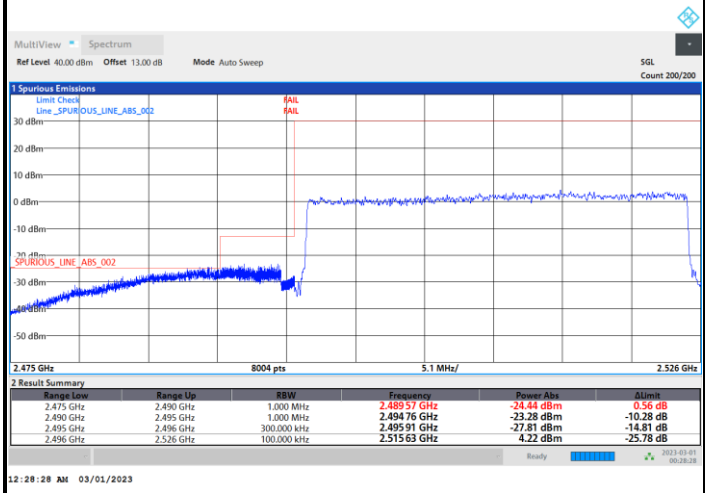
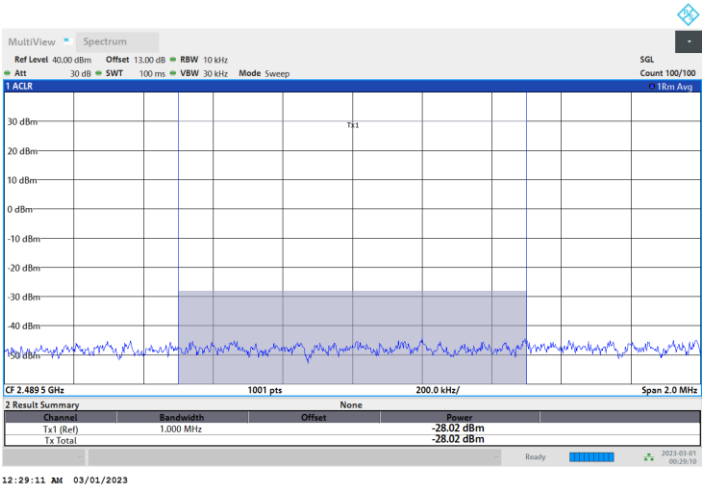
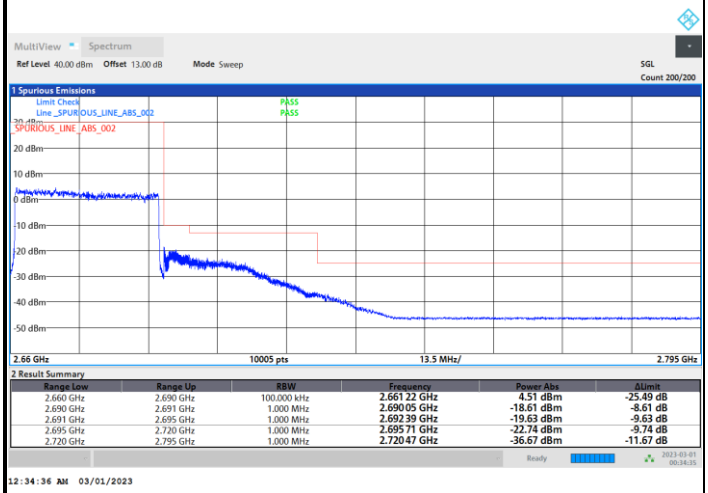
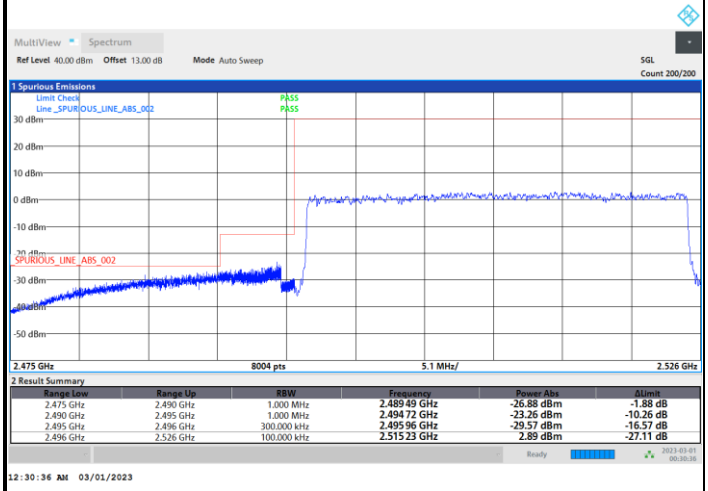
FR1 n41 / 30MHz / CP OFDM / 16QAM	
Lowest Band Edge / Full RB	**Power Limit -25dBm > -28.02 dBm Pass**
	

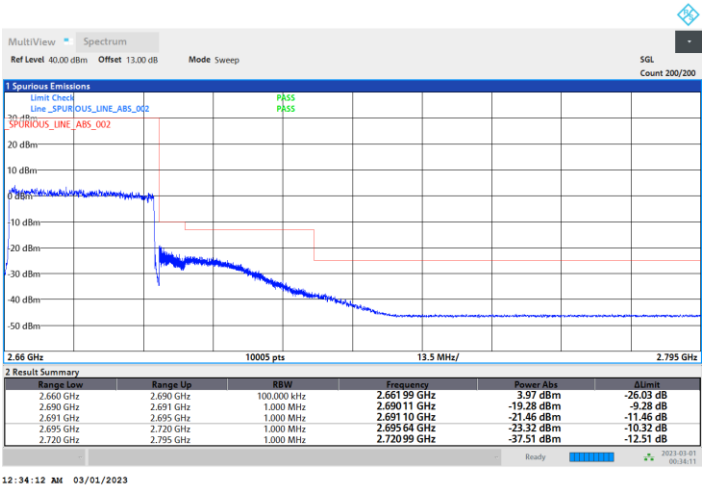
FR1 n41 / 30MHz / CP OFDM / 16QAM	
Highest Band Edge / Full RB	
	

