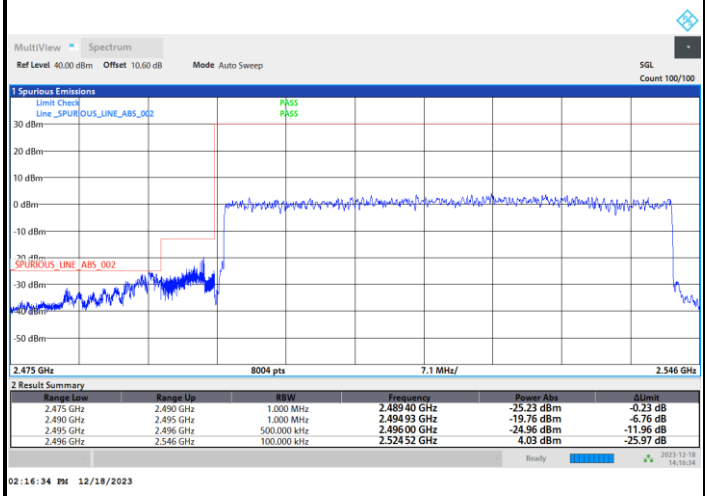
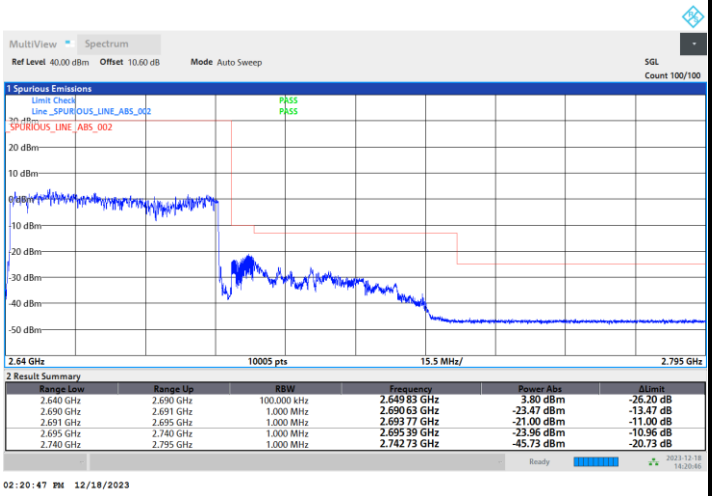
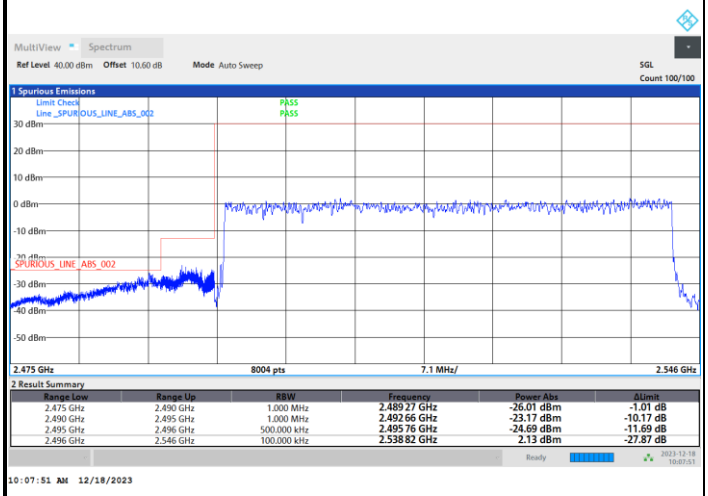
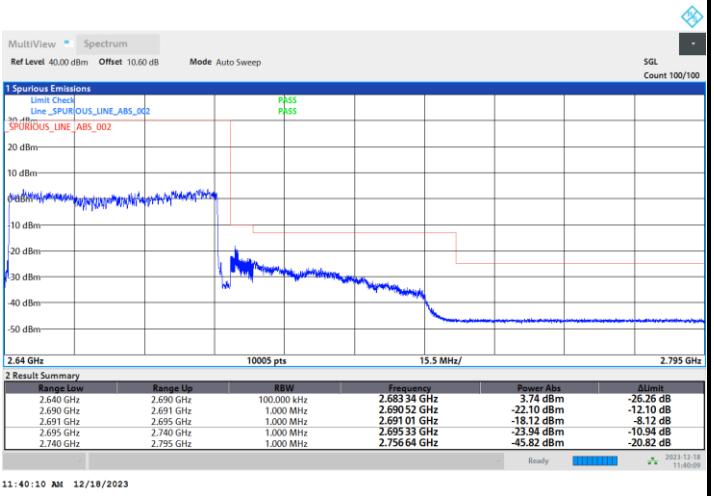
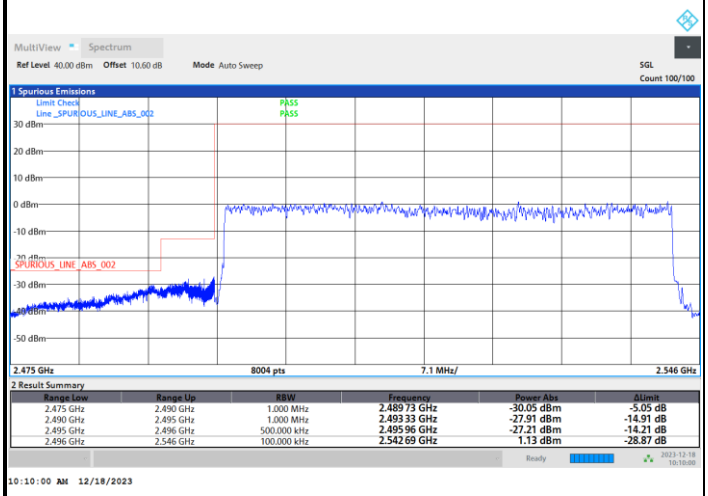
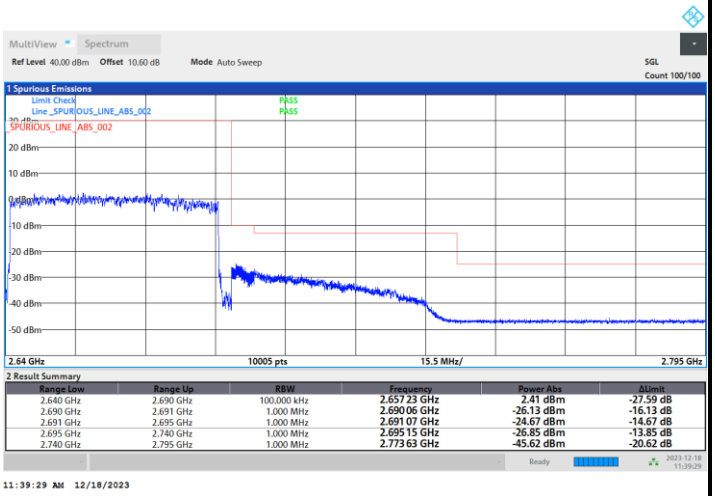
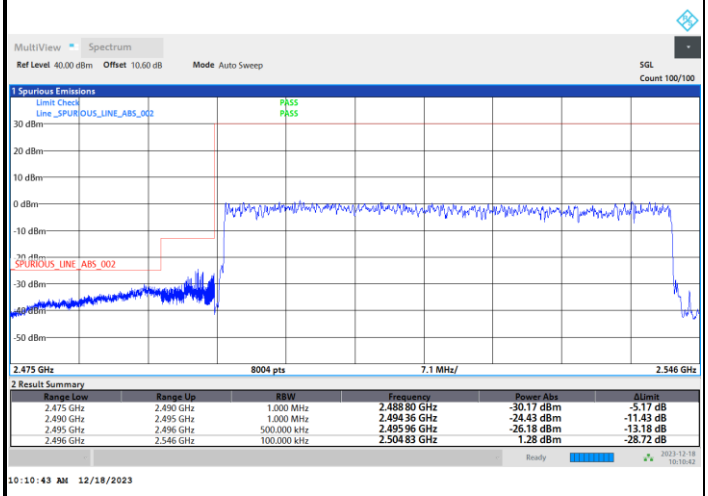
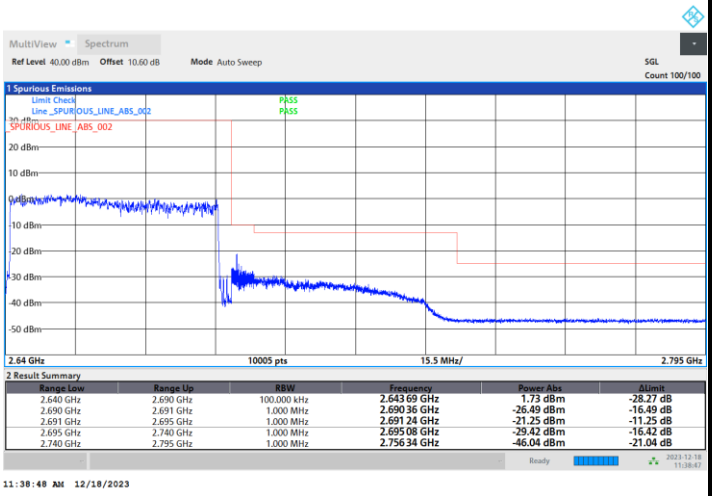
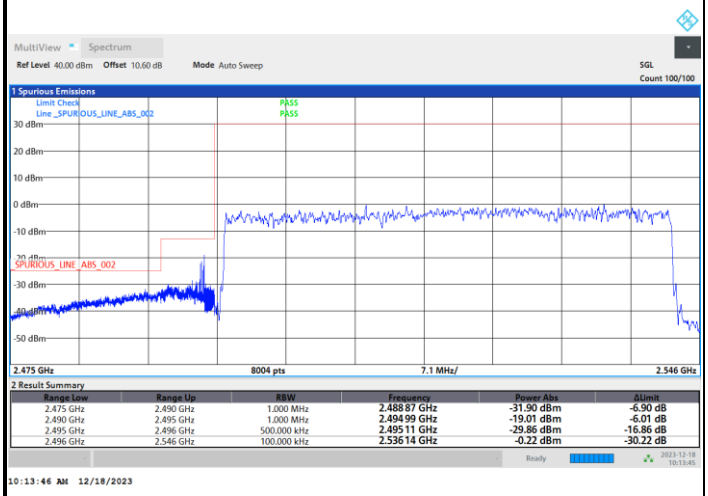
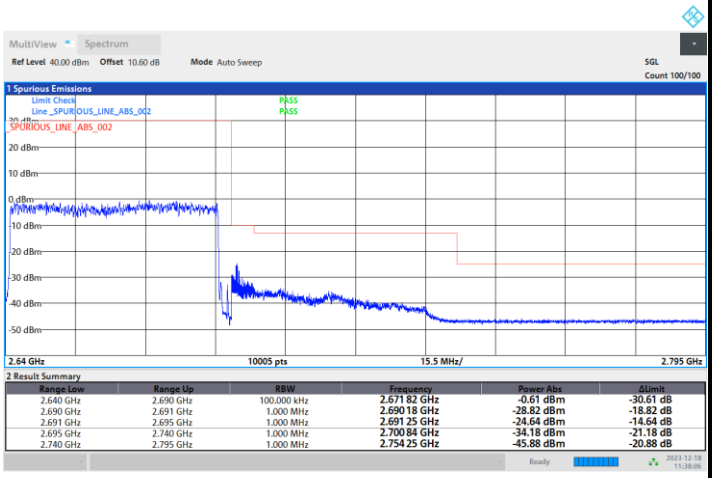
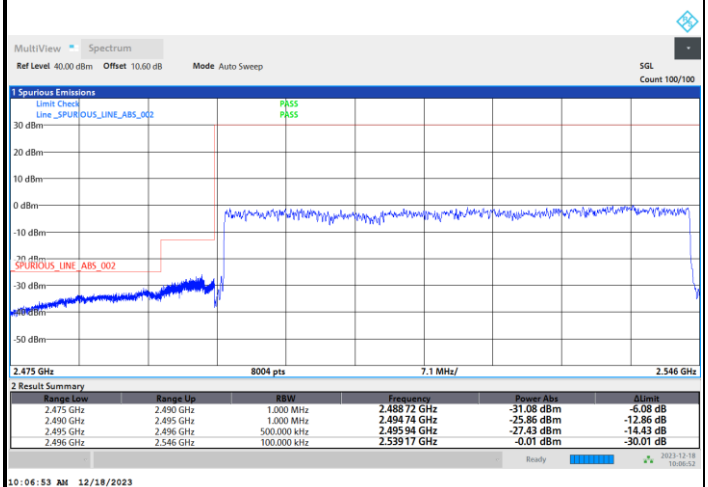
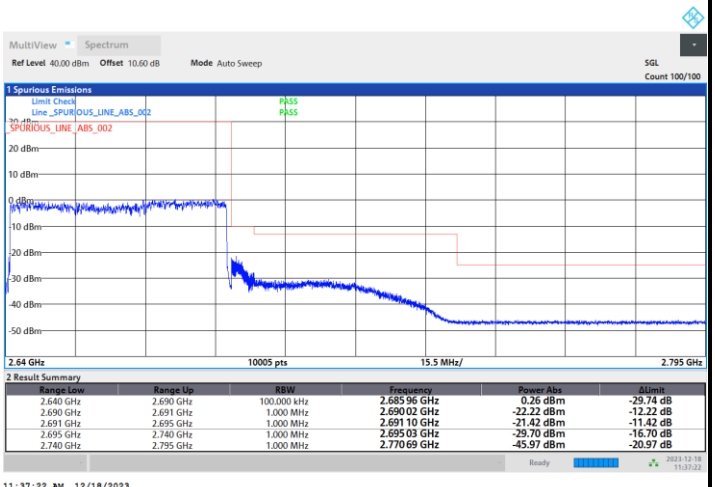
FR1 n41 / 50MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

