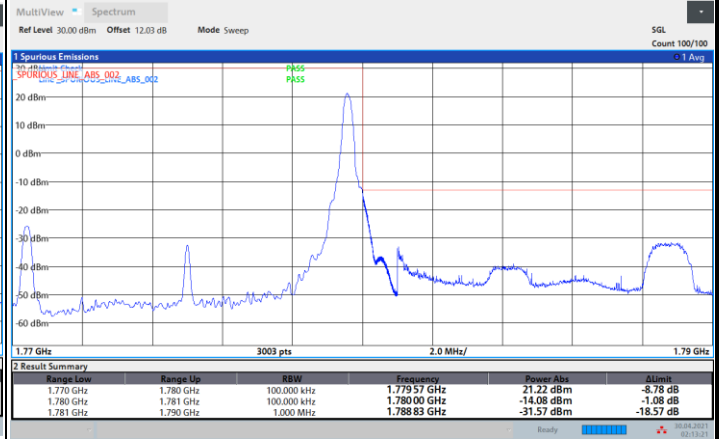
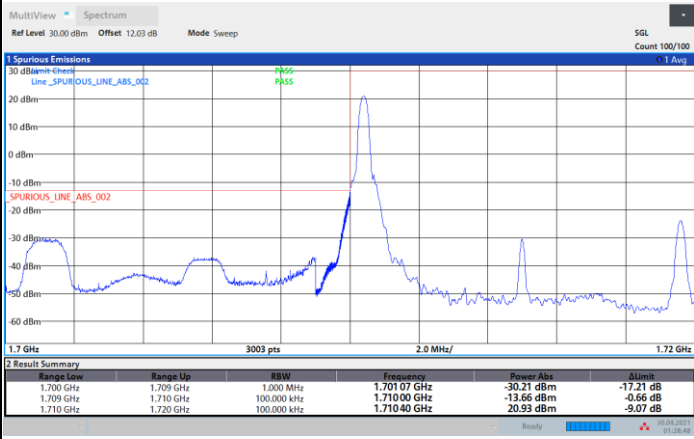




FR1 n66 / 10MHz / DFT-s-OFDM / QPSK

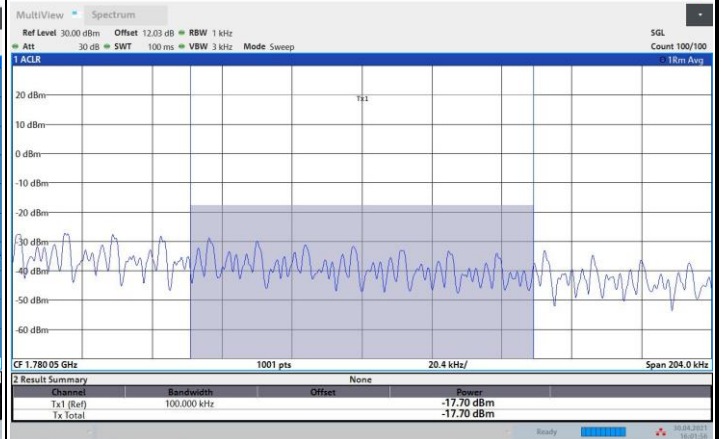
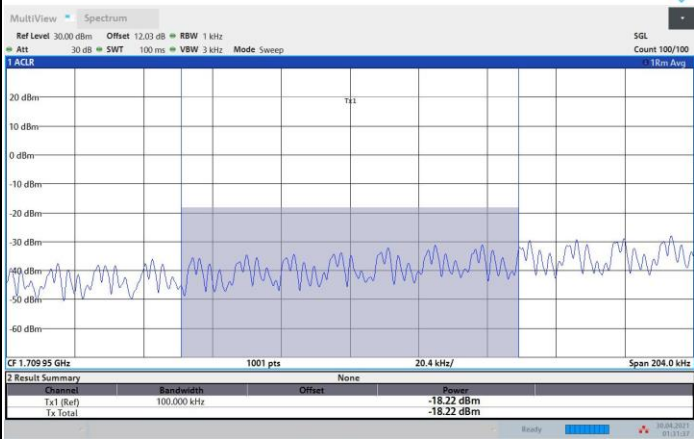
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Channel power -13 dBm > -18.22 dBm (Pass)

Channel power -13 dBm > -17.7 dBm (Pass)

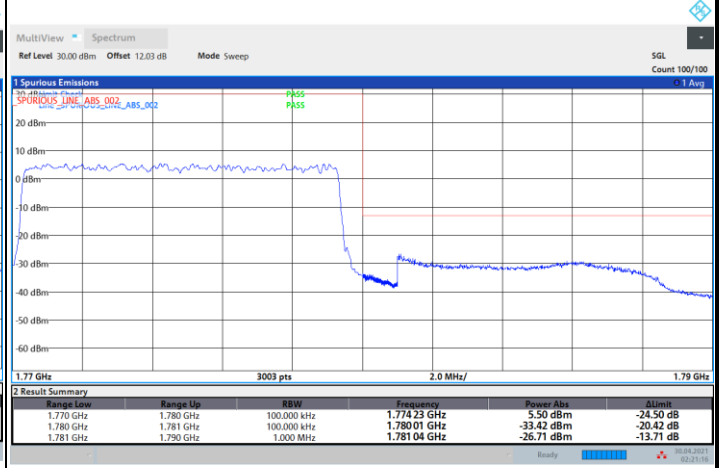
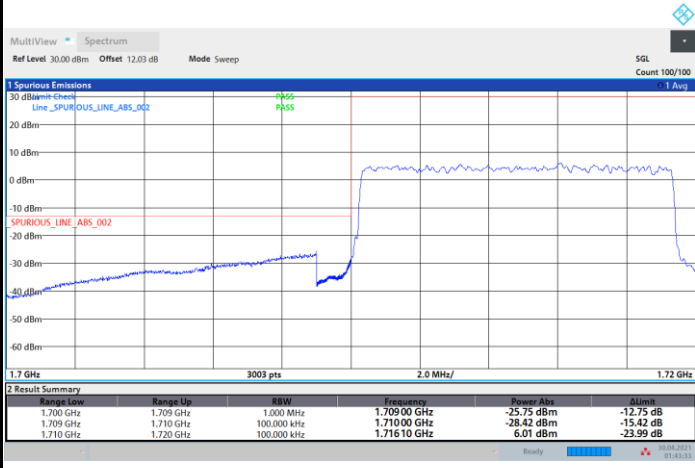




