



FCC RF Test Report

APPLICANT : Lenovo(Shanghai) Electronics Technology Co., Ltd.
EQUIPMENT : Portable Tablet Computer
BRAND NAME : Lenovo
MODEL NAME : TB361ZU
FCC ID : O57TB361ZU
STANDARD : 47 CFR Part 22, 27
CLASSIFICATION : PCS Licensed Transmitter (PCB)
TEST DATE(S) : Jun. 22, 2025 ~ Jul. 14, 2025

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

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

Fly Liang



Approved by: Fly Liang

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People's Republic of China



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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 n71)	ERP < 3 Watt		
3.5	N/A	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 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 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 n71)	< 43+10log ₁₀ (P[Watts])	PASS	Under limit 25.34 dB at 10104.36 MHz

Conformity Assessment Condition:

- 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.
- 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

Lenovo(Shanghai) Electronics Technology Co., Ltd.

Section 304-305, Building No. 4, # 222, Meiyue Road, China (Shanghai) Pilot Free Trade Zone

1.2 Manufacturer

Lenovo PC HK Limited

23/F, Lincoln House, Taikoo Place 979 King's Road, Quarry Bay, Hong Kong, China

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Portable Tablet Computer
Brand Name	Lenovo
Model Name	TB361ZU
FCC ID	O57TB361ZU
IMEI Code	Conducted : 867009070008886 Radiation : 867009070017424
HW Version	TB361ZU
SW Version	Lenovo ZUI 17.0
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 n26 : 824 MHz ~ 849 MHz 5G NR n71: 663 MHz ~ 698 MHz
Rx Frequency	5G NR n5 : 869 MHz ~ 894 MHz 5G NR n26 : 869 MHz ~ 894 MHz 5G NR n71: 617 MHz ~ 652 MHz
Bandwidth	n5, n26, n71: 5MHz / 10MHz / 15MHz / 20MHz
SCS	15kHz
Antenna Gain	<Ant. 0>: n5/n26: -3.32 dBi n71: -4.65 dBi
Type of Modulation	CP-OFDM: QPSK / 16QAM / 64QAM / 256QAM DFT-s-OFDM: PI/2 BPSK / QPSK / 16QAM / 64QAM / 256QAM

Remark:

1. 5G NR support SA (n5/n26/n71) mode and NSA(n5) mode. According to the maximum power between SA and NSA mode, SA covers NSA mode for n5.
2. All the supported ENDC combinations are verified conducted power, only the ENDC combination with highest power are shown in the report.



- 3. 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	0.0521	4M46G7D	0.0412	4M17W7D
10	829.0 ~ 844.0	0.0533	9M27G7D	0.0425	9M29W7D
15	831.5 ~ 841.5	0.0541	14M1G7D	0.0428	14M1W7D
20	834.0 ~ 839.0	0.0542	18M9G7D	0.0431	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	0.0604	4M46G7D	0.0492	4M17W7D
10	829.0 ~ 844.0	0.0596	9M27G7D	0.0493	9M29W7D
15	831.5 ~ 841.5	0.0601	14M1G7D	0.0491	14M1W7D
20	834.0 ~ 839.0	0.0628	18M9G7D	0.0509	18M9W7D

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	0.0485	4M46G7D	0.0394	4M47W7D
10	668.0 ~ 693.0	0.0488	9M27G7D	0.0401	9M29W7D
15	670.5 ~ 690.5	0.0509	14M1G7D	0.0421	14M1W7D
20	673.0 ~ 688.0	0.0511	18M9G7D	0.0398	18M9W7D

Note:

- 1. 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.
- 2. 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. (ShenZhen) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.01.

Test Firm	Sporton International Inc. (ShenZhen)		
Test Site Location	101, 1st Floor, Block B, Building 1, No. 2, Tengfeng 4th Road, Fenghuang Community, Fuyong Street, Baoan District, Shenzhen City, Guangdong Province 518103 People's Republic of China TEL: +86-755-86066985		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	TH01-SZ 03CH02-SZ	CN1256	421272

1.8 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH02-SZ	AUDIX	E3	6.2009-8-24a

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.

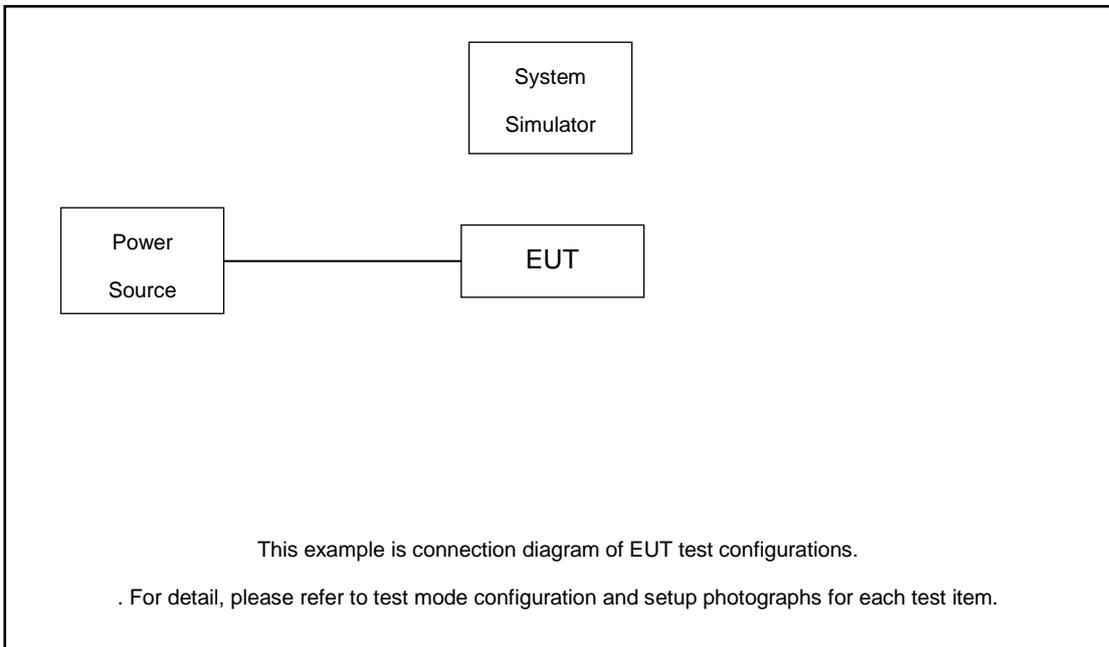
For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases (X/Z plane) were recorded in this report.

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.

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	35	40	45	70	80	90	100	PI/2 BPSK	QPSK	16 QAM	64 QAM	256 QAM	1	Full	L	M	H	
Max. Output Power	n5	v	v	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	v
	n71	v	v	v	v	-	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	v
Peak-to-Average Ratio	n26				v	-	-	-	-	-	-	-	-	v	v					v		v			
	n71				v	-	-	-	-	-	-	-	-	v	v					v		v			
26dB and 99% Bandwidth	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	n26	v	v		v	-	-	-	-	-	-	-	-	v	v					v	v	v		v	
	n71	v	v		v	-	-	-	-	-	-	-	-	v	v					v	v	v		v	
Conducted Spurious Emission	n26	v	v		v	-	-	-	-	-	-	-	-	v	v					v		v	v	v	
	n71	v	v		v	-	-	-	-	-	-	-	-	v	v					v		v	v	v	
Frequency Stability	n26				v	-	-	-	-	-	-	-	-		v					v		v			
	n71				v	-	-	-	-	-	-	-	-		v					v		v			
E.R.P	n5	v	v	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	v	
	n71	v	v	v	v	-	-	-	-	-	-	-	-	v	v	v	v	v	v	v	v	v	v	v	
Radiated Spurious Emission	n5	Worst Case																						v	
	n26	Worst Case																						v	
	n71	Worst Case																						v	
Note	<ol style="list-style-type: none"> The mark "v" means that this configuration is chosen for testing The mark "-" means that this bandwidth is not supported. 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. Frequency Stability : Normal Voltage = 3.91V ; Low Voltage =3.50V. ; High Voltage =4.50V 																								

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 between EUT conducted output port and spectrum analyzer. With the offset compensation, the spectrum analyzer reading level is exactly the EUT RF output level.

The spectrum analyzer offset is derived from RF cable loss.

Offset = RF cable loss.

Following shows an offset computation example with cable loss 7.5 dB.

Example :

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



= 7.5(dB)

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 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

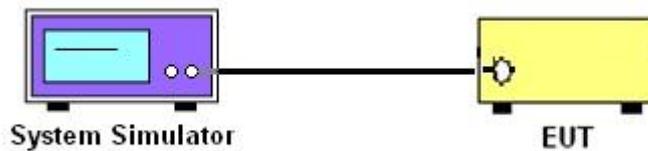
3 Conducted Test Items

3.1 Measuring Instruments

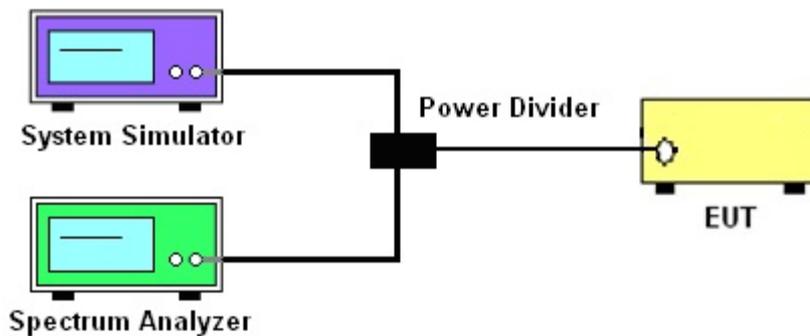
See list of measuring instruments of this test report.

3.2 Test Setup

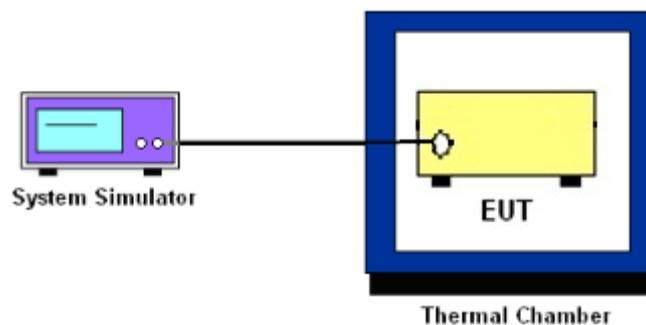
3.2.1 Conducted Output Power



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 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(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(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.
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:

$$\begin{aligned} & \text{The limit line is derived from } 43 + 10\log(P)\text{dB below the transmitter power } P(\text{Watts}) \\ & = P(\text{W}) - [43 + 10\log(P)] \text{ (dB)} \\ & = [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)} = -13\text{dBm}. \end{aligned}$$

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 + 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 $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) 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.

