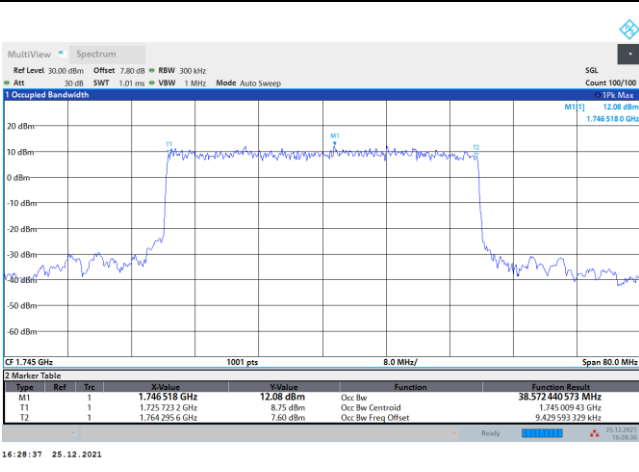




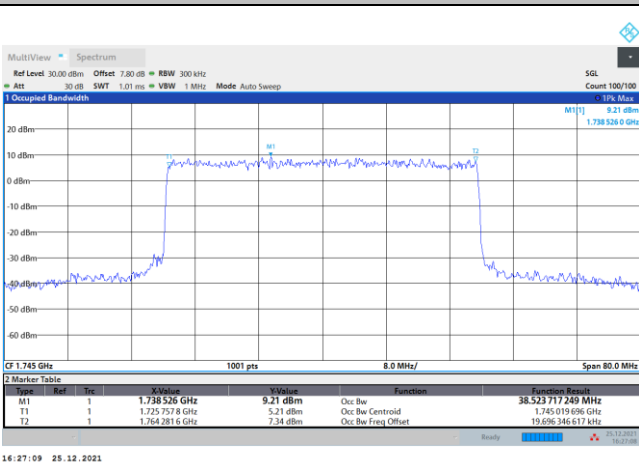
FR1 n66 / 40MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

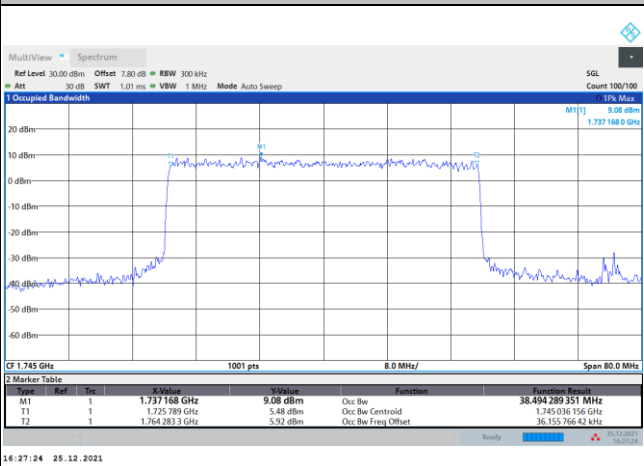


FR1 n66 / 40MHz / CP OFDM / Middle Channel / Full RB

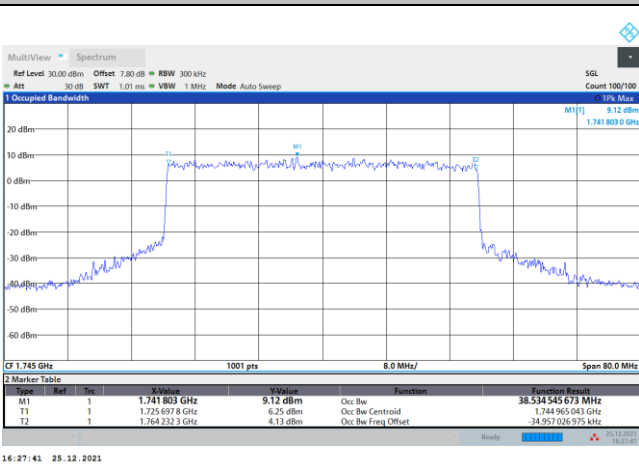
QPSK



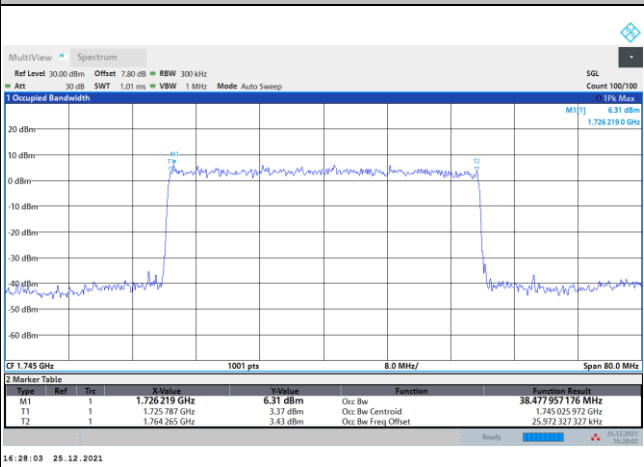
16QAM



64QAM



256QAM



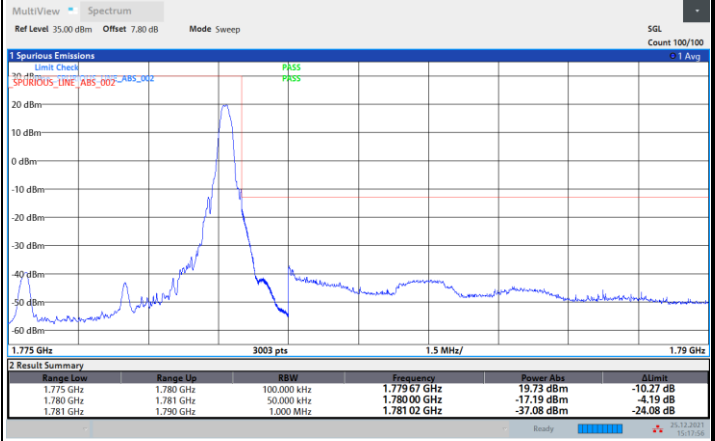
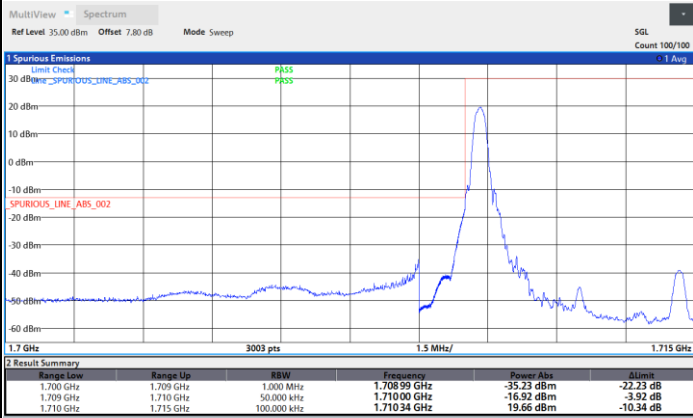


Conducted Band Edge

FR1 n66 / 5MHz / DFT-S OFDM / PI/2 BPSK

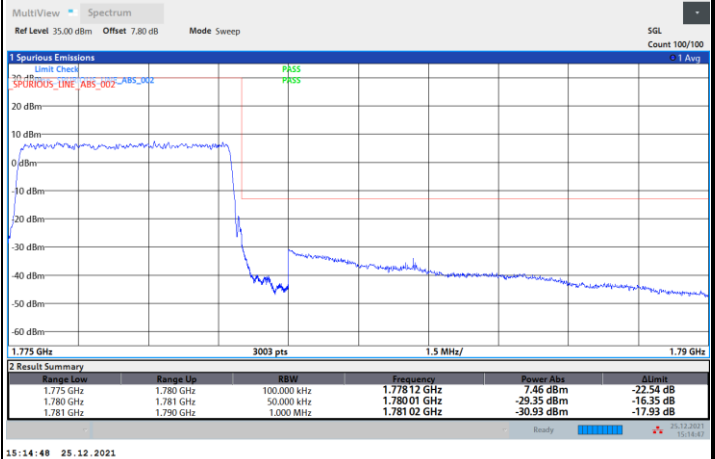
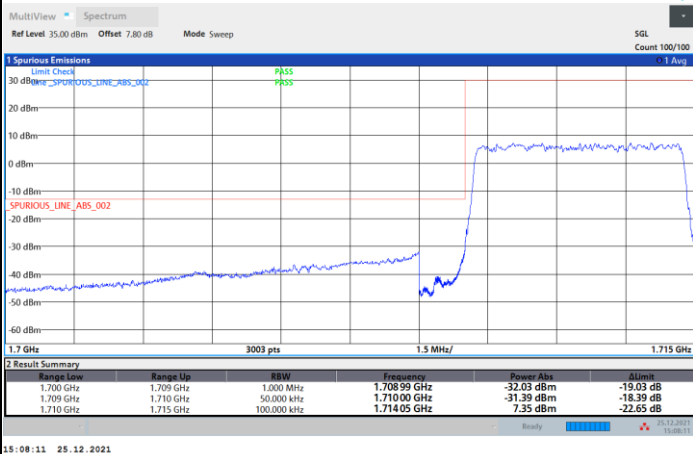
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

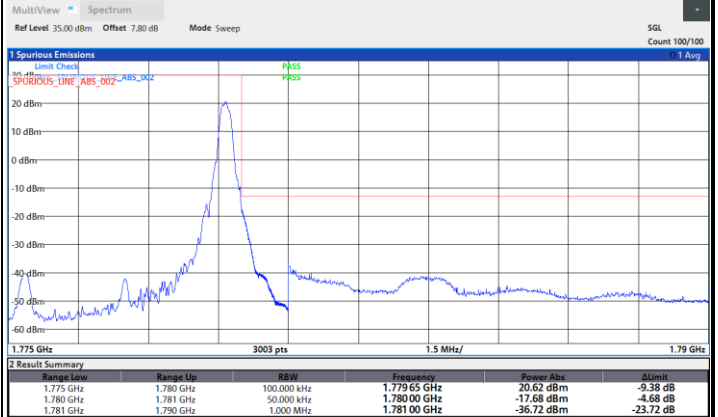
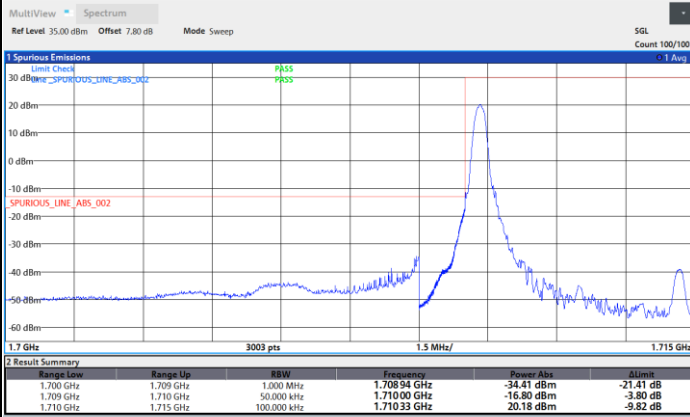




FR1 n66 / 5MHz / DFT-S OFDM / QPSK

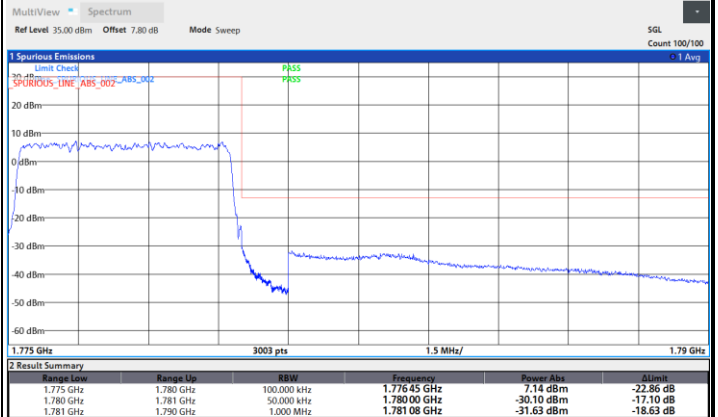
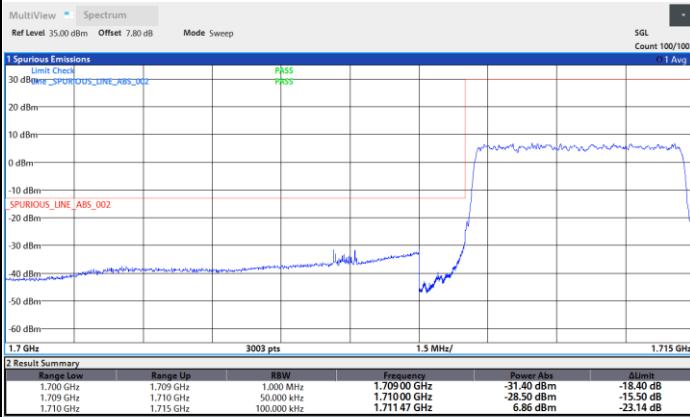
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

