

TEST REPORT

Report Number: 159282168-E31V1

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

Model : A3716 (Parent)
A3717, A3718 (Variants)

Brand : APPLE

FCC ID : BCG-E9195A (Parent)
BCG-E9196A, BCG-E9197A (Variants)

EUT Description : SMARTPHONE

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

Date Of Issue:
2026-07-24

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

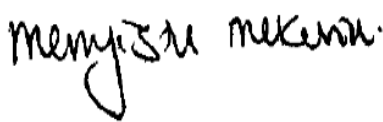
Rev.	Issue Date	Revisions	Revised By
V1	2026-07-24	Initial Review	--

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	A3716 (Parent) A3717, A3718 (Variants)
Brand	APPLE
FCC ID	BCG-E9195A (Parent) BCG-E9196A, BCG-E9197A (Variants)
EUT Description	SMARTPHONE
Serial Number	RADIATED: H9PQGVK9C7, D7JLJ0FVL2, H9PQGVK9C7 CONDUCTED: 00001, 00003_7, 00004_7 00005_7, 00006_7
Sample Receipt Date	2026-04-23
Date Tested	2026-04-24 to 2026-07-20
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:	Prepared and Reviewed By:
	
Mengistu Mekuria Staff Engineer UL Verification Services Inc.	Eric Ting Senior Test 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
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)
 $36.5 \text{ dBuV} + 18.7 \text{ dB/m} + 0.6 \text{ dB} - 26.9 \text{ dB} = 28.9 \text{ dBuV/m}$

6. EQUIPMENT UNDER TEST

6.1. DESCRIPTION OF EUT

The Apple iPhone is a smartphone with GSM, GPRS, EGPRS, WCDMA, LTE, 5G NR1, IEEE 802.11a/b/g/n/ac/ax, Bluetooth (BT), Global Positioning System (GPS), Near-Field Communication (NFC) and Mobile Satellite Service (MSS) technologies. The rechargeable battery is not user accessible. This device is not user-serviceable and requires special tools to disassemble.

This test report for A3716 (FCC ID: BCG-E9195A) may be used to support certification for variant models A3717 and A3718 (FCC ID: BCG-E9196A and BCG-E9197A) in conjunction with spot check test report 15982169-E1 using the procedures for data referencing as permitted by the FCC.

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)		-2.10							
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	26.90	0.490	8.655	8655	8M66G7W
	QPSK			28.87	26.77	0.475	8.604	8604	8M60G7W
	16QAM			27.88	25.78	0.378	8.674	8674	8M67D7W
15.0	BPSK	3457.5	3542.5	28.99	26.89	0.489	12.944	12944	12M9G7W
	QPSK			28.90	26.80	0.479	12.919	12919	12M9G7W
	16QAM			27.87	25.77	0.378	12.933	12933	12M9D7W
20.0	BPSK	3460.0	3540.0	28.99	26.89	0.489	17.944	17944	17M9G7W
	QPSK			28.84	26.74	0.472	17.924	17924	17M9G7W
	16QAM			27.83	25.73	0.374	17.968	17968	18M0D7W
25.0	BPSK	3462.5	3537.5	28.99	26.89	0.489	22.942	22942	22M9G7W
	QPSK			28.84	26.74	0.472	22.927	22927	22M9G7W
	16QAM			27.87	25.77	0.378	23.013	23013	23M0D7W
30.0	BPSK	3465.0	3535.0	29.00	26.90	0.490	26.916	26916	26M9G7W
	QPSK			28.83	26.73	0.471	26.899	26899	26M9G7W
	16QAM			27.84	25.74	0.375	26.969	26969	27M0D7W
40.0	BPSK	3470.0	3530.0	28.99	26.89	0.489	35.883	35883	35M9G7W
	QPSK			28.79	26.69	0.467	35.826	35826	35M8G7W
	16QAM			27.90	25.80	0.380	35.885	35885	35M9D7W
50.0	BPSK	3475.0	3525.0	29.00	26.90	0.490	45.857	45857	45M9G7W
	QPSK			28.88	26.78	0.476	45.760	45760	45M8G7W
	16QAM			27.90	25.80	0.380	45.923	45923	45M9D7W
60.0	BPSK	3480.0	3520.0	29.00	26.90	0.490	58.121	58121	58M1G7W
	QPSK			28.76	26.66	0.463	57.852	57852	57M9G7W
	16QAM			27.87	25.77	0.378	58.092	58092	58M1D7W
70.0	BPSK	3485.0	3515.0	28.98	26.88	0.488	64.676	64676	64M7G7W
	QPSK			28.86	26.76	0.474	64.346	64346	64M3G7W
	16QAM			27.86	25.76	0.377	64.646	64646	64M6D7W
80.0	BPSK	3490.0	3510.0	29.00	26.90	0.490	77.446	77446	77M4G7W
	QPSK			28.90	26.80	0.479	77.302	77302	77M3G7W
	16QAM			27.89	25.79	0.379	77.477	77477	77M5D7W
90.0	BPSK	3495.0	3505.0	29.00	26.90	0.490	87.021	87021	87M0G7W
	QPSK			28.81	26.71	0.469	86.920	86920	86M9G7W
	16QAM			27.87	25.77	0.378	87.075	87075	87M1D7W
100.0	BPSK	3500.0	3500.0	28.98	26.88	0.488	96.647	96647	96M6G7W
	QPSK			28.80	26.70	0.468	96.684	96684	96M7G7W
	16QAM			27.88	25.78	0.378	96.714	96714	96M7D7W

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

Part 27									
EIRP Limit (W)		1.00							
Antenna Gain (dBi)		-4.00							
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	28.00	0.631	8.655	8655	8M66G7W
	QPSK			31.80	27.80	0.603	8.604	8604	8M60G7W
	16QAM			30.86	26.86	0.485	8.674	8674	8M67D7W
15.0	BPSK	3457.5	3542.5	32.00	28.00	0.631	12.944	12944	12M9G7W
	QPSK			31.80	27.80	0.603	12.919	12919	12M9G7W
	16QAM			30.90	26.90	0.490	12.933	12933	12M9D7W
20.0	BPSK	3460.0	3540.0	32.00	28.00	0.631	17.944	17944	17M9G7W
	QPSK			31.80	27.80	0.603	17.924	17924	17M9G7W
	16QAM			30.88	26.88	0.488	17.968	17968	18M0D7W
25.0	BPSK	3462.5	3537.5	32.00	28.00	0.631	22.942	22942	22M9G7W
	QPSK			31.80	27.80	0.603	22.927	22927	22M9G7W
	16QAM			30.89	26.89	0.489	23.013	23013	23M0D7W
30.0	BPSK	3465.0	3535.0	32.00	28.00	0.631	26.916	26916	26M9G7W
	QPSK			31.80	27.80	0.603	26.899	26899	26M9G7W
	16QAM			30.09	26.09	0.406	26.969	26969	27M0D7W
40.0	BPSK	3470.0	3530.0	32.00	28.00	0.631	35.883	35883	35M9G7W
	QPSK			31.80	27.80	0.603	35.826	35826	35M8G7W
	16QAM			30.80	26.80	0.479	35.885	35885	35M9D7W
50.0	BPSK	3475.0	3525.0	32.00	28.00	0.631	45.857	45857	45M9G7W
	QPSK			31.80	27.80	0.603	45.760	45760	45M8G7W
	16QAM			30.81	26.81	0.480	45.923	45923	45M9D7W
60.0	BPSK	3480.0	3520.0	32.00	28.00	0.631	58.121	58121	58M1G7W
	QPSK			31.80	27.80	0.603	57.852	57852	57M9G7W
	16QAM			30.86	26.86	0.485	58.092	58092	58M1D7W
70.0	BPSK	3485.0	3515.0	32.00	28.00	0.631	64.676	64676	64M7G7W
	QPSK			31.80	27.80	0.603	64.346	64346	64M3G7W
	16QAM			30.85	26.85	0.484	64.646	64646	64M6D7W
80.0	BPSK	3490.0	3510.0	32.00	28.00	0.631	77.446	77446	77M4G7W
	QPSK			31.80	27.80	0.603	77.302	77302	77M3G7W
	16QAM			30.88	26.88	0.488	77.477	77477	77M5D7W
90.0	BPSK	3495.0	3505.0	32.00	28.00	0.631	87.021	87021	87M0G7W
	QPSK			31.80	27.80	0.603	86.920	86920	86M9G7W
	16QAM			30.89	26.89	0.489	87.075	87075	87M1D7W
100.0	BPSK	3500.0	3500.0	32.00	28.00	0.631	96.647	96647	96M6G7W
	QPSK			31.80	27.80	0.603	96.684	96684	96M7G7W
	16QAM			30.74	26.74	0.472	96.714	96714	96M7D7W

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

Part 27									
EIRP Limit (W)		1.00							
Antenna Gain (dBi)		-2.10							
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	28.99	26.89	0.489	8.641	8641	8M64G7W
	QPSK			28.90	26.80	0.479	8.581	8581	8M58G7W
	16QAM			27.90	25.80	0.380	8.644	8644	8M64D7W
15.0	BPSK	3707.5	3972.5	29.00	26.90	0.490	12.941	12941	12M9G7W
	QPSK			28.86	26.76	0.474	12.920	12920	12M9G7W
	16QAM			27.83	25.73	0.374	12.938	12938	12M9D7W
20.0	BPSK	3710.0	3970.0	28.99	26.89	0.489	17.943	17943	17M9G7W
	QPSK			28.89	26.79	0.478	17.932	17932	17M9G7W
	16QAM			27.88	25.78	0.378	17.963	17963	18M0D7W
25.0	BPSK	3712.5	3967.5	28.99	26.89	0.489	22.970	22970	23M0G7W
	QPSK			28.87	26.77	0.475	22.954	22954	23M0G7W
	16QAM			27.80	25.70	0.372	22.995	22995	23M0D7W
30.0	BPSK	3715.0	3965.0	28.99	26.89	0.489	26.921	26921	26M9G7W
	QPSK			28.85	26.75	0.473	26.931	26931	26M9G7W
	16QAM			27.85	25.75	0.376	26.954	26954	27M0D7W
40.0	BPSK	3720.0	3960.0	28.99	26.89	0.489	35.867	35867	35M9G7W
	QPSK			28.88	26.78	0.476	35.872	35872	35M9G7W
	16QAM			27.90	25.80	0.380	35.873	35873	35M9D7W
50.0	BPSK	3725.0	3955.0	29.00	26.90	0.490	45.847	45847	45M8G7W
	QPSK			28.89	26.79	0.478	45.772	45772	45M8G7W
	16QAM			27.81	25.71	0.372	45.969	45969	46M0D7W
60.0	BPSK	3730.0	3950.0	28.99	26.89	0.489	57.904	57904	57M9G7W
	QPSK			28.78	26.68	0.466	57.862	57862	57M9G7W
	16QAM			27.86	25.76	0.377	58.114	58114	58M1D7W
70.0	BPSK	3735.0	3945.0	28.99	26.89	0.489	64.506	64506	64M5G7W
	QPSK			28.83	26.73	0.471	64.276	64276	64M3G7W
	16QAM			27.84	25.74	0.375	64.570	64570	64M6D7W
80.0	BPSK	3740.0	3940.0	29.00	26.90	0.490	77.268	77268	77M3G7W
	QPSK			28.89	26.79	0.478	77.155	77155	77M2G7W
	16QAM			27.81	25.71	0.372	77.507	77507	77M5D7W
90.0	BPSK	3745.0	3935.0	29.00	26.90	0.490	86.988	86988	87M0G7W
	QPSK			28.87	26.77	0.475	86.736	86736	86M7G7W
	16QAM			27.89	25.79	0.379	87.095	87095	87M1D7W
100.0	BPSK	3750.0	3930.0	28.99	26.89	0.489	96.573	96573	96M6G7W
	QPSK			28.83	26.73	0.471	96.443	96443	96M4G7W
	16QAM			27.82	25.72	0.373	96.542	96542	96M5D7W

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

Part 27									
EIRP Limit (W)		1.00							
Antenna Gain (dBi)		-4.00							
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	28.00	0.631	8.641	8641	8M64G7W
	QPSK			31.80	27.80	0.603	8.581	8581	8M58G7W
	16QAM			30.85	26.85	0.484	8.644	8644	8M64D7W
15.0	BPSK	3707.5	3972.5	32.00	28.00	0.631	12.941	12941	12M9G7W
	QPSK			31.80	27.80	0.603	12.920	12920	12M9G7W
	16QAM			30.90	26.90	0.490	12.938	12938	12M9D7W
20.0	BPSK	3710.0	3970.0	32.00	28.00	0.631	17.943	17943	17M9G7W
	QPSK			31.80	27.80	0.603	17.932	17932	17M9G7W
	16QAM			30.87	26.87	0.486	17.963	17963	18M0D7W
25.0	BPSK	3712.5	3967.5	32.00	28.00	0.631	22.970	22970	23M0G7W
	QPSK			31.80	27.80	0.603	22.954	22954	23M0G7W
	16QAM			30.88	26.88	0.488	22.995	22995	23M0D7W
30.0	BPSK	3715.0	3965.0	32.00	28.00	0.631	26.921	26921	26M9G7W
	QPSK			31.80	27.80	0.603	26.931	26931	26M9G7W
	16QAM			30.89	26.89	0.489	26.954	26954	27M0D7W
40.0	BPSK	3720.0	3960.0	32.00	28.00	0.631	35.867	35867	35M9G7W
	QPSK			31.80	27.80	0.603	35.872	35872	35M9G7W
	16QAM			30.85	26.85	0.484	35.873	35873	35M9D7W
50.0	BPSK	3725.0	3955.0	32.00	28.00	0.631	45.847	45847	45M8G7W
	QPSK			31.80	27.80	0.603	45.772	45772	45M8G7W
	16QAM			30.78	26.78	0.476	45.969	45969	46M0D7W
60.0	BPSK	3730.0	3950.0	32.00	28.00	0.631	57.904	57904	57M9G7W
	QPSK			31.80	27.80	0.603	57.862	57862	57M9G7W
	16QAM			30.80	26.80	0.479	58.114	58114	58M1D7W
70.0	BPSK	3735.0	3945.0	32.00	28.00	0.631	64.506	64506	64M5G7W
	QPSK			31.80	27.80	0.603	64.276	64276	64M3G7W
	16QAM			30.88	26.88	0.488	64.570	64570	64M6D7W
80.0	BPSK	3740.0	3940.0	32.00	28.00	0.631	77.268	77268	77M3G7W
	QPSK			31.80	27.80	0.603	77.155	77155	77M2G7W
	16QAM			30.90	26.90	0.490	77.507	77507	77M5D7W
90.0	BPSK	3745.0	3935.0	32.00	28.00	0.631	86.988	86988	87M0G7W
	QPSK			31.80	27.80	0.603	86.736	86736	86M7G7W
	16QAM			30.89	26.89	0.489	87.095	87095	87M1D7W
100.0	BPSK	3750.0	3930.0	32.00	28.00	0.631	96.573	96573	96M6G7W
	QPSK			31.80	27.80	0.603	96.443	96443	96M4G7W
	16QAM			30.79	26.79	0.478	96.542	96542	96M5D7W

6.3. SOFTWARE AND FIRMWARE

The EUT firmware installed during testing was version 24A349.

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	-3.80	29.00	25.20
		ANT4	-2.40	28.00	25.60
		ANT9	-2.10	29.00	26.90
		ANT8	-2.30	29.00	26.70
5G NR n77	3700 – 3980	ANT7	-3.80	29.00	25.20
		ANT4	-2.40	28.00	25.60
		ANT9	-2.10	29.00	26.90
		ANT8	-2.30	29.00	26.70

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	-5.20	31.00	25.80
		ANT 7+8	-4.40	32.00	27.60
		ANT 7+9	-3.90	30.50	26.60
		ANT 9+4	-4.90	31.00	26.10
		ANT 9+8	-4.00	32.00	28.00
		ANT 8+4	-3.00	30.30	27.30
5G NR n77	3700 – 3980	ANT 7+4	-5.20	31.00	25.80
		ANT 7+8	-4.40	32.00	27.60
		ANT 7+9	-3.90	30.50	26.60
		ANT 9+4	-4.90	31.00	26.10
		ANT 9+8	-4.00	32.00	28.00
		ANT 8+4	-3.00	30.30	27.30

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.

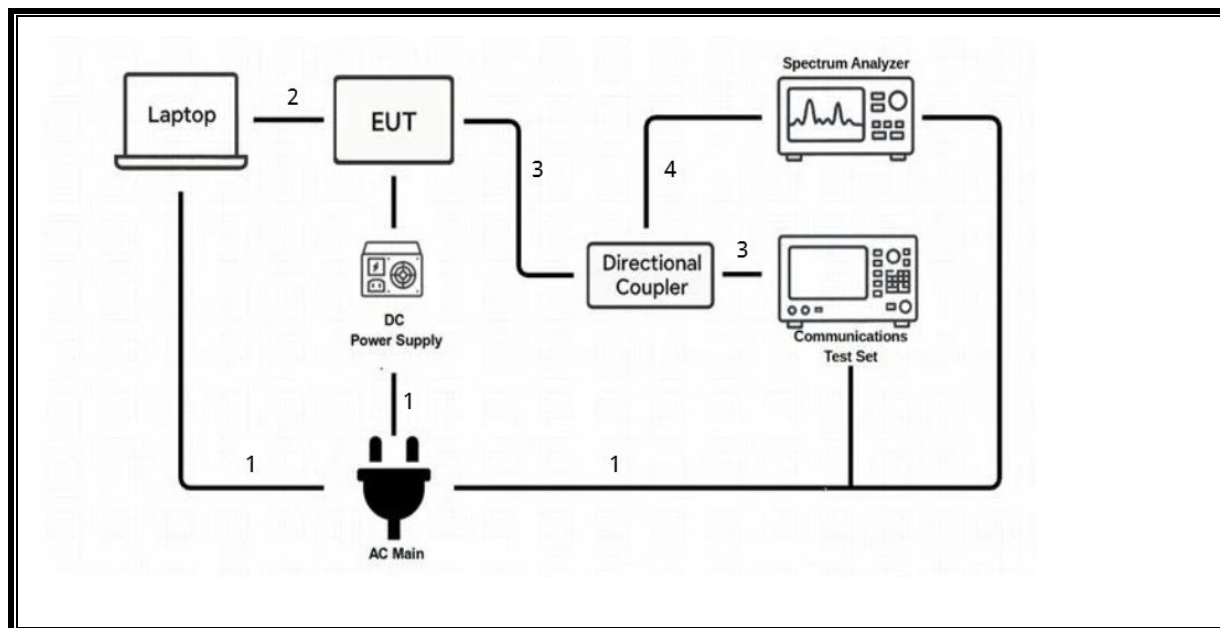
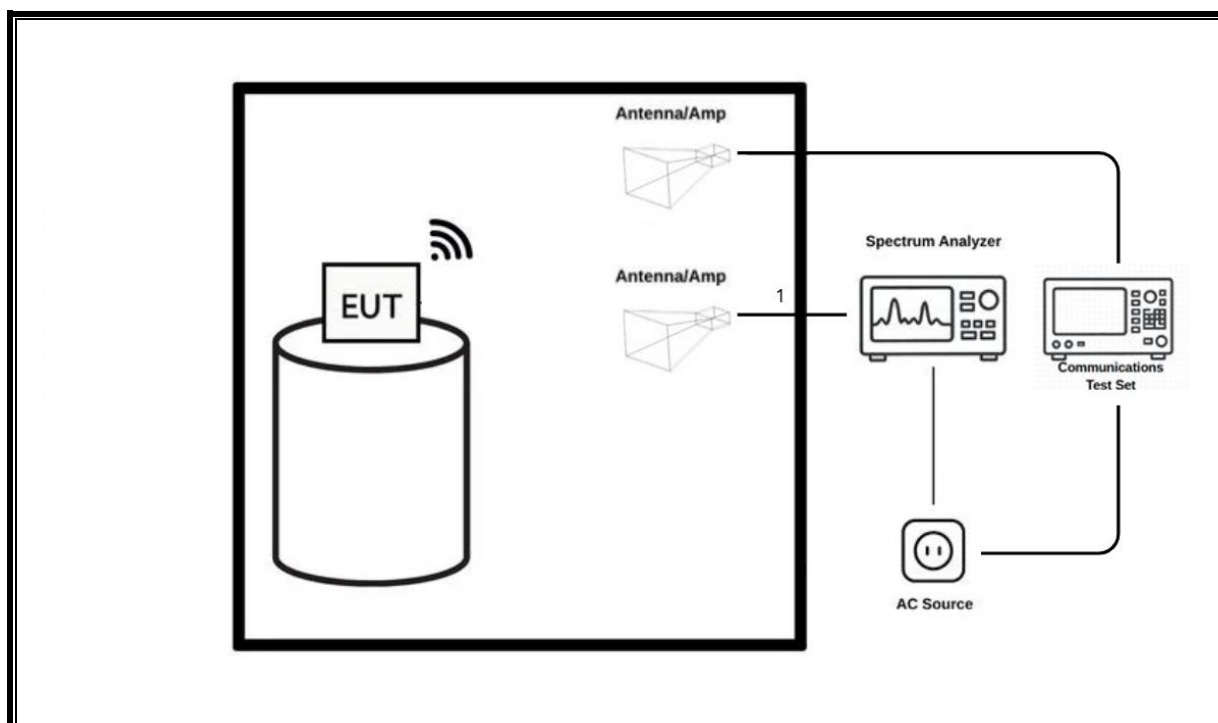
Frequency Range	ANT9	ANT8	ANT7	ANT4	ANT 9+8	ANT 9+7	ANT 9+4	ANT 7+8	ANT 7+4	ANT 4+8
3300 – 3980 MHz	Y	Z	Z	Z	X	X	Y	X	X	Z

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 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
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)**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		
				630334 3455	633332 3500	636332 3545	630334 3455	633332 3500	636332 3545	630334 3455	633332 3500	636332 3545	630334 3455	633332 3500	636332 3545
10.0	BPSK	1	0	24.89	24.84	24.76	23.87	23.80	23.81	24.72	24.80	24.83	24.81	24.82	24.87
		1	1	28.36	28.23	28.34	27.35	27.23	27.32	28.20	28.21	28.23	28.30	28.36	28.31
		1	22	28.24	28.35	28.23	27.36	27.30	27.20	28.23	28.33	28.21	28.26	28.27	28.33
		1	23	24.79	24.84	24.74	23.76	23.77	23.74	24.80	24.73	24.73	24.87	24.74	24.72
		12	6	28.99	28.99	28.98	27.99	27.98	27.98	28.98	29.00	28.98	28.99	28.98	28.99
		24	0	28.25	28.30	28.24	27.36	27.27	27.32	28.33	28.36	28.39	28.36	28.34	28.23
	QPSK	1	0	24.75	24.73	24.73	23.79	23.79	23.87	24.86	24.72	24.80	24.88	24.74	24.80
		1	1	28.26	28.35	28.24	27.22	27.23	27.25	28.37	28.25	28.26	28.26	28.36	28.25
		1	22	28.27	28.22	28.35	27.26	27.31	27.30	28.27	28.24	28.23	28.24	28.31	28.35
		1	23	24.78	24.73	24.79	23.72	23.81	23.75	24.78	24.72	24.73	24.75	24.79	24.90
		12	6	28.80	28.78	28.86	27.86	27.71	27.73	28.87	28.81	28.73	28.78	28.83	28.84
		24	0	27.71	27.81	27.73	26.73	26.73	26.73	27.83	27.90	27.84	27.76	27.80	27.72
	16QAM	1	0	24.74	24.85	24.88	23.76	23.74	23.77	24.70	24.71	24.76	24.89	24.80	24.77
		1	1	27.27	27.31	27.27	26.24	26.21	26.34	27.29	27.32	27.27	27.37	27.21	27.32
		1	22	27.28	27.25	27.29	26.37	26.31	26.40	27.22	27.33	27.23	27.25	27.21	27.38
		1	23	24.81	24.73	24.90	23.71	23.87	23.87	24.80	24.83	24.83	24.73	24.82	24.77
		12	6	27.85	27.78	27.90	26.81	26.80	26.73	27.84	27.88	27.87	27.74	27.70	27.83
		24	0	26.84	26.89	26.76	25.90	25.77	25.71	26.74	26.74	26.87	26.77	26.88	26.85
	64QAM	1	0	24.87	24.71	24.79	23.78	23.76	23.76	24.74	24.78	24.89	24.87	24.90	24.80
		1	1	25.76	25.82	25.84	24.72	24.87	24.90	25.81	25.71	25.78	25.80	25.87	25.89
		1	22	25.77	25.88	25.73	24.77	24.80	24.89	25.73	25.86	25.80	25.84	25.86	25.90
		1	23	24.86	24.81	24.89	23.87	23.80	23.90	24.85	24.76	24.80	24.79	24.71	24.83
		12	6	26.34	26.34	26.31	25.37	25.27	25.28	26.40	26.34	26.35	26.35	26.29	26.32
		24	0	26.34	26.20	26.31	25.21	25.40	25.22	26.28	26.30	26.32	26.40	26.39	26.32
	256QAM	1	0	23.80	23.75	23.78	22.71	22.77	22.76	23.90	23.80	23.78	23.79	23.74	23.71
		1	1	23.83	23.89	23.77	22.71	22.82	22.79	23.75	23.81	23.87	23.82	23.85	23.76
		1	22	23.77	23.88	23.75	22.86	22.79	22.74	23.86	23.76	23.72	23.81	23.83	23.81
		1	23	23.84	23.80	23.83	22.90	22.87	22.85	23.88	23.78	23.77	23.73	23.80	23.88
		12	6	24.24	24.26	24.31	23.38	23.35	23.32	24.21	24.36	24.30	24.27	24.36	24.23
		24	0	24.37	24.36	24.36	23.20	23.40	23.21	24.21	24.28	24.27	24.20	24.25	24.35

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 3457.5	633332 3500	636166 3542.5	630500 3457.5	633332 3500	636166 3542.5	630500 3457.5	633332 3500	636166 3542.5	630500 3457.5	633332 3500	636166 3542.5
15.0	BPSK	1	0	24.76	24.89	24.85	23.78	23.87	23.84	24.79	24.86	24.81	24.72	24.89	24.89
		1	1	28.34	28.22	28.39	27.28	27.30	27.27	28.21	28.23	28.28	28.28	28.35	28.34
		1	36	28.37	28.26	28.32	27.26	27.34	27.39	28.30	28.33	28.23	28.34	28.22	28.29
		1	37	24.74	24.77	24.77	23.80	23.84	23.76	24.86	24.73	24.73	24.90	24.88	24.89
		18	9	28.98	28.98	28.98	27.98	27.98	27.99	28.99	28.99	28.98	28.99	28.98	28.98
		36	0	28.26	28.31	28.21	27.37	27.27	27.38	28.38	28.29	28.24	28.39	28.31	28.38
	QPSK	1	0	24.82	24.78	24.72	23.85	23.86	23.76	24.79	24.71	24.72	24.87	24.83	24.81
		1	1	28.28	28.24	28.24	27.22	27.39	27.26	28.25	28.26	28.33	28.25	28.34	28.31
		1	36	28.27	28.22	28.27	27.34	27.25	27.28	28.35	28.38	28.22	28.37	28.31	28.22
		1	37	24.81	24.84	24.78	23.89	23.81	23.79	24.85	24.86	24.75	24.80	24.88	24.82
		18	9	28.77	28.73	28.78	27.79	27.80	27.78	28.90	28.76	28.74	28.72	28.72	28.78
		36	0	27.86	27.73	27.80	26.86	26.72	26.81	27.83	27.79	27.70	27.77	27.82	27.73
	16QAM	1	0	24.74	24.80	24.77	23.72	23.80	23.71	24.72	24.77	24.87	24.70	24.78	24.88
		1	1	27.39	27.21	27.23	26.28	26.36	26.39	27.30	27.28	27.35	27.33	27.20	27.36
		1	36	27.31	27.31	27.23	26.34	26.35	26.36	27.35	27.37	27.20	27.27	27.25	27.24
		1	37	24.88	24.84	24.80	23.77	23.86	23.83	24.85	24.74	24.78	24.75	24.84	24.72
		18	9	27.83	27.75	27.71	26.87	26.86	26.72	27.87	27.79	27.72	27.90	27.71	27.87
		36	0	26.82	26.72	26.78	25.81	25.72	25.76	26.78	26.78	26.73	26.76	26.78	26.82
	64QAM	1	0	24.75	24.70	24.84	23.84	23.83	23.73	24.83	24.84	24.77	24.79	24.88	24.70
		1	1	25.83	25.77	25.83	24.87	24.77	24.86	25.89	25.88	25.85	25.85	25.74	25.73
		1	36	25.76	25.90	25.74	24.72	24.78	24.78	25.72	25.72	25.84	25.71	25.82	25.86
		1	37	24.74	24.87	24.77	23.73	23.72	23.71	24.79	24.73	24.75	24.74	24.70	24.80
		18	9	26.24	26.37	26.38	25.34	25.36	25.32	26.33	26.33	26.26	26.29	26.30	26.31
		36	0	26.24	26.29	26.40	25.40	25.39	25.21	26.33	26.24	26.21	26.37	26.28	26.24
	256QAM	1	0	23.87	23.77	23.82	22.90	22.74	22.70	23.90	23.86	23.80	23.85	23.72	23.82
		1	1	23.88	23.86	23.83	22.82	22.74	22.78	23.89	23.75	23.83	23.89	23.77	23.72
		1	36	23.73	23.82	23.80	22.88	22.80	22.75	23.87	23.82	23.87	23.81	23.71	23.73
		1	37	23.85	23.88	23.87	22.89	22.85	22.74	23.85	23.75	23.71	23.81	23.85	23.72
		18	9	24.23	24.32	24.39	23.37	23.33	23.24	24.32	24.36	24.23	24.21	24.28	24.35
		36	0	24.23	24.31	24.21	23.37	23.25	23.33	24.26	24.31	24.35	24.35	24.23	24.36

