435	64M4G7W
	16QAM			31.27	26.47	0.444	64.679	64679	64M7D7W
80.0	BPSK	3490.0	3510.0	31.86	27.06	0.508	77.532	77532	77M5G7W
	QPSK			31.92	27.12	0.515	77.443	77443	77M4G7W
	16QAM			31.19	26.39	0.436	77.548	77548	77M5D7W
90.0	BPSK	3495.0	3505.0	31.83	27.03	0.505	87.085	87085	87M1G7W
	QPSK			31.92	27.12	0.515	87.046	87046	87M0G7W
	16QAM			31.21	26.41	0.438	87.165	87165	87M2D7W
100.0	BPSK	3500.0	3500.0	31.80	27.00	0.501	96.755	96755	96M8G7W
	QPSK			31.88	27.08	0.511	96.763	96763	96M8G7W
	16QAM			31.15	26.35	0.432	96.823	96823	96M8D7W

5G NR n77 (FCC Part 27 3700-3980MHz, SISO)

Part 27									
EIRP Limit (W)		1.00							
Antenna Gain (dBi)		-2.50							
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
10.0	BPSK	3705.0	3975.0	28.87	26.37	0.434	8.638	8638	8M64G7W
	QPSK			28.91	26.41	0.438	8.592	8592	8M59G7W
	16QAM			28.12	25.62	0.365	8.620	8620	8M62D7W
15.0	BPSK	3707.5	3972.5	28.80	26.30	0.427	12.940	12940	12M9G7W
	QPSK			28.92	26.42	0.439	12.914	12914	12M9G7W
	16QAM			28.22	25.72	0.373	12.943	12943	12M9D7W
20.0	BPSK	3710.0	3970.0	28.64	26.14	0.411	17.952	17952	18M0G7W
	QPSK			28.82	26.32	0.429	17.947	17947	17M9G7W
	16QAM			28.24	25.74	0.375	17.952	17952	18M0D7W
25.0	BPSK	3712.5	3967.5	28.70	26.20	0.417	22.994	22994	23M0G7W
	QPSK			28.70	26.20	0.417	22.971	22971	23M0G7W
	16QAM			28.17	25.67	0.369	22.980	22980	23M0D7W
30.0	BPSK	3715.0	3965.0	28.77	26.27	0.424	26.922	26922	26M9G7W
	QPSK			28.71	26.21	0.418	26.931	26931	26M9G7W
	16QAM			28.18	25.68	0.370	26.997	26997	27M0D7W
40.0	BPSK	3720.0	3960.0	28.70	26.20	0.417	35.833	35833	35M8G7W
	QPSK			28.83	26.33	0.430	35.795	35795	35M8G7W
	16QAM			28.21	25.71	0.372	35.887	35887	35M9D7W
50.0	BPSK	3725.0	3955.0	28.64	26.14	0.411	45.772	45772	45M8G7W
	QPSK			28.79	26.29	0.426	45.766	45766	45M8G7W
	16QAM			28.17	25.67	0.369	45.974	45974	46M0D7W
60.0	BPSK	3730.0	3950.0	28.71	26.21	0.418	57.974	57974	58M0G7W
	QPSK			28.73	26.23	0.420	57.935	57935	57M9G7W
	16QAM			28.21	25.71	0.372	58.052	58052	58M1D7W
70.0	BPSK	3735.0	3945.0	28.75	26.25	0.422	64.584	64584	64M6G7W
	QPSK			28.72	26.22	0.419	64.343	64343	64M3G7W
	16QAM			28.20	25.70	0.372	64.538	64538	64M5D7W
80.0	BPSK	3740.0	3940.0	28.86	26.36	0.433	77.366	77366	77M4G7W
	QPSK			28.92	26.42	0.439	77.130	77130	77M1G7W
	16QAM			28.07	25.57	0.361	77.544	77544	77M5D7W
90.0	BPSK	3745.0	3935.0	28.94	26.44	0.441	86.925	86925	86M9G7W
	QPSK			28.95	26.45	0.442	86.756	86756	86M8G7W
	16QAM			28.09	25.59	0.362	86.921	86921	86M9D7W
100.0	BPSK	3750.0	3930.0	28.77	26.27	0.424	96.677	96677	96M7G7W
	QPSK			28.81	26.31	0.428	96.355	96355	96M4G7W
	16QAM			28.16	25.66	0.368	96.730	96730	96M7D7W

5G NR n77 (FCC Part 27 3700-3980MHz, MIMO)

Part 27									
EIRP Limit (W)		1.00							
Antenna Gain (dBi)		-4.80							
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
10.0	BPSK	3705.0	3975.0	32.00	27.20	0.525	8.638	8638	8M64G7W
	QPSK			31.79	26.99	0.500	8.592	8592	8M59G7W
	16QAM			31.23	26.43	0.440	8.620	8620	8M62D7W
15.0	BPSK	3707.5	3972.5	32.00	27.20	0.525	12.940	12940	12M9G7W
	QPSK			31.86	27.06	0.508	12.914	12914	12M9G7W
	16QAM			31.22	26.42	0.439	12.943	12943	12M9D7W
20.0	BPSK	3710.0	3970.0	32.00	27.20	0.525	17.952	17952	18M0G7W
	QPSK			31.82	27.02	0.504	17.947	17947	17M9G7W
	16QAM			31.30	26.50	0.447	17.952	17952	18M0D7W
25.0	BPSK	3712.5	3967.5	32.00	27.20	0.525	22.994	22994	23M0G7W
	QPSK			31.71	26.91	0.491	22.971	22971	23M0G7W
	16QAM			31.22	26.42	0.439	22.980	22980	23M0D7W
30.0	BPSK	3715.0	3965.0	32.00	27.20	0.525	26.922	26922	26M9G7W
	QPSK			31.93	27.13	0.516	26.931	26931	26M9G7W
	16QAM			31.21	26.41	0.438	26.997	26997	27M0D7W
40.0	BPSK	3720.0	3960.0	32.00	27.20	0.525	35.833	35833	35M8G7W
	QPSK			31.79	26.99	0.500	35.795	35795	35M8G7W
	16QAM			31.20	26.40	0.437	35.887	35887	35M9D7W
50.0	BPSK	3725.0	3955.0	32.00	27.20	0.525	45.772	45772	45M8G7W
	QPSK			31.77	26.97	0.498	45.766	45766	45M8G7W
	16QAM			31.27	26.47	0.444	45.974	45974	46M0D7W
60.0	BPSK	3730.0	3950.0	32.00	27.20	0.525	57.974	57974	58M0G7W
	QPSK			31.80	27.00	0.501	57.935	57935	57M9G7W
	16QAM			31.24	26.44	0.441	58.052	58052	58M1D7W
70.0	BPSK	3735.0	3945.0	32.00	27.20	0.525	64.584	64584	64M6G7W
	QPSK			31.86	27.06	0.508	64.343	64343	64M3G7W
	16QAM			31.26	26.46	0.443	64.538	64538	64M5D7W
80.0	BPSK	3740.0	3940.0	32.00	27.20	0.525	77.366	77366	77M4G7W
	QPSK			31.96	27.16	0.520	77.130	77130	77M1G7W
	16QAM			31.31	26.51	0.448	77.544	77544	77M5D7W
90.0	BPSK	3745.0	3935.0	32.00	27.20	0.525	86.925	86925	86M9G7W
	QPSK			31.73	26.93	0.493	86.756	86756	86M8G7W
	16QAM			31.25	26.45	0.442	86.921	86921	86M9D7W
100.0	BPSK	3750.0	3930.0	32.00	27.20	0.525	96.677	96677	96M7G7W
	QPSK			31.83	27.03	0.505	96.355	96355	96M4G7W
	16QAM			31.26	26.46	0.443	96.730	96730	96M7D7W

6.3. SOFTWARE AND FIRMWARE

The EUT firmware installed during testing was version 24A343.

6.4. MAXIMUM ANTENNA GAIN AND MAXIMUM ALLOWED OUTPUT POWER

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

SISO MODE

Bands	Frequency Range (MHz)	Antenna	Gain (dBi)	Max Allowed Conducted Output Power (dBm)	EIRP (dBm)
5G NR n77	3450 – 3550	ANT7	-4.90	29.00	24.10
		ANT4	-1.80	28.00	26.20
		ANT9	-2.60	29.00	26.40
		ANT8	-2.50	29.00	26.50
5G NR n77	3700 – 3980	ANT7	-4.90	29.00	24.10
		ANT4	-1.80	28.00	26.20
		ANT9	-2.60	29.00	26.40
		ANT8	-2.50	29.00	26.50

MIMO MODE

Bands	Frequency Range (MHz)	Antenna	Gain (dBi)	Max Allowed Combined Conducted Output Power (dBm)	EIRP (dBm)
5G NR n77	3450 – 3550	ANT 7+4	-4.50	31.00	26.50
		ANT 7+8	-4.90	32.00	27.10
		ANT 7+9	-4.50	30.50	26.00
		ANT 9+4	-3.90	31.00	27.10
		ANT 9+8	-4.80	32.00	27.20
		ANT 8+4	-3.50	30.30	26.80
5G NR n77	3700 – 3980	ANT 7+4	-4.50	31.00	26.50
		ANT 7+8	-4.90	32.00	27.10
		ANT 7+9	-4.50	30.50	26.00
		ANT 9+4	-3.90	31.00	27.10
		ANT 9+8	-4.80	32.00	27.20
		ANT 8+4	-3.50	30.30	26.80

6.5. WORST-CASE CONFIGURATION AND MODE

This report covers the following technologies:

- 5G NR n77

5G NR n77, SISO data were used for OBW, PAR and FS because these measurements are independent of the number of antennas used simultaneously.

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, BPSK were observed as the worst mode to 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 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.

5G NR Bands	Worst case Antenna Port
5G NR n77 (SISO)	Ant 7
5G NR n77 (MIMO)	Ant 7 + 8 (Port A + Port D)

The EUT was investigated in three orthogonal orientations X/Y/Z on all available SISO and MIMO antennas combinations 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	ANT7	ANT4	ANT9	ANT8	ANT7+4	ANT7+8	ANT7+9	ANT9+4	ANT9+8	ANT8+4
3300 – 3980 MHz	Y	X	X	X	X	X	X	X	X	Y

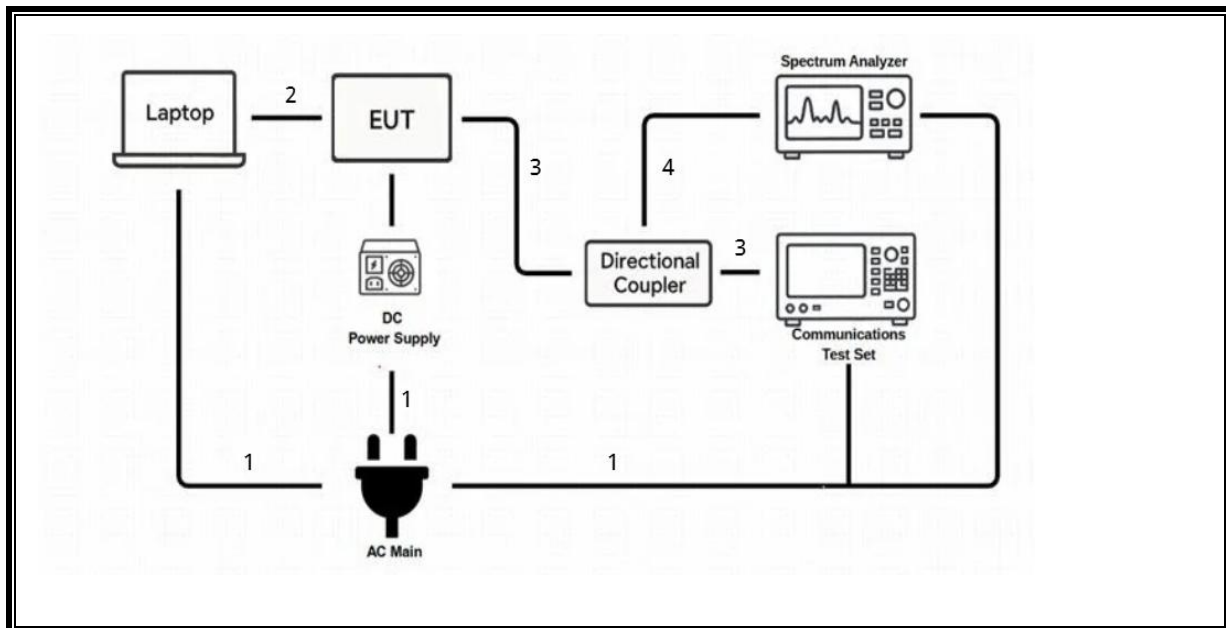
Radiated spurious emissions were investigated from 9kHz to 30MHz, 30MHz-1GHz and above 1GHz. There were no emissions found with less than 20dB of margin from 9kHz to 30MHz, 30MHz-1GHz and above 18GHz.

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

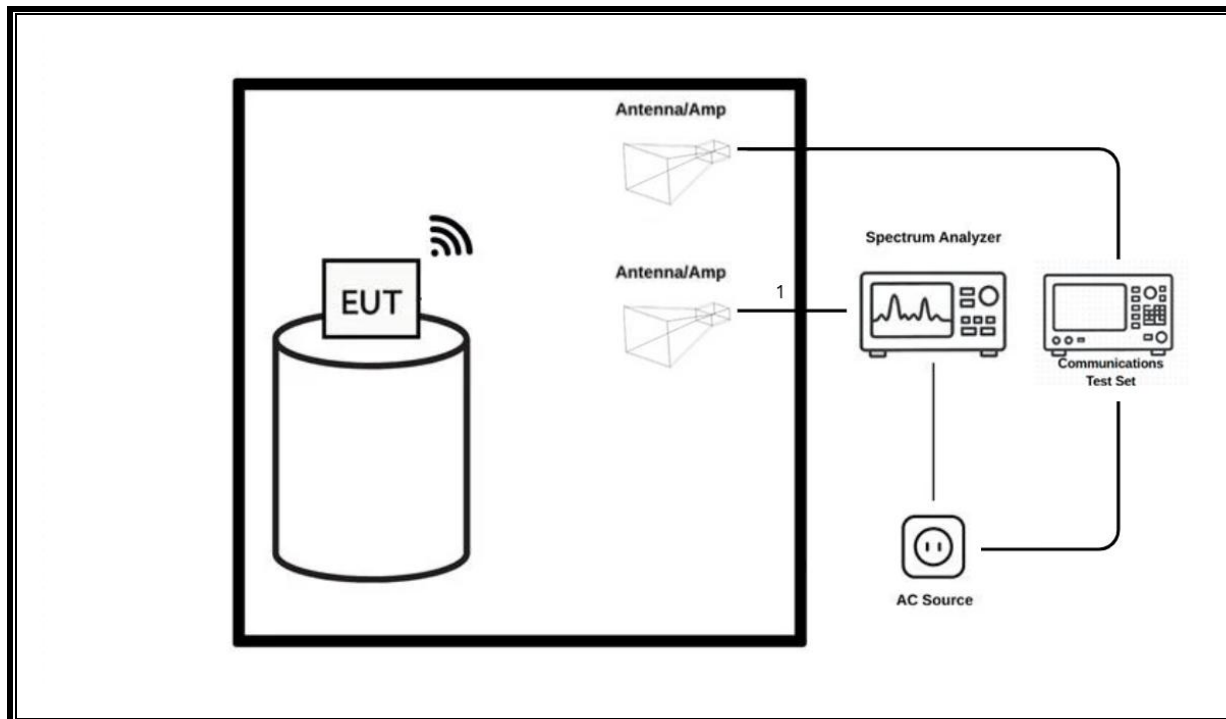
6.6. DESCRIPTION OF TEST SETUP

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 SETUP



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	222796	2027-03-03
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	169933	2027-02-28
Antenna, Horn 1-18GHz	ETS Lindgren	3117	80402	2027-07-31
RF Filter Box, 1-18GHz, 12 Port	UL-FR1	Frankenstein	231874	2027-01-31
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	170063	2027-02-27
RF Filter Box, 1-18GHz, 12 Port	UL-FR1	Frankenstein	231875	2026-12-31
Antenna, Horn 1-18GHz	ETS Lindgren	3117	223084	2026-12-31
Antenna, Broadband Hybrid, 30MHz to 3GHz	Sunol Sciences Corp.	JB3	174374	2027-06-30
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	199659	2028-05-31
*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	199661	2028-05-31
*Link File, RF Amplifier Assembly, 26.5-40GHz, 65dB Gain	Amplical	AMP26G40-65	220193	2026-04-30
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	169937	2027-05-31
Antenna, Horn 1-18GHz	ETS Lindgren	84797	80402	2026-10-31
RF Filter Box, 1-18GHz, 17 Port	UL-FR1	RATS 2	225079	2027-05-31
RF Filter Box, 1-18GHz, 12 Port	UL-FR1	Frankenstein	230878	2028-05-31
Antenna, Horn 1-18GHz	ETS Lindgren	84797	200897	2027-03-18
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	169935	2027-05-31
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	272589	2026-10-03
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	231739	2027-01-31
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	276680	2027-01-31
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	272595	2026-11-30
Wideband Communication Call Box	Rohde & Schwarz	CMW500	230298	2027-02-28
Wideband Communication Call Box	Rohde & Schwarz	CMW500	230295	2027-02-28
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	245778	2026-10-31
Conducted Switch Box	N/A	CSB	262354	2026-10-31
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
*Chamber, Environmental	Cincinnati Sub Zero	ZPHS-8-3.5-SCT/WC	89097	2026-05-31
UL AUTOMATION SOFTWARE				
Conducted Software	UL	Antenna Port	Ver.2022.8.16	
Conducted Software	UL	Station Tool	Ver. 12.2, 2.0, 5.0	
Radiated Software	UL	UL EMC	Ver 9.5, May 1, 2023	

NOTES:

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

In band power measurements for MIMO modes are made by summing the channel power for the individual chains to calculate the total power following the measure and sum method E)1) from KDB 662911 D01.

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. 5G NR n77 (FCC Part 27 3450-3550MHz, SISO)

Test Engineer ID:	32894	Test Date:	2025-12-23
-------------------	-------	------------	------------

OUTPUT POWER FOR 5G NR n77 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				630333	633332	636333	630333	633332	636333	630333	633332	636333	630333	633332	636333
10.0	BPSK	1	0	25.07	25.19	25.06	24.18	24.15	24.07	25.16	25.20	25.02	25.24	25.03	25.02
		1	1	28.68	28.61	28.59	27.60	27.67	27.57	28.52	28.61	28.33	28.60	28.69	28.57
		1	22	28.54	28.54	28.56	27.65	27.60	27.53	28.73	28.73	28.73	28.70	28.59	28.52
		1	23	25.14	25.22	25.09	24.21	24.24	24.17	25.07	25.23	25.06	25.21	25.02	25.21
		12	6	29.00	29.00	29.00	28.00	28.00	28.00	29.00	29.00	28.63	29.00	29.00	28.91
		24	0	28.63	28.68	28.54	27.65	27.60	27.57	28.58	28.53	28.53	28.54	28.69	28.68
	QPSK	1	0	25.17	25.14	25.17	24.25	24.22	24.14	25.11	25.24	25.11	25.17	25.11	25.11
		1	1	28.56	28.57	28.68	27.58	27.62	27.52	28.62	28.57	28.55	28.62	28.64	28.65
		1	22	28.55	28.67	28.53	27.74	27.60	27.62	28.63	28.69	28.72	28.62	28.61	28.58
		1	23	25.14	25.18	25.12	24.25	24.13	24.02	25.15	25.05	25.18	25.18	25.09	25.17
		12	6	28.98	28.95	28.95	27.97	27.98	27.96	28.99	28.98	28.67	28.96	28.96	28.88
		24	0	28.24	28.21	28.12	27.09	27.23	27.24	28.11	28.17	28.14	28.19	28.12	28.13
	16QAM	1	0	25.11	25.13	25.06	24.16	24.15	24.11	25.21	25.09	25.16	25.13	25.04	25.05
		1	1	27.59	27.64	27.57	26.68	26.61	26.65	27.64	27.69	27.74	27.64	27.69	27.60
		1	22	27.57	27.74	27.53	26.54	26.56	26.54	27.58	27.65	27.53	27.73	27.63	27.66
		1	23	25.07	25.15	25.11	24.18	24.21	24.10	25.03	25.06	25.24	25.21	25.06	25.07
		12	6	28.23	28.08	28.02	27.21	27.09	27.04	28.18	28.12	28.11	28.10	28.15	28.23
		24	0	27.22	27.21	27.23	26.03	26.21	26.21	27.15	27.17	27.21	27.19	27.13	27.18
	64QAM	1	0	25.04	25.25	25.19	24.13	24.22	24.06	25.18	25.22	25.12	25.07	25.21	25.03
		1	1	26.15	26.06	26.16	25.14	25.09	25.05	26.10	26.08	26.18	26.15	26.12	26.11
		1	22	26.04	26.03	26.10	25.25	25.19	25.11	26.20	26.05	26.21	26.06	26.15	26.16
		1	23	25.24	25.01	25.13	24.04	24.11	24.07	25.15	25.20	25.13	25.05	25.03	25.16
		12	6	26.74	26.52	26.63	25.62	25.69	25.55	26.68	26.52	26.73	26.71	26.53	26.69
		24	0	26.73	26.55	26.66	25.56	25.67	25.51	26.57	26.53	26.73	26.71	26.58	26.62
	256QAM	1	0	24.07	24.25	24.09	23.15	23.12	23.04	24.02	24.06	24.03	24.25	24.05	24.15
		1	1	24.08	24.18	24.22	23.02	23.23	23.12	24.14	24.16	24.13	24.05	24.15	24.11
		1	22	24.09	24.07	24.10	23.23	23.09	23.21	24.03	24.07	24.19	24.09	24.17	24.01
		1	23	24.19	24.20	24.12	23.07	23.16	23.09	24.17	24.17	24.04	24.19	24.09	24.05
		12	6	24.54	24.51	24.56	23.74	23.60	23.65	24.57	24.73	24.53	24.60	24.56	24.52
		24	0	24.62	24.57	24.57	23.58	23.54	23.74	24.69	24.71	24.73	24.61	24.59	24.54

OUTPUT POWER FOR 5G NR n77 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				630500	633332	636166	630500	633332	636166	630500	633332	636166	630500	633332	636166
15.0	BPSK	1	0	25.20	25.15	25.20	24.18	24.13	24.11	25.18	25.04	25.18	25.18	25.13	25.09
		1	1	28.64	28.63	28.59	27.51	27.55	27.64	28.55	28.55	28.28	28.74	28.54	28.62
		1	36	28.73	28.73	28.69	27.54	27.56	27.62	28.62	28.63	28.71	28.73	28.68	28.71
		1	37	25.05	25.24	25.16	24.16	24.23	24.14	25.21	25.24	25.24	25.21	25.15	25.25
		18	9	29.00	29.00	29.00	28.00	28.00	28.00	29.00	29.00	28.39	28.87	29.00	28.71
		36	0	28.67	28.67	28.62	27.60	27.70	27.66	28.63	28.60	28.56	28.67	28.70	28.57
	QPSK	1	0	25.21	25.25	25.19	24.17	24.03	24.24	25.10	25.07	25.24	25.09	25.05	25.12
		1	1	28.55	28.60	28.58	27.57	27.53	27.59	28.60	28.71	28.42	28.74	28.64	28.61
		1	36	28.53	28.54	28.54	27.55	27.56	27.55	28.60	28.60	28.70	28.64	28.66	28.73
		1	37	25.13	25.05	25.11	24.12	24.22	24.15	25.04	25.16	25.18	25.22	25.07	25.20
		18	9	28.98	28.97	28.97	27.98	27.95	27.96	28.96	28.96	28.53	28.95	28.97	28.72
		36	0	28.04	28.08	28.14	27.17	27.13	27.14	28.04	28.07	28.19	28.23	28.15	28.09
	16QAM	1	0	25.12	25.15	25.24	24.17	24.16	24.13	25.14	25.13	25.18	25.14	25.10	25.23
		1	1	27.70	27.63	27.59	26.57	26.54	26.63	27.51	27.57	27.64	27.65	27.61	27.52
		1	36	27.51	27.71	27.68	26.66	26.67	26.60	27.61	27.59	27.60	27.68	27.55	27.64
		1	37	25.18	25.08	25.06	24.15	24.08	24.06	25.13	25.24	25.10	25.13	25.18	25.22
		18	9	28.11	28.12	28.21	27.21	27.06	27.14	28.17	28.15	28.01	28.25	28.23	28.10
		36	0	27.13	27.02	27.01	26.04	26.06	26.07	27.22	27.03	27.03	27.17	27.05	27.02
	64QAM	1	0	25.20	25.04	25.02	24.24	24.12	24.09	25.13	25.20	25.08	25.14	25.12	25.18
		1	1	26.24	26.10	26.20	25.10	25.01	25.10	26.09	26.08	26.04	26.09	26.16	26.10
		1	36	26.02	26.03	26.07	25.16	25.19	25.15	26.03	26.04	26.17	26.17	26.10	26.08
		1	37	25.18	25.22	25.23	24.10	24.11	24.16	25.18	25.17	25.08	25.02	25.24	25.06
		18	9	26.55	26.60	26.66	25.53	25.65	25.52	26.55	26.52	26.53	26.57	26.62	26.61
		36	0	26.58	26.75	26.58	25.54	25.56	25.69	26.68	26.75	26.63	26.68	26.58	26.67
	256QAM	1	0	24.12	24.19	24.09	23.07	23.02	23.04	24.09	24.14	24.13	24.08	24.03	24.08
		1	1	24.03	24.18	24.06	23.06	23.16	23.09	24.24	24.07	24.08	24.11	24.03	24.02
		1	36	24.05	24.17	24.08	23.21	23.03	23.20	24.05	24.19	24.11	24.18	24.21	24.02
		1	37	24.10	24.22	24.22	23.12	23.15	23.11	24.02	24.10	24.10	24.25	24.13	24.06
		18	9	24.66	24.72	24.53	23.57	23.57	23.64	24.61	24.54	24.62	24.52	24.75	24.59
		36	0	24.58	24.69	24.60	23.64	23.57	23.54	24.67	24.52	24.62	24.67	24.57	24.71