FR1 n66 / 10MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

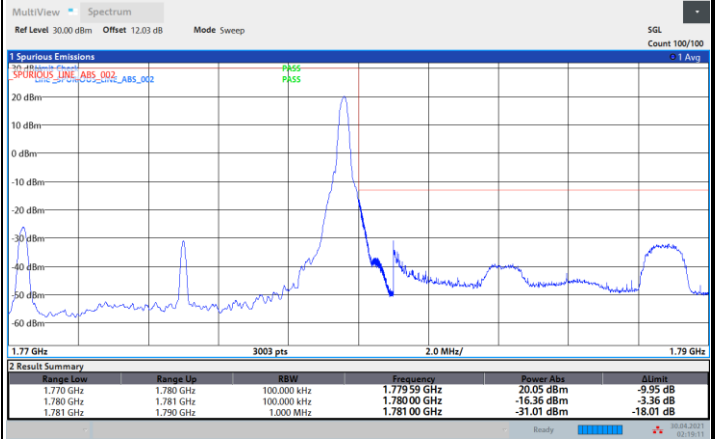
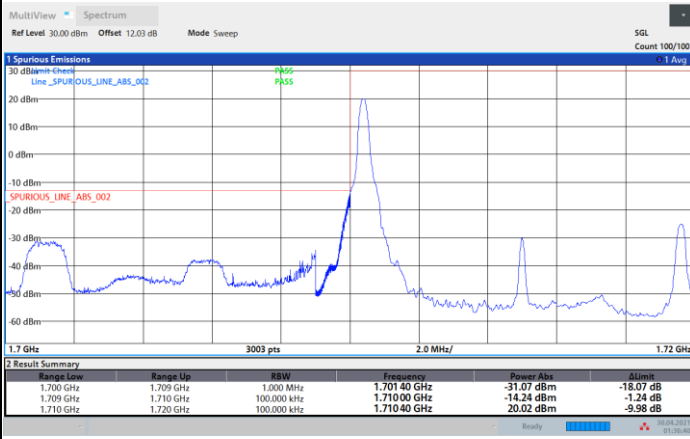




FR1 n66 / 10MHz / DFT-s-OFDM / 16QAM

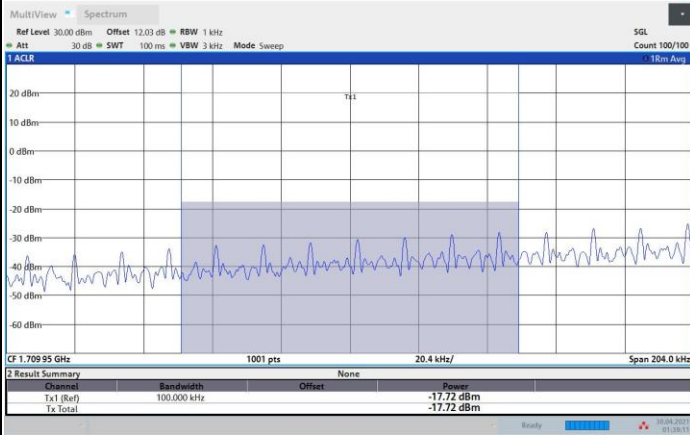
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Channel power -13 dBm > -17.72 dBm (Pass)

N/A

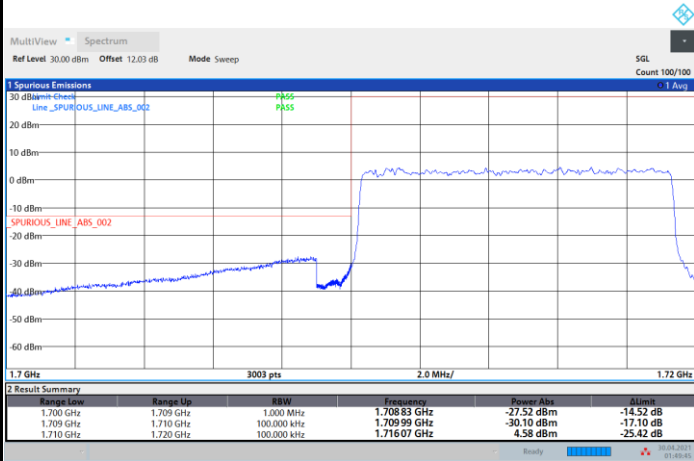




**FR1 n66 / 10MHz / DFT-s-OFDM / 16QAM**

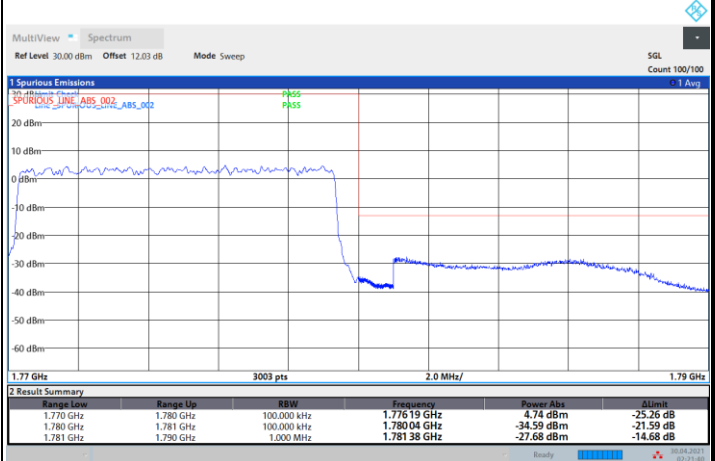
**Lowest Band Edge / Full RB**

**Highest Band Edge / Full RB**



2 Result Summary					
Range Low	Range Up	RBW	Frequency	Power / dBm	Limit
1.709 GHz	1.710 GHz	100.000 kHz	1.708 83 GHz	-27.52 dBm	-14.52 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.709 99 GHz	-30.10 dBm	-17.10 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.716 07 GHz	4.58 dBm	-25.42 dB

01:49:45 30.04.2021



2 Result Summary					
Range Low	Range Up	RBW	Frequency	Power / dBm	Limit
1.770 GHz	1.780 GHz	100.000 kHz	1.776 19 GHz	4.74 dBm	-25.26 dB
1.780 GHz	1.781 GHz	100.000 kHz	1.780 04 GHz	-34.59 dBm	-21.59 dB
1.781 GHz	1.790 GHz	1.000 MHz	1.781 38 GHz	-27.68 dBm	-14.68 dB

