FCC RADIO TEST REPORT

FCC ID	:	**A4RGTF7P**
Equipment	:	**Phone**
Model Name	:	**GTF7P, G3Y12**
Applicant	:	**Google LLC** **1600 Amphitheatre Parkway,** **Mountain View, California, 94043 USA**
Standard	:	**FCC 47 CFR Part 2, 24(E), 27**

The product was received on Jul. 10, 2024 and testing was performed from Jul. 31, 2024 to Oct. 22, 2024. We, Sporton International Inc. EMC & Wireless Communications Laboratory, would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this partial report apply exclusively to the tested model / sample. Without written approval from Sporton International Inc. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Louis Wu

Approved by: Louis Wu

Sporton International Inc. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issue Date
FG451607C	01	Initial issue of report	Sep. 30, 2024
FG451607C	02	Revise Section 1.1 and Appendix A This report is an updated version, replacing the report issued on Sep. 30, 2024.	Oct. 23, 2024
FG451607C	03	Revise Appendix A This report is an updated version, replacing the report issued on Oct. 23, 2024.	Oct. 24, 2024
FG451607C	04	Revise Section 2.1 This report is an updated version, replacing the report issued on Oct. 24, 2024.	Oct. 25, 2024

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.2	§2.1046	Conducted Output Power	Pass	-
	§24.232 (c)	Equivalent Isotropic Radiated Power (n2)	Pass	
	§27.50 (d)(4)	Equivalent Isotropic Radiated Power (n66)		
3.3	§24.232 (d) §27.50 (d)(5)	Peak-to-Average Ratio	Pass	-
3.4	§2.1049	Occupied Bandwidth	Pass	-
3.5	§2.1051 §24.238 (a) §27.53 (h)	Conducted Band Edge Measurement (n2) (n66)	Pass	-
3.6	§2.1051 §24.238 (a) §27.53 (h)	Conducted Spurious Emission (n2) (n66)	Pass	-
3.7	§2.1055 §24.235 §27.54	Frequency Stability Temperature & Voltage	Pass	-
4.2	§2.1053 §24.238 (a) §27.53 (h)	Radiated Spurious Emission (n2) (n66)	Pass	23.96 dB under the limit at 5209.00 MHz

Conformity Assessment Condition:

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

Disclaimer:

1. 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.
2. The GTF7P and G3Y12 are 100% identical in Hardware / Software to each other, and only have different model names for marketing segmentation. The test sample are all model GTF7P.

Reviewed by: William Chen

Report Producer: Michelle Chen

1 General Description

1.1 Product Feature of Equipment Under Test

Product Feature
General Specs GSM/WCDMA/LTE/5G NR, Bluetooth, BLE, BLE channel sounding, Wi-Fi 802.11ax, NFC, WPC Rx and GNSS. **Antenna Type** **WWAN:** <Ant. 0>: ILA Antenna <Ant. 1>: ILA Antenna <Ant. 2>: IFA Antenna <Ant. 5>: IFA Antenna <Ant. 6>: IFA Antenna

EUT Information List	
S/N	Performed Test Item
46181JEBF10598	Conducted Measurement EIRP/ERP
46181JEBF10969	Radiated Spurious Emission

Support band and evaluated information	
Supported band	n2, n5, n7, n12, n26, n38, n41, n66, n77, n78
Evaluated and Tested band	n2, n66

Antenna information						
Band	**Ant0**	**Ant1**	**Ant2**	**Ant5**	**Main Ant. #**	**Sub Ant. #**
n2	-3.0	-	-1.1	-	2	0
n66	-0.6	-	-1.5	-	2	0

Remark:
1. The EUT's information above is declared by manufacturer. Please refer to Disclaimer in report summary.
2. For Test Items, Main Ant. means Tx0 and Sub Ant. means Tx1.
3. After preliminary scan, the main antenna Ant 0 for Low band and main antenna Ant 2 for Mid/high band are selected as the worst mode to be reported for conducted test.

1.2 Modification of EUT

No modifications made to the EUT during the testing.

1.3 Testing Location

Test Site	Sporton International Inc. EMC & Wireless Communications Laboratory
Test Site Location	No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.) TEL: +886-3-327-3456 FAX: +886-3-328-4978
Test Site No.	**Sporton Site No.**
	TH03-HY
Test Engineer	Luffy Lin
Temperature (℃)	20~24
Relative Humidity (%)	50~58

Test Site	Sporton International Inc. Wensan Laboratory
Test Site Location	No.58, Aly. 75, Ln. 564, Wenhua 3rd, Rd., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.) TEL: +886-3-327-0868 FAX: +886-3-327-0855
Test Site No.	**Sporton Site No.**
	03CH21-HY (TAF Code: 3786)
Test Engineer	Jack Cheng, Ray Lung, and Sky Chang
Temperature (℃)	18~26
Relative Humidity (%)	50~70
Remark	The Radiated Spurious Emission test item subcontracted to Sporton International Inc. Wensan Laboratory.

Note: The test site complies with ANSI C63.4 2014 requirement.

FCC Designation No.: TW1190 and TW3786

1.4 Applicable Standards

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

- ANSI C63.26-2015
- FCC 47 CFR Part 2, 24(E), 27
- FCC KDB 971168 D01 Power Meas. License Digital Systems v03r01
- FCC KDB 414788 D01 Radiated Test Site v01r01.

Remark:

1. All the test items were validated and recorded in accordance with the standards without any modification during the testing.
2. The TAF code is not including all the FCC KDB listed without accreditation.

2 Test Configuration of Equipment Under Test

2.1 Test Mode

Antenna port conducted and radiated test items listed below are performed according to KDB 971168 D01 Power Meas. License Digital Systems v03r01 with maximum output power.

For radiated measurement, the measured emission level of the EUT was maximized by rotating the EUT on a turntable, adjusting the orientation of the EUT and EUT antenna in three orthogonal axis (X: flat, Y: portrait, Z: landscape) and accessory (Adapter or Earphone), and adjusting the measurement antenna orientation, following C63.26 exploratory test procedures and find Z Plane without Accessory for 5G NR n2; Y Plane with Adapter for 5G NR n66 as worst plane.

Modulation Type	Modulation	Modulation Type	Modulation
A	DFT-s-OFDM PI/2 BPSK	N/A	N/A
B	DFT-s-OFDM QPSK	F	CP-OFDM QPSK
C	DFT-s-OFDM 16QAM	G	CP-OFDM 16QAM
D	DFT-s-OFDM 64QAM	H	CP-OFDM 64QAM
E	DFT-s-OFDM 256QAM	I	CP-OFDM 256QAM

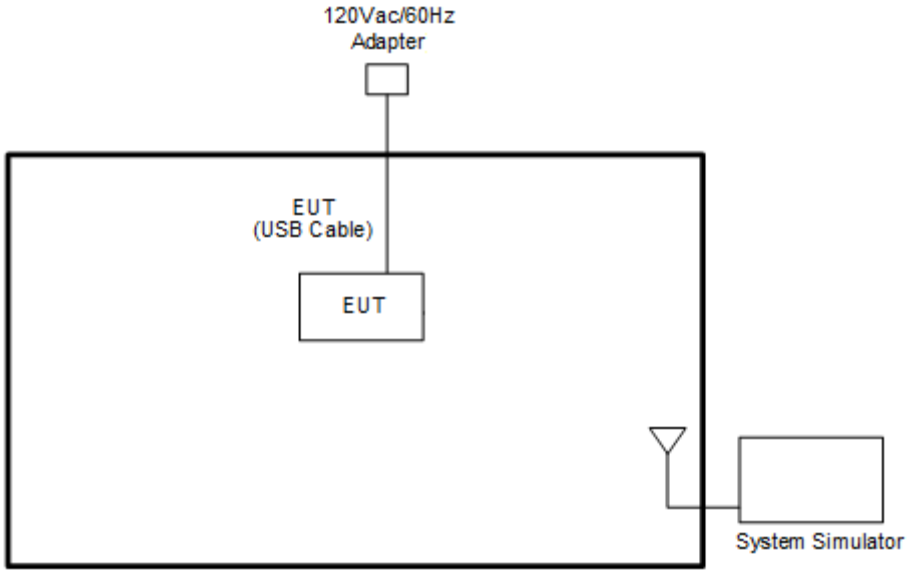
Test Item	Modulation Type	Bandwidth	RB Size	Channel
Conducted Power	A, B, C, D, E, F, G, H, I	All	1, Half, Full	L, M, H
EIRP	A, B, C, D, E, F, G, H, I	All	1, Half, Full	L, M, H
PAR	A, B, C, D, E, F, G, H, I	20 MHz or less	Outer_Full	M
Bandwidth	A, F, G, H, I	All	Outer_Full	M
CBE	A, B, C, D, E, F, G, H, I	10MHz	Outer_1RB	L, H
		All	Outer_Full	
CSE	B, F	Minimum	Inner_1RB	L, M, H
Frequency Stability	A, F	20 MHz or less	Outer_Full	M
RSE	A or B	20 MHz or less	Inner_1RB	L, M, H

Remark:

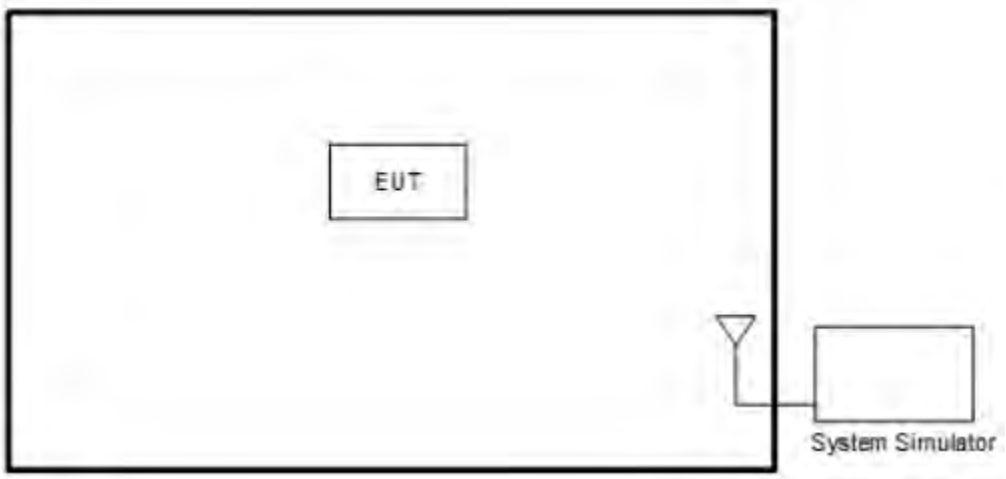
1. Evaluated all the transmitter signal and reporting worst-case configuration among all modulation types.
2. The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different RB size/offset and modulations in exploratory test. Subsequently, only the worst-case emissions are reported.
3. For 5G NR test combination are EN-DC 5A_n2A and EN-DC 5A_n66A.
4. The PAR result is stable for each supported bandwidth so only one representative bandwidth among all supported bandwidths is selected for PAR testing.
5. During the RSE preliminary test, the standalone mode and charging modes (Adapter mode and WPC Rx mode) were verified. It is determined that the adapter mode is the worst case for the official test.
6. All the radiated test cases were performed USB Cable 2.

2.2 Connection Diagram of Test System

<EUT with Adapter>



<EUT without Accessory>



2.3 Support Unit used in test configuration and system

Item	Equipment	Brand Name	Model No.	FCC ID	Data Cable	Power Cord
1.	System Simulator	Anritsu	MT8000A	N/A	N/A	Unshielded, 1.8 m
2.	System Simulator	Anritsu	MT8821C	N/A	N/A	Unshielded, 1.8 m
3.	AC Adapter	N/A	GW8L7	N/A	N/A	N/A

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 4.2 dB and 10dB attenuator.

Example :

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

= 4.2 + 10 = 14.2 (dB)

2.5 Frequency List of Low/Middle/High Channels

5G NR n2 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
20	Channel	372000	376000	380000
	Frequency	1860	1880	1900
15	Channel	371500	376000	380500
	Frequency	1857.5	1880	1902.5
10	Channel	371000	376000	381000
	Frequency	1855	1880	1905
5	Channel	370500	376000	381500
	Frequency	1852.5	1880	1907.5

5G NR n66 Channel and Frequency List				
BW [MHz]	**Channel/Frequency(MHz)**	**Lowest**	**Middle**	**Highest**
40	Channel	346000	349000	352000
	Frequency	1730	1745	1760
30	Channel	345000	349000	353000
	Frequency	1725	1745	1765
25	Channel	344500	349000	353500
	Frequency	1722.5	1745	1767.5
20	Channel	344000	349000	354000
	Frequency	1720	1745	1770
15	Channel	343500	349000	354500
	Frequency	1717.5	1745	1772.5
10	Channel	343000	349000	355000
	Frequency	1715	1745	1775
5	Channel	342500	349000	355500
	Frequency	1712.5	1745	1777.5

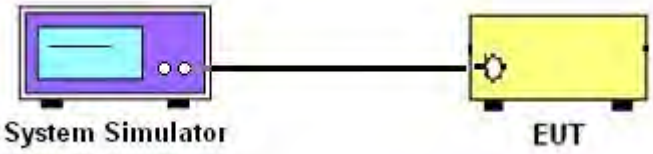
3 Conducted Test Items

3.1 Measuring Instruments

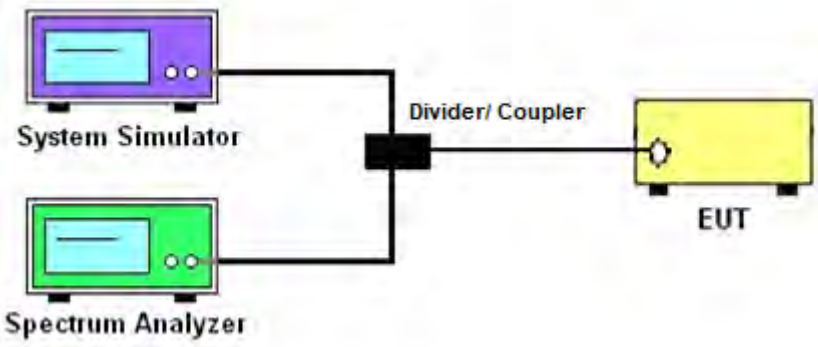
See list of measuring instruments of this test report.

3.1.1 Test Setup

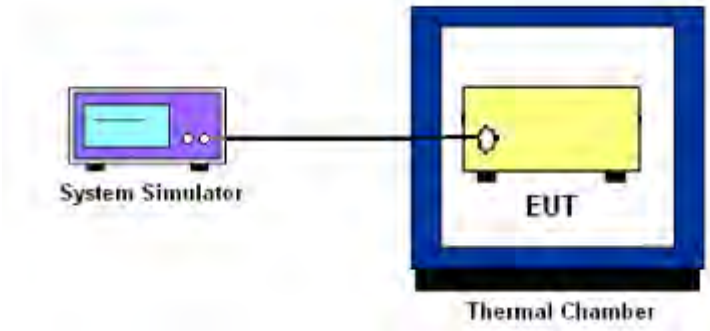
3.1.2 Conducted Output Power



3.1.3 Peak-to-Average Ratio, Occupied Bandwidth ,Conducted Band-Edge and Conducted Spurious Emission



3.1.4 Frequency Stability



3.1.5 Test Result of Conducted Test

Please refer to Appendix A.

3.2 Conducted Output Power and EIRP

3.2.1 Description of the Conducted Output Power Measurement and EIRP Measurement

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

The EIRP of mobile transmitters must not exceed 2 Watts for 5G NR n2
The EIRP of mobile transmitters must not exceed 1 Watts for 5G NR n66

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

3.2.2 Test Procedures

1. The transmitter output port was connected to the system simulator.
2. Set EUT at maximum power through the system simulator.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure and record the power level from the system simulator.

3.3 Peak-to-Average Ratio

3.3.1 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.

3.3.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.2.6

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

3.4 Occupied Bandwidth

3.4.1 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.

3.4.2 Test Procedures

The testing follows ANSI C63.26-2015 Section 5.4.3 (26dB) and Section 5.4.4 (99OB)

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. 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.
3. 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.
4. Set the detection mode to peak, and the trace mode to max hold.
5. 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)
6. Determine the “-26 dB down amplitude” as equal to (Reference Value – X).
7. 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.
8. Use the 99 % power bandwidth function of the spectrum analyzer and report the measured bandwidth.

3.5 Conducted Band Edge

3.5.1 Description of Conducted Band Edge Measurement

24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the 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 (h)

For operations in the 1710 – 1755 MHz band, 1755-1780 MHz, the FCC limit is 43 + 10log10(P[Watts]) dB below the transmitter power P(Watts) in a 1 MHz 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.

3.5.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. The band edges of low and high channels for the highest RF powers were measured.
3. Set RBW >= 1% EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Beyond the 1 MHz band from the band edge, RBW=1MHz was used.
5. Set spectrum analyzer with RMS detector.
6. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
7. Checked that all the results comply with the emission limit line.
   The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)

3.6 Conducted Spurious Emission

3.6.1 Description of Conducted Spurious Emission Measurement

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

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

3.6.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 6.1.

1. The EUT was connected to spectrum analyzer and system simulator via a power divider.
2. 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.
3. The conducted spurious emission for the whole frequency range was taken.
4. Make the measurement with the spectrum analyzer's RBW = 100 kHz if the authorized frequency band/block is at or below 1 GHz and 1 MHz if the authorized frequency band/block is above 1 GH, VBW = 3 * RBW.
5. Set spectrum analyzer with RMS detector.
6. Taking the record of maximum spurious emission.
7. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
8. The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)

3.7 Frequency Stability

3.7.1 Description of Frequency Stability Measurement

24.235 & 27.54

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

3.7.2 Test Procedures for Temperature Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was set up in the thermal chamber and connected with the system simulator.
2. 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.
3. 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.

3.7.3 Test Procedures for Voltage Variation

The testing follows FCC KDB 971168 D01 v03r01 Section 9.0.

1. The EUT was placed in a temperature chamber at 20±5° C and connected with the system simulator.
2. The power supply voltage to the EUT was varied from 85% to 115% of the nominal value measured at the input to the EUT.
3. The variation in frequency was measured for the worst case.

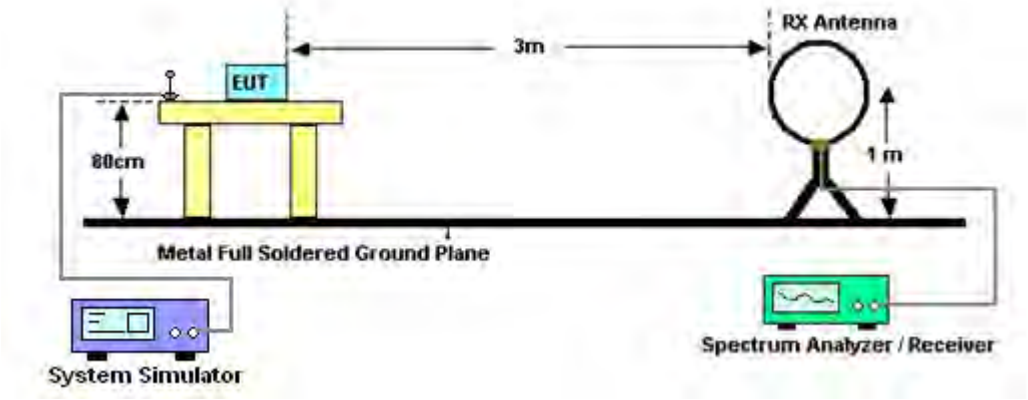
4 Radiated Test Items

4.1 Measuring Instruments

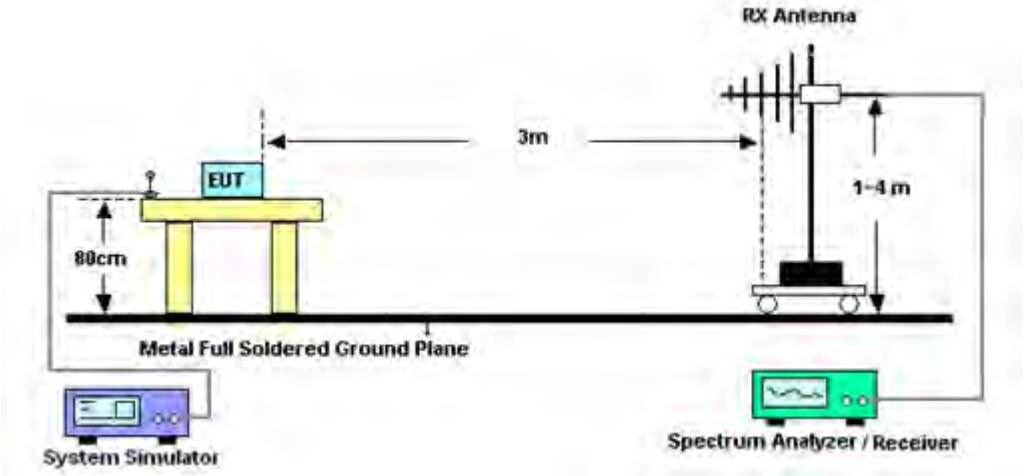
See list of measuring instruments of this test report.

4.1.1 Test Setup

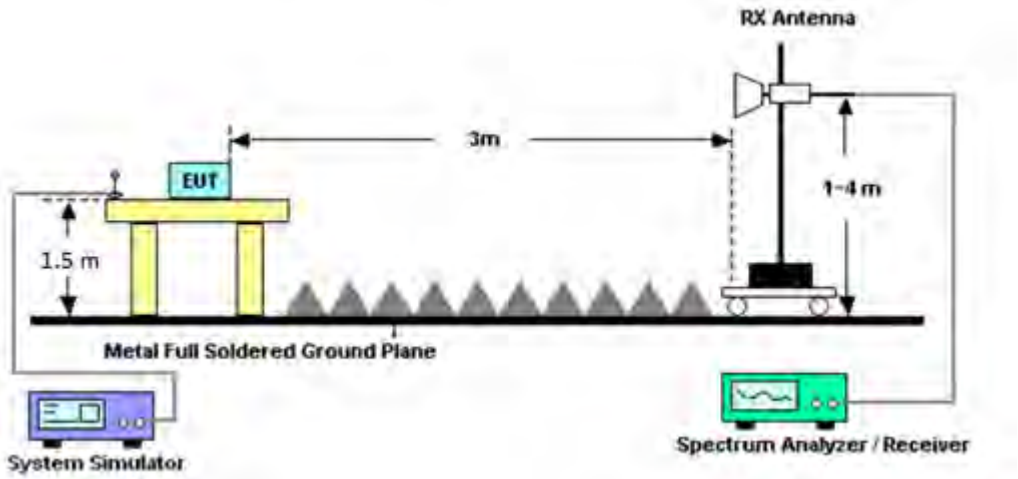
For radiated test below 30MHz



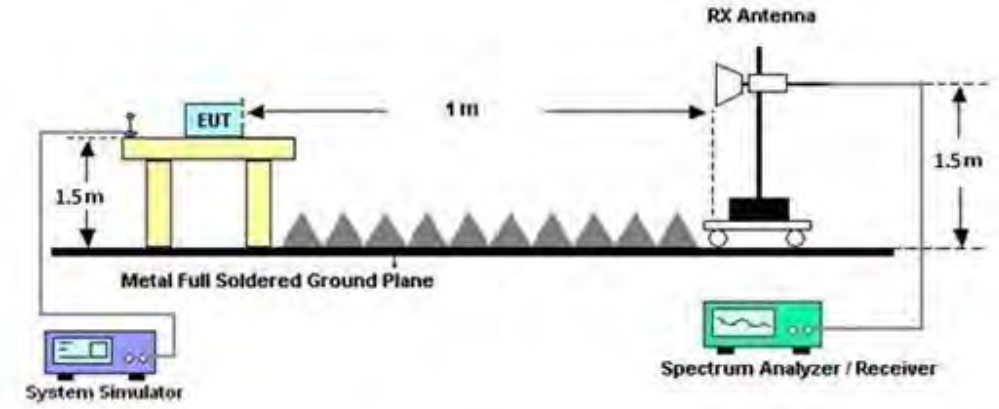
For radiated test from 30MHz to 1GHz



For radiated test from 1GHz to 18GHz



For radiated test above 18GHz



4.1.2 Test Result of Radiated Test

Please refer to Appendix B.

Note:

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.

There is adequate comparison measurement of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.

4.2 Radiated Spurious Emission Measurement

4.2.1 Description of Radiated Spurious Emission Measurement

The radiated spurious emission was measured by substitution method according to ANSI C63.26-2015.

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.

4.2.2 Test Procedures

The testing follows FCC KDB 971168 D01 v03r01 Section 7 and ANSI C63.26-2015 section 5.5.4 Radiated measurement using the field strength method.

