FCC RF Test Report

APPLICANT	: Xiaomi Communications Co., Ltd.
EQUIPMENT	: Mobile Phone
BRAND NAME	: POCO
MODEL NAME	: 2602BPC18G
FCC ID	: 2AFZZPC18G
STANDARD	: 47 CFR Part 27 Subpart O (3700-3980MHz)
CLASSIFICATION	: PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S)	: Dec. 04, 2025 ~ Dec 13, 2025

We, Sporton International Inc. (KunShan), 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. (KunShan), the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia

ACCREDITED Cert #5145.02

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People's Republic of China

TABLE OF CONTENTS

REVISION HISTORY **3**

SUMMARY OF TEST RESULT **4**

1 GENERAL DESCRIPTION **5**

1.1 Applicant 5
1.2 Manufacturer 5
1.3 Product Feature of Equipment Under Test 5
1.4 Product Specification of Equipment Under Test 6
1.5 Modification of EUT 6
1.6 Maximum EIRP and Emission Designator 7
1.7 Testing Location 8
1.8 Test Software 8
1.9 Applicable Standards 8

2 TEST CONFIGURATION OF EQUIPMENT UNDER TEST **9**

2.1 Test Mode 9
2.2 Connection Diagram of Test System 10
2.3 Support Unit used in test configuration and system 10
2.4 Measurement Results Explanation Example 10
2.5 Frequency List of Low/Middle/High Channels 11

3 CONDUCTED TEST ITEMS **13**

3.1 Measuring Instruments 13
3.2 Test Setup 13
3.3 Test Result of Conducted Test 13
3.4 Conducted Output Power and EIRP 14
3.5 Peak-to-Average Ratio 15
3.6 Occupied Bandwidth 16
3.7 Conducted Band Edge 17
3.8 Conducted Spurious Emission 18
3.9 Frequency Stability 19

4 RADIATED TEST ITEMS **20**

4.1 Measuring Instruments 20
4.2 Test Setup 20
4.3 Test Result of Radiated Test 21
4.4 Radiated Spurious Emission 22

5 LIST OF MEASURING EQUIPMENT **23**

6 MEASUREMENT UNCERTAINTY **24**

APPENDIX A. TEST RESULTS OF CONDUCTED TEST

APPENDIX B. TEST RESULTS OF RADIATED TEST

APPENDIX C. TEST SETUP PHOTOGRAPHS

REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG5N1302L	Rev. 01	Initial issue of report	Jan. 12, 2026

SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	-	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	-	PASS	-
3.7	§2.1051 §27.53(l)(2)	Conducted Band Edge Measurement (5G NR n77, n78)	< 43+10log10(P[Watts])	PASS	-
3.8	§2.1051 §27.53(l)(2)	Conducted Spurious Emission (5G NR n77, n78)	< 43+10log10(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 40.52 dB at 7584 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	POCO
Model Name	2602BPC18G
FCC ID	2AFZZPC18G
IMEI Code	Conducted : 860534080020743/860534080020750 Radiation : 860534080021162
HW Version	13510P10U
SW Version	Xiaomi HyperOS 3.0
EUT Stage	Identical Prototype

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. 1>** 5G NR n77: -0.18 dBi 5G NR n78: -0.18 dBi **<Ant. 2>** 5G NR n77: -2.70 dBi 5G NR n78: -2.70 dBi **<Ant. 3>** 5G NR n77: -3.00 dBi 5G NR n78: -3.00 dBi **<Ant. 6>** 5G NR n77: -4.63 dBi 5G NR n78: -5.00 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 EIRP is shown in the report, 5G NR n77/n78 for Antenna 2.
2. 5G NR support SA(n77/n78) and NSA(n78) mode. The whole testing has assessed SA mode for n77/n78 by referring to the higher conducted power for conducted test items.
3. The device supports HPUE 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		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	0.2065	8M56G7D	0.1702	8M57W7D
15	3705.52 ~ 3972.48	0.2037	13M6G7D	0.1679	13M6W7D
20	3710.01 ~ 3969.99	0.2051	18M2G7D	0.1644	18M2W7D
25	3712.50 ~ 3967.50	0.2037	23M2G7D	0.1614	23M2W7D
30	3715.02 ~ 3964.98	0.2056	27M8G7D	0.1611	27M8W7D
40	3720.00 ~ 3960.00	0.2028	37M8G7D	0.1607	37M9W7D
50	3725.01 ~ 3954.99	0.2014	47M3G7D	0.1637	47M5W7D
60	3730.02 ~ 3949.98	0.2004	57M8G7D	0.1652	57M8W7D
70	3735.00 ~ 3945.00	0.2128	67M4G7D	0.1667	67M3W7D
80	3740.01 ~ 3939.99	0.2123	77M4G7D	0.1694	77M3W7D
90	3745.02 ~ 3934.98	0.2080	87M3G7D	0.1722	87M3W7D
100	3750.00 ~ 3930.00	0.2099	97M4G7D	0.1629	97M2W7D

5G NR n78 SA		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	0.2965	8M57G7D	0.2432	8M56W7D
15	3707.52 ~ 3792.48	0.2891	13M6G7D	0.2296	13M6W7D
20	3710.01 ~ 3789.99	0.2858	18M2G7D	0.2317	18M2W7D
25	3712.50 ~ 3787.50	0.2793	23M2G7D	0.2218	23M2W7D
30	3715.02 ~ 3784.98	0.2818	27M7G7D	0.2228	27M8W7D
40	3720.00 ~ 3780.00	0.2831	37M8G7D	0.2291	37M8W7D
50	3725.01 ~ 3774.99	0.2831	47M4G7D	0.2280	47M5W7D
60	3730.02 ~ 3769.98	0.2793	57M8G7D	0.2328	57M7W7D
70	3735.00 ~ 3765.00	0.2897	67M4G7D	0.2377	67M4W7D
80	3740.01 ~ 3759.99	0.2897	77M4G7D	0.2270	77M5W7D
90	3745.02 ~ 3754.98	0.2838	87M4G7D	0.2234	87M2W7D
100	3750.00 ~ 3750.00	0.3006	97M4G7D	0.2143	97M4W7D

Note: 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. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	**Sporton Site No.**	**FCC Designation No.**	**FCC Test Firm Registration No.**
	03CH04-KS TH01-KS	CN1257	314309

1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	TH01-KS	Tonscend	JS1120-3 test system China_210602	3.3.10
2.	03CH04-KS	AUDIX	E3	210616

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 27O
- 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.

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.

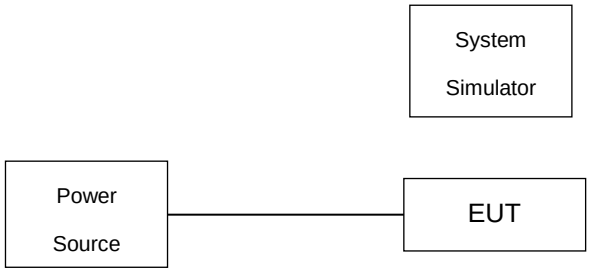
For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (Z plane) were recorded in this report.

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	16QAM	64QAM	256 QAM	1	Partial	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	v
	n78	v	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		v	
	n78			v										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	
	n78	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
	n78	v						v					v	v	v				v		v	v		v
Conducted Spurious Emission	n77	v						v					v	v					v			v	v	v
	n78	v						v					v	v					v			v	v	v
Frequency Stability	n77			v											v						v		v	
	n78			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	v
	n78	v	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 = 3.80V; Low Voltage =3.60V; High Voltage =4.20V.																							

2.2 Connection Diagram of Test System



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 and attenuator factor 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 and attenuator factor.

Offset = RF cable loss + attenuator factor.

Following shows an offset computation example with cable loss 2.5 dB and 20dB attenuator.

Example :

Offset(dB) = RF cable loss(dB) + attenuator factor(dB).

= 2.5 + 20 = 22.5 (dB)

2.5 Frequency List of Low/Middle/High Channels

5G n77 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

5G n78 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

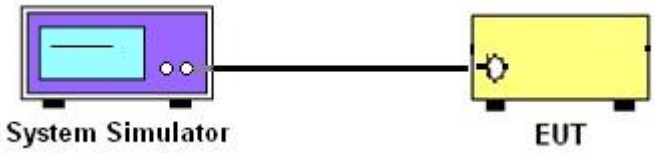
3 Conducted Test Items

3.1 Measuring Instruments

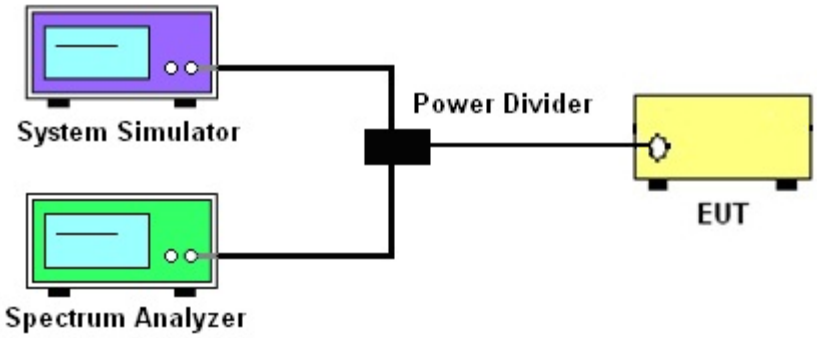
See list of measuring instruments of this test report.

3.2 Test Setup

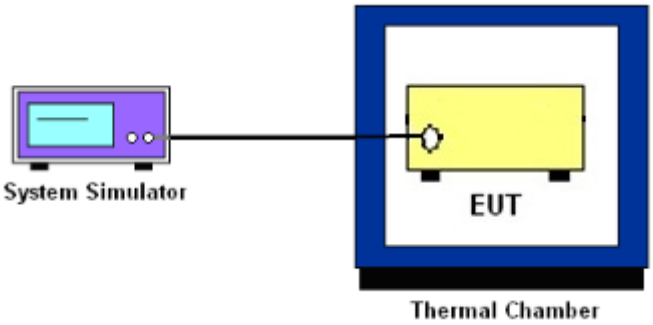
3.2.1 Conducted Output Power



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.

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.

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.

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 10^{th} 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 + 10log(P)] (dB)
    = [30 + 10log(P)] (dBm) - [43 + 10log(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.

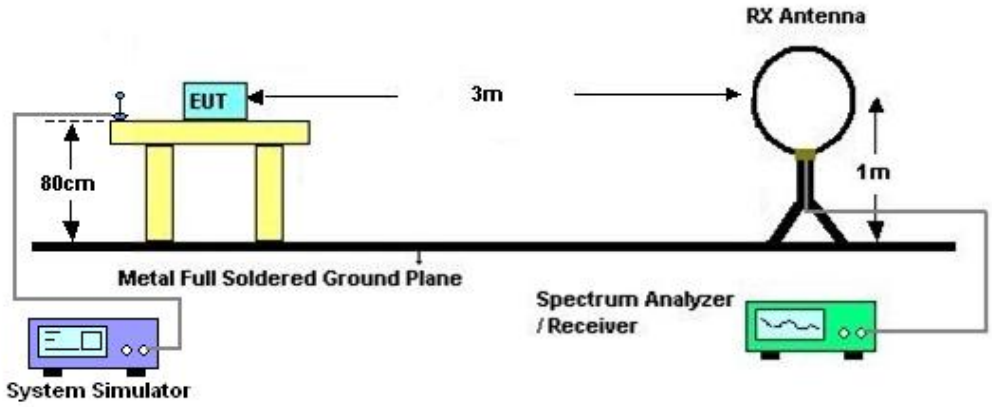
4 Radiated Test Items

4.1 Measuring Instruments

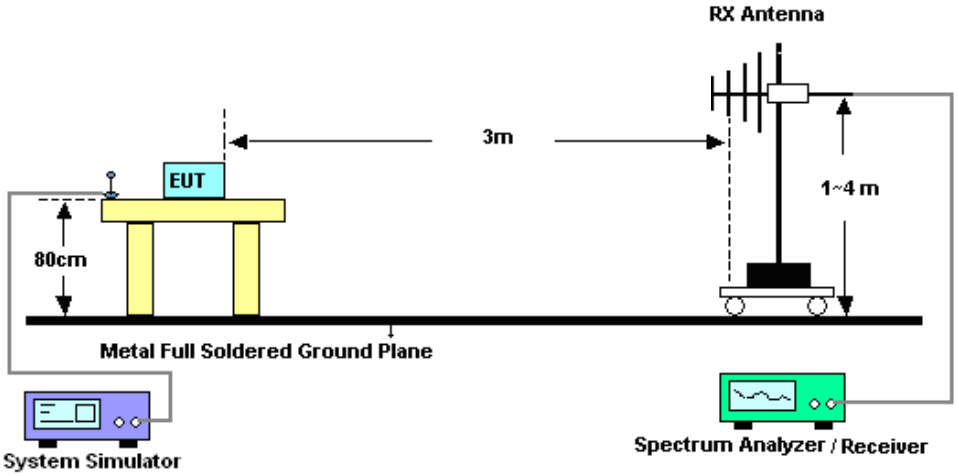
See list of measuring instruments of this test report.

