FCC RF Test Report

APPLICANT	:	**Xiaomi Communications Co., Ltd.**
EQUIPMENT	:	**Mobile Phone**
BRAND NAME	:	**Redmi**
MODEL NAME	:	**25080RABDG**
FCC ID	:	**2AFZZRABDG**
STANDARD	:	**47 CFR Part 27 Subpart O (3700-3980MHz)**
CLASSIFICATION	:	**PCS Licensed Transmitter Held to Ear (PCE)**
TEST DATE(S)	:	**Jun. 30, 2025 ~ Jul 16, 2025**

We, Sporton International Inc. (ShenZhen), would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.26-2015 and shown compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (ShenZhen), the test report shall not be reproduced except in full.

Fly Liang

Approved by: Fly Liang

Sporton International Inc. (ShenZhen)

1/F, 2/F, Bldg 5, Shiling Industrial Zone, Xinwei Village, Xili, Nanshan, Shenzhen, 518055

People's Republic of China

Sporton International Inc. (ShenZhen)
TEL : +86-755-8637-9589
FAX : +86-755-8637-9595
FCC ID : 2AFZZRABDG

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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG562503O	Rev. 01	Initial issue of report	Aug. 12, 2025

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	Reporting Only	PASS	-
	§27.50(j)(3)	Equivalent Isotropic Radiated Power (5G NR n77, n78)	EIRP < 1Watt		
3.5	§27.50(j)(4)	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	Reporting Only	PASS	-
3.7	§2.1051 §27.53(l)(2)	Conducted Band Edge Measurement (5G NR n77, n78)	$< 43+10\log10(P[Watts])$	PASS	-
3.8	§2.1051 §27.53(l)(2)	Conducted Spurious Emission (5G NR n77, n78)	$< 43+10\log10(P[Watts])$	PASS	-
3.9	§27.54	Frequency Stability Temperature & Voltage	Within Authorized Band	PASS	-
4.4	§2.1053 §27.53(l)(2)	Radiated Spurious Emission (5G NR n77, n78)	$< 43+10\log_{10}(P[Watts])$	PASS	Under limit 23.17 dB at 11376.00 MHz

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.

2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty"

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

1　General Description

1.1　Applicant

Xiaomi Communications Co., Ltd.

#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

1.2　Manufacturer

Xiaomi Communications Co., Ltd.

#019, 9th Floor, Building 6, 33 Xi'erqi Middle Road, Haidian District, Beijing, China, 100085

1.3　Product Feature of Equipment Under Test

Product Feature	
Equipment	Mobile Phone
Brand Name	Redmi
Model Name	25080RABDG
FCC ID	2AFZZRABDG
IMEI Code	Conducted : 862542070023740 Radiation : 862542070040306/862542070040314
HW Version	135100P16
SW Version	Xiaomi HyperOS 2.0
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer. Please refer to the

specifications or user's manual for more detailed description.

1.4　Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx/Rx Frequency	5G NR n77: 3700 MHz ~ 3980 MHz 5G NR n78: 3700 MHz ~ 3800 MHz
SCS	30kHz
Bandwidth	n77/n78: 10 / 15 / 20 / 25 / 30 / 40 / 50 / 60 / 70 / 80 / 90 / 100MHz
Antenna Gain	**<Ant. 2>** 5G NR n77/n78: -1.3 dBi **<Ant. 4>** 5G NR n77/n78: -1.9 dBi **<Ant. 6>** 5G NR n77/n78: -2.55 dBi **<Ant. 11>** 5G NR n77/n78: -2.7 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

Remark:

1.　The maximum EIRP is calculated from max output power and max antenna gain, only the maximum

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EIRP is shown in the report, 5G NR n77/n78 for Antenna 4.

2. 5G NR n77/n78 support SA and NSA mode. The whole testing has assessed SA mode for n77 by referring to the higher conducted power for conducted test items.

3. The device supports HPUE(PC2) mode for 5G NR n77/n78.

4. All the supported EN-DC combinations are verified conducted power, only the EN-DC combination with highest power are shown in the report.

5. The EN-DC mode combination could be referred to the product spec.

1.5 Modification of EUT

No modifications are made to the EUT during all test items.

1.6 Maximum EIRP and Emission Designator

5G NR n77 SA for SCS 30kHz		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
10	3705.00 ~ 3975.00	0.2831	8M58G7D	0.2259	8M58W7D
15	3705.52 ~ 3972.48	0.2793	13M5G7D	0.2228	13M6W7D
20	3710.01 ~ 3969.99	0.2831	18M2G7D	0.2259	18M2W7D
25	3712.50 ~ 3967.50	0.2812	23M2G7D	0.2275	23M2W7D
30	3715.02 ~ 3964.98	0.2944	27M8G7D	0.2286	27M9W7D
40	3720.00 ~ 3960.00	0.2917	37M8G7D	0.2286	37M9W7D
50	3725.01 ~ 3954.99	0.2877	47M5G7D	0.2280	47M6W7D
60	3730.02 ~ 3949.98	0.2858	57M7G7D	0.2280	57M9W7D
70	3735.00 ~ 3945.00	0.2884	67M7G7D	0.2270	67M6W7D
80	3740.01 ~ 3939.99	0.2858	77M5G7D	0.2312	77M7W7D
90	3745.02 ~ 3934.98	0.2891	87M4G7D	0.2280	87M6W7D
100	3750.00 ~ 3930.00	0.2958	97M5G7D	0.2270	97M5W7D

5G NR n78 SA for SCS 30kHz		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum EIRP(W)	Emission Designator (99%OBW)	Maximum EIRP(W)	Emission Designator (99%OBW)
10	3705.00 ~ 3795.00	0.2924	8M58G7D	0.2301	8M58W7D
15	3707.52 ~ 3792.48	0.2799	13M5G7D	0.2270	13M6W7D
20	3710.01 ~ 3789.99	0.2877	18M2G7D	0.2296	18M2W7D
25	3712.50 ~ 3787.50	0.2838	23M2G7D	0.2323	23M2W7D
30	3715.02 ~ 3784.98	0.2805	27M8G7D	0.2249	27M9W7D
40	3720.00 ~ 3780.00	0.2818	37M8G7D	0.2280	37M9W7D
50	3725.01 ~ 3774.99	0.2844	47M5G7D	0.2249	47M6W7D
60	3730.02 ~ 3769.98	0.2858	57M7G7D	0.2265	57M9W7D
70	3735.00 ~ 3765.00	0.2793	67M7G7D	0.2254	67M6W7D
80	3740.01 ~ 3759.99	0.2831	77M5G7D	0.2254	77M7W7D
90	3745.02 ~ 3754.98	0.2799	87M4G7D	0.2259	87M6W7D
100	3750.00 ~ 3750.00	0.2931	97M5G7D	0.2312	97M5W7D

Note:

1. 5G NR n77 overlaps the entire frequency range of n78, and n77 power > n78 power, therefore the conducted test results of n77 provided in this report cover n78.

2. All modulations have been tested, and only the worst test results of PSK & QAM are shown in the report.

1.7 Testing Location

Sporton International Inc. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	TH01-SZ 03CH01-SZ	CN1256	421272

Sporton International Inc. (ShenZhen)
TEL : +86-755-8637-9589
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1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH01-SZ	AUDIX	E3	6.2009-8-24

1.9 Applicable Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- 47 CFR Part 27
- ANSI C63.26-2015
- FCC KDB 971168 D01 Power Meas License Digital Systems v03r01
- FCC KDB 412172 D01 Determining ERP and EIRP v01r01

Remark:

All test items were verified and recorded according to the standards and without any deviation during the test.

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2 Test Configuration of Equipment Under Test

2.1 Test Mode

Antenna port conducted and radiated test items are performed according to KDB 971168 D01 Power Meas License Digital Systems v03r01 with maximum output power.
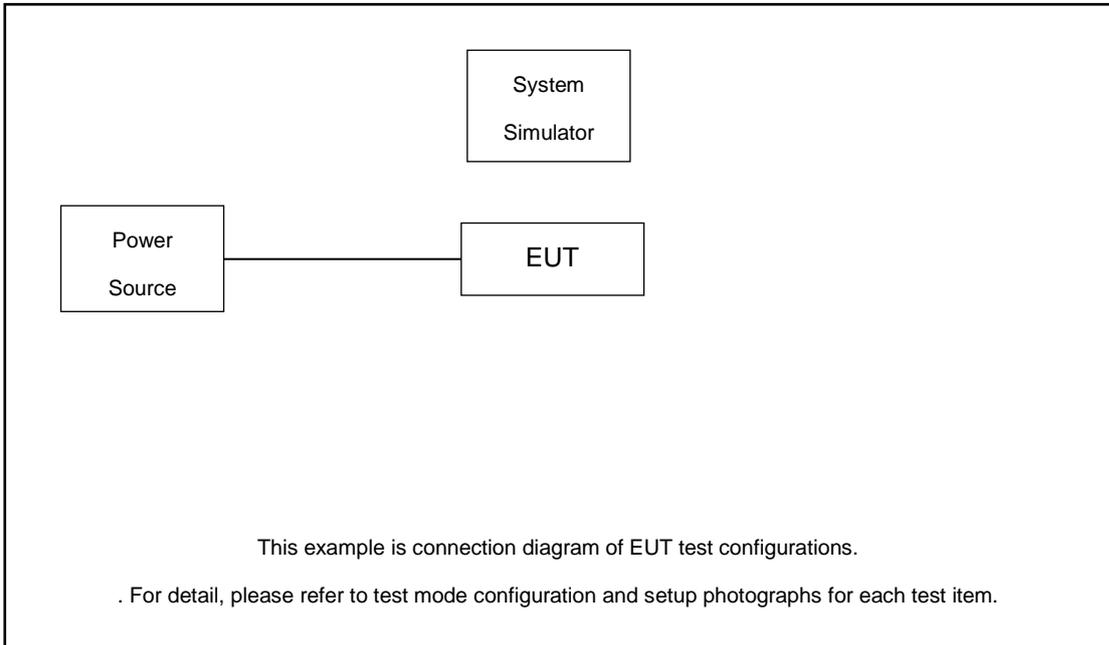
For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Z plane) were recorded in this report.