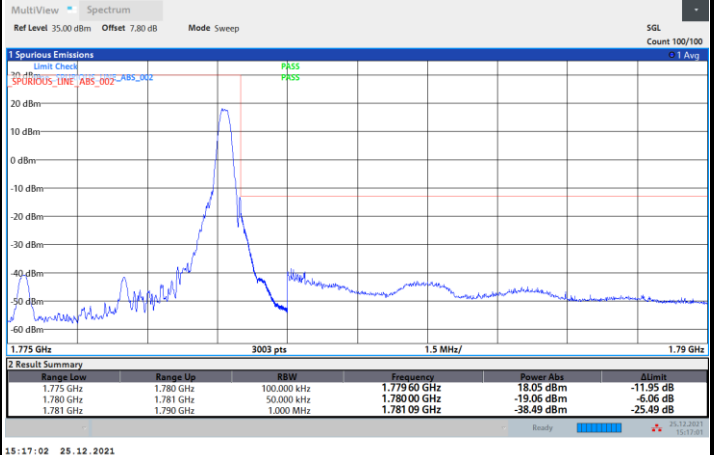
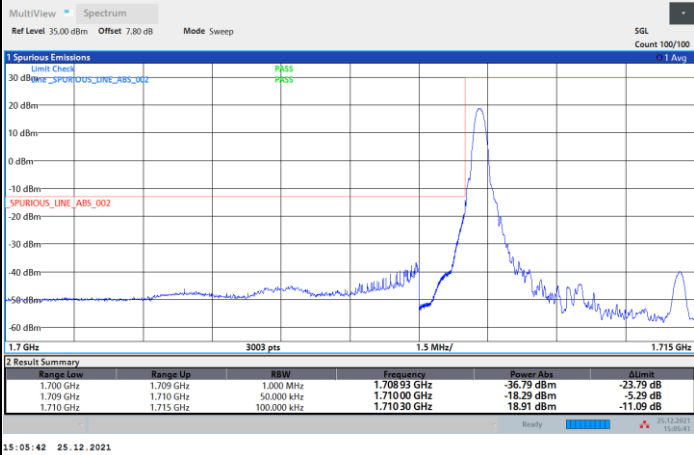




FR1 n66 / 5MHz / DFT-S OFDM / 16QAM

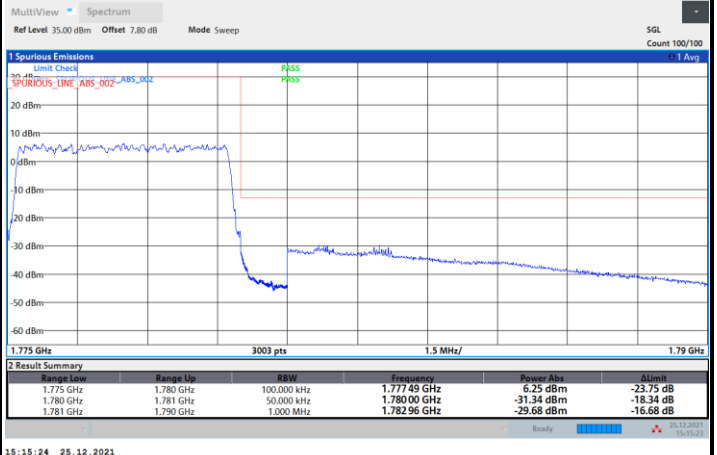
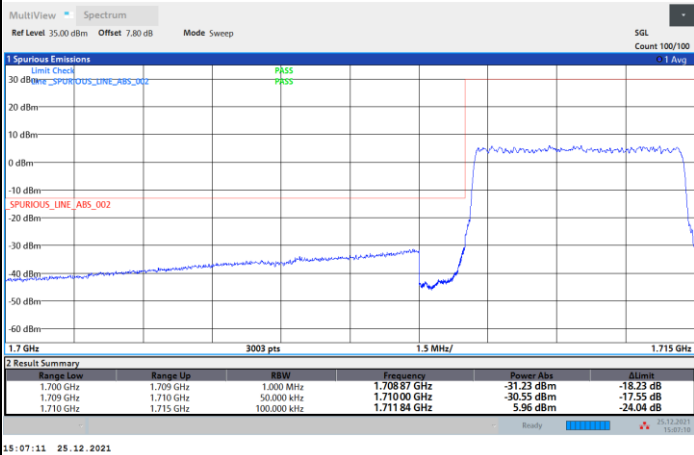
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

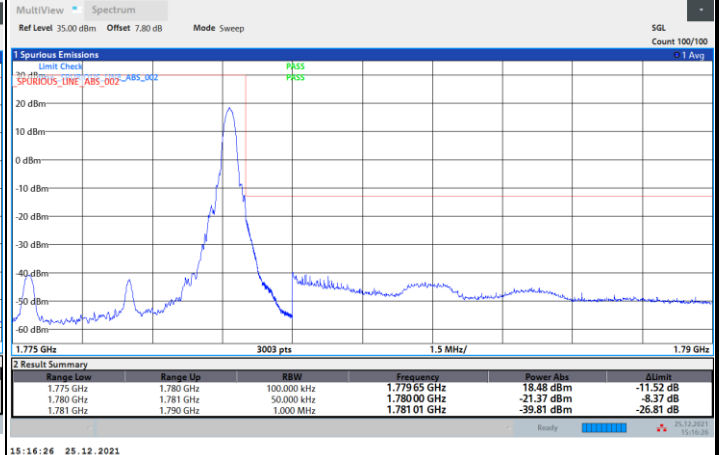
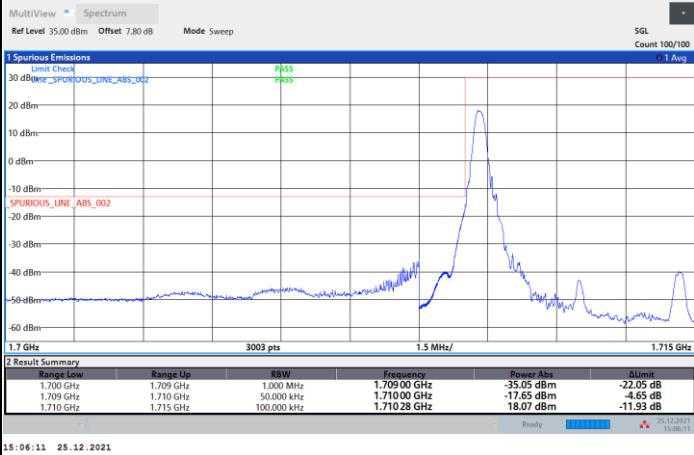




FR1 n66 / 5MHz / DFT-S OFDM / 64QAM

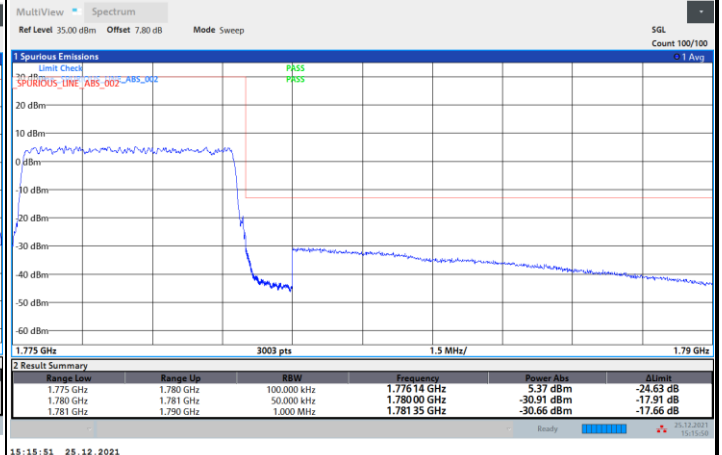
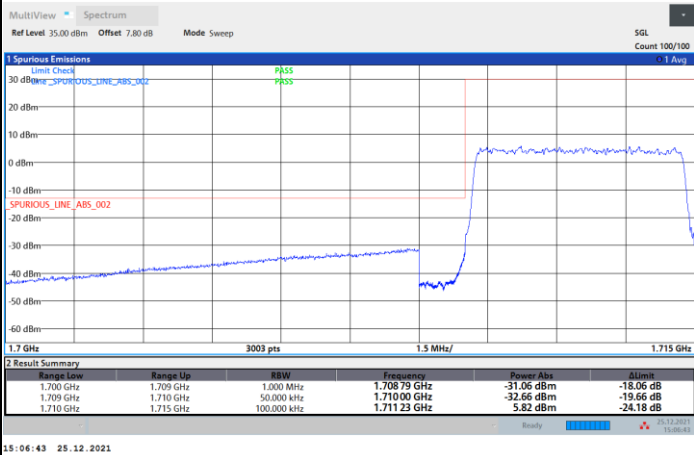
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

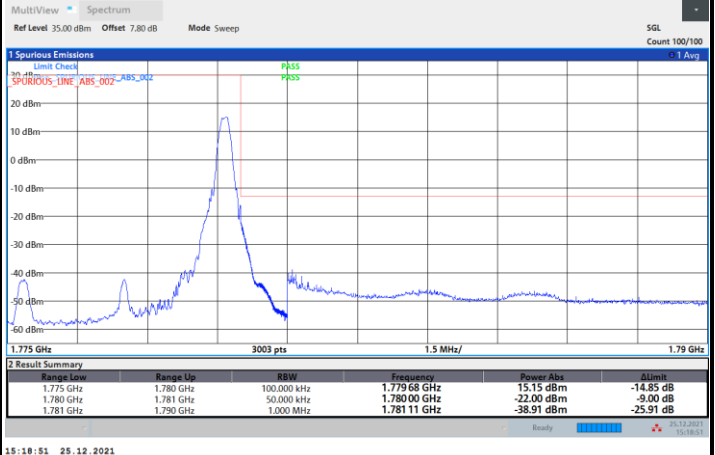
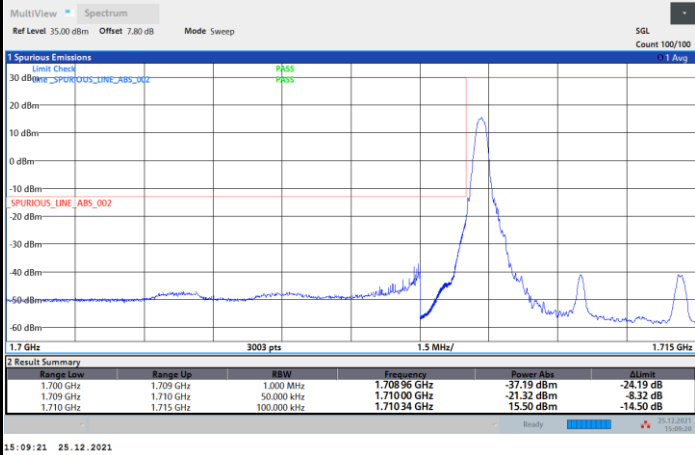




FR1 n66 / 5MHz / DFT-S OFDM / 256QAM

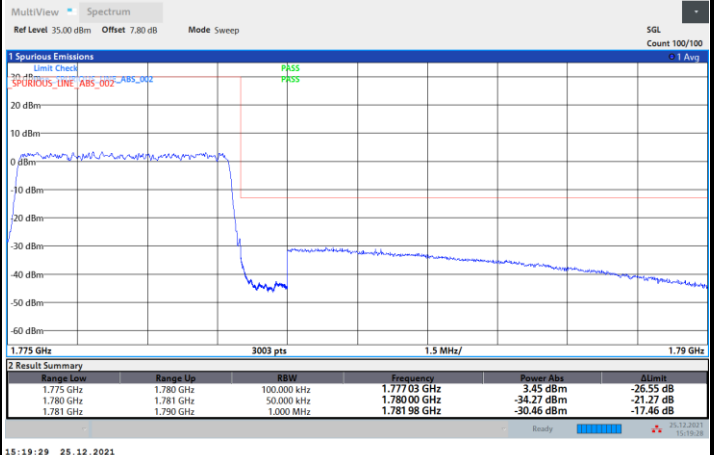
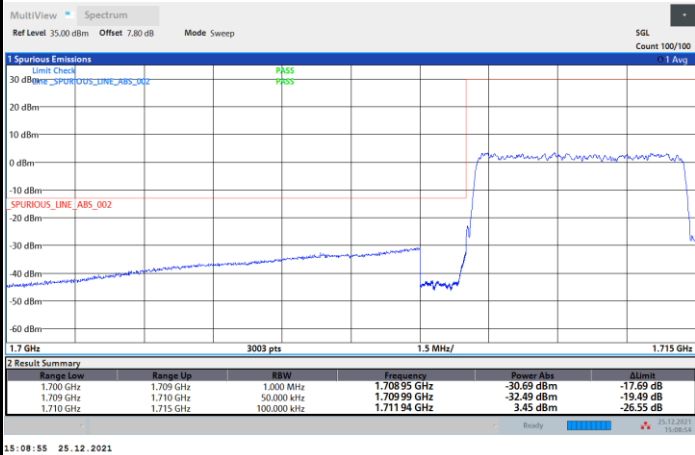
Lowest Band Edge / 1RB0