4.2 Test Setup

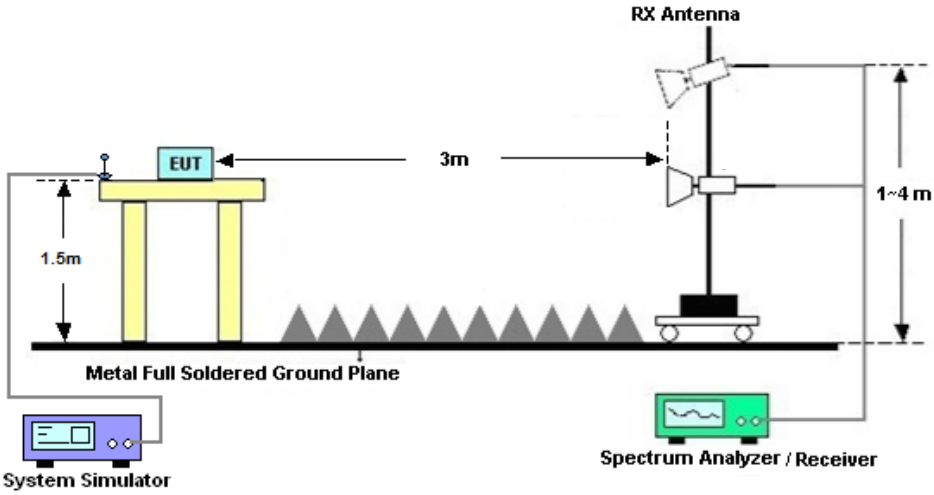
4.2.1 For radiated test below 30MHz



4.2.2 For radiated test from 30MHz to 1GHz



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	Keysight	N9038A	MY56400004	3Hz~8.5GHz;Max 30dBm	Oct. 10, 2025	Dec. 13, 2025	Oct. 09, 2026	Radiation (03CH04-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55370528	10Hz-44G,MAX 30dB	Oct. 10, 2025	Dec. 13, 2025	Oct. 09, 2026	Radiation (03CH04-KS)
Active loop antenna	R&S	HFH2-Z2E	101125	9kHz~30MHz	Aug. 10, 2025	Dec. 13, 2025	Aug. 09, 2026	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	44483	30MHz-1GHz	Nov. 22, 2025	Dec. 13, 2025	Nov. 21, 2026	Radiation (03CH04-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00227860	1GHz~18GHz	Aug. 22, 2025	Dec. 13, 2025	Aug. 21, 2026	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 11, 2025	Dec. 13, 2025	Jan. 10, 2026	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	380826	9KHz-1GHz	Jul. 02, 2025	Dec. 13, 2025	Jul. 01, 2026	Radiation (03CH04-KS)
Amplifier	EM	EM18G40GA	060852	18~40GHz	Jan. 03, 2025	Dec. 13, 2025	Jan. 02, 2026	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18GA	060890	1Ghz-18Ghz	May 23, 2025	Dec. 13, 2025	May 22, 2026	Radiation (03CH04-KS)
Amplifier	EM	EM01G18GA	060892	1Ghz-18Ghz	Oct. 11, 2025	Dec. 13, 2025	Oct. 10, 2026	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Dec. 13, 2025	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Dec. 13, 2025	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Dec. 13, 2025	NCR	Radiation (03CH04-KS)
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Jul. 07, 2025	Dec. 04, 2025~ Dec. 05, 2025	Jul. 06, 2026	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	Dec. 04, 2025~ Dec. 05, 2025	NCR	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 02, 2025	Dec. 04, 2025~ Dec. 05, 2025	Jul. 01, 2026	Conducted (TH01-KS)

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

Conducted Spurious Emission & Bandedge	**±2.00 dB**
Occupied Channel Bandwidth	**±0.384%**
Conducted Power	**±0.90 dB**
Peak to Average Ratio	**±0.90 dB**
Frequency Stability	**±0.38 ppm**

Uncertainty of Radiated Emission Measurement (9 KHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.83 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.83 dB**

Uncertainty of Radiated Emission Measurement (1 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**2.82 dB**

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

Appendix A. Test Results of Conducted Test

Test Engineer :	Smile Wang	**Temperature :**	22~23℃
		Relative Humidity :	40~42%

FR1 N77_ANT2

Transmitter Conducted Output Power And EIRP, (G_T - L_C)= -2.7dB

NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	10	647000	3705	DFT-s-OFDM PI/2 BPSK	1@1	25.69	22.99	0.1991
77	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	25.71	23.01	0.2000
77	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	24.98	22.28	0.1690
77	30	10	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	25.76	23.06	0.2023
77	30	10	656000	3840	DFT-s-OFDM QPSK	1@1	25.85	23.15	0.2065
77	30	10	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.01	22.31	0.1702
77	30	10	665000	3975	DFT-s-OFDM PI/2 BPSK	1@1	25.61	22.91	0.1954
77	30	10	665000	3975	DFT-s-OFDM QPSK	1@1	25.79	23.09	0.2037
77	30	10	665000	3975	DFT-s-OFDM 16 QAM	1@1	24.85	22.15	0.1641
77	30	15	647168	3707.52	DFT-s-OFDM PI/2 BPSK	1@1	25.63	22.93	0.1963
77	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	25.71	23.01	0.2000
77	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	24.55	21.85	0.1531
77	30	15	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	25.77	23.07	0.2028
77	30	15	656000	3840	DFT-s-OFDM QPSK	1@1	25.79	23.09	0.2037
77	30	15	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.95	22.25	0.1679
77	30	15	664832	3972.48	DFT-s-OFDM PI/2 BPSK	1@1	25.61	22.91	0.1954
77	30	15	664832	3972.48	DFT-s-OFDM QPSK	1@1	25.62	22.92	0.1959
77	30	15	664832	3972.48	DFT-s-OFDM 16 QAM	1@1	24.56	21.86	0.1535
77	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@1	25.65	22.95	0.1972
77	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	25.77	23.07	0.2028
77	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	24.86	22.16	0.1644
77	30	20	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	25.82	23.12	0.2051
77	30	20	656000	3840	DFT-s-OFDM QPSK	1@1	25.75	23.05	0.2018
77	30	20	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.80	22.10	0.1622
77	30	20	664666	3969.99	DFT-s-OFDM PI/2 BPSK	1@1	25.65	22.95	0.1972
77	30	20	664666	3969.99	DFT-s-OFDM QPSK	1@1	25.59	22.89	0.1945
77	30	20	664666	3969.99	DFT-s-OFDM 16 QAM	1@1	24.65	21.95	0.1567
77	30	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@1	25.65	22.95	0.1972
77	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	25.71	23.01	0.2000
77	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	24.75	22.05	0.1603
77	30	25	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	25.78	23.08	0.2032
77	30	25	656000	3840	DFT-s-OFDM QPSK	1@1	25.79	23.09	0.2037
77	30	25	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.70	22.00	0.1585
77	30	25	664500	3967.5	DFT-s-OFDM PI/2 BPSK	1@1	25.59	22.89	0.1945

NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	25	664500	3967.5	DFT-s-OFDM QPSK	1@1	25.61	22.91	0.1954
77	30	25	664500	3967.5	DFT-s-OFDM 16 QAM	1@1	24.78	22.08	0.1614
77	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@1	25.70	23.00	0.1995
77	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	25.72	23.02	0.2004
77	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	24.77	22.07	0.1611
77	30	30	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	25.81	23.11	0.2046
77	30	30	656000	3840	DFT-s-OFDM QPSK	1@1	25.83	23.13	0.2056
77	30	30	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.76	22.06	0.1607
77	30	30	664332	3964.98	DFT-s-OFDM PI/2 BPSK	1@1	25.51	22.81	0.1910
77	30	30	664332	3964.98	DFT-s-OFDM QPSK	1@1	25.61	22.91	0.1954
77	30	30	664332	3964.98	DFT-s-OFDM 16 QAM	1@1	24.61	21.91	0.1552
77	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@1	25.71	23.01	0.2000
77	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	25.72	23.02	0.2004
77	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	24.76	22.06	0.1607
77	30	40	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	25.75	23.05	0.2018
77	30	40	656000	3840	DFT-s-OFDM QPSK	1@1	25.77	23.07	0.2028
77	30	40	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.68	21.98	0.1578
77	30	40	664000	3960	DFT-s-OFDM PI/2 BPSK	1@1	25.57	22.87	0.1936
77	30	40	664000	3960	DFT-s-OFDM QPSK	1@1	25.63	22.93	0.1963
77	30	40	664000	3960	DFT-s-OFDM 16 QAM	1@1	24.43	21.73	0.1489
77	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@1	25.62	22.92	0.1959
77	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	25.70	23.00	0.1995
77	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	24.84	22.14	0.1637
77	30	50	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	25.70	23.00	0.1995
77	30	50	656000	3840	DFT-s-OFDM QPSK	1@1	25.74	23.04	0.2014
77	30	50	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.61	21.91	0.1552
77	30	50	663666	3954.99	DFT-s-OFDM PI/2 BPSK	1@1	25.57	22.87	0.1936
77	30	50	663666	3954.99	DFT-s-OFDM QPSK	1@1	25.55	22.85	0.1928
77	30	50	663666	3954.99	DFT-s-OFDM 16 QAM	1@1	24.49	21.79	0.1510
77	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@1	25.59	22.89	0.1945
77	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	25.58	22.88	0.1941
77	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	24.67	21.97	0.1574
77	30	60	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	25.69	22.99	0.1991
77	30	60	656000	3840	DFT-s-OFDM QPSK	1@1	25.72	23.02	0.2004
77	30	60	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.88	22.18	0.1652
77	30	60	663332	3949.98	DFT-s-OFDM PI/2 BPSK	1@1	25.57	22.87	0.1936
77	30	60	663332	3949.98	DFT-s-OFDM QPSK	1@1	25.61	22.91	0.1954
77	30	60	663332	3949.98	DFT-s-OFDM 16 QAM	1@1	24.61	21.91	0.1552

NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@1	25.68	22.98	0.1986
77	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	25.78	23.08	0.2032
77	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	24.84	22.14	0.1637
77	30	70	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	25.85	23.15	0.2065
77	30	70	656000	3840	DFT-s-OFDM QPSK	1@1	25.87	23.17	0.2075
77	30	70	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.81	22.11	0.1626
77	30	70	663000	3945	DFT-s-OFDM PI/2 BPSK	1@1	25.86	23.16	0.2070
77	30	70	663000	3945	DFT-s-OFDM QPSK	1@1	25.98	23.28	0.2128
77	30	70	663000	3945	DFT-s-OFDM 16 QAM	1@1	24.92	22.22	0.1667
77	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@1	25.77	23.07	0.2028
77	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	25.88	23.18	0.2080
77	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	24.83	22.13	0.1633
77	30	80	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	25.97	23.27	0.2123
77	30	80	656000	3840	DFT-s-OFDM QPSK	1@1	25.92	23.22	0.2099
77	30	80	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.99	22.29	0.1694
77	30	80	662666	3939.99	DFT-s-OFDM PI/2 BPSK	1@1	25.90	23.20	0.2089
77	30	80	662666	3939.99	DFT-s-OFDM QPSK	1@1	25.96	23.26	0.2118
77	30	80	662666	3939.99	DFT-s-OFDM 16 QAM	1@1	24.95	22.25	0.1679
77	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@1	25.73	23.03	0.2009
77	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	25.75	23.05	0.2018
77	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	24.84	22.14	0.1637
77	30	90	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	25.77	23.07	0.2028
77	30	90	656000	3840	DFT-s-OFDM QPSK	1@1	25.88	23.18	0.2080
77	30	90	656000	3840	DFT-s-OFDM 16 QAM	1@1	25.06	22.36	0.1722
77	30	90	662332	3934.98	DFT-s-OFDM PI/2 BPSK	1@1	25.87	23.17	0.2075
77	30	90	662332	3934.98	DFT-s-OFDM QPSK	1@1	25.81	23.11	0.2046
77	30	90	662332	3934.98	DFT-s-OFDM 16 QAM	1@1	25.03	22.33	0.1710
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	25.70	23.00	0.1995
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@0	22.13	19.43	0.0877
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	25.76	23.06	0.2023
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	2@0	22.25	19.55	0.0902
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	25.83	23.13	0.2056
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	2@271	22.39	19.69	0.0931
77	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	270@0	25.34	22.64	0.1837
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	25.73	23.03	0.2009
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@0	22.16	19.46	0.0883
77	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	25.69	22.99	0.1991
77	30	100	650000	3750	DFT-s-OFDM QPSK	2@0	22.21	19.51	0.0893

NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	25.84	23.14	0.2061
77	30	100	650000	3750	DFT-s-OFDM QPSK	2@271	22.35	19.65	0.0923
77	30	100	650000	3750	DFT-s-OFDM QPSK	270@0	24.83	22.13	0.1633
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	24.56	21.86	0.1535
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	23.38	20.68	0.1169
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	21.10	18.40	0.0692
77	30	100	650000	3750	DFT-s-OFDM 16 QAM	270@0	23.79	21.09	0.1285
77	30	100	650000	3750	DFT-s-OFDM 64 QAM	270@0	23.32	20.62	0.1153
77	30	100	650000	3750	DFT-s-OFDM 256 QAM	270@0	21.29	18.59	0.0723
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@1	25.74	23.04	0.2014
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@0	22.22	19.52	0.0895
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	1@271	25.64	22.94	0.1968
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	2@0	22.31	19.61	0.0914
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	135@67	25.91	23.21	0.2094
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	2@271	22.13	19.43	0.0877
77	30	100	656000	3840	DFT-s-OFDM PI/2 BPSK	270@0	25.37	22.67	0.1849
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@1	25.87	23.17	0.2075
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@0	22.41	19.71	0.0935
77	30	100	656000	3840	DFT-s-OFDM QPSK	1@271	25.76	23.06	0.2023
77	30	100	656000	3840	DFT-s-OFDM QPSK	2@0	22.34	19.64	0.0920
77	30	100	656000	3840	DFT-s-OFDM QPSK	135@67	25.92	23.22	0.2099
77	30	100	656000	3840	DFT-s-OFDM QPSK	2@271	22.28	19.58	0.0908
77	30	100	656000	3840	DFT-s-OFDM QPSK	270@0	24.83	22.13	0.1633
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	1@1	24.82	22.12	0.1629
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	1@1	23.60	20.90	0.1230
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	1@1	21.29	18.59	0.0723
77	30	100	656000	3840	DFT-s-OFDM 16 QAM	270@0	23.82	21.12	0.1294
77	30	100	656000	3840	DFT-s-OFDM 64 QAM	270@0	23.37	20.67	0.1167
77	30	100	656000	3840	DFT-s-OFDM 256 QAM	270@0	21.36	18.66	0.0735
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@1	25.75	23.05	0.2018
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@0	22.16	19.46	0.0883
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	1@271	25.60	22.90	0.1950
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	2@0	22.29	19.59	0.0910
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	135@67	25.89	23.19	0.2084
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	2@271	22.32	19.62	0.0916
77	30	100	662000	3930	DFT-s-OFDM PI/2 BPSK	270@0	25.31	22.61	0.1824
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@1	25.83	23.13	0.2056
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@0	22.17	19.47	0.0885

NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
77	30	100	662000	3930	DFT-s-OFDM QPSK	1@271	25.63	22.93	0.1963
77	30	100	662000	3930	DFT-s-OFDM QPSK	2@0	22.25	19.55	0.0902
77	30	100	662000	3930	DFT-s-OFDM QPSK	135@67	25.83	23.13	0.2056
77	30	100	662000	3930	DFT-s-OFDM QPSK	2@271	22.20	19.50	0.0891
77	30	100	662000	3930	DFT-s-OFDM QPSK	270@0	24.74	22.04	0.1600
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	1@1	24.76	22.06	0.1607
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	1@1	23.11	20.41	0.1099
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	1@1	21.15	18.45	0.0700
77	30	100	662000	3930	DFT-s-OFDM 16 QAM	270@0	23.79	21.09	0.1285
77	30	100	662000	3930	DFT-s-OFDM 64 QAM	270@0	23.33	20.63	0.1156
77	30	100	662000	3930	DFT-s-OFDM 256 QAM	270@0	21.28	18.58	0.0721

Frequency Stability

Test Result

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0158	**PASS**	NV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0176	**PASS**	LV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0034	**PASS**	HV
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0000	**PASS**	-30℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0128	**PASS**	-20℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0076	**PASS**	-10℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0089	**PASS**	0℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0078	**PASS**	10℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0052	**PASS**	20℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0176	**PASS**	30℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0138	**PASS**	40℃
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	0.0172	**PASS**	50℃