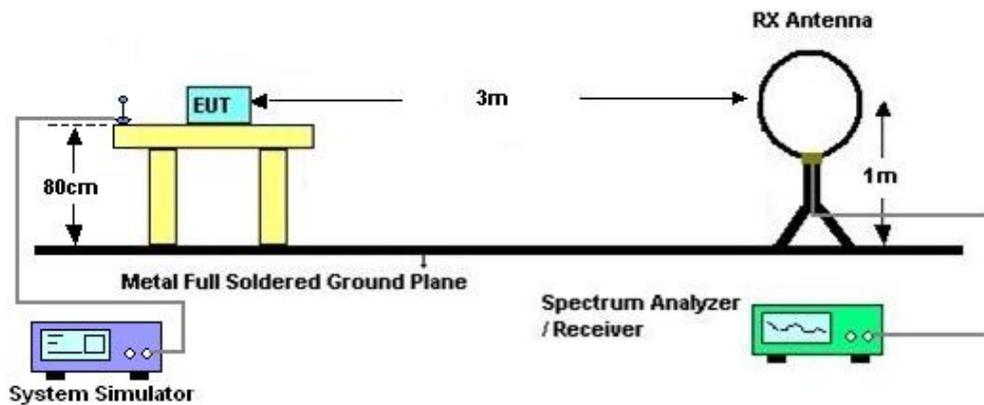
4 Radiated Test Items

4.1 Measuring Instruments

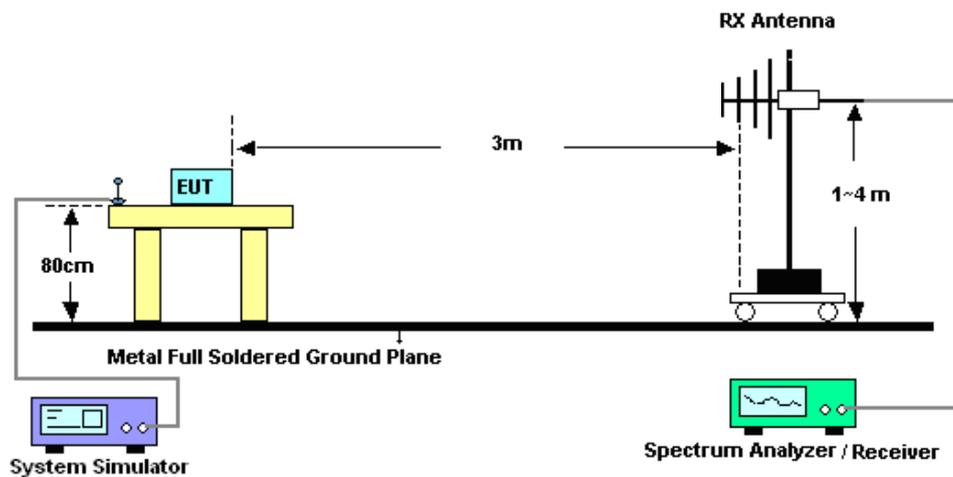
See list of measuring instruments of this test report.

4.2 Test Setup

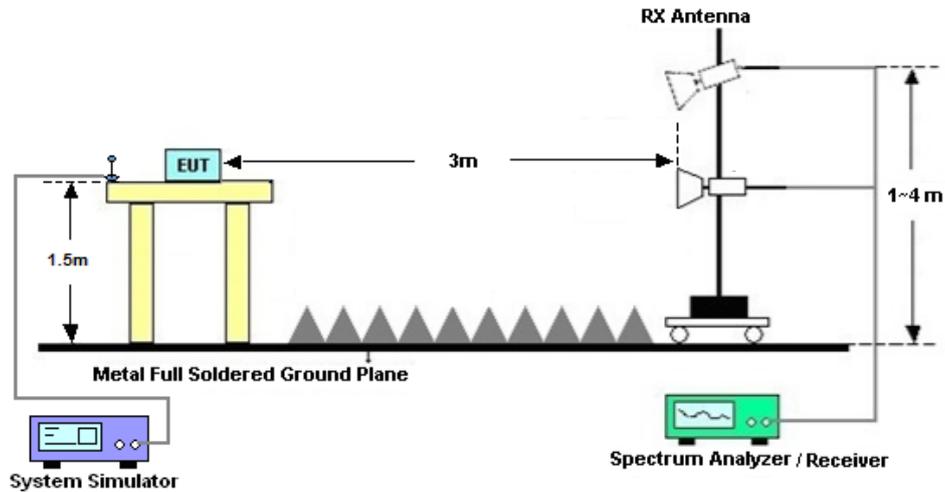
4.2.1 For radiated test below 30MHz



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. $EIRP (dBm) = S.G. Power - Tx Cable Loss + Tx Antenna Gain$
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 $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)] (dB)$
 $= [30 + 10\log(P)] (dBm) - [43 + 10\log(P)] (dB)$
 $= -13dBm.$



5 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
Spectrum Analyzer	R&S	FSV40	101078	10Hz~40GHz	Apr. 02, 2025	Jun. 22, 2025	Apr. 01, 2026	Conducted (TH01-SZ)
Power Divider	TOJOIN	PS-2SM-04 265	60.06.020.007 7	0.4GHz~26.5GHz	Dec. 24, 2024	Jun. 22, 2025	Dec. 23, 2025	Conducted (TH01-SZ)
Thermal Chamber	Ten Billion Hongzhangroup	LP-150U	H2014081803	-40~+150°C	Jul. 03, 2024	Jun. 22, 2025	Jul. 02, 2025	Conducted (TH01-SZ)
EXA Spectrum Analyzer	KEYSIGHT	N9010A	MY55150213	10Hz~44GHz	Jul. 03, 2025	Jul. 12, 2025~ Jul. 14, 2025	Jul. 02, 2026	Radiation (03CH02-SZ)
Loop Antenna	R&S	HFH2-Z2E	101141	9kHz~30MHz	Dec. 28, 2024	Jul. 12, 2025~ Jul. 14, 2025	Dec. 27, 2025	Radiation (03CH02-SZ)
Bilog Antenna	TeseQ	CBL6112D	35407	30MHz~2GHz	Oct. 24, 2023	Jul. 12, 2025~ Jul. 14, 2025	Oct. 23, 2025	Radiation (03CH02-SZ)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00119436	1GHz~18GHz	Jul. 04, 2025	Jul. 12, 2025~ Jul. 14, 2025	Jul. 04, 2026	Radiation (03CH02-SZ)
HF Amplifier	MITEQ	TTA1840-35 -HG	1871923	18GHz~40GHz	Jul. 03, 2025	Jul. 12, 2025~ Jul. 14, 2025	Jul. 03, 2026	Radiation (03CH02-SZ)
SHF-EHF Horn	com-power	AH-840	101071	18Ghz~40GHz	Apr. 03, 2025	Jul. 12, 2025~ Jul. 14, 2025	Apr. 02, 2027	Radiation (03CH02-SZ)
LF Amplifier	EM Electronics	EM330	060788	20MHz~3GHz	Dec. 25, 2024	Jul. 12, 2025~ Jul. 14, 2025	Dec. 24, 2025	Radiation (03CH02-SZ)
HF Amplifier	KEYSIGHT	83017A	MY53270105	0.5GHz~26.5Ghz	Oct. 14, 2024	Jul. 12, 2025~ Jul. 14, 2025	Oct. 13, 2025	Radiation (03CH02-SZ)
AC Power Source	Chroma	61601	61601000304 3	N/A	Oct. 18, 2024	Jul. 12, 2025~ Jul. 14, 2025	Oct. 17, 2025	Radiation (03CH02-SZ)
Turn Table	Chaintek	T-200	N/A	0~360 degree	NCR	Jul. 12, 2025~ Jul. 14, 2025	NCR	Radiation (03CH02-SZ)
Antenna Mast	Chaintek	MBS-400	N/A	1 m~4 m	NCR	Jul. 12, 2025~ Jul. 14, 2025	NCR	Radiation (03CH02-SZ)

NCR: No Calibration Required



6 Measurement Uncertainty

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

Uncertainty of Conducted Measurement

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

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	2.47dB
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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))	3.31dB
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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))	3.72dB
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----- THE END -----



Appendix A. Test Results of Conducted Test

Test Engineer :	Khan Zhen	Temperature :	22~23°C
		Relative Humidity :	40~42%



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Transmitter Conducted Output Power And ERP, (G_T - L_c)=-3.32dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	ERP(dBm)	ERP(W)
5	15	5	165300	826.5	DFT-s-OFDM QPSK	12@6	22.5	17.03	0.0505
5	15	5	165300	826.5	DFT-s-OFDM QPSK	1@1	22.47	17	0.0501
5	15	5	165300	826.5	DFT-s-OFDM QPSK	1@23	22.43	16.96	0.0497
5	15	5	165300	826.5	DFT-s-OFDM 16 QAM	12@6	21.49	16.02	0.0400
5	15	5	165300	826.5	DFT-s-OFDM 16 QAM	1@1	21.51	16.04	0.0402
5	15	5	165300	826.5	DFT-s-OFDM 16 QAM	1@23	21.62	16.15	0.0412
5	15	5	167300	836.5	DFT-s-OFDM QPSK	12@6	22.64	17.17	0.0521
5	15	5	167300	836.5	DFT-s-OFDM QPSK	1@1	22.52	17.05	0.0507
5	15	5	167300	836.5	DFT-s-OFDM QPSK	1@23	22.63	17.16	0.0520
5	15	5	167300	836.5	DFT-s-OFDM 16 QAM	12@6	21.44	15.97	0.0395
5	15	5	167300	836.5	DFT-s-OFDM 16 QAM	1@1	21.51	16.04	0.0402
5	15	5	167300	836.5	DFT-s-OFDM 16 QAM	1@23	21.56	16.09	0.0406
5	15	5	169300	846.5	DFT-s-OFDM QPSK	12@6	22.37	16.9	0.0490
5	15	5	169300	846.5	DFT-s-OFDM QPSK	1@1	22.41	16.94	0.0494
5	15	5	169300	846.5	DFT-s-OFDM QPSK	1@23	22.37	16.9	0.0490
5	15	5	169300	846.5	DFT-s-OFDM 16 QAM	12@6	21.22	15.75	0.0376
5	15	5	169300	846.5	DFT-s-OFDM 16 QAM	1@1	21.41	15.94	0.0393
5	15	5	169300	846.5	DFT-s-OFDM 16 QAM	1@23	21.32	15.85	0.0385
5	15	10	165800	829	DFT-s-OFDM QPSK	25@12	22.73	17.26	0.0532
5	15	10	165800	829	DFT-s-OFDM QPSK	1@1	22.71	17.24	0.0530
5	15	10	165800	829	DFT-s-OFDM QPSK	1@50	22.52	17.05	0.0507
5	15	10	165800	829	DFT-s-OFDM 16 QAM	25@12	21.57	16.1	0.0407
5	15	10	165800	829	DFT-s-OFDM 16 QAM	1@1	21.69	16.22	0.0419
5	15	10	165800	829	DFT-s-OFDM 16 QAM	1@50	21.59	16.12	0.0409
5	15	10	167300	836.5	DFT-s-OFDM QPSK	25@12	22.59	17.12	0.0515
5	15	10	167300	836.5	DFT-s-OFDM QPSK	1@1	22.73	17.26	0.0532
5	15	10	167300	836.5	DFT-s-OFDM QPSK	1@50	22.55	17.08	0.0511
5	15	10	167300	836.5	DFT-s-OFDM 16 QAM	25@12	21.48	16.01	0.0399
5	15	10	167300	836.5	DFT-s-OFDM 16 QAM	1@1	21.75	16.28	0.0425
5	15	10	167300	836.5	DFT-s-OFDM 16 QAM	1@50	21.71	16.24	0.0421
5	15	10	168800	844	DFT-s-OFDM QPSK	25@12	22.53	17.06	0.0508
5	15	10	168800	844	DFT-s-OFDM QPSK	1@1	22.74	17.27	0.0533
5	15	10	168800	844	DFT-s-OFDM QPSK	1@50	22.51	17.04	0.0506
5	15	10	168800	844	DFT-s-OFDM 16 QAM	25@12	21.37	15.9	0.0389