OUTPUT POWER FOR 5G NR n77 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				630666	633332	635998	630666	633332	635998	630666	633332	635998	630666	633332	635998
20.0	BPSK	1	0	3460.0	3500.0	3540.0	3460.0	3500.0	3540.0	3460.0	3500.0	3540.0	3460.0	3500.0	3540.0
		1	1	25.02	25.06	25.19	24.11	24.22	24.12	25.09	25.07	25.12	25.19	25.11	25.21
		1	1	28.65	28.70	28.59	27.71	27.73	27.75	28.66	28.55	28.34	28.62	28.63	28.39
		1	49	28.71	28.55	28.62	27.67	27.61	27.71	28.65	28.61	28.61	28.14	28.63	28.71
		1	50	25.05	25.11	25.19	24.20	24.22	24.18	25.04	25.21	25.08	25.24	25.04	25.02
	QPSK	25	12	29.00	29.00	29.00	28.00	28.00	28.00	29.00	29.00	28.45	28.81	29.00	28.55
		50	0	28.61	28.63	28.71	27.62	27.69	27.59	28.51	28.58	28.47	28.57	28.51	28.56
		1	0	25.09	25.02	25.21	24.04	24.10	24.06	25.17	25.25	25.01	25.17	25.03	25.07
		1	1	28.70	28.56	28.75	27.60	27.71	27.54	28.64	28.52	28.46	28.60	28.71	28.47
		1	49	28.53	28.71	28.58	27.65	27.71	27.58	28.63	28.68	28.52	28.41	28.70	28.56
	16QAM	1	50	25.12	25.22	25.13	24.11	24.23	24.17	25.13	25.23	25.04	25.14	25.17	25.23
		25	12	28.98	28.97	28.99	27.97	27.95	27.96	28.99	28.96	28.39	28.86	28.99	28.61
		50	0	28.05	28.14	28.08	27.10	27.14	27.20	28.06	28.07	28.07	28.14	28.21	28.06
		1	0	25.06	25.24	25.22	24.16	24.14	24.07	25.08	25.19	25.17	25.18	25.16	25.15
		1	1	27.74	27.67	27.61	26.57	26.68	26.62	27.73	27.52	27.59	27.71	27.58	27.75
	64QAM	1	49	27.59	27.54	27.69	26.61	26.71	26.61	27.51	27.59	27.70	27.54	27.66	27.56
		1	50	25.03	25.06	25.05	24.23	24.08	24.21	25.07	25.24	25.03	25.15	25.21	25.25
		25	12	28.19	28.21	28.07	27.24	27.09	27.20	28.22	28.02	28.17	28.05	28.02	28.17
		50	0	27.10	27.04	27.22	26.08	26.14	26.19	27.03	27.12	27.11	27.08	27.09	27.21
		1	0	25.23	25.16	25.12	24.16	24.24	24.09	25.19	25.23	25.06	25.11	25.16	25.10
	256QAM	1	1	26.21	26.11	26.19	25.19	25.06	25.11	26.24	26.07	26.25	26.21	26.03	26.22
		1	49	26.06	26.05	26.15	25.22	25.07	25.16	26.24	26.22	26.12	26.04	26.24	26.04
		1	50	25.17	25.24	25.02	24.02	24.04	24.24	25.02	25.15	25.17	25.13	25.15	25.15
		25	12	26.70	26.74	26.63	25.74	25.69	25.72	26.56	26.51	26.74	26.70	26.55	26.53
		50	0	26.61	26.53	26.65	25.71	25.53	25.75	26.55	26.64	26.67	26.60	26.71	26.70
		1	0	24.06	24.01	24.05	23.12	23.07	23.08	24.15	24.20	24.04	24.24	24.24	24.20
		1	1	24.25	24.11	24.23	23.13	23.20	23.10	24.06	24.09	24.10	24.13	24.24	24.17
		1	49	24.08	24.16	24.06	23.05	23.08	23.05	24.16	24.15	24.25	24.15	24.14	24.06
		1	50	24.08	24.04	24.10	23.04	23.08	23.11	24.02	24.04	24.12	24.18	24.17	24.19
		25	12	24.72	24.61	24.65	23.75	23.59	23.59	24.59	24.63	24.74	24.54	24.59	24.68
		50	0	24.63	24.59	24.57	23.55	23.65	23.56	24.64	24.60	24.69	24.60	24.58	24.52

OUTPUT POWER FOR 5G NR n77 (25.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				630834	633332	635832	630834	633332	635832	630834	633332	635832	630834	633332	635832
25.0	BPSK	1	0	3462.5	3500.0	3537.5	3462.5	3500.0	3537.5	3462.5	3500.0	3537.5	3462.5	3500.0	3537.5
		1	1	25.16	25.13	25.13	24.02	24.05	24.06	25.14	25.09	25.03	25.08	25.19	25.15
		1	1	28.73	28.67	28.64	27.71	27.60	27.74	28.72	28.52	28.75	28.70	28.74	28.29
		1	63	28.63	28.64	28.72	27.51	27.61	27.66	28.43	28.58	28.73	28.41	28.70	28.61
		1	64	25.22	25.17	25.21	24.15	24.07	24.10	25.01	25.04	25.03	25.17	25.17	25.19
	QPSK	32	16	29.00	29.00	29.00	28.00	28.00	28.00	29.00	29.00	28.53	28.62	29.00	28.56
		64	0	28.56	28.63	28.73	27.59	27.54	27.52	28.66	28.67	28.67	28.63	28.60	28.56
		1	0	25.06	25.15	25.15	24.14	24.18	24.24	25.08	25.12	25.02	25.02	25.22	25.08
		1	1	28.68	28.54	28.58	27.73	27.51	27.71	28.55	28.51	28.54	28.53	28.56	28.46
		1	63	28.70	28.53	28.65	27.65	27.61	27.59	28.48	28.64	28.54	28.74	28.74	28.73
	16QAM	1	64	25.15	25.06	25.07	24.05	24.21	24.02	25.15	25.15	25.11	25.16	25.10	25.12
		32	16	28.95	28.95	28.96	27.99	27.96	27.97	28.97	28.96	28.52	28.76	28.98	28.70
		64	0	28.24	28.09	28.15	27.21	27.12	27.05	28.23	28.07	28.23	28.25	28.10	28.16
		1	0	25.19	25.17	25.13	24.13	24.25	24.24	25.22	25.18	25.05	25.02	25.04	25.10
		1	1	27.60	27.62	27.73	26.52	26.69	26.58	27.59	27.63	27.73	27.75	27.74	27.58
	64QAM	1	63	27.62	27.61	27.68	26.68	26.65	26.63	27.66	27.66	27.71	27.72	27.67	27.56
		1	64	25.15	25.17	25.14	24.18	24.13	24.07	25.25	25.23	25.19	25.06	25.13	25.13
		32	16	28.02	28.22	28.18	27.10	27.14	27.22	28.01	28.15	28.21	28.21	28.10	28.22
		64	0	27.09	27.11	27.19	26.12	26.11	26.04	27.14	27.09	27.11	27.18	27.06	27.06
		1	0	25.02	25.24	25.02	24.14	24.07	24.10	25.22	25.21	25.03	25.23	25.20	25.07
	256QAM	1	1	26.18	26.09	26.12	25.12	25.22	25.17	26.14	26.07	26.02	26.02	26.02	26.23
		1	63	26.18	26.15	26.23	25.18	25.18	25.15	26.12	26.24	26.04	26.01	26.11	26.01
		1	64	25.25	25.14	25.07	24.06	24.06	24.07	25.22	25.05	25.24	25.19	25.08	25.22
		32	16	26.66	26.74	26.58	25.56	25.65	25.55	26.52	26.53	26.58	26.73	26.70	26.71
		64	0	26.54	26.52	26.58	25.65	25.65	25.62	26.53	26.66	26.66	26.66	26.62	26.74
		1	0	24.09	24.04	24.17	23.04	23.02	23.20	24.20	24.12	24.16	24.05	24.16	24.22
		1	1	24.06	24.24	24.23	23.16	23.21	23.06	24.20	24.17	24.16	24.11	24.16	24.16
		1	63	24.25	24.20	24.04	23.06	23.22	23.20	24.05	24.15	24.17	24.04	24.05	24.07
		1	64	24.15	24.10	24.02	23.16	23.02	23.21	24.11	24.23	24.05	24.07	24.13	24.06
		32	16	24.67	24.57	24.65	23.66	23.59	23.71	24.62	24.61	24.61	24.53	24.71	24.54
		64	0	24.52	24.58	24.56	23.63	23.68	23.64	24.53	24.53	24.72	24.68	24.58	24.52

OUTPUT POWER FOR 5G NR n77 (30.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				631000	633332	635666	631000	633332	635666	631000	633332	635666	631000	633332	635666
30.0	BPSK	1	0	25.10	25.03	25.23	24.24	24.04	24.22	25.05	25.11	25.19	25.03	25.02	25.07
		1	1	28.51	28.53	28.59	27.55	27.74	27.71	28.58	28.67	28.69	28.71	28.68	28.48
		1	76	28.73	28.71	28.57	27.72	27.68	27.68	28.55	28.75	28.59	28.45	28.70	28.65
		1	77	25.21	25.11	25.22	24.03	24.15	24.15	25.18	25.12	25.05	25.05	25.01	25.05
		36	18	29.00	29.00	29.00	28.00	28.00	29.00	29.00	29.00	28.58	28.61	29.00	28.60
		75	0	28.66	28.62	28.61	27.64	27.58	27.62	28.62	28.71	28.66	28.70	28.70	28.61
	QPSK	1	0	25.09	25.15	25.11	24.15	24.15	24.07	25.03	25.16	25.14	25.02	25.20	25.25
		1	1	28.58	28.73	28.75	27.54	27.66	27.64	28.70	28.72	28.64	28.74	28.69	28.55
		1	76	28.57	28.52	28.69	27.66	27.58	27.65	28.48	28.51	28.59	28.68	28.73	28.74
		1	77	25.07	25.09	25.04	24.21	24.09	24.20	25.24	25.04	25.14	25.16	25.13	25.18
		36	18	28.96	28.97	28.96	27.95	27.96	27.98	28.99	28.98	28.72	28.71	28.96	28.68
		75	0	28.04	28.17	28.06	27.23	27.20	27.14	28.11	28.08	28.16	28.25	28.08	28.16
	16QAM	1	0	25.02	25.18	25.17	24.09	24.24	24.14	25.11	25.11	25.13	25.15	25.11	25.12
		1	1	27.61	27.57	27.75	26.59	26.64	26.63	27.55	27.70	27.73	27.71	27.58	27.63
		1	76	27.73	27.65	27.65	26.53	26.68	26.60	27.61	27.66	27.53	27.66	27.70	27.75
		1	77	25.19	25.08	25.14	24.05	24.02	24.14	25.09	25.24	25.14	25.18	25.15	25.20
		36	18	28.10	28.17	28.07	27.21	27.20	27.17	28.18	28.13	28.05	28.23	28.22	28.17
		75	0	27.23	27.18	27.12	26.20	26.02	26.20	27.03	27.22	27.15	27.04	27.11	27.09
	64QAM	1	0	25.15	25.12	25.12	24.03	24.06	24.04	25.05	25.16	25.16	25.03	25.06	25.24
		1	1	26.12	26.05	26.12	25.06	25.08	25.03	26.03	26.16	26.02	26.13	26.15	26.03
		1	76	26.06	26.09	26.21	25.06	25.10	25.10	26.18	26.16	26.05	26.13	26.05	26.19
		1	77	25.10	25.20	25.17	24.18	24.18	24.13	25.05	25.06	25.02	25.02	25.03	25.13
		36	18	26.68	26.70	26.56	25.57	25.56	25.59	26.55	26.71	26.71	26.52	26.51	26.74
		75	0	26.63	26.67	26.55	25.66	25.61	25.67	26.63	26.63	26.71	26.63	26.59	26.53
	256QAM	1	0	24.23	24.23	24.03	23.05	23.14	23.14	24.04	24.11	24.22	24.12	24.14	24.17
		1	1	24.08	24.19	24.19	23.20	23.12	23.11	24.14	24.22	24.22	24.02	24.02	24.04
		1	76	24.06	24.22	24.07	23.02	23.17	23.22	24.20	24.11	24.24	24.03	24.09	24.06
		1	77	24.02	24.11	24.22	23.04	23.16	23.15	24.17	24.21	24.05	24.06	24.10	24.22
		36	18	24.56	24.52	24.71	23.61	23.68	23.59	24.63	24.67	24.64	24.68	24.71	24.70
		75	0	24.72	24.51	24.60	23.70	23.57	23.65	24.65	24.74	24.68	24.55	24.54	24.60

OUTPUT POWER FOR 5G NR n77 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				631332	633332	635332	631332	633332	635332	631332	633332	635332	631332	633332	635332
40.0	BPSK	1	0	25.05	25.21	25.18	24.23	24.08	24.19	25.16	25.04	25.24	25.06	25.01	25.20
		1	1	28.71	28.69	28.68	27.58	27.72	27.66	28.71	28.38	28.64	28.56	28.65	28.51
		1	104	28.56	28.71	28.57	27.66	27.58	27.60	28.54	28.64	28.61	28.73	28.62	28.58
		1	105	25.10	25.16	25.19	24.16	24.06	24.04	25.04	25.08	25.16	25.23	25.16	25.13
		50	25	29.00	29.00	29.00	28.00	28.00	28.00	28.81	29.00	28.72	28.45	29.00	28.53
		100	0	28.56	28.56	28.67	27.57	27.75	27.70	28.62	28.60	28.63	28.63	28.63	28.59
	QPSK	1	0	25.14	25.22	25.17	24.02	24.12	24.10	25.10	25.13	25.05	25.05	25.06	25.09
		1	1	28.53	28.55	28.73	27.62	27.73	27.70	28.67	28.70	28.62	28.61	28.69	28.73
		1	104	28.65	28.71	28.57	27.62	27.54	27.67	28.54	28.54	28.71	28.61	28.53	28.53
		1	105	25.15	25.06	25.25	24.19	24.08	24.11	25.23	25.03	25.22	25.04	25.16	25.16
		50	25	28.95	28.95	28.95	27.97	27.96	27.99	28.89	28.96	28.72	28.54	28.96	28.56
		100	0	28.02	28.24	28.13	27.16	27.05	27.14	28.08	28.20	28.03	28.07	28.02	28.03
	16QAM	1	0	25.12	25.16	25.02	24.05	24.05	24.08	25.15	25.18	25.10	25.06	25.14	25.15
		1	1	27.75	27.67	27.59	26.56	26.75	26.72	27.62	27.64	27.70	27.63	27.52	27.71
		1	104	27.52	27.51	27.72	26.72	26.71	26.71	27.64	27.73	27.58	27.61	27.60	27.67
		1	105	25.05	25.19	25.03	24.20	24.16	24.02	25.07	25.02	25.09	25.23	25.01	25.15
		50	25	28.25	28.09	28.21	27.16	27.14	27.11	28.11	28.03	28.01	28.10	28.16	28.04
		100	0	27.25	27.01	27.18	26.19	26.08	26.13	27.06	27.18	27.11	27.17	27.15	27.13
	64QAM	1	0	25.16	25.23	25.08	24.17	24.23	24.21	25.22	25.19	25.03	25.02	25.11	25.02
		1	1	26.04	26.07	26.24	25.23	25.25	25.14	26.05	26.02	26.15	26.23	26.06	26.12
		1	104	26.06	26.22	26.15	25.13	25.22	25.10	26.24	26.14	26.08	26.20	26.06	26.11
		1	105	25.18	25.22	25.03	24.05	24.09	24.12	25.04	25.18	25.01	25.03	25.14	25.18
		50	25	26.67	26.69	26.73	25.71	25.61	25.63	26.63	26.62	26.73	26.59	26.53	26.54
		100	0	26.72	26.73	26.70	25.60	25.70	25.53	26.54	26.74	26.72	26.70	26.57	26.72
	256QAM	1	0	24.12	24.24	24.08	23.11	23.05	23.15	24.01	24.23	24.13	24.12	24.15	24.06
		1	1	24.24	24.10	24.25	23.11	23.15	23.17	24.15	24.24	24.07	24.03	24.19	24.18
		1	104	24.09	24.22	24.17	23.11	23.06	23.07	24.05	24.21	24.22	24.08	24.19	24.06
		1	105	24.04	24.15	24.19	23.08	23.22	23.02	24.12	24.24	24.20	24.08	24.20	24.18
		50	25	24.51	24.72	24.69	23.63	23.61	23.70	24.71	24.55	24.59	24.68	24.59	24.57
		100	0	24.74	24.67	24.56	23.51	23.65	23.69	24.72	24.54	24.63	24.63	24.58	24.51

OUTPUT POWER FOR 5G NR n77 (50.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				631666	633332	634998	631666	633332	634998	631666	633332	634998	631666	633332	634998
50.0	BPSK	1	0	3475.0	3500.0	3525.0	3475.0	3500.0	3525.0	3475.0	3500.0	3525.0	3475.0	3500.0	3525.0
		1	1	25.11	25.12	25.11	24.09	24.19	24.13	25.18	25.15	25.17	25.03	25.07	25.03
		1	131	28.71	28.65	28.69	27.71	27.53	27.63	28.55	28.21	28.62	28.70	28.13	28.60
		1	131	28.68	28.71	28.69	27.74	27.63	27.71	28.68	28.66	28.74	28.68	28.39	28.71
		1	132	25.22	25.14	25.22	24.14	24.02	24.16	25.08	25.13	25.07	25.04	25.09	25.13
		64	32	29.00	29.00	29.00	28.00	28.00	28.00	28.70	29.00	29.00	28.47	29.00	28.57
	QPSK	128	0	28.73	28.54	28.56	27.58	27.63	27.59	28.52	28.64	28.75	28.60	28.69	28.64
		1	0	25.16	25.04	25.13	24.04	24.18	24.13	25.11	25.10	25.25	25.20	25.12	25.04
		1	1	28.53	28.66	28.69	27.58	27.72	27.62	28.65	28.43	28.61	28.57	28.28	28.68
		1	131	28.59	28.69	28.58	27.61	27.74	27.71	28.65	28.61	28.59	28.67	28.69	28.71
		1	132	25.09	25.12	25.16	24.10	24.17	24.14	25.16	25.04	25.12	25.22	25.22	25.13
		64	32	28.99	28.98	28.99	27.97	27.99	27.97	28.68	28.97	28.99	28.52	28.97	28.71
	16QAM	128	0	28.22	28.20	28.22	27.01	27.15	27.25	28.03	28.12	28.10	28.24	28.19	28.20
		1	0	25.08	25.11	25.22	24.11	24.23	24.02	25.02	24.98	25.06	25.07	25.09	25.11
		1	1	27.70	27.66	27.71	26.61	26.60	26.54	27.59	27.52	27.56	27.74	27.67	27.57
		1	131	27.74	27.71	27.59	26.71	26.57	26.54	27.66	27.72	27.74	27.60	27.57	27.62
		1	132	25.10	25.25	25.01	24.13	24.24	24.23	25.23	25.04	25.02	25.06	25.18	25.18
		64	32	28.18	28.17	28.02	27.06	27.03	27.06	28.22	28.12	28.16	28.06	28.06	28.14
	64QAM	128	0	27.02	27.06	27.21	26.19	26.14	26.25	27.03	27.23	27.16	27.13	27.21	27.06
		1	0	25.09	25.25	25.23	24.10	24.02	24.12	25.11	25.17	25.10	25.21	25.16	25.18
		1	1	26.03	26.03	26.11	25.20	25.16	26.06	26.13	26.08	26.09	26.10	26.24	26.24
		1	131	26.14	26.15	26.24	25.10	25.22	25.13	26.19	26.15	26.03	26.15	26.20	26.15
		1	132	25.07	25.24	25.19	24.22	24.15	24.04	25.03	25.02	25.19	25.06	25.04	25.09
		64	32	26.54	26.72	26.61	25.74	25.65	25.73	26.71	26.54	26.72	26.70	26.57	26.75
	256QAM	128	0	26.64	26.55	26.56	25.70	25.56	25.57	26.55	26.55	26.55	26.63	26.51	26.54
		1	0	24.24	24.07	24.11	23.19	23.21	23.17	24.08	24.21	24.16	24.06	24.08	24.04
		1	1	24.05	24.16	24.11	23.10	23.01	23.01	24.03	24.14	24.18	24.23	24.16	24.07
		1	131	24.16	24.19	24.09	23.21	23.10	23.19	24.05	24.14	24.23	24.19	24.17	24.03
		1	132	24.23	24.15	24.06	23.03	23.18	23.05	24.24	24.22	24.02	24.14	24.10	24.02
		64	32	24.56	24.74	24.64	23.67	23.63	23.72	24.65	24.62	24.59	24.60	24.68	24.65
		128	0	24.70	24.66	24.65	23.60	23.60	23.54	24.59	24.64	24.53	24.60	24.52	24.71

OUTPUT POWER FOR 5G NR n77 (60.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				632000	633332	634666	632000	633332	634666	632000	633332	634666	632000	633332	634666
60.0	BPSK	1	0	3480.0	3500.0	3520.0	3480.0	3500.0	3520.0	3480.0	3500.0	3520.0	3480.0	3500.0	3520.0
		1	1	25.06	25.25	25.06	24.17	24.14	24.10	25.20	25.04	25.02	25.08	25.16	25.14
		1	1	28.59	28.61	28.60	27.54	27.73	27.53	28.57	28.63	28.70	28.61	28.17	28.53
		1	160	28.74	28.73	28.53	27.75	27.68	27.59	28.65	28.54	28.64	28.74	28.44	28.56
		1	161	25.12	25.04	25.10	24.10	24.02	24.08	25.09	25.03	25.12	25.04	25.06	25.05
		81	40	29.00	29.00	29.00	28.00	28.00	28.00	28.66	29.00	29.00	28.36	29.00	28.66
	QPSK	162	0	28.54	28.52	28.63	27.62	27.52	27.61	28.67	28.57	28.57	28.61	28.71	28.55
		1	0	25.16	25.03	25.18	24.22	24.04	24.04	25.03	25.08	25.01	25.05	25.11	25.07
		1	1	28.72	28.68	28.73	27.74	27.67	27.72	28.54	28.34	28.67	28.58	28.42	28.57
		1	160	28.65	28.72	28.56	27.63	27.75	27.59	28.53	28.65	28.57	28.52	28.34	28.58
		1	161	25.23	25.20	25.07	24.20	24.05	24.18	25.19	25.12	25.14	25.03	25.19	25.08
		81	40	28.95	28.96	28.99	27.96	27.96	27.97	28.69	28.95	28.99	28.66	28.98	28.71
	16QAM	162	0	28.23	28.17	28.04	27.20	27.21	27.23	28.10	28.16	28.08	28.04	28.11	28.20
		1	0	25.03	25.04	24.94	24.07	24.09	24.04	25.08	24.90	25.17	25.20	25.04	25.04
		1	1	27.65	27.28	27.66	26.69	26.60	26.58	27.74	27.33	27.71	27.70	27.66	27.70
		1	160	27.66	27.37	27.67	26.55	26.69	26.53	27.62	27.68	27.73	27.57	27.70	27.65
		1	161	25.19	24.78	25.02	24.23	24.21	24.07	25.04	25.12	25.03	25.18	25.12	25.19
		81	40	28.05	28.09	28.14	27.16	27.09	27.05	28.07	28.17	28.08	28.13	28.06	28.17
	64QAM	162	0	27.08	27.19	27.24	26.11	26.12	26.20	27.15	27.15	27.01	27.20	27.13	27.12
		1	0	25.07	25.03	25.16	24.08	24.20	24.23	25.23	25.19	25.19	25.10	25.04	25.07
		1	1	26.15	26.09	26.14	25.17	25.17	25.11	26.09	26.04	26.12	26.18	26.06	26.08
		1	160	26.04	25.63	26.14	25.22	25.14	25.18	26.10	26.12	26.20	26.23	26.14	26.02
		1	161	25.06	24.91	25.05	24.11	24.04	24.06	25.24	25.24	25.23	25.22	25.19	25.13
		81	40	26.52	26.55	26.63	25.66	25.59	25.72	26.67	26.51	26.59	26.71	26.66	26.64
	256QAM	162	0	26.68	26.68	26.58	25.58	25.52	25.72	26.67	26.57	26.66	26.65	26.75	26.72
		1	0	24.05	24.24	24.02	23.12	23.17	23.20	24.02	24.17	24.20	24.02	24.17	24.17
		1	1	24.03	24.08	24.10	23.01	23.14	23.10	24.04	24.19	24.22	24.24	24.05	24.14
		1	160	24.05	24.05	24.09	23.10	23.19	23.12	24.23	24.20	24.25	24.12	24.23	24.16
		1	161	24.19	24.14	24.06	23.19	23.22	23.09	24.22	24.06	24.23	24.23	24.06	24.22
		81	40	24.58	24.49	24.74	23.62	23.67	23.53	24.57	24.56	24.68	24.52	24.57	24.54
		162	0	24.65	24.67	24.70	23.73	23.59	23.54	24.53	24.55	24.62	24.71	24.60	24.72

OUTPUT POWER FOR 5G NR n77 (70.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				632333	633332	634333	632333	633332	634333	632333	633332	634333	632333	633332	634333
70.0	BPSK	1	0	3485.0	3500.0	3515.0	3485.0	3500.0	3515.0	3485.0	3500.0	3515.0	3485.0	3500.0	3515.0
		1	1	25.25	25.25	25.03	24.11	24.05	24.16	25.13	25.03	25.08	25.22	25.02	25.11
		1	187	28.54	28.62	28.63	27.65	27.61	27.65	28.66	28.70	28.25	28.67	28.35	28.64
		1	188	28.61	28.64	28.72	27.57	27.57	27.61	28.73	28.34	28.62	28.61	28.46	28.72
		90	45	24.90	25.24	25.25	24.13	24.08	24.11	25.22	25.24	25.08	25.22	25.13	25.07
		180	0	28.59	28.52	28.58	27.53	27.72	27.74	28.58	28.66	28.67	28.67	28.67	28.53
	QPSK	1	0	25.13	25.20	25.17	24.17	24.18	24.24	25.19	25.25	25.07	25.21	25.07	25.11
		1	1	28.70	28.66	28.48	27.65	27.58	27.60	28.61	28.58	28.38	28.66	28.74	28.34
		1	187	28.59	28.73	28.58	27.75	27.57	27.52	28.61	28.74	28.62	28.72	28.23	28.60
		1	188	25.09	25.24	25.23	24.13	24.02	24.07	25.20	25.11	25.23	25.02	25.10	25.22
		90	45	28.97	28.97	28.98	27.99	27.97	27.99	28.76	28.97	28.96	28.77	28.97	28.89
		180	0	28.13	28.12	28.23	27.03	27.04	27.17	28.07	28.01	28.25	28.13	28.14	28.03
	16QAM	1	0	25.12	25.16	24.78	24.08	24.17	24.01	25.02	25.18	25.10	25.02	25.06	25.15
		1	1	27.51	27.72	27.61	26.74	26.72	26.67	27.56	27.70	27.68	27.56	27.70	27.74
		1	187	27.37	27.61	27.53	26.52	26.72	26.68	27.69	27.59	27.66	27.53	27.75	27.53
		1	188	24.77	24.78	25.14	24.09	24.02	24.07	25.19	25.05	25.17	25.14	25.03	25.02
		90	45	28.10	28.22	28.08	27.21	27.20	27.13	28.15	28.10	28.05	28.15	28.08	28.24
		180	0	27.19	27.07	27.09	26.03	26.04	26.03	27.09	27.19	27.25	27.04	27.16	27.14
	64QAM	1	0	25.15	24.97	25.25	24.10	24.20	24.15	25.05	25.02	25.04	25.07	25.11	25.08
		1	1	26.13	26.09	26.14	25.19	25.09	25.14	26.25	26.15	26.07	26.09	26.12	26.25
		1	187	25.92	25.94	26.02	25.18	25.17	25.22	26.13	26.12	26.10	26.11	26.23	26.18
		1	188	24.83	24.98	24.92	24.22	24.23	24.22	25.21	25.03	25.17	25.06	25.10	25.03
		90	45	26.67	26.57	26.73	25.60	25.72	25.53	26.60	26.71	26.65	26.63	26.61	26.56
		180	0	26.66	26.52	26.72	25.59	25.64	25.71	26.72	26.53	26.57	26.64	26.56	26.57
	256QAM	1	0	24.07	24.12	24.19	23.12	23.20	23.17	24.24	24.18	24.08	24.25	24.15	24.09
		1	1	24.11	24.09	24.14	23.09	23.08	23.01	24.19	24.10	24.07	24.07	24.03	24.16
		1	187	24.24	24.22	24.03	23.03	23.02	23.08	24.03	24.25	24.24	24.20	24.23	24.08
		1	188	23.87	24.22	24.21	23.19	23.03	23.09	24.25	24.07	24.17	24.13	24.18	24.13
		90	45	24.63	24.66	24.61	23.55	23.51	23.62	24.74	24.74	24.57	24.54	24.56	24.63
		180	0	24.52	24.66	24.71	23.56	23.62	23.58	24.57	24.53	24.57	24.62	24.56	24.60