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		
				630668	633332	635998	630668	633332	635998	630668	633332	635998	630668	633332	635998
20.0	BPSK	1	0	24.81	24.83	24.74	23.75	23.72	23.78	24.80	24.71	24.85	24.87	24.85	24.79
		1	1	28.38	28.33	28.34	27.23	27.22	27.33	28.21	28.32	28.27	28.30	28.22	28.30
		1	49	28.38	28.24	28.22	27.35	27.24	27.34	28.23	28.20	28.27	28.24	28.23	28.36
		1	50	24.81	24.86	24.90	23.76	23.77	23.81	24.71	24.80	24.73	24.85	24.79	24.78
		25	12	28.98	28.98	29.00	27.98	27.98	28.00	28.98	28.98	28.99	28.99	28.98	28.98
		50	0	28.30	28.26	28.39	27.37	27.22	27.25	28.23	28.27	28.33	28.29	28.24	28.24
	QPSK	1	0	24.80	24.89	24.87	23.87	23.87	23.87	24.82	24.78	24.72	24.78	24.81	24.77
		1	1	28.39	28.38	28.38	27.28	27.38	27.39	28.38	28.31	28.26	28.23	28.34	28.39
		1	49	28.31	28.22	28.36	27.34	27.36	27.21	28.30	28.21	28.25	28.29	28.39	28.39
		1	50	24.76	24.78	24.89	23.75	23.83	23.81	24.78	24.72	24.86	24.81	24.70	24.90
		25	12	28.84	28.76	28.80	27.85	27.76	27.86	28.80	28.78	28.84	28.79	28.72	28.71
		50	0	27.74	27.86	27.89	26.88	26.88	26.86	27.88	27.73	27.73	27.73	27.83	27.76
	16QAM	1	0	24.76	24.76	24.82	23.75	23.80	23.76	24.86	24.86	24.83	24.79	24.88	24.82
		1	1	27.40	27.22	27.37	26.28	26.35	26.34	27.29	27.38	27.38	27.39	27.22	27.23
		1	49	27.33	27.34	27.22	26.21	26.26	26.24	27.25	27.20	27.27	27.35	27.29	27.33
		1	50	24.74	24.76	24.90	23.83	23.72	23.89	24.77	24.88	24.84	24.86	24.78	24.72
		25	12	27.72	27.74	27.83	26.70	26.81	26.79	27.72	27.83	27.83	27.88	27.85	27.90
		50	0	26.79	26.90	26.81	25.79	25.82	25.88	26.72	26.77	26.73	26.84	26.80	26.78
	64QAM	1	0	24.74	24.71	24.73	23.80	23.78	23.88	24.86	24.87	24.82	24.80	24.72	24.82
		1	1	25.86	25.84	25.89	24.77	24.79	24.83	25.83	25.72	25.76	25.75	25.86	25.76
		1	49	25.74	25.78	25.87	24.84	24.85	24.74	25.72	25.89	25.71	25.79	25.82	25.71
		1	50	24.84	24.88	24.82	23.83	23.72	23.88	24.84	24.74	24.76	24.84	24.72	24.78
		25	12	26.25	26.34	26.26	25.32	25.23	25.25	26.36	26.32	26.36	26.34	26.27	26.25
		50	0	26.26	26.25	26.40	25.25	25.29	25.31	26.25	26.21	26.29	26.31	26.21	26.37
	256QAM	1	0	23.75	23.83	23.86	22.83	22.83	22.83	23.77	23.76	23.73	23.83	23.81	23.84
		1	1	23.77	23.75	23.80	22.89	22.73	22.76	23.83	23.79	23.90	23.78	23.85	23.87
		1	49	23.90	23.88	23.77	22.82	22.78	22.78	23.84	23.74	23.75	23.87	23.88	23.81
		1	50	23.79	23.75	23.74	22.84	22.75	22.84	23.75	23.87	23.88	23.72	23.78	23.80
		25	12	24.28	24.29	24.21	23.35	23.23	23.30	24.29	24.30	24.25	24.29	24.29	24.32
		50	0	24.38	24.22	24.23	23.22	23.29	23.37	24.24	24.36	24.36	24.22	24.21	24.30

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	24.86	24.90	24.82	23.87	23.71	23.74	24.71	24.90	24.86	24.82	24.86	24.70
		1	1	28.33	28.36	28.29	27.20	27.21	27.30	28.27	28.36	28.28	28.34	28.27	28.22
		1	63	28.23	28.33	28.22	27.26	27.25	27.35	28.38	28.31	28.39	28.31	28.33	28.23
		1	64	24.73	24.76	24.80	23.79	23.84	23.85	24.83	24.79	24.89	24.79	24.71	24.88
		32	16	28.99	28.98	28.99	28.00	27.98	28.00	28.98	28.99	28.99	28.99	28.98	28.98
		64	0	28.36	28.21	28.21	27.24	27.36	27.38	28.31	28.38	28.29	28.20	28.35	28.24
	QPSK	1	0	24.74	24.75	24.82	23.85	23.86	23.89	24.88	24.73	24.88	24.90	24.82	24.74
		1	1	28.33	28.38	28.27	27.27	27.40	27.26	28.20	28.30	28.28	28.28	28.35	28.27
		1	63	28.38	28.32	28.23	27.40	27.35	27.29	28.40	28.25	28.34	28.38	28.32	28.26
		1	64	24.72	24.84	24.87	23.82	23.82	23.78	24.90	24.87	24.81	24.88	24.85	24.72
		32	16	28.87	28.84	28.72	27.73	27.82	27.78	28.79	28.84	28.78	28.77	28.83	28.81
		64	0	27.74	27.85	27.81	26.76	26.82	26.70	27.88	27.75	27.75	27.81	27.75	27.86
	16QAM	1	0	24.88	24.78	24.70	23.83	23.73	23.89	24.72	24.74	24.82	24.77	24.84	24.82
		1	1	27.25	27.27	27.30	26.37	26.32	26.40	27.30	27.23	27.21	27.27	27.29	27.35
		1	63	27.21	27.37	27.24	26.39	26.35	26.24	27.25	27.34	27.23	27.21	27.37	27.37
		1	64	24.80	24.86	24.89	23.72	23.89	23.85	24.85	24.82	24.86	24.89	24.74	24.72
		32	16	27.81	27.87	27.72	26.71	26.88	26.89	27.84	27.87	27.87	27.88	27.84	27.72
		64	0	26.76	26.81	26.89	25.85	25.90	25.80	26.76	26.86	26.85	26.89	26.73	26.75
	64QAM	1	0	24.87	24.78	24.81	23.90	23.75	23.83	24.90	24.90	24.89	24.70	24.76	24.82
		1	1	25.78	25.75	25.81	24.79	24.84	24.80	25.71	25.73	25.70	25.74	25.76	25.89
		1	63	25.83	25.85	25.84	24.81	24.84	24.83	25.71	25.75	25.79	25.88	25.77	25.82
		1	64	24.89	24.82	24.78	23.89	23.71	23.85	24.83	24.77	24.83	24.88	24.79	24.87
		32	16	26.31	26.20	26.25	25.34	25.38	25.39	26.29	26.26	26.28	26.33	26.20	26.39
		64	0	26.26	26.32	26.27	25.36	25.34	25.24	26.20	26.34	26.35	26.21	26.39	26.29
	256QAM	1	0	23.84	23.71	23.85	22.78	22.79	22.83	23.79	23.84	23.87	23.72	23.88	23.75
		1	1	23.89	23.81	23.84	22.82	22.89	22.80	23.85	23.75	23.74	23.81	23.82	23.75
		1	63	23.82	23.71	23.73	22.79	22.83	22.82	23.70	23.86	23.80	23.73	23.78	23.76
		1	64	23.84	23.82	23.87	22.74	22.82	22.72	23.89	23.72	23.78	23.89	23.76	23.89
		32	16	24.32	24.36	24.35	23.26	23.26	23.29	24.36	24.32	24.26	24.34	24.38	24.27
		64	0	24.36	24.25	24.24	23.37	23.26	23.28	24.28	24.39	24.40	24.22	24.23	24.35

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	24.89	24.85	24.87	23.75	23.83	23.80	24.89	24.73	24.80	24.71	24.71	24.83
		1	1	28.38	28.31	28.34	27.25	27.29	27.24	28.32	28.39	28.24	28.26	28.20	28.33
		1	76	28.26	28.23	28.27	27.40	27.29	27.32	28.20	28.34	28.39	28.39	28.39	28.29
		1	77	24.82	24.72	24.74	23.72	23.85	23.81	24.80	24.90	24.74	24.71	24.74	24.83
		36	18	29.00	28.98	28.98	27.99	27.98	27.99	29.00	29.00	28.99	28.98	28.99	28.98
		75	0	28.22	28.38	28.25	27.20	27.34	27.32	28.34	28.21	28.22	28.39	28.29	28.27
	QPSK	1	0	24.81	24.80	24.80	23.77	23.89	23.73	24.87	24.75	24.76	24.75	24.86	24.78
		1	1	28.35	28.25	28.40	27.21	27.36	27.27	28.23	28.34	28.29	28.40	28.23	28.38
		1	76	28.40	28.25	28.37	27.23	27.31	27.32	28.37	28.23	28.28	28.31	28.39	28.23
		1	77	24.89	24.88	24.80	23.76	23.73	23.86	24.75	24.78	24.76	24.82	24.72	24.89
		36	18	28.79	28.72	28.80	27.88	27.86	27.74	28.79	28.83	28.73	28.79	28.78	28.83
		75	0	27.84	27.71	27.89	26.74	26.77	26.83	27.76	27.75	27.79	27.71	27.84	27.87
	16QAM	1	0	24.76	24.88	24.72	23.74	23.83	23.87	24.72	24.76	24.73	24.79	24.79	24.89
		1	1	27.35	27.39	27.38	26.31	26.36	26.25	27.20	27.34	27.36	27.36	27.33	27.34
		1	76	27.35	27.40	27.21	26.33	26.24	26.20	27.36	27.40	27.27	27.27	27.39	27.31
		1	77	24.83	24.75	24.76	23.74	23.86	23.78	24.76	24.85	24.71	24.70	24.78	24.73
		36	18	27.80	27.77	27.76	26.77	26.87	26.72	27.77	27.84	27.83	27.81	27.75	27.79
		75	0	26.84	26.78	26.83	25.78	25.79	25.79	26.79	26.82	26.74	26.89	26.74	26.76
	64QAM	1	0	24.72	24.79	24.89	23.89	23.87	23.70	24.78	24.71	24.77	24.83	24.89	24.84
		1	1	25.86	25.85	25.72	24.75	24.75	24.73	25.72	25.78	25.73	25.88	25.90	25.85
		1	76	25.78	25.88	25.89	24.70	24.82	24.86	25.74	25.89	25.72	25.77	25.77	25.80
		1	77	24.83	24.79	24.75	23.75	23.79	23.75	24.85	24.81	24.90	24.84	24.75	24.78
		36	18	26.31	26.40	26.28	25.36	25.28	25.40	26.28	26.25	26.30	26.33	26.28	26.36
		75	0	26.34	26.26	26.23	25.37	25.26	25.37	26.39	26.26	26.22	26.40	26.29	26.24
	256QAM	1	0	23.74	23.71	23.71	22.78	22.88	22.83	23.83	23.83	23.80	23.72	23.82	23.85
		1	1	23.76	23.88	23.84	22.88	22.79	22.80	23.74	23.72	23.86	23.83	23.75	23.87
		1	76	23.83	23.75	23.89	22.81	22.84	22.86	23.83	23.70	23.78	23.82	23.80	23.78
		1	77	23.70	23.89	23.79	22.78	22.79	22.74	23.83	23.76	23.86	23.85	23.83	23.88
		36	18	24.33	24.35	24.40	23.38	23.39	23.27	24.36	24.26	24.40	24.35	24.40	24.39
		75	0	24.20	24.39	24.34	23.22	23.31	23.31	24.38	24.39	24.27	24.36	24.37	24.26

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		
				631334	633332	635332	631334	633332	635332	631334	633332	635332	631334	633332	635332
40.0	BPSK	1	0	24.72	24.74	24.79	23.70	23.70	23.78	24.85	24.82	24.84	24.80	24.75	24.79
		1	1	28.32	28.34	28.39	27.33	27.23	27.23	28.39	28.33	28.35	28.40	28.22	28.28
		1	104	28.20	28.23	28.36	27.30	27.28	27.31	28.39	28.32	28.27	28.37	28.21	28.26
		1	105	24.78	24.84	24.83	23.84	23.80	23.84	24.80	24.78	24.84	24.75	24.85	24.88
		50	25	28.99	29.00	28.99	27.98	27.99	28.00	28.99	28.98	28.98	29.00	29.00	28.98
		100	0	28.38	28.39	28.34	27.36	27.26	27.35	28.25	28.35	28.30	28.22	28.26	28.24
	QPSK	1	0	24.78	24.82	24.89	23.72	23.71	23.89	24.82	24.87	24.72	24.90	24.89	24.89
		1	1	28.36	28.39	28.24	27.32	27.25	27.36	28.32	28.38	28.35	28.24	28.26	28.26
		1	104	28.35	28.25	28.39	27.35	27.21	27.34	28.29	28.22	28.21	28.27	28.30	28.38
		1	105	24.88	24.71	24.80	23.82	23.89	23.85	24.79	24.88	24.76	24.74	24.85	24.80
		50	25	28.90	28.75	28.71	27.84	27.85	27.77	28.78	28.74	28.79	28.90	28.82	28.75
		100	0	27.79	27.87	27.83	26.74	26.72	26.82	27.74	27.88	27.79	27.81	27.72	27.78
	16QAM	1	0	24.71	24.79	24.84	23.89	23.79	23.87	24.78	24.77	24.81	24.77	24.82	24.87
		1	1	27.31	27.23	27.34	26.24	26.25	26.32	27.28	27.35	27.38	27.25	27.30	27.22
		1	104	27.38	27.38	27.21	26.34	26.30	26.38	27.40	27.23	27.23	27.25	27.23	27.36
		1	105	24.86	24.90	24.85	23.73	23.79	23.83	24.79	24.85	24.82	24.77	24.78	24.81
		50	25	27.70	27.84	27.87	26.84	26.74	26.84	27.90	27.86	27.83	27.86	27.83	27.79
		100	0	26.88	26.76	26.71	25.81	25.77	25.81	26.87	26.71	26.84	26.75	26.83	26.84
	64QAM	1	0	24.80	24.76	24.79	23.89	23.81	23.77	24.75	24.87	24.81	24.78	24.86	24.89
		1	1	25.80	25.80	25.77	24.81	24.78	24.83	25.80	25.74	25.71	25.80	25.90	25.79
		1	104	25.75	25.73	25.87	24.70	24.79	24.85	25.86	25.87	25.88	25.87	25.84	25.73
		1	105	24.88	24.88	24.81	23.89	23.82	23.76	24.75	24.90	24.81	24.74	24.71	24.87
		50	25	26.25	26.31	26.24	25.35	25.24	25.22	26.35	26.40	26.27	26.25	26.34	26.36
		100	0	26.23	26.33	26.36	25.37	25.38	25.26	26.28	26.38	26.21	26.35	26.34	26.29
	256QAM	1	0	23.72	23.71	23.82	22.89	22.81	22.76	23.80	23.71	23.77	23.74	23.89	23.90
		1	1	23.78	23.79	23.71	22.89	22.86	22.72	23.88	23.85	23.71	23.79	23.71	23.75
		1	104	23.80	23.89	23.72	22.89	22.80	22.86	23.86	23.85	23.90	23.74	23.88	23.88
		1	105	23.77	23.75	23.86	22.81	22.79	22.70	23.85	23.87	23.80	23.82	23.81	23.89
		50	25	24.25	24.29	24.35	23.28	23.40	23.36	24.29	24.34	24.20	24.26	24.26	24.32
		100	0	24.28	24.38	24.23	23.24	23.27	23.35	24.31	24.36	24.26	24.29	24.30	24.40

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		
				631668	633332	634998	631668	633332	634998	631668	633332	634998	631668	633332	634998
50.0	BPSK	1	0	3475	3500	3525	3475	3500	3525	3475	3500	3525	3475	3500	3525
		1	1	24.75	24.83	24.85	23.76	23.76	23.77	24.79	24.81	24.75	24.85	24.90	24.89
		1	131	28.29	28.31	28.32	27.23	27.28	27.35	28.38	28.33	28.39	28.28	28.33	28.21
		1	132	28.38	28.23	28.34	27.35	27.38	27.36	28.20	28.22	28.31	28.24	28.36	28.35
		1	132	24.81	24.83	24.81	23.83	23.71	23.80	24.72	24.89	24.80	24.79	24.89	24.85
		64	32	28.96	28.98	28.97	27.98	27.98	27.99	29.00	28.97	28.99	28.97	29.00	28.96
	QPSK	128	0	28.25	28.29	28.23	27.25	27.36	27.21	28.23	28.39	28.22	28.22	28.37	28.25
		1	0	24.78	24.73	24.71	23.74	23.81	23.71	24.74	24.76	24.71	24.86	24.75	24.72
		1	1	28.34	28.40	28.37	27.32	27.29	27.23	28.21	28.28	28.39	28.37	28.38	28.35
		1	131	28.32	28.34	28.39	27.23	27.40	27.24	28.21	28.26	28.37	28.24	28.32	28.37
		1	132	24.70	24.73	24.84	23.73	23.82	23.73	24.87	24.87	24.86	24.72	24.72	24.73
		64	32	28.72	28.71	28.76	27.84	27.70	27.90	28.84	28.88	28.84	28.77	28.71	28.89
	16QAM	128	0	27.73	27.79	27.74	26.71	26.83	26.80	27.75	27.71	27.71	27.74	27.86	27.89
		1	0	24.83	24.74	24.80	23.90	23.74	23.77	24.74	24.86	24.78	24.80	24.71	24.77
		1	1	27.39	27.26	27.27	26.22	26.31	26.23	27.27	27.36	27.32	27.32	27.34	27.22
		1	131	27.26	27.33	27.39	26.31	26.25	26.40	27.33	27.36	27.34	27.36	27.32	27.33
		1	132	24.88	24.81	24.76	23.75	23.84	23.78	24.73	24.78	24.82	24.76	24.74	24.77
		64	32	27.90	27.72	27.85	26.83	26.80	26.76	27.86	27.71	27.90	27.86	27.79	27.78
	64QAM	128	0	26.71	26.72	26.90	25.78	25.71	25.78	26.71	26.77	26.84	26.83	26.78	26.73
		1	0	24.87	24.82	24.75	23.82	23.85	23.77	24.89	24.76	24.79	24.78	24.77	24.89
		1	1	25.85	25.87	25.76	24.72	24.78	24.90	25.78	25.73	25.81	25.77	25.79	25.76
		1	131	25.83	25.81	25.74	24.82	24.74	24.77	25.81	25.73	25.76	25.89	25.75	25.82
		1	132	24.84	24.73	24.90	23.74	23.88	23.73	24.77	24.84	24.78	24.71	24.88	24.78
		64	32	26.24	26.25	26.23	25.39	25.20	25.27	26.33	26.24	26.30	26.32	26.21	26.30
	256QAM	128	0	26.35	26.35	26.25	25.31	25.35	25.25	26.27	26.23	26.24	26.38	26.22	26.20
		1	0	23.74	23.77	23.87	22.73	22.71	22.71	23.82	23.71	23.80	23.71	23.72	23.82
		1	1	23.71	23.89	23.74	22.84	22.77	22.73	23.87	23.80	23.87	23.79	23.72	23.74
		1	131	23.87	23.84	23.72	22.88	22.78	22.77	23.87	23.87	23.76	23.82	23.80	23.88
		1	132	23.82	23.80	23.87	22.86	22.90	22.87	23.72	23.83	23.83	23.83	23.74	23.73
		64	32	24.27	24.21	24.29	23.32	23.33	23.20	24.31	24.27	24.32	24.39	24.22	24.29
		128	0	24.21	24.33	24.37	23.24	23.39	23.33	24.20	24.31	24.24	24.37	24.24	24.31

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	3500	3520	3480	3500	3520	3480	3500	3520	3480	3500	3520
		1	1	24.73	24.73	24.81	23.82	23.84	23.76	24.88	24.77	24.72	24.88	24.71	24.71
		1	160	28.26	28.24	28.31	27.22	27.35	27.25	28.31	28.24	28.31	28.20	28.21	28.20
		1	160	28.22	28.23	28.27	27.31	27.22	27.22	28.30	28.26	28.29	28.30	28.24	28.35
		1	161	24.84	24.81	24.83	23.89	23.74	23.85	24.85	24.75	24.74	24.80	24.89	24.88
		81	40	28.98	28.98	29.00	27.97	27.97	27.97	28.97	29.00	28.99	28.96	29.00	28.99
	QPSK	162	0	28.33	28.38	28.36	27.33	27.24	27.22	28.25	28.36	28.27	28.30	28.32	28.31
		1	0	24.87	24.76	24.74	23.81	23.74	23.75	24.82	24.84	24.86	24.73	24.83	24.80
		1	1	28.21	28.21	28.35	27.40	27.40	27.22	28.39	28.24	28.25	28.35	28.35	28.34
		1	160	28.37	28.38	28.33	27.27	27.22	27.37	28.36	28.35	28.40	28.24	28.26	28.27
		1	161	24.78	24.79	24.76	23.70	23.80	23.88	24.87	24.73	24.74	24.73	24.89	24.89
		81	40	28.84	28.88	28.86	27.74	27.79	27.81	28.76	28.76	28.75	28.77	28.85	28.81
	16QAM	162	0	27.82	27.73	27.81	26.81	26.84	26.85	27.80	27.83	27.84	27.74	27.81	27.72
		1	0	24.90	24.76	24.76	23.84	23.84	23.71	24.74	24.87	24.78	24.90	24.88	24.88
		1	1	27.32	27.34	27.22	26.36	26.38	26.34	27.21	27.27	27.22	27.30	27.22	27.23
		1	160	27.20	27.37	27.29	26.35	26.20	26.28	27.24	27.20	27.36	27.29	27.26	27.32
		1	161	24.70	24.70	24.83	23.86	23.77	23.72	24.78	24.90	24.79	24.78	24.80	24.76
		81	40	27.84	27.86	27.74	26.71	26.71	26.80	27.87	27.83	27.76	27.82	27.87	27.76
	64QAM	162	0	26.81	26.71	26.84	25.83	25.87	25.79	26.82	26.76	26.78	26.71	26.71	26.90
		1	0	24.89	24.89	24.74	23.80	23.76	23.71	24.81	24.86	24.86	24.83	24.81	24.85
		1	1	25.85	25.88	25.74	24.71	24.85	24.79	25.85	25.72	25.90	25.75	25.80	25.82
		1	160	25.83	25.84	25.80	24.80	24.76	24.73	25.89	25.71	25.82	25.74	25.80	25.84
		1	161	24.83	24.86	24.78	23.82	23.87	23.73	24.79	24.71	24.86	24.72	24.72	24.76
		81	40	26.21	26.39	26.39	25.29	25.31	25.37	26.26	26.29	26.21	26.25	26.35	26.40
	256QAM	162	0	26.26	26.21	26.39	25.24	25.21	25.36	26.23	26.22	26.28	26.30	26.28	26.31
		1	0	23.83	23.81	23.71	22.89	22.83	22.84	23.76	23.86	23.84	23.75	23.78	23.73
		1	1	23.85	23.78	23.88	22.89	22.71	22.77	23.80	23.80	23.74	23.81	23.84	23.75
		1	160	23.75	23.87	23.89	22.82	22.81	22.82	23.84	23.71	23.85	23.79	23.83	23.80
		1	161	23.89	23.90	23.89	22.70	22.72	22.70	23.77	23.72	23.73	23.74	23.71	23.78
		81	40	24.27	24.32	24.23	23.20	23.34	23.21	24.24	24.25	24.21	24.31	24.36	24.32
		162	0	24.30	24.39	24.22	23.29	23.22	23.38	24.28	24.40	24.28	24.28	24.25	24.37

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		
				632334	633332	634332	632334	633332	634332	632334	633332	634332	632334	633332	634332
70.0	BPSK	1	0	24.82	24.73	24.75	23.78	23.79	23.84	24.89	24.79	24.90	24.85	24.89	24.89
		1	1	28.39	28.35	28.31	27.38	27.35	27.20	28.37	28.29	28.23	28.21	28.23	28.40
		1	187	28.28	28.33	28.25	27.33	27.37	27.35	28.20	28.34	28.36	28.34	28.25	28.21
		1	188	24.74	24.73	24.84	23.76	23.78	23.88	24.72	24.81	24.79	24.74	24.74	24.80
		90	45	28.96	29.00	28.98	27.99	27.99	27.96	28.98	28.98	28.97	28.96	28.97	28.98
		180	0	28.33	28.39	28.34	27.26	27.36	27.25	28.20	28.27	28.26	28.25	28.27	28.26
	QPSK	1	0	24.88	24.84	24.75	23.81	23.72	23.86	24.72	24.73	24.73	24.84	24.85	24.84
		1	1	28.28	28.21	28.21	27.29	27.38	27.40	28.39	28.38	28.29	28.35	28.37	28.22
		1	187	28.30	28.24	28.24	27.31	27.37	27.35	28.33	28.33	28.31	28.23	28.30	28.29
		1	188	24.75	24.90	24.73	23.85	23.74	23.77	24.89	24.77	24.80	24.86	24.89	24.85
		90	45	28.81	28.83	28.78	27.73	27.78	27.77	28.83	28.76	28.86	28.70	28.78	28.75
		180	0	27.70	27.86	27.77	26.80	26.73	26.88	27.77	27.89	27.71	27.88	27.82	27.84
	16QAM	1	0	24.79	24.80	24.83	23.83	23.86	23.71	24.84	24.78	24.71	24.84	24.83	24.80
		1	1	27.37	27.37	27.37	26.32	26.23	26.31	27.28	27.36	27.27	27.37	27.32	27.32
		1	187	27.30	27.31	27.31	26.23	26.34	26.39	27.34	27.22	27.40	27.31	27.28	27.40
		1	188	24.70	24.71	24.84	23.80	23.76	23.72	24.86	24.70	24.78	24.73	24.90	24.79
		90	45	27.79	27.87	27.73	26.80	26.84	26.73	27.71	27.83	27.86	27.81	27.73	27.84
		180	0	26.82	26.88	26.77	25.87	25.75	25.74	26.74	26.75	26.77	26.72	26.87	26.71
	64QAM	1	0	24.76	24.75	24.79	23.75	23.76	23.73	24.78	24.87	24.85	24.74	24.71	24.76
		1	1	25.76	25.82	25.84	24.81	24.76	24.74	25.82	25.77	25.88	25.80	25.74	25.86
		1	187	25.87	25.97	25.90	24.72	24.77	24.79	25.75	25.74	25.71	25.86	25.86	25.74
		1	188	24.86	24.88	24.77	23.89	23.82	23.83	24.76	24.86	24.90	24.81	24.82	24.80
		90	45	26.28	26.38	26.22	25.34	25.38	25.34	26.26	26.28	26.40	26.25	26.39	26.34
		180	0	26.34	26.25	26.35	25.29	25.22	25.26	26.31	26.32	26.27	26.34	26.22	26.25
	256QAM	1	0	23.72	23.89	23.89	22.79	22.79	22.74	23.71	23.89	23.72	23.70	23.84	23.83
		1	1	23.87	23.78	23.79	22.73	22.82	22.85	23.72	23.89	23.81	23.73	23.75	23.75
		1	187	23.71	23.84	23.71	22.89	22.78	22.78	23.86	23.79	23.72	23.83	23.85	23.86
		1	188	23.86	23.89	23.77	22.74	22.74	22.85	23.85	23.80	23.84	23.74	23.82	23.80
		90	45	24.36	24.37	24.24	23.26	23.34	23.22	24.23	24.33	24.28	24.21	24.22	24.31
		180	0	24.35	24.28	24.25	23.24	23.23	23.28	24.24	24.24	24.32	24.32	24.21	24.39

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		
				632668	633332	633998	632668	633332	633998	632668	633332	633998	632668	633332	633998
80.0	BPSK	1	0	24.85	24.85	24.73	23.85	23.71	23.71	24.83	24.81	24.74	24.76	24.75	24.90
		1	1	28.34	28.28	28.37	27.40	27.38	27.36	28.26	28.23	28.38	28.34	28.29	28.22
		1	215	28.39	28.36	28.36	27.31	27.32	27.29	28.26	28.23	28.33	28.24	28.39	28.34
		1	216	24.81	24.86	24.74	23.76	23.76	23.75	24.90	24.73	24.76	24.81	24.85	24.83
		108	54	28.97	28.98	28.98	27.96	27.97	27.98	28.99	29.00	28.98	28.97	28.97	28.97
		216	0	28.26	28.29	28.31	27.22	27.23	27.24	28.39	28.36	28.24	28.22	28.30	28.34
	QPSK	1	0	24.85	24.79	24.84	23.72	23.82	23.75	24.78	24.73	24.80	24.75	24.82	24.74
		1	1	28.21	28.22	28.30	27.23	27.31	27.39	28.20	28.34	28.21	28.22	28.29	28.22
		1	215	28.28	28.37	28.31	27.36	27.29	27.31	28.38	28.30	28.40	28.33	28.38	28.39
		1	216	24.88	24.80	24.80	23.74	23.78	23.81	24.80	24.80	24.78	24.82	24.81	24.81
		108	54	28.88	28.83	28.82	27.77	27.82	27.74	28.85	28.83	28.90	28.85	28.87	28.88
		216	0	27.77	27.77	27.80	26.79	26.85	26.81	27.74	27.88	27.77	27.72	27.79	27.81
	16QAM	1	0	24.87	24.72	24.89	23.86	23.73	23.76	24.87	24.73	24.81	24.72	24.83	24.80
		1	1	27.37	27.22	27.33	26.39	26.35	26.37	27.23	27.35	27.30	27.30	27.32	27.38
		1	215	27.39	27.33	27.21	26.32	26.29	26.30	27.32	27.38	27.25	27.40	27.24	27.25
		1	216	24.87	24.76	24.74	23.70	23.77	23.85	24.72	24.78	24.87	24.77	24.86	24.71
		108	54	27.79	27.80	27.83	26.87	26.90	26.79	27.82	27.85	27.89	27.76	27.85	27.78
		216	0	26.79	26.82	26.88	25.83	25.86	25.74	26.87	26.71	26.77	26.88	26.77	26.85
	64QAM	1	0	24.88	24.82	24.84	23.71	23.81	23.84	24.79	24.75	24.76	24.72	24.74	24.83
		1	1	25.81	25.86	25.78	24.72	24.75	24.76	25.78	25.89	25.70	25.76	25.79	25.83
		1	215	25.87	25.71	25.72	24.77	24.72	24.74	25.79	25.88	25.72	25.87	25.86	25.81
		1	216	24.81	24.87	24.80	23.71	23.87	23.88	24.70	24.79	24.79	24.82	24.75	24.73
		108	54	26.37	26.23	26.33	25.25	25.39	25.35	26.33	26.29	26.29	26.38	26.30	26.24
		216	0	26.23	26.38	26.36	25.23	25.34	25.27	26.31	26.22	26.29	26.39	26.30	26.27
	256QAM	1	0	23.83	23.77	23.70	22.87	22.74	22.71	23.82	23.77	23.72	23.87	23.84	23.80
		1	1	23.82	23.86	23.85	22.80	22.85	22.90	23.83	23.77	23.78	23.87	23.78	23.79
		1	215	23.88	23.87	23.81	22.79	22.84	22.75	23.81	23.88	23.74	23.84	23.77	23.82
		1	216	23.73	23.73	23.81	22.82	22.74	22.86	23.78	23.87	23.76	23.71	23.86	23.77
		108	54	24.22	24.36	24.35	23.39	23.23	23.39	24.30	24.37	24.33	24.21	24.31	24.21
		216	0	24.20	24.37	24.31	23.22	23.27	23.36	24.25	24.23	24.21	24.24	24.37	24.26

