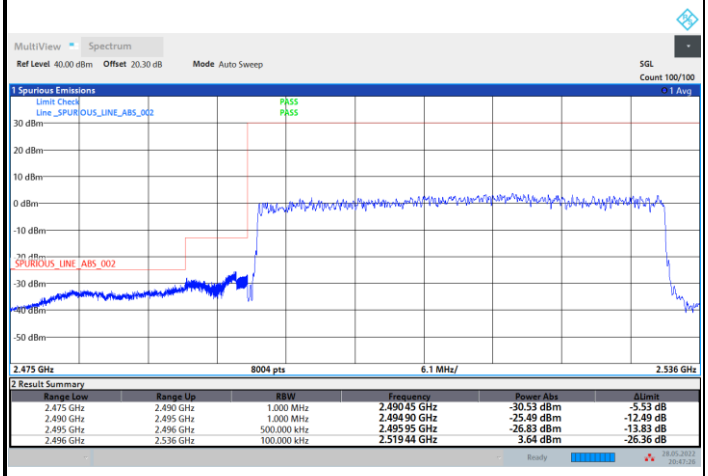
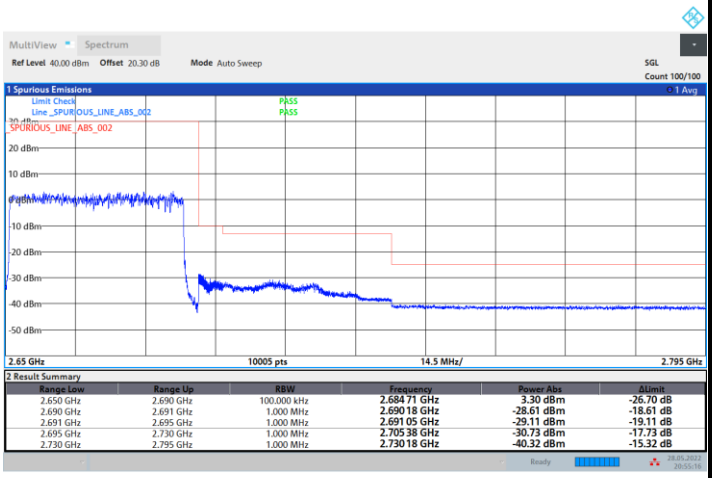
FR1 n41 / 40MHz / DFT-S OFDM / PI/2 BPSK / Full RB