The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported.

	X Plane	Y Plane	Z Plane
Orthogonal Planes of EUT			

Test Items	5G NR	Bandwidth (MHz)												Modulation					RB #		Test Channel		
		10	15	20	25	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16 QAM	64 QAM	256 QAM	1	Full	L	M	H
Max. Output Power	n77	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	n78	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	n77			v										v	v					v		v	
26dB and 99% Bandwidth	n77	v	v	v	v	v	v	v	v	v	v	v	v		v	v	v	v		v		v	
Conducted Band Edge	n77	v					v						v	v	v				v	v	v		v
Conducted Spurious Emission	n77	v					v						v	v	v				v		v	v	v
Frequency Stability	n77			v											v					v		v	
E.I.R.P	n77	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
	n78	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	n77	Worst Case																			v	
	n78	Worst Case																			v	
Note	1. The mark "v " means that this configuration is chosen for testing 2. The mark "-" means that this bandwidth is not supported. 3. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst case emissions are reported. 4. Frequency Stability : Normal Voltage = 3.89V; Low Voltage =3.6V; High Voltage =4.3V.																						

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2.2 Connection Diagram of Test System

```
                        ┌──────────────┐
                        │   System     │
                        │  Simulator   │
                        └──────────────┘

   ┌──────────────┐                  ┌──────────────┐
   │   Power      │                  │              │
   │   Source     │──────────────────│     EUT      │
   └──────────────┘                  └──────────────┘



              This example is connection diagram of EUT test configurations.

          . For detail, please refer to test mode configuration and setup photographs for each test item.
```

2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model No.	FCC ID	Data Cable	Power Cord
1.	DC Power Supply	GW	GPS-3030D	N/A	N/A	Unshielded, 1.8 m
2.	LTE Base Station	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
3.	NR Base Station	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m

2.4 Measurement Results Explanation Example

For all conducted test items:

The offset level is set in the spectrum analyzer to compensate the RF cable loss between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss.

Offset = RF cable loss.

Following shows an offset computation example with cable loss 8.9 dB.

Example :

Offset(dB) = RF cable loss(dB).

$$= 8.9 \text{ (dB)}$$

2.5 Frequency List of Low/Middle/High Channels

5G n77 (30kHz) Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
100	Channel	650000	656000	662000
	Frequency	3750	3840	3930
90	Channel	649668	656000	662332
	Frequency	3745.02	3840	3934.98
80	Channel	649334	656000	662666
	Frequency	3740.01	3840	3939.99
70	Channel	649000	656000	663000
	Frequency	3735	3840	3945
60	Channel	648668	656000	663332
	Frequency	3730.02	3840	3949.98
50	Channel	648334	656000	663666
	Frequency	3725.01	3840	3954.99
40	Channel	648000	656000	664000
	Frequency	3720	3840	3960
30	Channel	647668	656000	664332
	Frequency	3715.02	3840	3964.98
25	Channel	647500	656000	664500
	Frequency	3712.5	3840	3967.5
20	Channel	647334	656000	664666
	Frequency	3710.01	3840	3969.99
15	Channel	647168	656000	664832
	Frequency	3707.52	3840	3972.48
10	Channel	647000	656000	665000
	Frequency	3705	3840	3975

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5G n78(30kHz) Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
100	Channel		650000	
	Frequency		3750	
90	Channel	649668	650000	650332
	Frequency	3745.02	3750	3754.98
80	Channel	649334	650000	650666
	Frequency	3740.01	3750	3759.99
70	Channel	649000	650000	651000
	Frequency	3735	3750	3765
60	Channel	648668	650000	651332
	Frequency	3730.02	3750	3769.98
50	Channel	648334	650000	651666
	Frequency	3725.01	3750	3774.99
40	Channel	648000	650000	652000
	Frequency	3720	3750	3780
30	Channel	647668	650000	652332
	Frequency	3715.02	3750	3784.98
25	Channel	647500	650000	652500
	Frequency	3712.5	3750	3787.5
20	Channel	647334	650000	652666
	Frequency	3710.01	3750	3789.99
15	Channel	647168	650000	652832
	Frequency	3707.52	3750	3792.48
10	Channel	647000	650000	653000
	Frequency	3705	3750	3795

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3 Conducted Test Items
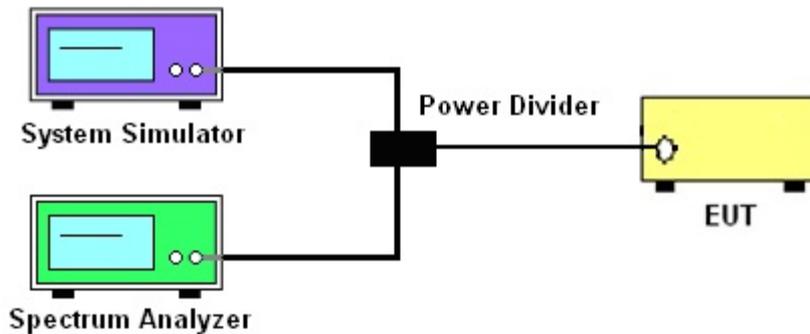
3.1 Measuring Instruments

See list of measuring instruments of this test report.
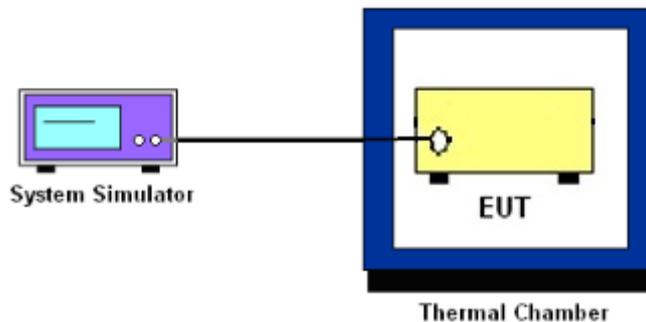
3.2 Test Setup

3.2.1 Conducted Output Power
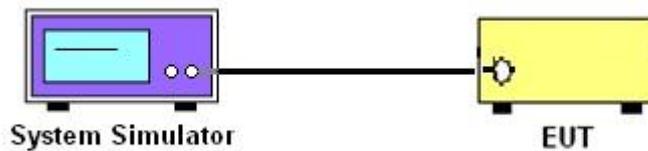
3.2.2 Peak-to-Average Ratio, Occupied Bandwidth, Conducted Band-Edge and Conducted Spurious Emission

3.2.3 Frequency Stability

3.3 Test Result of Conducted Test

Please refer to Appendix A.

3.4 Conducted Output Power and EIRP

3.4.1   Description of the Conducted Output Power Measurement and EIRP Measurement

A system simulator was used to establish communication with the EUT. Its parameters were set to force the EUT transmitting at maximum output power. The measured power in the radio frequency on the transmitter output terminals shall be reported.

The EIRP of mobile transmitters must not exceed 1 Watts for 5G NR n77, n78.

According to KDB 412172 D01 Power Approach,

$EIRP = P_T + G_T - L_C$, $ERP = EIRP -2.15$, where

P_T = transmitter output power in dBm

G_T = gain of the transmitting antenna in dBi

L_C = signal attenuation in the connecting cable between the transmitter and antenna in dB

3.4.2   Test Procedures

1.   The testing follows ANSI C63.26 Section 5.2

2.   The transmitter output port was connected to the system simulator.

3.   Set EUT at maximum power through the system simulator.

4.   Select lowest, middle, and highest channels for each band and different modulation.

5.   Measure and record the power level from the system simulator.

3.5 Peak-to-Average Ratio

3.5.1 Description of the PAR Measurement

Power Complementary Cumulative Distribution Function (CCDF) curves provide a means for characterizing the power peaks of a digitally modulated signal on a statistical basis. A CCDF curve depicts the probability of the peak signal amplitude exceeding the average power level. Most contemporary measurement instrumentation include the capability to produce CCDF curves for an input signal provided that the instrument's resolution bandwidth can be set wide enough to accommodate the entire input signal bandwidth. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

3.5.2 Test Procedures

1. The testing follows ANSI C63.26 Section 5.2.3.4 (CCDF).
2. The EUT was connected to spectrum and system simulator via a power divider.
3. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer.
4. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1 %.
5. Record the deviation as Peak to Average Ratio.