1. The EUT was placed on a turntable with 0.8 meter for frequency below 1GHz and 1.5 meter for frequency above 1GHz respectively above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
6. To convert spectrum reading E(dBuV/m) to EIRP(dBm)

   EIRP(dBm) = Level (dBuV/m) + 20log(d) -104.77,

   where d is the distance at which filed strength limit is specified in the rules
7. Field Strength Level (dBm) = Spectrum Reading (dBm) + Antenna Factor + Cable Loss + Read Level - Preamp Factor.
8. ERP (dBm) = EIRP (dBm) - 2.15
9. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

5 List of Measuring Equipment

Instrument	Brand Name	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
LOOP Antenna	Rohde & Schwarz	HFH2-Z2	100488	9 kHz~30 MHz	Sep. 12, 2023	Aug. 08, 2024~ Aug. 12, 2024	Sep. 11, 2024	Radiation (03CH21-HY)
Bilog Antenna	TESEQ & WOKEN	CBL 6111D & 00802N1D-06	63303 & 001	30MHz~1GHz	Oct. 15, 2023	Aug. 08, 2024~ Aug. 12, 2024	Oct. 14, 2024	Radiation (03CH21-HY)
Double Ridge Horn Antenna	ETS-Lindgren	3117	00227880	1GHz~18GHz	Oct. 04, 2023	Aug. 08, 2024~ Aug. 12, 2024	Oct. 03, 2024	Radiation (03CH21-HY)
Double Ridged Guide Horn Antenna	RFSPIN	DRH18-E	LE2C03A18EN	1GHz~18GHz	Jul. 11, 2024	Aug. 08, 2024~ Aug. 12, 2024	Jul. 10, 2025	Radiation (03CH21-HY)
SHF-EHF Horn Antenna	SCHWARZBECK	BBHA 9170	1223	18GHz~40GHz	Jun. 24, 2024	Aug. 08, 2024~ Aug. 12, 2024	Jun. 23, 2025	Radiation (03CH21-HY)
Amplifier	SONOMA	310N	421580	30MHz~1GHz	Jul. 14, 2024	Aug. 08, 2024~ Aug. 12, 2024	Jul. 13, 2025	Radiation (03CH21-HY)
Amplifier	EMEC	EM01G18GA	060876	1GHz~18GHz	Sep. 28, 2023	Aug. 08, 2024~ Aug. 12, 2024	Sep. 27, 2024	Radiation (03CH21-HY)
Preamplifier	EMEC	EM18G40G	060871	18GHz~40GHz	Aug. 30, 2023	Aug. 08, 2024~ Aug. 12, 2024	Aug. 29, 2024	Radiation (03CH21-HY)
Spectrum Analyzer	Keysight	N9010B	MY62170358	10Hz~44GHz	Aug. 28, 2023	Aug. 08, 2024~ Aug. 12, 2024	Aug. 27, 2024	Radiation (03CH21-HY)
Signal Generator	Rohde & Schwarz	SMW200A	111391	N/A	Jan. 23,2024	Aug. 08, 2024~ Aug. 12, 2024	Jan. 22, 2025	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	803951/2	9K~30M	Mar. 06, 2024	Aug. 08, 2024~ Aug. 12, 2024	Mar. 05, 2025	Radiation (03CH21-HY)
RF Cable	HUBER + SUHNER	SUCOFLEX 102	804397/2,804612/2,804614/2	30MHz~40GHz	Oct. 24, 2023	Aug. 08, 2024~ Aug. 12, 2024	Oct. 23, 2024	Radiation (03CH21-HY)
Hygrometer	TECPEL	DTM-303A	TP211568	N/A	Oct. 30, 2023	Aug. 08, 2024~ Aug. 12, 2024	Oct. 29, 2024	Radiation (03CH21-HY)
Controller	EMEC	EM 1000	N/A	Control Turn table & Ant Mast	N/A	Aug. 08, 2024~ Aug. 12, 2024	N/A	Radiation (03CH21-HY)
Antenna Mast	EMEC	AM-BS-4500-B	N/A	1~4m	N/A	Aug. 08, 2024~ Aug. 12, 2024	N/A	Radiation (03CH21-HY)
Turn Table	EMEC	TT 2000	N/A	0~360 Degree	N/A	Aug. 08, 2024~ Aug. 12, 2024	N/A	Radiation (03CH21-HY)
Software	Audix	E3 6.2009-8-24	RK-002349	N/A	N/A	Aug. 08, 2024~ Aug. 12, 2024	N/A	Radiation (03CH21-HY)
DC Power Supply	GW Instek	GPE2323	GET910884	0V~64V ;0A~6A	Nov. 16, 2023	Jul. 31, 2024~ Aug. 03, 2024	Nov. 15, 2024	Conducted (TH03-HY)
Signal Analyzer	Rohde & Schwarz	FSV3044	101049	10Hz~44GHz	Sep. 26, 2023	Jul. 31, 2024~ Aug. 03, 2024	Sep. 25, 2024	Conducted (TH03-HY)
Temperature Chamber	ESPEC	SU-241	92003713	-30℃ ~95℃	May 14, 2024	Jul. 31, 2024~ Aug. 03, 2024	May 13, 2025	Conducted (TH03-HY)
Hygrometer	TECPEL	DTM-303B	TP200886	NA	Mar. 14, 2024	Jul. 31, 2024~ Aug. 03, 2024	Mar. 13, 2025	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8000A	6262148275	FR1	Oct. 24, 2023	Jul. 31, 2024~ Aug. 03, 2024	Oct. 23, 2024	Conducted (TH03-HY)
Coupler	MVE	MVE-4816-10	A400024	N/A	Jun. 27, 2024	Jul. 31, 2024~ Aug. 03, 2024	Jun. 26, 2025	Conducted (TH03-HY)
Software 1	Sporton	FCC 5GNR_FSV3044_20231106	N/A	Conducted Test Item	N/A	Jul. 31, 2024~ Aug. 03, 2024	N/A	Conducted (TH03-HY)
DC Power Supply	GW Instek	GPE2323	GET910884	0V~64V ;0A~6A	Nov. 16, 2023	Oct. 22, 2024	Nov. 15, 2024	Conducted (TH03-HY)
Hygrometer	TECPEL	DTM-303B	TP200886	NA	Mar. 14, 2024	Oct. 22, 2024	Mar. 13, 2025	Conducted (TH03-HY)
Base Station (Measure)	Anritsu	MT8000A	6262148275	FR1	Oct. 24, 2023	Oct. 22, 2024	Oct. 23, 2024	Conducted (TH03-HY)
Coupler	MVE	MVE-4816-10	A400024	N/A	Jun. 27, 2024	Oct. 22, 2024	Jun. 26, 2025	Conducted (TH03-HY)
RF Cable	MVE	MCBL-LL403P.50	E80002C	9KHz~40GHz	Aug. 23, 2024	Oct. 22, 2024	Aug. 22, 2025	Conducted (TH03-HY)
Software 1	Sporton	FCC 5GNR_FSV3044_20231106	N/A	Conducted Test Item	N/A	Oct. 22, 2024	N/A	Conducted (TH03-HY)

6 Measurement Uncertainty

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.04 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.33 dB**

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

Measuring Uncertainty for a Level of Confidence of 95% (U = 2Uc(y))	**3.68 dB**

Appendix A. Test Results of Conducted Test

Conducted Output Power(Average power) and ERP/EIRP

<Ant. 2>

NR n2 Maximum Average Power [dBm] (GT - LC = -1.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	23.92	23.96	24.01	22.94	0.1968
5	1	23		23.98	24.03	23.94		
5	12	6		23.87	23.95	23.93		
5	1	0		23.54	23.56	23.54		
5	1	24		23.51	23.57	23.54		
5	25	0		23.45	23.58	23.50		
5	1	1	QPSK	23.95	23.95	23.99		
5	1	23		23.95	24.04	23.88		
5	12	6		23.91	23.95	23.98		
5	1	0		23.06	23.11	23.08		
5	1	24		23.02	23.13	23.05		
5	25	0		22.97	23.02	23.01		
5	1	1	16-QAM	23.08	23.18	23.15	22.08	0.1614
5	1	1	64-QAM	21.60	21.46	21.62		
5	1	1	256-QAM	19.40	19.54	19.41		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = -1.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	24.00	24.05	24.01	22.95	0.1972
10	1	50		24.04	23.98	23.88		
10	25	12		23.87	24.00	23.95		
10	1	0		23.51	23.59	23.56		
10	1	51		23.56	23.59	23.54		
10	50	0		23.53	23.59	23.56		
10	1	1	QPSK	23.99	23.99	23.92		
10	1	50		23.94	23.91	23.87		
10	25	12		23.95	24.02	23.94		
10	1	0		23.03	23.12	23.02		
10	1	51		22.97	23.14	23.00		
10	50	0		23.12	23.11	23.06		
10	1	1	16-QAM	23.08	23.04	23.08	21.98	0.1578
10	1	1	64-QAM	21.58	21.49	21.51		
10	1	1	256-QAM	19.57	19.96	19.56		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = -1.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	23.96	23.98	23.86	22.97	0.1982
15	1	77		23.93	23.99	23.82		
15	36	18		23.97	24.01	23.88		
15	1	0		23.55	23.59	23.60		
15	1	78		23.54	23.60	23.49		
15	75	0		23.61	23.64	23.49		
15	1	1	QPSK	24.01	24.02	23.97		
15	1	77		23.94	23.96	23.81		
15	36	18		24.07	24.01	23.85		
15	1	0		23.05	23.04	23.10		
15	1	78		23.07	23.04	22.95		
15	75	0		23.06	23.09	23.03		
15	1	1	16-QAM	23.28	22.98	23.27	22.18	0.1652
15	1	1	64-QAM	21.76	21.70	21.52		
15	1	1	256-QAM	19.58	19.49	19.60		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = -1.1 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	23.95	24.11	23.99	23.01	0.2
20	1	104		24.02	23.89	23.89		
20	50	25		23.95	23.97	23.96		
20	1	0		23.63	23.60	23.72		
20	1	105		23.56	23.56	23.57		
20	100	0		23.58	23.58	23.60		
20	1	1	QPSK	24.00	23.99	24.00		
20	1	104		23.89	23.92	23.88		
20	50	25		23.94	24.06	23.95		
20	1	0		23.14	23.11	23.16		
20	1	105		23.01	16.92	23.04		
20	100	0		23.12	23.14	23.05		
20	1	1	16-QAM	23.16	23.26	23.29	22.19	0.1656
20	1	1	64-QAM	21.50	21.57	21.76		
20	1	1	256-QAM	19.68	19.38	19.49		
Limit	EIRP < 2W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -1.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	24.52	24.53	24.50	23.07	0.2028
5	1	23		24.55	24.57	24.51		
5	12	6		24.45	24.53	24.43		
5	1	0		24.15	24.09	24.09		
5	1	24		24.14	24.16	24.02		
5	25	0		24.10	24.19	24.06		
5	1	1	QPSK	24.52	24.54	24.45		
5	1	23		24.50	24.50	24.35		
5	12	6		24.49	24.51	24.43		
5	1	0		23.59	23.61	23.57		
5	1	24		23.67	23.59	23.55		
5	25	0		23.61	23.64	23.54		
5	1	1	16-QAM	23.70	23.55	23.47	22.2	0.166
5	1	1	64-QAM	22.28	21.92	22.29		
5	1	1	256-QAM	20.13	20.25	20.08		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -1.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	24.57	24.57	24.48	23.09	0.2037
10	1	50		24.56	24.55	24.42		
10	25	12		24.58	24.46	24.52		
10	1	0		24.19	24.15	24.11		
10	1	51		24.15	24.17	23.99		
10	50	0		24.14	24.14	24.05		
10	1	1	QPSK	24.59	24.56	24.53		
10	1	50		24.58	24.47	24.37		
10	25	12		24.57	24.54	24.45		
10	1	0		23.74	23.53	23.66		
10	1	51		23.64	23.66	23.54		
10	50	0		23.68	23.49	23.59		
10	1	1	16-QAM	23.49	23.50	23.51	22.01	0.1589
10	1	1	64-QAM	21.98	22.41	22.03		
10	1	1	256-QAM	20.29	20.13	20.03		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -1.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	24.47	24.52	24.50	23.08	0.2032
15	1	77		24.50	24.58	24.35		
15	36	18		24.51	24.52	24.43		
15	1	0		24.13	24.12	24.13		
15	1	78		24.08	24.13	24.03		
15	75	0		24.12	24.15	24.11		
15	1	1	QPSK	24.56	24.53	24.49		
15	1	77		24.58	24.56	24.41		
15	36	18		24.49	24.55	24.52		
15	1	0		23.66	23.58	23.70		
15	1	78		23.70	23.61	23.47		
15	75	0		23.67	23.66	23.62		
15	1	1	16-QAM	23.67	23.77	23.77	22.27	0.1687
15	1	1	64-QAM	22.02	22.21	22.34		
15	1	1	256-QAM	20.06	20.17	20.11		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -1.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	24.49	24.47	24.50	23.12	0.2051
20	1	104		24.52	24.56	24.37		
20	50	25		24.61	24.55	24.58		
20	1	0		24.07	24.12	24.11		
20	1	105		24.11	24.16	24.02		
20	100	0		24.14	24.12	24.15		
20	1	1	QPSK	24.61	24.50	24.52		
20	1	104		24.58	24.62	24.38		
20	50	25		24.49	24.54	24.48		
20	1	0		23.66	23.60	23.66		
20	1	105		23.64	23.72	23.46		
20	100	0		23.68	23.64	23.59		
20	1	1	16-QAM	23.75	23.74	23.60	22.25	0.1679
20	1	1	64-QAM	22.16	22.14	22.25		
20	1	1	256-QAM	20.26	20.29	20.23		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -1.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
25	1	1	PI/2 BPSK	24.53	24.48	24.44	23.13	0.2056
25	1	131		24.47	24.46	24.39		
25	64	32		24.47	24.49	24.57		
25	1	0		24.14	24.11	24.11		
25	1	132		24.08	24.10	23.96		
25	128	0		24.11	24.20	24.13		
25	1	1	QPSK	24.46	24.55	24.47		
25	1	131		24.56	24.50	24.38		
25	64	32		24.61	24.63	24.55		
25	1	0		23.63	23.56	23.56		
25	1	132		23.57	23.51	23.36		
25	128	0		23.67	23.66	23.59		
25	1	1	16-QAM	23.64	23.53	23.53	22.14	0.1637
25	1	1	64-QAM	22.16	22.20	22.20		
25	1	1	256-QAM	20.19	20.14	20.08		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -1.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	24.47	24.45	24.46	23.11	0.2046
30	1	158		24.52	24.46	24.30		
30	80	40		24.61	24.59	24.47		
30	1	0		24.05	24.05	24.01		
30	1	159		24.15	24.12	23.93		
30	160	0		24.11	24.14	24.05		
30	1	1	QPSK	24.51	24.46	24.43		
30	1	158		24.38	24.49	24.32		
30	80	40		24.46	24.54	24.52		
30	1	0		23.39	23.54	23.52		
30	1	159		23.55	23.52	23.40		
30	160	0		23.62	23.63	23.59		
30	1	1	16-QAM	23.55	23.38	23.63	22.13	0.1633
30	1	1	64-QAM	22.01	22.20	22.10		
30	1	1	256-QAM	20.08	20.05	20.04		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -1.5 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	24.37	24.29	24.34	23.04	0.2014
40	1	214		24.44	24.39	24.19		
40	108	54		24.50	24.54	24.46		
40	1	0		24.03	23.95	23.89		
40	1	215		24.03	23.95	23.81		
40	216	0		24.13	24.13	23.99		
40	1	1	QPSK	24.33	24.39	24.28		
40	1	214		24.42	24.42	24.19		
40	108	54		24.53	24.50	24.44		
40	1	0		23.51	23.42	23.41		
40	1	215		23.51	23.47	23.29		
40	216	0		23.66	23.61	23.50		
40	1	1	16-QAM	23.62	23.41	23.34	22.12	0.1629
40	1	1	64-QAM	22.26	22.01	21.82		
40	1	1	256-QAM	19.98	19.89	19.86		
Limit	EIRP < 1W			Result			Pass	

<Ant. 0>

NR n2 Maximum Average Power [dBm] (GT - LC = -3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	23.21	23.42	23.30	20.48	0.1117
5	1	23		23.27	23.41	23.22		
5	12	6		23.20	23.41	23.25		
5	1	0		22.76	22.90	22.76		
5	1	24		22.82	22.93	22.73		
5	25	0		22.76	22.90	22.73		
5	1	1	QPSK	23.18	23.46	23.29		
5	1	23		23.37	23.48	23.27		
5	12	6		23.28	23.42	23.25		
5	1	0		22.29	22.49	22.24		
5	1	24		22.38	22.42	22.19		
5	25	0		22.32	22.38	22.22		
5	1	1	16-QAM	22.13	22.47	22.31	19.47	0.0885
5	1	1	64-QAM	20.31	21.18	20.77		
5	1	1	256-QAM	18.81	18.86	18.77		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = -3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	23.16	23.36	23.22	20.42	0.1102
10	1	50		23.32	23.41	23.21		
10	25	12		23.29	23.40	23.19		
10	1	0		22.73	22.92	22.70		
10	1	51		22.82	22.90	22.81		
10	50	0		22.82	22.86	22.74		
10	1	1	QPSK	23.22	23.42	23.19		
10	1	50		23.39	23.36	23.26		
10	25	12		23.24	23.41	23.22		
10	1	0		22.23	22.39	22.25		
10	1	51		22.36	22.44	22.30		
10	50	0		22.28	22.33	22.26		
10	1	1	16-QAM	22.15	22.36	22.17	19.36	0.0863
10	1	1	64-QAM	20.46	20.76	20.67		
10	1	1	256-QAM	18.31	18.89	18.65		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = -3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	23.16	23.42	23.22	20.47	0.1114
15	1	77		23.47	23.33	23.16		
15	36	18		23.35	23.41	23.13		
15	1	0		22.74	22.94	22.72		
15	1	78		22.94	22.82	22.66		
15	75	0		22.76	22.89	22.63		
15	1	1	QPSK	23.29	23.42	23.18		
15	1	77		23.40	23.43	23.25		
15	36	18		23.32	23.40	23.20		
15	1	0		22.28	22.48	22.18		
15	1	78		22.39	22.36	22.22		
15	75	0		22.34	22.37	22.16		
15	1	1	16-QAM	22.26	22.26	22.23	19.26	0.0843
15	1	1	64-QAM	20.37	20.79	20.56		
15	1	1	256-QAM	18.66	18.75	18.75		
Limit	EIRP < 2W			Result			Pass	

NR n2 Maximum Average Power [dBm] (GT - LC = -3 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	23.21	23.44	23.29	20.52	0.1127
20	1	104		23.41	23.26	23.21		
20	50	25		23.41	23.39	23.13		
20	1	0		22.70	22.95	22.73		
20	1	105		22.91	22.78	22.70		
20	100	0		22.85	22.86	22.75		
20	1	1	QPSK	23.23	23.50	23.21		
20	1	104		23.52	23.28	23.24		
20	50	25		23.43	23.40	23.26		
20	1	0		22.18	22.43	22.22		
20	1	105		22.45	22.32	22.23		
20	100	0		22.41	22.37	22.20		
20	1	1	16-QAM	22.10	22.56	22.33	19.56	0.0904
20	1	1	64-QAM	20.44	21.00	20.93		
20	1	1	256-QAM	18.50	18.97	18.67		
Limit	EIRP < 2W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -0.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
5	1	1	PI/2 BPSK	23.90	23.81	23.74	23.36	0.2168
5	1	23		23.88	23.86	23.65		
5	12	6		23.91	23.90	23.74		
5	1	0		23.45	23.34	23.26		
5	1	24		23.39	23.40	23.12		
5	25	0		23.42	23.36	23.13		
5	1	1	QPSK	23.96	23.82	23.70		
5	1	23		23.88	23.91	23.53		
5	12	6		23.90	23.84	23.65		
5	1	0		22.91	22.89	22.65		
5	1	24		22.99	22.90	22.55		
5	25	0		22.99	22.87	22.68		
5	1	1	16-QAM	22.82	22.92	22.82	22.32	0.1706
5	1	1	64-QAM	21.55	21.50	21.23		
5	1	1	256-QAM	19.47	19.43	19.44		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -0.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
10	1	1	PI/2 BPSK	24.07	23.84	23.89	23.47	0.2223
10	1	50		23.86	23.90	23.59		
10	25	12		23.99	23.93	23.72		
10	1	0		23.54	23.38	23.38		
10	1	51		23.34	23.37	23.15		
10	50	0		23.48	23.39	23.22		
10	1	1	QPSK	24.02	23.88	23.90		
10	1	50		23.92	23.89	23.50		
10	25	12		23.92	23.80	23.79		
10	1	0		23.12	22.88	22.94		
10	1	51		22.90	22.79	22.54		
10	50	0		22.95	22.84	22.82		
10	1	1	16-QAM	23.16	22.88	22.85	22.56	0.1803
10	1	1	64-QAM	21.67	21.55	21.48		
10	1	1	256-QAM	19.52	19.46	19.45		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -0.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
15	1	1	PI/2 BPSK	23.95	23.89	23.91	23.41	0.2193
15	1	77		23.76	23.90	23.55		
15	36	18		23.98	23.95	23.72		
15	1	0		23.55	23.37	23.37		
15	1	78		23.34	23.43	22.93		
15	75	0		23.37	23.43	23.22		
15	1	1	QPSK	24.01	23.92	23.89		
15	1	77		23.77	23.89	23.60		
15	36	18		23.89	23.84	23.82		
15	1	0		22.98	22.90	22.90		
15	1	78		22.76	23.02	22.60		
15	75	0		22.93	22.91	22.75		
15	1	1	16-QAM	22.61	22.96	22.81	22.36	0.1722
15	1	1	64-QAM	21.66	21.55	21.30		
15	1	1	256-QAM	19.46	19.24	19.40		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -0.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
20	1	1	PI/2 BPSK	23.95	23.88	23.98	23.38	0.2178
20	1	104		23.69	23.88	23.55		
20	50	25		23.89	23.92	23.74		
20	1	0		23.42	23.39	23.40		
20	1	105		23.17	23.38	23.04		
20	100	0		23.35	23.37	23.28		
20	1	1	QPSK	23.98	23.85	23.92		
20	1	104		23.76	23.92	23.49		
20	50	25		23.88	23.82	23.81		
20	1	0		22.94	22.88	22.97		
20	1	105		22.73	22.91	22.54		
20	100	0		22.85	22.92	22.81		
20	1	1	16-QAM	22.82	22.77	23.05	22.45	0.1758
20	1	1	64-QAM	21.47	21.53	21.52		
20	1	1	256-QAM	19.46	19.42	19.46		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -0.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
25	1	1	PI/2 BPSK	23.94	23.84	23.96	23.37	0.2173
25	1	131		23.70	23.93	23.52		
25	64	32		23.88	23.89	23.80		
25	1	0		23.50	23.38	23.42		
25	1	132		23.25	23.48	23.03		
25	128	0		23.32	23.43	23.36		
25	1	1	QPSK	23.85	23.84	23.91		
25	1	131		23.72	23.94	23.55		
25	64	32		23.85	23.97	23.86		
25	1	0		22.84	22.80	22.92		
25	1	132		22.74	22.84	22.45		
25	128	0		22.82	23.02	22.86		
25	1	1	16-QAM	22.88	22.83	23.01	22.41	0.1742
25	1	1	64-QAM	21.48	21.27	21.48		
25	1	1	256-QAM	19.33	19.35	19.42		
Limit	EIRP < 1W			Result			Pass	

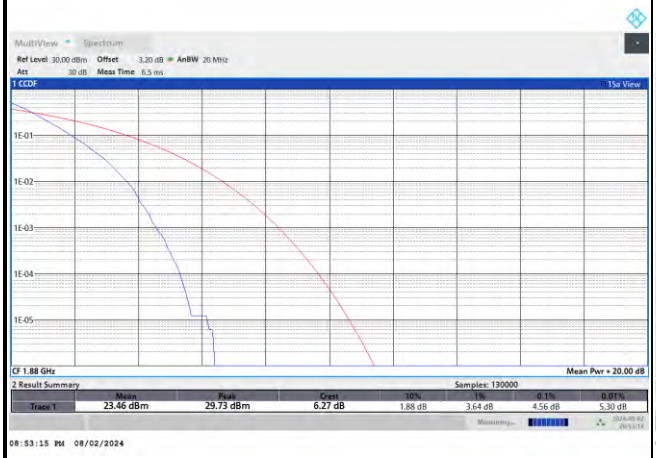
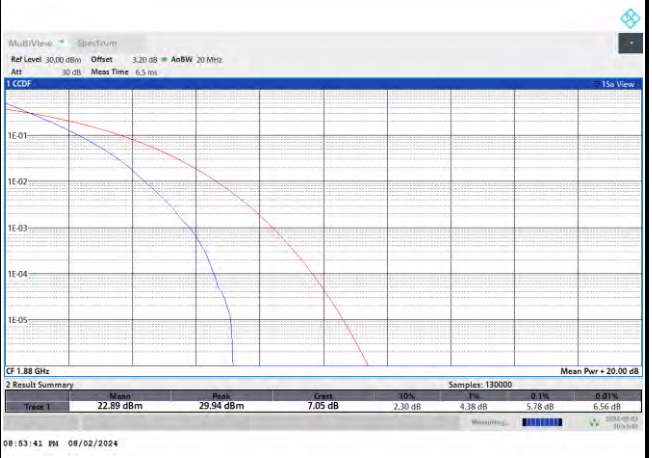
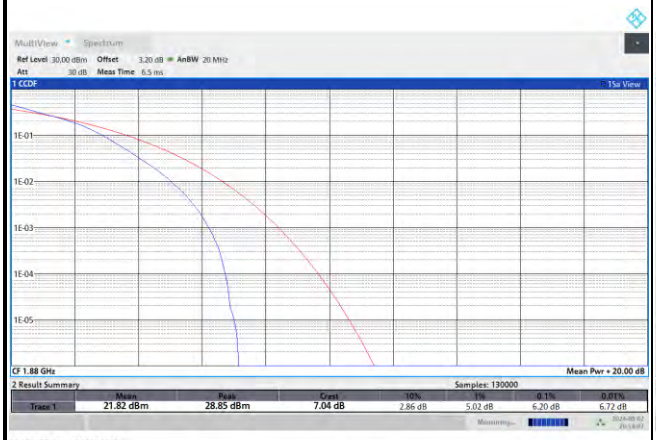
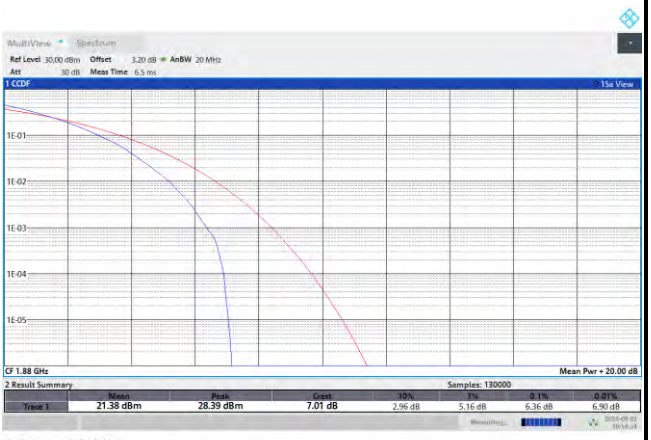
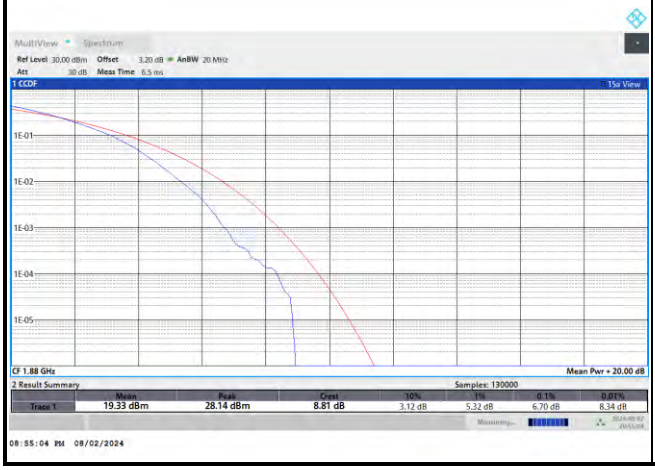
NR n66 Maximum Average Power [dBm] (GT - LC = -0.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
30	1	1	PI/2 BPSK	24.00	23.82	23.89	23.4	0.2188
30	1	158		23.74	23.87	23.53		
30	80	40		23.94	23.96	23.95		
30	1	0		23.48	23.30	23.50		
30	1	159		23.25	23.37	23.02		
30	160	0		23.36	23.48	23.41		
30	1	1	QPSK	23.99	23.82	23.94		
30	1	158		23.70	23.81	23.54		
30	80	40		23.88	23.97	24.00		
30	1	0		23.08	22.83	22.95		
30	1	159		22.70	22.92	22.57		
30	160	0		22.88	22.91	22.88		
30	1	1	16-QAM	23.08	22.87	22.82	22.48	0.1770
30	1	1	64-QAM	21.59	21.51	21.62		
30	1	1	256-QAM	19.51	19.29	19.49		
Limit	EIRP < 1W			Result			Pass	