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	24.80	24.73	24.83	23.87	23.77	23.86	24.80	24.85	24.83	24.90	24.79	24.85
		1	1	28.33	28.30	28.38	27.30	27.25	27.39	28.21	28.40	28.34	28.36	28.33	28.38
		1	243	28.35	28.27	28.36	27.24	27.21	27.24	28.31	28.21	28.36	28.23	28.28	28.21
		1	244	24.74	24.79	24.76	23.76	23.87	23.89	24.87	24.74	24.87	24.77	24.88	24.78
		120	60	29.00	28.96	29.00	27.99	27.98	27.96	29.00	28.98	28.99	28.98	28.99	28.98
		243	0	28.31	28.34	28.33	27.32	27.34	27.39	28.28	28.22	28.38	28.37	28.35	28.28
	QPSK	1	0	24.89	24.89	24.71	23.75	23.70	23.70	24.89	24.79	24.75	24.72	24.77	24.78
		1	1	28.24	28.27	28.29	27.29	27.27	27.32	28.28	28.24	28.37	28.24	28.39	28.30
		1	243	28.28	28.25	28.29	27.24	27.38	27.28	28.22	28.31	28.40	28.30	28.30	28.21
		1	244	24.80	24.79	24.86	23.81	23.79	23.84	24.75	24.74	24.71	24.82	24.79	24.72
		120	60	28.77	28.77	28.86	27.78	27.74	27.79	28.72	28.81	28.72	28.82	28.90	28.85
		243	0	27.89	27.76	27.90	26.81	26.77	26.70	27.80	27.71	27.75	27.88	27.84	27.86
	16QAM	1	0	24.71	24.82	24.84	23.74	23.77	23.84	24.77	24.89	24.71	24.74	24.79	24.79
		1	1	27.20	27.36	27.37	26.29	26.31	26.40	27.30	27.34	27.35	27.26	27.28	27.40
		1	243	27.21	27.27	27.23	26.25	26.22	26.39	27.29	27.26	27.22	27.32	27.34	27.23
		1	244	24.78	24.81	24.78	23.78	23.70	23.72	24.75	24.78	24.81	24.81	24.75	24.88
		120	60	27.74	27.76	27.87	26.81	26.72	27.83	27.78	27.87	27.89	27.84	27.84	27.86
		243	0	26.90	26.84	26.80	25.89	25.85	25.84	26.72	26.73	26.72	26.77	26.76	26.75
	64QAM	1	0	24.86	24.70	24.87	23.74	23.81	23.79	24.75	24.78	24.80	24.73	24.75	24.74
		1	1	25.71	25.77	25.85	24.73	24.73	24.78	25.73	25.77	25.80	25.87	25.89	25.79
		1	243	25.80	25.85	25.81	24.82	24.85	24.86	25.86	25.75	25.76	25.71	25.70	25.82
		1	244	24.72	24.89	24.74	23.78	23.83	23.86	24.84	24.81	24.72	24.84	24.84	24.79
		120	60	26.33	26.23	26.35	25.35	25.22	25.33	26.39	26.33	26.25	26.37	26.31	26.22
		243	0	26.25	26.33	26.22	25.38	25.25	25.22	26.35	26.33	26.22	26.38	26.24	26.29
	256QAM	1	0	23.89	23.86	23.84	22.86	22.81	22.72	23.90	23.73	23.77	23.90	23.74	23.76
		1	1	23.77	23.83	23.89	22.74	22.80	22.71	23.82	23.70	23.80	23.88	23.74	23.71
		1	243	23.82	23.80	23.88	22.90	22.87	22.75	23.82	23.87	23.81	23.82	23.86	23.86
		1	244	23.88	23.85	23.78	22.72	22.90	22.79	23.82	23.73	23.78	23.85	23.71	23.84
		120	60	24.33	24.22	24.23	23.27	23.33	23.40	24.23	24.23	24.32	24.26	24.36	24.32
		243	0	24.21	24.22	24.24	23.36	23.39	23.35	24.21	24.40	24.22	24.39	24.21	24.23

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		24.84			23.77			24.71			24.71	
		1	1		28.27			27.33			28.37			28.38	
		1	271		28.33			27.33			28.34			28.34	
		1	272		24.79			23.76			24.74			24.76	
		135	67		28.99			27.98			28.98			28.99	
		270	0		28.39			27.29			28.33			28.31	
	QPSK	1	0		24.71			23.79			24.82			24.70	
		1	1		28.29			27.38			28.40			28.30	
		1	271		28.36			27.33			28.35			28.30	
		1	272		24.78			23.74			24.86			24.79	
		135	67		28.80			27.83			28.80			28.85	
		270	0		27.85			26.81			27.87			27.71	
	16QAM	1	0		24.73			23.79			24.87			24.80	
		1	1		27.24			26.22			27.20			27.37	
		1	271		27.32			26.37			27.33			27.38	
		1	272		25.00			23.82			24.83			24.78	
		135	67		27.73			26.76			27.88			27.74	
		270	0		26.73			25.85			26.74			26.75	
	64QAM	1	0		24.74			23.87			24.71			24.80	
		1	1		25.87			24.88			25.72			25.84	
		1	271		25.70			24.70			25.81			25.74	
		1	272		24.76			23.88			24.82			24.87	
		135	67		26.29			25.32			26.33			26.38	
		270	0		26.34			25.32			26.28			26.28	
	256QAM	1	0		23.78			22.90			23.89			23.81	
		1	1		23.87			22.76			23.81			23.87	
		1	271		23.89			22.87			23.72			23.82	
		1	272		23.70			22.86			23.86			23.87	
		135	67		24.32			23.34			24.31			24.27	
		270	0		24.31			23.32			24.37			24.35	

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

Test Engineer ID:	116057	Test Date:	2026-05-12
--------------------------	--------	-------------------	------------

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 3455.0 MHz	633332 3500.0 MHz	636332 3544.98 MHz	630333 3455.0 MHz	633332 3500.0 MHz	636333 3545.0 MHz
10.0	BPSK	1	0	27.79	27.76	27.71	27.88	27.87	27.78
		1	1	31.34	31.27	31.38	31.31	31.31	31.20
		1	22	31.32	31.31	31.25	31.31	31.35	31.31
		1	23	27.90	27.87	27.77	27.81	27.81	27.77
		12	6	32.00	32.00	32.00	32.00	32.00	32.00
		24	0	31.36	31.31	31.34	31.23	31.24	31.40
	QPSK	1	0	27.72	27.81	27.71	27.79	27.72	27.88
		1	1	31.33	31.38	31.38	31.35	31.33	31.31
		1	22	31.36	31.32	31.38	31.25	31.25	31.24
		1	23	27.79	27.72	27.77	27.84	27.87	27.77
		12	6	31.80	31.80	31.80	31.19	31.89	31.91
		24	0	30.89	30.88	30.39	30.76	30.78	29.29
	16QAM	1	0	27.90	27.71	27.79	27.75	27.78	27.74
		1	1	30.23	30.23	30.26	30.34	30.30	30.29
		1	22	30.37	30.26	30.28	30.26	30.35	30.30
		1	23	27.87	27.72	27.71	27.89	27.90	27.71
		12	6	30.85	30.73	30.86	30.73	30.82	30.79
		24	0	29.76	29.79	29.29	29.84	29.83	29.32
	64QAM	1	0	27.75	27.72	27.75	27.74	27.88	27.80
		1	1	28.89	28.80	28.78	28.82	28.76	28.86
		1	22	28.76	28.79	28.89	28.75	28.83	28.86
		1	23	27.87	27.73	27.85	27.72	27.88	27.80
		12	6	29.32	29.28	29.22	29.38	29.28	29.25
		24	0	29.24	29.31	29.27	29.35	29.28	29.40
	256QAM	1	0	26.90	26.78	26.72	26.81	26.86	26.86
		1	1	26.85	26.79	26.80	26.71	26.77	26.86
		1	22	26.71	26.87	26.83	26.74	26.82	26.79
		1	23	26.81	26.86	26.72	26.72	26.80	26.71
		12	6	27.32	27.34	27.21	27.26	27.32	27.20
		24	0	27.33	27.35	27.37	27.25	27.28	27.21

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 3457.5 MHz	633332 3500.0 MHz	636166 3542.5 MHz	630500 3457.5 MHz	633332 3500.0 MHz	636166 3542.5 MHz
15.0	BPSK	1	0	27.75	27.81	27.80	27.80	27.76	27.82
		1	1	31.24	31.21	31.27	31.28	31.29	31.36
		1	36	31.23	31.34	31.37	31.33	31.26	31.38
		1	37	27.78	27.81	27.82	27.77	27.77	27.90
		18	9	32.00	32.00	32.00	31.93	31.96	31.94
		36	0	31.21	31.28	30.36	31.27	31.32	31.28
	QPSK	1	0	27.85	27.80	27.90	27.74	27.83	27.77
		1	1	31.34	31.37	31.27	31.20	31.32	31.23
		1	36	31.25	31.28	31.26	31.27	31.22	31.20
		1	37	27.84	27.86	27.87	27.83	27.87	27.85
		18	9	31.80	31.80	31.80	31.88	31.84	31.75
		36	0	29.75	30.71	29.27	30.83	30.71	29.88
	16QAM	1	0	27.81	27.86	27.76	27.88	27.79	27.84
		1	1	30.39	30.21	30.29	30.40	30.21	30.25
		1	36	30.36	30.25	30.38	30.33	30.38	30.28
		1	37	27.89	27.73	27.80	27.90	27.74	27.73
		18	9	30.90	30.78	30.82	30.85	30.84	30.79
		36	0	29.90	29.74	29.28	29.74	29.79	29.83
	64QAM	1	0	27.75	27.82	27.77	27.86	27.76	27.75
		1	1	28.88	28.83	28.80	28.78	28.80	28.86
		1	36	28.76	28.70	28.82	28.84	28.72	28.84
		1	37	27.79	27.76	27.82	27.75	27.81	27.74
		18	9	29.32	29.40	29.29	29.32	29.24	29.21
		36	0	29.36	29.37	29.37	29.32	29.35	29.34
	256QAM	1	0	26.80	26.84	26.89	26.80	26.81	26.70
		1	1	26.85	26.75	26.75	26.87	26.73	26.89
		1	36	26.72	26.75	26.86	26.72	26.81	26.90
		1	37	26.87	26.84	26.87	26.80	26.77	26.87
		18	9	27.23	27.24	27.38	27.26	27.32	27.37
		36	0	27.21	27.30	27.25	27.24	27.31	27.33

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	633332	635998	630666	633332	635998
				3460.0 MHz	3500.0 MHz	3540.0 MHz	3460.0 MHz	3500.0 MHz	3540.0 MHz
20.0	BPSK	1	0	27.79	27.77	27.86	27.78	27.70	27.85
		1	1	31.38	31.32	31.35	31.38	31.29	31.32
		1	49	31.25	31.29	31.34	31.23	31.36	31.39
		1	50	27.83	27.71	27.90	27.85	27.87	27.81
		25	12	32.00	32.00	32.00	31.95	31.94	31.90
		50	0	31.25	31.38	31.28	31.23	31.30	31.21
	QPSK	1	0	27.74	27.73	27.78	27.83	27.81	27.78
		1	1	31.36	31.32	31.35	31.33	31.34	31.34
		1	49	31.28	31.23	31.26	31.22	31.32	31.29
		1	50	27.87	27.72	27.74	27.83	27.74	27.86
		25	12	31.80	31.80	31.80	31.91	31.90	31.77
		50	0	30.77	30.75	30.33	30.90	30.85	30.31
	16QAM	1	0	27.86	27.84	27.72	27.87	27.88	27.87
		1	1	30.37	30.23	30.37	30.32	30.20	30.32
		1	49	30.39	30.27	30.22	30.25	30.23	30.29
		1	50	27.72	27.77	27.84	27.71	27.76	27.76
		25	12	30.71	30.87	30.88	30.82	30.86	30.77
		50	0	29.75	29.78	29.26	29.79	29.81	29.35
	64QAM	1	0	27.71	27.86	27.76	27.78	27.87	27.74
		1	1	28.82	28.85	28.77	28.90	28.73	28.79
		1	49	28.76	28.87	28.87	28.84	28.84	28.70
		1	50	27.71	27.73	27.82	27.77	27.75	27.83
		25	12	29.22	29.39	29.33	29.26	29.24	29.27
		50	0	29.30	29.30	29.21	29.21	29.21	29.23
	256QAM	1	0	26.72	26.72	26.76	26.77	26.83	26.76
		1	1	26.72	26.78	26.85	26.72	26.85	26.75
		1	49	26.81	26.75	26.85	26.75	26.74	26.73
		1	50	26.84	26.80	26.71	26.89	26.79	26.77
		25	12	27.21	27.24	27.27	27.34	27.32	27.36
		50	0	27.40	27.29	27.32	27.39	27.36	27.34

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	633332	635832	630834	633332	635832
				3462.5 MHz	3500.0 MHz	3537.5 MHz	3462.5 MHz	3500.0 MHz	3537.5 MHz
25.0	BPSK	1	0	27.77	27.75	27.79	27.84	27.81	27.86
		1	1	31.21	31.29	31.34	31.38	31.21	31.40
		1	63	31.32	31.30	31.30	31.35	31.25	31.29
		1	64	27.90	27.74	27.80	27.71	27.72	27.89
		32	16	32.00	32.00	32.00	31.97	31.98	31.98
		64	0	31.22	31.22	30.26	31.38	31.35	31.32
	QPSK	1	0	27.81	27.80	27.77	27.84	27.88	27.82
		1	1	31.31	31.28	31.32	31.22	31.39	31.30
		1	63	31.39	31.23	31.30	31.30	31.28	31.39
		1	64	27.80	27.90	27.88	27.70	27.68	27.76
		32	16	31.80	31.80	31.80	31.97	31.95	31.91
		64	0	29.75	30.81	29.31	30.78	30.78	30.25
	16QAM	1	0	27.81	27.87	27.71	27.87	27.84	27.74
		1	1	30.29	30.26	30.28	30.35	30.38	30.30
		1	63	30.34	30.32	30.25	30.36	30.26	30.33
		1	64	27.70	27.74	27.72	27.75	27.71	27.76
		32	16	30.75	30.70	30.89	30.74	30.85	30.88
		64	0	29.77	29.81	29.22	29.78	29.85	29.73
	64QAM	1	0	27.86	27.85	27.88	27.87	27.83	27.75
		1	1	28.86	28.71	28.76	28.81	28.88	28.90
		1	63	28.85	28.81	28.84	28.78	28.81	28.78
		1	64	27.78	27.78	27.71	27.75	27.82	27.76
		32	16	29.31	29.38	29.32	29.34	29.28	29.27
		64	0	29.35	29.37	29.33	29.30	29.26	29.21
	256QAM	1	0	26.72	26.82	26.74	26.79	26.75	26.88
		1	1	26.76	26.88	26.81	26.75	26.75	26.86
		1	63	26.77	26.76	26.76	26.77	26.84	26.84
		1	64	26.82	26.78	26.80	26.79	26.81	26.73
		32	16	27.35	27.27	27.30	27.36	27.27	27.21
		64	0	27.31	27.36	27.39	27.26	27.25	27.21

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 3465.0 MHz	633332 3500.0MHz	635666 3535.0 MHz	631000 3465.0 MHz	633332 3500.0MHz	635666 3535.0 MHz
30.0	BPSK	1	0	27.85	27.80	27.81	27.84	27.82	27.76
		1	1	31.28	31.37	31.27	31.31	31.28	31.25
		1	76	31.23	31.37	31.38	31.29	31.36	31.27
		1	77	27.71	27.79	27.72	27.87	27.70	27.71
		36	18	32.00	32.00	32.00	31.93	31.94	31.94
		75	0	31.37	31.20	31.36	31.22	31.25	31.31
	QPSK	1	0	27.73	27.86	27.85	27.82	27.81	27.78
		1	1	31.32	31.33	31.29	31.31	31.27	31.20
		1	76	31.32	31.30	31.26	31.30	31.24	31.37
		1	77	27.70	27.79	27.79	27.71	27.77	27.74
		36	18	31.80	31.80	31.80	31.88	31.89	31.80
		75	0	30.77	30.88	30.21	30.87	30.89	30.33
	16QAM	1	0	27.82	27.89	27.73	27.79	27.76	27.73
		1	1	30.39	30.28	30.24	30.32	30.25	30.21
		1	76	30.33	30.36	30.32	30.21	30.33	30.22
		1	77	27.87	27.75	27.88	27.85	27.73	27.89
		36	18	30.81	30.85	30.77	30.80	30.87	30.78
		75	0	29.83	29.77	29.29	29.88	29.72	29.30
	64QAM	1	0	27.77	27.74	27.78	27.79	27.83	27.80
		1	1	28.78	28.72	28.86	28.87	28.80	28.79
		1	76	28.89	28.80	28.78	28.81	28.83	28.82
		1	77	27.73	27.79	27.89	27.79	27.80	27.71
		36	18	29.23	29.30	29.33	29.37	29.24	29.36
		75	0	29.33	29.38	29.23	29.37	29.23	29.40
	256QAM	1	0	26.70	26.72	26.71	26.86	26.76	26.72
		1	1	26.74	26.87	26.72	26.90	26.79	26.73
		1	76	26.78	26.85	26.76	26.90	26.80	26.70
		1	77	26.83	26.82	26.71	26.86	26.88	26.79
		36	18	27.22	27.22	27.30	27.21	27.34	27.22
		75	0	27.32	27.35	27.26	27.23	27.22	27.25

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 3470.0 MHz	633332 3500.0MHz	635332 3530.0MHz	631332 3470.0 MHz	633332 3500.0MHz	635332 3530.0MHz
40.0	BPSK	1	0	27.82	27.80	27.80	27.77	27.89	27.89
		1	1	31.26	31.32	31.29	31.27	31.37	31.29
		1	104	31.21	31.21	31.33	31.33	31.30	31.37
		1	105	27.90	27.78	27.78	27.88	27.80	27.73
		50	25	32.00	32.00	32.00	31.99	31.99	31.93
		100	0	31.30	31.38	31.41	31.31	31.35	31.29
	QPSK	1	0	27.80	27.74	27.72	27.73	27.82	27.89
		1	1	31.33	31.28	31.30	31.25	31.20	31.24
		1	104	31.32	31.32	31.29	31.37	31.30	31.28
		1	105	27.71	27.87	27.90	27.79	27.83	27.74
		50	25	31.80	31.80	31.80	31.91	31.92	31.87
		100	0	30.85	30.90	30.32	30.72	30.76	30.25
	16QAM	1	0	27.77	27.84	27.72	27.84	27.79	27.70
		1	1	30.28	30.23	30.28	30.21	30.34	30.27
		1	104	30.29	30.29	30.24	30.33	30.26	30.26
		1	105	27.83	27.80	27.89	27.83	27.76	27.88
		50	25	30.80	30.73	30.75	30.83	30.77	30.74
		100	0	29.74	29.73	29.35	29.78	29.84	29.25
	64QAM	1	0	27.88	27.87	27.71	27.87	27.73	27.79
		1	1	28.82	28.76	28.75	28.83	28.73	28.81
		1	104	28.82	28.76	28.80	28.86	28.84	28.86
		1	105	27.77	27.75	27.72	27.88	27.78	27.90
		50	25	29.24	29.23	29.29	29.23	29.23	29.38
		100	0	29.20	29.23	29.38	29.33	29.26	29.32
	256QAM	1	0	26.84	26.87	26.84	26.83	26.78	26.79
		1	1	26.90	26.87	26.76	26.78	26.83	26.90
		1	104	26.87	26.81	26.73	26.72	26.76	26.75
		1	105	26.85	26.81	26.72	26.83	26.80	26.80
		50	25	27.37	27.29	27.33	27.24	27.35	27.27
		100	0	27.29	27.37	27.37	27.22	27.22	27.35

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	27.79	27.71	27.79	27.86	27.76	27.83
		1	1	31.33	31.27	31.37	31.38	31.31	31.31
		1	131	31.31	31.34	31.25	31.24	31.38	31.49
		1	132	27.73	27.73	27.79	27.73	27.77	27.81
		64	32	32.00	32.00	32.00	31.99	31.97	31.96
		128	0	31.38	31.24	31.29	31.39	31.22	31.33
	QPSK	1	0	27.86	27.73	27.88	27.70	27.82	27.75
		1	1	31.31	31.34	31.20	31.26	31.33	31.23
		1	131	31.30	31.28	31.27	31.38	31.27	31.21
		1	132	27.76	27.86	27.78	27.89	27.87	27.79
		64	32	31.80	31.80	31.80	31.82	31.82	31.72
		128	0	30.90	30.77	30.38	30.76	30.71	30.27
	16QAM	1	0	27.79	27.83	27.75	27.87	27.76	27.77
		1	1	30.36	30.23	30.26	30.38	30.28	30.25
		1	131	30.38	30.31	30.30	30.27	30.35	30.29
		1	132	27.80	27.84	27.71	27.90	27.89	27.77
		64	32	30.75	30.81	30.76	30.81	30.89	30.78
		128	0	29.72	29.87	29.37	29.86	29.90	29.20
	64QAM	1	0	27.85	27.77	27.75	27.72	27.77	27.73
		1	1	28.86	28.71	28.87	28.84	28.72	28.74
		1	131	28.81	28.89	28.71	28.79	28.86	28.84
		1	132	27.73	27.74	27.83	27.89	27.83	27.78
		64	32	29.31	29.25	29.30	29.24	29.36	29.30
		128	0	29.22	29.38	29.37	29.23	29.40	29.25
	256QAM	1	0	26.81	26.87	26.79	26.80	26.77	26.85
		1	1	26.90	26.80	26.86	26.90	26.76	26.71
		1	131	26.90	26.71	26.90	26.88	26.83	26.72
		1	132	26.83	26.71	26.71	26.72	26.79	26.88
		64	32	27.37	27.25	27.23	27.39	27.37	27.39
		128	0	27.22	27.22	27.24	27.37	27.34	27.35

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	27.75	27.77	27.73	27.85	27.85	27.80
		1	1	31.37	31.33	31.22	31.49	31.38	31.36
		1	160	31.23	31.37	31.34	31.33	31.20	31.45
		1	161	27.73	27.70	27.88	27.86	27.89	27.80
		81	40	32.00	32.00	32.00	31.93	31.94	31.99
		162	0	31.37	31.22	30.29	31.21	31.21	30.32
	QPSK	1	0	27.88	27.72	27.74	27.79	27.83	27.84
		1	1	31.36	31.30	31.33	31.31	31.23	31.39
		1	160	31.26	31.34	31.33	31.32	31.44	31.39
		1	161	27.77	27.76	27.81	27.88	27.87	27.84
		81	40	31.80	31.80	31.80	31.53	31.55	31.61
		162	0	29.87	30.72	29.23	29.88	30.74	29.35
	16QAM	1	0	27.71	27.73	27.82	27.85	27.90	27.83
		1	1	30.33	30.27	30.33	30.31	30.26	30.34
		1	160	30.30	30.28	30.32	30.21	30.32	30.30
		1	161	27.80	27.73	27.72	27.84	27.87	27.81
		81	40	30.86	30.78	30.85	30.86	30.90	30.80
		162	0	29.90	29.82	29.22	29.73	29.82	29.39
	64QAM	1	0	27.83	27.85	27.85	27.80	27.70	27.74
		1	1	28.85	28.85	28.85	28.77	28.87	28.86
		1	160	28.83	28.80	28.74	28.79	28.83	28.70
		1	161	27.73	27.82	27.78	27.88	27.87	27.83
		81	40	29.21	29.30	29.27	29.27	29.28	29.20
		162	0	29.23	29.36	29.35	29.36	29.29	29.33
	256QAM	1	0	26.89	26.87	26.84	26.82	26.72	26.78
		1	1	26.89	26.79	26.82	26.77	26.73	26.73
		1	160	26.79	26.79	26.85	26.84	26.79	26.84
		1	161	26.79	26.82	26.79	26.87	26.75	26.84
		81	40	27.27	27.28	27.26	27.32	27.25	27.36
		162	0	27.29	27.27	27.26	27.35	27.36	27.26

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	27.74	27.87	27.73	27.74	27.71	27.81
		1	1	31.35	31.37	31.37	31.44	31.20	31.49
		1	187	31.24	31.36	31.23	31.44	31.47	31.38
		1	188	27.85	27.90	27.74	27.85	27.80	27.74
		90	45	32.00	32.00	32.00	31.95	31.96	31.99
		180	0	31.29	31.32	31.33	31.21	31.35	31.35
	QPSK	1	0	27.87	27.73	27.82	27.78	27.79	27.78
		1	1	31.23	31.29	31.20	31.34	31.24	31.21
		1	187	31.34	31.37	31.40	31.36	31.39	31.33
		1	188	27.81	27.79	27.74	27.74	27.80	27.87
		90	45	31.80	31.80	31.80	31.62	31.67	31.68
		180	0	30.81	30.80	30.43	30.67	30.81	30.43
	16QAM	1	0	27.84	27.82	27.84	27.83	27.72	27.83
		1	1	30.27	30.24	30.37	30.25	30.21	30.32
		1	187	30.30	30.29	30.33	30.28	30.23	30.34
		1	188	27.74	27.79	27.88	27.71	27.85	27.86
		90	45	30.83	30.85	30.81	30.89	30.77	30.82
		180	0	29.73	29.83	29.34	29.76	29.75	29.39
	64QAM	1	0	27.88	27.87	27.85	27.74	27.77	27.87
		1	1	28.71	28.72	28.86	28.75	28.79	28.87
		1	187	28.86	28.76	28.71	28.80	28.89	28.89
		1	188	27.87	27.70	27.88	27.82	27.71	27.84
		90	45	29.37	29.37	29.38	29.35	29.22	29.22
		180	0	29.36	29.22	29.24	29.24	29.35	29.32
	256QAM	1	0	26.71	26.82	26.88	26.83	26.79	26.76
		1	1	26.77	26.85	26.83	26.78	26.75	26.72
		1	187	26.83	26.83	26.73	26.82	26.73	26.76
		1	188	26.73	26.89	26.70	26.71	26.78	26.88
		90	45	27.23	27.39	27.38	27.22	27.38	27.24
		180	0	27.35	27.39	27.21	27.21	27.29	27.32

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	27.86	27.82	27.88	27.78	27.80	27.78
		1	1	31.27	31.25	31.37	31.40	31.21	31.23
		1	215	31.23	31.22	31.34	31.34	31.49	31.35
		1	216	27.90	27.78	27.73	27.82	27.89	27.74
		108	54	32.00	32.00	32.00	31.99	31.98	31.98
		216	0	31.27	31.22	31.41	31.32	31.26	31.33
	QPSK	1	0	27.75	27.83	27.75	27.84	27.77	27.75
		1	1	31.25	31.30	31.27	31.31	31.35	31.34
		1	215	31.34	31.39	31.21	31.34	31.35	31.26
		1	216	27.71	27.82	27.81	27.75	27.83	27.78
		108	54	31.80	31.80	31.80	31.90	31.85	31.93
		216	0	30.81	30.73	30.62	30.78	30.79	30.83
	16QAM	1	0	27.79	27.77	27.72	27.71	27.71	27.87
		1	1	30.33	30.32	30.36	30.39	30.35	30.29
		1	215	30.38	30.33	30.32	30.37	30.28	30.20
		1	216	27.71	27.79	27.82	27.82	27.76	27.84
		108	54	30.84	30.84	30.88	30.81	30.88	30.73
		216	0	29.82	29.80	29.24	29.77	29.76	29.30
	64QAM	1	0	27.87	27.72	27.86	27.79	27.78	27.88
		1	1	28.73	28.73	28.71	28.73	28.85	28.72
		1	215	28.88	28.72	28.74	28.86	28.82	28.86
		1	216	27.71	27.75	27.75	27.86	27.89	27.79
		108	54	29.23	29.21	29.24	29.38	29.28	29.33
		216	0	29.29	29.28	29.29	29.28	29.29	29.29
	256QAM	1	0	26.89	26.72	26.85	26.81	26.75	26.86
		1	1	26.86	26.73	26.87	26.86	26.86	26.72
		1	215	26.82	26.87	26.71	26.79	26.82	26.87
		1	216	26.72	26.89	26.86	26.81	26.73	26.71
		108	54	27.32	27.32	27.27	27.22	27.25	27.23
		216	0	27.38	27.34	27.24	27.23	27.27	27.25

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	27.77	27.76	27.84	27.76	27.82	27.73
		1	1	31.40	31.40	31.23	31.20	31.32	31.29
		1	243	31.39	31.40	31.23	31.30	31.25	31.28
		1	244	27.71	27.81	27.88	27.84	27.71	27.81
		120	60	32.00	32.00	32.00	32.00	32.00	32.00
		243	0	31.22	31.27	31.30	31.29	31.35	31.38
	QPSK	1	0	27.72	27.71	27.89	27.80	27.85	27.76
		1	1	31.24	31.26	31.37	31.23	31.22	31.31
		1	243	31.30	31.31	31.23	31.36	31.32	31.27
		1	244	27.71	27.86	27.87	27.79	27.88	27.78
		120	60	31.80	31.80	31.80	31.07	31.86	31.39
		243	0	30.82	30.71	30.32	30.84	30.74	30.42
	16QAM	1	0	27.70	27.77	27.79	27.73	27.72	27.89
		1	1	30.40	30.25	30.22	30.27	30.40	30.20
		1	243	30.31	30.30	30.34	30.36	30.38	30.32
		1	244	27.90	27.75	27.75	27.77	27.79	27.74
		120	60	30.71	30.73	30.89	30.80	30.87	30.74
		243	0	29.87	29.90	29.35	29.79	29.79	29.30
	64QAM	1	0	27.85	27.74	27.88	27.89	27.77	27.81
		1	1	28.84	28.74	28.71	28.72	28.77	28.78
		1	243	28.77	28.72	28.82	28.74	28.88	28.73
		1	244	27.74	27.74	27.83	27.81	27.73	27.76
		120	60	29.33	29.25	29.39	29.25	29.39	29.20
		243	0	29.21	29.26	29.37	29.33	29.38	29.28
	256QAM	1	0	26.82	26.87	26.75	26.80	26.75	26.89
		1	1	26.90	26.82	26.84	26.73	26.76	26.81
		1	243	26.80	26.84	26.80	26.90	26.82	26.89
		1	244	26.86	26.86	26.70	26.73	26.84	26.75
		120	60	27.29	27.36	27.30	27.38	27.31	27.24
		243	0	27.22	27.39	27.23	27.37	27.27	27.24

