



FCC RF Test Report

APPLICANT : Xiaomi Communications Co., Ltd.
EQUIPMENT : Mobile Phone
BRAND NAME : Xiaomi
MODEL NAME : 2602EPTC0G
FCC ID : 2AFZZPTC0G
STANDARD : 47 CFR Part 22, 27
CLASSIFICATION : PCS Licensed Transmitter Held to Ear (PCE)
TEST DATE(S) : Jan. 15, 2026 ~ Jan. 28, 2026

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



Sporton International Inc. (Kunshan)

**No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China**



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REVISION HISTORY

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FG5D2207J	Rev. 01	Initial issue of report	Feb. 06, 2026



SUMMARY OF TEST RESULT

Report Section	FCC Rule	Description	Limit	Result	Remark
3.4	§2.1046	Conducted Output Power	Reporting Only	PASS	-
	§22.913(a)(5)	Effective Radiated Power (5G NR n5, n26)	ERP < 7 Watt		
	§27.50(c)(10)	Effective Radiated Power (5G NR n12, n71)	ERP < 3 Watt		
3.5	§24.232(d)	Peak-to-Average Ratio	<13 dB	PASS	-
3.6	§2.1049	Occupied Bandwidth	Reporting Only	PASS	-
3.7	§2.1051 §22.917(a) §27.53(g)	Conducted Band Edge Measurement (5G NR n5, n26) (5G NR n12, n71)	< 43+10log ₁₀ (P[Watts])	PASS	-
3.8	§2.1051 §22.917(a) §27.53(g)	Conducted Spurious Emission (5G NR n5, n26) (5G NR n12, n71)	< 43+10log ₁₀ (P[Watts])	PASS	-
3.9	§2.1055 §22.355	Frequency Stability Temperature & Voltage	< 2.5 ppm for Part 22	PASS	-
	§27.54		Within Authorized Band		
4.4	§2.1053 §22.917(a) §27.53(g)	Radiated Spurious Emission (5G NR n5, n26) (5G NR n12, n71)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 41.51 dB at 2482.00 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/manufacture 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	Xiaomi
Model Name	2602EPTC0G
FCC ID	2AFZZPTC0G
IMEI Code	Conducted : 862177080070629/862177080070637 Radiation : 862177080132528
EUT Stage	Identical Prototype

1.4 Product Specification of Equipment Under Test

Standards-related Product Specification	
Tx Frequency	5G NR n5 : 824 MHz ~ 849 MHz 5G NR n12 : 699 MHz ~ 716 MHz 5G NR n26 : 824 MHz ~ 849 MHz 5G NR n71: 663 MHz ~ 698 MHz
Rx Frequency	5G NR n5 : 869 MHz ~ 894 MHz 5G NR n12: 729 MHz ~ 746 MHz 5G NR n26 : 869 MHz ~ 894 MHz 5G NR n71: 617 MHz ~ 652 MHz
Bandwidth	n5, n26, n71: 5MHz / 10MHz / 15MHz / 20MHz n12 : 5MHz / 10MHz / 15MHz
SCS	15kHz
Antenna Gain	<Ant. 0>: n5: -3.64 dBi n12: -3.82 dBi n26: -3.64 dBi n71: -9.93 dBi <Ant. 1>: n5: -3.00 dBi n12: -4.00 dBi n26: -3.00 dBi n71: -9.00 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

Remark:

1. The maximum ERP is calculated from max output power and max antenna gain, only the maximum ERP are shown in the report, 5G NR n12 for Ant.0, 5G NR n5/n26/n71 for Ant.1.
2. 5G NR support SA (n5/n12/n26/n71) mode and NSA(n5 other PA) mode.
3. The device supports two PAs for 5G NR n5 (main PA for SA mode and other PA for NSA mode), according to the maximum power, the n5 main PA is covered by n26, and the other PA is full tested.
4. All the supported ENDC combinations are verified conducted power, only the ENDC 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 ERP and Emission Designator

5G NR n5		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	826.5 ~ 846.5	0.1250	4M47G7D	0.1242	4M46W7D
10	829.0 ~ 844.0	0.1285	9M27G7D	0.1230	9M29W7D
15	831.5 ~ 841.5	0.1265	14M1G7D	0.1159	14M1W7D
20	834.0 ~ 839.0	0.1300	18M9G7D	0.1161	18M9W7D

5G NR n26		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	826.5 ~ 846.5	0.1026	4M47G7D	0.0778	4M47W7D
10	829.0 ~ 844.0	0.1038	9M27G7D	0.0791	9M26W7D
15	831.5 ~ 841.5	0.1038	14M1G7D	0.0787	14M1W7D
20	834.0 ~ 839.0	0.1009	18M9G7D	0.0796	18M9W7D

5G NR n12		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	701.5 ~ 713.5	0.0984	4M47G7D	0.0755	4M46W7D
10	704.0 ~ 711.0	0.0942	9M29G7D	0.0753	9M29W7D
15	706.5 ~ 708.5	0.0935	14M1G7D	0.0771	14M1W7D



5G NR n71		PI/2 BPSK / QPSK		16QAM / 64QAM / 256QAM	
BW (MHz)	Frequency Range (MHz)	Maximum ERP(W)	Emission Designator (99%OBW)	Maximum ERP(W)	Emission Designator (99%OBW)
5	665.5 ~ 695.5	0.0218	4M47G7D	0.0167	4M46W7D
10	668.0 ~ 693.0	0.0218	9M28G7D	0.0164	9M29W7D
15	670.5 ~ 690.5	0.0218	14M1G7D	0.0167	14M1W7D
20	673.0 ~ 688.0	0.0215	18M9G7D	0.0171	18M9W7D

Note:

- 5G NR n26 overlaps the entire frequency range of 5G NR n5. Therefore, the test results provided in this report covers 5G NR n5 and the portion of 5G NR n26 subject to Part 22.
- All modulations have been tested, 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 22, 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.



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 (X 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.

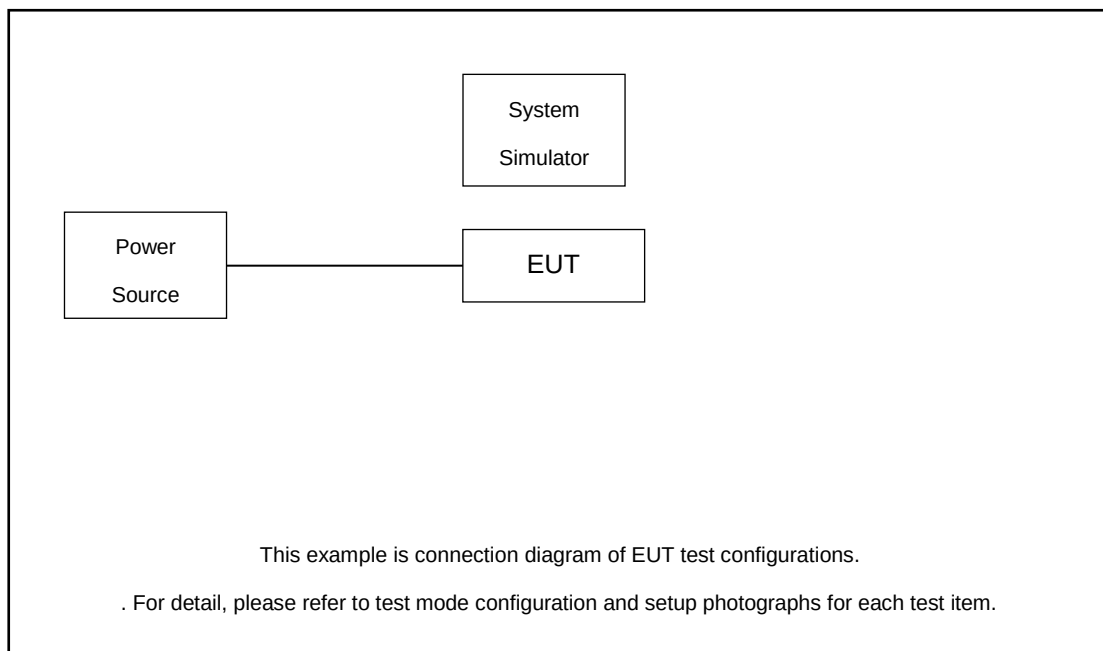
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane

Test Items	5G NR	Bandwidth (MHz)													Modulation					RB #		Test Channel		
		5	10	15	20	25	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Full	L	M	H
Max. Output Power	n5	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
	n12	v	v	v	-	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
	n26	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
	n71	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
Peak-to- Average Ratio	n5				v	-	-	-	-	-	-	-	-	-	v	v				v	v		v	
	n12		v		-	-	-	-	-	-	-	-	-	-	v	v				v	v		v	
	n26				v	-	-	-	-	-	-	-	-	-	v	v				v	v		v	
	n71					-	-	-	-	-	-	-	-	-	v	v				v	v		v	
26dB and 99% Bandwidth	n5	v	v	v	v	-	-	-	-	-	-	-	-	-		v	v	v	v		v		v	
	n12	v	v	v	-	-	-	-	-	-	-	-	-	-		v	v	v	v		v		v	
	n26	v	v	v	v	-	-	-	-	-	-	-	-	-		v	v	v	v		v		v	
	n71	v	v	v	v	-	-	-	-	-	-	-	-	-		v	v	v	v		v		v	
Conducted Band Edge	n5	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v				v	v	v		v
	n12	v	v	v	-	-	-	-	-	-	-	-	-	-	v	v				v	v	v		v
	n26	v	v		v	-	-	-	-	-	-	-	-	-	v	v				v	v	v		v
	n71	v	v		v	-	-	-	-	-	-	-	-	-	v	v				v	v	v		v
Conducted	n5	v	v	v	v	-	-	-	-	-	-	-	-	-	v					v		v	v	v



Test Items	5G NR	Bandwidth (MHz)													Modulation					RB #		Test Channel		
		5	10	15	20	25	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16QAM	64QAM	256QAM	1	Full	L	M	H
Spurious Emission	n12	v	v	v	-	-	-	-	-	-	-	-	-	-	v					v		v	v	v
	n26	v	v		v	-	-	-	-	-	-	-	-	-	v					v		v	v	v
	n71	v	v		v	-	-	-	-	-	-	-	-	-	v					v		v	v	v
Frequency Stability	n5				v	-	-	-	-	-	-	-	-	-		v					v		v	
	n12		v		-	-	-	-	-	-	-	-	-	-		v					v		v	
	n26				v	-	-	-	-	-	-	-	-	-		v					v		v	
	n71					-	-	-	-	-	-	-	-	-		v					v		v	
E.R.P.	n5	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
	n12	v	v	v	-	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
	n26	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
	n71	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v
Radiated Spurious Emission	n5	Worst Case																				v		
	n12	Worst Case																				v		
	n26	Worst Case																				v		
	n71	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 = 3.78V ; Low Voltage =3.60V. ; High Voltage =4.30V																							

2.2 Connection Diagram of Test System



The EUT has been configuration operated in a manner tended to maximize its emission characteristics in a typical application.

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 4.6 dB and 10dB attenuator.

Example :

$$\begin{aligned} \text{Offset(dB)} &= \text{RF cable loss(dB)} + \text{attenuator factor(dB)}. \\ &= 4.6 + 10 = 14.6 \text{ (dB)} \end{aligned}$$

2.5 Frequency List of Low/Middle/High Channels

5G NR n5 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	166800	167300	167800
	Frequency	834	836.5	839
15	Channel	166300	167300	168300
	Frequency	831.5	836.5	841.5
10	Channel	165800	167300	168800
	Frequency	829	836.5	844
5	Channel	165300	167300	169300
	Frequency	826.5	836.5	846.5

5G NR n12 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
15	Channel	141300	141500	141700
	Frequency	706.5	707.5	708.5
10	Channel	140800	141500	142200
	Frequency	704	707.5	711
5	Channel	140300	141500	142700
	Frequency	701.5	707.5	713.5



5G NR n26 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	166800	167300	167800
	Frequency	834	836.5	839
15	Channel	166300	167300	168300
	Frequency	831.5	836.5	841.5
10	Channel	165800	167300	168800
	Frequency	829	836.5	844
5	Channel	165300	167300	169300
	Frequency	826.5	836.5	846.5

5G NR n71 Channel and Frequency List				
BW [MHz]	Channel/Frequency(MHz)	Lowest	Middle	Highest
20	Channel	134600	136100	137600
	Frequency	673	680.5	688
15	Channel	134100	136100	138100
	Frequency	670.5	680.5	690.5
10	Channel	133600	136100	138600
	Frequency	668	680.5	693
5	Channel	133100	136100	139100
	Frequency	665.5	680.5	695.5

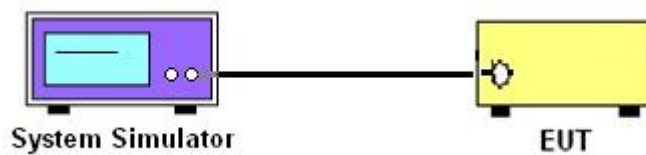
3 Conducted Test Items

3.1 Measuring Instruments

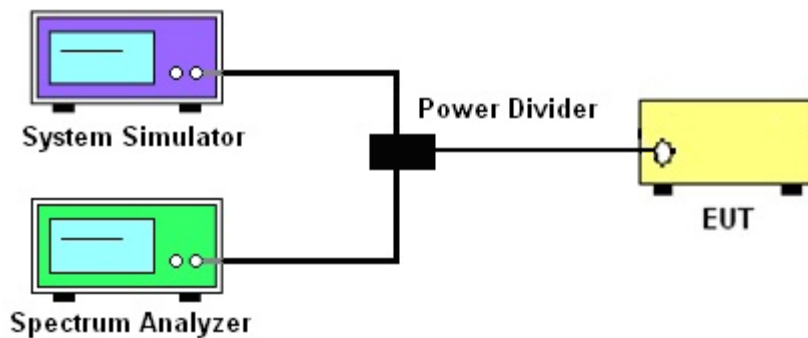
See list of measuring instruments of this test report.