NR n66 Maximum Average Power [dBm] (GT - LC = -0.6 dB)								
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest	EIRP (dBm)	EIRP(W)
40	1	1	PI/2 BPSK	23.87	23.83	23.68	23.4	0.2188
40	1	214		23.68	23.74	23.32		
40	108	54		23.81	24.00	23.87		
40	1	0		23.45	23.35	23.24		
40	1	215		23.23	23.17	22.88		
40	216	0		23.39	23.48	23.29		
40	1	1	QPSK	23.90	23.81	23.80		
40	1	214		23.71	23.73	23.44		
40	108	54		23.87	23.92	23.89		
40	1	0		22.91	22.84	22.72		
40	1	215		22.75	22.81	22.34		
40	216	0		22.91	22.91	22.81		
40	1	1	16-QAM	22.84	22.60	22.83	22.24	0.1675
40	1	1	64-QAM	21.41	21.49	20.95		
40	1	1	256-QAM	19.41	19.18	19.08		
Limit	EIRP < 1W			Result			Pass	

FR1 n2

Peak-to-Average Ratio

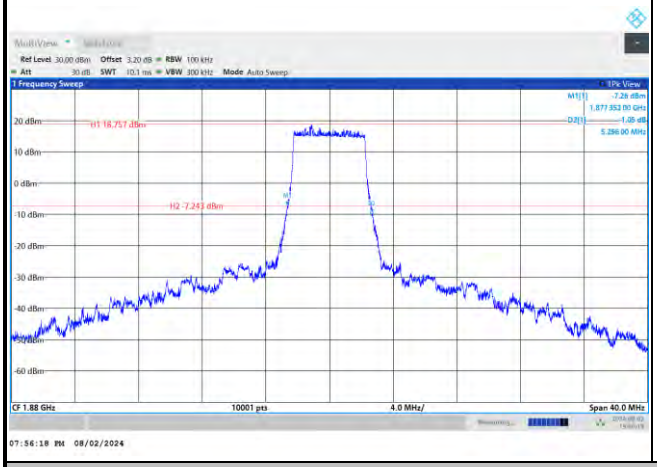
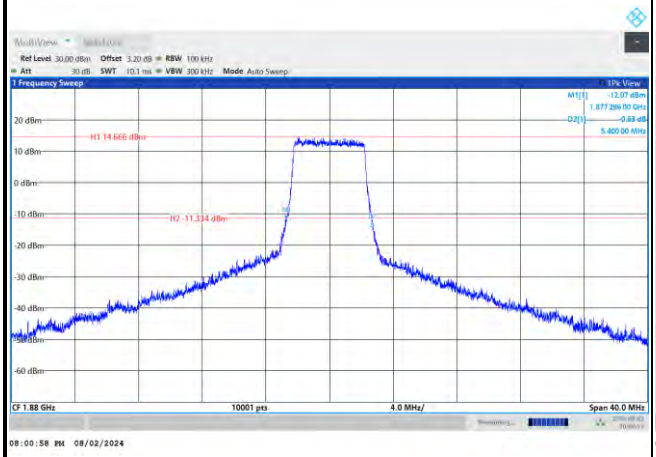
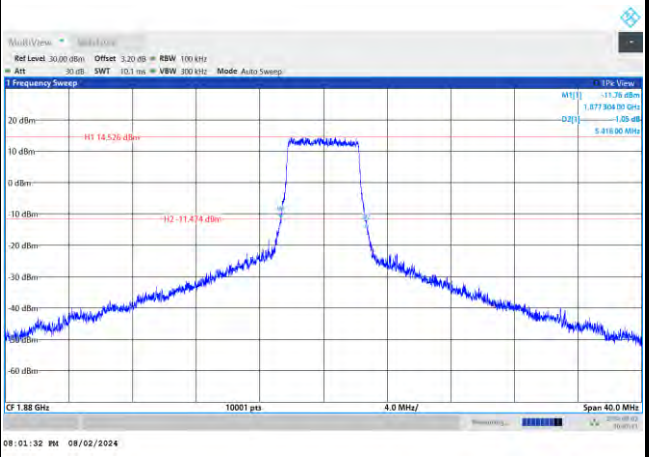
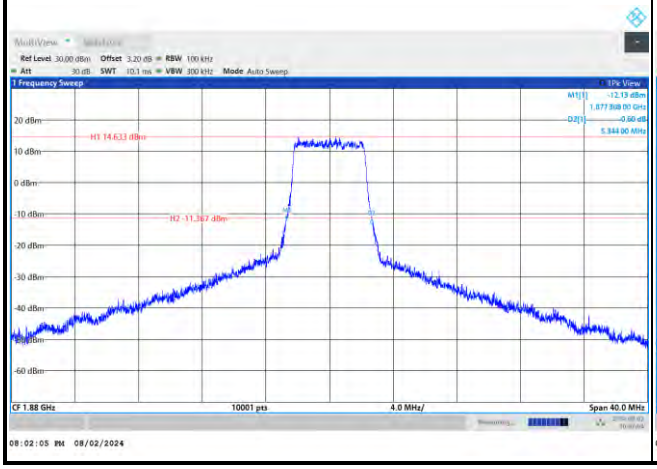
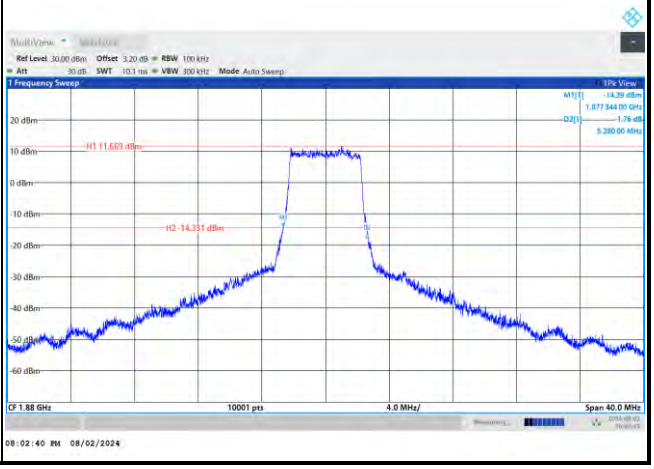
Mode	FR1 n2 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.56	5.78	6.20	6.36	PASS
Mode	FR1 n2 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.70				PASS

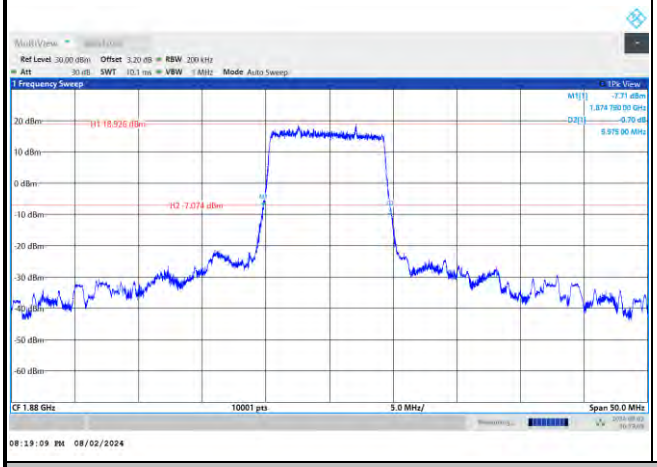
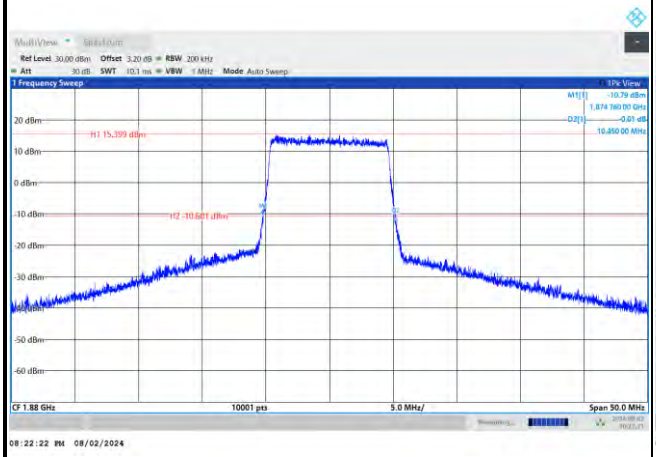
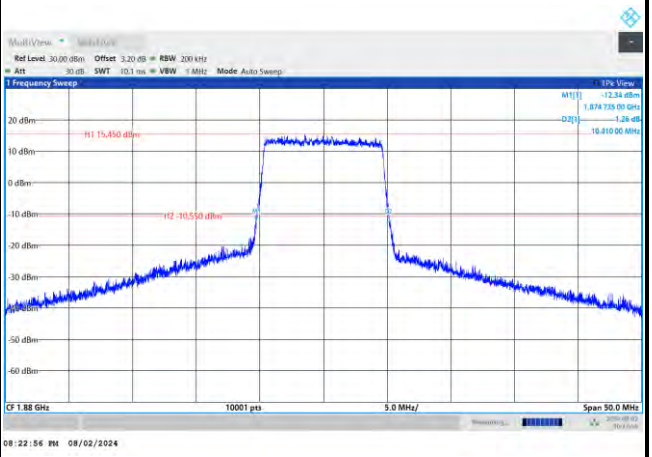
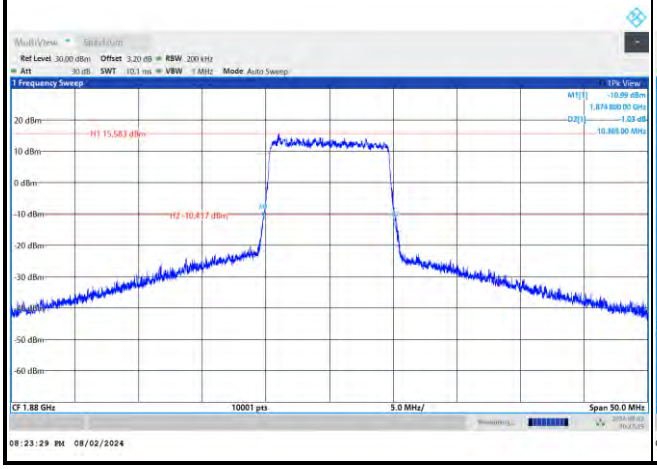
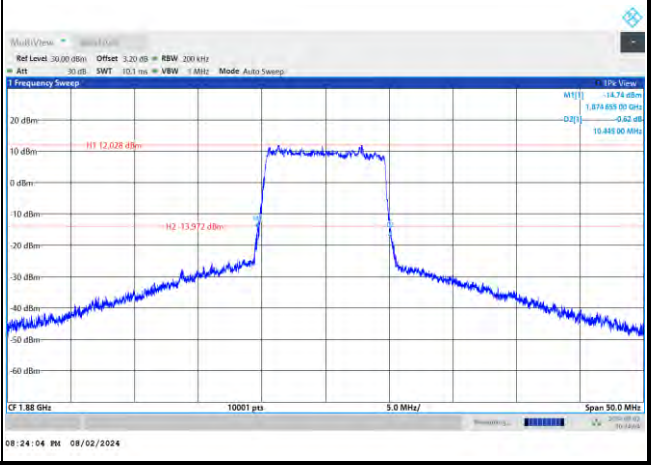
FR1 n2 / 20MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	QPSK
	
16QAM	64QAM
	
256QAM	
	

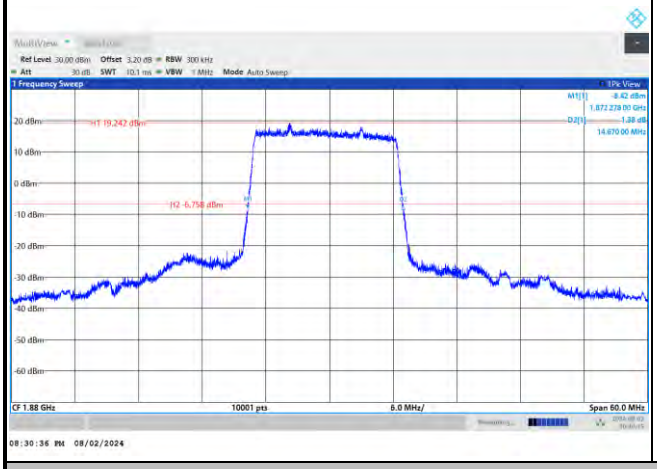
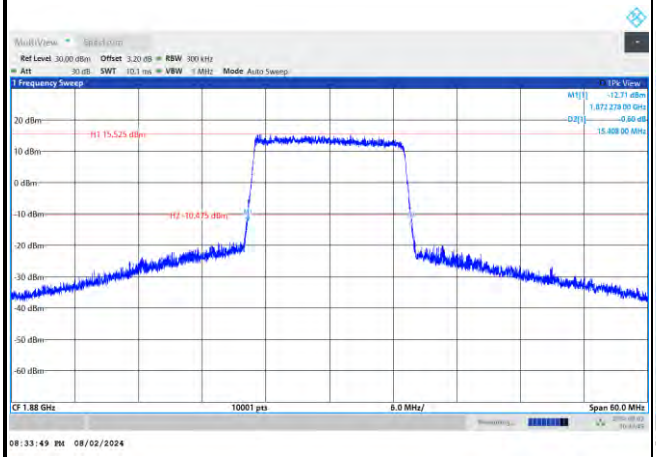
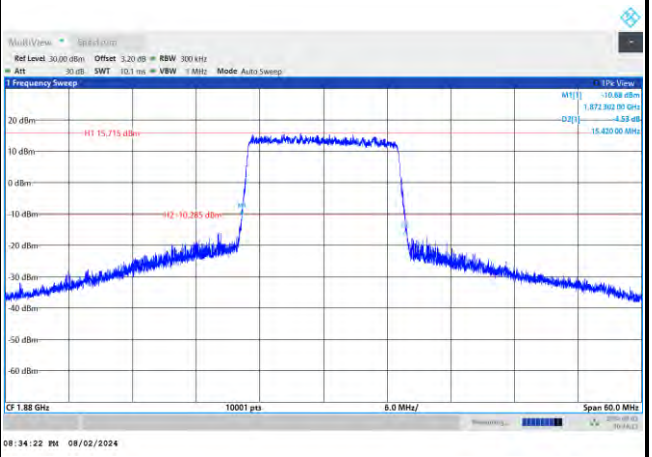
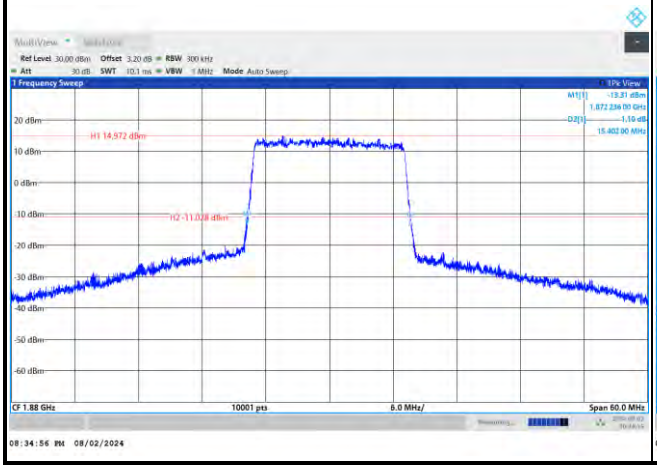
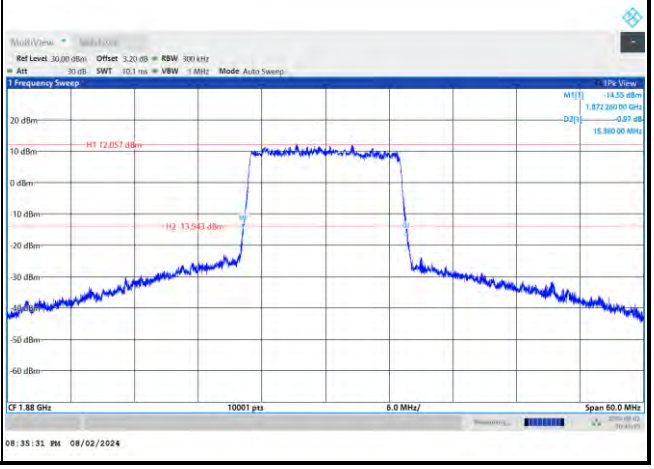
26dB Bandwidth

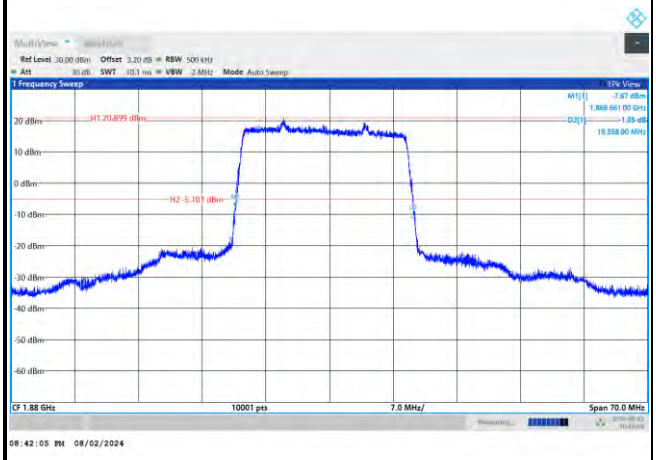
Mode	FR1 n2 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	5.29		9.97		14.66		19.55	

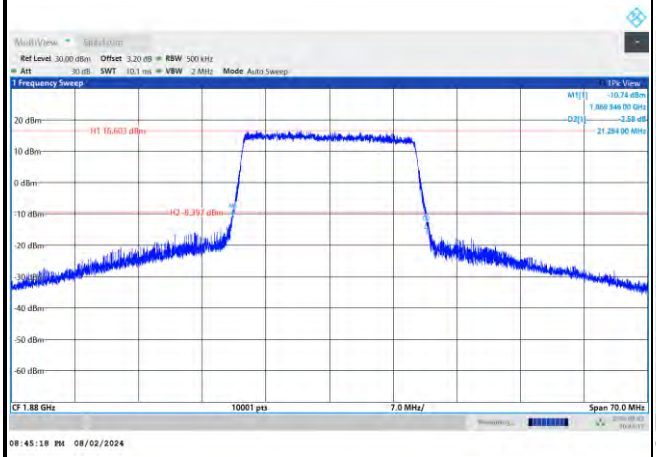
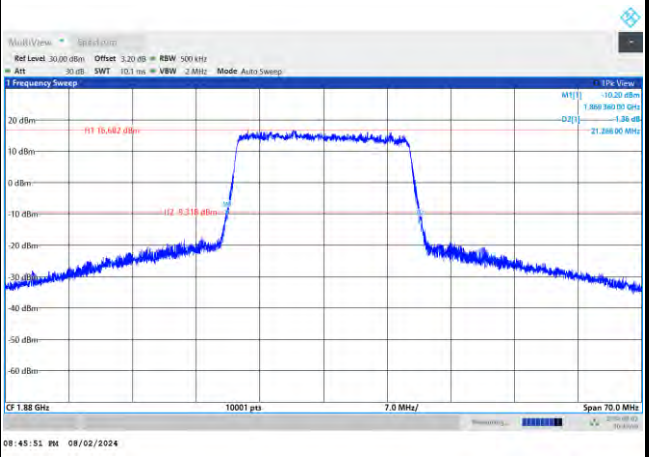
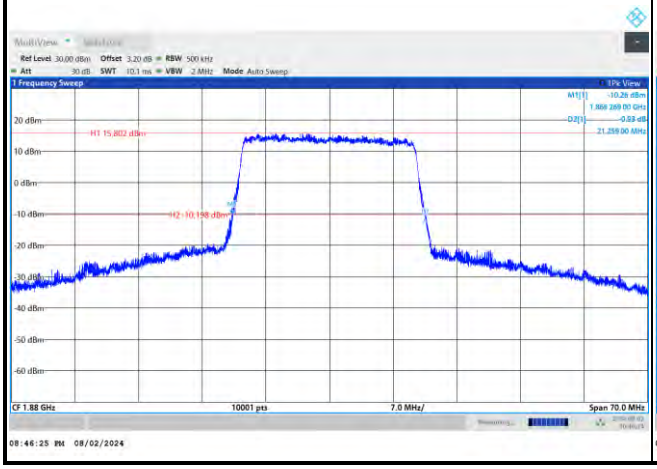
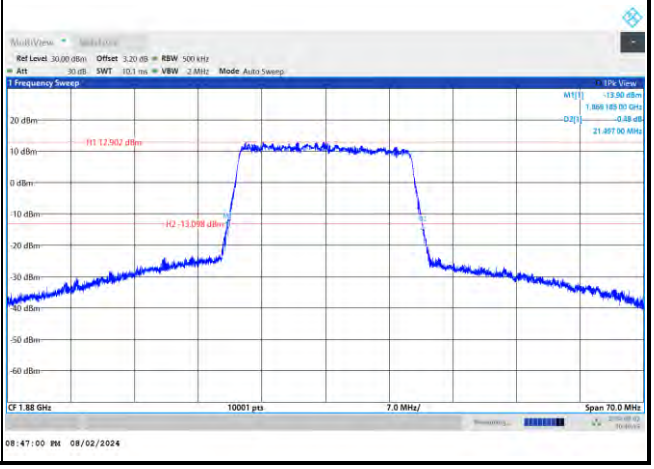
Mode	FR1 n2 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	5.40	5.41	10.44	10.41	15.40	15.41	21.29	21.26
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	5.34	5.28	10.36	10.44	15.40	15.35	21.25	21.49

FR1 n2 / 5MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	
FR1 n2 / 5MHz / CP OFDM / Middle Channel / Full RB	
QPSK	**16QAM**
	
64QAM	**256QAM**
	

FR1 n2 / 10MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	
FR1 n2 / 10MHz / CP OFDM / Middle Channel / Full RB	
QPSK	**16QAM**
	
64QAM	**256QAM**
	

FR1 n2 / 15MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	
FR1 n2 / 15MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

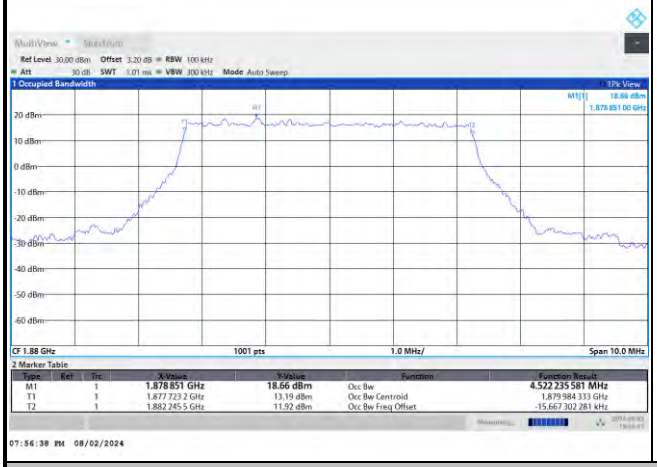
FR1 n2 / 20MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

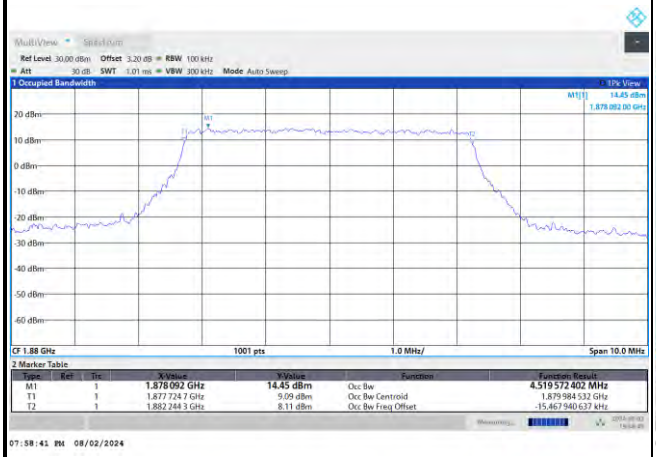
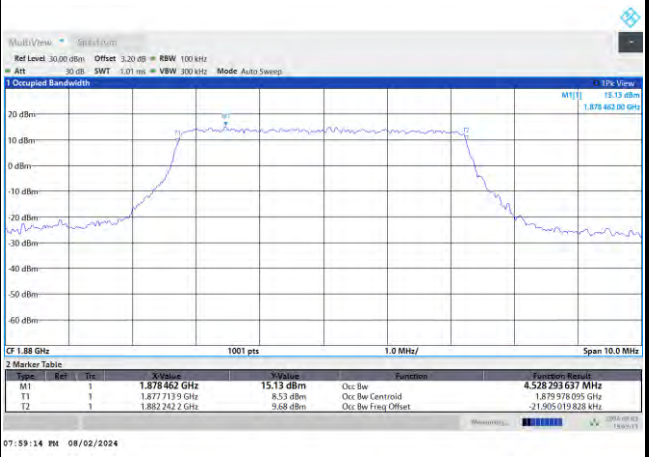
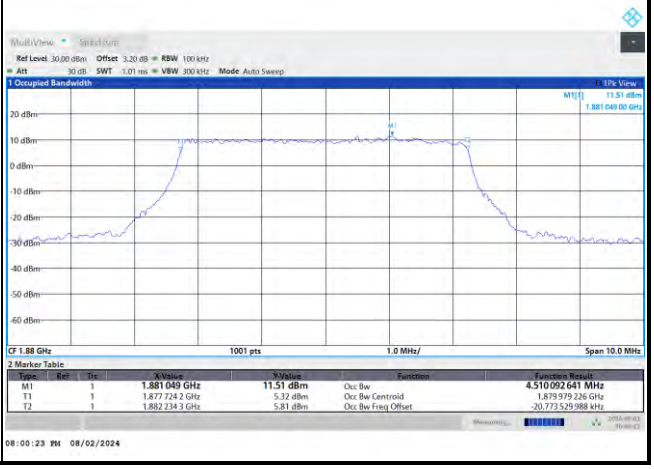
FR1 n2 / 20MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