FR1 n41 / 30MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

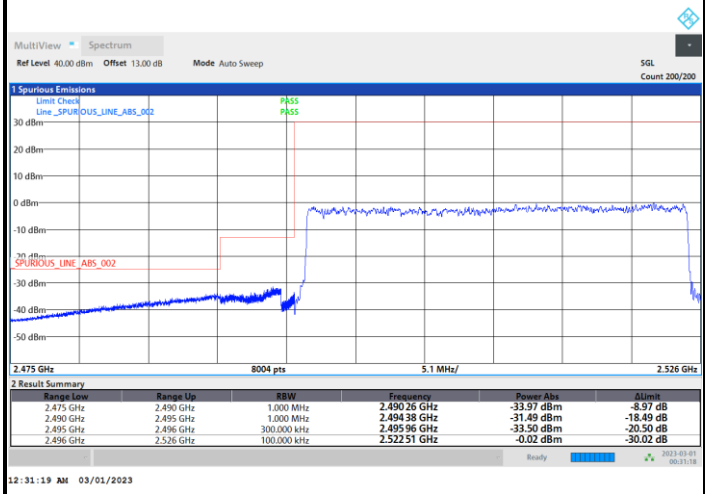


Highest Band Edge / Full RB

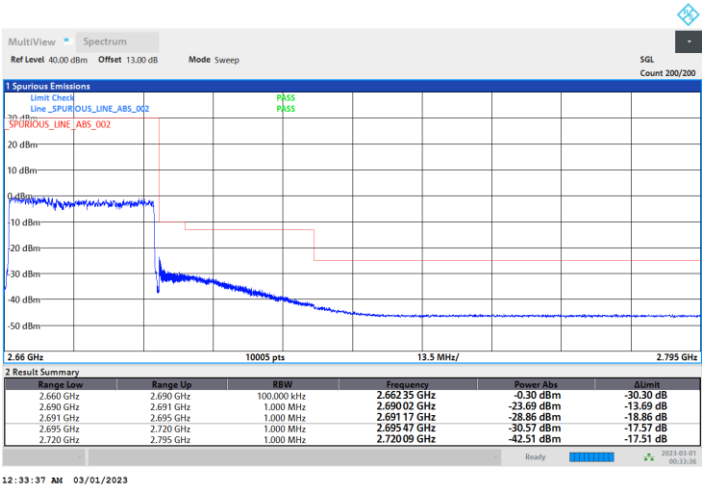


FR1 n41 / 30MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

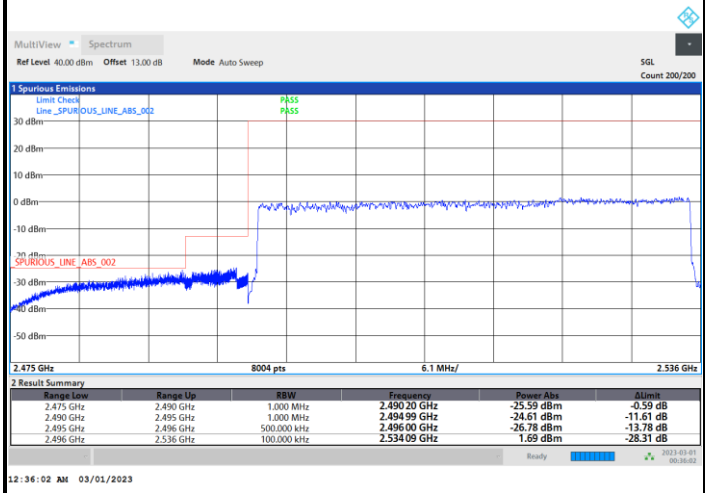


Highest Band Edge / Full RB

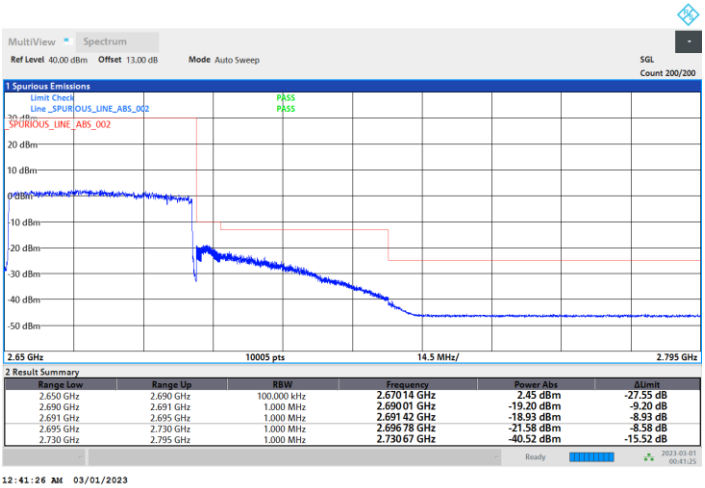


FR1 n41 / 40MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

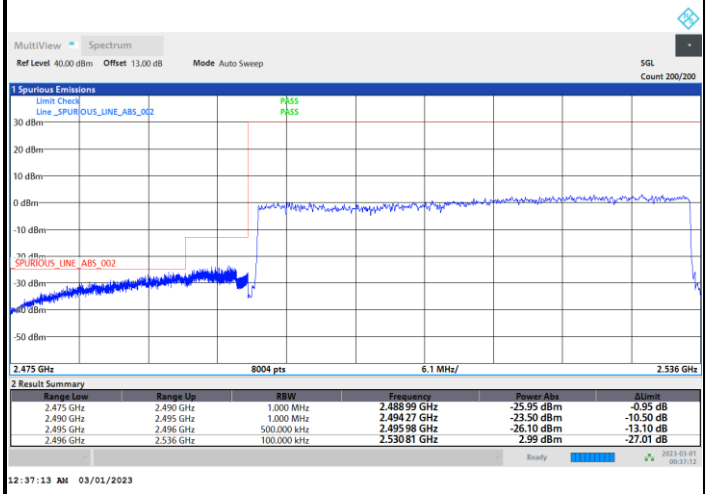


Highest Band Edge / Full RB

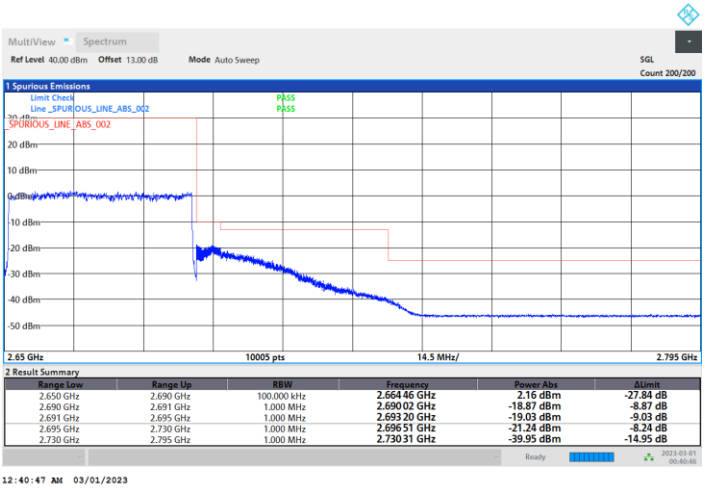


FR1 n41 / 40MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

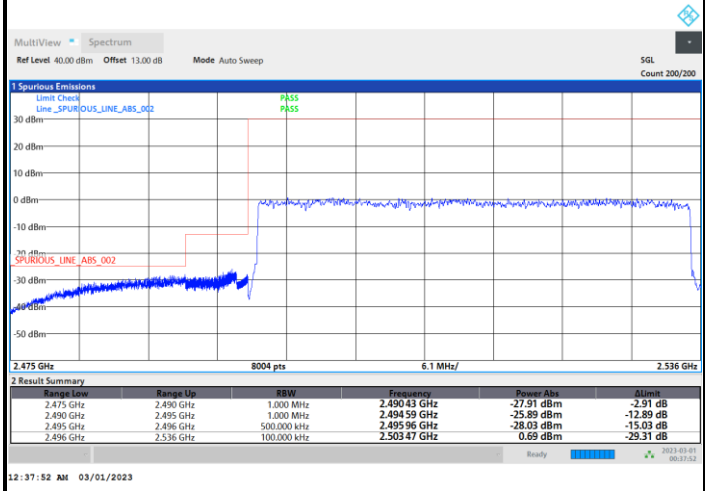


Highest Band Edge / Full RB

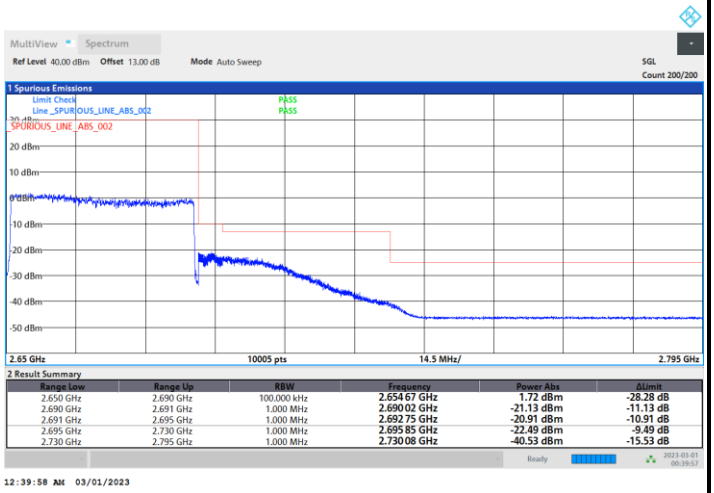


FR1 n41 / 40MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

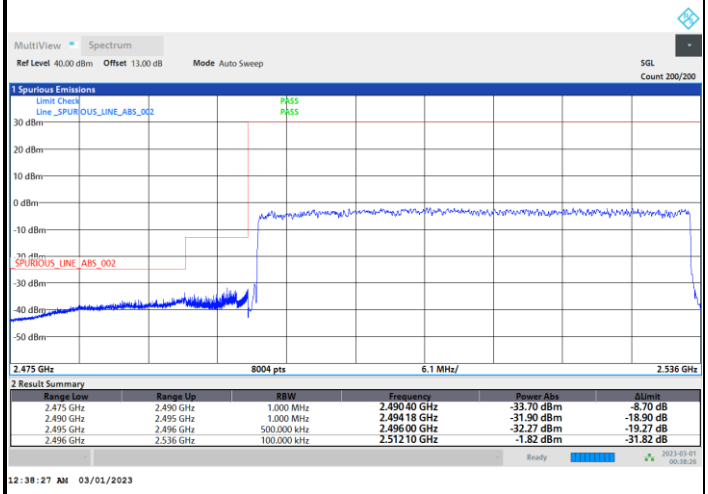


Highest Band Edge / Full RB

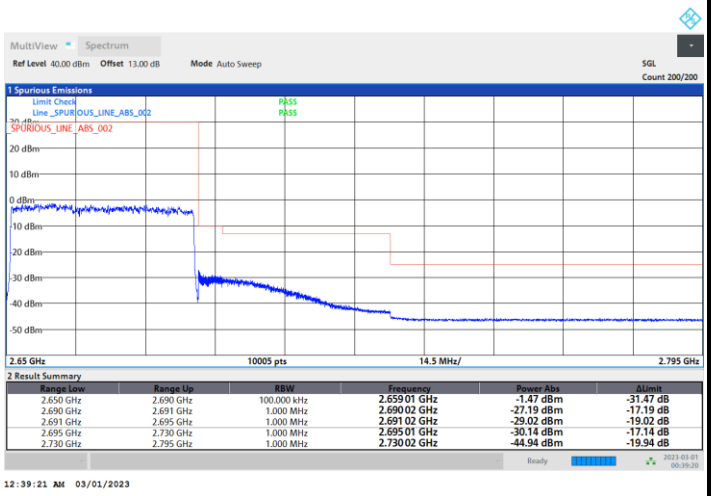


FR1 n41 / 40MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

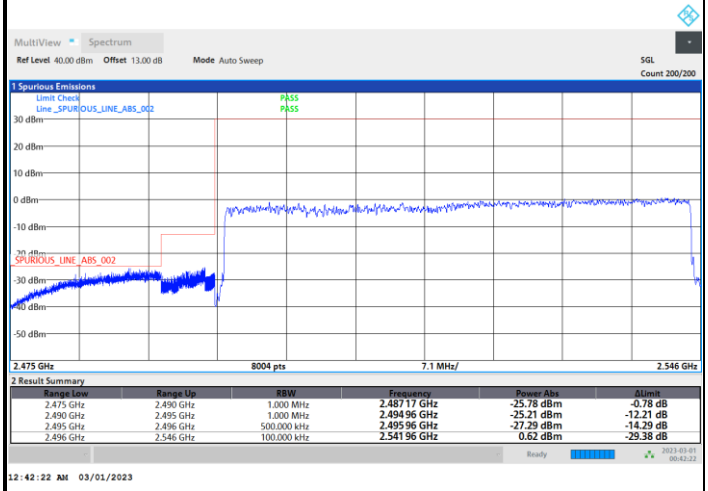


Highest Band Edge / Full RB

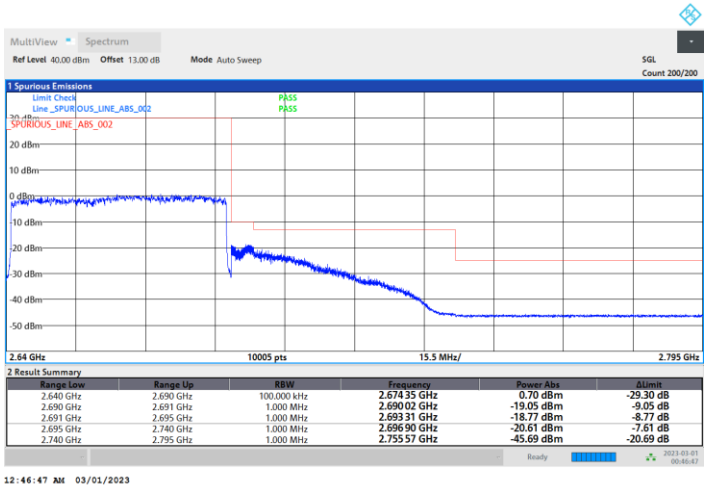


FR1 n41 / 50MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

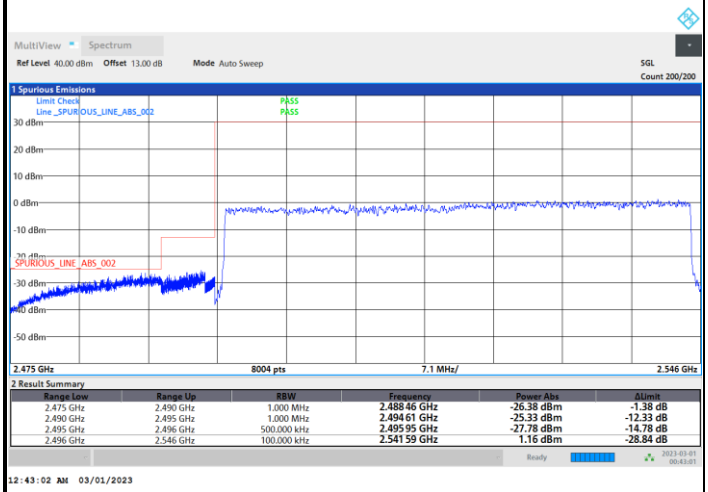


Highest Band Edge / Full RB

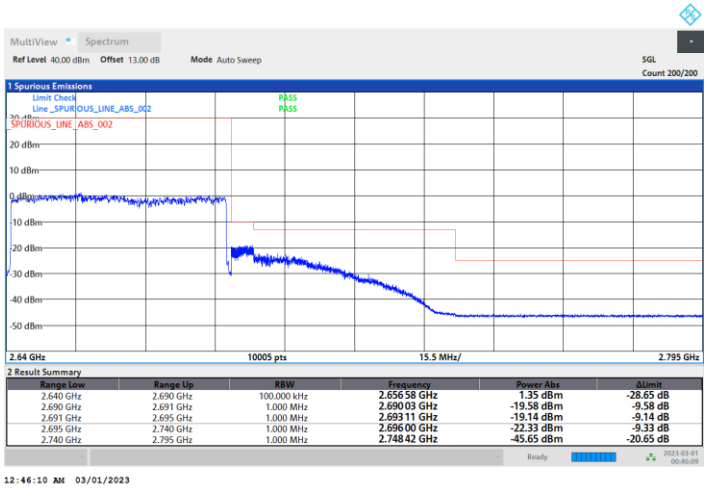


FR1 n41 / 50MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

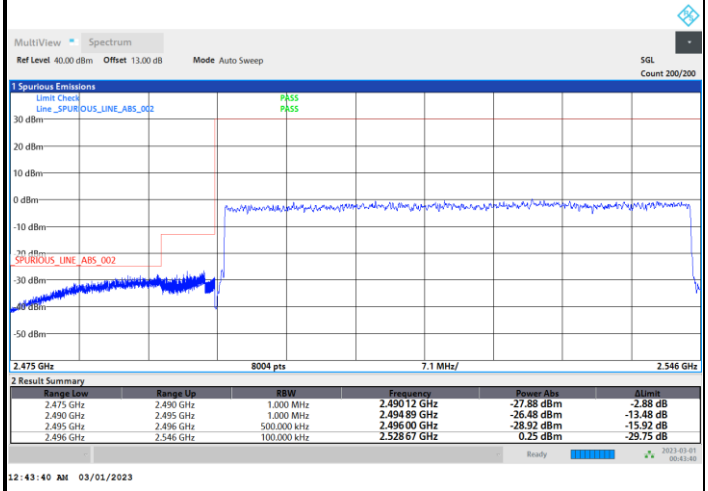


Highest Band Edge / Full RB