5	15	10	168800	844	DFT-s-OFDM 16 QAM	1@1	21.74	16.27	0.0424
5	15	10	168800	844	DFT-s-OFDM 16 QAM	1@50	21.54	16.07	0.0405
5	15	15	166300	831.5	DFT-s-OFDM QPSK	36@18	22.79	17.32	0.0540
5	15	15	166300	831.5	DFT-s-OFDM QPSK	1@1	22.8	17.33	0.0541
5	15	15	166300	831.5	DFT-s-OFDM QPSK	1@77	22.59	17.12	0.0515
5	15	15	166300	831.5	DFT-s-OFDM 16 QAM	36@18	21.54	16.07	0.0405
5	15	15	166300	831.5	DFT-s-OFDM 16 QAM	1@1	21.78	16.31	0.0428
5	15	15	166300	831.5	DFT-s-OFDM 16 QAM	1@77	21.52	16.05	0.0403
5	15	15	167300	836.5	DFT-s-OFDM QPSK	36@18	22.66	17.19	0.0524
5	15	15	167300	836.5	DFT-s-OFDM QPSK	1@1	22.75	17.28	0.0535
5	15	15	167300	836.5	DFT-s-OFDM QPSK	1@77	22.48	17.01	0.0502
5	15	15	167300	836.5	DFT-s-OFDM 16 QAM	36@18	21.44	15.97	0.0395
5	15	15	167300	836.5	DFT-s-OFDM 16 QAM	1@1	21.63	16.16	0.0413
5	15	15	167300	836.5	DFT-s-OFDM 16 QAM	1@77	21.47	16	0.0398
5	15	15	168300	841.5	DFT-s-OFDM QPSK	36@18	22.74	17.27	0.0533
5	15	15	168300	841.5	DFT-s-OFDM QPSK	1@1	22.7	17.23	0.0528
5	15	15	168300	841.5	DFT-s-OFDM QPSK	1@77	22.62	17.15	0.0519
5	15	15	168300	841.5	DFT-s-OFDM 16 QAM	36@18	21.58	16.11	0.0408
5	15	15	168300	841.5	DFT-s-OFDM 16 QAM	1@1	21.73	16.26	0.0423
5	15	15	168300	841.5	DFT-s-OFDM 16 QAM	1@77	21.5	16.03	0.0401
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	50@25	22.62	17.15	0.0519
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@1	22.58	17.11	0.0514
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@104	22.33	16.86	0.0485
5	15	20	166800	834	DFT-s-OFDM QPSK	50@25	22.5	17.03	0.0505
5	15	20	166800	834	DFT-s-OFDM QPSK	1@1	22.53	17.06	0.0508
5	15	20	166800	834	DFT-s-OFDM QPSK	1@104	22.37	16.9	0.0490
5	15	20	166800	834	DFT-s-OFDM 16 QAM	50@25	21.49	16.02	0.0400
5	15	20	166800	834	DFT-s-OFDM 16 QAM	1@1	21.57	16.1	0.0407
5	15	20	166800	834	DFT-s-OFDM 16 QAM	1@104	21.41	15.94	0.0393
5	15	20	166800	834	DFT-s-OFDM 64 QAM	50@25	20.93	15.46	0.0352
5	15	20	166800	834	DFT-s-OFDM 64 QAM	1@1	20.8	15.33	0.0341
5	15	20	166800	834	DFT-s-OFDM 64 QAM	1@104	20.51	15.04	0.0319
5	15	20	166800	834	DFT-s-OFDM 256 QAM	50@25	18.95	13.48	0.0223
5	15	20	166800	834	DFT-s-OFDM 256 QAM	1@1	18.76	13.29	0.0213
5	15	20	166800	834	DFT-s-OFDM 256 QAM	1@104	18.57	13.1	0.0204
5	15	20	166800	834	CP-OFDM QPSK	53@26	21.91	16.44	0.0441
5	15	20	166800	834	CP-OFDM QPSK	1@1	21.97	16.5	0.0447
5	15	20	166800	834	CP-OFDM QPSK	1@104	21.74	16.27	0.0424
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	50@25	22.68	17.21	0.0526
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	22.72	17.25	0.0531
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@104	22.31	16.84	0.0483
5	15	20	167300	836.5	DFT-s-OFDM QPSK	50@25	22.61	17.14	0.0518



5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@1	22.81	17.34	0.0542
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@104	22.3	16.83	0.0482
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	50@25	21.59	16.12	0.0409
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@1	21.81	16.34	0.0431
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@104	21.41	15.94	0.0393
5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	50@25	20.98	15.51	0.0356
5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@1	20.92	15.45	0.0351
5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@104	20.59	15.12	0.0325
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	50@25	18.87	13.4	0.0219
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@1	18.95	13.48	0.0223
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@104	18.61	13.14	0.0206
5	15	20	167300	836.5	CP-OFDM QPSK	53@26	21.99	16.52	0.0449
5	15	20	167300	836.5	CP-OFDM QPSK	1@1	22.04	16.57	0.0454
5	15	20	167300	836.5	CP-OFDM QPSK	1@104	21.84	16.37	0.0434
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	50@25	22.7	17.23	0.0528
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@1	22.66	17.19	0.0524
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@104	22.45	16.98	0.0499
5	15	20	167800	839	DFT-s-OFDM QPSK	50@25	22.58	17.11	0.0514
5	15	20	167800	839	DFT-s-OFDM QPSK	1@1	22.61	17.14	0.0518
5	15	20	167800	839	DFT-s-OFDM QPSK	1@104	22.39	16.92	0.0492
5	15	20	167800	839	DFT-s-OFDM 16 QAM	50@25	21.52	16.05	0.0403
5	15	20	167800	839	DFT-s-OFDM 16 QAM	1@1	21.76	16.29	0.0426
5	15	20	167800	839	DFT-s-OFDM 16 QAM	1@104	21.6	16.13	0.0410
5	15	20	167800	839	DFT-s-OFDM 64 QAM	50@25	20.96	15.49	0.0354
5	15	20	167800	839	DFT-s-OFDM 64 QAM	1@1	20.91	15.44	0.0350
5	15	20	167800	839	DFT-s-OFDM 64 QAM	1@104	20.65	15.18	0.0330
5	15	20	167800	839	DFT-s-OFDM 256 QAM	50@25	18.94	13.47	0.0222
5	15	20	167800	839	DFT-s-OFDM 256 QAM	1@1	18.86	13.39	0.0218
5	15	20	167800	839	DFT-s-OFDM 256 QAM	1@104	18.73	13.26	0.0212
5	15	20	167800	839	CP-OFDM QPSK	53@26	22.03	16.56	0.0453
5	15	20	167800	839	CP-OFDM QPSK	1@1	22.17	16.7	0.0468
5	15	20	167800	839	CP-OFDM QPSK	1@104	21.99	16.52	0.0449