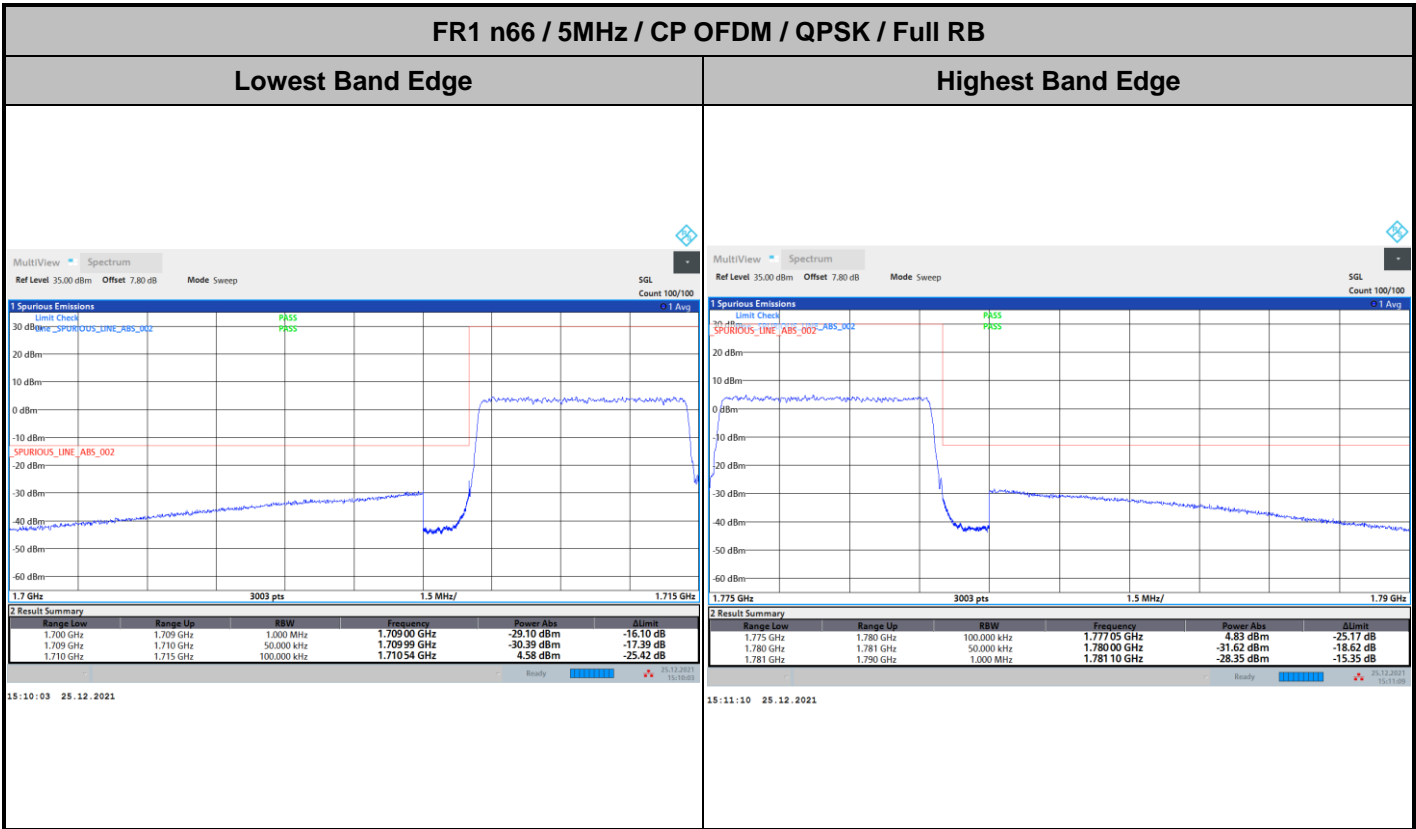
Highest Band Edge / 1RBmax

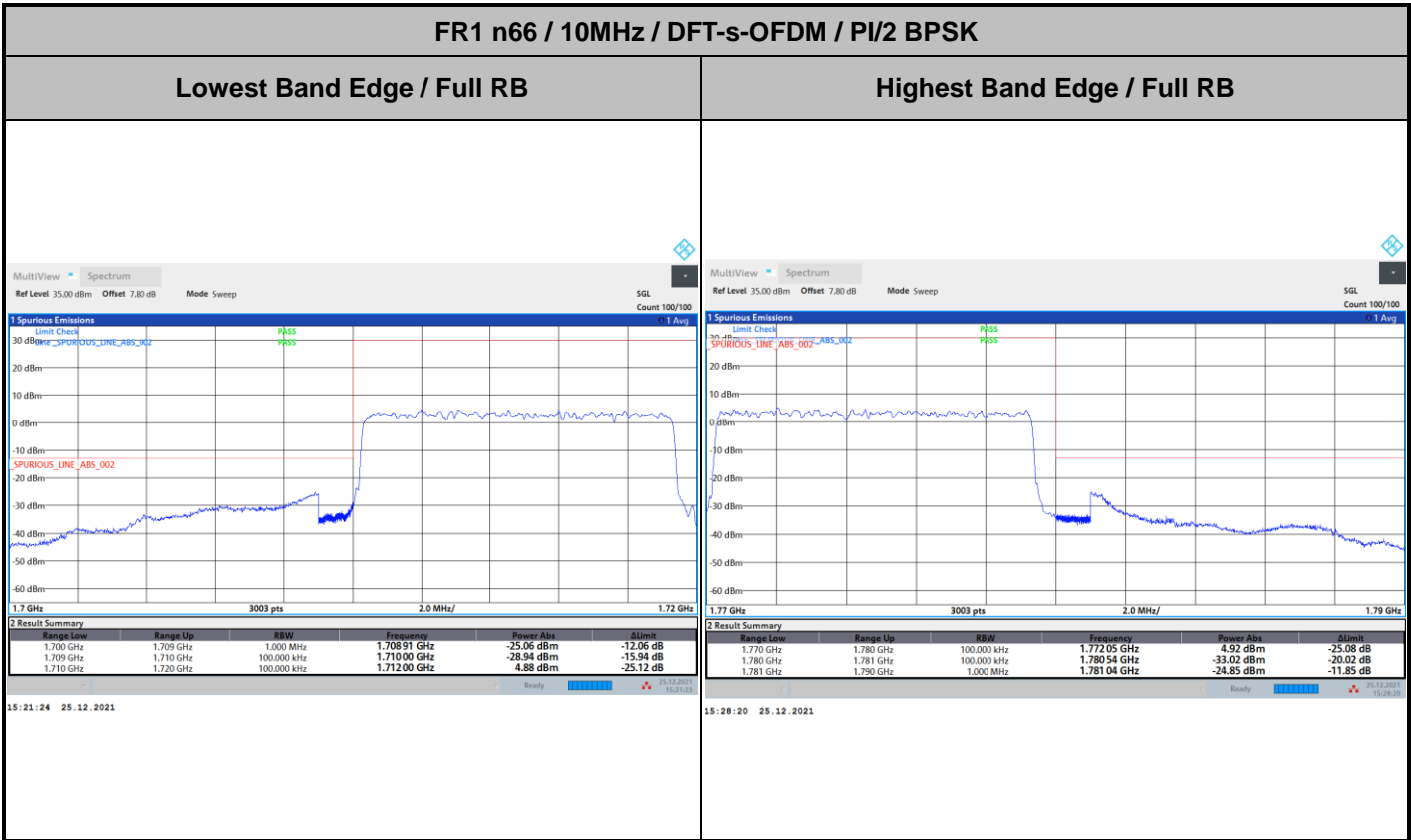


Lowest Band Edge / Full RB

Highest Band Edge / Full RB





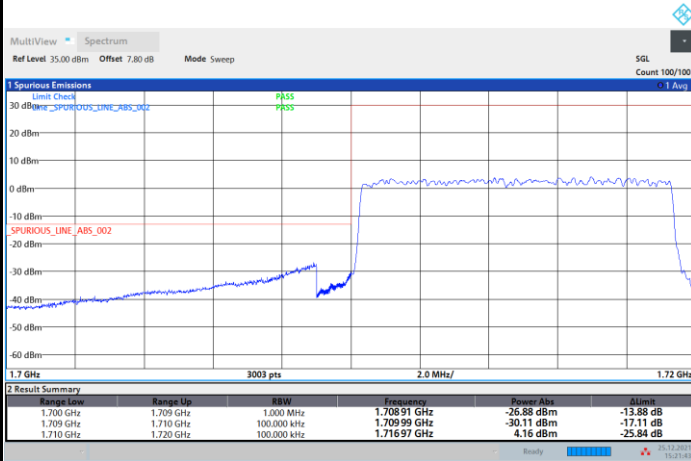




FR1 n66 / 10MHz / DFT-s-OFDM / QPSK

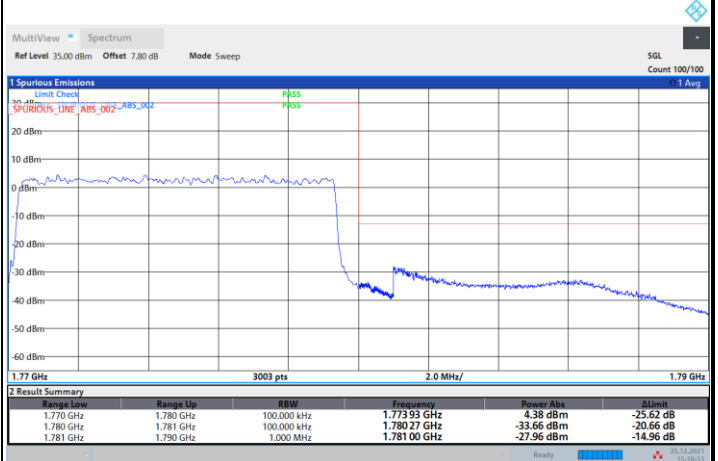
Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Range Low	Range Up	RBW	Frequency	Power/dBm	dBm/Hz
1.709 GHz	1.710 GHz	100.000 kHz	1.709 91 GHz	-26.88 dBm	-13.88 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.709 99 GHz	-30.11 dBm	-17.11 dB
1.710 GHz	1.710 GHz	100.000 kHz	1.716 97 GHz	4.16 dBm	-25.84 dB

15:21:44 25.12.2021



Range Low	Range Up	RBW	Frequency	Power/dBm	dBm/Hz
1.770 GHz	1.780 GHz	100.000 kHz	1.773 93 GHz	4.38 dBm	-25.62 dB
1.780 GHz	1.781 GHz	100.000 kHz	1.780 27 GHz	-33.66 dBm	-20.66 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.781 00 GHz	-27.96 dBm	-14.96 dB

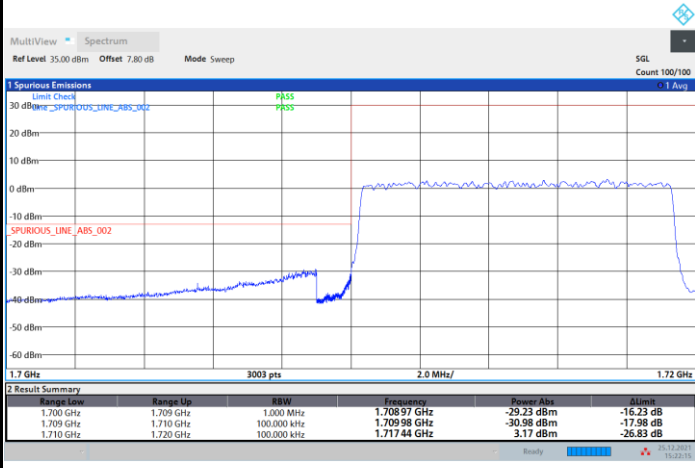
15:26:23 25.12.2021



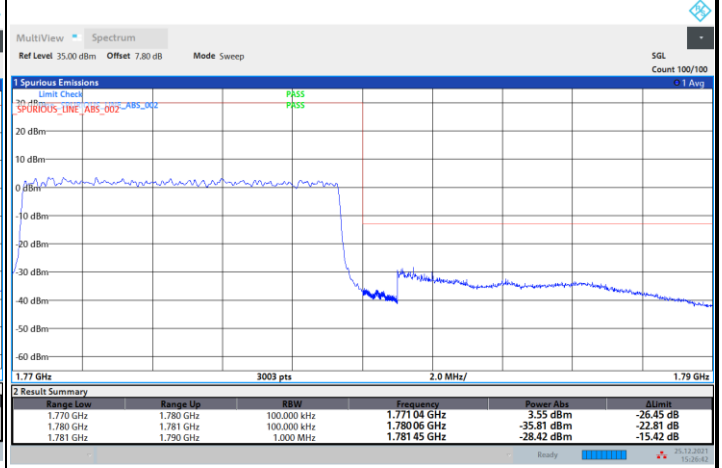
FR1 n66 / 10MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



15:22:16 25.12.2021



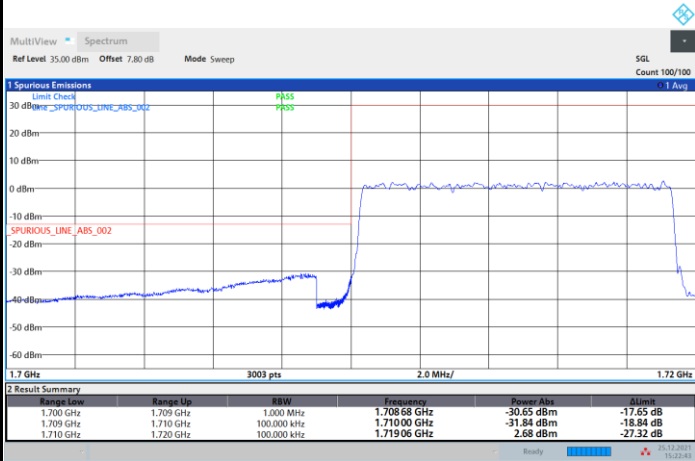
15:26:42 25.12.2021



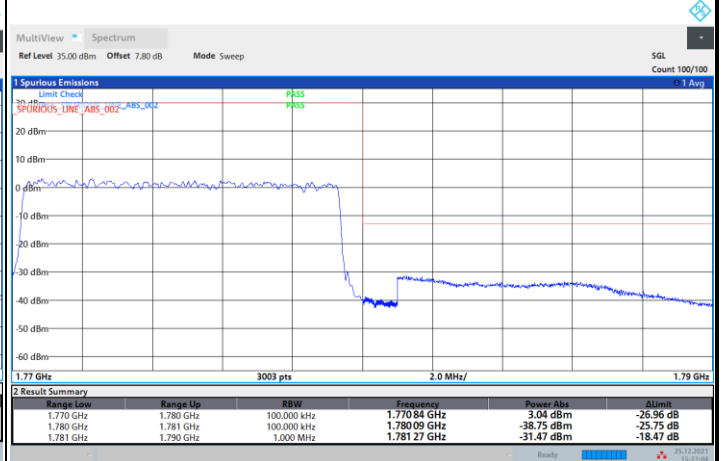
FR1 n66 / 10MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / Full RB