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3.6 Occupied Bandwidth

3.6.1   Description of Occupied Bandwidth Measurement

The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

The 26 dB emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 dB below the maximum in-band spectral density of the modulated signal. Spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

3.6.2   Test Procedures

1.   The testing follows ANSI C63.26 Section 5.4
2.   The EUT was connected to spectrum analyzer and system simulator via a power divider.
3.   The spectrum analyzer center frequency is set to the nominal EUT channel center frequency. The span range for the spectrum analyzer shall be between two and five times the anticipated OBW.
4.   The nominal resolution bandwidth (RBW) shall be in the range of 1 to 5 % of the anticipated OBW, and the VBW shall be at least 3 times the RBW.
5.   Set the detection mode to peak, and the trace mode to max hold.
6.   Determine the reference value: Set the EUT to transmit a modulated signal. Allow the trace to stabilize. Set the spectrum analyzer marker to the highest level of the displayed trace.
(this is the reference value)
7.   Determine the "-26 dB down amplitude" as equal to (Reference Value – X).
8.   Place two markers, one at the lowest and the other at the highest frequency of the envelope of the spectral display such that each marker is at or slightly below the "–X dB down amplitude" determined in step 6. If a marker is below this "-X dB down amplitude" value it shall be placed as close as possible to this value. The OBW is the positive frequency difference between the two markers.
9.   Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

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3.7 Conducted Band Edge

3.7.1 Description of Conducted Band Edge Measurement

27.53(l)(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 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.

3.7.2 Test Procedures

1. The testing follows ANSI C63.26 section 5.7
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured.
4. Set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
5. Beyond the 1 MHz band from the band edge, RBW=1MHz was used or a narrower RBW was used (generally limited to no less than 1% of the OBW) and the measured power was integrated over the full required measurement bandwidth.
6. Set spectrum analyzer with RMS detector.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. Checked that all the results comply with the emission limit line.
   Example:
   The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
   = P(W)- [43 + 10log(P)] (dB)
   = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB) = -13dBm.
9. When using the integration method, the starting frequency of the integration shall be centered at one-half of the RBW away from the band edge.

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3.8 Conducted Spurious Emission

3.8.1   Description of Conducted Spurious Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least 43 + 10 log (P) dB.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

3.8.2   Test Procedures

1.   The testing follows ANSI C63.26 section 5.7
2.   The EUT was connected to spectrum analyzer and system simulator via a power divider.
3.   The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.
4.   The middle channel for the highest RF power within the transmitting frequency was measured.
5.   The conducted spurious emission for the whole frequency range was taken.
6.   Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz.
7.   Set spectrum analyzer with RMS detector.
8.   Taking the record of maximum spurious emission.
9.   The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
10. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)

$$= P(W) - [43 + 10\log(P)] \, (dB)$$

$$= [30 + 10\log(P)] \, (dBm) - [43 + 10\log(P)] \, (dB)$$

$$= -13dBm.$$

3.9 Frequency Stability

3.9.1 Description of Frequency Stability Measurement

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within ±0.00025% (±2.5ppm) of the center frequency.

3.9.2 Test Procedures for Temperature Variation

1. The testing follows ANSI C63.26 section 5.6.4
2. The EUT was set up in the thermal chamber and connected with the system simulator.
3. With power OFF, the temperature was decreased to -30°C and the EUT was stabilized before testing. Power was applied and the maximum change in frequency was recorded within one minute.
4. With power OFF, the temperature was raised in 10°C step up to 50°C. The EUT was stabilized at each step for at least half an hour. Power was applied and the maximum frequency change was recorded within one minute.

3.9.3 Test Procedures for Voltage Variation

1. The testing follows ANSI C63.26 section 5.6.5
2. The EUT was placed in a temperature chamber at 20±5°C and connected with the system simulator.
3. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value for other than hand carried battery equipment.
4. For hand carried, battery powered equipment, reduce the primary ac or dc supply voltage to the battery operating end point, which shall be specified by the manufacturer.
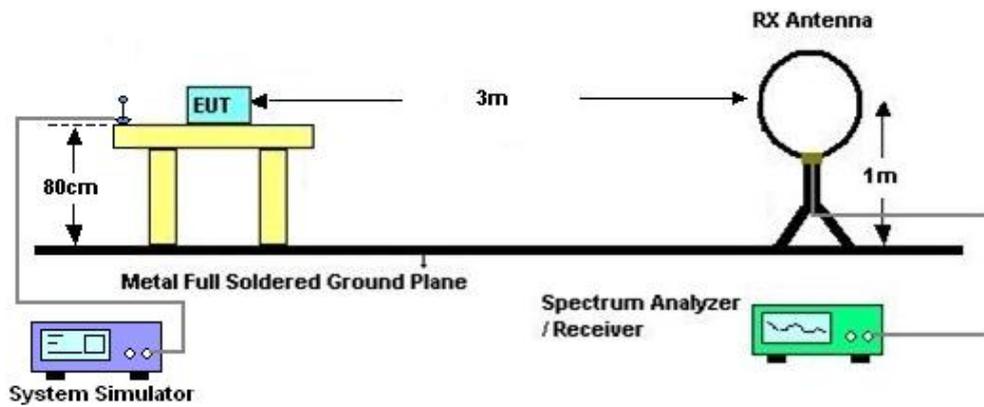5. The variation in frequency was measured for the worst case.

Sporton International Inc. (ShenZhen)
TEL : +86-755-8637-9589
FAX : +86-755-8637-9595
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4   Radiated Test Items

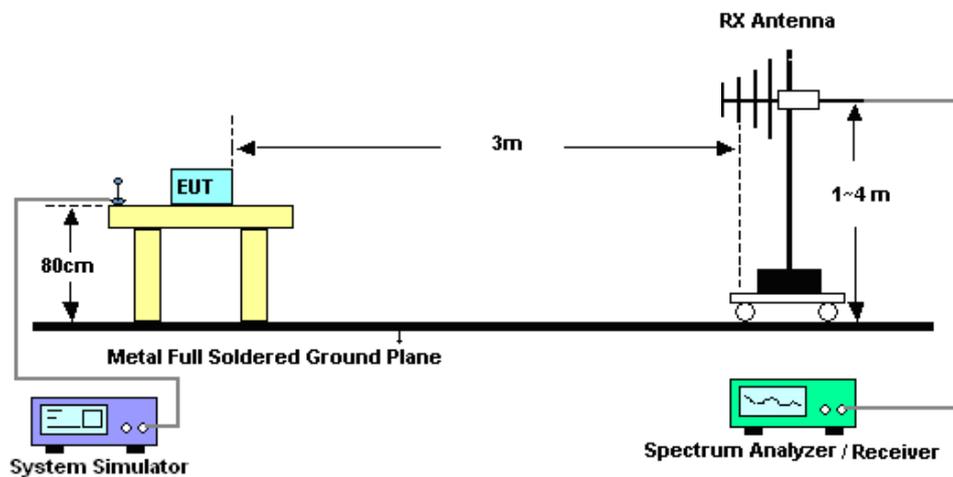## 4.1   Measuring Instruments

See list of measuring instruments of this test report.

4.2   Test Setup
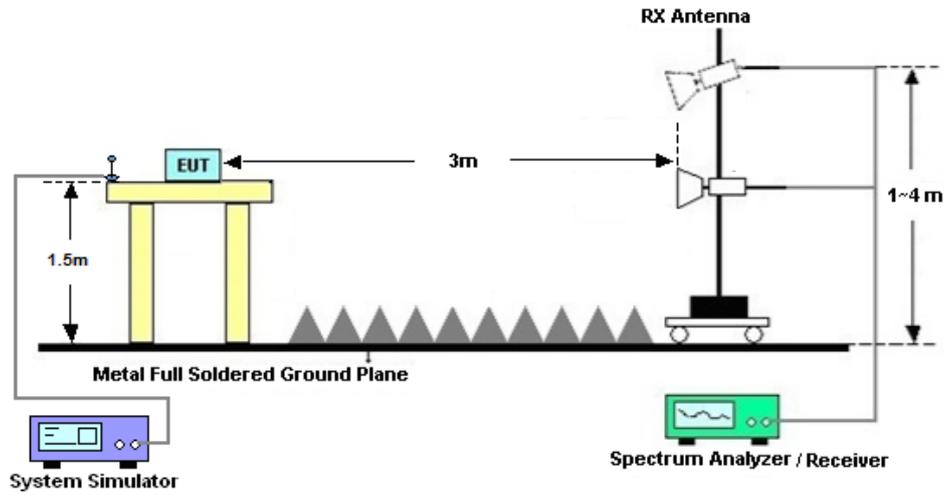
4.2.1   For radiated test below 30MHz

4.2.2   For radiated test from 30MHz to 1GHz

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4.2.3   For radiated test above 1GHz

4.3 Test Result of Radiated Test

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

Please refer to Appendix B.

4.4 Radiated Spurious Emission

4.4.1   Description of Radiated Spurious Emission

The radiated spurious emission was measured by substitution method according to ANSI C63.26. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least 43 + 10 log (P) dB.

The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.

4.4.2   Test Procedures

1. The testing follows ANSI C63.26 Section 5.5
2. The EUT was placed on a turntable with 0.8 meter height for frequency below 1GHz and 1.5 meter height for frequency above 1GHz respectively above ground.
3. The EUT was set 3 meters from the receiving antenna mounted on the antenna tower.
4. The table was rotated 360 degrees to determine the position of the highest spurious emission.
5. The height of the receiving antenna is varied between 1m to 4m to search the maximum spurious emission for both horizontal and vertical polarizations.
6. During the measurement, the system simulator parameters were set to force the EUT transmitting at maximum output power.
7. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
8. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
9. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
10. EIRP (dBm) = S.G. Power – Tx Cable Loss + Tx Antenna Gain
11. ERP (dBm) = EIRP - 2.15
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

    The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)

    = P(W)- [43 + 10log(P)] (dB)

    = [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)

    = -13dBm.