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 3500.0 MHz	N/A	N/A	633332 3500.0 MHz	N/A
100.0	BPSK	1	0		27.76			27.72	
		1	1		31.33			31.36	
		1	271		31.35			31.22	
		1	272		27.88			27.84	
		135	67		32.00			31.93	
		270	0		31.23			31.25	
	QPSK	1	0		27.79			27.87	
		1	1		31.39			31.21	
		1	271		31.23			31.24	
		1	272		27.85			27.81	
		135	67		31.80			31.80	
		270	0		30.88			30.71	
	16QAM	1	0		27.71			27.88	
		1	1		30.38			30.39	
		1	271		30.27			30.40	
		1	272		27.75			27.76	
		135	67		30.74			30.87	
		270	0		29.86			29.72	
	64QAM	1	0		27.88			27.79	
		1	1		28.86			28.88	
		1	271		28.88			28.72	
		1	272		27.88			27.87	
		135	67		29.26			29.36	
		270	0		29.27			29.28	
	256QAM	1	0		26.79			26.86	
		1	1		26.81			26.70	
		1	271		26.84			26.84	
		1	272		26.88			26.86	
		135	67		27.35			27.40	
		270	0		27.21			27.21	

8.3. 5G NR n77 (FCC Part 27 3700-3980MHz, SISO)**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 3705	656000 3840	665000 3975	647000 3705	656000 3840	665000 3975	647000 3705	656000 3840	665000 3975	647000 3705	656000 3840	665000 3975
10.0	BPSK	1	0	24.77	24.85	24.72	23.72	23.85	23.89	24.90	24.83	24.77	24.77	24.79	24.76
		1	1	28.35	28.34	28.23	27.28	27.22	27.34	28.29	28.27	28.31	28.29	28.37	28.25
		1	22	28.20	28.40	28.30	27.29	27.25	27.37	28.23	28.40	28.29	28.36	28.29	28.32
		1	23	24.84	24.72	24.79	23.85	23.98	23.85	24.81	24.71	24.75	24.84	24.89	24.82
		12	6	28.99	28.99	28.99	27.99	27.98	28.00	28.98	28.99	28.99	29.00	28.98	28.98
		24	0	28.31	28.29	28.25	27.31	27.27	27.35	28.40	28.33	28.23	28.23	28.27	28.27
	QPSK	1	0	24.77	24.88	24.81	23.83	23.86	23.76	24.72	24.75	24.82	24.70	24.90	24.88
		1	1	28.40	28.36	28.29	27.38	27.21	27.35	28.21	28.33	28.22	28.29	28.36	28.31
		1	22	28.37	28.36	28.39	27.33	27.34	27.37	28.24	28.26	28.39	28.37	28.23	28.28
		1	23	24.80	24.82	24.72	23.72	23.73	23.87	24.70	24.81	24.85	24.84	24.71	24.74
		12	6	28.78	28.90	28.73	27.85	27.90	27.88	28.89	28.90	28.77	28.74	28.81	28.84
		24	0	27.81	27.70	27.85	26.73	26.81	26.79	27.77	27.90	27.79	27.82	27.78	27.78
	16QAM	1	0	24.75	24.89	24.72	23.84	23.79	23.82	24.80	24.85	24.74	24.77	24.70	24.76
		1	1	27.31	27.32	27.29	26.36	26.29	26.29	27.20	27.25	27.30	27.31	27.21	27.38
		1	22	27.24	27.34	27.40	26.23	26.23	26.30	27.38	27.39	27.26	27.34	27.22	27.22
		1	23	24.77	24.82	24.70	23.84	23.87	23.89	24.73	24.83	24.73	24.77	24.78	24.78
		12	6	27.70	27.77	27.74	26.77	26.89	26.81	27.90	27.85	27.76	27.88	27.75	27.74
		24	0	26.86	26.86	26.86	25.89	25.82	25.85	26.71	26.76	26.72	26.72	26.76	26.78
	64QAM	1	0	24.76	24.80	24.76	23.79	23.75	23.71	24.86	24.87	24.88	24.80	24.87	24.81
		1	1	25.74	25.77	25.73	24.73	24.90	24.82	25.90	25.88	25.82	25.81	25.85	25.70
		1	22	25.83	25.88	25.87	24.86	24.74	24.82	25.85	25.71	25.75	25.71	25.90	25.76
		1	23	24.84	24.90	24.86	23.87	23.86	23.81	24.72	24.87	24.77	24.90	24.74	24.72
		12	6	26.32	26.31	26.37	25.26	25.38	25.31	26.28	26.25	26.34	26.37	26.22	26.29
		24	0	26.25	26.32	26.21	25.27	25.36	25.22	26.29	26.24	26.28	26.27	26.22	26.34
	256QAM	1	0	23.72	23.85	23.89	22.79	22.85	22.72	23.81	23.73	23.86	23.86	23.77	23.74
		1	1	23.73	23.81	23.76	22.83	22.73	22.75	23.88	23.81	23.85	23.81	23.80	23.87
		1	22	23.81	23.79	23.73	22.86	22.80	22.85	23.72	23.76	23.72	23.73	23.78	23.78
		1	23	23.81	23.79	23.76	22.79	22.89	22.82	23.79	23.86	23.75	23.85	23.79	23.76
		12	6	24.33	24.29	24.24	23.21	23.27	23.33	24.21	24.36	24.27	24.20	24.34	24.24
		24	0	24.25	24.34	24.27	23.25	23.20	23.37	24.38	24.27	24.35	24.30	24.22	24.38

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		
				647168 3707.5	656000 3840	664832 3972.5	647168 3707.5	656000 3840	664832 3972.5	647168 3707.5	656000 3840	664832 3972.5	647168 3707.5	656000 3840	664832 3972.5
15.0	BPSK	1	0	24.81	24.90	24.82	23.80	23.75	23.76	24.88	24.79	24.88	24.86	24.76	24.89
		1	1	28.22	28.24	28.31	27.28	27.36	27.35	28.28	28.39	28.26	28.22	28.37	28.24
		1	36	28.37	28.39	28.34	27.35	27.20	27.36	28.32	28.28	28.25	28.37	28.24	28.28
		1	37	24.79	24.78	24.71	23.89	23.82	23.86	24.81	24.78	24.80	24.73	24.85	24.76
		18	9	28.98	28.98	28.99	28.00	28.00	27.98	29.00	29.00	29.00	28.99	29.00	29.00
		36	0	28.37	28.22	28.24	27.33	27.36	27.25	28.35	28.36	28.22	28.31	28.26	28.26
	QPSK	1	0	24.88	24.90	24.87	23.76	23.86	23.81	24.77	24.84	24.70	24.78	24.79	24.79
		1	1	28.23	28.38	28.23	27.25	27.30	27.28	28.21	28.32	28.22	28.22	28.23	28.21
		1	36	28.39	28.40	28.35	27.33	27.28	27.25	28.25	28.24	28.39	28.31	28.35	28.31
		1	37	24.73	24.81	24.74	23.81	23.83	23.82	24.86	24.88	24.85	24.82	24.79	24.74
		18	9	28.78	28.74	28.89	27.78	27.73	27.80	28.82	28.86	28.72	28.72	28.73	28.89
		36	0	27.88	27.80	27.87	26.87	26.90	26.88	27.71	27.89	27.81	27.88	27.81	27.82
	16QAM	1	0	24.81	24.81	24.78	23.88	23.79	23.87	24.78	24.73	24.87	24.77	24.84	24.70
		1	1	27.24	27.21	27.24	26.24	26.33	26.30	27.38	27.37	27.35	27.25	27.24	27.30
		1	36	27.23	27.28	27.21	26.24	26.30	26.45	27.25	27.23	27.29	27.38	27.20	27.29
		1	37	24.74	24.86	24.86	23.83	23.86	23.98	24.83	24.74	24.76	24.88	24.77	24.84
		18	9	27.75	27.83	27.81	26.87	26.86	26.70	27.83	27.76	27.77	27.87	27.85	27.70
		36	0	26.85	26.80	26.79	25.83	25.78	25.77	26.77	26.80	26.70	26.77	26.88	26.82
	64QAM	1	0	24.80	24.71	24.86	23.72	23.78	23.88	24.86	24.81	24.88	24.73	24.81	24.83
		1	1	25.78	25.83	25.83	24.76	24.73	24.75	25.75	25.75	25.88	25.73	25.87	25.84
		1	36	25.74	25.73	25.73	24.71	24.75	24.80	25.77	25.77	25.85	25.81	25.90	25.72
		1	37	24.81	24.75	24.82	23.71	23.75	23.76	24.74	24.74	24.79	24.75	24.86	24.86
		18	9	26.31	26.34	26.27	25.35	25.32	25.22	26.38	26.24	26.21	26.33	26.35	26.32
		36	0	26.38	26.29	26.34	25.24	25.37	25.38	26.23	26.26	26.28	26.22	26.26	26.22
	256QAM	1	0	23.88	23.79	23.88	22.89	22.75	22.82	23.84	23.87	23.74	23.71	23.82	23.77
		1	1	23.88	23.70	23.85	22.88	22.80	22.86	23.72	23.80	23.77	23.84	23.78	23.83
		1	36	23.89	23.79	23.86	22.87	22.82	22.79	23.72	23.90	23.87	23.76	23.73	23.82
		1	37	23.82	23.82	23.73	22.78	22.74	22.90	23.80	23.84	23.73	23.70	23.80	23.82
		18	9	24.21	24.27	24.34	23.39	23.24	23.40	24.30	24.35	24.32	24.33	24.36	24.33
		36	0	24.31	24.27	24.33	23.27	23.25	23.40	24.25	24.25	24.24	24.28	24.37	24.23

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		
				647334	656000	664666	647334	656000	664666	647334	656000	664666	647334	656000	664666
20.0	BPSK	1	0	24.82	24.88	24.79	23.89	23.84	23.89	24.74	24.70	24.87	24.86	24.71	24.86
		1	1	28.24	28.33	28.23	27.36	27.25	27.37	28.26	28.24	28.26	28.22	28.24	28.37
		1	49	28.27	28.26	28.37	27.38	27.30	27.33	28.21	28.23	28.29	28.25	28.28	28.22
		1	50	24.79	24.72	24.84	23.75	23.90	23.89	24.71	24.83	24.84	24.83	24.80	24.78
		25	12	28.98	28.99	28.99	27.99	27.98	28.00	28.98	28.99	28.98	29.00	28.99	28.98
		50	0	28.25	28.35	28.34	27.26	27.33	27.30	28.39	28.31	28.26	28.39	28.34	28.39
	QPSK	1	0	24.83	24.74	24.76	23.70	23.72	23.82	24.79	24.74	24.89	24.89	24.71	24.86
		1	1	28.36	28.31	28.23	27.25	27.20	27.25	28.31	28.35	28.26	28.35	28.33	28.35
		1	49	28.23	28.31	28.33	27.37	27.34	27.34	28.23	28.28	28.21	28.29	28.35	28.23
		1	50	24.83	24.76	24.74	23.88	23.83	23.71	24.75	24.78	24.86	24.72	24.84	24.77
		25	12	28.74	28.85	28.74	27.76	27.87	27.83	28.88	28.88	28.89	28.74	28.89	28.84
		50	0	27.75	27.81	27.88	26.79	26.80	26.80	27.86	27.84	27.77	27.80	27.84	27.72
	16QAM	1	0	24.73	24.82	24.88	23.85	23.84	23.85	24.89	24.85	24.70	24.71	24.85	24.77
		1	1	27.39	27.33	27.25	26.30	26.23	26.35	27.35	27.23	27.21	27.28	27.20	27.35
		1	49	27.35	27.40	27.21	26.24	26.39	26.48	27.35	27.32	27.37	27.32	27.25	27.34
		1	50	24.83	24.70	24.72	23.79	23.75	23.83	24.85	24.76	24.72	24.79	24.89	24.73
		25	12	27.86	27.85	27.88	26.76	26.76	26.72	27.88	27.77	27.75	27.86	27.71	27.80
		50	0	26.89	26.86	26.81	25.76	25.76	25.75	26.78	26.75	26.74	26.77	26.74	26.78
	64QAM	1	0	24.79	24.74	24.90	23.71	23.90	23.85	24.73	24.73	24.77	24.75	24.87	24.85
		1	1	25.82	25.80	25.87	24.81	24.74	24.82	25.78	25.88	25.90	25.81	25.76	25.78
		1	49	25.70	25.81	25.83	24.70	24.71	24.73	25.89	25.86	25.83	25.77	25.84	25.77
		1	50	24.82	24.77	24.70	23.80	23.88	23.86	24.81	24.71	24.82	24.75	24.72	24.79
		25	12	26.39	26.31	26.38	25.24	25.34	25.32	26.39	26.22	26.20	26.28	26.35	26.32
		50	0	26.20	26.23	26.38	25.35	25.32	25.23	26.23	26.33	26.37	26.21	26.35	26.36
	256QAM	1	0	23.90	23.77	23.75	22.88	22.76	22.77	23.78	23.75	23.78	23.71	23.79	23.86
		1	1	23.86	23.75	23.83	22.86	22.87	22.83	23.77	23.85	23.82	23.73	23.75	23.82
		1	49	23.71	23.83	23.87	22.80	22.74	22.79	23.83	23.70	23.80	23.85	23.77	23.79
		1	50	23.87	23.74	23.73	22.81	22.82	22.89	23.73	23.87	23.86	23.82	23.78	23.73
		25	12	24.35	24.30	24.28	23.32	23.23	23.21	24.32	24.34	24.29	24.34	24.25	24.24
		50	0	24.33	24.37	24.28	23.34	23.23	23.22	24.37	24.40	24.37	24.33	24.21	24.34

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	24.79	24.83	24.79	23.79	23.75	23.77	24.70	24.73	24.88	24.79	24.73	24.70
		1	1	28.24	28.39	28.21	27.32	27.38	27.37	28.36	28.23	28.27	28.37	28.32	28.20
		1	63	28.30	28.33	28.33	27.20	27.29	27.37	28.39	28.35	28.22	28.35	28.38	28.27
		1	64	24.71	24.81	24.89	23.76	23.88	23.73	24.87	24.88	24.79	24.79	24.74	24.75
		32	16	28.98	28.98	29.00	27.98	27.98	28.00	28.98	28.99	28.99	28.99	28.98	28.99
		64	0	28.21	28.25	28.39	27.29	27.27	27.31	28.33	28.29	28.31	28.31	28.31	28.28
	QPSK	1	0	24.75	24.75	24.70	23.81	23.83	23.75	24.79	24.82	24.72	24.70	24.72	24.80
		1	1	28.37	28.20	28.24	27.31	27.27	27.28	28.23	28.35	28.28	28.30	28.26	28.34
		1	63	28.37	28.24	28.23	27.23	27.25	27.21	28.34	28.23	28.39	28.32	28.29	28.36
		1	64	24.73	24.85	24.81	23.79	23.88	23.81	24.80	24.83	24.83	24.70	24.86	24.81
		32	16	28.74	28.78	28.73	27.76	27.78	27.77	28.87	28.76	28.77	28.86	28.81	28.78
		64	0	27.73	27.77	27.87	26.79	26.83	26.76	27.73	27.81	27.88	27.84	27.90	27.74
	16QAM	1	0	24.77	24.72	24.84	23.86	23.86	23.90	24.77	24.74	24.82	24.71	24.80	24.82
		1	1	27.38	27.22	27.38	26.26	26.27	26.21	27.32	27.23	27.36	27.23	27.32	27.37
		1	63	27.21	27.27	27.30	26.38	26.37	26.30	27.38	27.23	27.37	27.21	27.23	27.22
		1	64	24.85	24.84	24.86	23.71	23.72	23.77	24.85	24.76	24.70	24.84	24.87	24.78
		32	16	27.86	27.88	27.88	26.71	26.74	26.89	27.80	27.74	27.70	27.81	27.85	27.88
		64	0	26.76	26.80	26.87	25.72	25.80	25.72	26.86	26.88	26.73	26.83	26.86	26.84
	64QAM	1	0	24.83	24.73	24.71	23.73	23.80	23.84	24.86	24.86	24.89	24.76	24.71	24.79
		1	1	25.90	25.83	25.85	24.90	24.81	24.84	25.77	25.70	25.80	25.80	25.77	25.75
		1	63	25.83	25.79	25.73	24.89	24.76	24.84	25.89	25.81	25.81	25.87	25.89	25.82
		1	64	24.83	24.86	24.89	23.71	23.89	23.86	24.82	24.82	24.78	24.79	24.88	24.72
		32	16	26.26	26.39	26.39	25.32	25.29	25.24	26.33	26.35	26.21	26.23	26.26	26.38
		64	0	26.38	26.31	26.21	25.24	25.33	25.38	26.38	26.39	26.32	26.20	26.35	26.21
	256QAM	1	0	23.75	23.74	23.70	22.89	22.89	22.83	23.84	23.79	23.81	23.73	23.76	23.85
		1	1	23.89	23.85	23.88	22.73	22.76	22.71	23.88	23.82	23.89	23.87	23.77	23.80
		1	63	23.79	23.89	23.76	22.75	22.77	22.87	23.74	23.80	23.88	23.79	23.74	23.80
		1	64	23.71	23.85	23.79	22.73	22.73	22.77	23.75	23.79	23.81	23.79	23.84	23.74
		32	16	24.28	24.24	24.36	23.31	23.40	23.34	24.32	24.35	24.21	24.32	24.29	24.28
		64	0	24.34	24.36	24.31	23.36	23.31	23.27	24.28	24.26	24.31	24.31	24.23	24.30

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		
				647668	656000	664332	647668	656000	664332	647668	656000	664332	647668	656000	664332
30.0	BPSK	1	0	24.87	24.78	24.82	23.72	23.75	23.82	24.87	24.72	24.70	24.79	24.73	24.80
		1	1	28.24	28.25	28.21	27.22	27.34	27.35	28.28	28.39	28.27	28.31	28.38	28.25
		1	76	28.39	28.36	28.34	27.35	27.38	27.27	28.20	28.26	28.28	28.28	28.36	28.37
		1	77	24.79	24.80	24.73	23.78	23.74	23.89	24.90	24.83	24.72	24.80	24.90	24.71
		36	18	28.98	28.98	29.00	27.99	28.00	27.99	28.99	28.99	28.99	29.00	28.98	28.98
		75	0	28.28	28.39	28.31	27.24	27.34	27.26	28.25	28.24	28.33	28.24	28.37	28.28
	QPSK	1	0	24.71	24.72	24.74	23.75	23.81	23.76	24.70	24.83	24.89	24.81	24.72	24.81
		1	1	28.32	28.24	28.30	27.39	27.30	27.28	28.27	28.29	28.36	28.37	28.26	28.23
		1	76	28.38	28.31	28.22	27.31	27.27	27.20	28.33	28.31	28.38	28.33	28.34	28.39
		1	77	24.86	24.82	24.87	23.87	23.82	23.74	24.70	24.75	24.72	24.70	24.85	24.90
		36	18	28.79	28.71	28.79	27.90	27.81	27.89	28.80	28.76	28.85	28.84	28.87	28.74
		75	0	27.77	27.81	27.83	26.74	26.87	26.73	27.74	27.71	27.87	27.79	27.82	27.79
	16QAM	1	0	24.71	24.78	24.86	23.85	23.79	23.89	24.86	24.73	24.89	24.81	24.85	24.86
		1	1	27.24	27.28	27.27	26.39	26.21	26.28	27.38	27.38	27.38	27.23	27.20	27.23
		1	76	27.23	27.25	27.21	26.29	26.37	26.36	27.39	27.37	27.32	27.29	27.32	27.37
		1	77	24.78	24.84	24.90	23.79	23.88	23.82	24.86	24.81	24.83	24.83	24.84	24.86
		36	18	27.87	27.88	27.82	26.82	26.77	26.71	27.70	27.85	27.80	27.81	27.75	27.73
		75	0	26.75	26.83	26.85	25.83	25.85	25.80	26.72	26.71	26.80	26.86	26.75	26.73
	64QAM	1	0	24.89	24.75	24.71	23.87	23.82	23.81	24.75	24.79	24.76	24.72	24.88	24.80
		1	1	25.81	25.80	25.76	24.87	24.77	24.72	25.72	25.71	25.79	25.80	25.85	25.81
		1	76	25.71	25.74	25.85	24.76	24.87	24.86	25.72	25.76	25.88	25.76	25.74	25.79
		1	77	24.72	24.84	24.72	23.73	23.70	23.79	24.85	24.84	24.81	24.90	24.90	24.73
		36	18	26.21	26.33	26.38	25.21	25.22	25.34	26.37	26.21	26.39	26.39	26.32	26.35
		75	0	26.31	26.33	26.33	25.28	25.25	25.33	26.28	26.24	26.36	26.29	26.30	26.27
	256QAM	1	0	23.85	23.84	23.88	22.79	22.74	22.88	23.84	23.75	23.70	23.87	23.77	23.72
		1	1	23.90	23.85	23.82	22.75	22.70	22.88	23.72	23.75	23.86	23.89	23.81	23.73
		1	76	23.88	23.79	23.74	22.82	22.73	22.79	23.81	23.76	23.84	23.79	23.84	23.74
		1	77	23.73	23.88	23.86	22.80	22.89	22.85	23.84	23.74	23.70	23.88	23.70	23.82
		36	18	24.21	24.23	24.23	23.38	23.31	23.25	24.21	24.29	24.31	24.23	24.24	24.30
		75	0	24.37	24.38	24.37	23.31	23.39	23.36	24.24	24.33	24.38	24.36	24.37	24.31

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	24.80	24.75	24.74	23.78	23.71	23.80	24.77	24.76	24.84	24.87	24.88	24.76
		1	1	28.37	28.40	28.34	27.23	27.38	27.37	28.34	28.35	28.26	28.22	28.40	28.20
		1	104	28.23	28.31	28.32	27.27	27.33	27.40	28.39	28.26	28.33	28.33	28.34	28.20
		1	105	24.70	24.82	24.78	23.88	23.88	23.75	24.87	24.88	24.82	24.79	24.78	24.87
		50	25	29.00	28.98	29.00	28.00	27.99	27.99	28.99	28.98	28.98	28.99	29.00	29.00
		100	0	28.26	28.27	28.23	27.25	27.22	27.21	28.29	28.32	28.27	28.21	28.25	28.24
	QPSK	1	0	24.86	24.87	24.86	23.74	23.87	23.89	24.83	24.74	24.85	24.82	24.83	24.81
		1	1	28.36	28.38	28.33	27.37	27.30	27.40	28.36	28.24	28.26	28.28	28.21	28.29
		1	104	28.39	28.21	28.39	27.21	27.22	27.25	28.25	28.40	28.29	28.39	28.31	28.33
		1	105	24.70	24.86	24.77	23.89	23.72	23.71	24.84	24.74	24.81	24.82	24.83	24.82
		50	25	28.79	28.70	28.73	27.73	27.86	27.87	28.87	28.88	28.76	28.74	28.80	28.72
		100	0	27.86	27.84	27.75	26.87	26.83	26.82	27.82	27.79	27.78	27.86	27.74	27.77
	16QAM	1	0	24.80	24.79	24.85	23.86	23.82	23.75	24.78	24.89	24.75	24.77	24.71	24.78
		1	1	27.36	27.33	27.27	26.39	26.40	26.30	27.30	27.26	27.32	27.38	27.28	27.38
		1	104	27.24	27.25	27.37	26.30	26.25	26.24	27.37	27.34	27.39	27.32	27.23	27.36
		1	105	24.83	24.79	24.86	23.78	23.84	23.82	24.77	24.77	24.79	24.77	24.84	24.75
		50	25	27.84	27.72	27.73	26.83	26.80	26.75	27.90	27.80	27.79	27.72	27.77	27.84
		100	0	26.71	26.78	26.81	25.80	25.76	25.73	26.78	26.87	26.76	26.90	26.72	26.81
	64QAM	1	0	24.73	24.88	24.71	23.87	23.80	23.73	24.73	24.73	24.82	24.79	24.89	24.83
		1	1	25.81	25.87	25.71	24.79	24.76	24.81	25.71	25.75	25.76	25.84	25.78	25.87
		1	104	25.75	25.71	25.79	24.75	24.72	24.77	25.86	25.75	25.77	25.85	25.77	25.82
		1	105	24.79	24.82	24.77	23.89	23.77	23.80	24.84	24.87	24.82	24.72	24.80	24.83
		50	25	26.33	26.37	26.37	25.23	25.38	25.22	26.29	26.26	26.39	26.20	26.40	26.27
		100	0	26.35	26.20	26.28	25.21	25.30	25.24	26.39	26.32	26.32	26.31	26.20	26.25
	256QAM	1	0	23.75	23.81	23.86	22.76	22.86	22.90	23.82	23.89	23.73	23.83	23.75	23.76
		1	1	23.83	23.80	23.88	22.86	22.84	22.88	23.88	23.77	23.74	23.70	23.74	23.87
		1	104	23.85	23.89	23.77	22.71	22.74	22.74	23.77	23.86	23.75	23.74	23.77	23.74
		1	105	23.79	23.81	23.82	22.82	22.84	22.84	23.81	23.89	23.80	23.85	23.85	23.79
		50	25	24.35	24.39	24.33	23.27	23.35	23.28	24.31	24.34	24.35	24.32	24.21	24.25
		100	0	24.21	24.22	24.27	23.22	23.39	23.32	24.37	24.30	24.24	24.35	24.21	24.26

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		
				648334	656000	663666	648334	656000	663666	648334	656000	663666	648334	656000	663666
50.0	BPSK	1	0	24.77	24.77	24.90	23.73	23.84	23.73	24.73	24.74	24.84	24.81	24.80	24.94
		1	1	28.33	28.26	28.36	27.31	27.24	27.26	28.26	28.21	28.38	28.40	28.33	28.47
		1	131	28.36	28.25	28.34	27.39	27.28	27.26	28.39	28.21	28.27	28.21	28.29	28.45
		1	132	24.90	24.78	24.81	23.80	23.76	23.87	24.84	24.76	24.71	24.71	24.76	24.76
		64	32	28.98	28.96	28.96	28.00	27.97	27.99	28.97	28.97	29.00	28.99	28.98	29.00
		128	0	28.37	28.31	28.29	27.20	27.30	27.27	28.35	28.38	28.28	28.26	28.36	28.27
	QPSK	1	0	24.74	24.77	24.77	23.85	23.84	23.77	24.89	24.74	24.78	24.75	24.80	24.77
		1	1	28.24	28.28	28.22	27.32	27.34	27.31	28.34	28.28	28.32	28.24	28.38	28.38
		1	131	28.21	28.29	28.33	27.24	27.22	27.33	28.22	28.24	28.22	28.34	28.31	28.31
		1	132	24.86	24.86	24.88	23.81	23.82	23.81	24.85	24.85	24.75	24.88	24.89	24.73
		64	32	28.89	28.83	28.88	27.85	27.77	27.76	28.85	28.81	28.89	28.74	28.89	28.77
		128	0	27.73	27.82	27.86	26.71	26.82	26.73	27.75	27.74	27.72	27.84	27.86	27.89
	16QAM	1	0	24.76	24.71	24.88	23.84	23.84	23.89	24.87	24.87	24.76	24.95	24.78	24.86
		1	1	27.31	27.27	27.22	26.37	26.23	26.25	27.22	27.25	27.35	27.39	27.32	27.22
		1	131	27.26	27.25	27.30	26.30	26.39	26.20	27.38	27.37	27.34	27.38	27.28	27.28
		1	132	24.74	24.81	24.72	23.73	23.84	23.78	24.83	24.74	24.90	24.72	24.77	25.00
		64	32	27.75	27.82	27.70	26.73	26.83	26.84	27.81	27.81	27.70	27.78	27.71	27.70
		128	0	26.85	26.88	26.70	25.90	25.80	25.74	26.87	26.74	26.90	26.71	26.77	26.75
	64QAM	1	0	24.86	24.90	24.84	23.74	23.86	23.76	24.81	24.73	24.75	24.73	24.74	24.89
		1	1	25.83	25.76	25.75	24.75	24.85	24.80	25.89	25.83	25.85	25.88	25.84	25.72
		1	131	25.77	25.80	25.77	24.70	24.88	24.81	25.85	25.84	25.74	25.78	25.81	25.74
		1	132	24.70	24.80	24.71	23.74	23.89	23.87	24.86	24.72	24.72	24.78	24.76	24.86
		64	32	26.31	26.27	26.31	25.24	25.39	25.22	26.26	26.36	26.23	26.36	26.38	26.29
		128	0	26.28	26.32	26.39	25.28	25.26	25.33	26.37	26.23	26.26	26.24	26.39	26.40
	256QAM	1	0	23.79	23.86	23.72	22.87	22.78	22.81	23.77	23.78	23.73	23.83	23.85	23.76
		1	1	23.85	23.84	23.88	22.78	22.82	22.87	23.79	23.72	23.90	23.74	23.75	23.87
		1	131	23.82	23.73	23.90	22.73	22.82	22.75	23.88	23.78	23.83	23.83	23.83	23.80
		1	132	23.79	23.83	23.83	22.87	22.80	22.86	23.71	23.71	23.85	23.80	23.83	23.72
		64	32	24.29	24.26	24.25	23.38	23.36	23.29	24.37	24.29	24.30	24.21	24.25	24.27
		128	0	24.24	24.35	24.36	23.27	23.24	23.21	24.21	24.35	24.37	24.20	24.36	24.27