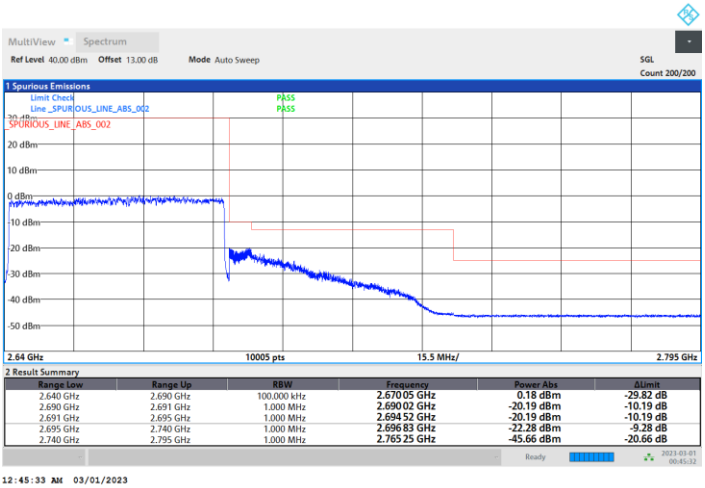


FR1 n41 / 50MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

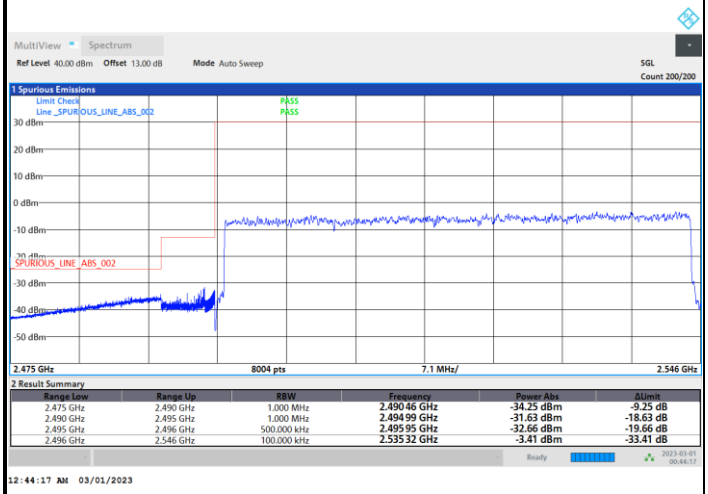


Highest Band Edge / Full RB

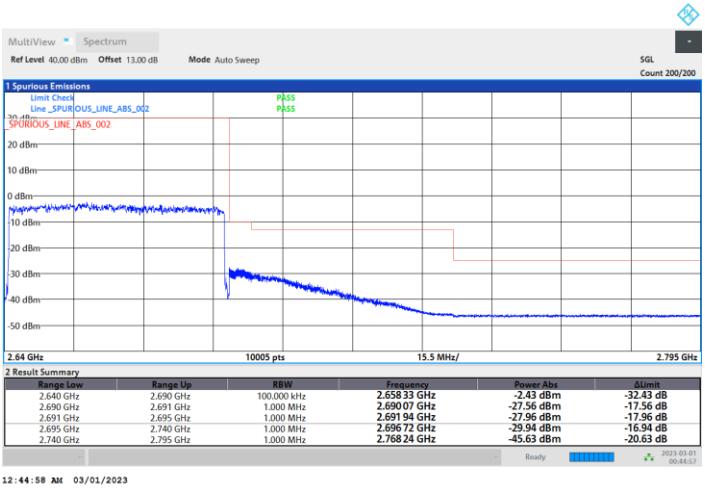


FR1 n41 / 50MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

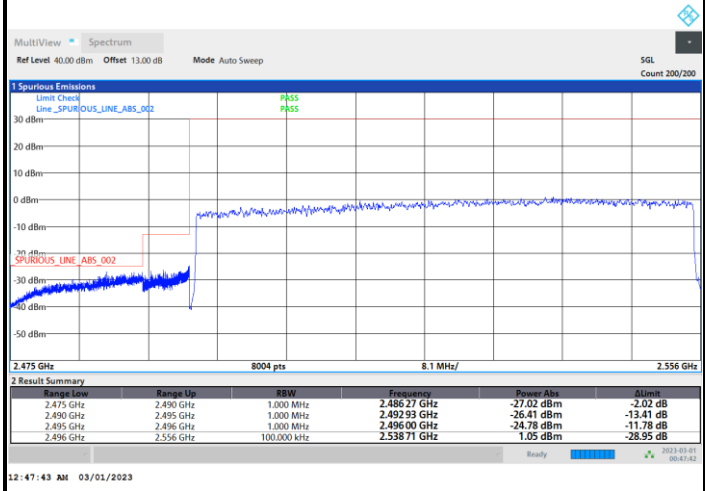


Highest Band Edge / Full RB

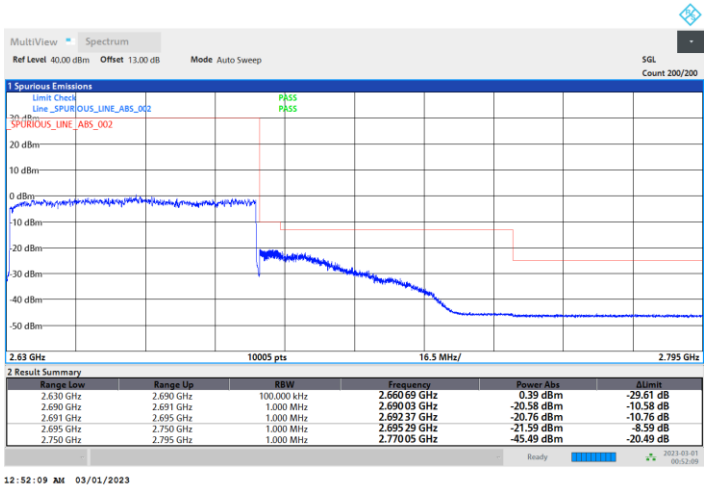


FR1 n41 / 60MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

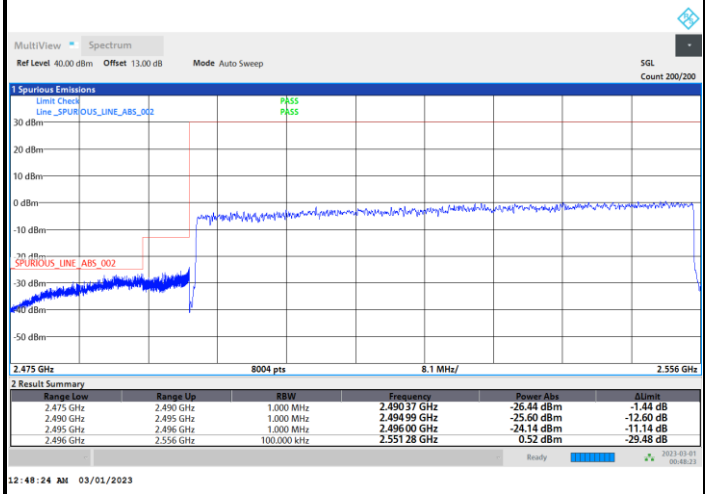


Highest Band Edge / Full RB

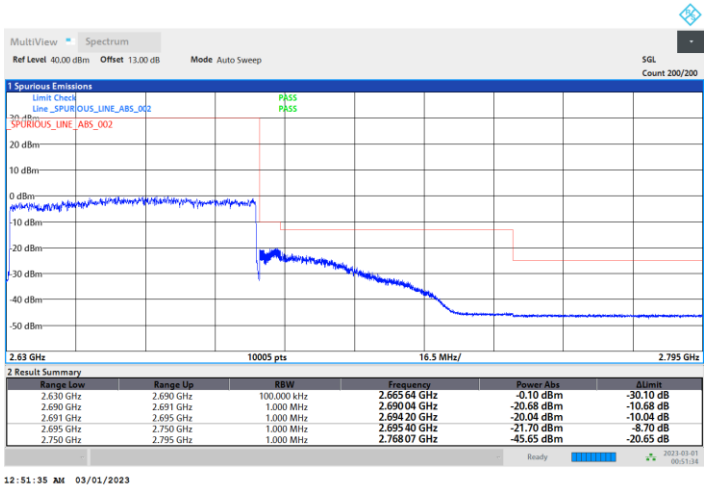


FR1 n41 / 60MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

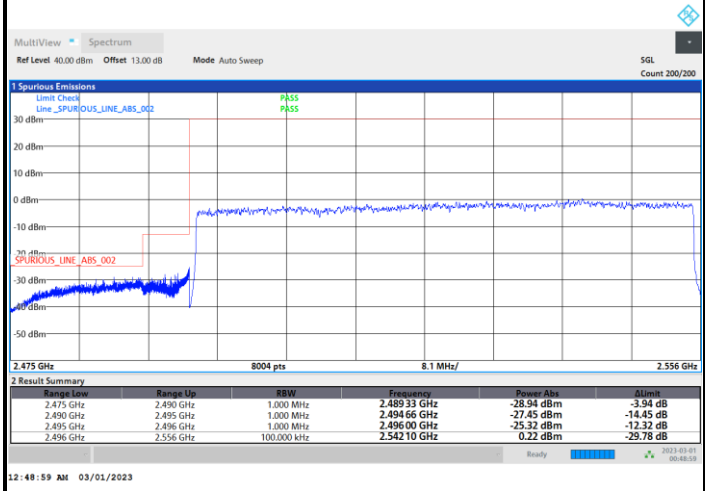


Highest Band Edge / Full RB

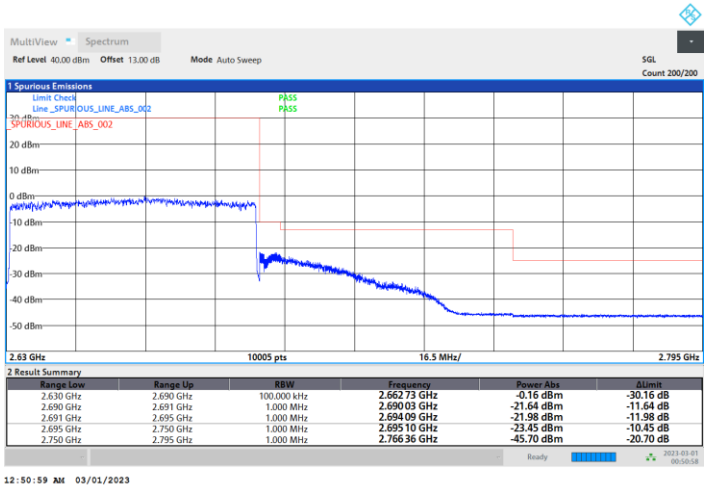


FR1 n41 / 60MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

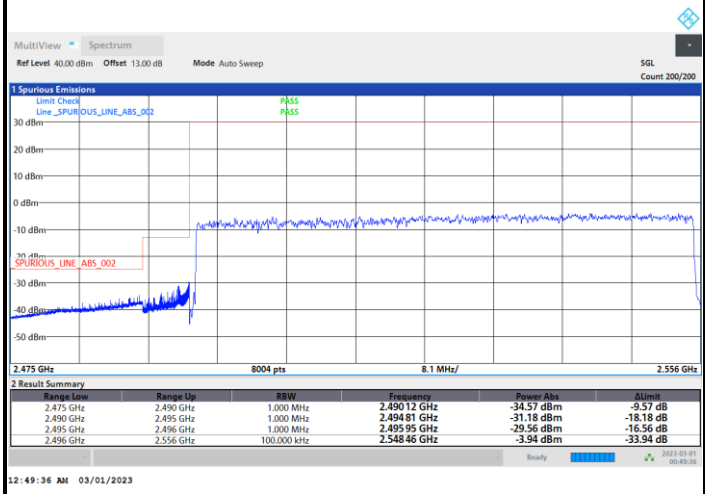


Highest Band Edge / Full RB

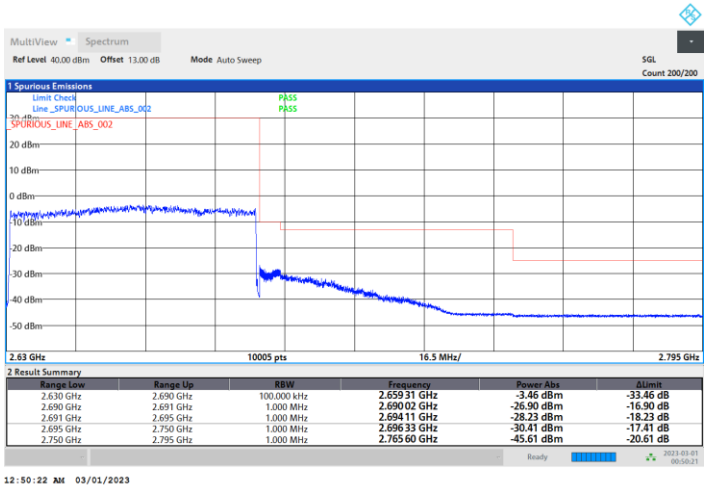


FR1 n41 / 60MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

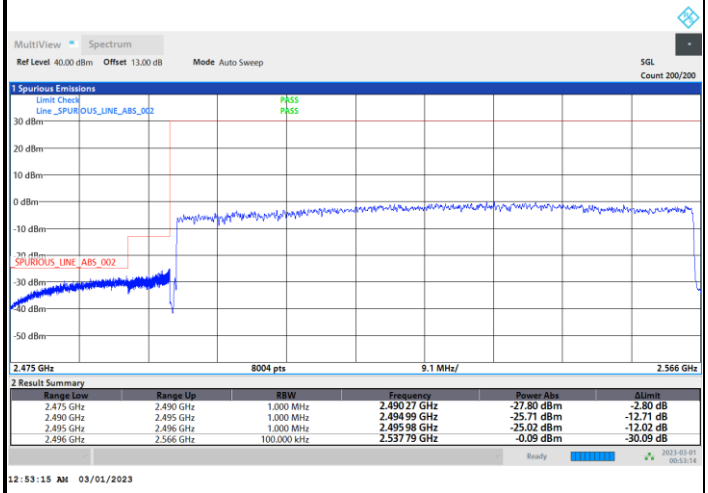


Highest Band Edge / Full RB

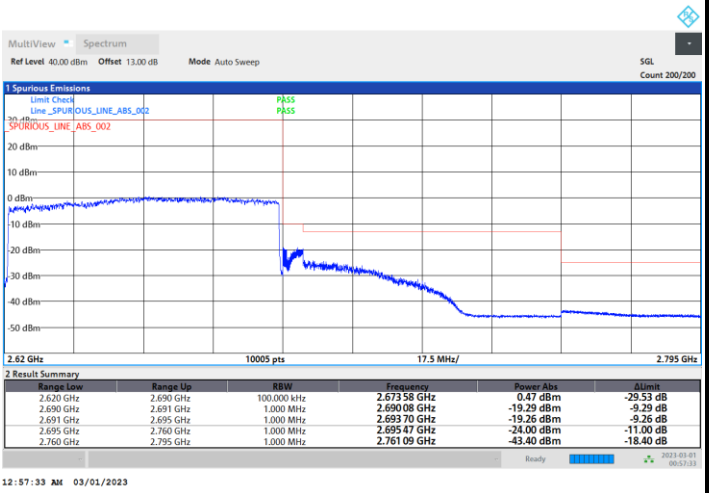


FR1 n41 / 70MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

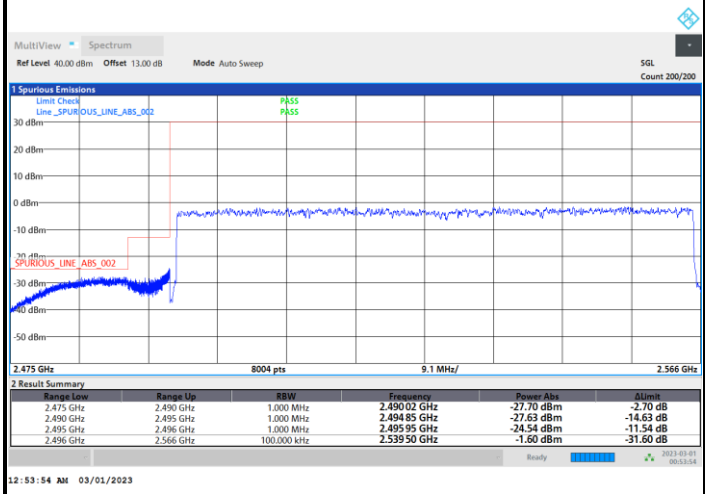


Highest Band Edge / Full RB

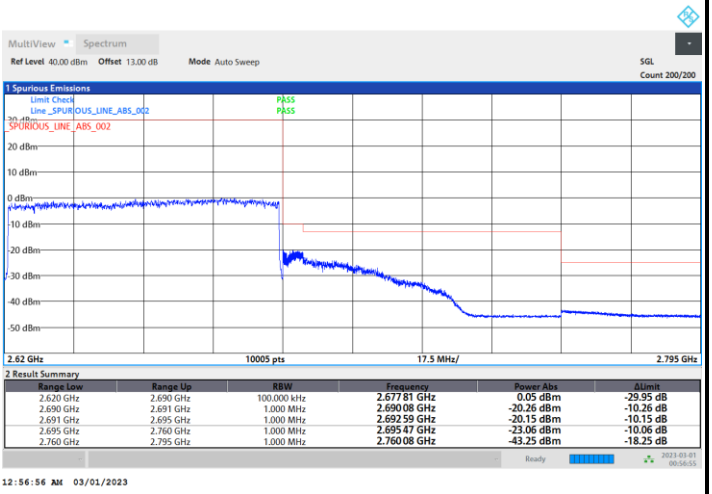


FR1 n41 / 70MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

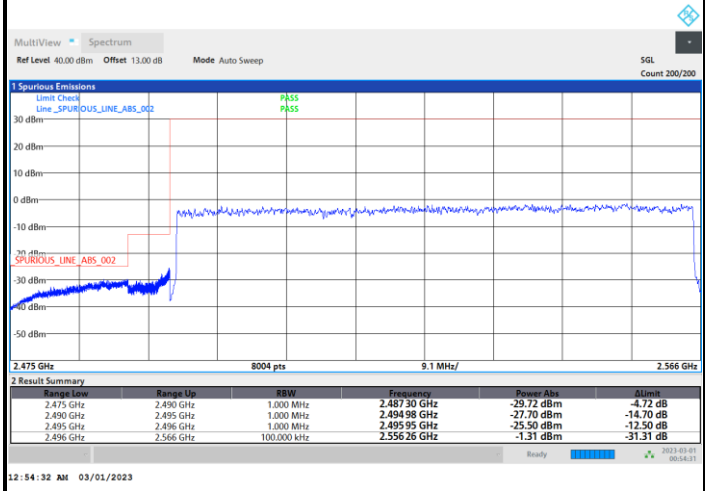