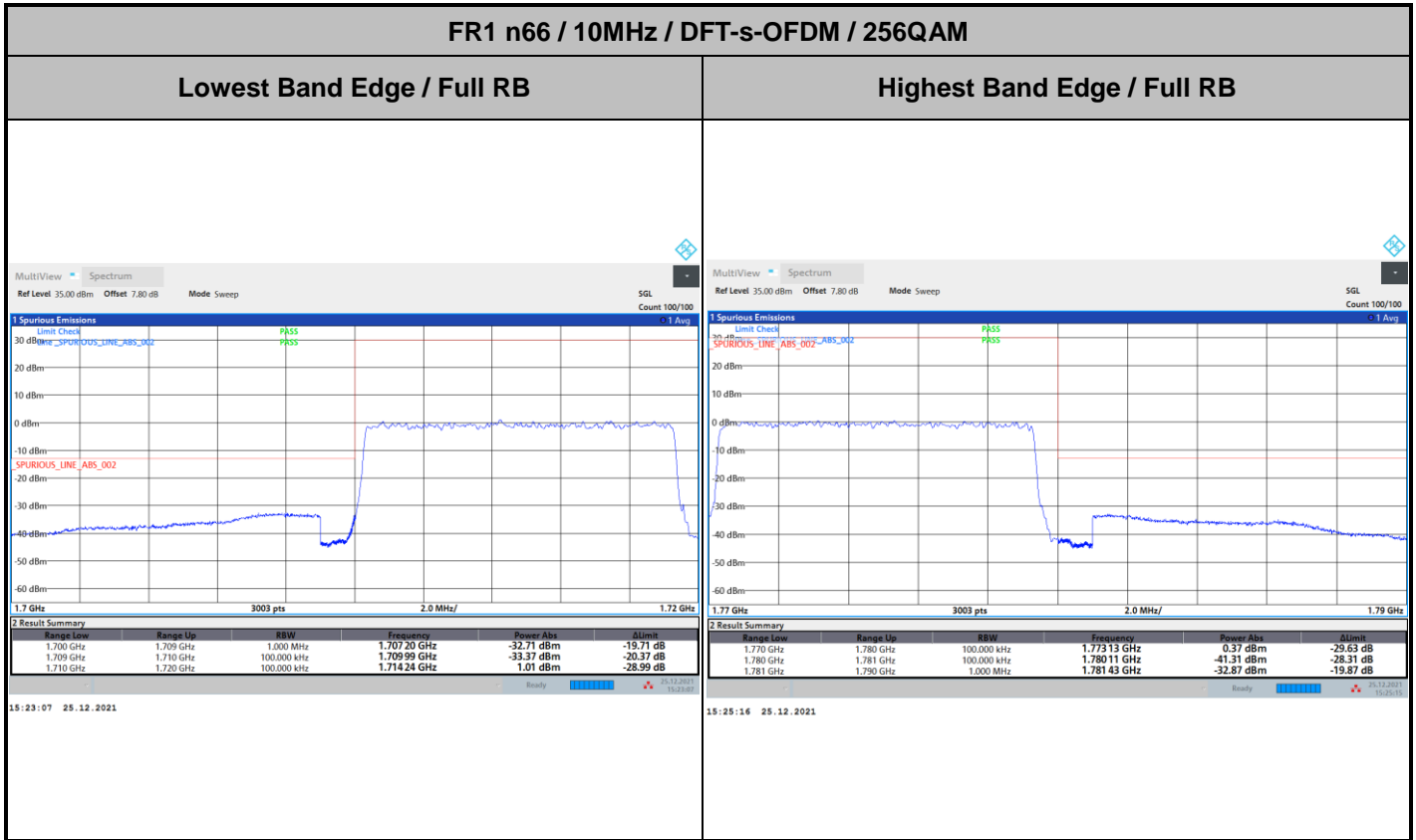
Highest Band Edge / Full RB



15:22:43 25.12.2021



15:27:04 25.12.2021

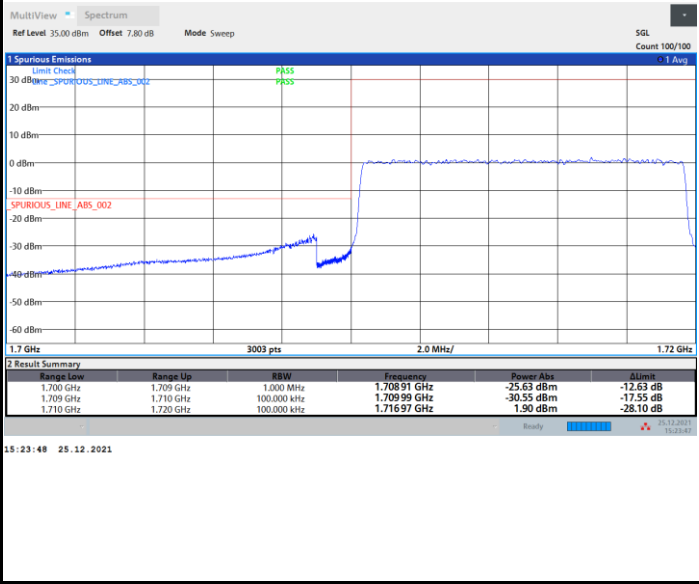




FR1 n66 / 10MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge

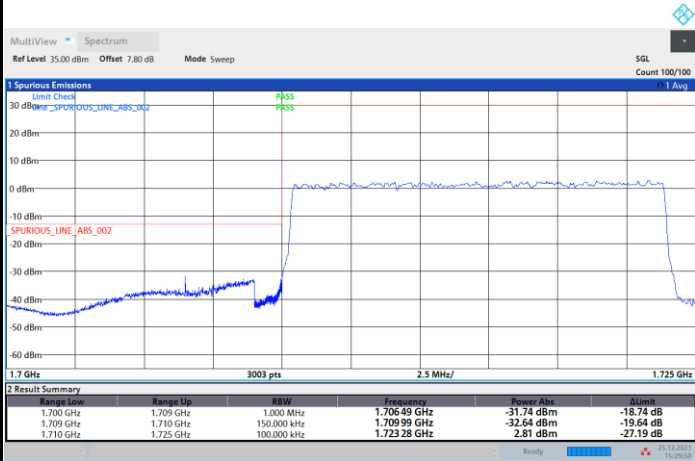




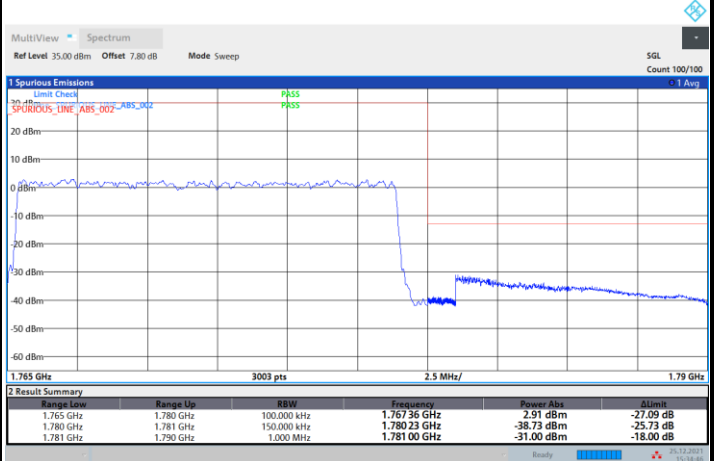
FR1 n66 / 15MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



15:29:51 25.12.2021



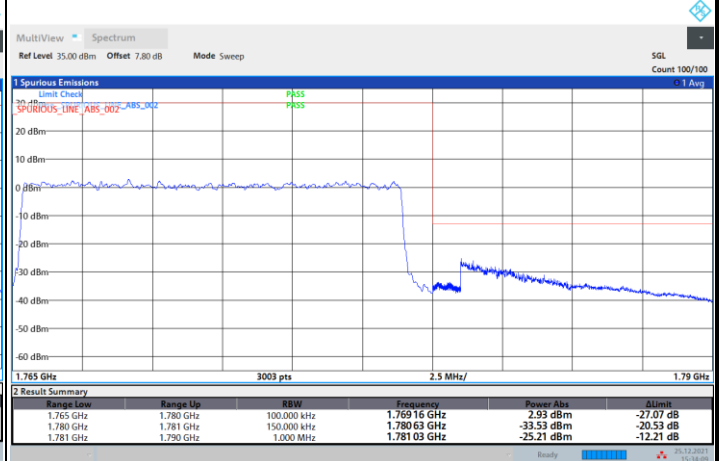
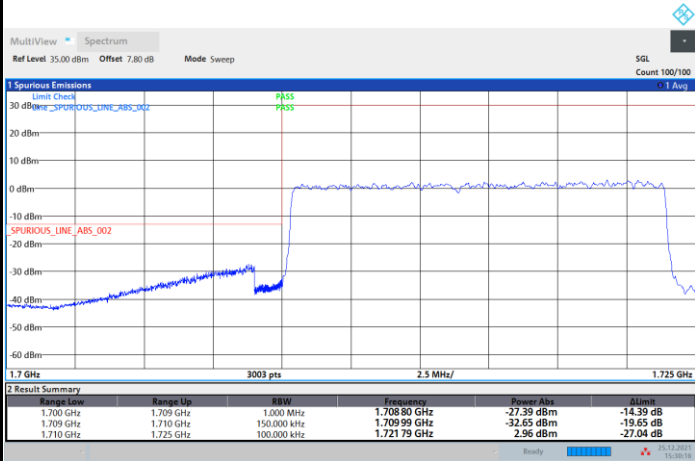
15:34:47 25.12.2021



FR1 n66 / 15MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

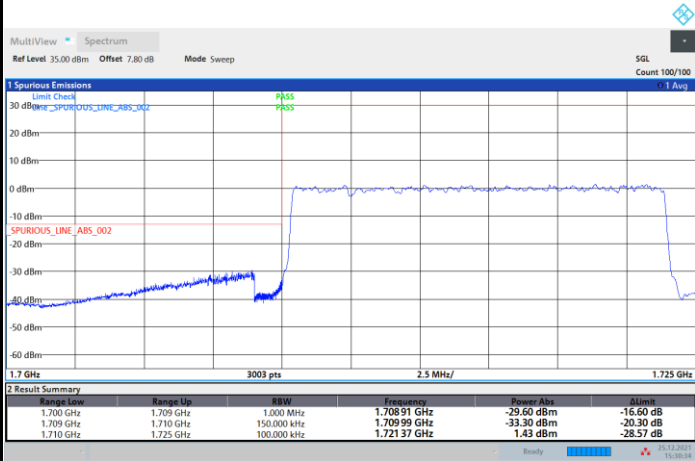




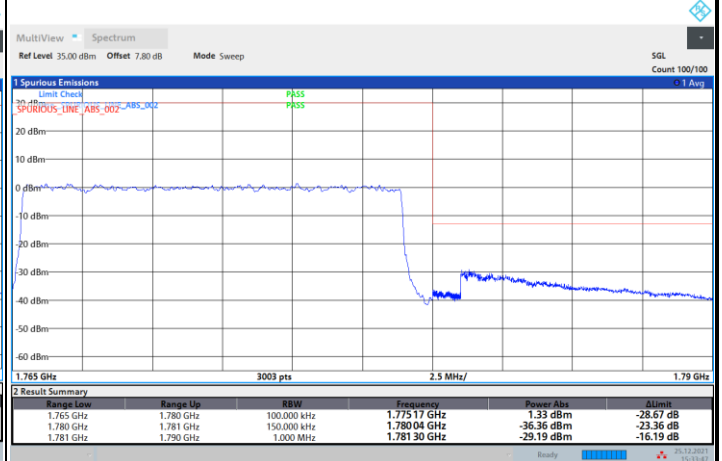
FR1 n66 / 15MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



15:30:34 25.12.2021



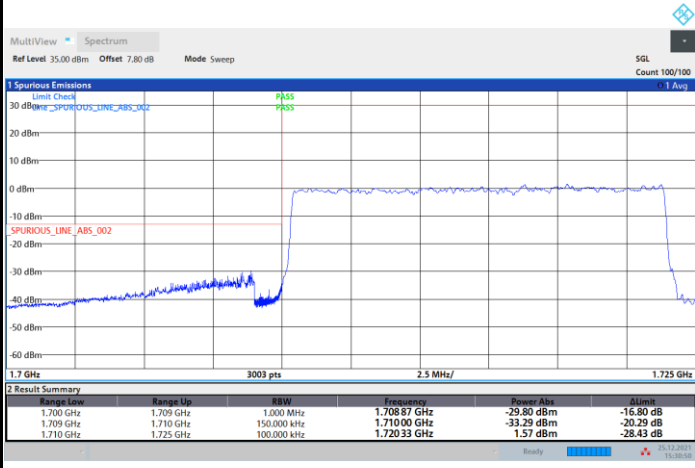
15:33:48 25.12.2021



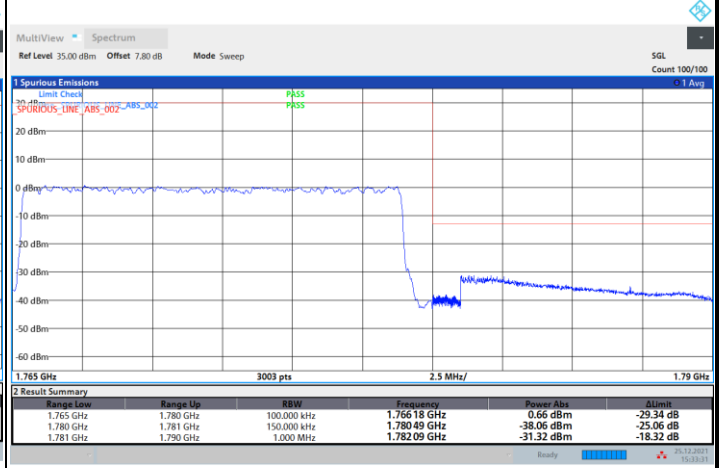
FR1 n66 / 15MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