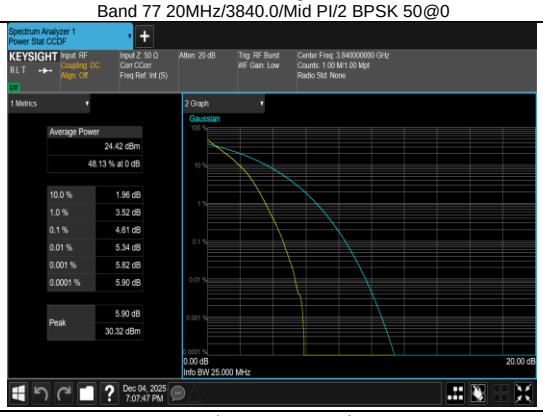
Peak to Average Ratio

Test Result

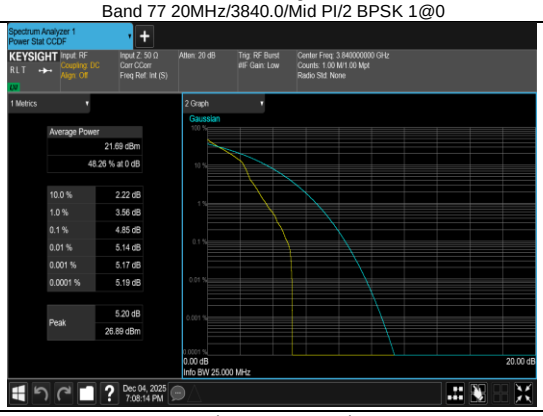
NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Result	Limit	Verdict
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	50@0	4.61	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM PI/2 BPSK	1@0	4.85	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	50@0	5.82	13	PASS
77	30	20	656000	3840.0	DFT-s-OFDM QPSK	1@0	5.72	13	PASS

Test Graphs

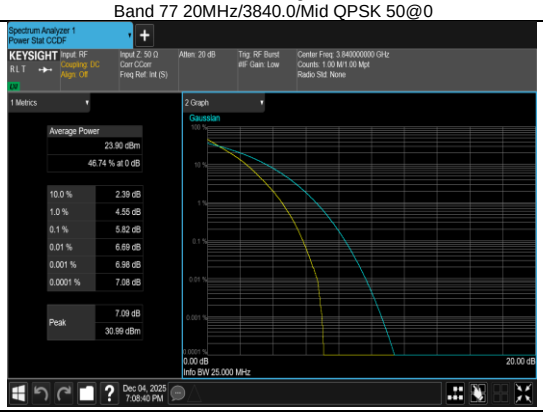
Peak-to-Average-Ratio
Band 77 20MHz/3840.0/Mid PI/2 BPSK 50@0



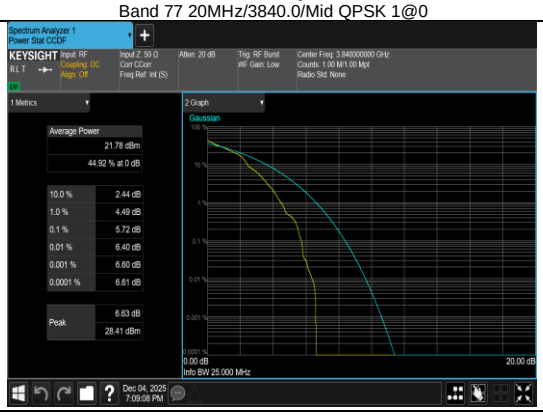
Peak-to-Average-Ratio
Band 77 20MHz/3840.0/Mid PI/2 BPSK 1@0



Peak-to-Average-Ratio
Band 77 20MHz/3840.0/Mid QPSK 50@0



Peak-to-Average-Ratio
Band 77 20MHz/3840.0/Mid QPSK 1@0

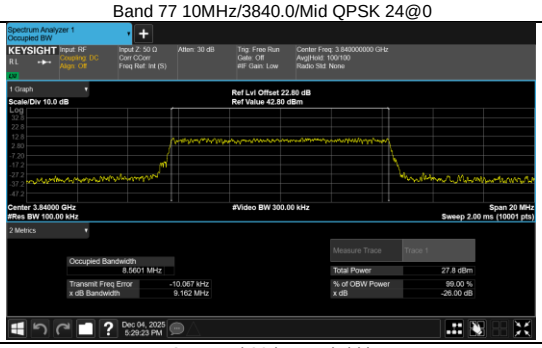
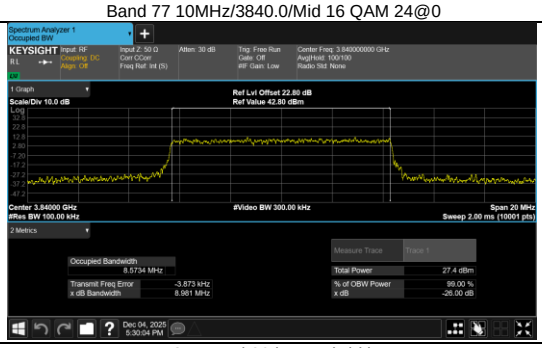
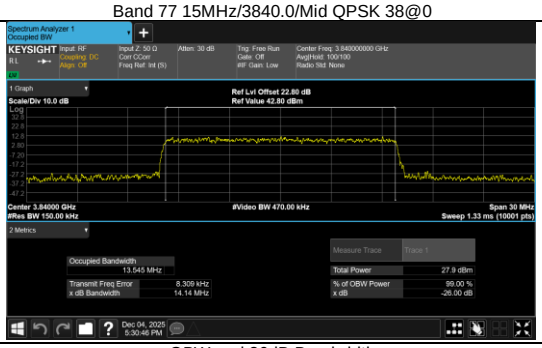
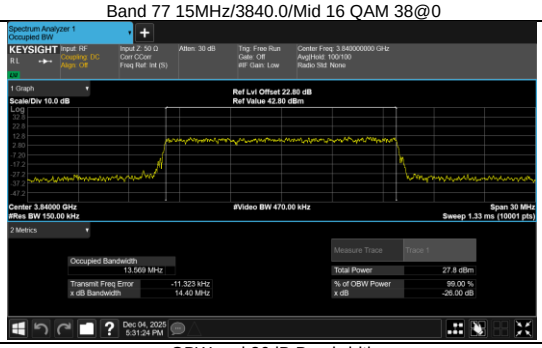
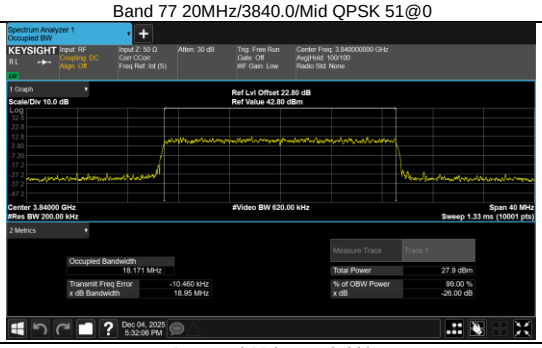
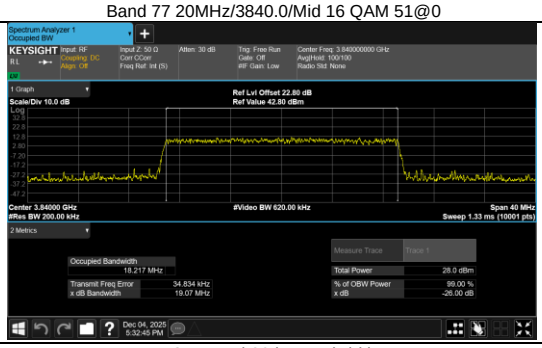
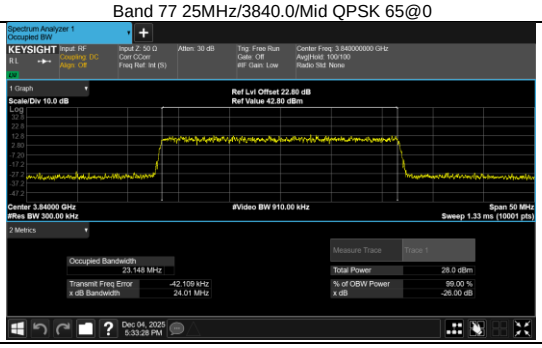
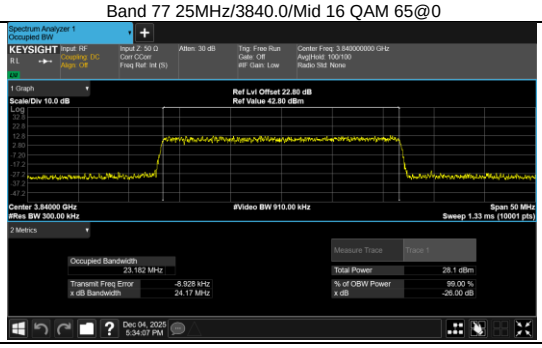


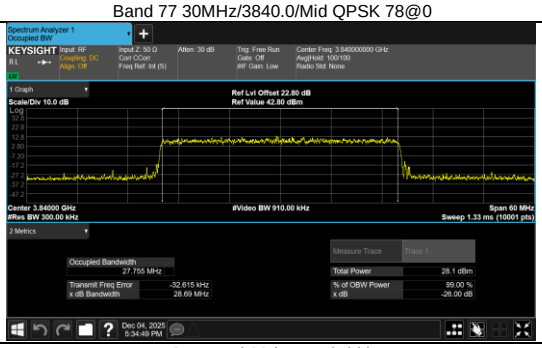
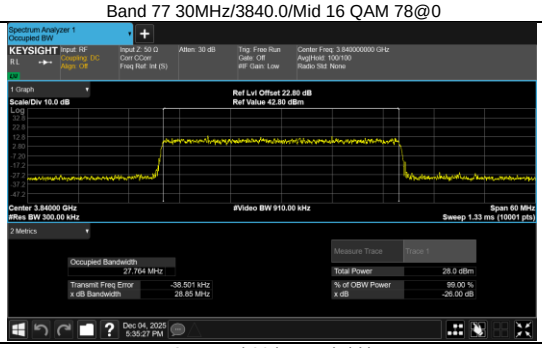
Occupied Bandwidth

Test Result

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	OBW(MHz)	26dB OBW(MHz)
77	30	10	656000	3840.0	CP-OFDM QPSK	24@0	8.56	9.162
77	30	10	656000	3840.0	CP-OFDM 16 QAM	24@0	8.57	8.981
77	30	15	656000	3840.0	CP-OFDM QPSK	38@0	13.55	14.14
77	30	15	656000	3840.0	CP-OFDM 16 QAM	38@0	13.57	14.4
77	30	20	656000	3840.0	CP-OFDM QPSK	51@0	18.17	18.95
77	30	20	656000	3840.0	CP-OFDM 16 QAM	51@0	18.22	19.07
77	30	25	656000	3840.0	CP-OFDM QPSK	65@0	23.15	24.01
77	30	25	656000	3840.0	CP-OFDM 16 QAM	65@0	23.18	24.17
77	30	30	656000	3840.0	CP-OFDM QPSK	78@0	27.75	28.69
77	30	30	656000	3840.0	CP-OFDM 16 QAM	78@0	27.76	28.85
77	30	40	656000	3840.0	CP-OFDM QPSK	106@0	37.76	39.36
77	30	40	656000	3840.0	CP-OFDM 16 QAM	106@0	37.86	39.14
77	30	50	656000	3840.0	CP-OFDM QPSK	133@0	47.31	49.04
77	30	50	656000	3840.0	CP-OFDM 16 QAM	133@0	47.46	49.0
77	30	60	656000	3840.0	CP-OFDM QPSK	162@0	57.82	59.66
77	30	60	656000	3840.0	CP-OFDM 16 QAM	162@0	57.75	59.54
77	30	70	656000	3840.0	CP-OFDM QPSK	189@0	67.42	69.52
77	30	70	656000	3840.0	CP-OFDM 16 QAM	189@0	67.32	69.55
77	30	80	656000	3840.0	CP-OFDM QPSK	217@0	77.38	79.78
77	30	80	656000	3840.0	CP-OFDM 16 QAM	217@0	77.34	79.75
77	30	90	656000	3840.0	CP-OFDM QPSK	245@0	87.32	90.12
77	30	90	656000	3840.0	CP-OFDM 16 QAM	245@0	87.25	89.94
77	30	100	656000	3840.0	CP-OFDM QPSK	273@0	97.35	100.4
77	30	100	656000	3840.0	CP-OFDM 16 QAM	273@0	97.19	100.2

Test Graphs

OBW and 26dB Bandwidth Band 77 10MHz/3840.0/Mid QPSK 24@0	OBW and 26dB Bandwidth Band 77 10MHz/3840.0/Mid 16 QAM 24@0
	
OBW and 26dB Bandwidth Band 77 15MHz/3840.0/Mid QPSK 38@0	OBW and 26dB Bandwidth Band 77 15MHz/3840.0/Mid 16 QAM 38@0
	
OBW and 26dB Bandwidth Band 77 20MHz/3840.0/Mid QPSK 51@0	OBW and 26dB Bandwidth Band 77 20MHz/3840.0/Mid 16 QAM 51@0
	
OBW and 26dB Bandwidth Band 77 25MHz/3840.0/Mid QPSK 65@0	OBW and 26dB Bandwidth Band 77 25MHz/3840.0/Mid 16 QAM 65@0
	

OBW and 26dB Bandwidth Band 77 30MHz/3840.0/Mid QPSK 78@0	OBW and 26dB Bandwidth Band 77 30MHz/3840.0/Mid 16 QAM 78@0
	