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		
				648668	656000	663332	648668	656000	663332	648668	656000	663332	648668	656000	663332
60.0	BPSK	1	0	24.82	24.78	24.73	23.72	23.80	23.81	24.75	24.88	24.84	24.89	24.71	25.00
		1	1	28.22	28.26	28.22	27.32	27.36	27.33	28.25	28.20	28.24	28.28	28.29	28.24
		1	160	28.40	28.38	28.40	27.27	27.32	27.26	28.30	28.37	28.31	28.33	28.36	28.26
		1	161	24.79	24.74	24.71	23.82	23.76	23.74	24.82	24.84	24.83	24.90	24.90	24.77
		81	40	28.99	28.97	28.97	27.97	28.00	28.00	28.99	28.98	28.98	28.96	29.00	28.99
		162	0	28.26	28.31	28.32	27.35	27.36	27.22	28.38	28.36	28.34	28.32	28.30	28.29
	QPSK	1	0	24.82	24.70	24.75	23.89	23.75	23.83	24.85	24.78	24.73	24.75	24.72	24.76
		1	1	28.25	28.33	28.24	27.36	27.21	27.26	28.30	28.28	28.32	28.20	28.28	28.31
		1	160	28.40	28.21	28.35	27.21	27.34	27.33	28.20	28.28	28.37	28.40	28.20	28.28
		1	161	24.81	24.90	24.90	23.88	23.81	23.88	24.83	24.85	24.82	24.82	24.83	24.87
		81	40	28.71	28.85	28.83	27.89	27.79	27.75	28.73	28.70	28.78	28.77	28.73	28.89
		162	0	27.84	27.80	27.75	26.85	26.76	26.81	27.83	27.75	27.74	27.73	27.78	27.71
	16QAM	1	0	24.76	24.78	24.90	23.74	23.85	23.76	24.84	24.78	24.76	24.88	24.79	24.90
		1	1	27.25	27.30	27.33	26.20	26.38	26.28	27.23	27.23	27.27	27.30	27.21	27.37
		1	160	27.23	27.25	27.26	26.38	26.27	26.26	27.25	27.25	27.27	27.34	27.36	27.35
		1	161	24.89	24.77	24.77	23.78	23.82	23.75	24.82	24.87	24.87	24.70	24.73	24.70
		81	40	27.79	27.87	27.72	26.83	26.78	26.84	27.71	27.86	27.75	27.83	27.82	27.84
		162	0	26.89	26.77	26.86	25.76	25.84	25.81	26.82	26.79	26.76	26.76	26.76	26.82
	64QAM	1	0	24.82	24.89	24.84	23.73	23.79	23.81	24.83	24.85	24.74	24.85	24.86	24.79
		1	1	25.87	25.84	25.76	24.78	24.71	24.72	25.77	25.71	25.76	25.74	25.84	25.88
		1	160	25.85	25.87	25.77	24.88	24.88	24.80	25.78	25.86	25.77	25.72	25.72	25.84
		1	161	24.80	24.76	24.74	23.83	23.80	23.80	24.87	24.88	24.88	24.72	24.80	24.77
		81	40	26.22	26.40	26.30	25.20	25.26	25.29	26.36	26.24	26.27	26.36	26.23	26.28
		162	0	26.26	26.40	26.39	25.29	25.31	25.24	26.39	26.30	26.22	26.36	26.38	26.34
	256QAM	1	0	23.76	23.79	23.90	22.73	22.82	22.82	23.89	23.90	23.83	23.83	23.85	23.88
		1	1	23.77	23.74	23.80	22.89	22.80	22.90	23.88	23.71	23.74	23.89	23.79	23.84
		1	160	23.72	23.73	23.75	22.85	22.79	22.71	23.85	23.71	23.79	23.71	23.87	23.87
		1	161	23.88	23.72	23.85	22.81	22.71	22.89	23.70	23.76	23.79	23.90	23.79	23.86
		81	40	24.26	24.30	24.36	23.21	23.22	23.32	24.20	24.26	24.33	24.38	24.32	24.39
		162	0	24.37	24.28	24.30	23.26	23.25	23.28	24.31	24.36	24.24	24.35	24.36	24.33

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	24.90	24.79	24.89	23.71	23.89	23.89	24.90	24.83	24.80	24.84	24.84	24.72
		1	1	28.38	28.37	28.33	27.23	27.29	27.20	28.27	28.39	28.20	28.36	28.26	28.40
		1	187	28.39	28.24	28.22	27.29	27.27	27.27	28.32	28.23	28.35	28.31	28.29	28.31
		1	188	24.74	24.82	24.79	23.77	23.75	23.86	24.87	24.75	24.77	24.72	24.88	24.85
		90	45	28.97	28.97	28.97	27.96	27.99	28.00	28.97	28.98	28.99	28.97	28.99	28.99
		180	0	28.21	28.33	28.27	27.37	27.22	27.29	28.25	28.29	28.25	28.38	28.27	28.35
	QPSK	1	0	24.83	24.85	24.81	23.78	23.82	23.81	24.72	24.87	24.75	24.87	24.75	24.82
		1	1	28.20	28.36	28.23	27.34	27.27	27.37	28.23	28.39	28.30	28.29	28.38	28.31
		1	187	28.30	28.28	28.22	27.28	27.39	27.27	28.26	28.25	28.24	28.39	28.39	28.31
		1	188	24.83	24.76	24.71	23.78	23.70	23.90	24.83	24.83	24.84	24.75	24.72	24.78
		90	45	28.89	28.82	28.82	27.82	27.89	27.74	28.83	28.80	28.78	28.77	28.74	28.88
		180	0	27.86	27.87	27.73	26.70	26.82	26.72	27.84	27.71	27.88	27.84	27.78	27.74
	16QAM	1	0	24.71	24.71	24.73	23.73	23.87	23.82	24.79	24.85	24.74	24.75	24.83	24.78
		1	1	27.30	27.21	27.26	26.24	26.28	26.38	27.39	27.24	27.37	27.33	27.28	27.50
		1	187	27.24	27.38	27.29	26.38	26.27	26.39	27.35	27.31	27.38	27.38	27.29	27.40
		1	188	24.75	24.74	24.83	23.72	23.80	23.88	24.87	24.87	24.71	24.77	24.83	24.94
		90	45	27.77	27.79	27.77	26.77	26.78	26.79	27.73	27.81	27.84	27.75	27.88	27.76
		180	0	26.76	26.85	26.77	25.74	25.89	25.87	26.70	26.83	26.89	26.88	26.85	26.82
	64QAM	1	0	24.72	24.72	24.80	23.80	23.77	23.74	24.81	24.89	24.87	24.72	24.79	24.82
		1	1	25.87	25.84	25.84	24.83	24.86	24.82	25.89	25.80	25.85	25.76	25.86	25.80
		1	187	25.76	25.71	25.85	24.80	24.87	24.78	25.85	25.80	25.74	25.77	25.86	25.75
		1	188	24.78	24.83	24.74	23.71	23.84	23.77	24.87	24.78	24.71	24.80	24.85	24.84
		90	45	26.23	26.36	26.26	25.26	25.32	25.25	26.33	26.35	26.20	26.35	26.26	26.30
		180	0	26.28	26.22	26.27	25.21	25.34	25.37	26.20	26.35	26.24	26.38	26.22	26.37
	256QAM	1	0	23.87	23.84	23.80	22.74	22.83	22.90	23.80	23.70	23.84	23.80	23.76	23.82
		1	1	23.84	23.80	23.89	22.86	22.74	22.71	23.75	23.72	23.87	23.73	23.72	23.83
		1	187	23.73	23.85	23.90	22.74	22.77	22.88	23.75	23.89	23.74	23.80	23.75	23.87
		1	188	23.78	23.85	23.84	22.85	22.88	22.79	23.81	23.71	23.85	23.76	23.88	23.71
		90	45	24.25	24.33	24.36	23.37	23.26	23.31	24.32	24.21	24.25	24.40	24.27	24.30
		180	0	24.23	24.35	24.32	23.24	23.36	23.21	24.21	24.29	24.29	24.27	24.21	24.40

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		
				649334	656000	662666	649334	656000	662666	649334	656000	662666	649334	656000	662666
80.0	BPSK	1	0	24.72	24.84	24.82	23.84	23.77	23.89	24.80	24.82	24.85	24.77	24.83	24.85
		1	1	28.30	28.29	28.29	27.32	27.39	27.35	28.21	28.39	28.21	28.21	28.28	28.29
		1	215	28.30	28.40	28.35	27.29	27.40	27.40	28.20	28.39	28.40	28.25	28.34	28.21
		1	216	24.83	24.84	24.75	23.82	23.77	23.81	24.76	24.84	24.71	24.75	24.85	24.85
		108	54	28.96	29.00	28.99	28.00	28.00	27.97	28.98	29.00	28.98	29.00	28.99	28.97
		216	0	28.26	28.24	28.30	27.24	27.28	27.34	28.36	28.39	28.33	28.29	28.26	28.26
	QPSK	1	0	24.75	24.76	24.75	23.74	23.80	23.78	24.70	24.87	24.72	24.73	24.84	24.71
		1	1	28.27	28.20	28.24	27.34	27.37	27.20	28.37	28.26	28.24	28.21	28.37	28.34
		1	215	28.26	28.31	28.33	27.34	27.20	27.22	28.24	28.39	28.29	28.34	28.30	28.22
		1	216	24.73	24.88	24.77	23.72	23.82	23.84	24.88	24.86	24.70	24.80	24.77	24.89
		108	54	28.70	28.80	28.84	27.71	27.71	27.77	28.81	28.89	28.81	28.77	28.84	28.74
		216	0	27.79	27.83	27.75	26.89	26.78	26.80	27.78	27.70	27.85	27.87	27.71	27.78
	16QAM	1	0	24.79	24.84	24.86	23.77	23.73	23.79	24.81	24.74	24.75	24.83	24.75	24.78
		1	1	27.29	27.34	27.40	26.26	26.39	26.27	27.32	27.28	27.23	27.21	27.38	27.37
		1	215	27.34	27.21	27.35	26.40	26.23	26.26	27.33	27.33	27.29	27.25	27.27	27.21
		1	216	24.86	24.71	24.86	23.73	23.76	23.76	24.89	24.81	24.79	24.80	24.72	24.82
		108	54	27.81	27.83	27.74	26.88	26.73	26.76	27.72	27.81	27.74	27.74	27.82	27.73
		216	0	26.84	26.84	26.77	25.74	25.73	25.74	26.72	26.87	26.87	26.72	26.72	26.86
	64QAM	1	0	24.74	24.76	24.80	23.88	23.82	23.86	24.79	24.89	24.86	24.83	24.76	24.82
		1	1	25.70	25.82	25.72	24.79	24.79	24.84	25.89	25.90	25.83	26.00	25.87	25.77
		1	215	25.89	25.87	25.86	24.73	24.75	24.89	25.74	25.90	25.84	25.71	25.83	25.71
		1	216	24.85	24.83	24.87	23.75	23.74	23.73	24.73	24.80	24.90	24.76	24.72	24.77
		108	54	26.23	26.25	26.28	25.33	25.34	25.24	26.38	26.27	26.22	26.20	26.36	26.20
		216	0	26.28	26.30	26.33	25.34	25.34	25.32	26.37	26.37	26.27	26.24	26.37	26.39
	256QAM	1	0	23.81	23.87	23.72	22.73	22.80	22.90	23.86	23.89	23.81	23.85	23.74	23.80
		1	1	23.84	23.75	23.75	22.88	22.86	22.89	23.83	23.83	23.89	23.75	23.87	23.75
		1	215	23.87	23.87	23.89	22.76	22.89	22.77	23.75	23.78	23.73	23.71	23.88	23.90
		1	216	23.87	23.78	23.76	22.72	22.71	22.80	23.82	23.80	23.76	23.75	23.85	23.85
		108	54	24.27	24.31	24.36	23.33	23.31	23.25	24.33	24.25	24.26	24.25	24.32	24.26
		216	0	24.27	24.34	24.31	23.39	23.35	23.23	24.35	24.36	24.33	24.29	24.25	24.36

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		
				649668	656000	662332	649668	656000	662332	649668	656000	662332	649668	656000	662332
90.0	BPSK	1	0	24.76	24.74	24.81	23.79	23.88	23.83	24.82	24.79	24.74	24.73	24.78	24.73
		1	1	28.22	28.29	28.26	27.37	27.33	27.27	28.24	28.20	28.25	28.35	28.32	28.27
		1	243	28.21	28.22	28.26	27.37	27.33	27.21	28.28	28.28	28.32	28.32	28.31	28.30
		1	244	24.83	24.75	24.81	23.82	23.86	23.78	24.82	24.84	24.70	24.75	24.89	24.84
		120	60	28.96	28.97	28.97	28.00	27.96	27.98	29.00	29.00	28.98	28.99	28.96	29.00
		243	0	28.27	28.32	28.30	27.36	27.24	27.27	28.30	28.22	28.30	28.31	28.31	28.29
	QPSK	1	0	24.88	24.88	24.79	23.72	23.83	23.90	24.75	24.87	24.88	24.83	24.75	24.81
		1	1	28.31	28.32	28.26	27.22	27.30	27.34	28.26	28.29	28.27	28.32	28.36	28.23
		1	243	28.28	28.23	28.22	27.24	27.26	27.24	28.29	28.30	28.29	28.24	28.21	28.38
		1	244	24.80	24.79	24.86	23.90	23.88	23.80	24.85	24.89	24.76	24.74	24.76	24.87
		120	60	28.74	28.74	28.83	27.79	27.84	27.80	28.87	28.72	28.86	28.88	28.85	28.79
		243	0	27.81	27.81	27.78	26.81	26.89	26.81	27.82	27.78	27.74	27.82	27.82	27.73
	16QAM	1	0	24.81	24.84	24.87	23.83	23.77	23.76	24.88	24.82	24.71	24.86	24.70	24.86
		1	1	27.22	27.37	27.30	26.22	26.31	26.26	27.37	27.38	27.36	27.32	27.37	27.35
		1	243	27.25	27.32	27.22	26.24	26.38	26.22	27.32	27.27	27.33	27.38	27.24	27.37
		1	244	24.70	24.85	24.80	23.78	23.79	23.81	24.74	24.83	24.87	24.82	24.89	24.84
		120	60	27.78	27.73	27.71	26.86	26.70	26.87	27.89	27.85	27.74	27.70	27.85	27.81
		243	0	26.88	26.77	26.80	25.76	25.86	25.71	26.81	26.87	26.76	26.84	26.88	26.79
	64QAM	1	0	24.80	24.72	24.77	23.81	23.89	23.79	24.76	24.73	24.78	24.74	24.75	24.73
		1	1	25.73	25.83	25.85	24.78	24.72	24.88	25.82	25.88	25.72	25.72	25.84	25.84
		1	243	25.81	25.84	25.77	24.72	24.77	24.72	25.78	25.86	25.87	25.70	25.81	25.77
		1	244	24.80	24.77	24.79	23.90	23.71	23.88	24.77	24.70	24.79	24.86	24.78	24.80
		120	60	26.24	26.27	26.32	25.31	25.26	25.27	26.20	26.32	26.32	26.36	26.20	26.38
		243	0	26.34	26.40	26.35	25.21	25.40	25.21	26.37	26.22	26.25	26.37	26.24	26.23
	256QAM	1	0	23.84	23.90	23.88	22.83	22.71	22.82	23.76	23.87	23.85	23.78	23.70	23.78
		1	1	23.76	23.77	23.83	22.74	22.73	22.79	23.78	23.74	23.71	23.75	23.84	23.80
		1	243	23.77	23.83	23.71	22.90	22.80	22.84	23.72	23.73	23.79	23.75	23.87	23.72
		1	244	23.74	23.90	23.83	22.71	22.83	22.87	23.71	23.73	23.74	23.78	23.77	23.84
		120	60	24.21	24.27	24.35	23.31	23.33	23.35	24.25	24.36	24.24	24.33	24.39	24.26
		243	0	24.21	24.30	24.28	23.22	23.35	23.30	24.39	24.22	24.30	24.36	24.39	24.28

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	24.75	24.71	24.73	23.84	23.84	23.72	24.86	24.72	24.88	24.84	24.80	24.85
		1	1	28.29	28.37	28.30	27.39	27.33	27.34	28.26	28.40	28.29	28.38	28.40	28.32
		1	271	28.27	28.39	28.35	27.22	27.23	27.37	28.23	28.33	28.26	28.21	28.31	28.39
		1	272	24.83	24.88	24.80	23.78	23.81	23.82	24.88	24.77	24.83	24.87	24.85	24.71
		135	67	28.99	28.97	28.98	27.99	27.99	27.96	28.99	28.97	28.99	28.96	28.97	29.00
		270	0	28.23	28.21	28.31	27.26	27.33	27.34	28.25	28.25	28.35	28.29	28.33	28.40
	QPSK	1	0	24.71	24.89	24.75	23.79	23.70	23.78	24.72	24.75	24.71	24.76	24.80	24.75
		1	1	28.30	28.26	28.36	27.27	27.40	27.38	28.29	28.27	28.26	28.35	28.29	28.37
		1	271	28.22	28.25	28.31	27.31	27.29	27.28	28.25	28.38	28.33	28.23	28.36	28.27
		1	272	24.82	24.70	24.73	23.86	23.78	23.88	24.81	24.89	24.87	24.89	24.89	24.72
		135	67	28.83	28.84	28.71	27.84	27.84	27.86	28.71	28.83	28.79	28.72	28.80	28.85
		270	0	27.85	27.83	27.85	26.70	26.76	26.75	27.90	27.80	27.90	27.88	27.87	27.78
	16QAM	1	0	24.88	24.88	24.78	23.72	23.74	23.82	24.73	24.73	24.81	24.88	24.71	24.90
		1	1	27.32	27.37	27.20	26.34	26.35	26.22	27.22	27.26	27.27	27.34	27.33	27.29
		1	271	27.36	27.21	27.32	26.35	26.34	26.22	27.22	27.36	27.33	27.20	27.34	27.31
		1	272	24.89	24.72	24.81	23.88	23.80	23.81	24.71	24.81	24.77	24.70	24.90	24.72
		135	67	27.83	27.81	27.82	26.86	26.79	26.88	27.82	27.71	27.71	27.78	27.82	27.88
		270	0	26.73	26.88	26.86	25.82	25.89	25.80	26.75	26.70	26.83	26.86	26.81	26.85
	64QAM	1	0	24.90	24.74	24.83	23.85	23.74	23.75	24.72	24.88	24.89	24.82	24.74	24.87
		1	1	25.75	25.71	25.78	24.86	24.82	24.85	25.79	25.87	25.72	25.72	25.81	25.76
		1	271	25.86	25.90	25.77	24.74	24.84	24.71	25.72	25.75	25.71	25.90	25.71	25.78
		1	272	24.85	24.78	24.75	23.74	23.72	23.74	24.74	24.77	24.87	24.74	24.80	24.76
		135	67	26.38	26.21	26.38	25.24	25.36	25.28	26.24	26.35	26.21	26.28	26.35	26.28
		270	0	26.21	26.35	26.34	25.28	25.25	25.33	26.38	26.31	26.26	26.31	26.30	26.28
	256QAM	1	0	23.87	23.75	23.71	22.82	22.83	22.82	23.89	23.84	23.87	23.77	23.76	23.78
		1	1	23.82	23.83	23.89	22.71	22.88	22.84	23.79	23.82	23.72	23.78	23.72	23.77
		1	271	23.74	23.80	23.75	22.87	22.90	22.88	23.75	23.77	23.83	23.84	23.75	23.86
		1	272	23.75	23.81	23.88	22.90	22.71	22.81	23.71	23.78	23.89	23.86	23.81	23.78
		135	67	24.22	24.24	24.25	23.24	23.24	23.40	24.31	24.39	24.29	24.36	24.30	24.39
		270	0	24.36	24.39	24.22	23.39	23.28	23.20	24.31	24.33	24.38	24.26	24.36	24.37

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

Test Engineer ID:	115434	Test Date:	2026-05-01
--------------------------	--------	-------------------	------------

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	656000	665000	647000	656000	665000
10.0	BPSK	1	0	3705.0 MHz	3840.0 MHz	3975.0 MHz	3705.0 MHz	3840.0 MHz	3975.0 MHz
			0	27.90	27.77	27.86	27.86	27.76	27.79
			1	31.35	31.31	31.29	31.34	31.20	31.37
		1	22	31.20	31.31	31.23	31.39	31.38	31.35
			23	27.71	27.74	27.76	27.76	27.89	27.84
		12	6	32.00	32.00	32.00	31.96	31.99	31.97
			0	31.39	31.23	31.21	31.35	31.35	31.39
		24	0	27.71	27.74	27.84	27.71	27.76	27.70
			1	31.23	31.38	31.31	31.34	31.35	31.38
			22	31.38	31.25	31.21	31.32	31.35	31.20
		1	23	27.88	27.74	27.88	27.74	27.83	27.79
			6	31.80	31.80	31.80	31.75	31.95	31.86
			0	30.75	30.86	31.35	30.77	30.73	30.34
	QPSK	1	0	27.73	27.79	27.76	27.76	27.85	27.73
			1	30.35	30.37	30.23	30.28	30.22	30.39
			22	30.38	30.35	30.28	30.29	30.35	30.22
		1	23	27.83	27.73	27.70	27.84	27.90	27.83
			6	30.79	30.85	30.82	30.77	30.80	30.78
		24	0	29.73	29.80	29.24	29.90	29.88	29.26
			1	27.86	27.86	27.79	27.81	27.85	27.88
			1	28.87	28.70	28.89	28.82	28.74	28.87
		1	22	28.86	28.83	28.74	28.79	28.85	28.89
			23	27.70	27.84	27.83	27.77	27.85	27.75
			6	29.24	29.30	29.23	29.21	29.26	29.40
		24	0	29.28	29.26	29.38	29.33	29.36	29.22
	64QAM	1	0	26.82	26.89	26.72	26.82	26.80	26.71
			1	26.79	26.74	26.90	26.79	26.90	26.76
			22	26.74	26.83	26.72	26.76	26.76	26.78
		1	23	26.81	26.81	26.90	26.79	26.89	26.74
			6	27.27	27.34	27.30	27.23	27.34	27.27
		24	0	27.23	27.26	27.30	27.26	27.39	27.29
	256QAM	1	0	26.82	26.89	26.72	26.82	26.80	26.71
			1	26.79	26.74	26.90	26.79	26.90	26.76
			22	26.74	26.83	26.72	26.76	26.76	26.78
		1	23	26.81	26.81	26.90	26.79	26.89	26.74
			6	27.27	27.34	27.30	27.23	27.34	27.27
		24	0	27.23	27.26	27.30	27.26	27.39	27.29

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	656000	664833	647166	656000	664833
15.0	BPSK	1	0	3707.5 MHz	3840.0 MHz	3972.5 MHz	3707.5 MHz	3840.0 MHz	3972.5 MHz
			0	27.72	27.87	27.78	27.74	27.76	27.79
			1	31.24	31.32	31.24	31.39	31.37	31.21
		1	36	31.35	31.24	31.34	31.27	31.38	31.35
			37	27.77	27.80	27.76	27.85	27.78	27.77
		18	9	32.00	32.00	32.00	31.97	31.99	31.94
			0	31.26	31.27	30.23	31.35	31.27	30.37
		36	0	27.88	27.76	27.70	27.85	27.78	27.71
			1	31.35	31.23	31.32	31.29	31.25	31.29
			36	31.36	31.20	31.30	31.32	31.33	31.23
	QPSK	1	37	27.80	27.79	27.88	27.83	27.81	27.79
			9	31.80	31.80	31.80	31.81	31.50	31.13
			0	29.89	30.75	29.31	29.78	30.79	29.35
		1	0	27.73	27.73	27.74	27.86	27.84	27.78
			1	30.33	30.37	30.29	30.35	30.25	30.32
			36	30.20	30.20	30.37	30.30	30.40	30.30
		1	37	27.86	27.88	27.82	27.88	27.85	27.82
			9	30.87	30.90	30.86	30.87	30.83	30.81
			0	29.78	29.72	29.20	29.79	29.74	29.26
	16QAM	1	0	27.84	27.80	27.83	27.82	27.83	27.78
			1	28.83	28.70	28.78	28.72	28.87	28.82
			36	28.78	28.85	28.83	28.73	28.78	28.75
		1	37	27.82	27.78	27.75	27.90	27.83	27.77
			9	29.39	29.29	29.29	29.20	29.31	29.24
			0	29.20	29.22	29.33	29.37	29.33	29.22
	64QAM	1	0	26.89	26.81	26.86	26.75	26.77	26.73
			1	26.80	26.79	26.87	26.72	26.86	26.90
			36	26.73	26.72	26.87	26.82	26.80	26.75
		1	37	26.83	26.87	26.75	26.71	26.88	26.84
			9	27.22	27.35	27.39	27.27	27.24	27.36
			0	27.38	27.21	27.34	27.28	27.31	27.23

OUTPUT POWER FOR 5G NR n77 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8		664666	ANT 7+8		664666
				647333	656000		647333	656000	
				3710.0 MHz	3840.0 MHz	3970.0 MHz	3710.0 MHz	3840.0 MHz	3970.0 MHz
20.0	BPSK	1	0	27.74	27.83	27.89	27.86	27.80	27.72
		1	1	31.21	31.31	31.34	31.27	31.21	31.31
		1	49	31.39	31.26	31.23	31.39	31.32	31.32
		1	50	27.85	27.78	27.77	27.86	27.71	27.72
		25	12	32.00	32.00	32.00	31.97	31.99	31.96
		50	0	31.34	31.30	31.28	31.31	31.22	31.37
	QPSK	1	0	27.75	27.80	27.72	27.80	27.81	27.74
		1	1	31.37	31.25	31.36	31.39	31.26	31.21
		1	49	31.29	31.27	31.36	31.37	31.30	31.29
		1	50	27.73	27.80	27.84	27.71	27.83	27.70
		25	12	31.80	31.80	31.80	31.95	31.41	31.65
		50	0	30.77	30.88	30.33	30.75	30.86	30.39
	16QAM	1	0	27.78	27.78	27.88	27.71	27.79	27.79
		1	1	30.39	30.33	30.25	30.33	30.21	30.37
		1	49	30.39	30.34	30.38	30.23	30.26	30.33
		1	50	27.73	27.87	27.72	27.71	27.90	27.86
		25	12	30.72	30.77	30.87	30.84	30.89	30.78
		50	0	29.86	29.81	29.28	29.85	29.90	29.27
	64QAM	1	0	27.81	27.75	27.81	27.73	27.75	27.85
		1	1	28.77	28.86	28.72	28.70	28.85	28.80
		1	49	28.81	28.85	28.78	28.72	28.84	28.81
		1	50	27.83	27.84	27.90	27.79	27.79	27.88
		25	12	29.39	29.33	29.34	29.23	29.35	29.23
		50	0	29.38	29.24	29.34	29.25	29.33	29.39
	256QAM	1	0	26.78	26.85	26.79	26.81	26.73	26.73
		1	1	26.75	26.86	26.82	26.70	26.90	26.89
		1	49	26.84	26.74	26.88	26.90	26.79	26.77
		1	50	26.76	26.84	26.79	26.82	26.80	26.72
		25	12	27.30	27.22	27.28	27.23	27.27	27.25
		50	0	27.39	27.22	27.36	27.23	27.39	27.38

OUTPUT POWER FOR 5G NR n77 (25.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8		664500	ANT 7+8		664500
				647500	656000		647500	656000	
				3712.5 MHz	3840.0 MHz	3967.5 MHz	3712.5 MHz	3840.0 MHz	3967.5 MHz
25.0	BPSK	1	0	27.71	27.72	27.73	27.70	27.79	27.79
		1	1	31.33	31.31	31.23	31.45	31.24	31.43
		1	63	31.21	31.24	31.30	31.47	31.35	31.39
		1	64	27.73	27.82	27.71	27.87	27.76	27.86
		32	16	32.00	32.00	32.00	31.92	31.99	31.93
		64	0	31.23	31.35	31.33	31.39	31.31	31.21
	QPSK	1	0	27.79	27.86	27.88	27.78	27.87	27.88
		1	1	31.40	31.37	31.39	31.21	31.38	31.36
		1	63	31.25	31.31	31.23	31.29	31.44	31.41
		1	64	27.74	27.82	27.76	27.87	27.88	27.76
		32	16	31.80	31.80	31.80	31.67	31.59	31.55
		64	0	30.74	30.75	30.34	30.89	30.80	30.25
	16QAM	1	0	27.80	27.74	27.70	27.75	27.90	27.79
		1	1	30.25	30.35	30.24	30.36	30.30	30.40
		1	63	30.32	30.24	30.28	30.38	30.26	30.26
		1	64	27.82	27.84	27.84	27.89	27.78	27.89
		32	16	30.87	30.88	30.71	30.72	30.87	30.80
		64	0	29.85	29.73	29.21	29.72	29.88	29.29
	64QAM	1	0	27.80	27.84	27.77	27.89	27.71	27.84
		1	1	28.77	28.87	28.88	28.81	28.82	28.81
		1	63	28.80	28.72	28.89	28.90	28.89	28.77
		1	64	27.81	27.87	27.77	27.89	27.74	27.82
		32	16	29.25	29.31	29.31	29.36	29.34	29.27
		64	0	29.36	29.36	29.24	29.32	29.22	29.28
	256QAM	1	0	26.83	26.82	26.81	26.79	26.84	26.71
		1	1	26.84	26.90	26.75	26.79	26.87	26.75
		1	63	26.73	26.71	26.89	26.80	26.78	26.86
		1	64	26.77	26.73	26.88	26.73	26.78	26.79
		32	16	27.22	27.38	27.37	27.35	27.34	27.27
		64	0	27.37	27.21	27.35	27.23	27.31	27.26

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	656000	664333	647666	656000	664333
30.0	BPSK	1	0	3715.0 MHz	3840.0 MHz	3965.0 MHz	3715.0 MHz	3840.0 MHz	3965.0 MHz
		1	0	27.75	27.70	27.89	27.83	27.70	27.72
		1	1	31.27	31.35	31.34	31.28	31.35	31.36
		1	76	31.30	31.27	31.22	31.38	31.27	31.28
		1	77	27.81	27.89	27.85	27.81	27.79	27.71
		36	18	32.00	32.00	32.00	32.00	32.00	31.97
	QPSK	75	0	31.25	31.22	31.34	31.30	31.32	31.33
		1	0	27.85	27.73	27.83	27.87	27.82	27.73
		1	1	31.34	31.33	31.25	31.33	31.28	31.28
		1	76	31.39	31.30	31.26	31.40	31.22	31.27
		1	77	27.88	27.89	27.77	27.80	27.72	27.85
		36	18	31.80	31.80	31.80	31.09	31.03	31.92
	16QAM	75	0	30.88	30.74	30.29	30.74	30.79	30.26
		1	0	27.71	27.86	27.90	27.84	27.77	27.71
		1	1	30.30	30.35	30.22	30.40	30.32	30.27
		1	76	30.32	30.39	30.25	30.20	30.24	30.29
		1	77	27.78	27.76	27.83	27.82	27.81	27.72
		36	18	30.83	30.89	30.86	30.79	30.71	30.72
	64QAM	75	0	29.88	29.73	29.22	29.71	29.76	29.27
		1	0	27.81	27.86	27.75	27.73	27.70	27.81
		1	1	28.75	28.87	28.85	28.71	28.89	28.74
		1	76	28.71	28.75	28.71	28.79	28.73	28.76
		1	77	27.81	27.70	27.71	27.81	27.74	27.79
		36	18	29.22	29.21	29.25	29.22	29.26	29.33
	256QAM	75	0	29.23	29.27	29.27	29.38	29.22	29.23
		1	0	26.82	26.87	26.70	26.81	26.82	26.72
		1	1	26.88	26.71	26.89	26.76	26.71	26.72
		1	76	26.77	26.77	26.70	26.88	26.89	26.76
		1	77	26.76	26.83	26.80	26.86	26.84	26.80
		36	18	27.28	27.21	27.37	27.36	27.35	27.31
		75	0	27.35	27.21	27.32	27.40	27.23	27.27