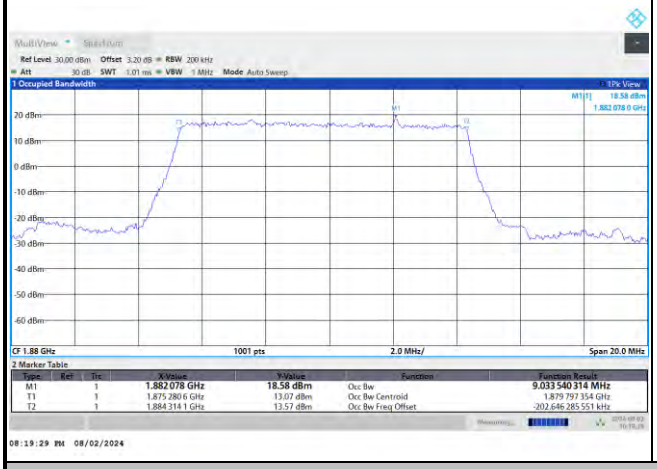
Occupied Bandwidth

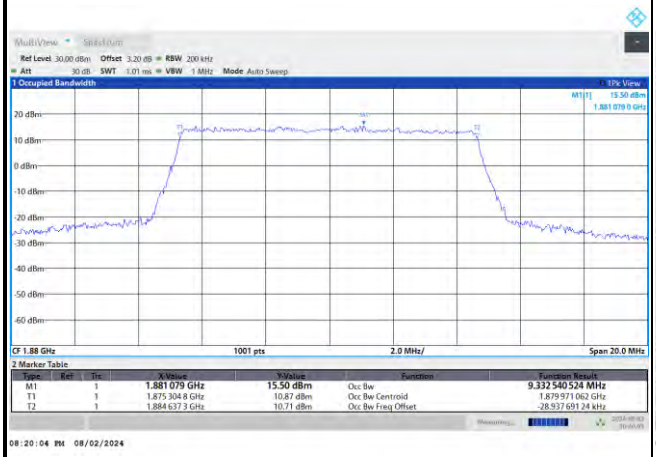
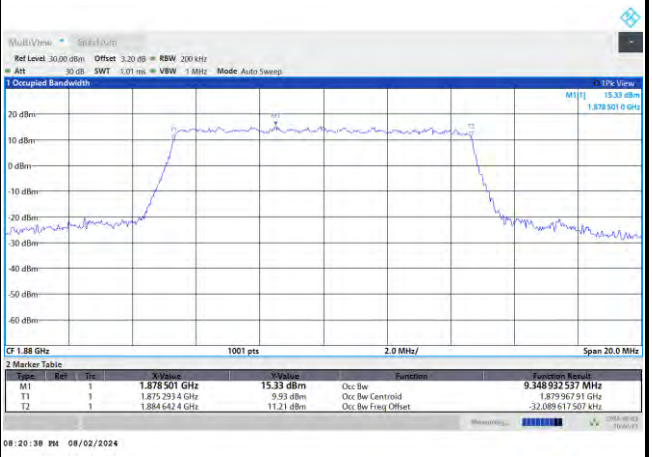
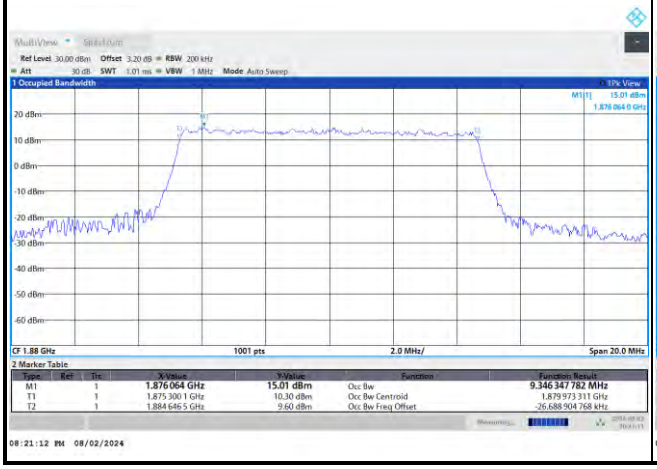
Mode	FR1 n2 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.52		9.03		13.45		18.03	

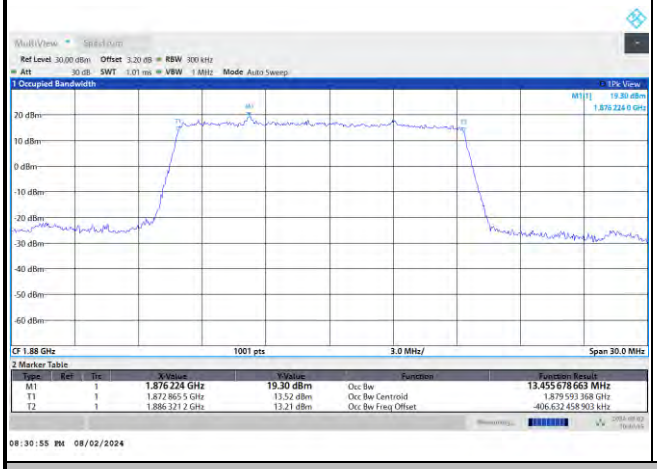
Mode	FR1 n2 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.51	4.52	9.33	9.34	14.14	14.15	19.05	19.01
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.52	4.51	9.34	9.37	14.18	14.14	19.05	19.08

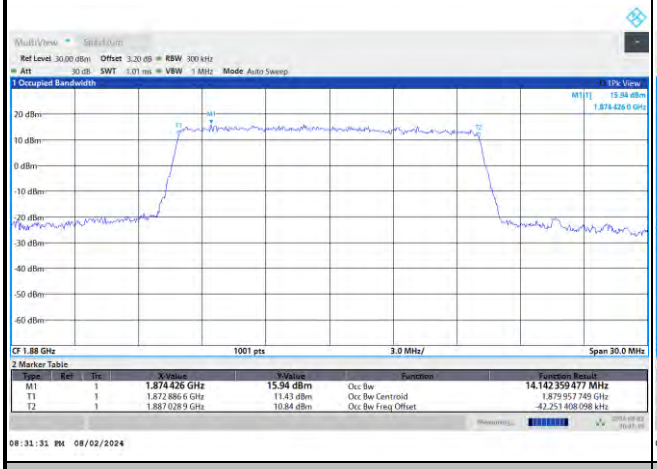
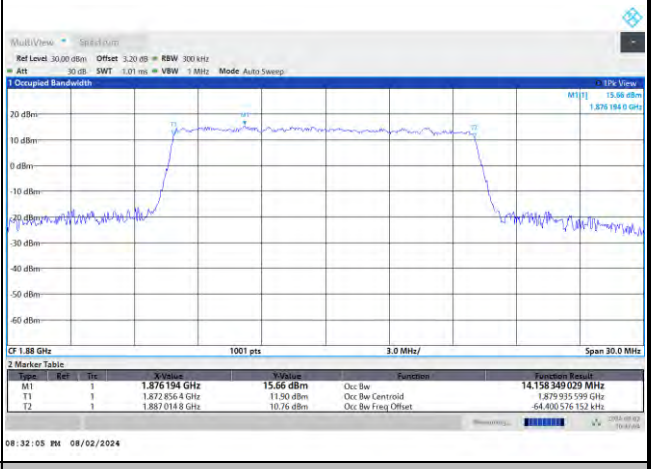
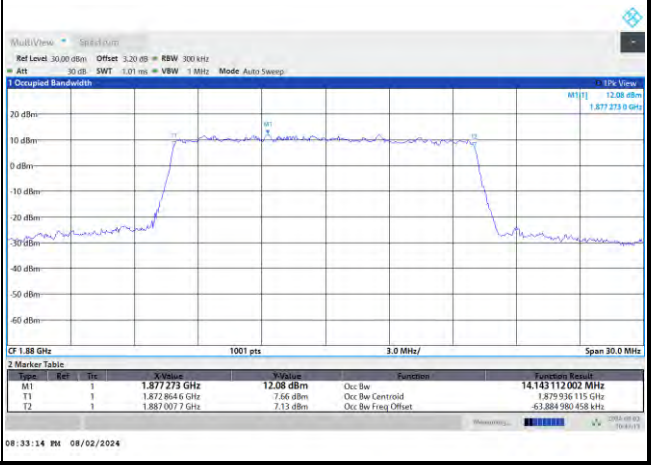
FR1 n2 / 5MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

FR1 n2 / 5MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

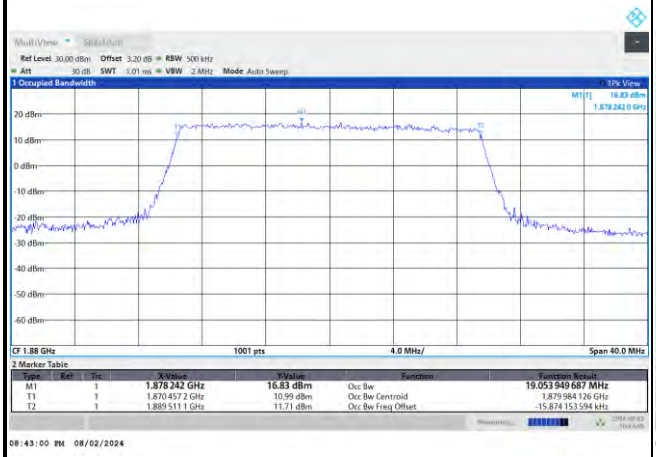
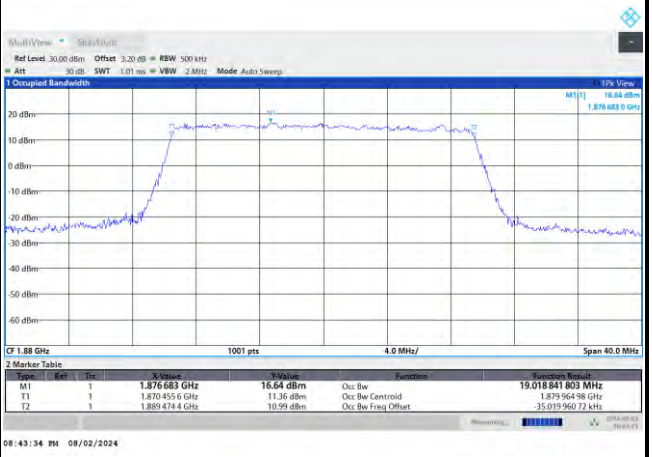
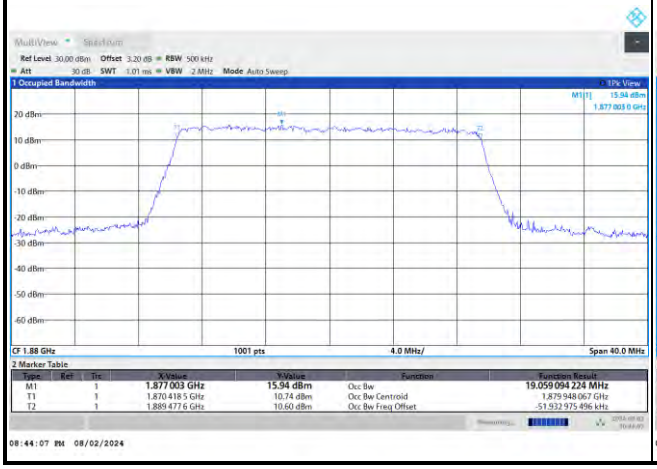
FR1 n2 / 10MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

FR1 n2 / 10MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

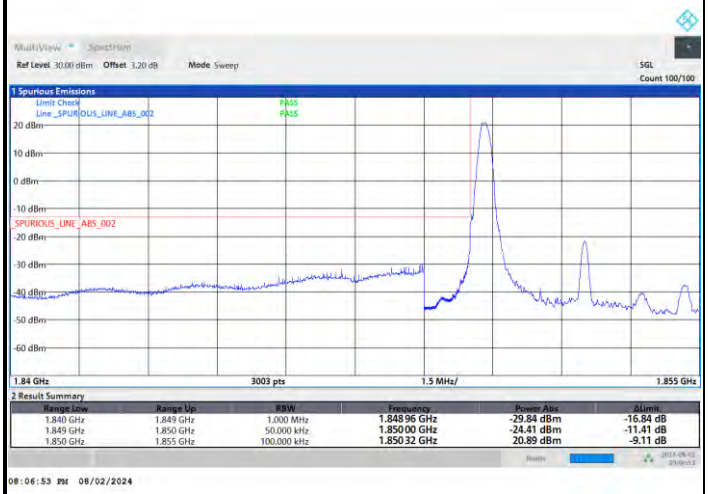
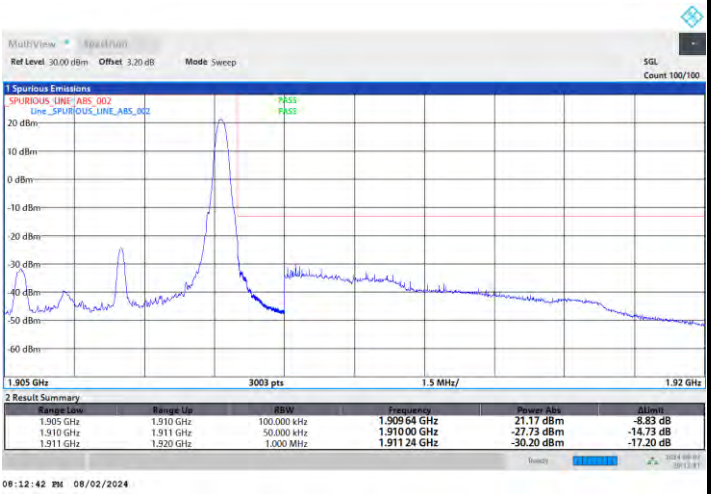
FR1 n2 / 15MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

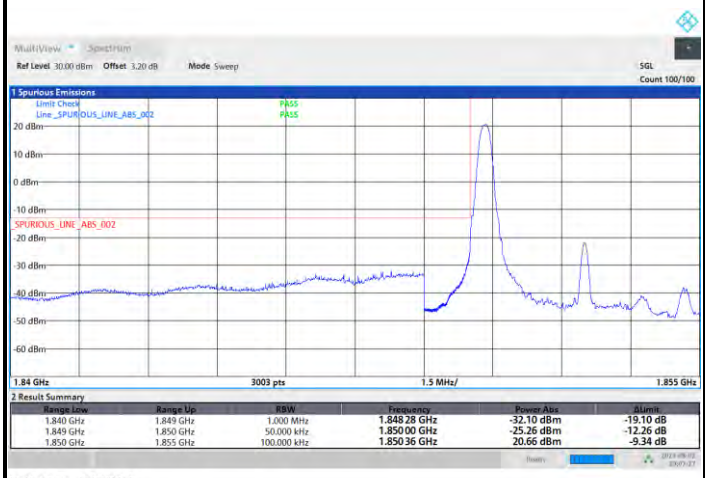
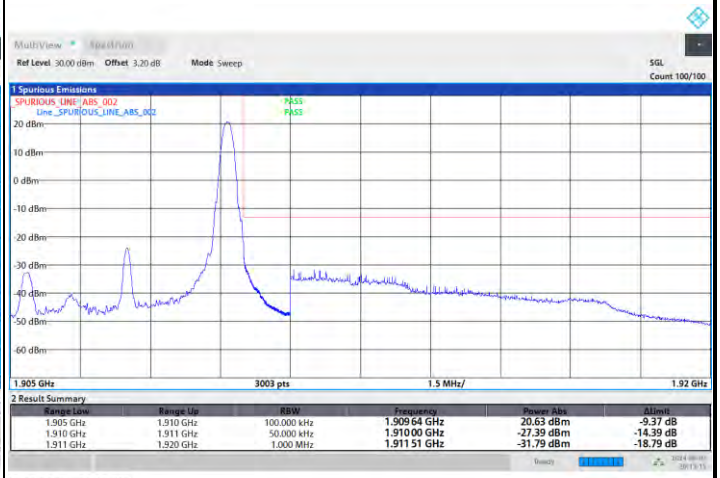
FR1 n2 / 15MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

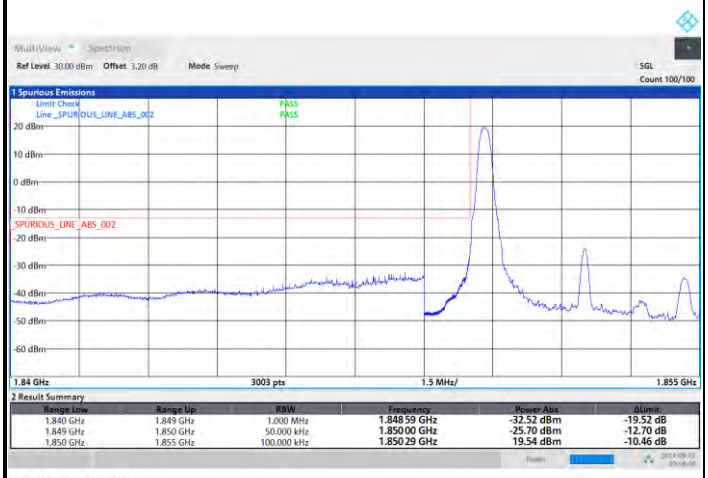
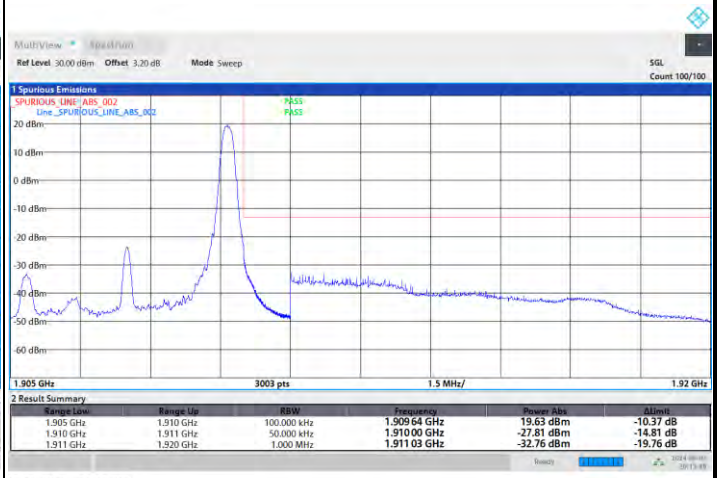
FR1 n2 / 20MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

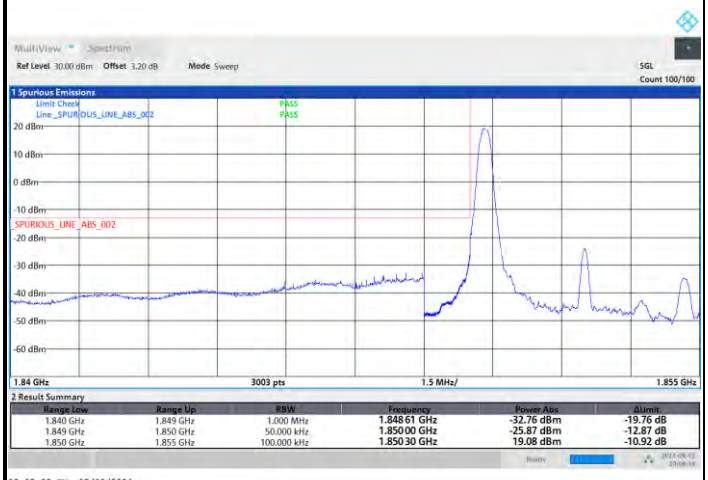
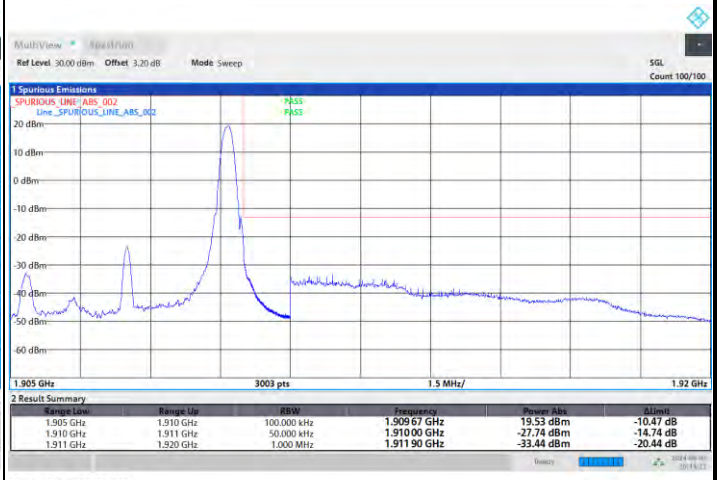
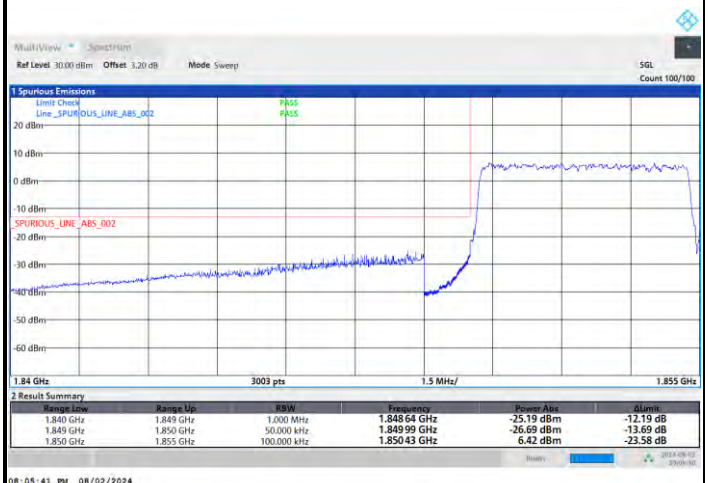
FR1 n2 / 20MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

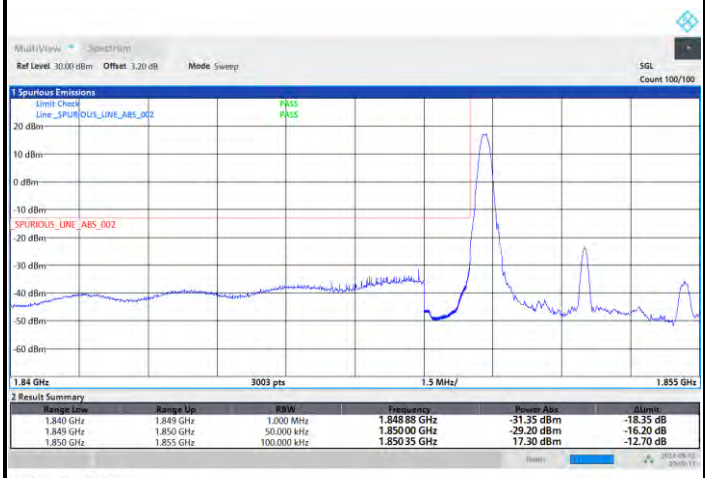
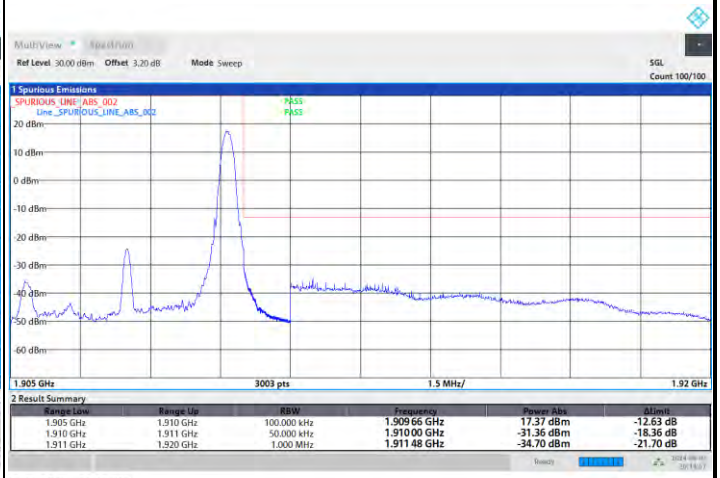
Conducted Band Edge

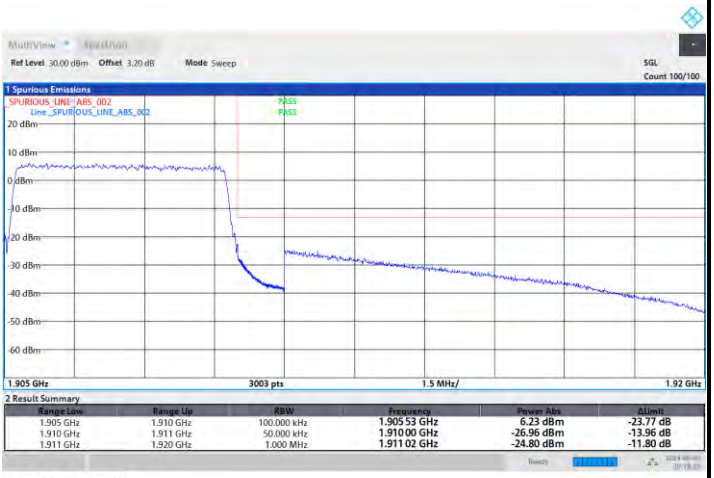
FR1 n2 / 5MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Band Edge / 1RB0	**Highest Band Edge / 1RBmax**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

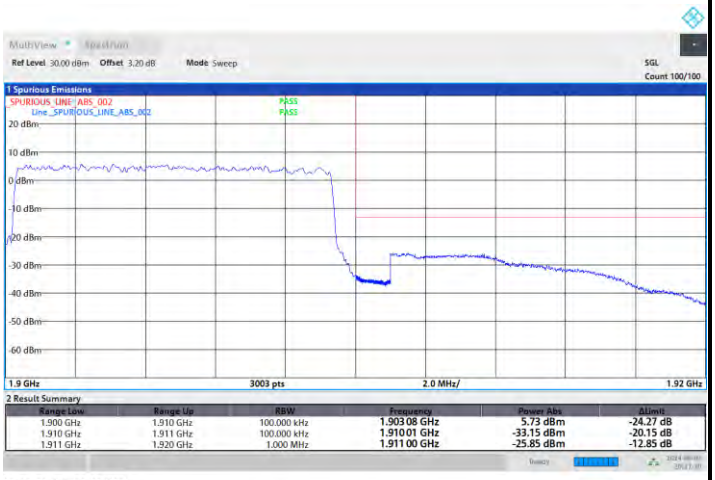
FR1 n2 / 5MHz / DFT-S OFDM / QPSK	
Lowest Band Edge / 1RB0	**Highest Band Edge / 1RBmax**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

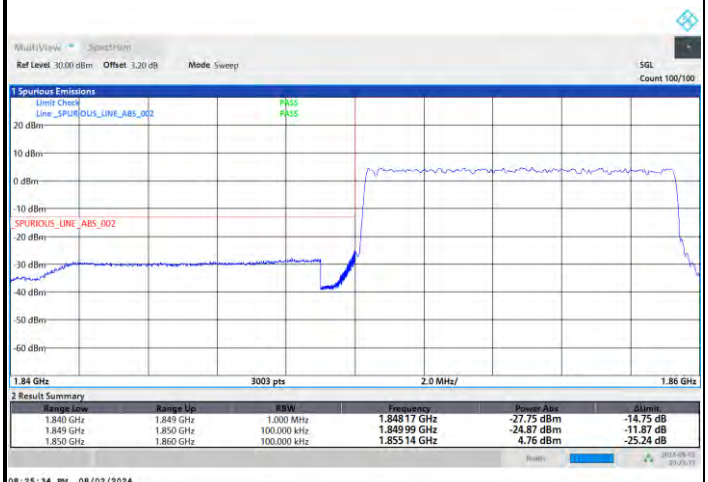
FR1 n2 / 5MHz / DFT-S OFDM / 16QAM	
Lowest Band Edge / 1RB0	**Highest Band Edge / 1RBmax**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