Lowest Band Edge

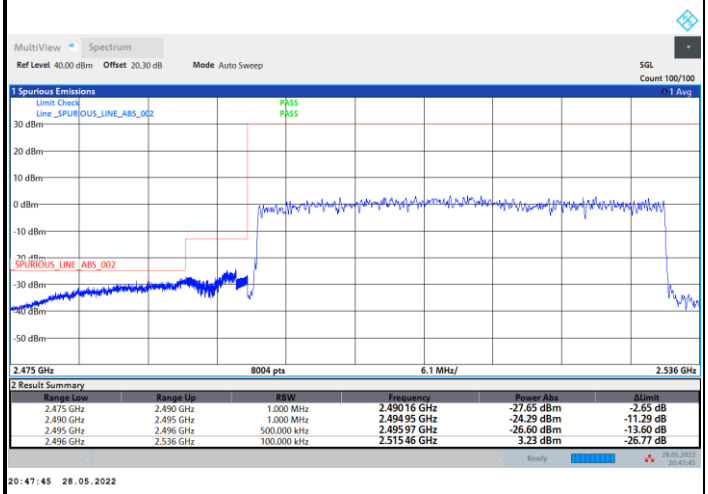


Highest Band Edge

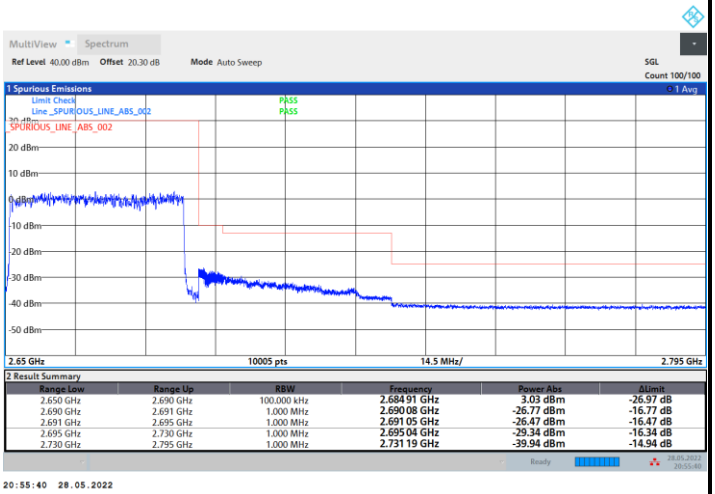


FR1 n41 / 40MHz / DFT-S OFDM / QPSK / Full RB

Lowest Band Edge

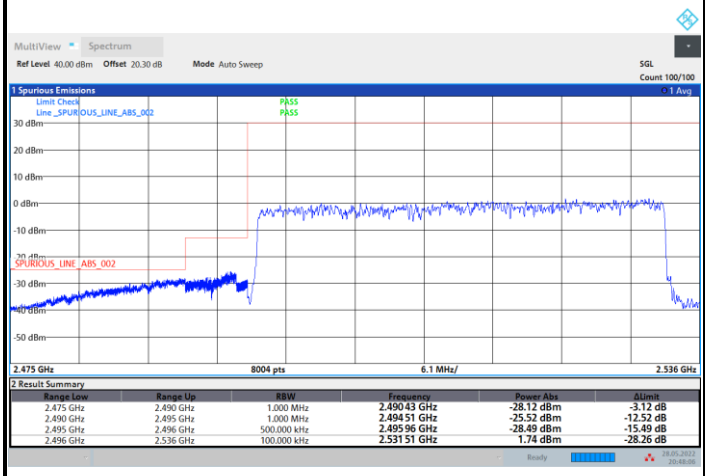


Highest Band Edge

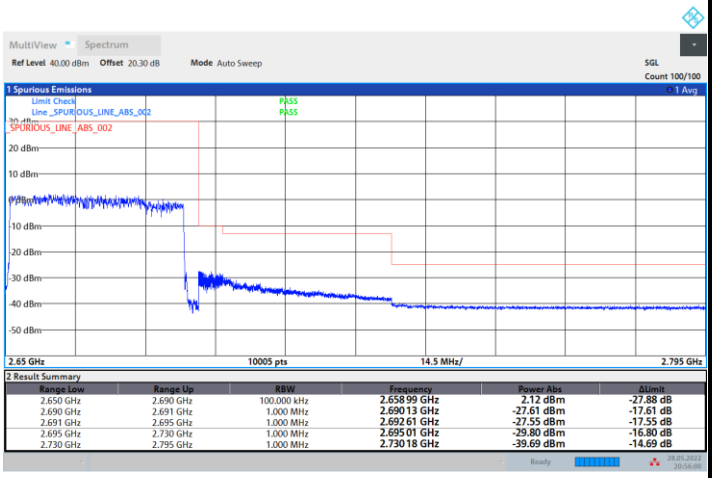


FR1 n41 / 40MHz / DFT-S OFDM / 16QAM / Full RB

Lowest Band Edge

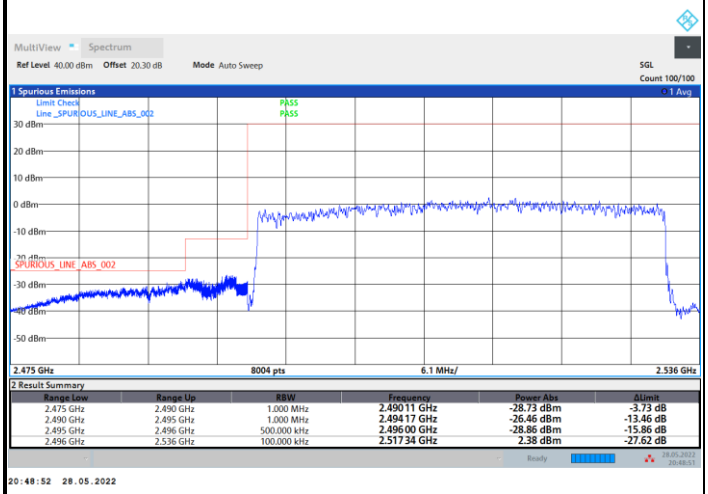


Highest Band Edge

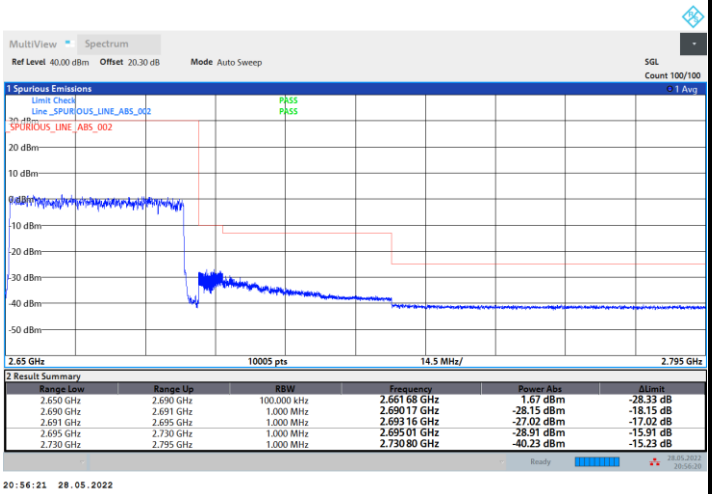


FR1 n41 / 40MHz / DFT-S OFDM / 64QAM / Full RB

Lowest Band Edge

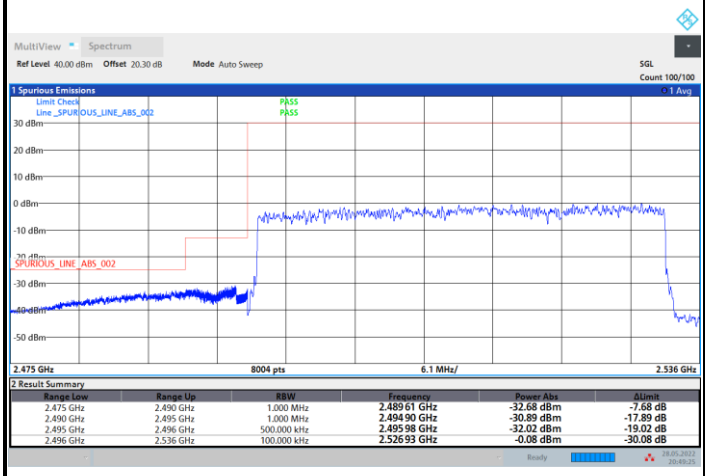


Highest Band Edge

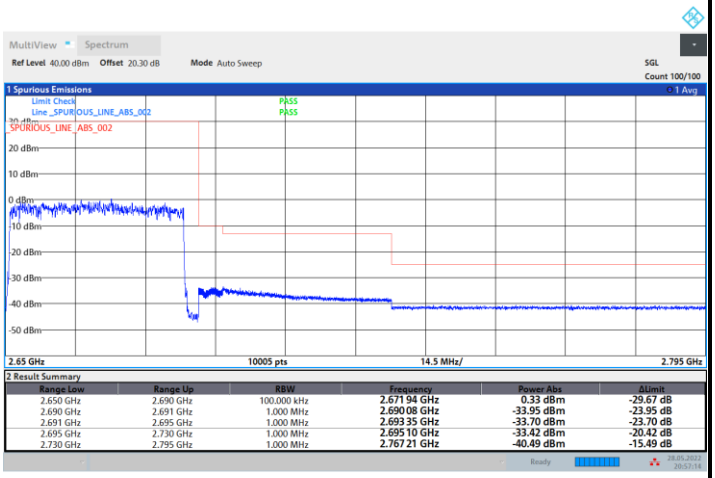


FR1 n41 / 40MHz / DFT-S OFDM / 256QAM / Full RB

Lowest Band Edge

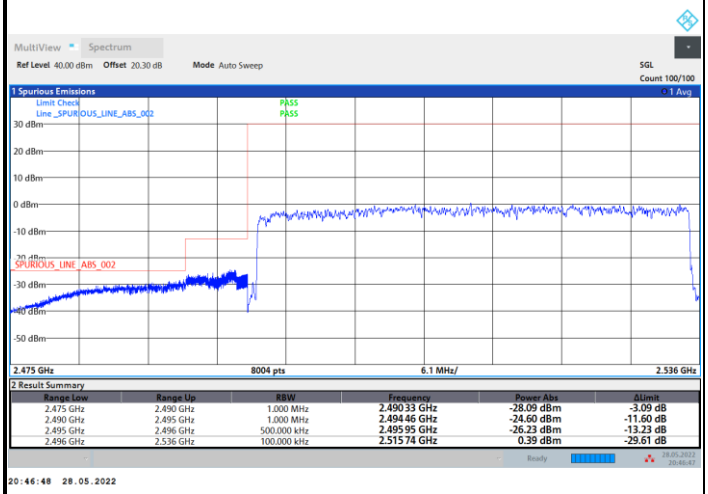


Highest Band Edge

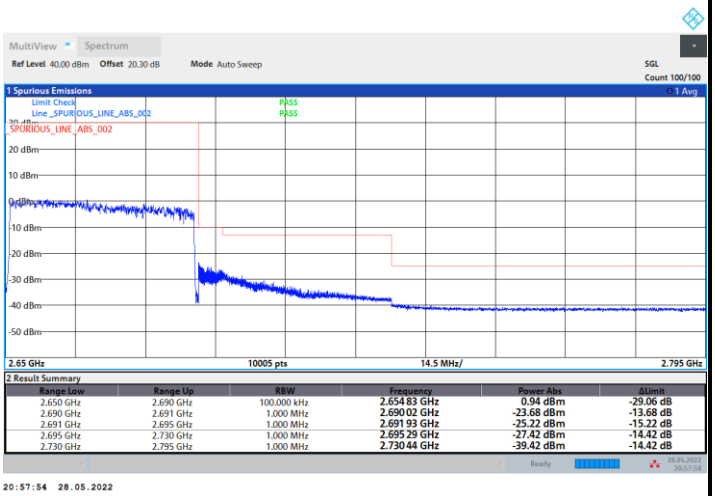


FR1 n41 / 40MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

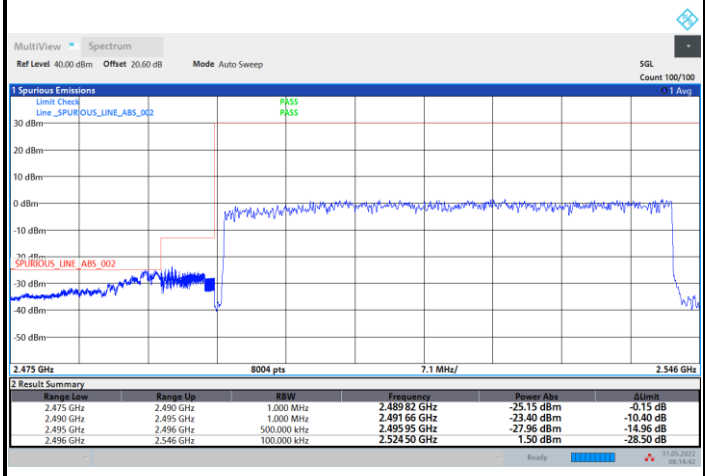


Highest Band Edge

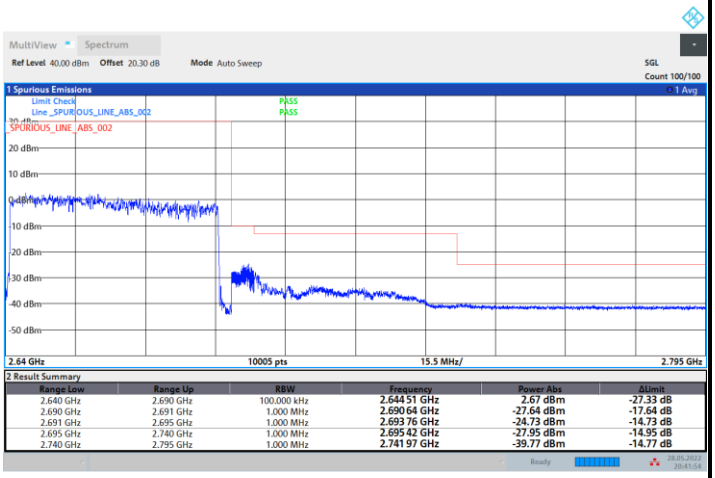


FR1 n41 / 50MHz / DFT-S OFDM / PI/2 BPSK / Full RB