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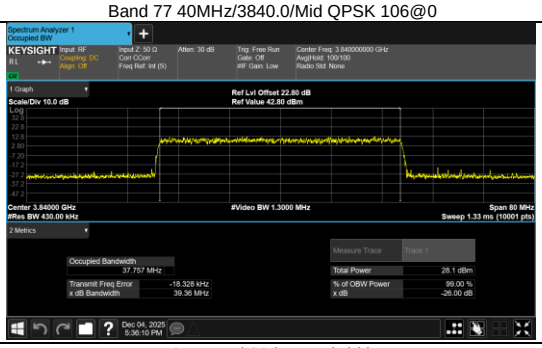	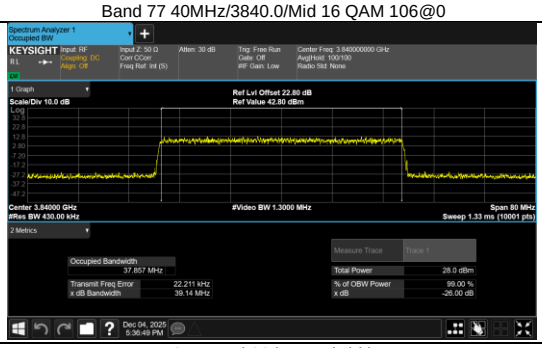
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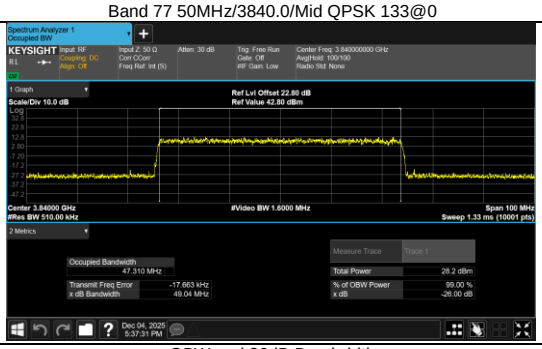	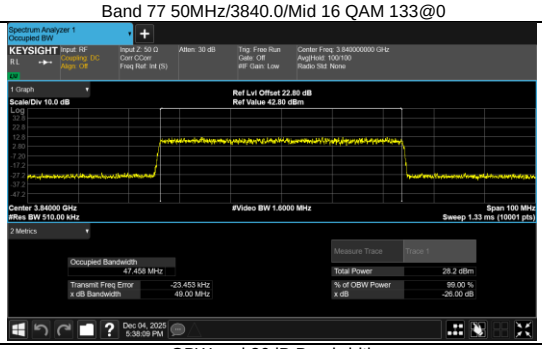
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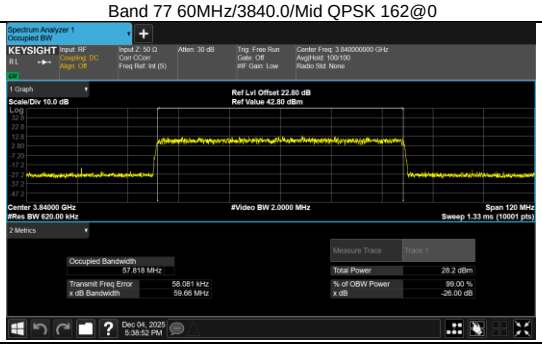
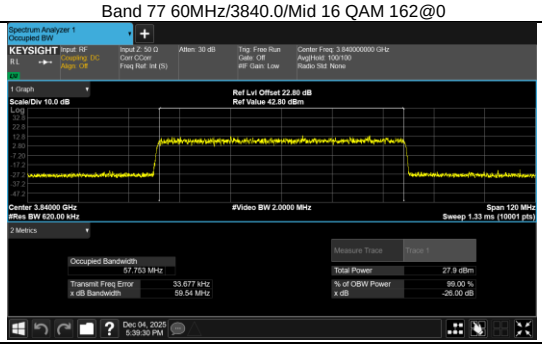
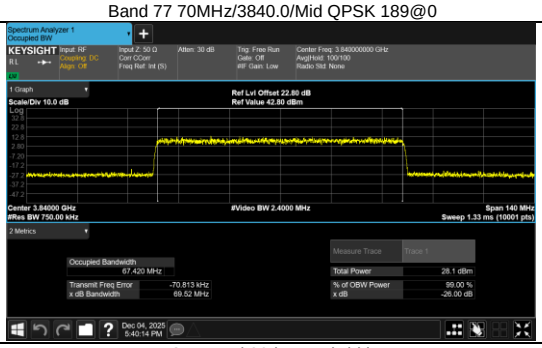
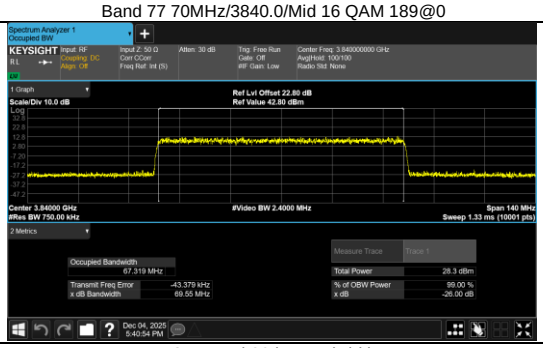
	

OBW and 26dB Bandwidth Band 77 70MHz/3840.0/Mid QPSK 189@0	OBW and 26dB Bandwidth Band 77 70MHz/3840.0/Mid 16 QAM 189@0
	
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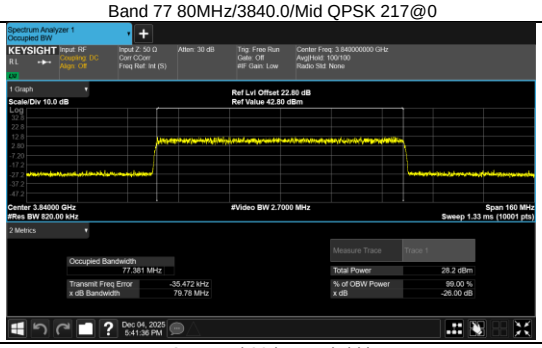
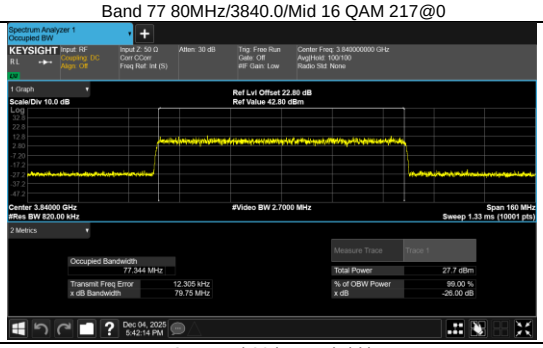
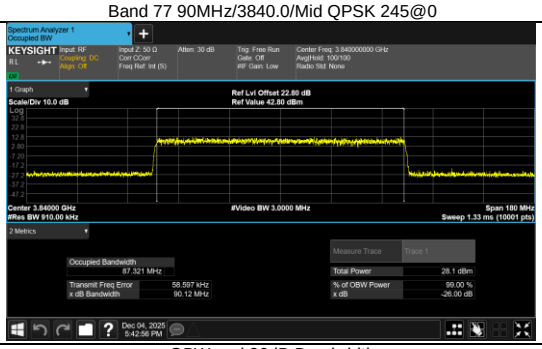
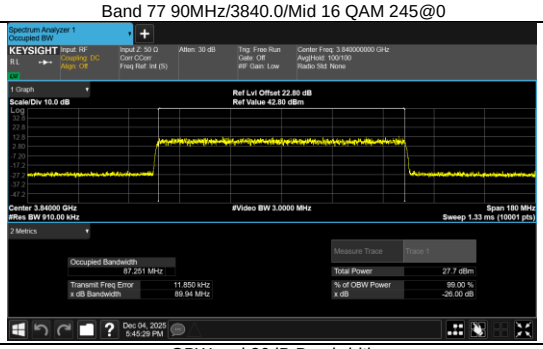
	
OBW and 26dB Bandwidth Band 77 90MHz/3840.0/Mid QPSK 245@0	OBW and 26dB Bandwidth Band 77 90MHz/3840.0/Mid 16 QAM 245@0
	
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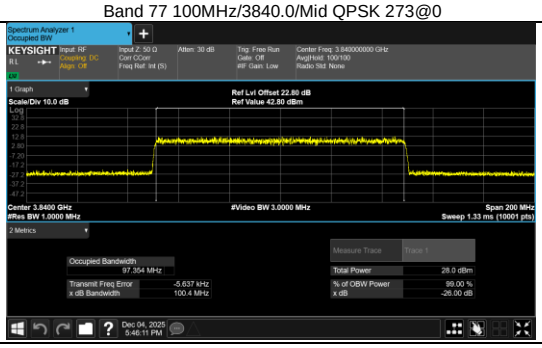
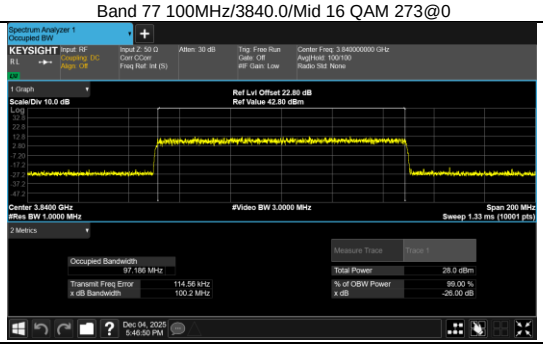
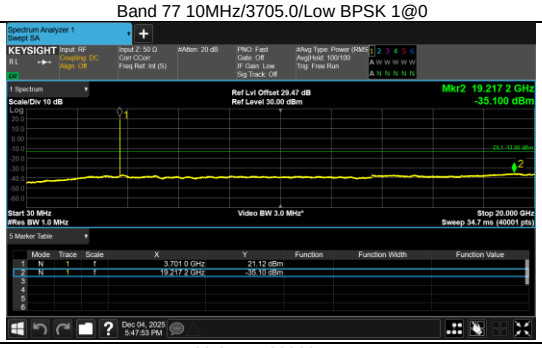
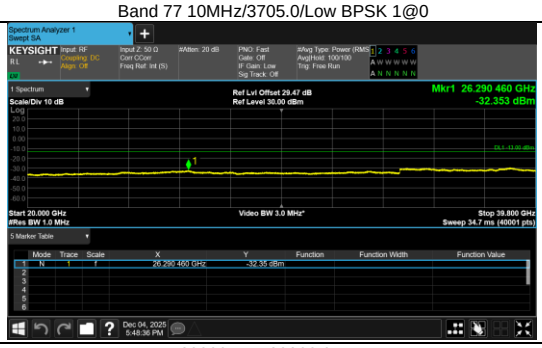
	

Conducted Spurious Emissions

Test Result

NR Band	SCS	BandWidth	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	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	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	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	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	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	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	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	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

Test Graphs

30.0MHz-20000MHz Band 77 10MHz/3705.0/Low BPSK 1@0	20000MHz-39800.0MHz Band 77 10MHz/3705.0/Low BPSK 1@0
	
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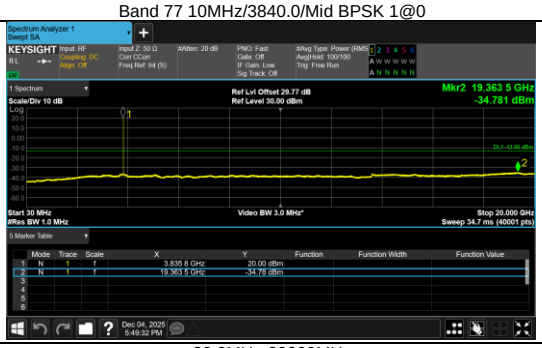	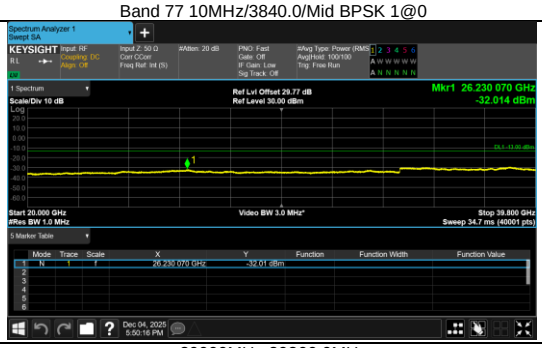
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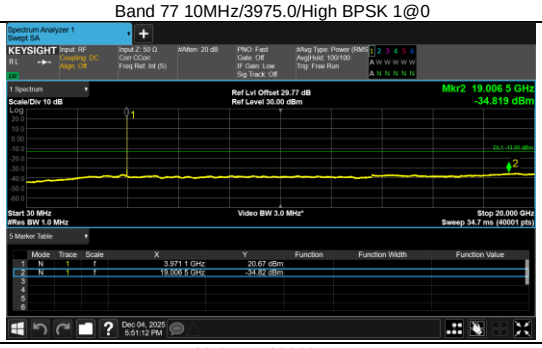	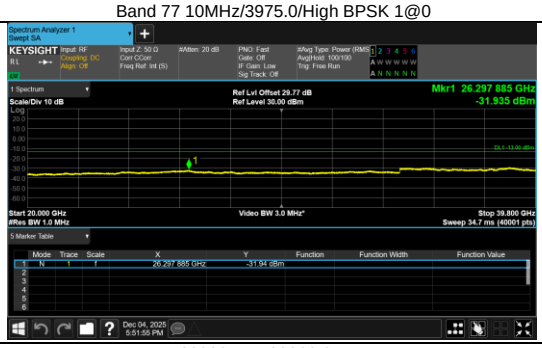
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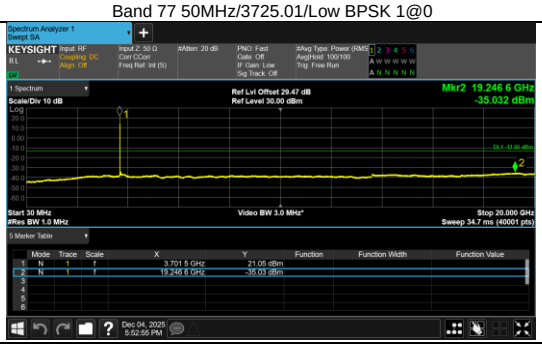	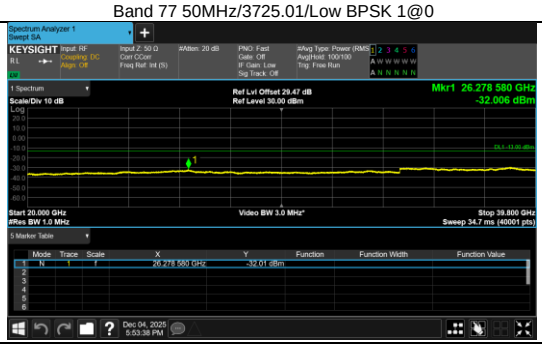