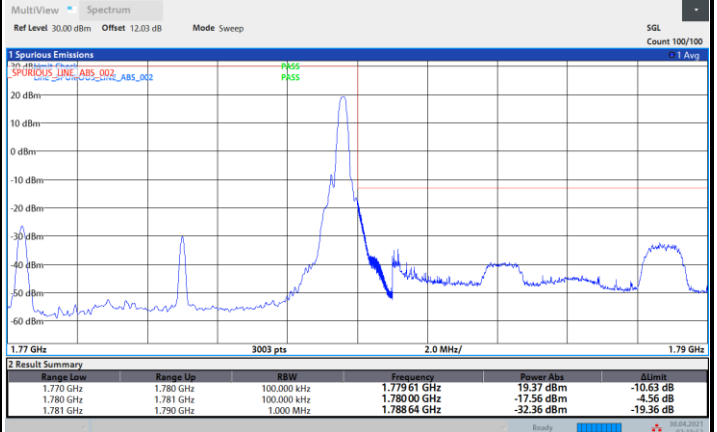
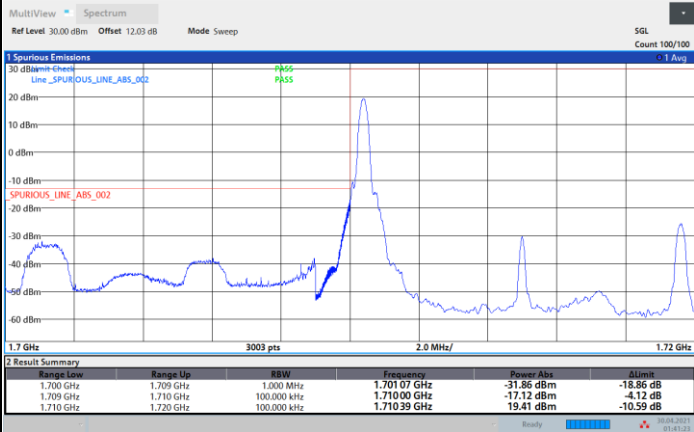
02:21:40 30.04.2021



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

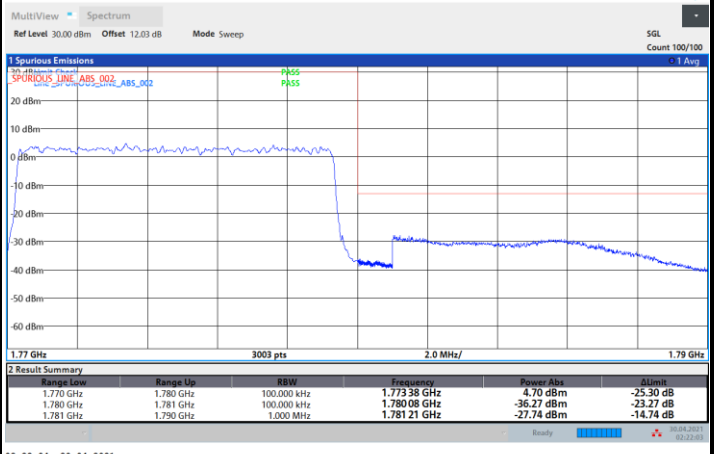
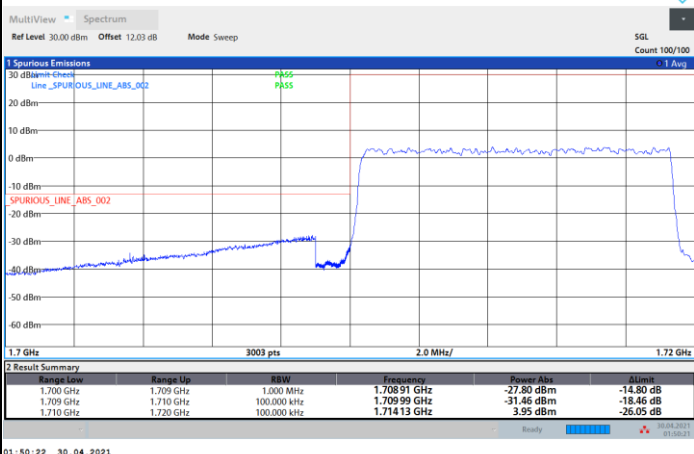
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

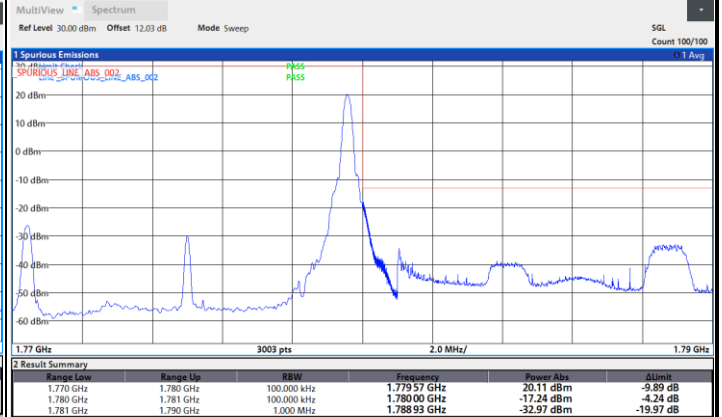
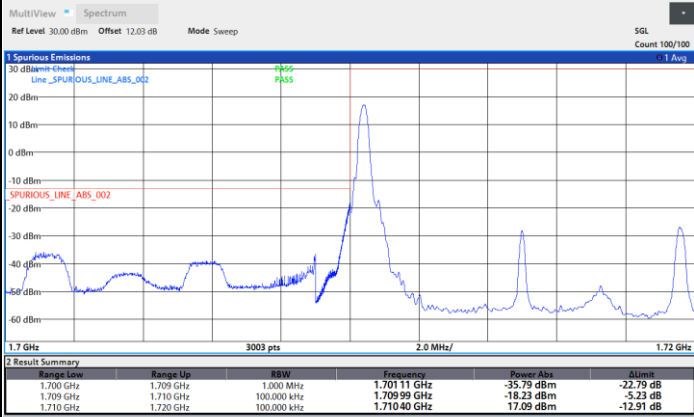




FR1 n66 / 10MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

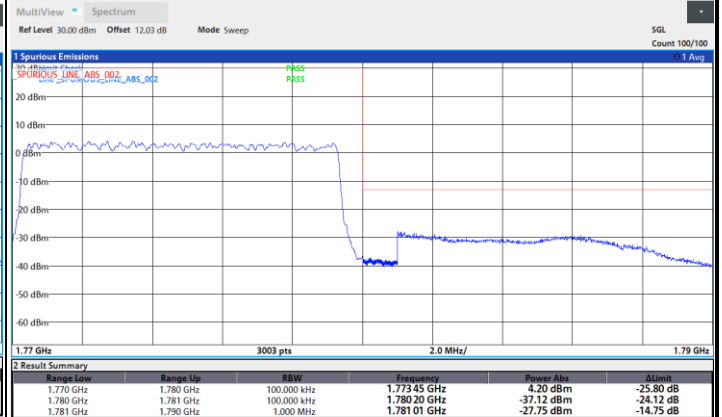
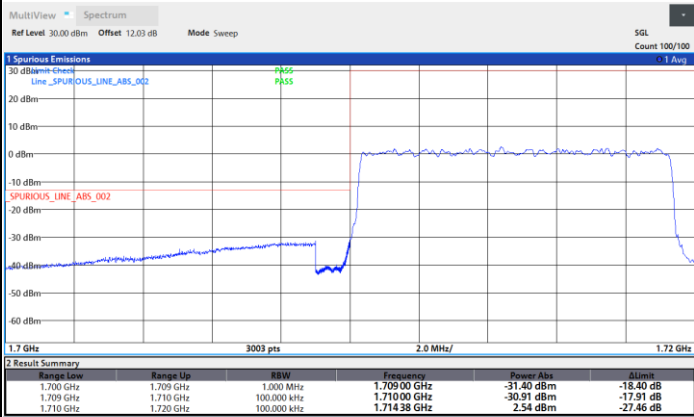