OUTPUT POWER FOR 5G NR n77 (80.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				632666	633332	633998	632666	633332	633998	632666	633332	633998	632666	633332	633998
80.0	BPSK	1	0	3490.0	3500.0	3510.0	3490.0	3500.0	3510.0	3490.0	3500.0	3510.0	3490.0	3500.0	3510.0
		1	1	25.09	25.19	25.07	24.13	24.20	24.03	25.12	25.18	25.18	25.14	25.20	25.04
		1	1	28.75	28.54	28.65	27.68	27.57	27.74	28.51	28.73	28.63	28.70	28.44	28.24
		1	215	28.72	28.70	28.68	27.57	27.64	27.60	28.36	28.21	28.73	28.60	28.60	28.59
		1	216	25.14	25.07	25.13	24.18	24.01	24.09	25.22	25.16	25.22	25.12	25.01	25.12
		108	54	29.00	29.00	29.00	28.00	28.00	28.00	28.98	29.00	29.00	28.73	28.94	28.87
	QPSK	216	0	28.69	28.60	28.58	27.71	27.54	27.69	28.61	28.55	28.54	28.58	28.52	28.75
		1	0	25.20	25.20	25.15	24.14	24.07	24.13	25.01	25.24	25.02	25.08	25.07	25.12
		1	1	28.67	28.61	28.65	27.61	27.57	27.68	28.67	28.57	28.50	28.74	28.55	28.35
		1	215	28.67	28.70	28.66	27.58	27.52	27.64	28.67	28.52	28.53	28.53	28.68	28.51
		1	216	25.02	25.08	25.12	24.16	24.02	24.15	25.12	25.21	25.11	25.17	25.12	25.19
		108	54	28.97	28.97	28.96	27.98	27.98	27.95	28.98	28.97	28.96	28.80	28.89	28.91
	16QAM	216	0	28.18	28.09	28.09	27.18	27.21	27.04	28.21	28.20	28.05	28.06	28.21	28.15
		1	0	25.17	25.25	25.13	24.20	24.10	24.01	25.16	25.18	25.16	25.06	25.20	25.23
		1	1	27.55	27.73	27.57	26.61	26.65	26.63	27.54	27.61	27.72	27.57	27.71	27.68
		1	215	27.55	27.65	27.62	26.67	26.51	26.59	27.60	27.31	27.72	27.52	27.67	27.54
		1	216	24.87	25.24	24.80	24.07	24.07	24.14	25.15	25.13	25.10	25.17	25.09	25.24
		108	54	28.21	28.06	28.11	27.07	27.19	27.21	28.22	28.08	28.20	28.02	28.06	28.06
	64QAM	216	0	27.23	27.20	27.23	26.09	26.07	26.19	27.04	27.18	27.07	27.05	27.23	27.23
		1	0	25.23	25.17	25.03	24.05	24.16	24.02	25.19	25.06	25.05	25.24	25.15	25.22
		1	1	26.11	26.09	26.15	25.02	25.21	25.03	26.16	26.23	26.23	26.24	26.02	26.04
		1	215	26.23	25.94	26.18	25.14	25.09	25.02	26.03	26.21	26.10	26.24	26.24	26.04
		1	216	25.10	25.13	25.14	24.18	24.11	24.13	25.19	25.21	25.04	25.06	25.13	25.19
		108	54	26.72	26.53	26.73	25.67	25.63	25.51	26.69	26.68	26.66	26.53	26.56	26.56
	256QAM	216	0	26.51	26.55	26.73	25.74	25.58	25.56	26.59	26.60	26.66	26.61	26.60	26.74
		1	0	24.06	24.10	24.22	23.09	23.21	23.05	24.19	24.23	24.08	24.15	24.18	24.12
		1	1	24.05	24.14	24.10	23.21	23.11	23.10	24.10	24.07	24.20	24.23	24.20	24.07
		1	215	24.16	24.24	24.15	23.21	23.03	23.10	24.19	24.12	24.10	24.23	24.07	24.15
		1	216	24.05	24.12	24.17	23.07	23.20	23.04	24.08	24.07	24.02	24.08	24.08	24.25
		108	54	24.66	24.62	24.70	23.67	23.52	23.54	24.71	24.56	24.73	24.63	24.55	24.56
		216	0	24.65	24.59	24.75	23.61	23.70	23.62	24.57	24.60	24.58	24.64	24.54	24.58

OUTPUT POWER FOR 5G NR n77 (90.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				633000	633332	633666	633000	633332	633666	633000	633332	633666	633000	633332	633666
90.0	BPSK	1	0	3495.0	3500.0	3505.0	3495.0	3500.0	3505.0	3495.0	3500.0	3505.0	3495.0	3500.0	3505.0
		1	1	25.20	25.17	25.20	24.05	24.09	24.24	25.21	25.15	25.07	25.20	25.11	25.09
		1	243	28.68	28.60	28.74	27.62	27.60	27.72	28.68	28.73	28.60	28.74	28.58	28.65
		1	243	28.71	28.60	28.70	27.54	27.68	27.59	28.31	28.67	28.71	28.48	28.56	28.67
		1	244	25.06	25.10	25.17	24.18	24.08	24.16	25.18	25.03	25.20	25.16	25.04	25.20
		120	60	29.00	29.00	29.00	28.00	28.00	29.00	29.00	29.00	29.00	28.84	28.76	28.93
	QPSK	243	0	28.69	28.60	28.64	27.71	27.62	27.68	28.64	28.53	28.72	28.71	28.67	28.58
		1	0	25.16	25.15	25.03	24.24	24.24	24.17	25.01	25.08	25.10	25.18	25.09	25.08
		1	1	28.69	28.65	28.68	27.74	27.52	27.65	28.74	28.70	28.58	28.66	28.57	28.52
		1	243	28.59	28.69	28.62	27.65	27.65	27.70	28.71	28.54	28.73	28.21	28.45	28.63
		1	244	25.12	25.20	25.19	24.23	24.16	24.17	25.07	25.13	25.06	25.24	25.16	25.01
		120	60	28.98	28.96	28.97	27.96	27.99	27.98	28.99	28.99	28.98	28.79	28.82	28.87
	16QAM	243	0	28.04	28.25	28.07	27.13	27.22	27.18	28.06	28.12	28.04	28.09	28.07	28.02
		1	0	25.05	25.10	25.17	24.06	24.17	24.01	25.02	25.10	25.08	25.04	25.11	25.19
		1	1	27.62	27.65	27.57	26.57	26.70	26.65	27.73	27.74	27.65	27.52	27.52	27.59
		1	243	27.48	27.53	27.57	26.70	26.55	26.73	27.57	27.68	27.64	27.64	27.55	27.61
		1	244	25.11	25.20	25.10	24.23	24.24	24.03	25.03	25.17	25.03	25.07	25.19	25.12
		120	60	28.08	28.01	28.20	27.12	27.24	27.06	28.02	28.23	28.02	28.07	28.18	28.22
	64QAM	243	0	27.19	27.05	27.23	26.10	26.18	26.14	27.17	27.07	27.02	27.02	27.25	27.14
		1	0	25.02	25.02	25.19	24.22	24.04	24.15	25.16	25.24	25.10	25.17	25.13	25.07
		1	1	26.06	26.15	26.07	25.20	25.18	25.22	26.03	26.11	26.03	26.02	26.19	26.07
		1	243	26.16	26.24	26.14	25.11	25.21	25.15	26.03	26.23	26.17	26.17	26.03	26.13
		1	244	25.24	25.05	25.13	24.25	24.24	24.19	25.02	25.03	25.22	25.12	25.21	25.08
		120	60	26.56	26.60	26.73	25.63	25.65	25.59	26.58	26.64	26.70	26.70	26.70	26.62
	256QAM	243	0	26.62	26.54	26.70	25.71	25.62	25.61	26.65	26.73	26.52	26.53	26.63	26.72
		1	0	24.08	24.24	24.10	23.09	23.18	23.05	24.21	24.14	24.13	24.11	24.16	24.21
		1	1	24.20	24.08	24.06	23.10	23.04	23.10	24.18	24.18	24.14	24.23	24.15	24.23
		1	243	24.14	24.11	24.11	23.16	23.25	23.24	24.11	24.04	24.06	24.08	24.05	24.06
		1	244	24.09	24.01	24.18	23.08	23.16	23.04	24.10	24.03	24.11	24.05	24.19	24.23
		120	60	24.63	24.59	24.66	23.75	23.58	23.59	24.59	24.74	24.60	24.59	24.66	24.68
		243	0	24.59	24.74	24.68	23.68	23.74	23.56	24.62	24.54	24.52	24.68	24.64	24.53

OUTPUT POWER FOR 5G NR n77 (100.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				N/A	633332	N/A	N/A	633332	N/A	N/A	633332	N/A	N/A	633332	N/A
100.0	BPSK	1	0		3500.0	N/A	N/A	3500.0	N/A	N/A	3500.0	N/A	N/A	3500.0	N/A
		1	1	25.13				24.17			25.02			25.25	
		1	271	28.56				27.61			28.52			28.71	
		1	272	28.55				27.51			28.52			28.52	
		1	272	25.16				24.09			25.08			25.08	
		135	67	29.00				28.00			28.96			28.87	
	QPSK	270	0	28.58				27.58			28.66			28.64	
		1	0	25.05				24.21			25.10			25.12	
		1	1	28.59				27.72			28.73			28.75	
		1	271	28.55				27.55			28.62			28.62	
		1	272	25.02				24.12			25.11			25.19	
		135	67	28.98				27.95			28.98			28.82	
	16QAM	270	0	28.17				27.14			28.13			28.18	
		1	0	25.08				24.22			25.02			25.20	
		1	1	27.47				26.71			27.52			27.64	
		1	271	27.70				26.68			27.52			27.62	
		1	272	25.17				24.03			25.06			25.08	
		135	67	28.06				27.13			28.12			28.17	
	64QAM	270	0	27.16				26.16			27.14			27.02	
		1	0	24.91				24.17			25.11			25.22	
		1	1	26.05				25.25			26.02			26.04	
		1	271	26.21				25.22			26.08			26.01	
		1	272	25.10				24.12			25.23			25.23	
		135	67	26.68				25.59			26.52			26.67	
	256QAM	270	0	26.58				25.71			26.70			26.61	
		1	0	24.05				23.12			24.18			24.23	
		1	1	24.20				23.10			24.10			24.17	
		1	271	24.17				23.22			24.14			24.22	
		1	272	24.12				23.15			24.09			24.24	
		135	67	24.72				23.66			24.68			24.58	
		270	0	24.68				23.62			24.74			24.67	

8.2. 5G NR n77 (FCC Part 27 3450-3550MHz, MIMO)

Test Engineer ID:	32894	Test Date:	2026-01-07
-------------------	-------	------------	------------

OUTPUT POWER FOR 5G NR n77 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8			ANT 7+8		
				630334	633332	636332	630333	633332	636333
10.0	BPSK	1	0	28.23	28.17	28.26	28.28	28.14	28.15
		1	1	31.75	31.74	31.64	31.77	31.73	31.66
		1	22	31.75	31.72	31.65	31.69	31.73	31.70
		1	23	28.18	28.26	28.26	28.25	28.19	28.22
		12	6	32.00	32.00	32.00	32.00	32.00	32.00
		24	0	31.71	31.73	30.52	31.80	31.77	30.50
		1	0	28.24	28.20	28.23	28.24	28.21	28.26
		1	1	31.73	31.75	31.74	31.77	31.78	31.65
	QPSK	1	22	31.74	31.67	31.74	31.64	31.73	31.70
		1	23	28.19	28.20	28.20	28.20	28.25	28.14
		12	6	31.54	31.75	31.70	31.80	31.56	31.79
		24	0	30.08	31.24	29.66	30.10	31.23	29.65
		1	0	28.16	28.16	28.17	28.22	28.26	28.19
		1	1	30.75	30.69	30.66	30.63	30.69	30.75
		1	22	30.68	30.71	30.74	30.75	30.71	30.66
		1	23	28.18	28.18	28.18	28.21	28.22	28.18
	16QAM	12	6	31.18	31.16	31.30	31.20	31.19	31.12
		24	0	30.19	30.16	30.25	30.23	30.18	30.17
		1	0	28.14	28.22	28.21	28.18	28.26	28.21
		1	1	29.18	29.25	29.15	29.26	29.26	29.28
		1	22	29.23	29.24	29.28	29.17	29.23	29.21
		1	23	28.21	28.19	28.19	28.22	28.24	28.29
		12	6	29.79	29.73	29.76	29.68	29.68	29.79
		24	0	29.70	29.68	29.67	29.73	29.71	29.73
	64QAM	1	0	27.21	27.23	27.17	27.16	27.21	27.19
		1	1	27.17	27.25	27.18	27.24	27.21	27.07
		1	22	27.25	27.16	27.21	27.21	27.17	27.04
		1	23	27.17	27.21	27.23	27.23	27.20	27.21
		12	6	27.66	27.68	27.70	27.64	27.76	27.77
		24	0	27.72	27.68	27.77	27.67	27.67	27.68
	256QAM	1	0	27.21	27.23	27.17	27.16	27.21	27.19
		1	1	27.17	27.25	27.18	27.24	27.21	27.07
		1	22	27.25	27.16	27.21	27.21	27.17	27.04
		1	23	27.17	27.21	27.23	27.23	27.20	27.21
		12	6	27.66	27.68	27.70	27.64	27.76	27.77
		24	0	27.72	27.68	27.77	27.67	27.67	27.68

OUTPUT POWER FOR 5G NR n77 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8			ANT 7+8		
				630500	633332	636166	630500	633332	636166
15.0	BPSK	1	0	28.30	28.24	28.15	28.20	28.19	28.26
		1	1	31.78	31.74	31.76	31.73	31.71	31.71
		1	36	31.77	31.72	31.64	31.72	31.70	31.69
		1	37	28.22	28.27	28.22	28.13	28.21	28.20
		18	9	31.87	31.62	31.54	31.92	31.96	32.00
		36	0	31.74	31.70	31.72	31.65	31.70	31.65
		1	0	28.26	28.16	28.15	28.29	28.20	28.26
		1	1	31.71	31.64	31.64	31.70	31.64	31.68
	QPSK	1	36	31.69	31.76	31.74	31.68	31.73	31.72
		1	37	28.17	28.21	28.21	28.22	28.23	28.25
		18	9	31.63	31.71	31.65	31.91	31.94	31.54
		36	0	31.19	31.18	29.89	31.24	31.29	30.11
		1	0	28.17	28.28	28.23	28.18	28.21	28.24
		1	1	30.69	30.64	30.65	30.75	30.71	30.65
		1	36	30.74	30.67	30.70	30.71	30.70	30.72
		1	37	28.22	28.21	28.19	28.23	28.28	28.24
	16QAM	18	9	31.25	31.23	31.17	31.13	31.18	31.22
		36	0	30.22	30.26	30.27	30.19	30.22	30.16
		1	0	28.19	28.19	28.22	28.17	28.29	28.16
		1	1	29.12	29.13	29.20	29.17	29.28	29.25
		1	36	29.20	29.26	29.24	29.26	29.25	29.19
		1	37	28.23	28.16	28.21	28.26	28.17	28.16
		18	9	29.66	29.78	29.65	29.72	29.72	29.80
		36	0	29.69	29.79	29.63	29.68	29.74	29.73
	64QAM	1	0	27.23	27.20	27.16	27.18	27.06	27.18
		1	1	27.26	27.22	27.23	27.18	27.28	27.15
		1	36	27.17	27.15	27.26	27.28	27.11	27.18
		1	37	27.24	27.23	27.27	27.18	27.23	27.24
		18	9	27.72	27.72	27.76	27.74	27.64	27.76
		36	0	27.66	27.76	27.74	27.70	27.64	27.72

OUTPUT POWER FOR 5G NR n77 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8			ANT 7+8		
				630666 3460.0 MHz	633332 3500.0 MHz	635998 3540.0 MHz	630666 3460.0 MHz	633332 3500.0 MHz	635998 3540.0 MHz
20.0	BPSK	1	0	28.22	28.28	28.19	28.18	28.20	28.22
		1	1	31.74	31.80	31.60	31.87	31.22	31.81
		1	49	31.69	31.64	31.53	31.07	31.66	31.92
		1	50	28.16	28.21	28.16	28.14	28.09	28.22
		25	12	31.93	31.58	31.60	31.74	31.75	31.91
		50	0	31.67	31.72	30.66	31.84	31.89	30.55
	QPSK	1	0	28.15	28.24	28.21	28.22	28.32	28.35
		1	1	31.76	31.73	31.60	32.01	31.09	31.96
		1	49	31.76	31.69	31.69	31.45	31.87	31.96
		1	50	28.24	28.24	28.20	28.21	28.13	28.37
		25	12	31.77	31.64	31.66	31.80	31.82	31.97
		50	0	31.23	31.26	29.54	31.37	31.40	29.53
	16QAM	1	0	28.24	28.20	28.26	28.11	28.12	28.25
		1	1	30.71	30.72	30.72	30.67	30.69	31.01
		1	49	30.67	30.80	30.71	30.78	30.67	30.88
		1	50	28.26	28.19	28.25	28.15	28.23	28.23
		25	12	31.24	31.21	31.12	31.24	30.95	31.72
		50	0	30.23	30.28	30.22	30.25	30.42	30.41
	64QAM	1	0	28.23	28.14	28.12	28.13	28.18	28.25
		1	1	29.20	29.23	29.21	29.23	29.19	29.39
		1	49	29.16	29.21	29.22	29.19	29.29	29.22
		1	50	28.18	28.19	28.31	28.12	28.28	28.25
		25	12	29.74	29.75	29.69	29.69	29.77	29.85
		50	0	29.67	29.75	29.71	29.72	29.78	29.87
	256QAM	1	0	27.18	27.20	27.24	27.22	27.25	27.20
		1	1	27.24	27.20	27.22	27.30	27.17	27.28
		1	49	27.19	27.20	27.21	27.20	27.09	27.21
		1	50	27.21	27.23	27.18	27.22	27.07	27.27
		25	12	27.72	27.69	27.75	27.67	27.73	27.85
		50	0	27.69	27.68	27.66	27.72	27.72	27.84

OUTPUT POWER FOR 5G NR n77 (25.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8			ANT 7+8		
				630834 3462.5 MHz	633332 3500.0 MHz	635832 3537.5 MHz	630834 3462.5 MHz	633332 3500.0 MHz	635832 3537.5 MHz
25.0	BPSK	1	0	28.17	28.29	28.25	28.23	28.26	28.22
		1	1	31.68	31.68	31.57	31.71	31.65	31.69
		1	63	31.69	31.68	31.75	31.75	31.67	31.75
		1	64	28.23	28.19	28.22	28.22	28.15	28.17
		32	16	31.95	31.65	31.63	32.00	32.00	32.00
		64	0	31.71	31.79	31.69	31.70	31.75	31.73
	QPSK	1	0	28.18	28.28	28.15	28.21	28.27	28.22
		1	1	31.72	31.65	31.74	31.66	31.68	31.66
		1	63	31.68	31.76	31.69	31.78	31.67	31.68
		1	64	28.18	28.25	28.29	28.25	28.25	28.19
		32	16	31.68	31.74	31.68	31.29	31.65	31.60
		64	0	31.24	31.24	31.29	31.21	31.24	31.19
	16QAM	1	0	28.26	28.23	28.21	28.22	28.14	28.28
		1	1	30.70	30.72	30.72	30.81	30.72	30.69
		1	63	30.68	30.65	30.72	30.76	30.71	30.75
		1	64	28.14	28.20	28.28	28.28	28.21	28.18
		32	16	31.18	31.21	31.24	31.17	31.21	31.16
		64	0	30.12	30.14	30.16	30.26	30.16	30.17
	64QAM	1	0	28.26	28.22	28.20	28.15	28.22	28.24
		1	1	29.19	29.18	29.22	29.14	29.29	29.18
		1	63	29.26	29.26	29.22	29.21	29.18	29.14
		1	64	28.27	28.23	28.24	28.26	28.25	28.21
		32	16	29.70	29.65	29.65	29.75	29.71	29.73
		64	0	29.78	29.64	29.74	29.73	29.77	29.76
	256QAM	1	0	27.26	27.14	27.22	27.25	27.16	27.13
		1	1	27.23	27.21	27.28	27.15	27.25	27.21
		1	63	27.26	27.17	27.18	27.26	27.22	27.24
		1	64	27.19	27.22	27.14	27.29	27.26	27.25
		32	16	27.67	27.78	27.73	27.70	27.72	27.71
		64	0	27.80	27.79	27.69	27.65	27.76	27.66

OUTPUT POWER FOR 5G NR n77 (30.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8			ANT 7+8		
				631000	633332	635666	631000	633332	635666
30.0	BPSK	1	0	28.25	28.23	28.18	28.28	28.17	28.19
		1	1	31.67	31.72	31.72	31.71	31.74	31.63
		1	76	31.77	31.72	31.64	31.64	31.70	31.66
		1	77	28.16	28.27	28.24	28.17	28.30	28.23
		36	18	31.97	31.73	31.71	32.00	32.00	32.00
		75	0	31.63	31.80	31.71	31.74	31.70	31.73
	QPSK	1	0	28.21	28.18	28.17	28.25	28.30	28.28
		1	1	31.75	31.74	31.67	31.76	31.67	31.71
		1	76	31.71	31.69	31.77	31.73	31.71	31.71
		1	77	28.25	28.22	28.17	28.21	28.24	28.23
		36	18	31.09	31.79	31.76	31.29	31.30	31.43
		75	0	31.21	31.22	31.19	31.26	31.28	31.19
	16QAM	1	0	28.30	28.27	28.27	28.16	28.16	28.29
		1	1	30.73	30.71	30.74	30.70	30.69	30.71
		1	76	30.73	30.70	30.70	30.76	30.64	30.67
		1	77	28.27	28.19	28.22	28.18	28.21	28.17
		36	18	31.25	31.18	31.25	31.16	31.28	31.21
		75	0	30.23	30.27	30.30	30.22	30.18	30.22
	64QAM	1	0	28.23	28.22	28.29	28.22	28.21	28.19
		1	1	29.26	29.23	29.15	29.20	29.22	29.13
		1	76	29.27	29.15	29.21	29.22	29.18	29.21
		1	77	28.23	28.16	28.13	28.19	28.23	28.27
		36	18	29.72	29.68	29.76	29.64	29.77	29.71
		75	0	29.71	29.68	29.75	29.70	29.73	29.66
	256QAM	1	0	27.25	27.19	27.25	27.27	27.23	27.20
		1	1	27.22	27.27	27.29	27.21	27.26	27.26
		1	76	27.21	27.23	27.18	27.19	27.21	27.17
		1	77	27.25	27.20	27.18	27.29	27.16	27.27
		36	18	27.76	27.67	27.65	27.78	27.77	27.65
		75	0	27.70	27.73	27.70	27.65	27.76	27.75

OUTPUT POWER FOR 5G NR n77 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8			ANT 7+8		
				631332	633332	635332	631332	633332	635332
40.0	BPSK	1	0	28.25	28.24	28.23	28.28	28.18	28.21
		1	1	31.49	31.81	31.41	31.75	31.69	31.73
		1	104	31.53	31.59	31.38	31.71	31.74	31.67
		1	105	28.25	28.24	28.18	28.15	28.18	28.22
		50	25	31.76	31.65	31.33	32.00	32.00	32.00
		100	0	31.70	31.70	31.46	31.70	31.67	31.72
	QPSK	1	0	28.21	28.14	28.24	28.19	28.18	28.19
		1	1	31.68	31.70	31.59	31.76	31.74	31.70
		1	104	31.52	31.67	31.48	31.76	31.70	31.69
		1	105	28.24	28.26	28.26	28.28	28.26	28.22
		50	25	31.80	31.73	31.37	31.65	31.45	31.54
		100	0	31.19	31.26	31.25	31.17	31.23	31.19
	16QAM	1	0	28.26	28.19	28.14	28.21	28.19	28.21
		1	1	30.73	30.72	30.72	30.68	30.71	30.69
		1	104	30.74	30.67	30.72	30.76	30.70	30.68
		1	105	28.27	28.22	28.22	28.15	28.12	28.19
		50	25	31.30	31.16	31.17	31.25	31.23	31.18
		100	0	30.20	30.25	30.25	30.22	30.24	30.19
	64QAM	1	0	28.23	28.21	28.15	28.15	28.23	28.28
		1	1	29.14	29.21	29.24	29.22	29.28	29.26
		1	104	29.23	29.22	29.28	29.22	29.25	29.14
		1	105	28.18	28.05	28.23	28.18	28.27	28.14
		50	25	29.70	29.79	29.67	29.76	29.65	29.70
		100	0	29.70	29.73	29.75	29.69	29.80	29.75
	256QAM	1	0	27.24	27.25	27.11	27.26	27.13	27.15
		1	1	27.27	27.19	27.19	27.16	27.19	27.21
		1	104	27.25	27.26	27.03	27.14	27.14	27.25
		1	105	27.25	27.09	27.11	27.13	27.24	27.22
		50	25	27.78	27.72	27.78	27.79	27.71	27.69
		100	0	27.66	27.68	27.70	27.68	27.63	27.76

OUTPUT POWER FOR 5G NR n77 (50.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8			ANT 7+8		
				631666 3475.0 MHz	633332 3500.0 MHz	634998 3525.0 MHz	631666 3475.0 MHz	633332 3500.0 MHz	634998 3525.0 MHz
50.0	BPSK	1	0	28.16	28.31	28.15	28.18	28.25	28.19
		1	1	31.56	31.74	31.73	31.68	31.74	31.75
		1	131	31.27	31.26	31.64	31.69	31.66	31.68
		1	132	28.23	28.28	28.23	28.22	28.22	28.23
		64	32	31.59	31.43	31.69	32.00	32.00	32.00
		128	0	30.71	31.67	30.66	30.52	31.63	30.54
	QPSK	1	0	28.22	28.29	28.16	28.23	28.29	28.24
		1	1	31.45	31.66	31.71	31.72	31.74	31.70
		1	131	31.33	31.28	31.81	31.71	31.79	31.68
		1	132	28.25	28.16	28.26	28.19	28.25	28.18
		64	32	31.56	31.50	31.73	31.49	31.79	31.62
		128	0	29.53	31.20	29.69	29.57	31.17	29.67
	16QAM	1	0	28.21	28.28	28.16	28.25	28.20	28.26
		1	1	30.56	30.66	30.71	30.71	30.75	30.71
		1	131	30.59	30.57	30.68	30.69	30.81	30.67
		1	132	28.01	27.82	28.21	28.20	28.14	28.25
		64	32	31.15	31.15	31.28	31.22	31.27	31.24
		128	0	30.16	30.15	30.16	30.29	30.27	30.20
	64QAM	1	0	28.25	28.14	28.18	28.18	28.21	28.23
		1	1	29.25	29.19	29.24	29.25	29.17	29.28
		1	131	29.15	29.24	29.21	29.24	29.24	29.21
		1	132	28.01	28.05	28.28	28.18	28.25	28.29
		64	32	29.67	29.65	29.71	29.66	29.75	29.64
		128	0	29.68	29.67	29.65	29.66	29.77	29.72
	256QAM	1	0	27.16	27.22	27.28	27.20	27.22	27.15
		1	1	27.25	27.20	27.21	27.20	27.27	27.16
		1	131	27.14	27.22	27.20	27.16	27.21	27.20
		1	132	27.29	27.21	27.25	27.22	27.18	27.23
		64	32	27.73	27.70	27.76	27.69	27.70	27.72
		128	0	27.67	27.70	27.63	27.72	27.63	27.66

OUTPUT POWER FOR 5G NR n77 (60.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8			ANT 7+8		
				632000 3480.0 MHz	633332 3500.0 MHz	634666 3520.0 MHz	632000 3480.0 MHz	633332 3500.0 MHz	634666 3520.0 MHz
60.0	BPSK	1	0	28.30	28.28	28.16	28.19	28.23	28.28
		1	1	31.70	31.68	31.71	31.66	31.68	31.73
		1	160	31.71	31.71	31.64	31.68	31.80	31.70
		1	161	28.28	28.17	28.15	28.26	28.18	28.19
		81	40	31.87	31.77	31.78	32.00	32.00	32.00
		162	0	31.74	31.69	31.70	31.78	31.77	31.72
	QPSK	1	0	28.21	28.27	28.22	28.20	28.29	28.16
		1	1	31.72	31.72	31.67	31.71	31.78	31.70
		1	160	31.69	31.66	31.56	31.75	31.75	31.70
		1	161	28.28	28.26	28.23	28.16	28.21	28.25
		81	40	31.92	31.87	31.84	31.82	31.77	31.29
		162	0	31.15	31.24	31.26	31.20	31.18	31.24
	16QAM	1	0	28.14	28.28	28.22	28.20	28.14	28.16
		1	1	30.64	30.75	30.80	30.64	30.70	30.64
		1	160	30.64	30.65	30.76	30.71	30.77	30.65
		1	161	28.15	28.24	28.22	28.23	28.27	28.13
		81	40	31.16	31.24	31.18	31.23	31.12	31.25
		162	0	30.18	30.24	30.26	30.21	30.28	30.21
	64QAM	1	0	28.25	28.15	28.24	28.19	28.23	28.23
		1	1	29.23	29.19	29.24	29.14	29.26	29.19
		1	160	29.28	29.15	29.24	29.18	29.19	29.22
		1	161	28.22	28.22	28.17	28.25	28.24	28.26
		81	40	29.71	29.66	29.73	29.72	29.76	29.79
		162	0	29.76	29.73	29.74	29.63	29.64	29.68
	256QAM	1	0	27.18	27.18	27.16	27.19	27.21	27.17
		1	1	27.18	27.26	27.26	27.18	27.21	27.15
		1	160	27.25	27.25	27.23	27.14	27.20	27.23
		1	161	27.20	27.29	27.14	27.17	27.19	27.24
		81	40	27.74	27.69	27.78	27.64	27.68	27.72
		162	0	27.75	27.78	27.66	27.71	27.70	27.73