15:30:50 25.12.2021



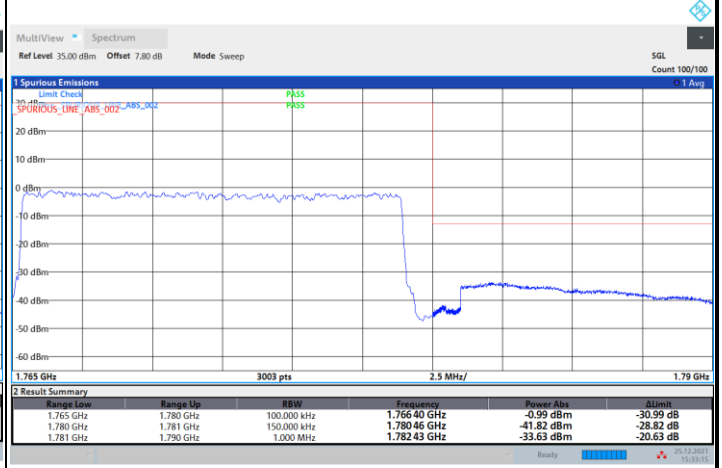
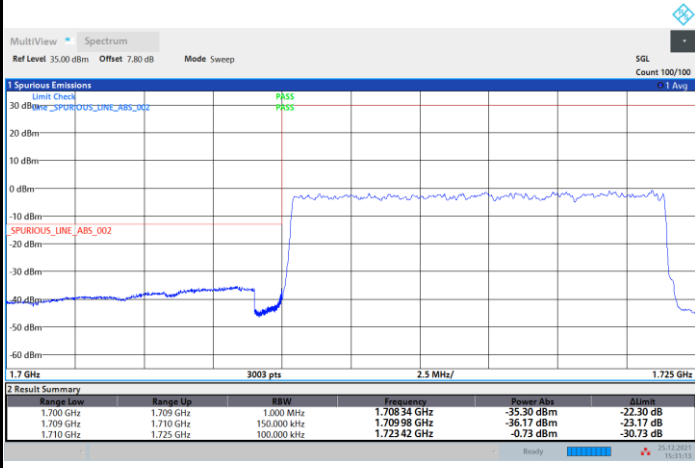
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FR1 n66 / 15MHz / DFT-s-OFDM / 256QAM

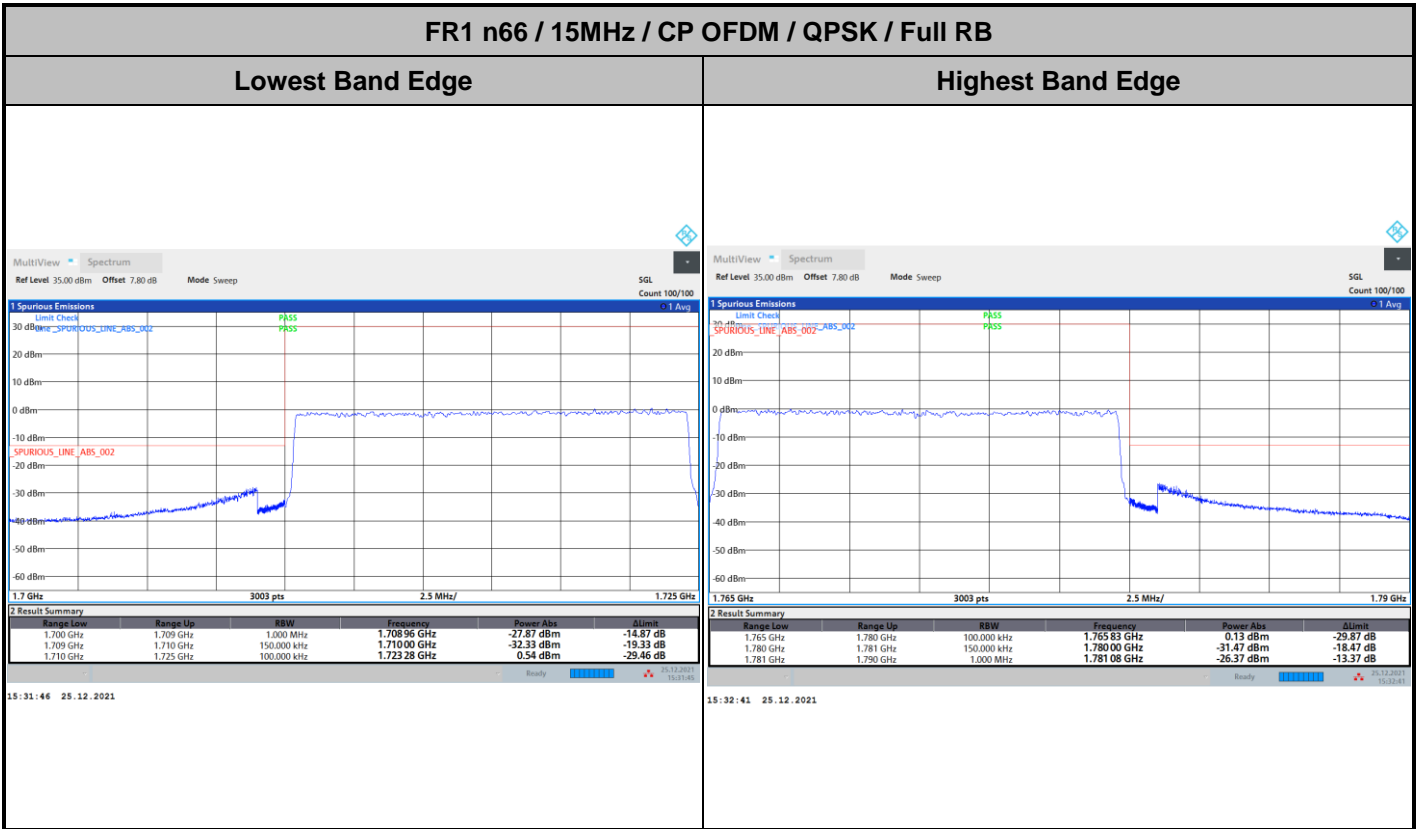
Lowest Band Edge / Full RB

Highest Band Edge / Full RB



15:31:14 25.12.2021

15:33:15 25.12.2021

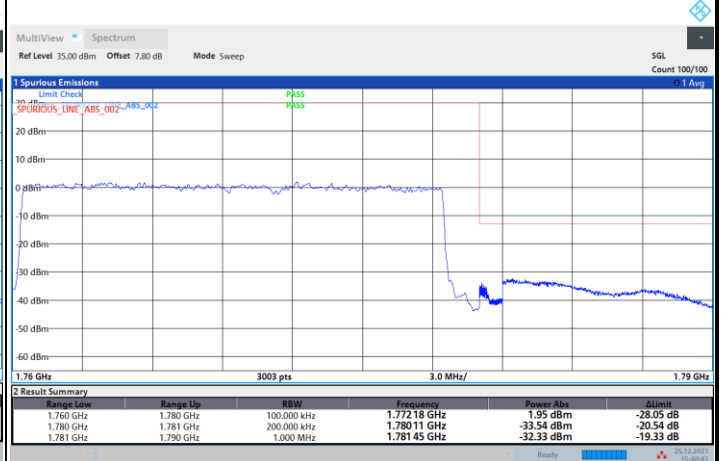
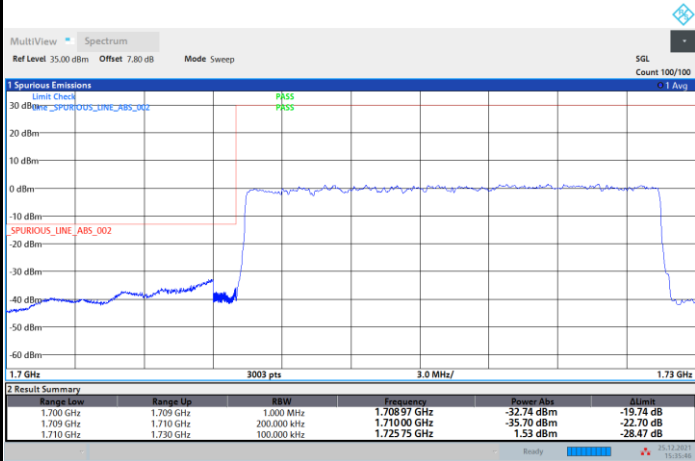




FR1 n66 / 20MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB





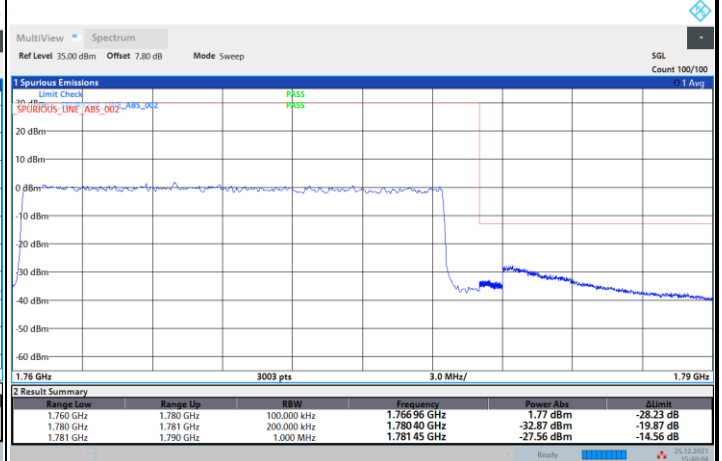
FR1 n66 / 20MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



15:36:01 25.12.2021



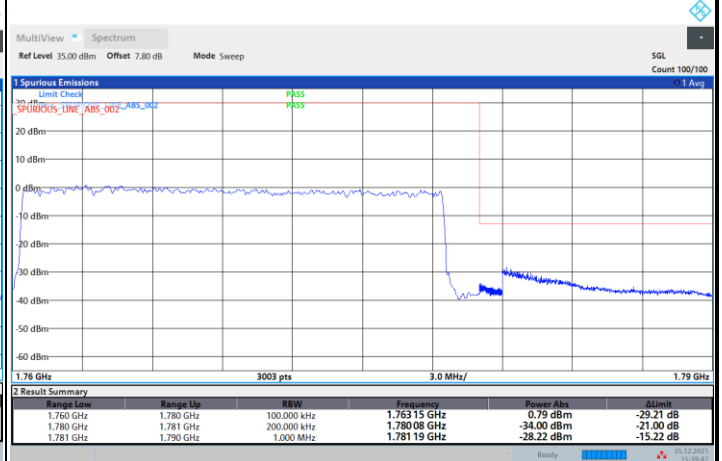
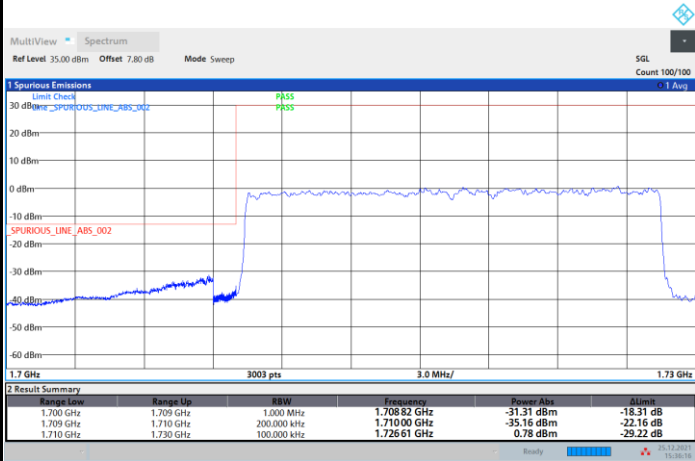
15:40:05 25.12.2021



FR1 n66 / 20MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

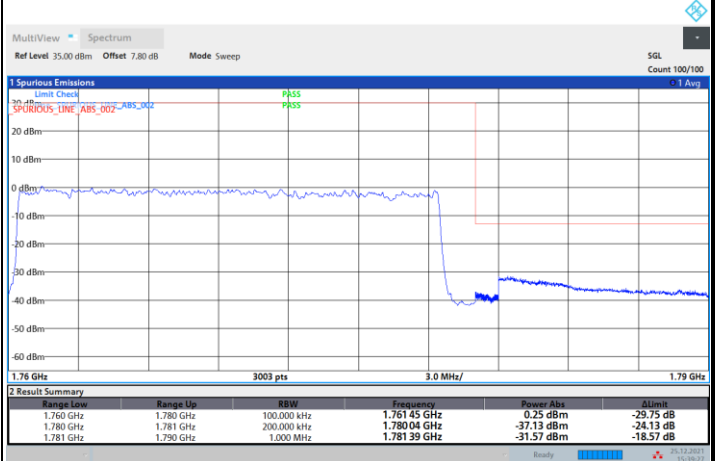
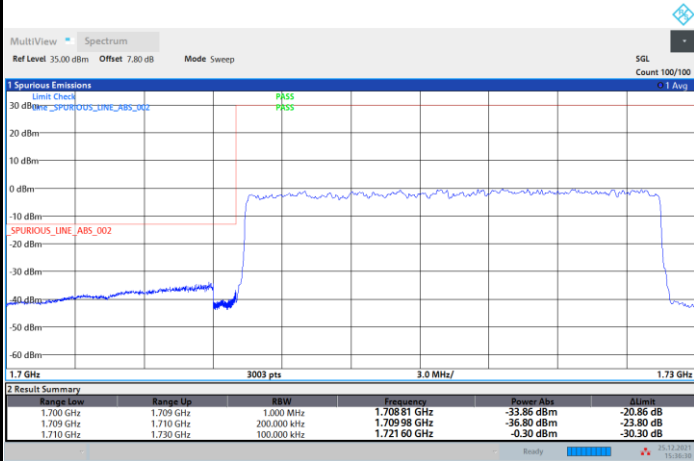