Lowest Band Edge

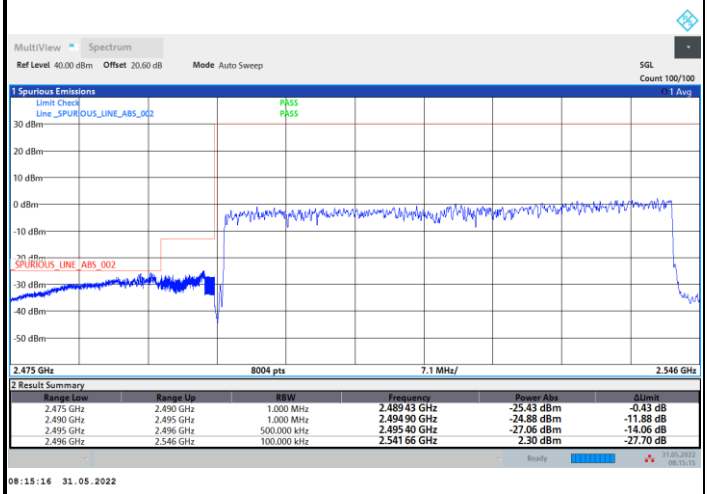


Highest Band Edge

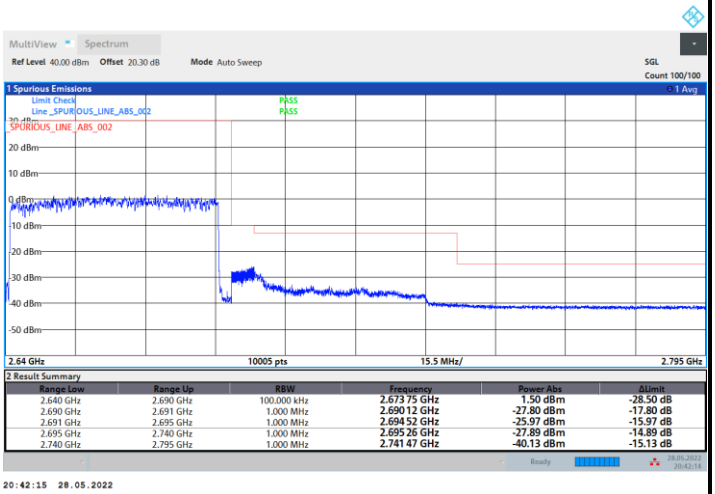


FR1 n41 / 50MHz / DFT-S OFDM / QPSK / Full RB

Lowest Band Edge

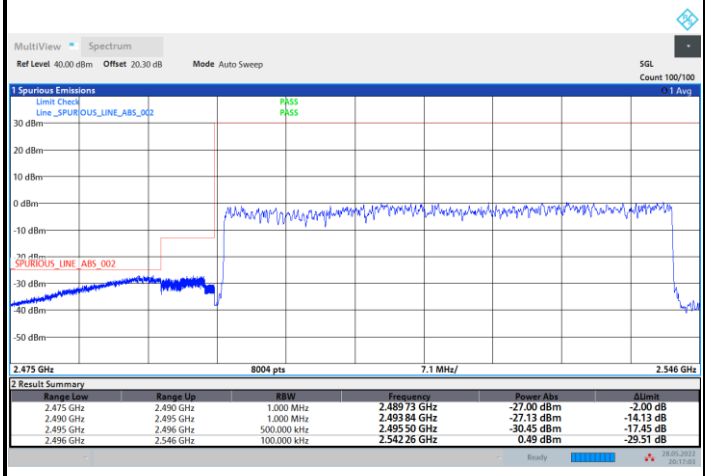


Highest Band Edge

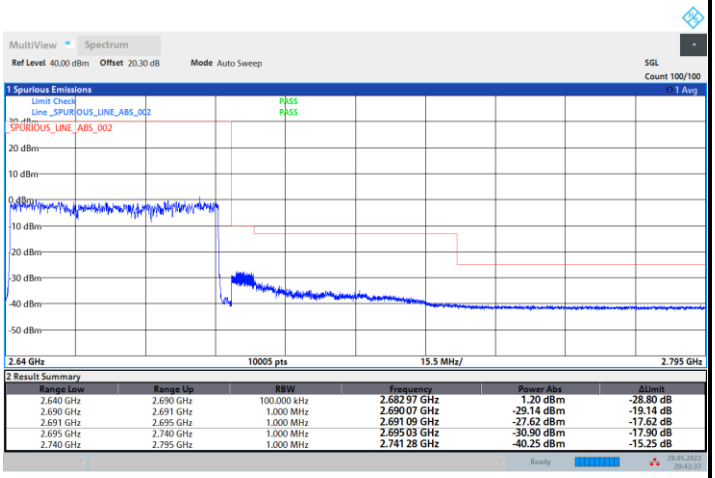


FR1 n41 / 50MHz / DFT-S OFDM / 16QAM / Full RB

Lowest Band Edge

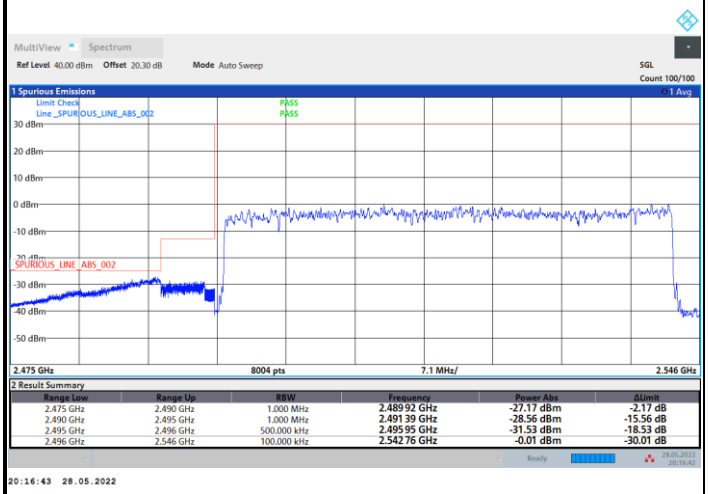


Highest Band Edge

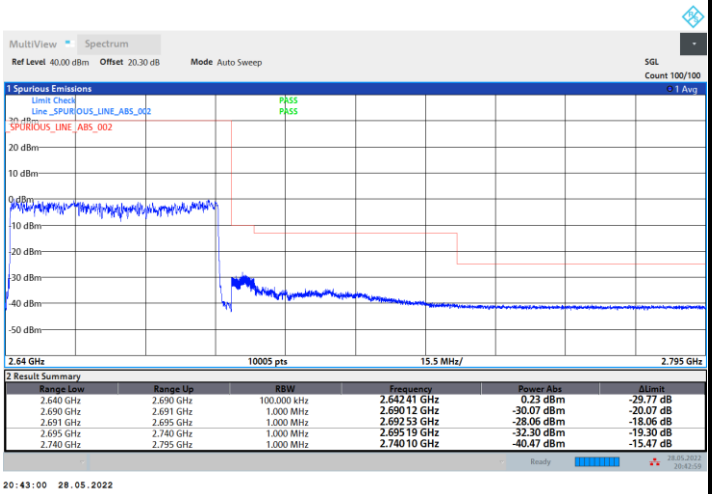


FR1 n41 / 50MHz / DFT-S OFDM / 64QAM / Full RB

Lowest Band Edge

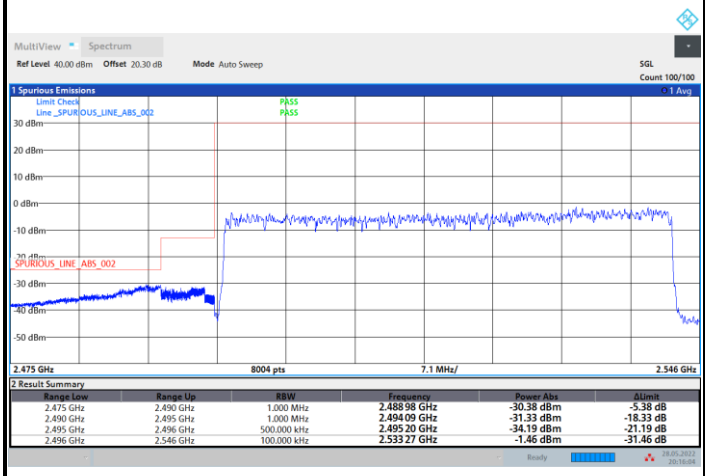


Highest Band Edge

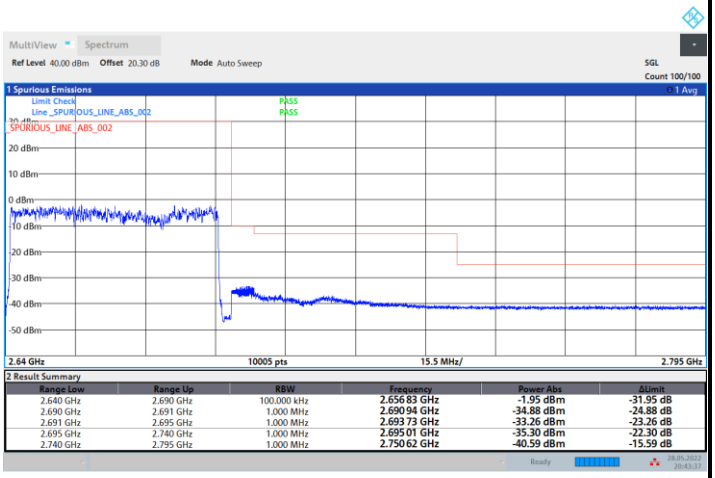


FR1 n41 / 50MHz / DFT-S OFDM / 256QAM / Full RB

Lowest Band Edge

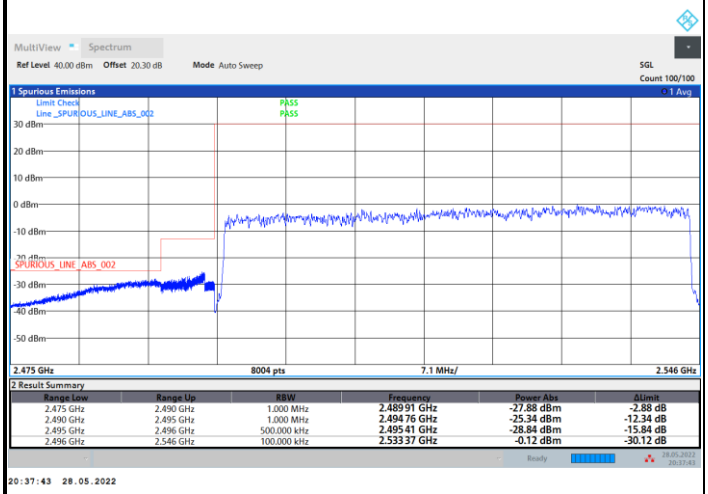


Highest Band Edge

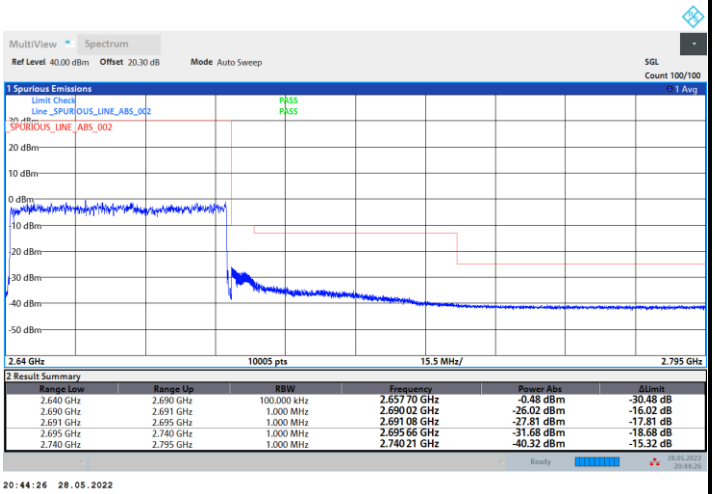


FR1 n41 / 50MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

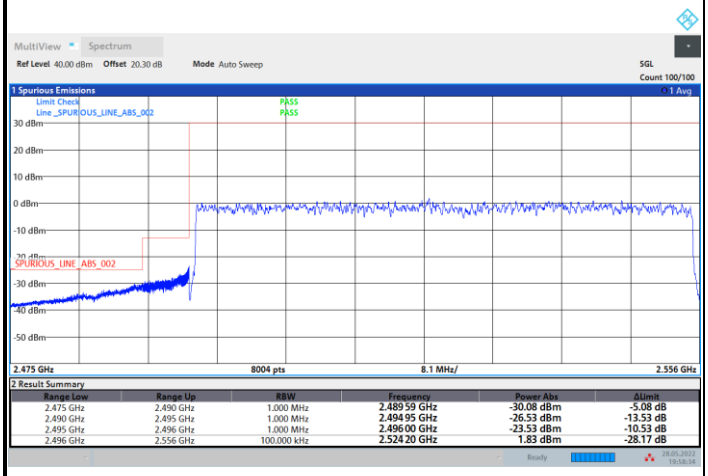


Highest Band Edge

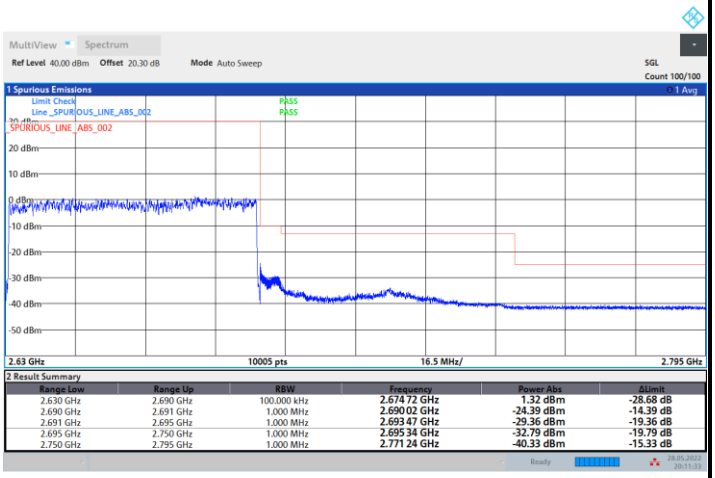