3.2 Test Setup

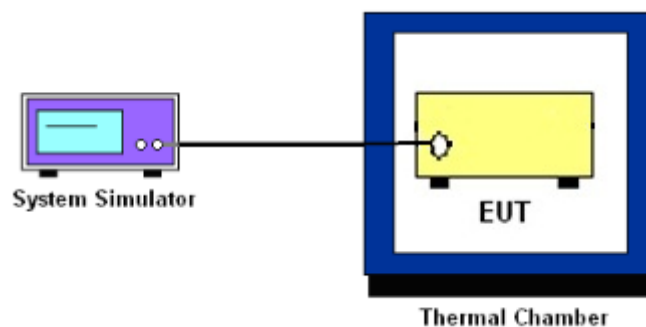
3.2.1 Conducted Output Power



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 ERP

3.4.1 Description of the Conducted Output Power Measurement and ERP 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 ERP of mobile transmitters must not exceed 7 Watts for 5G NR n5, n26.

The ERP of mobile transmitters must not exceed 3 Watts for 5G NR n12, n71.

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

22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

27.53 (g)

For operations in the 600MHz band and 698 -746 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

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 $\geq$ 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 $43 + 10\log(P)$ dB below the transmitter power P(Watts)

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)} = -13\text{dBm}.$$

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 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 $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)]$ (dB)
 $= [30 + 10\log(P)]$ (dBm) - $[43 + 10\log(P)]$ (dB)
 $= -13\text{dBm}$.

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 $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) 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 $20\pm 5^{\circ}\text{C}$ 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.

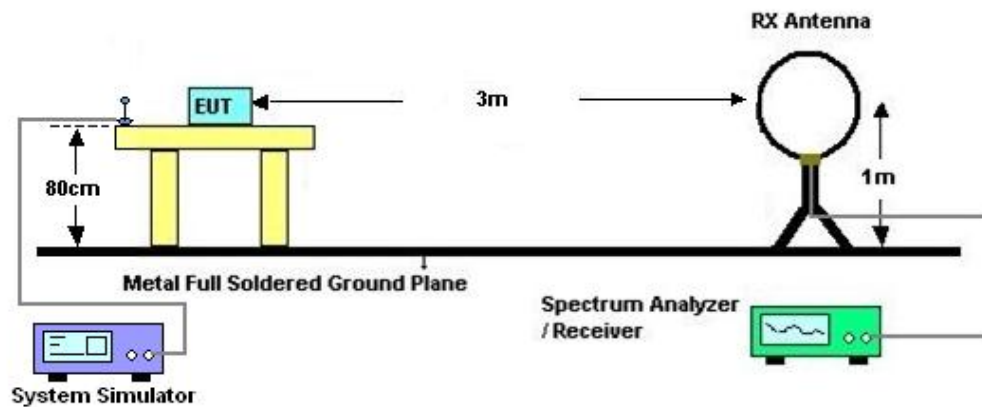
4 Radiated Test Items

4.1 Measuring Instruments

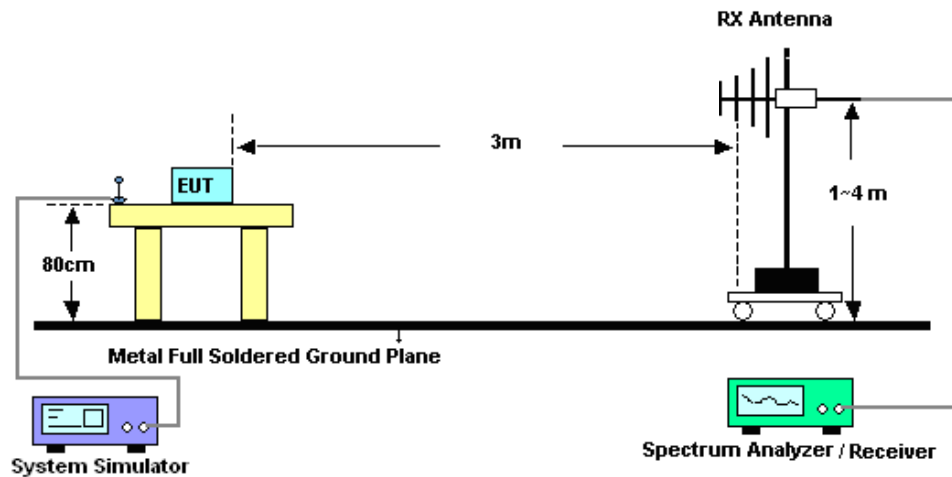
See list of measuring instruments of this test report.

4.2 Test Setup

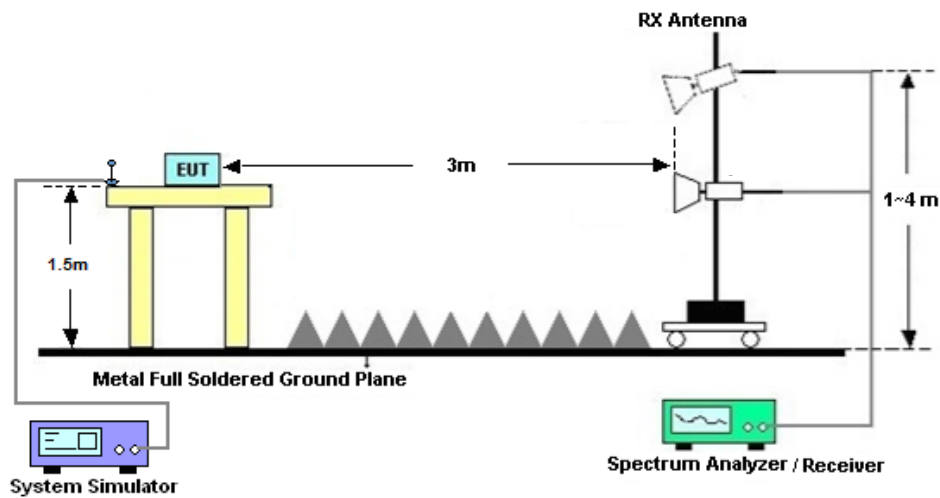
4.2.1 For radiated test below 30MHz



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. $EIRP \text{ (dBm)} = S.G. \text{ Power} - Tx \text{ Cable Loss} + Tx \text{ Antenna Gain}$
11. $ERP \text{ (dBm)} = EIRP - 2.15$
12. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

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

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

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

$$= -13\text{dBm}.$$



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Jul. 07, 2025	Jan. 15, 2026~ Jan. 28, 2026	Jul. 06, 2026	Conducted (TH01-KS)
Power divider	STI	STI08-0055	-	0.5~40GHz	NCR	Jan. 15, 2026~ Jan. 28, 2026	NCR	Conducted (TH01-KS)
Temperature & humidity chamber	Hongzhan	LP-150U	H2014011440	-40~+150°C 20%~95%RH	Jul. 02, 2025	Jan. 15, 2026~ Jan. 28, 2026	Jul. 01, 2026	Conducted (TH01-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55370528	10Hz-44G,MAX 30dB	Oct. 10, 2025	Jan. 24, 2026	Oct. 09, 2026	Radiation (03CH04-KS)
Active loop antenna	R&S	HFH2-Z2E	101125	9kHz~30MHz	Aug. 10, 2025	Jan. 24, 2026	Aug. 09, 2026	Radiation (03CH04-KS)
Bilog Antenna	TeseQ	CBL6111D	44483	30MHz-1GHz	Nov. 22, 2025	Jan. 24, 2026	Nov. 21, 2026	Radiation (03CH04-KS)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00227860	1GHz~18GHz	Aug. 22, 2025	Jan. 24, 2026	Aug. 21, 2026	Radiation (03CH04-KS)
SHF-EHF Horn	Com-power	AH-840	101070	18GHz~40GHz	Jan. 10, 2026	Jan. 24, 2026	Jan. 09, 2027	Radiation (03CH04-KS)
Amplifier	SONOMA	310N	380826	9KHz-1GHz	Jul. 02, 2025	Jan. 24, 2026	Jul. 01, 2026	Radiation (03CH04-KS)
Amplifier	EM	EM18G40G A	060852	18~40GHz	Dec. 24, 2025	Jan. 24, 2026	Dec. 23, 2026	Radiation (03CH04-KS)
high gain Amplifier	EM	EM01G18G A	060890	1Ghz-18Ghz	May 23, 2025	Jan. 24, 2026	May 22, 2026	Radiation (03CH04-KS)
Amplifier	EM	EM01G18G A	060892	1Ghz-18Ghz	Oct. 11, 2025	Jan. 24, 2026	Oct. 10, 2026	Radiation (03CH04-KS)
AC Power Source	Chroma	61601	F104090004	N/A	NCR	Jan. 24, 2026	NCR	Radiation (03CH04-KS)
Turn Table	ChamPro	EM 1000-T	060762-T	0~360 degree	NCR	Jan. 24, 2026	NCR	Radiation (03CH04-KS)
Antenna Mast	ChamPro	EM 1000-A	060762-A	1 m~4 m	NCR	Jan. 24, 2026	NCR	Radiation (03CH04-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 (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.83 dB
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Uncertainty of Radiated Emission Measurement (1 GHz ~ 18 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.83 dB
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Uncertainty of Radiated Emission Measurement (18 GHz ~ 40 GHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	2.82 dB
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----- THE END -----



Appendix A. Test Results of Conducted Test

Test Engineer :	Smile Wang	Temperature :	22~23°C
		Relative Humidity :	40~42%



Software Version: 23.06.1602

FR1 N5 ANT1

LTE Band: 7, LTE BW: 10M, LTE ARFCN: Mid

Transmitter Conducted Output Power And ERP, ($G_T - L_C$)=-3dB

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	ERP(dBm)	ERP(W)
5	15	5	165300	826.5	DFT-s-OFDM PI/2 BPSK	12@6	25.87	20.72	0.1180
5	15	5	165300	826.5	DFT-s-OFDM PI/2 BPSK	1@1	25.87	20.72	0.1180
5	15	5	165300	826.5	DFT-s-OFDM PI/2 BPSK	1@23	25.72	20.57	0.1140
5	15	5	165300	826.5	DFT-s-OFDM QPSK	12@6	25.35	20.20	0.1047
5	15	5	165300	826.5	DFT-s-OFDM QPSK	1@1	25.43	20.28	0.1067
5	15	5	165300	826.5	DFT-s-OFDM QPSK	1@23	25.31	20.16	0.1038
5	15	5	165300	826.5	DFT-s-OFDM 16 QAM	12@6	24.91	19.76	0.0946
5	15	5	165300	826.5	DFT-s-OFDM 16 QAM	1@1	25.32	20.17	0.1040
5	15	5	165300	826.5	DFT-s-OFDM 16 QAM	1@23	25.22	20.07	0.1016
5	15	5	165300	826.5	DFT-s-OFDM 64 QAM	12@6	23.85	18.70	0.0741
5	15	5	165300	826.5	DFT-s-OFDM 64 QAM	1@1	24.08	18.93	0.0782
5	15	5	165300	826.5	DFT-s-OFDM 64 QAM	1@23	24.06	18.91	0.0778
5	15	5	165300	826.5	DFT-s-OFDM 256 QAM	12@6	21.80	16.65	0.0462
5	15	5	165300	826.5	DFT-s-OFDM 256 QAM	1@1	22.00	16.85	0.0484
5	15	5	165300	826.5	DFT-s-OFDM 256 QAM	1@23	21.98	16.83	0.0482
5	15	5	165300	826.5	CP-OFDM QPSK	13@6	24.74	19.59	0.0910
5	15	5	165300	826.5	CP-OFDM 16 QAM	13@6	24.38	19.23	0.0838
5	15	5	165300	826.5	CP-OFDM 64 QAM	13@6	22.73	17.58	0.0573
5	15	5	167300	836.5	DFT-s-OFDM PI/2 BPSK	12@6	26.06	20.91	0.1233
5	15	5	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	26.12	20.97	0.1250
5	15	5	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@23	26.02	20.87	0.1222
5	15	5	167300	836.5	DFT-s-OFDM QPSK	12@6	26.08	20.93	0.1239
5	15	5	167300	836.5	DFT-s-OFDM QPSK	1@1	25.85	20.70	0.1175
5	15	5	167300	836.5	DFT-s-OFDM QPSK	1@23	25.76	20.61	0.1151
5	15	5	167300	836.5	DFT-s-OFDM 16 QAM	12@6	25.13	19.98	0.0995