FR1 n66 / 20MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

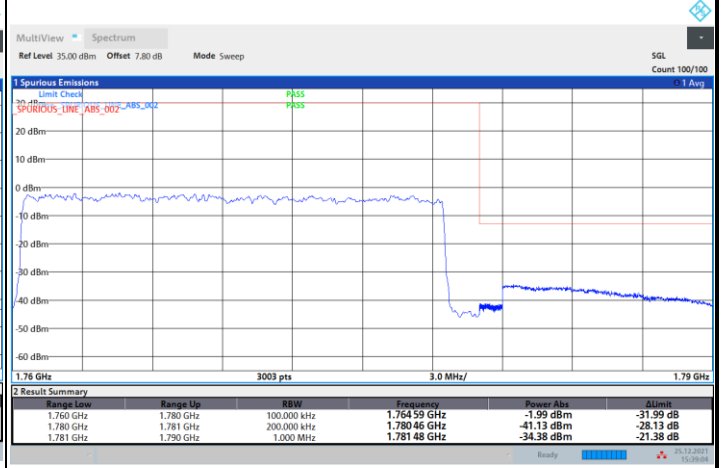
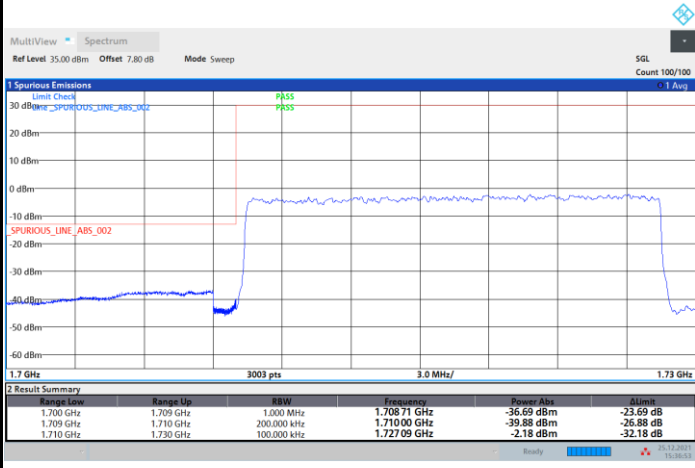


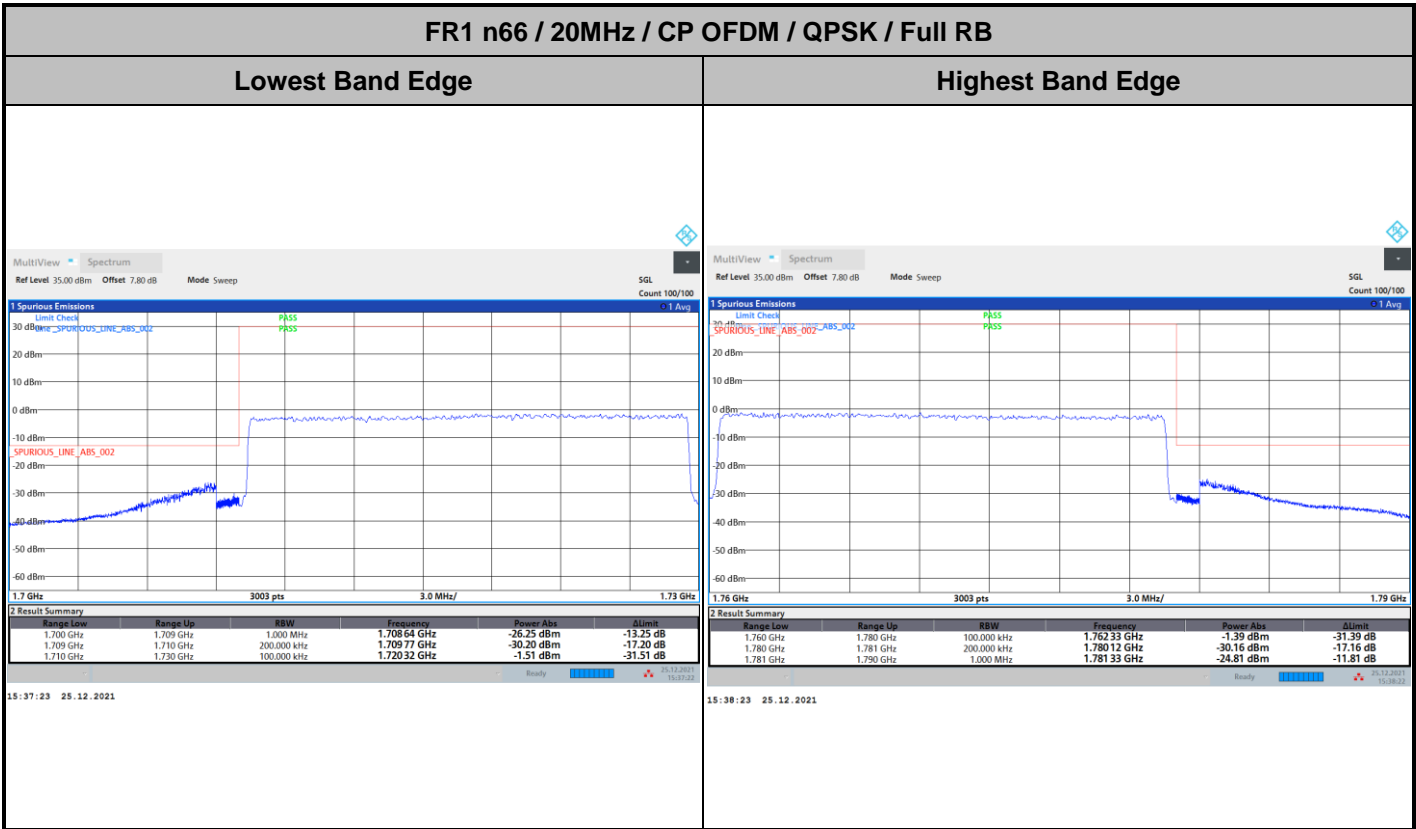


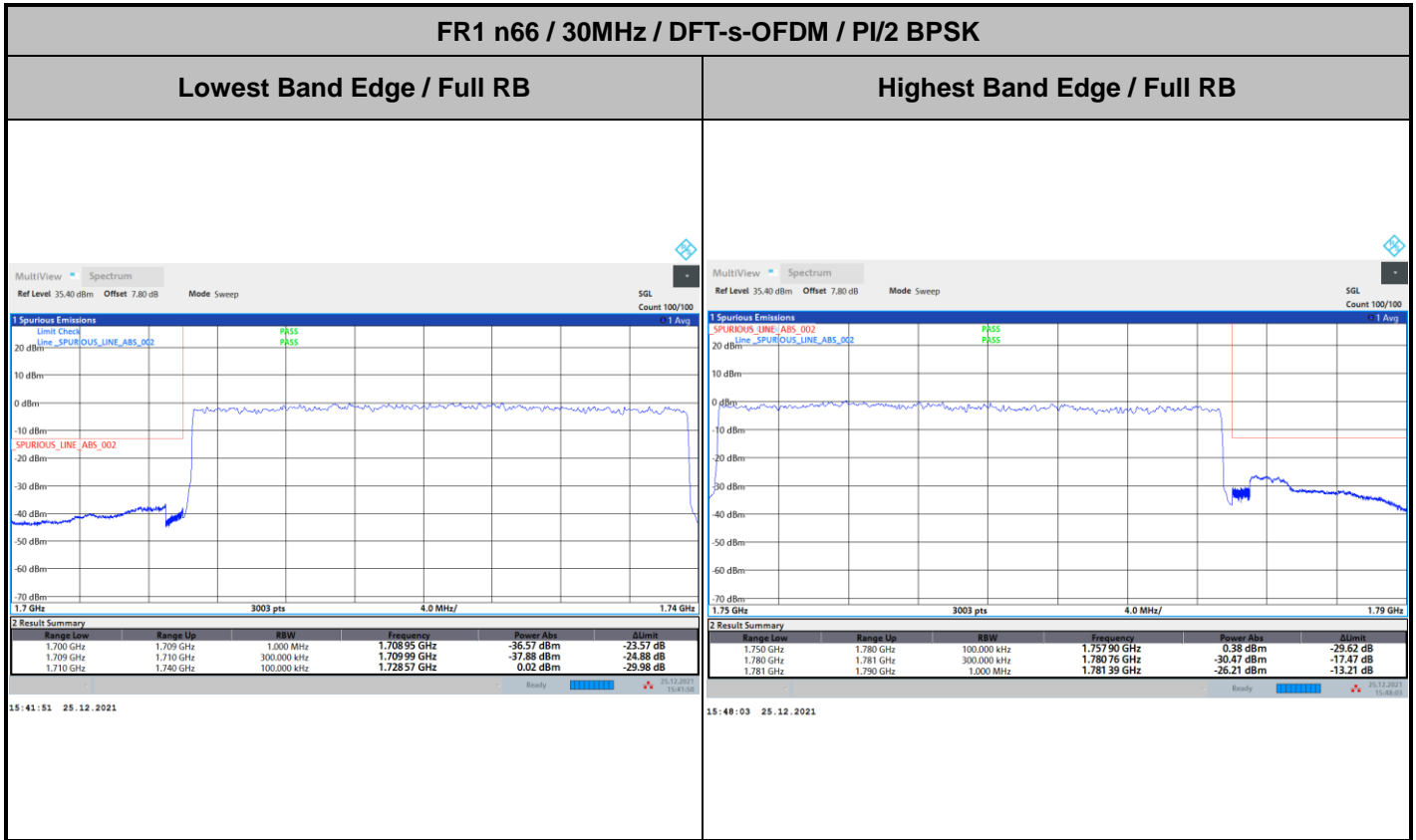
FR1 n66 / 20MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB





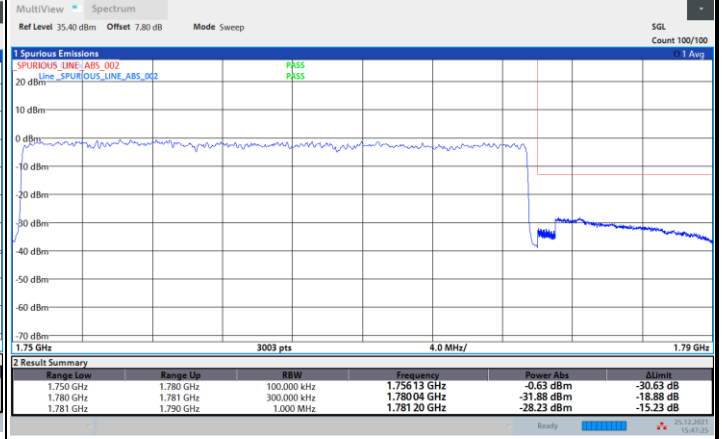
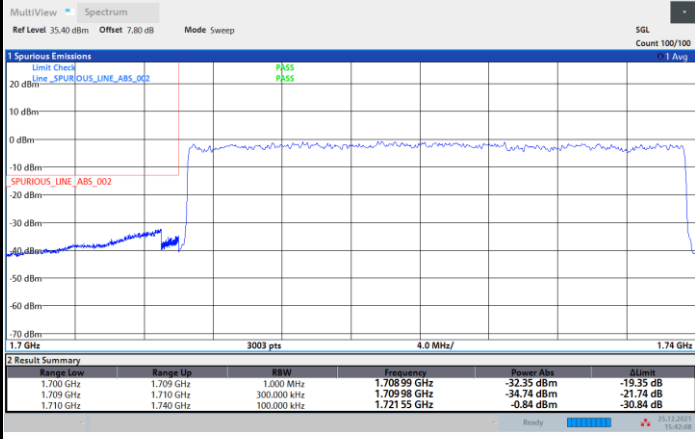




FR1 n66 / 30MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

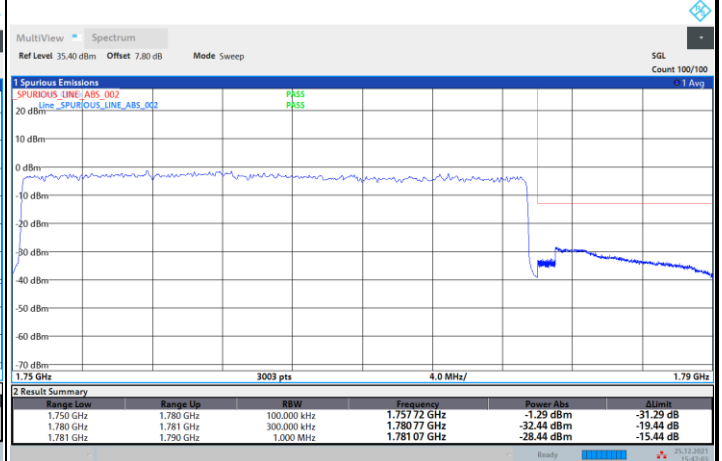
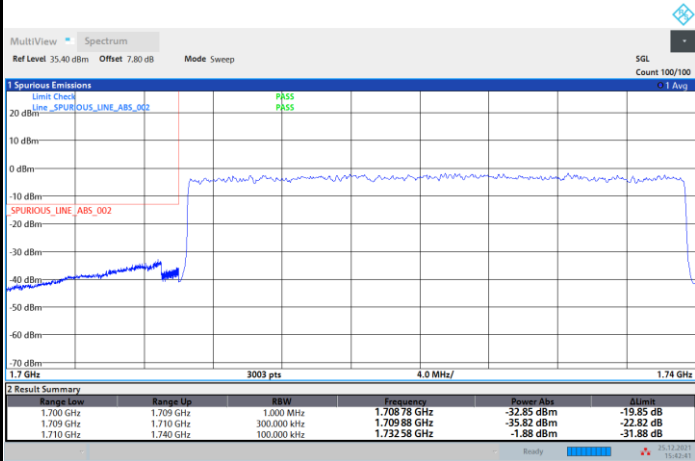




