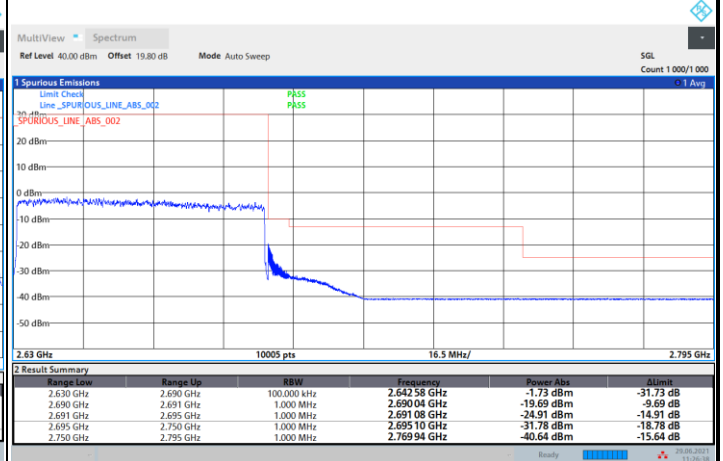
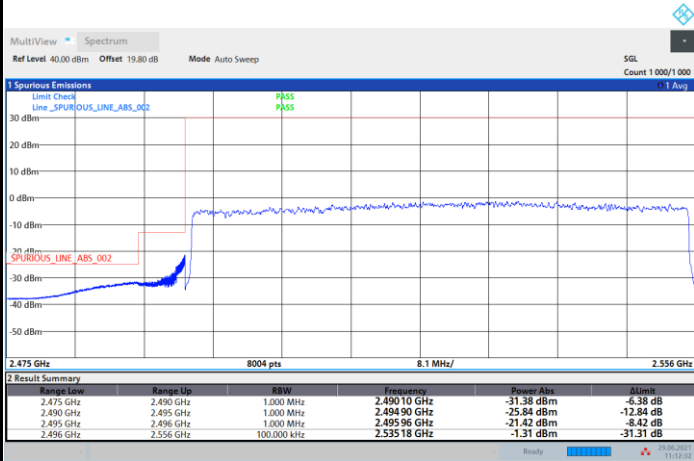




FR1 n41 / 60MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



11:12:32 29.06.2021

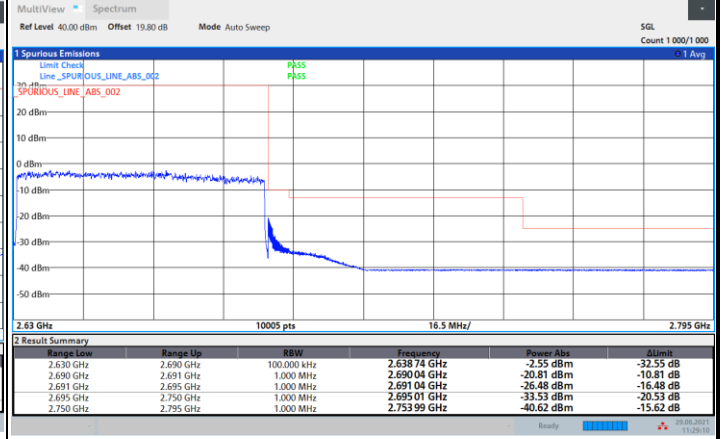
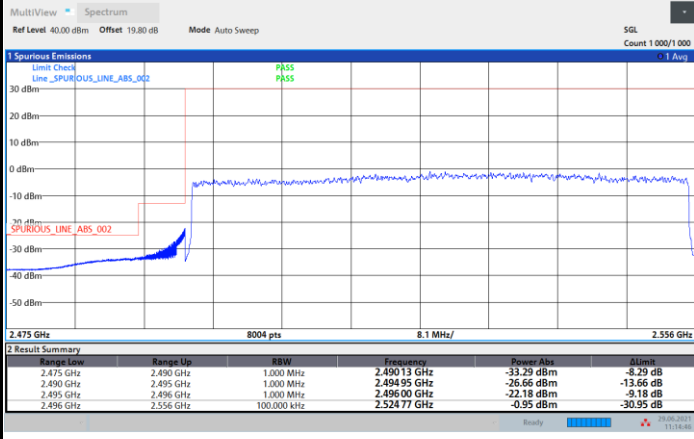
11:26:38 29.06.2021



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

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



11:14:47 29.06.2021

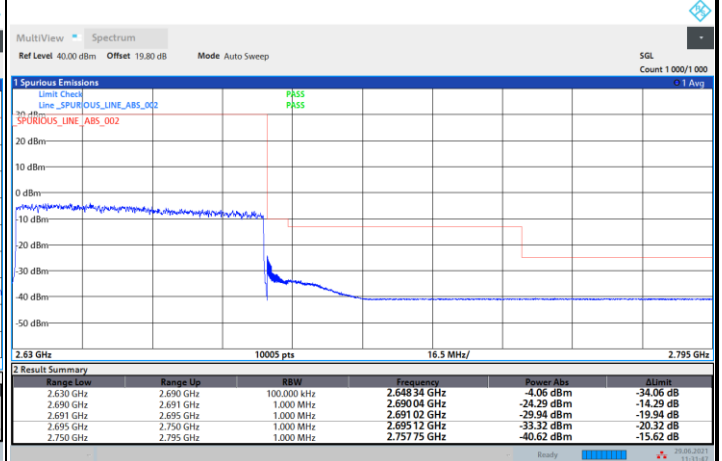
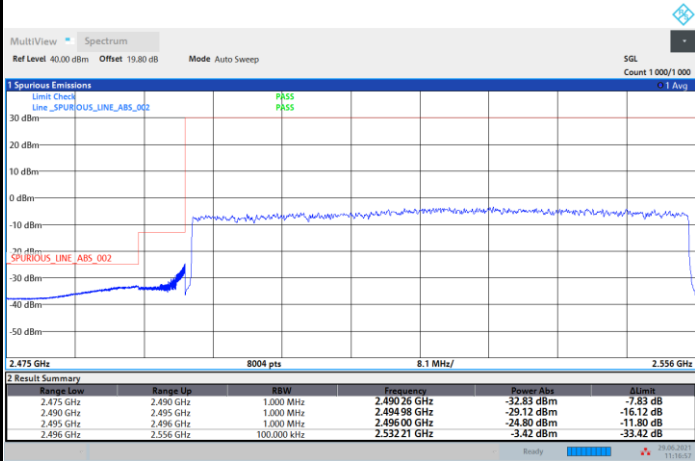
11:29:11 29.06.2021



FR1 n41 / 60MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

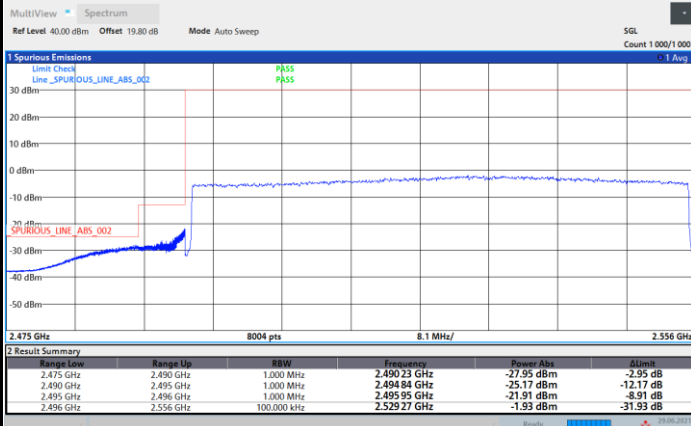




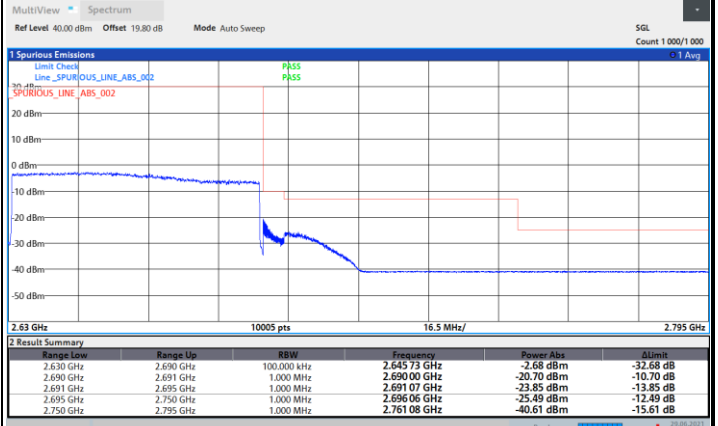
FR1 n41 / 60MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