Highest Band Edge / Full RB

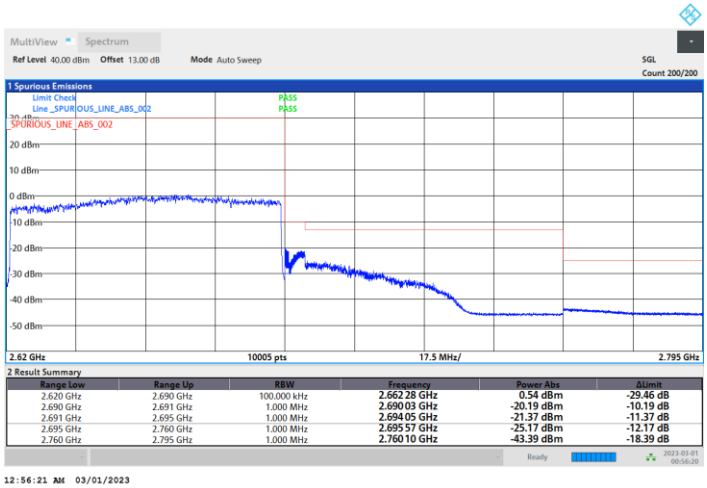


FR1 n41 / 70MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

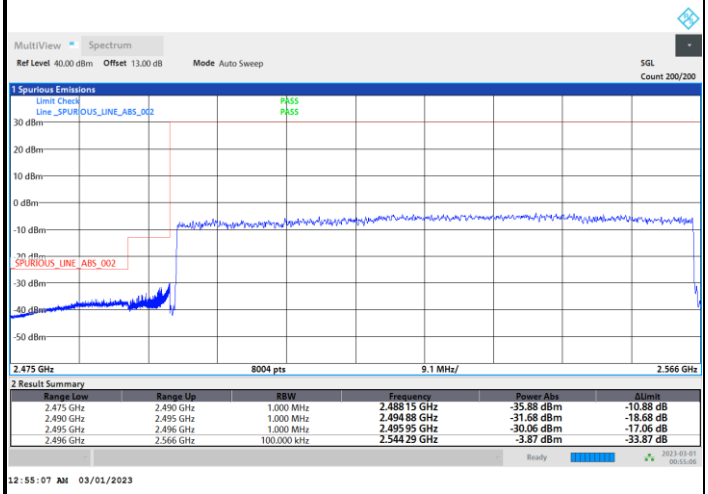


Highest Band Edge / Full RB

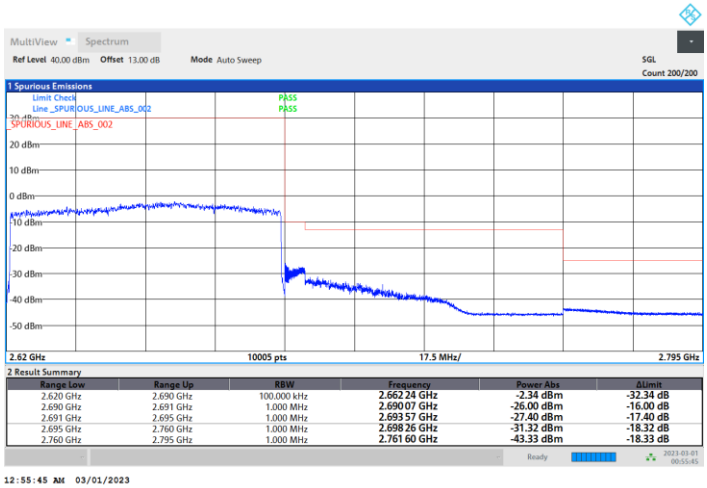


FR1 n41 / 70MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

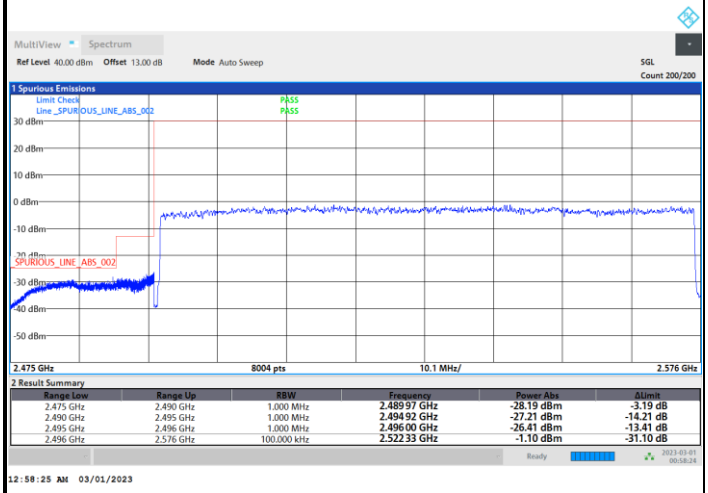


Highest Band Edge / Full RB

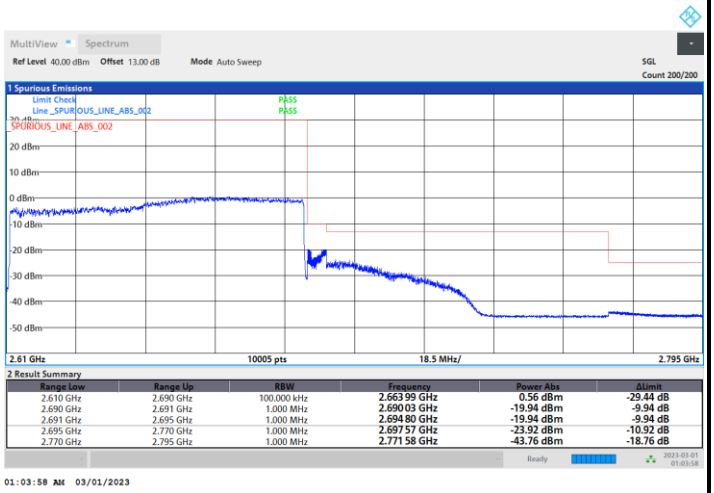


FR1 n41 / 80MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

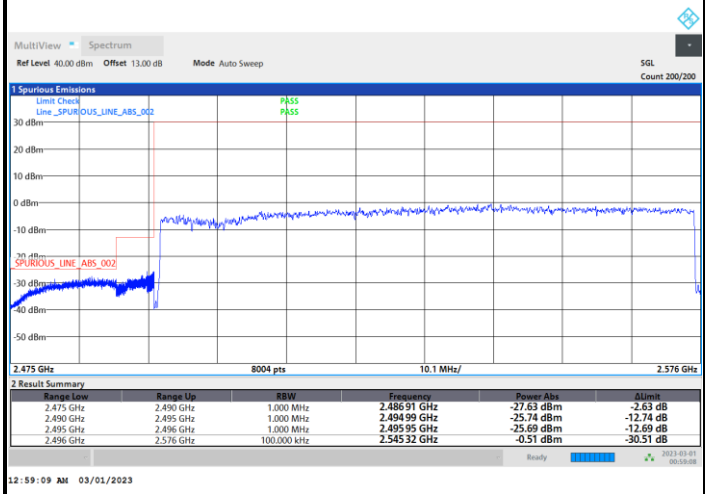


Highest Band Edge / Full RB

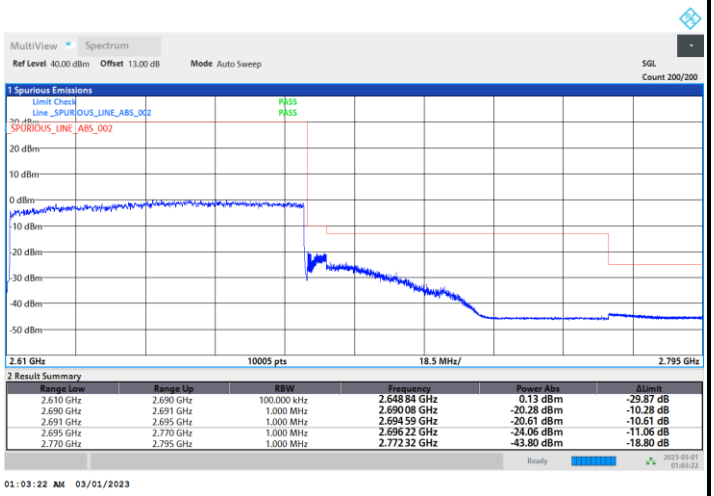


FR1 n41 / 80MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

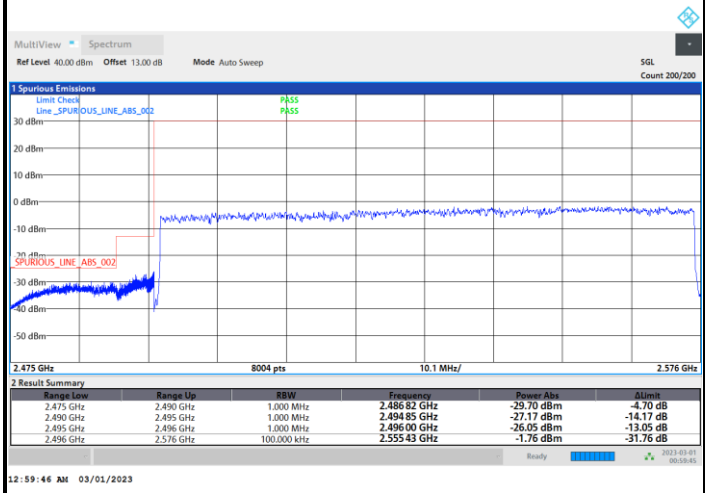


Highest Band Edge / Full RB

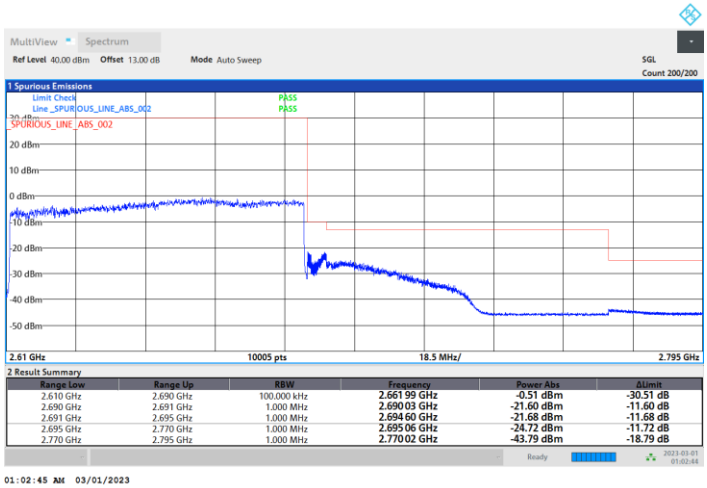


FR1 n41 / 80MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

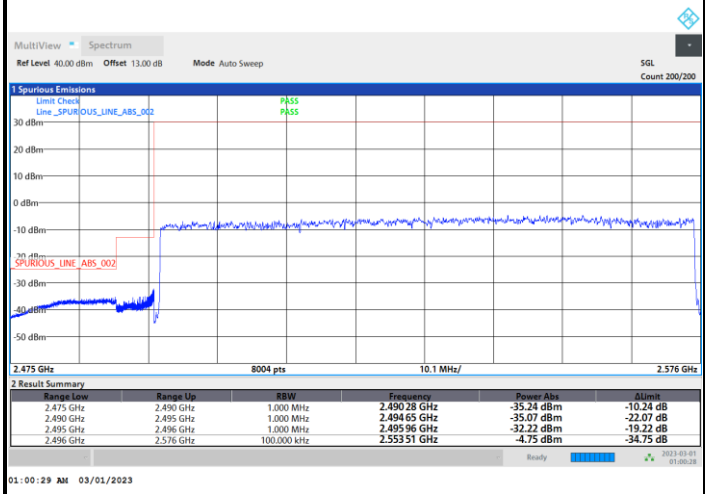


Highest Band Edge / Full RB

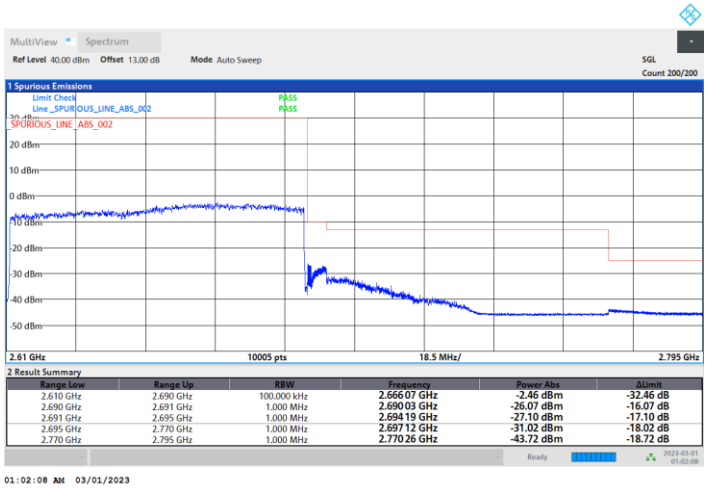


FR1 n41 / 80MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

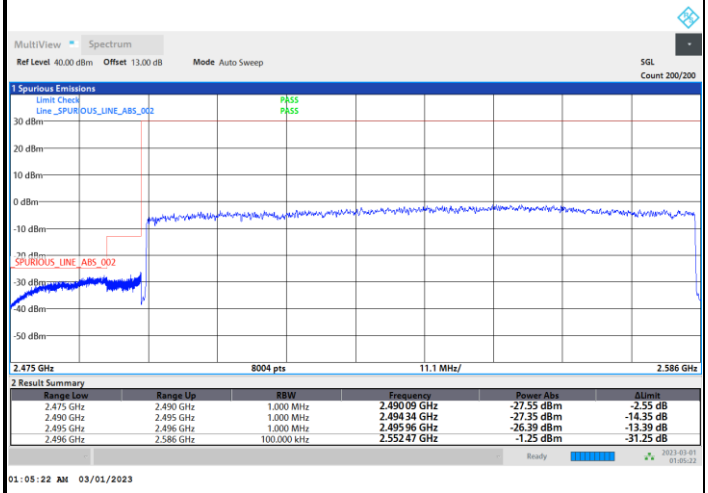


Highest Band Edge / Full RB

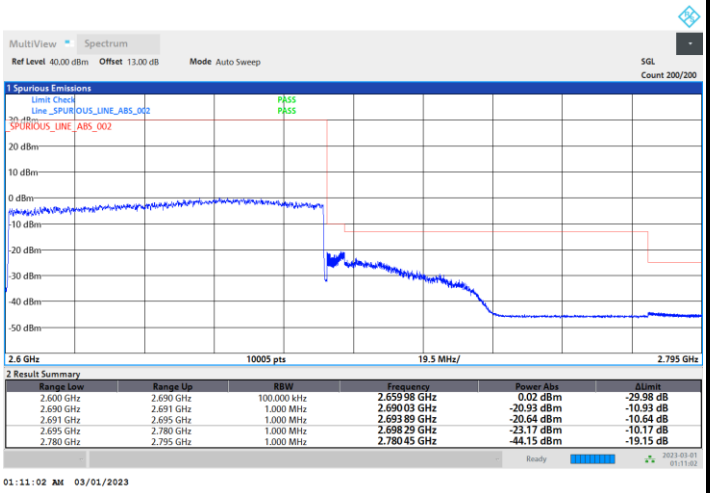


FR1 n41 / 90MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

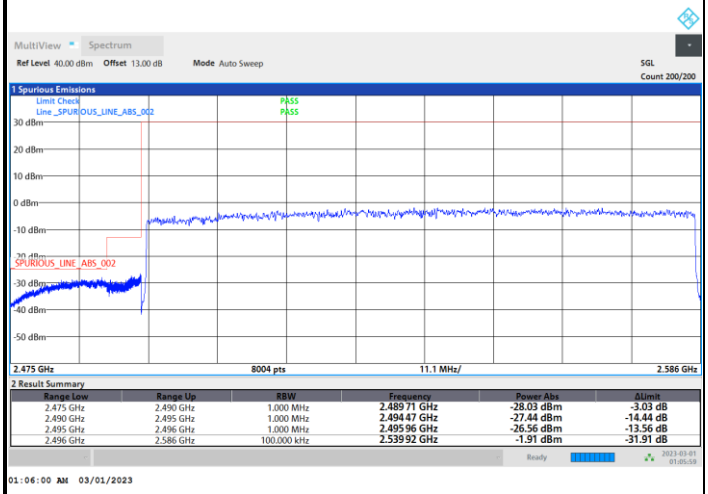


Highest Band Edge / Full RB

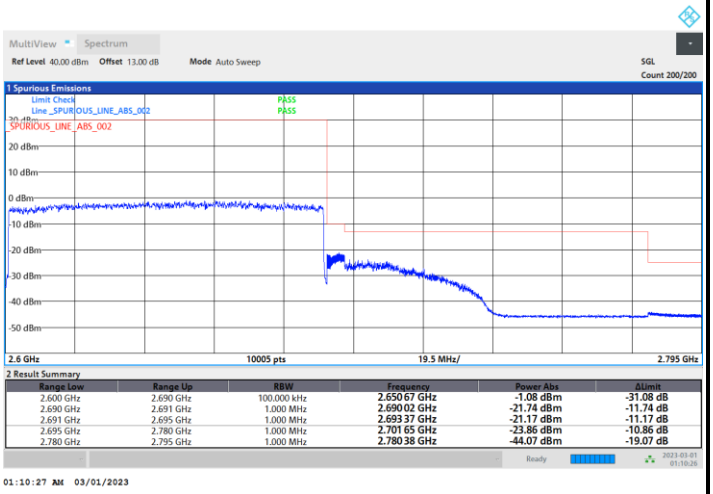


FR1 n41 / 90MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