5   List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver&SA	Agilent	N9038A	MY52260185	20Hz~26.5GHz	Dec. 25, 2024	Jul. 16, 2025	Dec. 24, 2025	Radiation (03CH01-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Jul. 16, 2025	Dec. 27, 2025	Radiation (03CH01-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 14,2024	Jul. 16, 2025	Oct. 13,2025	Radiation (03CH01-SZ
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz-2GHz	Oct. 24, 2023	Jul. 16, 2025	Oct. 23, 2025	Radiation (03CH01-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2025	Jul. 16, 2025	Jul. 03, 2026	Radiation (03CH01-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz-40GHz	Apr. 03, 2025	Jul. 16, 2025	Apr. 02, 2027	Radiation (03CH01-SZ)
LF Amplifier	EM Electronics	EM330	060788	20MHz-3GHz	Dec. 25, 2024	Jul. 16, 2025	Dec. 24, 2025	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	AMF-7D-00101800-30-10P-R	1943528	1GHz~18GHz	Oct. 14,2024	Jul. 16, 2025	Oct. 13,2025	Radiation (03CH01-SZ)
HF Amplifier	MITEQ	TTA1840-35-HG	1871923	18GHz~40GHz	Jul. 03, 2025	Jul. 16, 2025	Jul. 02, 2026	Radiation (03CH01-SZ)
AC Power Source	Chroma	61601	616010001985	N/A	Oct. 14,2024	Jul. 16, 2025	Oct. 13,2025	Radiation (03CH01-SZ)
Turn Table	EM	EM1000	N/A	0~360 degree	NCR	Jul. 16, 2025	NCR	Radiation (03CH01-SZ)
Antenna Mast	EM	EM1000	N/A	1 m~4 m	NCR	Jul. 16, 2025	NCR	Radiation (03CH01-SZ)
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 02, 2025	Jun. 30, 2025	Apr. 01, 2026	Conducted (TH01-SZ)
DC Power Supply	TTI	PL330P	290070	Max 32V，3A	Oct. 14, 2024	Jun. 30, 2025	Oct. 13, 2025	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04265	60.06.020.0077	0.4GHz~26.5GHz	Dec. 24, 2024	Jun. 30, 2025	Dec. 23, 2025	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 03, 2024	Jun. 30, 2025	Jul. 02, 2025	Conducted (TH01-SZ)

NCR: No Calibration Required

6 Measurement Uncertainty

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI 63.26-2015. All the measurement uncertainty value were shown with a coverage K=2 to indicate 95% level of confidence. The measurement data show herein meets or exceeds the CISPR measurement uncertainty values specified in CISPR 16-4-2 and can be compared directly to specified limit to determine compliance.

Uncertainty of Conducted Measurement

Test Item	Uncertainty
Conducted Spurious Emission & Bandedge	±1.34 dB
Occupied Channel Bandwidth	±0.012 MHz
Conducted Power	±1.34 dB
Peak to Average Ratio	±1.34 dB
Frequency Stability	±1.3 Hz

Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.48 dB

Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	3.53 dB

Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	4.02 dB

----------- THE END -----------

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Appendix A. Test Results of Conducted Test

Test Engineer :	Khan Zhen	Temperature :	24~26℃
		Relative Humidity :	50~53%

Software Version: 23.06.1602

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Transmitter Conducted Output Power And EIRP, (GT - LC)= -1.9 dB

NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
77	30	10	647000	3705	DFT-s-OFDM QPSK	12@6	26.02	24.12	0.2582
77	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	26.02	24.12	0.2582
77	30	10	647000	3705	DFT-s-OFDM QPSK	1@22	26.01	24.11	0.2576
77	30	10	647000	3705	DFT-s-OFDM 16 QAM	12@6	25.05	23.15	0.2065
77	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	25.07	23.17	0.2075
77	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@22	25.04	23.14	0.2061
77	30	10	656000	3840	DFT-s-OFDM QPSK	12@6	26.42	24.52	0.2831
77	30	10	656000	3840	DFT-s-OFDM QPSK	1@1	26.41	24.51	0.2825
77	30	10	656000	3840	DFT-s-OFDM QPSK	1@22	26.22	24.32	0.2704
77	30	10	656000	3840	DFT-s-OFDM 16 QAM	12@6	25.44	23.54	0.2259
77	30	10	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.32	23.42	0.2198
77	30	10	656000	3840	DFT-s-OFDM 16 QAM	1@22	25.33	23.43	0.2203
77	30	10	665000	3975	DFT-s-OFDM QPSK	12@6	26.07	24.17	0.2612
77	30	10	665000	3975	DFT-s-OFDM QPSK	1@1	26.13	24.23	0.2649
77	30	10	665000	3975	DFT-s-OFDM QPSK	1@22	26.09	24.19	0.2624
77	30	10	665000	3975	DFT-s-OFDM 16 QAM	12@6	25.15	23.25	0.2113
77	30	10	665000	3975	DFT-s-OFDM 16 QAM	1@1	25.13	23.23	0.2104
77	30	10	665000	3975	DFT-s-OFDM 16 QAM	1@22	25.18	23.28	0.2128
77	30	15	647168	3707.52	DFT-s-OFDM QPSK	18@9	26.05	24.15	0.2600
77	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	26.14	24.24	0.2655
77	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@36	26.05	24.15	0.2600
77	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	18@9	25.14	23.24	0.2109
77	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	25.08	23.18	0.2080
77	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@36	25.07	23.17	0.2075
77	30	15	656000	3840	DFT-s-OFDM QPSK	18@9	26.34	24.44	0.2780
77	30	15	656000	3840	DFT-s-OFDM QPSK	1@1	26.36	24.46	0.2793
77	30	15	656000	3840	DFT-s-OFDM QPSK	1@36	26.2	24.3	0.2692
77	30	15	656000	3840	DFT-s-OFDM 16 QAM	18@9	25.38	23.48	0.2228
77	30	15	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.31	23.41	0.2193
77	30	15	656000	3840	DFT-s-OFDM 16 QAM	1@36	25.26	23.36	0.2168
77	30	15	664832	3972.48	DFT-s-OFDM QPSK	18@9	26.15	24.25	0.2661
77	30	15	664832	3972.48	DFT-s-OFDM QPSK	1@1	25.97	24.07	0.2553
77	30	15	664832	3972.48	DFT-s-OFDM QPSK	1@36	26.1	24.2	0.2630
77	30	15	664832	3972.48	DFT-s-OFDM 16 QAM	18@9	25.07	23.17	0.2075
77	30	15	664832	3972.48	DFT-s-OFDM 16 QAM	1@1	25.02	23.12	0.2051
77	30	15	664832	3972.48	DFT-s-OFDM 16 QAM	1@36	25.05	23.15	0.2065

77	30	20	647334	3710.01	DFT-s-OFDM QPSK	25@12	26.09	24.19	0.2624
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	26	24.1	0.2570
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@49	26.04	24.14	0.2594
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	25@12	25.12	23.22	0.2099
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	25.09	23.19	0.2084
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@49	25.07	23.17	0.2075
77	30	20	656000	3840	DFT-s-OFDM QPSK	25@12	26.42	24.52	0.2831
77	30	20	656000	3840	DFT-s-OFDM QPSK	1@1	26.33	24.43	0.2773
77	30	20	656000	3840	DFT-s-OFDM QPSK	1@49	26.19	24.29	0.2685
77	30	20	656000	3840	DFT-s-OFDM 16 QAM	25@12	25.44	23.54	0.2259
77	30	20	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.33	23.43	0.2203
77	30	20	656000	3840	DFT-s-OFDM 16 QAM	1@49	25.24	23.34	0.2158
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	25@12	26.12	24.22	0.2642
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@1	26.01	24.11	0.2576
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@49	26.08	24.18	0.2618
77	30	20	664666	3969.99	DFT-s-OFDM 16 QAM	25@12	25.13	23.23	0.2104
77	30	20	664666	3969.99	DFT-s-OFDM 16 QAM	1@1	24.98	23.08	0.2032
77	30	20	664666	3969.99	DFT-s-OFDM 16 QAM	1@49	25.09	23.19	0.2084
77	30	25	647500	3712.5	DFT-s-OFDM QPSK	32@16	26.07	24.17	0.2612
77	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	25.99	24.09	0.2564
77	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@63	26.19	24.29	0.2685
77	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	32@16	25.1	23.2	0.2089
77	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	25.05	23.15	0.2065
77	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@63	25.07	23.17	0.2075
77	30	25	656000	3840	DFT-s-OFDM QPSK	32@16	26.39	24.49	0.2812
77	30	25	656000	3840	DFT-s-OFDM QPSK	1@1	26.39	24.49	0.2812
77	30	25	656000	3840	DFT-s-OFDM QPSK	1@63	26.38	24.48	0.2805
77	30	25	656000	3840	DFT-s-OFDM 16 QAM	32@16	25.43	23.53	0.2254
77	30	25	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.47	23.57	0.2275
77	30	25	656000	3840	DFT-s-OFDM 16 QAM	1@63	25.32	23.42	0.2198
77	30	25	664500	3967.5	DFT-s-OFDM QPSK	32@16	26.07	24.17	0.2612
77	30	25	664500	3967.5	DFT-s-OFDM QPSK	1@1	25.98	24.08	0.2559
77	30	25	664500	3967.5	DFT-s-OFDM QPSK	1@63	26.19	24.29	0.2685
77	30	25	664500	3967.5	DFT-s-OFDM 16 QAM	32@16	25.12	23.22	0.2099
77	30	25	664500	3967.5	DFT-s-OFDM 16 QAM	1@1	25.08	23.18	0.2080
77	30	25	664500	3967.5	DFT-s-OFDM 16 QAM	1@63	25.17	23.27	0.2123
77	30	30	647668	3715.02	DFT-s-OFDM QPSK	36@18	26.14	24.24	0.2655
77	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	26.07	24.17	0.2612
77	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@76	26.13	24.23	0.2649
77	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	36@18	25.15	23.25	0.2113
77	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	25.14	23.24	0.2109
77	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@76	25.21	23.31	0.2143
77	30	30	656000	3840	DFT-s-OFDM QPSK	36@18	26.45	24.55	0.2851
77	30	30	656000	3840	DFT-s-OFDM QPSK	1@1	26.59	24.69	0.2944
77	30	30	656000	3840	DFT-s-OFDM QPSK	1@76	26.35	24.45	0.2786