OUTPUT POWER FOR 5G NR n77 (70.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8			ANT 7+8		
				632333 3485.0 MHz	633332 3500.0 MHz	634333 3515.0 MHz	632333 3485.0 MHz	633332 3500.0 MHz	634333 3515.0 MHz
70.0	BPSK	1	0	28.20	28.24	28.16	28.16	28.04	28.27
		1	1	31.54	31.71	31.72	31.83	31.71	31.71
		1	187	31.27	31.26	31.57	31.88	31.58	31.77
		1	188	28.20	28.17	28.20	28.08	27.95	28.13
		90	45	31.59	31.43	31.69	31.81	31.87	31.88
		180	0	31.77	31.65	31.66	31.96	32.00	32.00
	QPSK	1	0	28.19	28.22	28.12	28.16	28.20	28.10
		1	1	31.44	31.67	31.63	31.68	31.83	31.85
		1	187	31.33	31.28	31.73	31.76	31.79	31.68
		1	188	28.22	28.14	28.26	28.29	28.08	28.06
		90	45	31.56	31.50	31.73	31.84	31.91	31.95
		180	0	31.28	31.25	31.23	31.45	31.49	31.49
	16QAM	1	0	28.28	28.28	28.27	28.21	27.97	28.09
		1	1	30.56	30.69	30.69	30.63	30.69	30.82
		1	187	30.57	30.60	30.71	30.65	30.64	30.46
		1	188	28.07	27.82	28.17	28.04	28.01	27.93
		90	45	31.27	31.23	31.26	31.30	31.35	31.37
		180	0	30.21	30.22	30.27	30.41	30.33	30.39
	64QAM	1	0	28.19	28.22	28.28	28.31	27.87	28.06
		1	1	29.14	29.16	29.18	29.32	29.08	29.17
		1	187	29.24	29.23	29.22	29.22	29.17	29.20
		1	188	28.08	28.12	28.22	28.20	27.88	28.26
		90	45	29.63	29.68	29.64	29.80	29.77	29.84
		180	0	29.69	29.77	29.68	29.87	29.83	29.88
	256QAM	1	0	27.22	27.21	27.22	26.93	27.00	27.16
		1	1	27.19	27.23	27.21	27.15	27.07	26.96
		1	187	27.19	27.18	27.24	27.15	27.12	27.09
		1	188	27.21	27.16	27.27	27.00	26.86	26.82
		90	45	27.65	27.72	27.69	27.74	27.78	27.79
		180	0	27.74	27.75	27.80	27.85	27.83	27.82

OUTPUT POWER FOR 5G NR n77 (80.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8			ANT 7+8		
				632666 3490.0 MHz	633332 3500.0 MHz	633998 3510.0 MHz	632666 3490.0 MHz	633332 3500.0 MHz	633998 3510.0 MHz
80.0	BPSK	1	0	28.15	28.27	28.16	28.17	28.25	28.22
		1	1	31.71	31.78	31.71	31.72	31.82	31.71
		1	215	31.71	31.73	31.70	31.70	31.77	31.77
		1	216	28.13	28.21	28.24	28.13	28.07	28.05
		108	54	31.86	31.77	31.78	31.83	31.87	31.89
		216	0	31.72	31.77	31.73	32.01	32.01	32.01
	QPSK	1	0	28.17	28.24	28.18	28.25	28.16	28.40
		1	1	31.73	31.72	31.69	31.74	31.80	31.85
		1	215	31.75	31.72	31.55	31.78	31.82	31.83
		1	216	28.28	28.21	28.22	28.17	28.15	28.15
		108	54	31.92	31.87	31.84	31.87	31.96	31.91
		216	0	31.17	31.25	31.19	31.47	31.50	31.52
	16QAM	1	0	28.28	28.12	28.28	27.86	28.16	28.27
		1	1	30.69	30.65	30.77	30.79	30.57	30.76
		1	215	30.70	30.69	30.71	30.68	30.68	30.60
		1	216	28.21	28.16	28.17	27.87	28.03	27.99
		108	54	31.19	31.19	31.19	31.22	31.35	31.33
		216	0	30.16	30.20	30.28	30.32	30.39	30.41
	64QAM	1	0	28.25	28.23	28.29	28.35	28.31	28.14
		1	1	29.23	29.13	29.24	29.10	29.18	29.33
		1	215	29.19	29.18	29.24	29.08	29.21	29.04
		1	216	28.19	28.13	28.27	28.13	28.08	28.07
		108	54	29.75	29.72	29.74	29.72	29.76	29.79
		216	0	29.64	29.65	29.64	29.85	29.88	29.89
	256QAM	1	0	27.26	27.26	27.24	27.11	27.46	27.21
		1	1	27.20	27.18	27.24	26.89	27.34	27.13
		1	215	27.25	27.27	27.12	26.99	27.28	27.15
		1	216	27.24	27.18	27.30	27.07	26.94	27.04
		108	54	27.69	27.79	27.65	27.68	27.81	27.78
		216	0	27.76	27.65	27.69	27.81	27.87	27.85

OUTPUT POWER FOR 5G NR n77 (90.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8			ANT 7+8		
				633000 3495.0 MHz	633332 3500.0 MHz	633666 3505.0 MHz	633000 3495.0 MHz	633332 3500.0 MHz	633666 3505.0 MHz
90.0	BPSK	1	0	28.25	28.21	28.25	28.23	28.22	28.17
		1	1	31.75	31.73	31.64	31.74	31.67	31.68
		1	243	31.70	31.68	31.64	31.69	31.70	31.74
		1	244	28.25	28.21	28.19	28.28	28.25	28.21
		120	60	31.83	31.78	31.78	32.00	32.00	32.00
	QPSK	243	0	31.66	31.73	31.70	31.63	31.75	31.68
		1	0	28.22	28.14	28.30	28.21	28.16	28.17
		1	1	31.74	31.65	31.70	31.77	31.72	31.76
		1	243	31.67	31.71	31.64	31.77	31.67	31.78
		1	244	28.22	28.25	28.23	28.18	28.24	28.22
	16QAM	120	60	31.84	31.86	31.92	31.45	31.44	31.39
		243	0	30.07	31.23	31.22	30.07	31.22	31.26
		1	0	28.24	28.26	28.15	28.30	28.21	28.20
		1	1	30.75	30.66	30.64	30.73	30.73	30.77
		1	243	30.65	30.68	30.68	30.74	30.68	30.66
	64QAM	1	244	28.25	28.28	28.24	28.20	28.18	28.18
		120	60	31.20	31.18	31.21	31.20	31.21	31.23
		243	0	30.27	30.21	30.24	30.18	30.20	30.23
		1	0	28.20	28.25	28.27	28.14	28.17	28.18
		1	1	29.19	29.27	29.21	29.19	29.25	29.21
	256QAM	1	243	29.21	29.15	29.25	29.22	29.18	29.27
		1	244	28.16	28.29	28.20	28.18	28.25	28.18
		120	60	29.63	29.70	29.66	29.78	29.68	29.68
		243	0	29.73	29.75	29.72	29.70	29.76	29.70
		1	0	27.15	27.24	27.22	27.28	27.18	27.26
		1	1	27.18	27.31	27.21	27.26	27.19	27.23
		1	243	27.26	27.20	27.15	27.24	27.22	27.14
		1	244	27.27	27.20	27.30	27.18	27.19	27.14
		120	60	27.67	27.68	27.69	27.68	27.69	27.73
		243	0	27.68	27.68	27.71	27.73	27.76	27.72

OUTPUT POWER FOR 5G NR n77 (100.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8			ANT 7+8		
				N/A	633332	N/A	N/A	633332	N/A
100.0	BPSK	1	0		28.19			27.75	
		1	1		31.77			31.20	
		1	271		31.55			31.29	
		1	272		28.23			27.77	
		135	67		31.80			31.60	
	QPSK	270	0		31.67			31.77	
		1	0		28.22			27.86	
		1	1		31.73			31.30	
		1	271		31.53			31.31	
		1	272		28.18			27.59	
	16QAM	135	67		31.88			31.62	
		270	0		31.21			31.00	
		1	0		28.19			28.43	
		1	1		30.69			30.87	
		1	271		30.81			30.90	
	64QAM	1	272		28.05			28.02	
		135	67		31.15			31.84	
		270	0		30.19			30.88	
		1	0		28.23			28.30	
		1	1		29.19			29.42	
	256QAM	1	271		29.21			29.60	
		1	272		28.18			28.41	
		135	67		29.72			30.29	
		270	0		29.73			30.42	
		1	0		27.14			27.21	
		1	1		27.31			27.67	
		1	271		27.24			27.45	
		1	272		27.27			27.20	
		135	67		27.80			28.25	
		270	0		27.70			28.37	

8.3. 5G NR n77 (FCC Part 27 3700-3980MHz, SISO)

Test Engineer ID:	27342	Test Date:	2025-12-30
-------------------	-------	------------	------------

OUTPUT POWER FOR 5G NR n77 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				647000	656000	665000	647000	656000	665000	647000	656000	665000	647000	656000	665000
10.0	BPSK	1	0	25.08	25.09	25.04	24.04	24.14	24.17	25.01	25.20	25.20	25.15	25.08	25.03
		1	1	28.68	28.55	28.73	27.75	27.72	27.57	28.69	28.62	28.45	28.73	28.70	28.70
		1	22	28.54	28.61	28.59	27.74	27.56	27.69	28.55	28.71	28.53	28.35	28.61	28.27
		1	23	25.24	25.03	25.08	24.07	24.05	24.20	25.15	25.15	25.19	25.22	25.25	25.23
		12	6	29.00	29.00	29.00	28.00	28.00	28.00	28.66	28.70	28.57	28.83	28.87	28.34
		24	0	28.53	28.60	28.60	27.67	27.59	27.56	28.54	28.58	28.63	28.57	28.71	28.63
	QPSK	1	0	25.03	25.11	25.21	24.06	24.12	24.17	25.10	25.12	25.13	25.17	25.21	25.07
		1	1	28.68	28.70	28.54	27.58	27.54	27.54	28.57	28.70	28.52	28.56	28.51	28.50
		1	22	28.58	28.74	28.55	27.71	27.72	27.66	28.73	28.57	28.48	28.51	28.54	28.52
		1	23	25.07	25.03	25.13	24.20	24.13	24.12	25.15	25.15	25.03	25.20	25.19	25.19
		12	6	28.96	28.99	28.98	27.98	27.98	27.96	28.75	28.69	28.55	28.85	28.91	28.71
		24	0	28.20	28.17	28.19	27.01	27.13	27.17	28.13	28.24	28.18	28.18	28.08	28.06
	16QAM	1	0	25.11	25.04	25.13	24.07	24.16	24.16	25.16	25.18	25.11	25.19	25.13	25.02
		1	1	27.58	27.66	27.58	26.55	26.61	26.71	27.65	27.60	27.52	27.72	27.73	27.57
		1	22	27.69	27.73	27.73	26.69	26.64	26.53	27.68	27.63	27.70	27.58	27.73	27.61
		1	23	25.19	25.18	25.12	24.24	24.07	24.25	25.20	25.07	25.09	25.07	25.16	25.08
		12	6	28.14	28.12	28.22	27.14	27.24	27.09	28.14	28.23	28.15	28.06	28.07	28.12
		24	0	27.06	27.05	27.07	26.09	26.16	26.10	27.08	27.02	27.22	27.24	27.20	27.20
	64QAM	1	0	25.08	25.12	25.13	24.15	24.18	24.06	25.19	25.25	25.07	25.10	25.05	25.12
		1	1	26.08	26.16	26.13	25.10	25.01	25.11	26.08	26.13	26.22	26.05	26.11	26.05
		1	22	26.14	26.09	26.03	25.14	25.22	25.17	26.22	26.12	26.24	26.11	26.18	26.02
		1	23	25.19	25.19	25.16	24.05	24.20	24.24	25.03	25.19	25.09	25.19	25.13	25.07
		12	6	26.51	26.66	26.67	25.70	25.54	25.66	26.73	26.71	26.75	26.66	26.71	26.65
		24	0	26.58	26.60	26.72	25.63	25.64	25.60	26.73	26.70	26.63	26.59	26.71	26.55
	256QAM	1	0	24.10	24.12	24.18	23.16	23.23	23.03	24.21	24.09	24.06	24.04	24.03	24.25
		1	1	24.07	24.14	24.25	23.15	23.24	23.05	24.20	24.06	24.25	24.23	24.02	24.09
		1	22	24.21	24.15	24.07	23.10	23.02	23.24	24.16	24.02	24.06	24.23	24.17	24.20
		1	23	24.15	24.13	24.02	23.08	23.02	23.15	24.04	24.14	24.14	24.03	24.21	24.15
		12	6	24.59	24.62	24.58	23.70	23.61	23.51	24.73	24.68	24.66	24.57	24.71	24.65
		24	0	24.52	24.65	24.62	23.62	23.56	23.68	24.64	24.59	24.71	24.58	24.56	24.68

OUTPUT POWER FOR 5G NR n77 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				647166	656000	664833	647166	656000	664833	647166	656000	664833	647166	656000	664833
15.0	BPSK	1	0	25.17	25.17	25.15	24.19	24.22	24.23	25.09	25.14	25.20	25.10	25.05	25.25
		1	1	28.56	28.56	28.70	27.62	27.65	27.47	28.73	28.63	28.58	28.57	28.71	28.49
		1	36	28.67	28.51	28.73	27.51	27.58	27.64	28.70	28.57	28.74	28.68	28.69	28.69
		1	37	25.24	25.14	25.10	24.09	24.16	24.17	25.02	25.07	25.17	25.15	25.19	25.18
		18	9	29.00	29.00	29.00	28.00	28.00	28.00	28.83	28.57	28.86	28.72	28.80	28.68
		36	0	28.74	28.60	28.62	27.63	27.56	27.54	28.58	28.74	28.58	28.58	28.68	28.58
	QPSK	1	0	25.09	25.15	25.11	24.05	24.01	24.20	25.18	25.11	25.16	25.25	25.09	25.18
		1	1	28.61	28.63	28.53	27.69	27.60	27.54	28.75	28.82	28.44	28.72	28.55	28.65
		1	36	28.65	28.62	28.64	27.59	27.54	27.56	28.66	28.68	28.70	28.70	28.65	28.60
		1	37	25.07	25.17	25.08	24.09	24.06	24.24	25.07	25.02	25.17	25.15	25.22	25.04
		18	9	28.99	28.96	28.98	27.97	27.97	27.99	28.83	28.76	28.62	28.69	28.92	28.81
		36	0	28.02	28.12	28.03	27.25	27.24	27.18	28.21	28.14	28.17	28.14	28.24	28.19
	16QAM	1	0	25.13	25.19	25.05	24.02	24.12	24.25	25.04	25.09	25.24	25.15	25.04	25.23
		1	1	27.70	27.56	27.56	26.73	26.70	26.41	27.73	27.53	27.73	27.57	27.61	27.65
		1	36	27.72	27.64	27.56	26.63	26.70	26.53	27.66	27.54	27.66	27.55	27.63	27.71
		1	37	25.08	25.02	25.16	24.13	24.07	24.21	25.13	25.08	25.11	25.12	25.09	25.24
		18	9	28.16	28.17	28.13	27.20	27.14	27.08	28.21	28.02	28.09	28.18	28.17	28.22
		36	0	27.22	27.07	27.03	26.21	26.23	26.08	27.01	27.22	27.20	27.12	27.07	27.05
	64QAM	1	0	25.15	25.24	25.19	24.20	24.12	24.15	25.20	25.02	25.20	25.17	25.18	25.11
		1	1	26.11	26.24	26.03	25.10	25.14	25.12	26.22	26.24	26.23	26.18	26.07	26.13
		1	36	26.21	26.03	26.13	25.11	25.17	25.23	26.06	26.24	26.03	26.16	26.17	26.12
		1	37	25.10	25.08	25.10	24.21	24.14	24.02	25.02	25.04	25.12	25.17	25.22	25.09
		18	9	26.69	26.63	26.56	25.71	25.75	25.59	26.67	26.61	26.61	26.73	26.57	26.67
		36	0	26.67	26.58	26.72	25.55	25.67	25.64	26.68	26.70	26.63	26.66	26.66	26.59
	256QAM	1	0	24.22	24.13	24.18	23.05	23.25	23.08	24.15	24.06	24.08	24.24	24.21	24.12
		1	1	24.17	24.25	24.06	23.17	23.19	23.11	24.12	24.05	24.06	24.13	24.15	24.24
		1	36	24.11	24.09	24.03	23.15	23.09	23.18	24.21	24.09	24.03	24.20	24.01	24.25
		1	37	24.16	24.24	24.03	23.06	23.20	23.07	24.23	24.02	24.07	24.10	24.13	24.08
		18	9	24.59	24.57	24.64	23.54	23.75	23.72	24.62	24.59	24.68	24.66	24.59	24.66
		36	0	24.68	24.57	24.57	23.71	23.73	23.66	24.58	24.67	24.69	24.66	24.58	24.51

OUTPUT POWER FOR 5G NR n77 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				647333	656000	664666	647333	656000	664666	647333	656000	664666	647333	656000	664666
20.0	BPSK	1	0	25.20	25.24	25.20	24.05	24.20	24.02	25.13	25.23	25.18	25.03	25.24	25.18
		1	1	28.62	28.61	28.54	27.64	27.60	27.67	28.56	28.54	28.71	28.44	28.12	28.47
		1	49	28.57	28.58	28.63	27.61	27.69	27.66	28.75	28.67	28.60	28.29	28.39	28.36
		1	50	25.02	25.02	25.06	24.22	24.19	24.03	25.13	25.17	25.05	25.24	25.12	25.06
		25	12	29.00	29.00	29.00	28.00	28.00	28.00	28.75	29.00	28.81	28.45	28.30	28.60
		50	0	28.71	28.73	28.65	27.53	27.69	27.57	28.73	28.62	28.71	28.64	28.56	28.56
	QPSK	1	0	25.18	25.12	25.25	24.18	24.18	24.25	25.10	25.13	25.14	25.16	25.23	25.07
		1	1	28.61	28.62	28.52	27.72	27.56	27.63	28.67	28.68	28.66	28.56	28.21	28.52
		1	49	28.67	28.62	28.52	27.63	27.73	27.67	28.75	28.65	28.54	28.36	28.44	28.50
		1	50	25.04	25.04	25.03	24.11	24.12	24.23	25.13	25.04	25.08	25.13	25.05	25.16
		25	12	28.96	28.96	28.97	27.96	27.96	27.96	28.96	28.96	28.85	28.49	28.82	28.76
		50	0	28.08	28.04	28.17	27.02	27.13	27.08	28.21	28.18	28.05	28.12	28.24	28.21
	16QAM	1	0	25.08	25.09	25.23	24.13	24.20	24.19	25.09	25.15	25.11	25.11	25.11	25.03
		1	1	27.58	27.53	27.68	26.72	26.51	26.73	27.69	27.58	27.60	27.49	27.72	27.62
		1	49	27.56	27.72	27.74	26.54	26.67	26.70	27.68	27.58	27.60	27.73	27.75	27.61
		1	50	25.23	25.14	25.19	24.18	24.23	24.14	25.03	25.23	25.16	24.97	25.08	25.03
		25	12	28.18	28.15	28.18	27.03	27.23	27.08	28.14	28.14	28.01	28.03	28.24	28.11
		50	0	27.03	27.18	27.23	26.04	26.07	26.02	27.25	27.24	27.05	27.10	27.10	27.12
	64QAM	1	0	25.24	25.01	25.20	24.08	24.04	24.02	25.03	25.16	25.01	25.08	25.06	25.04
		1	1	26.13	26.10	26.14	25.08	25.20	25.05	26.25	26.16	26.01	26.14	26.16	26.11
		1	49	26.12	26.21	26.13	25.24	25.21	25.18	26.22	26.18	26.11	26.05	26.25	26.24
		1	50	25.15	25.06	25.01	24.07	24.25	24.13	25.17	25.09	25.25	25.03	25.23	25.10
		25	12	26.66	26.54	26.57	25.68	25.63	25.60	26.59	26.61	26.61	26.52	26.73	26.52
		50	0	26.70	26.56	26.74	25.71	25.74	25.68	26.70	26.69	26.59	26.53	26.71	26.67
	256QAM	1	0	24.06	24.08	24.19	23.03	23.18	23.03	24.23	24.13	24.02	24.11	24.04	24.18
		1	1	24.16	24.12	24.04	23.10	23.25	23.06	24.14	24.08	24.06	24.02	24.13	24.16
		1	49	24.18	24.05	24.17	23.07	23.14	23.05	24.08	24.21	24.08	24.08	24.25	24.06
		1	50	24.05	24.05	24.09	23.17	23.09	23.06	24.25	24.07	24.17	24.03	24.25	24.06
		25	12	24.57	24.73	24.69	23.61	23.70	23.71	24.68	24.57	24.63	24.69	24.61	24.61
		50	0	24.60	24.55	24.69	23.74	23.62	23.67	24.59	24.60	24.57	24.70	24.66	24.63

OUTPUT POWER FOR 5G NR n77 (25.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				647500	656000	664500	647500	656000	664500	647500	656000	664500	647500	656000	664500
25.0	BPSK	1	0	25.15	25.24	25.09	24.03	24.01	24.18	25.22	25.22	25.08	25.16	25.02	25.04
		1	1	28.66	28.62	28.59	27.69	27.61	27.69	28.73	28.67	28.53	28.44	27.95	28.35
		1	63	28.57	28.61	28.69	27.68	27.56	27.74	28.66	28.58	28.75	28.61	28.42	28.14
		1	64	25.24	25.12	25.17	24.04	24.23	24.23	25.17	25.24	25.16	25.07	25.18	24.98
		32	16	29.00	29.00	29.00	28.00	28.00	28.00	29.00	29.00	29.00	28.55	28.28	28.54
		64	0	28.60	28.72	28.74	27.54	27.54	27.62	28.64	28.60	28.52	28.64	28.59	28.70
	QPSK	1	0	25.08	25.08	25.01	24.24	24.05	24.10	25.15	25.04	25.09	25.24	25.05	25.16
		1	1	28.68	28.69	28.52	27.65	27.64	27.55	28.67	28.75	28.58	28.51	28.14	28.11
		1	63	28.69	28.64	28.63	27.53	27.70	27.65	28.67	28.68	28.61	28.49	28.70	28.36
		1	64	25.18	25.19	25.19	24.07	24.14	24.18	25.04	25.24	25.17	25.07	25.20	25.21
		32	16	28.96	28.97	28.97	27.98	27.96	27.97	28.98	28.96	28.98	28.59	28.70	28.66
		64	0	28.16	28.01	28.12	27.09	27.15	27.13	28.15	28.22	28.11	28.08	28.23	28.04
	16QAM	1	0	25.13	25.01	25.03	24.12	24.14	24.20	25.09	25.19	25.23	25.13	24.94	25.04
		1	1	27.75	27.70	27.54	26.53	26.73	26.62	27.75	27.65	27.52	27.62	27.53	27.57
		1	63	27.71	27.63	27.55	26.67	26.74	26.57	27.68	27.64	27.69	27.52	27.70	27.71
		1	64	25.02	25.13	25.15	24.16	24.20	24.17	25.09	25.10	25.23	24.89	25.18	25.04
		32	16	28.02	28.11	28.05	27.05	27.23	27.10	28.13	28.17	28.18	28.01	28.17	28.03
		64	0	27.01	27.23	27.07	26.16	26.08	26.10	27.10	27.22	27.12	27.12	27.01	27.24
	64QAM	1	0	25.23	25.12	25.04	24.01	24.08	24.06	25.01	25.07	25.02	25.16	25.14	25.24
		1	1	26.22	26.08	26.25	25.02	25.17	25.23	26.14	26.06	26.09	26.14	26.20	26.05
		1	63	26.24	26.17	26.16	25.02	25.09	25.12	26.19	26.14	26.12	26.07	26.16	26.19
		1	64	25.21	25.10	25.05	24.09	24.09	24.24	25.23	25.01	25.18	25.05	25.14	25.03
		32	16	26.60	26.61	26.62	25.64	25.60	25.74	26.69	26.52	26.70	26.64	26.64	26.64
		64	0	26.52	26.54	26.71	25.57	25.53	25.67	26.69	26.66	26.63	26.73	26.70	26.53
	256QAM	1	0	24.23	24.11	24.08	23.15	23.22	23.21	24.21	24.01	24.13	24.02	24.23	24.15
		1	1	24.11	24.25	24.20	23.16	23.17	23.09	24.03	24.08	24.04	24.07	24.20	24.16
		1	63	24.14	24.05	24.09	23.25	23.19	23.13	24.06	24.02	24.16	24.05	24.04	24.19
		1	64	24.12	24.03	24.23	23.17	23.17	23.05	24.13	24.07	24.16	24.05	24.21	24.21
		32	16	24.74	24.60	24.59	23.56	23.75	23.57	24.54	24.75	24.75	24.66	24.52	24.63
		64	0	24.55	24.64	24.59	23.70	23.61	23.53	24.75	24.72	24.51	24.71	24.60	24.58

OUTPUT POWER FOR 5G NR n77 (30.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				647666	656000	664333	647666	656000	664333	647666	656000	664333	647666	656000	664333
30.0	BPSK	1	0	25.16	25.23	25.11	24.25	24.04	24.03	25.22	25.16	25.06	25.15	25.22	24.97
		1	1	28.74	28.62	28.66	27.69	27.60	27.59	28.54	28.59	28.70	28.73	28.58	27.95
		1	76	28.56	28.70	28.65	27.52	27.73	27.75	28.67	28.72	28.56	28.55	28.67	28.26
		1	77	25.17	25.02	25.05	24.17	24.02	24.10	25.14	25.25	25.06	25.23	25.20	25.18
		36	18	29.00	29.00	29.00	28.00	28.00	28.00	29.00	29.00	28.66	28.70	28.77	28.54
		75	0	28.67	28.72	28.72	27.71	27.71	27.71	28.67	28.74	28.61	28.70	28.60	28.71
	QPSK	1	0	25.16	25.08	25.07	24.01	24.03	24.12	25.07	25.25	25.15	25.09	25.02	25.08
		1	1	28.58	28.69	28.55	27.66	27.73	27.52	28.53	28.51	28.70	28.67	28.61	28.52
		1	76	28.57	28.65	28.66	27.53	27.67	27.56	28.53	28.70	28.75	28.67	28.65	28.67
		1	77	25.11	25.07	25.23	24.08	24.11	24.07	25.10	25.20	25.24	25.19	25.06	25.17
		36	18	28.96	28.96	28.97	27.96	27.97	27.97	28.97	28.96	28.73	28.71	28.71	28.61
		75	0	28.20	28.02	28.07	27.13	27.20	27.21	28.13	28.20	28.21	28.09	28.21	28.09
	16QAM	1	0	25.09	25.15	25.10	24.15	24.20	24.05	25.06	25.19	25.02	25.06	25.07	25.23
		1	1	27.65	27.57	27.52	26.59	26.64	26.73	27.52	27.75	27.73	27.57	27.71	27.67
		1	76	27.55	27.65	27.66	26.65	26.53	26.55	27.51	27.58	27.63	27.42	27.57	27.64
		1	77	25.22	25.03	25.17	24.04	24.15	24.03	25.16	25.03	25.08	25.05	25.24	25.02
		36	18	28.05	28.09	28.15	27.02	27.13	27.24	28.08	28.03	28.16	28.14	28.18	28.05
		75	0	27.16	27.24	27.05	26.08	26.15	26.13	27.17	27.18	27.10	27.21	27.06	27.11
	64QAM	1	0	25.18	25.19	25.12	24.20	24.12	24.11	25.25	25.12	25.13	24.95	25.03	25.14
		1	1	26.19	26.23	26.20	25.06	25.07	25.08	26.08	26.21	26.18	26.19	26.09	26.08
		1	76	26.22	26.18	26.16	25.10	25.03	25.17	26.12	26.19	26.10	26.19	26.16	26.23
		1	77	25.12	25.25	25.16	24.19	24.19	24.06	25.09	25.21	25.17	25.05	25.25	25.04
		36	18	26.51	26.65	26.64	25.73	25.56	25.70	26.64	26.51	26.53	26.55	26.68	26.72
		75	0	26.52	26.61	26.68	25.56	25.62	25.66	26.67	26.63	26.64	26.57	26.75	26.68
	256QAM	1	0	24.14	24.06	24.22	23.09	23.15	23.05	24.20	24.22	24.05	24.21	24.19	24.14
		1	1	24.21	24.16	24.21	23.22	23.07	23.14	24.09	24.15	24.06	24.04	24.05	24.12
		1	76	24.21	24.24	24.18	23.20	23.13	23.11	24.04	24.15	24.13	24.06	24.18	24.04
		1	77	24.08	24.09	24.19	23.08	23.06	23.03	24.16	24.13	24.24	24.17	24.09	24.20
		36	18	24.64	24.54	24.59	23.57	23.60	23.63	24.69	24.58	24.51	24.70	24.70	24.55
		75	0	24.74	24.58	24.69	23.70	23.67	23.69	24.53	24.73	24.59	24.53	24.51	24.67