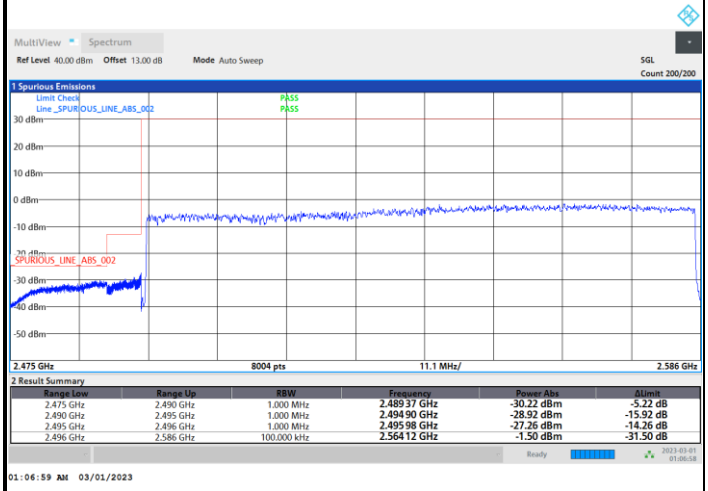


Highest Band Edge / Full RB

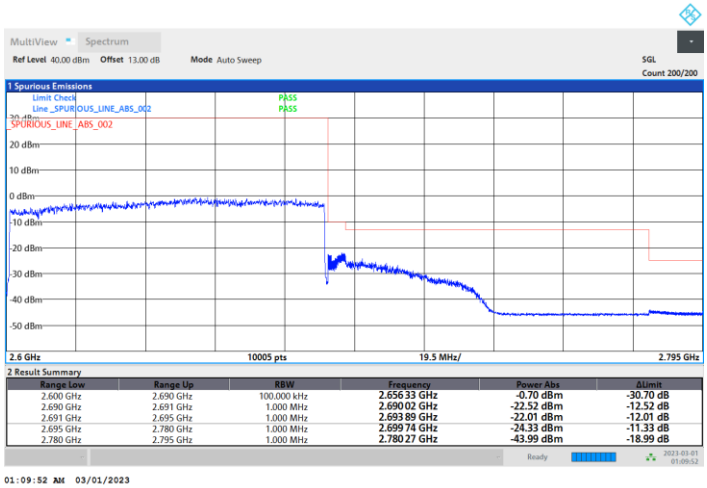


FR1 n41 / 90MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

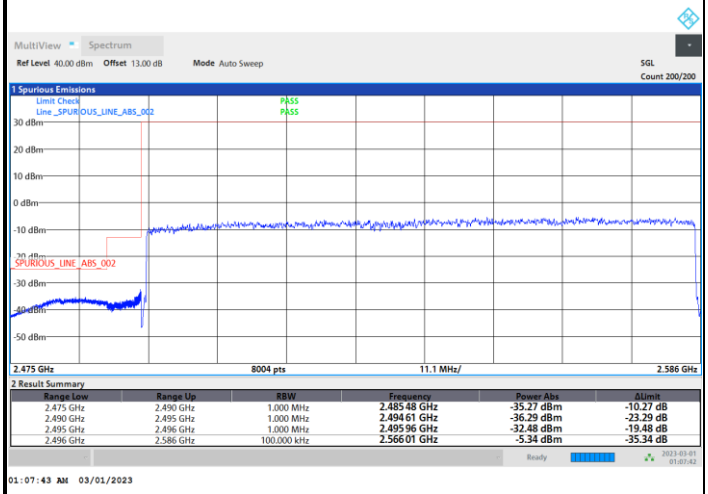


Highest Band Edge / Full RB

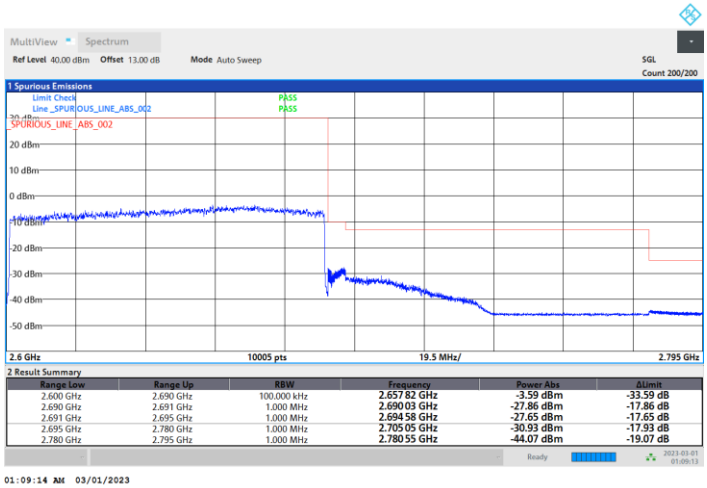


FR1 n41 / 90MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB

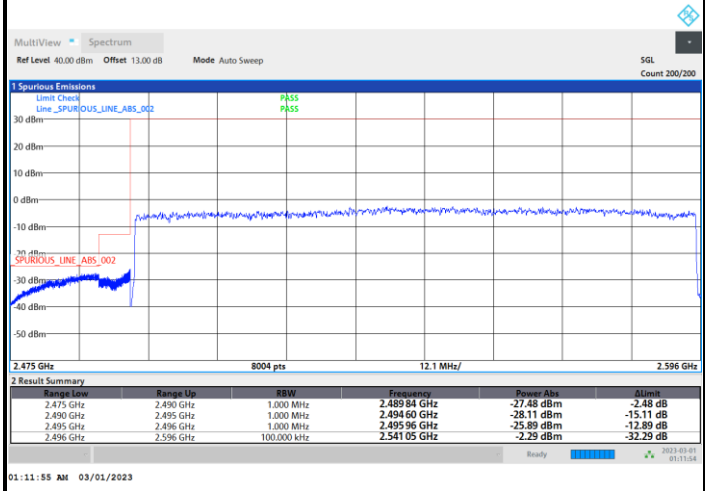


Highest Band Edge / Full RB

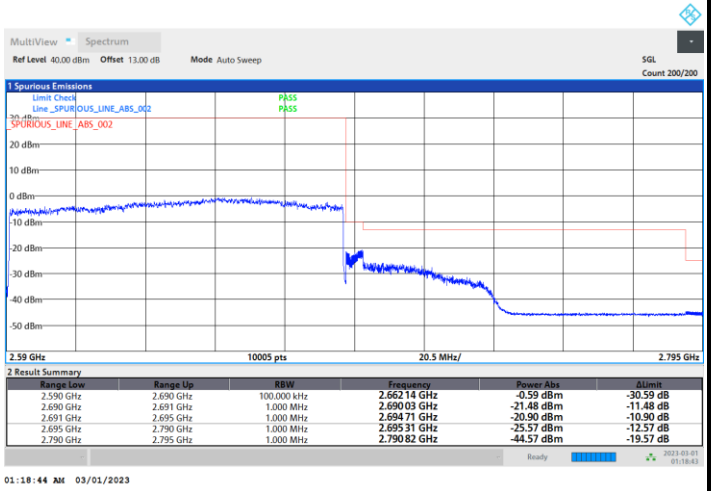


FR1 n41 / 100MHz / CP OFDM / QPSK

Lowest Band Edge / Full RB

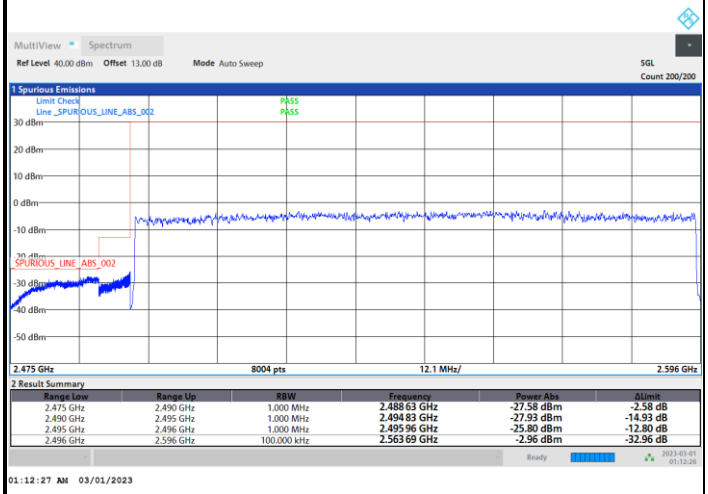


Highest Band Edge / Full RB

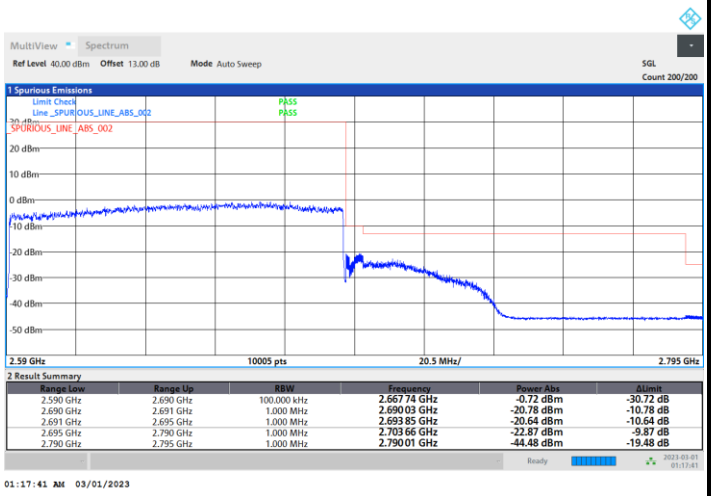


FR1 n41 / 100MHz / CP OFDM / 16QAM

Lowest Band Edge / Full RB

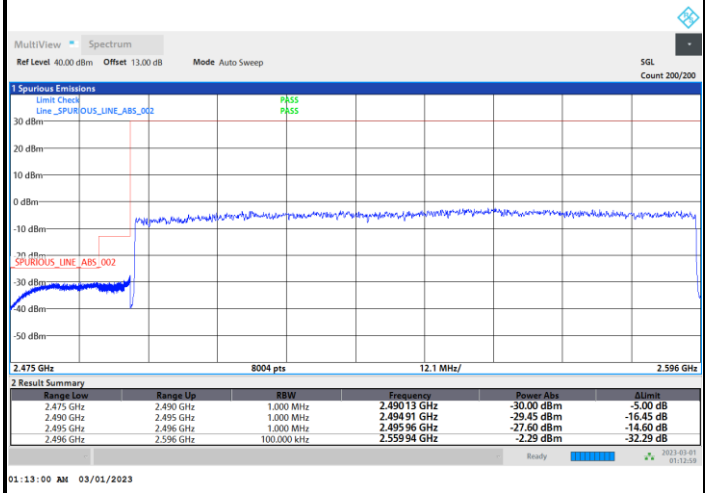


Highest Band Edge / Full RB

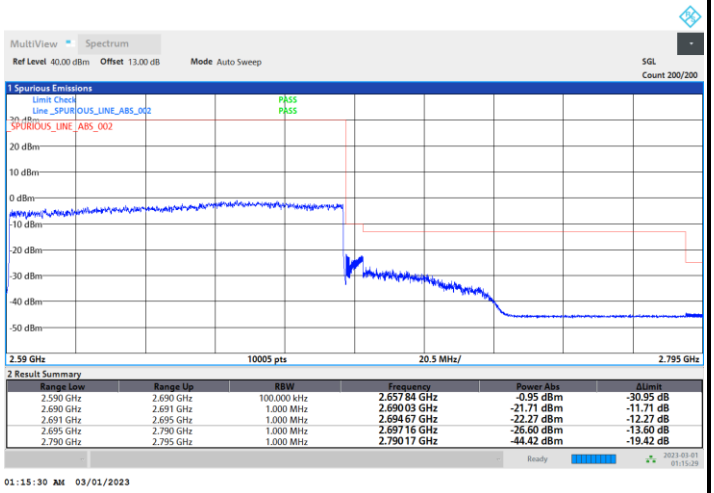


FR1 n41 / 100MHz / CP OFDM / 64QAM

Lowest Band Edge / Full RB

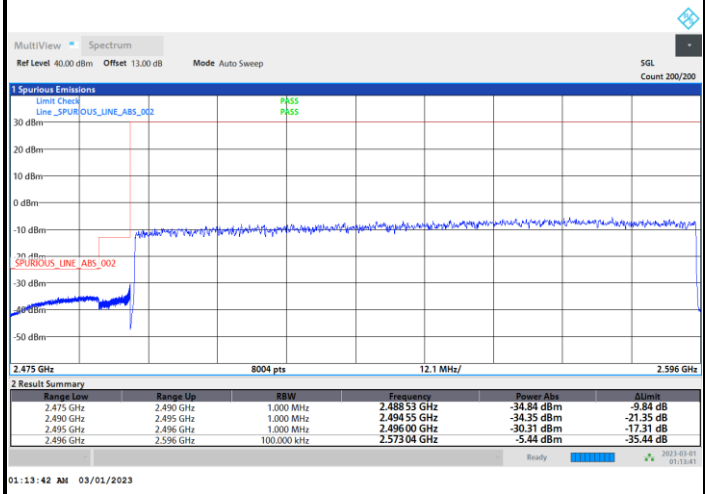


Highest Band Edge / Full RB

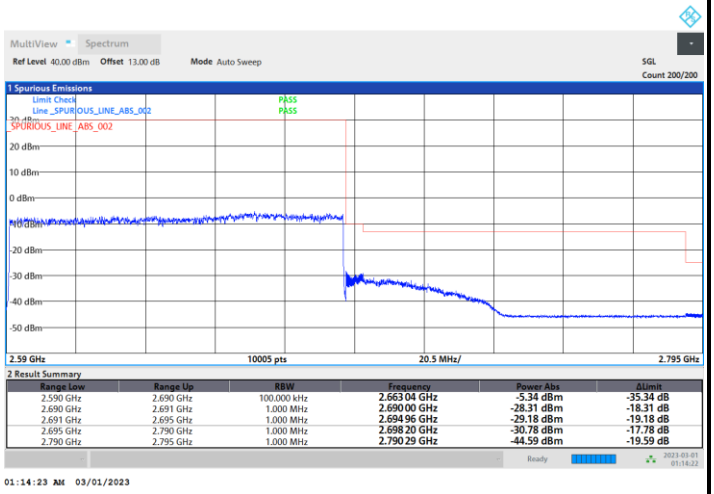


FR1 n41 / 100MHz / CP OFDM / 256QAM

Lowest Band Edge / Full RB



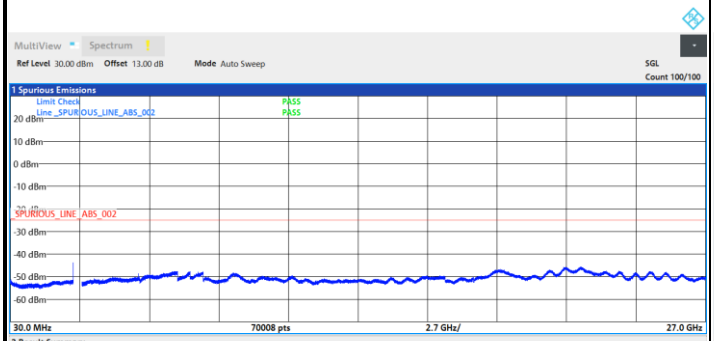
Highest Band Edge / Full RB



Conducted Spurious Emission