77	30	30	656000	3840	DFT-s-OFDM 16 QAM	36@18	25.46	23.56	0.2270
77	30	30	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.49	23.59	0.2286
77	30	30	656000	3840	DFT-s-OFDM 16 QAM	1@76	25.34	23.44	0.2208
77	30	30	664332	3964.98	DFT-s-OFDM QPSK	36@18	26.02	24.12	0.2582
77	30	30	664332	3964.98	DFT-s-OFDM QPSK	1@1	25.9	24	0.2512
77	30	30	664332	3964.98	DFT-s-OFDM QPSK	1@76	26.06	24.16	0.2606
77	30	30	664332	3964.98	DFT-s-OFDM 16 QAM	36@18	25.06	23.16	0.2070
77	30	30	664332	3964.98	DFT-s-OFDM 16 QAM	1@1	24.99	23.09	0.2037
77	30	30	664332	3964.98	DFT-s-OFDM 16 QAM	1@76	25.13	23.23	0.2104
77	30	40	648000	3720	DFT-s-OFDM QPSK	50@25	26.1	24.2	0.2630
77	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	26.13	24.23	0.2649
77	30	40	648000	3720	DFT-s-OFDM QPSK	1@104	26.14	24.24	0.2655
77	30	40	648000	3720	DFT-s-OFDM 16 QAM	50@25	25.19	23.29	0.2133
77	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	25.08	23.18	0.2080
77	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@104	25.19	23.29	0.2133
77	30	40	656000	3840	DFT-s-OFDM QPSK	50@25	26.5	24.6	0.2884
77	30	40	656000	3840	DFT-s-OFDM QPSK	1@1	26.55	24.65	0.2917
77	30	40	656000	3840	DFT-s-OFDM QPSK	1@104	26.24	24.34	0.2716
77	30	40	656000	3840	DFT-s-OFDM 16 QAM	50@25	25.49	23.59	0.2286
77	30	40	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.47	23.57	0.2275
77	30	40	656000	3840	DFT-s-OFDM 16 QAM	1@104	25.28	23.38	0.2178
77	30	40	664000	3960	DFT-s-OFDM QPSK	50@25	26.04	24.14	0.2594
77	30	40	664000	3960	DFT-s-OFDM QPSK	1@1	26	24.1	0.2570
77	30	40	664000	3960	DFT-s-OFDM QPSK	1@104	26.11	24.21	0.2636
77	30	40	664000	3960	DFT-s-OFDM 16 QAM	50@25	25.11	23.21	0.2094
77	30	40	664000	3960	DFT-s-OFDM 16 QAM	1@1	25.03	23.13	0.2056
77	30	40	664000	3960	DFT-s-OFDM 16 QAM	1@104	25.21	23.31	0.2143
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	64@32	26.26	24.36	0.2729
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	26.04	24.14	0.2594
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@131	26.1	24.2	0.2630
77	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	64@32	25.22	23.32	0.2148
77	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	25.04	23.14	0.2061
77	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@131	25.18	23.28	0.2128
77	30	50	656000	3840	DFT-s-OFDM QPSK	64@32	26.49	24.59	0.2877
77	30	50	656000	3840	DFT-s-OFDM QPSK	1@1	26.4	24.5	0.2818
77	30	50	656000	3840	DFT-s-OFDM QPSK	1@131	26.17	24.27	0.2673
77	30	50	656000	3840	DFT-s-OFDM 16 QAM	64@32	25.48	23.58	0.2280
77	30	50	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.48	23.58	0.2280
77	30	50	656000	3840	DFT-s-OFDM 16 QAM	1@131	25.28	23.38	0.2178
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	64@32	25.98	24.08	0.2559
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@1	25.93	24.03	0.2529
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@131	26.07	24.17	0.2612
77	30	50	663666	3954.99	DFT-s-OFDM 16 QAM	64@32	25.08	23.18	0.2080
77	30	50	663666	3954.99	DFT-s-OFDM 16 QAM	1@1	25	23.1	0.2042
77	30	50	663666	3954.99	DFT-s-OFDM 16 QAM	1@131	25.16	23.26	0.2118

77	30	60	648668	3730.02	DFT-s-OFDM QPSK	81@40	26.16	24.26	0.2667
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	25.99	24.09	0.2564
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@160	26.16	24.26	0.2667
77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	81@40	25.21	23.31	0.2143
77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	24.98	23.08	0.2032
77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@160	25.11	23.21	0.2094
77	30	60	656000	3840	DFT-s-OFDM QPSK	81@40	26.46	24.56	0.2858
77	30	60	656000	3840	DFT-s-OFDM QPSK	1@1	26.37	24.47	0.2799
77	30	60	656000	3840	DFT-s-OFDM QPSK	1@160	26.23	24.33	0.2710
77	30	60	656000	3840	DFT-s-OFDM 16 QAM	81@40	25.48	23.58	0.2280
77	30	60	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.39	23.49	0.2234
77	30	60	656000	3840	DFT-s-OFDM 16 QAM	1@160	25.26	23.36	0.2168
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	81@40	25.98	24.08	0.2559
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@1	26.02	24.12	0.2582
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@160	26.21	24.31	0.2698
77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	81@40	25.06	23.16	0.2070
77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	1@1	25.11	23.21	0.2094
77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	1@160	25.27	23.37	0.2173
77	30	70	649000	3735	DFT-s-OFDM QPSK	90@45	26.26	24.36	0.2729
77	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	26.09	24.19	0.2624
77	30	70	649000	3735	DFT-s-OFDM QPSK	1@187	26.25	24.35	0.2723
77	30	70	649000	3735	DFT-s-OFDM 16 QAM	90@45	25.31	23.41	0.2193
77	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	25.19	23.29	0.2133
77	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@187	25.21	23.31	0.2143
77	30	70	656000	3840	DFT-s-OFDM QPSK	90@45	26.44	24.54	0.2844
77	30	70	656000	3840	DFT-s-OFDM QPSK	1@1	26.5	24.6	0.2884
77	30	70	656000	3840	DFT-s-OFDM QPSK	1@187	26.14	24.24	0.2655
77	30	70	656000	3840	DFT-s-OFDM 16 QAM	90@45	25.46	23.56	0.2270
77	30	70	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.38	23.48	0.2228
77	30	70	656000	3840	DFT-s-OFDM 16 QAM	1@187	25.07	23.17	0.2075
77	30	70	663000	3945	DFT-s-OFDM QPSK	90@45	26.14	24.24	0.2655
77	30	70	663000	3945	DFT-s-OFDM QPSK	1@1	26.24	24.34	0.2716
77	30	70	663000	3945	DFT-s-OFDM QPSK	1@187	26.13	24.23	0.2649
77	30	70	663000	3945	DFT-s-OFDM 16 QAM	90@45	25.15	23.25	0.2113
77	30	70	663000	3945	DFT-s-OFDM 16 QAM	1@1	25.28	23.38	0.2178
77	30	70	663000	3945	DFT-s-OFDM 16 QAM	1@187	25.17	23.27	0.2123
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	108@54	26.27	24.37	0.2735
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	26.08	24.18	0.2618
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@215	26.18	24.28	0.2679
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	108@54	25.27	23.37	0.2173
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	25.14	23.24	0.2109
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@215	25.28	23.38	0.2178
77	30	80	656000	3840	DFT-s-OFDM QPSK	108@54	26.46	24.56	0.2858
77	30	80	656000	3840	DFT-s-OFDM QPSK	1@1	26.37	24.47	0.2799
77	30	80	656000	3840	DFT-s-OFDM QPSK	1@215	26.16	24.26	0.2667