OUTPUT POWER FOR 5G NR n77 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				648000	656000	664000	648000	656000	664000	648000	656000	664000	648000	656000	664000
40.0	BPSK	1	0	25.10	25.14	25.17	24.06	24.15	24.24	25.20	25.07	25.24	25.22	25.09	25.19
		1	1	28.56	28.68	28.72	27.58	27.60	27.63	28.69	28.66	28.68	28.51	27.99	28.04
		1	104	28.55	28.73	28.51	27.69	27.65	27.74	28.70	28.60	28.63	28.61	28.69	28.40
		1	105	25.13	25.09	25.13	24.23	24.04	24.06	25.17	25.08	25.09	25.16	25.21	25.17
		50	25	29.00	29.00	29.00	28.00	28.00	28.00	29.00	29.00	28.64	28.52	28.70	28.62
		100	0	28.74	28.66	28.69	27.74	27.69	27.56	28.57	28.54	28.72	28.69	28.56	28.68
	QPSK	1	0	25.18	25.18	25.07	24.15	24.20	24.08	25.05	25.01	25.06	25.16	25.23	25.02
		1	1	28.60	28.75	28.68	27.55	27.60	27.57	28.66	28.54	28.72	28.64	28.57	28.35
		1	104	28.72	28.72	28.71	27.74	27.56	27.57	28.55	28.56	28.69	28.58	28.73	28.67
		1	105	25.21	25.16	25.19	24.14	24.21	24.18	25.24	25.02	25.11	25.01	25.18	25.09
		50	25	28.98	28.98	28.99	27.96	27.95	27.96	28.96	28.99	28.74	28.66	28.83	28.73
		100	0	28.20	28.22	28.20	27.05	27.07	27.07	28.23	28.16	28.18	28.17	28.14	28.19
	16QAM	1	0	25.23	25.06	25.24	24.09	24.17	24.05	25.11	25.21	25.20	25.10	25.22	25.14
		1	1	27.52	27.55	27.74	26.51	26.65	26.67	27.54	27.72	27.74	27.58	27.66	27.58
		1	104	27.74	27.55	27.59	26.67	26.55	26.63	27.68	27.72	27.56	27.56	27.60	27.73
		1	105	25.17	25.13	25.07	24.12	24.19	24.05	25.21	25.20	25.12	25.24	25.04	25.11
		50	25	28.06	28.06	28.08	27.06	27.15	27.12	28.16	28.15	28.03	28.06	28.20	28.21
		100	0	27.08	27.25	27.24	26.03	26.20	26.22	27.20	27.24	27.15	27.17	27.15	27.11
	64QAM	1	0	25.07	25.19	25.24	24.13	24.11	24.14	25.11	25.05	25.20	25.08	25.09	25.07
		1	1	26.04	26.19	26.23	25.13	25.25	25.14	26.08	26.12	26.17	26.25	26.11	26.02
		1	104	26.10	26.13	26.01	25.05	25.14	25.12	26.19	26.24	26.19	26.23	26.18	26.25
		1	105	25.15	25.12	25.23	24.23	24.02	24.16	25.21	25.11	25.21	25.01	25.10	25.18
		50	25	26.74	26.74	26.52	25.61	25.73	25.65	26.52	26.55	26.54	26.67	26.74	26.69
		100	0	26.72	26.58	26.62	25.55	25.52	25.69	26.65	26.74	26.54	26.64	26.56	26.59
	256QAM	1	0	24.05	24.01	24.05	23.13	23.05	23.07	24.02	24.09	24.09	24.19	24.24	24.03
		1	1	24.06	24.07	24.04	23.20	23.22	23.04	24.23	24.12	24.02	24.08	24.09	24.04
		1	104	24.22	24.02	24.16	23.19	23.18	23.12	24.13	24.09	24.10	24.24	24.22	24.22
		1	105	24.13	24.22	24.03	23.02	23.05	23.17	24.03	24.14	24.04	24.06	24.05	24.12
		50	25	24.53	24.63	24.73	23.60	23.71	23.74	24.59	24.70	24.63	24.57	24.60	24.61
		100	0	24.52	24.52	24.52	23.51	23.53	23.59	24.66	24.67	24.56	24.58	24.62	24.73

OUTPUT POWER FOR 5G NR n77 (50.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				648333	656000	663666	648333	656000	663666	648333	656000	663666	648333	656000	663666
50.0	BPSK	1	0	25.07	25.20	25.03	24.24	24.16	24.16	25.08	25.04	25.12	25.08	25.07	24.89
		1	1	28.67	28.60	28.71	27.67	27.73	27.67	28.54	28.63	28.24	28.41	28.19	27.71
		1	131	28.73	28.60	28.64	27.73	27.55	27.74	28.69	28.75	28.60	28.57	28.57	28.15
		1	132	25.25	25.10	25.22	24.08	24.13	24.07	25.01	25.22	25.13	25.20	25.16	25.08
		64	32	29.00	29.00	29.00	28.00	28.00	28.00	29.00	29.00	28.63	28.61	28.56	28.47
		128	0	28.57	28.75	28.67	27.67	27.73	27.64	28.55	28.54	28.59	28.55	28.58	28.64
		1	0	25.10	25.25	25.23	24.14	24.03	24.13	25.09	25.13	25.17	25.12	25.16	24.85
		1	1	28.55	28.65	28.66	27.63	27.52	27.69	28.63	28.60	28.41	28.32	28.42	27.80
	QPSK	1	131	28.68	28.53	28.61	27.54	27.66	27.57	28.61	28.72	28.54	28.57	28.55	28.40
		1	132	25.11	25.12	25.23	24.25	24.16	24.20	25.23	25.16	25.23	25.17	25.25	25.22
		64	32	28.96	28.97	28.96	27.97	27.97	27.95	28.97	28.99	28.68	28.65	28.79	28.52
		128	0	28.20	28.04	28.16	27.23	27.22	27.21	28.25	28.13	28.15	28.20	28.04	28.12
		1	0	25.14	25.15	25.21	24.05	24.11	24.06	25.14	25.21	25.12	25.11	25.22	25.00
		1	1	27.52	27.57	27.56	26.74	26.68	26.69	27.55	27.62	27.65	27.56	27.57	27.55
		1	131	27.55	27.61	27.52	26.72	26.58	26.70	27.54	27.65	27.71	27.71	27.55	27.53
		1	132	25.22	25.23	25.09	24.08	24.20	24.21	25.08	25.13	25.04	24.86	25.02	25.09
	16QAM	64	32	28.09	28.02	28.15	27.13	27.22	27.04	28.22	28.25	28.13	28.17	28.10	28.08
		128	0	27.07	27.09	27.22	26.09	26.04	26.13	27.20	27.23	27.09	27.16	27.12	27.19
		1	0	25.12	25.20	25.06	24.24	24.16	24.08	25.13	25.21	25.02	25.20	25.25	25.16
		1	1	26.01	26.14	26.21	25.22	25.20	25.05	26.15	26.24	26.24	25.88	26.05	26.06
		1	131	26.24	26.08	26.15	25.24	25.04	25.13	26.17	26.10	26.05	26.24	26.16	26.03
		1	132	25.12	25.17	25.04	24.06	24.17	24.08	25.04	25.22	25.14	25.04	25.05	25.12
		64	32	26.74	26.75	26.66	25.74	25.61	25.57	26.51	26.64	26.68	26.68	26.60	26.63
		128	0	26.63	26.71	26.68	25.69	25.69	25.66	26.67	26.69	26.71	26.54	26.73	26.66
	64QAM	1	0	24.19	24.11	24.03	23.19	23.23	23.12	24.22	24.21	24.01	24.20	24.14	24.01
		1	1	24.02	24.07	24.16	23.22	23.01	23.11	24.03	24.06	24.03	24.09	24.19	23.88
		1	131	24.19	24.19	24.05	23.12	23.09	23.06	24.15	24.03	24.22	24.19	24.01	24.19
		1	132	24.06	24.21	24.18	23.14	23.12	23.21	24.13	24.15	24.25	24.04	24.24	24.04
		64	32	24.73	24.67	24.55	23.64	23.66	23.69	24.70	24.72	24.62	24.68	24.67	24.69
		128	0	24.73	24.67	24.54	23.52	23.66	23.72	24.62	24.59	24.63	24.53	24.73	24.53

OUTPUT POWER FOR 5G NR n77 (60.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				648666	656000	663333	648666	656000	663333	648666	656000	663333	648666	656000	663333
60.0	BPSK	1	0	25.14	25.04	25.19	24.06	24.20	24.02	25.05	25.06	25.23	25.21	25.03	25.05
		1	1	28.58	28.55	28.73	27.64	27.72	27.46	28.57	28.72	28.36	28.27	27.98	28.08
		1	160	28.70	28.73	28.65	27.64	27.56	27.70	28.61	28.58	28.70	28.24	28.66	28.45
		1	161	25.04	25.13	25.02	24.03	24.03	24.14	25.13	25.04	25.20	25.21	25.12	25.06
		81	40	29.00	29.00	29.00	28.00	28.00	28.00	29.00	29.00	28.41	28.08	28.54	28.25
		162	0	28.61	28.56	28.72	27.74	27.52	27.70	28.60	28.62	28.67	28.71	28.57	28.31
		1	0	25.23	25.08	25.13	24.24	24.01	24.03	25.14	25.02	25.07	25.10	25.06	25.07
		1	1	28.59	28.56	28.58	27.71	27.59	27.72	28.66	28.74	28.70	28.18	28.14	28.16
	QPSK	1	160	28.65	28.61	28.69	27.70	27.65	27.68	28.69	28.60	28.58	28.43	28.68	28.60
		1	161	25.11	25.15	25.23	24.22	24.01	24.20	25.08	25.22	25.16	25.13	25.18	25.08
		81	40	28.96	28.98	28.98	27.97	27.98	27.97	28.96	28.98	28.66	28.21	28.73	28.41
		162	0	28.16	28.01	28.20	27.18	27.25	27.11	28.24	28.08	28.10	28.24	28.03	28.09
		1	0	25.12	25.22	25.11	24.05	24.23	23.68	25.25	25.06	25.03	25.24	25.10	25.11
		1	1	27.69	27.64	27.55	26.70	26.66	26.51	27.58	27.73	27.56	27.47	27.61	27.40
		1	160	27.53	27.73	27.58	26.54	26.52	26.71	27.57	27.59	27.69	27.66	27.62	27.38
		1	161	25.03	25.14	25.17	24.03	24.04	24.25	25.18	25.17	25.17	25.14	25.06	25.22
	16QAM	81	40	28.14	28.22	28.17	27.16	27.24	27.06	28.25	28.18	28.09	28.05	28.02	28.21
		162	0	27.11	27.07	27.24	26.16	26.22	26.14	27.10	27.17	27.15	27.05	27.10	27.09
		1	0	25.22	25.11	25.17	24.10	24.23	24.08	25.13	25.12	25.17	25.21	25.08	24.65
		1	1	26.05	26.13	26.19	25.14	25.12	24.86	26.20	26.20	26.18	26.25	26.10	25.73
		1	160	26.10	26.13	26.14	25.02	25.12	25.24	26.08	26.13	26.25	26.21	26.02	26.10
		1	161	25.23	25.15	25.05	24.20	24.09	24.02	25.05	25.22	25.22	25.22	25.06	25.16
		81	40	26.68	26.56	26.63	25.53	25.73	25.55	26.56	26.68	26.60	26.62	26.74	26.74
		162	0	26.75	26.62	26.71	25.70	25.67	25.55	26.68	26.57	26.60	26.66	26.74	26.73
	64QAM	1	0	24.10	24.06	24.07	23.05	23.16	23.05	24.23	24.16	24.03	24.03	24.15	23.77
		1	1	24.25	24.20	24.02	23.24	23.24	23.06	24.20	24.09	24.20	24.23	24.12	24.03
		1	160	24.06	24.21	24.10	23.07	23.24	23.23	24.25	24.03	24.19	24.12	24.14	24.25
		1	161	24.07	24.03	24.14	23.21	23.21	23.03	24.05	24.14	24.16	24.20	24.03	24.19
		81	40	24.58	24.56	24.67	23.58	23.66	23.54	24.70	24.72	24.70	24.70	24.69	24.56
		162	0	24.71	24.56	24.58	23.56	23.68	23.56	24.55	24.67	24.69	24.71	24.63	24.51

OUTPUT POWER FOR 5G NR n77 (70.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				649000	656000	663000	649000	656000	663000	649000	656000	663000	649000	656000	663000
70.0	BPSK	1	0	3735.0	3840.0	3945.0	3735.0	3840.0	3945.0	3735.0	3840.0	3945.0	3735.0	3840.0	3945.0
		1	1	25.04	25.11	25.25	24.05	24.23	24.21	25.05	25.03	25.21	24.93	25.01	25.24
		1	1	28.68	28.59	28.72	27.74	27.65	27.70	28.67	28.59	28.49	27.80	28.70	28.20
		1	187	28.70	28.70	28.74	27.74	27.55	27.52	28.63	28.33	28.68	28.02	28.75	28.45
		1	188	25.25	25.14	25.09	24.23	24.09	24.18	25.11	25.05	25.20	25.25	25.20	25.19
		90	45	29.00	29.00	29.00	28.00	28.00	28.00	28.90	29.00	28.38	28.23	28.63	28.61
		180	0	28.59	28.75	28.72	27.63	27.74	27.70	28.74	28.52	28.69	28.29	28.68	28.49
		1	0	25.16	25.11	25.07	24.16	24.04	24.15	25.21	25.06	25.14	25.14	25.03	25.12
	QPSK	1	1	28.63	28.63	28.68	27.66	27.67	27.62	28.72	28.73	28.49	28.01	28.16	28.62
		1	187	28.62	28.56	28.51	27.52	27.71	27.60	28.53	28.52	28.56	28.72	28.59	28.60
		1	188	25.11	25.22	25.24	24.19	24.25	24.05	25.20	25.09	25.11	25.11	25.13	25.13
		90	45	28.96	28.97	28.98	27.97	27.98	27.96	28.96	28.96	28.53	28.71	28.71	28.62
		180	0	28.23	28.12	28.21	27.12	27.18	27.12	28.17	28.14	28.20	28.12	28.09	28.17
	16QAM	1	0	25.03	25.05	25.10	24.13	24.14	23.90	25.13	25.21	25.20	25.14	25.06	25.05
		1	1	27.70	27.62	27.59	26.56	26.61	26.60	27.58	27.57	27.72	27.55	27.52	27.72
		1	187	27.55	27.71	27.55	26.51	26.74	26.75	27.73	27.56	27.57	27.75	27.63	27.64
		1	188	25.23	25.16	25.10	24.11	24.04	24.20	25.07	25.05	25.03	25.25	25.18	25.15
		90	45	28.25	28.19	28.17	27.07	27.07	27.24	28.13	28.10	28.12	28.01	28.04	28.20
		180	0	27.13	27.06	27.22	26.18	26.17	26.12	27.21	27.04	27.23	27.12	27.08	27.05
		1	0	25.21	25.24	25.16	24.03	24.13	24.04	25.07	25.01	25.03	25.06	25.11	25.19
		1	1	26.05	26.13	26.15	25.24	25.16	24.63	26.10	26.05	26.07	26.21	26.06	26.19
	64QAM	1	187	26.02	26.19	26.17	25.12	25.08	25.14	26.20	26.01	26.02	26.12	26.15	26.12
		1	188	25.11	25.18	25.06	24.09	24.23	24.25	25.04	25.08	25.24	25.03	25.23	25.25
		90	45	26.67	26.55	26.68	25.61	25.72	25.72	26.69	26.63	26.67	26.70	26.64	26.55
		180	0	26.65	26.68	26.68	25.68	25.68	25.60	26.69	26.59	26.67	26.56	26.57	26.63
	256QAM	1	0	24.21	24.05	24.17	23.25	23.20	23.07	24.08	24.12	24.24	24.11	24.08	24.13
		1	1	24.08	24.14	24.15	23.12	23.11	23.12	24.06	24.15	24.19	24.25	24.20	24.23
		1	187	24.04	24.11	24.16	23.22	23.01	23.15	24.06	24.12	24.07	24.05	24.23	24.18
		1	188	24.09	24.18	24.04	23.12	23.09	23.24	24.17	24.05	24.16	24.03	24.11	24.16
		90	45	24.71	24.56	24.70	23.73	23.52	23.59	24.72	24.64	24.65	24.56	24.63	24.73
		180	0	24.66	24.55	24.56	23.61	23.70	23.61	24.71	24.53	24.70	24.58	24.57	24.73

OUTPUT POWER FOR 5G NR n77 (80.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				649333	656000	662666	649333	656000	662666	649333	656000	662666	649333	656000	662666
80.0	BPSK	1	0	3740.0	3840.0	3940.0	3740.0	3840.0	3940.0	3740.0	3840.0	3940.0	3740.0	3840.0	3940.0
		1	1	25.17	25.15	25.02	24.19	24.24	24.15	25.15	25.12	25.24	25.22	25.22	25.23
		1	1	28.71	28.60	28.63	27.58	27.56	27.64	28.57	28.71	28.62	28.32	28.72	28.49
		1	215	28.57	28.58	28.55	27.56	27.57	27.51	28.52	28.53	28.60	28.53	28.63	28.65
		1	216	25.12	25.08	25.03	24.04	24.06	24.14	25.14	25.13	25.14	25.03	25.17	25.08
		108	54	29.00	29.00	29.00	28.00	28.00	28.00	28.97	28.98	28.43	28.86	28.75	28.48
		216	0	28.55	28.72	28.53	27.61	27.67	27.68	28.52	28.61	28.50	28.73	28.65	28.47
		1	0	25.16	25.17	25.12	24.16	24.17	24.13	25.13	25.25	25.11	25.03	25.07	25.22
	QPSK	1	1	28.54	28.68	28.56	27.60	27.60	27.69	28.71	28.63	28.64	28.65	28.62	28.53
		1	215	28.57	28.58	28.75	27.60	27.57	27.54	28.73	28.68	28.62	28.70	28.72	28.67
		1	216	25.06	25.03	25.23	24.22	24.22	24.18	25.10	25.11	25.08	25.22	25.06	25.13
		108	54	28.98	28.98	28.97	27.98	27.97	27.98	28.98	28.98	28.47	28.92	28.77	28.66
		216	0	28.08	28.24	28.25	27.21	27.20	27.06	28.20	28.21	28.04	28.12	28.18	28.07
	16QAM	1	0	25.06	25.08	25.21	24.16	24.07	24.12	25.20	25.01	25.14	25.02	25.17	25.25
		1	1	27.56	27.60	27.63	26.61	26.70	26.51	27.57	27.60	27.58	27.63	27.60	27.54
		1	215	27.63	27.72	27.56	26.73	26.52	26.68	27.61	27.67	27.67	27.73	27.66	27.71
		1	216	25.12	25.23	25.16	24.16	24.19	24.24	25.10	25.08	25.05	25.07	25.22	25.13
		108	54	28.10	28.10	28.06	27.07	27.13	27.21	28.25	28.05	28.02	28.03	28.07	28.04
		216	0	27.21	27.22	27.15	26.04	26.03	26.07	27.24	27.14	27.23	27.23	27.07	27.14
		1	0	25.21	25.08	25.10	24.16	24.23	23.93	25.03	25.23	25.05	25.20	25.09	25.19
		1	1	26.03	26.09	26.12	25.18	25.07	24.93	26.15	26.07	26.08	26.14	26.12	26.24
	64QAM	1	215	26.13	26.24	26.21	25.17	25.11	25.14	26.24	26.03	26.08	26.03	26.02	26.16
		1	216	25.23	25.15	25.07	24.20	24.06	24.19	25.07	25.02	25.12	25.18	25.22	25.04
		108	54	26.63	26.62	26.54	25.55	25.51	25.63	26.58	26.71	26.55	26.75	26.52	26.56
		216	0	26.59	26.60	26.69	25.53	25.65	25.67	26.68	26.51	26.68	26.54	26.59	26.70
	256QAM	1	0	24.21	24.12	24.21	23.10	23.10	23.03	24.20	24.23	24.20	24.12	24.02	24.04
		1	1	24.15	24.19	24.14	23.18	23.07	23.21	24.12	24.20	24.13	24.24	24.20	24.04
		1	215	24.10	24.21	24.03	23.06	23.22	23.07	24.24	24.14	24.18	24.12	24.09	24.02
		1	216	24.21	24.05	24.11	23.11	23.16	23.13	24.18	24.03	24.25	24.11	24.09	24.18
		108	54	24.65	24.59	24.53	23.66	23.62	23.53	24.61	24.71	24.69	24.59	24.54	24.71
		216	0	24.56	24.75	24.70	23.64	23.56	23.66	24.74	24.60	24.57	24.74	24.55	24.51

OUTPUT POWER FOR 5G NR n77 (90.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				649666	656000	662333	649666	656000	662333	649666	656000	662333	649666	656000	662333
90.0	BPSK	1	0	3745.0	3840.0	3935.0	3745.0	3840.0	3935.0	3745.0	3840.0	3935.0	3745.0	3840.0	3935.0
		1	1	25.07	25.12	25.22	24.08	24.06	24.05	25.18	25.24	25.07	25.07	25.24	25.13
		1	243	28.68	28.67	28.53	27.74	27.57	27.52	28.55	28.51	28.58	28.52	28.66	28.63
		1	244	28.59	28.53	28.53	27.60	27.64	27.74	28.62	28.74	28.60	28.67	28.65	28.66
		120	60	25.24	25.24	25.05	24.11	24.03	24.21	25.22	25.05	25.19	25.22	25.24	25.06
		243	0	28.63	28.61	28.73	27.68	27.69	27.52	28.69	28.60	28.68	28.67	28.52	28.71
	QPSK	1	0	25.08	25.08	25.10	24.22	24.10	24.13	25.11	25.09	25.19	25.20	25.02	25.10
		1	1	28.68	28.61	28.55	27.63	27.60	27.72	28.53	28.73	28.59	28.66	28.47	28.59
		1	243	28.67	28.54	28.70	27.64	27.70	27.63	28.53	28.66	28.54	28.65	28.75	28.60
		1	244	25.08	25.23	25.11	24.19	24.08	24.16	25.20	25.02	25.03	25.06	25.14	25.15
		120	60	28.97	28.97	28.98	27.96	27.98	27.99	28.98	28.96	28.47	28.95	28.75	28.65
		243	0	28.04	28.07	28.18	27.12	27.09	27.16	28.25	28.19	28.22	28.21	28.08	28.22
	16QAM	1	0	25.23	25.11	25.14	24.03	24.17	24.13	25.24	25.15	25.01	25.18	25.01	25.12
		1	1	27.62	27.57	27.56	26.69	26.52	26.63	27.61	27.55	27.60	27.55	27.65	27.42
		1	243	27.56	27.64	27.60	26.65	26.24	26.68	27.64	27.51	27.66	27.52	27.58	27.70
		1	244	25.04	25.07	25.06	24.06	24.02	24.19	25.01	25.04	25.23	25.07	25.20	25.17
		120	60	28.12	28.10	28.05	27.14	27.07	27.05	28.21	28.11	28.20	28.02	28.09	28.07
		243	0	27.12	27.02	27.10	26.14	26.17	26.17	27.15	27.21	27.16	27.25	27.15	27.01
	64QAM	1	0	25.09	25.20	25.20	24.18	24.01	24.19	25.13	25.04	25.08	25.07	25.13	25.16
		1	1	26.12	26.21	26.19	25.12	25.11	25.14	26.21	26.21	26.21	26.09	26.20	26.24
		1	243	26.03	26.08	26.13	25.13	25.06	25.12	26.24	26.02	26.12	26.14	26.14	26.22
		1	244	25.08	25.04	25.02	24.12	24.12	24.05	25.06	25.11	25.15	25.09	25.16	25.21
		120	60	26.60	26.61	26.57	25.51	25.57	25.60	26.70	26.55	26.65	26.52	26.54	26.55
		243	0	26.67	26.70	26.60	25.58	25.57	25.75	26.66	26.51	26.73	26.53	26.53	26.60
	256QAM	1	0	24.03	24.19	24.05	23.11	23.25	23.19	24.20	24.04	24.20	24.04	24.19	24.11
		1	1	24.18	24.08	24.22	23.04	23.25	23.14	24.24	24.16	24.22	24.21	24.23	24.24
		1	243	24.18	24.17	24.24	23.16	23.15	23.10	24.21	24.08	24.06	24.17	24.02	24.04
		1	244	24.08	24.08	24.18	23.08	23.16	23.09	24.15	24.10	24.17	24.10	24.18	24.07
		120	60	24.59	24.62	24.67	23.57	23.52	23.70	24.61	24.66	24.56	24.73	24.71	24.70
		243	0	24.66	24.72	24.62	23.74	23.71	23.53	24.63	24.73	24.55	24.61	24.69	24.53