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	656000	664000	648000	656000	664000
40.0	BPSK	1	0	3720.0 MHz	3840.0 MHz	3960.0 MHz	3720.0 MHz	3840.0 MHz	3960.0 MHz
		1	0	27.72	27.85	27.77	27.87	27.82	27.75
		1	1	31.39	31.27	31.32	31.36	31.30	31.33
		1	104	31.25	31.25	31.28	31.34	31.35	31.30
		1	105	27.72	27.89	27.84	27.79	27.78	27.87
		50	25	32.00	32.00	32.00	31.98	31.95	32.00
	QPSK	100	0	31.34	31.38	31.22	31.24	31.39	30.71
		1	0	27.76	27.86	27.88	27.84	27.78	27.86
		1	1	31.38	31.24	31.40	31.25	31.27	31.22
		1	104	31.28	31.38	31.40	31.25	31.25	31.24
		1	105	27.72	27.73	27.87	27.77	27.79	27.80
		50	25	31.80	31.80	31.80	31.88	31.83	31.75
	16QAM	100	0	30.73	30.87	30.93	30.89	30.83	30.37
		1	0	27.81	27.77	27.82	27.87	27.85	27.79
		1	1	30.38	30.23	30.31	30.29	30.34	30.32
		1	104	30.34	30.37	30.38	30.33	30.28	30.27
		1	105	27.85	27.89	27.90	27.71	27.78	27.79
		50	25	30.80	30.85	30.76	30.76	30.83	30.74
	64QAM	100	0	29.90	29.75	29.34	29.74	29.89	29.85
		1	0	27.88	27.82	27.89	27.72	27.80	27.83
		1	1	28.87	28.71	28.73	28.89	28.76	28.78
		1	104	28.85	28.79	28.77	28.73	28.87	28.81
		1	105	27.79	27.88	27.84	27.72	27.82	27.77
		50	25	29.37	29.28	29.24	29.27	29.23	29.31
	256QAM	100	0	29.23	29.25	29.32	29.35	29.36	29.28
		1	0	26.84	26.85	26.81	26.76	26.72	26.86
		1	1	26.73	26.78	26.87	26.77	26.72	26.79
		1	104	26.81	26.72	26.80	26.73	26.82	26.82
		1	105	26.88	26.85	26.87	26.76	26.70	26.70
		50	25	27.21	27.24	27.26	27.28	27.20	27.27
		100	0	27.33	27.37	27.39	27.38	27.36	27.26

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 3725.0 MHz	656000 3840.0 MHz	663666 3955.0 MHz	648333 3725.0 MHz	656000 3840.0 MHz	663666 3955.0 MHz
50.0	BPSK	1	0	27.72	27.88	27.77	27.86	27.88	27.75
		1	1	31.40	31.33	31.21	31.38	31.22	31.29
		1	131	31.28	31.34	31.34	31.29	31.37	31.38
		1	132	27.73	27.89	27.76	27.82	27.79	27.82
		64	32	32.00	32.00	32.00	31.97	32.00	31.96
		128	0	31.34	31.32	31.27	31.32	31.38	31.31
	QPSK	1	0	27.84	27.76	27.70	27.73	27.80	27.79
		1	1	31.27	31.39	31.39	31.34	31.21	31.27
		1	131	31.36	31.35	31.37	31.23	31.36	31.26
		1	132	27.74	27.73	27.85	27.70	27.73	27.71
		64	32	31.80	31.80	31.80	31.77	31.81	31.74
		128	0	30.72	30.85	30.43	30.44	30.85	30.34
	16QAM	1	0	27.76	27.78	27.79	27.84	27.89	27.73
		1	1	30.33	30.20	30.24	30.31	30.35	30.35
		1	131	30.25	30.39	30.23	30.38	30.36	30.31
		1	132	27.85	27.89	27.71	27.70	27.73	27.72
		64	32	30.77	30.78	30.75	30.71	30.77	30.77
		128	0	29.83	29.76	29.21	29.25	29.80	29.35
	64QAM	1	0	27.77	27.77	27.81	27.75	27.73	27.72
		1	1	28.71	28.88	28.76	28.76	28.88	28.80
		1	131	28.81	28.74	28.75	28.85	28.83	28.85
		1	132	27.80	27.71	27.81	27.73	27.83	27.79
		64	32	29.36	29.24	29.38	29.23	29.31	29.22
		128	0	29.26	29.24	29.31	29.25	29.34	29.32
	256QAM	1	0	26.89	26.77	26.73	26.73	26.78	26.86
		1	1	26.71	26.82	26.89	26.81	26.78	26.85
		1	131	26.84	26.72	26.78	26.74	26.86	26.75
		1	132	26.83	26.75	26.81	26.80	26.86	26.84
		64	32	27.29	27.33	27.33	27.24	27.36	27.34
		128	0	27.28	27.37	27.32	27.22	27.32	27.31

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 3730.0 MHz	656000 3840.0 MHz	663333 3950.0 MHz	648666 3730.0 MHz	656000 3840.0 MHz	663333 3950.0 MHz
60.0	BPSK	1	0	27.75	27.85	27.89	27.87	27.81	27.77
		1	1	31.24	31.27	31.35	31.24	31.28	31.29
		1	160	31.24	31.27	31.27	31.27	31.24	31.22
		1	161	27.75	27.79	27.79	27.72	27.75	27.85
		81	40	32.00	32.00	32.00	31.97	31.99	31.96
		162	0	31.35	31.28	31.39	31.29	31.32	31.33
	QPSK	1	0	27.78	27.79	27.85	27.90	27.83	27.80
		1	1	31.36	31.38	31.26	31.35	31.35	31.35
		1	160	31.29	31.35	31.30	31.26	31.32	31.25
		1	161	27.87	27.70	27.83	27.87	27.87	27.78
		81	40	31.80	31.80	31.80	31.85	31.98	31.82
		162	0	30.76	30.83	30.53	30.76	30.89	30.81
	16QAM	1	0	27.86	27.78	27.76	27.83	27.90	27.88
		1	1	30.27	30.29	30.35	30.35	30.26	30.38
		1	160	30.22	30.22	30.25	30.23	30.33	30.26
		1	161	27.79	27.87	27.76	27.83	27.88	27.87
		81	40	30.74	30.80	30.74	30.84	30.71	30.80
		162	0	29.70	29.73	29.24	29.80	29.71	29.82
	64QAM	1	0	27.82	27.75	27.82	27.80	27.72	27.88
		1	1	28.86	28.87	28.90	28.90	28.82	28.77
		1	160	28.74	28.79	28.73	28.76	28.87	28.80
		1	161	27.82	27.78	27.89	27.71	27.78	27.72
		81	40	29.36	29.27	29.39	29.23	29.32	29.26
		162	0	29.20	29.31	29.26	29.34	29.22	29.25
	256QAM	1	0	26.72	26.77	26.71	26.88	26.79	26.75
		1	1	26.80	26.78	26.77	26.87	26.73	26.74
		1	160	26.86	26.81	26.80	26.80	26.88	26.79
		1	161	26.73	26.88	26.82	26.76	26.90	26.78
		81	40	27.34	27.29	27.27	27.21	27.35	27.28
		162	0	27.33	27.33	27.24	27.23	27.21	27.29

OUTPUT POWER FOR 5G NR n77 (70.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8		663000	ANT 7+8		663000
				649000	656000		649000	656000	
				3735.0 MHz	3840.0 MHz	3945.0 MHz	3735.0 MHz	3840.0 MHz	3945.0 MHz
70.0	BPSK	1	0	27.79	27.73	27.70	27.84	27.78	27.81
		1	1	31.22	31.40	31.26	31.29	31.28	31.24
		1	187	31.23	31.26	31.22	31.38	31.33	31.31
		1	188	27.71	27.88	27.76	27.75	27.71	27.79
		90	45	32.00	32.00	32.00	32.00	31.92	31.94
		180	0	31.35	31.26	31.22	31.22	31.39	31.22
	QPSK	1	0	27.72	27.75	27.79	27.84	27.82	27.75
		1	1	31.35	31.31	31.38	31.22	31.29	31.27
		1	187	31.33	31.22	31.25	31.38	31.39	31.30
		1	188	27.87	27.81	27.89	27.85	27.78	27.73
		90	45	31.80	31.80	31.80	31.77	31.99	31.95
		180	0	30.75	30.80	30.43	30.77	30.87	30.83
	16QAM	1	0	27.78	27.74	27.80	27.85	27.90	27.72
		1	1	30.20	30.22	30.32	30.21	30.35	30.31
		1	187	30.38	30.21	30.33	30.31	30.38	30.37
		1	188	27.72	27.88	27.71	27.75	27.86	27.73
		90	45	30.73	30.72	30.88	30.74	30.77	30.78
		180	0	29.83	29.88	29.25	29.83	29.86	29.79
	64QAM	1	0	27.79	27.82	27.75	27.82	27.90	27.88
		1	1	28.74	28.79	28.85	28.78	28.90	28.74
		1	187	28.86	28.76	28.81	28.73	28.82	28.83
		1	188	27.74	27.82	27.87	27.80	27.87	27.81
		90	45	29.26	29.25	29.27	29.31	29.36	29.34
		180	0	29.33	29.35	29.35	29.33	29.34	29.31
	256QAM	1	0	26.75	26.79	26.74	26.84	26.78	26.71
		1	1	26.77	26.70	26.82	26.71	26.72	26.82
		1	187	26.81	26.86	26.78	26.75	26.85	26.83
		1	188	26.84	26.80	26.84	26.83	26.78	26.80
		90	45	27.20	27.38	27.25	27.26	27.22	27.27
		180	0	27.20	27.34	27.23	27.38	27.29	27.37

OUTPUT POWER FOR 5G NR n77 (80.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Combined Conducted Average Power (dBm)					
				ANT 9+8		662666	ANT 7+8		662666
				649333	656000		649333	656000	
				3740.0 MHz	3840.0 MHz	3940.0 MHz	3740.0 MHz	3840.0 MHz	3940.0 MHz
80.0	BPSK	1	0	27.88	27.82	27.82	27.78	27.89	27.71
		1	1	31.26	31.39	31.32	31.36	31.39	31.33
		1	215	31.32	31.38	31.20	31.25	31.31	31.40
		1	216	27.76	27.75	27.83	27.70	27.77	27.87
		108	54	32.00	32.00	32.00	31.96	31.99	31.96
		216	0	31.40	31.39	31.36	31.34	31.22	31.35
	QPSK	1	0	27.86	27.75	27.73	27.80	27.87	27.74
		1	1	31.28	31.30	31.30	31.35	31.26	31.31
		1	215	31.37	31.24	31.21	31.27	31.33	31.36
		1	216	27.90	27.85	27.84	27.77	27.89	27.84
		108	54	31.80	31.80	31.80	31.80	31.72	31.76
		216	0	30.71	30.83	30.92	30.75	30.71	30.75
	16QAM	1	0	27.74	27.78	27.84	27.79	27.90	27.88
		1	1	30.36	30.36	30.38	30.36	30.31	30.29
		1	215	30.32	30.33	30.38	30.21	30.31	30.30
		1	216	27.71	27.90	27.79	27.88	27.88	27.85
		108	54	30.76	30.88	30.90	30.72	30.88	30.78
		216	0	29.75	29.90	29.35	29.73	29.89	29.79
	64QAM	1	0	27.81	27.83	27.86	27.87	27.73	27.79
		1	1	28.72	28.75	28.73	28.80	28.70	28.75
		1	215	28.80	28.78	28.72	28.88	28.78	28.81
		1	216	27.75	27.80	27.73	27.79	27.75	27.79
		108	54	29.40	29.28	29.24	29.21	29.21	29.32
		216	0	29.35	29.34	29.39	29.30	29.22	29.40
	256QAM	1	0	26.77	26.73	26.77	26.89	26.87	26.75
		1	1	26.72	26.70	26.79	26.77	26.87	26.90
		1	215	26.82	26.71	26.72	26.72	26.80	26.84
		1	216	26.76	26.85	26.71	26.77	26.81	26.90
		108	54	27.29	27.35	27.37	27.38	27.29	27.25
		216	0	27.27	27.21	27.20	27.29	27.26	27.22

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	27.88	27.90	27.80	27.74	27.87	27.81
		1	1	31.29	31.38	31.34	31.34	31.27	31.23
		1	243	31.39	31.33	31.30	31.25	31.24	31.36
		1	244	27.78	27.87	27.87	27.81	27.81	27.83
		120	60	32.00	32.00	32.00	31.99	31.97	31.95
		243	0	31.37	31.28	31.24	31.32	31.29	31.23
	QPSK	1	0	27.83	27.87	27.71	27.70	27.83	27.82
		1	1	31.35	31.27	31.22	31.34	31.25	31.24
		1	243	31.25	31.32	31.30	31.27	31.40	31.20
		1	244	27.76	27.88	27.88	27.73	27.83	27.83
		120	60	31.80	31.80	31.80	31.81	31.78	31.77
		243	0	30.76	30.84	30.71	30.72	30.89	30.73
	16QAM	1	0	27.87	27.81	27.84	27.77	27.82	27.86
		1	1	30.38	30.28	30.39	30.29	30.29	30.37
		1	243	30.23	30.32	30.38	30.22	30.23	30.34
		1	244	27.77	27.85	27.71	27.71	27.73	27.80
		120	60	30.87	30.79	30.89	30.73	30.70	30.71
		243	0	29.81	29.73	29.25	29.77	29.78	29.87
	64QAM	1	0	27.73	27.83	27.75	27.85	27.78	27.75
		1	1	28.76	28.85	28.83	28.85	28.80	28.72
		1	243	28.89	28.85	28.82	28.79	28.76	28.86
		1	244	27.74	27.79	27.81	27.86	27.78	27.83
		120	60	29.38	29.29	29.34	29.20	29.24	29.27
		243	0	29.36	29.22	29.24	29.28	29.25	29.33
	256QAM	1	0	26.81	26.73	26.70	26.78	26.79	26.71
		1	1	26.80	26.81	26.82	26.90	26.85	26.83
		1	243	26.78	26.86	26.89	26.70	26.79	26.79
		1	244	26.77	26.86	26.75	26.89	26.72	26.70
		120	60	27.39	27.23	27.31	27.25	27.27	27.29
		243	0	27.23	27.24	27.36	27.27	27.23	27.23

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	27.79	27.83	27.72	27.85	27.82	27.81
		1	1	31.34	31.38	31.40	31.28	31.36	31.39
		1	271	31.29	31.22	31.32	31.34	31.26	31.25
		1	272	27.73	27.73	27.83	27.77	27.89	27.84
		135	67	32.00	32.00	32.00	31.99	31.96	31.96
		270	0	31.23	31.36	31.31	31.11	31.20	31.23
	QPSK	1	0	27.81	27.89	27.71	27.71	27.71	27.72
		1	1	31.33	31.21	31.34	31.30	31.29	31.33
		1	271	31.26	31.34	31.37	31.35	31.24	31.26
		1	272	27.80	27.87	27.85	27.75	27.79	27.80
		135	67	31.80	31.80	31.80	31.88	31.74	31.76
		270	0	30.85	30.71	30.52	30.63	30.75	30.78
	16QAM	1	0	27.80	27.90	27.73	27.86	27.79	27.71
		1	1	30.27	30.36	30.31	30.31	30.27	30.31
		1	271	30.38	30.31	30.22	30.31	30.31	30.22
		1	272	27.72	27.75	27.78	27.79	27.70	27.70
		135	67	30.71	30.74	30.79	30.82	30.80	30.81
		270	0	29.79	29.80	29.37	29.62	29.82	29.76
	64QAM	1	0	27.87	27.86	27.86	27.87	27.87	27.87
		1	1	28.78	28.87	28.71	28.84	28.81	28.87
		1	271	28.80	28.82	28.81	28.80	28.79	28.79
		1	272	27.82	27.74	27.78	27.70	27.81	27.82
		135	67	29.26	29.31	29.38	29.20	29.22	29.28
		270	0	29.32	29.22	29.33	29.33	29.21	29.33
	256QAM	1	0	26.81	26.73	26.72	26.71	26.72	26.76
		1	1	26.86	26.85	26.78	26.75	26.79	26.90
		1	271	26.85	26.79	26.78	26.73	26.73	26.81
		1	272	26.70	26.81	26.80	26.83	26.79	26.87
		135	67	27.32	27.22	27.26	27.21	27.27	27.28
		270	0	27.32	27.26	27.29	27.31	27.35	27.29

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.

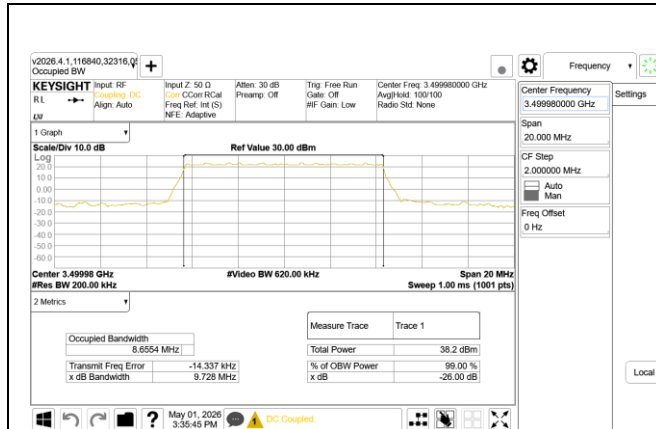
5G NR n77 (FCC Part 27 3450-3550MHz)

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	8.655	9.73
	10MHz, QPSK			8.604	9.67
	10MHz, 16QAM			8.674	9.82
	15MHz, BPSK	36/0		12.944	14.20
	15MHz, QPSK			12.919	14.19
	15MHz, 16QAM			12.933	14.11
	20MHz, BPSK	50/0		17.944	19.27
	20MHz, QPSK			17.924	19.24
	20MHz, 16QAM			17.968	19.26
	25MHz, BPSK	64/0		22.942	24.46
	25MHz, QPSK			22.927	24.51
	25MHz, 16QAM			23.013	24.52
	30MHz, BPSK	75/0		26.916	28.77
	30MHz, QPSK			26.899	28.77
	30MHz, 16QAM			26.969	28.75
	40MHz, BPSK	100/0		35.883	37.94
	40MHz, QPSK			35.826	38.13
	40MHz, 16QAM			35.885	38.13
	50MHz, BPSK	128/0		45.857	48.43
	50MHz, QPSK			45.760	48.47
	50MHz, 16QAM			45.923	48.48
	60MHz, BPSK	162/0		58.121	61.03
	60MHz, QPSK			57.852	61.04
	60MHz, 16QAM			58.092	61.22
	70MHz, BPSK	180/0		64.676	68.28
	70MHz, QPSK			64.346	68.31
	70MHz, 16QAM			64.646	68.33
	80MHz, BPSK	216/0		77.446	81.41
	80MHz, QPSK			77.302	81.35
	80MHz, 16QAM			77.477	81.47
	90MHz, BPSK	243/0		87.021	91.60
	90MHz, QPSK			86.920	91.48
90MHz, 16QAM	87.075		91.61		
100MHz, BPSK	270/0	96.647	101.70		
100MHz, QPSK		96.684	101.75		
100MHz, 16QAM		96.714	101.86		
100MHz, BPSK	1/0	0.597	1.02		

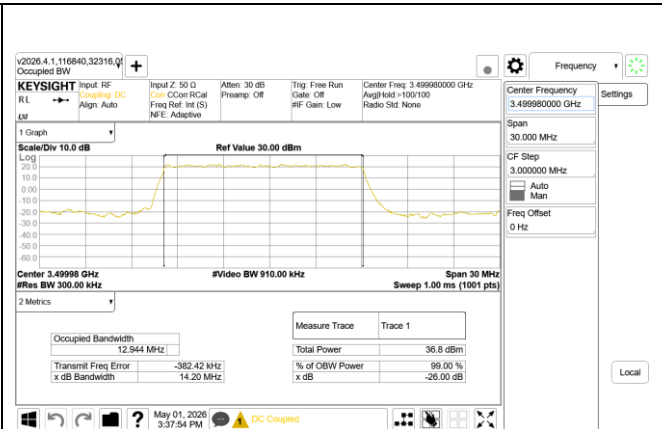
5G NR n77 (FCC Part 27 3700-3980MHz)

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	8.641	9.67
	10MHz, QPSK			8.581	9.62
	10MHz, 16QAM			8.644	9.67
	15MHz, BPSK	36/0		12.941	14.12
	15MHz, QPSK			12.920	14.09
	15MHz, 16QAM			12.938	14.08
	20MHz, BPSK	50/0		17.943	19.25
	20MHz, QPSK			17.932	19.22
	20MHz, 16QAM			17.963	19.28
	25MHz, BPSK	64/0		22.970	24.30
	25MHz, QPSK			22.954	24.31
	25MHz, 16QAM			22.995	24.34
	30MHz, BPSK	75/0		26.921	28.67
	30MHz, QPSK			26.931	28.56
	30MHz, 16QAM			26.954	28.59
	40MHz, BPSK	100/0		35.867	37.86
	40MHz, QPSK			35.872	38.06
	40MHz, 16QAM			35.873	37.94
	50MHz, BPSK	128/0		45.847	48.27
	50MHz, QPSK			45.772	48.36
	50MHz, 16QAM			45.969	48.37
	60MHz, BPSK	162/0		57.904	61.01
	60MHz, QPSK			57.862	60.84
	60MHz, 16QAM			58.114	61.16
	70MHz, BPSK	180/0		64.506	68.22
	70MHz, QPSK			64.276	68.36
	70MHz, 16QAM			64.570	68.43
	80MHz, BPSK	216/0		77.268	81.47
	80MHz, QPSK			77.155	81.50
	80MHz, 16QAM			77.507	81.31
	90MHz, BPSK	243/0		86.988	91.41
	90MHz, QPSK			86.736	91.60
	90MHz, 16QAM			87.095	91.51
	100MHz, BPSK	270/0		96.573	101.80
	100MHz, QPSK			96.443	101.75
	100MHz, 16QAM			96.542	101.55
	100MHz, BPSK	1/0		0.597	1.05

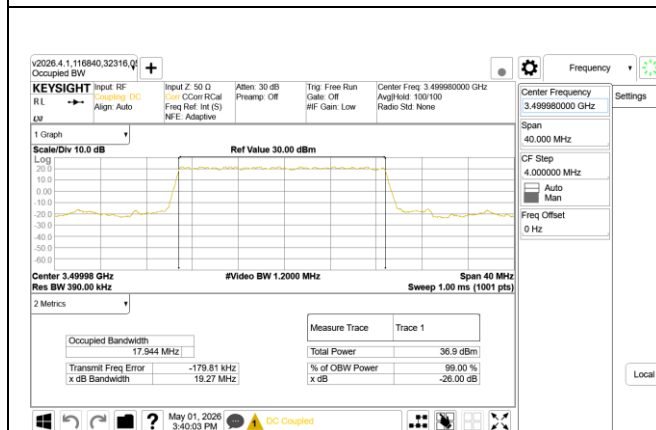
9.1.1. 5G NR n77 (FCC Part 27 3450-3550MHz)



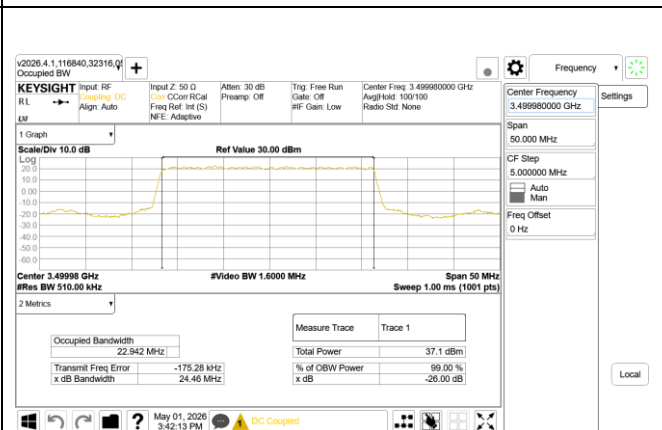
5G NR n77 10MHz BPSK Middle Channel RB24-0



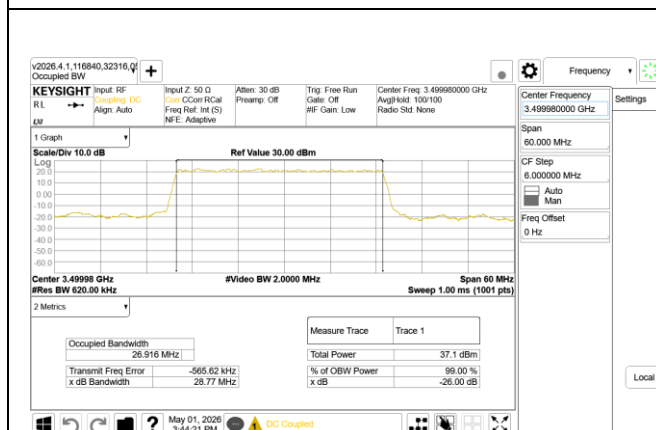
5G NR n77 15MHz BPSK Middle Channel RB36-0



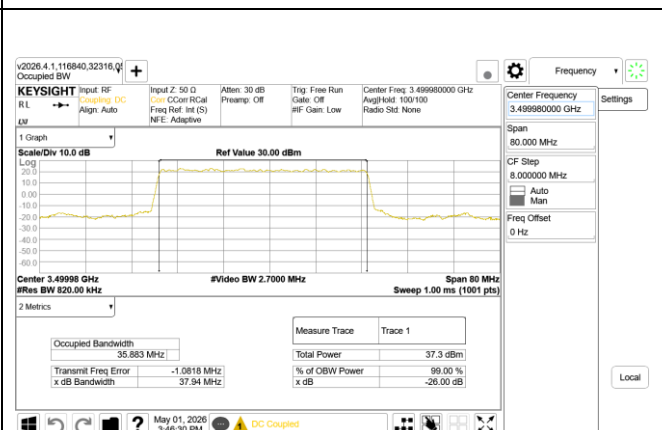
5G NR n77 20MHz BPSK Middle Channel RB50-0



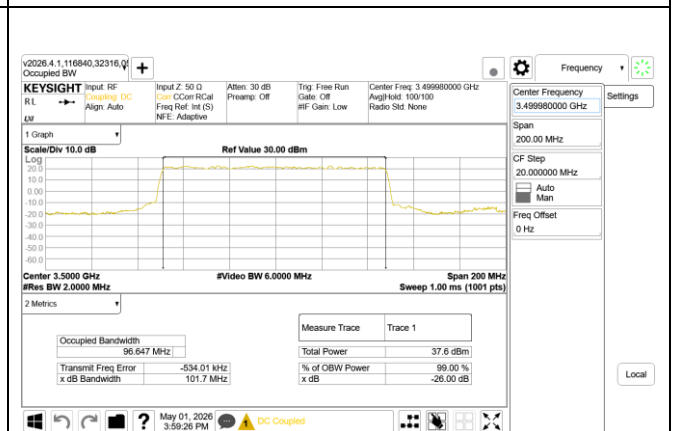
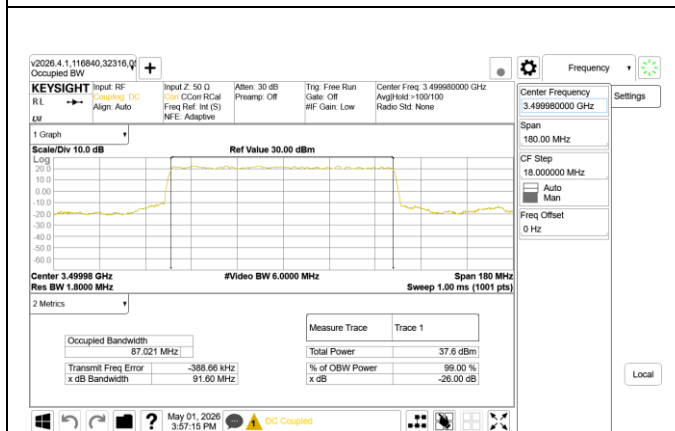
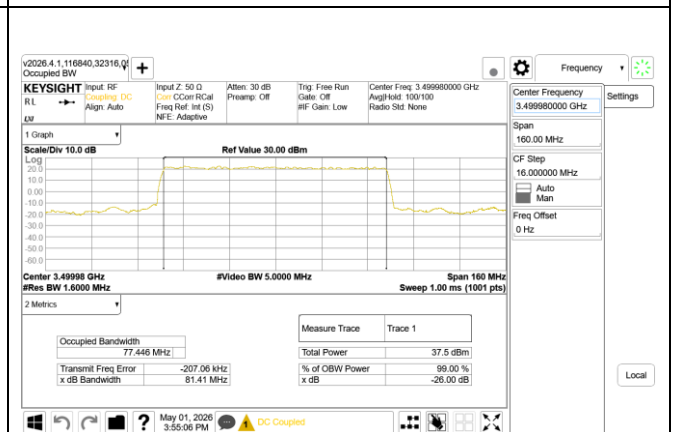
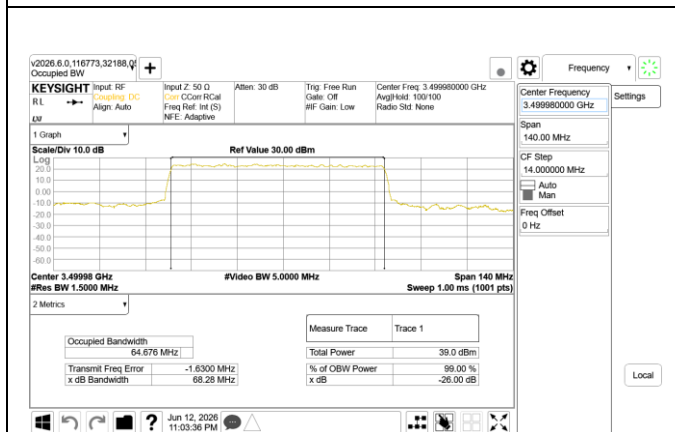
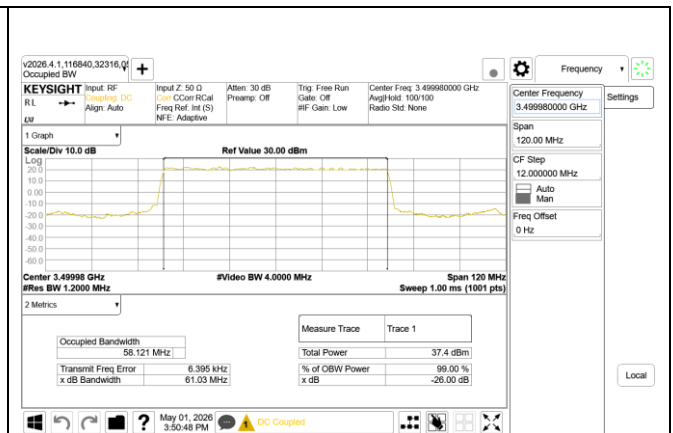
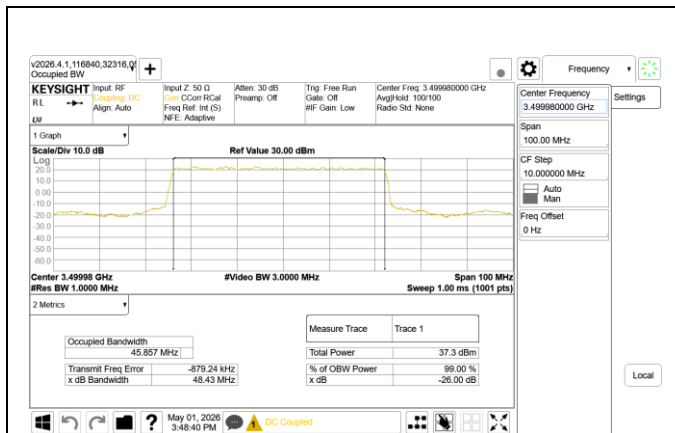
5G NR n77 25MHz BPSK Middle Channel RB64-0