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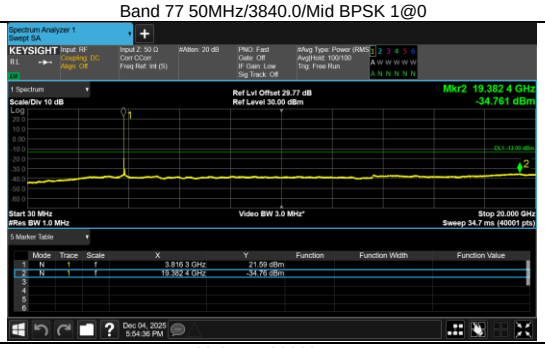	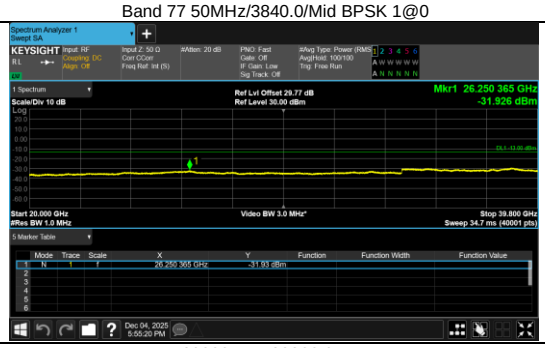
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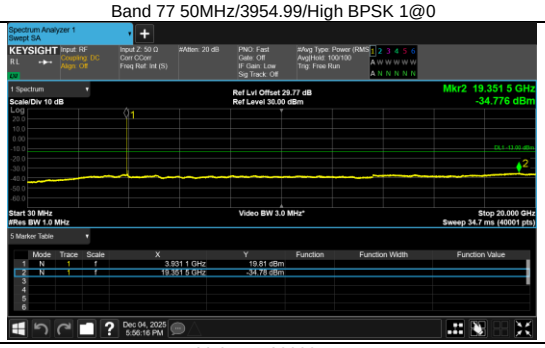
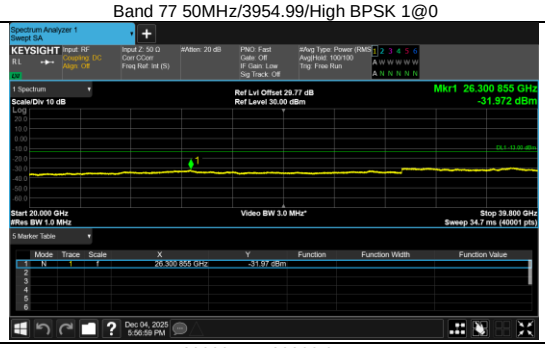
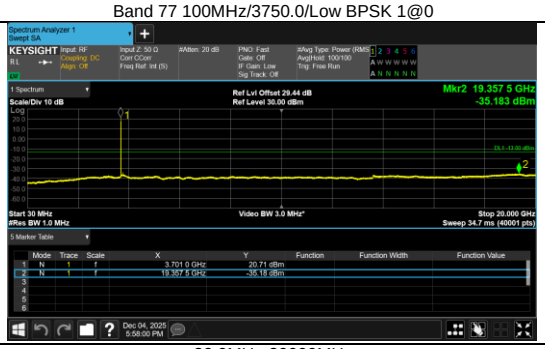
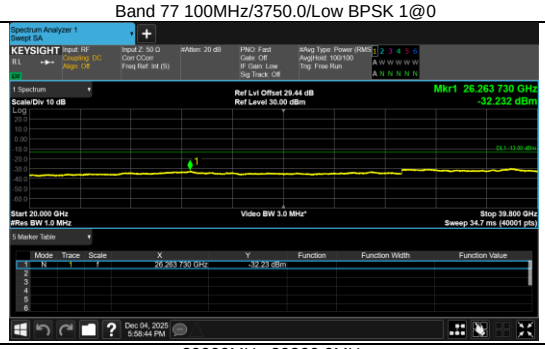
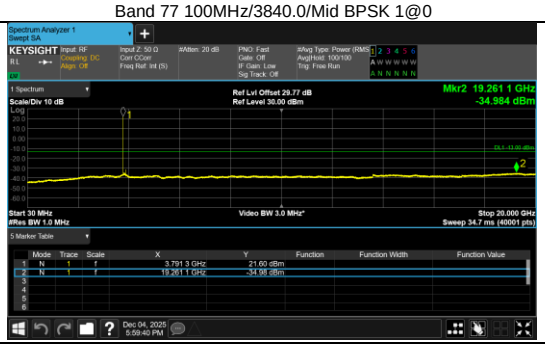
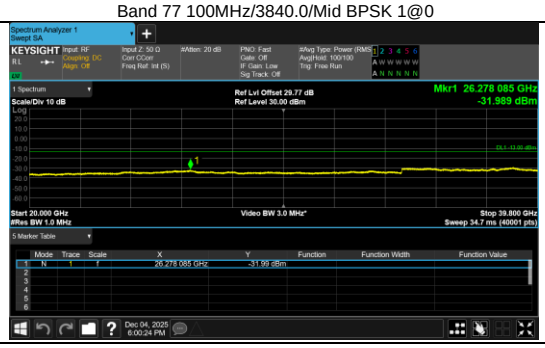
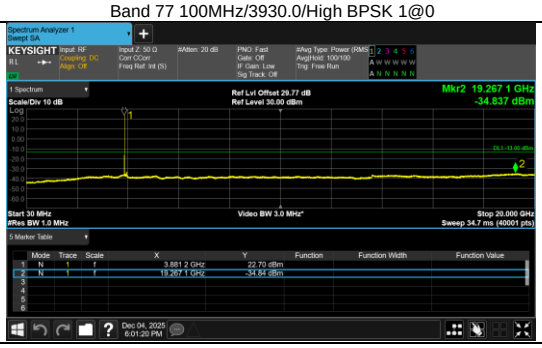
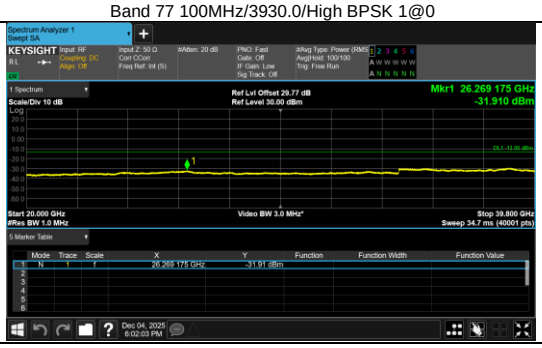
	
30.0MHz-20000MHz Band 77 100MHz/3750.0/Low BPSK 1@0	20000MHz-39800.0MHz Band 77 100MHz/3750.0/Low BPSK 1@0
	
30.0MHz-20000MHz Band 77 100MHz/3840.0/Mid BPSK 1@0	20000MHz-39800.0MHz Band 77 100MHz/3840.0/Mid BPSK 1@0
	

30.0MHz-20000MHz Band 77 100MHz/3930.0/High BPSK 1@0	20000MHz-39800.0MHz Band 77 100MHz/3930.0/High BPSK 1@0
	

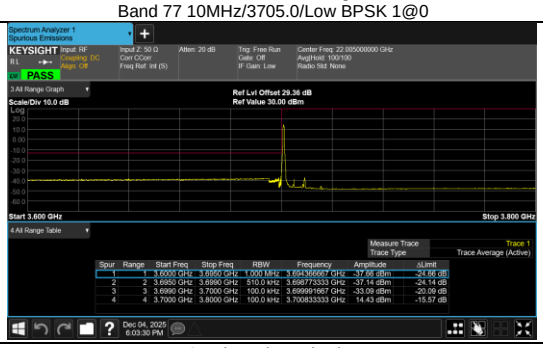
Conducted Band Edge

Test Result

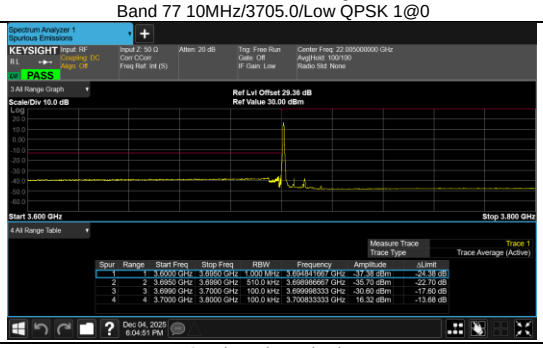
NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Result	Verdict
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	See graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	1@0	See graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM BPSK	24@0	See graph	PASS
77	30	10	647000	3705.0	DFT-s-OFDM QPSK	24@0	See graph	PASS
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

Test Graphs

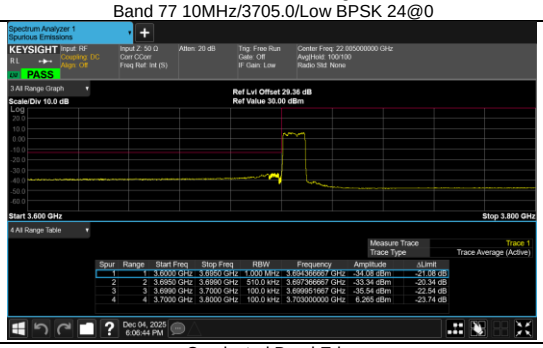
Conducted Band Edge
Band 77 10MHz/3705.0/Low BPSK 1@0



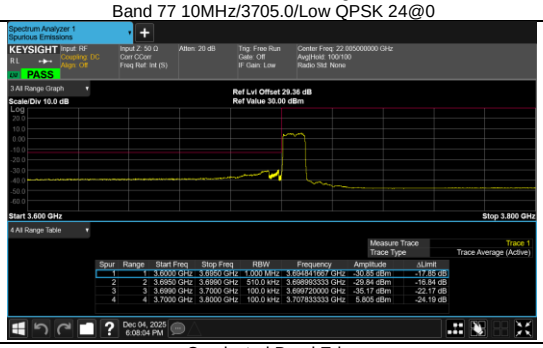
Conducted Band Edge
Band 77 10MHz/3705.0/Low QPSK 1@0



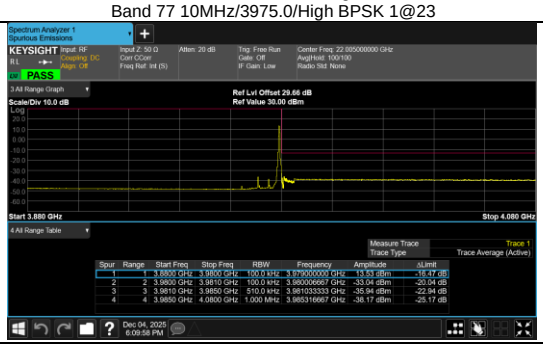
Conducted Band Edge
Band 77 10MHz/3705.0/Low BPSK 24@0



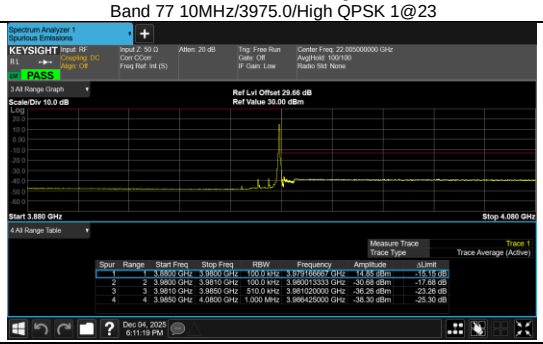
Conducted Band Edge
Band 77 10MHz/3705.0/Low QPSK 24@0



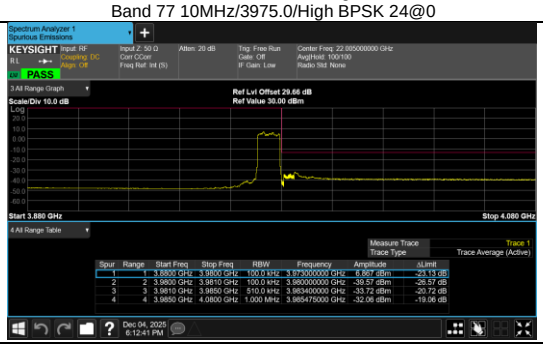
Conducted Band Edge
Band 77 10MHz/3975.0/High BPSK 1@23



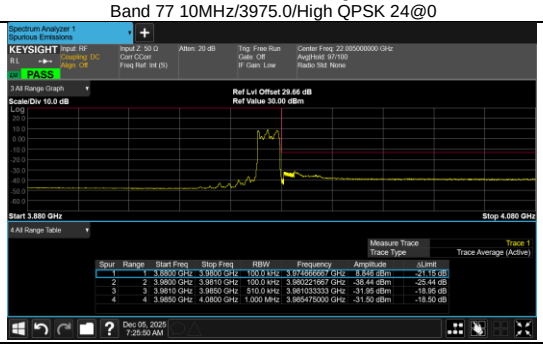
Conducted Band Edge
Band 77 10MHz/3975.0/High QPSK 1@23



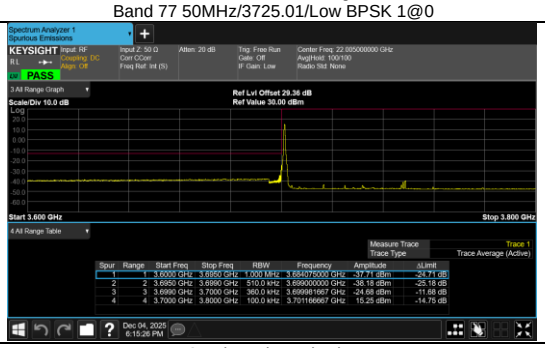
Conducted Band Edge
Band 77 10MHz/3975.0/High BPSK 24@0



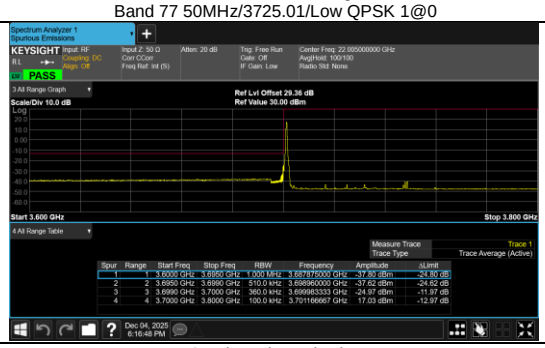
Conducted Band Edge
Band 77 10MHz/3975.0/High QPSK 24@0



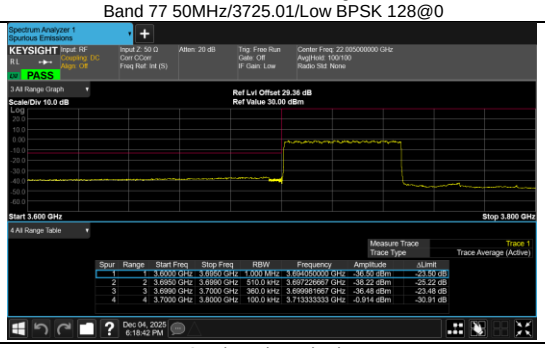
Conducted Band Edge
Band 77 50MHz/3725.01/Low BPSK 1@0



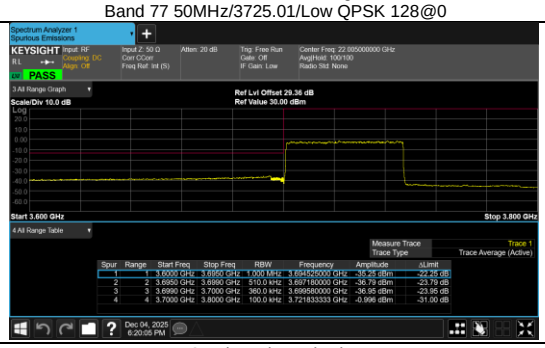
Conducted Band Edge
Band 77 50MHz/3725.01/Low QPSK 1@0