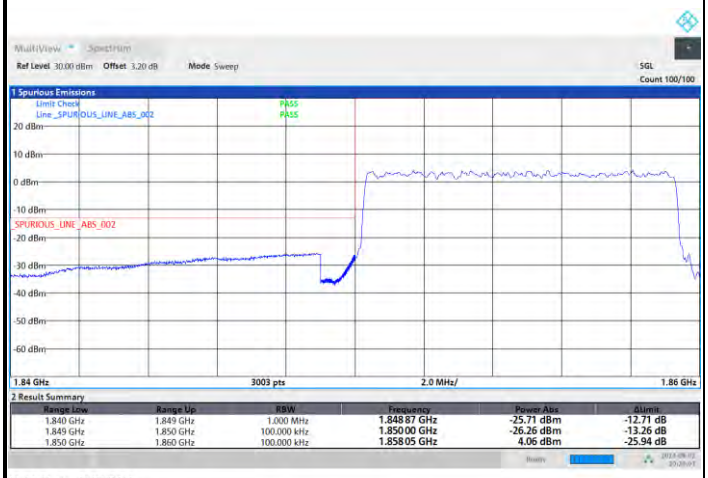
FR1 n2 / 5MHz / DFT-S OFDM / 64QAM	
Lowest Band Edge / 1RB0	**Highest Band Edge / 1RBmax**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

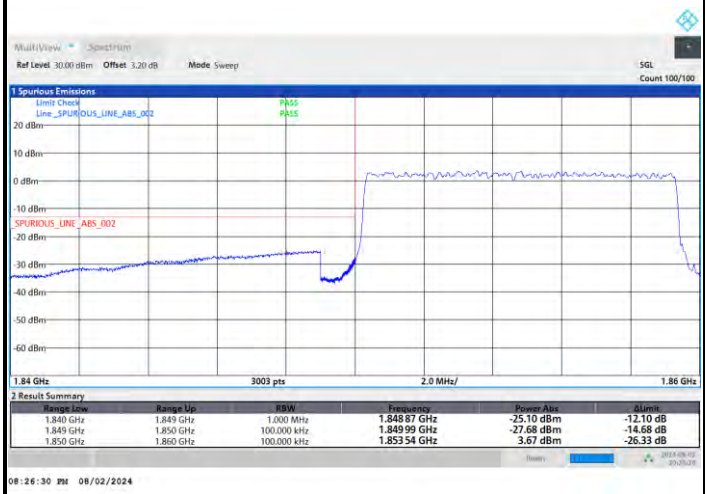
FR1 n2 / 5MHz / DFT-S OFDM / 256QAM	
Lowest Band Edge / 1RB0	**Highest Band Edge / 1RBmax**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

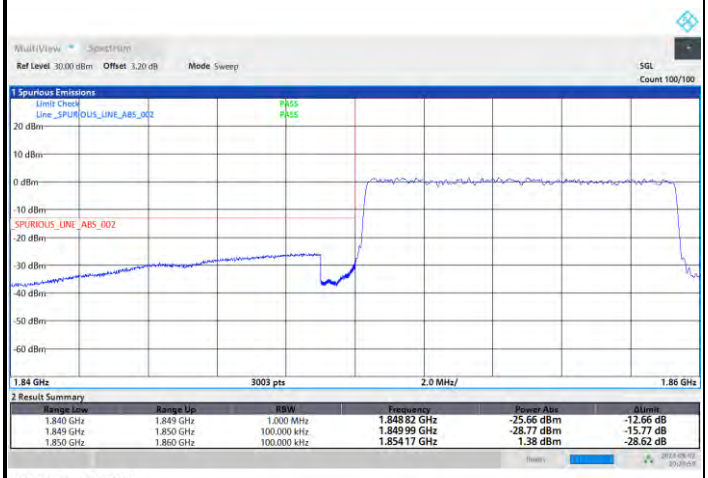
FR1 n2 / 5MHz / CP OFDM / QPSK / Full RB	
Lowest Band Edge	Highest Band Edge
	

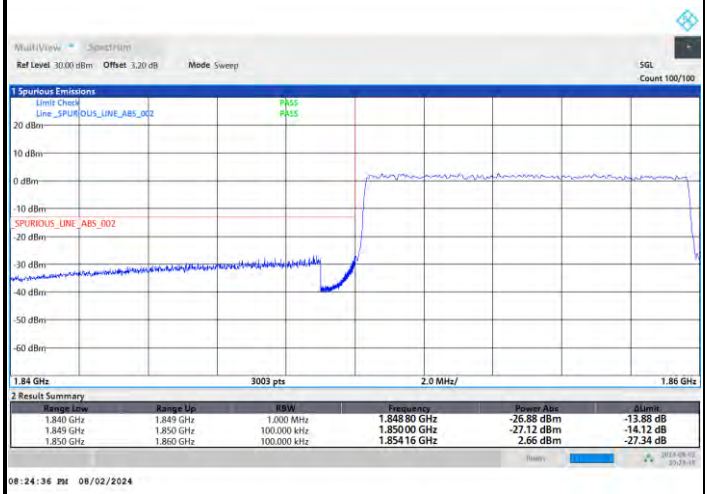
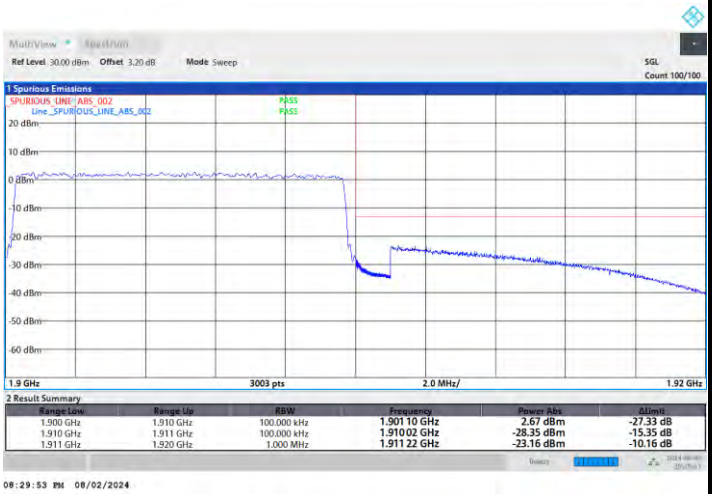
FR1 n2 / 10MHz / DFT-s-OFDM / PI/2 BPSK / Full RB	
Lowest Band Edge	Highest Band Edge
	

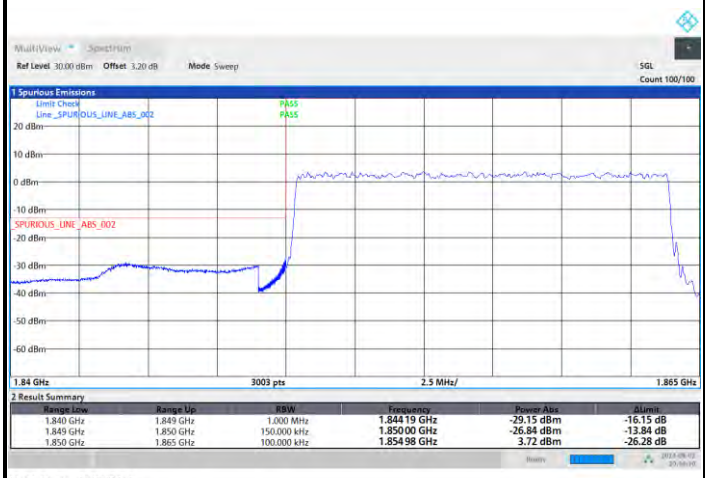
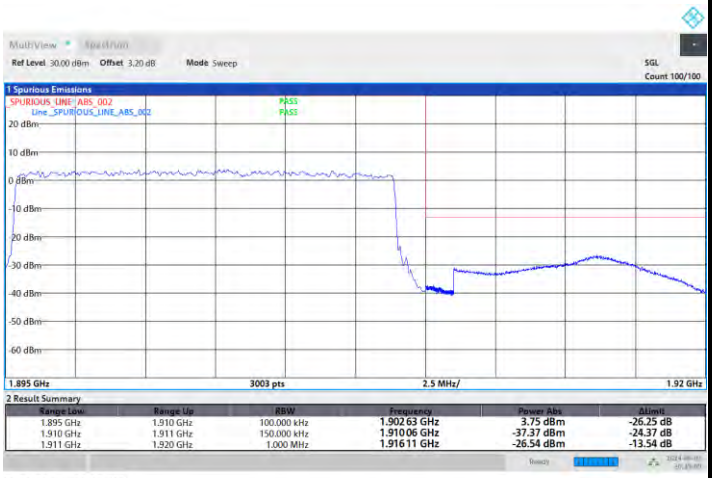
FR1 n2 / 10MHz / DFT-s-OFDM / QPSK / Full RB	
Lowest Band Edge	Highest Band Edge
	

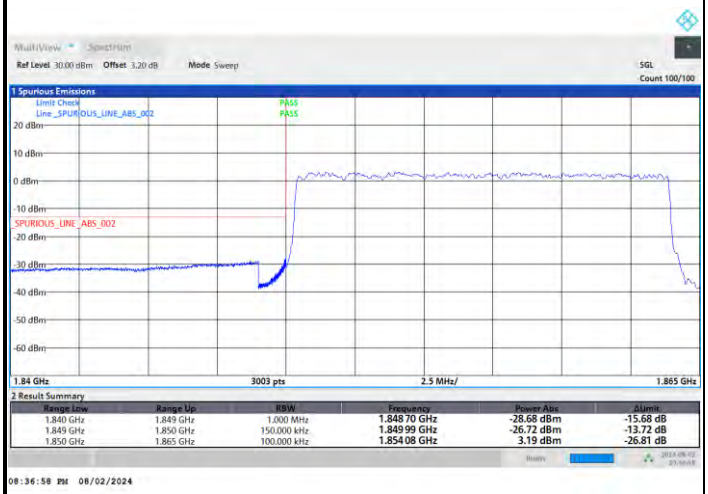
FR1 n2 / 10MHz / DFT-s-OFDM / 16QAM / Full RB	
Lowest Band Edge	Highest Band Edge
	

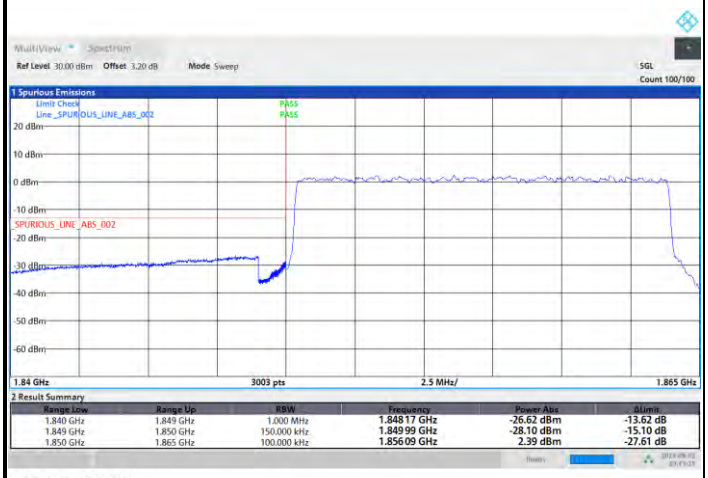
FR1 n2 / 10MHz / DFT-s-OFDM / 64QAM / Full RB	
Lowest Band Edge	Highest Band Edge
	

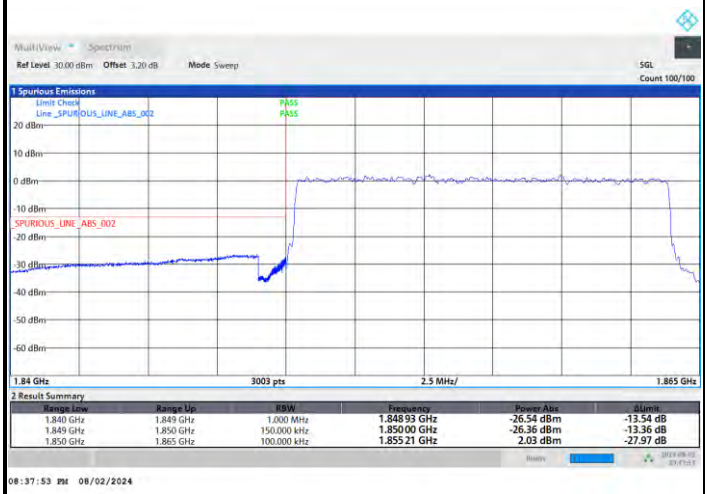
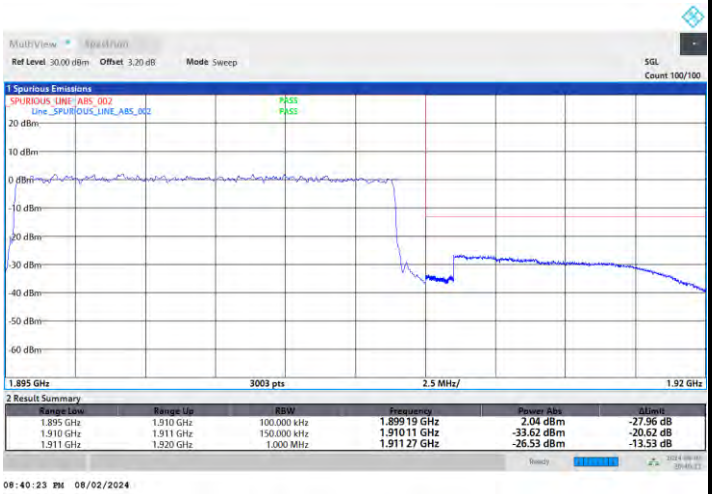
FR1 n2 / 10MHz / DFT-s-OFDM / 256QAM / Full RB	
Lowest Band Edge	Highest Band Edge
	

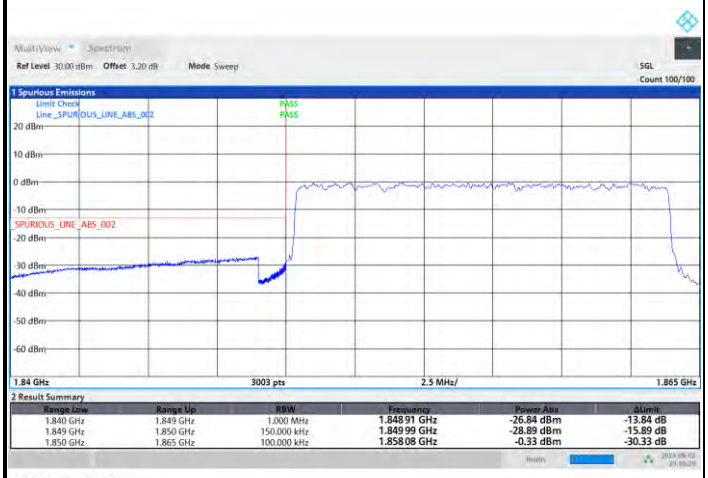
FR1 n2 / 10MHz / CP OFDM / QPSK / Full RB	
Lowest Band Edge	Highest Band Edge
	

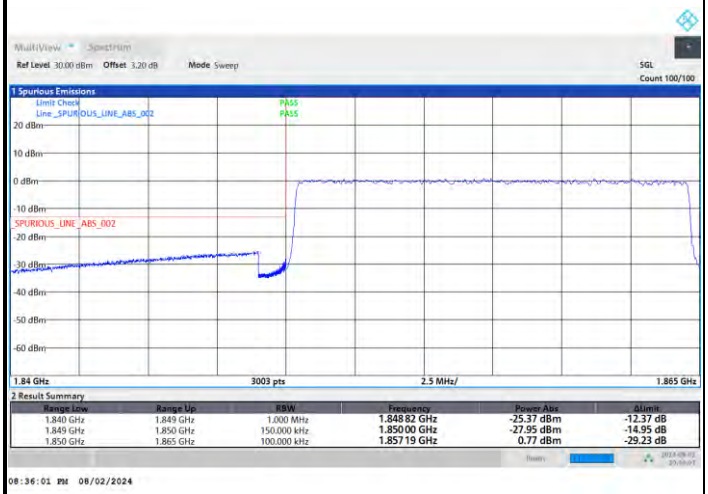
FR1 n2 / 15MHz / DFT-s-OFDM / PI/2 BPSK / Full RB	
Lowest Band Edge	Highest Band Edge
	

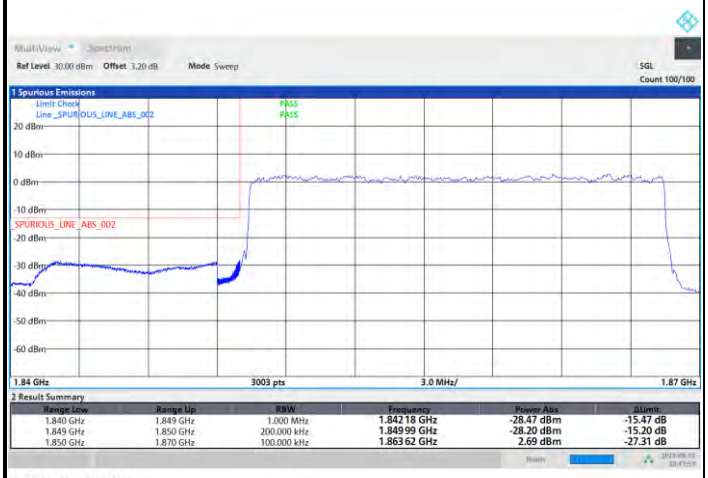
FR1 n2 / 15MHz / DFT-s-OFDM / QPSK / Full RB	
Lowest Band Edge	Highest Band Edge
	

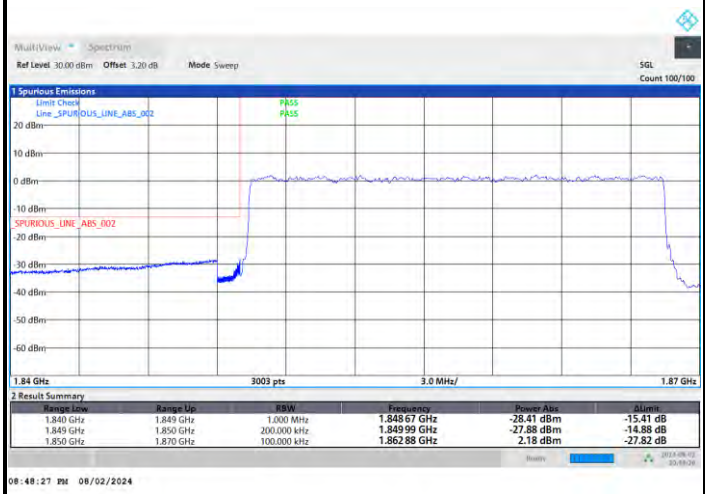
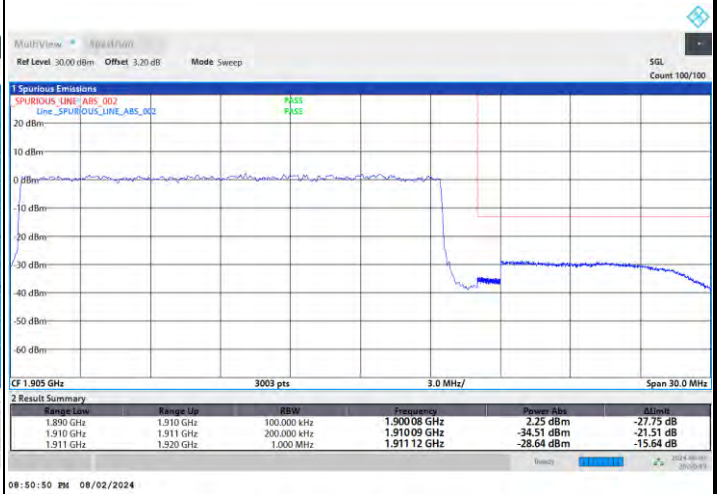
FR1 n2 / 15MHz / DFT-s-OFDM / 16QAM / Full RB	
Lowest Band Edge	Highest Band Edge
	

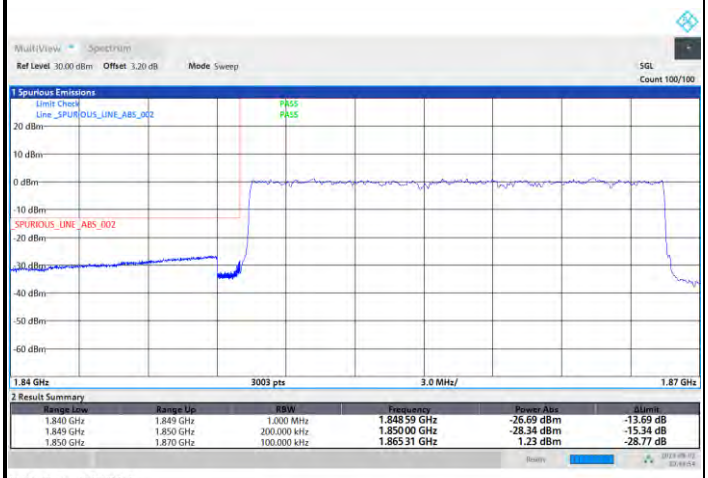
FR1 n2 / 15MHz / DFT-s-OFDM / 64QAM / Full RB	
Lowest Band Edge	Highest Band Edge
	

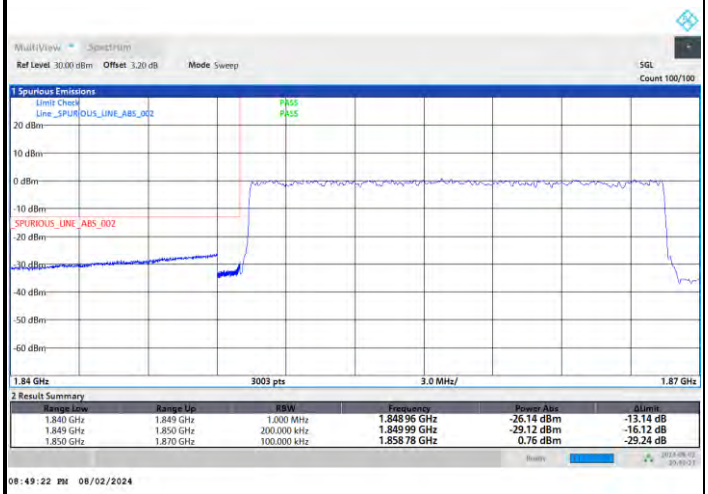
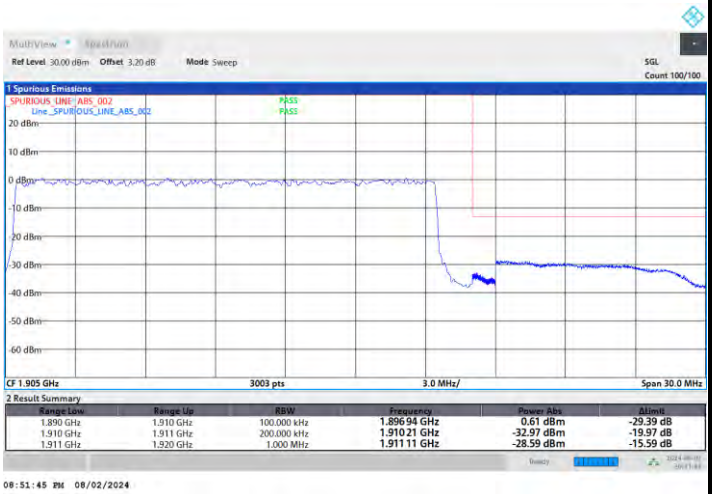
FR1 n2 / 15MHz / DFT-s-OFDM / 256QAM / Full RB	
Lowest Band Edge	Highest Band Edge
	

FR1 n2 / 15MHz / CP OFDM / QPSK / Full RB	
Lowest Band Edge	Highest Band Edge
	

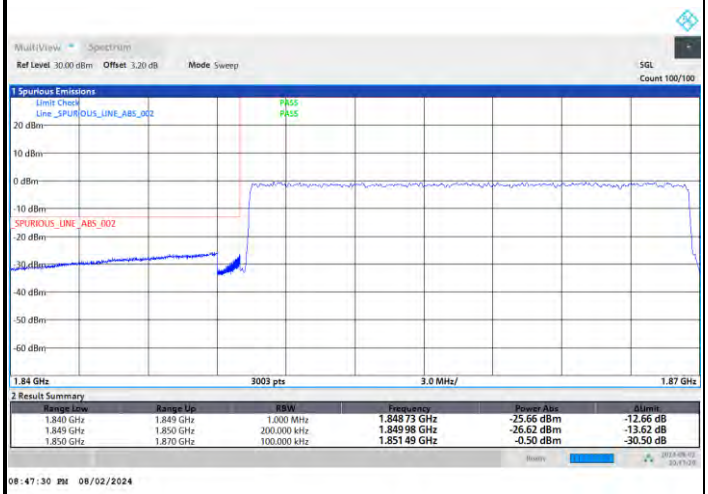
FR1 n2 / 20MHz / DFT-s-OFDM / PI/2 BPSK / Full RB	
Lowest Band Edge	Highest Band Edge
	

FR1 n2 / 20MHz / DFT-s-OFDM / QPSK / Full RB	
Lowest Band Edge	Highest Band Edge
	

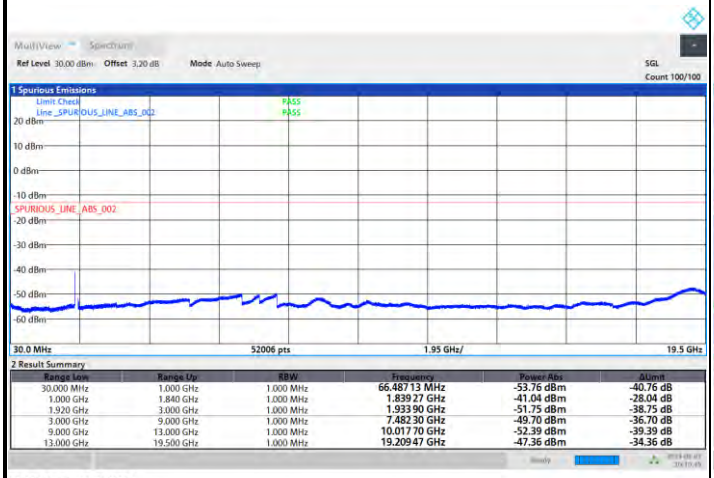
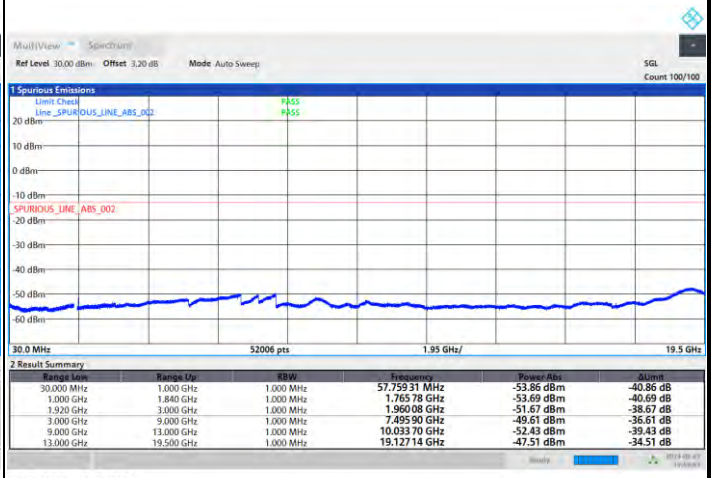
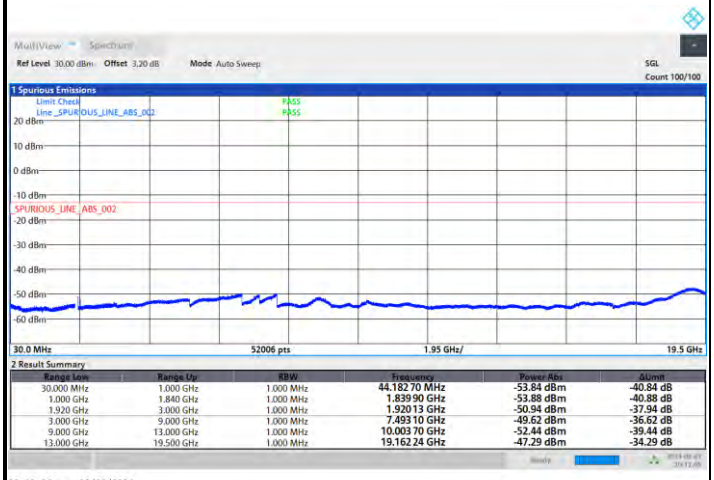
FR1 n2 / 20MHz / DFT-s-OFDM / 16QAM / Full RB	
Lowest Band Edge	Highest Band Edge
	