FR1 n41 / 60MHz / DFT-S OFDM / PI/2 BPSK / Full RB

Lowest Band Edge

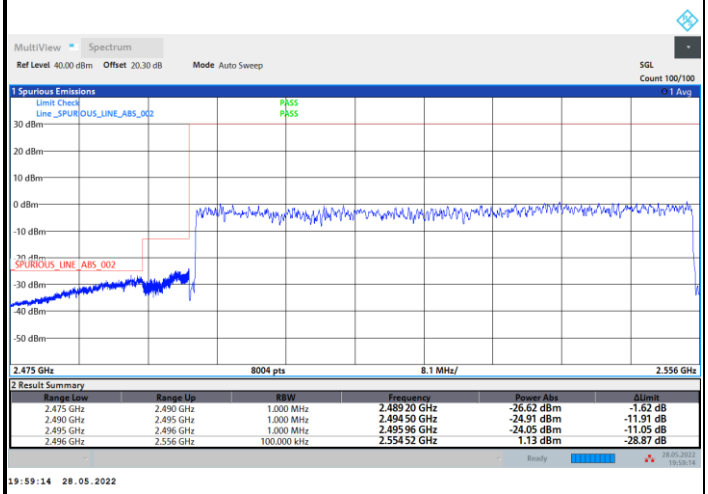


Highest Band Edge

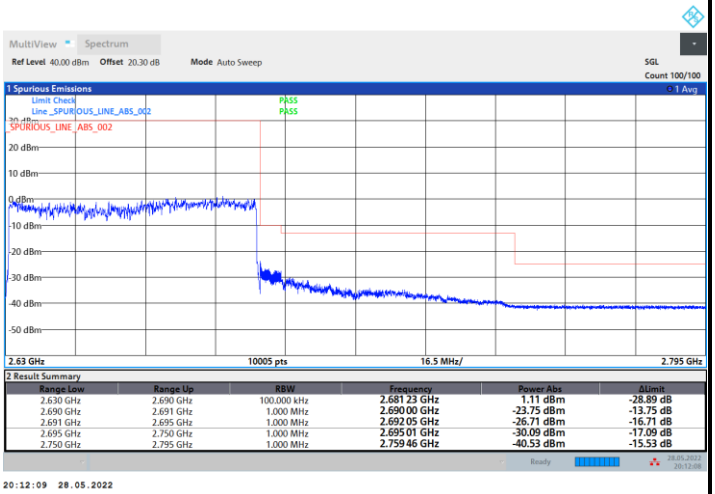


FR1 n41 / 60MHz / DFT-S OFDM / QPSK / Full RB

Lowest Band Edge

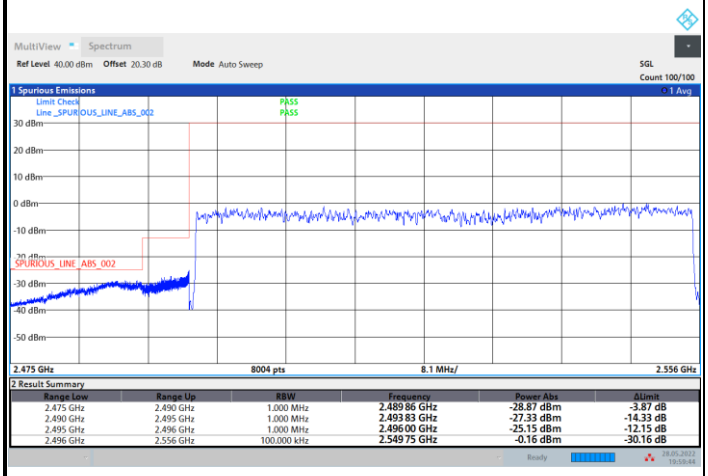


Highest Band Edge

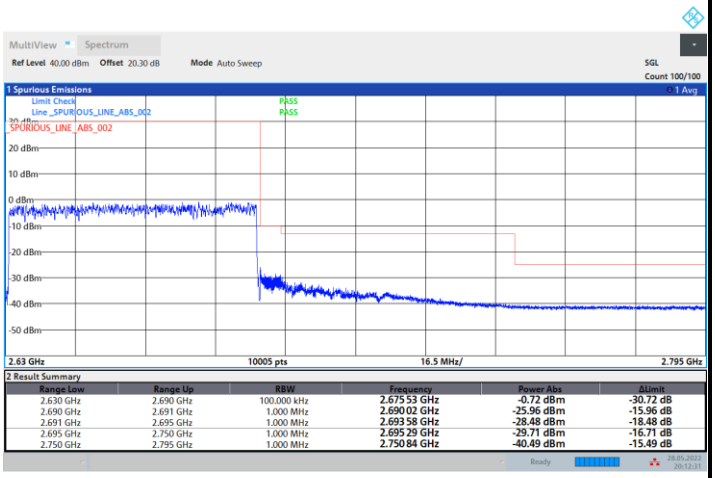


FR1 n41 / 60MHz / DFT-S OFDM / 16QAM / Full RB

Lowest Band Edge

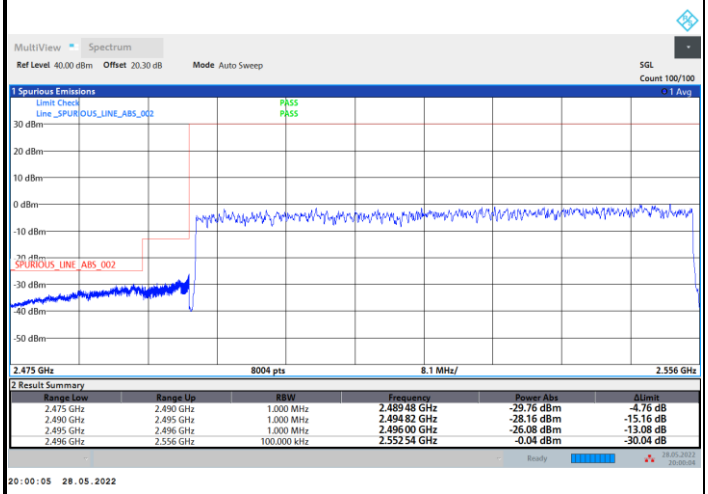


Highest Band Edge

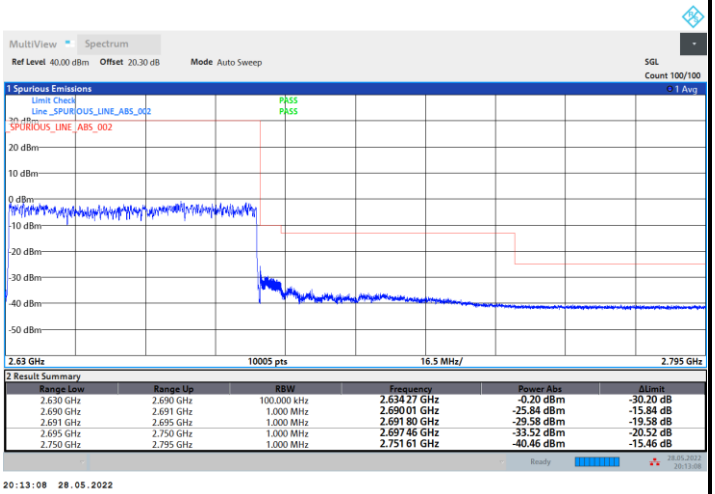


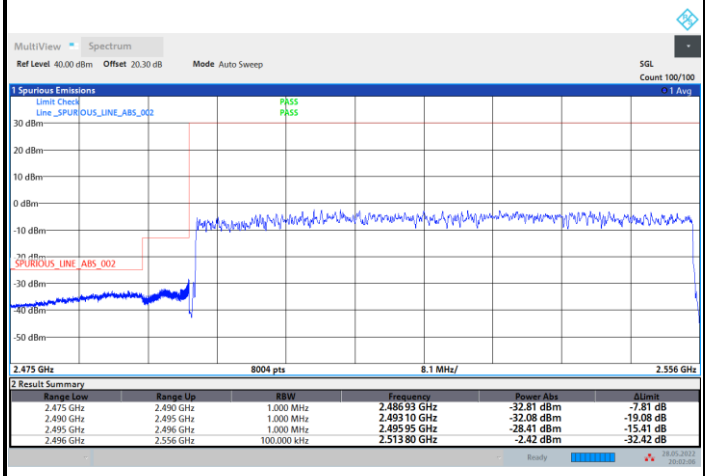
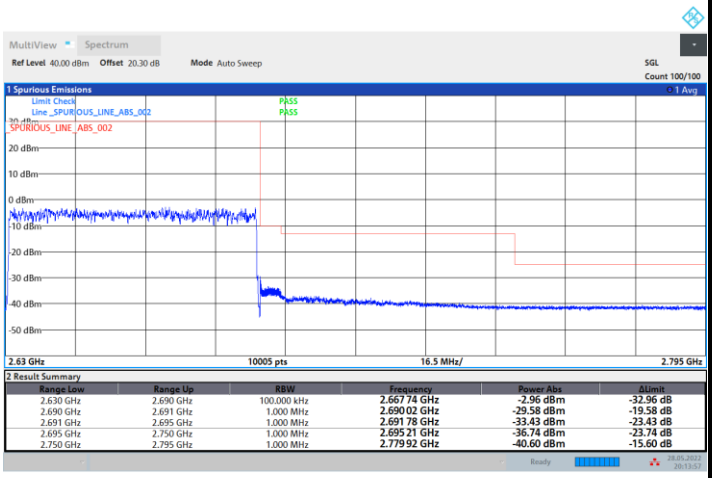
FR1 n41 / 60MHz / DFT-S OFDM / 64QAM / Full RB

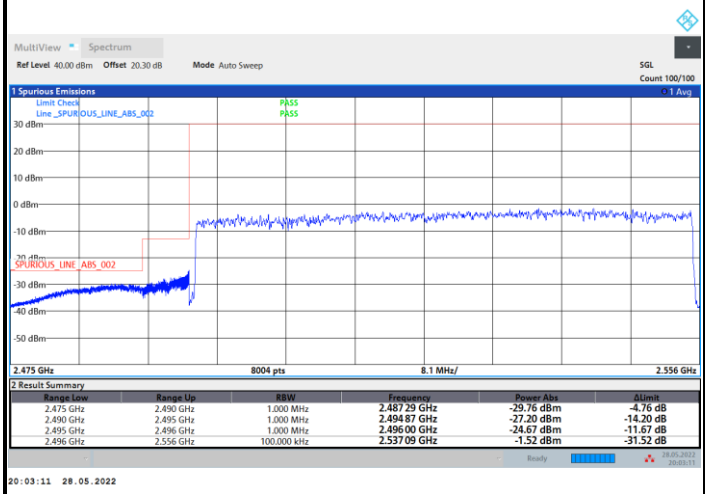
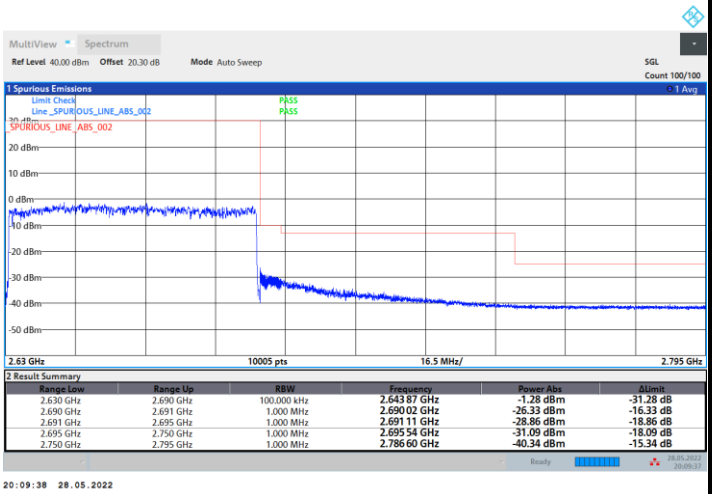
Lowest Band Edge



Highest Band Edge

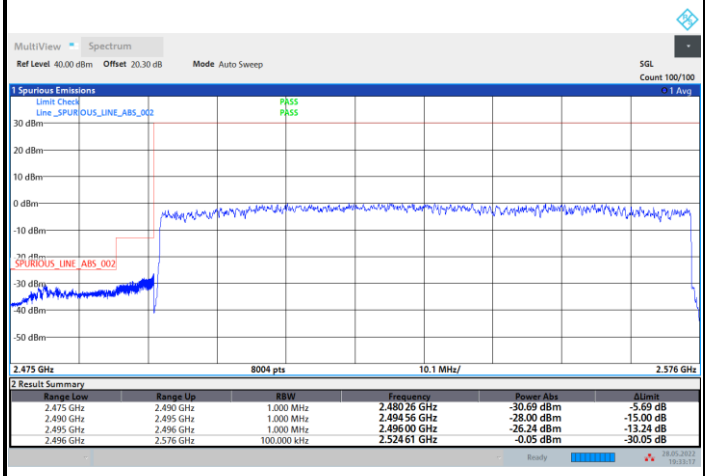


FR1 n41 / 60MHz / DFT-S OFDM / 256QAM / Full RB	
Lowest Band Edge	**Highest Band Edge**
	

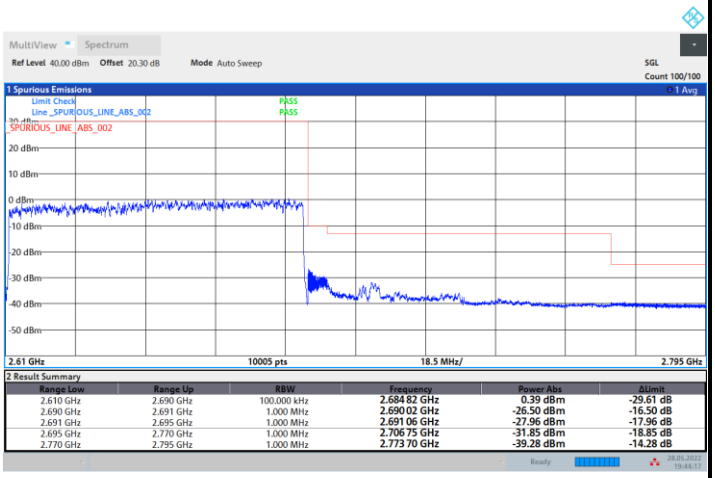
FR1 n41 / 60MHz / CP OFDM / QPSK / Full RB	
Lowest Band Edge	**Highest Band Edge**
	