OUTPUT POWER FOR 5G NR n77 (100.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 4			ANT 9			ANT 8		
				650000	656000	662000	650000	656000	662000	650000	656000	662000	650000	656000	662000
100.0	BPSK	1	0	3750.0	3840.0	3930.0	3750.0	3840.0	3930.0	3750.0	3840.0	3930.0	3750.0	3840.0	3930.0
		1	1	25.21	25.12	25.24	24.07	24.11	24.23	25.12	25.05	25.12	25.05	25.13	25.06
		1	271	28.69	28.75	28.71	27.55	27.63	27.55	28.63	28.56	28.52	28.34	28.03	28.03
		1	272	28.58	28.66	28.56	27.75	27.48	27.58	28.66	28.40	28.55	28.68	28.13	28.06
		135	67	25.04	25.07	25.10	24.05	24.06	24.13	25.12	25.16	25.23	25.02	25.23	24.82
		270	0	28.74	28.69	28.69	27.52	27.64	27.70	28.64	28.66	28.56	28.53	28.38	28.37
	QPSK	1	0	25.19	25.07	25.04	24.21	24.16	24.03	25.11	25.24	25.12	25.03	25.22	25.14
		1	1	28.54	28.66	28.55	27.71	27.62	27.55	28.60	28.69	28.51	28.47	27.94	28.32
		1	271	28.70	28.56	28.68	27.72	27.54	27.55	28.63	28.39	28.70	28.59	27.95	28.30
		1	272	25.10	25.01	25.02	24.07	24.14	24.16	25.23	25.21	25.16	25.18	24.67	25.12
		135	67	28.96	28.98	28.96	27.97	27.97	27.97	28.95	28.97	28.53	28.81	28.30	28.39
		270	0	28.02	28.18	28.10	27.22	27.06	27.17	28.19	28.07	28.09	28.11	28.25	28.25
	16QAM	1	0	25.24	25.05	25.21	24.17	24.09	24.24	25.14	25.13	25.22	25.11	24.86	25.25
		1	1	27.55	27.60	27.63	26.57	26.66	26.61	27.61	27.63	27.62	27.73	27.75	27.74
		1	271	27.75	27.71	27.31	26.70	26.60	26.55	27.67	27.70	27.75	27.57	27.12	27.31
		1	272	25.09	25.14	25.05	24.20	23.97	23.90	25.15	25.10	25.22	25.25	24.79	24.57
		135	67	28.21	28.22	28.10	27.18	27.16	27.02	28.08	28.16	28.05	28.11	28.16	28.04
		270	0	27.15	27.20	27.01	26.18	26.10	26.05	27.19	27.05	27.20	27.17	27.08	27.06
	64QAM	1	0	25.23	25.19	25.22	24.04	24.16	24.21	25.13	25.13	25.22	25.12	25.19	25.01
		1	1	26.13	26.02	26.20	25.03	25.10	25.05	26.06	26.11	26.14	26.02	26.25	26.12
		1	271	26.19	26.02	26.11	25.11	24.75	25.07	26.22	26.01	26.17	26.22	26.10	25.75
		1	272	25.07	25.23	25.24	24.14	24.02	24.06	25.13	25.24	25.21	25.10	25.17	24.94
		135	67	26.57	26.51	26.62	25.51	25.64	25.63	26.65	26.64	26.66	26.70	26.64	26.61
		270	0	26.72	26.71	26.56	25.57	25.72	25.55	26.75	26.61	26.52	26.59	26.63	26.65
	256QAM	1	0	24.06	24.18	24.01	23.02	23.13	23.09	24.13	24.25	24.24	24.11	24.10	23.99
		1	1	24.22	24.16	24.18	23.24	23.18	23.20	24.01	24.03	24.02	24.18	24.09	23.97
		1	271	24.11	24.14	24.01	23.17	23.07	23.03	24.05	24.22	24.03	24.09	23.64	24.11
		1	272	24.03	24.23	24.17	23.09	23.13	23.22	24.16	24.23	24.08	24.07	23.91	23.92
		135	67	24.75	24.72	24.69	23.70	23.72	23.72	24.58	24.54	24.67	24.54	24.54	24.59
		270	0	24.57	24.72	24.71	23.56	23.68	23.58	24.64	24.65	24.51	24.54	24.74	24.65

8.4. 5G NR n77 (FCC Part 27 3700-3980MHz, MIMO)

Test Engineer ID:	32894	Test Date:	2026-01-14
-------------------	-------	------------	------------

OUTPUT POWER FOR 5G NR n77 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8			ANT 7+8		
				647000 3705.0 MHz	656000 3840.0 MHz	665000 3975.0 MHz	647000 3705.0 MHz	656000 3840.0 MHz	665000 3975.0 MHz
10.0	BPSK	1	0	28.30	28.25	28.14	28.14	28.27	28.19
		1	1	31.74	31.72	31.76	31.74	31.67	31.70
		1	22	31.67	31.75	31.77	31.79	31.71	31.74
		1	23	28.16	28.18	28.21	28.23	28.22	28.20
		12	6	32.00	32.00	31.78	31.95	32.00	31.99
		24	0	31.78	31.67	30.57	31.66	31.72	30.57
	QPSK	1	0	28.19	28.26	28.27	28.20	28.14	28.18
		1	1	31.79	31.79	31.70	31.72	31.64	31.69
		1	22	31.73	31.70	31.71	31.75	31.71	31.70
		1	23	28.18	28.14	28.28	28.24	28.20	28.17
		12	6	31.61	31.57	31.50	31.45	31.85	31.84
		24	0	30.01	31.29	29.52	29.98	31.23	29.61
	16QAM	1	0	28.16	28.20	28.20	28.14	28.29	28.21
		1	1	30.73	30.72	30.78	30.73	30.78	30.72
		1	22	30.78	30.80	30.78	30.72	30.70	30.75
		1	23	28.15	28.14	28.30	28.23	28.17	28.25
		12	6	31.21	31.17	31.23	31.26	31.25	31.17
		24	0	30.17	30.23	30.15	30.21	30.26	30.25
	64QAM	1	0	28.23	28.20	28.26	28.25	28.25	28.21
		1	1	29.22	29.19	29.21	29.23	29.20	29.26
		1	22	29.29	29.25	29.17	29.15	29.20	29.31
		1	23	28.18	28.27	28.23	28.24	28.24	28.22
		12	6	29.70	29.74	29.68	29.80	29.65	29.74
		24	0	29.65	29.70	29.70	29.70	29.68	29.68
	256QAM	1	0	27.26	27.13	27.19	27.19	27.20	27.17
		1	1	27.26	27.19	27.17	27.22	27.23	27.25
		1	22	27.17	27.21	27.21	27.24	27.23	27.28
		1	23	27.23	27.24	27.18	27.22	27.23	27.26
		12	6	27.72	27.72	27.72	27.73	27.71	27.75
		24	0	27.73	27.71	27.71	27.68	27.76	27.71

OUTPUT POWER FOR 5G NR n77 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8			ANT 7+8		
				647166 3707.5 MHz	656000 3840.0 MHz	664833 3972.5 MHz	647166 3707.5 MHz	656000 3840.0 MHz	664833 3972.5 MHz
15.0	BPSK	1	0	28.21	28.19	28.13	28.25	28.24	28.26
		1	1	31.64	31.73	31.64	31.69	31.72	31.77
		1	36	31.73	31.66	31.77	31.68	31.72	31.67
		1	37	28.20	28.21	28.23	28.23	28.26	28.29
		18	9	32.00	32.00	31.75	32.00	32.00	32.00
		36	0	31.75	31.74	31.70	31.72	31.77	31.73
	QPSK	1	0	28.18	28.14	28.23	28.27	28.19	28.22
		1	1	31.71	31.68	31.73	31.73	31.73	31.75
		1	36	31.74	31.69	31.64	31.73	31.68	31.69
		1	37	28.17	28.29	28.15	28.15	28.21	28.24
		18	9	31.44	31.86	31.47	31.38	31.24	31.71
		36	0	31.22	31.23	29.97	31.25	31.27	30.11
	16QAM	1	0	28.17	28.20	28.21	28.25	28.21	28.22
		1	1	30.70	30.74	30.78	30.70	30.70	30.67
		1	36	30.75	30.66	30.69	30.67	30.73	30.77
		1	37	28.25	28.25	28.17	28.23	28.24	28.23
		18	9	31.22	31.18	31.20	31.22	31.27	31.23
		36	0	30.31	30.16	30.27	30.17	30.29	30.21
	64QAM	1	0	28.25	28.24	28.25	28.23	28.31	28.23
		1	1	29.22	29.21	29.26	29.18	29.18	29.27
		1	36	29.28	29.19	29.24	29.15	29.18	29.22
		1	37	28.14	28.18	28.22	28.24	28.29	28.21
		18	9	29.76	29.67	29.75	29.71	29.74	29.70
		36	0	29.66	29.65	29.73	29.65	29.69	29.79
	256QAM	1	0	27.23	27.18	27.20	27.22	27.17	27.28
		1	1	27.25	27.24	27.25	27.23	27.22	27.22
		1	36	27.16	27.19	27.23	27.21	27.21	27.17
		1	37	27.22	27.20	27.26	27.20	27.27	27.24
		18	9	27.66	27.77	27.76	27.64	27.63	27.72
		36	0	27.71	27.76	27.64	27.70	27.66	27.70

OUTPUT POWER FOR 5G NR n77 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8			ANT 7+8		
				647333 3710.0 MHz	656000 3840.0 MHz	664666 3970.0 MHz	647333 3710.0 MHz	656000 3840.0 MHz	664666 3970.0 MHz
20.0	BPSK	1	0	28.22	28.26	28.24	28.19	28.23	28.18
		1	1	31.70	31.76	31.68	31.71	31.74	31.67
		1	49	31.74	31.76	31.65	31.72	31.75	31.71
		1	50	28.22	28.24	28.14	28.21	28.26	28.14
		25	12	32.00	32.00	31.79	32.00	32.00	32.00
		50	0	31.63	31.68	30.55	31.76	31.72	30.52
	QPSK	1	0	28.25	28.28	28.21	28.24	28.20	28.25
		1	1	31.70	31.74	31.72	31.70	31.74	31.69
		1	49	31.63	31.71	31.67	31.67	31.66	31.69
		1	50	28.26	28.21	28.18	28.24	28.18	28.21
		25	12	31.46	31.57	31.82	31.51	31.74	31.42
		50	0	31.18	31.21	29.65	31.24	31.21	29.63
	16QAM	1	0	28.24	28.16	28.28	28.28	28.26	28.18
		1	1	30.73	30.72	30.69	30.73	30.68	30.71
		1	49	30.71	30.77	30.74	30.73	30.67	30.71
		1	50	28.14	28.16	28.18	28.17	28.16	28.24
		25	12	31.28	31.30	31.15	31.21	31.23	31.13
		50	0	30.26	30.16	30.18	30.28	30.23	30.18
	64QAM	1	0	28.17	28.29	28.16	28.26	28.21	28.27
		1	1	29.27	29.16	29.23	29.23	29.23	29.28
		1	49	29.27	29.15	29.25	29.21	29.16	29.22
		1	50	28.25	28.16	28.19	28.17	28.26	28.22
		25	12	29.66	29.75	29.72	29.69	29.70	29.80
		50	0	29.76	29.68	29.74	29.74	29.77	29.71
	256QAM	1	0	27.24	27.27	27.26	27.26	27.22	27.26
		1	1	27.19	27.25	27.15	27.22	27.15	27.25
		1	49	27.22	27.22	27.17	27.25	27.24	27.20
		1	50	27.18	27.28	27.22	27.18	27.20	27.23
		25	12	27.71	27.68	27.65	27.80	27.77	27.76
		50	0	27.71	27.79	27.74	27.64	27.65	27.62

OUTPUT POWER FOR 5G NR n77 (25.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8			ANT 7+8		
				647500 3712.5 MHz	656000 3840.0 MHz	664500 3967.5 MHz	647500 3712.5 MHz	656000 3840.0 MHz	664500 3967.5 MHz
25.0	BPSK	1	0	28.20	28.21	28.24	28.20	28.21	28.25
		1	1	31.72	31.69	31.71	31.78	31.69	31.74
		1	63	31.68	31.79	31.58	31.79	31.71	31.73
		1	64	28.18	28.20	28.30	28.21	28.23	28.22
		32	16	32.00	32.00	31.81	32.00	32.00	32.00
		64	0	31.66	31.73	31.73	31.74	31.72	31.76
	QPSK	1	0	28.18	28.29	28.22	28.23	28.15	28.14
		1	1	31.69	31.66	31.71	31.72	31.76	31.76
		1	63	31.71	31.70	31.63	31.68	31.70	31.76
		1	64	28.29	28.17	28.26	28.21	28.26	28.21
		32	16	31.34	31.55	31.56	31.58	31.77	31.35
		64	0	31.18	31.25	31.26	31.24	31.22	31.18
	16QAM	1	0	28.24	28.24	28.17	28.30	28.25	28.14
		1	1	30.70	30.79	30.77	30.70	30.66	30.71
		1	63	30.73	30.66	30.66	30.74	30.72	30.72
		1	64	28.20	28.31	28.22	28.23	28.23	28.20
		32	16	31.22	31.21	31.16	31.19	31.26	31.20
		64	0	30.24	30.24	30.14	30.22	30.27	30.23
	64QAM	1	0	28.26	28.25	28.23	28.18	28.24	28.19
		1	1	29.24	29.17	29.20	29.18	29.23	29.21
		1	63	29.24	29.22	29.16	29.24	29.14	29.24
		1	64	28.13	28.21	28.22	28.17	28.26	28.18
		32	16	29.76	29.74	29.78	29.70	29.72	29.78
		64	0	29.73	29.64	29.75	29.73	29.70	29.69
	256QAM	1	0	27.30	27.16	27.20	27.18	27.24	27.16
		1	1	27.17	27.22	27.22	27.25	27.24	27.17
		1	63	27.24	27.14	27.07	27.20	27.19	27.29
		1	64	27.25	27.20	27.19	27.20	27.16	27.26
		32	16	27.73	27.72	27.67	27.65	27.73	27.71
		64	0	27.74	27.71	27.72	27.67	27.66	27.72

OUTPUT POWER FOR 5G NR n77 (30.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8			ANT 7+8		
				647666 3715.0 MHz	656000 3840.0 MHz	664333 3965.0 MHz	647666 3715.0 MHz	656000 3840.0 MHz	664333 3965.0 MHz
30.0	BPSK	1	0	28.18	28.21	28.30	28.22	28.21	28.24
		1	1	31.65	31.72	31.71	31.70	31.66	31.67
		1	76	31.68	31.66	31.65	31.76	31.65	31.77
		1	77	28.15	28.22	28.22	28.24	28.20	28.26
		36	18	32.00	32.00	31.78	31.86	32.00	32.00
		75	0	31.66	31.76	31.69	31.71	31.74	31.66
	QPSK	1	0	28.25	28.17	28.20	28.15	28.15	28.22
		1	1	31.73	31.68	31.71	31.69	31.69	31.77
		1	76	31.66	31.70	31.76	31.70	31.70	31.73
		1	77	28.23	28.16	28.25	28.21	28.14	28.18
		36	18	31.93	31.29	31.69	31.66	31.30	31.92
		75	0	31.28	31.19	31.21	31.28	31.29	31.25
	16QAM	1	0	28.15	28.25	28.20	28.21	28.21	28.26
		1	1	30.76	30.72	30.73	30.73	30.68	30.71
		1	76	30.70	30.72	30.72	30.75	30.70	30.75
		1	77	28.27	28.18	28.14	28.19	28.28	28.26
		36	18	31.21	31.18	31.13	31.27	31.29	31.17
		75	0	30.20	30.18	30.25	30.24	30.29	30.16
	64QAM	1	0	28.17	28.29	28.23	28.23	28.24	28.29
		1	1	29.21	29.17	29.21	29.16	29.26	29.18
		1	76	29.14	29.22	29.24	29.16	29.28	29.15
		1	77	28.18	28.15	28.21	28.26	28.28	28.20
		36	18	29.68	29.70	29.79	29.69	29.74	29.64
		75	0	29.73	29.80	29.79	29.64	29.74	29.72
	256QAM	1	0	27.28	27.20	27.22	27.20	27.22	27.22
		1	1	27.24	27.24	27.15	27.18	27.23	27.27
		1	76	27.20	27.23	27.30	27.19	27.16	27.22
		1	77	27.28	27.19	27.16	27.18	27.20	27.17
		36	18	27.71	27.73	27.74	27.73	27.62	27.68
		75	0	27.81	27.72	27.71	27.78	27.71	27.75

OUTPUT POWER FOR 5G NR n77 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8			ANT 7+8		
				648000 3720.0 MHz	656000 3840.0 MHz	664000 3960.0 MHz	648000 3720.0 MHz	656000 3840.0 MHz	664000 3960.0 MHz
40.0	BPSK	1	0	28.17	28.25	28.18	28.27	28.16	28.28
		1	1	31.74	31.71	31.73	31.69	31.69	31.74
		1	104	31.71	31.68	31.73	31.71	31.74	31.76
		1	105	28.21	28.16	28.20	28.15	28.16	28.21
		50	25	32.00	32.00	31.91	31.92	32.00	31.99
		100	0	31.75	31.65	31.73	31.68	31.75	31.77
	QPSK	1	0	28.27	28.26	28.27	28.19	28.23	28.22
		1	1	31.77	31.76	31.79	31.62	31.67	31.74
		1	104	31.73	31.77	31.79	31.73	31.70	31.80
		1	105	28.16	28.25	28.15	28.20	28.23	28.16
		50	25	31.52	31.55	31.64	31.91	31.84	31.69
		100	0	31.28	31.18	31.23	31.18	31.17	31.20
	16QAM	1	0	28.23	28.21	28.28	28.20	28.22	28.27
		1	1	30.69	30.70	30.76	30.70	30.66	30.64
		1	104	30.79	30.68	30.75	30.71	30.74	30.71
		1	105	28.15	28.15	28.26	28.25	28.20	28.25
		50	25	31.19	31.20	31.18	31.21	31.27	31.17
		100	0	30.19	30.31	30.19	30.22	30.21	30.22
	64QAM	1	0	28.26	28.14	28.13	28.18	28.22	28.21
		1	1	29.18	29.23	29.21	29.29	29.18	29.24
		1	104	29.19	29.16	29.25	29.22	29.17	29.16
		1	105	28.19	28.27	28.23	28.17	28.21	28.22
		50	25	29.64	29.67	29.73	29.77	29.75	29.71
		100	0	29.69	29.80	29.70	29.79	29.73	29.67
	256QAM	1	0	27.15	27.20	27.22	27.19	27.13	27.13
		1	1	27.14	27.27	27.15	27.26	27.17	27.21
		1	104	27.26	27.25	27.19	27.26	27.18	27.17
		1	105	27.23	27.19	27.22	27.16	27.26	27.24
		50	25	27.66	27.63	27.69	27.68	27.73	27.69
		100	0	27.75	27.70	27.65	27.75	27.72	27.71

OUTPUT POWER FOR 5G NR n77 (50.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8			ANT 7+8		
				648333	656000	663666	648333	656000	663666
50.0	BPSK	1	0	28.21	28.24	28.22	28.18	28.19	28.27
			1	31.66	31.71	31.72	31.67	31.68	31.71
			131	31.74	31.72	31.67	31.73	31.74	31.75
		64	132	28.23	28.17	28.29	28.15	28.20	28.26
			32	32.00	32.00	31.89	31.88	32.00	31.96
			128	0	30.49	30.51	30.61	31.76	30.62
	QPSK	1	0	28.22	28.25	28.20	28.18	28.21	28.17
			1	31.72	31.77	31.73	31.68	31.75	31.72
			131	31.69	31.71	31.69	31.74	31.64	31.70
		64	132	28.13	28.22	28.20	28.15	28.18	28.26
			32	31.74	31.29	31.76	31.78	31.53	31.75
			128	0	29.80	31.21	29.49	31.19	29.53
	16QAM	1	0	28.27	28.19	28.20	28.21	28.15	28.17
			1	30.71	30.74	30.71	30.76	30.77	30.72
			131	30.68	30.77	30.74	30.68	30.66	30.72
		64	132	28.21	28.29	28.21	28.22	28.30	28.23
			32	31.27	31.26	31.25	31.15	31.22	31.19
			128	0	30.17	30.18	30.20	30.29	30.28
	64QAM	1	0	28.27	28.16	28.23	28.14	28.25	28.19
			1	29.28	29.23	29.17	29.19	29.29	29.24
			131	29.20	29.18	29.14	29.16	29.24	29.26
		64	132	28.28	28.20	28.23	28.17	28.19	28.16
			32	29.72	29.76	29.70	29.76	29.77	29.73
			128	0	29.65	29.71	29.69	29.66	29.73
	256QAM	1	0	27.21	27.31	27.27	27.22	27.22	27.25
			1	27.22	27.28	27.16	27.19	27.28	27.20
			131	27.25	27.26	27.13	27.31	27.28	27.28
		64	132	27.28	27.21	27.28	27.21	27.13	27.23
			32	27.70	27.65	27.68	27.76	27.75	27.68
			128	0	27.73	27.70	27.72	27.69	27.71

OUTPUT POWER FOR 5G NR n77 (60.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8			ANT 7+8		
				648666	656000	663333	648666	656000	663333
60.0	BPSK	1	0	28.25	28.23	28.25	28.19	28.20	28.15
			1	31.70	31.73	31.76	31.80	31.65	31.69
		81	160	31.64	31.77	31.70	31.68	31.75	31.69
			40	28.21	28.17	28.22	28.21	28.23	28.27
			162	0	31.68	31.67	31.67	31.72	31.69
	QPSK	1	0	28.26	28.20	28.26	28.27	28.24	28.24
			1	31.70	31.70	31.80	31.65	31.77	31.75
		81	160	31.72	31.77	31.72	31.70	31.76	31.74
			40	28.23	28.16	28.28	28.25	28.18	28.24
			162	0	31.37	31.51	31.49	31.17	31.39
	16QAM	1	0	31.22	31.29	31.16	31.25	31.19	31.27
			1	28.16	28.17	28.28	28.25	28.18	28.21
			161	30.70	30.75	30.66	30.77	30.69	30.68
		81	160	30.67	30.74	30.65	30.74	30.67	30.75
			40	28.23	28.18	28.21	28.25	28.19	28.22
			162	0	31.23	31.24	31.13	31.21	31.19
	64QAM	1	0	30.17	30.29	30.17	30.23	30.21	30.28
			1	28.15	28.12	28.15	28.18	28.27	28.18
			161	29.26	29.21	29.15	29.20	29.16	29.14
		81	160	29.20	29.20	29.21	29.15	29.24	29.19
			40	28.23	28.18	28.20	28.22	28.30	28.17
			162	0	29.77	29.67	29.62	29.77	29.72
	256QAM	1	0	29.72	29.73	29.76	29.70	29.70	29.72
			1	27.26	27.21	27.13	27.27	27.22	27.21
			161	27.28	27.28	27.15	27.14	27.23	27.23
		81	160	27.18	27.12	27.22	27.25	27.26	27.24
			40	27.25	27.24	27.21	27.17	27.19	27.22
			162	0	27.72	27.67	27.67	27.77	27.69
		162	0	27.73	27.70	27.75	27.63	27.73	27.66

OUTPUT POWER FOR 5G NR n77 (70.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8			ANT 7+8		
				649000 3735.0 MHz	656000 3840.0 MHz	663000 3945.0 MHz	649000 3735.0 MHz	656000 3840.0 MHz	663000 3945.0 MHz
70.0	BPSK	1	0	28.22	28.23	28.23	28.21	28.27	28.21
		1	1	31.72	31.74	31.67	31.66	31.76	31.65
		1	187	31.70	31.67	31.71	31.74	31.71	31.70
		1	188	28.22	28.25	28.21	28.16	28.28	28.16
		90	45	32.00	32.00	31.87	32.00	32.00	32.00
		180	0	31.78	31.63	31.79	31.76	31.67	31.67
	QPSK	1	0	28.18	28.22	28.17	28.28	28.30	28.22
		1	1	31.71	31.69	31.75	31.66	31.72	31.69
		1	187	31.68	31.67	31.66	31.69	31.67	31.67
		1	188	28.22	28.18	28.23	28.20	28.29	28.17
		90	45	31.86	31.52	31.60	31.53	31.76	31.95
		180	0	31.22	31.24	31.22	31.21	31.13	31.17
	16QAM	1	0	28.20	28.21	28.27	28.22	28.28	28.18
		1	1	30.78	30.70	30.74	30.74	30.76	30.68
		1	187	30.63	30.79	30.70	30.72	30.77	30.64
		1	188	28.21	28.22	28.19	28.25	28.21	28.17
		90	45	31.19	31.26	31.21	31.18	31.17	31.22
		180	0	30.19	30.22	30.28	30.23	30.27	30.21
	64QAM	1	0	28.24	28.24	28.24	28.24	28.24	28.27
		1	1	29.16	29.16	29.20	29.22	29.17	29.18
		1	187	29.24	29.22	29.29	29.24	29.22	29.28
		1	188	28.23	28.21	28.17	28.13	28.17	28.19
		90	45	29.68	29.80	29.62	29.76	29.69	29.69
		180	0	29.72	29.68	29.70	29.75	29.74	29.80
	256QAM	1	0	27.20	27.22	27.28	27.28	27.23	27.23
		1	1	27.17	27.26	27.12	27.24	27.20	27.15
		1	187	27.18	27.25	27.21	27.26	27.16	27.24
		1	188	27.20	27.19	27.20	27.26	27.25	27.26
		90	45	27.63	27.78	27.72	27.65	27.74	27.68
		180	0	27.70	27.76	27.68	27.70	27.78	27.69

OUTPUT POWER FOR 5G NR n77 (80.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8			ANT 7+8		
				649333 3740.0 MHz	656000 3840.0 MHz	662666 3940.0 MHz	649333 3740.0 MHz	656000 3840.0 MHz	662666 3940.0 MHz
80.0	BPSK	1	0	28.22	28.24	28.25	28.20	28.19	28.20
		1	1	31.72	31.76	31.73	31.72	31.66	31.69
		1	215	31.78	31.66	31.75	31.69	31.71	31.76
		1	216	28.28	28.22	28.28	28.22	28.24	28.27
		108	54	32.00	32.00	31.97	32.00	32.00	32.00
		216	0	31.68	31.71	31.75	31.74	31.78	31.75
	QPSK	1	0	28.22	28.26	28.15	28.19	28.13	28.19
		1	1	31.68	31.76	31.74	31.69	31.73	31.75
		1	215	31.72	31.79	31.70	31.69	31.71	31.71
		1	216	28.16	28.18	28.22	28.22	28.14	28.27
		108	54	31.30	31.75	31.96	31.71	31.25	31.11
		216	0	31.22	31.12	31.19	31.21	31.16	31.27
	16QAM	1	0	28.27	28.17	28.23	28.14	28.22	28.25
		1	1	30.79	30.72	30.72	30.71	30.70	30.72
		1	215	30.71	30.71	30.75	30.71	30.77	30.62
		1	216	28.16	28.21	28.25	28.17	28.22	28.24
		108	54	31.31	31.24	31.20	31.28	31.28	31.22
		216	0	30.28	30.23	30.21	30.26	30.22	30.30
	64QAM	1	0	28.14	28.22	28.19	28.17	28.25	28.17
		1	1	29.22	29.28	29.16	29.20	29.22	29.21
		1	215	29.22	29.17	29.19	29.23	29.22	29.17
		1	216	28.24	28.20	28.18	28.19	28.19	28.19
		108	54	29.72	29.71	29.67	29.76	29.72	29.71
		216	0	29.71	29.68	29.64	29.72	29.75	29.75
	256QAM	1	0	27.26	27.23	27.14	27.24	27.26	27.18
		1	1	27.18	27.19	27.20	27.24	27.12	27.20
		1	215	27.25	27.16	27.21	27.20	27.27	27.16
		1	216	27.19	27.18	27.16	27.21	27.26	27.27
		108	54	27.73	27.70	27.69	27.77	27.67	27.64
		216	0	27.73	27.68	27.77	27.76	27.71	27.71

OUTPUT POWER FOR 5G NR n77 (90.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8			ANT 7+8		
				649666 3745.0 MHz	656000 3840.0 MHz	662333 3935.0 MHz	649666 3745.0 MHz	656000 3840.0 MHz	662333 3935.0 MHz
90.0	BPSK	1	0	28.17	28.15	28.20	28.26	28.21	28.30
		1	1	31.66	31.76	31.76	31.69	31.79	31.79
		1	243	31.70	31.64	31.70	31.71	31.75	31.78
		1	244	28.16	28.12	28.15	28.17	28.18	28.21
		120	60	32.00	32.00	32.00	32.00	32.00	32.00
		243	0	31.69	31.69	31.68	31.74	31.77	31.68
	QPSK	1	0	28.24	28.16	28.25	28.15	28.17	28.19
		1	1	31.65	31.69	31.69	31.64	31.72	31.74
		1	243	31.73	31.71	31.71	31.70	31.66	30.73
		1	244	28.24	28.26	28.20	28.29	28.20	28.27
		120	60	31.63	31.52	31.65	31.11	31.42	31.36
		243	0	29.99	31.24	31.23	29.97	31.19	31.21
	16QAM	1	0	28.16	28.17	28.21	28.29	28.20	28.20
		1	1	30.70	30.71	30.64	30.77	30.78	30.71
		1	243	30.67	30.80	30.68	30.73	30.74	30.70
		1	244	28.27	28.13	28.25	28.21	28.24	28.24
		120	60	31.25	31.21	31.25	31.17	31.28	31.06
		243	0	30.15	30.14	30.26	30.25	30.17	30.21
	64QAM	1	0	28.25	28.21	28.22	28.25	28.22	28.24
		1	1	29.25	29.30	29.28	29.17	29.19	29.29
		1	243	29.21	29.15	29.19	29.19	29.19	28.82
		1	244	28.16	28.27	28.21	28.14	28.25	27.49
		120	60	29.62	29.72	29.70	29.71	29.70	29.75
		243	0	29.75	29.72	29.78	29.74	29.74	29.75
	256QAM	1	0	27.22	27.21	27.21	27.23	27.19	27.23
		1	1	27.23	27.25	27.21	27.24	27.18	27.22
		1	243	27.20	27.19	27.16	27.26	27.17	27.17
		1	244	27.21	27.20	27.17	27.23	27.20	27.16
		120	60	27.68	27.74	27.70	27.66	27.78	27.70
		243	0	27.65	27.66	27.68	27.74	27.77	27.62

OUTPUT POWER FOR 5G NR n77 (100.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8			ANT 7+8		
				650000 3750.0 MHz	656000 3840.0 MHz	662000 3930.0 MHz	650000 3750.0 MHz	656000 3840.0 MHz	662000 3930.0 MHz
100.0	BPSK	1	0	28.29	28.25	28.19	28.27	28.25	28.21
		1	1	31.66	31.72	31.72	31.69	31.71	31.66
		1	271	31.75	31.75	31.40	31.73	31.69	31.72
		1	272	28.23	28.22	28.24	28.13	28.20	28.16
		135	67	32.00	32.00	32.00	32.00	32.00	32.00
		270	0	28.69	31.71	31.70	28.64	31.63	31.63
	QPSK	1	0	28.21	28.18	28.20	28.20	28.22	28.21
		1	1	31.77	31.71	31.73	31.64	31.75	31.75
		1	271	31.65	31.72	31.56	31.72	31.68	31.72
		1	272	28.26	28.19	28.30	28.26	28.15	28.20
		135	67	31.36	31.83	31.31	31.45	31.42	31.73
		270	0	27.53	31.17	31.16	27.68	31.16	31.27
	16QAM	1	0	28.22	28.19	28.21	28.21	28.26	28.21
		1	1	30.74	30.67	30.66	30.74	30.72	30.68
		1	271	30.76	30.71	30.70	30.71	30.71	30.70
		1	272	28.21	28.31	28.13	28.20	28.22	28.16
		135	67	31.17	31.14	31.26	31.18	31.19	31.22
		270	0	27.48	30.27	30.15	27.53	30.24	30.30
	64QAM	1	0	28.24	28.23	28.28	28.22	28.23	28.24
		1	1	29.23	29.22	29.13	29.28	29.22	29.27
		1	271	29.24	29.25	29.24	29.29	29.17	29.23
		1	272	28.23	28.25	28.26	28.22	28.25	28.15
		135	67	29.66	29.69	29.65	29.69	29.67	29.69
		270	0	27.50	29.74	29.71	27.47	29.72	29.72
	256QAM	1	0	27.24	27.21	27.21	27.21	27.24	27.17
		1	1	27.26	27.23	27.24	27.20	27.22	27.27
		1	271	27.20	27.26	27.23	27.24	27.23	27.19
		1	272	27.19	27.28	27.19	27.15	27.17	27.28
		135	67	27.71	27.72	27.69	27.68	27.76	27.67
		270	0	27.76	27.71	27.67	27.68	27.75	27.70

9. CONDUCTED TEST RESULTS

9.1. OCCUPIED BANDWIDTH

RULE PART(S)

FCC: §2.1049

LIMITS

For reporting purposes only.

