

TEST REPORT

Report Number: 15496277-E31V2

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

Model : A3258

Brand : APPLE

FCC ID : BCG-E8947A

EUT Description : SMARTPHONE

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

Date Of Issue:
2025-08-15

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Revision History

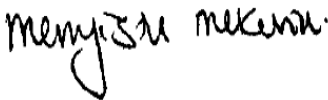
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1. ATTESTATION OF TEST RESULTS

Applicant Name and Address	APPLE, INC 1 APPLE PARK WAY CUPERTINO, CA, 95014, U.S.A.	
Model	A3258	
Brand	APPLE	
FCC ID	BCG-E8947A	
EUT Description	SMARTPHONE	
Serial Number	RADIATED: DQMWH1905G, GQQ7TY7JLY, J46VHKX6H, DMXG3RKJYV CONDUCTED: J6HHCW0001W0000WEZ, J6HHG2000FA0000WEZ, J6HHH50000V0000WEZ, J6HHCZ0000FP0000WEZ	
Sample Receipt Date	2024-11-21	
Date Tested	2024-11-21 to 2025-07-01	
Applicable Standards	FCC 47 CFR PART 2, PART 27	
Test Results	COMPLIES	
UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise. This document may not be altered or revised in any way unless done so by UL Verification Services Inc. and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc. will constitute fraud and shall nullify the document.		
Approved & Released By:	Reviewed By:	Prepared By:
		
Mengistu Mekuria Staff Laboratory Engineer UL Verification Services Inc.	Binod Sitaula Laboratory Engineer Associate UL Verification Services Inc.	Tewodros Woldemichael Laboratory Engineer UL Verification Services Inc.

2. SUMMARY OF TEST RESULTS

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

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

1. Antenna gain (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.

- 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

4. FACILITIES AND ACCREDITATION

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

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

5. DECISION RULES AND MEASUREMENT UNCERTAINTY

5.1. METROLOGICAL TRACEABILITY

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

5.2. DECISION RULES

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

5.3. MEASUREMENT UNCERTAINTY

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

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

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

5.4. SAMPLE CALCULATION

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:

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

6. EQUIPMENT UNDER TEST

6.1. DESCRIPTION OF EUT

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

6.2. MAXIMUM OUTPUT POWER

EIRP/ERP TEST PROCEDURE

ANSI C63.26:2015
KDB 971168 D01 Section 5.6

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

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

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

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

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

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

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

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

Part 27									
EIRP Limit (W)		1.00							
Antenna Gain (dBi) Ant(9)		-4.90							
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	28.63	23.73	0.236	8.681	8681	8M68G7W
	QPSK			28.70	23.80	0.240	8.669	8669	8M67G7W
	16QAM			27.68	22.78	0.190	8.679	8679	8M68D7W
15.0	BPSK	3457.5	3542.5	28.70	23.80	0.240	12.986	12986	13M0G7W
	QPSK			28.70	23.80	0.240	12.994	12994	13M0G7W
	16QAM			27.66	22.76	0.189	12.954	12954	13M0D7W
20.0	BPSK	3460.0	3540.0	28.70	23.80	0.240	17.995	17995	18M0G7W
	QPSK			28.70	23.80	0.240	17.979	17979	18M0G7W
	16QAM			27.69	22.79	0.190	17.962	17962	18M0D7W
25.0	BPSK	3462.5	3537.5	28.70	23.80	0.240	23.015	23015	23M0G7W
	QPSK			28.70	23.80	0.240	23.002	23002	23M0G7W
	16QAM			27.70	22.80	0.191	23.024	23024	23M0D7W
30.0	BPSK	3465.0	3535.0	28.70	23.80	0.240	26.924	26924	26M9G7W
	QPSK			28.70	23.80	0.240	26.948	26948	26M9G7W
	16QAM			27.57	22.67	0.185	26.964	26964	27M0D7W
40.0	BPSK	3470.0	3530.0	28.70	23.80	0.240	35.913	35913	35M9G7W
	QPSK			28.70	23.80	0.240	35.916	35916	35M9G7W
	16QAM			27.67	22.77	0.189	35.925	35925	35M9D7W
50.0	BPSK	3475.0	3525.0	28.70	23.80	0.240	45.923	45923	45M9G7W
	QPSK			28.70	23.80	0.240	45.924	45924	45M9G7W
	16QAM			27.70	22.80	0.191	45.928	45928	45M9D7W
60.0	BPSK	3480.0	3520.0	28.70	23.80	0.240	58.100	58100	58M1G7W
	QPSK			28.70	23.80	0.240	58.010	58010	58M0G7W
	16QAM			27.61	22.71	0.187	58.096	58096	58M1D7W
70.0	BPSK	3485.0	3515.0	28.70	23.80	0.240	64.611	64611	64M6G7W
	QPSK			28.70	23.80	0.240	64.565	64565	64M6G7W
	16QAM			27.57	22.67	0.185	64.603	64603	64M6D7W
80.0	BPSK	3490.0	3510.0	28.59	23.69	0.234	77.448	77448	77M4G7W
	QPSK			28.70	23.80	0.240	77.411	77411	77M4G7W
	16QAM			27.65	22.75	0.188	77.484	77484	77M5D7W
90.0	BPSK	3495.0	3505.0	28.70	23.80	0.240	87.045	87045	87M0G7W
	QPSK			28.70	23.80	0.240	87.078	87078	87M1G7W
	16QAM			27.58	22.68	0.185	87.034	87034	87M0D7W
100.0	BPSK	3500.0	3500.0	28.66	23.76	0.238	96.776	96776	96M8G7W
	QPSK			28.70	23.80	0.240	96.708	96708	96M7G7W
	16QAM			27.65	22.75	0.188	96.650	96650	96M7D7W

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

Part 27									
EIRP Limit (W)		1.00							
Antenna Gain (dBi) Ant(7)		-4.20							
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	28.70	24.50	0.282	8.662	8662	8M66G7W
	QPSK			28.70	24.50	0.282	8.665	8665	8M67G7W
	16QAM			27.68	23.48	0.223	8.652	8652	8M65D7W
15.0	BPSK	3707.5	3972.5	28.70	24.50	0.282	12.945	12945	12M9G7W
	QPSK			28.70	24.50	0.282	12.952	12952	13M0G7W
	16QAM			27.70	23.50	0.224	12.954	12954	13M0D7W
20.0	BPSK	3710.0	3970.0	28.70	24.50	0.282	17.974	17974	18M0G7W
	QPSK			28.70	24.50	0.282	17.954	17954	18M0G7W
	16QAM			27.70	23.50	0.224	17.940	17940	17M9D7W
25.0	BPSK	3712.5	3967.5	28.70	24.50	0.282	22.949	22949	22M9G7W
	QPSK			28.70	24.50	0.282	22.981	22981	23M0G7W
	16QAM			27.66	23.46	0.222	22.979	22979	23M0D7W
30.0	BPSK	3715.0	3965.0	28.70	24.50	0.282	26.923	26923	26M9G7W
	QPSK			28.70	24.50	0.282	26.915	26915	26M9G7W
	16QAM			27.66	23.46	0.222	26.934	26934	26M9D7W
40.0	BPSK	3720.0	3960.0	28.70	24.50	0.282	35.980	35980	36M0G7W
	QPSK			28.70	24.50	0.282	35.790	35790	35M8G7W
	16QAM			27.67	23.47	0.222	35.920	35920	35M9D7W
50.0	BPSK	3725.0	3955.0	28.70	24.50	0.282	45.841	45841	45M8G7W
	QPSK			28.70	24.50	0.282	45.851	45851	45M9G7W
	16QAM			27.67	23.47	0.222	45.793	45793	45M8D7W
60.0	BPSK	3730.0	3950.0	28.70	24.50	0.282	58.030	58030	58M0G7W
	QPSK			28.70	24.50	0.282	58.028	58028	58M0G7W
	16QAM			27.64	23.44	0.221	58.006	58006	58M0D7W
70.0	BPSK	3735.0	3945.0	28.70	24.50	0.282	64.538	64538	64M5G7W
	QPSK			28.70	24.50	0.282	64.548	64548	64M5G7W
	16QAM			27.61	23.41	0.219	64.412	64412	64M4D7W
80.0	BPSK	3740.0	3940.0	28.70	24.50	0.282	77.341	77341	77M3G7W
	QPSK			28.64	24.44	0.278	77.240	77240	77M2G7W
	16QAM			27.68	23.48	0.223	77.225	77225	77M2D7W
90.0	BPSK	3745.0	3935.0	28.70	24.50	0.282	86.884	86884	86M9G7W
	QPSK			28.70	24.50	0.282	87.003	87003	87M0G7W
	16QAM			27.59	23.39	0.218	87.129	87129	87M1D7W
100.0	BPSK	3750.0	3930.0	28.70	24.50	0.282	96.739	96739	96M7G7W
	QPSK			28.70	24.50	0.282	96.676	96676	96M7G7W
	16QAM			27.63	23.43	0.220	96.657	96657	96M7D7W

6.3. SOFTWARE AND FIRMWARE

The EUT firmware installed during testing was version 0.8.0.0.

6.4. MAXIMUM ANTENNA GAIN AND MAXIMUM ALLOWED OUTPUT POWER

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

Bands	Frequency Range (MHz)	Antenna	Gain (dBi)	Max Allowed Conducted Output Power (dBm)	EIRP (dBm)
5G NR n77	3450 – 3550	ANT4	-5.20	24.70	19.50
		ANT7	-5.50	28.70	23.20
		ANT8	-2.80	25.70	22.90
		ANT9	-4.90	28.70	23.80
5G NR n77	3700 – 3980	ANT4	-4.10	24.70	20.60
		ANT7	-4.20	28.70	24.50
		ANT8	-8.30	25.70	17.40
		ANT9	-4.70	28.70	24.00

6.5. WORST-CASE CONFIGURATION AND MODE

This report covers the following technologies:

- 5G NR n77

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

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

Frequency Range	ANT7	ANT8	ANT9	ANT4
3300 – 3980 MHz	X	Y	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 2.4GHz/5GHz WLAN, UWB, and Cellular bands, tests were conducted for various configurations having the highest power, least separation in frequencies and widest operation bandwidths. No noticeable new emission was found.

6.6. DESCRIPTION OF TEST SETUP

Refer to Appendix A for description of test setup.

7. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment 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	85723	2026-02-28
Wideband Communication Test Set, Call Box	R&S GmbH & Co.	CMW500	230297	2026-02-28
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	169936	2026-02-28
Antenna, Horn 1-18GHz	ETS Lindgren	3117	200897	2026-04-30
RF Filter Box, 1-18GHz, 12 Port	UL-FR1	Frankenstein	217255	2026-01-31
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	223460	2026-02-28
RF Filter Box, 1-18GHz, 17 Port	UL-FR1	RATS 2	236726	2025-10-31
Antenna, Horn 1-18GHz	ETS Lindgren	3117	80403	2026-08-31
Antenna, Broadband Hybrid, 30MHz to 3GHz	Sunol Sciences Corp.	JB3	171863	2026-11-30
Amplifier 9 KHz - 1 GHz	SONOMA INSTRUMENT	310N	224490	2026-05-06
Antenna, Passive Loop 30Hz - 1MHz	ELECTRO-METRICS	EM-6871	170013	2025-07-31
Antenna, Passive Loop 100KHz - 30MHz	ELECTRO-METRICS	EM-6872	170015	2025-07-31
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	262735	2026-03-30
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	231912	2026-04-30
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	259079	2026-02-28
PXA Signal Analyzer	Agilent Technologies Inc	N9030A	87738	2026-01-16
UXM 5G Wireless Test Platform	Keysight Technologies Inc	E7515B	MY59020604	2026-02-26
Wideband Communication Test Set, Call Box	Rohde & Schwarz	CMW500	230298	2026-02-28
Wideband Communication Test Set, Call Box	Rohde & Schwarz	CMW500	222793	2026-02-28
Conducted Switch Box	N/A	CSB	227264	2026-03-31
Conducted Switch Box	N/A	CSB	262286	2026-04-30
Conducted Switch Box	N/A	CSB	262288	2026-04-30
Conducted Switch Box	N/A	CSB	263817	2026-05-31
Filter, BRF 3400-3800MHz, 18GHz max	Micro-Tronics	BRM50711	217364	2025-09-30
Filter, BRF 2305-2315	Micro-Tronics	BRC20553	224186	2026-06-29
Power Sensor, P - series, 50MHz to 18GHz, Wideband	Keysight Technologies Inc	N1921A	257704	2026-03-31
Chamber, Environmental	Cincinnati Sub Zero	ZPHS-8-3.5-SCT/WC	89097	2025-10-31
Chamber, Environmental	Cincinnati Sub Zero	ZPHS-8-3.5-SCT/WC	82472	2025-08-31
UL AUTOMATION SOFTWARE				
Conducted Software	UL	CLT	Ver.2023.11.21.0 & .2024.3.20.0 & 2022.7.6.0 & 2023.6.21	
Conducted Software	UL	Power Measurement	Ver.2023.8.14 & 2022.4.29 & 2023.6.8	
Conducted Software	UL	Antenna Port	Ver.2022.8.16& 2021.5.13	
Conducted Software	UL	Station Tool	Ver. 5.0 & 5.3 & 6.0 & 6.1	
Radiated Software	UL	UL EMC	Ver 9.5, May 1, 2023	

8. RF OUTPUT POWER VERIFICATION

CONDUCTED OUTPUT POWER MEASUREMENT PROCEDURE

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

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

RESULTS

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)

Test Engineer ID:	32061	Test Date:	2024-12-11
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OUTPUT POWER FOR 5G NR n77 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				630333	633332	636333	630333	633332	636333	630333	633332	636333	630333	633332	636333
10.0	BPSK	1	0	25.12	24.67	24.72	22.10	22.05	22.02	25.20	24.60	24.80	20.85	21.10	21.10
		1	1	28.52	28.10	28.09	25.64	25.70	25.64	28.52	28.02	28.14	24.70	24.63	24.64
		1	22	28.11	28.65	28.57	25.21	25.66	25.70	28.28	28.63	28.62	24.47	24.61	24.68
		1	23	24.71	25.06	25.08	21.78	22.17	22.11	24.84	25.13	25.12	21.15	21.01	21.04
		12	6	28.45	28.37	28.32	25.29	25.66	25.68	28.41	28.38	28.33	24.46	24.62	24.64
		24	0	28.03	28.03	27.95	24.89	25.07	25.13	28.14	27.92	27.99	24.14	24.15	24.05
	QPSK	1	0	25.04	24.78	24.80	22.00	22.07	22.18	25.04	24.62	24.80	21.11	21.18	21.17
		1	1	28.70	28.14	27.43	25.70	25.70	25.56	28.70	27.96	28.15	24.50	24.70	24.70
		1	22	28.13	28.70	28.70	25.25	25.61	25.63	28.34	28.70	28.70	24.01	24.25	24.22
		1	23	24.73	25.12	25.14	21.89	22.17	22.12	24.93	25.17	25.01	20.79	20.90	20.89
		12	6	28.39	28.40	27.51	25.37	25.63	25.44	28.59	28.30	28.32	24.05	24.12	24.18
		24	0	27.62	27.65	26.78	24.51	24.62	24.68	27.51	27.49	27.60	23.14	23.36	23.36
	16QAM	1	0	25.17	24.69	24.59	22.19	22.10	22.02	25.20	24.48	24.77	20.63	20.79	20.79
		1	1	27.70	27.16	26.63	24.52	24.51	24.51	27.54	27.10	27.33	23.21	23.35	23.25
		1	22	27.25	27.69	27.61	24.38	24.70	24.66	27.47	27.67	27.68	23.15	23.31	23.33
		1	23	24.70	25.19	25.17	21.78	22.00	22.09	24.86	25.20	25.01	20.54	20.68	20.76
		12	6	27.50	27.44	26.55	24.44	24.65	24.70	27.60	27.40	27.53	23.16	23.20	23.30
		24	0	26.43	26.44	25.72	23.50	23.53	23.66	26.50	26.38	26.57	22.04	22.25	22.29
	64QAM	1	0	25.01	24.60	24.42	22.09	22.02	22.06	25.03	24.45	24.82	20.41	20.75	20.81
		1	1	26.11	25.71	25.18	23.19	23.03	23.18	26.06	25.47	25.76	21.60	21.75	22.14
		1	22	25.70	26.15	26.13	22.71	23.03	23.19	25.89	26.19	26.14	22.15	22.19	22.10
		1	23	24.75	25.12	25.19	21.79	22.10	22.16	24.81	25.06	25.08	21.03	21.06	21.01
		12	6	25.96	25.80	25.10	22.94	23.04	23.17	25.95	25.86	25.97	22.17	22.02	22.16
		24	0	26.00	25.83	25.21	22.93	23.05	23.19	25.95	25.84	26.04	22.17	22.09	22.18
	256QAM	1	0	24.15	23.53	23.64	21.14	21.19	21.01	24.08	23.45	23.75	20.12	20.13	20.08
		1	1	24.20	23.54	23.71	21.19	21.13	21.11	24.10	23.47	23.87	20.10	20.06	20.08
		1	22	23.59	24.18	24.00	20.72	21.19	21.09	23.76	24.17	24.06	20.16	20.19	20.18
		1	23	23.62	24.19	24.12	20.65	21.15	21.09	23.74	24.20	24.12	20.03	20.18	20.03
		12	6	23.96	23.91	23.63	20.92	21.10	21.16	23.92	23.87	23.99	20.09	20.18	20.00
		24	0	23.99	23.87	23.73	20.96	21.07	21.06	23.92	23.80	24.03	20.10	20.10	20.08