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Transmitter Conducted Output Power And ERP, (G_T - L_C)=-3.32dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	ERP(dBm)	ERP(W)
26	15	5	165300	826.5	DFT-s-OFDM QPSK	12@6	23.12	17.65	0.0582
26	15	5	165300	826.5	DFT-s-OFDM QPSK	1@1	23.21	17.74	0.0594
26	15	5	165300	826.5	DFT-s-OFDM QPSK	1@23	23.28	17.81	0.0604
26	15	5	165300	826.5	DFT-s-OFDM 16 QAM	12@6	22.2	16.73	0.0471
26	15	5	165300	826.5	DFT-s-OFDM 16 QAM	1@1	22.32	16.85	0.0484
26	15	5	165300	826.5	DFT-s-OFDM 16 QAM	1@23	22.39	16.92	0.0492
26	15	5	167300	836.5	DFT-s-OFDM QPSK	12@6	23.06	17.59	0.0574
26	15	5	167300	836.5	DFT-s-OFDM QPSK	1@1	23.09	17.62	0.0578
26	15	5	167300	836.5	DFT-s-OFDM QPSK	1@23	23.19	17.72	0.0592
26	15	5	167300	836.5	DFT-s-OFDM 16 QAM	12@6	22.04	16.57	0.0454
26	15	5	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.29	16.82	0.0481
26	15	5	167300	836.5	DFT-s-OFDM 16 QAM	1@23	22.25	16.78	0.0476
26	15	5	169300	846.5	DFT-s-OFDM QPSK	12@6	23	17.53	0.0566
26	15	5	169300	846.5	DFT-s-OFDM QPSK	1@1	23.09	17.62	0.0578
26	15	5	169300	846.5	DFT-s-OFDM QPSK	1@23	23.19	17.72	0.0592
26	15	5	169300	846.5	DFT-s-OFDM 16 QAM	12@6	22.13	16.66	0.0463
26	15	5	169300	846.5	DFT-s-OFDM 16 QAM	1@1	22.32	16.85	0.0484
26	15	5	169300	846.5	DFT-s-OFDM 16 QAM	1@23	22.32	16.85	0.0484
26	15	10	165800	829	DFT-s-OFDM QPSK	25@12	23.09	17.62	0.0578
26	15	10	165800	829	DFT-s-OFDM QPSK	1@1	23.22	17.75	0.0596
26	15	10	165800	829	DFT-s-OFDM QPSK	1@50	23.21	17.74	0.0594
26	15	10	165800	829	DFT-s-OFDM 16 QAM	25@12	22.23	16.76	0.0474
26	15	10	165800	829	DFT-s-OFDM 16 QAM	1@1	22.37	16.9	0.0490
26	15	10	165800	829	DFT-s-OFDM 16 QAM	1@50	22.3	16.83	0.0482
26	15	10	167300	836.5	DFT-s-OFDM QPSK	25@12	22.89	17.42	0.0552
26	15	10	167300	836.5	DFT-s-OFDM QPSK	1@1	23.2	17.73	0.0593
26	15	10	167300	836.5	DFT-s-OFDM QPSK	1@50	23.16	17.69	0.0587
26	15	10	167300	836.5	DFT-s-OFDM 16 QAM	25@12	22.06	16.59	0.0456
26	15	10	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.4	16.93	0.0493
26	15	10	167300	836.5	DFT-s-OFDM 16 QAM	1@50	22.29	16.82	0.0481
26	15	10	168800	844	DFT-s-OFDM QPSK	25@12	22.91	17.44	0.0555
26	15	10	168800	844	DFT-s-OFDM QPSK	1@1	23.15	17.68	0.0586
26	15	10	168800	844	DFT-s-OFDM QPSK	1@50	23.21	17.74	0.0594
26	15	10	168800	844	DFT-s-OFDM 16 QAM	25@12	22.07	16.6	0.0457



26	15	10	168800	844	DFT-s-OFDM 16 QAM	1@1	22.29	16.82	0.0481
26	15	10	168800	844	DFT-s-OFDM 16 QAM	1@50	22.33	16.86	0.0485
26	15	15	166300	831.5	DFT-s-OFDM QPSK	36@18	23.12	17.65	0.0582
26	15	15	166300	831.5	DFT-s-OFDM QPSK	1@1	23.17	17.7	0.0589
26	15	15	166300	831.5	DFT-s-OFDM QPSK	1@77	23.13	17.66	0.0583
26	15	15	166300	831.5	DFT-s-OFDM 16 QAM	36@18	22.2	16.73	0.0471
26	15	15	166300	831.5	DFT-s-OFDM 16 QAM	1@1	22.29	16.82	0.0481
26	15	15	166300	831.5	DFT-s-OFDM 16 QAM	1@77	22.2	16.73	0.0471
26	15	15	167300	836.5	DFT-s-OFDM QPSK	36@18	22.99	17.52	0.0565
26	15	15	167300	836.5	DFT-s-OFDM QPSK	1@1	23.26	17.79	0.0601
26	15	15	167300	836.5	DFT-s-OFDM QPSK	1@77	23.14	17.67	0.0585
26	15	15	167300	836.5	DFT-s-OFDM 16 QAM	36@18	22.17	16.7	0.0468
26	15	15	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.38	16.91	0.0491
26	15	15	167300	836.5	DFT-s-OFDM 16 QAM	1@77	22.16	16.69	0.0467
26	15	15	168300	841.5	DFT-s-OFDM QPSK	36@18	23.03	17.56	0.0570
26	15	15	168300	841.5	DFT-s-OFDM QPSK	1@1	23.08	17.61	0.0577
26	15	15	168300	841.5	DFT-s-OFDM QPSK	1@77	23.2	17.73	0.0593
26	15	15	168300	841.5	DFT-s-OFDM 16 QAM	36@18	22.17	16.7	0.0468
26	15	15	168300	841.5	DFT-s-OFDM 16 QAM	1@1	22.2	16.73	0.0471
26	15	15	168300	841.5	DFT-s-OFDM 16 QAM	1@77	22.25	16.78	0.0476
26	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	50@25	23.13	17.66	0.0583
26	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@1	23.08	17.61	0.0577
26	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@104	22.95	17.48	0.0560
26	15	20	166800	834	DFT-s-OFDM QPSK	50@25	23.18	17.71	0.0590
26	15	20	166800	834	DFT-s-OFDM QPSK	1@1	23.25	17.78	0.0600
26	15	20	166800	834	DFT-s-OFDM QPSK	1@104	23.12	17.65	0.0582
26	15	20	166800	834	DFT-s-OFDM 16 QAM	50@25	22.2	16.73	0.0471
26	15	20	166800	834	DFT-s-OFDM 16 QAM	1@1	22.32	16.85	0.0484
26	15	20	166800	834	DFT-s-OFDM 16 QAM	1@104	22.13	16.66	0.0463
26	15	20	166800	834	DFT-s-OFDM 64 QAM	50@25	20.78	15.31	0.0340
26	15	20	166800	834	DFT-s-OFDM 64 QAM	1@1	20.55	15.08	0.0322
26	15	20	166800	834	DFT-s-OFDM 64 QAM	1@104	20.48	15.01	0.0317
26	15	20	166800	834	DFT-s-OFDM 256 QAM	50@25	18.81	13.34	0.0216
26	15	20	166800	834	DFT-s-OFDM 256 QAM	1@1	18.64	13.17	0.0207
26	15	20	166800	834	DFT-s-OFDM 256 QAM	1@104	18.53	13.06	0.0202
26	15	20	166800	834	CP-OFDM QPSK	53@26	21.76	16.29	0.0426
26	15	20	166800	834	CP-OFDM QPSK	1@1	21.74	16.27	0.0424
26	15	20	166800	834	CP-OFDM QPSK	1@104	21.62	16.15	0.0412
26	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	50@25	23.08	17.61	0.0577
26	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	23.19	17.72	0.0592
26	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@104	22.97	17.5	0.0562
26	15	20	167300	836.5	DFT-s-OFDM QPSK	50@25	23.19	17.72	0.0592



26	15	20	167300	836.5	DFT-s-OFDM QPSK	1@1	23.33	17.86	0.0611
26	15	20	167300	836.5	DFT-s-OFDM QPSK	1@104	23.2	17.73	0.0593
26	15	20	167300	836.5	DFT-s-OFDM 16 QAM	50@25	22.28	16.81	0.0480
26	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@1	22.42	16.95	0.0495
26	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@104	22.18	16.71	0.0469
26	15	20	167300	836.5	DFT-s-OFDM 64 QAM	50@25	20.9	15.43	0.0349
26	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@1	20.65	15.18	0.0330
26	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@104	20.46	14.99	0.0316
26	15	20	167300	836.5	DFT-s-OFDM 256 QAM	50@25	18.78	13.31	0.0214
26	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@1	18.69	13.22	0.0210
26	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@104	18.53	13.06	0.0202
26	15	20	167300	836.5	CP-OFDM QPSK	53@26	21.79	16.32	0.0429
26	15	20	167300	836.5	CP-OFDM QPSK	1@1	21.79	16.32	0.0429
26	15	20	167300	836.5	CP-OFDM QPSK	1@104	21.68	16.21	0.0418
26	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	50@25	23.12	17.65	0.0582
26	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@1	23.23	17.76	0.0597
26	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@104	22.98	17.51	0.0564
26	15	20	167800	839	DFT-s-OFDM QPSK	50@25	23.18	17.71	0.0590
26	15	20	167800	839	DFT-s-OFDM QPSK	1@1	23.45	17.98	0.0628
26	15	20	167800	839	DFT-s-OFDM QPSK	1@104	23.24	17.77	0.0598
26	15	20	167800	839	DFT-s-OFDM 16 QAM	50@25	22.26	16.79	0.0478
26	15	20	167800	839	DFT-s-OFDM 16 QAM	1@1	22.54	17.07	0.0509
26	15	20	167800	839	DFT-s-OFDM 16 QAM	1@104	22.15	16.68	0.0466
26	15	20	167800	839	DFT-s-OFDM 64 QAM	50@25	20.82	15.35	0.0343
26	15	20	167800	839	DFT-s-OFDM 64 QAM	1@1	20.7	15.23	0.0333
26	15	20	167800	839	DFT-s-OFDM 64 QAM	1@104	20.45	14.98	0.0315
26	15	20	167800	839	DFT-s-OFDM 256 QAM	50@25	18.78	13.31	0.0214
26	15	20	167800	839	DFT-s-OFDM 256 QAM	1@1	18.76	13.29	0.0213
26	15	20	167800	839	DFT-s-OFDM 256 QAM	1@104	18.47	13	0.0200
26	15	20	167800	839	CP-OFDM QPSK	53@26	21.8	16.33	0.0430
26	15	20	167800	839	CP-OFDM QPSK	1@1	21.97	16.5	0.0447
26	15	20	167800	839	CP-OFDM QPSK	1@104	21.79	16.32	0.0429



Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0000	PASS	NV
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0047	PASS	LV
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0009	PASS	HV
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0025	PASS	-30°C
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0003	PASS	-20°C
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0011	PASS	-10°C
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0019	PASS	0°C
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0026	PASS	10°C
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0000	PASS	20°C
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0005	PASS	30°C
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0004	PASS	40°C
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0034	PASS	50°C



Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
26	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	100@0	4.47	13	PASS
26	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	5.64	13	PASS

N26(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N26(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH