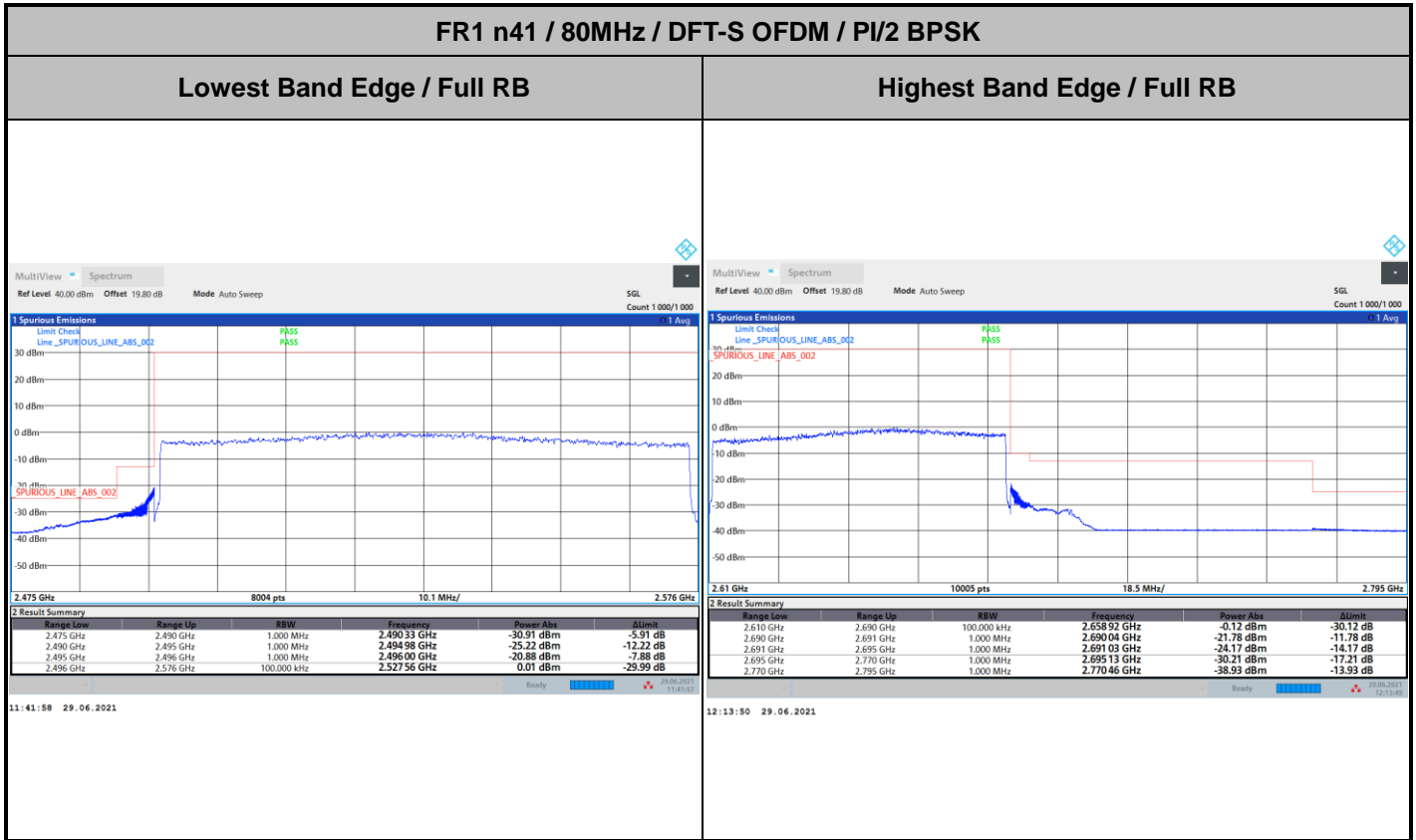
Highest Band Edge



11:19:16 29.06.2021



11:22:00 29.06.2021

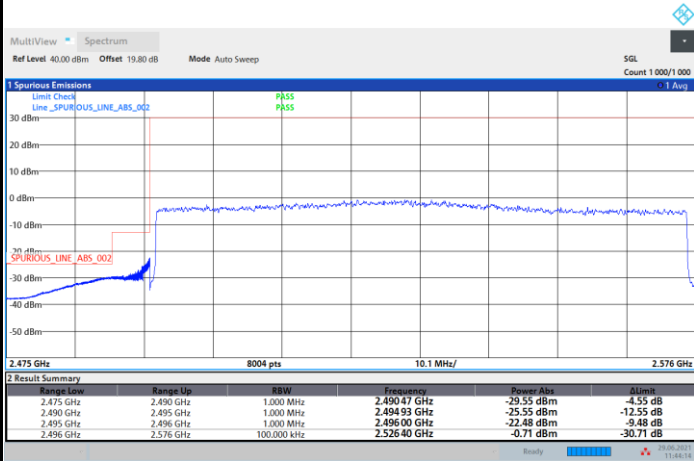




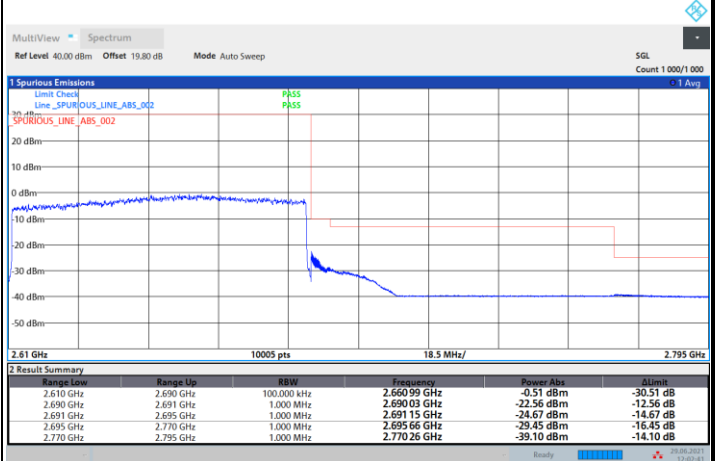
FR1 n41 / 80MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



11:44:14 29.06.2021



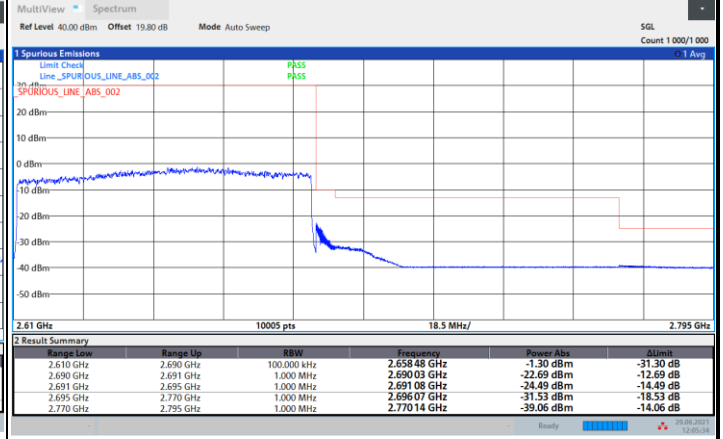
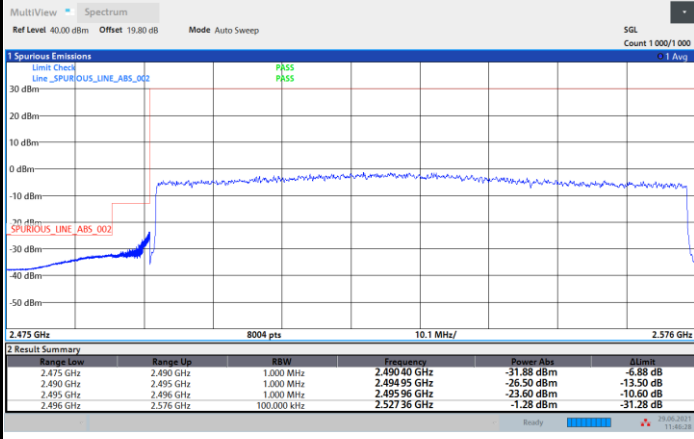
12:02:41 29.06.2021



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

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

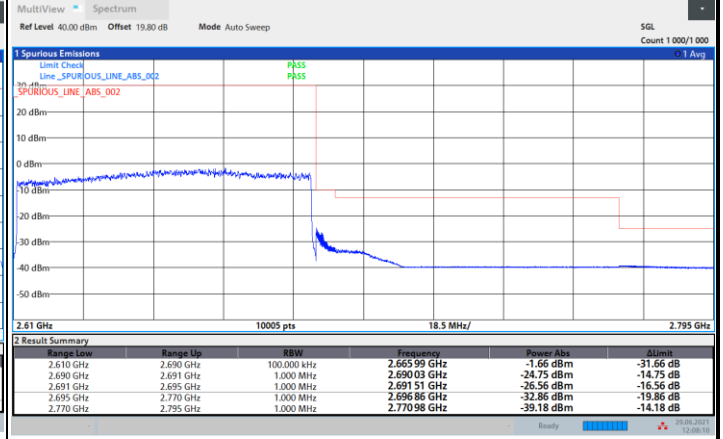
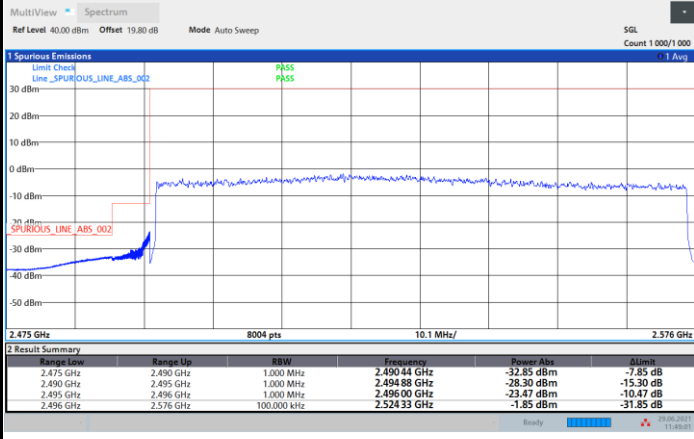




FR1 n41 / 80MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



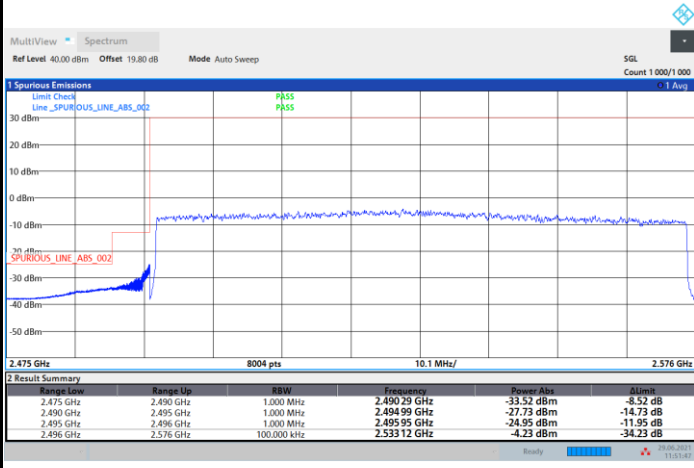




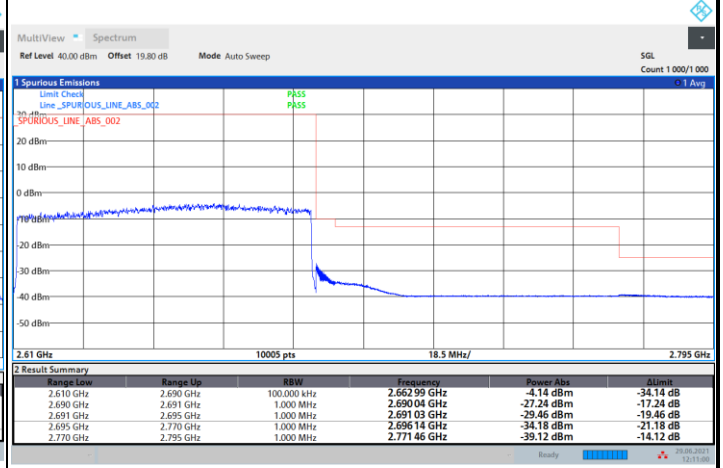
FR1 n41 / 80MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