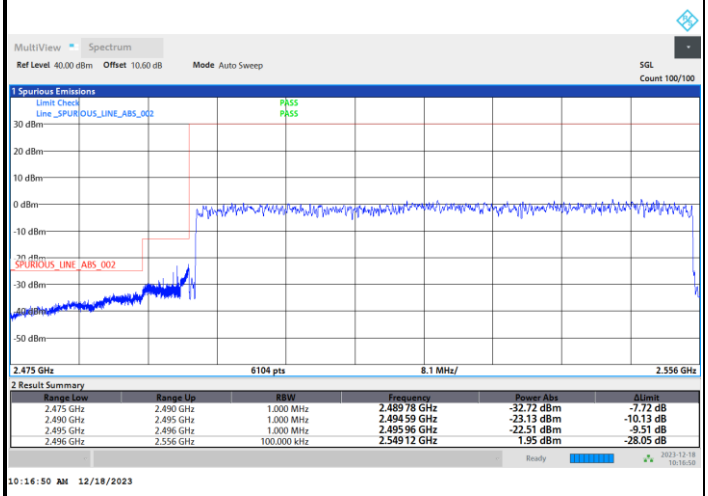
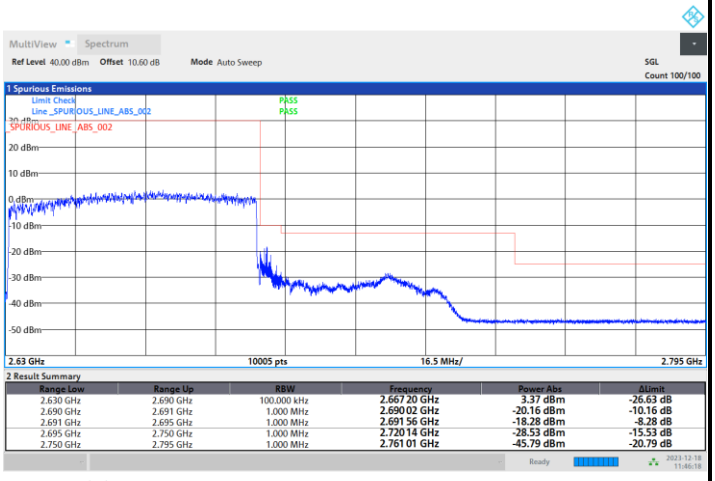
FR1 n41 / 50MHz / DFT-S OFDM / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

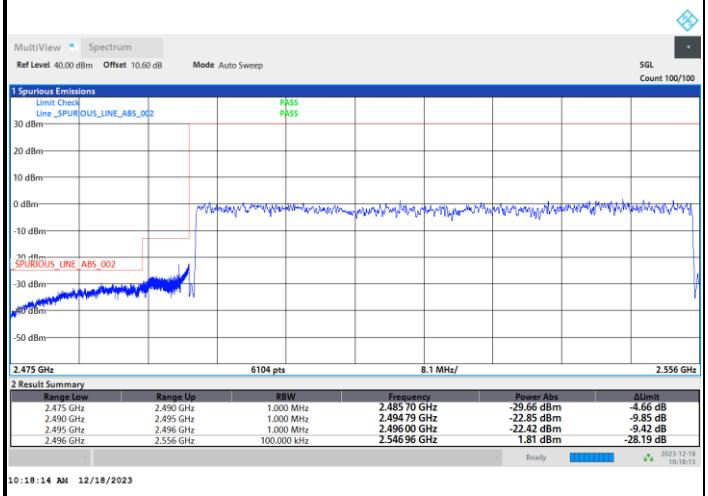
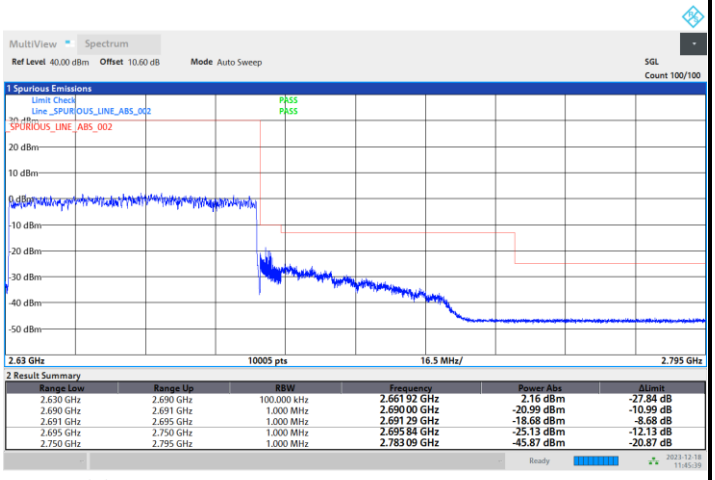
FR1 n41 / 50MHz / DFT-S OFDM / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

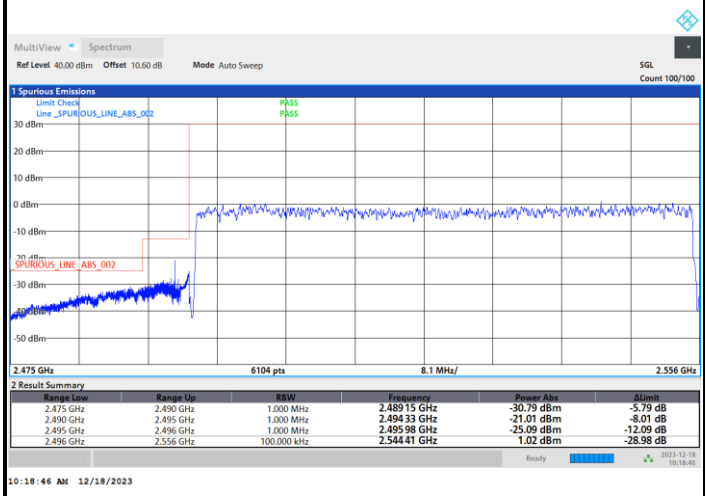
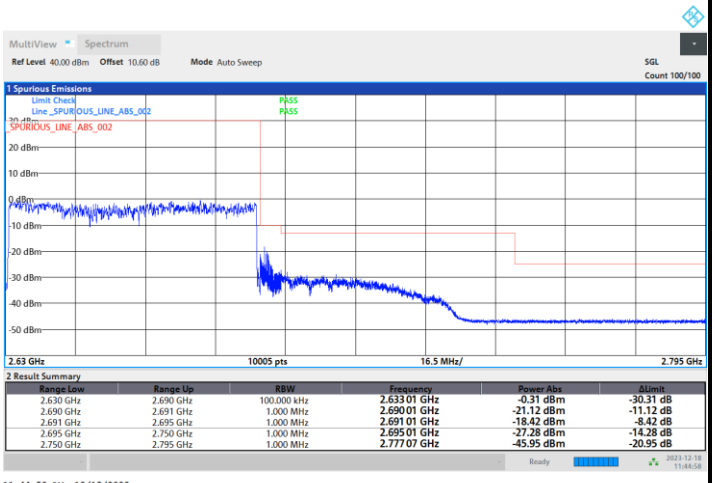
FR1 n41 / 50MHz / DFT-S OFDM / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

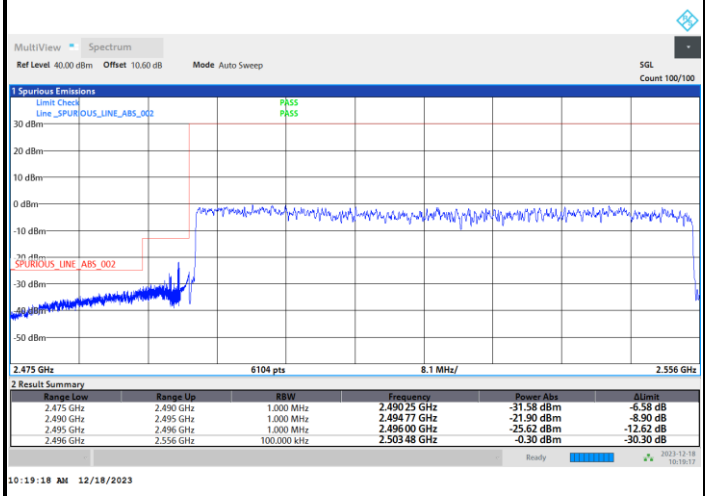
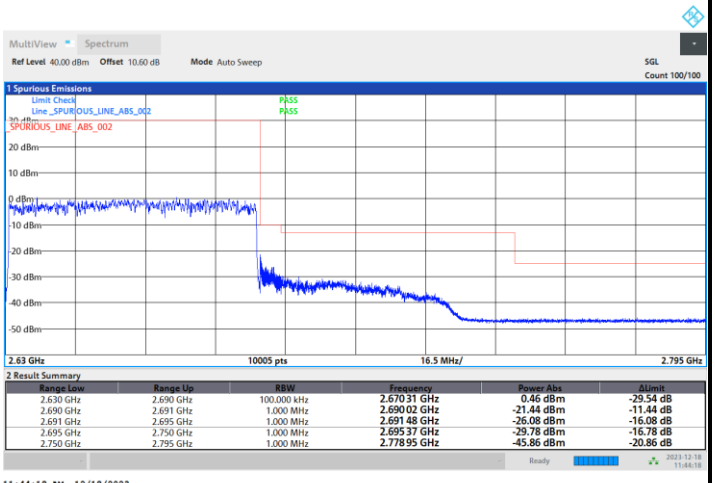
FR1 n41 / 50MHz / DFT-S OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