5	15	5	167300	836.5	DFT-s-OFDM 16 QAM	1@1	26.09	20.94	0.1242
5	15	5	167300	836.5	DFT-s-OFDM 16 QAM	1@23	25.82	20.67	0.1167
5	15	5	167300	836.5	DFT-s-OFDM 64 QAM	12@6	23.83	18.68	0.0738
5	15	5	167300	836.5	DFT-s-OFDM 64 QAM	1@1	24.04	18.89	0.0774
5	15	5	167300	836.5	DFT-s-OFDM 64 QAM	1@23	24.00	18.85	0.0767
5	15	5	167300	836.5	DFT-s-OFDM 256 QAM	12@6	21.72	16.57	0.0454
5	15	5	167300	836.5	DFT-s-OFDM 256 QAM	1@1	21.79	16.64	0.0461
5	15	5	167300	836.5	DFT-s-OFDM 256 QAM	1@23	21.76	16.61	0.0458
5	15	5	167300	836.5	CP-OFDM QPSK	13@6	24.63	19.48	0.0887
5	15	5	167300	836.5	CP-OFDM 16 QAM	13@6	24.18	19.03	0.0800
5	15	5	167300	836.5	CP-OFDM 64 QAM	13@6	22.63	17.48	0.0560
5	15	5	169300	846.5	DFT-s-OFDM PI/2 BPSK	12@6	25.83	20.68	0.1169
5	15	5	169300	846.5	DFT-s-OFDM PI/2 BPSK	1@1	25.88	20.73	0.1183
5	15	5	169300	846.5	DFT-s-OFDM PI/2 BPSK	1@23	25.96	20.81	0.1205
5	15	5	169300	846.5	DFT-s-OFDM QPSK	12@6	25.65	20.50	0.1122
5	15	5	169300	846.5	DFT-s-OFDM QPSK	1@1	25.48	20.33	0.1079
5	15	5	169300	846.5	DFT-s-OFDM QPSK	1@23	25.40	20.25	0.1059
5	15	5	169300	846.5	DFT-s-OFDM 16 QAM	12@6	25.09	19.94	0.0986
5	15	5	169300	846.5	DFT-s-OFDM 16 QAM	1@1	25.22	20.07	0.1016
5	15	5	169300	846.5	DFT-s-OFDM 16 QAM	1@23	25.15	20.00	0.1000
5	15	5	169300	846.5	DFT-s-OFDM 64 QAM	12@6	23.71	18.56	0.0718
5	15	5	169300	846.5	DFT-s-OFDM 64 QAM	1@1	23.91	18.76	0.0752
5	15	5	169300	846.5	DFT-s-OFDM 64 QAM	1@23	23.91	18.76	0.0752
5	15	5	169300	846.5	DFT-s-OFDM 256 QAM	12@6	21.68	16.53	0.0450
5	15	5	169300	846.5	DFT-s-OFDM 256 QAM	1@1	21.84	16.69	0.0467
5	15	5	169300	846.5	DFT-s-OFDM 256 QAM	1@23	21.76	16.61	0.0458
5	15	5	169300	846.5	CP-OFDM QPSK	13@6	24.59	19.44	0.0879
5	15	5	169300	846.5	CP-OFDM 16 QAM	13@6	24.10	18.95	0.0785
5	15	5	169300	846.5	CP-OFDM 64 QAM	13@6	22.62	17.47	0.0558
5	15	10	165800	829	DFT-s-OFDM PI/2 BPSK	25@12	26.13	20.98	0.1253
5	15	10	165800	829	DFT-s-OFDM PI/2 BPSK	1@1	26.03	20.88	0.1225
5	15	10	165800	829	DFT-s-OFDM PI/2 BPSK	1@50	26.22	21.07	0.1279



5	15	10	165800	829	DFT-s-OFDM QPSK	25@12	25.70	20.55	0.1135
5	15	10	165800	829	DFT-s-OFDM QPSK	1@1	25.80	20.65	0.1161
5	15	10	165800	829	DFT-s-OFDM QPSK	1@50	25.97	20.82	0.1208
5	15	10	165800	829	DFT-s-OFDM 16 QAM	25@12	25.12	19.97	0.0993
5	15	10	165800	829	DFT-s-OFDM 16 QAM	1@1	25.62	20.47	0.1114
5	15	10	165800	829	DFT-s-OFDM 16 QAM	1@50	25.98	20.83	0.1211
5	15	10	165800	829	DFT-s-OFDM 64 QAM	25@12	23.98	18.83	0.0764
5	15	10	165800	829	DFT-s-OFDM 64 QAM	1@1	24.13	18.98	0.0791
5	15	10	165800	829	DFT-s-OFDM 64 QAM	1@50	24.10	18.95	0.0785
5	15	10	165800	829	DFT-s-OFDM 256 QAM	25@12	21.73	16.58	0.0455
5	15	10	165800	829	DFT-s-OFDM 256 QAM	1@1	21.89	16.74	0.0472
5	15	10	165800	829	DFT-s-OFDM 256 QAM	1@50	21.75	16.60	0.0457
5	15	10	165800	829	CP-OFDM QPSK	26@13	24.68	19.53	0.0897
5	15	10	165800	829	CP-OFDM 16 QAM	26@13	24.06	18.91	0.0778
5	15	10	165800	829	CP-OFDM 64 QAM	26@13	22.75	17.60	0.0575
5	15	10	167300	836.5	DFT-s-OFDM PI/2 BPSK	25@12	26.14	20.99	0.1256
5	15	10	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	26.24	21.09	0.1285
5	15	10	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@50	26.02	20.87	0.1222
5	15	10	167300	836.5	DFT-s-OFDM QPSK	25@12	26.18	21.03	0.1268
5	15	10	167300	836.5	DFT-s-OFDM QPSK	1@1	25.94	20.79	0.1199
5	15	10	167300	836.5	DFT-s-OFDM QPSK	1@50	25.72	20.57	0.1140
5	15	10	167300	836.5	DFT-s-OFDM 16 QAM	25@12	25.35	20.20	0.1047
5	15	10	167300	836.5	DFT-s-OFDM 16 QAM	1@1	26.05	20.90	0.1230
5	15	10	167300	836.5	DFT-s-OFDM 16 QAM	1@50	25.56	20.41	0.1099
5	15	10	167300	836.5	DFT-s-OFDM 64 QAM	25@12	23.88	18.73	0.0746
5	15	10	167300	836.5	DFT-s-OFDM 64 QAM	1@1	24.16	19.01	0.0796
5	15	10	167300	836.5	DFT-s-OFDM 64 QAM	1@50	24.01	18.86	0.0769
5	15	10	167300	836.5	DFT-s-OFDM 256 QAM	25@12	21.72	16.57	0.0454
5	15	10	167300	836.5	DFT-s-OFDM 256 QAM	1@1	21.82	16.67	0.0465
5	15	10	167300	836.5	DFT-s-OFDM 256 QAM	1@50	21.78	16.63	0.0460
5	15	10	167300	836.5	CP-OFDM QPSK	26@13	24.66	19.51	0.0893
5	15	10	167300	836.5	CP-OFDM 16 QAM	26@13	24.19	19.04	0.0802



5	15	10	167300	836.5	CP-OFDM 64 QAM	26@13	22.79	17.64	0.0581
5	15	10	168800	844	DFT-s-OFDM PI/2 BPSK	25@12	25.96	20.81	0.1205
5	15	10	168800	844	DFT-s-OFDM PI/2 BPSK	1@1	26.02	20.87	0.1222
5	15	10	168800	844	DFT-s-OFDM PI/2 BPSK	1@50	26.02	20.87	0.1222
5	15	10	168800	844	DFT-s-OFDM QPSK	25@12	25.60	20.45	0.1109
5	15	10	168800	844	DFT-s-OFDM QPSK	1@1	25.73	20.58	0.1143
5	15	10	168800	844	DFT-s-OFDM QPSK	1@50	25.73	20.58	0.1143
5	15	10	168800	844	DFT-s-OFDM 16 QAM	25@12	24.99	19.84	0.0964
5	15	10	168800	844	DFT-s-OFDM 16 QAM	1@1	25.81	20.66	0.1164
5	15	10	168800	844	DFT-s-OFDM 16 QAM	1@50	25.60	20.45	0.1109
5	15	10	168800	844	DFT-s-OFDM 64 QAM	25@12	23.98	18.83	0.0764
5	15	10	168800	844	DFT-s-OFDM 64 QAM	1@1	24.06	18.91	0.0778
5	15	10	168800	844	DFT-s-OFDM 64 QAM	1@50	23.97	18.82	0.0762
5	15	10	168800	844	DFT-s-OFDM 256 QAM	25@12	21.60	16.45	0.0442
5	15	10	168800	844	DFT-s-OFDM 256 QAM	1@1	21.69	16.54	0.0451
5	15	10	168800	844	DFT-s-OFDM 256 QAM	1@50	21.62	16.47	0.0444
5	15	10	168800	844	CP-OFDM QPSK	26@13	24.56	19.41	0.0873
5	15	10	168800	844	CP-OFDM 16 QAM	26@13	24.12	18.97	0.0789
5	15	10	168800	844	CP-OFDM 64 QAM	26@13	22.64	17.49	0.0561
5	15	15	166300	831.5	DFT-s-OFDM PI/2 BPSK	36@18	26.07	20.92	0.1236
5	15	15	166300	831.5	DFT-s-OFDM PI/2 BPSK	1@1	26.14	20.99	0.1256
5	15	15	166300	831.5	DFT-s-OFDM PI/2 BPSK	1@77	26.07	20.92	0.1236
5	15	15	166300	831.5	DFT-s-OFDM QPSK	36@18	25.85	20.70	0.1175
5	15	15	166300	831.5	DFT-s-OFDM QPSK	1@1	25.65	20.50	0.1122
5	15	15	166300	831.5	DFT-s-OFDM QPSK	1@77	25.83	20.68	0.1169
5	15	15	166300	831.5	DFT-s-OFDM 16 QAM	36@18	25.36	20.21	0.1050
5	15	15	166300	831.5	DFT-s-OFDM 16 QAM	1@1	25.39	20.24	0.1057
5	15	15	166300	831.5	DFT-s-OFDM 16 QAM	1@77	25.74	20.59	0.1146
5	15	15	166300	831.5	DFT-s-OFDM 64 QAM	36@18	23.76	18.61	0.0726
5	15	15	166300	831.5	DFT-s-OFDM 64 QAM	1@1	24.17	19.02	0.0798
5	15	15	166300	831.5	DFT-s-OFDM 64 QAM	1@77	24.02	18.87	0.0771
5	15	15	166300	831.5	DFT-s-OFDM 256 QAM	36@18	21.71	16.56	0.0453



					QAM				
5	15	15	166300	831.5	DFT-s-OFDM 256 QAM	1@1	21.92	16.77	0.0475
5	15	15	166300	831.5	DFT-s-OFDM 256 QAM	1@77	21.68	16.53	0.0450
5	15	15	166300	831.5	CP-OFDM QPSK	39@19	24.69	19.54	0.0899
5	15	15	166300	831.5	CP-OFDM 16 QAM	39@19	24.30	19.15	0.0822
5	15	15	166300	831.5	CP-OFDM 64 QAM	39@19	22.74	17.59	0.0574
5	15	15	167300	836.5	DFT-s-OFDM PI/2 BPSK	36@18	26.07	20.92	0.1236
5	15	15	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	25.90	20.75	0.1189
5	15	15	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@77	25.73	20.58	0.1143
5	15	15	167300	836.5	DFT-s-OFDM QPSK	36@18	26.02	20.87	0.1222
5	15	15	167300	836.5	DFT-s-OFDM QPSK	1@1	25.40	20.25	0.1059
5	15	15	167300	836.5	DFT-s-OFDM QPSK	1@77	25.26	20.11	0.1026
5	15	15	167300	836.5	DFT-s-OFDM 16 QAM	36@18	25.29	20.14	0.1033
5	15	15	167300	836.5	DFT-s-OFDM 16 QAM	1@1	25.31	20.16	0.1038
5	15	15	167300	836.5	DFT-s-OFDM 16 QAM	1@77	25.17	20.02	0.1005
5	15	15	167300	836.5	DFT-s-OFDM 64 QAM	36@18	23.78	18.63	0.0729
5	15	15	167300	836.5	DFT-s-OFDM 64 QAM	1@1	24.19	19.04	0.0802
5	15	15	167300	836.5	DFT-s-OFDM 64 QAM	1@77	23.99	18.84	0.0766
5	15	15	167300	836.5	DFT-s-OFDM 256 QAM	36@18	21.68	16.53	0.0450
5	15	15	167300	836.5	DFT-s-OFDM 256 QAM	1@1	21.97	16.82	0.0481
5	15	15	167300	836.5	DFT-s-OFDM 256 QAM	1@77	21.84	16.69	0.0467
5	15	15	167300	836.5	CP-OFDM QPSK	39@19	24.70	19.55	0.0902
5	15	15	167300	836.5	CP-OFDM 16 QAM	39@19	24.27	19.12	0.0817
5	15	15	167300	836.5	CP-OFDM 64 QAM	39@19	22.82	17.67	0.0585
5	15	15	168300	841.5	DFT-s-OFDM PI/2 BPSK	36@18	25.98	20.83	0.1211
5	15	15	168300	841.5	DFT-s-OFDM PI/2 BPSK	1@1	26.17	21.02	0.1265
5	15	15	168300	841.5	DFT-s-OFDM PI/2 BPSK	1@77	26.00	20.85	0.1216
5	15	15	168300	841.5	DFT-s-OFDM QPSK	36@18	25.75	20.60	0.1148
5	15	15	168300	841.5	DFT-s-OFDM QPSK	1@1	25.97	20.82	0.1208
5	15	15	168300	841.5	DFT-s-OFDM QPSK	1@77	25.55	20.40	0.1096
5	15	15	168300	841.5	DFT-s-OFDM 16 QAM	36@18	25.20	20.05	0.1012
5	15	15	168300	841.5	DFT-s-OFDM 16 QAM	1@1	25.79	20.64	0.1159