Occupied Bandwidth

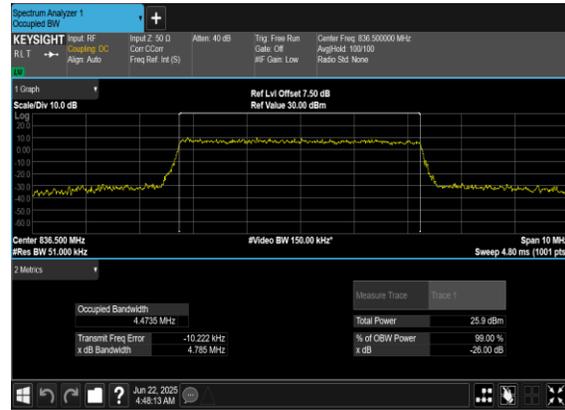
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
26	15	5	167300	836.5	CP-OFDM QPSK	25@0	4.4607	4.78
26	15	5	167300	836.5	CP-OFDM 16 QAM	25@0	4.4735	4.785
26	15	5	167300	836.5	CP-OFDM 64 QAM	25@0	4.4743	4.833
26	15	5	167300	836.5	CP-OFDM 256 QAM	25@0	4.4719	4.772
26	15	10	167300	836.5	CP-OFDM QPSK	52@0	9.2657	9.675
26	15	10	167300	836.5	CP-OFDM 16 QAM	52@0	9.2671	9.677
26	15	10	167300	836.5	CP-OFDM 64 QAM	52@0	9.2907	9.705
26	15	10	167300	836.5	CP-OFDM 256 QAM	52@0	9.2702	9.739
26	15	15	167300	836.5	CP-OFDM QPSK	79@0	14.083	14.68
26	15	15	167300	836.5	CP-OFDM 16 QAM	79@0	14.111	14.66
26	15	15	167300	836.5	CP-OFDM 64 QAM	79@0	14.108	14.71
26	15	15	167300	836.5	CP-OFDM 256 QAM	79@0	14.076	14.68
26	15	20	167300	836.5	CP-OFDM QPSK	106@0	18.891	19.72
26	15	20	167300	836.5	CP-OFDM 16 QAM	106@0	18.882	19.67
26	15	20	167300	836.5	CP-OFDM 64 QAM	106@0	18.86	19.68
26	15	20	167300	836.5	CP-OFDM 256 QAM	106@0	18.823	19.64



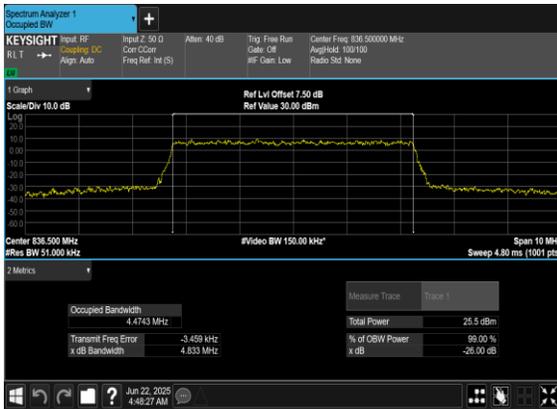
N26(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



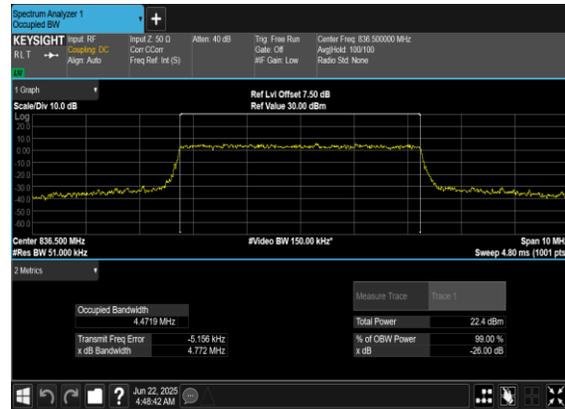
N26(5M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N26(5M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

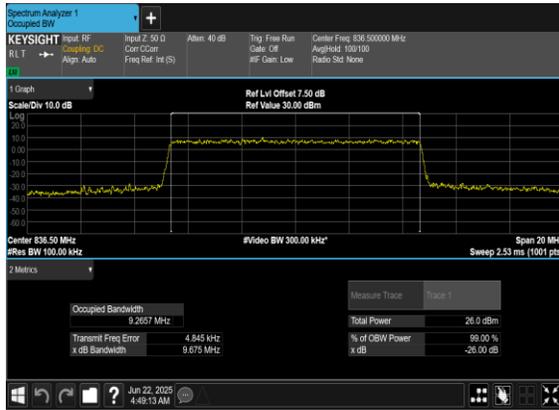


N26(5M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

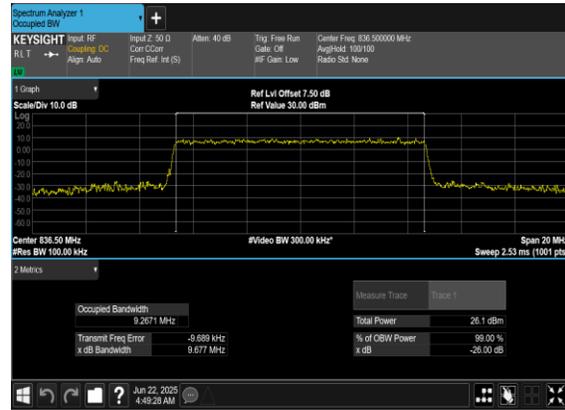




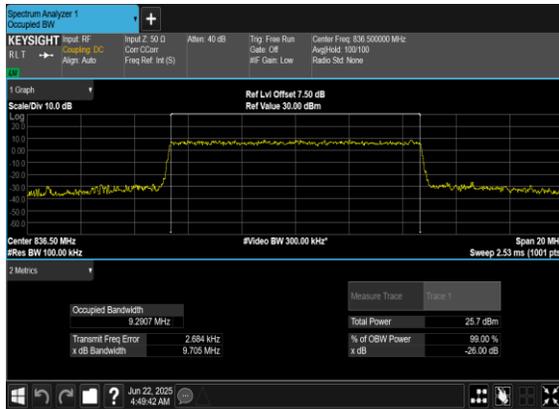
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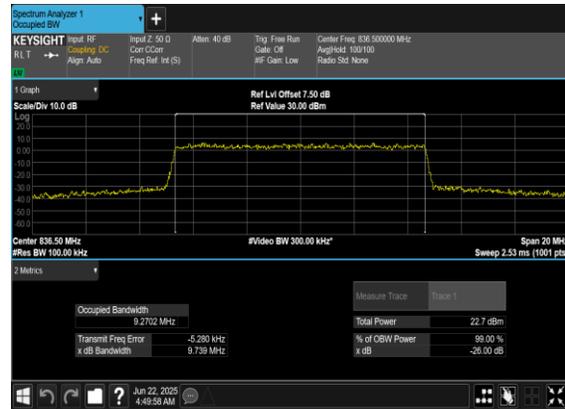
N26(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N26(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

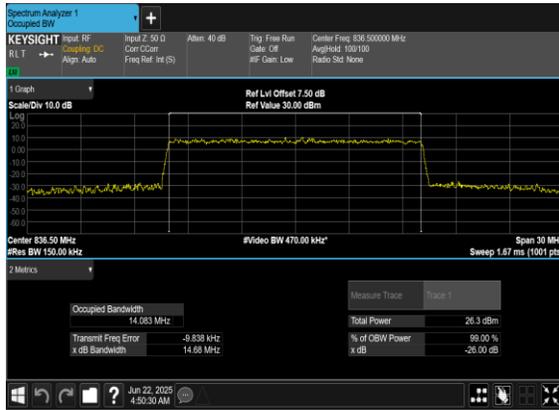


N26(10M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

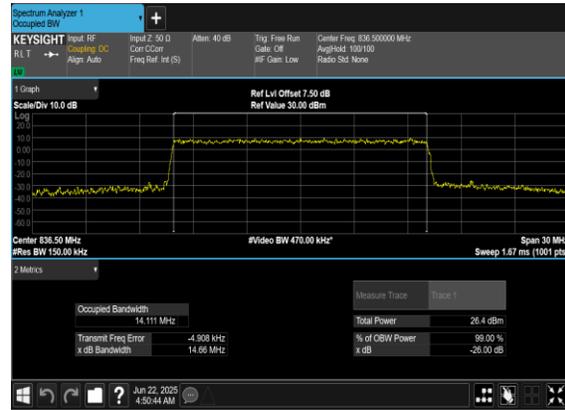




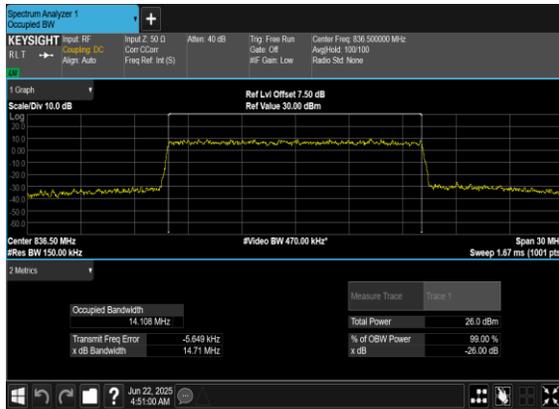
N26(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



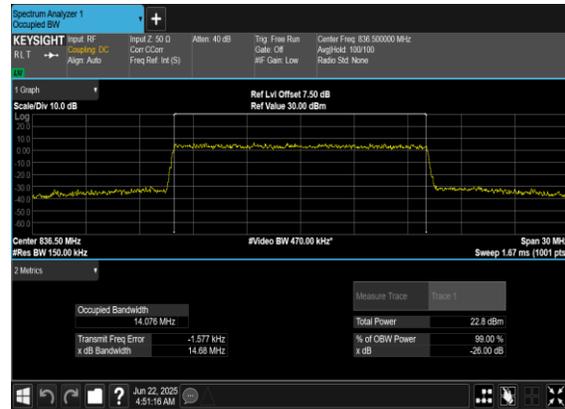
N26(15M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N26(15M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N26(15M)_CP-OFDM_256QAM_Outer_Full_Mid_CH





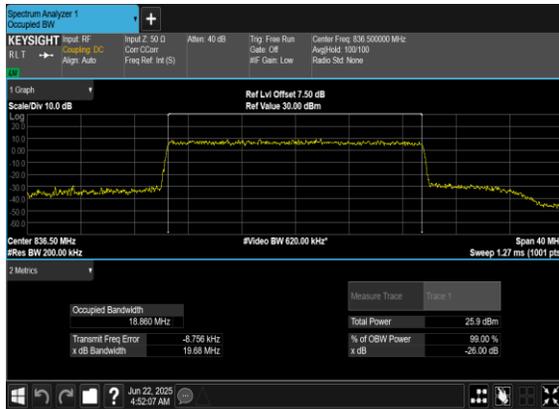
N26(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N26(20M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N26(20M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N26(20M)_CP-OFDM_256QAM_Outer_Full_Mid_CH