FR1 n41 / 80MHz / DFT-S OFDM / PI/2 BPSK / Full RB

Lowest Band Edge

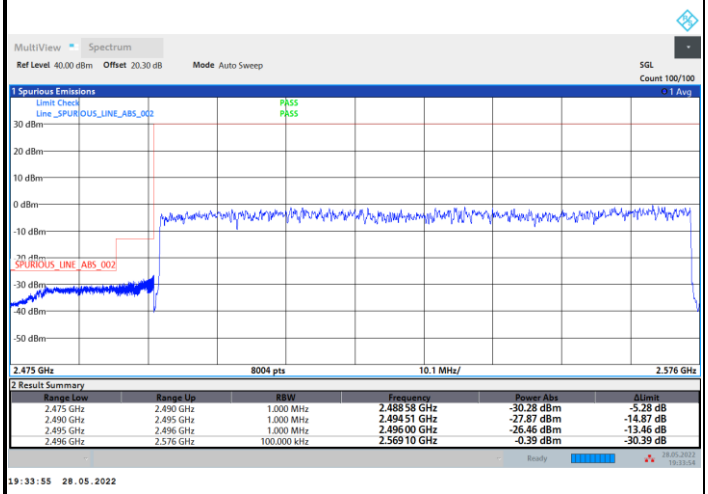


Highest Band Edge

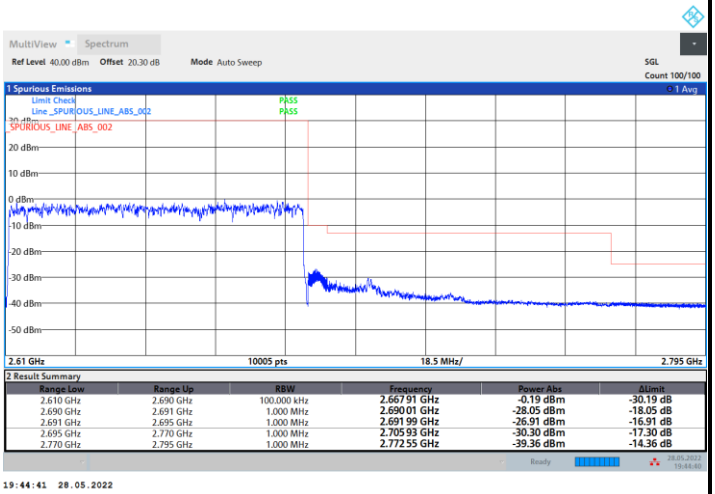


FR1 n41 / 80MHz / DFT-S OFDM / QPSK / Full RB

Lowest Band Edge

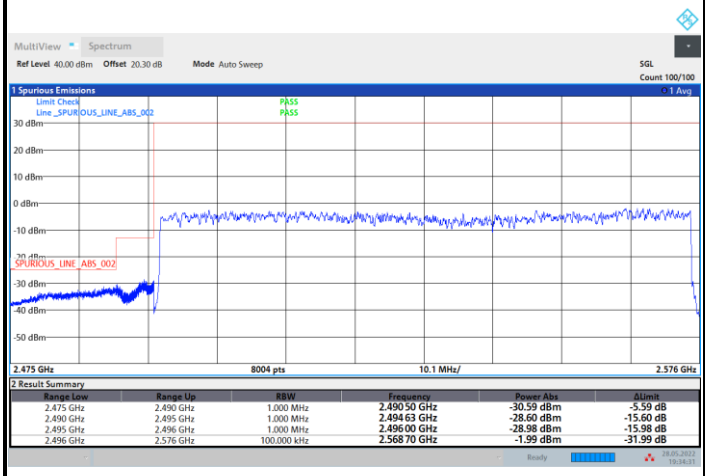


Highest Band Edge

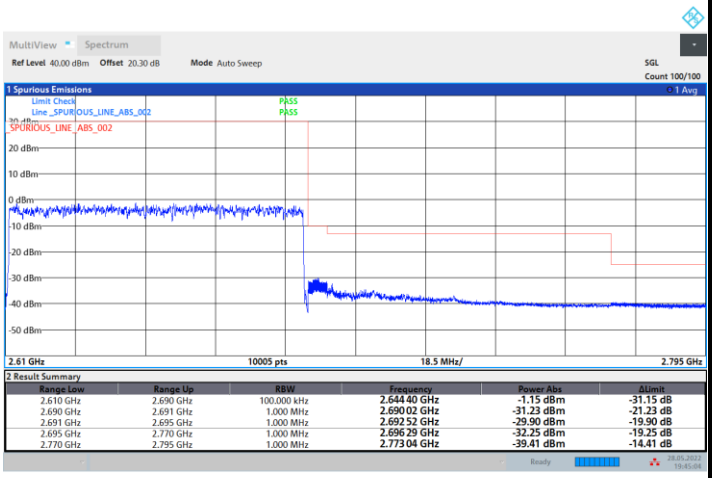


FR1 n41 / 80MHz / DFT-S OFDM / 16QAM / Full RB

Lowest Band Edge

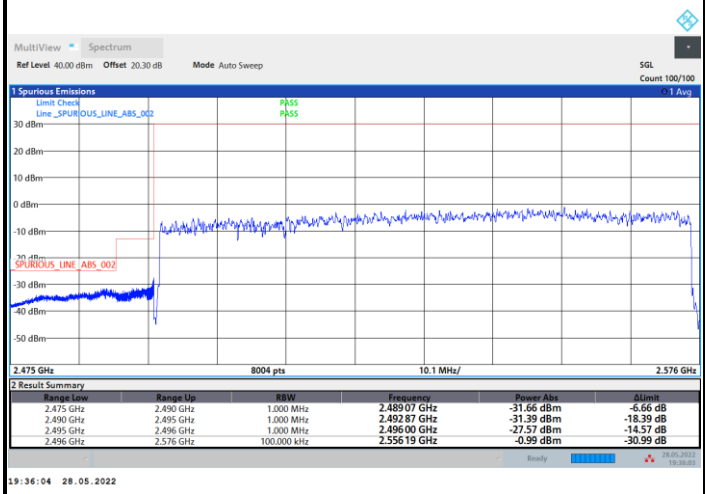


Highest Band Edge

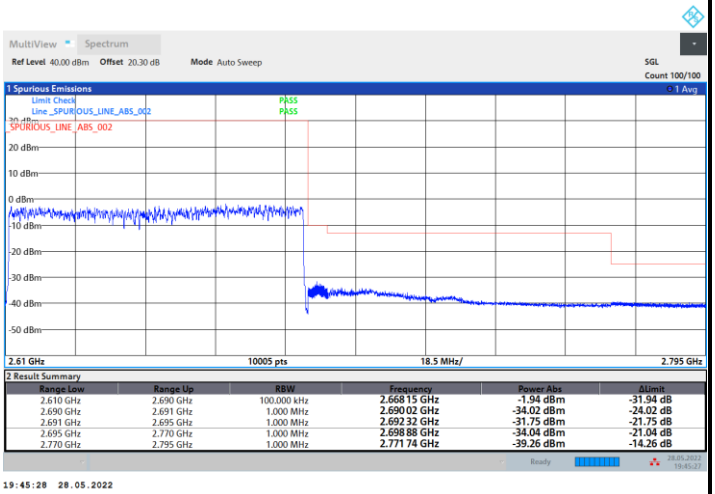


FR1 n41 / 80MHz / DFT-S OFDM / 64QAM / Full RB

Lowest Band Edge

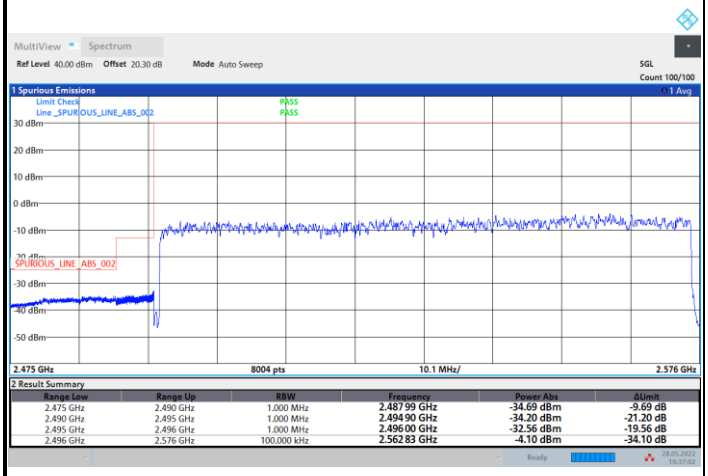


Highest Band Edge

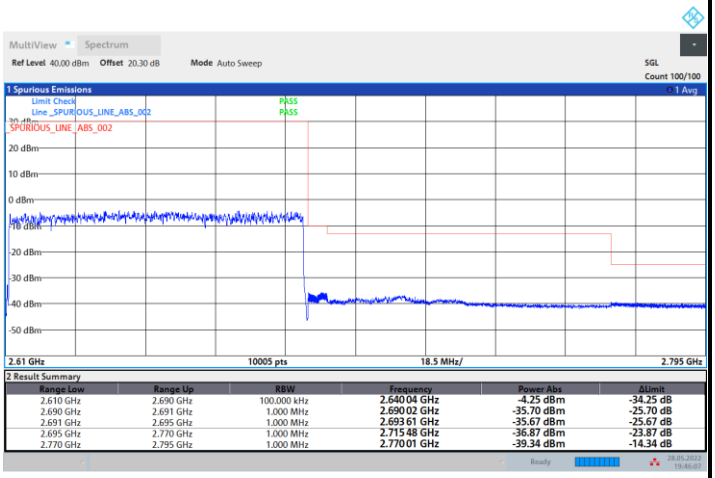


FR1 n41 / 80MHz / DFT-S OFDM / 256QAM / Full RB

Lowest Band Edge

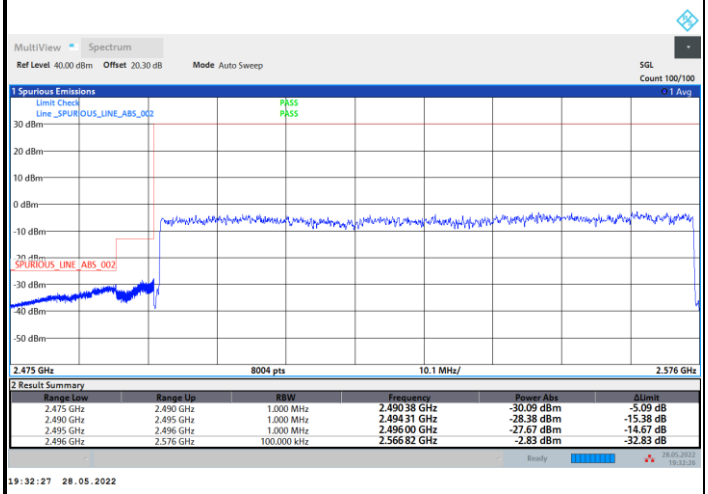


Highest Band Edge

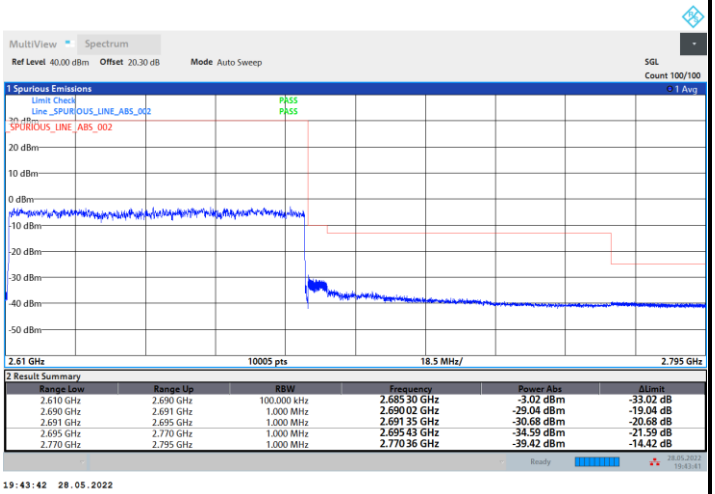


FR1 n41 / 80MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

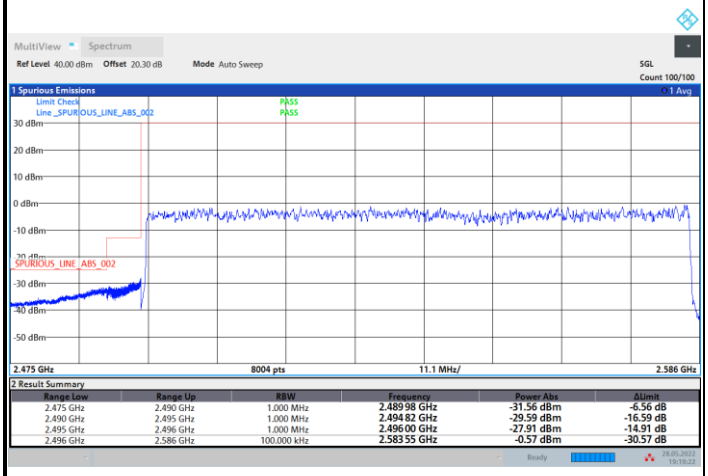


Highest Band Edge

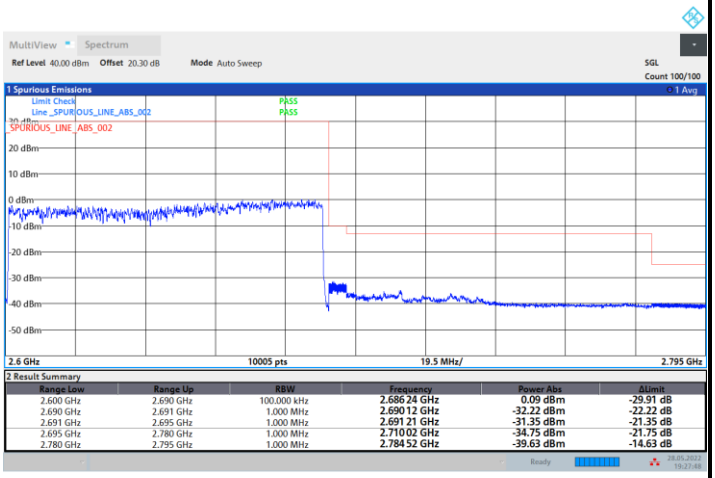


FR1 n41 / 90MHz / DFT-S OFDM / PI/2 BPSK / Full RB

Lowest Band Edge

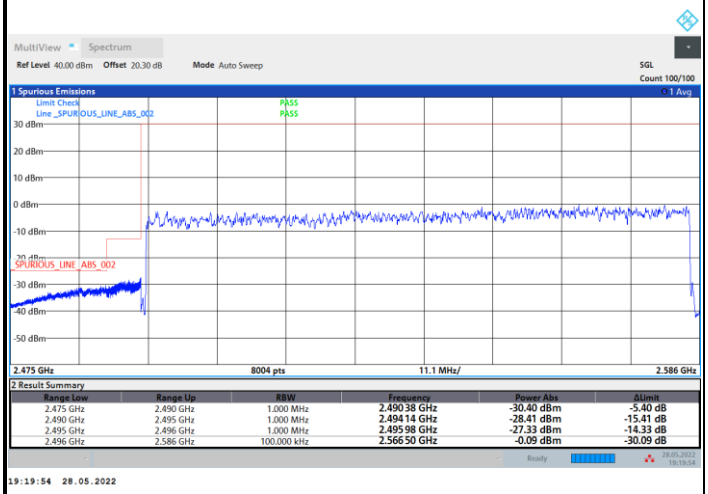


Highest Band Edge

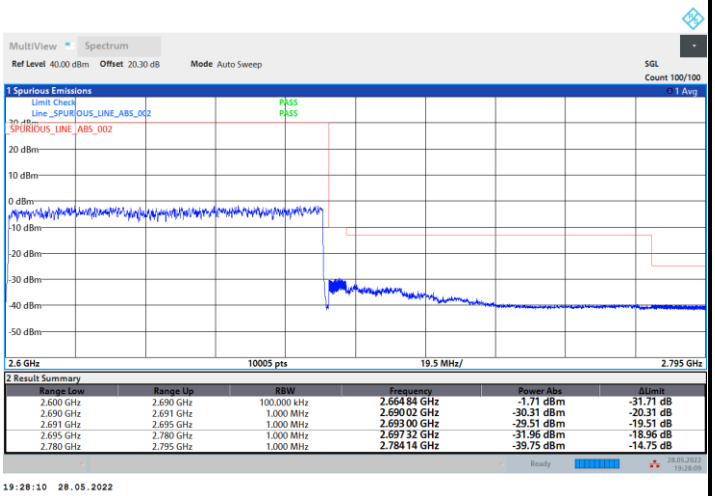


FR1 n41 / 90MHz / DFT-S OFDM / QPSK / Full RB

Lowest Band Edge

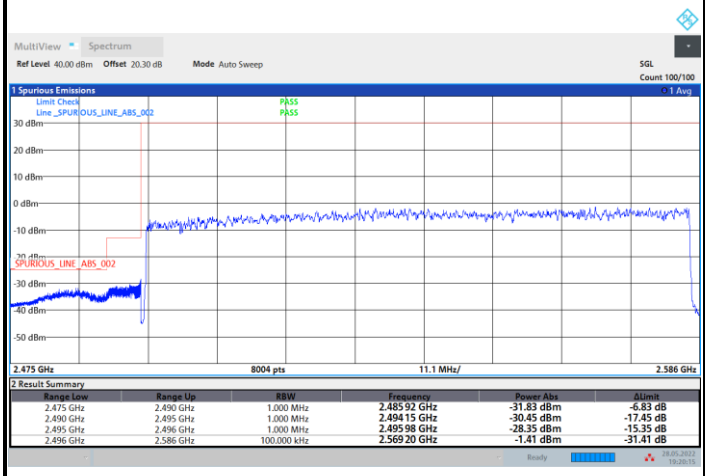


Highest Band Edge

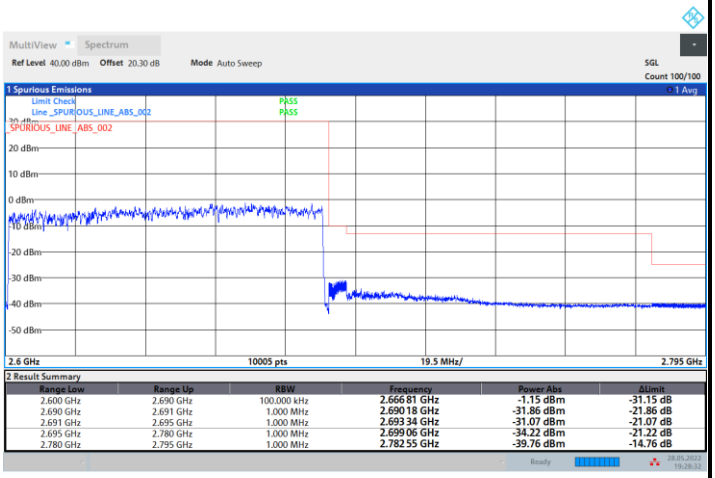


FR1 n41 / 90MHz / DFT-S OFDM / 16QAM / Full RB