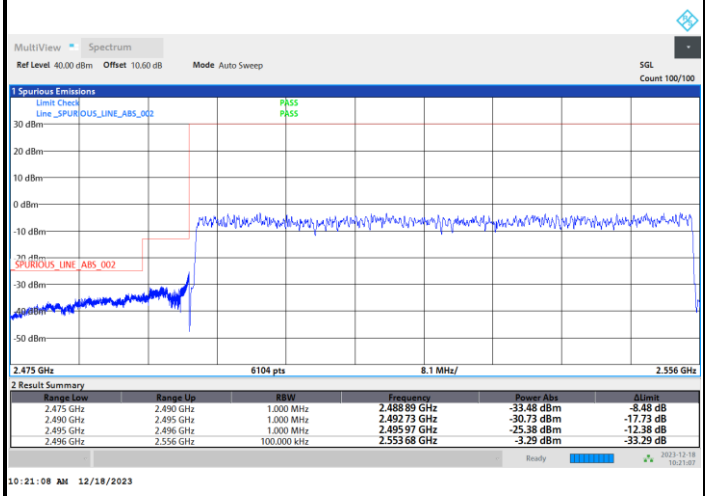
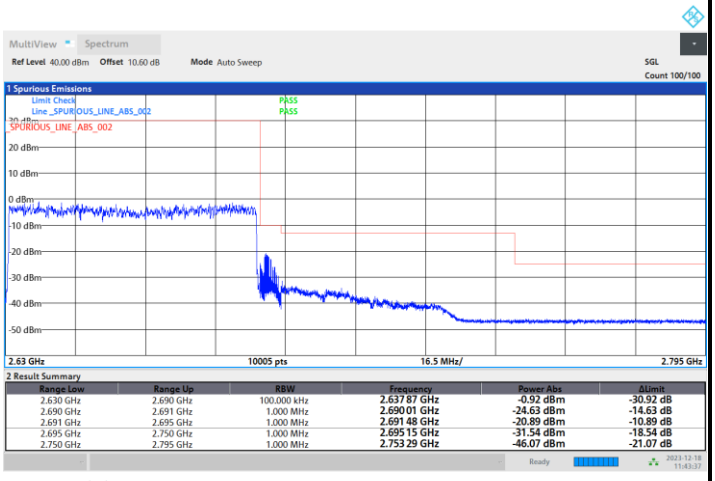
FR1 n41 / 50MHz / CP OFDM / QPSK / Full RB	
Lowest Band Edge	**Highest Band Edge**
	

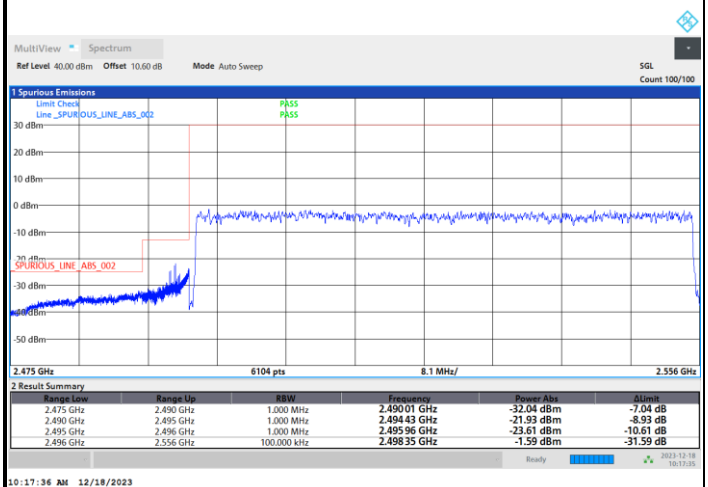
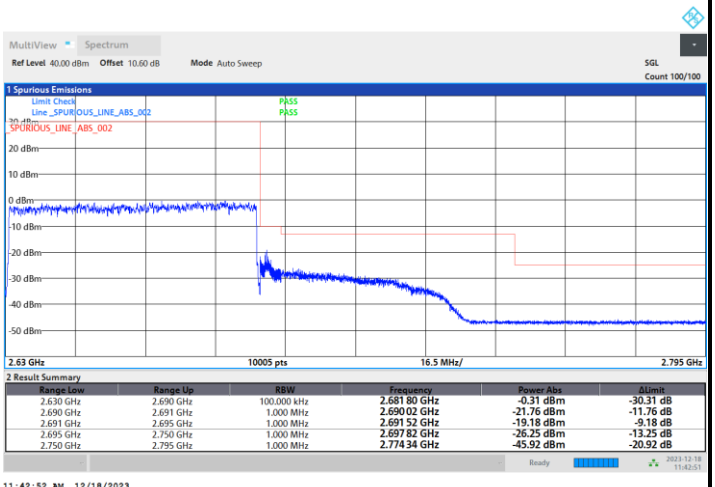
FR1 n41 / 60MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

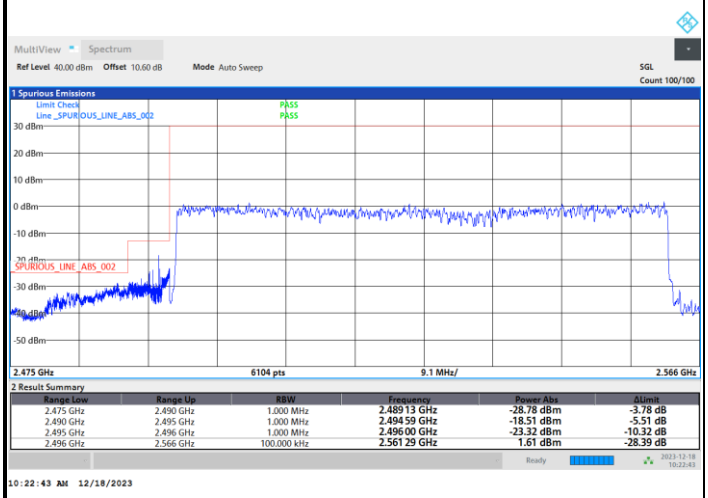
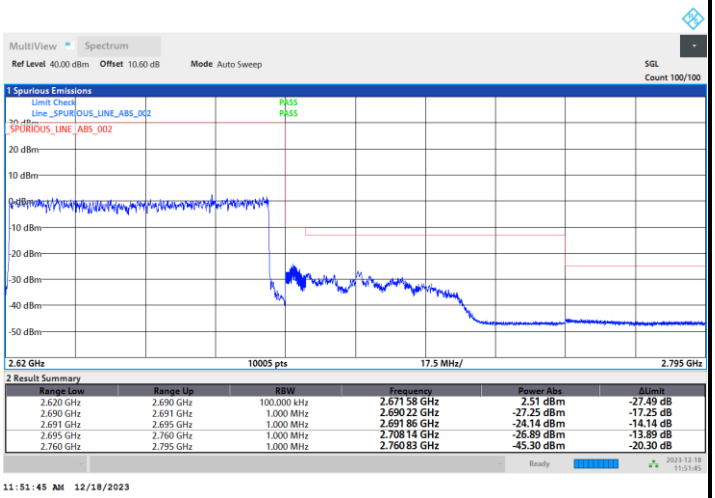
FR1 n41 / 60MHz / DFT-S OFDM / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

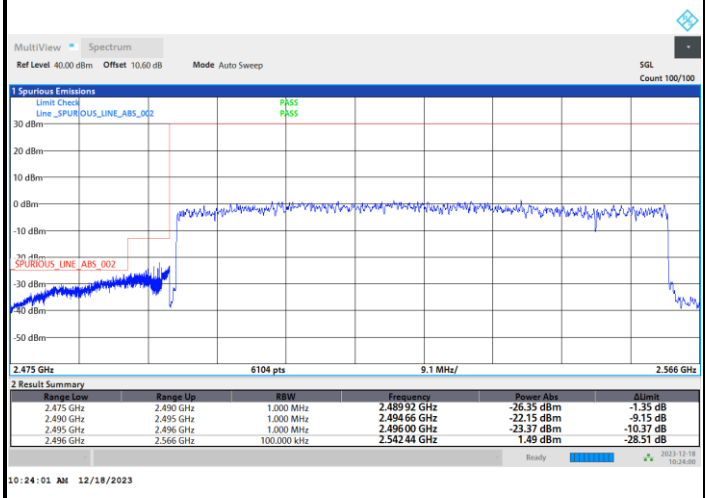
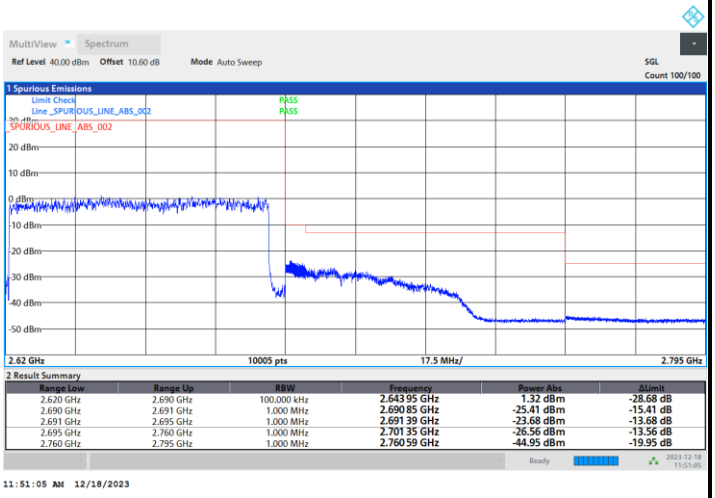
FR1 n41 / 60MHz / DFT-S OFDM / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

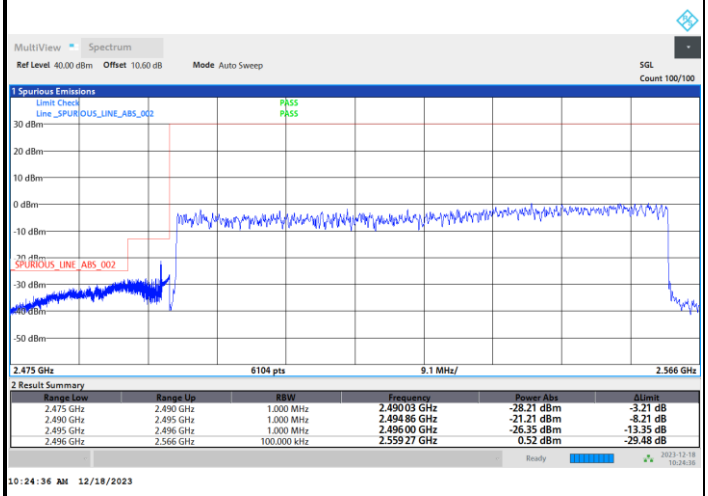
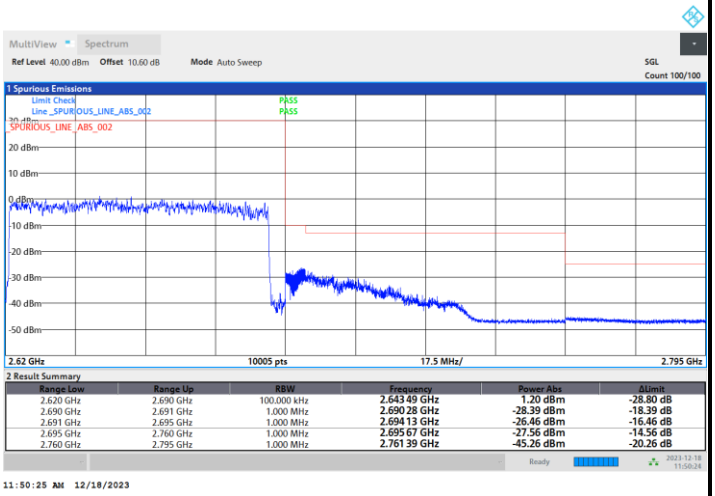
FR1 n41 / 60MHz / DFT-S OFDM / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