OUTPUT POWER FOR 5G NR n77 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				630500	633332	636166	630500	633332	636166	630500	633332	636166	630500	633332	636166
15.0	BPSK	1	0	25.08	24.44	24.60	22.13	22.20	22.01	25.16	24.21	24.56	21.10	21.03	21.06
		1	1	28.67	27.83	27.94	25.70	25.67	25.33	28.66	27.58	27.91	24.60	24.70	24.65
		1	36	27.73	28.70	28.66	25.09	25.58	25.65	27.77	28.70	28.70	24.70	24.66	24.43
		1	37	24.35	25.00	25.16	21.84	22.02	22.17	24.38	25.10	25.16	21.08	21.11	21.20
		18	9	28.41	28.36	27.96	25.41	25.67	25.61	28.45	28.21	28.30	24.59	24.70	24.59
		36	0	27.95	27.94	27.66	24.98	25.16	25.13	27.95	27.76	27.77	24.13	24.18	24.15
	QPSK	1	0	25.06	24.45	24.50	22.08	22.01	21.98	25.12	24.19	24.60	21.18	21.04	21.12
		1	1	28.70	27.59	27.15	25.69	25.62	25.34	28.70	27.54	27.59	24.50	24.59	24.44
		1	36	27.64	28.61	28.70	25.04	25.59	25.69	27.80	28.64	28.67	24.47	24.61	24.45
		1	37	24.37	25.05	25.16	21.74	22.15	22.04	24.42	25.07	25.01	21.16	21.06	21.11
		18	9	28.31	28.40	27.22	25.36	25.70	25.70	28.49	28.19	28.16	24.51	24.70	24.70
		36	0	27.41	27.51	26.36	24.59	24.54	24.64	27.53	27.42	27.32	23.56	23.50	23.67
	16QAM	1	0	25.05	24.40	24.43	22.08	22.00	22.07	25.02	24.17	24.48	21.17	21.01	21.03
		1	1	27.59	26.66	26.22	24.64	24.54	24.54	27.66	26.64	26.80	23.61	23.67	23.67
		1	36	26.96	27.61	27.68	24.14	24.66	24.67	26.83	27.61	27.61	23.67	23.59	23.59
		1	37	24.14	25.11	25.20	21.54	22.15	22.04	24.29	25.04	25.07	21.14	21.17	21.13
		18	9	27.45	27.43	26.15	24.37	24.66	24.57	27.45	27.30	26.98	23.65	23.51	23.54
		36	0	26.42	26.46	25.36	23.42	23.69	23.68	26.38	26.32	26.16	22.66	22.51	22.58
	64QAM	1	0	25.19	24.39	24.47	22.20	22.11	21.91	25.20	24.33	24.46	21.16	21.01	21.13
		1	1	26.12	25.24	24.91	23.06	23.20	22.99	26.09	25.13	25.26	22.03	22.19	22.19
		1	36	25.46	26.05	26.18	22.59	23.18	23.18	25.34	26.19	26.10	22.00	22.16	22.05
		1	37	24.41	25.03	25.06	21.58	22.02	22.08	24.26	25.19	25.19	21.20	21.14	21.20
		18	9	25.95	25.97	24.64	22.89	23.04	23.10	25.85	25.79	25.41	22.11	22.17	22.09
		36	0	25.93	25.96	24.86	22.90	23.16	23.13	25.89	25.78	25.71	22.10	22.03	22.10
	256QAM	1	0	24.20	23.37	23.41	21.09	21.04	20.79	24.18	23.07	23.52	20.08	20.19	20.13
		1	1	24.13	23.55	23.55	21.20	21.09	20.79	24.14	23.17	23.66	20.18	20.01	19.99
		1	36	23.17	24.18	24.10	20.55	21.05	21.16	23.29	24.09	24.16	20.17	20.16	20.06
		1	37	23.26	24.20	24.18	20.57	21.01	21.20	23.35	24.18	24.05	20.07	20.05	20.19
		18	9	23.84	23.93	23.26	20.81	21.06	21.09	23.92	23.76	23.67	20.19	20.10	20.18
		36	0	23.85	23.92	23.36	20.83	21.00	21.08	23.81	23.71	23.71	20.17	20.06	20.11

OUTPUT POWER FOR 5G NR n77 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				630666	633332	635998	630666	633332	635998	630666	633332	635998	630666	633332	635998
20.0	BPSK	1	0	25.05	24.29	24.66	22.13	22.10	21.77	25.07	23.97	24.76	21.16	21.14	21.17
		1	1	28.68	27.69	27.93	25.61	25.67	25.08	28.68	27.33	27.95	24.61	24.64	24.68
		1	49	27.20	28.70	28.68	24.85	25.56	25.62	27.24	28.70	28.65	24.70	24.67	24.67
		1	50	23.88	25.17	25.13	21.49	22.12	22.09	23.80	25.13	25.20	21.14	21.18	21.09
		25	12	27.98	28.30	27.76	25.03	25.66	25.36	28.14	28.13	27.96	24.58	24.64	24.59
	QPSK	50	0	27.77	28.16	27.54	24.95	25.09	25.18	27.96	28.01	27.94	24.10	24.01	24.16
		1	0	25.01	24.24	24.67	22.20	22.08	21.78	25.05	24.02	24.69	21.02	21.00	21.07
		1	1	28.70	27.06	27.30	25.70	25.70	25.16	28.70	27.42	27.42	24.69	24.68	24.70
		1	49	27.19	28.70	28.70	24.84	25.56	25.70	26.79	28.65	28.70	24.66	24.70	24.62
		1	50	23.81	25.05	25.06	21.51	22.16	22.12	23.87	25.00	25.01	21.00	21.02	21.20
	16QAM	25	12	27.97	28.38	26.83	25.10	25.62	25.46	28.18	28.11	27.68	24.59	24.67	24.68
		50	0	27.26	27.68	26.30	24.48	24.65	24.70	27.51	27.45	27.35	23.69	23.56	23.64
		1	0	25.18	24.20	24.48	22.12	22.20	21.67	25.02	24.03	24.58	21.13	21.16	21.04
		1	1	27.57	26.28	26.36	24.68	24.58	24.41	27.53	26.58	26.42	23.60	23.52	23.54
		1	49	26.26	27.57	27.50	24.06	24.64	24.61	25.86	27.54	27.69	23.63	23.54	23.51
	64QAM	1	50	23.71	25.16	25.19	21.29	22.04	22.15	23.62	25.03	25.20	21.19	21.19	21.07
		25	12	27.09	27.36	25.92	24.15	24.67	24.60	27.31	27.18	26.61	23.66	23.50	23.61
		50	0	26.05	26.35	25.26	23.21	23.62	23.55	26.17	26.31	26.10	22.56	22.56	22.66
		1	0	25.18	24.23	24.46	22.16	22.16	21.86	25.13	23.88	24.53	21.12	21.19	21.10
		1	1	26.18	24.68	25.04	23.09	23.20	22.75	26.09	24.75	25.18	22.19	22.17	22.01
	256QAM	1	49	24.77	26.01	26.06	22.48	23.17	23.15	24.48	26.06	26.07	22.00	22.07	22.08
		1	50	23.77	25.14	25.20	21.55	22.08	22.12	23.79	25.11	25.03	21.20	21.18	21.05
		25	12	25.46	25.90	24.45	22.70	23.06	23.10	25.67	25.69	25.27	22.02	22.15	22.18
		50	0	25.50	25.84	24.80	22.73	23.18	23.04	25.66	25.72	25.51	22.18	22.10	22.18
		1	0	24.08	23.12	23.47	21.03	21.16	20.75	24.06	22.62	23.64	20.20	20.13	20.19
		1	1	24.01	23.21	23.39	21.01	21.13	20.70	24.01	22.77	23.56	20.10	20.19	20.14
		1	49	22.64	24.20	24.18	20.36	21.14	21.19	22.87	24.15	24.17	20.15	20.20	20.00
		1	50	22.64	24.19	24.18	20.46	21.01	21.16	22.76	24.03	24.00	20.15	20.13	20.18
		25	12	23.51	23.92	22.99	20.71	21.04	21.02	23.74	23.75	23.69	20.19	20.05	20.14
		50	0	23.53	23.88	23.36	20.68	21.20	21.02	23.67	23.66	23.79	20.19	20.09	20.02

OUTPUT POWER FOR 5G NR n77 (25.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				630834	633332	635832	630834	633332	635832	630834	633332	635832	630834	633332	635832
25.0	BPSK	1	0	25.01	24.03	24.88	22.17	22.05	21.57	25.18	23.81	24.91	21.13	21.15	21.07
		1	1	28.60	27.39	28.18	25.69	25.70	24.98	28.70	27.09	28.22	24.70	24.60	24.67
		1	63	26.91	28.63	28.70	25.03	25.63	25.67	26.81	28.60	28.66	24.65	24.70	24.70
		1	64	23.54	25.12	25.09	21.69	22.03	22.06	23.56	25.03	25.12	21.00	21.16	21.18
		32	16	27.76	28.21	27.55	24.91	25.65	25.27	27.75	28.06	27.90	24.47	24.49	24.59
		64	0	27.52	28.00	27.62	24.71	25.09	25.04	27.60	27.84	27.84	24.16	24.06	24.17
	QPSK	1	0	25.12	24.08	24.79	22.03	22.09	21.68	25.10	23.82	25.02	21.16	21.19	21.09
		1	1	28.70	26.78	27.76	25.70	25.69	25.02	28.60	26.92	27.66	24.60	24.60	24.64
		1	63	26.87	28.70	28.70	24.88	25.59	25.70	26.10	28.70	28.70	24.63	24.63	24.70
		1	64	23.60	25.11	25.04	21.67	22.20	22.15	23.50	25.01	25.11	21.13	21.18	21.08
		32	16	27.72	28.40	26.56	24.95	25.70	25.34	27.85	28.13	27.18	24.58	24.49	24.54
		64	0	26.99	27.59	26.24	24.25	24.55	24.52	26.99	27.32	26.92	23.69	23.50	23.67
	16QAM	1	0	25.20	23.90	24.59	22.19	22.10	21.71	25.20	23.64	24.87	21.04	21.15	21.14
		1	1	27.57	25.80	26.89	24.68	24.67	24.13	27.69	25.98	26.75	23.67	23.60	23.50
		1	63	25.92	27.54	27.68	24.21	24.68	24.64	25.23	27.64	27.70	23.52	23.51	23.54
		1	64	23.41	25.06	25.12	21.61	22.12	22.01	23.42	25.12	25.20	21.19	21.11	21.18
		32	16	26.84	27.49	25.79	23.99	24.67	24.49	26.90	27.22	26.26	23.62	23.65	23.54
		64	0	25.87	26.44	25.20	23.14	23.59	23.44	25.93	26.19	25.77	22.68	22.60	22.70
	64QAM	1	0	25.18	24.06	24.80	22.20	22.10	21.58	25.20	23.66	24.77	21.20	21.14	21.00
		1	1	26.16	24.53	25.67	23.04	23.20	22.65	26.11	24.61	25.45	22.17	22.19	22.12
		1	63	24.43	26.20	26.00	22.67	23.14	23.17	23.63	26.08	26.20	22.06	22.02	22.17
		1	64	23.40	25.19	25.18	21.55	22.12	22.19	23.43	25.08	25.16	21.09	21.07	21.12
		32	16	25.33	26.01	24.28	22.56	23.02	22.93	25.39	25.64	24.92	22.13	22.11	22.17
		64	0	25.34	25.97	24.69	22.64	23.10	22.93	25.42	25.68	25.29	22.14	22.07	22.20
	256QAM	1	0	24.13	22.92	23.73	21.18	21.17	20.72	24.14	22.51	23.71	20.09	20.17	20.03
		1	1	24.15	22.87	23.73	21.02	21.08	20.58	24.12	22.81	24.01	20.05	20.12	20.12
		1	63	22.38	24.14	24.18	20.56	21.13	21.16	22.53	24.13	23.96	20.15	20.09	20.20
		1	64	22.25	24.19	24.00	20.69	21.18	21.19	22.31	23.89	24.20	20.19	20.19	20.18
		32	16	23.13	23.97	22.83	20.48	21.02	20.83	23.28	23.65	23.37	20.09	20.13	20.15
		64	0	23.15	23.92	23.24	20.57	21.09	20.85	23.43	23.63	23.62	20.10	20.12	20.14