5	15	15	168300	841.5	DFT-s-OFDM 16 QAM	1@77	25.45	20.30	0.1072
5	15	15	168300	841.5	DFT-s-OFDM 64 QAM	36@18	23.72	18.57	0.0719
5	15	15	168300	841.5	DFT-s-OFDM 64 QAM	1@1	24.14	18.99	0.0793
5	15	15	168300	841.5	DFT-s-OFDM 64 QAM	1@77	24.02	18.87	0.0771
5	15	15	168300	841.5	DFT-s-OFDM 256 QAM	36@18	21.61	16.46	0.0443
5	15	15	168300	841.5	DFT-s-OFDM 256 QAM	1@1	21.81	16.66	0.0463
5	15	15	168300	841.5	DFT-s-OFDM 256 QAM	1@77	21.72	16.57	0.0454
5	15	15	168300	841.5	CP-OFDM QPSK	39@19	24.63	19.48	0.0887
5	15	15	168300	841.5	CP-OFDM 16 QAM	39@19	24.14	18.99	0.0793
5	15	15	168300	841.5	CP-OFDM 64 QAM	39@19	22.74	17.59	0.0574
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	50@25	26.11	20.96	0.1247
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@1	26.23	21.08	0.1282
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@104	25.97	20.82	0.1208
5	15	20	166800	834	DFT-s-OFDM QPSK	50@25	26.08	20.93	0.1239
5	15	20	166800	834	DFT-s-OFDM QPSK	1@1	26.16	21.01	0.1262
5	15	20	166800	834	DFT-s-OFDM QPSK	1@104	25.90	20.75	0.1189
5	15	20	166800	834	DFT-s-OFDM 16 QAM	50@25	25.38	20.23	0.1054
5	15	20	166800	834	DFT-s-OFDM 16 QAM	1@1	25.76	20.61	0.1151
5	15	20	166800	834	DFT-s-OFDM 16 QAM	1@104	25.49	20.34	0.1081
5	15	20	166800	834	DFT-s-OFDM 64 QAM	50@25	23.76	18.61	0.0726
5	15	20	166800	834	DFT-s-OFDM 64 QAM	1@1	24.12	18.97	0.0789
5	15	20	166800	834	DFT-s-OFDM 64 QAM	1@104	23.96	18.81	0.0760
5	15	20	166800	834	DFT-s-OFDM 256 QAM	50@25	21.70	16.55	0.0452
5	15	20	166800	834	DFT-s-OFDM 256 QAM	1@1	21.77	16.62	0.0459
5	15	20	166800	834	DFT-s-OFDM 256 QAM	1@104	21.59	16.44	0.0441
5	15	20	166800	834	CP-OFDM QPSK	53@26	24.66	19.51	0.0893
5	15	20	166800	834	CP-OFDM 16 QAM	53@26	24.19	19.04	0.0802
5	15	20	166800	834	CP-OFDM 64 QAM	53@26	22.65	17.50	0.0562
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	50@25	26.12	20.97	0.1250
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	26.29	21.14	0.1300
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@104	26.12	20.97	0.1250
5	15	20	167300	836.5	DFT-s-OFDM QPSK	50@25	25.99	20.84	0.1213



5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@1	26.16	21.01	0.1262
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@104	25.99	20.84	0.1213
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	50@25	25.37	20.22	0.1052
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@1	25.80	20.65	0.1161
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@104	25.51	20.36	0.1086
5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	50@25	23.79	18.64	0.0731
5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@1	24.17	19.02	0.0798
5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@104	23.97	18.82	0.0762
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	50@25	21.75	16.60	0.0457
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@1	21.85	16.70	0.0468
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@104	21.62	16.47	0.0444
5	15	20	167300	836.5	CP-OFDM QPSK	53@26	24.74	19.59	0.0910
5	15	20	167300	836.5	CP-OFDM 16 QAM	53@26	24.28	19.13	0.0818
5	15	20	167300	836.5	CP-OFDM 64 QAM	53@26	22.70	17.55	0.0569
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	50@25	26.03	20.88	0.1225
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@1	26.17	21.02	0.1265
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@104	26.13	20.98	0.1253
5	15	20	167800	839	DFT-s-OFDM QPSK	50@25	26.01	20.86	0.1219
5	15	20	167800	839	DFT-s-OFDM QPSK	1@1	26.10	20.95	0.1245
5	15	20	167800	839	DFT-s-OFDM QPSK	1@104	26.04	20.89	0.1227
5	15	20	167800	839	DFT-s-OFDM 16 QAM	50@25	25.33	20.18	0.1042
5	15	20	167800	839	DFT-s-OFDM 16 QAM	1@1	25.74	20.59	0.1146
5	15	20	167800	839	DFT-s-OFDM 16 QAM	1@104	25.55	20.40	0.1096
5	15	20	167800	839	DFT-s-OFDM 64 QAM	50@25	23.79	18.64	0.0731
5	15	20	167800	839	DFT-s-OFDM 64 QAM	1@1	24.16	19.01	0.0796
5	15	20	167800	839	DFT-s-OFDM 64 QAM	1@104	23.98	18.83	0.0764
5	15	20	167800	839	DFT-s-OFDM 256 QAM	50@25	21.71	16.56	0.0453
5	15	20	167800	839	DFT-s-OFDM 256 QAM	1@1	21.82	16.67	0.0465
5	15	20	167800	839	DFT-s-OFDM 256 QAM	1@104	21.56	16.41	0.0438
5	15	20	167800	839	CP-OFDM QPSK	53@26	24.69	19.54	0.0899
5	15	20	167800	839	CP-OFDM 16 QAM	53@26	24.20	19.05	0.0804
5	15	20	167800	839	CP-OFDM 64 QAM	53@26	22.65	17.50	0.0562



Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0024	PASS	NV
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0019	PASS	LV
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0021	PASS	HV
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0000	PASS	-30°C
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0042	PASS	-20°C
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0042	PASS	-10°C
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0039	PASS	0°C
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0023	PASS	10°C
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0048	PASS	20°C
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0001	PASS	30°C
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0034	PASS	40°C
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0040	PASS	50°C

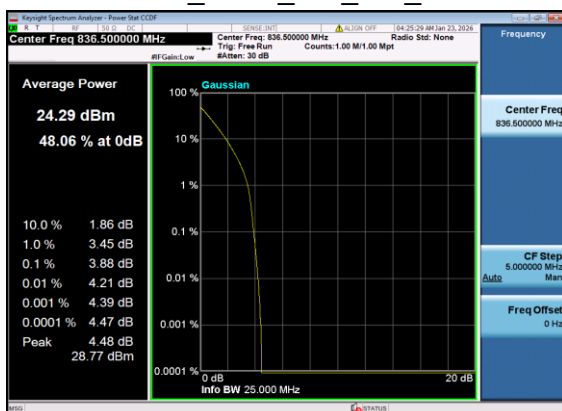


Peak to Average Ratio

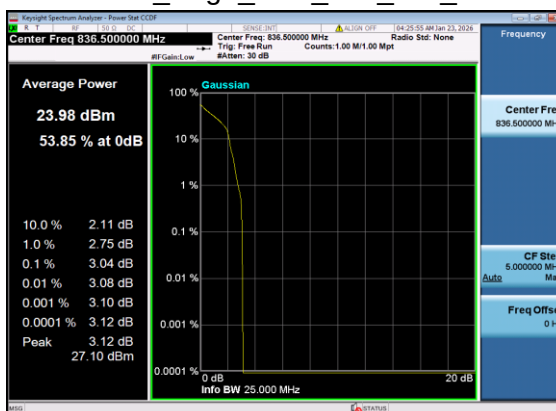
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	100@0	3.88	13	PASS
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@0	3.04	13	PASS
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	4.71	13	PASS
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@0	3.68	13	PASS



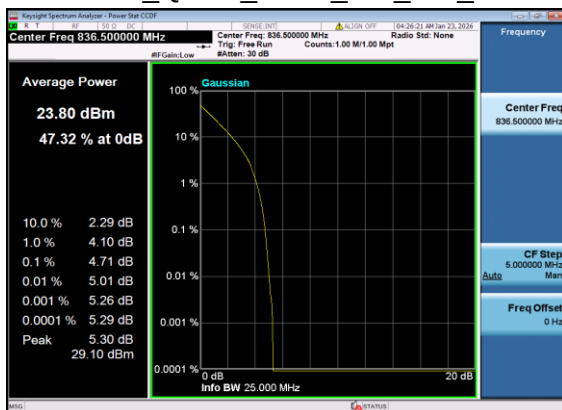
B7_N5(20M)_DFT-s-OFDM_PI_2-
BPSK_Outer_Full_Mid_CH



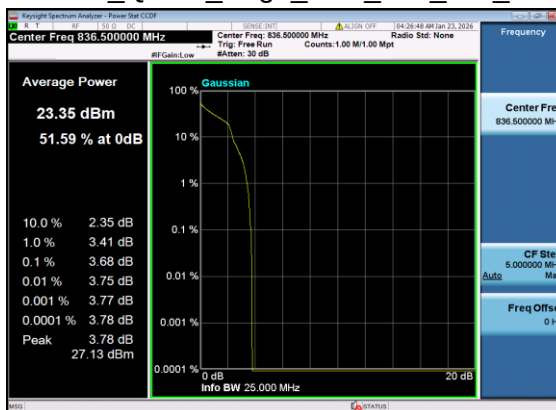
B7_N5(20M)_DFT-s-OFDM_PI_2-
BPSK_Edge_1RB_Left_Mid_CH



B7_N5(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Mid_CH



B7_N5(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH

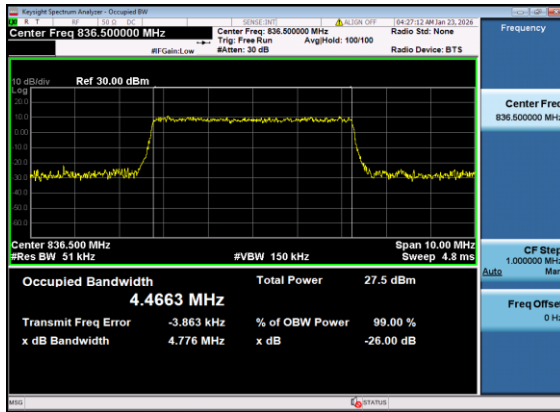


**Occupied Bandwidth**

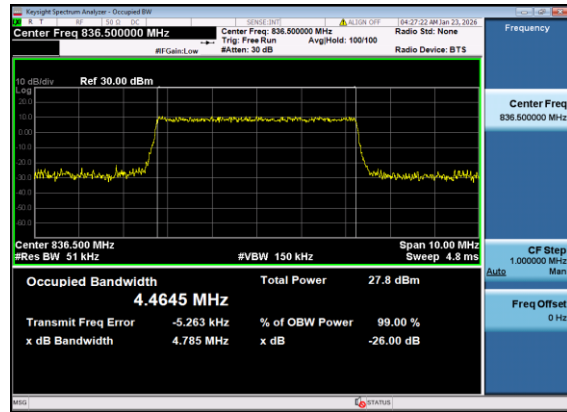
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
5	15	5	167300	836.5	CP-OFDM QPSK	25@0	4.4663	4.776
5	15	5	167300	836.5	CP-OFDM 16 QAM	25@0	4.4645	4.785
5	15	10	167300	836.5	CP-OFDM QPSK	52@0	9.2725	9.753
5	15	10	167300	836.5	CP-OFDM 16 QAM	52@0	9.2913	9.686
5	15	15	167300	836.5	CP-OFDM QPSK	79@0	14.06	14.73
5	15	15	167300	836.5	CP-OFDM 16 QAM	79@0	14.092	14.7
5	15	20	167300	836.5	CP-OFDM QPSK	106@0	18.92	19.62
5	15	20	167300	836.5	CP-OFDM 16 QAM	106@0	18.913	20.25



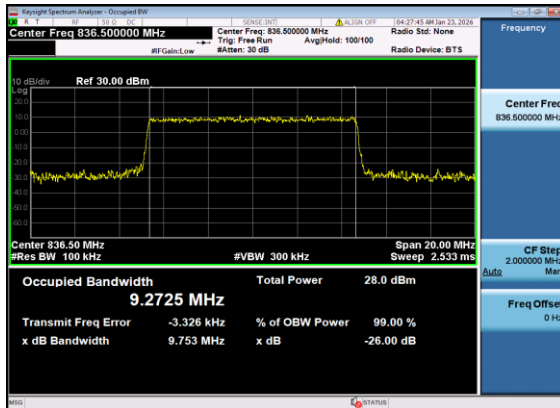
B7_N5(5M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



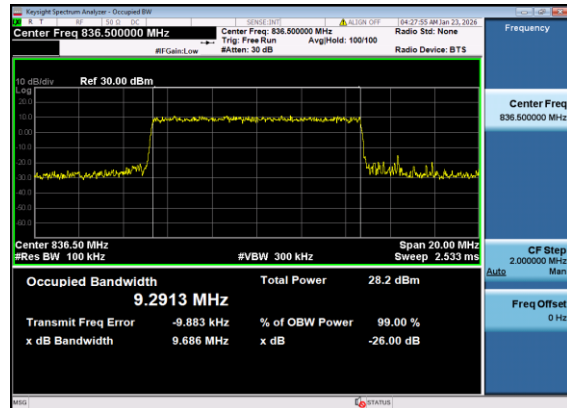
B7_N5(5M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