FR1 n41 / 10MHz / CP 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	40.788 55 MHz	-51.32 dBm	-26.32 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.473 34 GHz	-43.78 dBm	-18.78 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.992 14 GHz	-51.88 dBm	-26.88 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.414 26 GHz	-47.64 dBm	-22.64 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.483 13 GHz	-47.65 dBm	-22.65 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.933 31 GHz	-49.70 dBm	-24.70 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.195 18 GHz	-49.68 dBm	-24.68 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.161 17 GHz	-45.74 dBm	-20.74 dB

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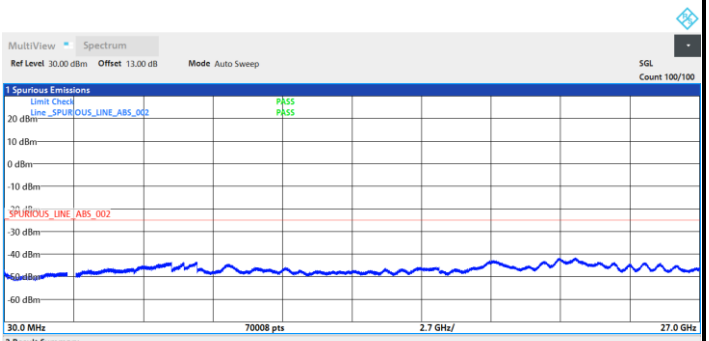
Middle Channel



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	35.212 45 MHz	-46.94 dBm	-21.94 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.283 11 GHz	-48.10 dBm	-23.10 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.983 37 GHz	-48.07 dBm	-23.07 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.988 20 GHz	-43.67 dBm	-18.67 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.473 00 GHz	-43.63 dBm	-18.63 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.945 31 GHz	-45.83 dBm	-20.83 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.104 79 GHz	-45.77 dBm	-20.77 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.174 67 GHz	-41.75 dBm	-16.75 dB

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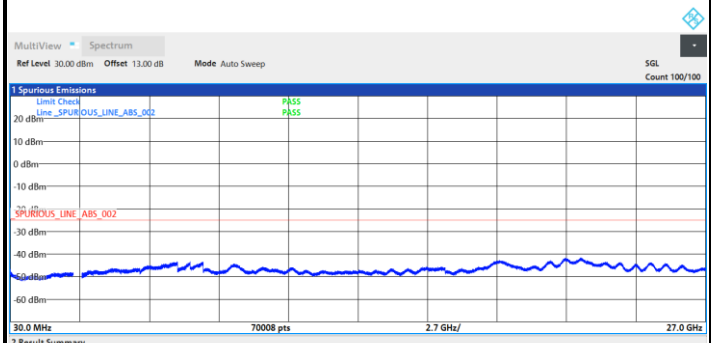
Highest Channel