FR1 n2 / 20MHz / DFT-s-OFDM / 64QAM / Full RB	
Lowest Band Edge	Highest Band Edge
	

FR1 n2 / 20MHz / DFT-s-OFDM / 256QAM / Full RB	
Lowest Band Edge	Highest Band Edge
	

FR1 n2 / 20MHz / CP OFDM / QPSK / Full RB	
Lowest Band Edge	Highest Band Edge
	

Conducted Spurious Emission

FR1 n2 / 5MHz / DFT-S OFDM / QPSK / 1RB1	
Lowest Channel	**Middle Channel**
	
Highest Channel	
	

Frequency Stability

Test Conditions		FR1 n2 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2
		Deviation (ppm)	Result
50	Normal Voltage	0.0048	PASS
40	Normal Voltage	0.0057	
30	Normal Voltage	0.0028	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0000	
0	Normal Voltage	0.0027	
-10	Normal Voltage	0.0032	
-20	Normal Voltage	0.0031	
-30	Normal Voltage	0.0033	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0017	

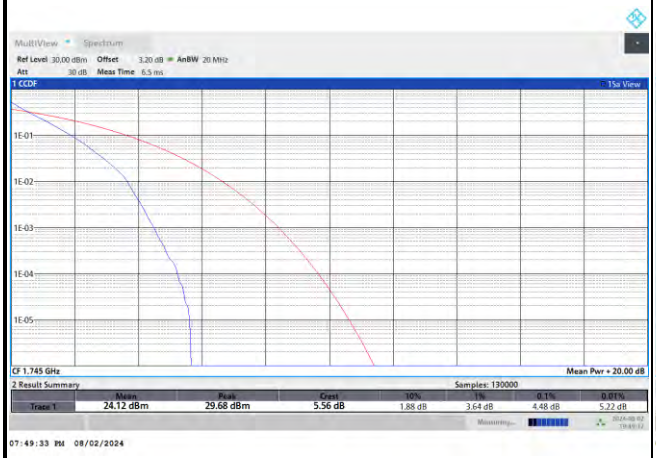
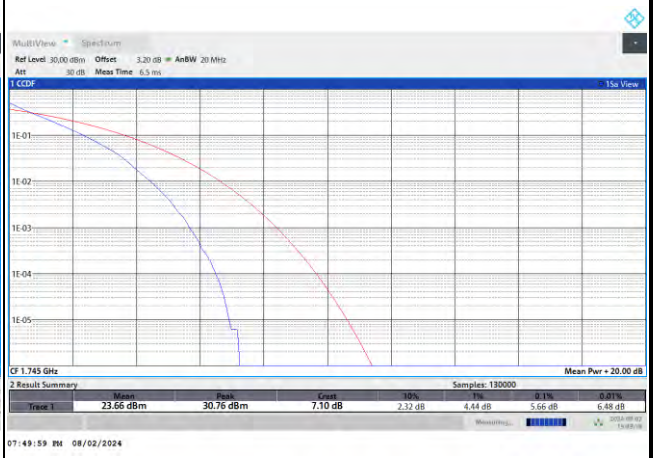
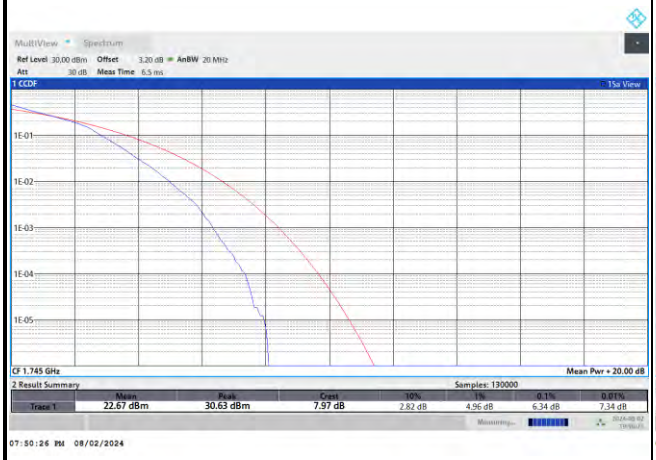
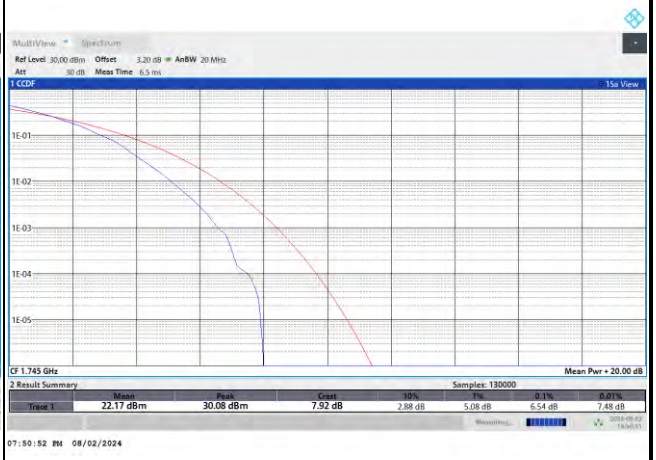
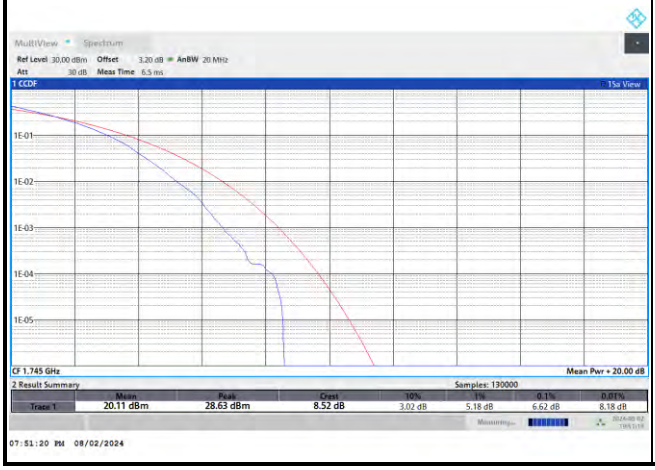
Note:

1. Normal Voltage = 3.9 V.；Battery End Point (BEP) = 3.6 V.；Maximum Voltage = 4.5 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

FR1 n66

Peak-to-Average Ratio

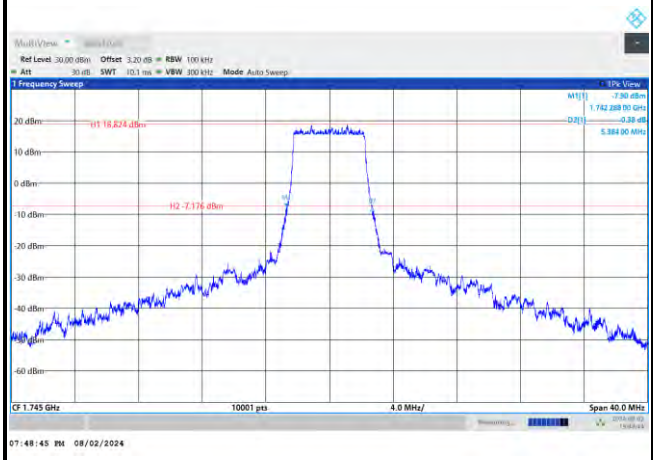
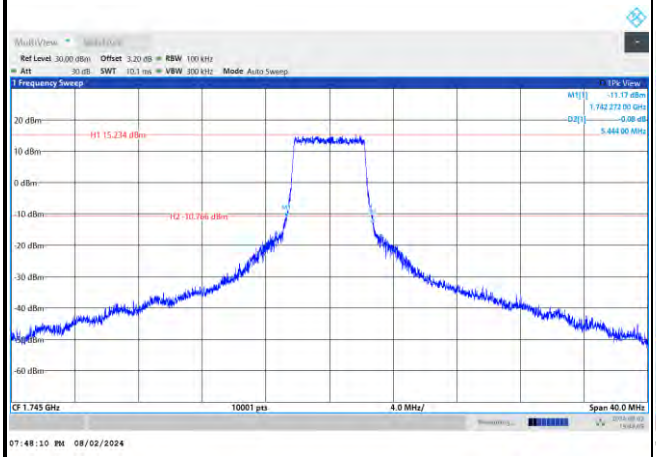
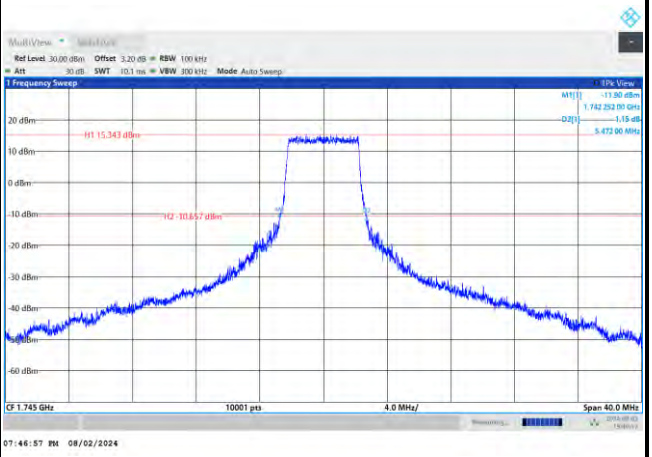
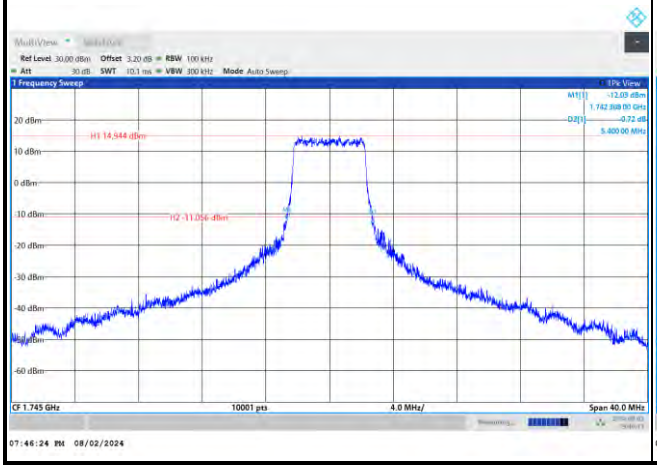
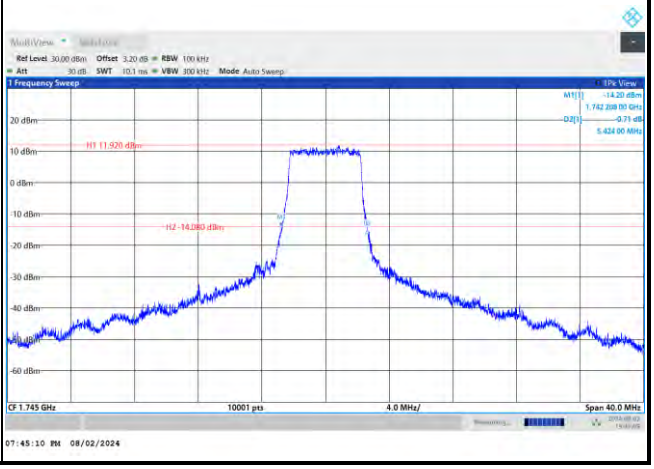
Mode	FR1 n66 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.48	5.66	6.34	6.54	PASS
Mode	FR1 n66 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.62				PASS

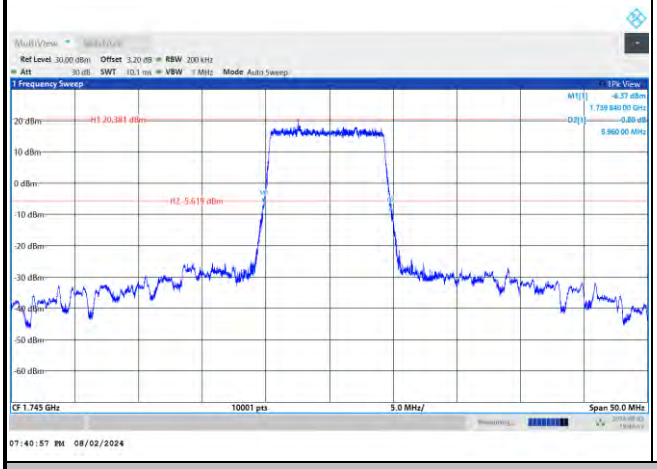
FR1 n66 / 20MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	QPSK
	
16QAM	64QAM
	
256QAM	
	

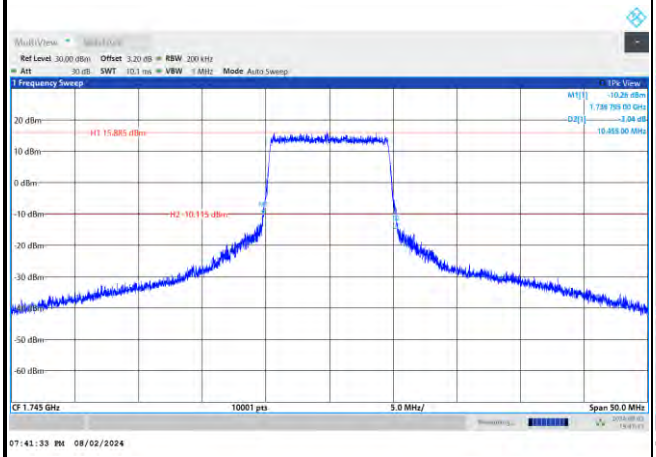
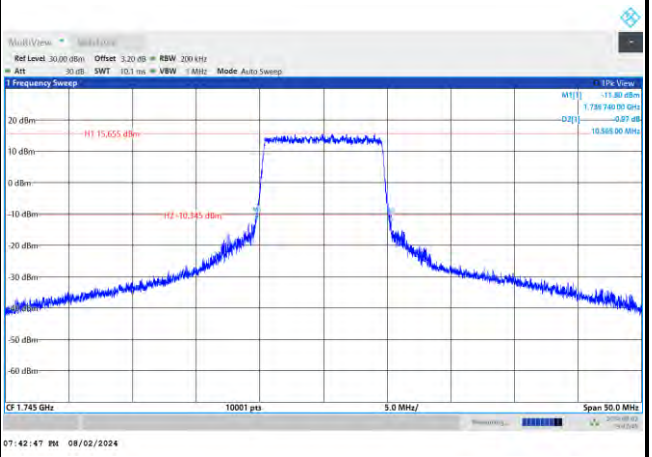
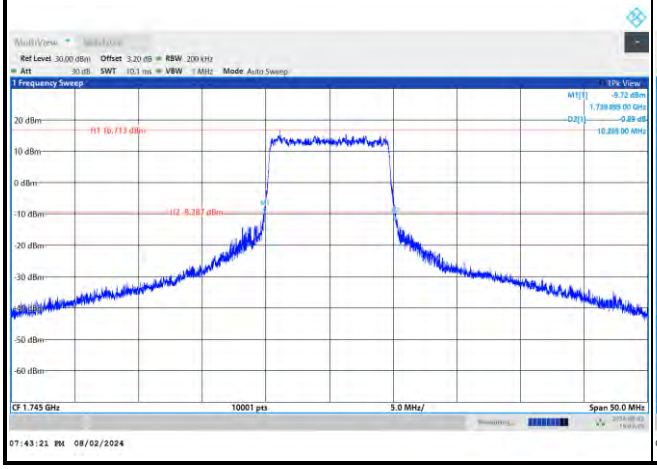
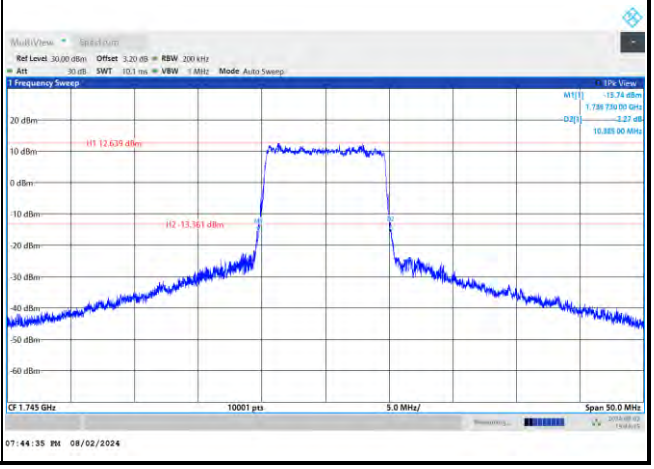
26dB Bandwidth

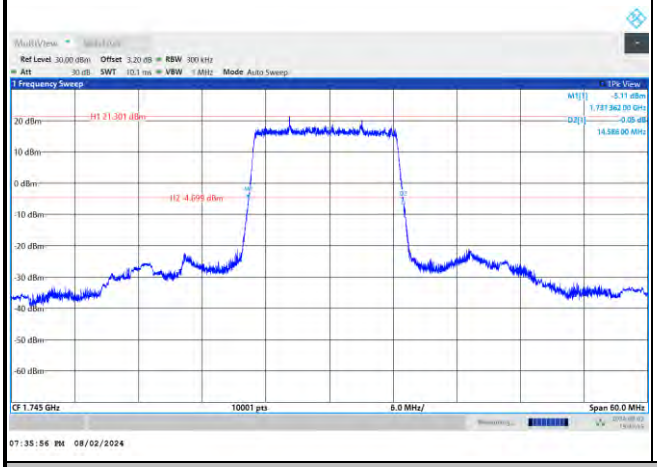
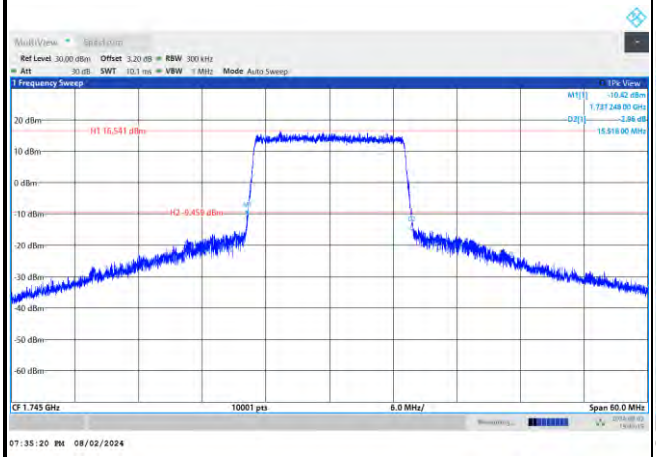
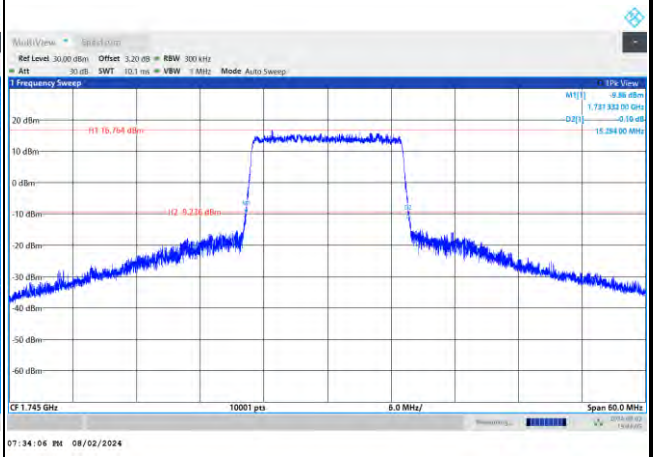
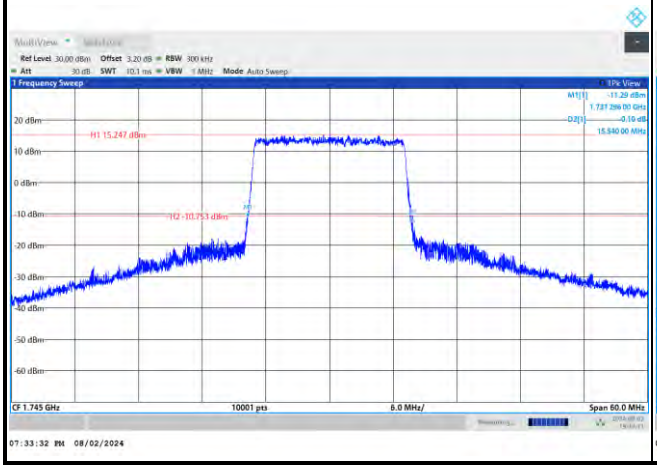
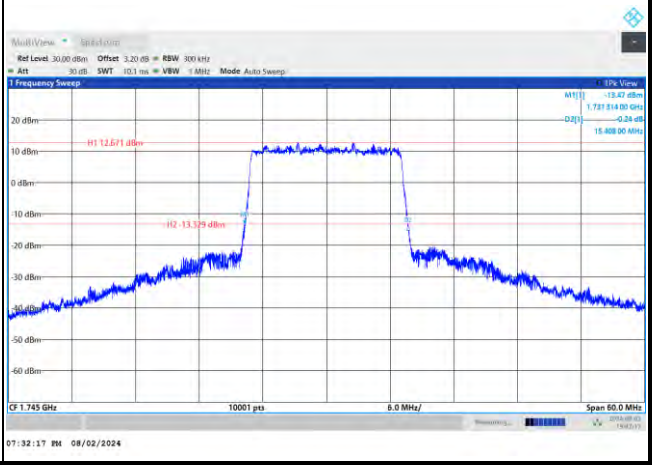
Mode	FR1 n66 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	5.38		9.96		14.58		19.48	
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	25.16		33.21		-		43.56	

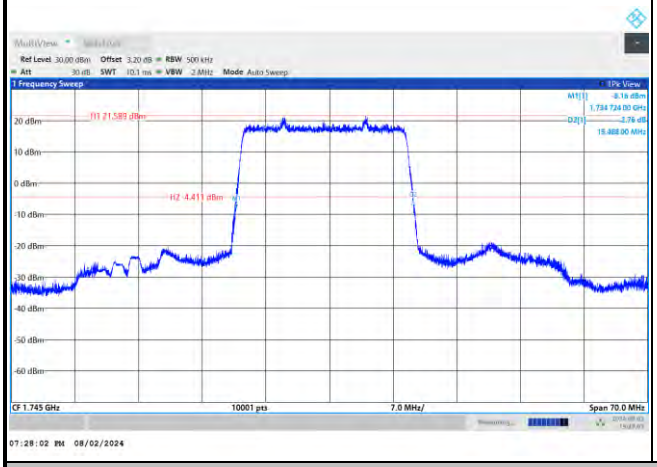
Mode	FR1 n66 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	5.44	5.47	10.45	10.56	15.51	15.29	21.30	21.26
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	5.40	5.42	10.26	10.38	15.53	15.40	21.38	21.60
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	26.21	26.24	33.47	33.40	-	-	43.96	43.74
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	26.41	26.27	33.53	33.35	-	-	44.21	43.28

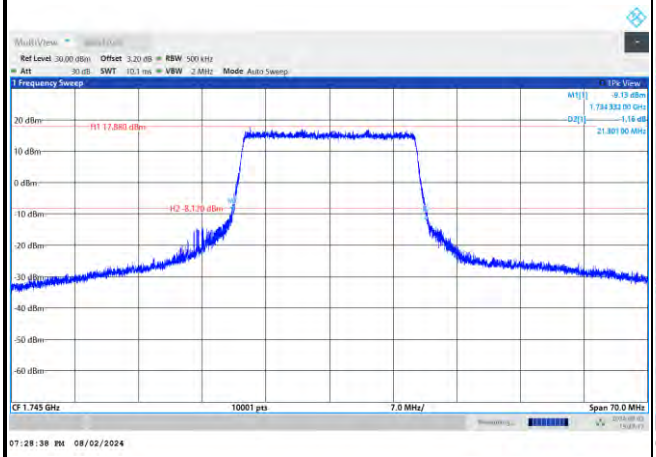
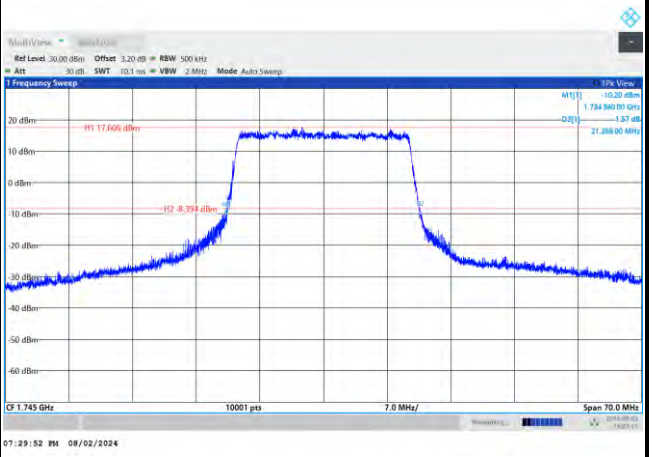
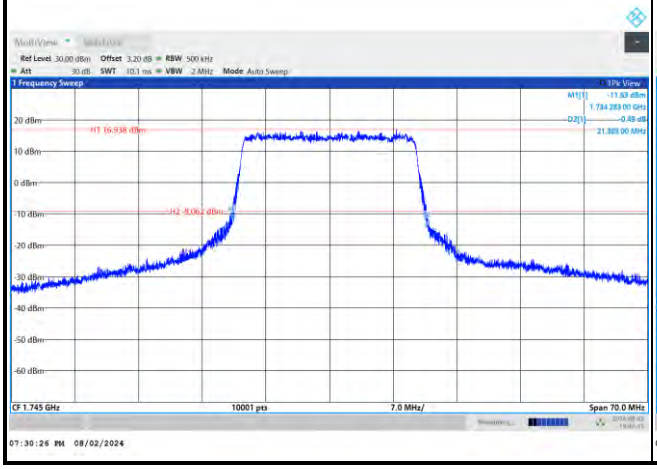
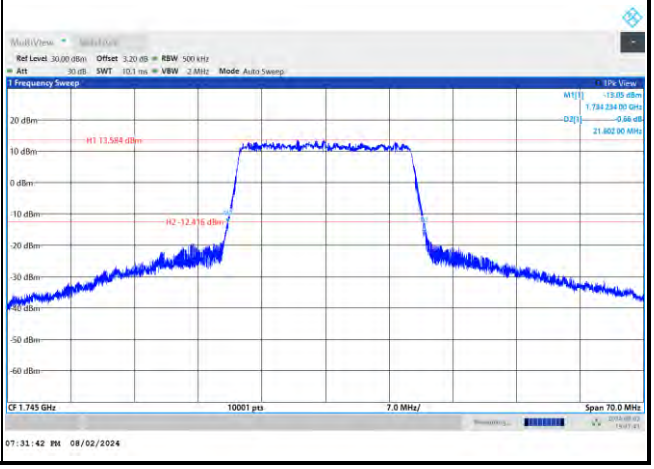
FR1 n66 / 5MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	
FR1 n66 / 5MHz / CP OFDM / Middle Channel / Full RB	
QPSK	**16QAM**
	