FR1 n66 / 30MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

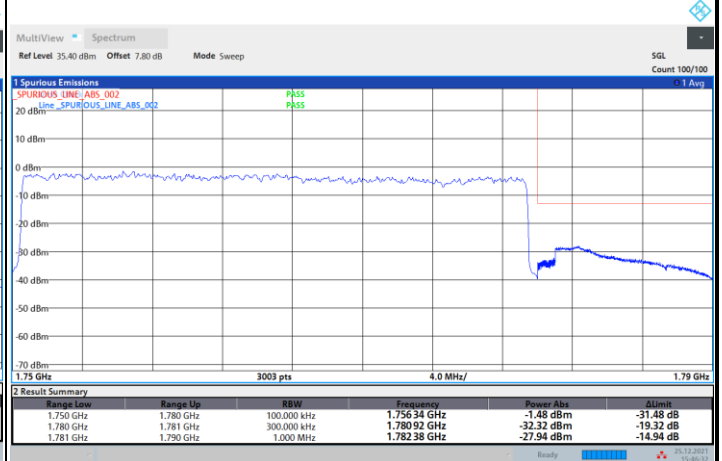
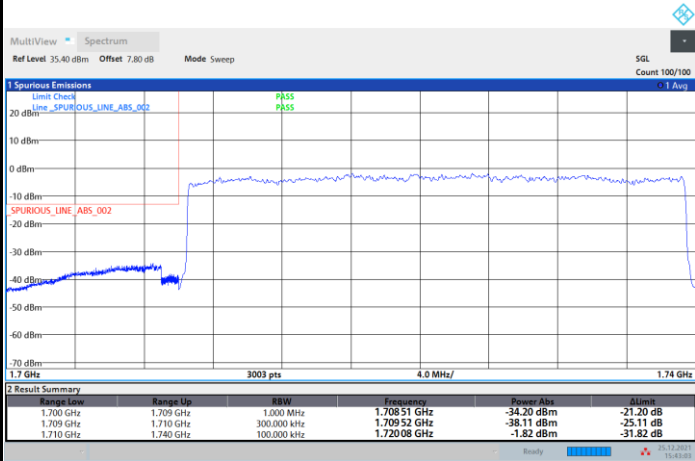




FR1 n66 / 30MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

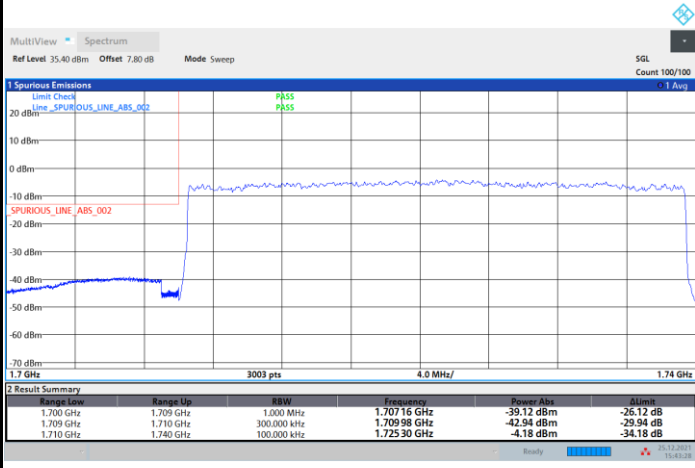




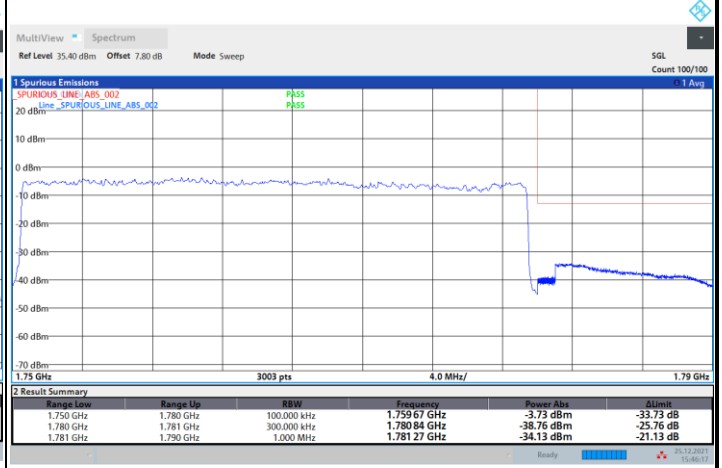
FR1 n66 / 30MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



15:43:28 25.12.2021



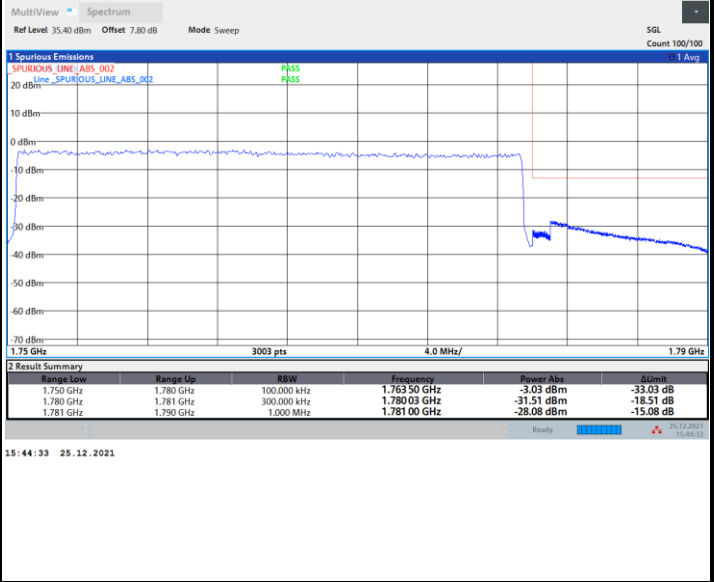
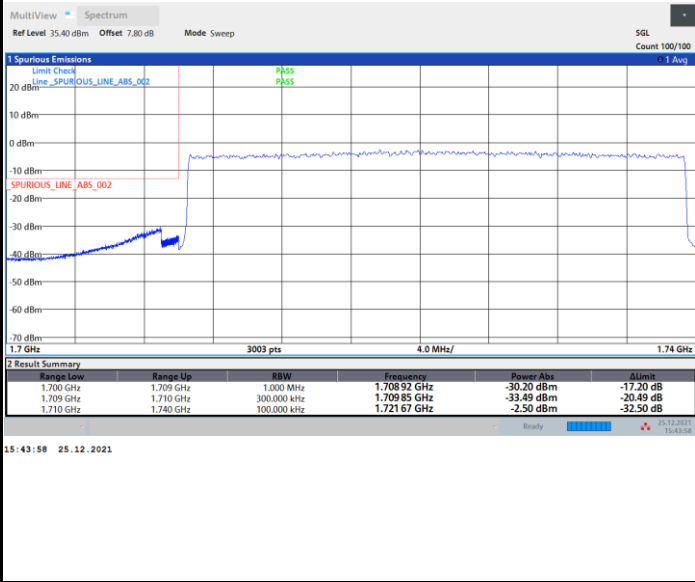
15:46:18 25.12.2021



FR1 n66 / 30MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge

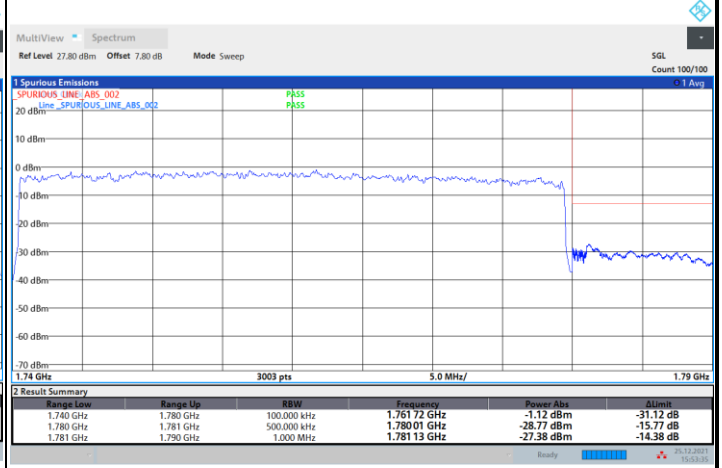
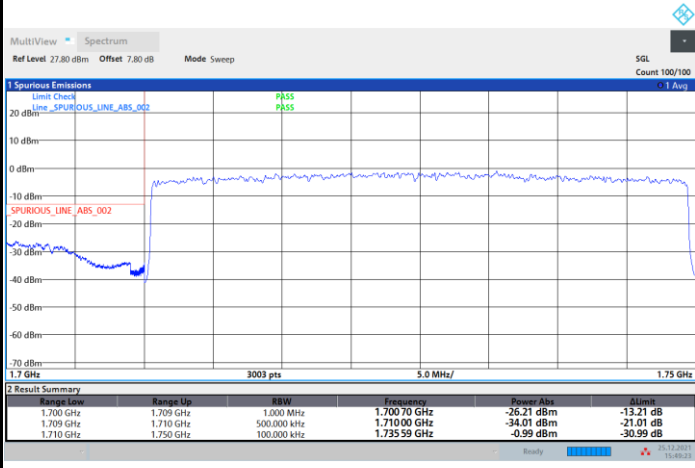




FR1 n66 / 40MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

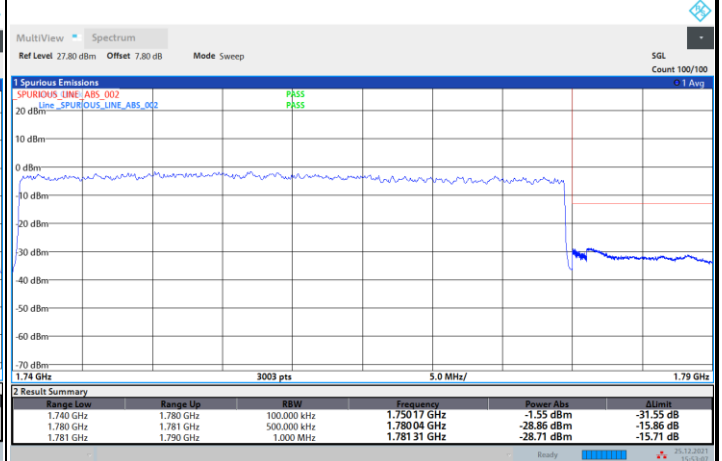
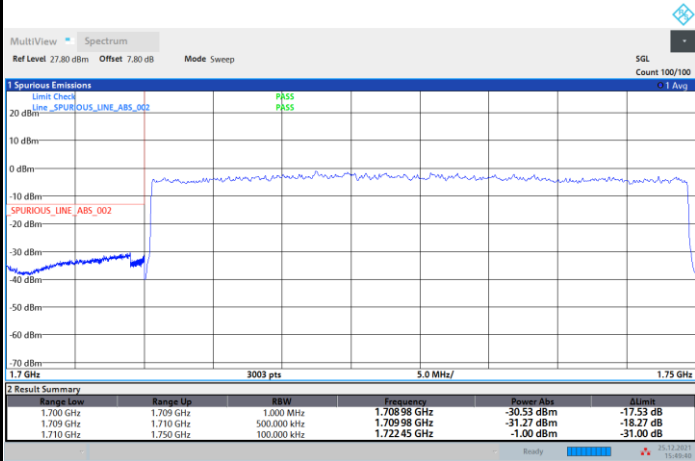