11:51:48 29.06.2021



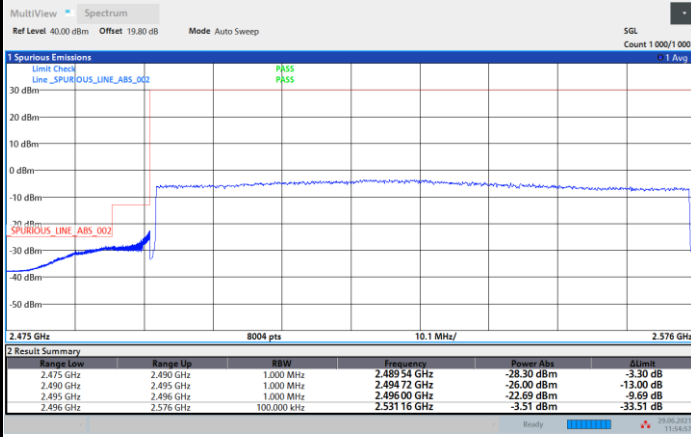
12:11:01 29.06.2021



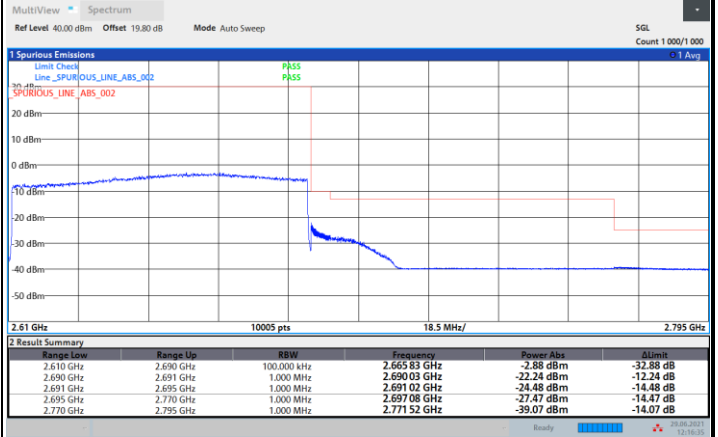
FR1 n41 / 80MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge



11:54:57 29.06.2021



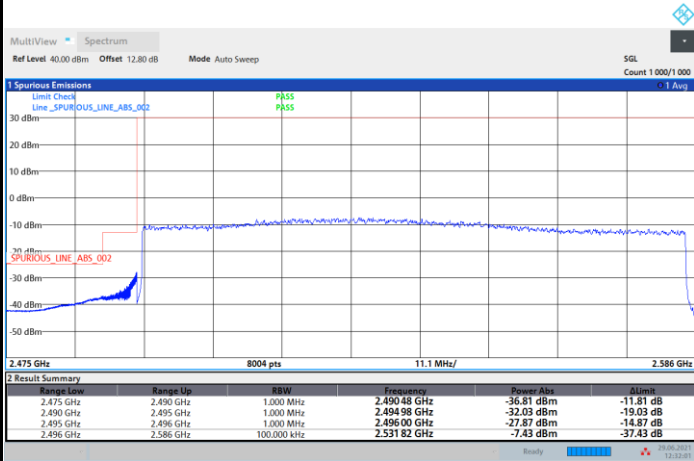
12:16:36 29.06.2021



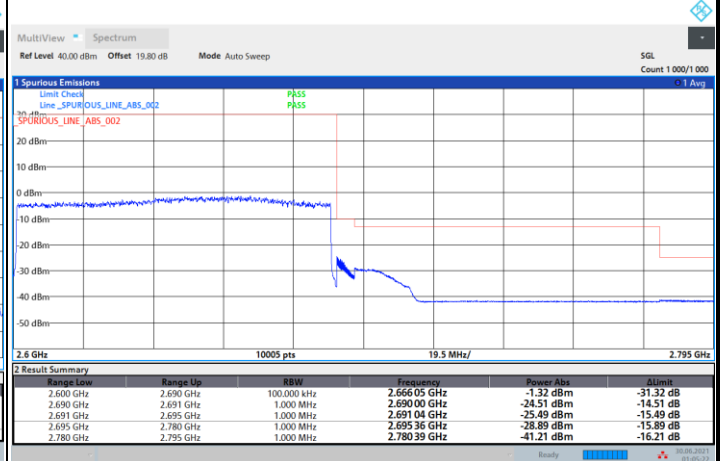
FR1 n41 / 90MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



12:32:02 29.06.2021



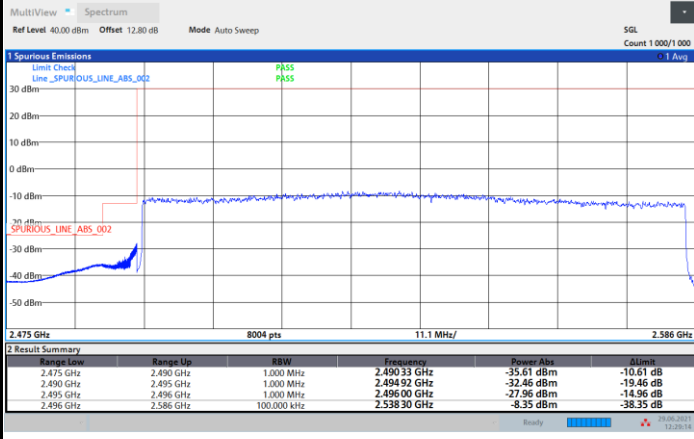
01:05:23 30.06.2021



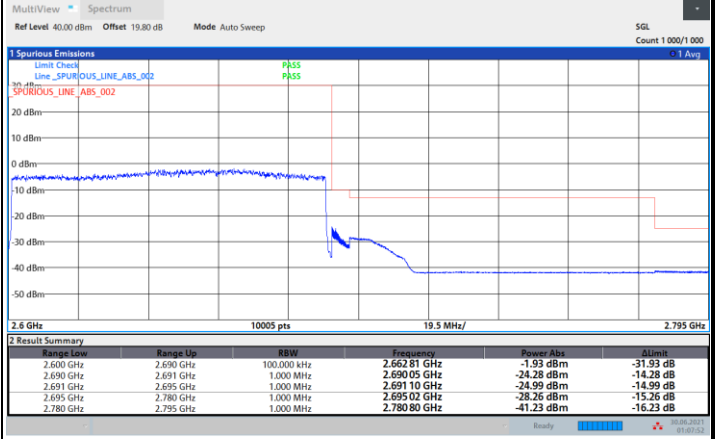
FR1 n41 / 90MHz / DFT-S OFDM / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



12:29:14 29.06.2021



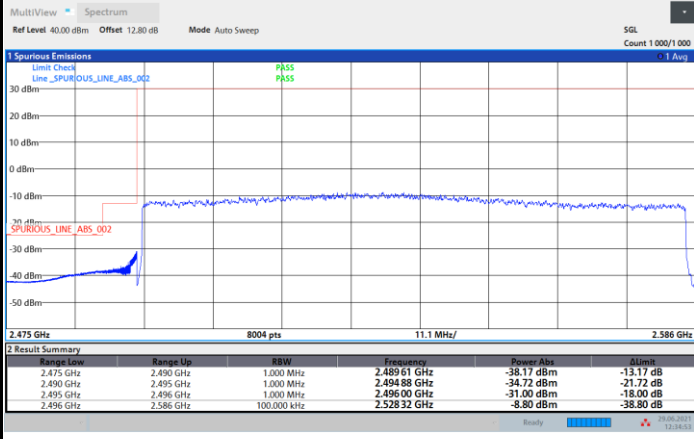
01:07:53 30.06.2021



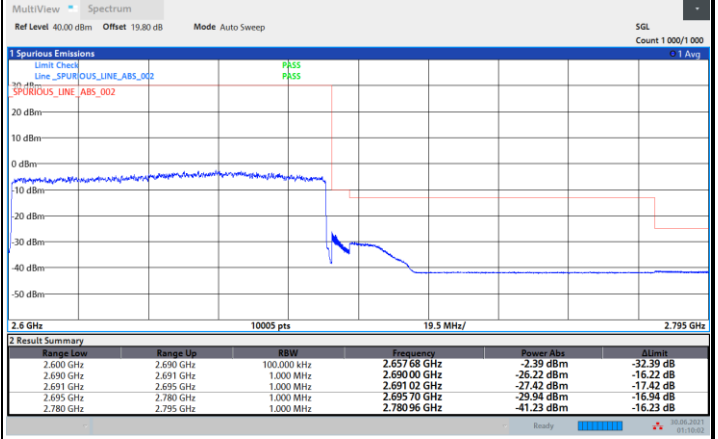
FR1 n41 / 90MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



12:34:54 29.06.2021



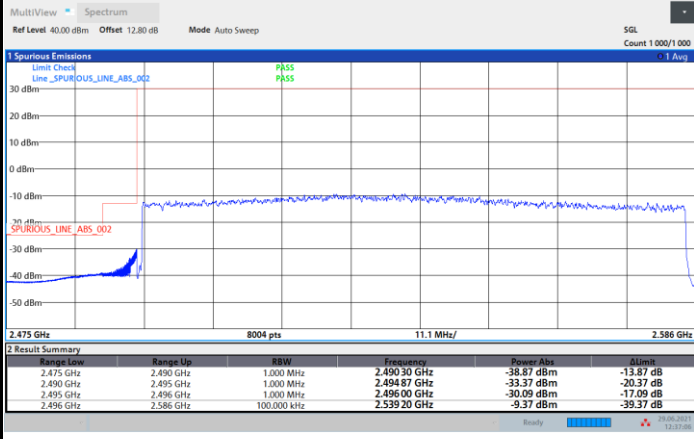
01:10:03 30.06.2021



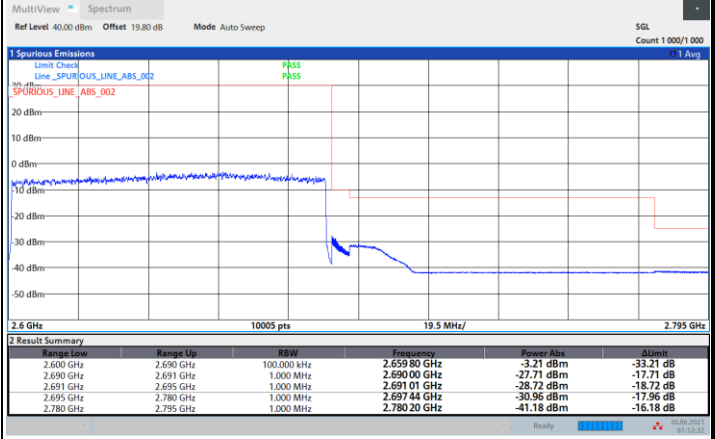
FR1 n41 / 90MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



12:37:07 29.06.2021



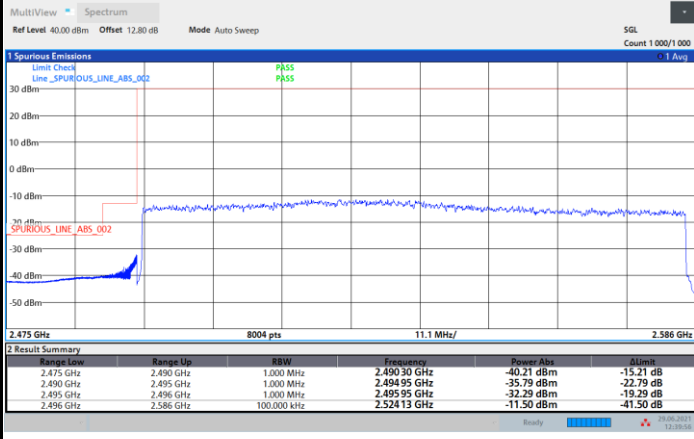
01:12:32 30.06.2021



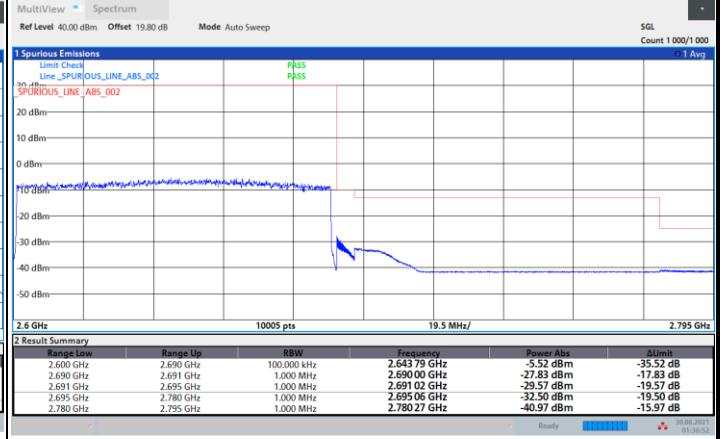
FR1 n41 / 90MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