64QAM	**256QAM**
	

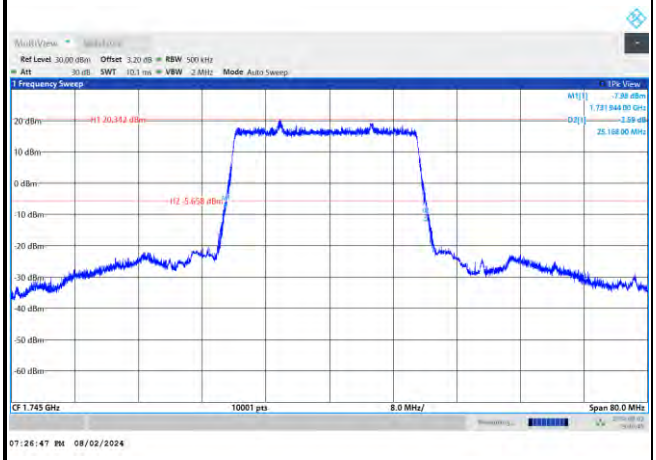
FR1 n66 / 10MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

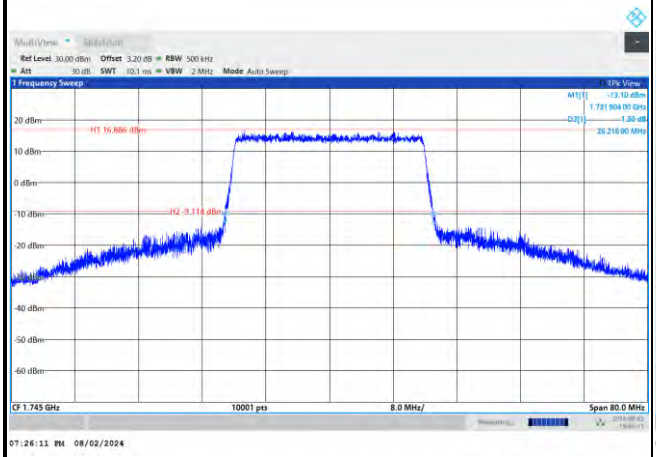
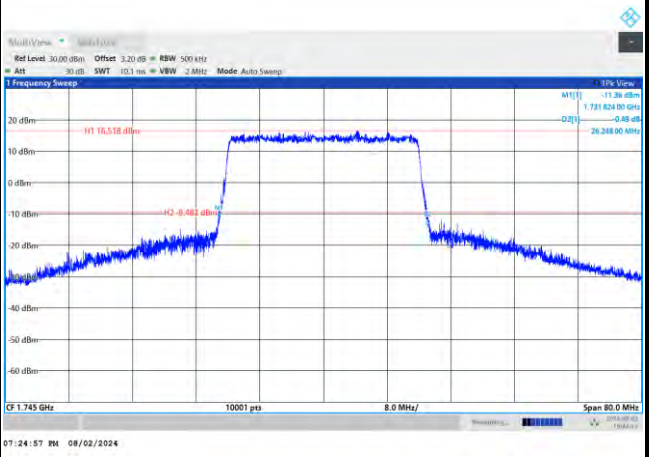
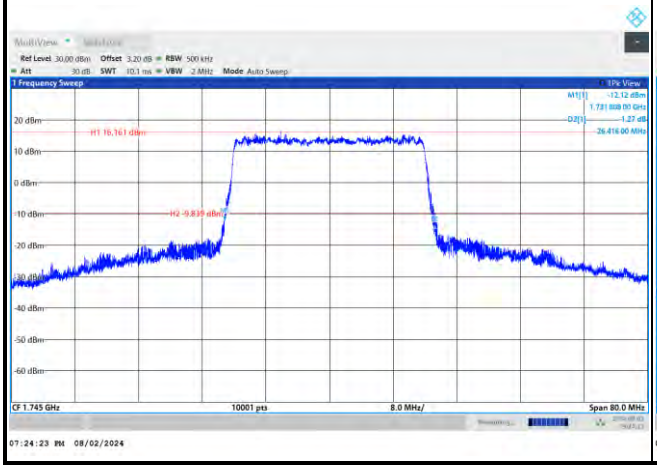
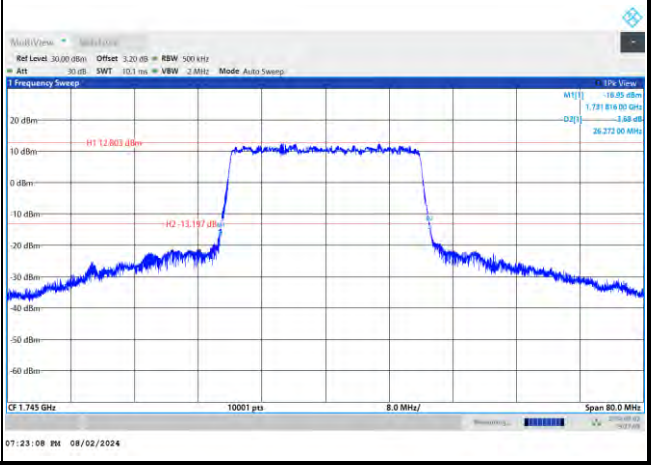
FR1 n66 / 10MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

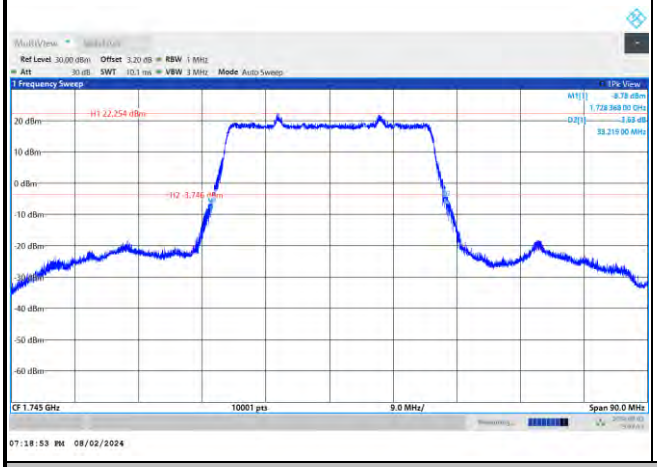
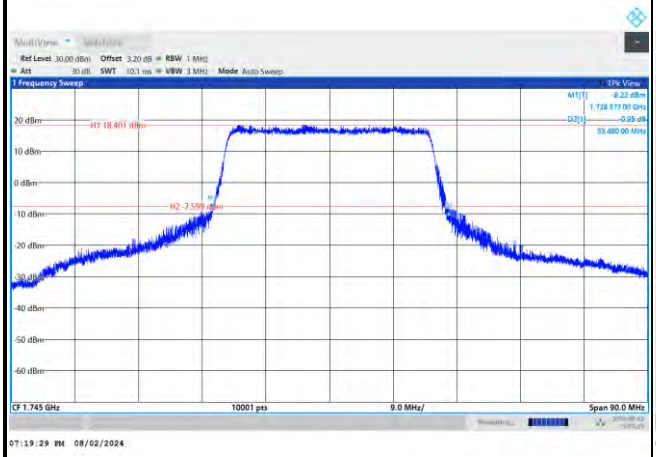
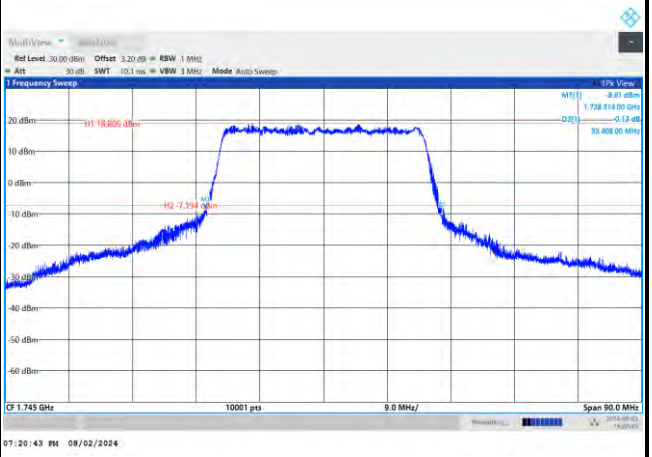
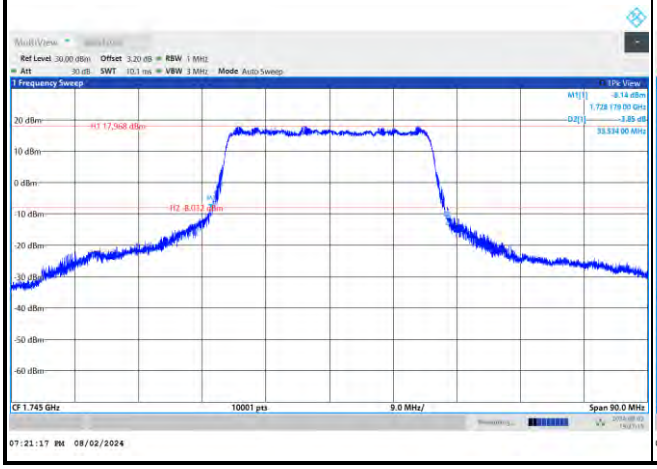
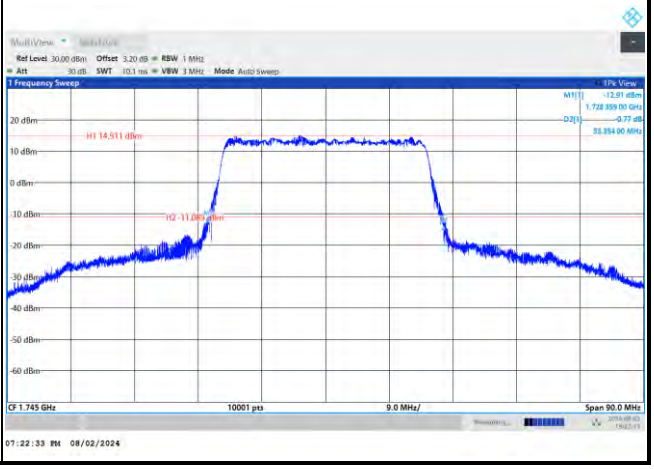
FR1 n66 / 15MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	
FR1 n66 / 15MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

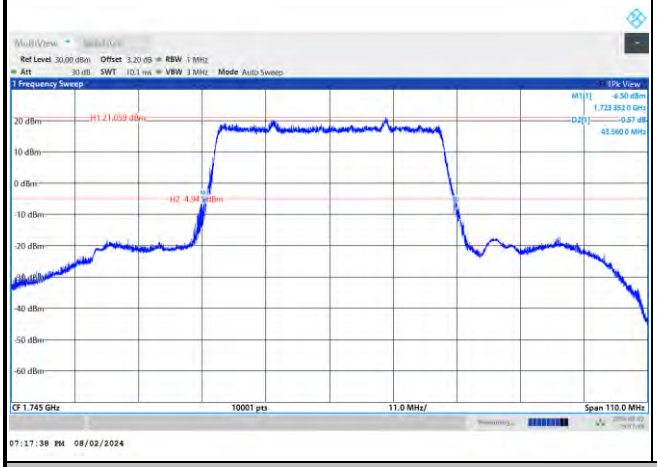
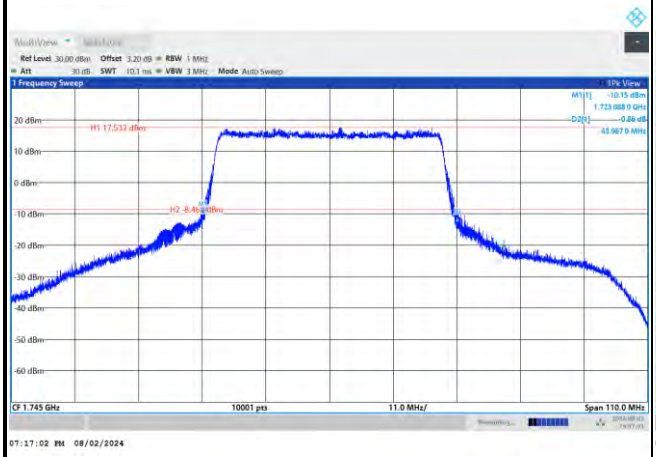
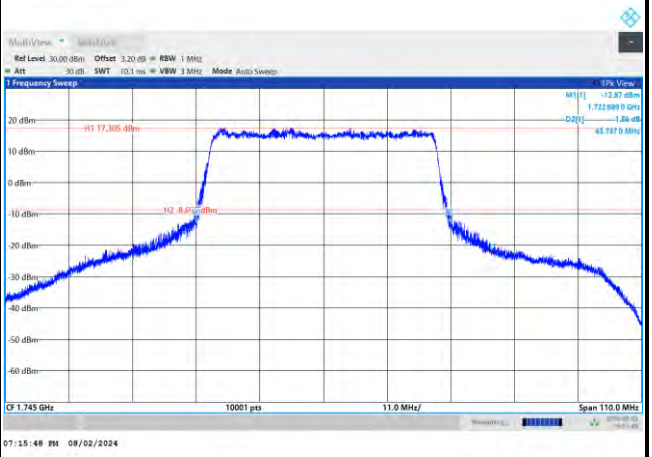
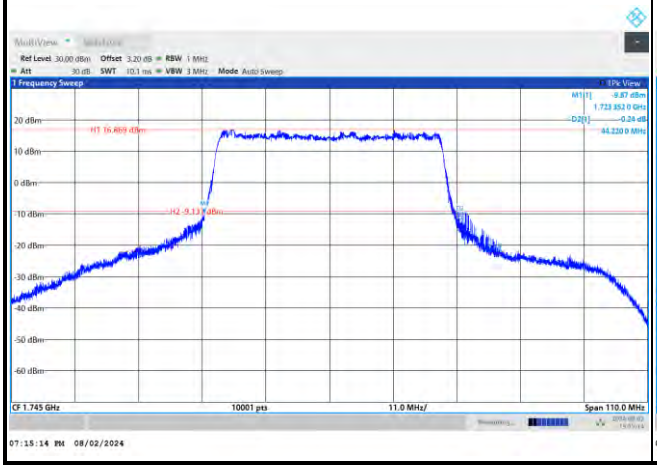
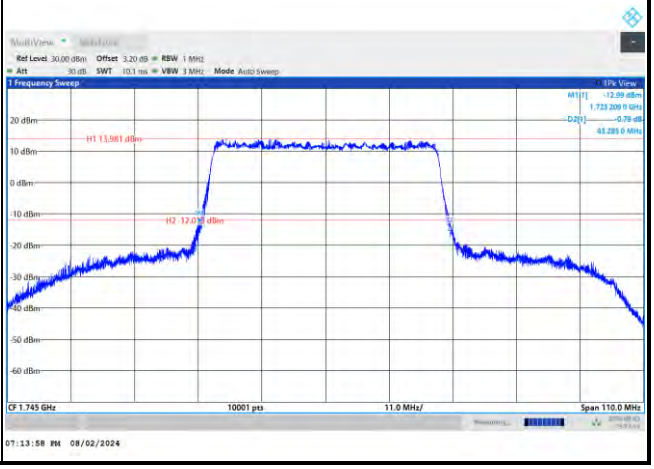
FR1 n66 / 20MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

FR1 n66 / 20MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

FR1 n66 / 25MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

FR1 n66 / 25MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

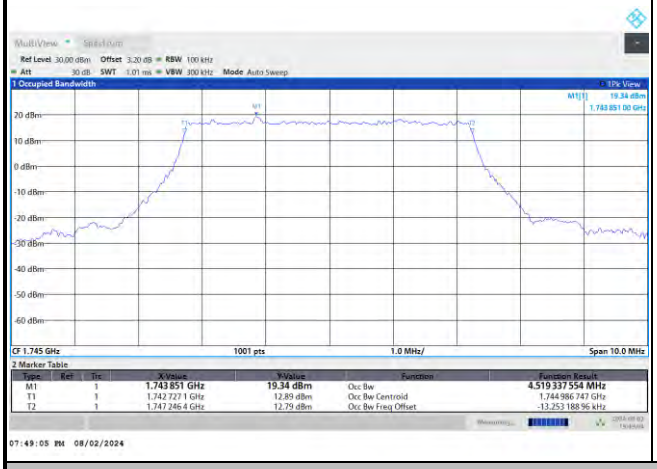
FR1 n66 / 30MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	
FR1 n66 / 30MHz / CP OFDM / Middle Channel / Full RB	
QPSK	**16QAM**
	
64QAM	**256QAM**
	

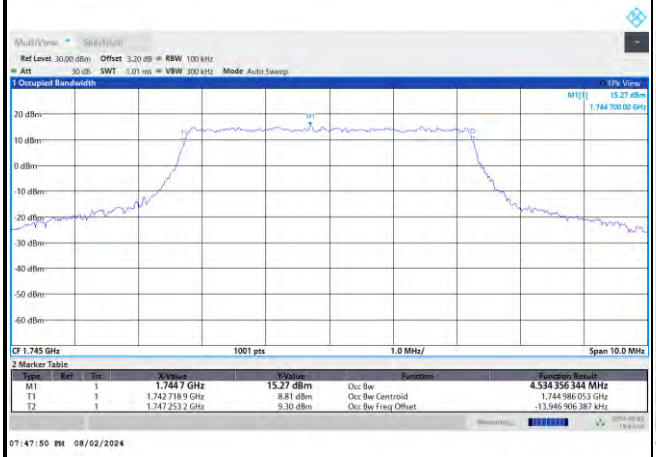
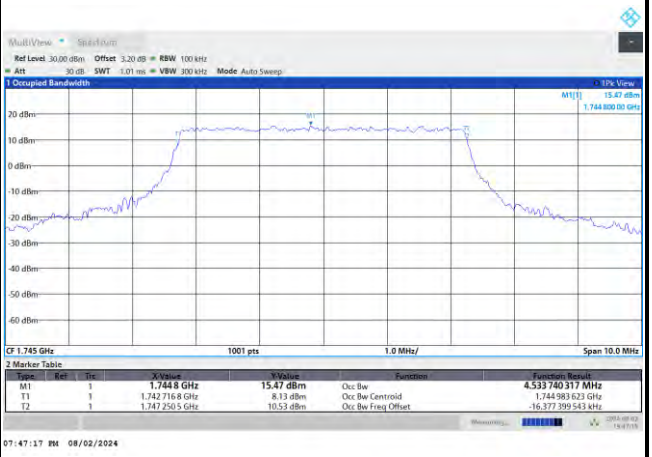
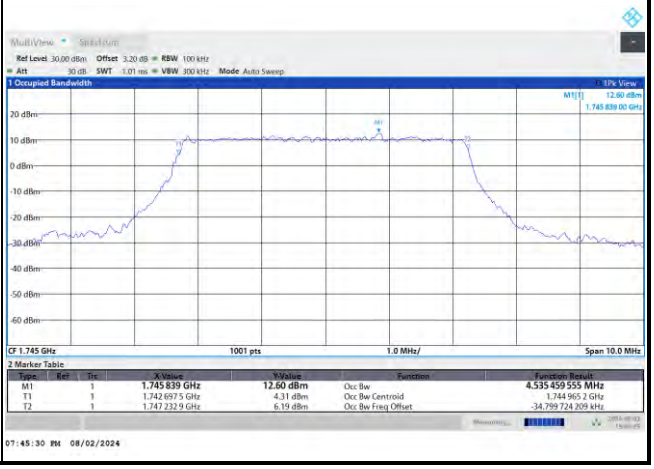
FR1 n66 / 40MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	
FR1 n66 / 40MHz / CP OFDM / Middle Channel / Full RB	
QPSK	**16QAM**
	
64QAM	**256QAM**
	

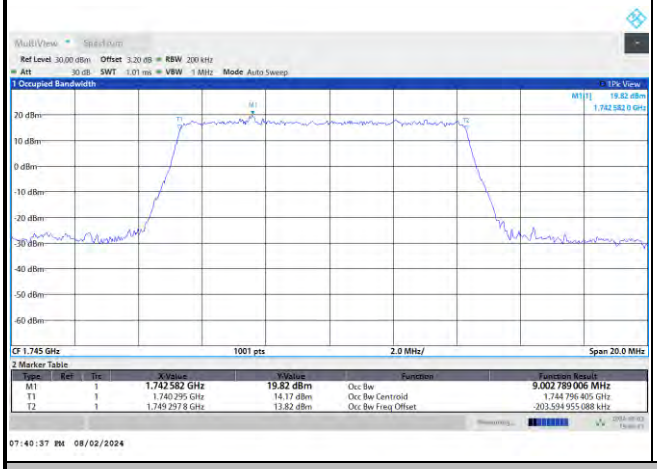
Occupied Bandwidth

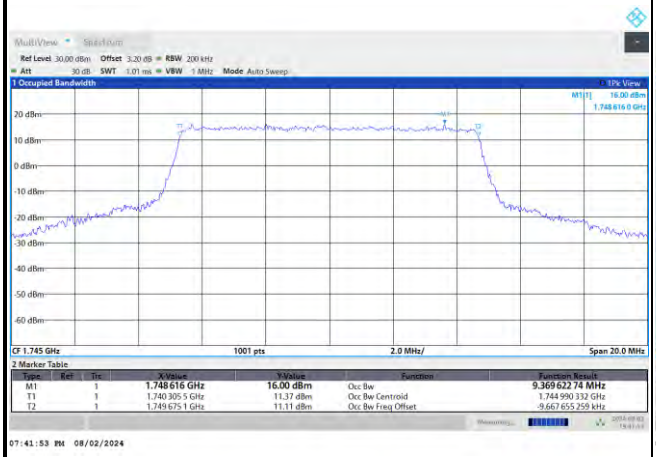
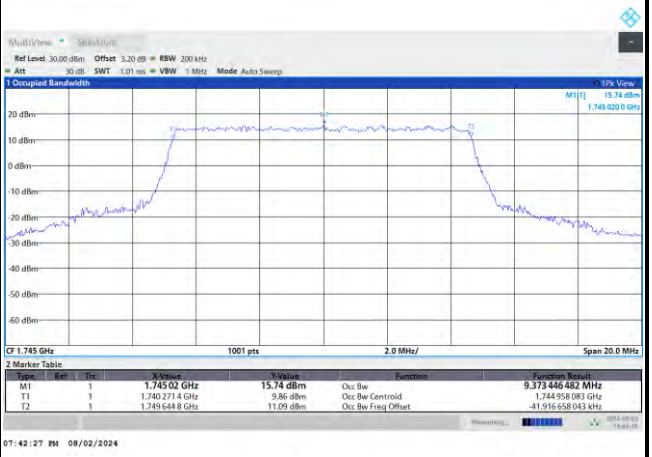
Mode	FR1 n66 : 99%OBW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.51		9.00		13.48		17.98	
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	23.03		29.17		-		39.08	

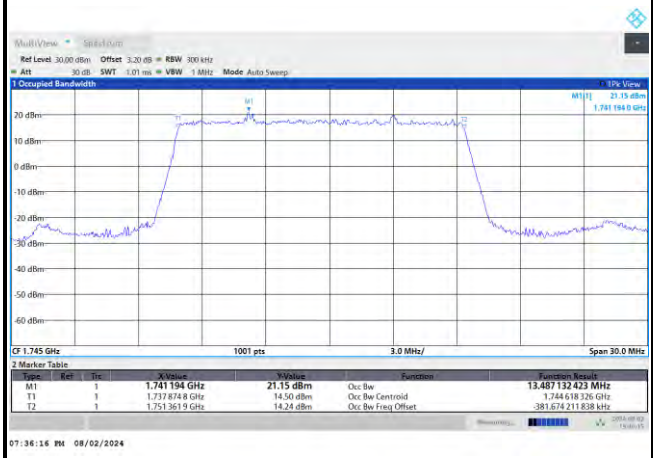
Mode	FR1 n66 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.53	4.53	9.36	9.37	14.18	14.17	19.09	19.10
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.52	4.53	9.36	9.39	14.19	14.16	19.09	19.19
BW	25MHz		30MHz		35MHz		40MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	23.86	23.87	29.06	28.97	-	-	38.90	38.86
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	23.89	23.84	29.03	29.00	-	-	38.84	38.93