01:42:24 30.04.2021

02:20:22 30.04.2021

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



01:48:03 30.04.2021

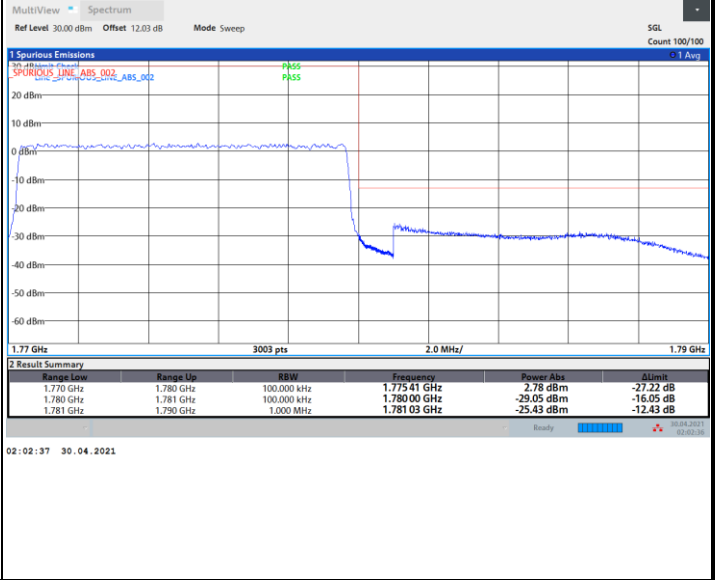
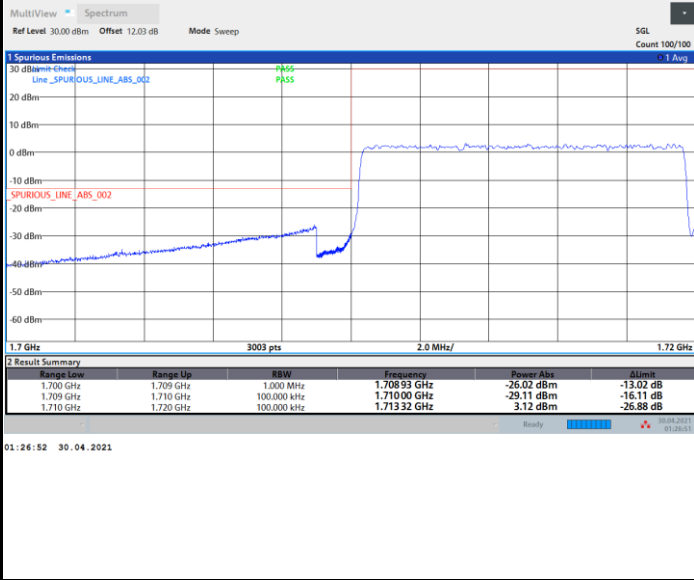
02:22:30 30.04.2021