B7_N5(10M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH

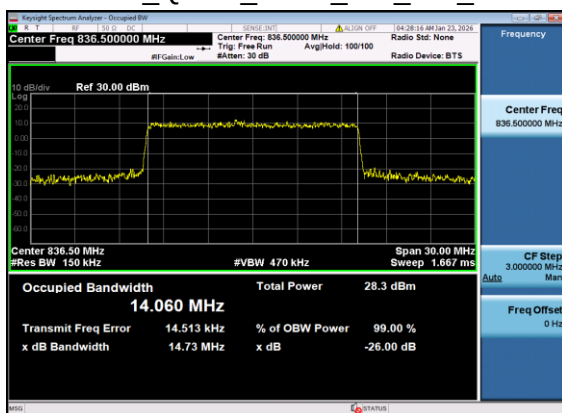


B7_N5(10M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH

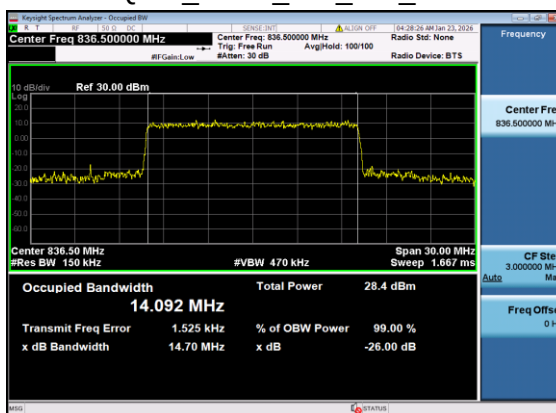




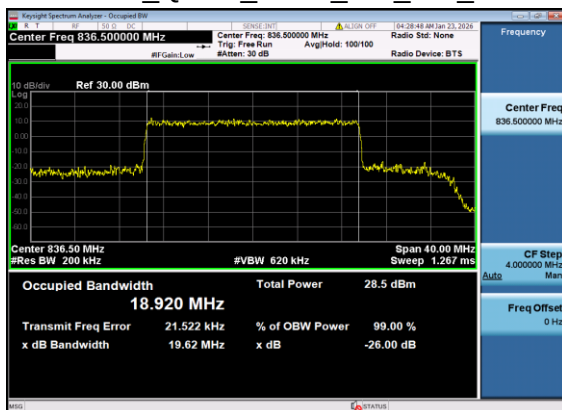
B7_N5(15M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



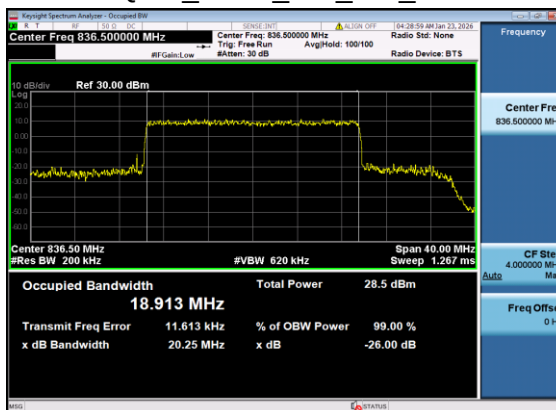
B7_N5(15M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH



B7_N5(20M)_CP-
OFDM_QPSK_Outer_Full_Mid_CH



B7_N5(20M)_CP-OFDM_16
QAM_Outer_Full_Mid_CH

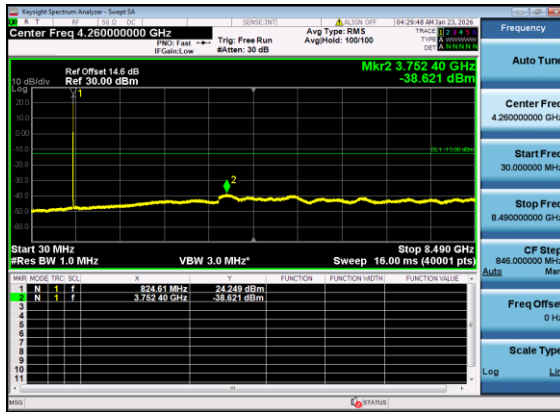


Conducted Spurious Emissions

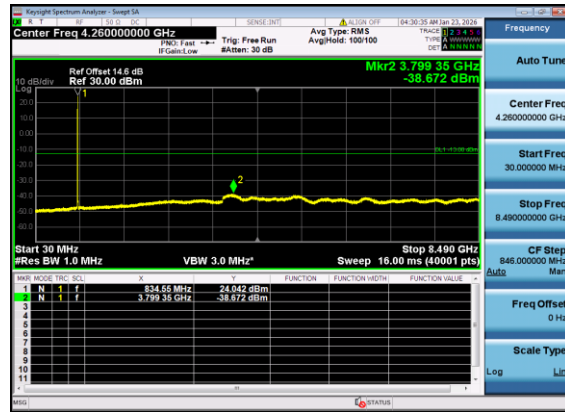
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
5	15	5	165300	826.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	5	165300	826.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	5	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	5	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	5	169300	846.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	5	169300	846.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	10	165800	829.0	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	10	165800	829.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	10	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	10	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	10	168800	844.0	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	10	168800	844.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	20	166800	834.0	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	20	166800	834.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	20	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	20	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	20	167800	839.0	DFT-s-OFDM BPSK	1@0	see graph	---
5	15	20	167800	839.0	DFT-s-OFDM BPSK	1@0	see graph	PASS



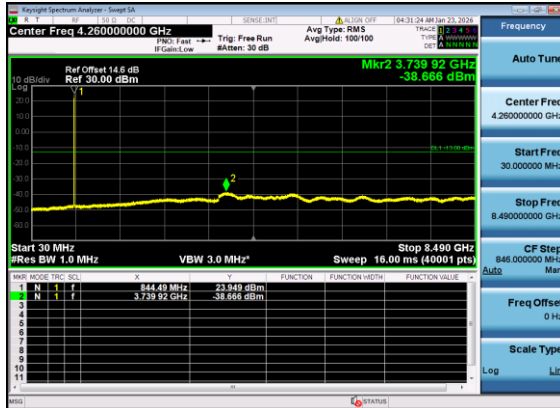
B7_N5(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



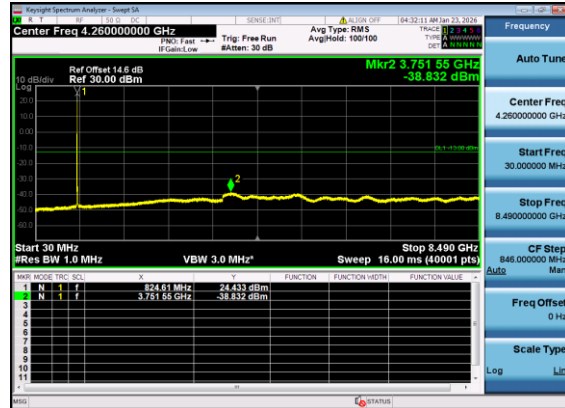
B7_N5(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



B7_N5(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH

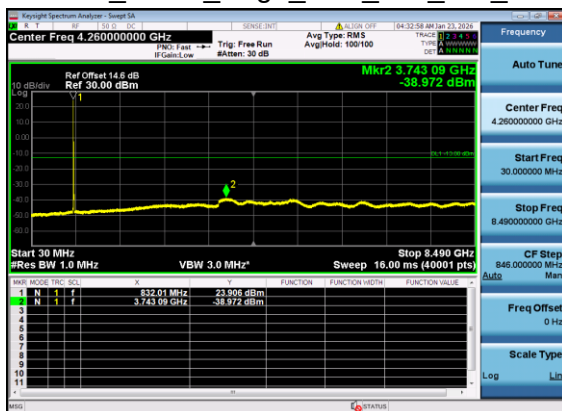


B7_N5(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH

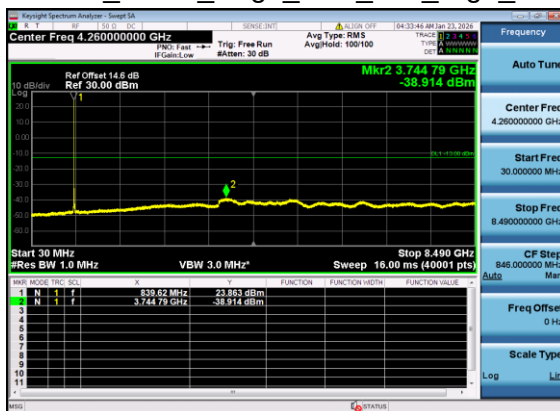




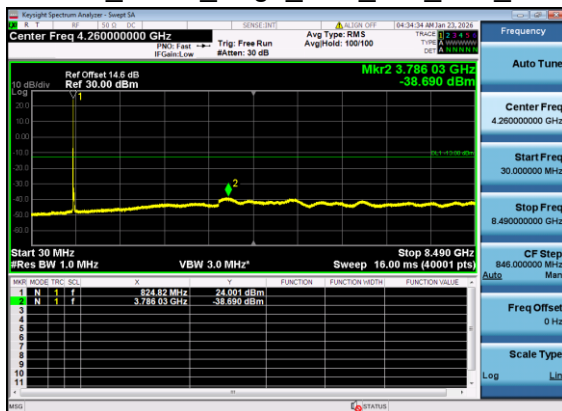
B7_N5(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



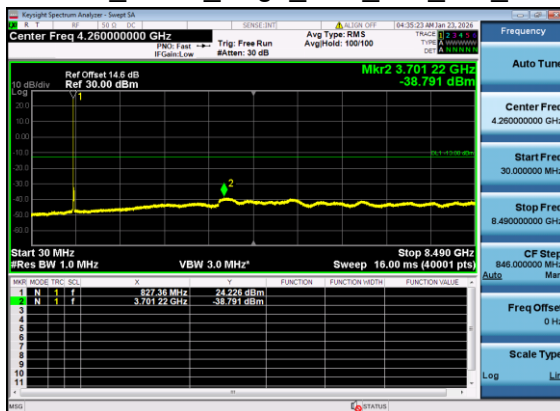
B7_N5(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



B7_N5(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH

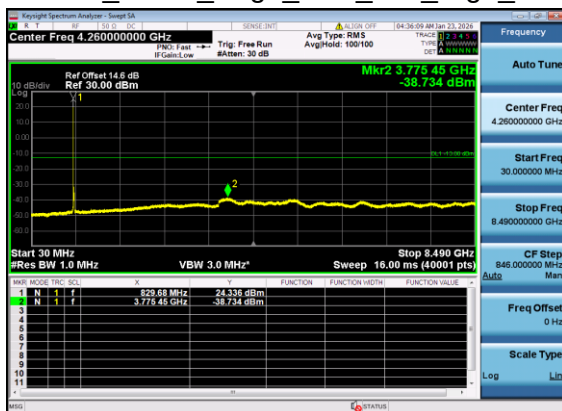


B7_N5(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH





B7_N5(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_High_CH



**Conducted Band Edge**

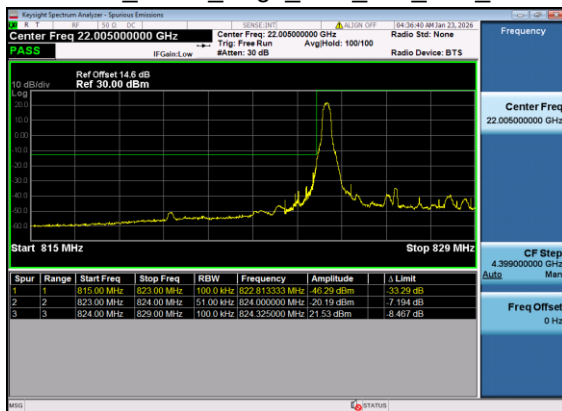
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
5	15	5	165300	826.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	5	165300	826.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	5	165300	826.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
5	15	5	165300	826.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
5	15	5	169300	846.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
5	15	5	169300	846.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
5	15	5	169300	846.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
5	15	5	169300	846.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
5	15	10	165800	829.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	10	165800	829.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	10	165800	829.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
5	15	10	165800	829.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
5	15	10	168800	844.0	DFT-s-OFDM BPSK	1@51	see graph	PASS
5	15	10	168800	844.0	DFT-s-OFDM QPSK	1@51	see graph	PASS
5	15	10	168800	844.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
5	15	10	168800	844.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
5	15	20	166800	834.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
5	15	20	166800	834.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
5	15	20	166800	834.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
5	15	20	166800	834.0	DFT-s-OFDM QPSK	100@0	see graph	PASS



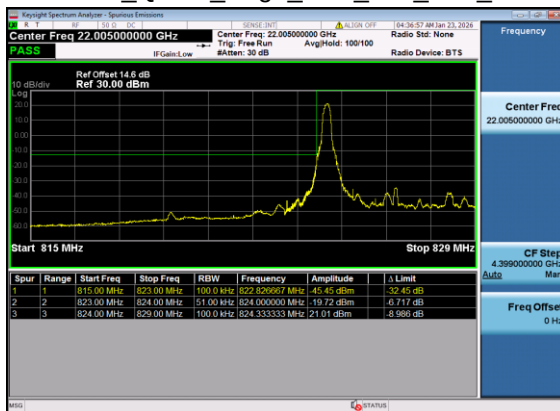
5	15	20	167800	839.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
5	15	20	167800	839.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
5	15	20	167800	839.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
5	15	20	167800	839.0	DFT-s-OFDM QPSK	100@0	see graph	PASS



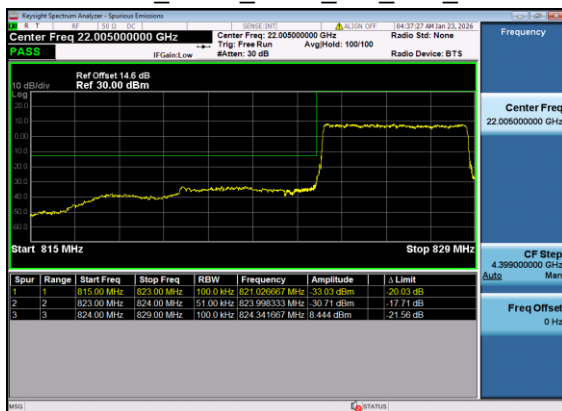
B7_N5(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



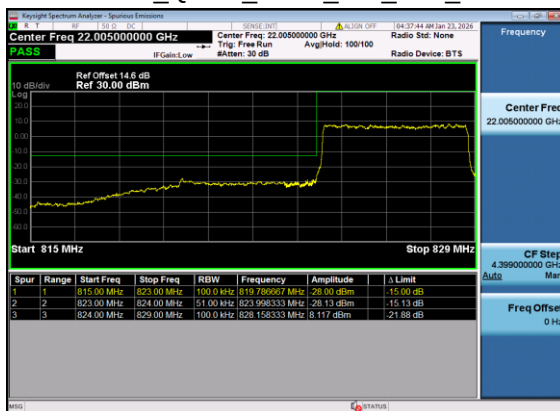
B7_N5(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