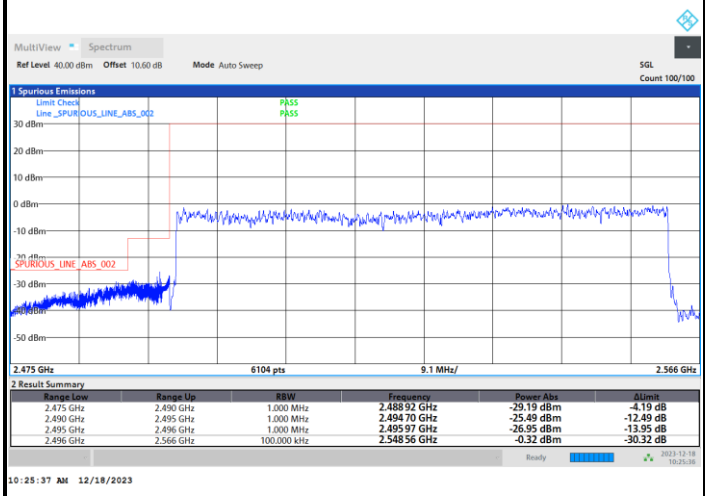
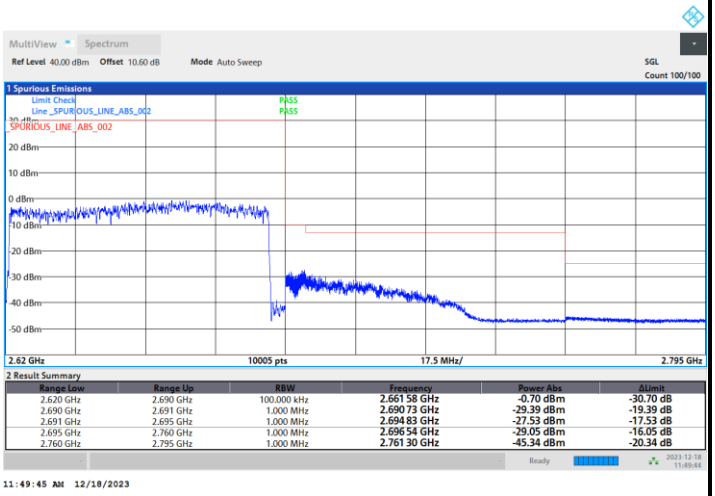
FR1 n41 / 60MHz / DFT-S OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

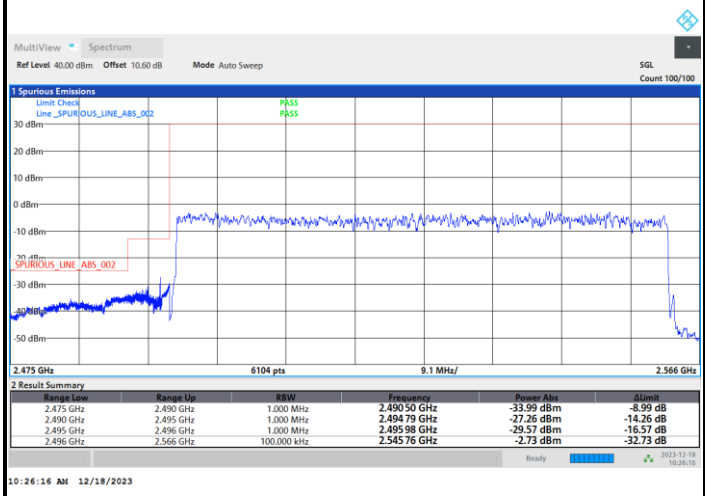
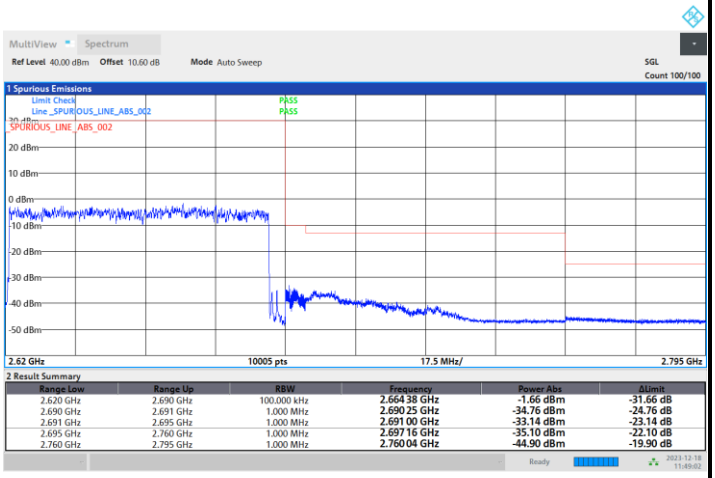
FR1 n41 / 60MHz / CP OFDM / QPSK / Full RB	
Lowest Band Edge	**Highest Band Edge**
	

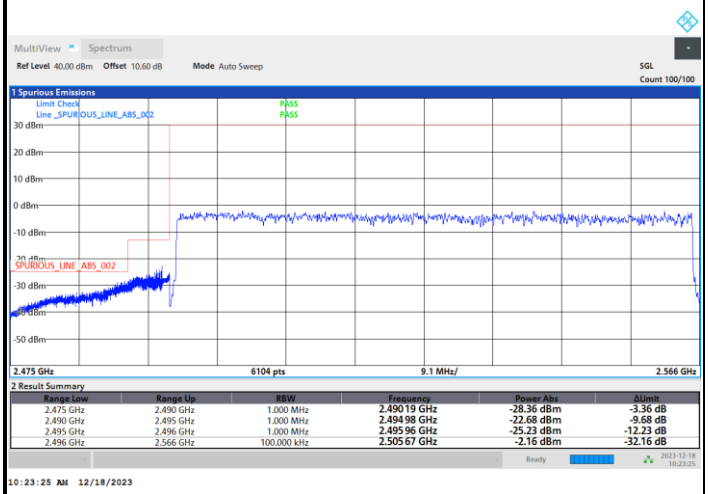
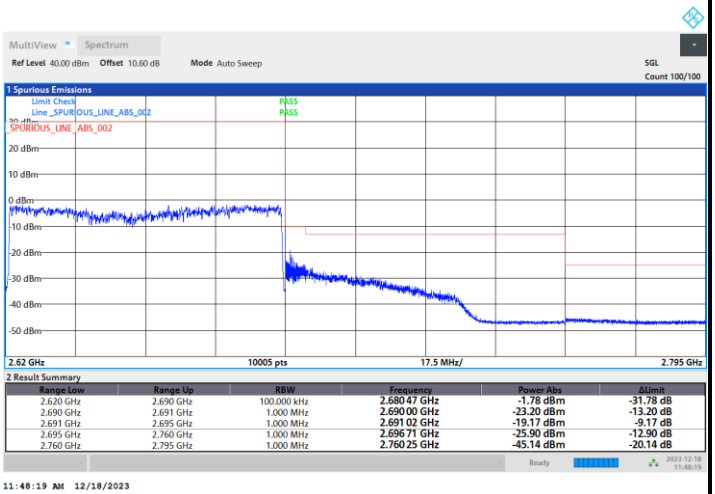
FR1 n41 / 70MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

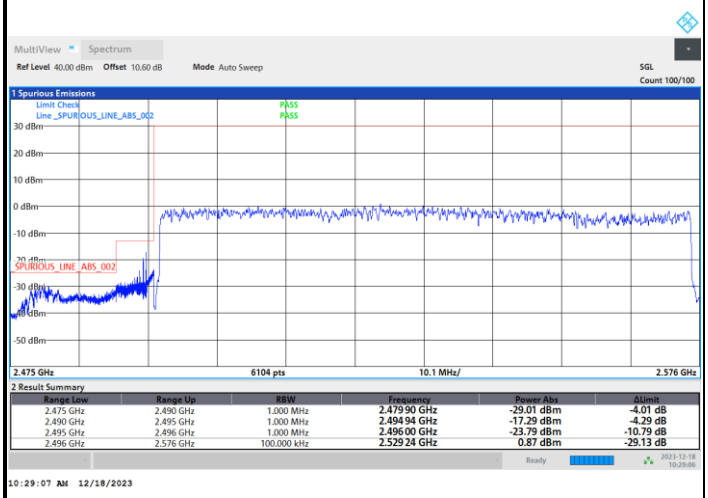
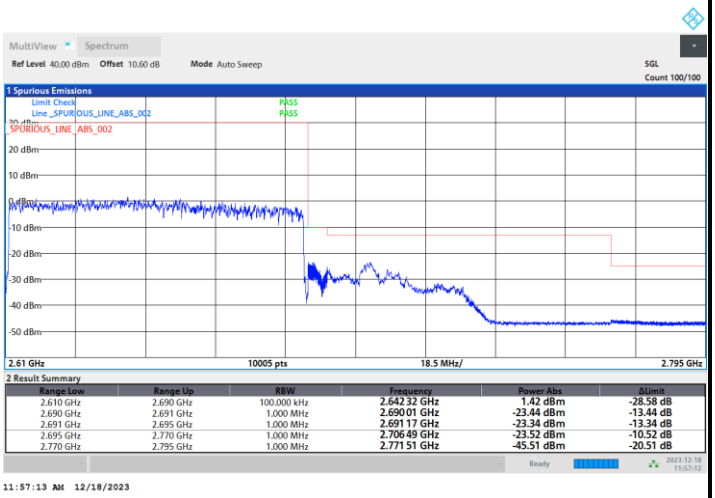
FR1 n41 / 70MHz / DFT-S OFDM / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