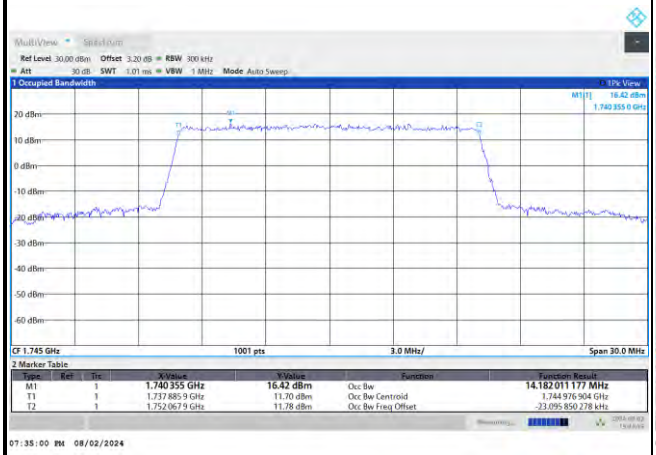
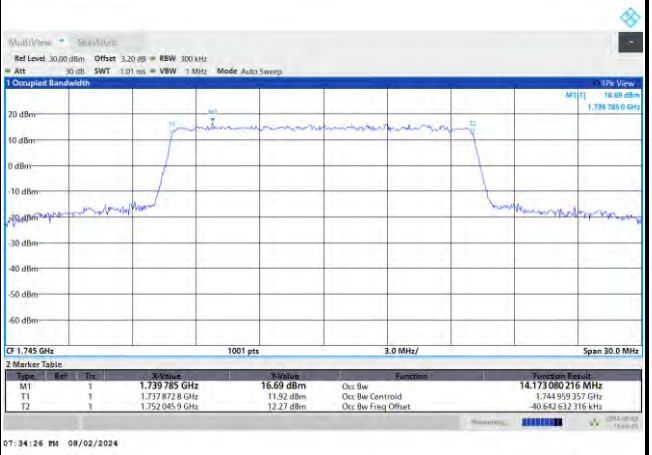
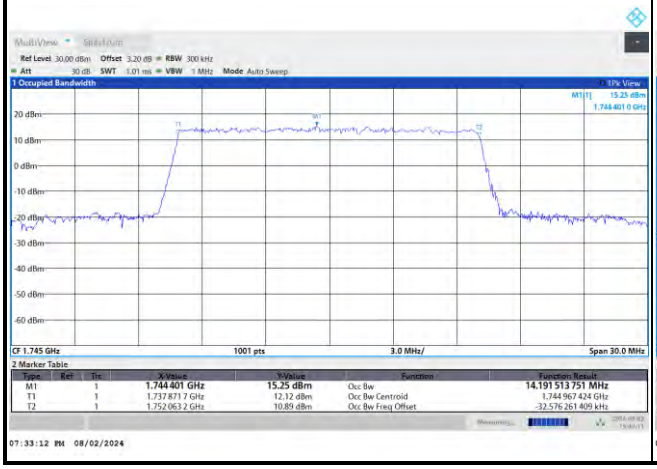
FR1 n66 / 5MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

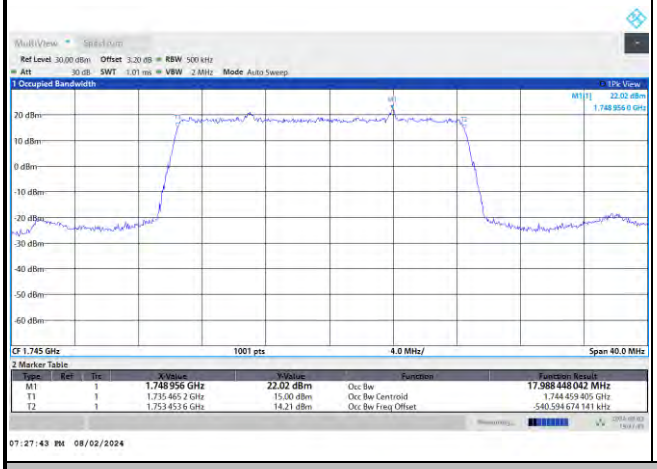
FR1 n66 / 5MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

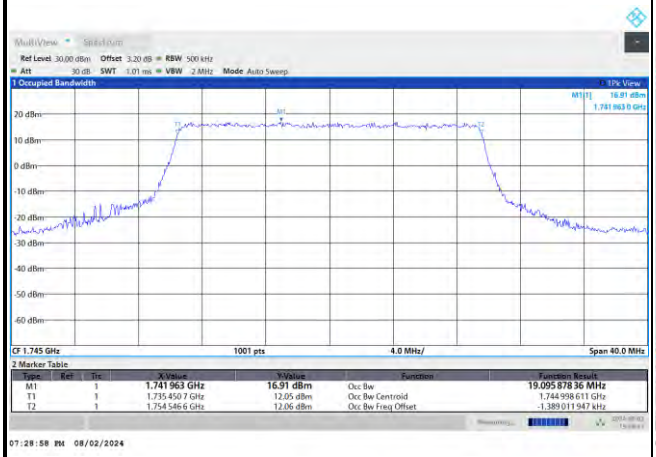
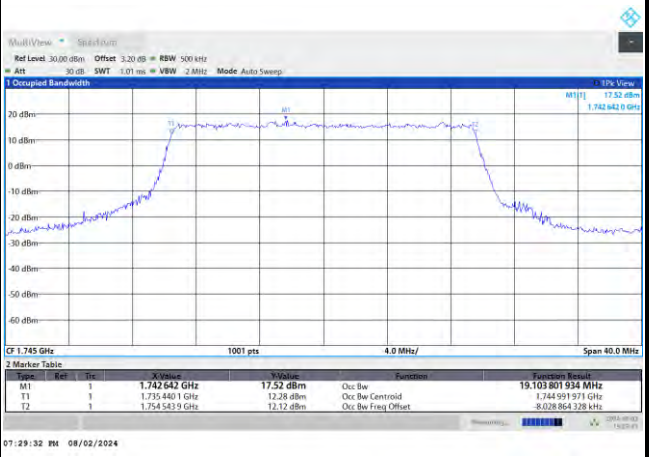
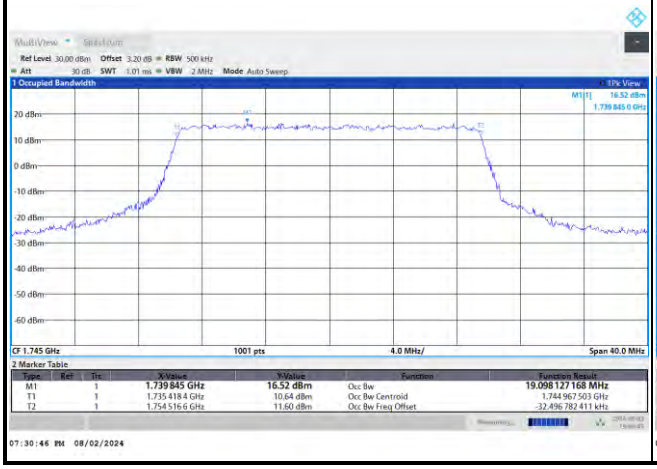
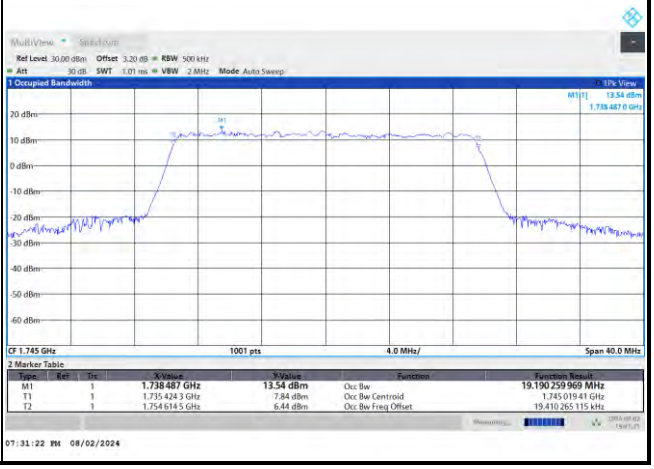
FR1 n66 / 10MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

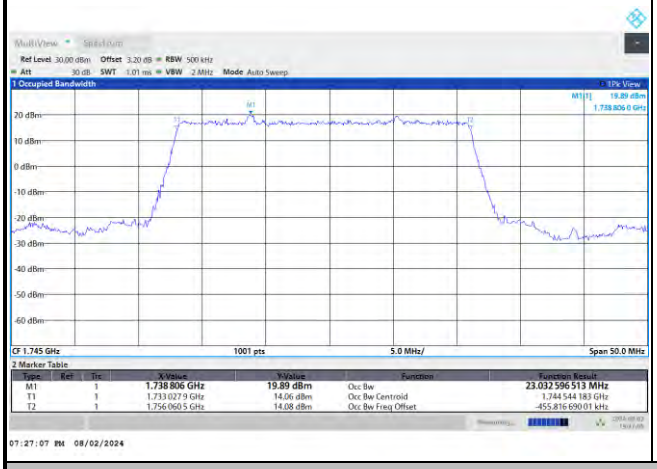
FR1 n66 / 10MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

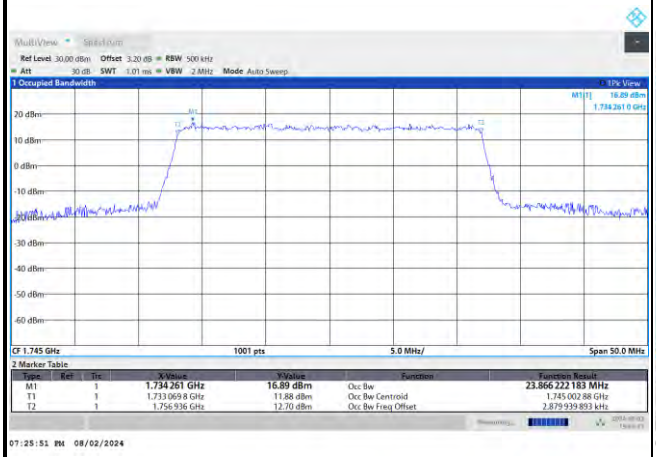
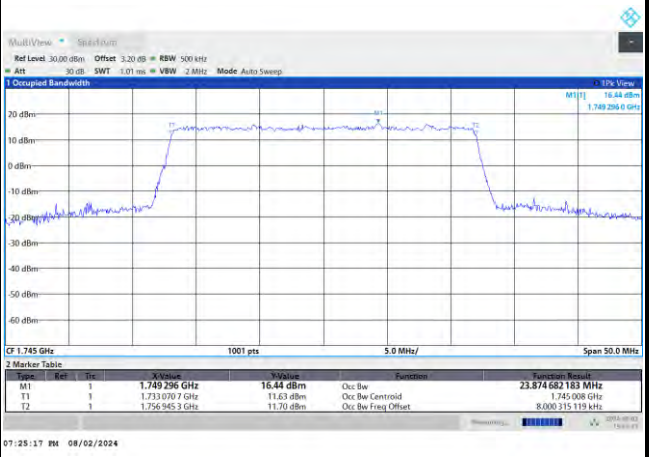
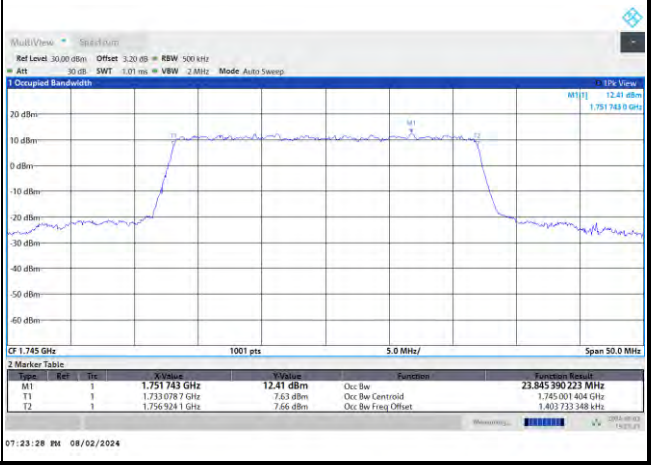
FR1 n66 / 15MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

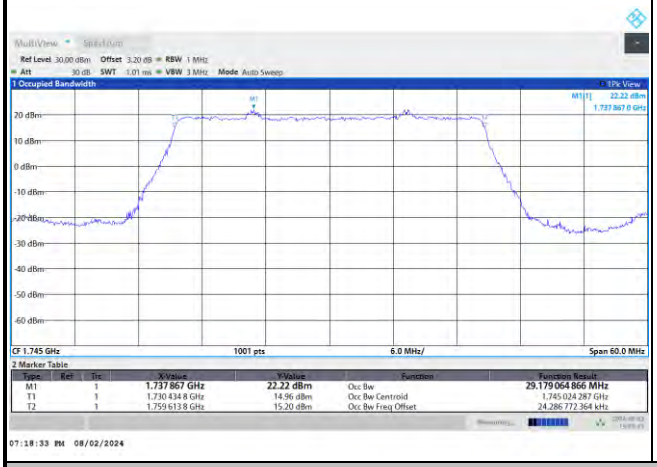
FR1 n66 / 15MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

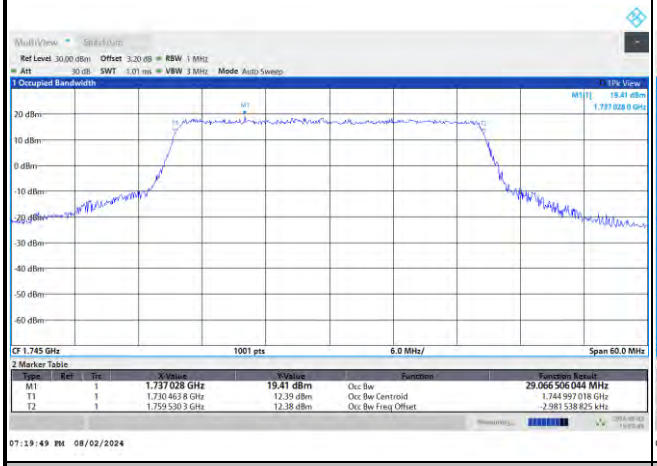
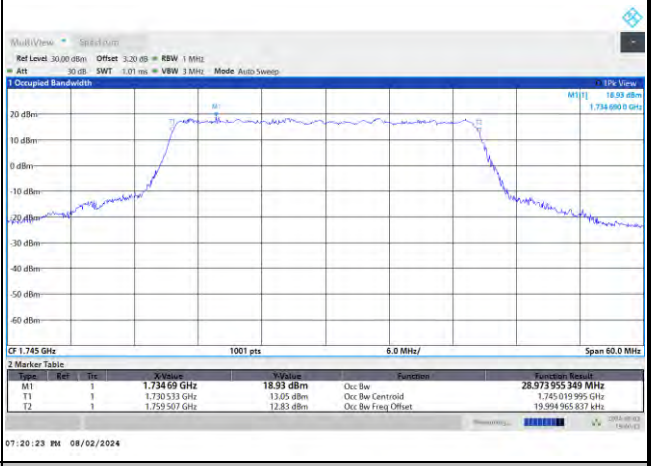
FR1 n66 / 20MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

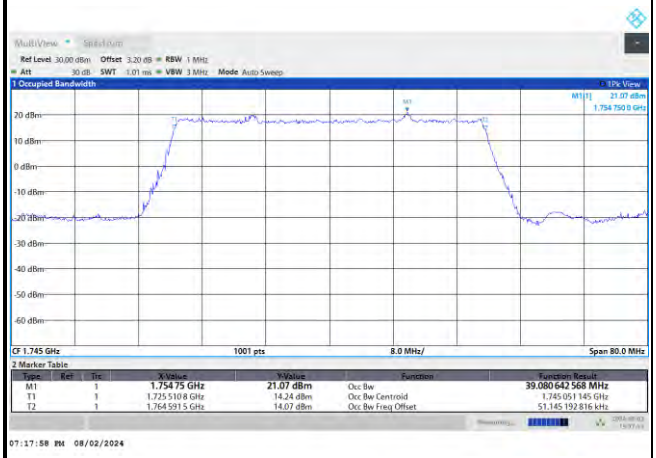
FR1 n66 / 20MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

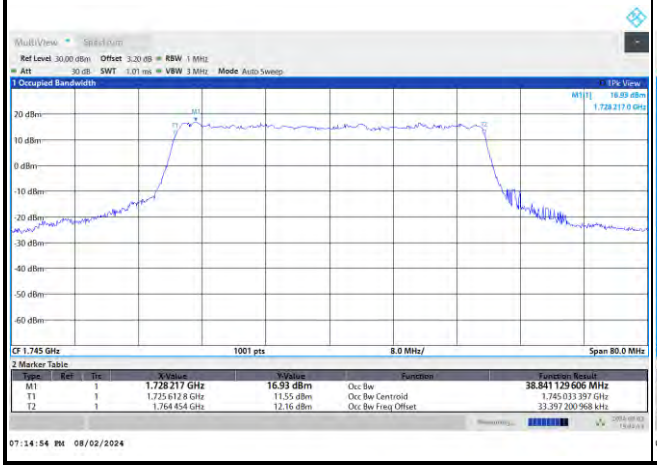
FR1 n66 / 25MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

FR1 n66 / 25MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

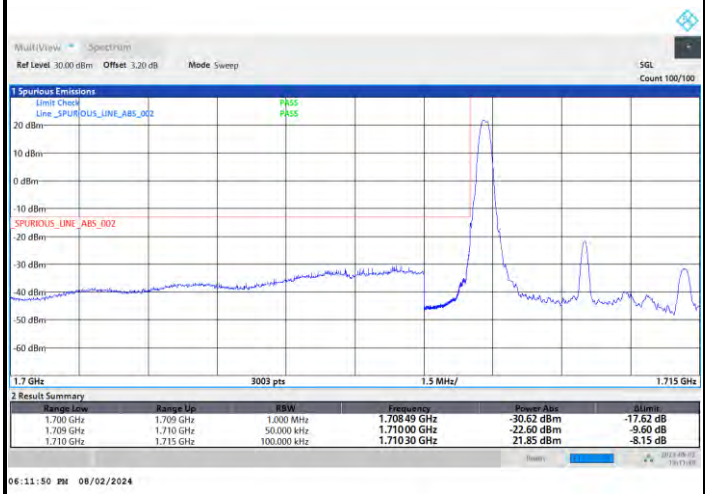
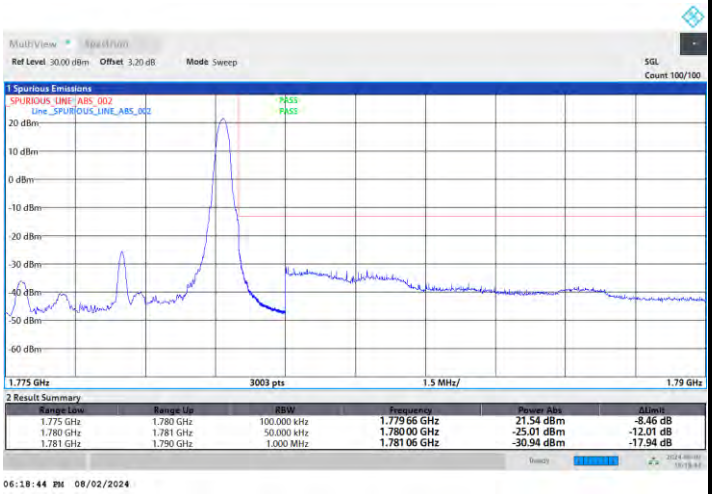
FR1 n66 / 30MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

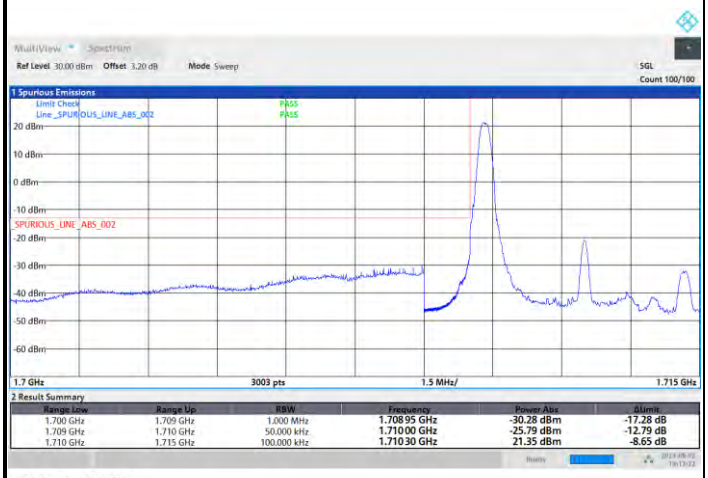
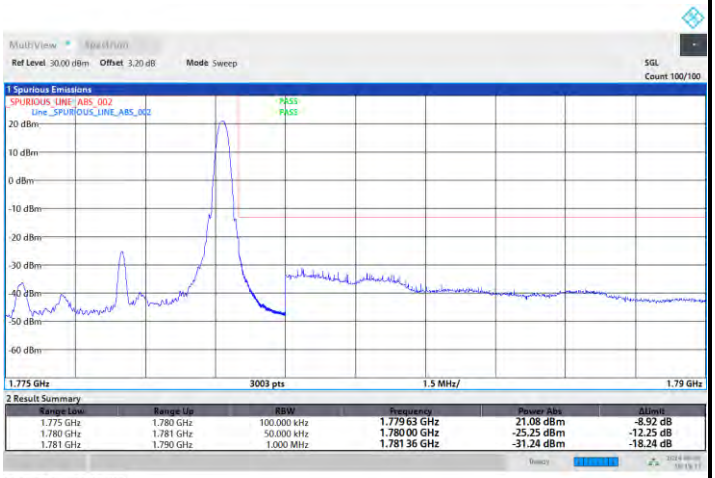
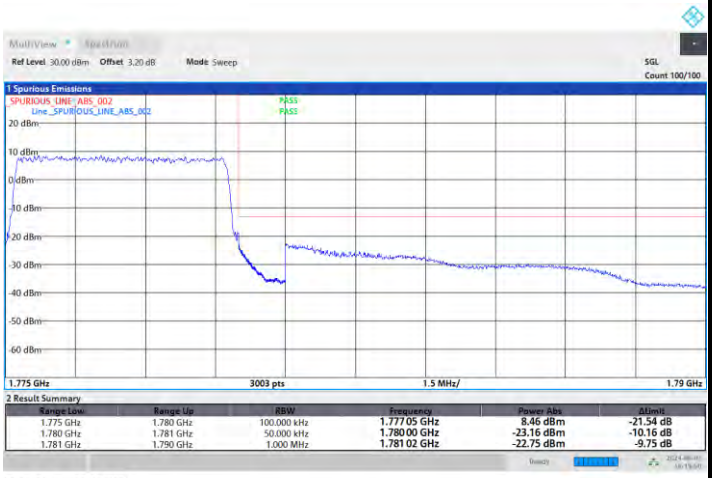
FR1 n66 / 30MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

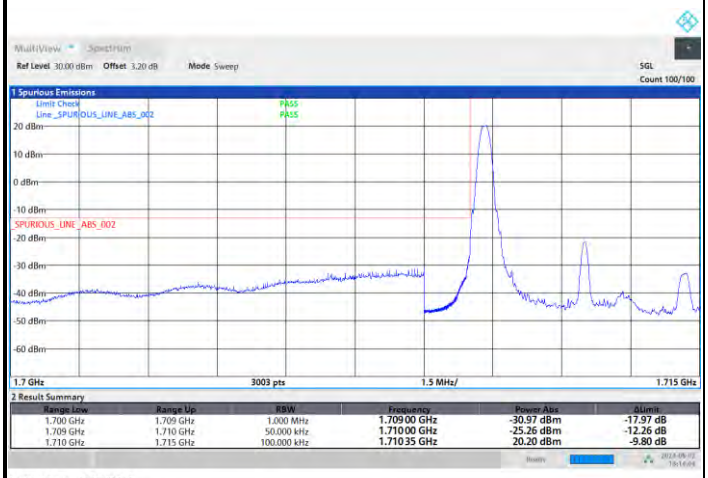
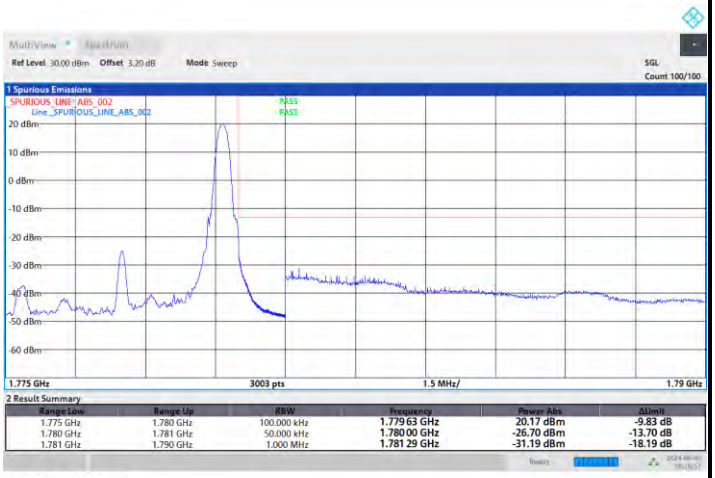
FR1 n66 / 40MHz / DFT-S OFDM / Middle Channel / Full RB	
PI/2 BPSK	
	

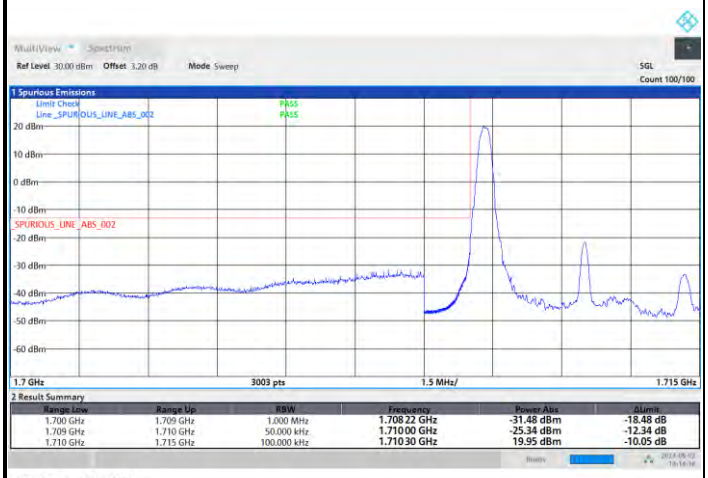
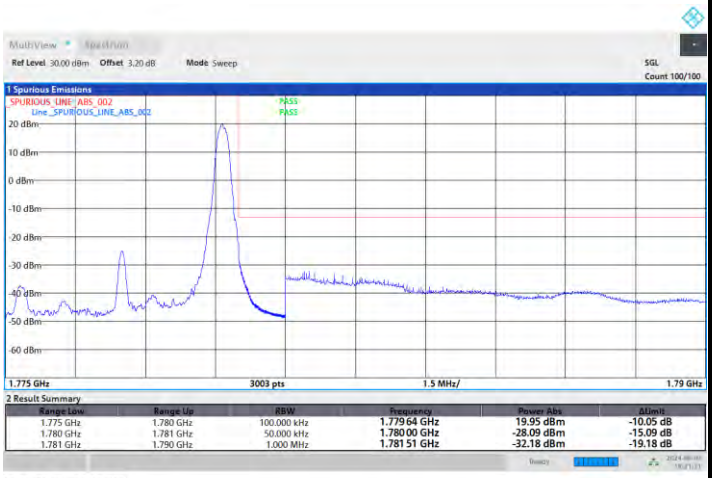
FR1 n66 / 40MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

Conducted Band Edge

FR1 n66 / 5MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Band Edge / 1RB0	**Highest Band Edge / 1RBmax**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n66 / 5MHz / DFT-S OFDM / QPSK	
Lowest Band Edge / 1RB0	**Highest Band Edge / 1RBmax**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n66 / 5MHz / DFT-S OFDM / 16QAM	
Lowest Band Edge / 1RB0	**Highest Band Edge / 1RBmax**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n66 / 5MHz / DFT-S OFDM / 64QAM	
Lowest Band Edge / 1RB0	**Highest Band Edge / 1RBmax**
	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**