OUTPUT POWER FOR 5G NR n77 (30.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				631000	633332	635666	631000	633332	635666	631000	633332	635666	631000	633332	635666
30.0	BPSK	1	0	25.03	23.89	25.03	22.20	22.18	21.58	25.15	23.71	25.10	21.11	21.19	21.10
		1	1	28.70	27.23	28.44	25.70	25.58	24.95	28.70	27.05	28.70	24.59	24.70	24.66
		1	76	26.79	28.70	28.63	25.21	25.57	25.66	26.62	28.70	28.65	24.56	24.65	24.69
		1	77	23.37	25.19	25.18	21.87	22.15	22.09	23.34	25.20	25.12	21.05	21.08	21.19
		36	18	27.50	28.25	27.49	24.91	25.62	25.13	27.64	28.17	27.89	24.45	24.49	24.44
	QPSK	75	0	27.36	27.96	27.67	24.74	25.06	24.93	27.48	27.88	27.87	24.18	24.13	24.04
		1	0	25.19	23.90	25.11	22.01	22.20	21.65	25.14	23.71	25.19	21.17	21.07	21.20
		1	1	28.69	26.47	28.52	25.70	25.54	25.05	28.50	26.69	28.22	24.70	24.66	24.70
		1	76	26.28	28.61	28.70	25.24	25.56	25.70	25.81	28.70	28.64	24.58	24.59	24.63
		1	77	23.44	25.10	25.20	21.86	22.18	22.19	23.36	25.14	25.05	21.12	21.04	21.15
	16QAM	36	18	27.55	28.19	26.66	24.96	25.70	25.26	27.68	28.13	27.00	24.46	24.52	24.49
		75	0	26.89	27.47	26.37	24.31	24.54	24.57	26.97	27.38	26.82	23.68	23.58	23.65
		1	0	25.04	23.78	24.94	22.16	22.06	21.61	25.18	23.81	25.12	21.12	21.17	21.17
		1	1	27.62	25.61	27.43	24.69	24.68	24.08	27.57	25.77	27.33	23.66	23.61	23.68
		1	76	25.45	27.66	27.57	24.26	24.57	24.60	24.96	27.55	27.52	23.59	23.56	23.65
	64QAM	1	77	23.26	25.02	25.16	21.59	22.05	22.19	23.21	25.19	25.17	21.03	21.05	21.00
		36	18	26.62	27.29	25.69	24.12	24.66	24.39	26.75	27.25	26.08	23.55	23.62	23.60
		75	0	25.67	26.35	25.29	23.25	23.65	23.45	25.83	26.30	25.72	22.63	22.66	22.59
		1	0	25.10	23.80	24.99	22.06	22.18	21.58	24.98	23.81	25.10	21.18	21.17	21.05
		1	1	26.09	24.20	26.06	23.05	23.15	22.47	26.14	24.53	25.91	22.10	22.00	22.12
	256QAM	1	76	24.15	26.13	26.12	22.83	23.06	23.17	23.74	26.13	26.02	22.15	22.14	22.17
		1	77	23.23	25.01	25.10	21.86	22.17	22.02	22.98	25.20	25.11	21.07	21.08	21.16
		36	18	25.10	25.79	24.31	22.62	23.12	22.86	25.21	25.76	24.54	22.03	22.08	22.08
		75	0	25.16	25.77	24.80	22.72	23.10	22.92	25.33	25.78	25.27	22.08	22.19	22.13
		1	0	23.99	22.66	24.01	21.19	20.91	20.40	24.17	22.60	24.08	20.17	20.20	20.11
		1	1	24.18	22.78	23.93	21.08	21.18	20.52	23.96	22.54	24.13	20.00	20.20	20.19
		1	76	22.41	24.05	24.01	20.82	21.01	21.02	21.94	24.09	24.15	20.11	20.07	20.11
		1	77	22.49	24.01	24.08	20.71	20.95	21.19	22.05	24.17	24.03	19.93	20.12	20.15
		36	18	23.10	23.80	22.88	20.58	21.12	20.82	23.19	23.65	23.12	20.06	20.09	20.04
		75	0	23.22	23.85	23.43	20.71	21.12	20.86	23.32	23.72	23.70	20.06	20.11	20.08

OUTPUT POWER FOR 5G NR n77 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				631332	633332	635332	631332	633332	635332	631332	633332	635332	631332	633332	635332
40.0	BPSK	1	0	25.07	24.11	25.09	22.16	21.77	21.57	25.11	23.95	25.09	21.01	21.02	21.13
		1	1	28.70	27.50	28.68	25.70	25.16	24.93	28.67	27.18	28.70	24.68	24.58	24.63
		1	104	27.41	28.64	28.19	25.64	25.38	25.60	27.09	28.70	28.00	24.60	24.64	24.70
		1	105	23.97	25.11	24.85	22.05	22.01	22.09	23.78	25.00	24.55	21.20	21.18	21.06
		50	25	27.29	28.70	27.38	25.03	25.67	24.96	27.23	28.65	26.28	24.67	24.56	24.61
	QPSK	100	0	27.45	28.07	27.55	24.91	25.10	24.89	27.40	28.05	26.72	24.14	24.10	24.00
		1	0	25.01	24.09	25.06	22.02	21.79	21.69	25.08	23.99	25.11	21.03	21.11	21.03
		1	1	28.69	26.74	28.70	25.62	25.33	24.98	28.70	26.46	28.53	24.68	24.66	24.65
		1	104	26.46	28.66	27.94	25.63	25.27	25.70	26.62	28.46	27.83	24.70	24.70	24.57
		1	105	23.88	25.16	24.96	22.20	22.00	22.09	23.75	25.07	24.42	21.20	21.20	21.16
	16QAM	50	25	27.37	28.43	26.62	24.81	25.70	24.95	26.57	28.39	25.58	24.70	24.61	24.65
		100	0	26.73	27.56	26.36	24.27	24.65	24.42	25.97	27.27	25.59	23.54	23.66	23.62
		1	0	25.08	24.01	25.13	22.09	21.86	21.51	24.98	23.62	25.03	21.20	21.02	21.11
		1	1	27.66	25.93	27.58	24.70	24.40	24.06	27.67	25.48	27.66	23.60	23.68	23.66
		1	104	25.53	27.58	27.11	24.68	24.32	24.64	25.57	27.52	27.03	23.68	23.59	23.69
	64QAM	1	105	23.98	25.19	24.90	22.18	21.93	22.20	23.66	25.18	24.04	21.17	21.08	21.10
		50	25	26.48	27.38	25.79	23.98	24.64	23.97	25.49	27.65	24.71	23.54	23.58	23.57
		100	0	25.73	26.36	25.41	23.23	23.66	23.11	25.18	26.34	24.62	22.68	22.66	22.59
		1	0	25.01	23.99	25.00	22.19	21.74	21.55	25.07	23.55	25.08	21.01	21.13	21.13
		1	1	26.04	24.55	26.08	23.18	22.81	22.52	26.06	24.19	26.03	22.01	22.09	22.01
	256QAM	1	104	24.21	26.05	25.64	23.13	22.93	23.14	24.19	26.17	25.53	22.03	22.14	22.00
		1	105	23.92	25.09	24.98	22.10	21.95	22.09	23.74	25.09	24.39	21.15	21.10	21.20
		50	25	24.94	25.97	24.43	22.45	23.04	22.54	24.13	26.12	23.48	22.11	22.18	22.12
		100	0	25.22	25.95	24.99	22.67	23.11	22.66	24.74	25.92	24.25	22.16	22.17	22.08
		1	0	24.11	22.87	24.04	21.14	20.52	20.40	24.07	22.79	24.11	20.18	20.12	20.03
		1	1	24.11	22.95	24.14	21.19	20.72	20.56	24.09	22.79	24.00	20.13	20.16	20.15
		1	104	22.67	24.15	23.75	21.10	20.93	21.12	22.44	23.99	23.36	20.11	20.20	20.19
		1	105	22.68	24.16	23.79	21.14	20.82	21.04	22.73	23.99	23.36	20.07	20.10	20.16
		50	25	22.82	24.03	22.92	20.45	21.10	20.48	22.80	24.10	21.89	20.08	20.08	20.18
		100	0	23.03	24.12	23.37	20.67	21.10	20.60	23.16	24.01	22.60	20.19	20.15	20.11

OUTPUT POWER FOR 5G NR n77 (50.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				631666	633332	634998	631666	633332	634998	631666	633332	634998	631666	633332	634998
50.0	BPSK	1	0	25.16	23.92	25.01	22.16	21.42	21.55	24.93	24.03	25.07	21.18	21.08	21.05
		1	1	28.60	27.30	28.70	25.52	25.00	25.00	28.70	27.22	28.49	24.61	24.65	24.62
		1	131	28.21	28.48	28.47	25.70	25.57	25.04	28.03	28.18	28.13	24.60	24.63	24.66
		1	132	25.06	24.99	25.18	22.20	22.13	21.63	24.72	25.04	24.92	21.03	21.07	21.04
		64	32	27.26	28.70	28.26	24.80	25.70	24.78	26.39	28.70	27.66	24.58	24.68	24.68
	QPSK	128	0	27.34	28.17	28.18	24.70	25.01	24.65	26.85	27.79	27.93	24.05	24.14	24.06
		1	0	25.04	23.92	25.00	22.15	21.62	21.50	25.17	24.00	25.08	21.09	21.04	21.19
		1	1	28.70	26.72	28.61	25.66	24.79	24.83	28.56	26.24	28.70	24.59	24.67	24.65
		1	131	28.13	27.89	28.10	25.66	25.30	25.70	28.12	27.45	28.32	24.70	24.70	24.62
		1	132	24.93	24.93	25.18	22.18	22.00	22.10	24.81	24.93	24.98	21.19	21.19	21.06
	16QAM	64	32	26.71	28.37	27.53	24.80	25.42	25.04	25.40	28.52	26.86	24.60	24.67	24.70
		128	0	26.37	27.23	26.73	24.30	24.43	24.42	25.93	26.64	26.55	23.56	23.54	23.60
		1	0	25.02	24.07	25.12	22.14	21.37	21.75	25.18	24.11	25.14	21.16	21.11	21.12
		1	1	27.65	26.03	27.62	24.70	23.84	24.37	27.70	25.17	27.57	23.61	23.56	23.68
		1	131	27.23	27.18	27.11	24.53	24.41	24.61	27.24	26.47	27.47	23.60	23.54	23.64
	64QAM	1	132	24.82	24.89	25.12	22.11	21.82	22.17	24.90	24.88	24.92	21.09	21.08	21.02
		64	32	25.90	27.36	26.71	23.92	24.41	24.09	24.54	27.62	25.83	23.54	23.57	23.68
		128	0	25.59	26.11	25.84	23.21	23.26	23.29	24.78	25.80	25.71	22.65	22.67	22.58
		1	0	25.02	24.05	25.13	22.11	21.16	21.82	25.06	23.78	25.18	21.15	21.10	21.10
		1	1	26.01	24.66	26.15	23.19	21.87	22.72	26.10	23.65	26.03	22.16	22.17	22.02
	256QAM	1	131	25.69	25.99	25.83	23.15	22.91	23.20	25.86	25.29	26.10	22.14	22.19	22.15
		1	132	24.83	24.91	25.17	22.10	21.82	22.16	24.72	24.91	24.79	21.11	21.19	21.00
		64	32	24.41	26.03	25.32	22.83	22.86	22.64	23.13	26.15	24.43	22.18	22.13	22.19
		128	0	25.04	25.68	25.50	22.88	22.69	22.79	24.21	25.27	25.21	22.20	22.18	22.06
		1	0	24.00	22.88	24.02	21.13	20.17	20.86	24.00	22.76	24.15	20.13	20.19	20.07
		1	1	24.20	22.76	24.01	21.15	20.17	20.79	24.14	22.49	24.07	20.05	20.19	20.13
		1	131	23.96	23.69	24.03	21.01	20.81	20.95	23.90	23.89	23.73	20.12	20.09	20.13
		1	132	23.97	23.94	23.82	21.04	20.82	21.03	23.64	23.55	23.86	20.03	20.05	20.01
		64	32	22.68	24.14	23.64	20.58	20.77	20.54	21.73	24.17	22.94	20.18	20.04	20.19
		128	0	23.20	23.92	23.87	20.86	20.60	20.67	22.83	24.03	23.73	20.15	20.09	20.17

OUTPUT POWER FOR 5G NR n77 (60.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				632000	633332	634666	632000	633332	634666	632000	633332	634666	632000	633332	634666
60.0	BPSK	1	0	25.19	24.44	24.61	22.20	21.72	21.67	25.17	24.46	24.63	21.13	21.07	21.06
		1	1	28.46	27.57	27.99	25.51	25.12	24.98	28.70	27.75	27.95	24.45	24.34	24.60
		1	160	28.70	28.28	28.70	25.34	25.69	25.48	28.60	28.09	28.63	24.47	24.53	24.56
		1	161	25.01	24.90	25.18	22.13	22.11	22.19	25.00	24.70	25.00	21.10	21.17	21.01
		81	40	26.87	28.70	28.64	25.14	25.70	25.18	26.36	28.70	28.68	24.38	24.40	24.54
	QPSK	162	0	27.37	28.08	28.09	25.12	25.07	25.10	27.34	28.05	28.05	24.13	24.02	24.02
		1	0	25.18	24.44	24.89	22.14	21.75	21.64	25.16	24.45	24.60	21.18	21.16	21.12
		1	1	28.55	27.73	27.51	25.70	24.95	25.23	28.48	27.09	27.61	24.58	24.62	24.61
		1	160	28.65	27.60	28.47	25.58	25.52	25.70	28.64	27.37	28.70	24.70	24.70	24.62
		1	161	25.20	24.86	25.06	22.19	22.19	22.08	25.20	24.83	25.05	21.04	21.13	21.14
	16QAM	81	40	26.22	28.69	28.66	25.12	25.33	25.39	25.67	28.39	28.17	24.46	24.42	24.52
		162	0	26.95	27.49	27.52	24.61	24.52	24.69	26.90	27.21	27.49	23.65	23.37	23.40
		1	0	25.10	24.31	24.45	22.18	21.18	22.03	25.04	24.35	24.28	20.93	20.59	20.48
		1	1	27.56	26.75	26.48	24.55	23.56	24.64	27.55	26.16	26.86	23.35	23.22	23.19
		1	160	27.64	26.56	27.43	24.62	24.46	24.63	27.52	26.60	27.60	23.05	23.47	23.16
	64QAM	1	161	24.97	24.71	25.00	22.15	22.00	22.04	24.89	24.44	25.16	20.70	20.72	20.66
		81	40	25.29	27.61	27.64	24.22	24.41	24.51	24.56	27.61	27.22	23.10	23.15	23.17
		162	0	25.66	26.39	26.46	23.36	23.22	23.51	25.66	26.23	26.47	22.15	22.18	22.19
		1	0	25.18	24.34	24.44	22.10	21.31	22.06	25.17	24.55	24.62	20.75	20.68	20.86
		1	1	25.80	25.31	24.99	23.11	22.17	23.14	26.06	24.96	25.55	21.72	21.78	21.78
	256QAM	1	160	25.93	25.28	26.13	23.19	22.86	23.10	26.19	25.27	26.00	21.47	21.77	21.77
		1	161	24.90	24.62	25.00	22.12	21.71	22.10	25.01	24.99	25.16	20.73	20.74	20.73
		81	40	23.97	26.20	26.20	22.65	22.85	23.03	23.21	26.11	25.72	21.66	21.68	21.72
		162	0	25.10	25.87	25.98	22.87	22.68	23.00	25.14	25.84	25.94	21.68	21.72	21.76
		1	0	23.96	23.05	23.47	21.18	20.17	21.11	24.06	23.55	23.50	19.54	19.64	20.00
		1	1	23.97	23.22	23.64	21.19	20.12	21.14	24.02	23.18	23.42	19.73	19.71	19.58
		1	160	24.15	23.74	24.10	21.12	20.77	21.12	24.00	23.81	24.12	19.62	19.84	19.75
		1	161	24.05	23.52	24.15	21.19	20.58	21.16	24.01	23.62	23.89	19.43	19.76	19.67
		81	40	22.50	24.03	24.06	20.73	20.80	21.02	21.79	24.04	24.12	19.63	19.70	19.70
		162	0	23.16	23.86	24.07	20.88	20.63	21.04	23.09	24.08	24.07	19.66	19.72	19.69