77	30	80	656000	3840	DFT-s-OFDM 16 QAM	108@54	25.54	23.64	0.2312
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.48	23.58	0.2280
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	1@215	25.08	23.18	0.2080
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	108@54	26.02	24.12	0.2582
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	1@1	26.29	24.39	0.2748
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	1@215	26.19	24.29	0.2685
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	108@54	25.06	23.16	0.2070
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	1@1	25.3	23.4	0.2188
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	1@215	25.16	23.26	0.2118
77	30	90	649668	3745.02	DFT-s-OFDM QPSK	120@60	26.3	24.4	0.2754
77	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	26.1	24.2	0.2630
77	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@243	26.29	24.39	0.2748
77	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	120@60	25.31	23.41	0.2193
77	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	25.14	23.24	0.2109
77	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@243	25.26	23.36	0.2168
77	30	90	656000	3840	DFT-s-OFDM QPSK	120@60	26.51	24.61	0.2891
77	30	90	656000	3840	DFT-s-OFDM QPSK	1@1	26.34	24.44	0.2780
77	30	90	656000	3840	DFT-s-OFDM QPSK	1@243	26	24.1	0.2570
77	30	90	656000	3840	DFT-s-OFDM 16 QAM	120@60	25.48	23.58	0.2280
77	30	90	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.47	23.57	0.2275
77	30	90	656000	3840	DFT-s-OFDM 16 QAM	1@243	25.07	23.17	0.2075
77	30	90	662332	3934.98	DFT-s-OFDM QPSK	120@60	26.06	24.16	0.2606
77	30	90	662332	3934.98	DFT-s-OFDM QPSK	1@1	26.29	24.39	0.2748
77	30	90	662332	3934.98	DFT-s-OFDM QPSK	1@243	25.94	24.04	0.2535
77	30	90	662332	3934.98	DFT-s-OFDM 16 QAM	120@60	25.08	23.18	0.2080
77	30	90	662332	3934.98	DFT-s-OFDM 16 QAM	1@1	25.34	23.44	0.2208
77	30	90	662332	3934.98	DFT-s-OFDM 16 QAM	1@243	25.07	23.17	0.2075
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	26.21	24.31	0.2698
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	26.11	24.21	0.2636
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	26.29	24.39	0.2748
77	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	26.22	24.32	0.2704
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	26.01	24.11	0.2576
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	26.61	24.71	0.2958
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	135@67	25.28	23.38	0.2178
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	25.11	23.21	0.2094
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@271	25.38	23.48	0.2228
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	135@67	23.94	22.04	0.1600
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.72	21.82	0.1521
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@271	23.86	21.96	0.1570
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	135@67	21.97	20.07	0.1016
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.6	19.7	0.0933
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@271	21.74	19.84	0.0964
77	30	100	650000	3750	CP-OFDM QPSK	137@68	24.71	22.81	0.1910
77	30	100	650000	3750	CP-OFDM QPSK	1@1	24.48	22.58	0.1811
77	30	100	650000	3750	CP-OFDM QPSK	1@271	24.7	22.8	0.1905

77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	135@67	26.37	24.47	0.2799
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	26.36	24.46	0.2793
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@271	25.97	24.07	0.2553
77	30	100	656000	3840	DFT-s-OFDM QPSK	135@67	26.45	24.55	0.2851
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@1	26.41	24.51	0.2825
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@271	25.91	24.01	0.2518
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	135@67	25.46	23.56	0.2270
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.45	23.55	0.2265
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@271	25.06	23.16	0.2070
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	135@67	24.09	22.19	0.1656
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	1@1	23.96	22.06	0.1607
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	1@271	23.57	21.67	0.1469
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	135@67	22.13	20.23	0.1054
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	1@1	21.76	19.86	0.0968
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	1@271	21.44	19.54	0.0899
77	30	100	656000	3840	CP-OFDM QPSK	137@68	24.91	23.01	0.2000
77	30	100	656000	3840	CP-OFDM QPSK	1@1	24.81	22.91	0.1954
77	30	100	656000	3840	CP-OFDM QPSK	1@271	24.35	22.45	0.1758
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	135@67	26.07	24.17	0.2612
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@1	26.34	24.44	0.2780
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@271	26.1	24.2	0.2630
77	30	100	662000	3930	DFT-s-OFDM QPSK	135@67	26.07	24.17	0.2612
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@1	26.41	24.51	0.2825
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@271	26.15	24.25	0.2661
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	135@67	25.1	23.2	0.2089
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	1@1	25.44	23.54	0.2259
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	1@271	25.13	23.23	0.2104
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	135@67	23.72	21.82	0.1521
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	1@1	24.04	22.14	0.1637
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	1@271	23.66	21.76	0.1500
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	135@67	21.77	19.87	0.0971
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	1@1	21.87	19.97	0.0993
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	1@271	21.54	19.64	0.0920
77	30	100	662000	3930	CP-OFDM QPSK	137@68	24.55	22.65	0.1841
77	30	100	662000	3930	CP-OFDM QPSK	1@1	24.86	22.96	0.1977
77	30	100	662000	3930	CP-OFDM QPSK	1@271	24.6	22.7	0.1862

Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	18.7	**PASS**	NV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	17.6	**PASS**	LV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	16.8	**PASS**	HV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	12.3	**PASS**	-30℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	14.8	**PASS**	-20℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	13.6	**PASS**	-10℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	15.9	**PASS**	0℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	11.7	**PASS**	10℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	18.7	**PASS**	20℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	19.5	**PASS**	30℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	17.2	**PASS**	40℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	13.8	**PASS**	50℃

$|MAX(\triangle f)| = 19.5$ Hz

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - |MAX(\triangle f)|$	3700.899081	$\geqq$ 3700 MHz	PASS
$f_H + |MAX(\triangle f)|$	3978.78122	$\leqq$ 3980 MHz	

Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	50@0	3.68	13	**PASS**
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	4.86	13	**PASS**

N77(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH

N77(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH

Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
77	30	10	656000	3840.0	CP-OFDM QPSK	24@0	8.5792	9.338
77	30	10	656000	3840.0	CP-OFDM 16 QAM	24@0	8.5669	9.121
77	30	10	656000	3840.0	CP-OFDM 64 QAM	24@0	8.5839	9.169
77	30	10	656000	3840.0	CP-OFDM 256 QAM	24@0	8.5717	9.035
77	30	15	656000	3840.0	CP-OFDM QPSK	38@0	13.542	14.2
77	30	15	656000	3840.0	CP-OFDM 16 QAM	38@0	13.578	14.33
77	30	15	656000	3840.0	CP-OFDM 64 QAM	38@0	13.619	14.29
77	30	15	656000	3840.0	CP-OFDM 256 QAM	38@0	13.576	14.36
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	18.203	18.91
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	18.228	18.96
77	30	20	656000	3840.0	CP-OFDM 64 QAM	51@0	18.182	19.01
77	30	20	656000	3840.0	CP-OFDM 256 QAM	51@0	18.209	19.0
77	30	25	656000	3840.0	CP-OFDM QPSK	65@0	23.217	24.21
77	30	25	656000	3840.0	CP-OFDM 16 QAM	65@0	23.123	24.24
77	30	25	656000	3840.0	CP-OFDM 64 QAM	65@0	23.187	24.08
77	30	25	656000	3840.0	CP-OFDM 256 QAM	65@0	23.192	24.19
77	30	30	656000	3840.0	CP-OFDM QPSK	78@0	27.809	28.98
77	30	30	656000	3840.0	CP-OFDM 16 QAM	78@0	27.876	29.16
77	30	30	656000	3840.0	CP-OFDM 64 QAM	78@0	27.735	28.96
77	30	30	656000	3840.0	CP-OFDM 256 QAM	78@0	27.9	28.8
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	37.824	39.09
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	37.847	39.37
77	30	40	656000	3840.0	CP-OFDM 64 QAM	106@0	37.898	39.16
77	30	40	656000	3840.0	CP-OFDM 256 QAM	106@0	37.803	39.28
77	30	50	656000	3840.0	CP-OFDM QPSK	133@0	47.47	49.06
77	30	50	656000	3840.0	CP-OFDM 16 QAM	133@0	47.571	49.19
77	30	50	656000	3840.0	CP-OFDM 64 QAM	133@0	47.483	49.0
77	30	50	656000	3840.0	CP-OFDM 256 QAM	133@0	47.518	49.16
77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.702	59.68
77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	57.719	59.66

| 77	30	60	656000	3840.0	CP-OFDM 64 QAM	162@0	57.871	59.7
77	30	60	656000	3840.0	CP-OFDM 256 QAM	162@0	57.809	59.7
77	30	70	656000	3840.0	CP-OFDM QPSK	189@0	67.704	69.77
77	30	70	656000	3840.0	CP-OFDM 16 QAM	189@0	67.518	69.65
77	30	70	656000	3840.0	CP-OFDM 64 QAM	189@0	67.622	69.79
77	30	70	656000	3840.0	CP-OFDM 256 QAM	189@0	67.415	69.69
77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	77.519	79.88
77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	77.478	79.9
77	30	80	656000	3840.0	CP-OFDM 64 QAM	217@0	77.701	79.92
77	30	80	656000	3840.0	CP-OFDM 256 QAM	217@0	77.51	79.96
77	30	90	656000	3840.0	CP-OFDM QPSK	245@0	87.399	90.32
77	30	90	656000	3840.0	CP-OFDM 16 QAM	245@0	87.546	90.27
77	30	90	656000	3840.0	CP-OFDM 64 QAM	245@0	87.385	90.22
77	30	90	656000	3840.0	CP-OFDM 256 QAM	245@0	87.591	90.22
77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.496	100.6
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.423	100.5
77	30	100	656000	3840.0	CP-OFDM 64 QAM	273@0	97.549	100.6
77	30	100	656000	3840.0	CP-OFDM 256 QAM	273@0	97.334	100.5