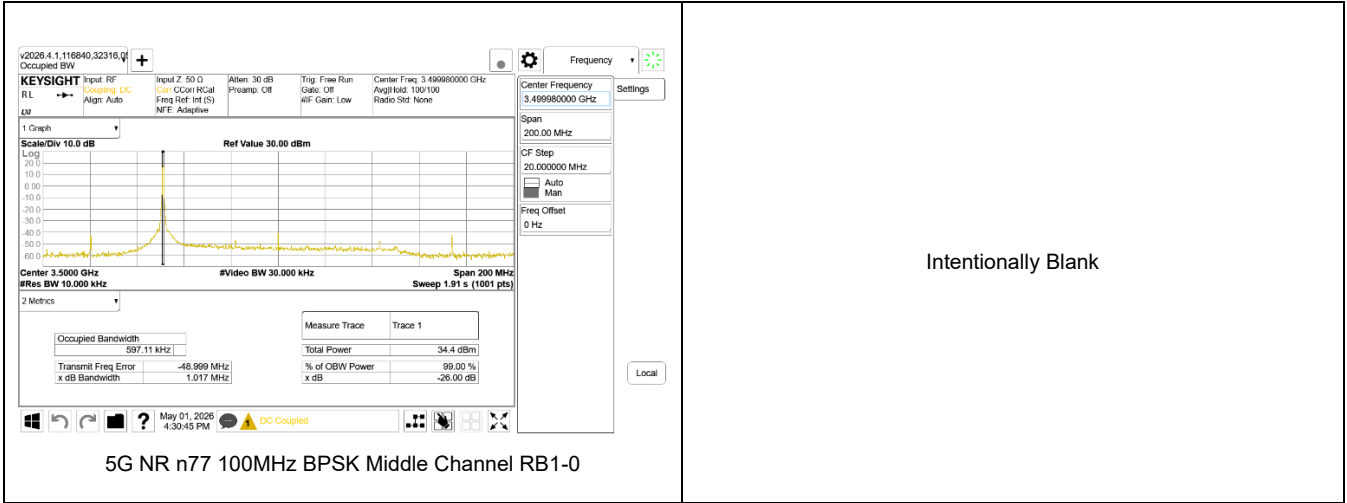


5G NR n77 30MHz BPSK Middle Channel RB75-0

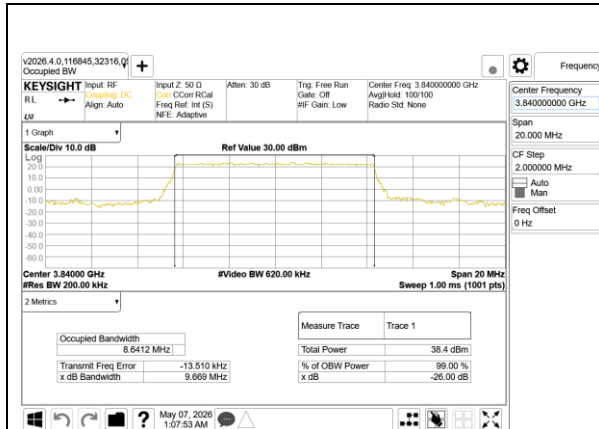


5G NR n77 40MHz BPSK Middle Channel RB100-0

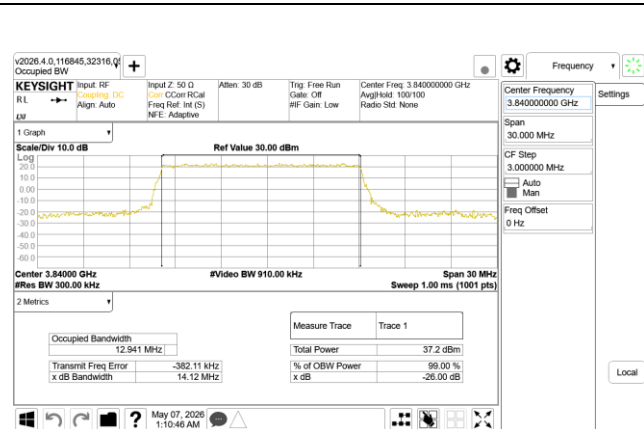




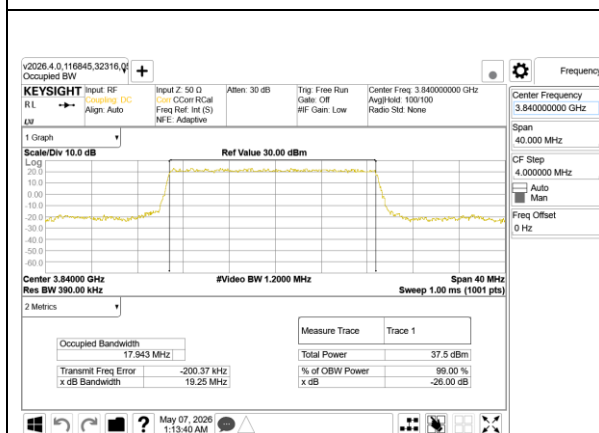
9.1.2. 5G NR n77 (FCC Part 27 3700-3980MHz)



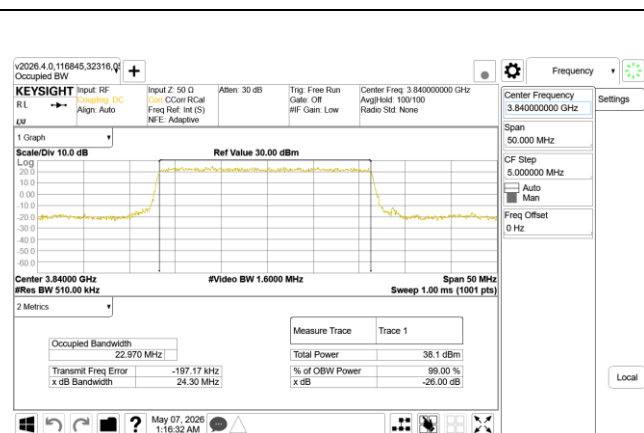
5G NR n77 10MHz BPSK Middle Channel RB24-0



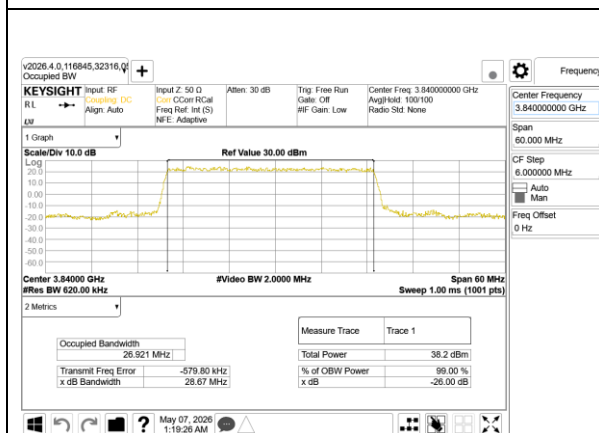
5G NR n77 15MHz BPSK Middle Channel RB36-0



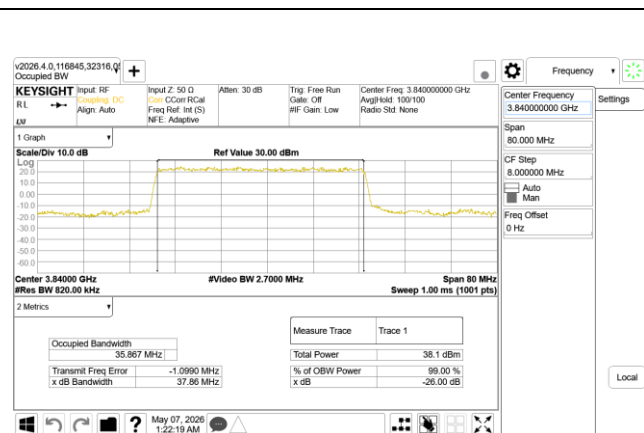
5G NR n77 20MHz BPSK Middle Channel RB50-0



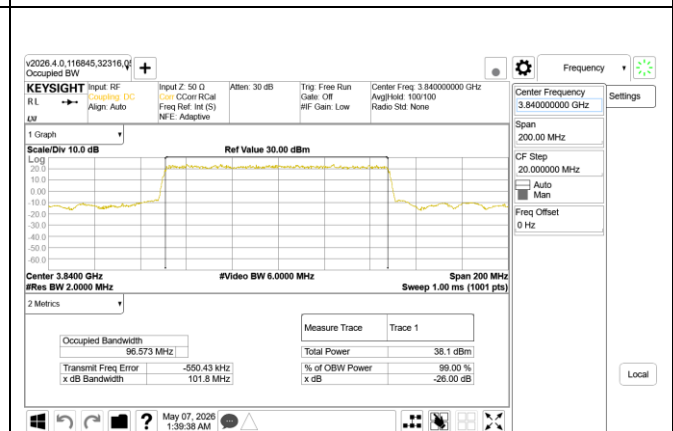
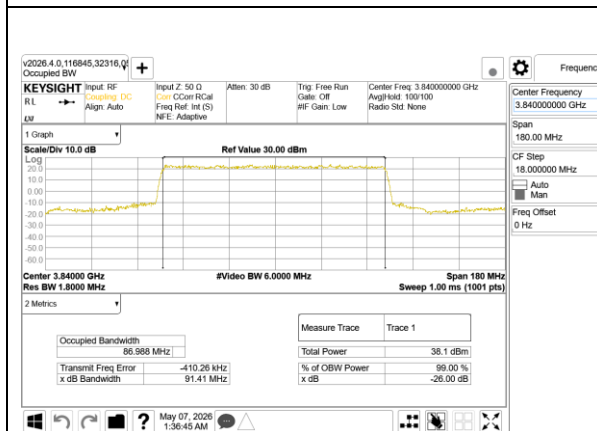
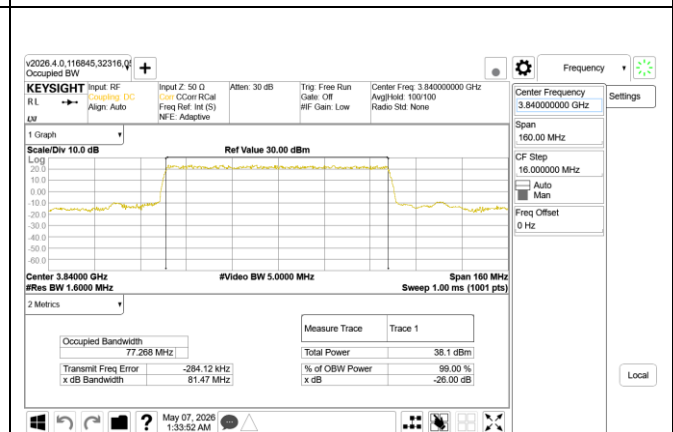
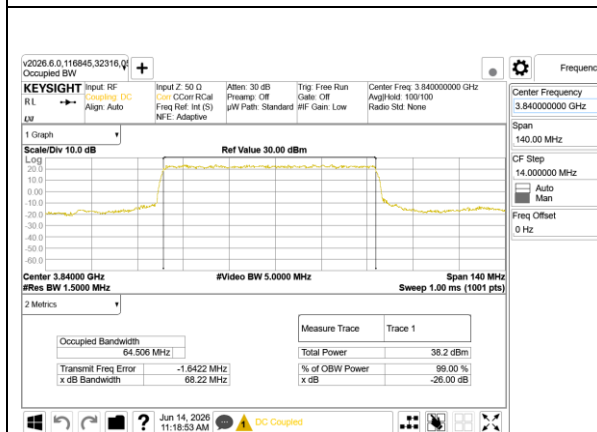
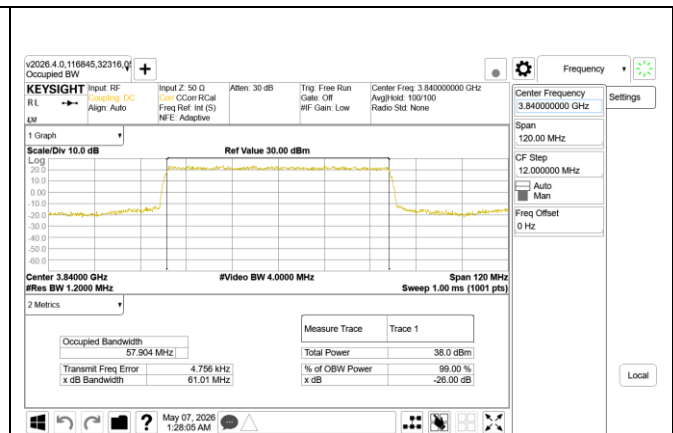
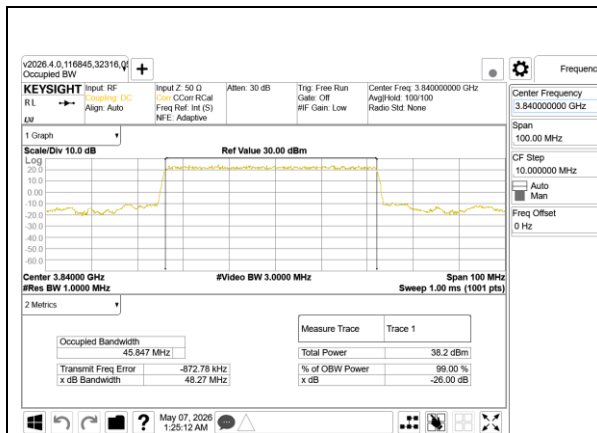
5G NR n77 25MHz BPSK Middle Channel RB64-0

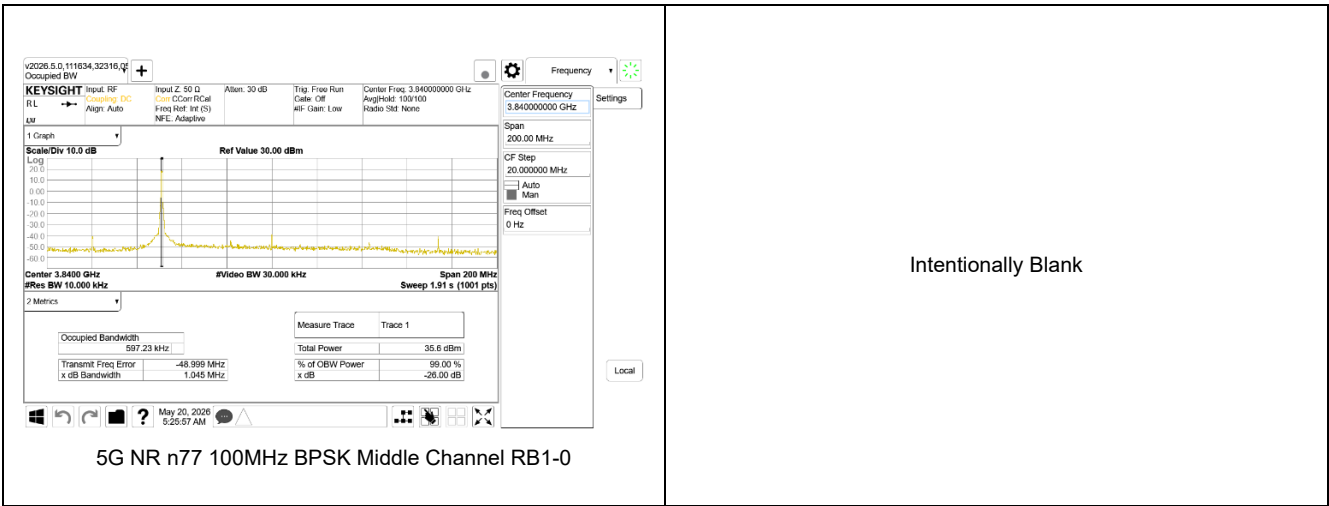


5G NR n77 30MHz BPSK Middle Channel RB75-0



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.

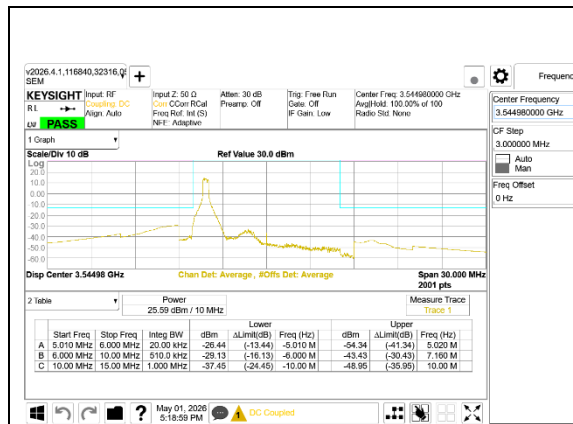
RESULTS

Port A = Ant 7; Port D = Ant 8.

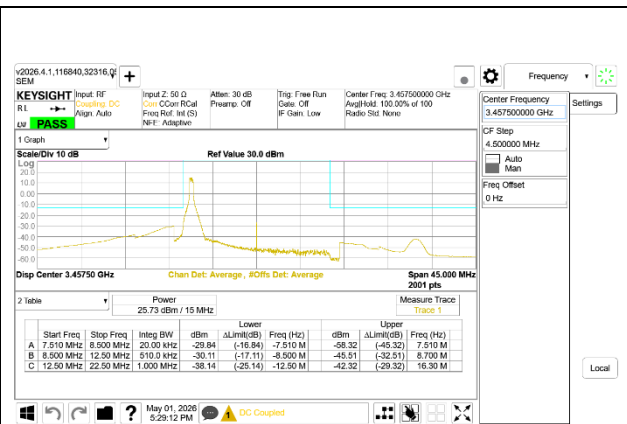
Both BPSK and 16QAM modes are tested, BPSK bandwidths results are reported as worst case for 5G NRs.

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

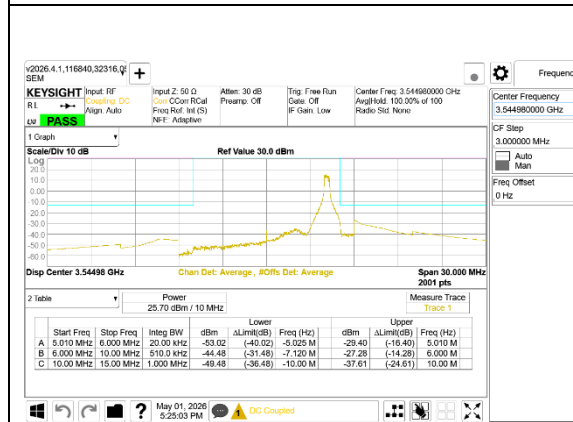




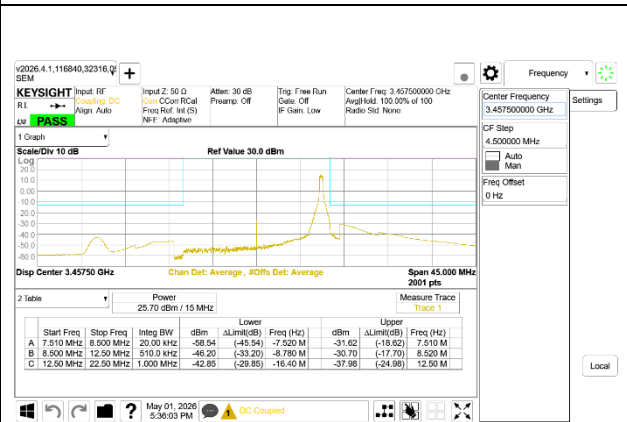
5G NR n77 10MHz BPSK High Channel RB1-0



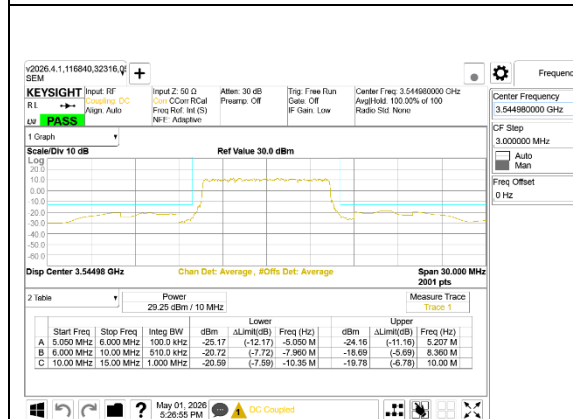
5G NR n77 15MHz BPSK Low Channel RB1-0



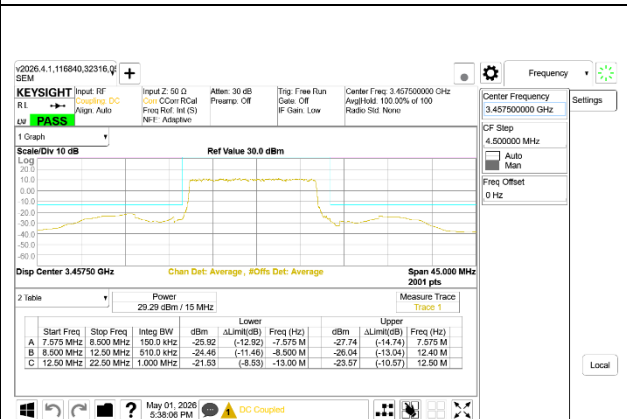
5G NR n77 10MHz BPSK High Channel RB1-23



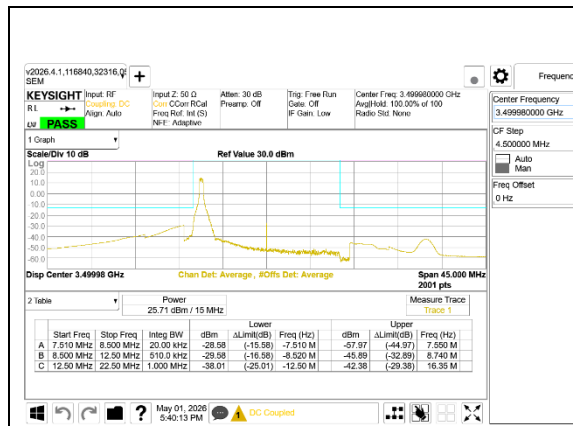
5G NR n77 15MHz BPSK Low Channel RB1-37



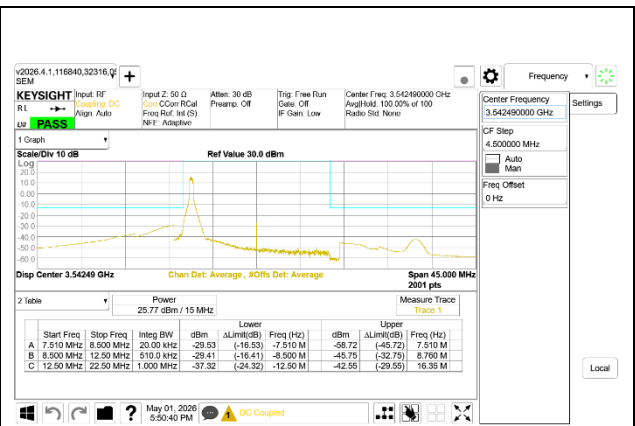
5G NR n77 10MHz BPSK High Channel RB24-0



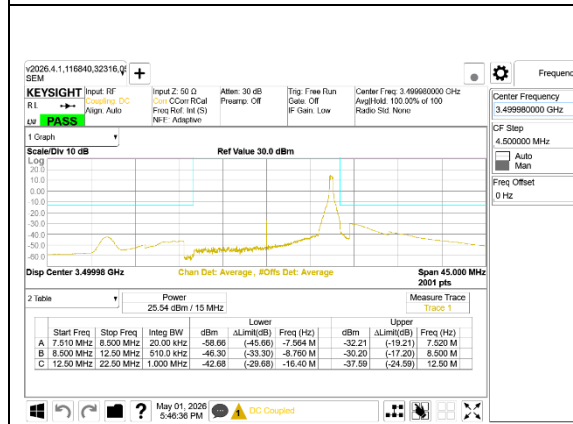
5G NR n77 15MHz BPSK Low Channel RB36-0



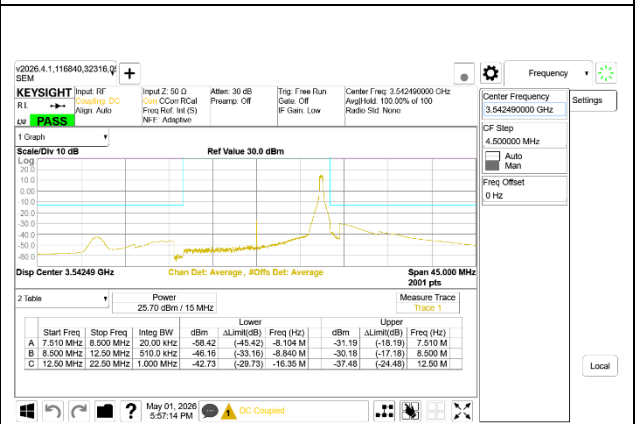
5G NR n77 15MHz BPSK Middle Channel RB1-0



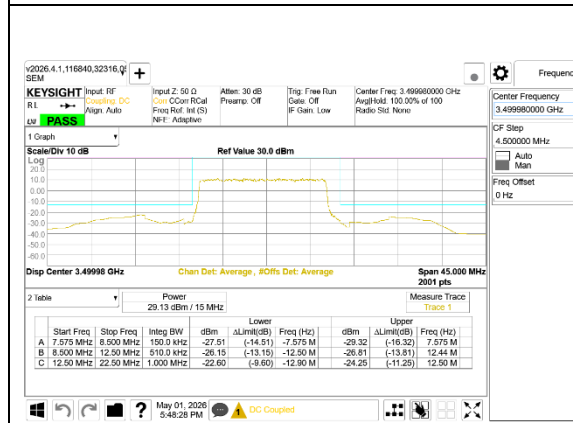
5G NR n77 15MHz BPSK High Channel RB1-0



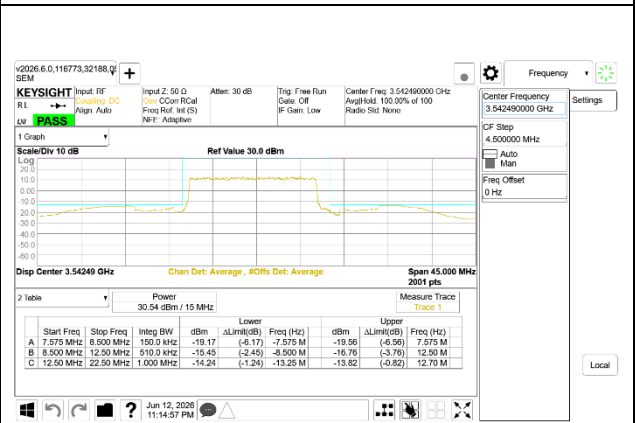
5G NR n77 15MHz BPSK Middle Channel RB1-37



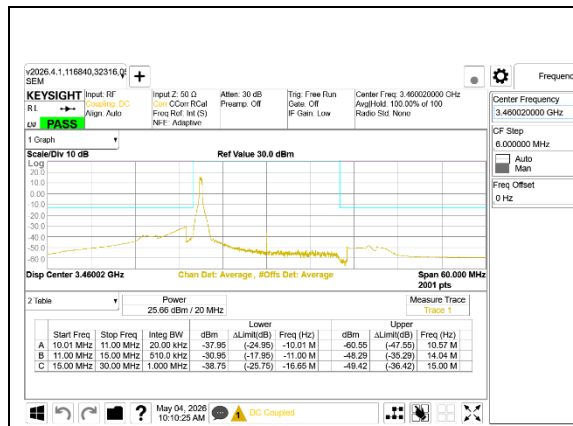
5G NR n77 15MHz BPSK High Channel RB1-37



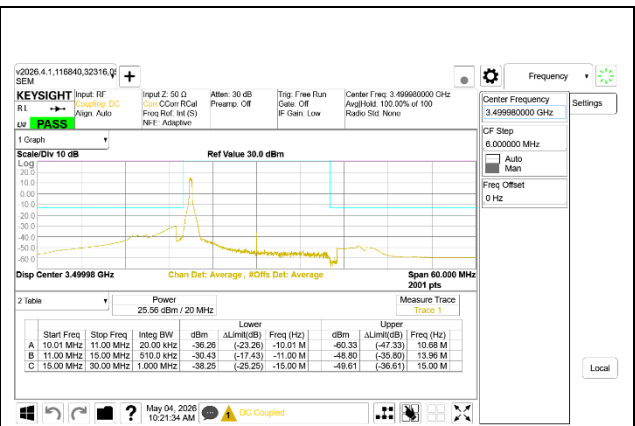
5G NR n77 15MHz BPSK Middle Channel RB36-0