OUTPUT POWER FOR 5G NR n77 (70.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				632333	633332	634333	632333	633332	634333	632333	633332	634333	632333	633332	634333
70.0	BPSK	1	0	25.15	24.70	24.03	22.04	21.69	21.01	25.04	24.83	23.74	21.18	21.07	21.18
		1	1	28.70	28.03	27.29	25.54	24.90	24.66	28.64	28.03	26.98	24.69	24.60	24.62
		1	187	28.29	28.02	28.63	25.32	25.68	25.70	28.05	27.87	28.20	24.66	24.64	24.60
		1	188	24.99	24.79	25.01	22.18	22.02	22.08	24.84	24.60	25.16	21.20	21.07	21.05
		90	45	27.31	28.66	28.70	25.26	25.70	25.08	27.14	28.70	28.70	24.69	24.67	24.64
		180	0	27.61	28.05	28.03	25.08	25.20	24.73	27.54	28.16	27.99	24.17	24.05	24.02
	QPSK	1	0	25.11	24.74	24.01	22.16	21.81	21.12	25.03	24.99	23.83	21.01	21.20	21.17
		1	1	28.67	27.93	26.67	25.70	25.03	24.54	28.70	27.80	26.33	24.68	24.70	24.59
		1	187	28.32	27.11	28.22	25.31	25.61	25.52	27.65	27.07	28.42	24.70	24.65	24.70
		1	188	24.84	24.72	25.03	22.14	22.05	21.88	24.88	24.59	25.04	21.09	21.20	21.18
		90	45	26.58	28.70	28.15	24.97	25.57	25.08	26.32	28.22	28.42	24.65	24.68	24.67
		180	0	27.19	27.41	26.97	24.34	24.68	24.19	27.08	27.17	26.92	23.60	23.51	23.55
	16QAM	1	0	25.16	24.60	23.91	22.01	21.70	20.81	25.02	24.65	23.88	21.03	21.20	21.07
		1	1	27.62	27.02	25.77	24.54	24.22	23.57	27.55	27.04	25.33	23.68	23.53	23.70
		1	187	27.37	26.29	27.50	24.69	24.67	24.47	27.11	26.28	27.55	23.55	23.57	23.50
		1	188	24.62	24.51	25.13	21.98	22.17	22.01	24.68	24.65	25.14	21.05	21.19	21.20
		90	45	25.59	27.52	27.56	24.09	24.61	24.27	25.15	27.41	27.57	23.55	23.58	23.57
		180	0	26.11	26.39	26.08	23.12	23.55	23.11	25.92	26.03	25.95	22.57	22.69	22.62
	64QAM	1	0	25.01	24.70	23.90	22.11	21.69	20.75	25.09	24.76	23.53	21.04	21.08	21.10
		1	1	26.08	25.74	24.40	23.04	22.60	22.09	26.04	25.57	23.75	22.08	22.16	22.07
		1	187	25.91	24.94	25.82	22.91	23.12	22.93	25.90	25.05	26.05	22.07	22.18	22.03
		1	188	24.97	24.78	25.02	21.76	22.09	22.10	24.97	24.62	25.09	21.00	21.02	21.10
		90	45	24.13	25.99	26.16	22.40	23.11	22.73	23.81	25.94	26.06	22.19	22.01	22.17
		180	0	25.60	26.02	25.58	22.64	23.02	22.72	25.58	25.57	25.47	22.17	22.03	22.16
	256QAM	1	0	24.00	23.70	22.99	21.17	20.69	20.11	24.06	23.30	22.50	20.11	20.02	20.19
		1	1	24.07	23.47	23.10	21.09	20.70	20.41	23.79	23.78	22.32	20.12	20.12	20.10
		1	187	24.08	23.42	24.08	20.92	21.02	20.99	23.83	23.54	24.14	20.05	20.19	20.17
		1	188	23.87	23.43	24.15	21.06	21.01	21.12	23.73	22.98	24.08	20.11	20.18	20.04
		90	45	22.77	24.20	24.01	20.43	21.07	20.73	22.23	24.08	24.06	20.17	20.16	20.05
		180	0	23.57	23.91	24.00	20.74	20.88	20.68	23.38	23.78	23.88	20.17	20.15	20.17

OUTPUT POWER FOR 5G NR n77 (80.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				632666	633332	633998	632666	633332	633998	632666	633332	633998	632666	633332	633998
80.0	BPSK	1	0	25.08	25.14	24.20	22.12	21.91	21.07	25.08	25.19	24.18	21.03	21.20	21.12
		1	1	28.70	28.52	27.57	25.58	25.27	24.53	28.53	28.59	27.39	24.55	24.64	24.51
		1	215	27.80	27.85	28.70	25.32	25.47	25.70	27.32	27.96	28.55	24.33	24.70	24.54
		1	216	24.32	24.88	25.02	21.86	22.12	22.17	24.14	24.64	25.05	21.20	21.03	21.12
		108	54	27.67	28.70	28.54	24.94	25.28	25.26	27.61	28.47	28.54	24.30	24.49	24.43
		216	0	27.72	28.17	27.99	24.74	25.00	24.95	27.59	28.06	28.05	24.06	24.07	24.15
	QPSK	1	0	25.18	25.20	24.07	22.06	21.80	21.26	25.16	25.11	24.43	21.19	21.06	21.15
		1	1	28.68	28.65	27.33	25.70	25.20	24.54	28.70	28.70	26.78	24.49	24.70	24.58
		1	215	26.94	27.15	28.19	25.22	25.70	25.54	26.37	27.58	28.70	24.70	24.67	24.70
		1	216	24.28	25.00	25.16	21.89	22.16	22.17	24.00	24.60	25.00	21.14	21.17	21.11
		108	54	27.24	28.36	27.79	24.84	25.38	25.31	27.34	27.85	28.03	24.47	24.50	24.43
		216	0	27.20	27.61	26.92	24.20	24.49	24.53	27.20	27.08	26.85	23.52	23.61	23.63
	16QAM	1	0	25.12	25.01	23.95	22.11	21.76	21.24	25.12	25.04	24.06	21.13	21.07	21.05
		1	1	27.68	27.70	26.57	24.53	24.48	23.67	27.62	27.49	25.95	23.55	23.49	23.60
		1	215	25.97	26.17	27.41	24.16	24.69	24.64	25.55	26.69	27.65	23.50	23.59	23.51
		1	216	23.87	25.05	25.08	21.68	21.99	22.12	24.19	24.28	25.15	21.03	21.16	20.94
		108	54	26.04	27.65	27.40	23.90	24.42	24.54	26.31	27.04	27.45	23.51	23.55	23.57
		216	0	25.99	26.35	25.88	22.95	23.32	23.37	25.71	25.90	25.87	22.59	22.63	22.53
	64QAM	1	0	25.05	25.17	23.94	22.13	21.80	21.52	25.14	25.07	24.45	21.15	21.18	20.84
		1	1	26.08	26.17	25.21	23.17	22.87	22.28	26.11	25.98	24.72	22.09	22.12	22.15
		1	215	24.57	24.91	25.87	22.64	23.16	23.04	23.85	24.89	26.03	22.18	22.09	21.66
		1	216	24.17	24.85	25.16	21.65	22.03	21.99	24.01	24.28	25.08	21.03	21.07	21.14
		108	54	24.62	26.07	26.00	22.48	22.82	22.98	24.69	25.71	26.00	21.99	22.04	21.92
		216	0	25.37	26.00	25.48	22.54	22.72	22.81	25.30	25.39	25.49	21.99	22.05	21.95
	256QAM	1	0	24.07	24.13	23.12	20.98	20.81	20.18	24.11	23.74	23.01	20.05	20.17	20.08
		1	1	23.98	24.13	22.97	20.96	20.76	19.89	24.20	23.84	23.15	19.95	20.07	19.70
		1	215	23.28	23.39	24.07	20.65	21.02	21.15	23.05	22.84	24.12	20.05	20.17	19.95
		1	216	23.08	23.39	24.19	20.32	21.14	21.02	22.84	23.41	24.04	20.09	19.99	19.65
		108	54	23.00	24.11	24.18	20.28	20.74	20.87	23.03	23.94	24.16	19.89	19.99	19.92
		216	0	23.35	23.98	23.81	20.38	20.71	20.74	23.37	23.69	23.66	19.95	20.02	19.94

OUTPUT POWER FOR 5G NR n77 (90.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				633000	633332	633666	633000	633332	633666	633000	633332	633666	633000	633332	633666
90.0	BPSK	1	0	25.19	25.14	25.07	22.14	22.14	22.13	25.17	25.07	25.05	19.85	21.19	21.08
		1	1	28.70	28.70	28.69	25.59	25.51	24.96	28.61	28.70	28.67	24.48	24.54	24.42
		1	243	27.20	27.87	28.70	25.51	25.59	25.70	27.14	27.70	28.70	24.35	24.61	24.36
		1	244	24.23	24.54	25.20	22.18	22.16	22.00	23.76	24.31	25.02	21.17	21.13	21.16
		120	60	27.63	28.03	28.63	25.05	25.21	25.44	27.51	27.59	28.50	24.35	24.51	24.39
	QPSK	243	0	27.43	27.67	28.09	24.89	24.99	25.17	27.34	27.53	28.11	24.19	24.18	24.17
		1	0	25.13	25.17	25.17	22.06	22.17	22.06	25.20	25.12	25.10	21.07	21.15	21.19
		1	1	28.70	28.66	28.63	25.70	25.46	25.07	28.70	28.57	28.65	24.70	24.70	24.70
		1	243	26.24	27.01	28.35	25.47	25.70	25.64	26.57	27.55	28.60	24.04	24.39	24.33
		1	244	24.16	24.63	25.15	22.10	22.12	22.00	23.77	24.12	25.00	20.92	21.03	20.94
	16QAM	120	60	27.59	27.84	28.11	25.09	25.27	25.48	27.12	27.09	27.76	24.03	24.17	24.04
		243	0	26.89	27.03	27.13	24.52	24.52	24.54	26.58	26.56	27.10	23.43	23.61	23.46
		1	0	25.13	25.02	25.05	22.11	22.03	21.50	25.16	25.12	25.11	20.93	21.09	20.61
		1	1	27.61	27.45	27.53	24.64	24.62	24.16	27.43	27.57	27.58	23.37	23.32	23.28
		1	243	25.33	26.19	27.28	24.50	24.59	24.54	25.85	26.71	27.52	23.07	23.44	23.39
	64QAM	1	244	23.98	24.41	25.14	22.17	22.20	22.19	23.84	24.13	25.07	20.69	20.93	20.67
		120	60	26.25	26.64	27.17	24.16	24.57	24.27	26.07	26.18	27.02	23.18	23.35	23.24
		243	0	25.73	25.65	26.11	23.29	23.58	23.22	25.43	25.23	25.92	22.25	22.27	22.27
		1	0	25.17	25.14	25.14	22.17	22.15	21.79	24.86	24.82	25.17	20.88	20.93	20.86
		1	1	25.98	26.10	26.11	23.04	23.02	22.92	26.03	26.12	26.13	21.76	22.01	21.82
	256QAM	1	243	24.05	24.89	26.04	22.88	23.17	23.03	24.66	25.04	25.82	21.94	21.98	21.59
		1	244	23.88	24.66	25.18	22.12	22.04	22.20	23.82	24.03	25.07	20.54	21.10	20.85
		120	60	24.91	25.29	25.86	22.71	23.13	23.04	24.69	24.80	25.62	21.67	21.86	21.73
		243	0	25.24	25.33	25.71	22.62	23.12	22.99	24.92	24.84	25.42	21.71	21.84	21.76
		1	0	23.98	24.06	24.16	21.03	21.16	21.00	24.18	23.98	24.18	19.66	19.61	19.94
		1	1	24.20	24.17	24.05	21.01	21.08	20.98	24.02	24.02	24.14	19.94	19.85	19.85
		1	243	22.56	23.46	24.10	20.81	21.18	21.19	22.77	23.28	24.15	19.76	19.66	19.80
		1	244	22.58	23.33	24.05	20.96	21.18	21.15	22.63	23.01	24.13	19.74	19.84	19.85
		120	60	23.24	23.54	24.12	20.60	21.14	21.07	23.04	23.31	23.96	19.65	19.83	19.74
		243	0	23.29	23.35	23.83	20.71	21.08	21.20	23.10	23.10	23.65	19.67	19.91	19.73

OUTPUT POWER FOR 5G NR n77 (100.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				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		25.07			22.01			25.15			21.13	
		1	1		28.70			25.70			28.66			24.39	
		1	271		27.92			25.68			27.98			24.48	
		1	272		24.79			22.15			24.53			21.17	
		135	67		27.67			25.13			27.77			24.42	
	QPSK	270	0		27.33			24.99			27.62			24.15	
		1	0		25.08			22.16			25.16			21.19	
		1	1		28.67			25.37			28.70			24.70	
		1	271		27.65			25.25			27.67			24.37	
		1	272		24.83			22.14			24.90			21.14	
	16QAM	135	67		27.52			25.33			27.09			24.35	
		270	0		26.68			24.62			26.87			23.67	
		1	0		25.12			22.12			25.01			21.15	
		1	1		27.70			24.52			27.65			23.61	
		1	271		26.71			24.57			26.95			23.52	
	64QAM	1	272		24.77			22.07			24.60			21.06	
		135	67		26.39			24.15			26.40			23.55	
		270	0		25.60			22.51			25.72			22.51	
		1	0		25.08			21.79			25.16			21.19	
		1	1		26.00			22.60			26.19			21.99	
	256QAM	1	271		25.29			22.52			25.67			21.92	
		1	272		24.87			21.51			24.53			21.18	
		135	67		25.00			22.03			24.90			21.95	
		270	0		25.09			22.10			25.35			22.02	
		1	0		24.10			20.96			24.15			19.76	
		1	1		24.06			20.78			24.03			20.11	
		1	271		23.69			20.55			23.19			20.07	
		1	272		23.34			20.95			23.52			19.98	
		135	67		23.27			20.47			23.21			19.98	
		270	0		23.24			20.50			23.37			19.95	

8.2. 5G NR n77 (FCC Part 27 3700-3980MHz)

Test Engineer ID:	32061	Test Date:	2025-01-09
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OUTPUT POWER FOR 5G NR n77 (10.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				647000	656000	665000	647000	656000	665000	647000	656000	665000	647000	656000	665000
10.0	BPSK	1	0	25.16	25.09	25.14	22.13	21.94	21.58	25.18	25.01	24.56	21.07	21.17	21.17
		1	1	28.49	28.43	28.49	25.39	25.57	24.97	28.70	28.69	28.16	24.51	24.59	24.57
		1	22	28.46	28.70	28.61	25.38	25.59	25.68	28.69	28.69	28.36	24.63	24.70	24.70
		1	23	25.13	25.14	25.19	22.14	22.13	21.72	25.12	25.01	24.63	21.10	21.17	21.07
		12	6	28.68	28.60	28.70	22.70	25.54	25.16	28.64	28.60	28.33	24.50	24.60	24.60
		24	0	28.03	28.18	28.18	25.03	25.10	24.81	28.10	28.11	27.65	24.13	24.18	24.18
	QPSK	1	0	25.16	25.07	25.16	22.19	22.17	22.15	25.10	25.12	24.62	21.17	21.19	21.11
		1	1	28.50	28.62	28.53	25.70	25.59	25.54	28.67	28.66	28.31	24.55	24.56	24.56
		1	22	28.70	28.70	28.70	25.63	25.70	25.70	28.68	28.70	28.36	24.70	24.69	24.70
		1	23	25.14	25.20	25.20	22.07	22.02	22.20	25.20	25.02	24.68	21.11	21.09	21.02
		12	6	28.50	28.42	28.47	25.47	25.61	25.53	28.65	28.63	28.27	24.53	24.63	24.60
		24	0	27.70	27.52	27.68	24.51	24.64	24.50	27.63	27.55	27.21	23.63	23.60	23.54
	16QAM	1	0	25.19	25.14	25.11	22.13	22.20	22.10	25.05	25.13	24.46	21.08	21.07	21.04
		1	1	27.56	27.68	27.51	24.68	24.54	24.70	27.59	27.60	27.08	23.63	23.63	23.54
		1	22	27.58	27.63	27.50	24.57	24.64	24.68	27.64	27.64	27.04	23.53	23.67	23.70
		1	23	24.99	25.10	25.14	22.03	22.05	22.16	25.19	25.07	24.54	21.10	21.18	21.12
		12	6	27.48	27.42	27.54	24.56	24.64	24.63	27.56	27.70	27.04	23.58	23.69	23.67
		24	0	26.68	26.52	26.52	23.62	23.45	23.69	26.52	26.58	26.13	22.63	22.67	22.66
	64QAM	1	0	25.13	25.15	25.15	22.07	21.78	22.00	25.03	25.03	24.50	21.09	21.02	21.02
		1	1	26.05	25.99	26.01	23.20	23.03	23.13	26.20	26.08	25.66	22.08	22.09	22.17
		1	22	26.06	26.12	26.00	23.12	23.10	23.11	26.15	26.17	26.03	22.05	22.17	22.11
		1	23	25.16	25.18	25.08	22.05	21.97	22.04	25.12	25.04	25.00	21.06	21.15	21.12
		12	6	26.07	26.04	26.15	23.20	23.07	23.14	26.09	26.09	26.05	22.08	22.13	22.11
		24	0	26.15	26.17	26.11	23.09	22.90	23.20	26.16	26.12	26.15	22.07	22.15	22.15
	256QAM	1	0	24.00	24.09	24.12	21.02	20.75	21.04	24.19	24.17	23.95	19.98	20.11	19.96
		1	1	23.94	24.17	24.05	21.12	20.81	21.17	24.10	24.06	23.94	20.14	20.13	20.17
		1	22	24.14	24.11	24.20	21.11	20.84	21.14	24.16	24.11	24.08	20.11	20.04	20.04
		1	23	24.13	24.12	24.13	21.13	20.97	21.15	24.17	24.19	24.05	20.18	20.01	20.06
		12	6	23.98	24.12	24.20	21.07	21.20	21.11	24.05	24.11	24.02	20.12	20.09	20.18
		24	0	23.93	24.10	24.12	21.08	21.08	21.19	24.07	24.03	24.02	20.14	20.06	20.00