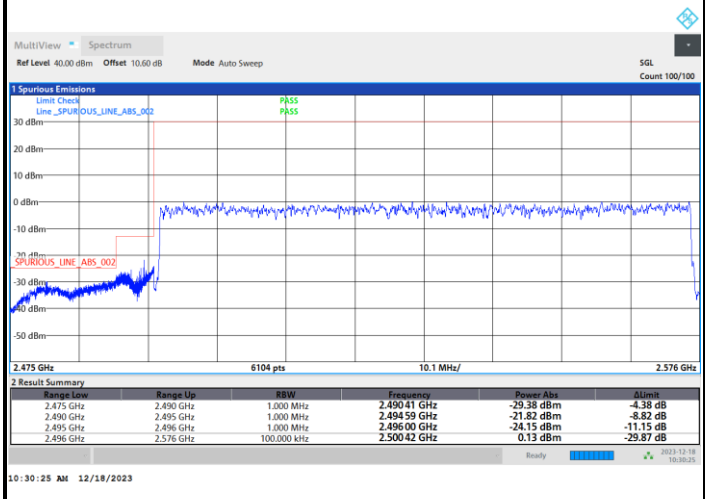
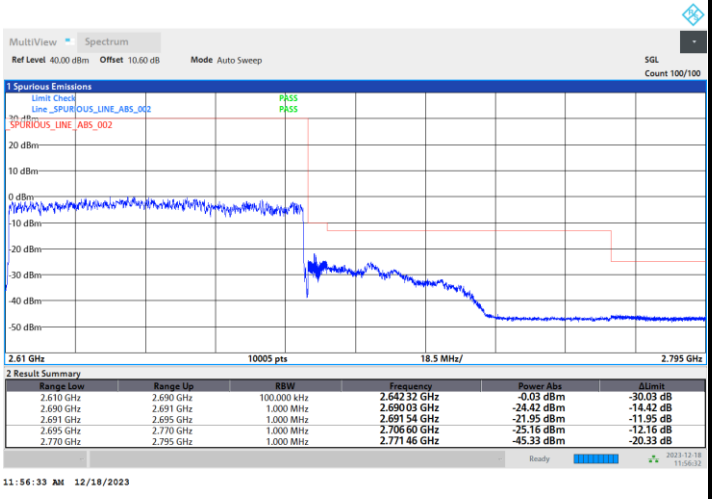
FR1 n41 / 70MHz / DFT-S OFDM / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

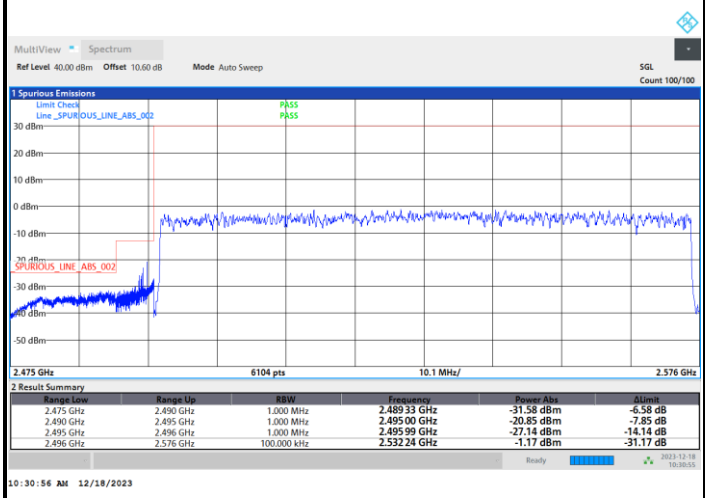
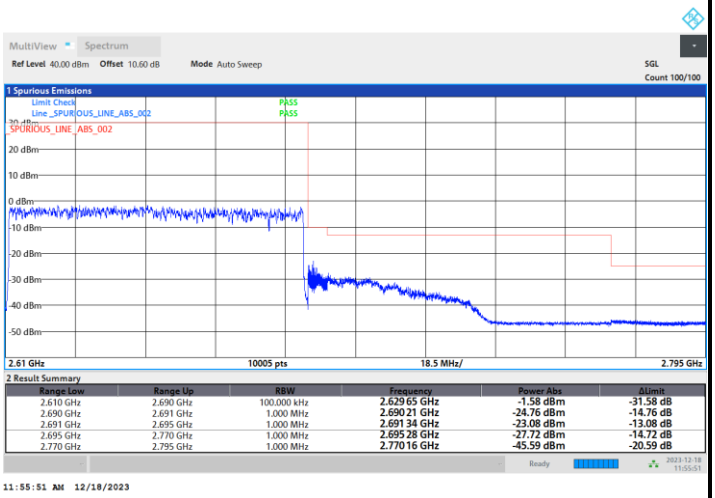
FR1 n41 / 70MHz / DFT-S OFDM / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

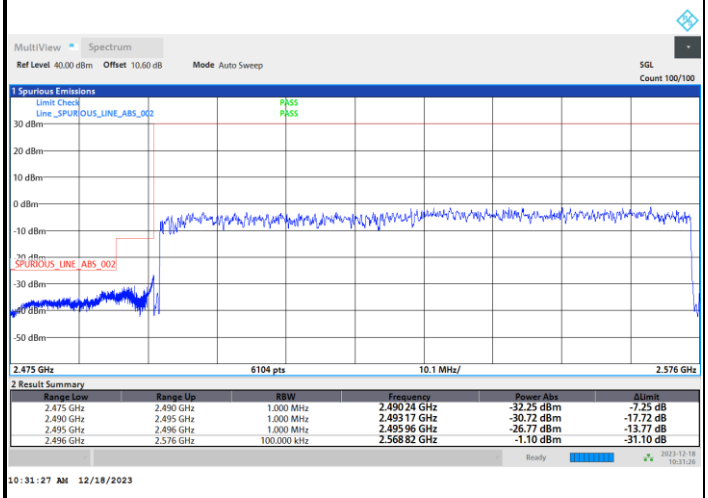
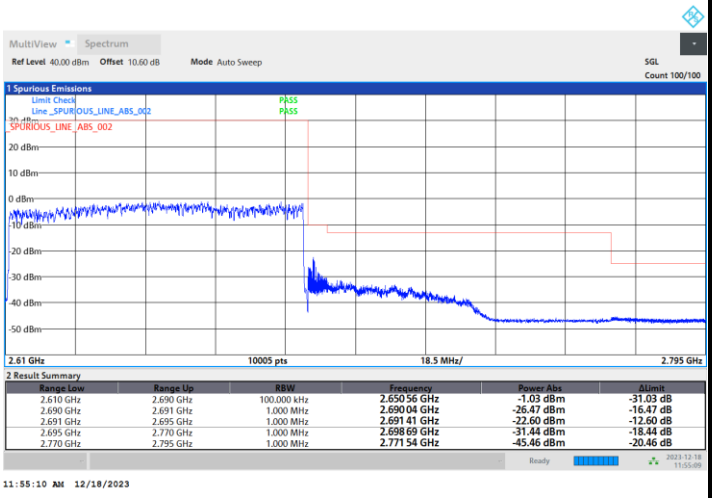
FR1 n41 / 70MHz / DFT-S OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

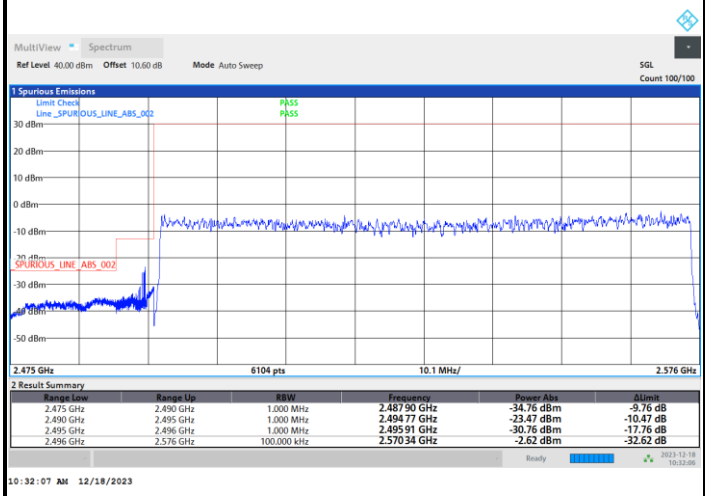
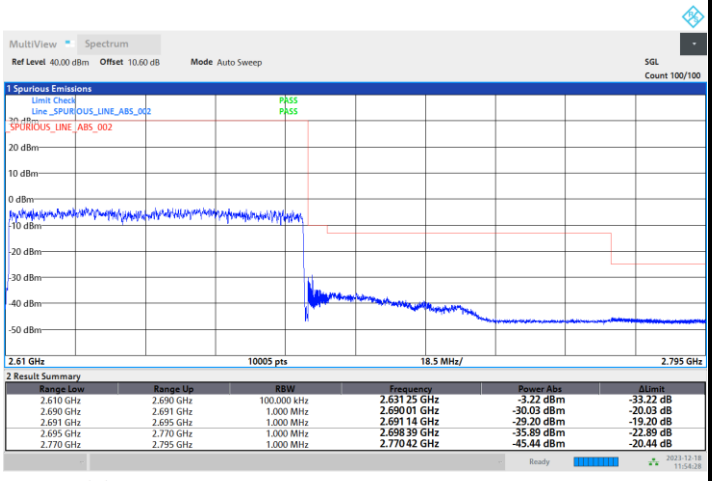
FR1 n41 / 70MHz / CP OFDM / QPSK / Full RB	
Lowest Band Edge	**Highest Band Edge**
	

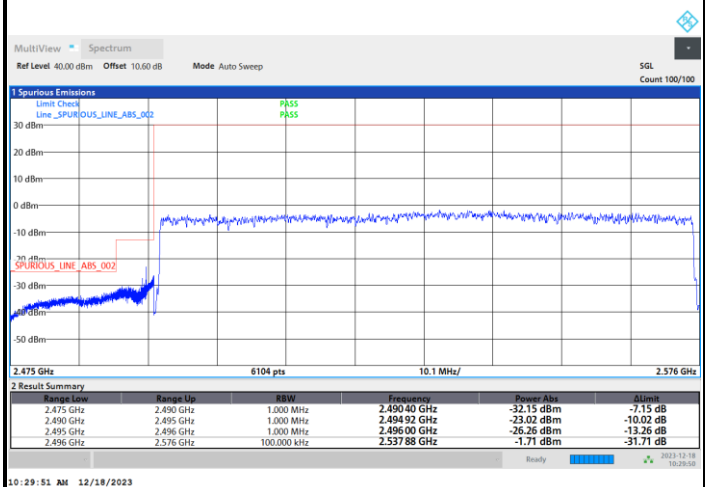
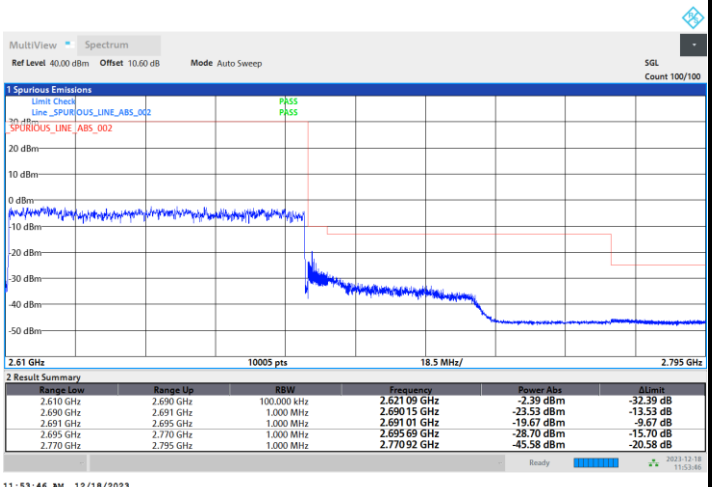
FR1 n41 / 80MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