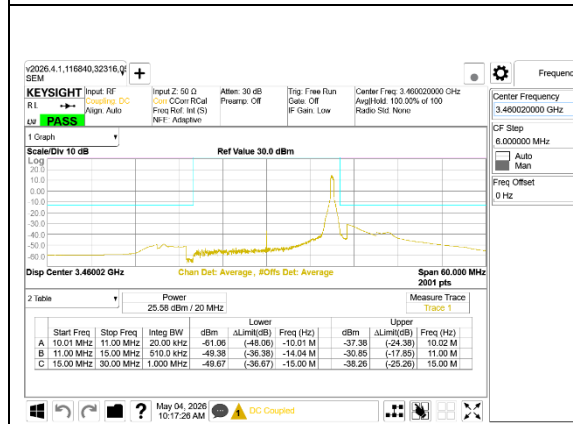
5G NR n77 15MHz BPSK High Channel RB36-0



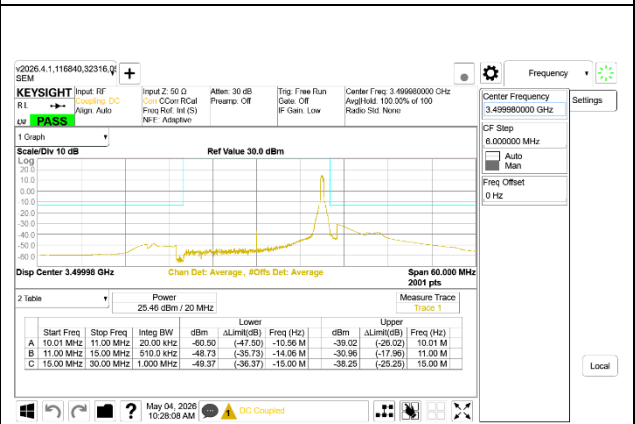
5G NR n77 20MHz BPSK Low Channel RB1-0



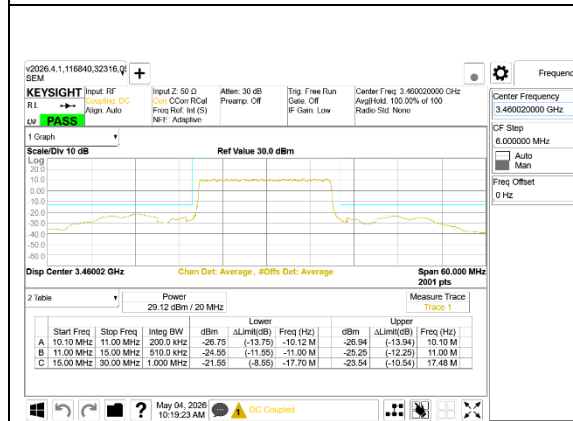
5G NR n77 20MHz BPSK Middle Channel RB1-0



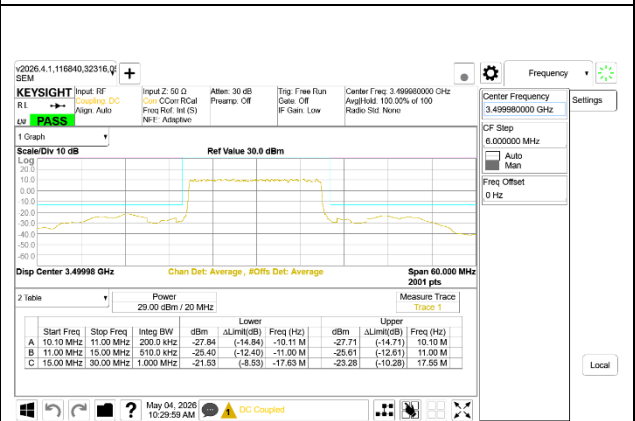
5G NR n77 20MHz BPSK Low Channel RB1-50



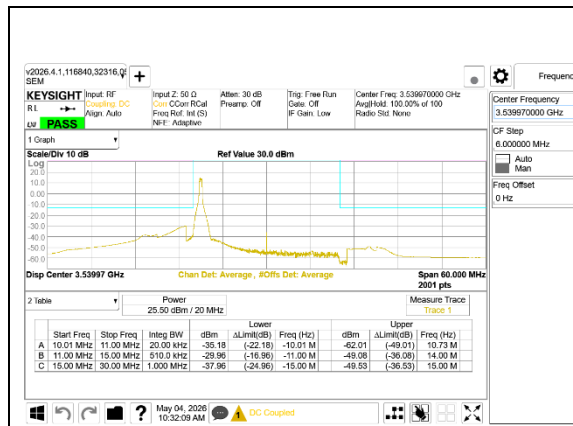
5G NR n77 20MHz BPSK Middle Channel RB1-50



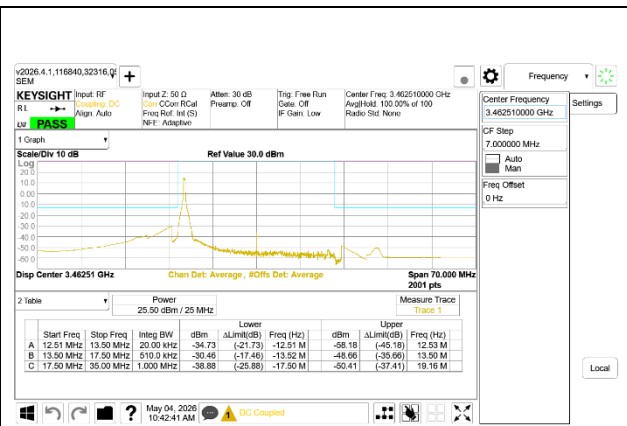
5G NR n77 20MHz BPSK Low Channel RB50-0



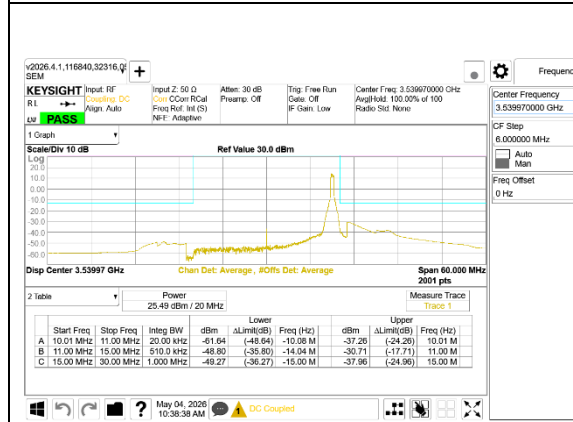
5G NR n77 20MHz BPSK Middle Channel RB50-0



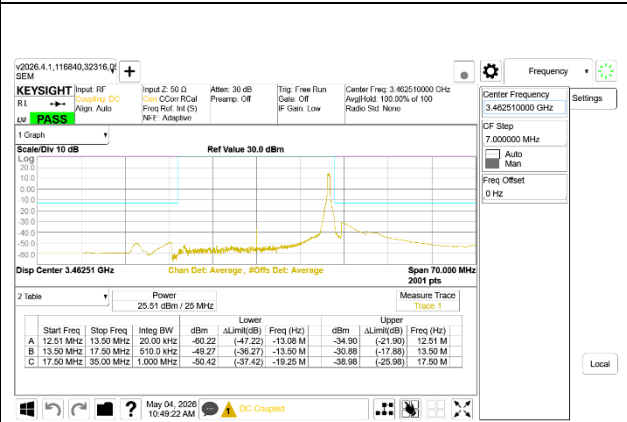
5G NR n77 20MHz BPSK High Channel RB1-0



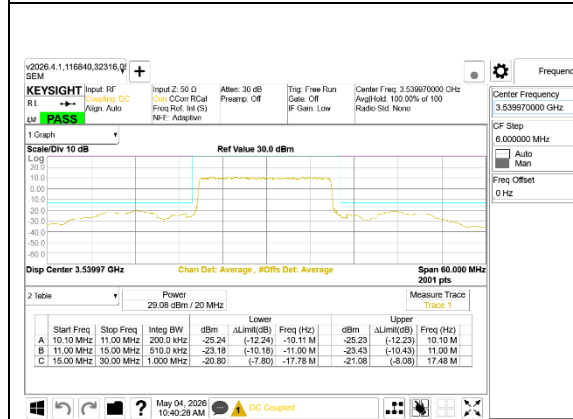
5G NR n77 25MHz BPSK Low Channel RB1-0



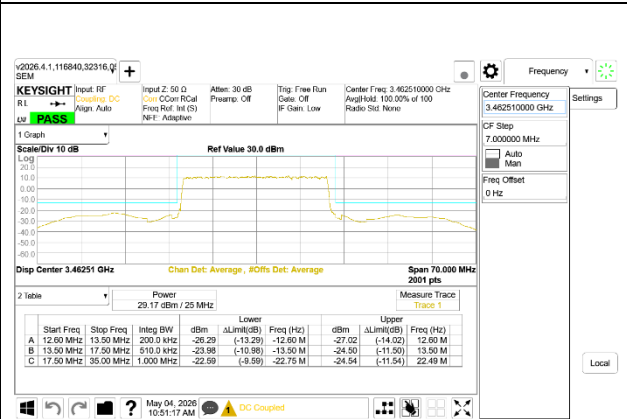
5G NR n77 20MHz BPSK High Channel RB1-50



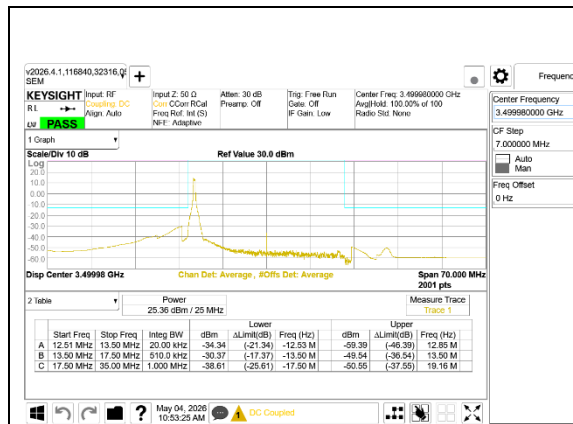
5G NR n77 25MHz BPSK Low Channel RB1-64



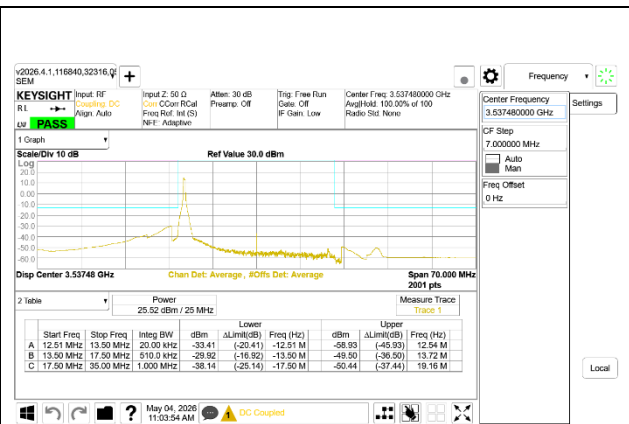
5G NR n77 20MHz BPSK High Channel RB50-0



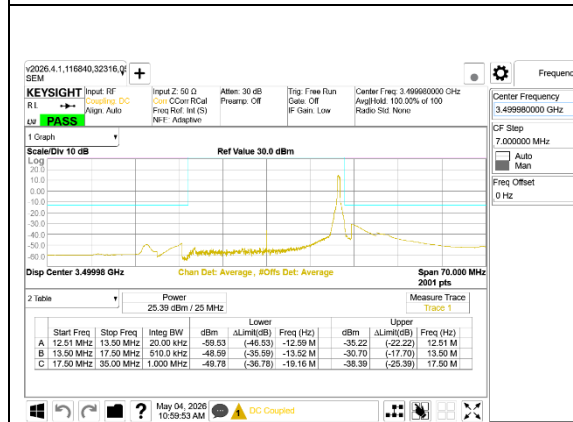
5G NR n77 25MHz BPSK Low Channel RB64-0



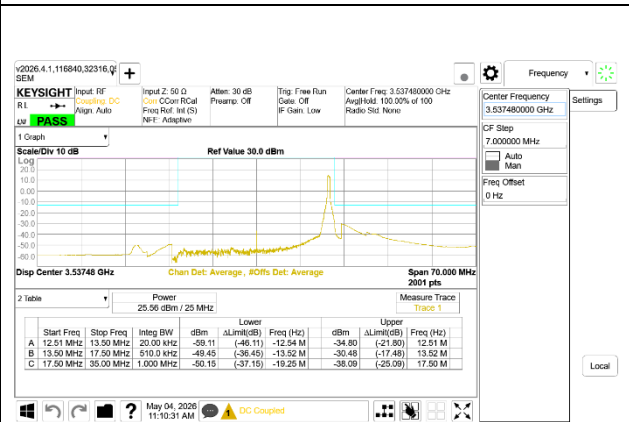
5G NR n77 25MHz BPSK Middle Channel RB1-0



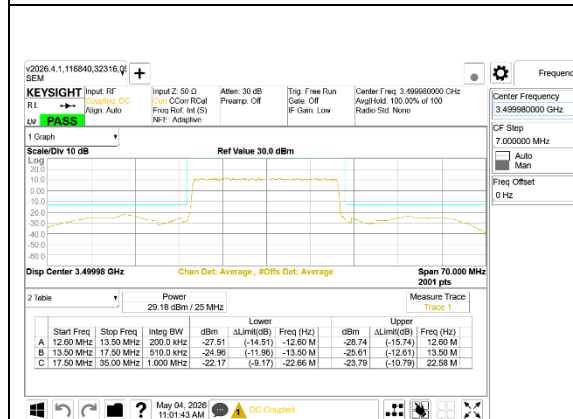
5G NR n77 25MHz BPSK High Channel RB1-0



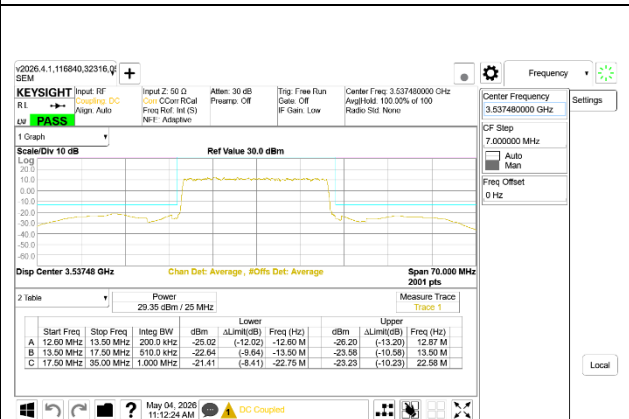
5G NR n77 25MHz BPSK Middle Channel RB1-64



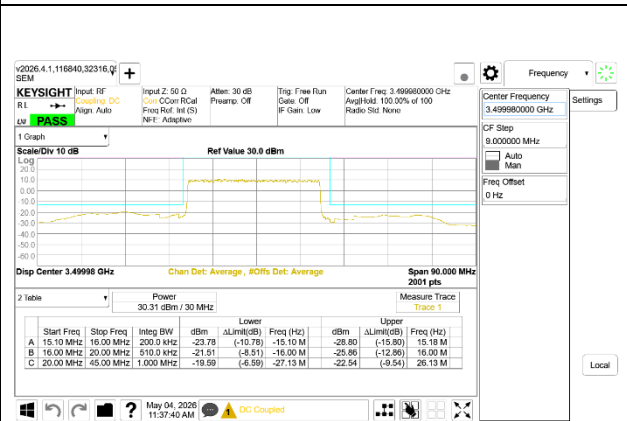
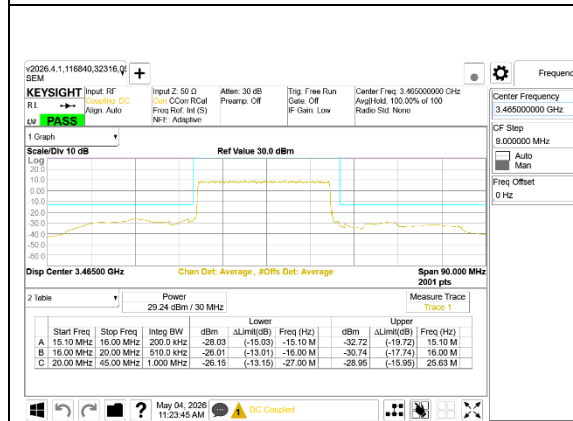
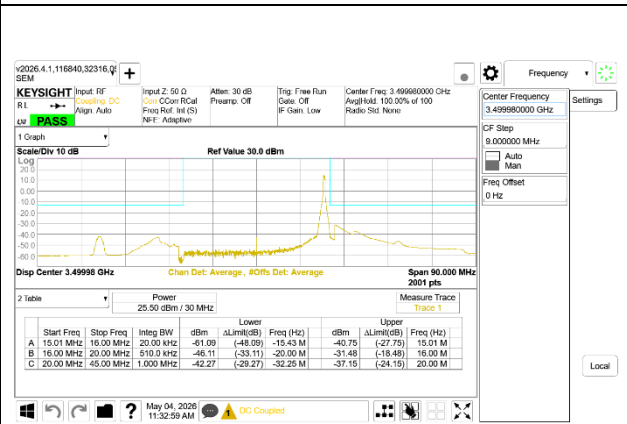
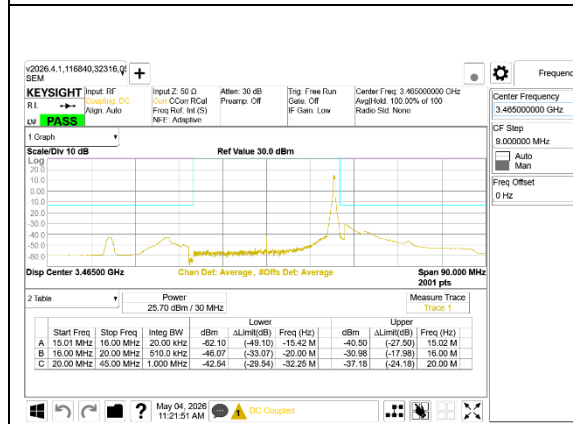
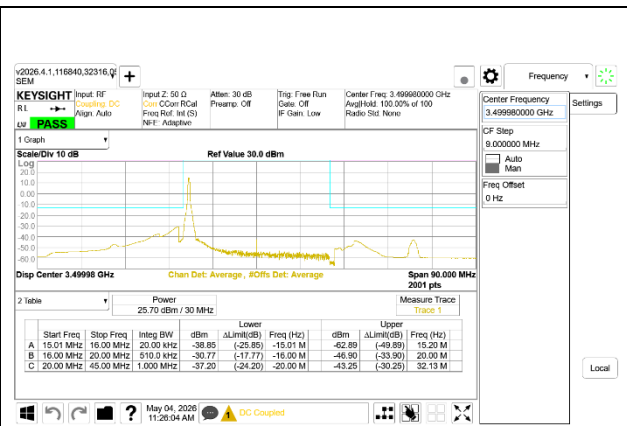
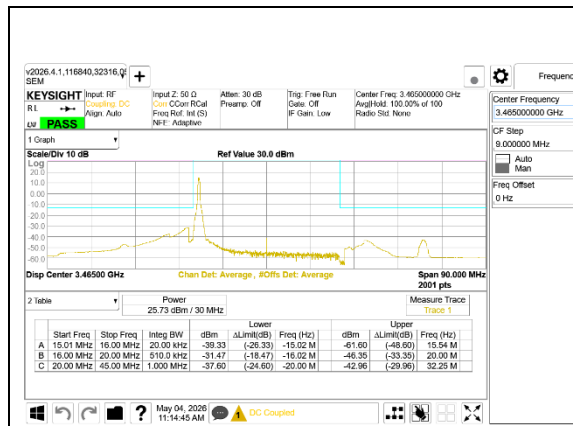
5G NR n77 25MHz BPSK High Channel RB1-64

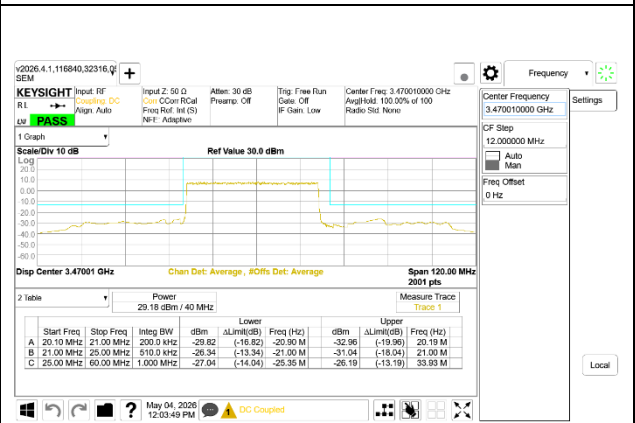
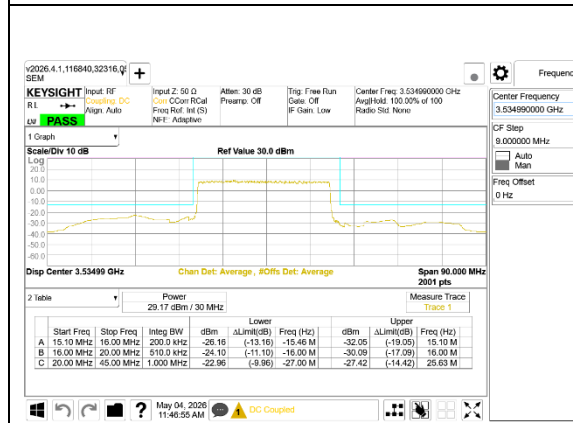
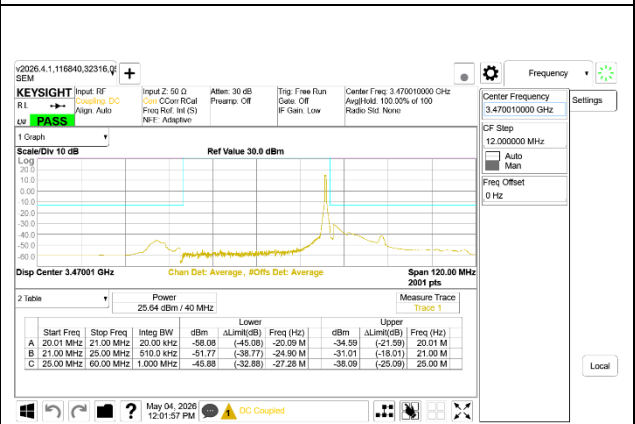
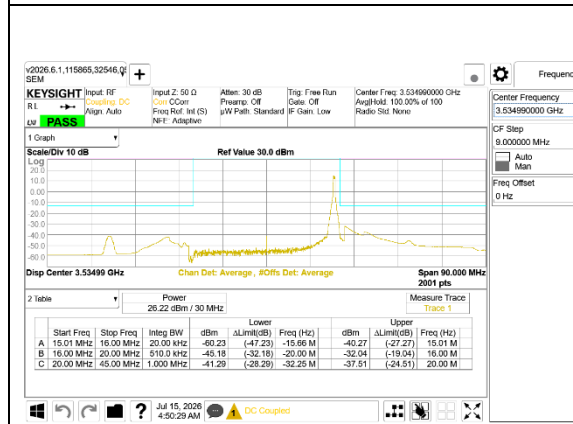
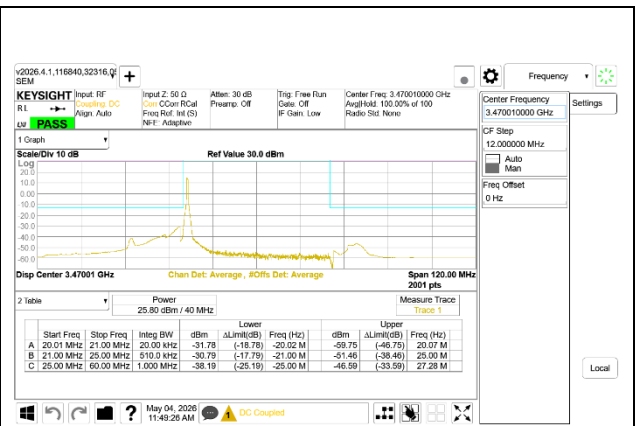
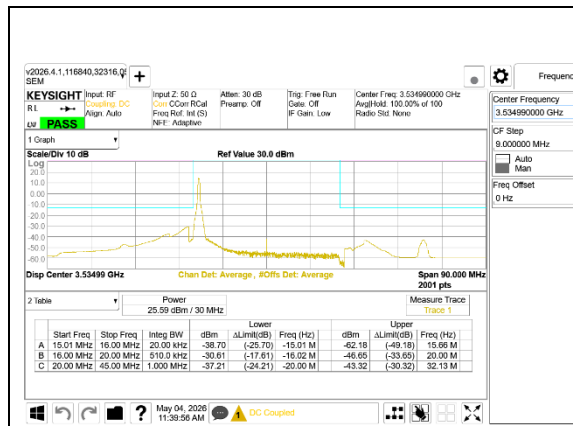


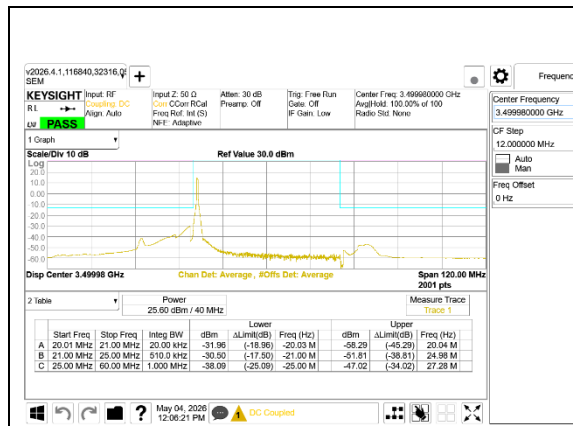
5G NR n77 25MHz BPSK Middle Channel RB64-0



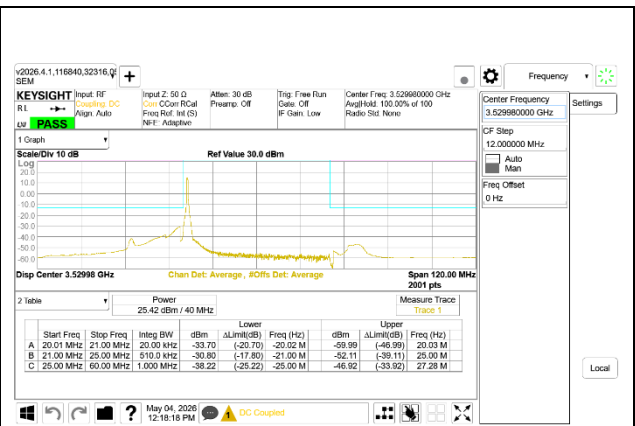
5G NR n77 25MHz BPSK High Channel RB64-0



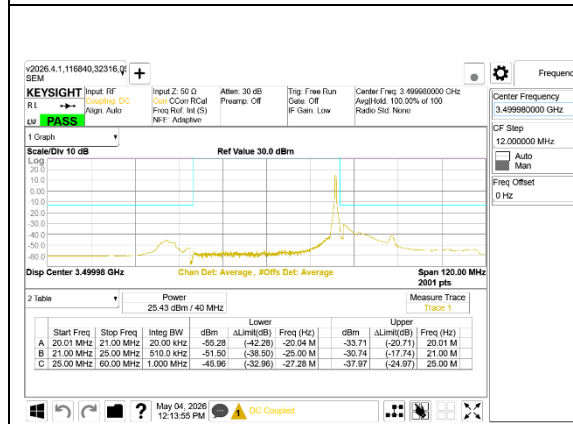




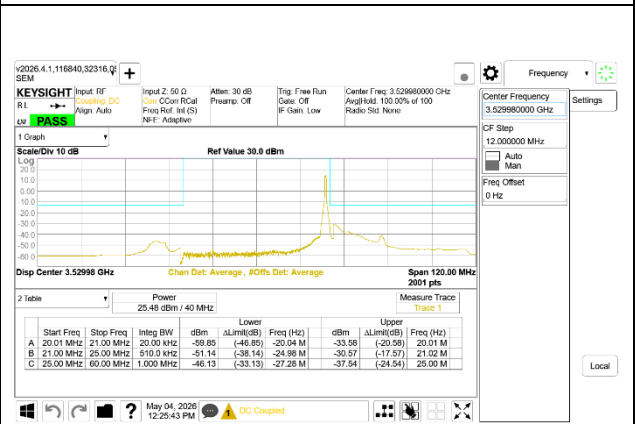
5G NR n77 40MHz BPSK Middle Channel RB1-0



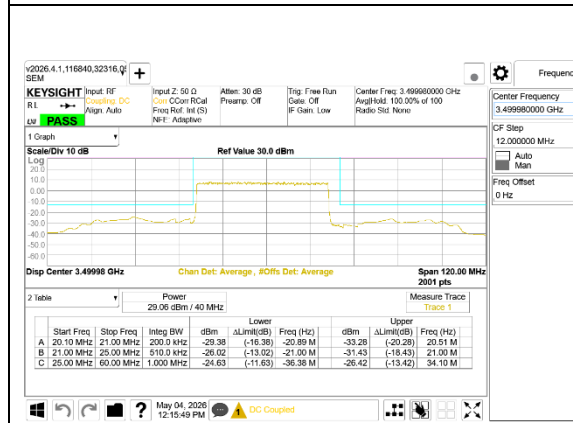
5G NR n77 40MHz BPSK High Channel RB1-0



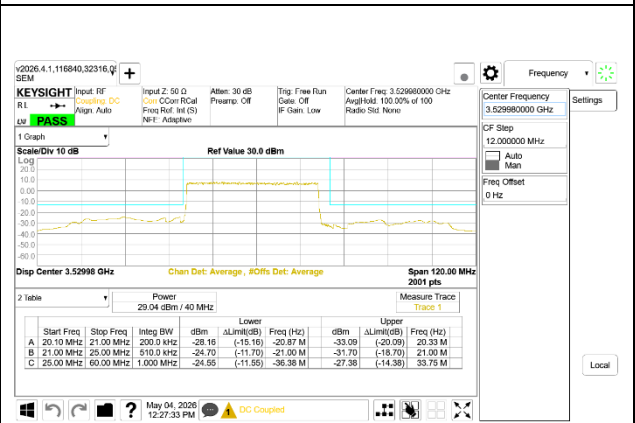
5G NR n77 40MHz BPSK Middle Channel RB1-105



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