N77(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(10M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N77(10M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH
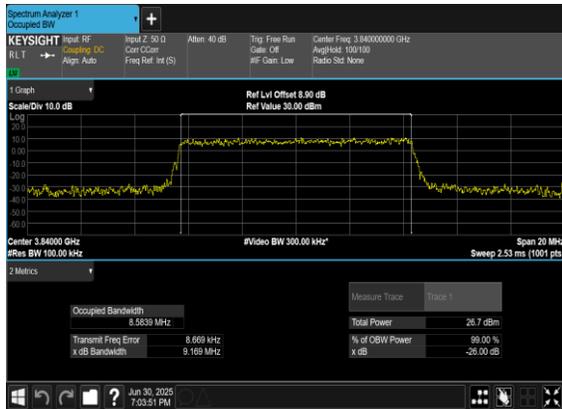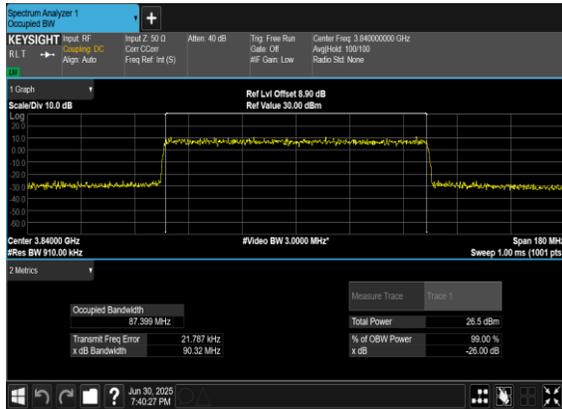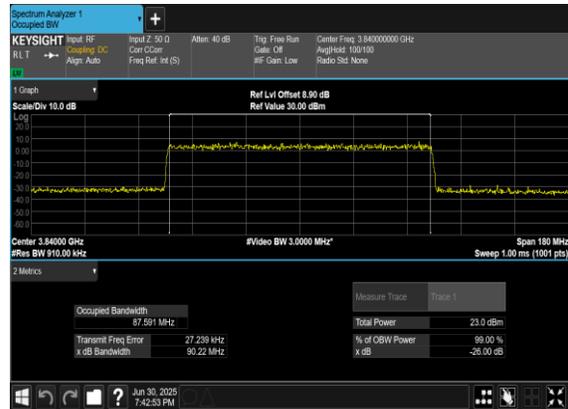

N77(10M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N77(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(15M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N77(15M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N77(15M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N77(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH
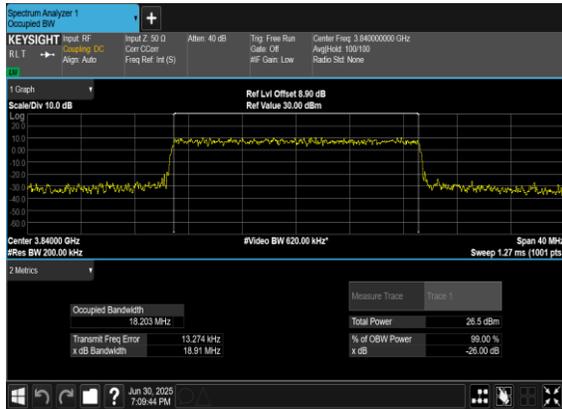
N77(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N77(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N77(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N77(25M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(25M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N77(25M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH
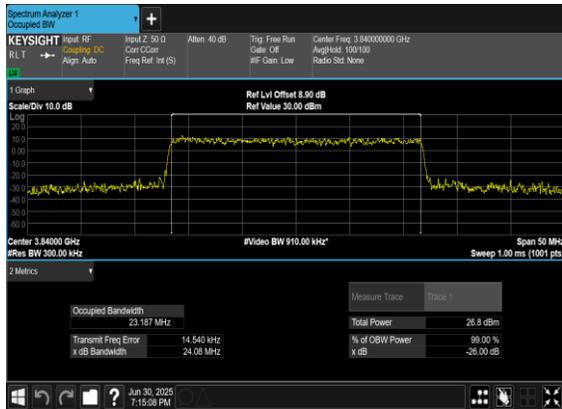
N77(25M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH
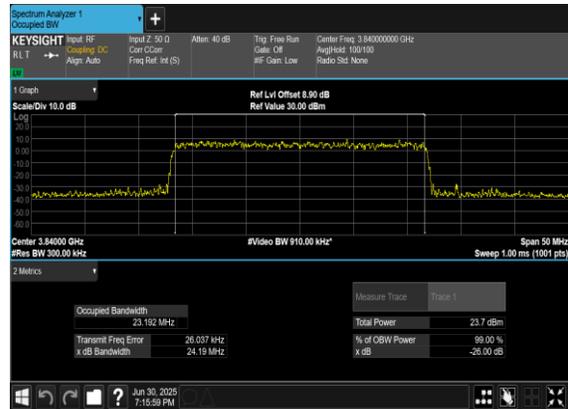
N77(30M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(30M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N77(30M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH
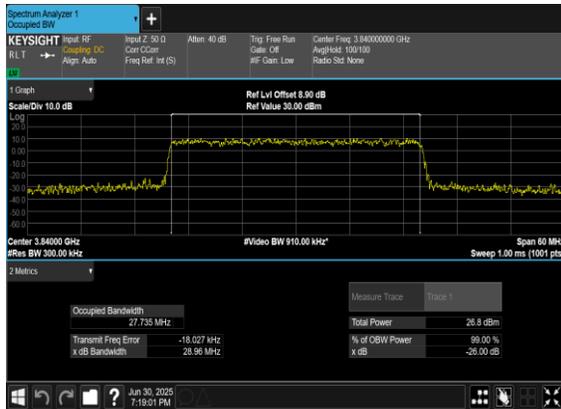
N77(30M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N77(40M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(40M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N77(40M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N77(40M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N77(50M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(50M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N77(50M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N77(50M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH
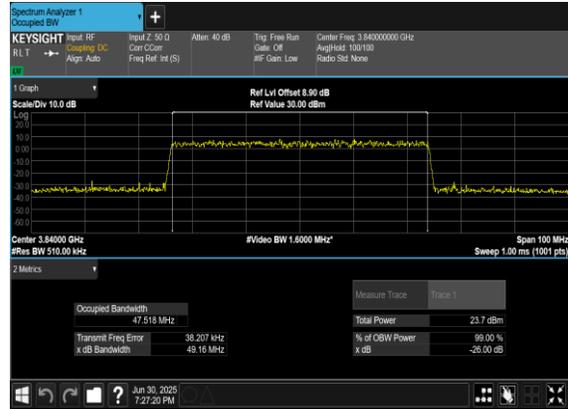
N77(60M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(60M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N77(60M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N77(60M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH
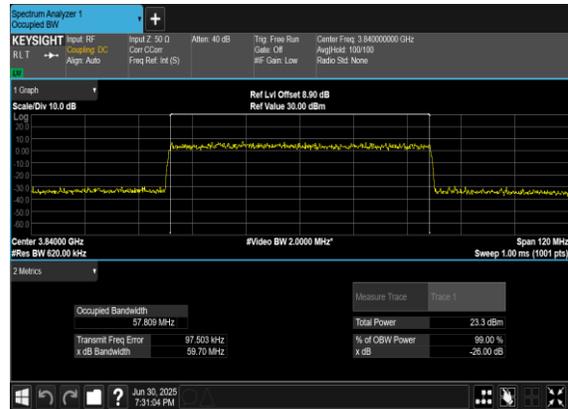
N77(70M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(70M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N77(70M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N77(70M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N77(80M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(80M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N77(80M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH
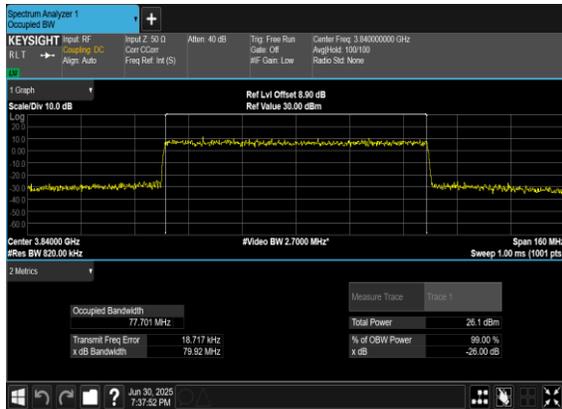
N77(80M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N77(90M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(90M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N77(90M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N77(90M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