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

Lowest Band Edge

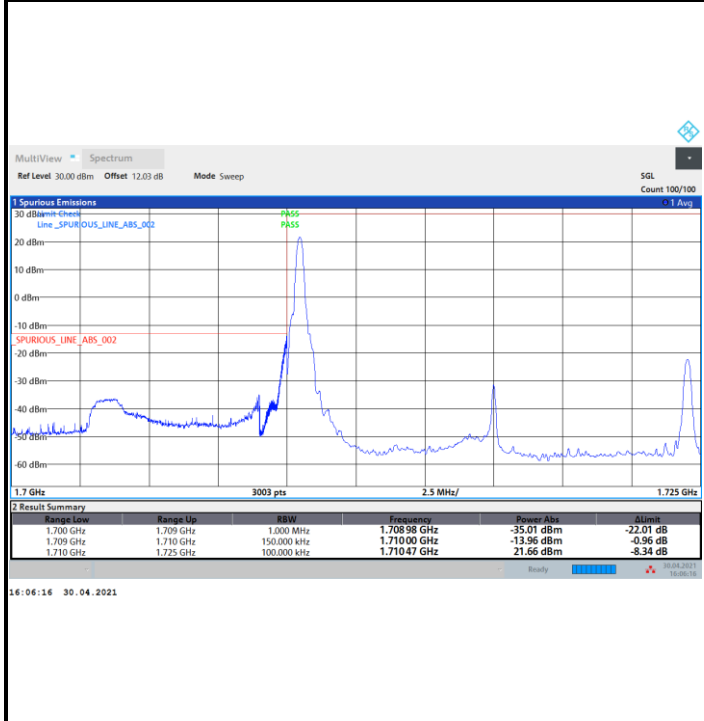
Highest Band Edge



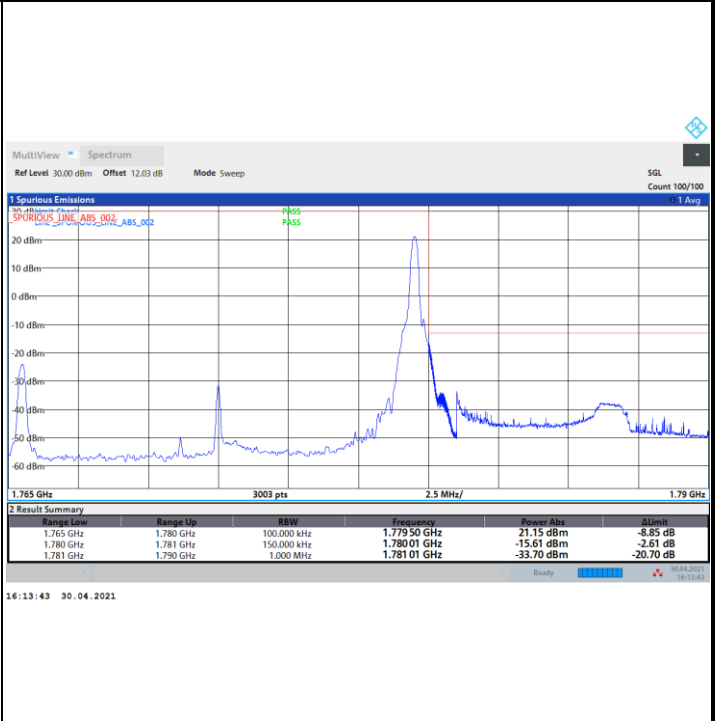


**FR1 n66 / 15MHz / DFT-s-OFDM / PI/2 BPSK**

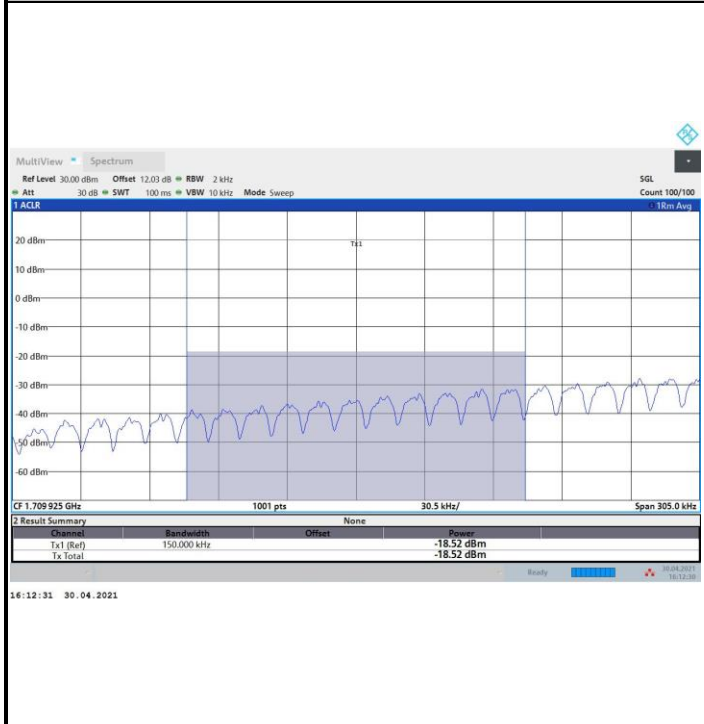
**Lowest Band Edge / 1RB0**



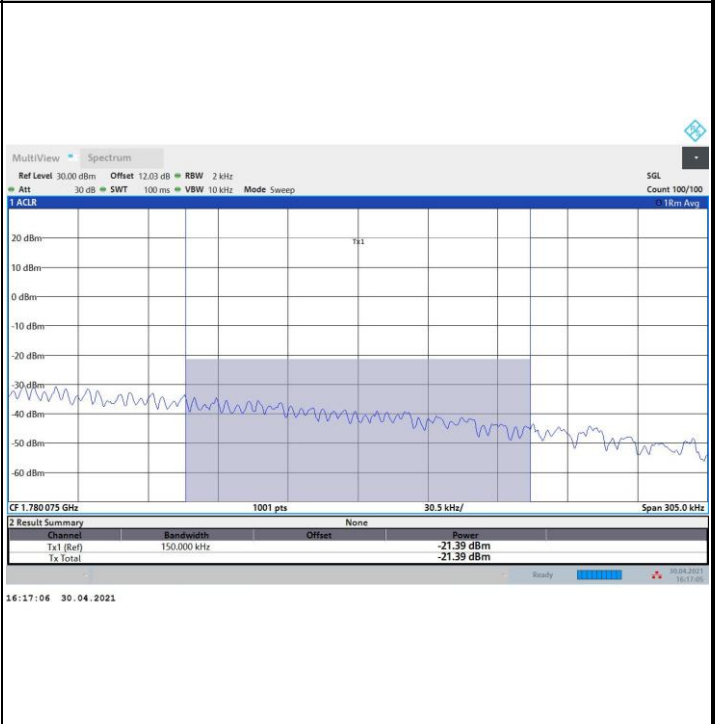
**Highest Band Edge / 1RBmax**



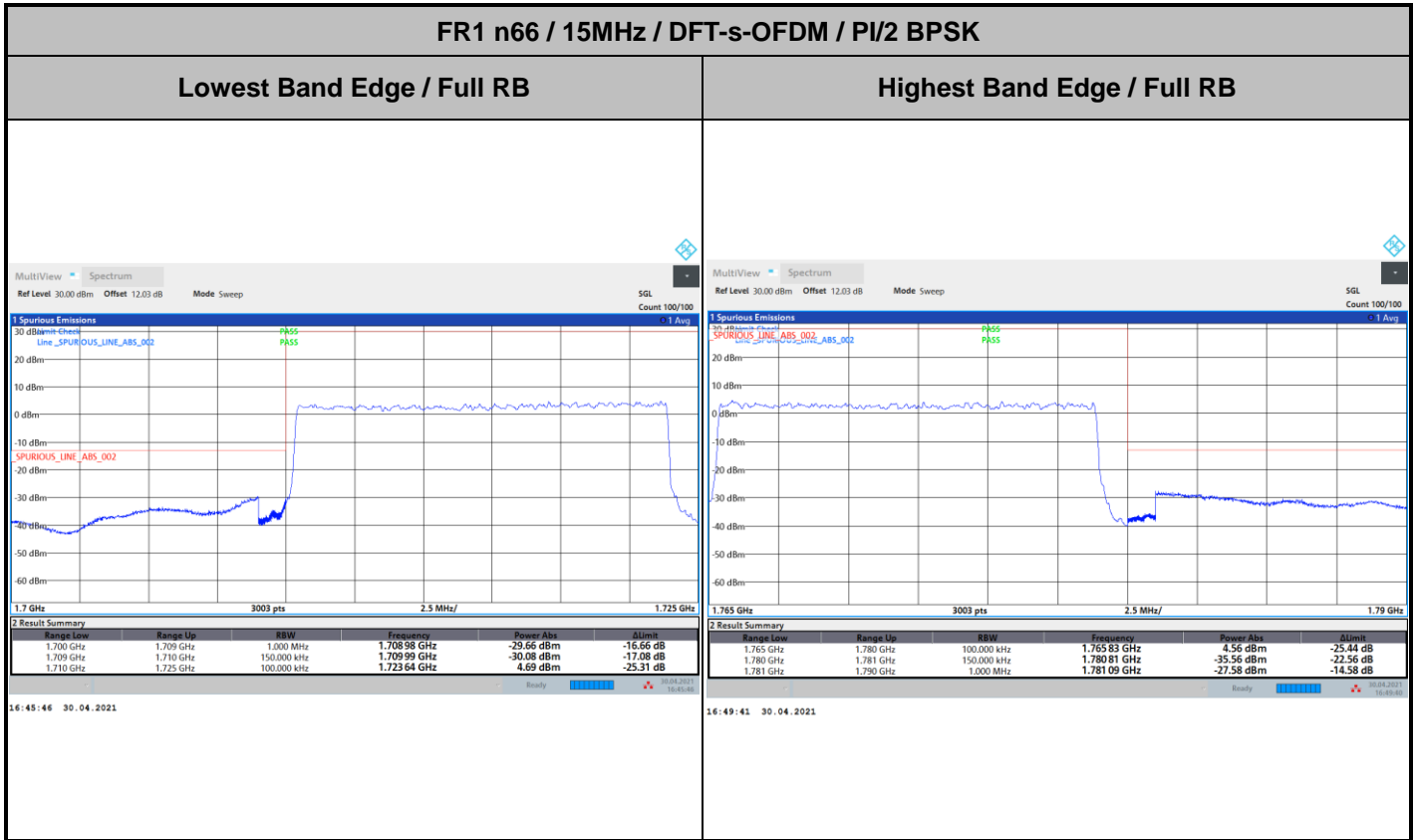
**Channel power -13 dBm > -18.52 dBm (Pass)**