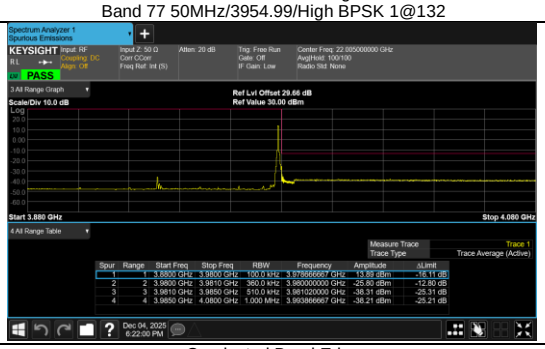
Conducted Band Edge
Band 77 50MHz/3725.01/Low BPSK 128@0



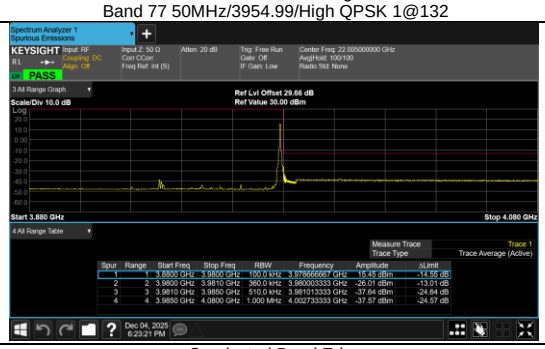
Conducted Band Edge
Band 77 50MHz/3725.01/Low QPSK 128@0



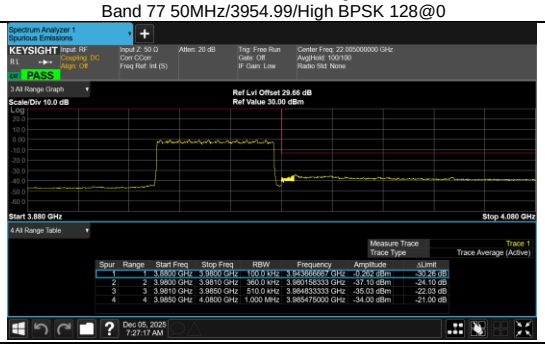
Conducted Band Edge
Band 77 50MHz/3954.99/High BPSK 1@132



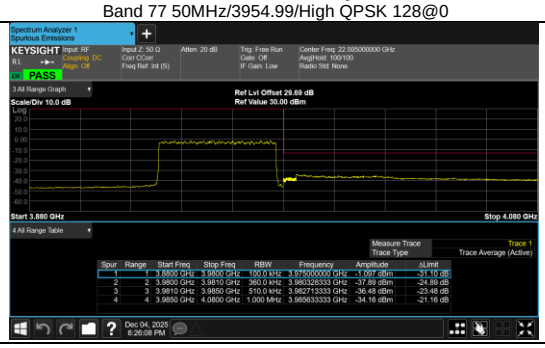
Conducted Band Edge
Band 77 50MHz/3954.99/High QPSK 1@132



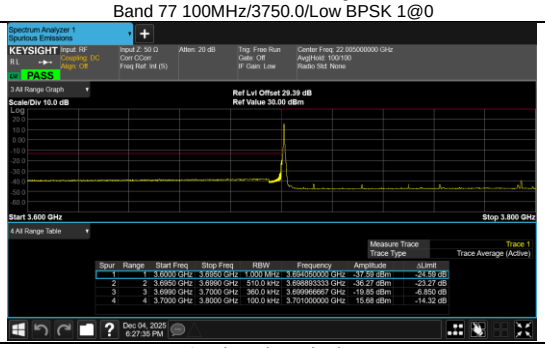
Conducted Band Edge
Band 77 50MHz/3954.99/High BPSK 128@0



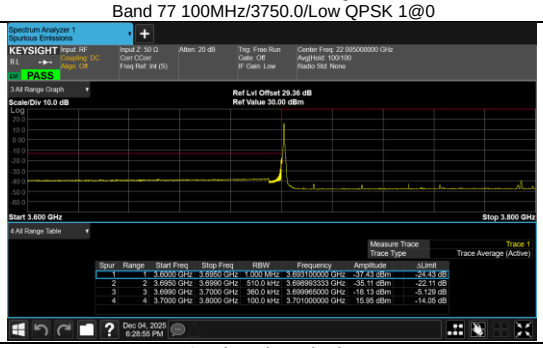
Conducted Band Edge
Band 77 50MHz/3954.99/High QPSK 128@0



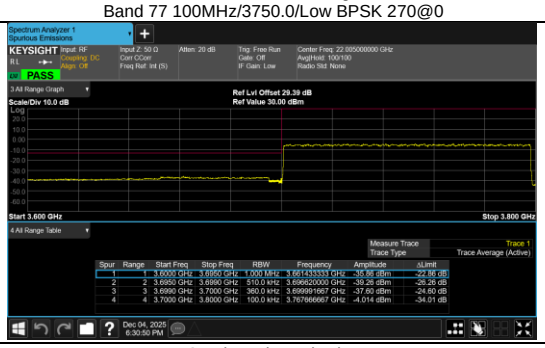
Conducted Band Edge
Band 77 100MHz/3750.0/Low BPSK 1@0



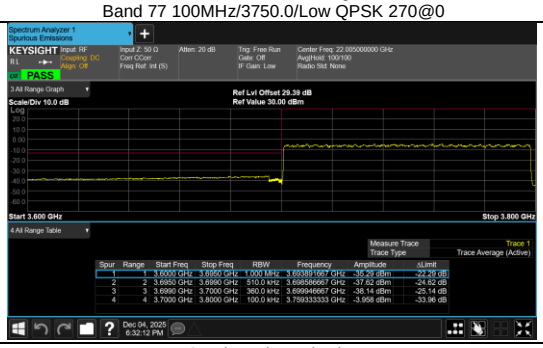
Conducted Band Edge
Band 77 100MHz/3750.0/Low QPSK 1@0



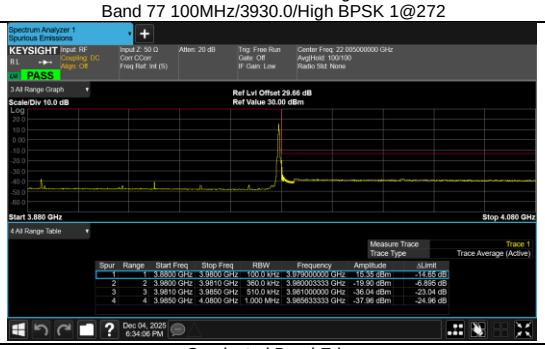
Conducted Band Edge
Band 77 100MHz/3750.0/Low BPSK 270@0



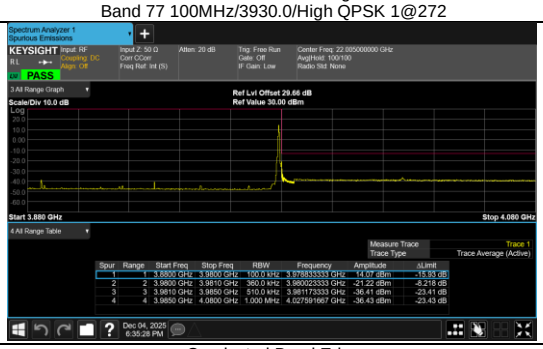
Conducted Band Edge
Band 77 100MHz/3750.0/Low QPSK 270@0



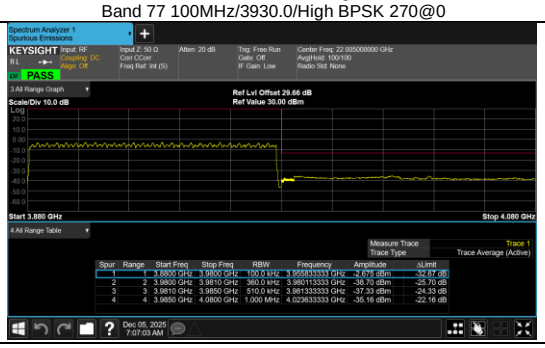
Conducted Band Edge
Band 77 100MHz/3930.0/High BPSK 1@272



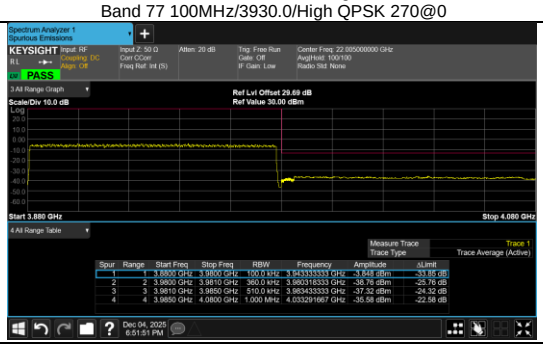
Conducted Band Edge
Band 77 100MHz/3930.0/High QPSK 1@272



Conducted Band Edge
Band 77 100MHz/3930.0/High BPSK 270@0



Conducted Band Edge
Band 77 100MHz/3930.0/High QPSK 270@0



FR1 N78

Transmitter Conducted Output Power And EIRP, (G_T - L_C)= -2.7dB

NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	10	647000	3705	DFT-s-OFDM PI/2 BPSK	1@1	27.05	24.35	0.2723
78	30	10	647000	3705	DFT-s-OFDM QPSK	1@1	27.16	24.46	0.2793
78	30	10	647000	3705	DFT-s-OFDM 16 QAM	1@1	26.21	23.51	0.2244
78	30	10	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.28	24.58	0.2871
78	30	10	650000	3750	DFT-s-OFDM QPSK	1@1	27.26	24.56	0.2858
78	30	10	650000	3750	DFT-s-OFDM 16 QAM	1@1	26.11	23.41	0.2193
78	30	10	653000	3795	DFT-s-OFDM PI/2 BPSK	1@1	27.41	24.71	0.2958
78	30	10	653000	3795	DFT-s-OFDM QPSK	1@1	27.42	24.72	0.2965
78	30	10	653000	3795	DFT-s-OFDM 16 QAM	1@1	26.56	23.86	0.2432
78	30	15	647168	3707.52	DFT-s-OFDM PI/2 BPSK	1@1	27.06	24.36	0.2729
78	30	15	647168	3707.52	DFT-s-OFDM QPSK	1@1	27.04	24.34	0.2716
78	30	15	647168	3707.52	DFT-s-OFDM 16 QAM	1@1	26.03	23.33	0.2153
78	30	15	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.26	24.56	0.2858
78	30	15	650000	3750	DFT-s-OFDM QPSK	1@1	27.25	24.55	0.2851
78	30	15	650000	3750	DFT-s-OFDM 16 QAM	1@1	26.15	23.45	0.2213
78	30	15	652832	3792.48	DFT-s-OFDM PI/2 BPSK	1@1	27.23	24.53	0.2838
78	30	15	652832	3792.48	DFT-s-OFDM QPSK	1@1	27.31	24.61	0.2891
78	30	15	652832	3792.48	DFT-s-OFDM 16 QAM	1@1	26.31	23.61	0.2296
78	30	20	647334	3710.01	DFT-s-OFDM PI/2 BPSK	1@1	27.09	24.39	0.2748
78	30	20	647334	3710.01	DFT-s-OFDM QPSK	1@1	27.11	24.41	0.2761
78	30	20	647334	3710.01	DFT-s-OFDM 16 QAM	1@1	26.07	23.37	0.2173
78	30	20	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.24	24.54	0.2844
78	30	20	650000	3750	DFT-s-OFDM QPSK	1@1	27.22	24.52	0.2831
78	30	20	650000	3750	DFT-s-OFDM 16 QAM	1@1	26.35	23.65	0.2317
78	30	20	652666	3789.99	DFT-s-OFDM PI/2 BPSK	1@1	27.24	24.54	0.2844
78	30	20	652666	3789.99	DFT-s-OFDM QPSK	1@1	27.26	24.56	0.2858
78	30	20	652666	3789.99	DFT-s-OFDM 16 QAM	1@1	26.15	23.45	0.2213
78	30	25	647500	3712.5	DFT-s-OFDM PI/2 BPSK	1@1	26.99	24.29	0.2685
78	30	25	647500	3712.5	DFT-s-OFDM QPSK	1@1	26.91	24.21	0.2636
78	30	25	647500	3712.5	DFT-s-OFDM 16 QAM	1@1	25.99	23.29	0.2133
78	30	25	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.11	24.41	0.2761
78	30	25	650000	3750	DFT-s-OFDM QPSK	1@1	27.16	24.46	0.2793
78	30	25	650000	3750	DFT-s-OFDM 16 QAM	1@1	26.16	23.46	0.2218
78	30	25	652500	3787.5	DFT-s-OFDM PI/2 BPSK	1@1	27.10	24.40	0.2754

NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	25	652500	3787.5	DFT-s-OFDM QPSK	1@1	27.08	24.38	0.2742
78	30	25	652500	3787.5	DFT-s-OFDM 16 QAM	1@1	26.12	23.42	0.2198
78	30	30	647668	3715.02	DFT-s-OFDM PI/2 BPSK	1@1	27.02	24.32	0.2704
78	30	30	647668	3715.02	DFT-s-OFDM QPSK	1@1	27.01	24.31	0.2698
78	30	30	647668	3715.02	DFT-s-OFDM 16 QAM	1@1	26.16	23.46	0.2218
78	30	30	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.20	24.50	0.2818
78	30	30	650000	3750	DFT-s-OFDM QPSK	1@1	27.19	24.49	0.2812
78	30	30	650000	3750	DFT-s-OFDM 16 QAM	1@1	26.18	23.48	0.2228
78	30	30	652332	3784.98	DFT-s-OFDM PI/2 BPSK	1@1	27.14	24.44	0.2780
78	30	30	652332	3784.98	DFT-s-OFDM QPSK	1@1	27.03	24.33	0.2710
78	30	30	652332	3784.98	DFT-s-OFDM 16 QAM	1@1	26.15	23.45	0.2213
78	30	40	648000	3720	DFT-s-OFDM PI/2 BPSK	1@1	26.97	24.27	0.2673
78	30	40	648000	3720	DFT-s-OFDM QPSK	1@1	27.03	24.33	0.2710
78	30	40	648000	3720	DFT-s-OFDM 16 QAM	1@1	26.06	23.36	0.2168
78	30	40	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.22	24.52	0.2831
78	30	40	650000	3750	DFT-s-OFDM QPSK	1@1	27.11	24.41	0.2761
78	30	40	650000	3750	DFT-s-OFDM 16 QAM	1@1	26.30	23.60	0.2291
78	30	40	652000	3780	DFT-s-OFDM PI/2 BPSK	1@1	27.14	24.44	0.2780
78	30	40	652000	3780	DFT-s-OFDM QPSK	1@1	27.11	24.41	0.2761
78	30	40	652000	3780	DFT-s-OFDM 16 QAM	1@1	26.17	23.47	0.2223
78	30	50	648334	3725.01	DFT-s-OFDM PI/2 BPSK	1@1	26.99	24.29	0.2685
78	30	50	648334	3725.01	DFT-s-OFDM QPSK	1@1	26.96	24.26	0.2667
78	30	50	648334	3725.01	DFT-s-OFDM 16 QAM	1@1	25.86	23.16	0.2070
78	30	50	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.12	24.42	0.2767
78	30	50	650000	3750	DFT-s-OFDM QPSK	1@1	27.10	24.40	0.2754
78	30	50	650000	3750	DFT-s-OFDM 16 QAM	1@1	26.28	23.58	0.2280
78	30	50	651666	3774.99	DFT-s-OFDM PI/2 BPSK	1@1	27.18	24.48	0.2805
78	30	50	651666	3774.99	DFT-s-OFDM QPSK	1@1	27.22	24.52	0.2831
78	30	50	651666	3774.99	DFT-s-OFDM 16 QAM	1@1	26.17	23.47	0.2223
78	30	60	648668	3730.02	DFT-s-OFDM PI/2 BPSK	1@1	26.92	24.22	0.2642
78	30	60	648668	3730.02	DFT-s-OFDM QPSK	1@1	26.85	24.15	0.2600
78	30	60	648668	3730.02	DFT-s-OFDM 16 QAM	1@1	25.95	23.25	0.2113
78	30	60	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.02	24.32	0.2704
78	30	60	650000	3750	DFT-s-OFDM QPSK	1@1	27.15	24.45	0.2786
78	30	60	650000	3750	DFT-s-OFDM 16 QAM	1@1	26.11	23.41	0.2193
78	30	60	651332	3769.98	DFT-s-OFDM PI/2 BPSK	1@1	27.16	24.46	0.2793
78	30	60	651332	3769.98	DFT-s-OFDM QPSK	1@1	27.14	24.44	0.2780
78	30	60	651332	3769.98	DFT-s-OFDM 16 QAM	1@1	26.37	23.67	0.2328

NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	70	649000	3735	DFT-s-OFDM PI/2 BPSK	1@1	27.00	24.30	0.2692
78	30	70	649000	3735	DFT-s-OFDM QPSK	1@1	26.92	24.22	0.2642
78	30	70	649000	3735	DFT-s-OFDM 16 QAM	1@1	25.99	23.29	0.2133
78	30	70	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.16	24.46	0.2793
78	30	70	650000	3750	DFT-s-OFDM QPSK	1@1	27.10	24.40	0.2754
78	30	70	650000	3750	DFT-s-OFDM 16 QAM	1@1	26.24	23.54	0.2259
78	30	70	651000	3765	DFT-s-OFDM PI/2 BPSK	1@1	27.32	24.62	0.2897
78	30	70	651000	3765	DFT-s-OFDM QPSK	1@1	27.29	24.59	0.2877
78	30	70	651000	3765	DFT-s-OFDM 16 QAM	1@1	26.46	23.76	0.2377
78	30	80	649334	3740.01	DFT-s-OFDM PI/2 BPSK	1@1	27.05	24.35	0.2723
78	30	80	649334	3740.01	DFT-s-OFDM QPSK	1@1	27.06	24.36	0.2729
78	30	80	649334	3740.01	DFT-s-OFDM 16 QAM	1@1	26.05	23.35	0.2163
78	30	80	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.15	24.45	0.2786
78	30	80	650000	3750	DFT-s-OFDM QPSK	1@1	27.15	24.45	0.2786
78	30	80	650000	3750	DFT-s-OFDM 16 QAM	1@1	26.04	23.34	0.2158
78	30	80	650666	3759.99	DFT-s-OFDM PI/2 BPSK	1@1	27.32	24.62	0.2897
78	30	80	650666	3759.99	DFT-s-OFDM QPSK	1@1	27.29	24.59	0.2877
78	30	80	650666	3759.99	DFT-s-OFDM 16 QAM	1@1	26.26	23.56	0.2270
78	30	90	649668	3745.02	DFT-s-OFDM PI/2 BPSK	1@1	27.03	24.33	0.2710
78	30	90	649668	3745.02	DFT-s-OFDM QPSK	1@1	27.23	24.53	0.2838
78	30	90	649668	3745.02	DFT-s-OFDM 16 QAM	1@1	26.18	23.48	0.2228
78	30	90	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.09	24.39	0.2748
78	30	90	650000	3750	DFT-s-OFDM QPSK	1@1	27.07	24.37	0.2735
78	30	90	650000	3750	DFT-s-OFDM 16 QAM	1@1	26.07	23.37	0.2173
78	30	90	650332	3754.98	DFT-s-OFDM PI/2 BPSK	1@1	27.14	24.44	0.2780
78	30	90	650332	3754.98	DFT-s-OFDM QPSK	1@1	27.08	24.38	0.2742
78	30	90	650332	3754.98	DFT-s-OFDM 16 QAM	1@1	26.19	23.49	0.2234
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@1	27.02	24.32	0.2704
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@0	23.49	20.79	0.1199
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	1@271	27.48	24.78	0.3006
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	2@0	23.61	20.91	0.1233
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	135@67	27.26	24.56	0.2858
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	2@271	24.00	21.30	0.1349
78	30	100	650000	3750	DFT-s-OFDM PI/2 BPSK	270@0	26.78	24.08	0.2559
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@1	27.07	24.37	0.2735
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@0	23.52	20.82	0.1208
78	30	100	650000	3750	DFT-s-OFDM QPSK	1@271	27.38	24.68	0.2938
78	30	100	650000	3750	DFT-s-OFDM QPSK	2@0	23.56	20.86	0.1219

NR Band	SCS	BandWidth	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	100	650000	3750	DFT-s-OFDM QPSK	135@67	27.18	24.48	0.2805
78	30	100	650000	3750	DFT-s-OFDM QPSK	2@271	24.00	21.30	0.1349
78	30	100	650000	3750	DFT-s-OFDM QPSK	270@0	26.25	23.55	0.2265
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	1@1	26.01	23.31	0.2143
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	1@1	24.61	21.91	0.1552
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	1@1	22.53	19.83	0.0962
78	30	100	650000	3750	DFT-s-OFDM 16 QAM	270@0	25.27	22.57	0.1807
78	30	100	650000	3750	DFT-s-OFDM 64 QAM	270@0	24.77	22.07	0.1611
78	30	100	650000	3750	DFT-s-OFDM 256 QAM	270@0	22.85	20.15	0.1035

Frequency Stability

Test Result

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0127	**PASS**	NV
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0118	**PASS**	LV
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0063	**PASS**	HV
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0000	**PASS**	-30℃
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0129	**PASS**	-20℃
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0078	**PASS**	-10℃
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0056	**PASS**	0℃
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0094	**PASS**	10℃
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0058	**PASS**	20℃
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0219	**PASS**	30℃
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0182	**PASS**	40℃
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	0.0153	**PASS**	50℃

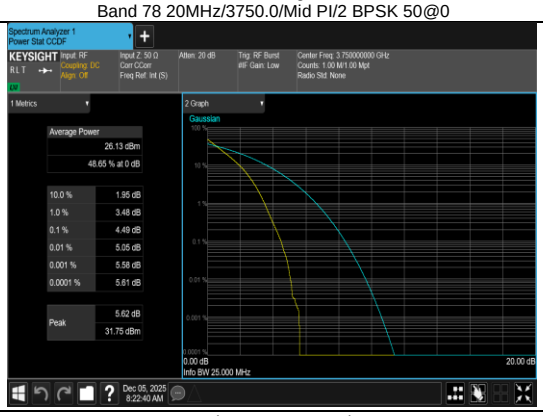
Peak to Average Ratio

Test Result

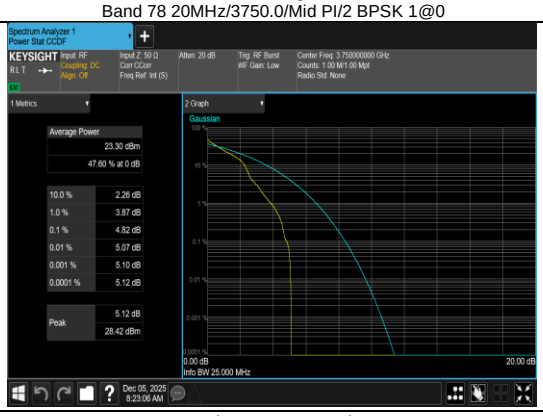
NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Result	Limit	Verdict
78	30	20	650000	3750.0	DFT-s-OFDM PI/2 BPSK	50@0	4.49	13	PASS
78	30	20	650000	3750.0	DFT-s-OFDM PI/2 BPSK	1@0	4.82	13	PASS
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	50@0	5.55	13	PASS
78	30	20	650000	3750.0	DFT-s-OFDM QPSK	1@0	5.47	13	PASS

Test Graphs

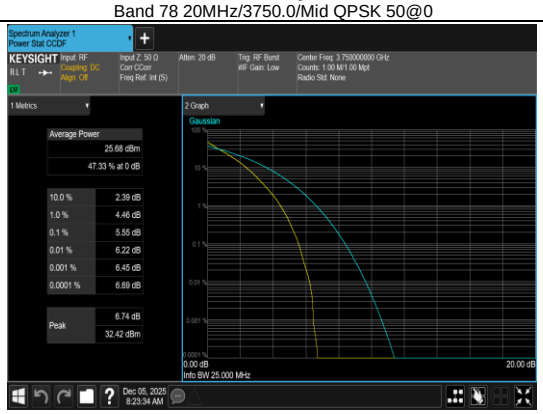
Peak-to-Average-Ratio
Band 78 20MHz/3750.0/Mid PI/2 BPSK 50@0



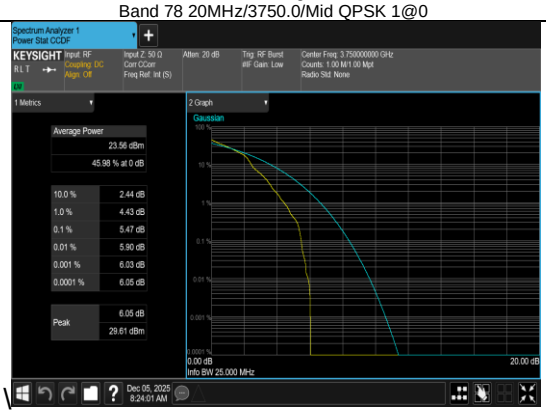
Peak-to-Average-Ratio
Band 78 20MHz/3750.0/Mid PI/2 BPSK 1@0



Peak-to-Average-Ratio
Band 78 20MHz/3750.0/Mid QPSK 50@0



Peak-to-Average-Ratio
Band 78 20MHz/3750.0/Mid QPSK 1@0

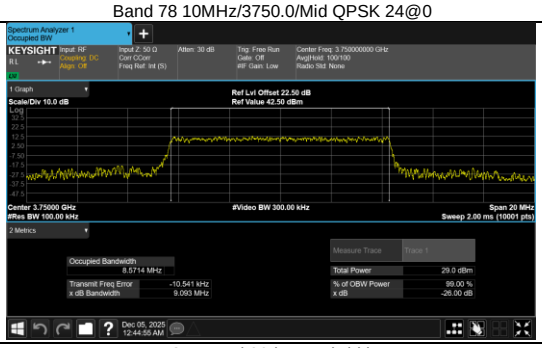
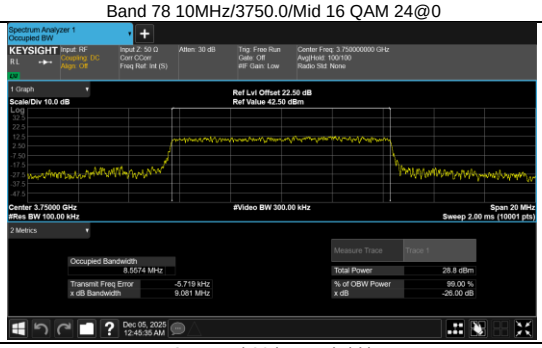


Occupied Bandwidth

Test Result

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	OBW(MHz)	26dB OBW(MHz)
78	30	10	650000	3750.0	CP-OFDM QPSK	24@0	8.57	9.093
78	30	10	650000	3750.0	CP-OFDM 16 QAM	24@0	8.56	9.081
78	30	15	650000	3750.0	CP-OFDM QPSK	38@0	13.57	14.2
78	30	15	650000	3750.0	CP-OFDM 16 QAM	38@0	13.57	14.23
78	30	20	650000	3750.0	CP-OFDM QPSK	51@0	18.19	18.95
78	30	20	650000	3750.0	CP-OFDM 16 QAM	51@0	18.24	18.96
78	30	25	650000	3750.0	CP-OFDM QPSK	65@0	23.17	24.21
78	30	25	650000	3750.0	CP-OFDM 16 QAM	65@0	23.24	24.07
78	30	30	650000	3750.0	CP-OFDM QPSK	78@0	27.7	28.73
78	30	30	650000	3750.0	CP-OFDM 16 QAM	78@0	27.76	28.81
78	30	40	650000	3750.0	CP-OFDM QPSK	106@0	37.78	39.25
78	30	40	650000	3750.0	CP-OFDM 16 QAM	106@0	37.78	39.02
78	30	50	650000	3750.0	CP-OFDM QPSK	133@0	47.41	48.92
78	30	50	650000	3750.0	CP-OFDM 16 QAM	133@0	47.45	48.97
78	30	60	650000	3750.0	CP-OFDM QPSK	162@0	57.77	59.55
78	30	60	650000	3750.0	CP-OFDM 16 QAM	162@0	57.72	59.57
78	30	70	650000	3750.0	CP-OFDM QPSK	189@0	67.42	69.47
78	30	70	650000	3750.0	CP-OFDM 16 QAM	189@0	67.41	69.65
78	30	80	650000	3750.0	CP-OFDM QPSK	217@0	77.4	79.77
78	30	80	650000	3750.0	CP-OFDM 16 QAM	217@0	77.54	79.76
78	30	90	650000	3750.0	CP-OFDM QPSK	245@0	87.38	90.06
78	30	90	650000	3750.0	CP-OFDM 16 QAM	245@0	87.18	90.12
78	30	100	650000	3750.0	CP-OFDM QPSK	273@0	97.36	100.3
78	30	100	650000	3750.0	CP-OFDM 16 QAM	273@0	97.43	100.3

Test Graphs

OBW and 26dB Bandwidth Band 78 10MHz/3750.0/Mid QPSK 24@0	OBW and 26dB Bandwidth Band 78 10MHz/3750.0/Mid 16 QAM 24@0
	