OUTPUT POWER FOR 5G NR n77 (15.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				647166	656000	664833	647166	656000	664833	647166	656000	664833	647166	656000	664833
15.0	BPSK	1	0	25.15	25.01	25.18	22.19	22.12	22.05	24.85	24.83	24.90	21.19	21.13	21.14
		1	1	28.61	28.57	28.50	25.65	25.67	25.61	28.51	28.52	28.70	24.70	24.64	24.64
		1	36	28.55	28.52	28.70	25.64	25.63	25.70	28.55	28.42	28.50	24.61	24.70	24.70
		1	37	25.18	25.11	25.16	22.19	22.01	22.01	25.04	24.85	24.91	21.12	21.12	21.12
		18	9	28.70	28.57	28.65	25.63	25.69	25.68	28.58	28.62	28.61	24.61	24.66	24.66
		36	0	28.18	28.14	28.20	25.20	25.01	25.08	28.01	27.89	27.97	24.19	24.08	24.03
	QPSK	1	0	25.06	25.07	25.17	22.19	22.14	22.01	25.12	25.09	25.02	21.18	21.01	21.02
		1	1	28.59	28.69	28.54	25.70	25.70	25.59	28.68	28.70	28.70	24.68	24.58	24.62
		1	36	28.58	28.69	28.70	25.55	25.69	25.70	28.64	28.60	28.63	24.65	24.70	24.62
		1	37	25.09	25.10	25.01	22.20	22.14	22.15	24.99	24.90	24.90	21.14	21.14	21.13
		18	9	28.70	28.70	28.69	25.59	25.64	25.64	28.70	28.60	28.67	24.69	24.65	24.63
		36	0	27.61	27.60	27.58	24.58	24.67	24.59	27.70	27.52	27.51	23.69	23.69	23.50
	16QAM	1	0	25.04	25.17	24.88	22.14	22.07	22.11	25.12	25.02	25.03	21.08	21.03	21.04
		1	1	27.58	27.62	27.50	24.66	24.62	24.59	27.68	27.02	27.04	23.65	23.52	23.64
		1	36	27.70	27.58	27.61	24.60	24.65	24.58	27.26	27.20	27.10	23.69	23.63	23.67
		1	37	25.10	25.16	25.16	22.04	22.11	22.17	24.71	24.75	24.73	21.06	21.09	21.12
		18	9	27.64	27.63	27.65	24.69	24.52	24.69	27.19	27.29	27.21	23.63	23.64	23.61
		36	0	26.63	26.60	26.68	23.70	23.52	23.56	26.38	26.29	26.30	22.50	22.66	22.63
	64QAM	1	0	25.03	25.19	25.12	22.08	22.15	22.13	24.85	24.94	24.76	21.00	21.09	21.11
		1	1	26.14	26.13	26.19	23.04	23.20	23.20	25.98	25.77	25.87	22.06	22.13	22.15
		1	36	26.17	26.12	26.07	23.14	23.03	23.09	25.83	25.73	25.67	22.14	22.01	22.10
		1	37	25.08	25.10	25.15	22.05	22.11	22.00	24.69	24.78	24.72	21.11	21.18	21.17
		18	9	26.13	26.05	26.10	23.13	23.19	23.05	25.74	25.76	25.68	22.15	22.13	22.15
		36	0	26.14	26.15	26.10	23.02	23.04	23.16	25.80	25.72	25.72	22.05	22.06	22.17
	256QAM	1	0	24.05	23.99	24.02	21.10	21.18	21.11	23.90	23.70	23.85	20.03	20.14	20.01
		1	1	24.14	24.06	24.00	21.05	21.10	21.04	23.89	23.83	23.78	20.05	20.20	20.18
		1	36	24.18	24.06	24.19	21.11	21.14	21.04	23.74	23.73	23.74	20.11	20.16	20.19
		1	37	24.09	24.15	24.12	21.17	21.05	21.08	23.72	23.59	23.50	20.01	20.12	20.12
		18	9	24.14	24.07	24.05	21.17	21.14	21.17	23.61	23.60	23.63	20.03	20.15	20.07
		36	0	24.16	24.06	24.05	21.12	21.17	21.07	23.65	23.62	23.64	20.13	20.04	20.05

OUTPUT POWER FOR 5G NR n77 (20.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				647333	656000	664666	647333	656000	664666	647333	656000	664666	647333	656000	664666
20.0	BPSK	1	0	25.02	25.19	25.16	22.10	22.11	22.13	24.88	24.91	24.76	21.07	21.02	21.02
		1	1	28.56	28.70	28.70	25.62	25.70	25.70	28.55	28.50	28.58	24.67	24.62	24.70
		1	49	28.32	28.46	28.67	25.49	25.53	25.62	28.65	28.39	28.49	24.43	24.51	24.59
		1	50	24.92	25.02	25.15	22.15	22.17	22.13	24.89	24.65	24.78	21.12	21.13	21.19
		25	12	28.38	28.56	28.63	25.47	25.55	25.59	28.58	28.53	28.49	24.55	24.57	24.57
	QPSK	50	0	28.19	28.07	28.08	25.20	25.13	25.17	28.16	28.10	28.09	24.11	24.03	24.19
		1	0	25.04	25.09	25.19	22.06	22.02	22.04	25.16	25.00	24.91	21.04	21.11	21.00
		1	1	28.70	28.66	28.65	25.70	25.69	25.66	28.68	28.64	28.64	24.70	24.60	24.69
		1	49	28.51	28.43	28.67	25.52	25.44	25.61	28.70	28.50	28.70	24.45	24.45	24.50
		1	50	25.07	25.07	25.06	22.17	22.06	22.08	25.11	24.88	24.65	21.06	21.08	21.13
	16QAM	25	12	28.56	28.44	28.66	25.54	25.66	25.59	28.50	28.43	28.50	24.60	24.70	24.55
		50	0	27.58	27.60	27.70	24.59	24.61	24.52	27.58	27.52	27.48	23.66	23.68	23.70
		1	0	25.20	25.18	25.18	22.16	22.07	22.17	24.86	24.85	24.69	21.07	21.20	21.13
		1	1	27.62	27.67	27.70	24.65	24.52	24.68	27.40	27.31	27.37	23.64	23.64	23.67
		1	49	27.55	27.38	27.53	24.56	24.55	24.63	27.15	27.09	27.07	23.38	23.36	23.59
	64QAM	1	50	25.03	24.91	25.18	21.95	21.97	22.15	24.66	24.42	24.52	20.79	20.78	21.04
		25	12	27.65	27.56	27.70	24.50	24.70	24.62	27.34	27.17	27.26	23.48	23.59	23.64
		50	0	26.66	26.52	26.60	23.57	23.62	23.65	26.35	26.23	26.25	22.55	22.60	22.64
		1	0	25.03	25.18	25.14	22.18	22.05	22.02	24.74	24.69	24.63	20.99	21.03	21.11
		1	1	26.12	26.14	26.08	23.04	23.08	23.09	25.75	25.65	25.68	22.09	22.14	22.05
	256QAM	1	49	25.94	25.85	26.14	23.01	22.96	23.15	25.60	25.57	25.50	21.82	21.79	22.04
		1	50	24.88	24.92	25.15	22.16	21.98	22.17	24.59	24.47	24.31	20.81	20.84	20.91
		25	12	26.16	26.13	26.19	23.11	23.11	23.12	25.74	25.58	25.60	22.10	22.08	22.11
		50	0	26.20	26.14	26.11	23.14	23.09	23.12	25.82	25.64	25.65	22.11	22.15	22.15
		1	0	24.13	24.16	24.10	21.20	21.19	21.18	23.65	23.64	23.56	20.17	20.10	20.07
		1	1	24.13	24.13	24.09	21.11	21.01	21.10	23.78	23.47	23.50	20.13	20.09	20.18
		1	49	23.91	23.95	23.97	20.97	21.06	21.12	23.66	23.49	23.59	19.90	19.89	20.13
		1	50	23.99	24.12	24.03	20.85	21.15	21.18	23.55	23.41	23.39	19.78	19.91	20.02
		25	12	24.17	24.06	24.09	21.10	21.14	21.15	23.73	23.59	23.45	20.08	20.08	20.06
		50	0	24.14	24.11	24.07	21.12	21.11	21.16	23.69	23.60	23.47	20.10	20.10	20.08

OUTPUT POWER FOR 5G NR n77 (25.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				647500	656000	664500	647500	656000	664500	647500	656000	664500	647500	656000	664500
25.0	BPSK	1	0	25.12	25.05	25.17	22.17	22.09	22.05	24.84	25.01	24.89	21.10	21.19	21.20
		1	1	28.70	28.47	28.70	25.70	25.42	25.53	28.32	28.70	28.62	24.70	24.70	24.70
		1	63	28.54	28.10	28.64	25.66	25.27	25.57	28.57	28.38	28.61	24.39	24.30	24.35
		1	64	25.11	24.81	25.07	22.05	21.88	22.08	24.97	24.80	24.90	21.16	20.87	20.98
		32	16	28.41	28.23	28.45	25.36	25.18	25.31	28.46	28.36	28.45	24.36	24.22	24.28
	QPSK	64	0	28.20	28.10	28.11	25.15	24.83	25.06	28.03	27.94	28.02	24.19	24.01	24.09
		1	0	25.07	25.02	25.17	22.16	22.05	22.14	24.99	25.07	25.04	21.10	21.06	21.14
		1	1	28.68	28.70	28.70	25.52	25.70	25.48	28.49	28.69	28.70	24.60	24.47	24.59
		1	63	28.55	28.32	28.55	25.41	25.37	25.70	28.70	28.45	28.68	24.41	24.29	24.39
		1	64	25.03	25.00	25.16	22.15	21.83	22.13	25.02	24.77	25.02	21.04	20.83	20.94
	16QAM	32	16	28.59	28.32	28.39	25.37	25.44	25.35	28.50	28.46	28.60	24.38	24.11	24.27
		64	0	27.57	27.54	27.68	24.60	24.61	24.59	27.50	27.52	27.59	23.60	23.36	23.51
		1	0	25.00	25.08	25.11	22.15	22.00	21.99	25.00	25.03	24.90	21.06	21.19	21.12
		1	1	27.50	27.62	27.56	24.60	24.54	24.68	27.27	27.65	27.53	23.67	23.62	23.66
		1	63	27.64	27.34	27.49	24.51	24.22	24.51	27.40	27.23	27.59	23.54	23.42	23.47
	64QAM	1	64	25.14	24.82	24.92	21.99	21.98	21.95	25.03	24.72	24.91	21.11	20.92	20.94
		32	16	27.66	27.41	27.24	23.84	24.40	24.50	27.34	27.31	27.41	23.56	23.35	23.33
		64	0	26.69	26.36	26.34	22.56	23.44	23.58	26.37	26.33	26.33	22.58	22.38	22.35
		1	0	25.11	25.03	24.91	21.00	22.06	21.99	24.82	24.89	24.82	21.12	21.08	20.99
		1	1	26.06	25.98	25.87	22.46	23.11	23.12	25.79	26.07	26.04	22.03	22.05	21.82
	256QAM	1	63	26.15	25.71	25.64	22.16	23.01	23.06	26.05	25.78	25.80	22.01	21.81	21.69
		1	64	25.20	24.70	24.70	21.09	22.01	22.08	24.95	24.52	24.76	21.07	20.68	20.75
		32	16	26.08	25.47	25.67	22.19	22.78	22.95	25.83	25.74	25.86	22.02	21.73	21.83
		64	0	26.08	25.48	25.77	22.09	23.02	23.03	25.79	25.79	25.81	22.05	21.83	21.80
		1	0	24.16	23.51	23.99	20.13	21.01	21.03	23.80	24.10	23.79	20.02	19.97	19.84
		1	1	24.19	23.67	23.69	20.46	21.16	20.92	23.69	23.81	23.79	20.05	19.92	20.02
		1	63	24.15	23.32	23.83	20.28	20.87	21.16	23.82	23.58	23.83	20.14	19.73	19.76
		1	64	24.04	23.24	23.75	20.38	21.10	21.12	23.81	23.58	23.65	20.00	19.72	19.70
		32	16	24.16	23.74	23.80	20.02	20.89	20.87	23.74	23.60	23.65	20.12	19.91	19.78
		64	0	24.10	23.75	23.86	20.21	20.93	20.97	23.77	23.62	23.70	20.00	20.01	19.88

OUTPUT POWER FOR 5G NR n77 (30.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				647666	656000	664333	647666	656000	664333	647666	656000	664333	647666	656000	664333
30.0	BPSK	1	0	25.00	25.00	25.06	22.10	22.08	22.04	24.62	24.81	24.77	21.03	21.13	21.02
		1	1	28.63	28.70	28.44	25.70	25.70	25.58	28.52	28.67	28.65	24.70	24.70	24.70
		1	76	28.49	28.33	28.28	25.57	25.18	25.46	28.70	28.37	28.65	24.57	24.41	24.34
		1	77	25.06	24.85	24.96	22.18	21.94	22.17	25.17	24.71	24.95	21.07	20.93	20.97
		36	18	28.35	28.23	28.12	25.56	25.24	25.55	28.66	28.45	28.58	24.44	24.27	24.28
		75	0	28.07	28.07	27.91	25.06	25.02	25.17	28.06	27.98	28.05	24.19	24.02	24.08
	QPSK	1	0	25.07	25.08	25.15	22.09	22.09	22.10	25.03	25.11	24.90	21.07	21.02	21.11
		1	1	28.70	28.70	28.70	25.57	25.70	25.70	28.49	28.70	28.62	24.66	24.62	24.69
		1	76	28.54	28.29	28.56	25.50	25.44	25.63	28.62	28.30	28.70	24.46	24.29	24.28
		1	77	25.19	24.96	25.18	22.12	22.11	22.04	25.09	24.64	24.88	21.15	20.91	20.84
		36	18	28.50	28.40	28.43	25.40	25.23	25.35	28.55	28.34	28.53	24.36	24.21	24.25
		75	0	27.65	27.66	27.60	24.65	24.52	24.65	27.47	27.27	27.45	23.66	23.52	23.55
	16QAM	1	0	25.03	25.17	25.03	22.14	22.16	22.18	24.83	24.87	24.76	21.13	21.04	21.20
		1	1	27.59	27.63	27.51	24.57	24.54	24.64	27.30	27.29	27.24	23.68	23.65	23.68
		1	76	27.66	27.23	27.53	24.62	24.52	24.68	27.23	26.79	27.16	23.61	23.36	23.33
		1	77	25.14	24.64	25.08	22.10	21.68	22.10	24.62	24.30	24.67	20.94	20.85	20.89
		36	18	27.63	27.40	27.55	24.50	24.38	24.42	27.15	26.89	27.08	23.53	23.33	23.38
		75	0	26.65	26.40	26.60	23.55	23.42	23.57	26.17	25.93	26.36	22.55	22.39	22.46
	64QAM	1	0	25.11	25.08	25.02	22.04	22.03	22.00	24.94	24.97	24.80	21.16	21.13	21.03
		1	1	26.03	26.11	26.15	23.19	23.10	23.09	25.83	25.95	25.67	22.17	22.06	22.18
		1	76	25.87	25.71	25.83	23.02	23.02	23.17	26.00	25.51	25.83	22.10	21.74	21.73
		1	77	25.00	24.61	24.59	22.13	21.75	21.89	24.96	24.49	24.85	21.09	20.83	20.83
		36	18	26.09	25.84	25.79	23.12	22.89	23.04	25.79	25.64	25.82	21.96	21.87	21.83
		75	0	26.00	25.84	25.83	23.02	23.04	23.16	25.87	25.66	25.79	21.97	21.87	21.90
	256QAM	1	0	24.10	24.01	23.92	21.01	21.18	21.09	23.78	23.95	24.02	20.20	20.12	20.16
		1	1	24.12	23.97	23.85	21.15	21.14	21.15	23.82	23.91	23.88	20.08	19.95	20.13
		1	76	23.99	23.56	23.68	21.18	20.88	20.94	24.07	23.38	24.01	19.98	19.75	19.71
		1	77	23.96	23.73	23.71	20.86	20.91	21.12	23.97	23.14	23.71	19.99	19.77	19.75
		36	18	23.94	23.75	23.65	21.10	20.92	20.84	23.81	23.57	23.79	19.90	19.76	19.73
		75	0	23.88	23.80	23.70	21.11	21.00	21.06	23.81	23.54	23.84	19.85	19.77	19.78