B7_N5(5M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

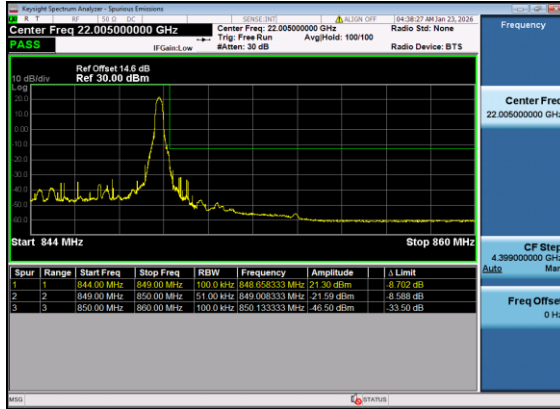


B7_N5(5M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

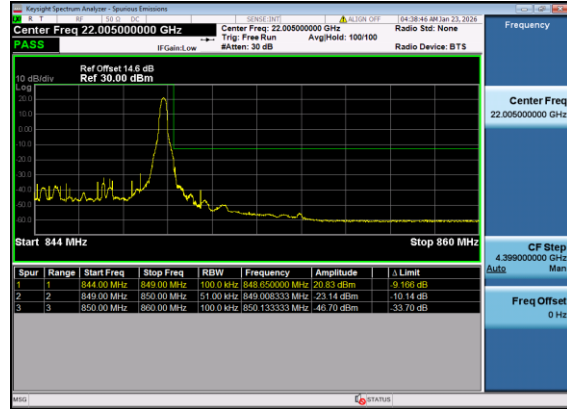




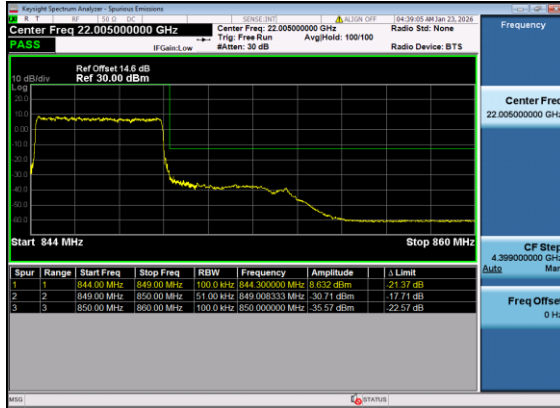
B7_N5(5M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



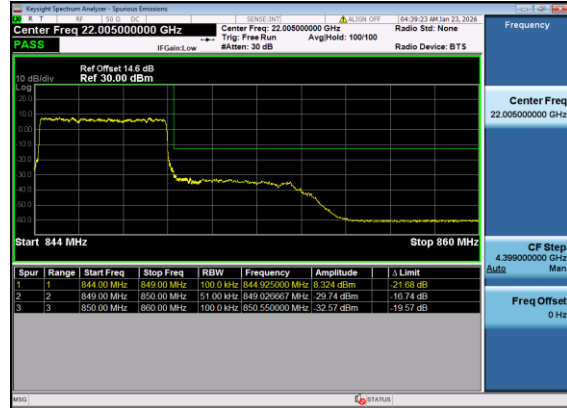
B7_N5(5M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



B7_N5(5M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

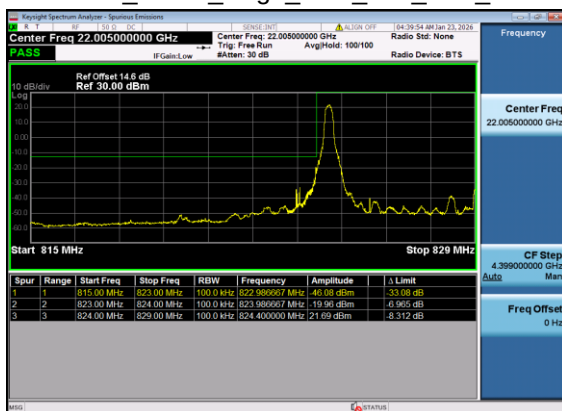


B7_N5(5M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

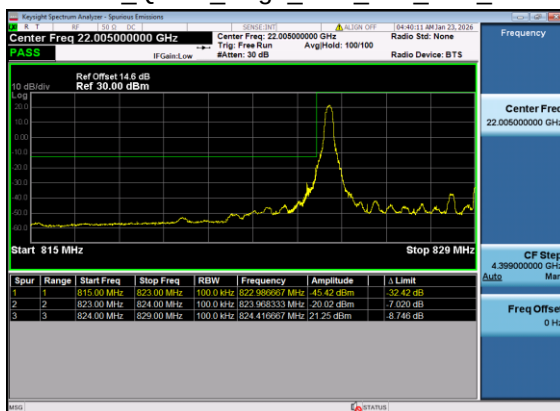




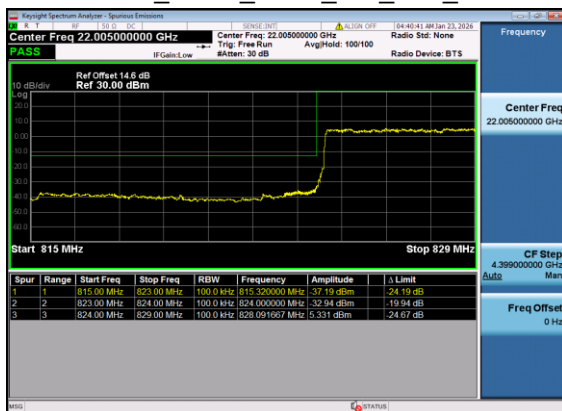
B7_N5(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



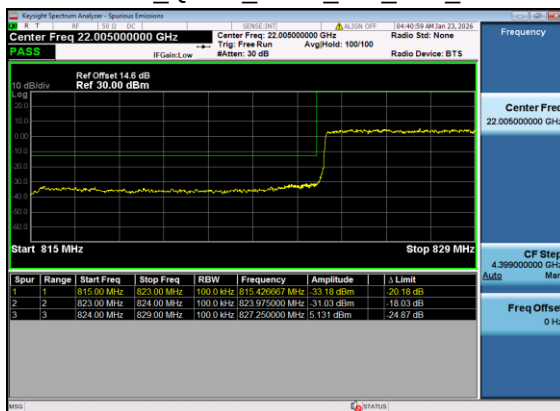
B7_N5(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



B7_N5(10M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

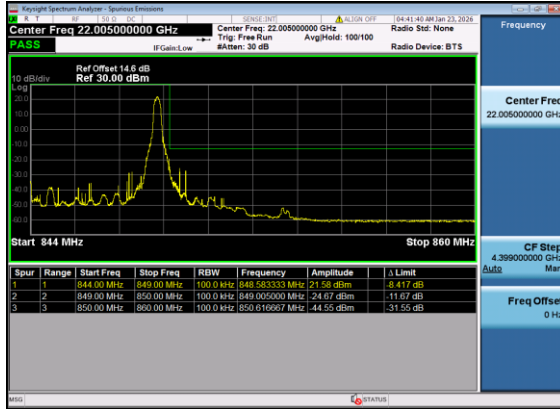


B7_N5(10M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

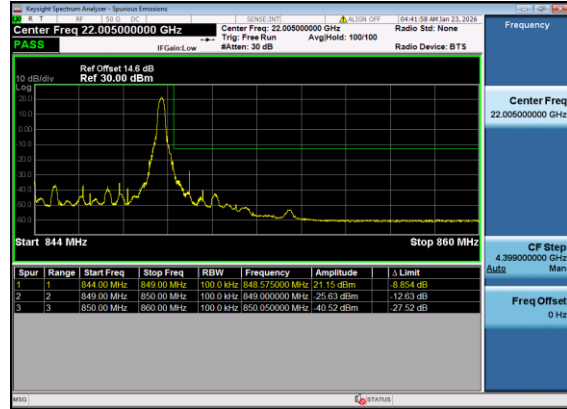




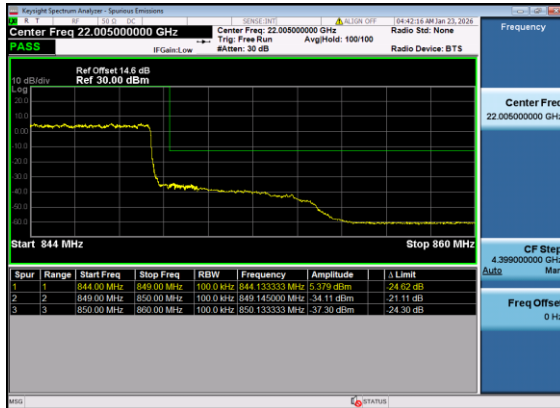
B7_N5(10M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



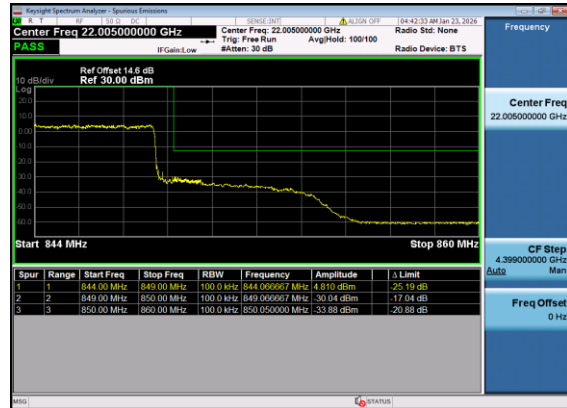
B7_N5(10M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



B7_N5(10M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH

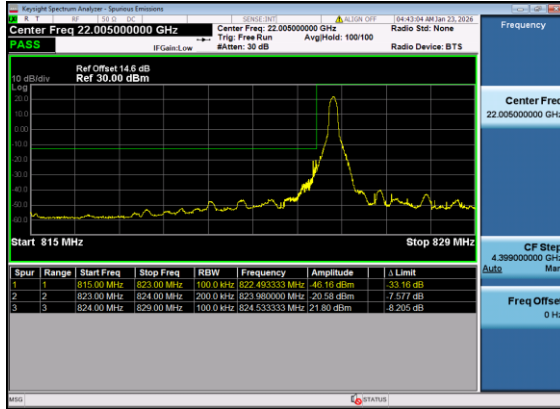


B7_N5(10M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH

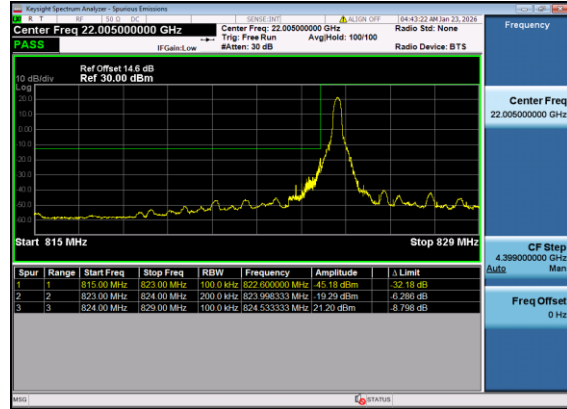




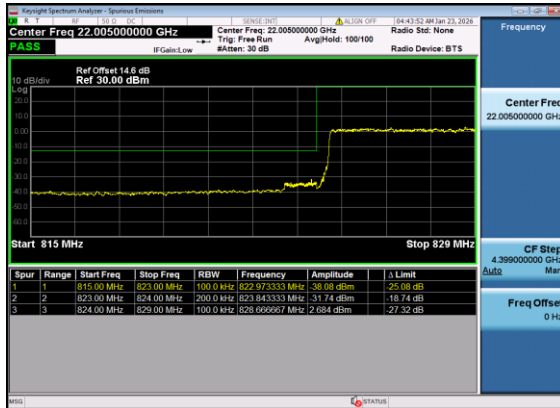
B7_N5(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



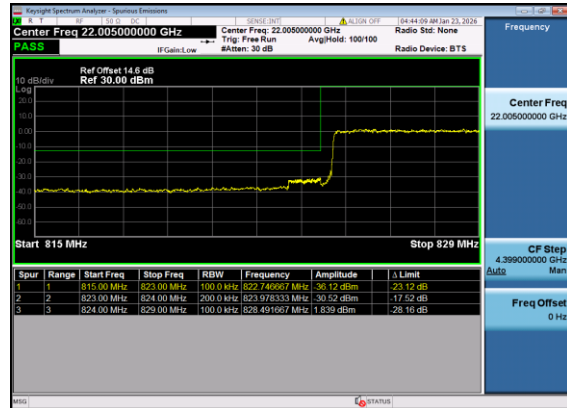
B7_N5(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Low_CH