**Channel power -13 dBm > -21.39 dBm (Pass)**





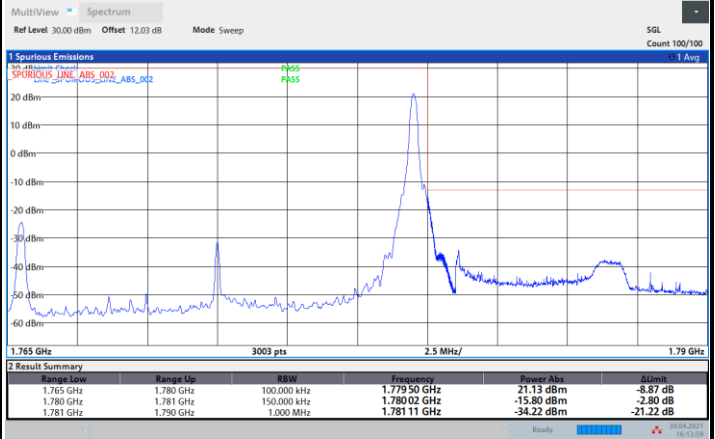
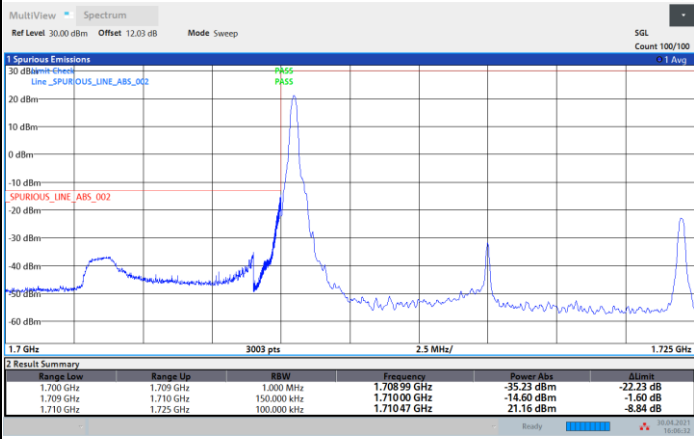




FR1 n66 / 15MHz / DFT-s-OFDM / QPSK

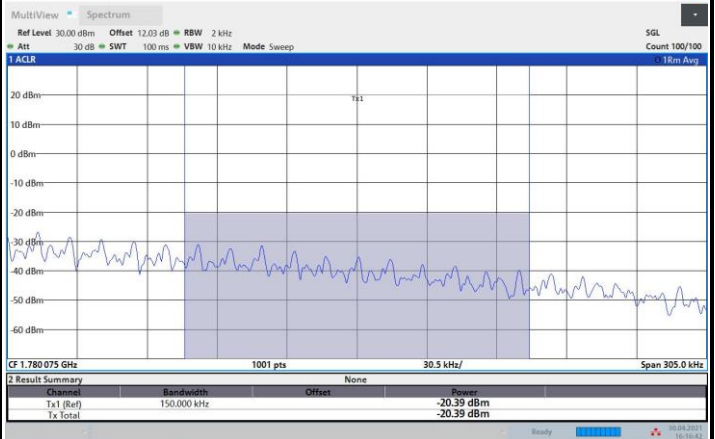
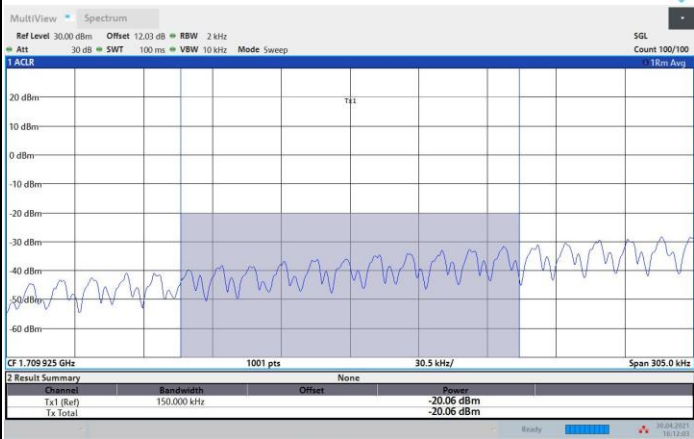
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Channel power -13 dBm > -20.06 dBm (Pass)

Channel power -13 dBm > -20.39 dBm (Pass)

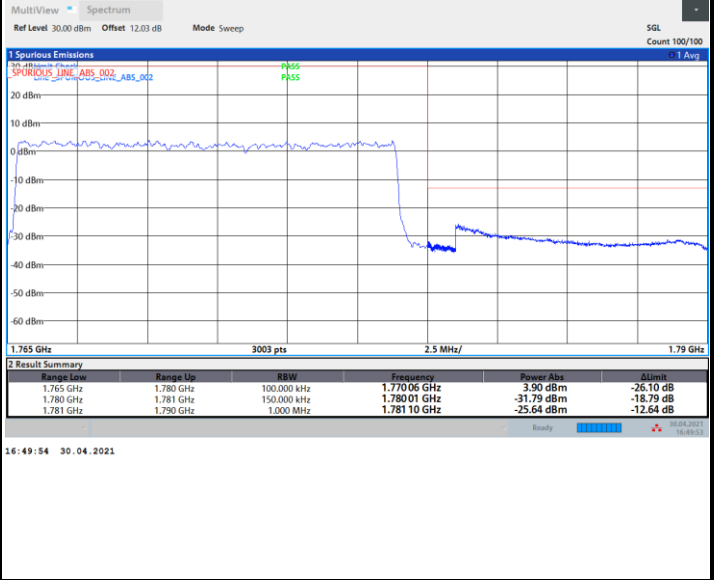
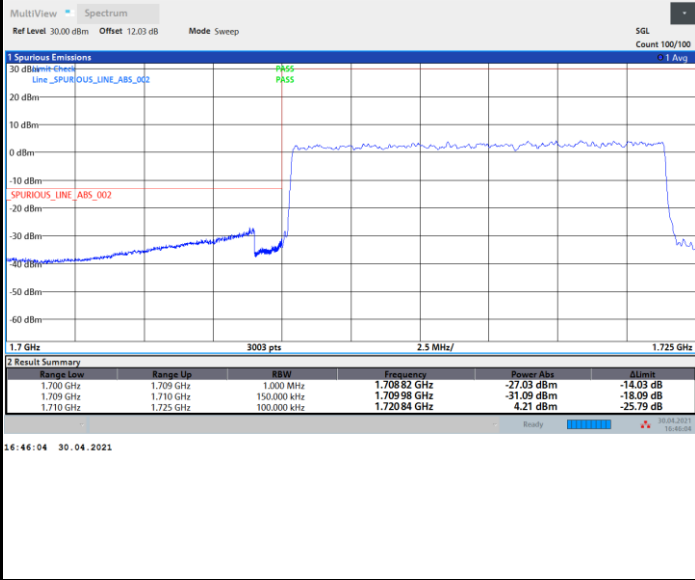