OUTPUT POWER FOR 5G NR n77 (40.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				648000	656000	664000	648000	656000	664000	648000	656000	664000	648000	656000	664000
40.0	BPSK	1	0	25.09	25.16	25.06	22.20	22.12	22.06	24.84	24.94	24.66	21.10	21.16	21.07
		1	1	28.70	28.68	28.66	25.55	25.70	25.70	28.57	28.70	28.70	24.70	24.70	24.70
		1	104	28.43	28.19	28.45	25.20	25.06	25.63	28.55	28.24	28.61	24.45	24.31	24.42
		1	105	24.98	24.74	25.06	22.07	21.50	22.03	24.96	24.49	24.89	21.08	20.84	21.08
		50	25	28.54	28.55	28.49	25.56	25.44	25.60	28.65	28.52	28.70	24.53	24.47	24.46
		100	0	28.02	28.10	28.02	25.10	25.18	25.07	28.13	28.05	28.04	24.07	24.05	24.00
	QPSK	1	0	25.02	25.18	25.14	22.17	22.12	22.04	25.08	24.99	24.96	21.04	21.03	21.08
		1	1	28.70	28.70	28.70	25.70	25.54	25.69	28.69	28.70	28.57	24.63	24.62	24.53
		1	104	28.45	28.22	28.65	25.36	25.10	25.48	28.70	28.23	28.65	24.33	24.28	24.23
		1	105	25.05	24.81	25.07	22.02	21.73	22.10	24.99	24.60	24.91	20.97	21.03	20.99
		50	25	28.37	28.45	28.65	25.61	25.29	25.69	28.70	28.52	28.62	24.66	24.55	24.57
		100	0	27.55	27.50	27.66	24.56	24.62	24.64	27.65	27.50	27.68	23.53	23.58	23.64
	16QAM	1	0	25.01	25.13	25.06	22.14	22.13	22.19	24.92	25.15	24.97	21.16	21.06	21.11
		1	1	27.67	27.55	27.60	24.41	24.45	24.70	27.38	27.42	27.48	23.57	23.57	23.66
		1	104	27.48	27.15	27.59	24.51	24.35	24.52	27.49	26.74	27.45	23.58	23.33	23.55
		1	105	25.05	24.64	25.09	21.88	21.56	22.11	24.97	24.27	24.90	21.09	21.04	20.66
		50	25	27.46	27.52	27.53	24.49	24.55	24.68	27.63	27.42	27.58	23.68	23.63	23.63
		100	0	26.58	26.56	26.70	23.61	23.57	23.61	26.68	26.48	26.52	22.70	22.65	22.53
	64QAM	1	0	25.20	25.10	25.02	22.12	22.18	22.07	24.94	25.20	24.82	21.14	21.14	21.02
		1	1	26.17	26.05	26.16	22.76	23.02	23.15	26.08	26.14	25.95	22.04	22.18	22.07
		1	104	25.85	25.69	25.89	22.88	22.62	23.09	25.99	25.49	25.92	21.89	21.95	21.85
		1	105	24.96	24.48	25.06	21.85	21.95	22.07	24.71	24.40	24.90	20.93	21.00	21.04
		50	25	26.20	26.04	26.08	23.01	22.93	23.00	26.06	25.88	26.03	22.05	22.19	22.00
		100	0	26.17	26.05	26.06	23.11	22.93	23.14	26.08	25.91	26.02	21.99	21.97	22.04
	256QAM	1	0	24.19	24.08	24.18	21.14	21.11	21.17	23.85	24.13	23.80	20.04	20.20	20.04
		1	1	24.17	24.18	24.00	20.78	21.11	21.14	24.02	24.11	23.91	20.20	20.04	19.85
		1	104	23.99	23.51	24.05	20.86	20.82	21.18	24.02	23.44	23.75	19.74	19.60	19.87
		1	105	24.15	23.56	23.96	21.06	20.62	21.00	23.82	23.60	23.86	19.68	19.70	19.70
		50	25	24.13	24.18	24.19	21.17	20.97	21.20	24.02	23.81	23.88	19.89	19.88	19.99
		100	0	24.19	24.20	24.13	21.05	21.01	21.11	24.02	23.79	23.92	19.93	19.80	19.92

OUTPUT POWER FOR 5G NR n77 (50.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				648333	656000	663666	648333	656000	663666	648333	656000	663666	648333	656000	663666
50.0	BPSK	1	0	25.20	25.06	25.04	22.02	22.14	22.14	24.90	24.38	24.93	21.18	21.08	20.94
		1	1	28.70	28.70	28.47	25.68	25.70	25.66	28.70	28.09	28.64	24.70	24.34	24.21
		1	131	28.23	28.20	28.08	25.29	24.98	25.40	28.51	27.43	28.64	24.04	24.70	23.87
		1	132	24.79	24.84	24.90	21.93	21.62	22.14	24.93	23.76	24.94	20.71	20.50	20.56
		64	32	28.42	28.28	28.22	25.50	25.17	25.48	28.63	27.73	28.70	24.15	23.85	24.03
		128	0	28.03	27.99	27.99	25.00	24.92	25.12	28.04	27.16	28.04	23.99	23.70	23.86
	QPSK	1	0	25.05	25.04	25.04	22.20	22.20	22.04	25.06	24.55	25.08	21.15	21.14	21.16
		1	1	28.54	28.65	28.70	25.70	25.58	25.70	28.51	28.70	28.68	24.70	24.67	24.70
		1	131	28.04	27.98	28.11	25.24	24.94	25.50	28.52	27.56	28.67	24.39	24.20	24.19
		1	132	24.96	24.83	24.83	21.86	21.68	22.09	24.96	23.79	24.84	20.99	20.72	20.77
		64	32	28.17	28.15	28.45	25.50	25.16	25.47	28.70	27.78	28.70	24.46	24.14	24.22
		128	0	27.18	27.21	27.69	24.63	24.41	24.51	27.59	26.71	27.63	23.61	23.41	23.41
	16QAM	1	0	25.08	25.18	25.16	22.20	22.00	22.16	24.84	24.31	25.02	21.13	21.15	21.08
		1	1	27.58	27.67	27.55	24.55	24.63	24.70	27.63	27.13	27.59	23.51	23.62	23.47
		1	131	27.62	27.26	27.34	24.42	24.01	24.50	27.64	26.54	27.54	23.43	22.91	23.10
		1	132	24.54	24.60	24.85	21.73	21.57	22.17	24.86	23.93	24.97	20.77	20.44	20.38
		64	32	26.90	27.15	27.39	24.58	24.21	24.68	27.70	26.83	27.59	23.50	23.11	23.26
		128	0	26.25	26.38	26.38	23.55	23.27	23.70	26.27	25.48	26.38	22.50	22.22	22.02
	64QAM	1	0	24.85	25.07	25.04	22.09	22.16	22.05	25.07	24.54	24.80	20.82	20.77	20.74
		1	1	25.81	26.03	26.10	23.10	23.16	23.20	25.93	25.29	25.87	21.92	21.86	21.77
		1	131	25.64	25.48	25.96	22.84	22.58	23.10	25.72	24.59	25.75	21.27	21.36	21.48
		1	132	24.74	24.62	24.82	21.78	21.74	21.99	24.71	23.81	24.82	20.31	20.17	20.41
		64	32	25.62	25.73	25.92	23.02	22.71	23.20	25.76	24.92	25.84	21.70	21.37	21.55
		128	0	25.74	25.70	25.86	23.01	22.76	23.17	25.80	24.97	25.85	21.71	21.39	21.56
	256QAM	1	0	24.16	24.09	23.86	21.08	21.13	21.07	23.90	23.28	23.67	19.87	19.64	19.73
		1	1	23.93	24.08	23.82	21.10	21.05	21.14	23.81	23.09	24.18	19.74	19.77	19.66
		1	131	23.88	23.48	23.86	20.71	20.42	21.09	23.52	22.55	24.07	19.42	19.27	19.37
		1	132	23.90	23.48	23.80	20.82	20.34	20.92	23.47	22.29	23.70	19.41	19.20	19.57
		64	32	23.85	23.60	23.86	21.14	20.67	21.12	23.74	22.93	23.80	19.85	19.57	19.67
		128	0	24.05	23.92	23.88	21.05	20.70	21.16	23.86	22.96	23.84	19.98	19.70	19.75

OUTPUT POWER FOR 5G NR n77 (60.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				648666	656000	663333	648666	656000	663333	648666	656000	663333	648666	656000	663333
60.0	BPSK	1	0	25.14	25.15	25.18	22.18	22.11	22.19	24.85	24.80	24.84	21.12	21.18	21.20
		1	1	28.70	28.53	28.61	25.70	25.56	25.70	28.44	28.70	28.54	24.70	24.70	24.69
		1	160	28.32	27.91	28.70	25.31	25.00	25.32	27.99	27.83	28.06	24.07	24.27	24.44
		1	161	24.90	24.56	25.04	22.05	21.67	22.00	24.58	24.24	24.62	20.68	20.97	21.16
		81	40	28.47	28.70	28.32	25.47	25.16	25.38	28.70	28.04	28.24	24.34	24.22	24.52
		162	0	28.15	27.94	28.10	25.18	24.96	25.18	27.80	27.56	27.76	24.14	24.16	24.14
	QPSK	1	0	25.05	25.04	25.18	22.07	22.04	22.02	24.98	25.00	24.89	21.16	21.14	21.20
		1	1	28.70	28.68	28.69	25.69	25.62	25.62	28.70	28.70	28.45	24.45	24.70	24.70
		1	160	28.37	28.01	28.39	25.31	25.07	25.31	28.35	27.95	28.55	24.07	24.26	24.36
		1	161	24.87	25.14	24.90	22.05	21.63	21.94	24.83	24.46	24.85	20.72	20.80	21.03
		81	40	28.61	28.41	28.33	25.50	25.16	25.43	28.62	28.44	28.55	24.37	24.33	24.55
		162	0	27.52	27.67	27.68	24.62	24.54	24.69	27.67	27.37	27.59	23.67	23.59	23.55
	16QAM	1	0	25.07	25.17	25.00	22.00	22.04	22.07	24.75	25.18	25.03	21.01	21.13	21.03
		1	1	27.59	27.57	27.63	24.57	24.70	24.59	27.54	27.43	27.43	23.51	23.65	23.55
		1	160	27.54	27.53	27.31	24.41	23.94	24.50	27.26	26.83	27.20	23.47	23.24	23.52
		1	161	24.91	25.10	24.85	21.80	21.68	21.95	24.39	24.19	24.68	20.44	20.74	21.04
		81	40	27.64	27.61	27.39	24.60	24.31	24.63	27.35	27.04	27.23	23.55	23.38	23.68
		162	0	26.57	26.59	26.41	23.58	23.29	23.58	26.39	26.08	26.57	22.53	22.56	22.63
	64QAM	1	0	25.08	25.04	25.19	22.03	22.15	22.07	25.08	25.04	24.92	21.15	21.06	21.01
		1	1	26.06	26.15	26.00	23.06	23.15	23.08	25.89	26.17	26.16	22.03	22.05	22.12
		1	160	25.65	26.06	25.40	22.64	22.47	22.88	25.81	25.34	25.99	21.65	21.84	22.08
		1	161	24.73	25.05	24.45	21.91	21.61	22.03	24.78	24.65	25.00	20.52	21.08	21.15
		81	40	25.82	26.05	25.79	23.07	22.76	23.03	26.02	25.70	25.92	22.12	21.94	22.17
		162	0	25.81	26.15	25.86	23.08	22.80	23.07	26.01	25.78	25.96	21.98	22.03	22.16
	256QAM	1	0	24.10	24.08	24.00	21.07	21.04	21.13	24.11	24.07	23.91	20.14	20.18	20.08
		1	1	24.19	24.06	24.02	21.08	21.05	21.16	23.80	24.04	23.52	20.11	20.03	20.13
		1	160	23.67	23.78	23.68	20.78	20.41	20.94	23.13	23.28	23.51	19.89	19.85	19.92
		1	161	23.45	24.04	23.68	20.70	20.43	21.03	23.27	23.30	23.35	19.63	19.66	20.16
		81	40	23.92	24.18	23.74	21.03	20.73	21.03	23.54	23.25	23.45	19.98	19.88	20.07
		162	0	23.86	24.20	23.72	21.03	20.80	21.04	23.50	23.27	23.48	19.93	19.91	20.09