B7_N5(20M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH

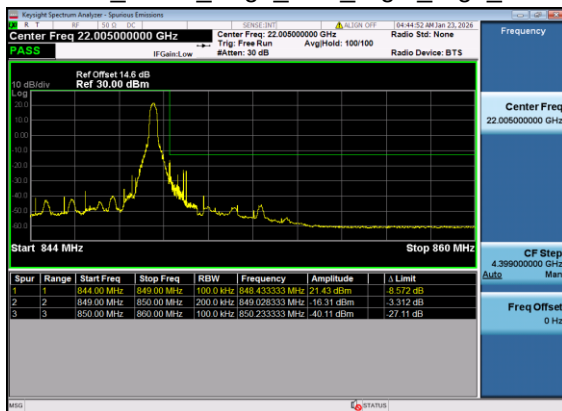


B7_N5(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH

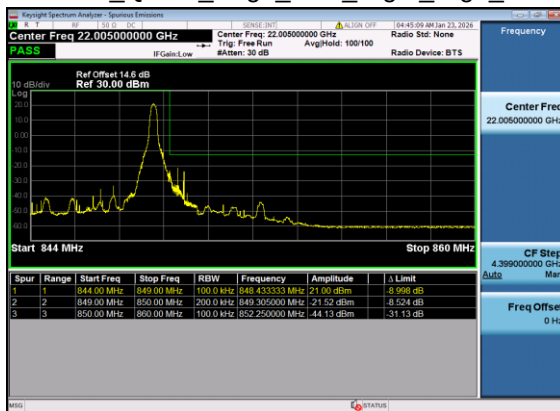




B7_N5(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



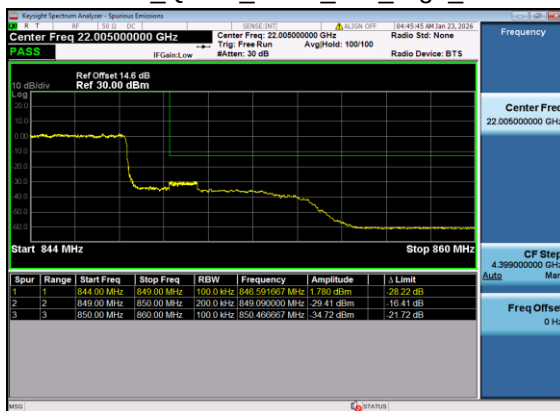
B7_N5(20M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



B7_N5(20M)_DFT-s-
OFDM_BPSK_Outer_Full_High_CH



B7_N5(20M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH





FR1 N12_ANT0

Transmitter Conducted Output Power And ERP, (G_T - L_C)=-3.82dB

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	ERP (dBm)	ERP(W)
12	15	5	140300	701.5	DFT-s-OFDM PI/2 BPSK	1@1	25.54	19.57	0.0906
12	15	5	140300	701.5	DFT-s-OFDM QPSK	1@1	25.90	19.93	0.0984
12	15	5	140300	701.5	DFT-s-OFDM 16 QAM	1@1	24.55	18.58	0.0721
12	15	5	141500	707.5	DFT-s-OFDM PI/2 BPSK	1@1	25.48	19.51	0.0893
12	15	5	141500	707.5	DFT-s-OFDM QPSK	1@1	25.89	19.92	0.0982
12	15	5	141500	707.5	DFT-s-OFDM 16 QAM	1@1	24.73	18.76	0.0752
12	15	5	142700	713.5	DFT-s-OFDM PI/2 BPSK	1@1	25.29	19.32	0.0855
12	15	5	142700	713.5	DFT-s-OFDM QPSK	1@1	25.73	19.76	0.0946
12	15	5	142700	713.5	DFT-s-OFDM 16 QAM	1@1	24.75	18.78	0.0755
12	15	10	140800	704	DFT-s-OFDM PI/2 BPSK	1@1	25.34	19.37	0.0865
12	15	10	140800	704	DFT-s-OFDM QPSK	1@1	25.71	19.74	0.0942
12	15	10	140800	704	DFT-s-OFDM 16 QAM	1@1	24.56	18.59	0.0723
12	15	10	141500	707.5	DFT-s-OFDM PI/2 BPSK	1@1	25.62	19.65	0.0923
12	15	10	141500	707.5	DFT-s-OFDM QPSK	1@1	25.30	19.33	0.0857
12	15	10	141500	707.5	DFT-s-OFDM 16 QAM	1@1	24.74	18.77	0.0753
12	15	10	142200	711	DFT-s-OFDM PI/2 BPSK	1@1	25.42	19.45	0.0881
12	15	10	142200	711	DFT-s-OFDM QPSK	1@1	25.34	19.37	0.0865
12	15	10	142200	711	DFT-s-OFDM 16 QAM	1@1	24.67	18.70	0.0741
12	15	15	141300	706.5	DFT-s-OFDM PI/2 BPSK	1@1	25.46	19.49	0.0889
12	15	15	141300	706.5	DFT-s-OFDM PI/2 BPSK	1@0	24.95	18.98	0.0791
12	15	15	141300	706.5	DFT-s-OFDM PI/2 BPSK	1@77	25.56	19.59	0.0910
12	15	15	141300	706.5	DFT-s-OFDM PI/2 BPSK	2@0	25.18	19.21	0.0834
12	15	15	141300	706.5	DFT-s-OFDM PI/2 BPSK	36@18	25.55	19.58	0.0908
12	15	15	141300	706.5	DFT-s-OFDM PI/2 BPSK	2@77	24.98	19.01	0.0796
12	15	15	141300	706.5	DFT-s-OFDM PI/2 BPSK	75@0	25.06	19.09	0.0811
12	15	15	141300	706.5	DFT-s-OFDM QPSK	1@1	25.34	19.37	0.0865
12	15	15	141300	706.5	DFT-s-OFDM QPSK	1@0	24.47	18.50	0.0708
12	15	15	141300	706.5	DFT-s-OFDM QPSK	1@77	25.25	19.28	0.0847
12	15	15	141300	706.5	DFT-s-OFDM QPSK	2@0	24.64	18.67	0.0736
12	15	15	141300	706.5	DFT-s-OFDM QPSK	36@18	25.57	19.60	0.0912
12	15	15	141300	706.5	DFT-s-OFDM QPSK	2@77	24.62	18.65	0.0733
12	15	15	141300	706.5	DFT-s-OFDM QPSK	75@0	24.67	18.70	0.0741
12	15	15	141300	706.5	DFT-s-OFDM 16 QAM	1@1	24.69	18.72	0.0745
12	15	15	141300	706.5	DFT-s-OFDM 64 QAM	1@1	22.99	17.02	0.0504
12	15	15	141300	706.5	DFT-s-OFDM 256 QAM	1@1	21.38	15.41	0.0348
12	15	15	141300	706.5	DFT-s-OFDM 16 QAM	75@0	23.60	17.63	0.0579



12	15	15	141300	706.5	DFT-s-OFDM 64 QAM	75@0	23.12	17.15	0.0519
12	15	15	141300	706.5	DFT-s-OFDM 256 QAM	75@0	21.07	15.10	0.0324
12	15	15	141300	706.5	CP-OFDM QPSK	1@1	24.55	18.58	0.0721
12	15	15	141300	706.5	CP-OFDM 16 QAM	1@1	23.88	17.91	0.0618
12	15	15	141300	706.5	CP-OFDM 64 QAM	1@1	22.09	16.12	0.0409
12	15	15	141500	707.5	DFT-s-OFDM PI/2 BPSK	1@1	25.65	19.68	0.0929
12	15	15	141500	707.5	DFT-s-OFDM PI/2 BPSK	1@0	25.05	19.08	0.0809
12	15	15	141500	707.5	DFT-s-OFDM PI/2 BPSK	1@77	25.59	19.62	0.0916
12	15	15	141500	707.5	DFT-s-OFDM PI/2 BPSK	2@0	25.21	19.24	0.0839
12	15	15	141500	707.5	DFT-s-OFDM PI/2 BPSK	36@18	25.58	19.61	0.0914
12	15	15	141500	707.5	DFT-s-OFDM PI/2 BPSK	2@77	25.10	19.13	0.0818
12	15	15	141500	707.5	DFT-s-OFDM PI/2 BPSK	75@0	25.11	19.14	0.0820
12	15	15	141500	707.5	DFT-s-OFDM QPSK	1@1	25.31	19.34	0.0859
12	15	15	141500	707.5	DFT-s-OFDM QPSK	1@0	24.59	18.62	0.0728
12	15	15	141500	707.5	DFT-s-OFDM QPSK	1@77	25.36	19.39	0.0869
12	15	15	141500	707.5	DFT-s-OFDM QPSK	2@0	24.66	18.69	0.0740
12	15	15	141500	707.5	DFT-s-OFDM QPSK	36@18	25.58	19.61	0.0914
12	15	15	141500	707.5	DFT-s-OFDM QPSK	2@77	24.65	18.68	0.0738
12	15	15	141500	707.5	DFT-s-OFDM QPSK	75@0	24.64	18.67	0.0736
12	15	15	141500	707.5	DFT-s-OFDM 16 QAM	1@1	24.76	18.79	0.0757
12	15	15	141500	707.5	DFT-s-OFDM 64 QAM	1@1	22.96	16.99	0.0500
12	15	15	141500	707.5	DFT-s-OFDM 256 QAM	1@1	21.32	15.35	0.0343
12	15	15	141500	707.5	DFT-s-OFDM 16 QAM	75@0	23.57	17.60	0.0575
12	15	15	141500	707.5	DFT-s-OFDM 64 QAM	75@0	23.14	17.17	0.0521
12	15	15	141500	707.5	DFT-s-OFDM 256 QAM	75@0	21.09	15.12	0.0325
12	15	15	141500	707.5	CP-OFDM QPSK	1@1	24.45	18.48	0.0705
12	15	15	141500	707.5	CP-OFDM 16 QAM	1@1	23.89	17.92	0.0619
12	15	15	141500	707.5	CP-OFDM 64 QAM	1@1	22.15	16.18	0.0415
12	15	15	141700	708.5	DFT-s-OFDM PI/2 BPSK	1@1	25.68	19.71	0.0935
12	15	15	141700	708.5	DFT-s-OFDM PI/2 BPSK	1@0	25.07	19.10	0.0813
12	15	15	141700	708.5	DFT-s-OFDM PI/2 BPSK	1@77	25.59	19.62	0.0916
12	15	15	141700	708.5	DFT-s-OFDM PI/2 BPSK	2@0	25.20	19.23	0.0838
12	15	15	141700	708.5	DFT-s-OFDM PI/2 BPSK	36@18	25.58	19.61	0.0914
12	15	15	141700	708.5	DFT-s-OFDM PI/2 BPSK	2@77	25.16	19.19	0.0830
12	15	15	141700	708.5	DFT-s-OFDM PI/2 BPSK	75@0	25.10	19.13	0.0818
12	15	15	141700	708.5	DFT-s-OFDM QPSK	1@1	25.50	19.53	0.0897
12	15	15	141700	708.5	DFT-s-OFDM QPSK	1@0	24.57	18.60	0.0724
12	15	15	141700	708.5	DFT-s-OFDM QPSK	1@77	25.16	19.19	0.0830
12	15	15	141700	708.5	DFT-s-OFDM QPSK	2@0	24.70	18.73	0.0746
12	15	15	141700	708.5	DFT-s-OFDM QPSK	36@18	25.59	19.62	0.0916
12	15	15	141700	708.5	DFT-s-OFDM QPSK	2@77	24.75	18.78	0.0755
12	15	15	141700	708.5	DFT-s-OFDM QPSK	75@0	24.63	18.66	0.0735



12	15	15	141700	708.5	DFT-s-OFDM 16 QAM	1@1	24.84	18.87	0.0771
12	15	15	141700	708.5	DFT-s-OFDM 64 QAM	1@1	23.05	17.08	0.0511
12	15	15	141700	708.5	DFT-s-OFDM 256 QAM	1@1	21.33	15.36	0.0344
12	15	15	141700	708.5	DFT-s-OFDM 16 QAM	75@0	23.60	17.63	0.0579
12	15	15	141700	708.5	DFT-s-OFDM 64 QAM	75@0	23.12	17.15	0.0519
12	15	15	141700	708.5	DFT-s-OFDM 256 QAM	75@0	21.08	15.11	0.0324
12	15	15	141700	708.5	CP-OFDM QPSK	1@1	24.61	18.64	0.0731
12	15	15	141700	708.5	CP-OFDM 16 QAM	1@1	23.96	17.99	0.0630
12	15	15	141700	708.5	CP-OFDM 64 QAM	1@1	22.20	16.23	0.0420



Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0024	PASS	NV
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0020	PASS	LV
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0019	PASS	HV
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0000	PASS	-30°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0043	PASS	-20°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0043	PASS	-10°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0038	PASS	0°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0023	PASS	10°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0047	PASS	20°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0001	PASS	30°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0035	PASS	40°C
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	0.0038	PASS	50°C



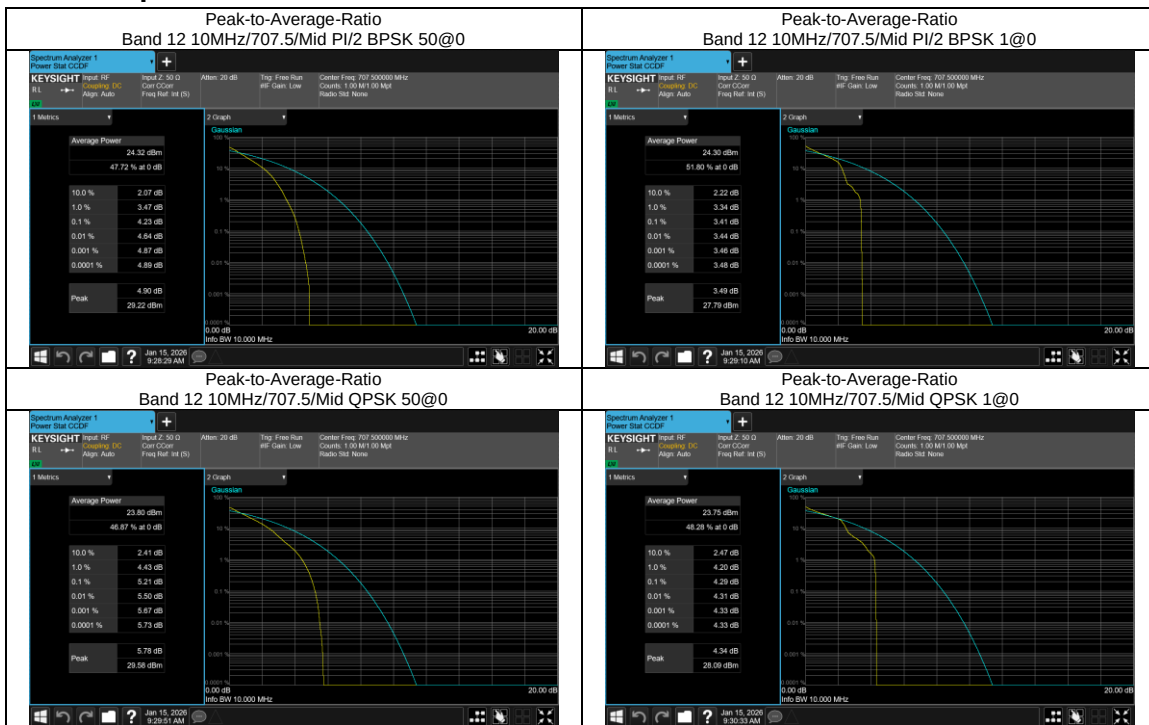
Peak to Average Ratio

Test Result

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Result	Verdict
12	15	10	141500	707.5	DFT-s-OFDM PI/2 BPSK	50@0	4.23	13
12	15	10	141500	707.5	DFT-s-OFDM PI/2 BPSK	1@0	3.41	13
12	15	10	141500	707.5	DFT-s-OFDM QPSK	50@0	5.21	13
12	15	10	141500	707.5	DFT-s-OFDM QPSK	1@0	4.29	13