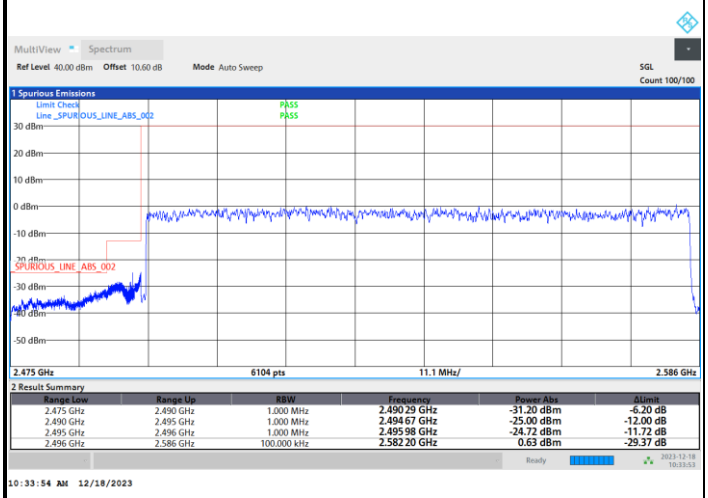
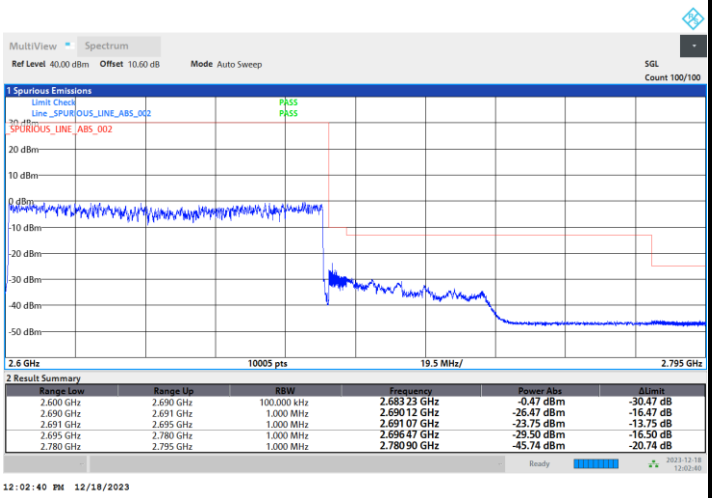
FR1 n41 / 80MHz / DFT-S OFDM / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

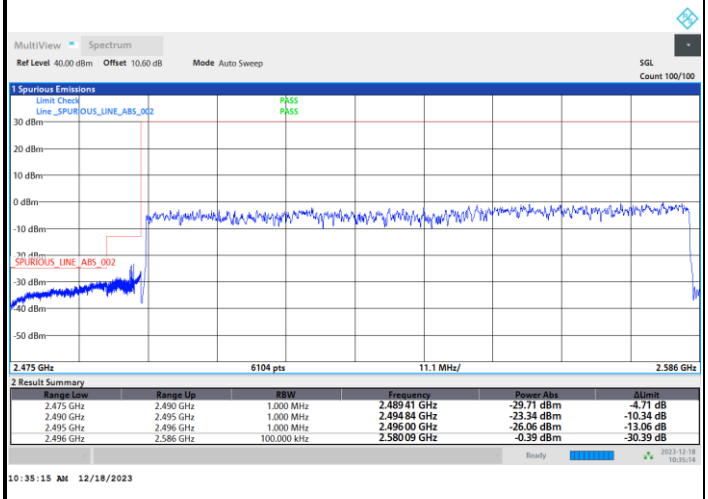
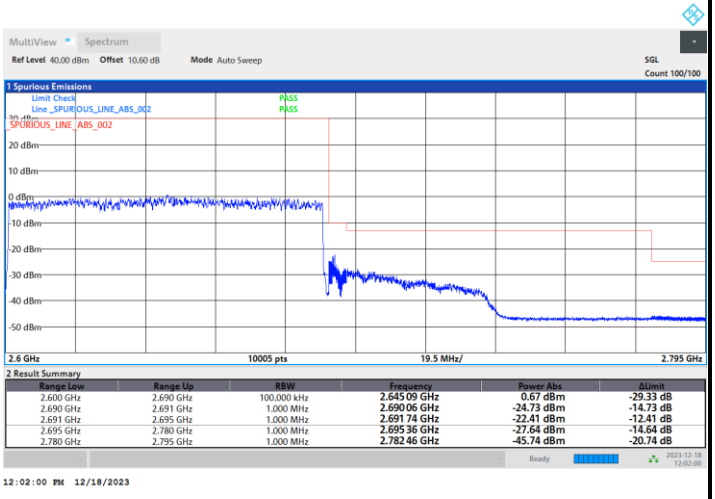
FR1 n41 / 80MHz / DFT-S OFDM / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

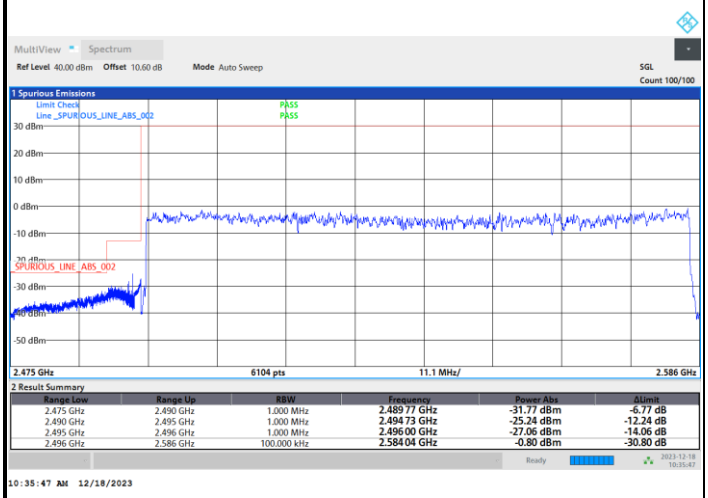
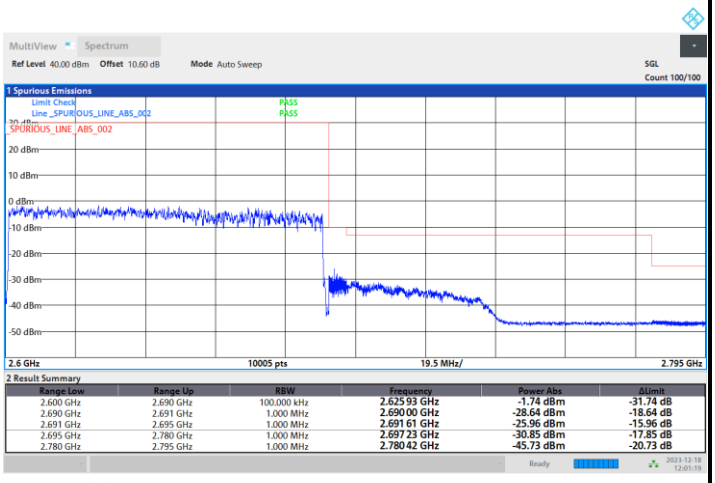
FR1 n41 / 80MHz / DFT-S OFDM / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

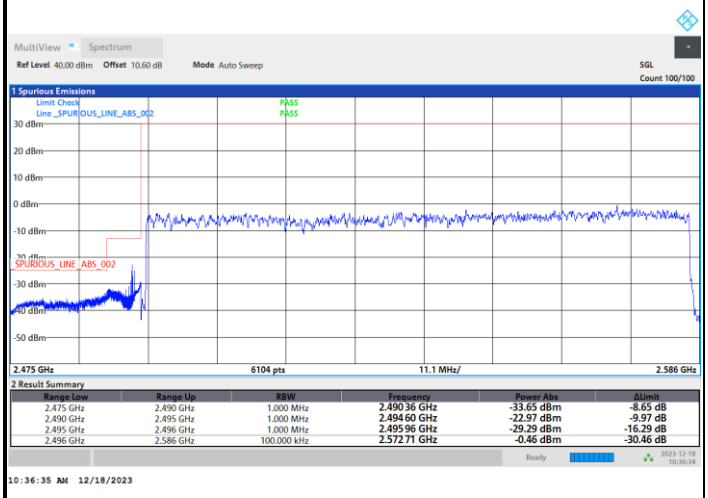
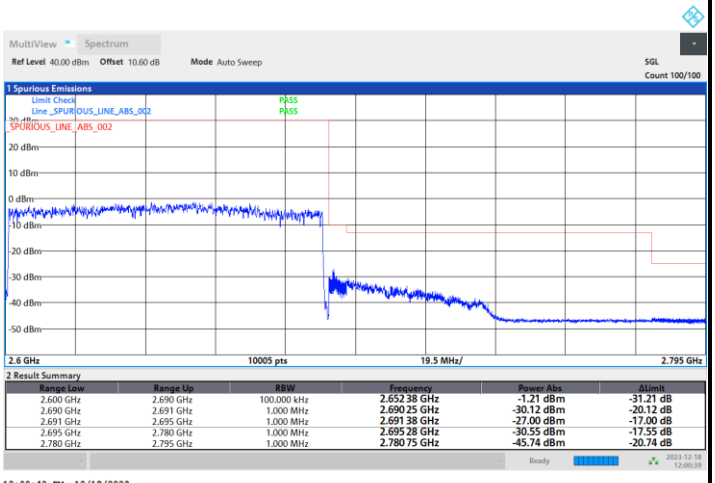
FR1 n41 / 80MHz / DFT-S OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

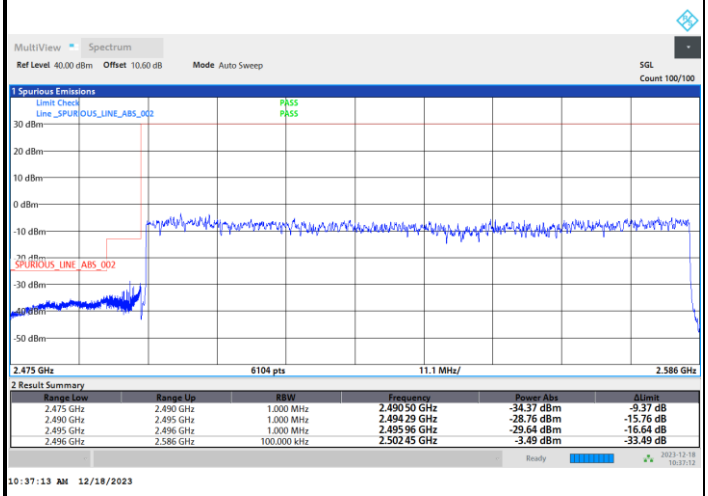
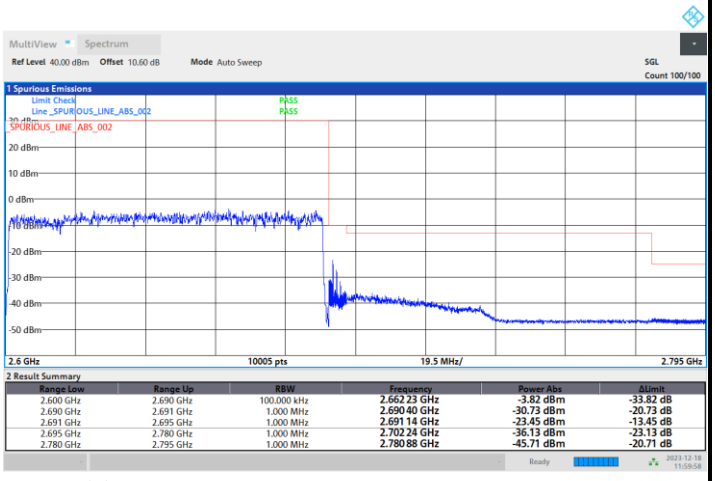
FR1 n41 / 80MHz / CP OFDM / QPSK / Full RB	
Lowest Band Edge	**Highest Band Edge**
	