OUTPUT POWER FOR 5G NR n77 (70.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				649000	656000	663000	649000	656000	663000	649000	656000	663000	649000	656000	663000
70.0	BPSK	1	0	25.07	25.05	25.18	22.02	22.11	22.11	23.06	22.89	22.66	21.18	21.08	21.12
		1	1	28.59	28.70	28.70	25.70	25.67	25.70	28.66	28.70	28.34	24.70	24.70	24.53
		1	187	27.85	28.10	28.25	25.01	24.91	25.35	26.54	25.55	26.35	23.98	24.03	24.24
		1	188	24.65	24.87	24.88	21.82	21.46	22.14	23.04	22.08	22.82	20.83	20.76	20.92
		90	45	28.36	28.33	28.35	25.44	25.15	25.56	28.70	26.24	26.46	24.42	24.16	24.42
		180	0	28.12	28.14	28.02	25.15	24.98	25.19	26.12	25.58	25.94	24.16	23.92	24.14
	QPSK	1	0	25.14	25.19	25.12	22.17	22.18	22.19	25.08	25.18	25.17	21.08	21.10	21.19
		1	1	28.70	28.64	28.58	25.70	25.70	25.70	28.67	28.64	28.49	24.57	24.68	24.50
		1	187	28.15	27.82	28.12	24.96	24.86	25.38	28.60	27.61	28.70	24.00	23.97	24.28
		1	188	24.94	24.55	24.80	21.79	21.69	22.11	25.09	24.50	25.15	20.87	20.63	21.05
		90	45	28.48	28.11	28.35	25.44	25.16	25.54	28.69	28.16	28.49	24.51	24.41	24.70
		180	0	27.61	27.65	27.55	24.69	24.50	24.65	27.63	27.40	27.69	23.50	23.59	23.53
	16QAM	1	0	25.20	25.10	25.11	22.09	22.16	22.11	24.02	23.91	24.87	21.13	21.11	21.14
		1	1	27.53	27.52	27.59	24.68	24.67	24.51	26.82	27.03	27.20	23.69	23.68	23.68
		1	187	27.41	27.00	27.37	24.34	24.14	24.56	26.95	26.47	27.47	23.61	23.69	23.65
		1	188	24.58	24.70	24.80	21.59	21.36	21.86	24.79	23.66	25.02	21.10	20.99	20.83
		90	45	27.61	27.39	27.40	24.57	24.34	24.58	27.42	26.97	27.32	23.62	23.55	23.57
		180	0	26.60	26.57	26.39	23.58	23.43	23.70	26.45	25.95	26.30	22.58	22.69	22.56
	64QAM	1	0	25.17	25.04	25.18	22.06	22.05	22.12	25.00	24.95	24.95	21.08	21.16	21.02
		1	1	26.14	26.02	26.15	23.20	23.04	23.15	26.06	26.20	25.84	22.06	22.10	22.07
		1	187	25.62	25.81	25.80	22.52	22.56	23.05	26.04	25.06	26.14	22.03	22.03	21.87
		1	188	24.96	24.74	24.83	21.70	21.36	22.15	25.04	24.09	24.89	21.07	20.44	20.88
		90	45	26.05	26.03	25.83	23.02	22.79	23.15	25.99	25.51	25.86	22.05	22.03	22.15
		180	0	26.12	26.20	25.95	23.05	22.91	23.17	26.00	25.52	25.91	22.08	22.09	22.16
	256QAM	1	0	24.15	24.09	23.95	21.11	21.16	21.04	23.73	23.99	24.16	20.05	20.03	20.08
		1	1	24.03	24.05	24.03	21.17	21.18	21.02	24.06	23.99	23.81	20.05	20.06	20.00
		1	187	23.97	23.81	23.74	20.50	20.47	21.00	23.86	22.88	23.89	19.81	19.94	20.10
		1	188	23.79	23.95	23.75	20.42	20.43	21.09	23.70	23.18	23.82	19.97	19.78	19.98
		90	45	23.94	24.17	23.77	20.98	20.80	21.10	24.01	23.43	23.84	20.17	19.95	20.11
		180	0	23.99	24.11	23.78	21.00	20.87	21.14	23.96	23.51	23.85	20.00	20.06	20.18

OUTPUT POWER FOR 5G NR n77 (80.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				649333	656000	662666	649333	656000	662666	649333	656000	662666	649333	656000	662666
80.0	BPSK	1	0	25.02	25.14	25.16	22.14	22.17	22.15	25.18	25.01	25.16	21.11	21.06	21.06
		1	1	28.70	28.70	28.70	25.64	25.64	25.70	28.70	28.70	28.33	24.70	24.70	24.70
		1	215	28.15	28.12	28.20	25.14	24.89	25.27	28.54	27.61	28.70	24.26	23.92	24.11
		1	216	24.81	24.60	25.01	21.84	21.48	21.99	25.04	24.28	25.12	20.80	20.55	20.70
		108	54	28.32	28.22	28.39	25.39	25.06	25.29	28.45	28.18	28.45	24.29	24.02	24.21
		216	0	28.19	28.11	28.18	25.03	24.93	25.02	28.20	28.01	28.13	24.20	23.84	23.95
	QPSK	1	0	25.08	25.01	25.06	22.13	22.00	22.10	25.18	25.17	24.97	21.03	21.06	21.01
		1	1	28.62	28.57	28.64	25.70	25.70	25.66	28.54	28.53	28.53	24.65	24.47	24.63
		1	215	28.07	27.92	28.42	25.29	24.66	25.28	28.61	27.70	28.69	24.08	23.76	24.03
		1	216	24.65	24.61	24.90	21.85	21.47	21.73	24.99	24.41	25.03	20.67	20.56	20.75
		108	54	28.25	28.01	28.31	25.44	25.12	25.26	28.48	28.17	28.41	24.32	24.02	24.25
		216	0	27.53	27.50	27.63	24.65	24.43	24.52	27.61	27.47	27.67	23.70	23.49	23.65
	16QAM	1	0	25.10	25.20	25.06	22.05	22.19	22.14	25.09	25.12	25.16	21.15	21.14	21.04
		1	1	27.47	27.68	27.61	24.62	24.68	24.53	27.62	27.54	27.55	23.10	22.84	23.56
		1	215	27.25	26.93	27.22	24.35	24.12	24.51	27.61	26.75	27.50	23.15	22.95	23.04
		1	216	24.46	24.60	24.86	21.64	21.55	21.82	24.95	24.31	25.17	20.65	20.34	20.42
		108	54	27.38	27.12	27.47	24.44	24.23	24.45	27.65	27.30	27.52	23.23	22.93	23.18
		216	0	26.39	26.35	26.45	23.49	23.27	23.43	26.66	26.31	26.58	22.29	21.98	22.12
	64QAM	1	0	25.19	25.08	25.19	22.04	22.00	22.19	24.99	25.00	25.13	21.03	21.17	20.82
		1	1	26.19	26.20	26.14	23.15	23.15	23.01	26.09	24.79	25.16	22.11	22.08	22.06
		1	215	25.99	25.58	25.86	22.58	22.32	22.86	24.60	24.16	26.13	21.37	21.47	21.62
		1	216	24.91	24.48	24.78	21.60	21.25	21.73	25.12	24.28	25.14	20.74	20.38	20.71
		108	54	25.99	26.07	25.78	22.96	22.64	22.97	26.07	25.70	25.96	21.89	21.49	21.83
		216	0	25.95	26.08	25.77	22.93	22.73	22.89	26.07	25.75	26.05	22.05	21.81	21.91
	256QAM	1	0	24.08	24.17	23.91	21.18	21.12	21.12	24.14	24.02	23.85	20.11	20.19	20.04
		1	1	24.15	24.07	24.00	21.14	21.04	21.08	24.09	24.06	23.78	20.00	20.09	20.13
		1	215	23.79	23.75	23.74	20.30	20.16	20.78	23.80	23.21	23.99	20.06	19.69	19.44
		1	216	23.80	23.53	23.74	20.51	20.29	20.67	24.07	23.03	24.10	19.92	19.47	19.59
		108	54	24.01	24.12	23.65	20.72	20.62	20.89	23.97	23.63	23.88	19.98	19.64	19.81
		216	0	23.89	24.08	23.72	20.70	20.65	20.90	24.00	23.66	23.96	19.94	19.72	19.84

OUTPUT POWER FOR 5G NR n77 (90.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				649666	656000	662333	649666	656000	662333	649666	656000	662333	649666	656000	662333
90.0	BPSK	1	0	25.01	25.17	25.20	22.12	22.16	22.20	25.01	25.19	24.99	21.11	21.01	21.13
		1	1	28.70	28.70	28.69	25.70	25.70	25.69	28.67	28.70	28.50	24.70	24.70	24.70
		1	243	28.35	27.62	28.41	25.20	24.71	25.31	28.56	27.93	28.70	24.08	23.79	24.17
		1	244	24.73	24.34	24.84	21.74	21.21	22.09	25.08	24.34	25.13	20.80	20.51	20.90
		120	60	28.30	28.21	28.27	25.24	24.83	25.40	28.70	28.08	28.21	24.04	23.74	24.20
		243	0	28.19	28.01	28.13	24.99	24.67	25.15	28.15	27.79	27.99	23.87	23.71	24.10
	QPSK	1	0	25.18	25.13	25.03	22.05	22.10	22.06	25.10	25.14	24.85	21.15	20.99	21.14
		1	1	28.46	28.37	28.70	25.63	25.55	25.70	28.55	28.32	28.18	24.53	24.53	24.60
		1	243	28.20	27.76	28.06	25.14	24.60	25.47	28.42	27.60	28.37	23.96	23.70	24.22
		1	244	24.91	24.65	24.77	21.89	21.28	22.09	25.09	24.01	24.92	20.62	20.39	20.84
		120	60	28.15	27.90	28.31	25.23	24.89	25.43	28.46	27.86	28.11	24.06	23.80	24.28
		243	0	27.61	27.50	27.38	24.52	24.30	24.58	27.63	27.36	27.52	23.39	23.47	23.65
	16QAM	1	0	25.17	25.12	25.03	22.18	22.14	22.17	25.13	25.16	24.97	21.19	21.13	21.00
		1	1	27.51	27.58	27.59	24.69	24.37	24.64	27.52	27.51	27.53	23.54	23.67	23.69
		1	243	27.42	26.80	27.54	24.19	23.46	24.21	27.64	26.97	27.50	23.44	23.12	23.39
		1	244	24.85	24.37	24.62	21.60	21.33	21.64	25.03	24.41	25.11	20.60	20.62	20.94
		120	60	27.41	27.01	27.32	24.35	23.71	24.53	27.55	27.33	27.37	23.41	23.14	23.56
		243	0	26.62	26.28	15.35	23.29	22.81	23.52	26.51	26.37	26.45	22.51	22.25	22.57
	64QAM	1	0	25.14	25.01	25.03	22.12	22.11	22.13	25.11	25.02	24.91	21.14	21.07	21.01
		1	1	26.18	26.00	26.11	23.19	22.93	23.11	26.17	26.08	26.01	22.19	22.10	22.13
		1	243	25.72	25.56	25.78	22.60	22.05	22.87	26.03	25.05	26.05	21.60	21.64	21.83
		1	244	24.64	24.28	24.33	21.66	21.05	22.04	25.03	24.33	25.12	20.62	20.25	21.03
		120	60	25.97	25.81	25.76	22.79	22.24	22.98	26.09	25.77	25.92	21.86	21.61	21.98
		243	0	26.09	25.82	25.76	22.91	22.32	23.00	26.04	25.81	25.98	21.97	21.71	22.00
	256QAM	1	0	24.13	24.09	23.83	21.07	21.01	21.10	24.16	24.10	24.17	20.20	20.20	20.18
		1	1	24.11	24.12	23.96	21.18	20.91	21.10	24.06	24.12	24.06	20.18	20.07	20.17
		1	243	23.73	23.36	23.55	20.51	20.02	20.70	24.03	23.29	24.02	19.62	19.14	19.78
		1	244	23.32	23.32	23.31	20.57	19.96	20.70	24.02	23.40	24.12	19.66	19.32	19.94
		120	60	23.91	23.78	23.71	20.80	20.22	20.90	24.16	23.73	23.87	19.84	19.63	20.04
		243	0	24.02	23.82	23.70	20.91	20.28	20.95	24.18	23.76	23.97	19.92	19.73	20.10

OUTPUT POWER FOR 5G NR n77 (100.0 MHz)

Bandwidth (MHz)	Modulation	RB Allocation	RB Offset	Conducted Average (dBm)											
				ANT 7			ANT 8			ANT 9			ANT 4		
				650000	656000	662000	650000	656000	662000	650000	656000	662000	650000	656000	662000
100.0	BPSK	1	0	25.16	25.19	25.09	22.01	22.03	22.12	25.19	25.18	25.15	21.05	21.03	21.12
		1	1	28.63	28.70	28.67	24.53	25.70	28.33	28.70	28.26	24.70	24.70	24.70	24.70
		1	271	28.05	27.64	28.05	25.06	24.92	25.20	28.36	27.30	28.70	23.95	23.72	24.06
		1	272	24.94	24.58	24.95	21.62	21.55	22.03	25.01	24.11	25.08	20.55	20.17	20.63
		135	67	28.23	27.98	28.28	25.03	24.82	25.11	28.52	27.82	28.19	23.79	23.51	24.08
		270	0	28.11	27.80	28.12	24.82	24.97	24.93	28.09	27.72	28.13	23.76	23.41	23.67
	QPSK	1	0	25.11	25.07	25.14	21.97	22.02	22.13	25.19	25.04	25.14	21.09	21.07	21.15
		1	1	28.70	28.57	28.70	25.70	25.68	25.70	28.70	28.68	24.19	24.38	24.51	24.51
		1	271	28.15	27.74	28.28	25.19	24.59	25.17	28.59	27.68	28.70	23.80	23.38	24.05
		1	272	24.77	24.48	25.17	21.63	21.95	22.01	25.04	24.23	25.17	20.75	20.22	20.62
		135	67	28.05	27.94	28.28	25.01	25.01	25.37	28.59	27.85	28.16	23.81	23.50	23.99
		270	0	27.48	27.38	27.63	24.22	24.28	24.50	27.59	27.23	27.50	23.13	23.01	23.23
	16QAM	1	0	25.12	25.02	25.18	22.20	22.11	22.00	25.07	25.07	25.18	21.11	20.84	21.15
		1	1	27.60	27.50	27.63	24.68	24.55	24.50	27.54	27.56	27.61	23.52	23.44	23.58
		1	271	26.80	26.88	27.21	24.55	24.05	24.57	27.53	26.58	27.62	22.78	22.74	22.91
		1	272	24.62	24.41	24.70	21.66	21.62	22.10	24.97	23.98	25.19	20.51	20.11	20.62
		135	67	27.21	27.05	27.42	24.24	24.15	24.51	27.59	27.05	27.39	22.98	22.67	23.11
		270	0	26.35	26.23	26.47	23.18	23.11	23.36	26.69	21.81	25.37	22.13	21.82	22.11
	64QAM	1	0	25.00	25.15	25.12	22.18	22.03	22.19	24.21	25.06	25.09	20.88	21.18	21.06
		1	1	26.05	26.12	26.07	23.16	23.06	23.18	26.02	26.15	26.06	22.02	22.09	22.01
		1	271	25.51	25.34	25.77	22.61	22.96	23.02	26.13	25.08	26.10	21.31	20.83	21.61
		1	272	24.43	24.08	24.79	21.63	21.43	21.88	25.09	24.02	25.09	20.65	20.01	20.31
		135	67	25.71	25.66	25.99	22.92	22.82	23.11	26.07	25.45	25.76	21.54	21.35	21.59
		270	0	25.82	25.70	26.04	22.82	22.74	23.18	26.12	25.48	25.90	21.65	21.40	21.65
	256QAM	1	0	24.01	24.05	24.19	20.99	21.05	21.00	24.16	24.04	23.86	19.89	19.86	19.72
		1	1	24.15	24.18	24.09	21.12	21.14	21.08	24.12	24.08	24.09	19.99	20.09	19.85
		1	271	23.59	23.47	23.69	20.65	20.38	21.04	23.94	23.15	24.13	19.21	19.09	19.29
		1	272	23.54	23.40	23.93	20.78	20.37	21.06	23.50	22.65	24.00	19.46	19.17	19.52
		135	67	23.64	23.56	23.95	20.68	20.61	20.80	24.08	23.34	16.67	19.54	19.28	19.68
		270	0	23.74	23.63	23.94	20.94	20.84	20.98	23.93	23.37	22.76	19.63	19.43	19.70

9. CONDUCTED TEST RESULTS

9.1. OCCUPIED BANDWIDTH

RULE PART(S)

FCC: §2.1049

LIMITS

For reporting purposes only.