TEST PROCEDURE

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

RESULTS

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

5G NR n77(FCC Part 27 3450-3550MHz)

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n77 (FCC Part 27 3450- 3550MHz)	10MHz, BPSK	24/0	3500.0	8.658	9.74
	10MHz, QPSK			8.610	9.74
	10MHz, 16QAM			8.682	9.85
	15MHz, BPSK	36/0		12.945	14.23
	15MHz, QPSK			12.926	14.17
	15MHz, 16QAM			12.946	14.13
	20MHz, BPSK	50/0		17.950	19.27
	20MHz, QPSK			17.931	19.27
	20MHz, 16QAM			17.974	19.26
	25MHz, BPSK	64/0		22.953	24.48
	25MHz, QPSK			22.950	24.53
	25MHz, 16QAM			23.021	24.48
	30MHz, BPSK	75/0		26.926	28.77
	30MHz, QPSK			26.921	28.80
	30MHz, 16QAM			26.995	28.76
	40MHz, BPSK	100/0		35.897	37.95
	40MHz, QPSK			35.859	38.13
	40MHz, 16QAM			35.904	38.13
	50MHz, BPSK	128/0		45.889	48.45
	50MHz, QPSK			45.795	48.55
	50MHz, 16QAM			45.953	48.53
	60MHz, BPSK	162/0		58.131	61.12
	60MHz, QPSK			57.928	61.04
	60MHz, 16QAM			58.129	61.21
	70MHz, BPSK	180/0		64.707	68.34
	70MHz, QPSK			64.435	68.46
	70MHz, 16QAM			64.679	68.49
	80MHz, BPSK	216/0		77.532	81.51
	80MHz, QPSK			77.443	81.54
	80MHz, 16QAM			77.548	81.59
	90MHz, BPSK	243/0		87.085	91.68
	90MHz, QPSK			87.046	91.67
	90MHz, 16QAM			87.165	91.88
	100MHz, BPSK	270/0		96.755	101.90
	100MHz, QPSK			96.763	101.90
	100MHz, 16QAM			96.823	102.00
	100MHz, BPSK	1/0		0.597	1.01

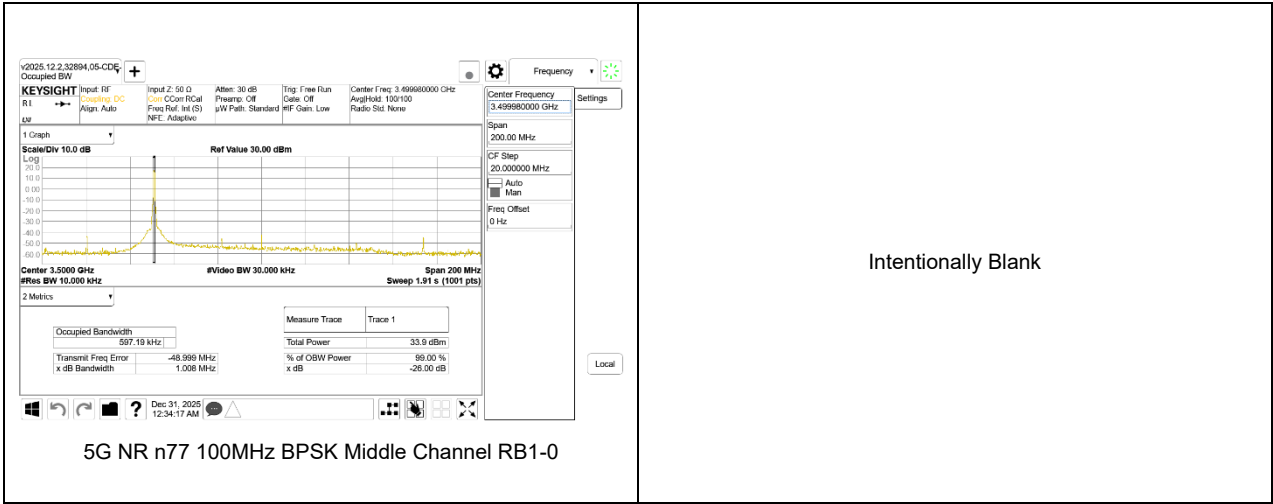
5G NR n77(FCC Part 27 3700-3980MHz)

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n77 (FCC Part 27 3700- 3980MHz)	10MHz, BPSK	24/0	3840.0	8.638	9.62
	10MHz, QPSK			8.592	9.56
	10MHz, 16QAM			8.620	9.60
	15MHz, BPSK	36/0		12.940	14.08
	15MHz, QPSK			12.914	14.12
	15MHz, 16QAM			12.943	13.99
	20MHz, BPSK	50/0		17.952	19.19
	20MHz, QPSK			17.947	19.19
	20MHz, 16QAM			17.952	19.19
	25MHz, BPSK	64/0		22.994	24.39
	25MHz, QPSK			22.971	24.40
	25MHz, 16QAM			22.980	24.47
	30MHz, BPSK	75/0		26.922	28.69
	30MHz, QPSK			26.931	28.64
	30MHz, 16QAM			26.997	28.60
	40MHz, BPSK	100/0		35.833	37.83
	40MHz, QPSK			35.795	37.93
	40MHz, 16QAM			35.887	37.98
	50MHz, BPSK	128/0		45.772	48.32
	50MHz, QPSK			45.766	48.34
	50MHz, 16QAM			45.974	48.34
	60MHz, BPSK	162/0		57.974	61.09
	60MHz, QPSK			57.935	60.95
	60MHz, 16QAM			58.052	61.07
	70MHz, BPSK	180/0		64.584	68.23
	70MHz, QPSK			64.343	68.12
	70MHz, 16QAM			64.538	68.96
	80MHz, BPSK	216/0		77.366	81.46
	80MHz, QPSK			77.130	81.39
	80MHz, 16QAM			77.544	81.47
	90MHz, BPSK	243/0		86.925	91.55
	90MHz, QPSK			86.756	91.47
	90MHz, 16QAM			86.921	91.48
	100MHz, BPSK	270/0		96.677	101.70
	100MHz, QPSK			96.355	101.70
	100MHz, 16QAM			96.730	101.80
	100MHz, BPSK	1/0		0.597	1.06

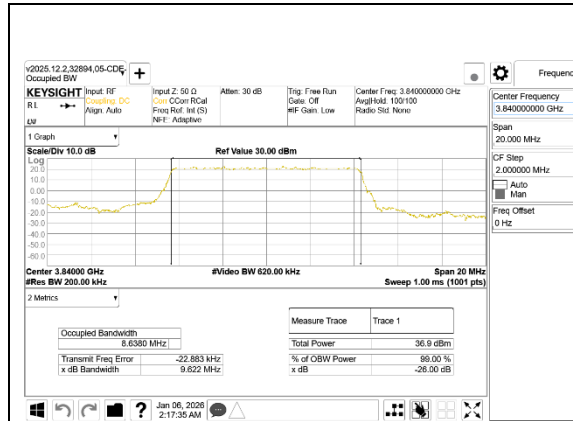
9.1.1. 5G NR n77 (FCC Part 27 3450-3550MHz)



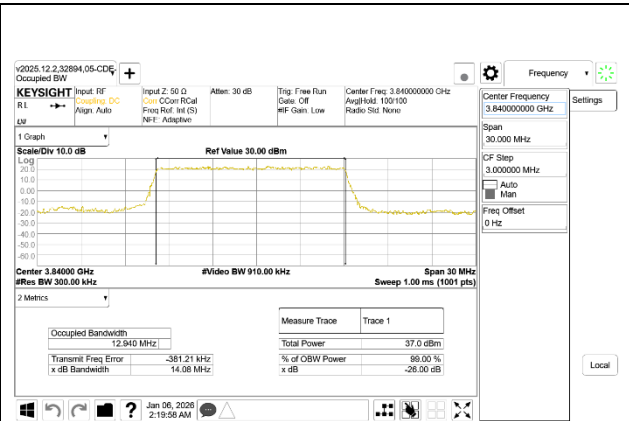




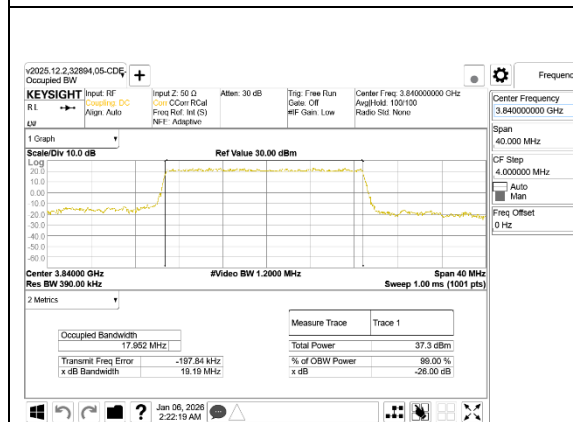
9.1.2. 5G NR n77 (FCC Part 27 3700-3980MHz)



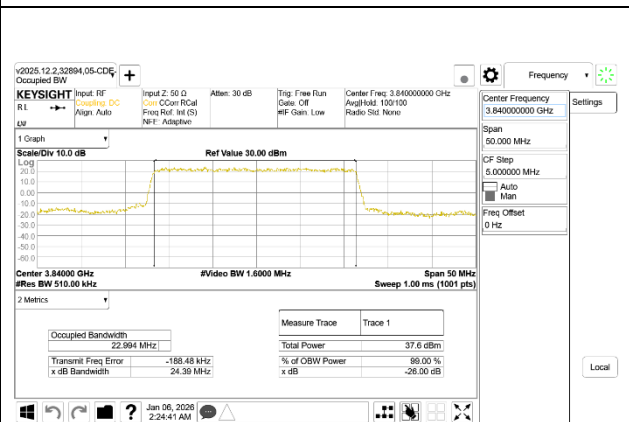
5G NR n77 10MHz BPSK Middle Channel RB24-0



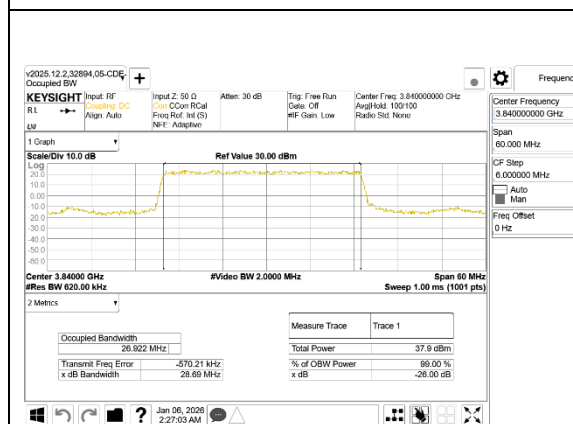
5G NR n77 15MHz BPSK Middle Channel RB36-0



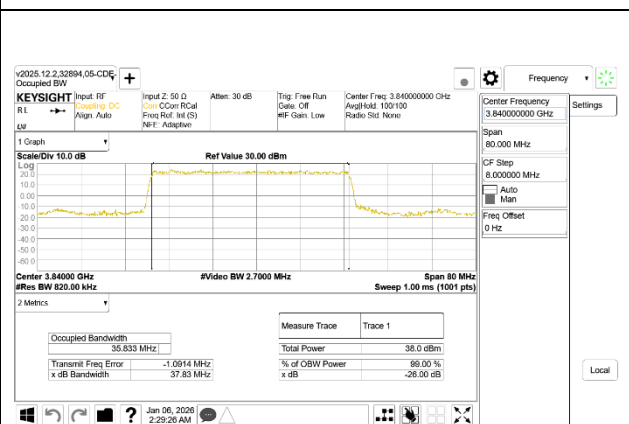
5G NR n77 20MHz BPSK Middle Channel RB50-0



5G NR n77 25MHz BPSK Middle Channel RB64-0

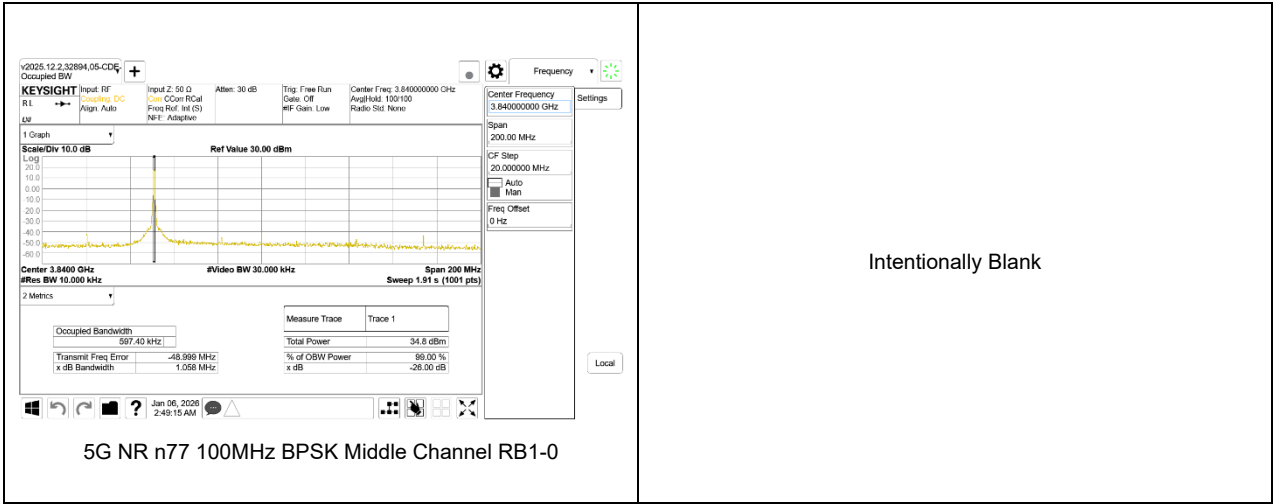


5G NR n77 30MHz BPSK Middle Channel RB75-0



5G NR n77 40MHz BPSK Middle Channel RB100-0





9.2. EMISSION MASK AND ADJACENT CHANNEL POWER

LIMITS

FCC: §27.53

(n) 3.45 GHz Service. The following emission limits apply to stations transmitting in the 3450-3550 MHz band:

(2) For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (n)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

FCC: §27.53

(l) 3.7 GHz Service. The following emission limits apply to stations transmitting in the 3700-3980 MHz band:

(2) For mobile operations in the 3700-3980 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph (l)(2) is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be either one percent of the emission bandwidth of the fundamental emission of the transmitter or 350 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

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.

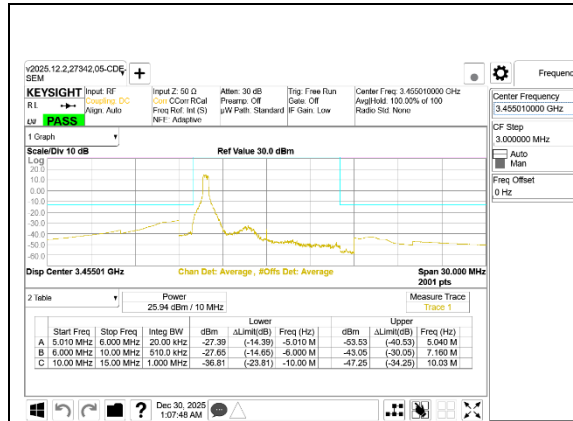
For each band edge measurement:

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 required limits.
4. Set resolution bandwidth to at least 1% of emission bandwidth.

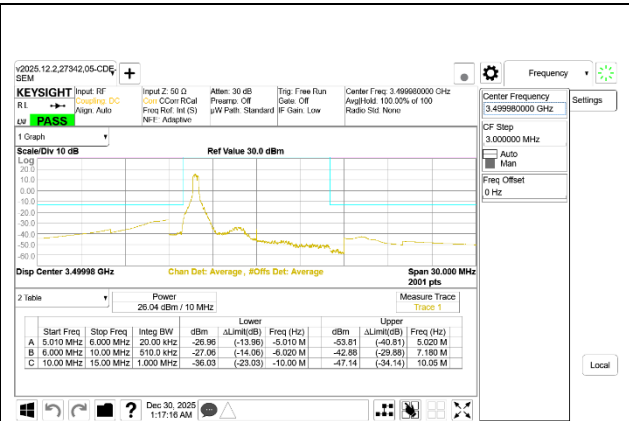
For MIMO modes are made using the measure and sum the spectra method E3)a)ii) / E)2)a) from KDB 662911 D01. The measurements for each antenna are stored in separate traces (i.e. trace 1/port A and trace 2/port B). The spectrum analyzer's math function is used to perform a linear sum of powers of the two traces and store the result in trace 3/port A+B). Trace 3/port A+B is compared to the in-band or out of band limit as applicable.

RESULTS

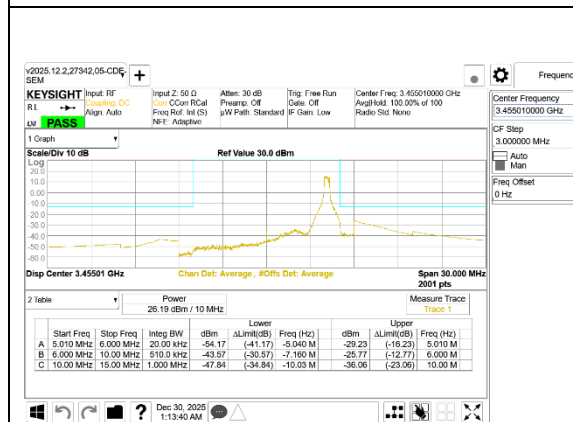
9.2.1. 5G NR n77 (FCC Part 27 3450-3550MHz, SISO)



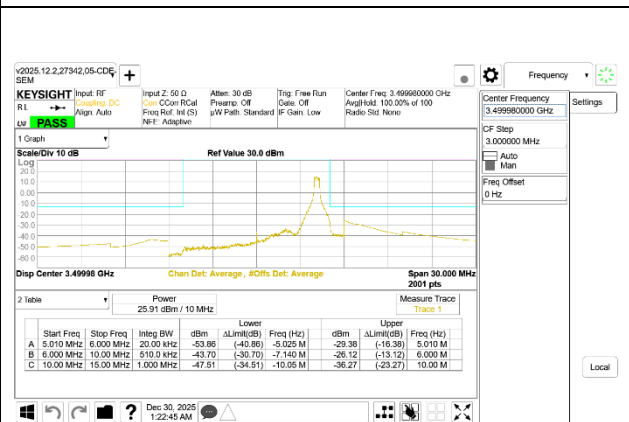
5G NR n77 10MHz BPSK Low Channel RB1-0



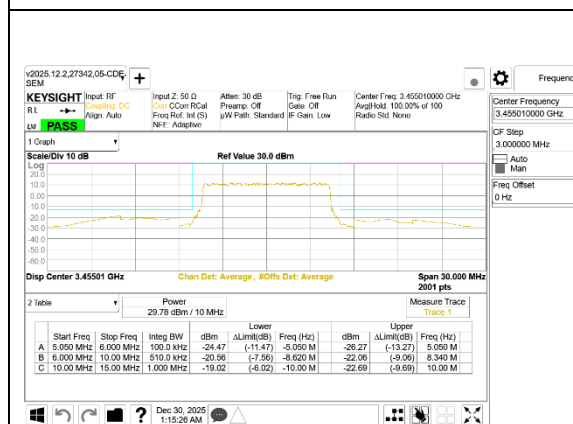
5G NR n77 10MHz BPSK Middle Channel RB1-0



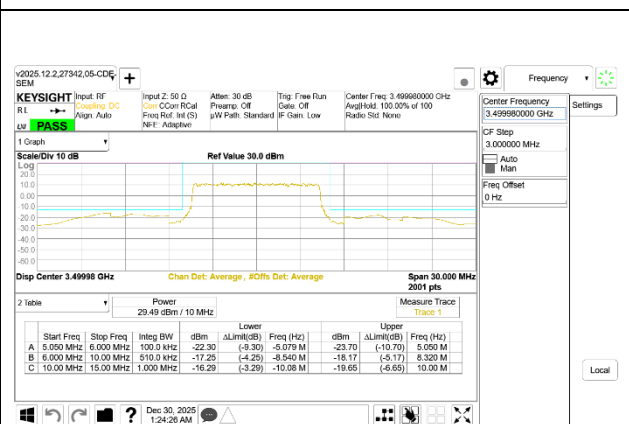
5G NR n77 10MHz BPSK Low Channel RB1-23



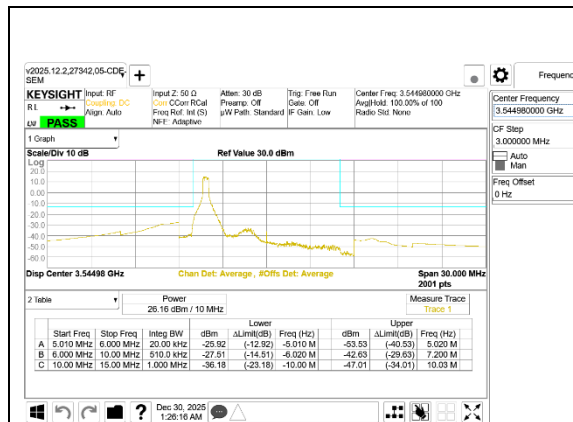
5G NR n77 10MHz BPSK Middle Channel RB1-23



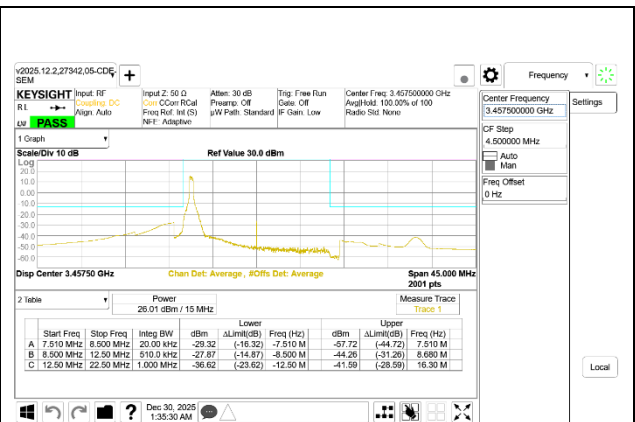
5G NR n77 10MHz BPSK Low Channel RB24-0



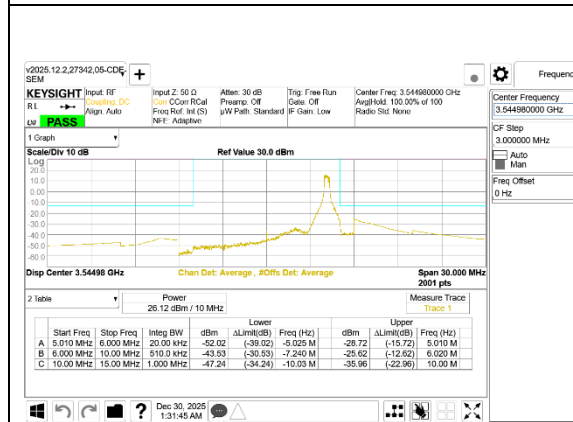
5G NR n77 10MHz BPSK Middle Channel RB24-0



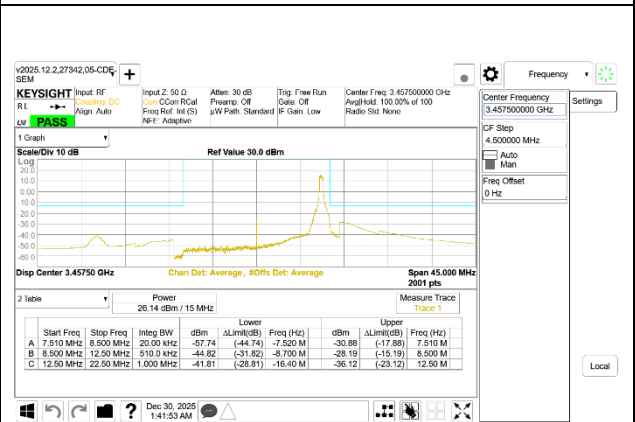
5G NR n77 10MHz BPSK High Channel RB1-0



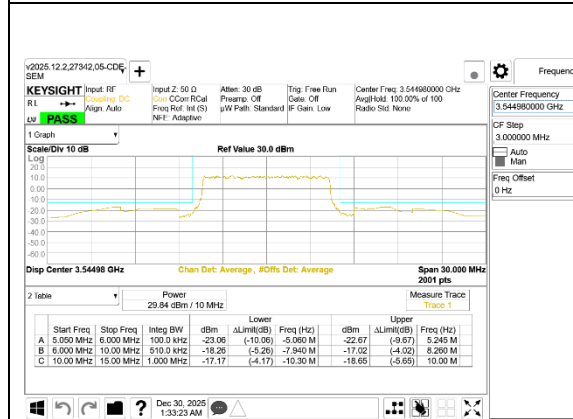
5G NR n77 15MHz BPSK Low Channel RB1-0



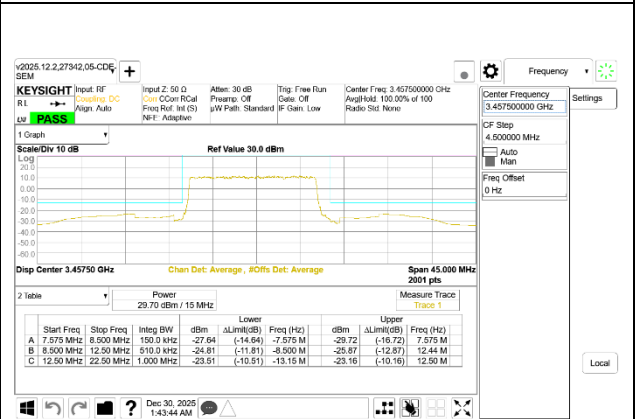
5G NR n77 10MHz BPSK High Channel RB1-23