N77(100M)_CP-OFDM_QPSK_Outer_Full_Mid_CH

N77(100M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH

N77(100M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH

N77(100M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	10	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	656000	3840.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	656000	3840.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	---
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	---
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH
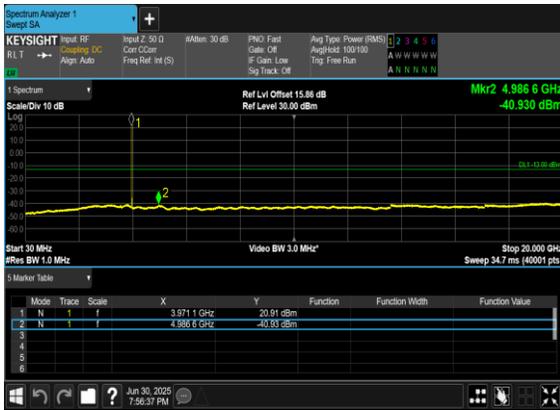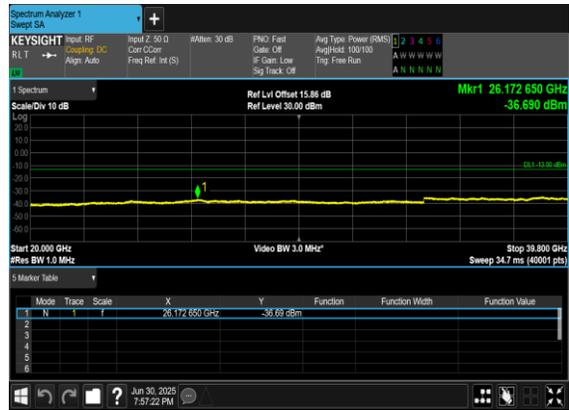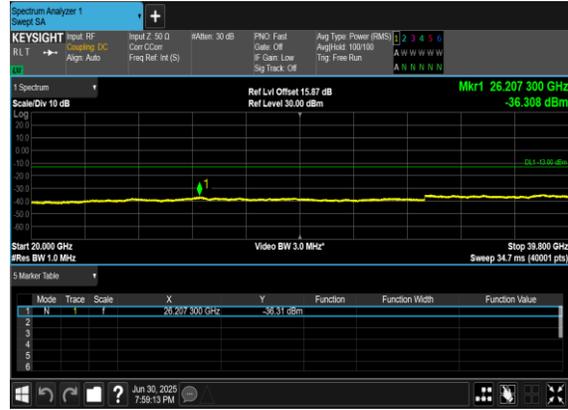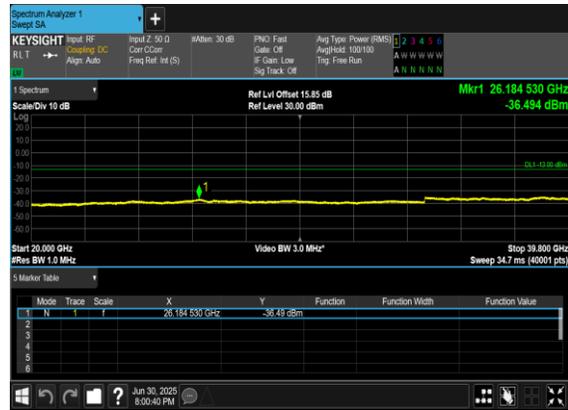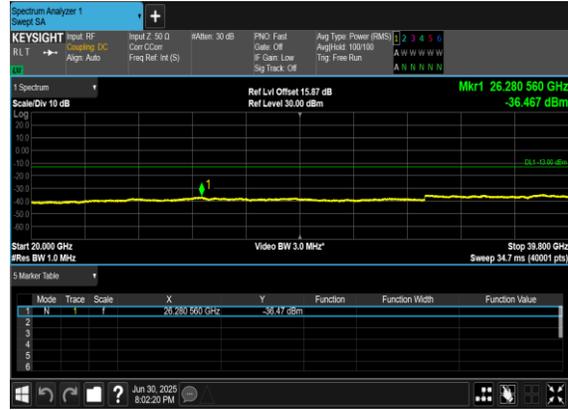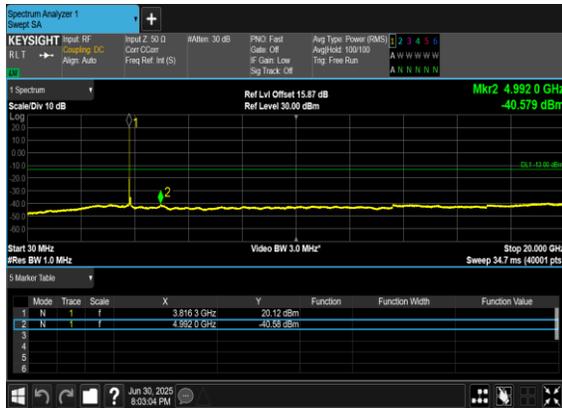

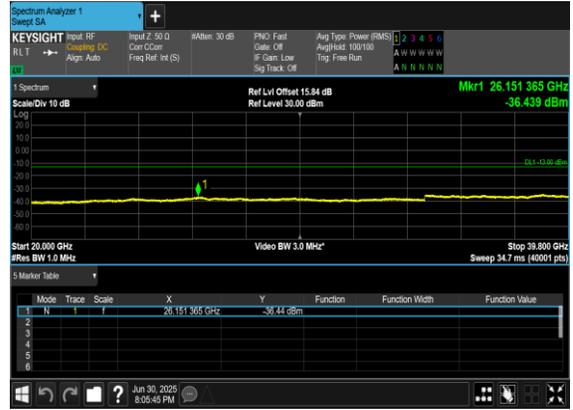### N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

N77(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

N77(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

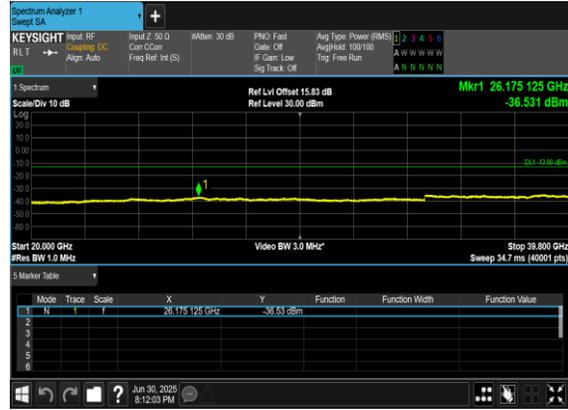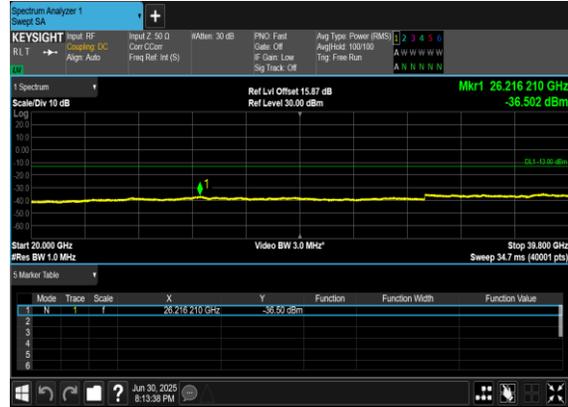### N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH

N77(50M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH

N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

N77(50M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_High_CH

N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH

N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

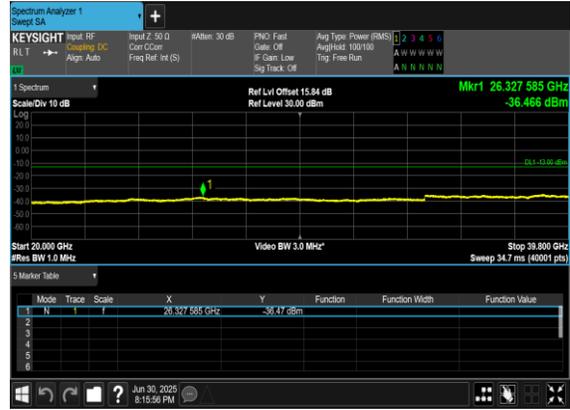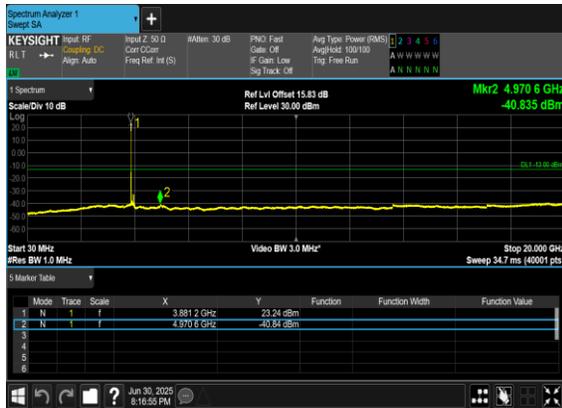### N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH

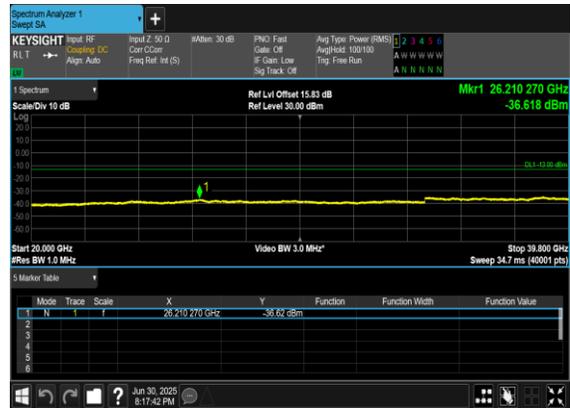### N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH

N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH

Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	24@0	see graph	**PASS**
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	24@0	see graph	**PASS**
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	1@23	see graph	**PASS**
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	1@23	see graph	**PASS**
77	30	10	665000	3975.0	DFT-s-OFDM BPSK	24@0	see graph	**PASS**
77	30	10	665000	3975.0	DFT-s-OFDM QPSK	24@0	see graph	**PASS**
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	50	648334	3725.01	DFT-s-OFDM BPSK	128@0	see graph	**PASS**
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	128@0	see graph	**PASS**
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	1@132	see graph	**PASS**
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@132	see graph	**PASS**
77	30	50	663666	3954.99	DFT-s-OFDM BPSK	128@0	see graph	**PASS**
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	128@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
77	30	100	650000	3750.0	DFT-s-OFDM QPSK	270@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	1@272	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	1@272	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM BPSK	270@0	see graph	**PASS**
77	30	100	662000	3930.0	DFT-s-OFDM QPSK	270@0	see graph	**PASS**