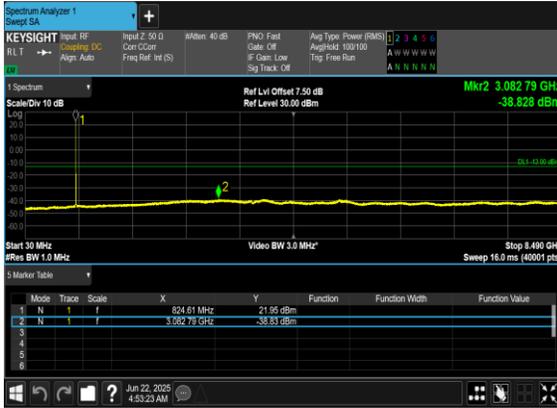


Conducted Spurious Emissions

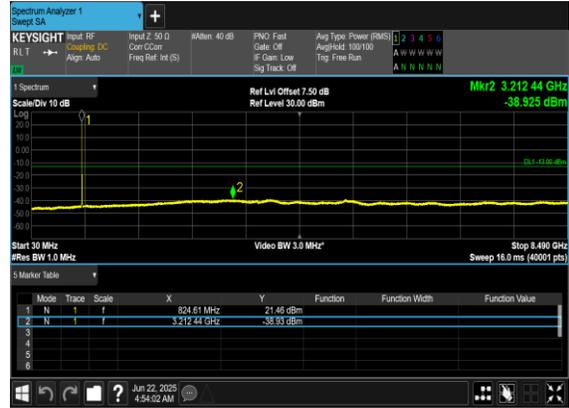
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
26	15	5	165300	826.5	DFT-s-OFDM BPSK	1@0	see graph	---
26	15	5	165300	826.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
26	15	5	165300	826.5	DFT-s-OFDM QPSK	1@0	see graph	---
26	15	5	165300	826.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
26	15	5	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	---
26	15	5	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
26	15	5	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	---
26	15	5	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
26	15	5	169300	846.5	DFT-s-OFDM BPSK	1@0	see graph	---
26	15	5	169300	846.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
26	15	5	169300	846.5	DFT-s-OFDM QPSK	1@0	see graph	---
26	15	5	169300	846.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
26	15	10	165800	829.0	DFT-s-OFDM BPSK	1@0	see graph	---
26	15	10	165800	829.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
26	15	10	165800	829.0	DFT-s-OFDM QPSK	1@0	see graph	---
26	15	10	165800	829.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
26	15	10	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	---
26	15	10	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
26	15	10	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	---
26	15	10	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
26	15	10	168800	844.0	DFT-s-OFDM BPSK	1@0	see graph	---
26	15	10	168800	844.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
26	15	10	168800	844.0	DFT-s-OFDM QPSK	1@0	see graph	---
26	15	10	168800	844.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
26	15	20	166800	834.0	DFT-s-OFDM BPSK	1@0	see graph	---
26	15	20	166800	834.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
26	15	20	166800	834.0	DFT-s-OFDM QPSK	1@0	see graph	---
26	15	20	166800	834.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
26	15	20	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	---
26	15	20	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
26	15	20	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	---
26	15	20	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
26	15	20	167800	839.0	DFT-s-OFDM BPSK	1@0	see graph	---
26	15	20	167800	839.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
26	15	20	167800	839.0	DFT-s-OFDM QPSK	1@0	see graph	---
26	15	20	167800	839.0	DFT-s-OFDM QPSK	1@0	see graph	PASS



N26(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N26(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N26(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N26(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH





N26(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N26(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N26(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N26(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH





N26(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N26(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N26(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N26(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH





N26(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N26(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N26(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH

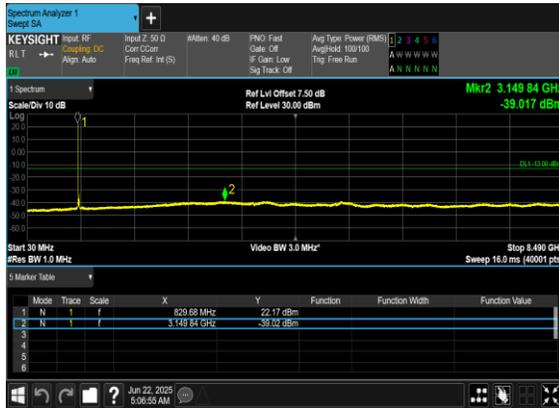


N26(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH





N26(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N26(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



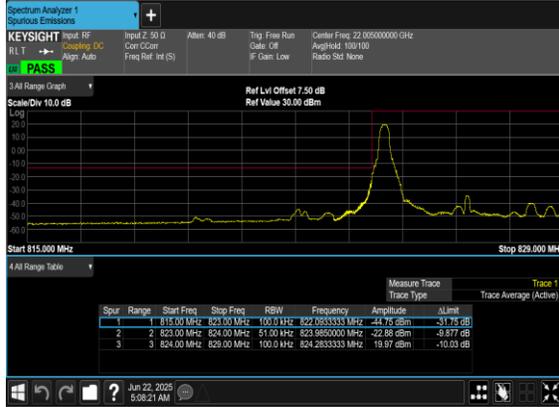


Conducted Band Edge

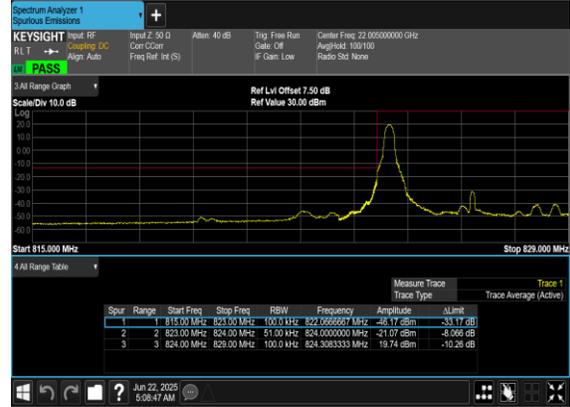
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
26	15	5	165300	826.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
26	15	5	165300	826.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
26	15	5	165300	826.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
26	15	5	165300	826.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
26	15	5	169300	846.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
26	15	5	169300	846.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
26	15	5	169300	846.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
26	15	5	169300	846.5	DFT-s-OFDM QPSK	25@0	see graph	PASS
26	15	10	165800	829.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
26	15	10	165800	829.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
26	15	10	165800	829.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
26	15	10	165800	829.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
26	15	10	168800	844.0	DFT-s-OFDM BPSK	1@51	see graph	PASS
26	15	10	168800	844.0	DFT-s-OFDM QPSK	1@51	see graph	PASS
26	15	10	168800	844.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
26	15	10	168800	844.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
26	15	20	166800	834.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
26	15	20	166800	834.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
26	15	20	166800	834.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
26	15	20	166800	834.0	DFT-s-OFDM QPSK	100@0	see graph	PASS
26	15	20	167800	839.0	DFT-s-OFDM BPSK	1@105	see graph	PASS
26	15	20	167800	839.0	DFT-s-OFDM QPSK	1@105	see graph	PASS
26	15	20	167800	839.0	DFT-s-OFDM BPSK	100@0	see graph	PASS
26	15	20	167800	839.0	DFT-s-OFDM QPSK	100@0	see graph	PASS



N26(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N26(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N26(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH

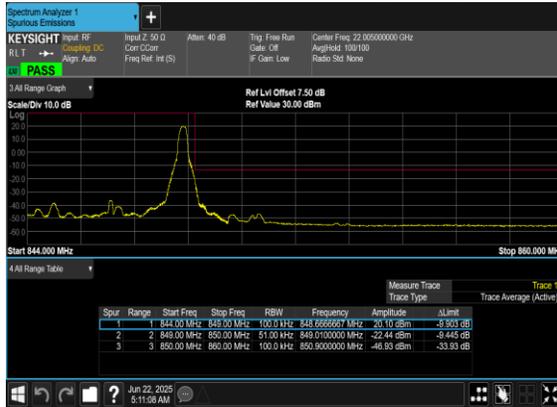


N26(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

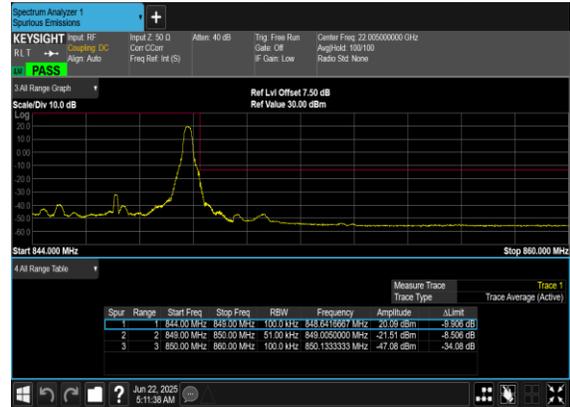




N26(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N26(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N26(5M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH

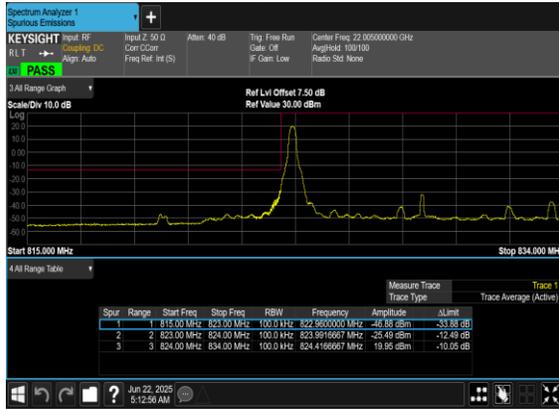


N26(5M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

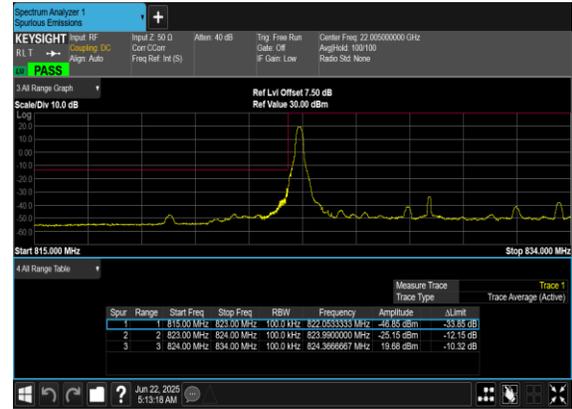




N26(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



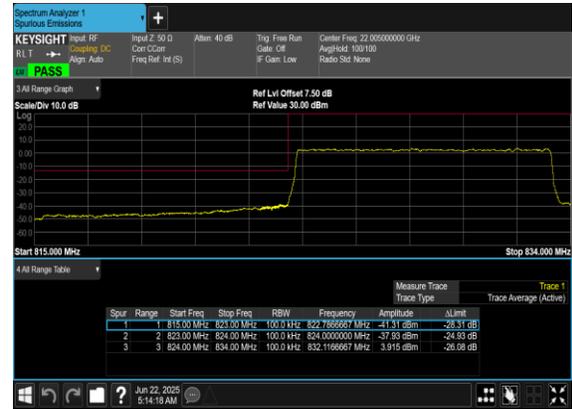
N26(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N26(10M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N26(10M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH

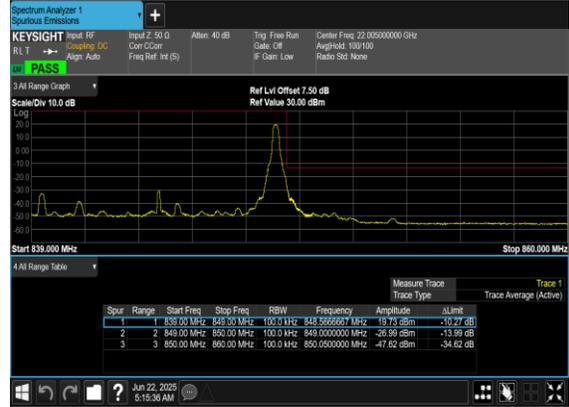




N26(10M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N26(10M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N26(10M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N26(10M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH

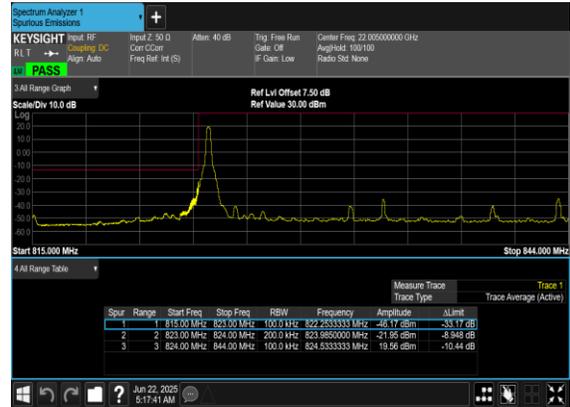




N26(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N26(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N26(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



N26(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH





N26(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N26(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



N26(20M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



N26(20M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH





Software Version: 23.06.1602

FR1 N71_ANT0

Transmitter Conducted Output Power And ERP, (G_T - L_C)=-4.65dB

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	ERP(dBm)	ERP(W)
71	15	5	133100	665.5	DFT-s-OFDM QPSK	12@6	23.61	16.81	0.0480
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@1	23.63	16.83	0.0482
71	15	5	133100	665.5	DFT-s-OFDM QPSK	1@23	23.66	16.86	0.0485
71	15	5	133100	665.5	DFT-s-OFDM 16 QAM	12@6	22.57	15.77	0.0378
71	15	5	133100	665.5	DFT-s-OFDM 16 QAM	1@1	22.68	15.88	0.0387
71	15	5	133100	665.5	DFT-s-OFDM 16 QAM	1@23	22.75	15.95	0.0394
71	15	5	136100	680.5	DFT-s-OFDM QPSK	12@6	23.54	16.74	0.0472
71	15	5	136100	680.5	DFT-s-OFDM QPSK	1@1	23.63	16.83	0.0482
71	15	5	136100	680.5	DFT-s-OFDM QPSK	1@23	23.39	16.59	0.0456
71	15	5	136100	680.5	DFT-s-OFDM 16 QAM	12@6	22.54	15.74	0.0375
71	15	5	136100	680.5	DFT-s-OFDM 16 QAM	1@1	22.63	15.83	0.0383
71	15	5	136100	680.5	DFT-s-OFDM 16 QAM	1@23	22.5	15.7	0.0372
71	15	5	139100	695.5	DFT-s-OFDM QPSK	12@6	23	16.2	0.0417
71	15	5	139100	695.5	DFT-s-OFDM QPSK	1@1	22.95	16.15	0.0412
71	15	5	139100	695.5	DFT-s-OFDM QPSK	1@23	22.84	16.04	0.0402
71	15	5	139100	695.5	DFT-s-OFDM 16 QAM	12@6	21.92	15.12	0.0325
71	15	5	139100	695.5	DFT-s-OFDM 16 QAM	1@1	22.17	15.37	0.0344
71	15	5	139100	695.5	DFT-s-OFDM 16 QAM	1@23	21.96	15.16	0.0328
71	15	10	133600	668	DFT-s-OFDM QPSK	25@12	23.59	16.79	0.0478
71	15	10	133600	668	DFT-s-OFDM QPSK	1@1	23.62	16.82	0.0481
71	15	10	133600	668	DFT-s-OFDM QPSK	1@50	23.68	16.88	0.0488
71	15	10	133600	668	DFT-s-OFDM 16 QAM	25@12	22.6	15.8	0.0380
71	15	10	133600	668	DFT-s-OFDM 16 QAM	1@1	22.64	15.84	0.0384
71	15	10	133600	668	DFT-s-OFDM 16 QAM	1@50	22.83	16.03	0.0401
71	15	10	136100	680.5	DFT-s-OFDM QPSK	25@12	23.49	16.69	0.0467
71	15	10	136100	680.5	DFT-s-OFDM QPSK	1@1	23.68	16.88	0.0488
71	15	10	136100	680.5	DFT-s-OFDM QPSK	1@50	23.34	16.54	0.0451
71	15	10	136100	680.5	DFT-s-OFDM 16 QAM	25@12	22.49	15.69	0.0371
71	15	10	136100	680.5	DFT-s-OFDM 16 QAM	1@1	22.8	16	0.0398
71	15	10	136100	680.5	DFT-s-OFDM 16 QAM	1@50	22.46	15.66	0.0368
71	15	10	138600	693	DFT-s-OFDM QPSK	25@12	22.87	16.07	0.0405
71	15	10	138600	693	DFT-s-OFDM QPSK	1@1	23.1	16.3	0.0427
71	15	10	138600	693	DFT-s-OFDM QPSK	1@50	22.8	16	0.0398
71	15	10	138600	693	DFT-s-OFDM 16 QAM	25@12	21.94	15.14	0.0327



71	15	10	138600	693	DFT-s-OFDM 16 QAM	1@1	22.25	15.45	0.0351
71	15	10	138600	693	DFT-s-OFDM 16 QAM	1@50	21.96	15.16	0.0328
71	15	15	134100	670.5	DFT-s-OFDM QPSK	36@18	23.69	16.89	0.0489
71	15	15	134100	670.5	DFT-s-OFDM QPSK	1@1	23.58	16.78	0.0476
71	15	15	134100	670.5	DFT-s-OFDM QPSK	1@77	23.63	16.83	0.0482
71	15	15	134100	670.5	DFT-s-OFDM 16 QAM	36@18	22.63	15.83	0.0383
71	15	15	134100	670.5	DFT-s-OFDM 16 QAM	1@1	22.56	15.76	0.0377
71	15	15	134100	670.5	DFT-s-OFDM 16 QAM	1@77	22.79	15.99	0.0397
71	15	15	136100	680.5	DFT-s-OFDM QPSK	36@18	23.82	17.02	0.0504
71	15	15	136100	680.5	DFT-s-OFDM QPSK	1@1	23.87	17.07	0.0509
71	15	15	136100	680.5	DFT-s-OFDM QPSK	1@77	23.48	16.68	0.0466
71	15	15	136100	680.5	DFT-s-OFDM 16 QAM	36@18	22.75	15.95	0.0394
71	15	15	136100	680.5	DFT-s-OFDM 16 QAM	1@1	23.04	16.24	0.0421
71	15	15	136100	680.5	DFT-s-OFDM 16 QAM	1@77	22.46	15.66	0.0368
71	15	15	138100	690.5	DFT-s-OFDM QPSK	36@18	23.11	16.31	0.0428
71	15	15	138100	690.5	DFT-s-OFDM QPSK	1@1	23.35	16.55	0.0452
71	15	15	138100	690.5	DFT-s-OFDM QPSK	1@77	22.8	16	0.0398
71	15	15	138100	690.5	DFT-s-OFDM 16 QAM	36@18	22.09	15.29	0.0338
71	15	15	138100	690.5	DFT-s-OFDM 16 QAM	1@1	22.51	15.71	0.0372
71	15	15	138100	690.5	DFT-s-OFDM 16 QAM	1@77	21.93	15.13	0.0326
71	15	20	134600	673	DFT-s-OFDM PI/2 BPSK	50@25	23.71	16.91	0.0491
71	15	20	134600	673	DFT-s-OFDM PI/2 BPSK	1@1	23.44	16.64	0.0461
71	15	20	134600	673	DFT-s-OFDM PI/2 BPSK	1@104	23.32	16.52	0.0449
71	15	20	134600	673	DFT-s-OFDM QPSK	50@25	23.66	16.86	0.0485
71	15	20	134600	673	DFT-s-OFDM QPSK	1@1	23.88	17.08	0.0511
71	15	20	134600	673	DFT-s-OFDM QPSK	1@104	23.41	16.61	0.0458
71	15	20	134600	673	DFT-s-OFDM 16 QAM	50@25	22.68	15.88	0.0387
71	15	20	134600	673	DFT-s-OFDM 16 QAM	1@1	22.56	15.76	0.0377
71	15	20	134600	673	DFT-s-OFDM 16 QAM	1@104	22.45	15.65	0.0367
71	15	20	134600	673	DFT-s-OFDM 64 QAM	50@25	21.19	14.39	0.0275
71	15	20	134600	673	DFT-s-OFDM 64 QAM	1@1	20.79	13.99	0.0251
71	15	20	134600	673	DFT-s-OFDM 64 QAM	1@104	20.69	13.89	0.0245
71	15	20	134600	673	DFT-s-OFDM 256 QAM	50@25	19.13	12.33	0.0171
71	15	20	134600	673	DFT-s-OFDM 256 QAM	1@1	18.81	12.01	0.0159
71	15	20	134600	673	DFT-s-OFDM 256 QAM	1@104	18.67	11.87	0.0154
71	15	20	134600	673	CP-OFDM QPSK	53@26	22.17	15.37	0.0344
71	15	20	134600	673	CP-OFDM QPSK	1@1	21.94	15.14	0.0327
71	15	20	134600	673	CP-OFDM QPSK	1@104	21.83	15.03	0.0318
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	50@25	23.58	16.78	0.0476
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@1	23.62	16.82	0.0481
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	1@104	23.01	16.21	0.0418
71	15	20	136100	680.5	DFT-s-OFDM QPSK	50@25	23.56	16.76	0.0474