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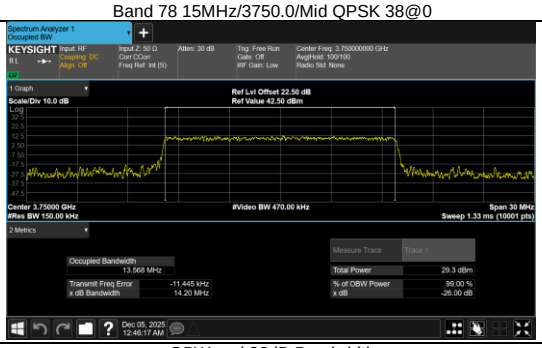	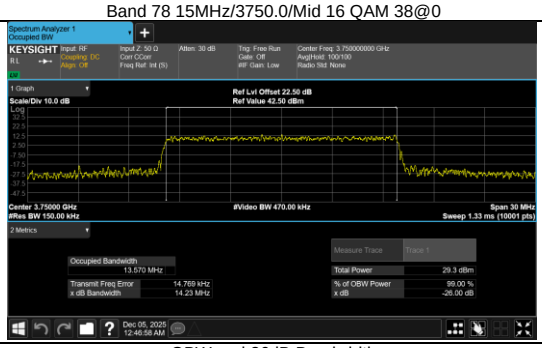
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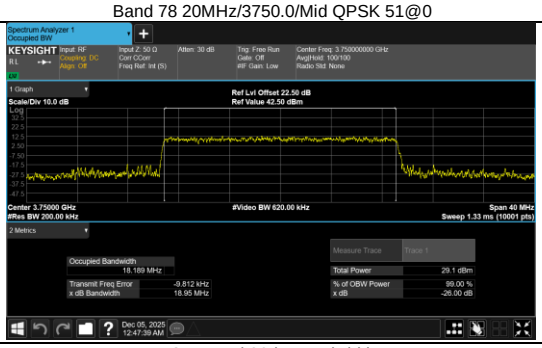	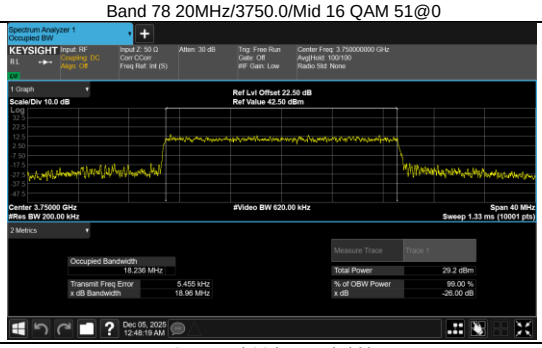
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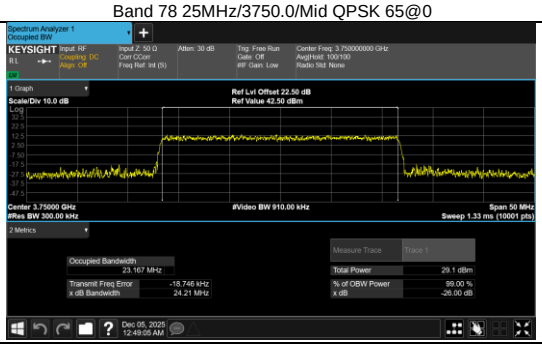	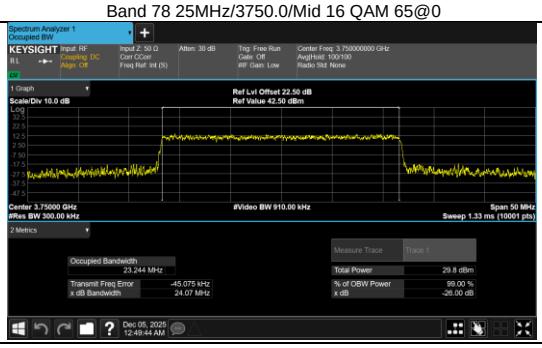

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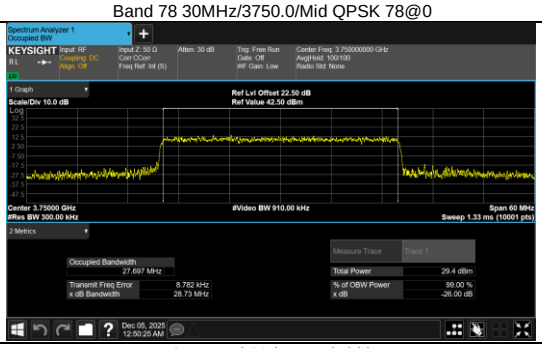	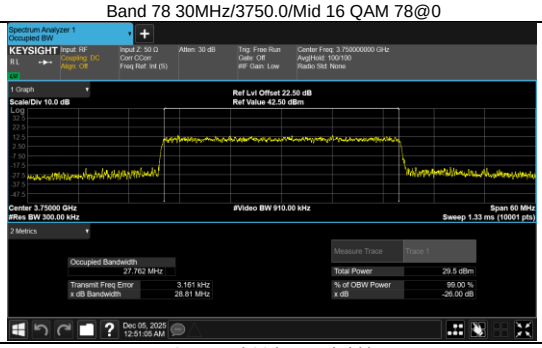
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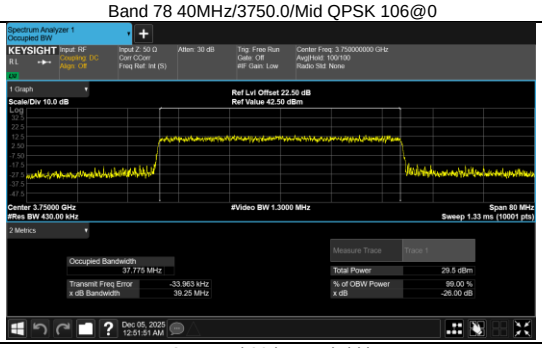	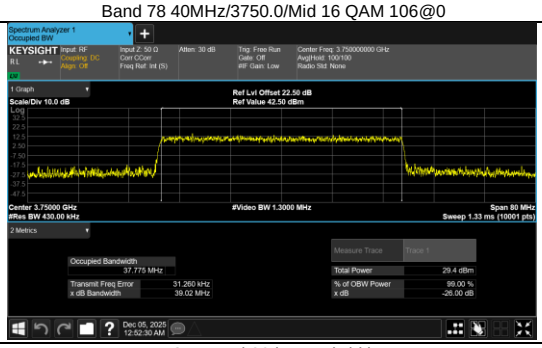
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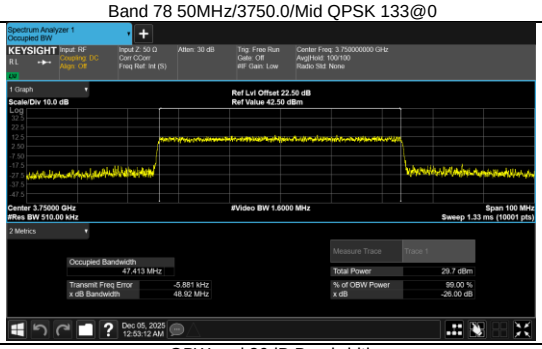	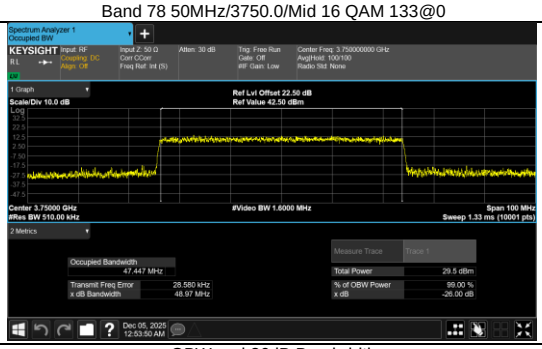
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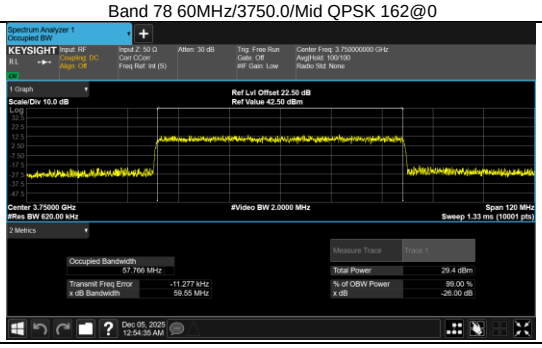	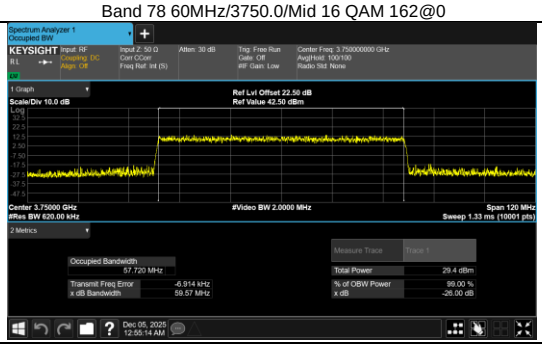

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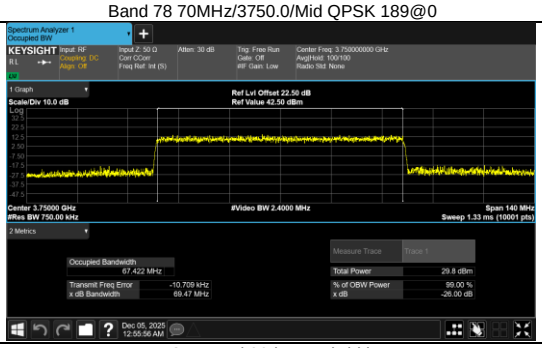	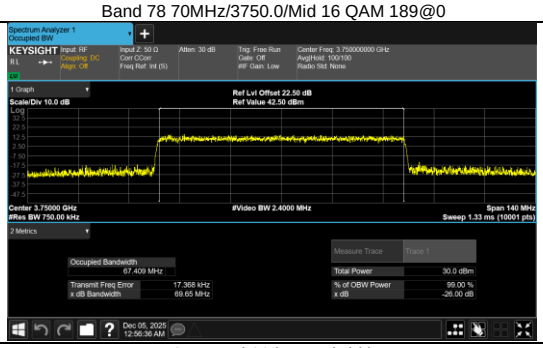
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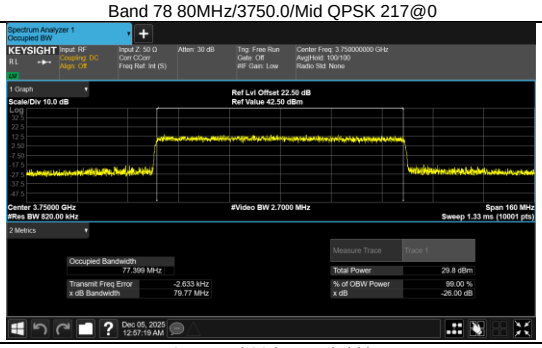	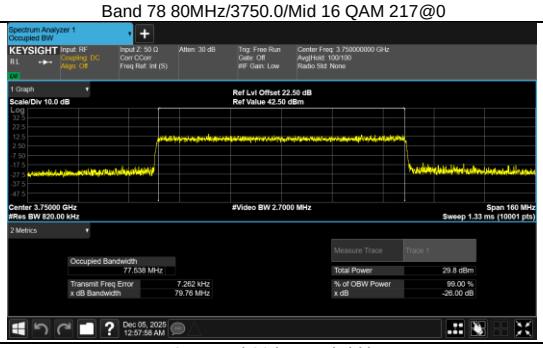
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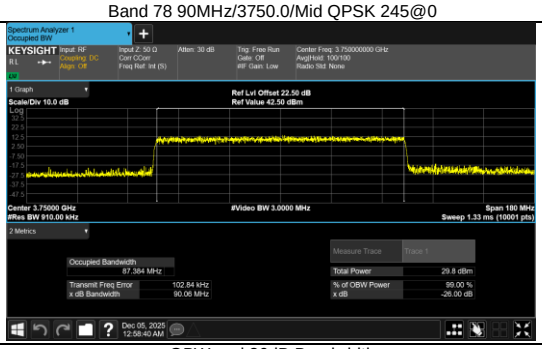	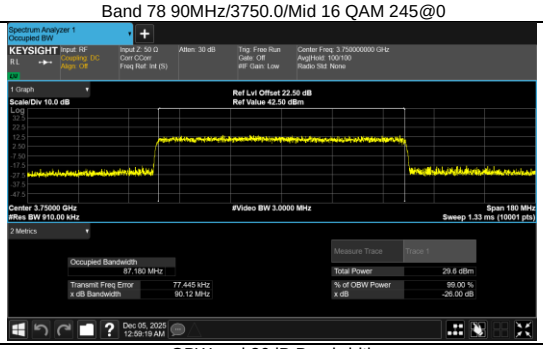
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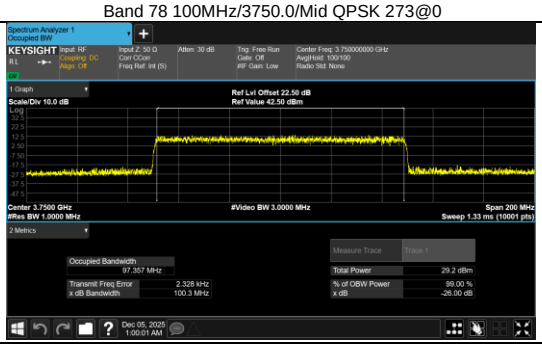	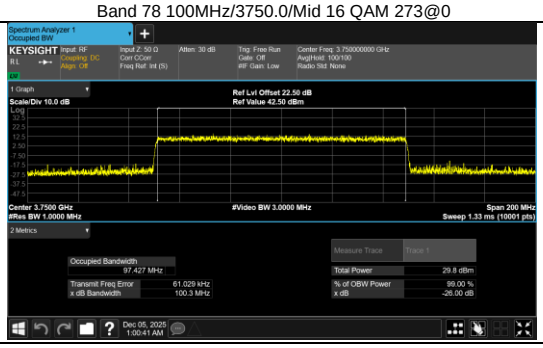

Conducted Spurious Emissions

Test Result

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Result	Verdict
78	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	See graph	---
78	30	10	647000	3705.0	DFT-s-OFDM BPSK	1@0	See graph	PASS
78	30	10	650000	3750.0	DFT-s-OFDM BPSK	1@0	See graph	---
78	30	10	650000	3750.0	DFT-s-OFDM BPSK	1@0	See graph	PASS
78	30	10	653000	3795.0	DFT-s-OFDM BPSK	1@0	See graph	---
78	30	10	653000	3795.0	DFT-s-OFDM BPSK	1@0	See graph	PASS
78	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	See graph	---
78	30	50	648334	3725.01	DFT-s-OFDM BPSK	1@0	See graph	PASS
78	30	50	650000	3750.0	DFT-s-OFDM BPSK	1@0	See graph	---
78	30	50	650000	3750.0	DFT-s-OFDM BPSK	1@0	See graph	PASS
78	30	50	651666	3774.99	DFT-s-OFDM BPSK	1@0	See graph	---
78	30	50	651666	3774.99	DFT-s-OFDM BPSK	1@0	See graph	PASS
78	30	100	650000	3750.00	DFT-s-OFDM BPSK	1@0	See graph	---
78	30	100	650000	3750.00	DFT-s-OFDM BPSK	1@0	See graph	PASS