12:39:56 29.06.2021



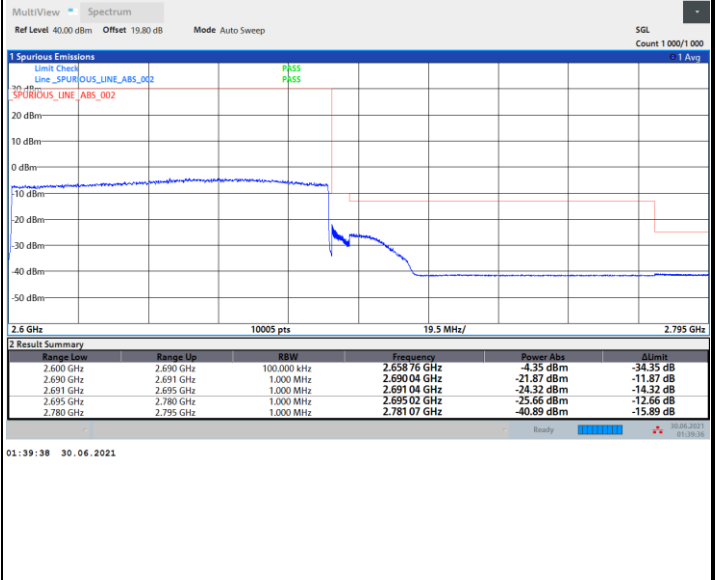
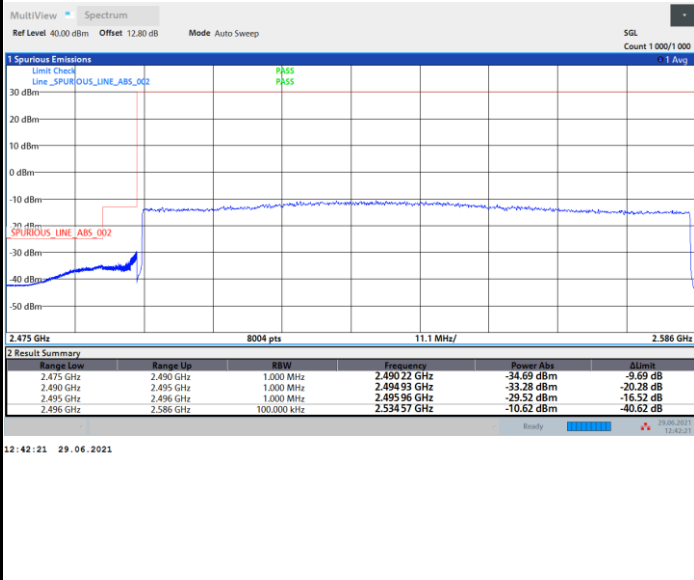
01:36:53 30.06.2021



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

Lowest Band Edge

Highest Band Edge



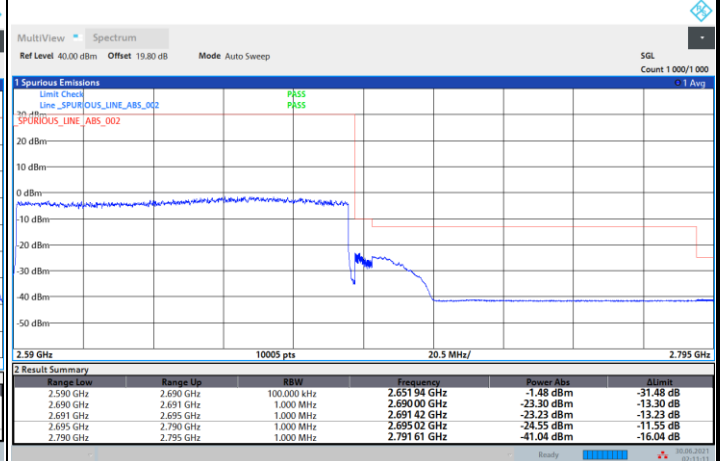
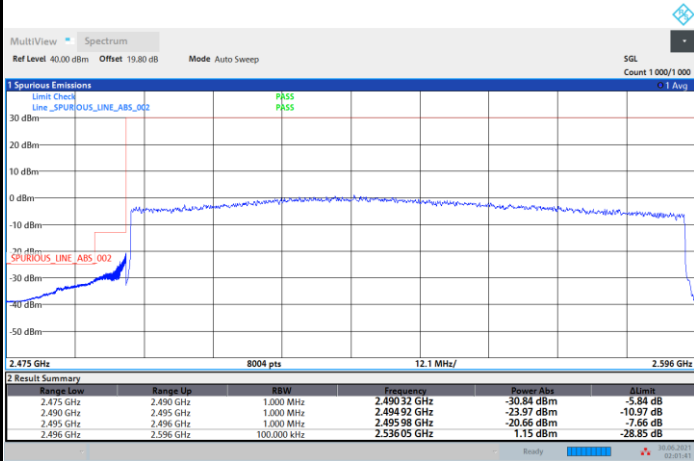




FR1 n41 / 100MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



02:01:42 30.06.2021

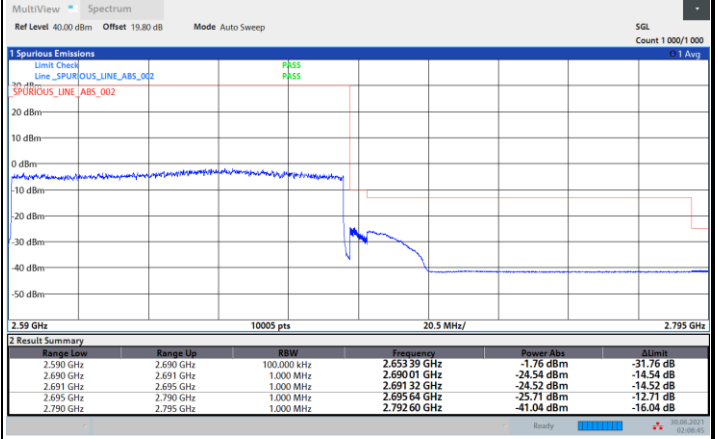
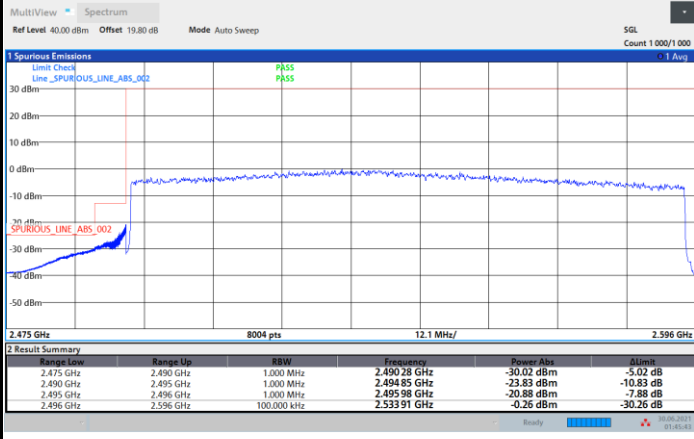
02:11:11 30.06.2021



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

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

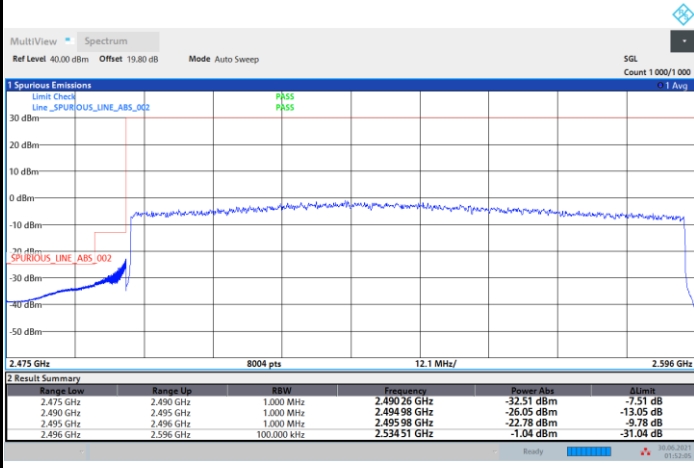




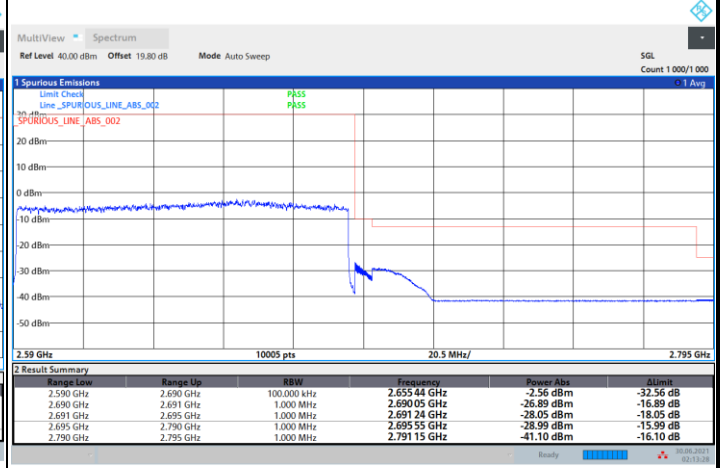
FR1 n41 / 100MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