Lowest Band Edge

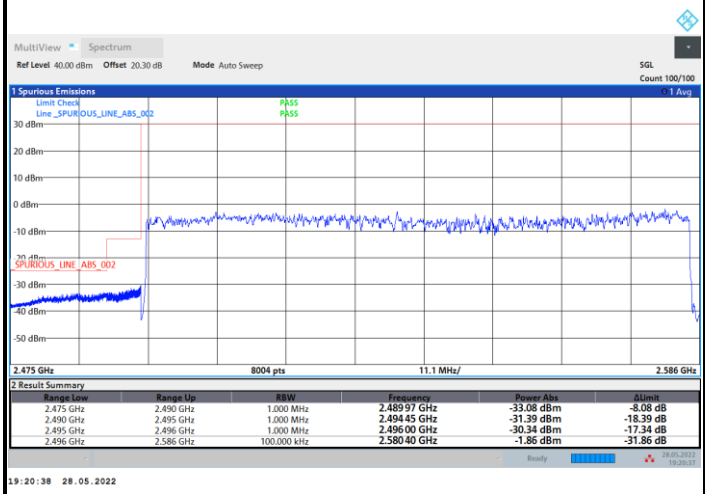


Highest Band Edge

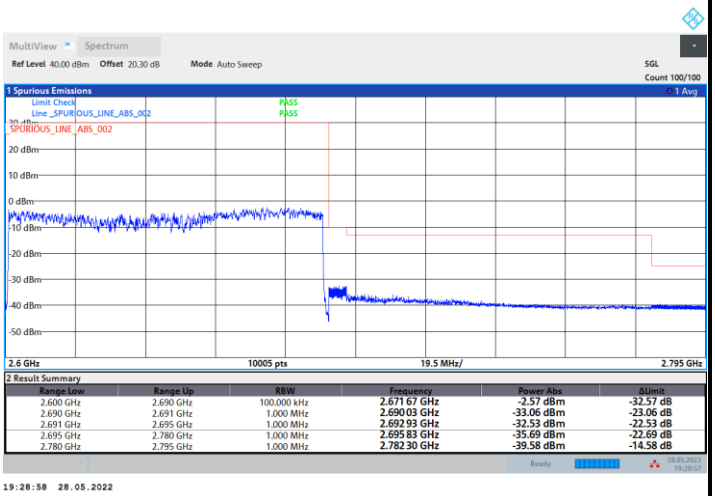


FR1 n41 / 90MHz / DFT-S OFDM / 64QAM / Full RB

Lowest Band Edge

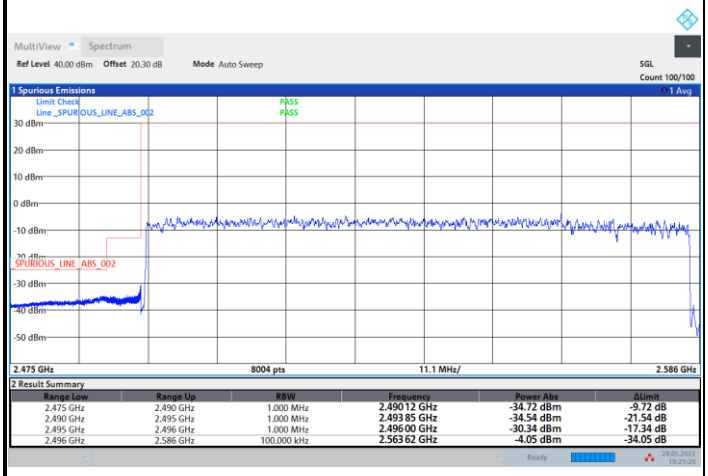


Highest Band Edge

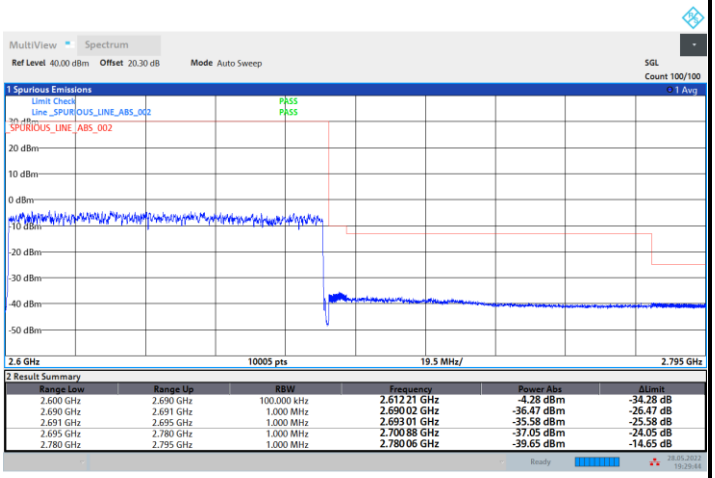


FR1 n41 / 90MHz / DFT-S OFDM / 256QAM / Full RB

Lowest Band Edge

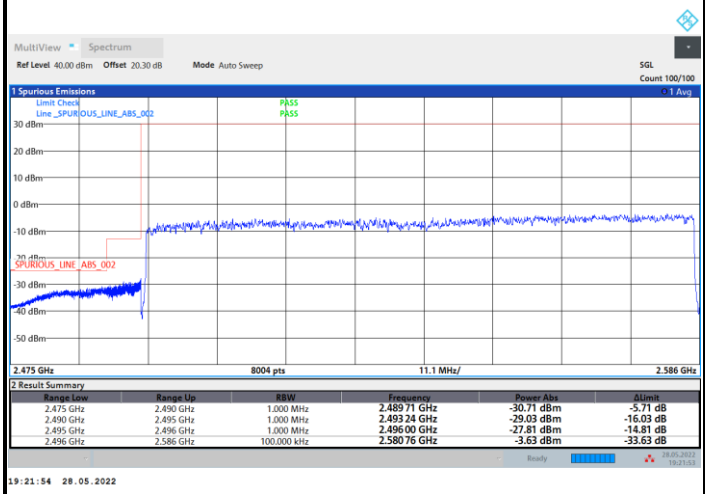


Highest Band Edge

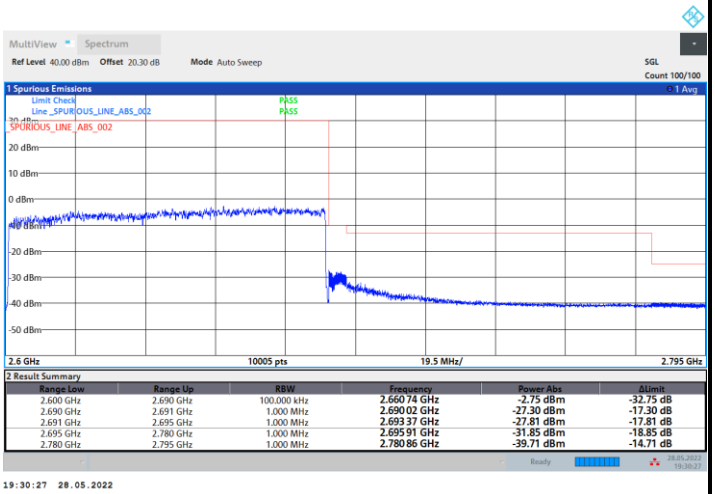


FR1 n41 / 90MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

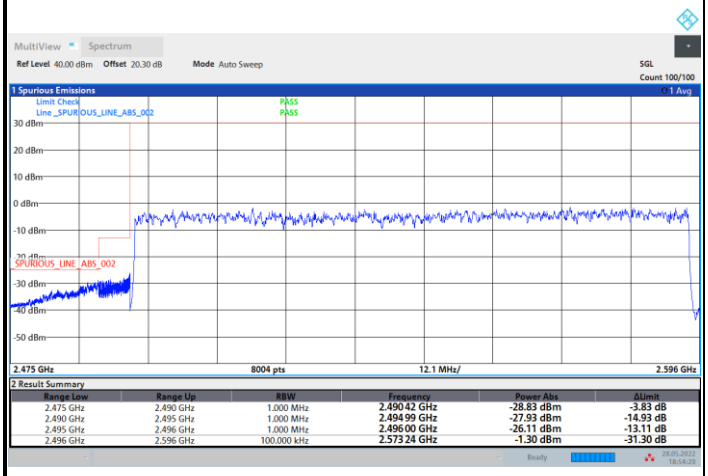


Highest Band Edge

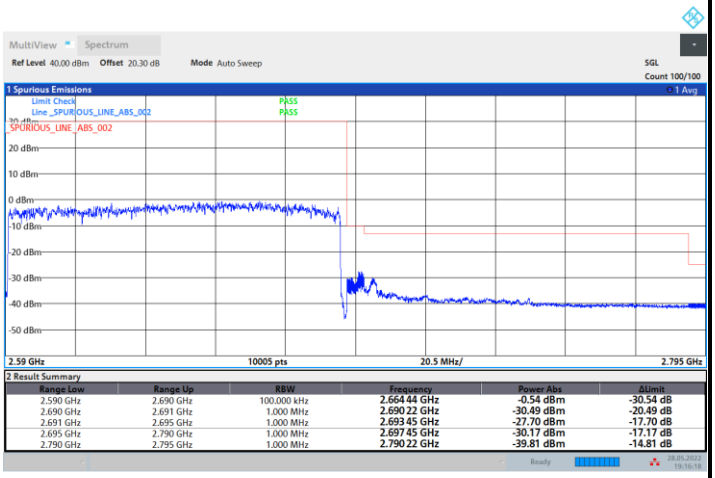


FR1 n41 / 100MHz / DFT-S OFDM / PI/2 BPSK / Full RB

Lowest Band Edge

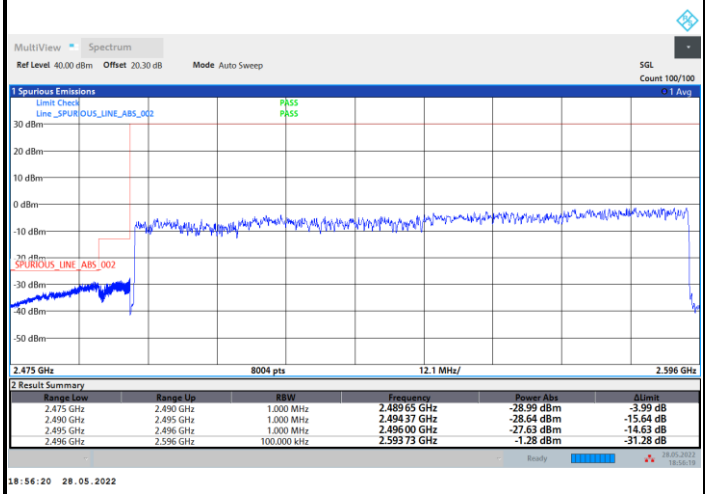


Highest Band Edge

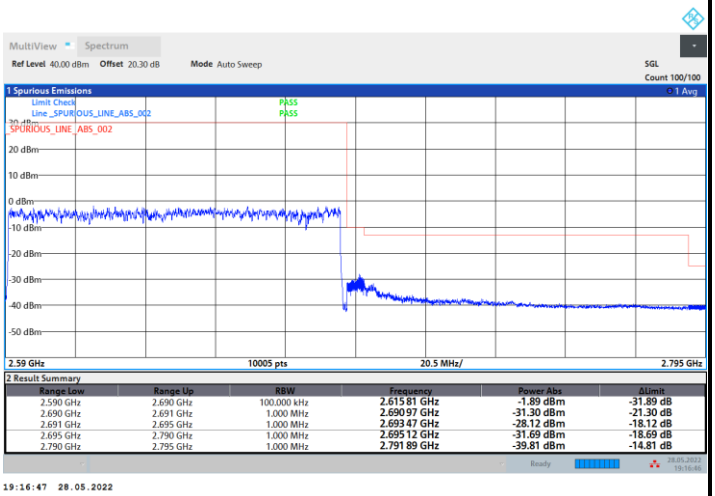


FR1 n41 / 100MHz / DFT-S OFDM / QPSK / Full RB

Lowest Band Edge

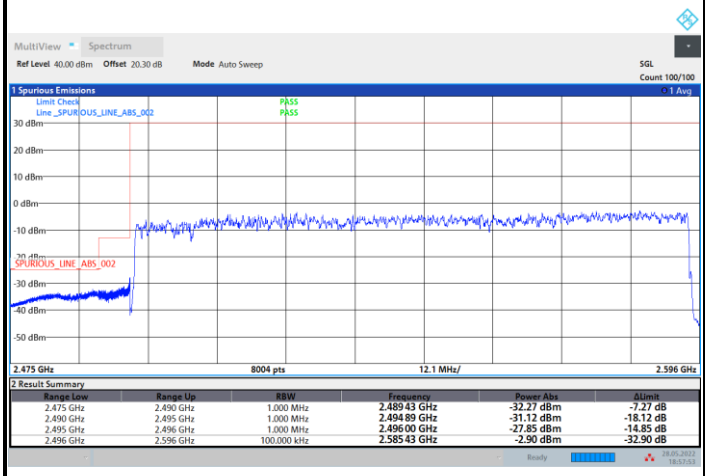


Highest Band Edge

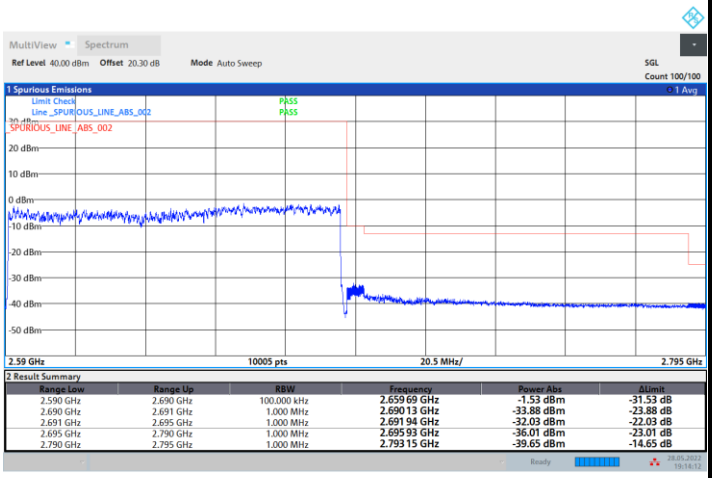


FR1 n41 / 100MHz / DFT-S OFDM / 16QAM / Full RB

Lowest Band Edge

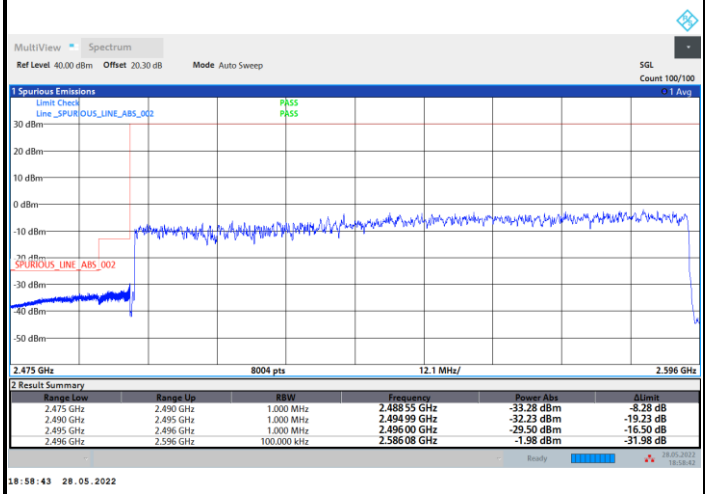


Highest Band Edge

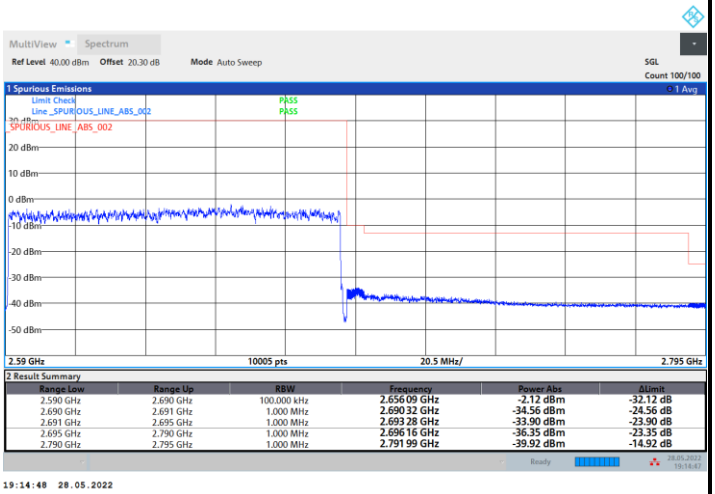


FR1 n41 / 100MHz / DFT-S OFDM / 64QAM / Full RB

Lowest Band Edge

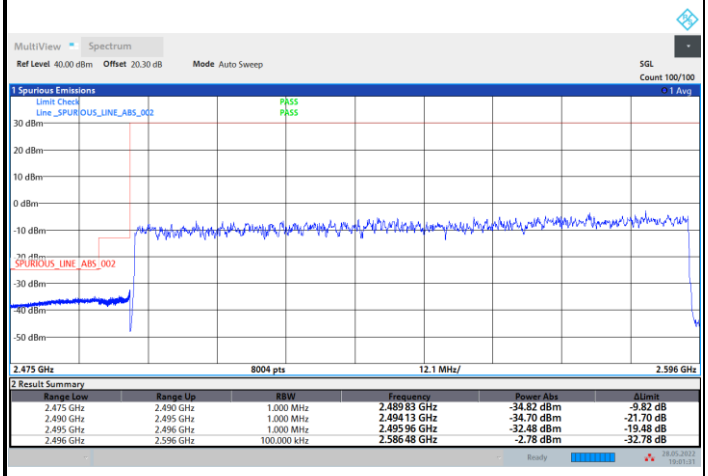


Highest Band Edge

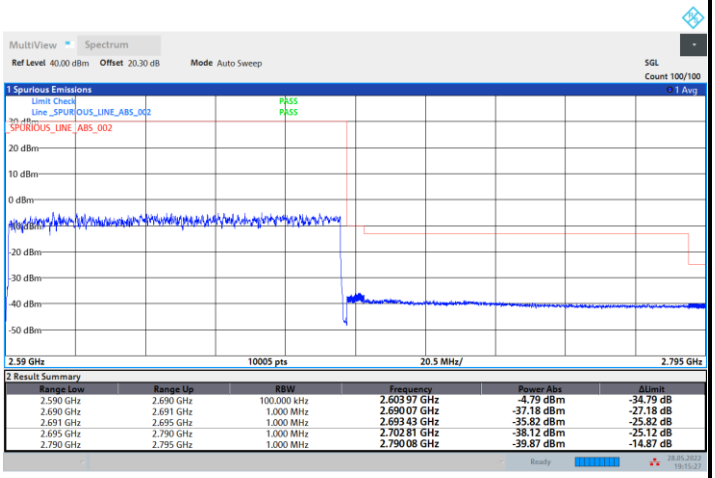


FR1 n41 / 100MHz / DFT-S OFDM / 256QAM / Full RB

Lowest Band Edge / Full RB