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	34.970 01 MHz	-46.71 dBm	-21.71 dB
1.000 GHz	2.475 GHz	1.000 MHz	1.729 76 GHz	-48.14 dBm	-23.14 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.998 23 GHz	-48.01 dBm	-23.01 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.495 45 GHz	-43.38 dBm	-18.38 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.481 25 GHz	-43.52 dBm	-18.52 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.987 30 GHz	-45.98 dBm	-20.98 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.152 38 GHz	-45.63 dBm	-20.63 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.158 02 GHz	-41.64 dBm	-16.64 dB

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Frequency Stability

Test Conditions		FR1 n41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0033	PASS
40	Normal Voltage	0.0000	
30	Normal Voltage	0.0020	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0036	
-10	Normal Voltage	0.0033	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0015	

Note:

1. Normal Voltage = 4.2 V.；Battery End Point (BEP) = 3.4 V.；Maximum Voltage = 4.3 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

FR1 n66

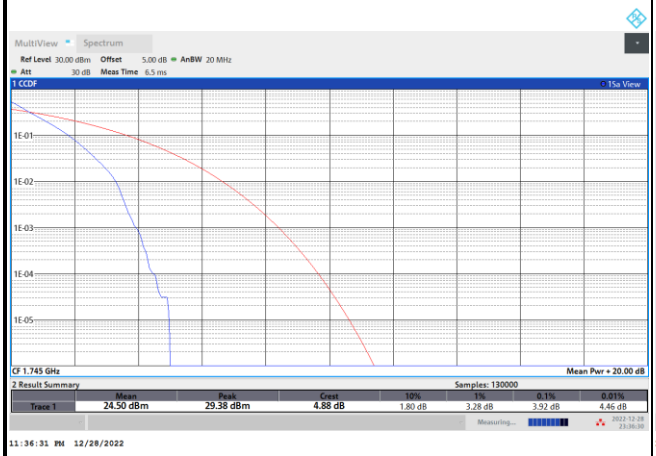
<OAI 2 Antenna>

Peak-to-Average Ratio

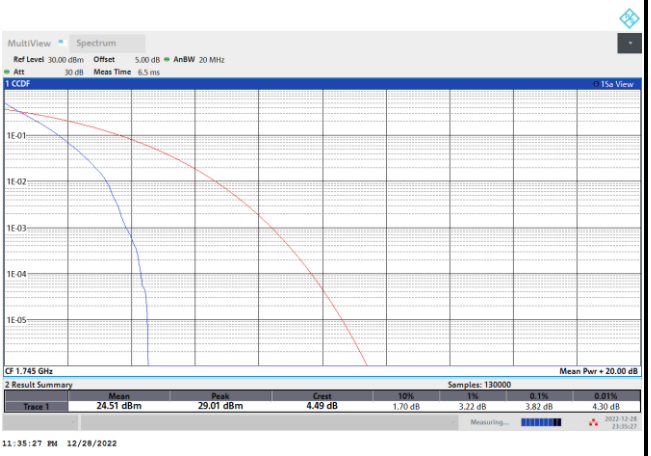
Mode	FR1 n66 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	3.92	3.82	5.76	6.00	PASS
Mode	FR1 n66 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.70				PASS