71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@1	23.7	16.9	0.0490
71	15	20	136100	680.5	DFT-s-OFDM QPSK	1@104	23.05	16.25	0.0422
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	50@25	22.54	15.74	0.0375
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	1@1	22.8	16	0.0398
71	15	20	136100	680.5	DFT-s-OFDM 16 QAM	1@104	22.16	15.36	0.0344
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	50@25	20.99	14.19	0.0262
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	1@1	20.95	14.15	0.0260
71	15	20	136100	680.5	DFT-s-OFDM 64 QAM	1@104	20.37	13.57	0.0228
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	50@25	18.99	12.19	0.0166
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	1@1	18.95	12.15	0.0164
71	15	20	136100	680.5	DFT-s-OFDM 256 QAM	1@104	18.35	11.55	0.0143
71	15	20	136100	680.5	CP-OFDM QPSK	53@26	22.05	15.25	0.0335
71	15	20	136100	680.5	CP-OFDM QPSK	1@1	22.12	15.32	0.0340
71	15	20	136100	680.5	CP-OFDM QPSK	1@104	21.5	14.7	0.0295
71	15	20	137600	688	DFT-s-OFDM PI/2 BPSK	50@25	23.24	16.44	0.0441
71	15	20	137600	688	DFT-s-OFDM PI/2 BPSK	1@1	23.53	16.73	0.0471
71	15	20	137600	688	DFT-s-OFDM PI/2 BPSK	1@104	22.73	15.93	0.0392
71	15	20	137600	688	DFT-s-OFDM QPSK	50@25	23.22	16.42	0.0439
71	15	20	137600	688	DFT-s-OFDM QPSK	1@1	23.64	16.84	0.0483
71	15	20	137600	688	DFT-s-OFDM QPSK	1@104	22.8	16	0.0398
71	15	20	137600	688	DFT-s-OFDM 16 QAM	50@25	22.23	15.43	0.0349
71	15	20	137600	688	DFT-s-OFDM 16 QAM	1@1	22.77	15.97	0.0395
71	15	20	137600	688	DFT-s-OFDM 16 QAM	1@104	21.93	15.13	0.0326
71	15	20	137600	688	DFT-s-OFDM 64 QAM	50@25	20.71	13.91	0.0246
71	15	20	137600	688	DFT-s-OFDM 64 QAM	1@1	20.87	14.07	0.0255
71	15	20	137600	688	DFT-s-OFDM 64 QAM	1@104	20.11	13.31	0.0214
71	15	20	137600	688	DFT-s-OFDM 256 QAM	50@25	18.67	11.87	0.0154
71	15	20	137600	688	DFT-s-OFDM 256 QAM	1@1	18.89	12.09	0.0162
71	15	20	137600	688	DFT-s-OFDM 256 QAM	1@104	18.07	11.27	0.0134
71	15	20	137600	688	CP-OFDM QPSK	53@26	21.72	14.92	0.0310
71	15	20	137600	688	CP-OFDM QPSK	1@1	22.07	15.27	0.0337
71	15	20	137600	688	CP-OFDM QPSK	1@104	21.23	14.43	0.0277



Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (Hz)	Verdict	Environment
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	18.3	PASS	NV
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	14.4	PASS	LV
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	10.9	PASS	HV
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	11.6	PASS	-30°C
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	18.5	PASS	-20°C
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	15.4	PASS	-10°C
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	12.2	PASS	0°C
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	12.8	PASS	10°C
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	18.3	PASS	20°C
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	18.2	PASS	30°C
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	14	PASS	40°C
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	16	PASS	50°C

|MAX(Δf)| = 18.5Hz

Frequency Stability	Frequency (MHz)	Limit Line	Result
$f_L - MAX(\Delta f) $	663.5294815	≥ 663 MHz	PASS
$f_H + MAX(\Delta f) $	696.3916185	≤ 698 MHz	



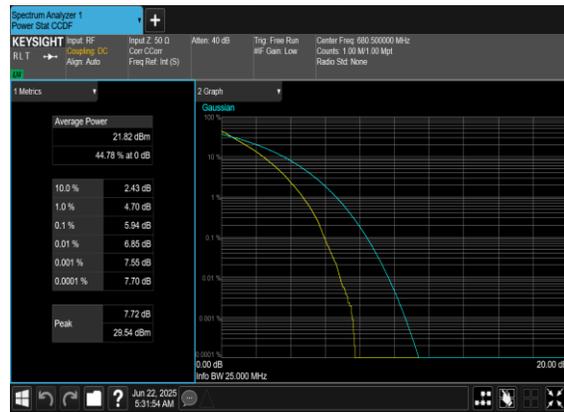
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
71	15	20	136100	680.5	DFT-s-OFDM PI/2 BPSK	100@0	4.75	13	PASS
71	15	20	136100	680.5	DFT-s-OFDM QPSK	100@0	5.94	13	PASS

N71(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



N71(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH





Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
71	15	5	136100	680.5	CP-OFDM QPSK	25@0	4.4632	4.82
71	15	5	136100	680.5	CP-OFDM 16 QAM	25@0	4.4737	4.846
71	15	5	136100	680.5	CP-OFDM 64 QAM	25@0	4.4721	4.848
71	15	5	136100	680.5	CP-OFDM 256 QAM	25@0	4.4735	4.793
71	15	10	136100	680.5	CP-OFDM QPSK	52@0	9.2703	9.654
71	15	10	136100	680.5	CP-OFDM 16 QAM	52@0	9.2713	9.717
71	15	10	136100	680.5	CP-OFDM 64 QAM	52@0	9.292	9.734
71	15	10	136100	680.5	CP-OFDM 256 QAM	52@0	9.259	9.758
71	15	15	136100	680.5	CP-OFDM QPSK	79@0	14.095	14.66
71	15	15	136100	680.5	CP-OFDM 16 QAM	79@0	14.096	14.74
71	15	15	136100	680.5	CP-OFDM 64 QAM	79@0	14.112	14.72
71	15	15	136100	680.5	CP-OFDM 256 QAM	79@0	14.094	14.7
71	15	20	136100	680.5	CP-OFDM QPSK	106@0	18.905	19.65
71	15	20	136100	680.5	CP-OFDM 16 QAM	106@0	18.878	19.7
71	15	20	136100	680.5	CP-OFDM 64 QAM	106@0	18.918	19.56
71	15	20	136100	680.5	CP-OFDM 256 QAM	106@0	18.882	19.56



N71(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N71(5M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N71(5M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N71(5M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

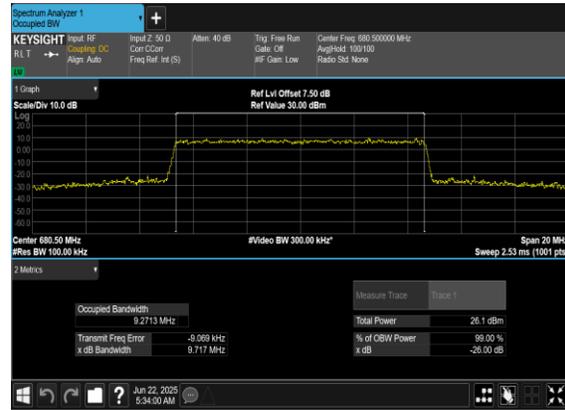




N71(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



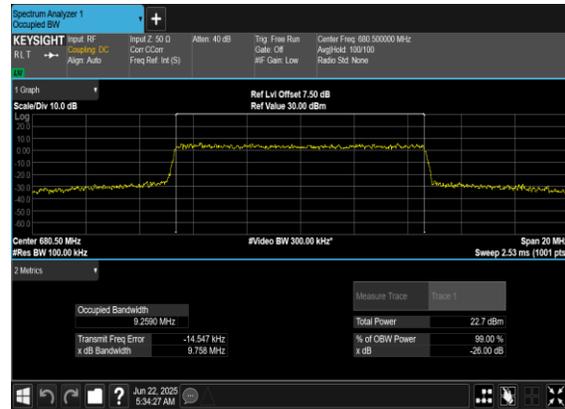
N71(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N71(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

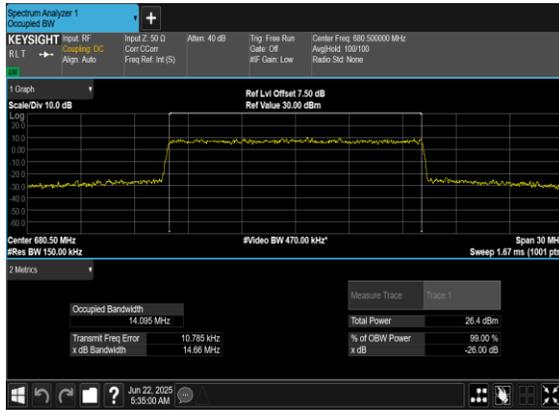


N71(10M)_CP-OFDM_256QAM_Outer_Full_Mid_CH





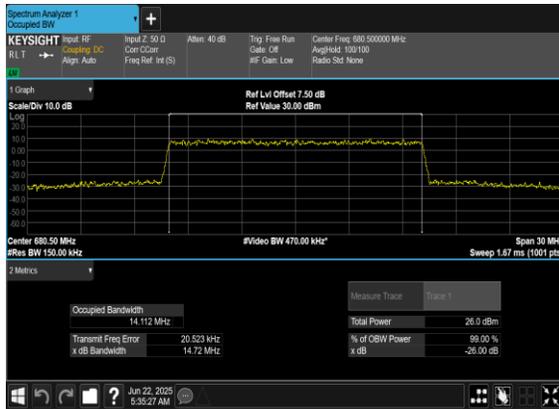
N71(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



N71(15M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N71(15M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N71(15M)_CP-OFDM_256QAM_Outer_Full_Mid_CH





N71(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



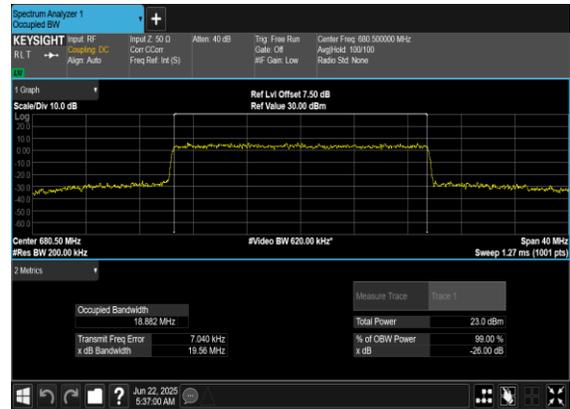
N71(20M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



N71(20M)_CP-OFDM_64QAM_Outer_Full_Mid_CH



N71(20M)_CP-OFDM_256QAM_Outer_Full_Mid_CH





Conducted Spurious Emissions

Table with 9 columns: NR Band, SCS (kHz), Bandwidth (MHz), Arfcn, Freq (MHz), Modulation, RB, Result, Verdict. It contains 40 rows of test data with alternating 'PASS' and '---' verdicts.