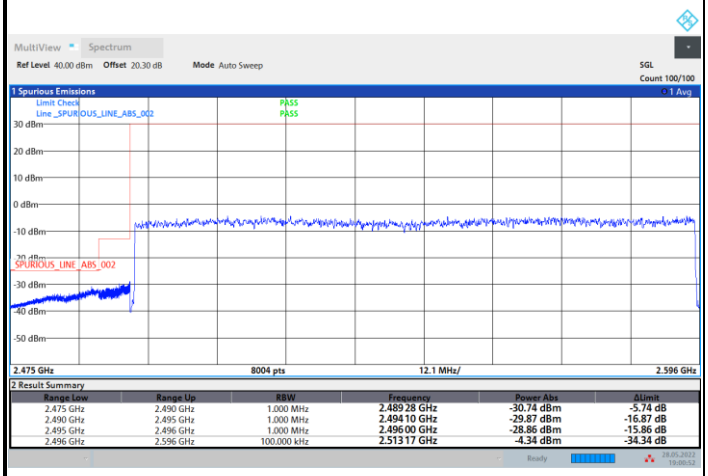


Highest Band Edge / Full RB

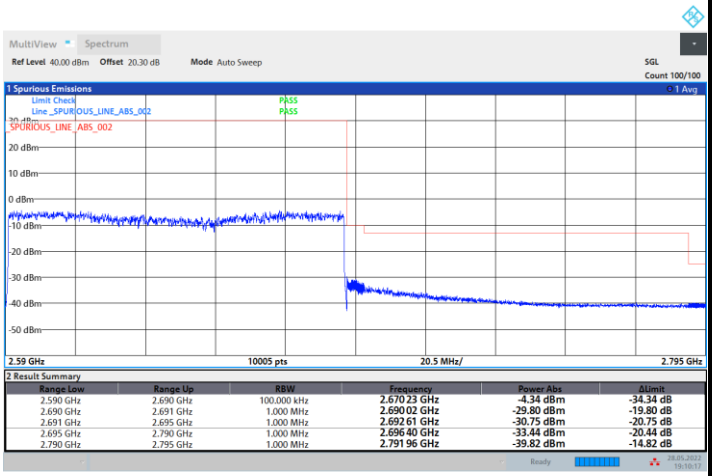


FR1 n41 / 100MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



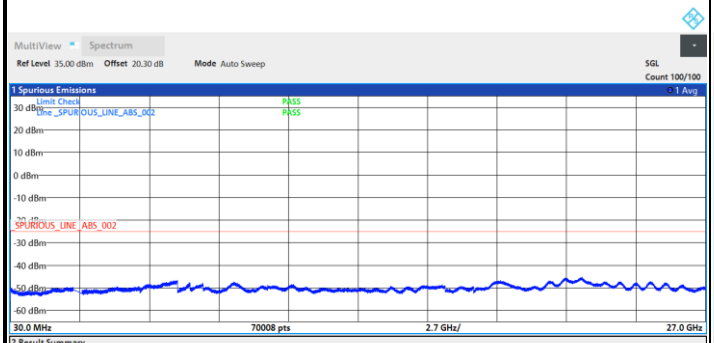
Highest Band Edge



Conducted Spurious Emission

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

Lowest Channel

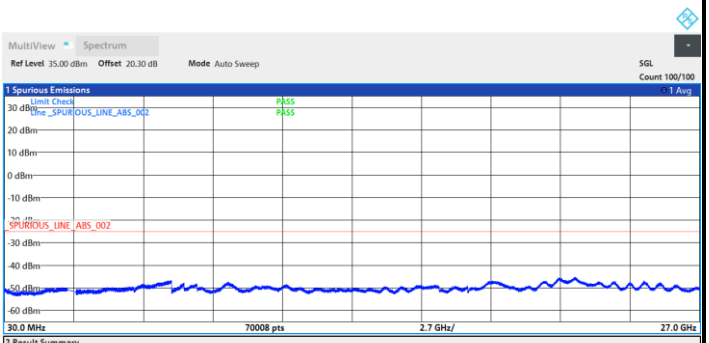


2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	39.333 92 MHz	-49.94 dBm	-24.94 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.457 12 GHz	-49.75 dBm	-24.75 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.986 14 GHz	-50.52 dBm	-25.52 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.505 05 GHz	-46.70 dBm	-21.70 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.691 23 GHz	-47.40 dBm	-22.40 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.999 70 GHz	-48.39 dBm	-23.39 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.781 92 GHz	-48.61 dBm	-23.61 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.203 46 GHz	-45.26 dBm	-20.26 dB

21:23:23 28.05.2022

Middle Channel

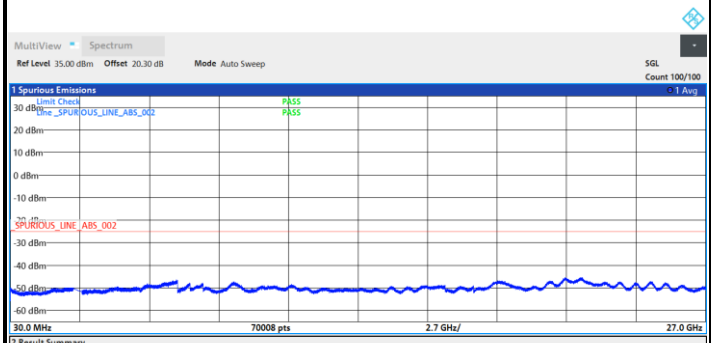


2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	38.364 16 MHz	-49.99 dBm	-24.99 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.266 89 GHz	-49.82 dBm	-24.82 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.847 44 GHz	-50.54 dBm	-25.54 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.488 