01:52:05 30.06.2021



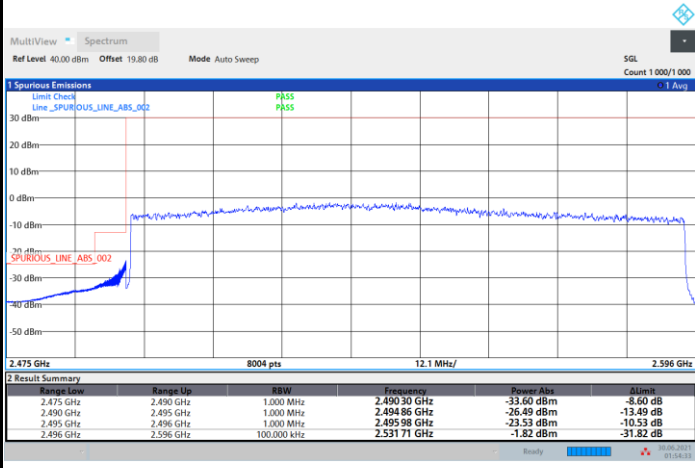
02:13:29 30.06.2021



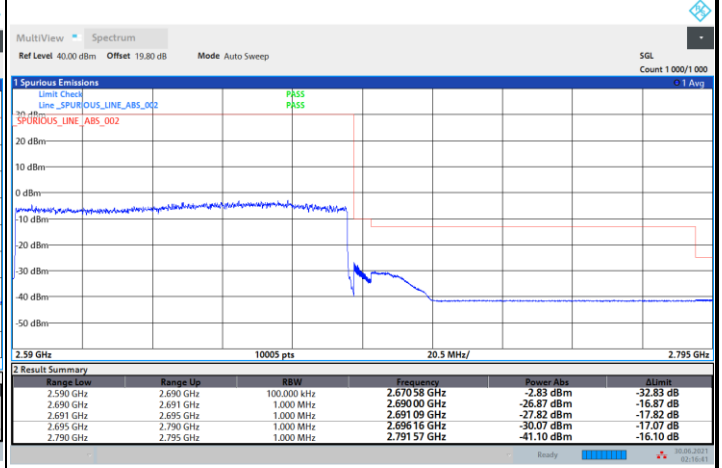
FR1 n41 / 100MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



01:54:34 30.06.2021



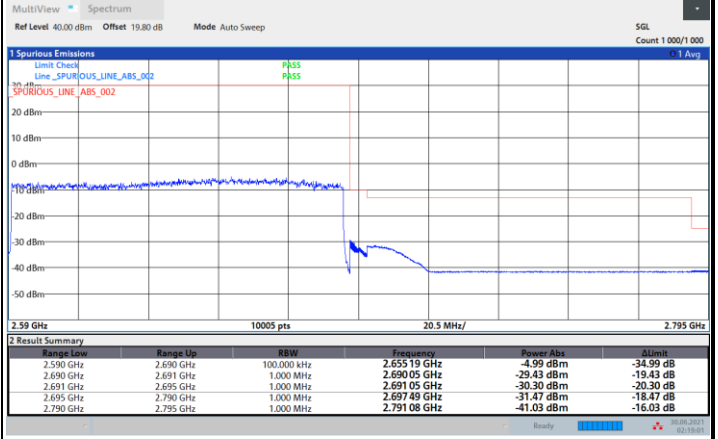
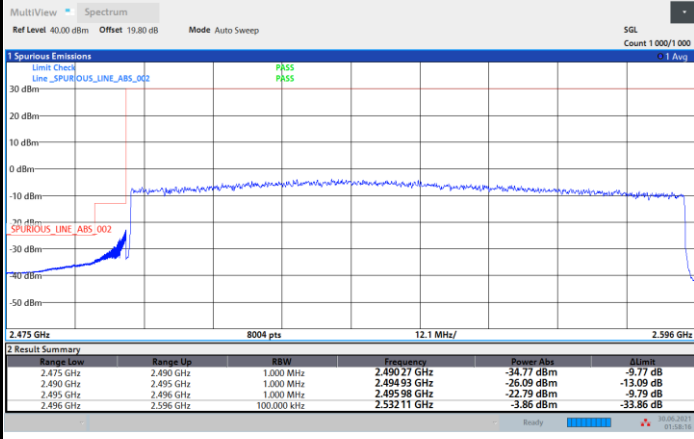
02:16:41 30.06.2021



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

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

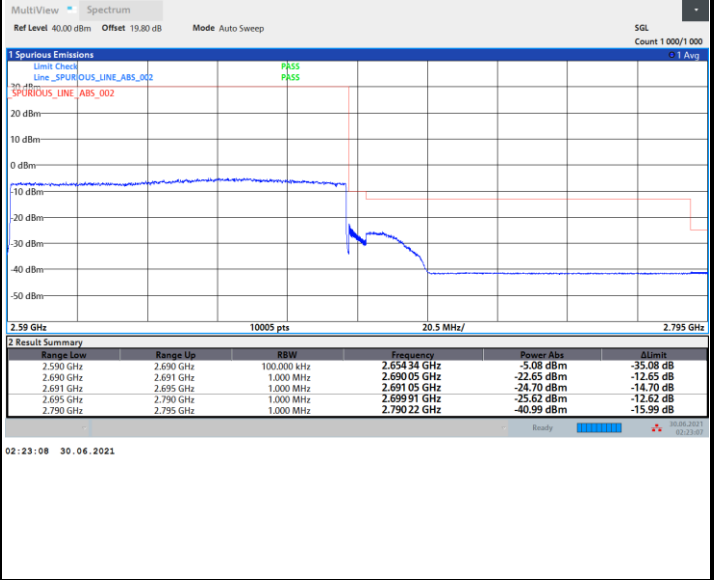
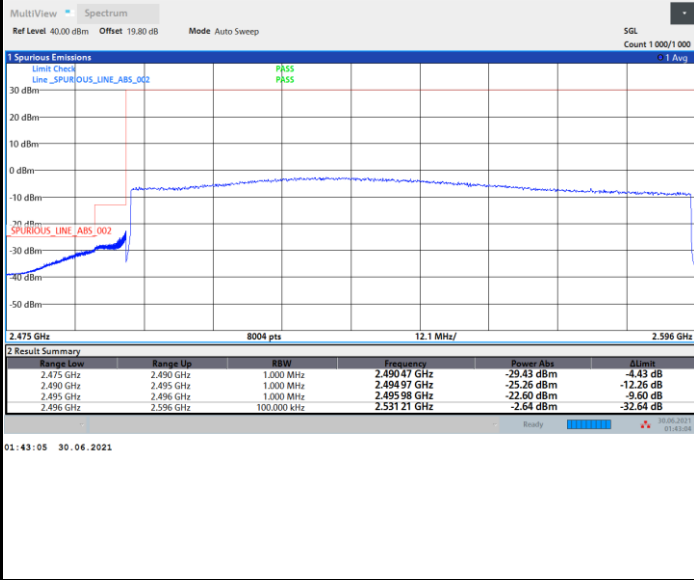




FR1 n41 / 100MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge



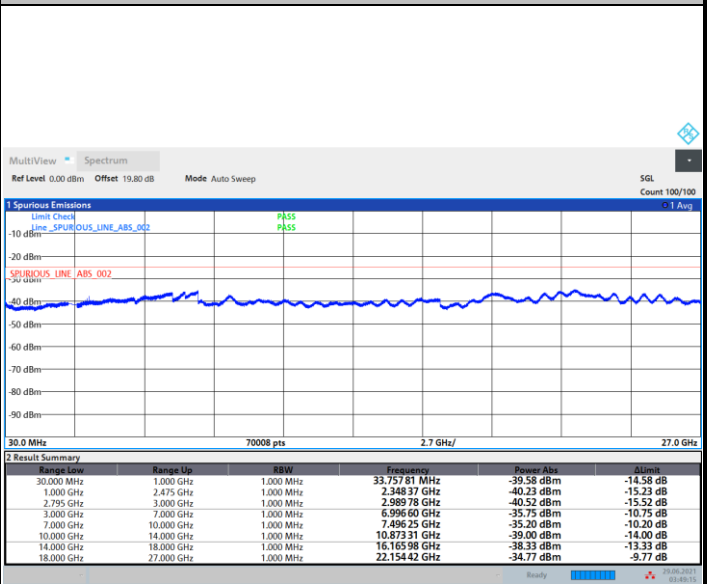
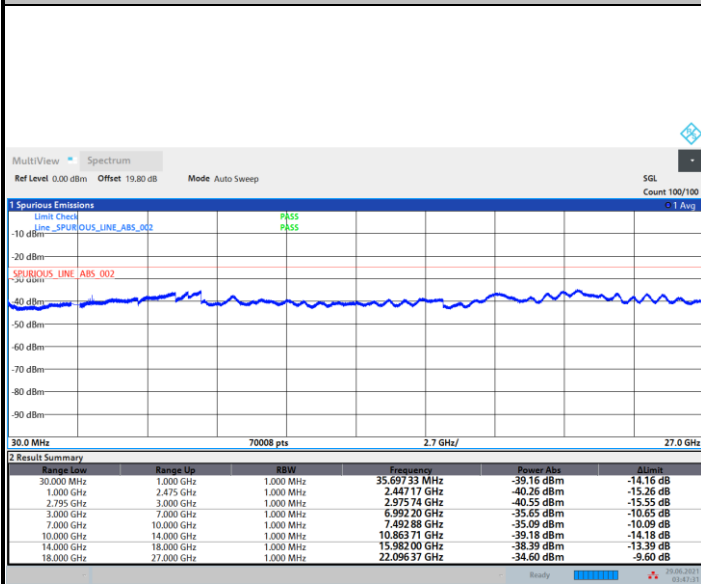


# Conducted Spurious Emission

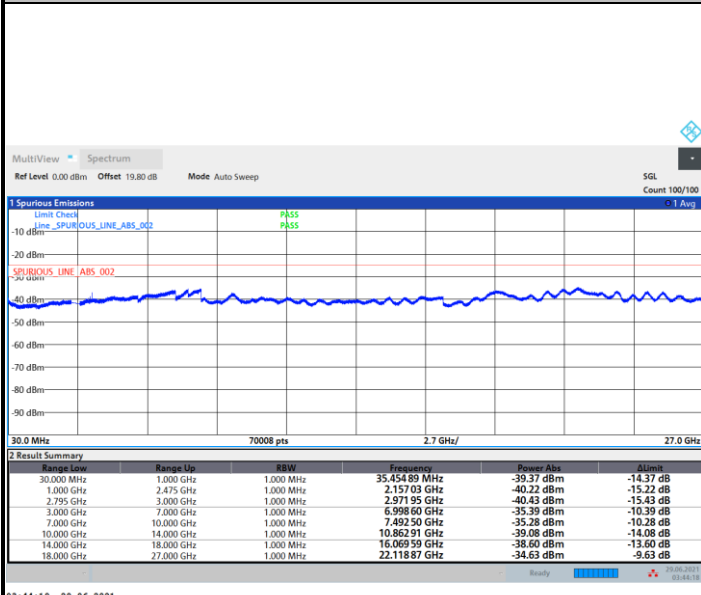
FR1 n41 / 10MHz / DFT-S OFDM / QPSK / 1RB1