Test Graphs





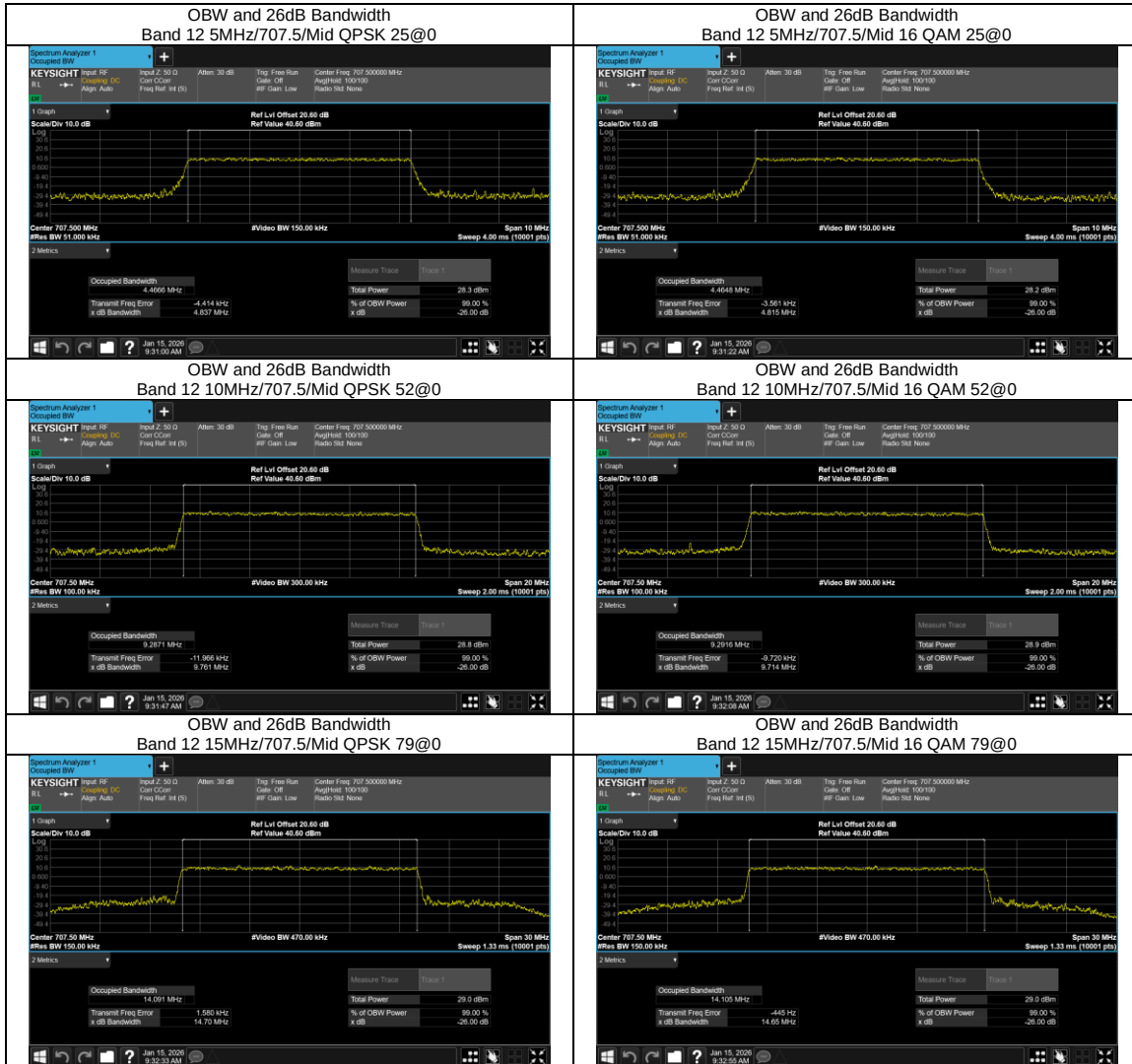
Occupied Bandwidth

Test Result

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	OBW(MHz)	26dB OBW(MHz)
12	15	5	141500	707.5	CP-OFDM QPSK	25@0	4.47	4.837
12	15	5	141500	707.5	CP-OFDM 16 QAM	25@0	4.46	4.815
12	15	10	141500	707.5	CP-OFDM QPSK	52@0	9.29	9.761
12	15	10	141500	707.5	CP-OFDM 16 QAM	52@0	9.29	9.714
12	15	15	141500	707.5	CP-OFDM QPSK	79@0	14.09	14.7
12	15	15	141500	707.5	CP-OFDM 16 QAM	79@0	14.11	14.65



Test Graphs





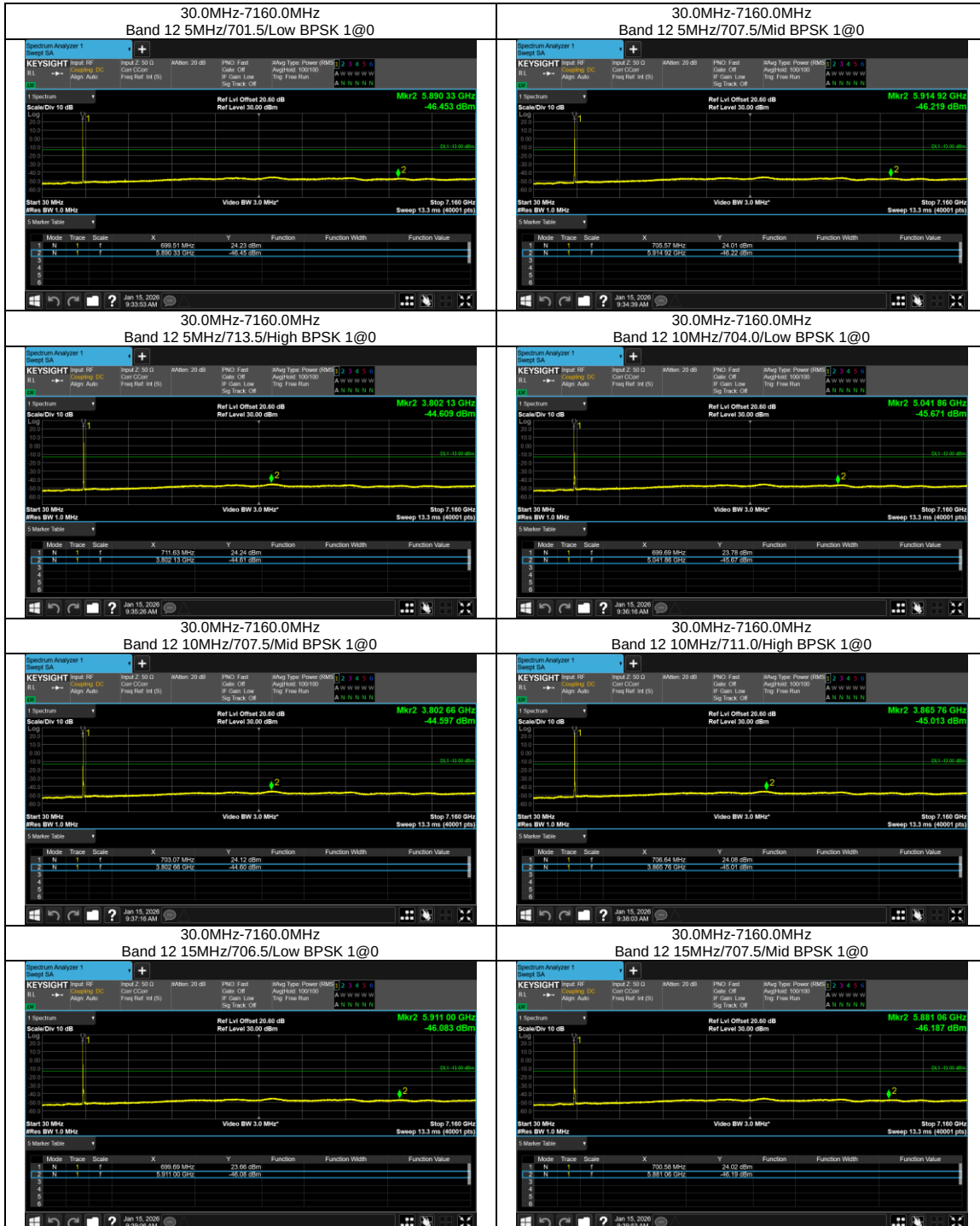
Conducted Spurious Emissions

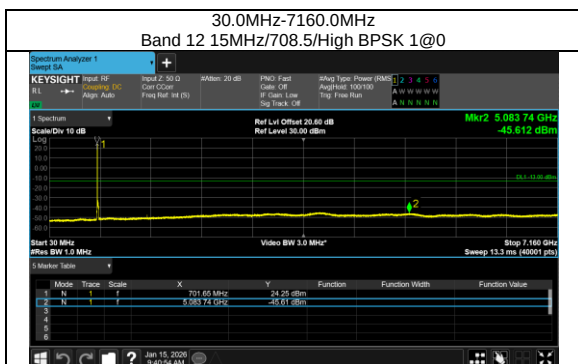
Test Result

NR Band	SCS	Band Width	Arfcn	Freq(MHz)	Modulation	RB	Result	Verdict
12	15	5	140300	701.5	DFT-s-OFDM BPSK	1@0	See graph	Pass
12	15	5	141500	707.5	DFT-s-OFDM BPSK	1@0	See graph	Pass
12	15	5	142700	713.5	DFT-s-OFDM BPSK	1@0	See graph	Pass
12	15	10	140800	704.0	DFT-s-OFDM BPSK	1@0	See graph	Pass
12	15	10	141500	707.5	DFT-s-OFDM BPSK	1@0	See graph	Pass
12	15	10	142200	711.0	DFT-s-OFDM BPSK	1@0	See graph	Pass
12	15	15	141300	706.5	DFT-s-OFDM BPSK	1@0	See graph	Pass
12	15	15	141500	707.5	DFT-s-OFDM BPSK	1@0	See graph	Pass
12	15	15	141700	708.5	DFT-s-OFDM BPSK	1@0	See graph	Pass



Test Graphs







Conducted Band Edge

Test Result

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Result	Verdict
12	15	5	140300	701.5	DFT-s-OFDM BPSK	1@0	See graph	PASS
12	15	5	140300	701.5	DFT-s-OFDM QPSK	1@0	See graph	PASS
12	15	5	140300	701.5	DFT-s-OFDM BPSK	25@0	See graph	PASS
12	15	5	140300	701.5	DFT-s-OFDM QPSK	25@0	See graph	PASS
12	15	5	142700	713.5	DFT-s-OFDM BPSK	1@24	See graph	PASS
12	15	5	142700	713.5	DFT-s-OFDM QPSK	1@24	See graph	PASS
12	15	5	142700	713.5	DFT-s-OFDM BPSK	25@0	See graph	PASS
12	15	5	142700	713.5	DFT-s-OFDM QPSK	25@0	See graph	PASS
12	15	10	140800	704.0	DFT-s-OFDM BPSK	1@0	See graph	PASS
12	15	10	140800	704.0	DFT-s-OFDM QPSK	1@0	See graph	PASS
12	15	10	140800	704.0	DFT-s-OFDM BPSK	50@0	See graph	PASS
12	15	10	140800	704.0	DFT-s-OFDM QPSK	50@0	See graph	PASS
12	15	10	142200	711.0	DFT-s-OFDM BPSK	1@51	See graph	PASS
12	15	10	142200	711.0	DFT-s-OFDM QPSK	1@51	See graph	PASS
12	15	10	142200	711.0	DFT-s-OFDM BPSK	50@0	See graph	PASS
12	15	10	142200	711.0	DFT-s-OFDM QPSK	50@0	See graph	PASS
12	15	15	141300	706.5	DFT-s-OFDM BPSK	1@0	See graph	PASS
12	15	15	141300	706.5	DFT-s-OFDM QPSK	1@0	See graph	PASS
12	15	15	141300	706.5	DFT-s-OFDM BPSK	75@0	See graph	PASS
12	15	15	141300	706.5	DFT-s-OFDM QPSK	75@0	See graph	PASS
12	15	15	141700	708.5	DFT-s-OFDM BPSK	1@78	See graph	PASS
12	15	15	141700	708.5	DFT-s-OFDM QPSK	1@78	See graph	PASS
12	15	15	141700	708.5	DFT-s-OFDM BPSK	75@0	See graph	PASS
12	15	15	141700	708.5	DFT-s-OFDM QPSK	75@0	See graph	PASS