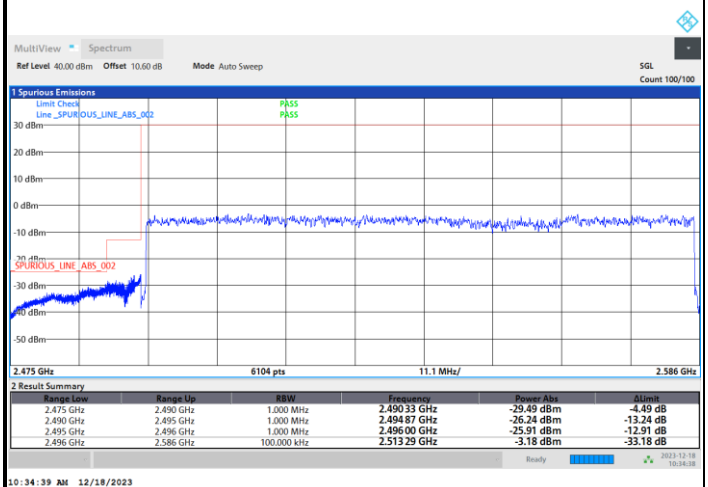
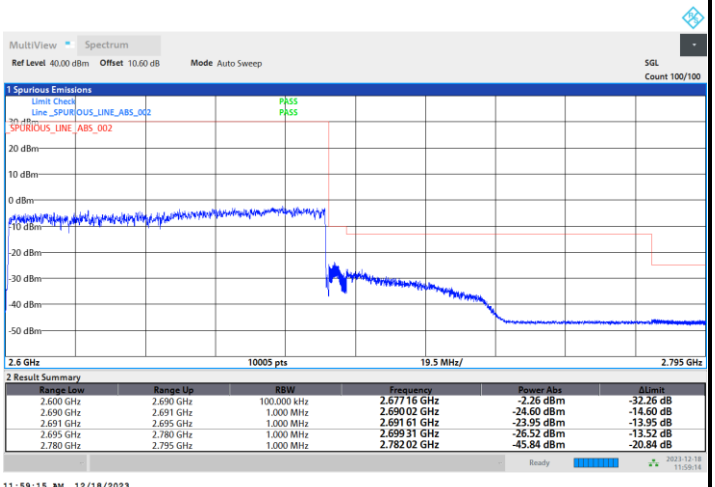
FR1 n41 / 90MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

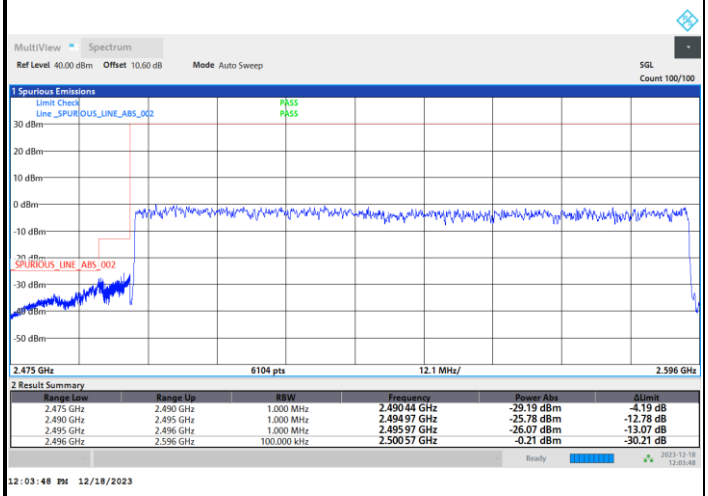
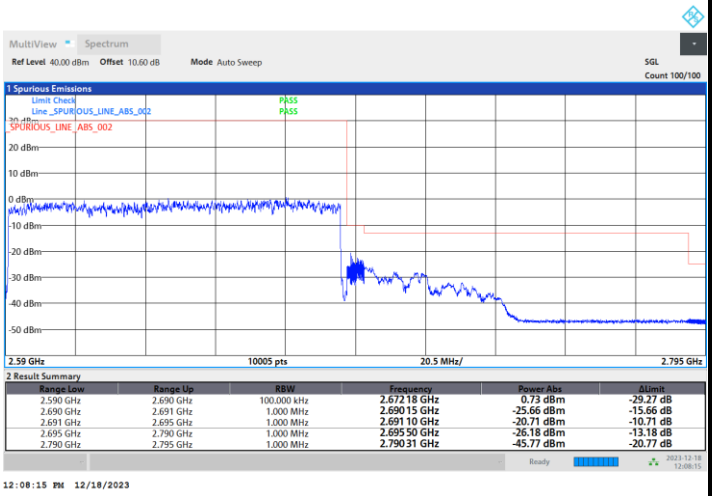
FR1 n41 / 90MHz / DFT-S OFDM / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

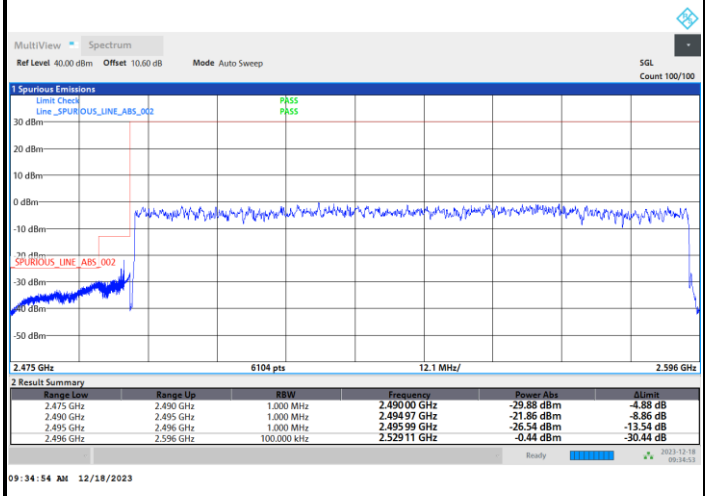
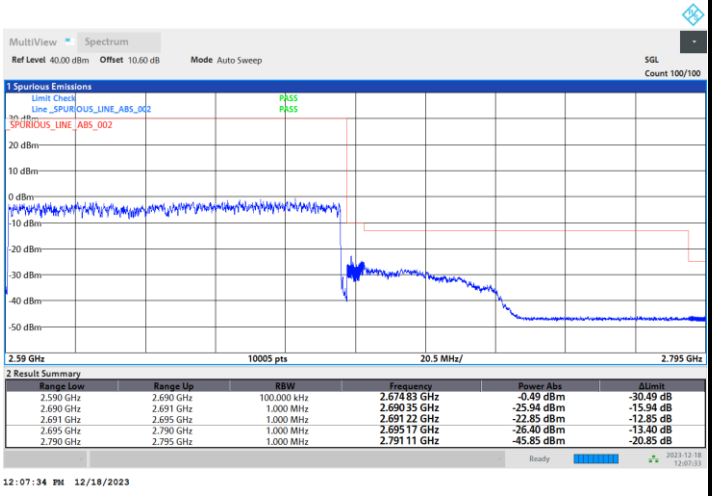
FR1 n41 / 90MHz / DFT-S OFDM / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

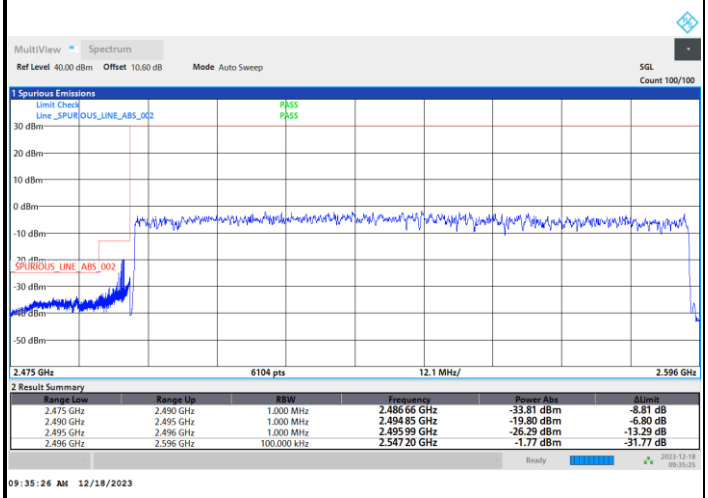
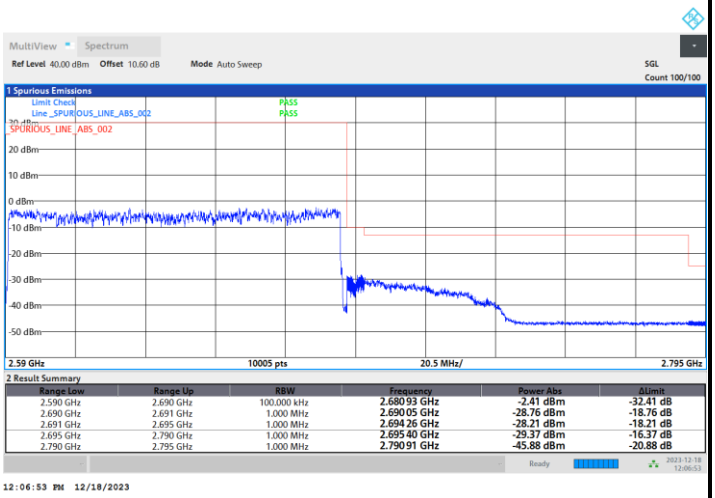
FR1 n41 / 90MHz / DFT-S OFDM / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

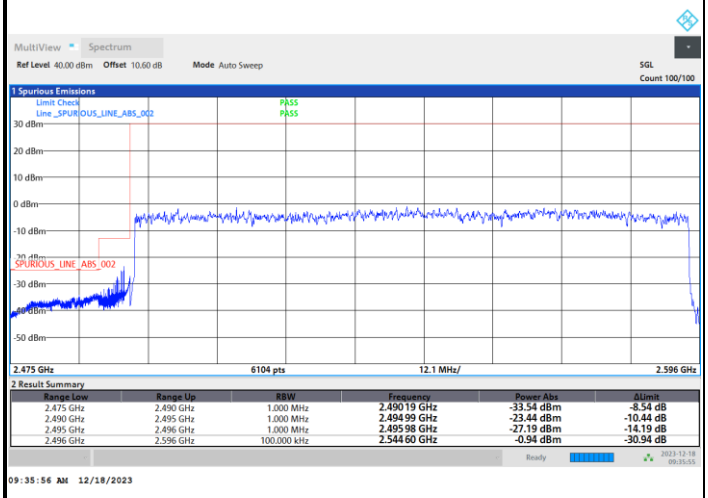
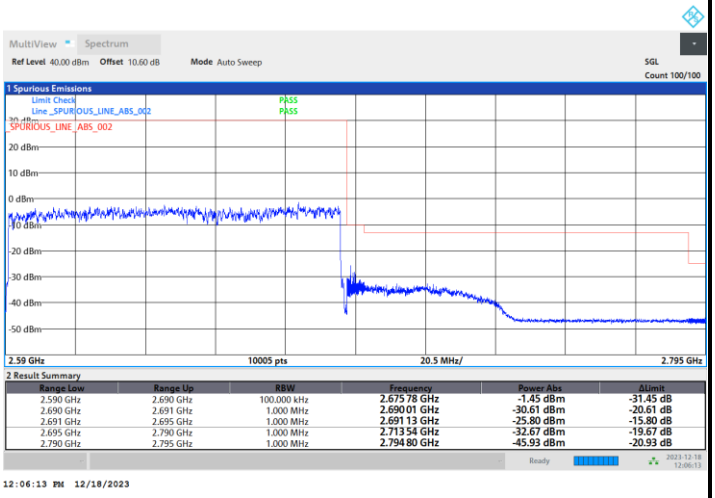
FR1 n41 / 90MHz / DFT-S OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