FR1 n66 / 15MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

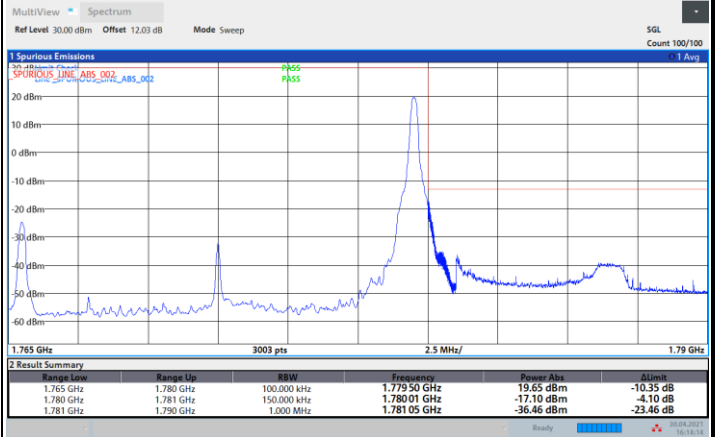
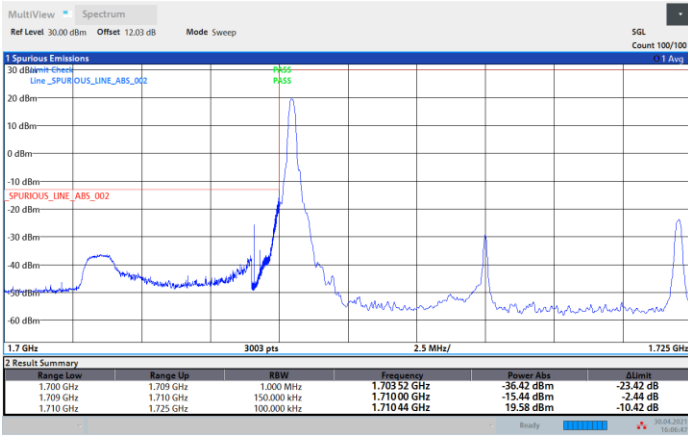




FR1 n66 / 15MHz / DFT-s-OFDM / 16QAM

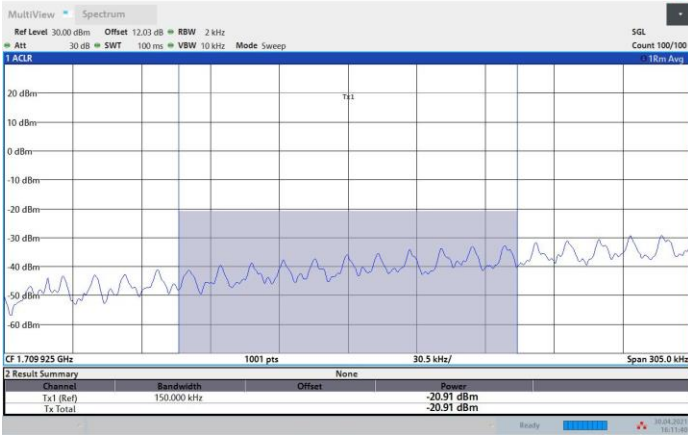
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Channel power -13 dBm > -20.91 dBm (Pass)

N/A

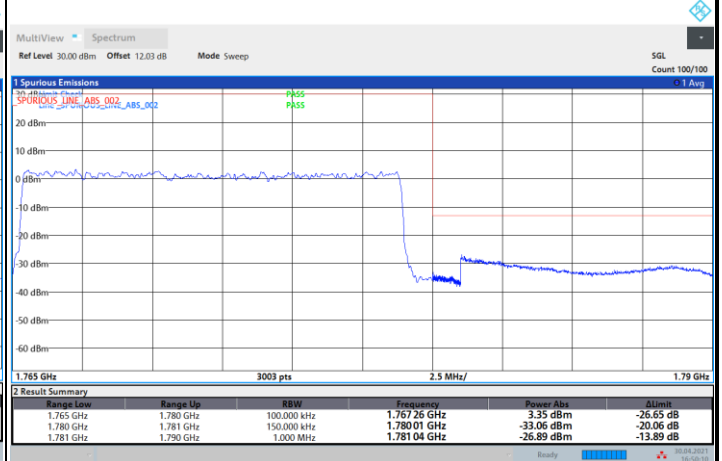
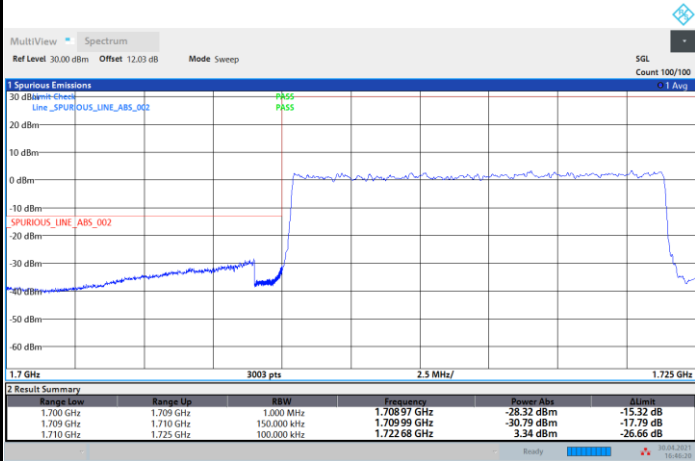