25 GHz	-46.70 dBm	-21.70 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.721 60 GHz	-47.31 dBm	-22.31 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.952 10 GHz	-48.61 dBm	-23.61 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.823 12 GHz	-48.72 dBm	-23.72 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.181 42 GHz	-45.19 dBm	-20.19 dB

21:30:35 28.05.2022

Highest Channel



2 Result Summary

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	48.061 73 MHz	-49.99 dBm	-24.99 dB
1.000 GHz	2.475 GHz	1.000 MHz	2.358 69 GHz	-49.87 dBm	-24.87 dB
2.795 GHz	3.000 GHz	1.000 MHz	2.972 10 GHz	-50.60 dBm	-25.60 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.468 65 GHz	-46.44 dBm	-21.44 dB
7.000 GHz	10.000 GHz	1.000 MHz	8.682 60 GHz	-47.34 dBm	-22.34 dB
10.000 GHz	14.000 GHz	1.000 MHz	10.950 10 GHz	-48.31 dBm	-23.31 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.775 92 GHz	-48.80 dBm	-23.80 dB
18.000 GHz	27.000 GHz	1.000 MHz	22.206 16 GHz	-45.27 dBm	-20.27 dB

21:43:15 28.05.2022

Frequency Stability

Test Conditions		FR1 n41 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0014	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage = 4.05 V.；Battery End Point (BEP) = 3.85 V.；Maximum Voltage = 4.35 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	4.18	4.68	5.76	6.26	PASS
Mode	FR1 n66 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.84				PASS