## Lowest Channel

## Middle Channel



## Highest Channel

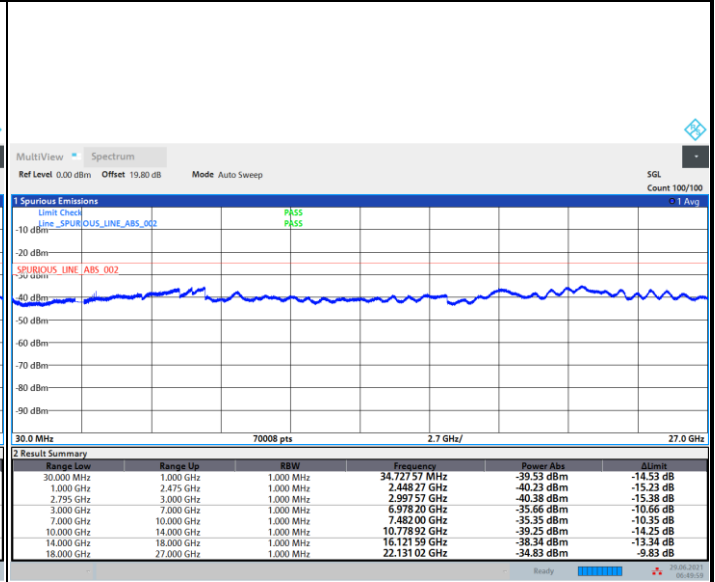
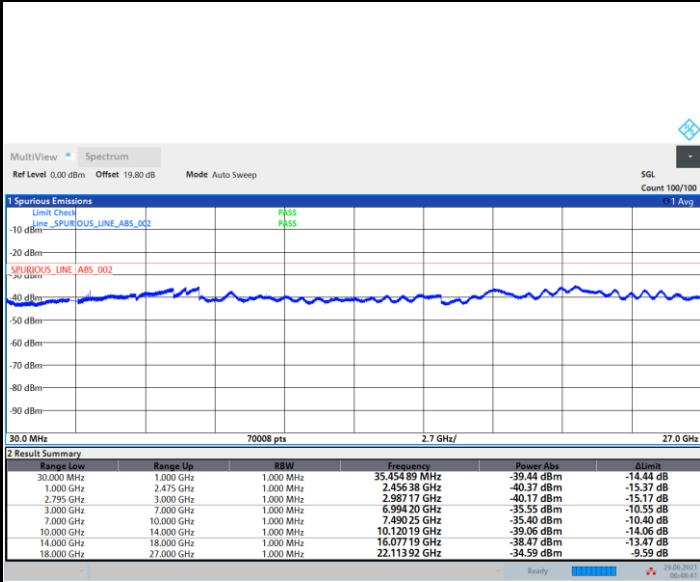




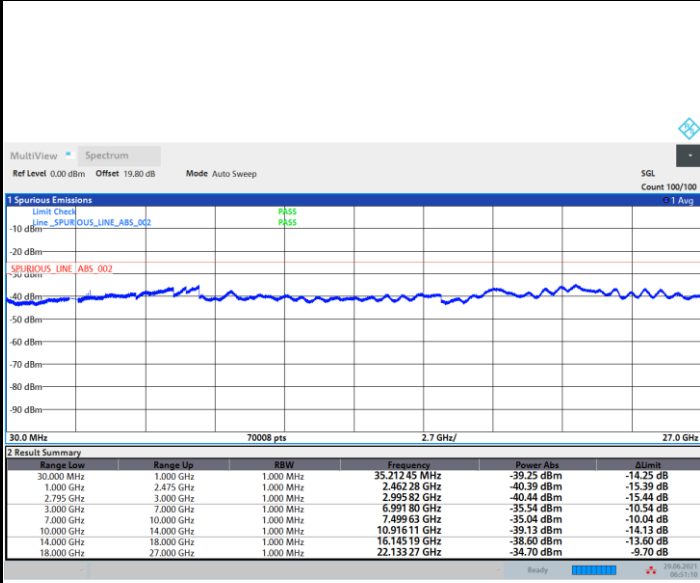
FR1 n41 / 15MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel

Middle Channel



Highest Channel



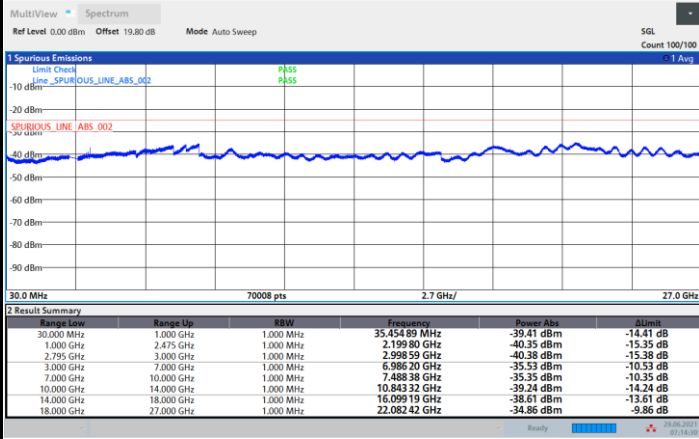




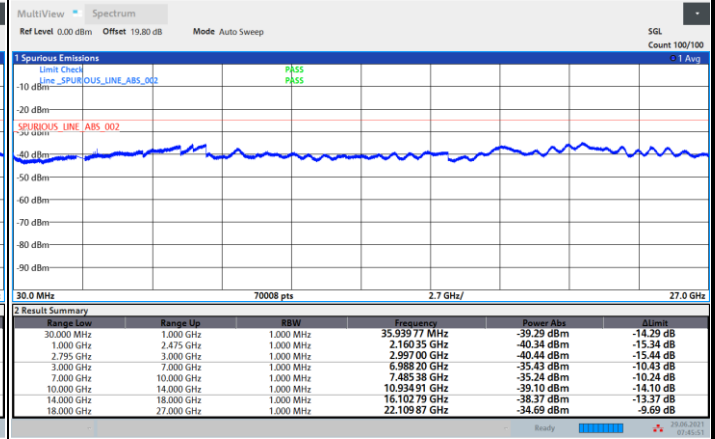
FR1 n41 / 20MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel

Middle Channel

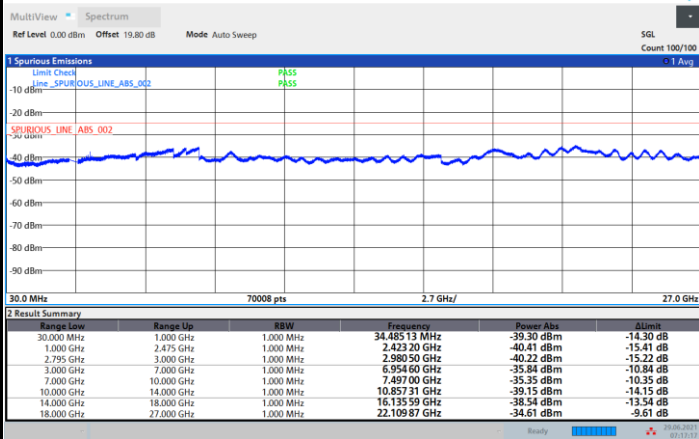


07:14:30 29.06.2021



07:45:52 29.06.2021

Highest Channel



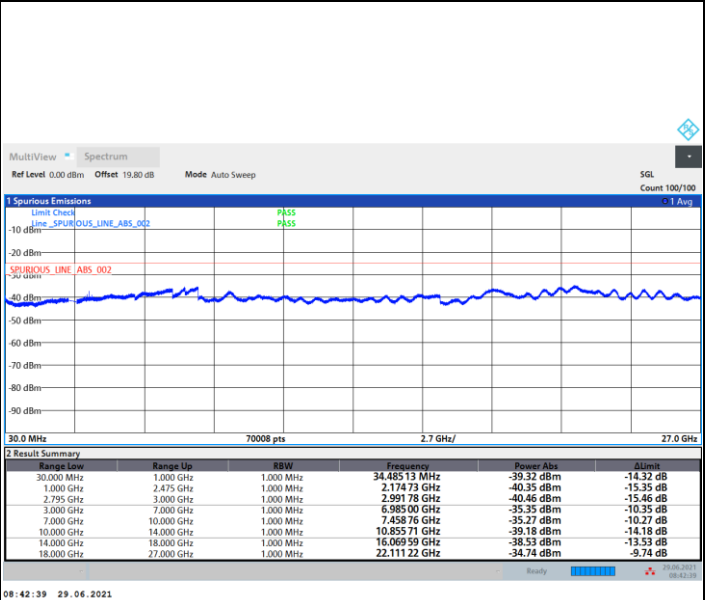
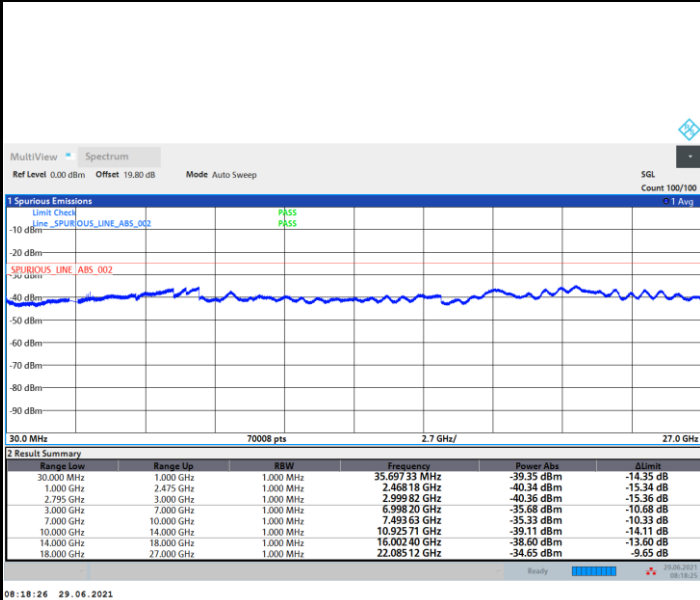
07:17:18 29.06.2021



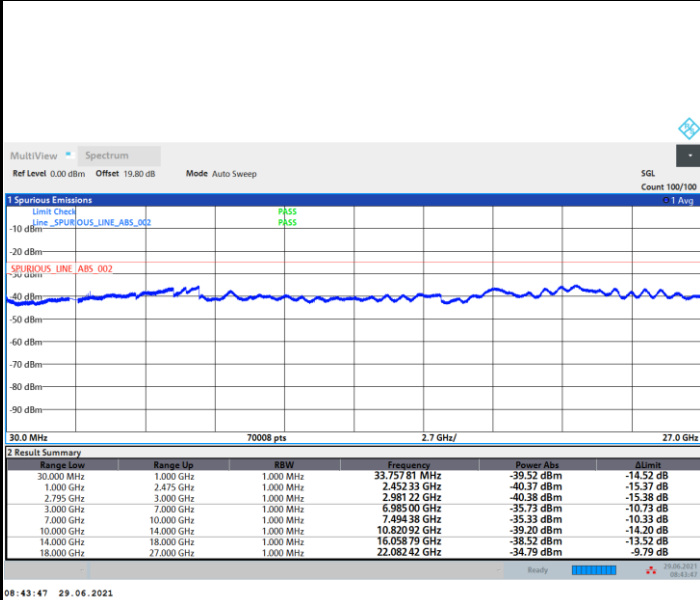
FR1 n41 / 30MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel