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

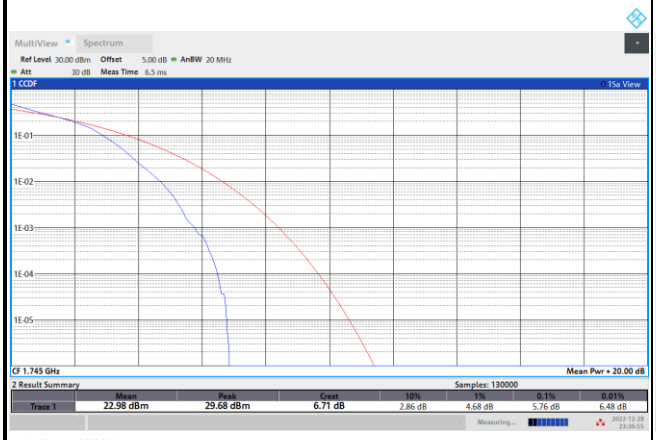
PI/2 BPSK



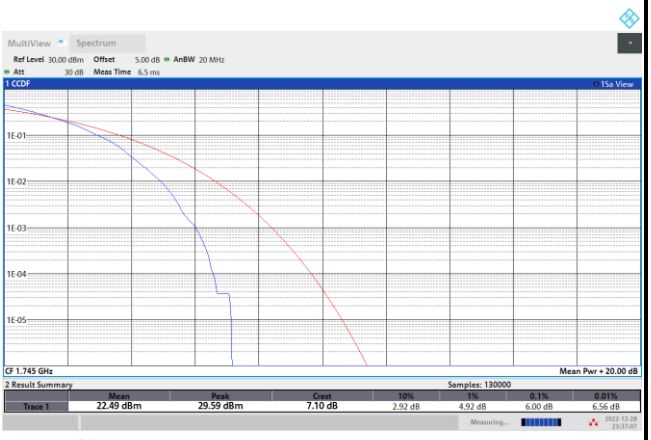
QPSK



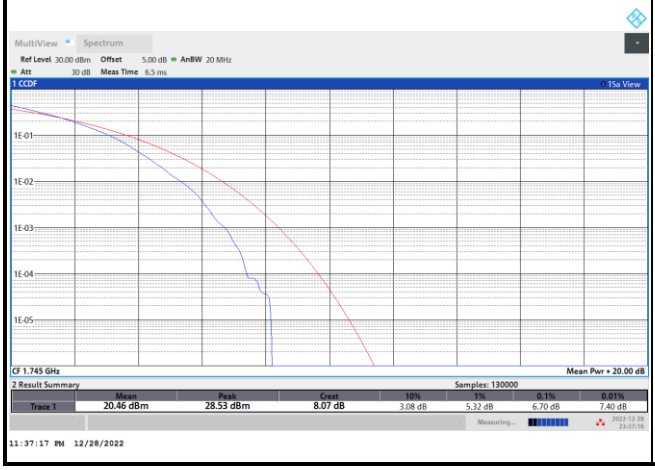
16QAM



64QAM



256QAM



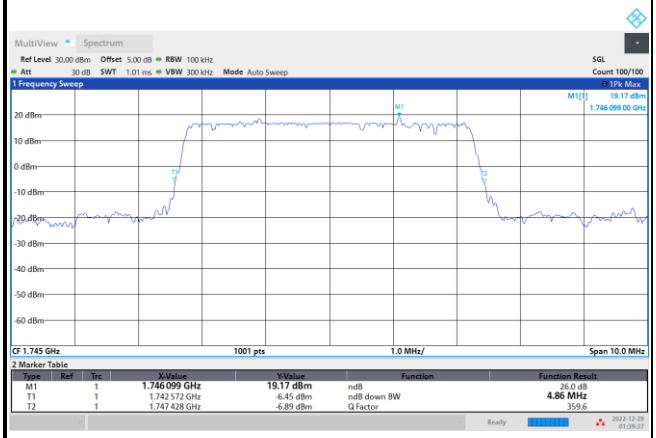
26dB Bandwidth

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	4.86		9.43		14.27		18.94	
BW	25MHz		30MHz		40MHz			
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK			
Middle CH	23.78		29.61		40.92			

Mode	FR1 n66 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.88	4.89	9.87	9.81	14.96	14.96	19.82	20.06
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.92	4.86	9.67	9.75	14.99	14.93	19.90	19.90
BW	25MHz		30MHz		40MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Middle CH	24.83	24.73	29.61	29.61	41.08	41.08		
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM		
Middle CH	24.78	24.78	29.61	29.49	41.16	41.16		

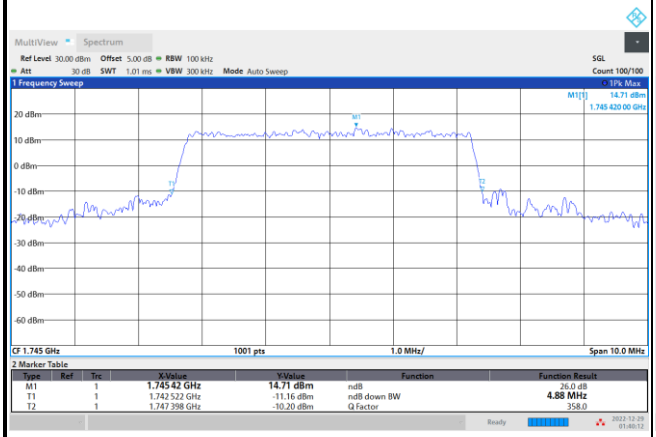
FR1 n66 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

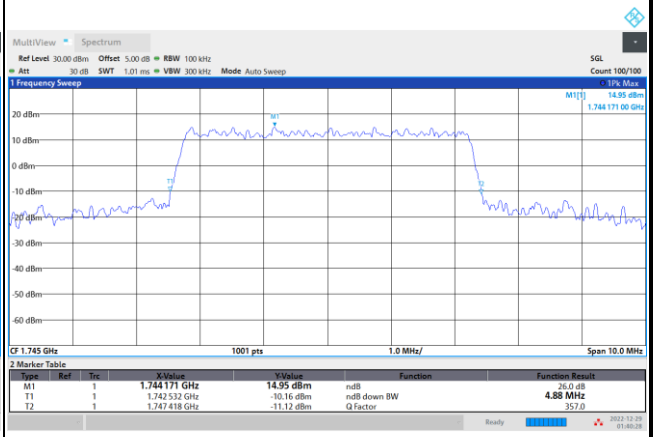


FR1 n66 / 5MHz / CP OFDM / Middle Channel / Full RB

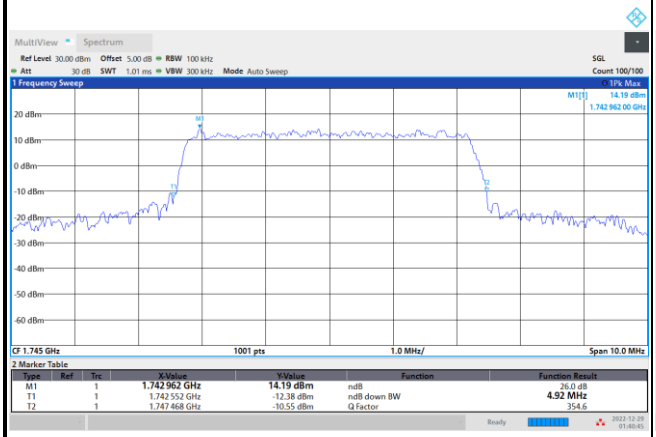
QPSK



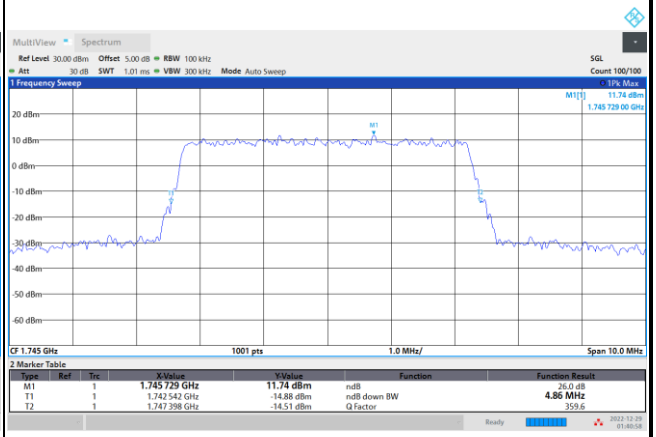
16QAM



64QAM

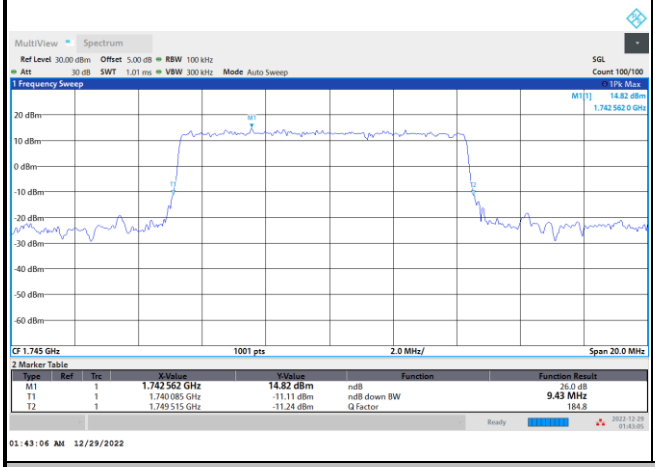


256QAM



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

PI/2 BPSK

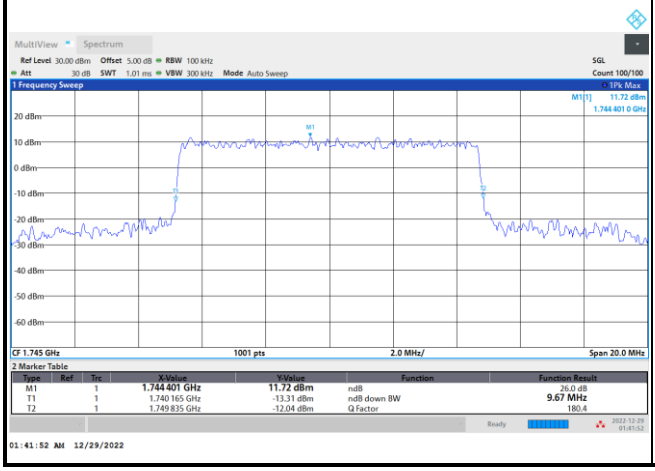


FR1 n66 / 10MHz / CP OFDM / Middle Channel / Full RB

QPSK

16QAM

64QAM



256QAM