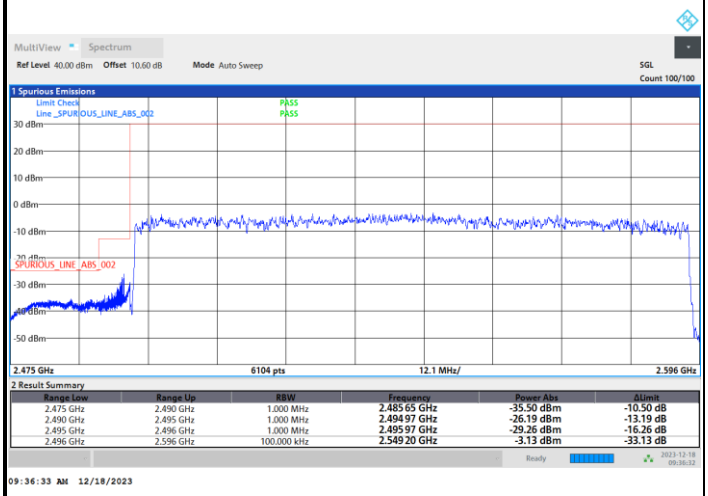
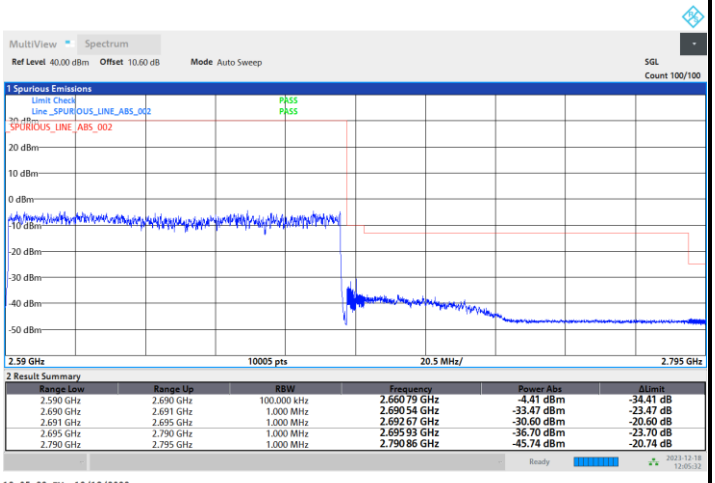
FR1 n41 / 90MHz / CP OFDM / QPSK / Full RB	
Lowest Band Edge	**Highest Band Edge**
	

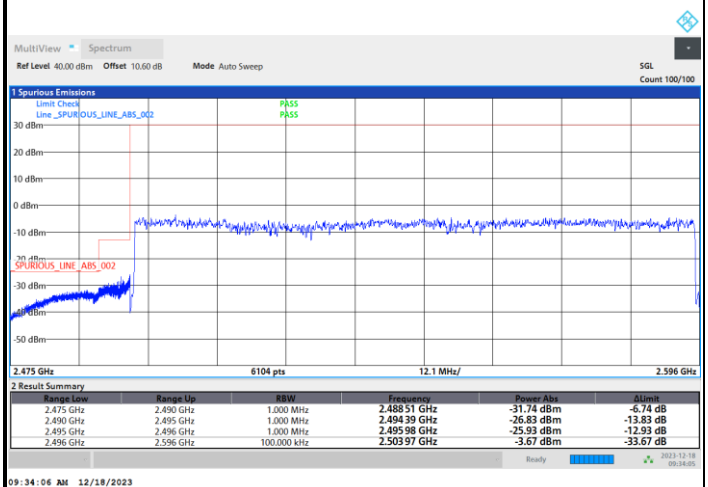
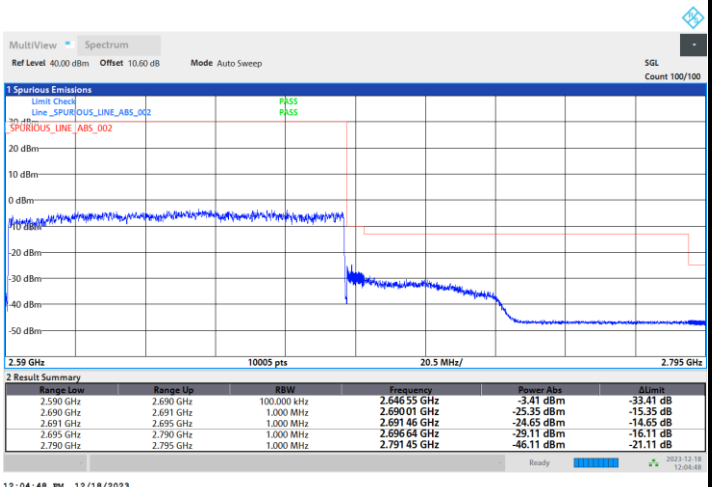
FR1 n41 / 100MHz / DFT-S OFDM / PI/2 BPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n41 / 100MHz / DFT-S OFDM / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n41 / 100MHz / DFT-S OFDM / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n41 / 100MHz / DFT-S OFDM / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

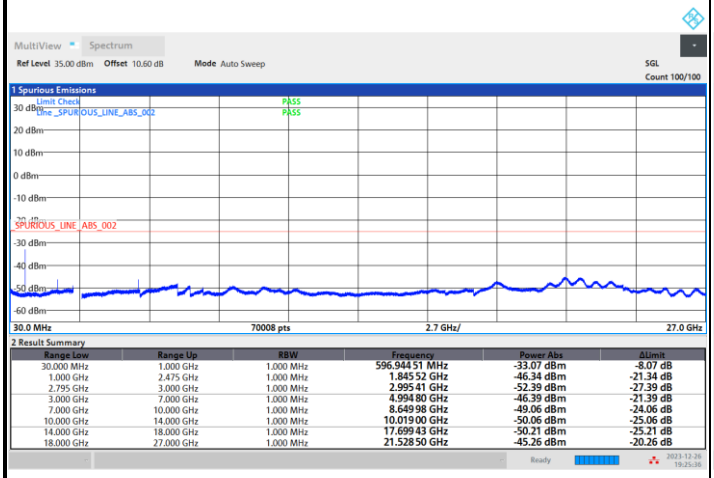
FR1 n41 / 100MHz / DFT-S OFDM / 256QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

FR1 n41 / 100MHz / CP OFDM / QPSK / Full RB	
Lowest Band Edge	**Highest Band Edge**
	

Conducted Spurious Emission

FR1 n41 / 20MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel

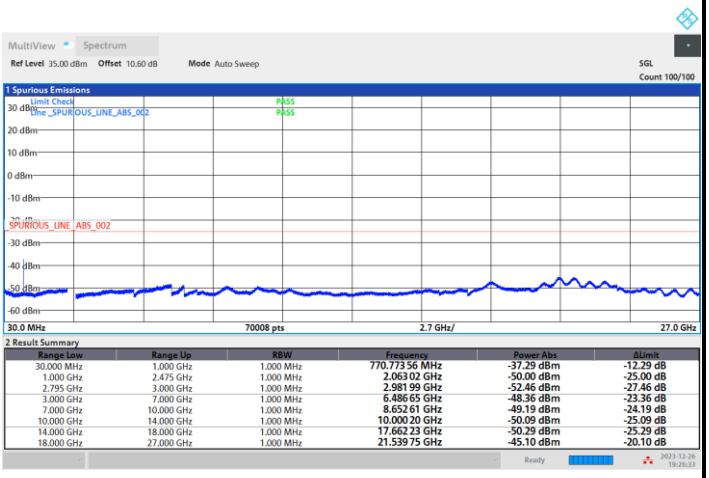


2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	596.944 51 MHz	-33.07 dBm	-8.07 dB
1.000 GHz	2.475 GHz	1.000 MHz	1.845 52 GHz	-46.34 dBm	-21.34 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.995 41 GHz	-52.39 dBm	-27.39 dB
3.000 GHz	7.000 GHz	1.000 MHz	4.994 80 GHz	-46.39 dBm	-21.39 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.649 98 GHz	-49.06 dBm	-24.06 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.019 00 GHz	-50.06 dBm	-25.06 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.699 43 GHz	-50.21 dBm	-25.21 dB
18.000 GHz	27.000 GHz	1.000 MHz	21.528 50 GHz	-45.26 dBm	-20.26 dB

07:25:37 PM 12/26/2023

Middle Channel

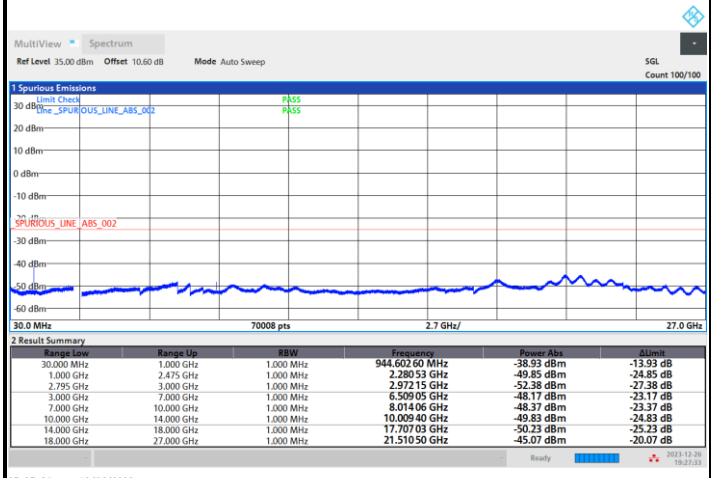


2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	770.773 56 MHz	-37.29 dBm	-12.29 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.063 02 GHz	-50.00 dBm	-25.00 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.981 99 GHz	-52.46 dBm	-27.46 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.486 65 GHz	-48.36 dBm	-23.36 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.652 61 GHz	-49.19 dBm	-24.19 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.000 20 GHz	-50.09 dBm	-25.09 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.662 23 GHz	-50.29 dBm	-25.29 dB
18.000 GHz	27.000 GHz	1.000 MHz	21.539 75 GHz	-45.10 dBm	-20.10 dB

07:26:34 PM 12/26/2023

Highest Channel



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	944.602 60 MHz	-38.93 dBm	-13.93 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.280 53 GHz	-49.85 dBm	-24.85 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.972 15 GHz	-52.38 dBm	-27.38 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.509 05 GHz	-48.17 dBm	-23.17 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.014 06 GHz	-48.37 dBm	-23.37 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.009 40 GHz	-49.83 dBm	-24.83 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.707 03 GHz	-50.23 dBm	-25.23 dB
18.000 GHz	27.000 GHz	1.000 MHz	21.510 50 GHz	-45.07 dBm	-20.07 dB

07:27:34 PM 12/26/2023

Frequency Stability

Test Conditions		FR1 n41 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0120	PASS
40	Normal Voltage	0.0182	
30	Normal Voltage	0.0220	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0131	
0	Normal Voltage	0.0028	
-10	Normal Voltage	0.0218	
-20	Normal Voltage	0.0204	
-30	Normal Voltage	0.0072	
20	Maximum Voltage	0.0147	
20	Normal Voltage	0.0079	
20	Battery End Point	0.0112	

Note:

1. Normal Voltage = 3.8 V.；Battery End Point (BEP) = 3.6 V.；Maximum Voltage = 4.2 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	4.06	4.64	5.70	6.00	PASS
Mode	FR1 n66 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.68				PASS