Middle Channel



Highest Channel

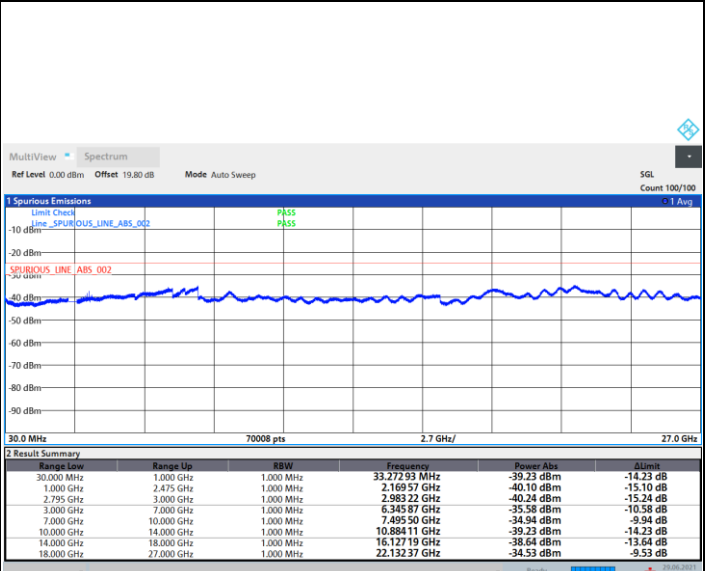
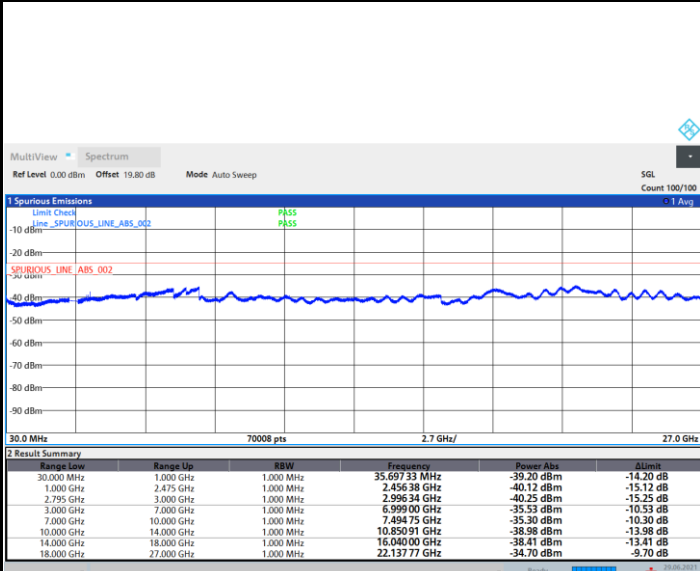




FR1 n41 / 40MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel

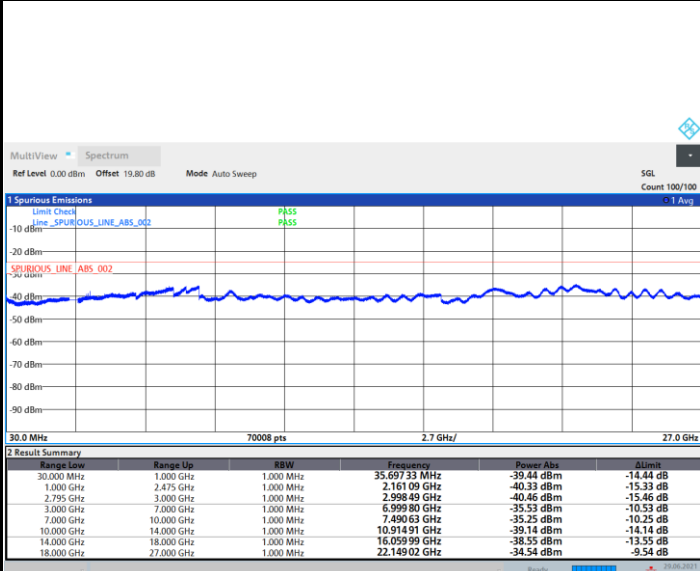
Middle Channel



09:12:42 29.06.2021

09:33:22 29.06.2021

Highest Channel



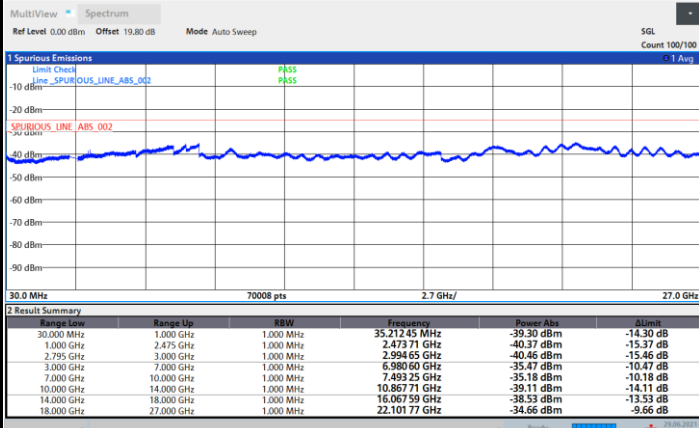
09:14:17 29.06.2021



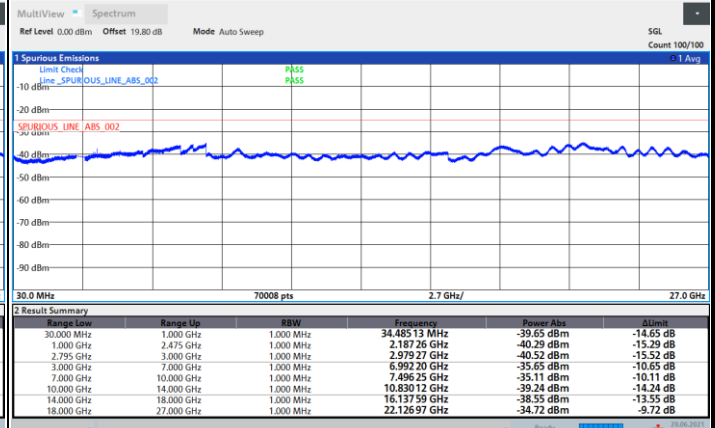
FR1 n41 / 50MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel

Middle Channel

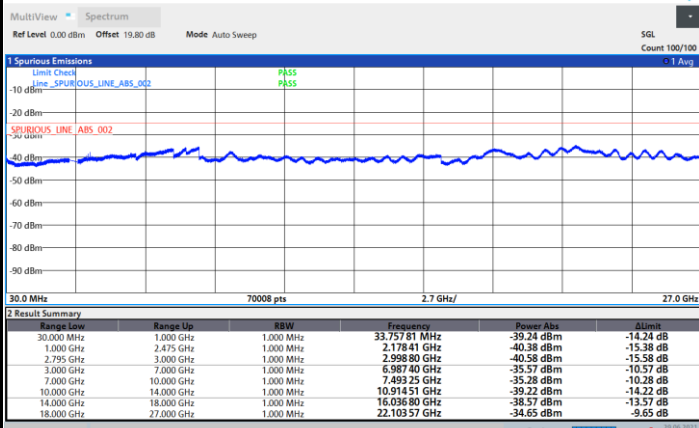


09:51:33 29.06.2021



10:13:38 29.06.2021

Highest Channel



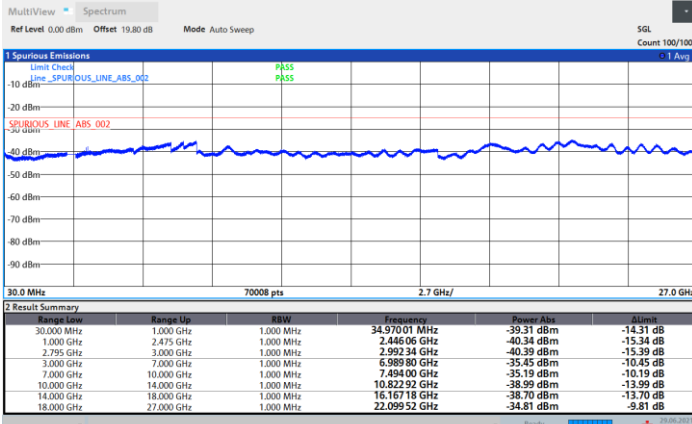
10:11:10 29.06.2021



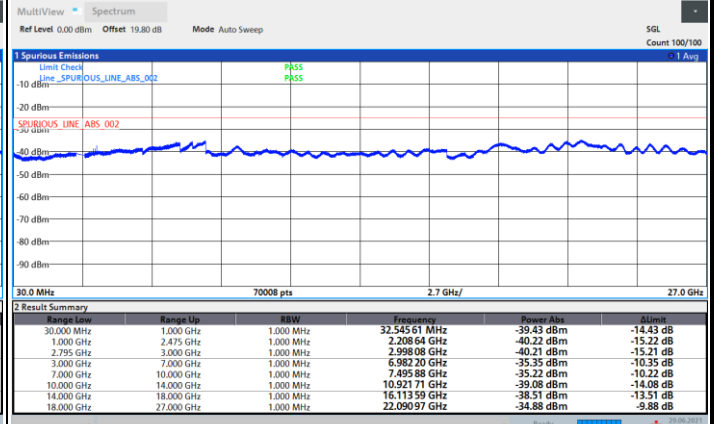
FR1 n41 / 60MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel