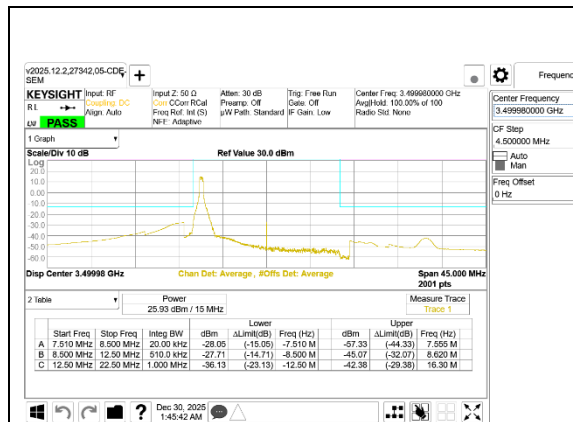
5G NR n77 15MHz BPSK Low Channel RB1-37



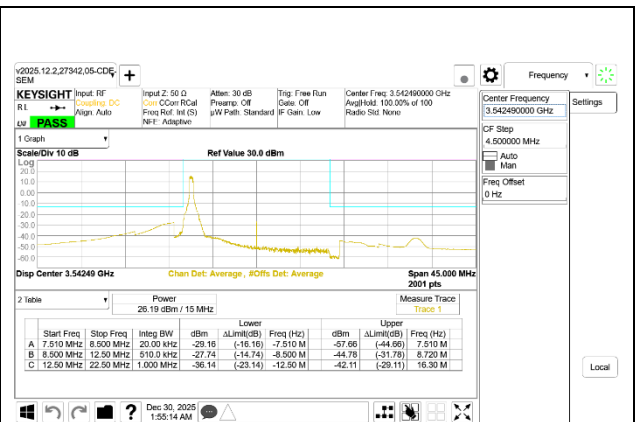
5G NR n77 10MHz BPSK High Channel RB24-0



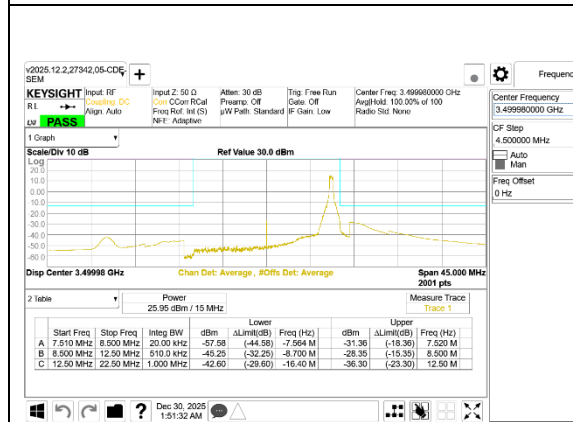
5G NR n77 15MHz BPSK Low Channel RB36-0



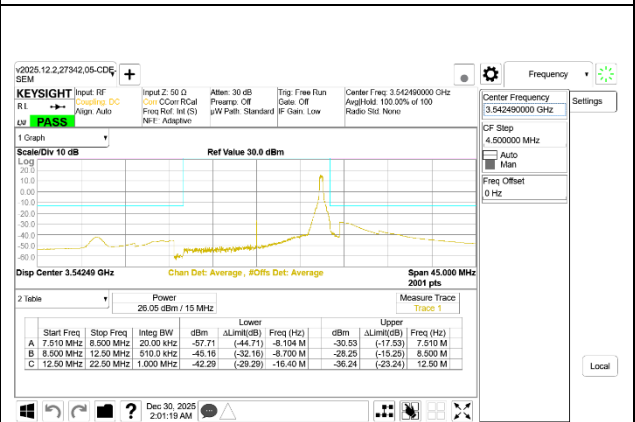
5G NR n77 15MHz BPSK Middle Channel RB1-0



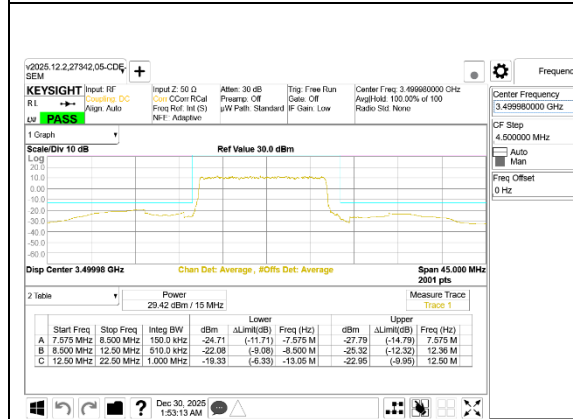
5G NR n77 15MHz BPSK High Channel RB1-0



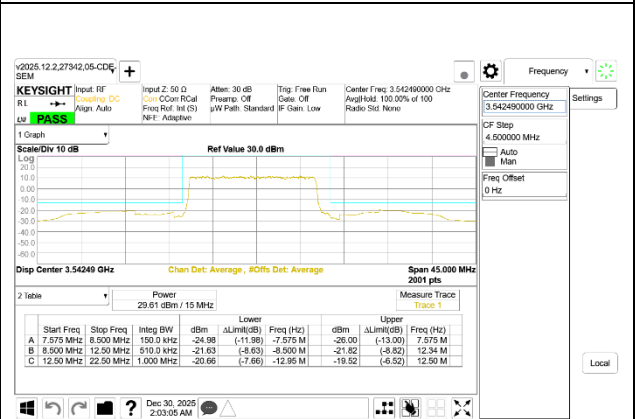
5G NR n77 15MHz BPSK Middle Channel RB1-37



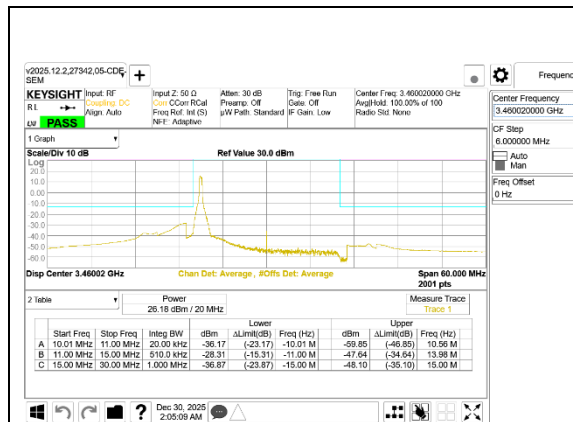
5G NR n77 15MHz BPSK High Channel RB1-37



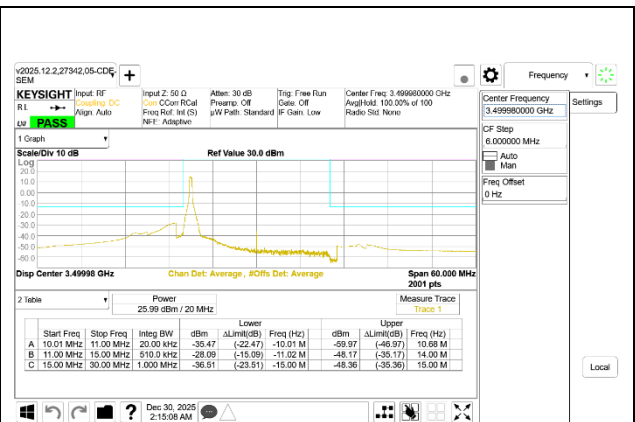
5G NR n77 15MHz BPSK Middle Channel RB36-0



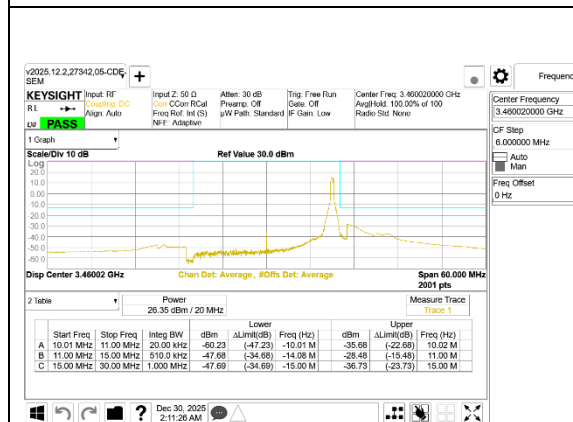
5G NR n77 15MHz BPSK High Channel RB36-0



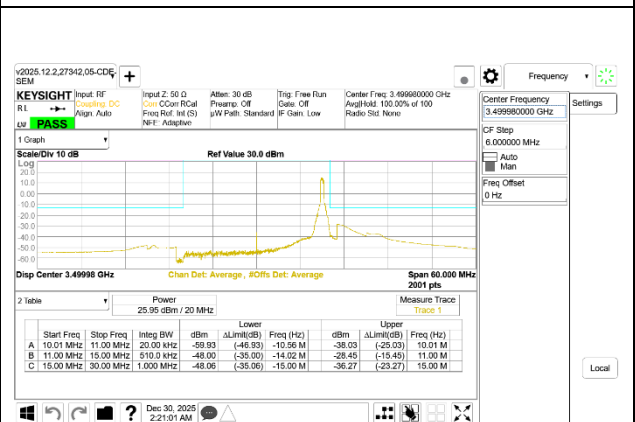
5G NR n77 20MHz BPSK Low Channel RB1-0



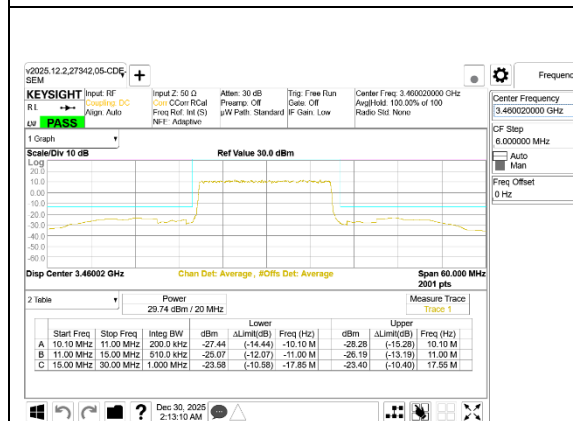
5G NR n77 20MHz BPSK Middle Channel RB1-0



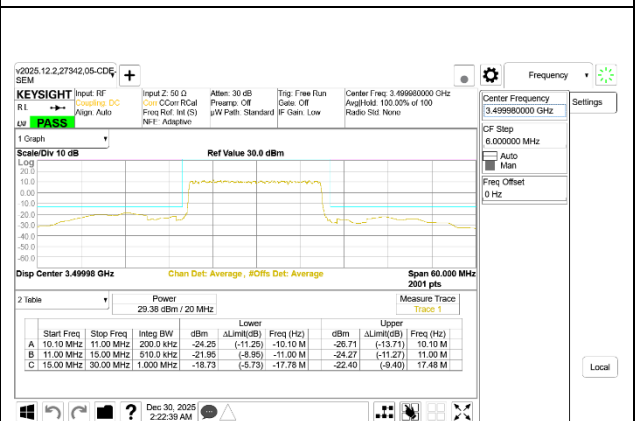
5G NR n77 20MHz BPSK Low Channel RB1-50



5G NR n77 20MHz BPSK Middle Channel RB1-50



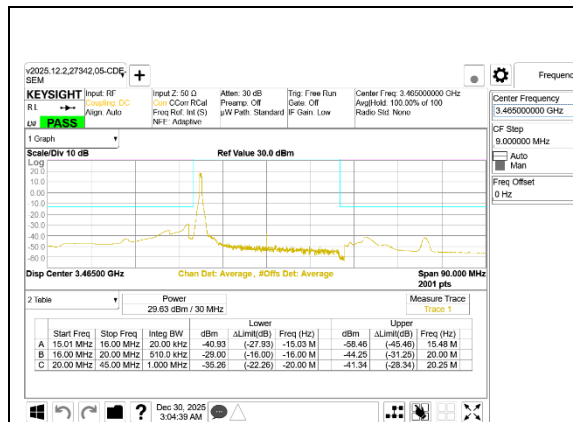
5G NR n77 20MHz BPSK Low Channel RB50-0



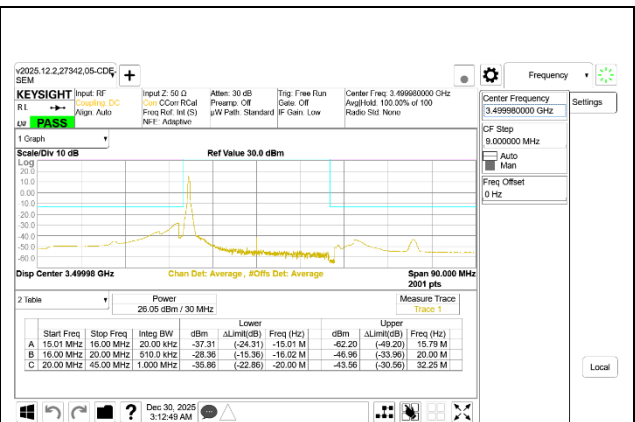
5G NR n77 20MHz BPSK Middle Channel RB50-0



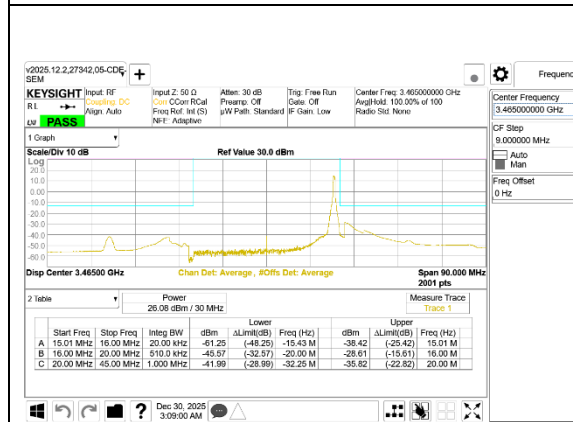




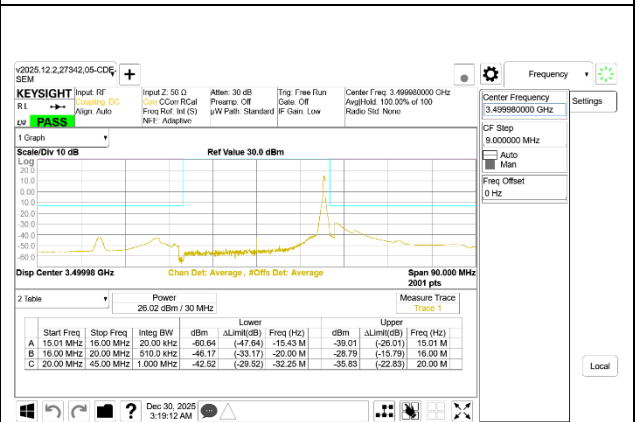
5G NR n77 30MHz BPSK Low Channel RB1-0



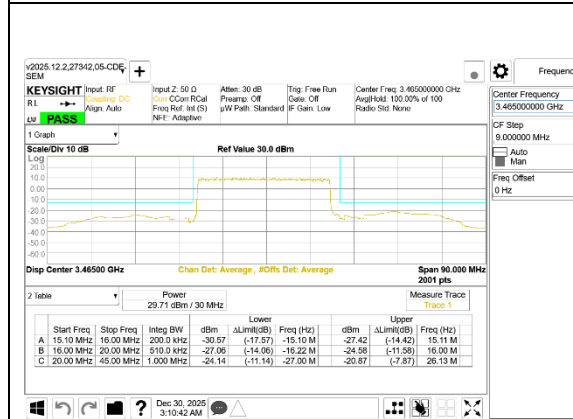
5G NR n77 30MHz BPSK Middle Channel RB1-0



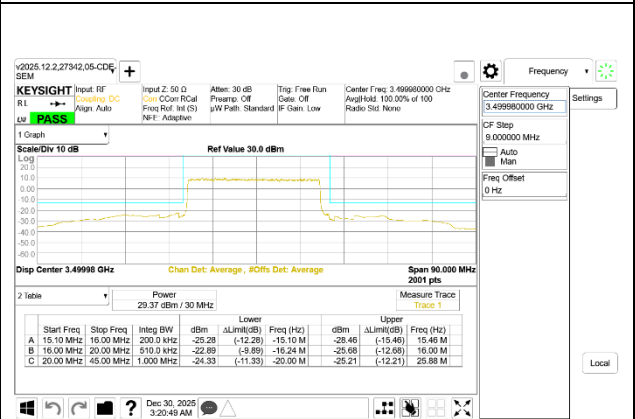
5G NR n77 30MHz BPSK Low Channel RB1-77



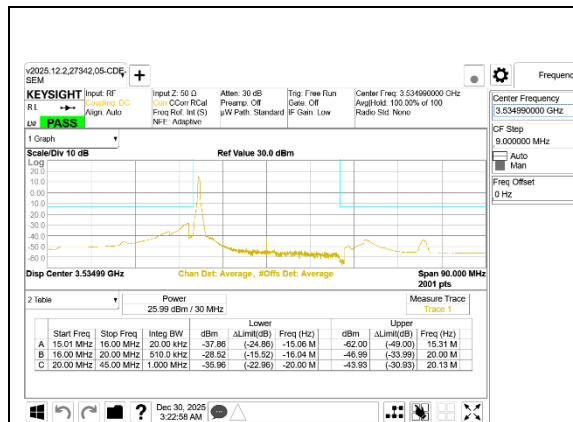
5G NR n77 30MHz BPSK Middle Channel RB1-77



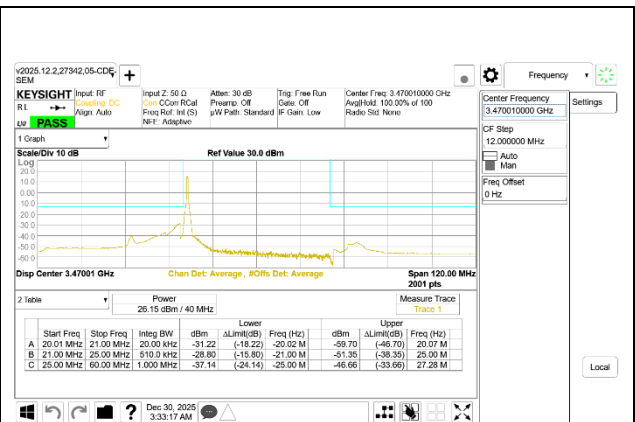
5G NR n77 30MHz BPSK Low Channel RB75-0



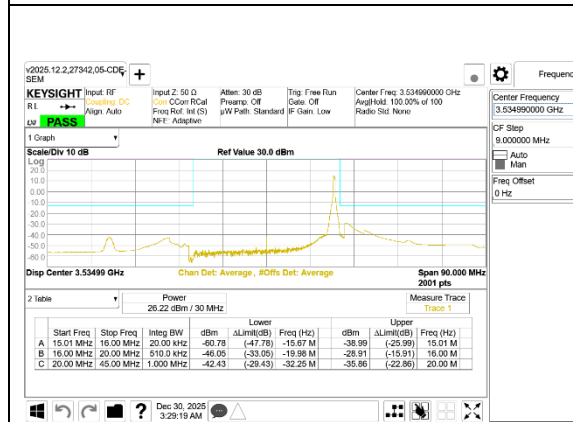
5G NR n77 30MHz BPSK Middle Channel RB75-0



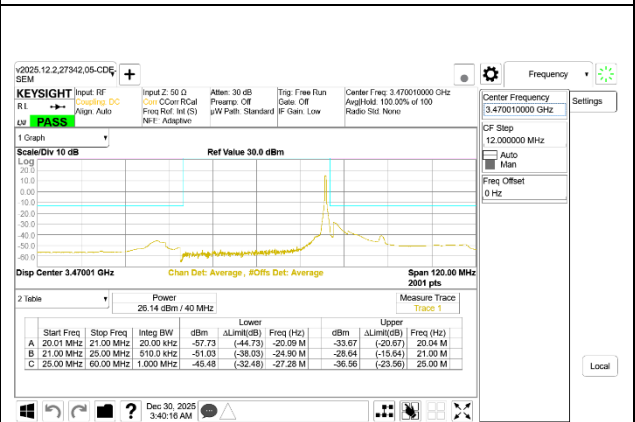
5G NR n77 30MHz BPSK High Channel RB1-0



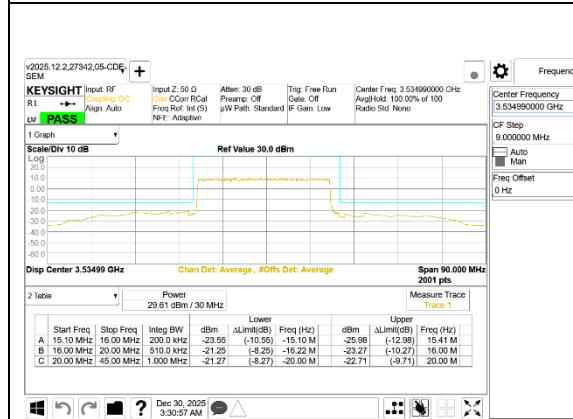
5G NR n77 40MHz BPSK Low Channel RB1-0



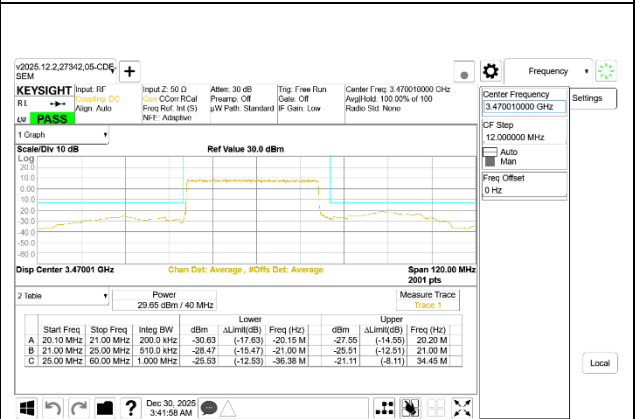
5G NR n77 30MHz BPSK High Channel RB1-77



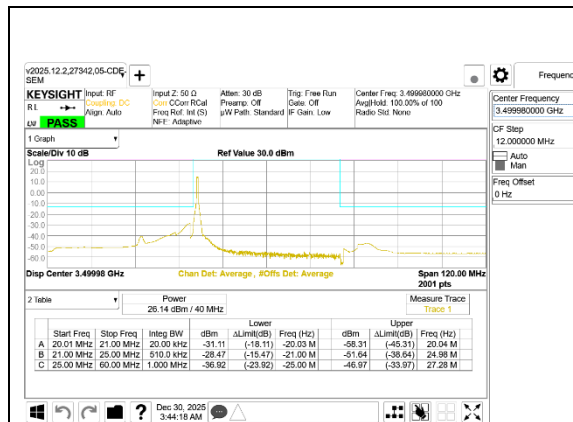
5G NR n77 40MHz BPSK Low Channel RB1-105



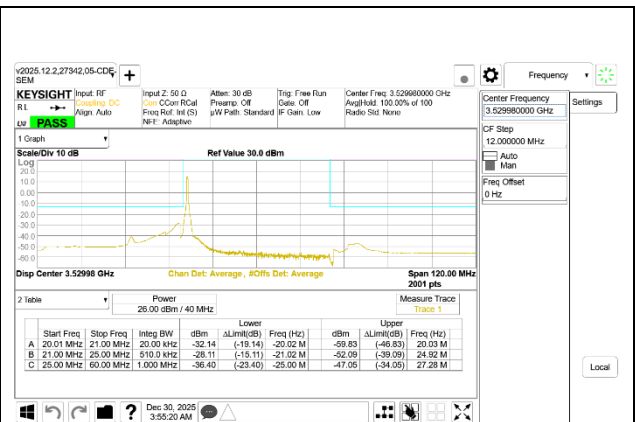
5G NR n77 30MHz BPSK High Channel RB75-0



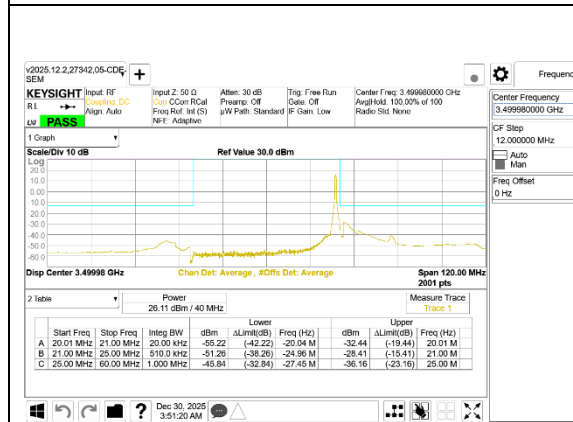
5G NR n77 40MHz BPSK Low Channel RB100-0



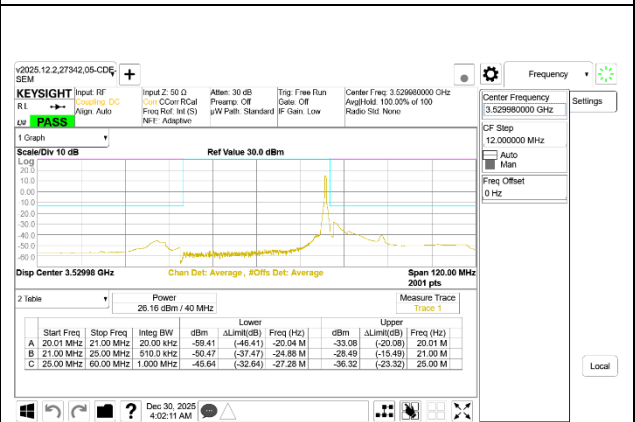
5G NR n77 40MHz BPSK Middle Channel RB1-0



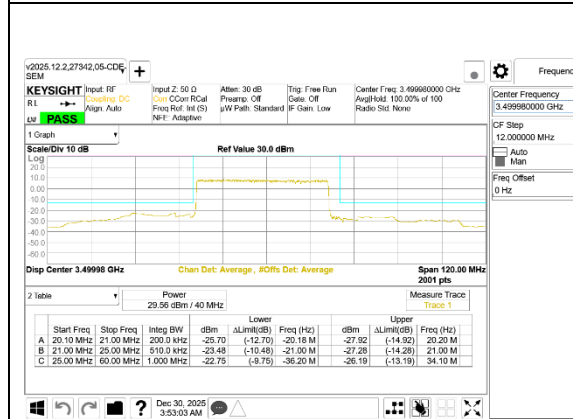
5G NR n77 40MHz BPSK High Channel RB1-0



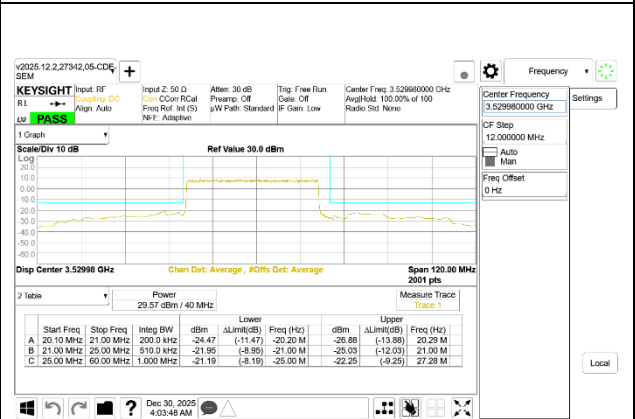
5G NR n77 40MHz BPSK Middle Channel RB1-105



5G NR n77 40MHz BPSK High Channel RB1-105



5G NR n77 40MHz BPSK Middle Channel RB100-0



5G NR n77 40MHz BPSK High Channel RB100-0