FR1 n66 / 40MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

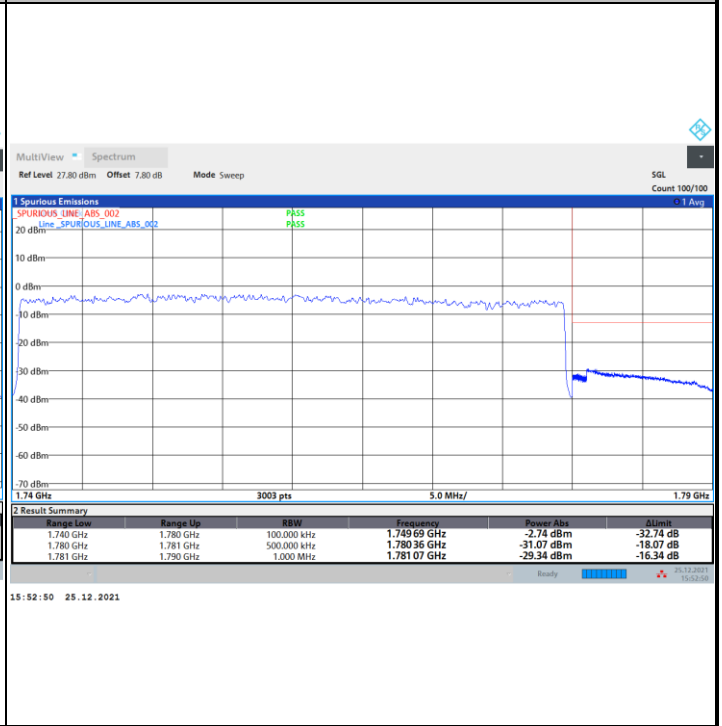
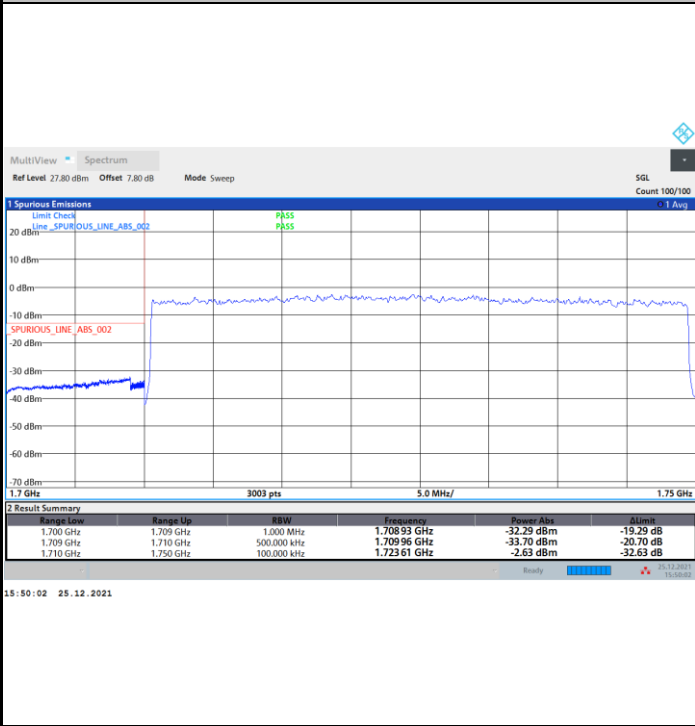




FR1 n66 / 40MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

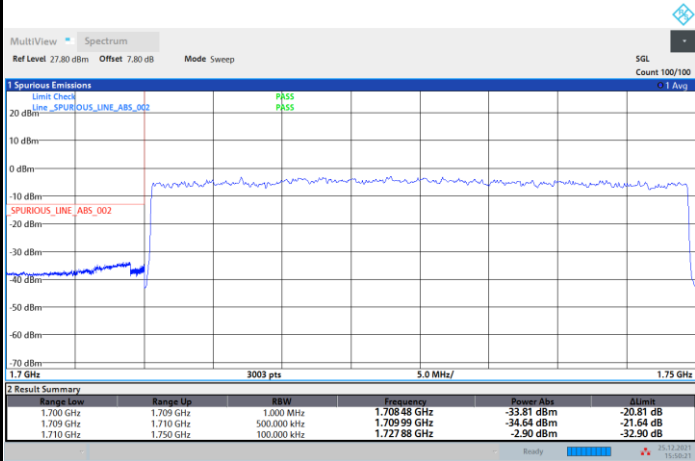




FR1 n66 / 40MHz / DFT-s-OFDM / 64QAM

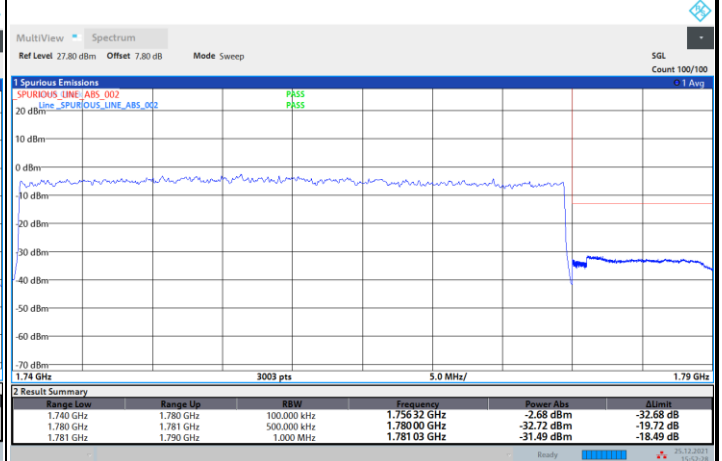
Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Range Low	Range Up	RBW	Frequency	Power / dBm	dBm
1.709 GHz	1.709 GHz	1.000 MHz	1.708 48 GHz	-33.81 dBm	-20.81 dB
1.709 GHz	1.710 GHz	500.000 kHz	1.709 99 GHz	-34.64 dBm	-21.64 dB
1.710 GHz	1.750 GHz	100.000 kHz	1.727 88 GHz	-2.90 dBm	-32.90 dB

15:50:21 25.12.2021



Range Low	Range Up	RBW	Frequency	Power / dBm	dBm
1.780 GHz	1.780 GHz	100.000 kHz	1.756 32 GHz	-2.68 dBm	-32.68 dB
1.780 GHz	1.781 GHz	500.000 kHz	1.780 00 GHz	-32.72 dBm	-19.72 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.781 03 GHz	-31.49 dBm	-18.49 dB

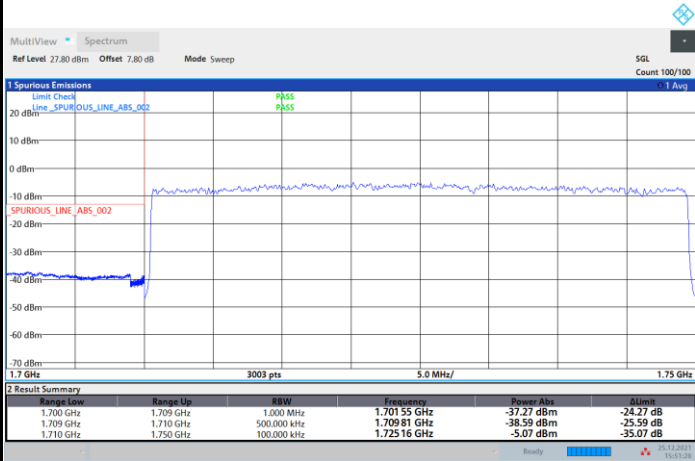
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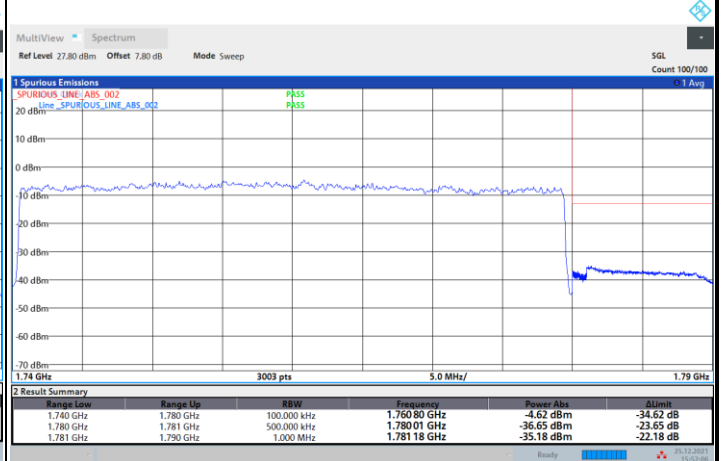
FR1 n66 / 40MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



15:51:26 25.12.2021



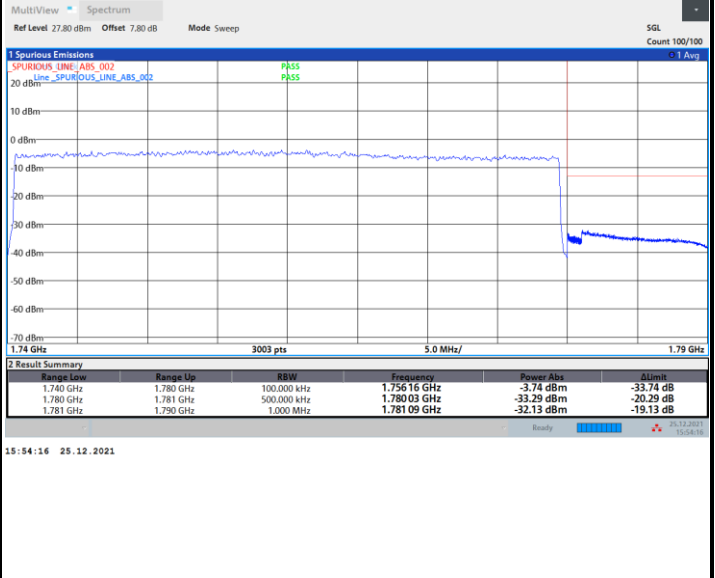
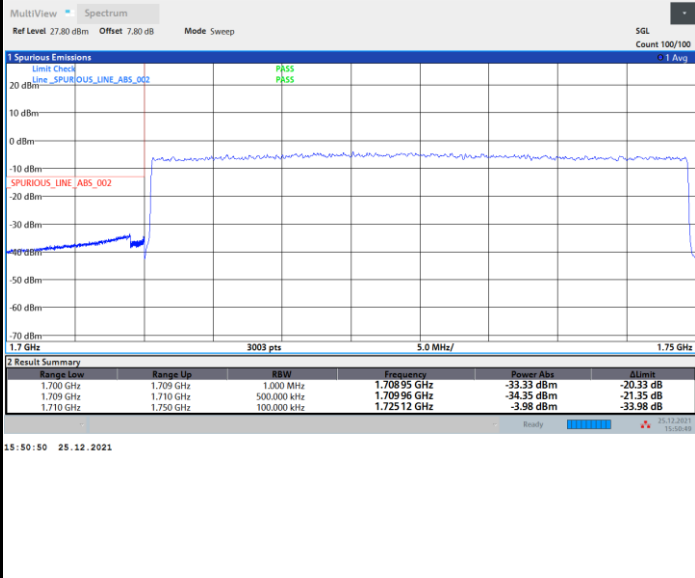
15:52:07 25.12.2021



FR1 n66 / 40MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge



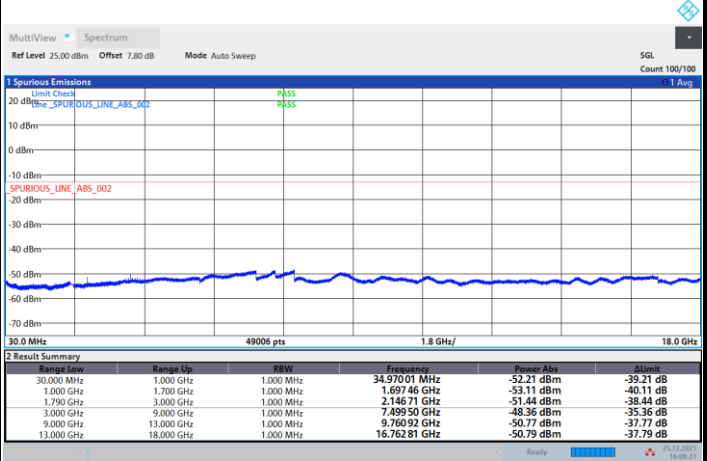
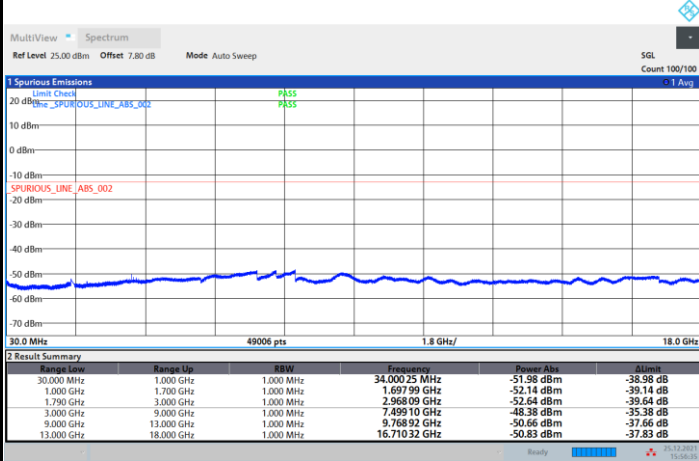


Conducted Spurious Emission

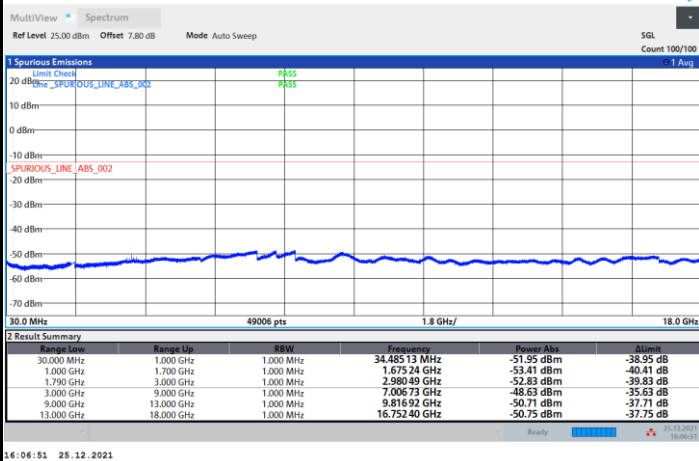
FR1 n66 / 5MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel

Middle Channel



Highest Channel





Frequency Stability

Test Conditions		FR1 n66 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0017	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0048	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0070	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0051	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0021	

Note:

1. Normal Voltage =14 V. ; Battery End Point (BEP) = 12 V. ; Maximum Voltage =16 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



FR1 n71

Peak-to-Average Ratio

Mode	FR1 n71 / 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	3.64	4.41	5.45	5.83	PASS
Mode	FR1 n71 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.63				PASS