Middle Channel

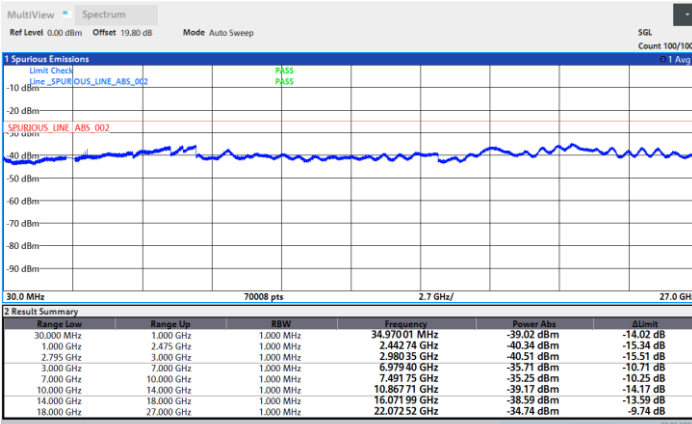


11:02:36 29.06.2021



10:59:07 29.06.2021

Highest Channel



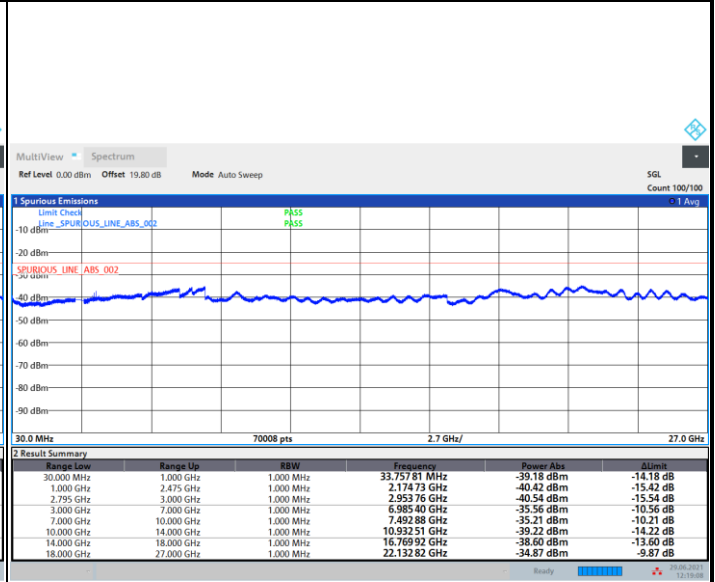
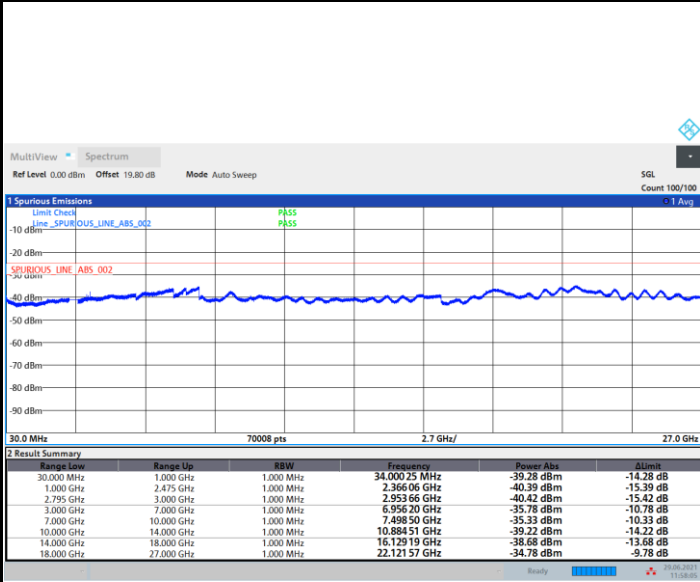
11:35:10 29.06.2021



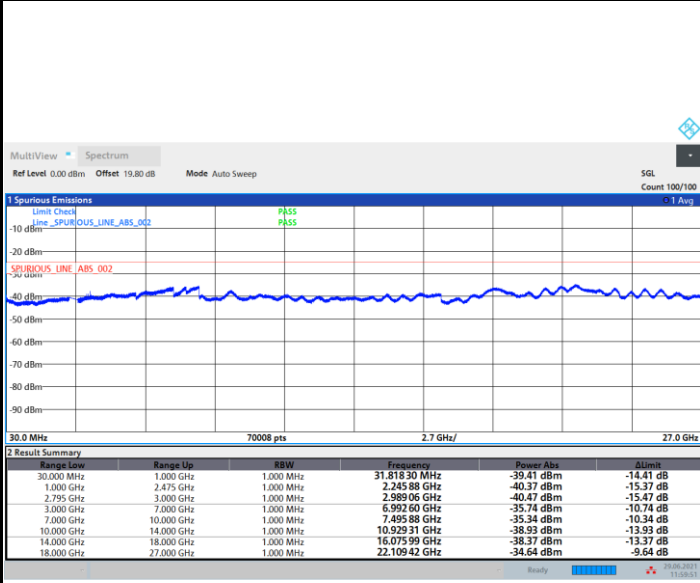
FR1 n41 / 80MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel

Middle Channel



Highest Channel

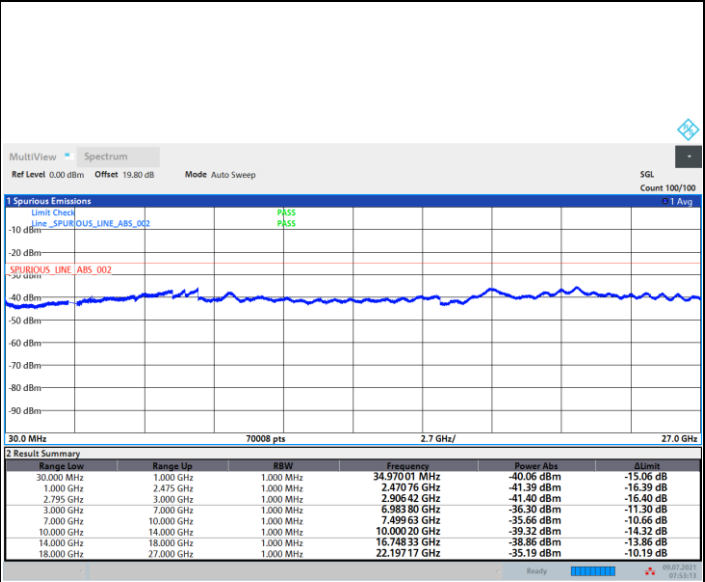
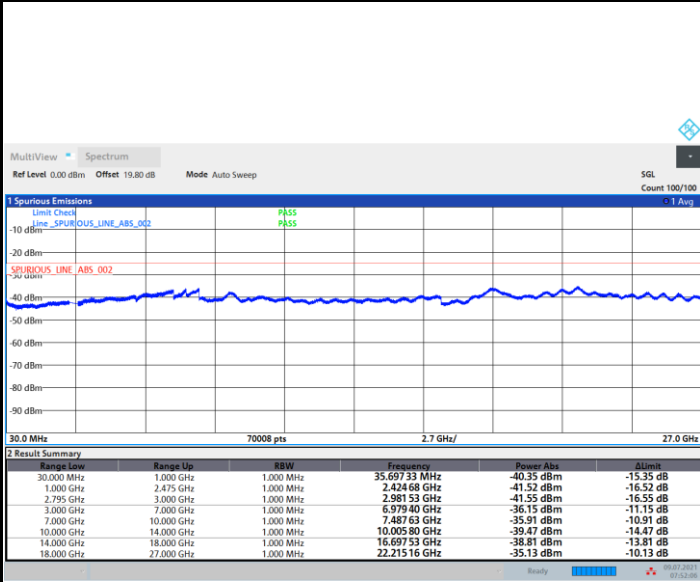




FR1 n41 / 90MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel

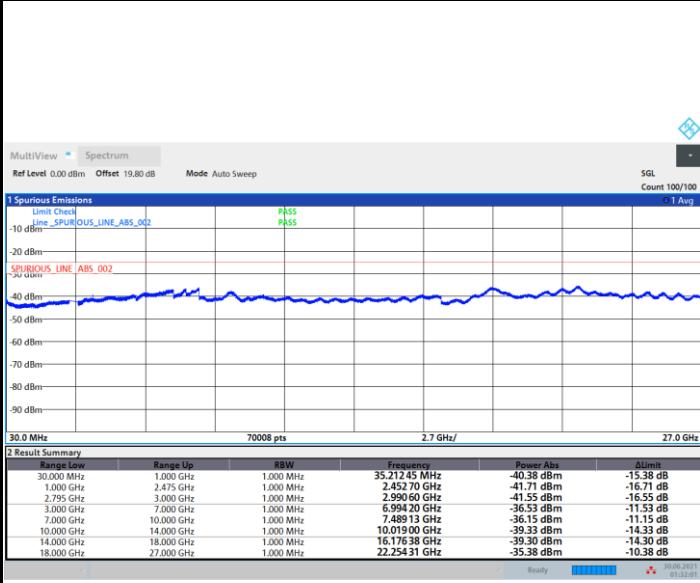
Middle Channel



07:52:07 09.07.2021

07:53:14 09.07.2021

Highest Channel



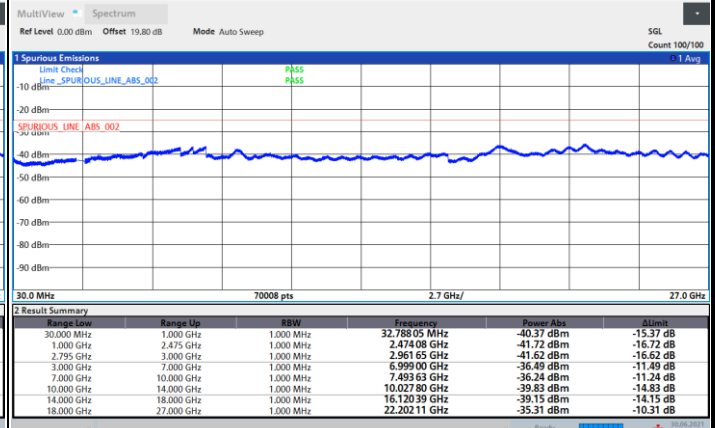
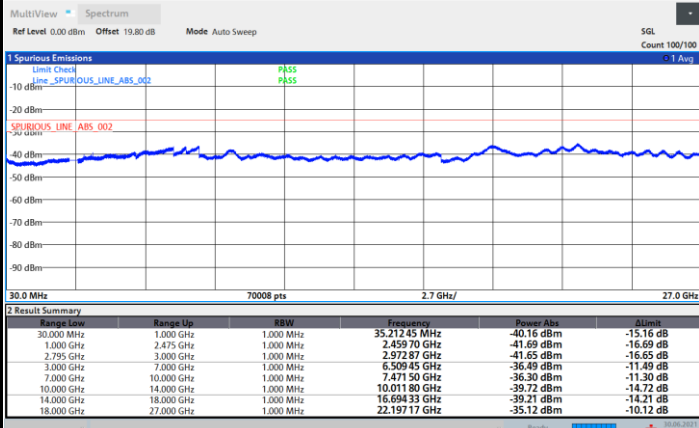
01:32:02 30.06.2021



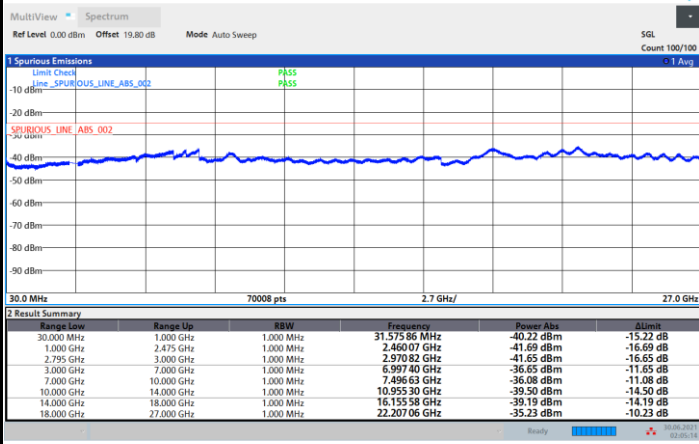
FR1 n41 / 100MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel

Middle Channel



Highest Channel







Frequency Stability

Test Conditions		FR1 n41 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0009	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0039	

Note:

1. Normal Voltage =3.86 V. ; Battery End Point (BEP) =3.60 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



# FR1 n41\_HPUE

## Peak-to-Average Ratio

Mode	FR1 n41 / 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	3.68	4.76	5.68	5.80	PASS
Mode	FR1 n41 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.18				PASS