TEST PROCEDURE

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

RESULTS

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

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

Band	Mode	RB Allocation/RB Offset	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
5G NR n77 (FCC Part 27 3450-3550MHz)	10MHz, BPSK	24/0	3500.0	8.681	10.00
	10MHz, QPSK			8.669	10.11
	10MHz, 16QAM			8.679	9.97
	15MHz, BPSK	36/0		12.986	14.41
	15MHz, QPSK			12.994	14.67
	15MHz, 16QAM			12.954	14.65
	20MHz, BPSK	50/0		17.995	19.65
	20MHz, QPSK			17.979	19.80
	20MHz, 16QAM			17.962	19.87
	25MHz, BPSK	64/0		23.015	24.94
	25MHz, QPSK			23.002	24.99
	25MHz, 16QAM			23.024	25.06
	30MHz, BPSK	75/0		26.924	29.15
	30MHz, QPSK			26.948	29.24
	30MHz, 16QAM			26.964	29.02
	40MHz, BPSK	100/0		35.913	38.45
	40MHz, QPSK			35.916	38.50
	40MHz, 16QAM			35.925	38.37
	50MHz, BPSK	128/0		45.923	48.74
	50MHz, QPSK			45.924	49.00
	50MHz, 16QAM			45.928	48.88
	60MHz, BPSK	162/0		58.100	61.21
	60MHz, QPSK			58.010	61.40
	60MHz, 16QAM			58.096	61.38
	70MHz, BPSK	180/0		64.611	68.14
	70MHz, QPSK			64.565	68.50
	70MHz, 16QAM			64.603	68.28
	80MHz, BPSK	216/0		77.448	81.33
	80MHz, QPSK			77.411	81.55
	80MHz, 16QAM			77.484	81.55
	90MHz, BPSK	243/0		87.045	91.52
	90MHz, QPSK			87.078	91.75
	90MHz, 16QAM			87.034	91.57
	100MHz, BPSK	270/0		96.776	101.70
	100MHz, QPSK			96.708	101.77
	100MHz, 16QAM			96.650	101.65
	100MHz, BPSK	1/0		0.598	1.12

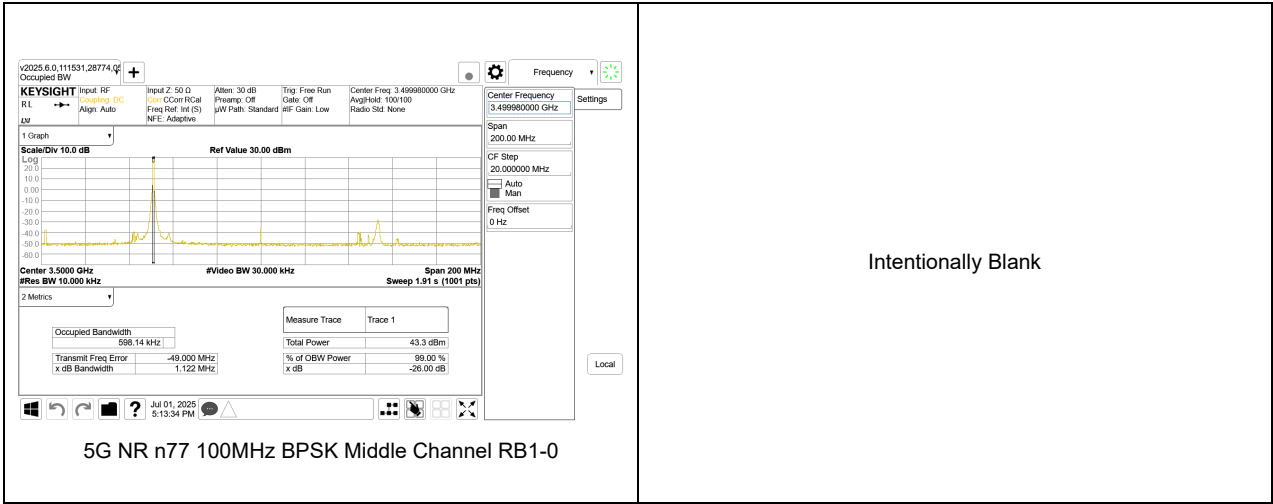
5G NR n77(FCC Part 27 3700-3980MHz)

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	8.662	10.02
	10MHz, QPSK			8.665	9.94
	10MHz, 16QAM			8.652	9.76
	15MHz, BPSK	36/0		12.945	14.28
	15MHz, QPSK			12.952	14.41
	15MHz, 16QAM			12.954	14.58
	20MHz, BPSK	50/0		17.974	19.58
	20MHz, QPSK			17.954	19.65
	20MHz, 16QAM			17.940	19.70
	25MHz, BPSK	64/0		22.949	24.77
	25MHz, QPSK			22.981	24.81
	25MHz, 16QAM			22.979	24.88
	30MHz, BPSK	75/0		26.923	28.88
	30MHz, QPSK			26.915	28.76
	30MHz, 16QAM			26.934	28.92
	40MHz, BPSK	100/0		35.980	38.01
	40MHz, QPSK			35.790	38.07
	40MHz, 16QAM			35.920	38.20
	50MHz, BPSK	128/0		45.841	48.32
	50MHz, QPSK			45.851	48.58
	50MHz, 16QAM			45.793	48.25
	60MHz, BPSK	162/0		58.030	61.33
	60MHz, QPSK			58.028	61.00
	60MHz, 16QAM			58.006	61.06
	70MHz, BPSK	180/0		64.538	67.97
	70MHz, QPSK			64.548	68.15
	70MHz, 16QAM			64.412	68.16
	80MHz, BPSK	216/0		77.341	81.14
	80MHz, QPSK			77.240	81.22
	80MHz, 16QAM			77.225	81.17
	90MHz, BPSK	243/0		86.884	91.20
	90MHz, QPSK			87.003	91.39
	90MHz, 16QAM			87.129	91.33
	100MHz, BPSK	270/0		96.739	101.60
	100MHz, QPSK			96.676	101.60
	100MHz, 16QAM			96.657	101.59
	100MHz, BPSK	1/0		0.596	0.95

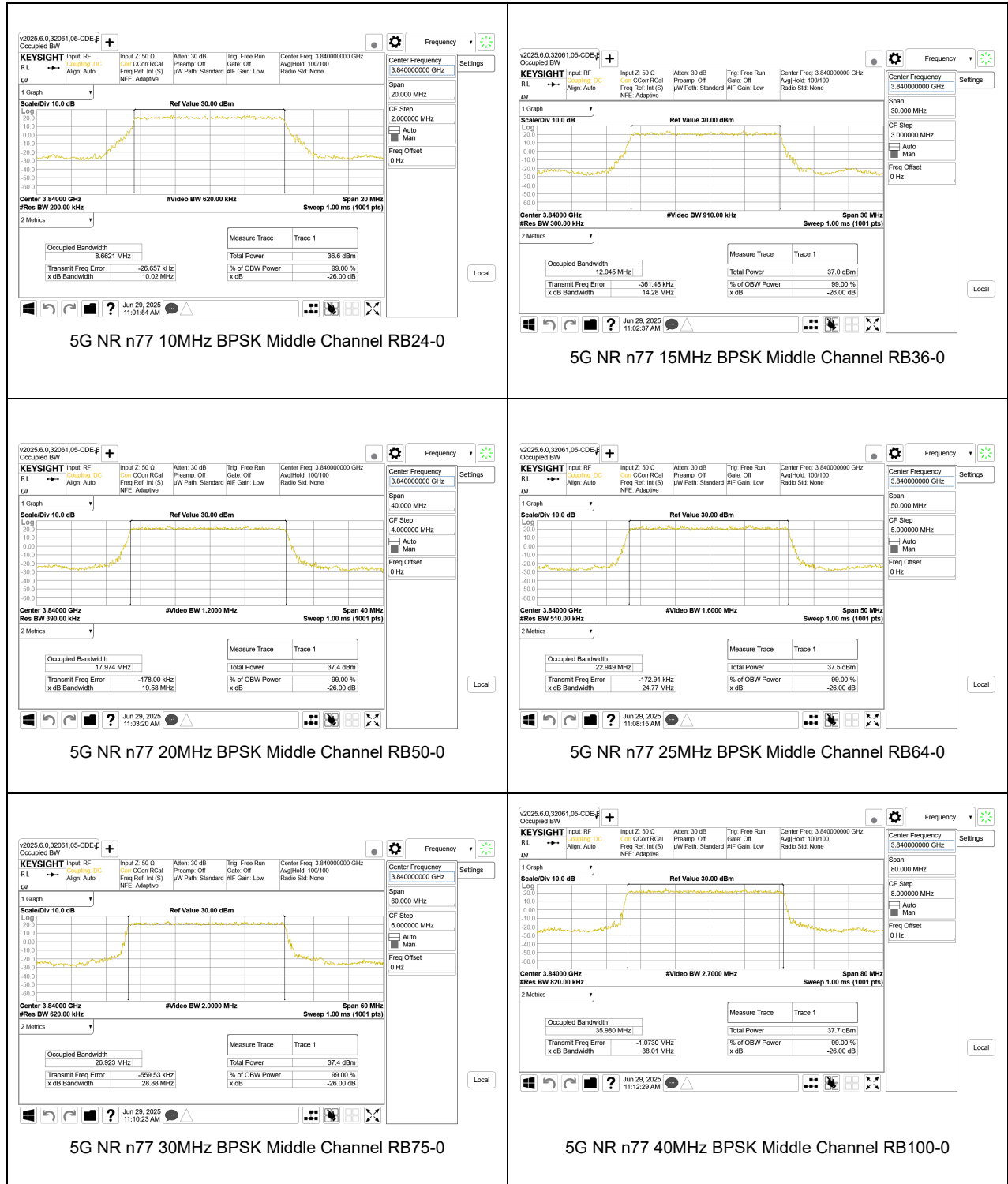
9.1.1. 5G NR n77 (FCC Part 27 3450-3550MHz)

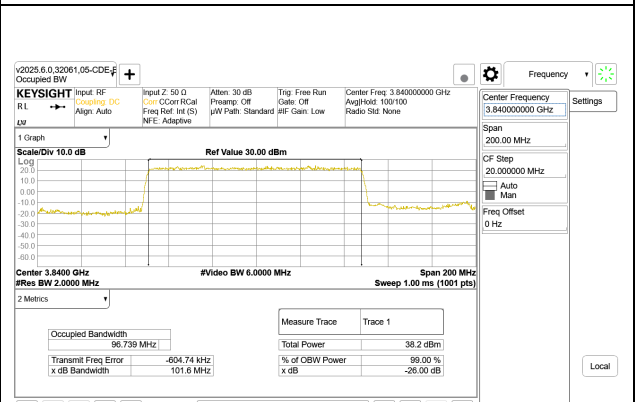
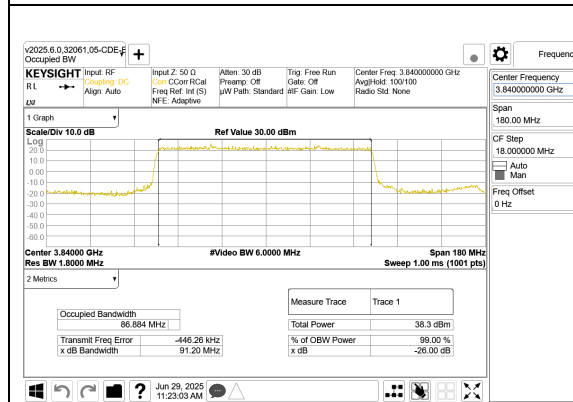
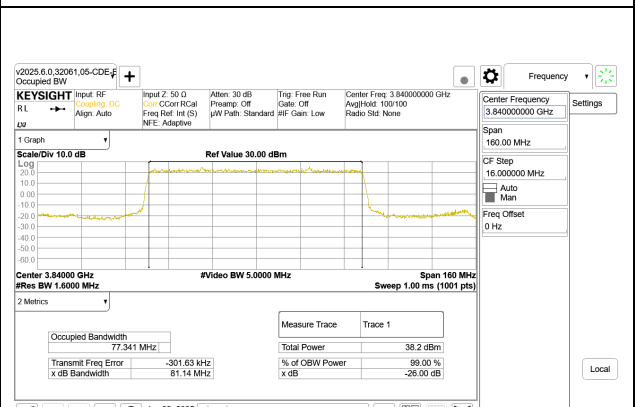
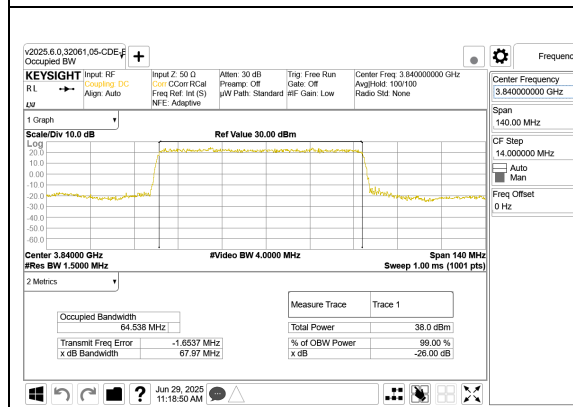
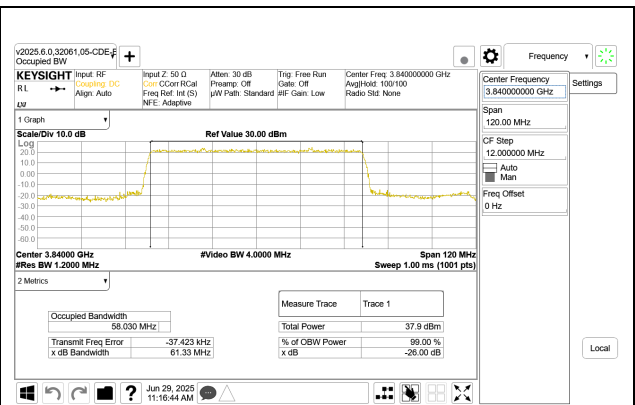
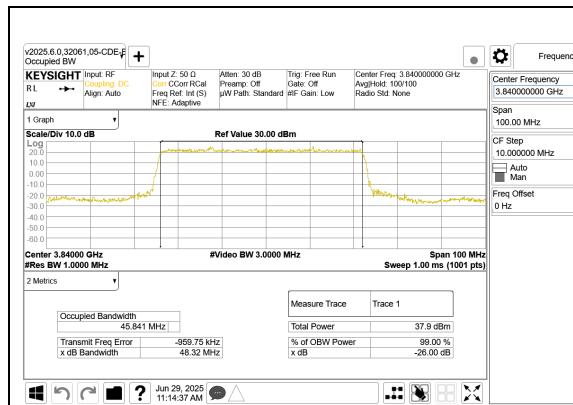


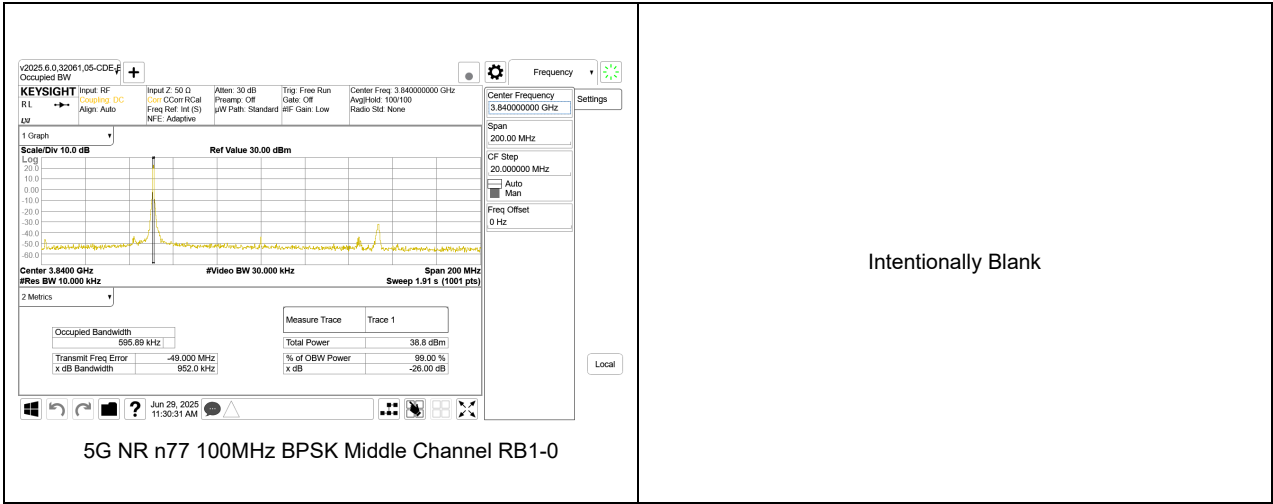




9.1.2. 5G NR n77 (FCC Part 27 3700-3980MHz)







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 -13 dBm
4. Set resolution bandwidth to at least 1% of emission bandwidth.

RESULTS

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