FR1 n66 / 15MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

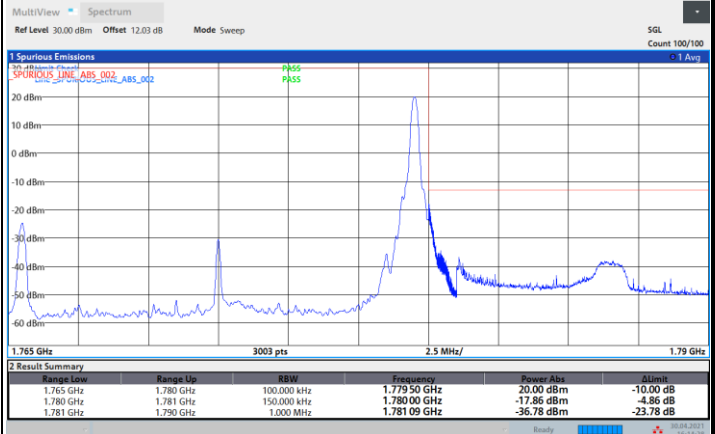
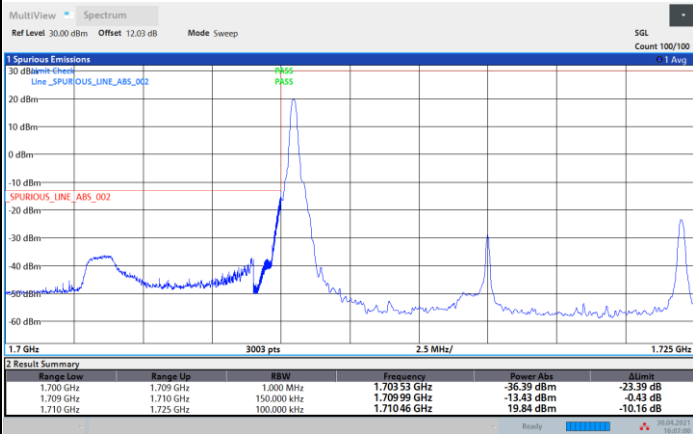




FR1 n66 / 15MHz / DFT-s-OFDM / 64QAM

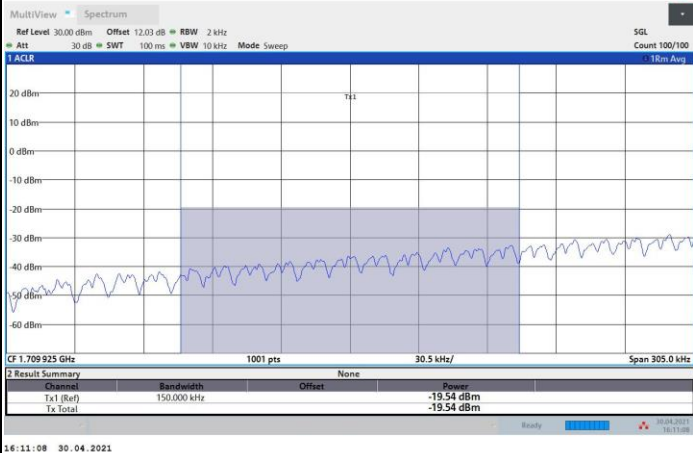
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Channel power -13 dBm > -19.54 dBm (Pass)

N/A

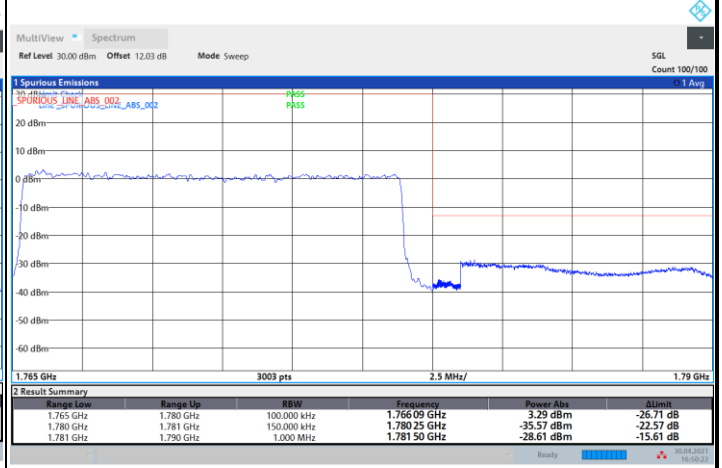
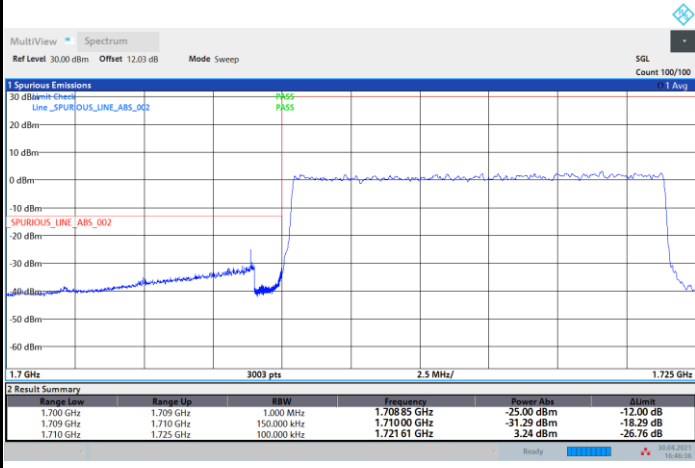




FR1 n66 / 15MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

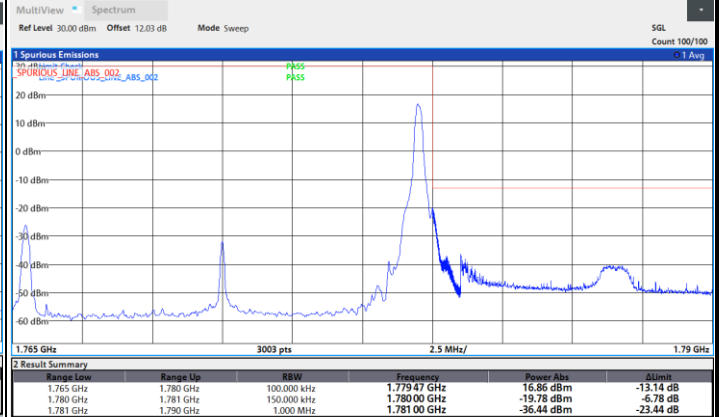
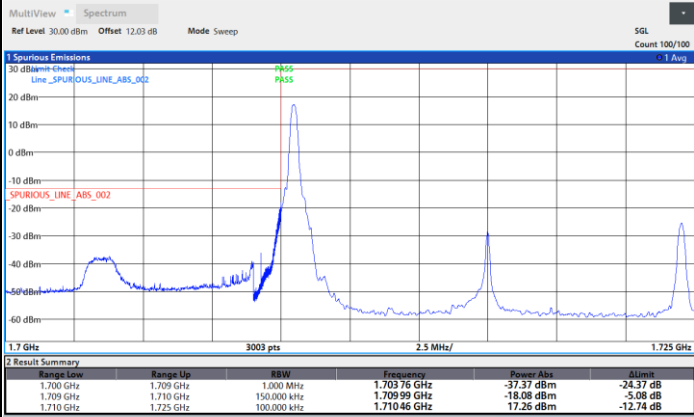




FR1 n66 / 15MHz / DFT-s-OFDM / 256QAM

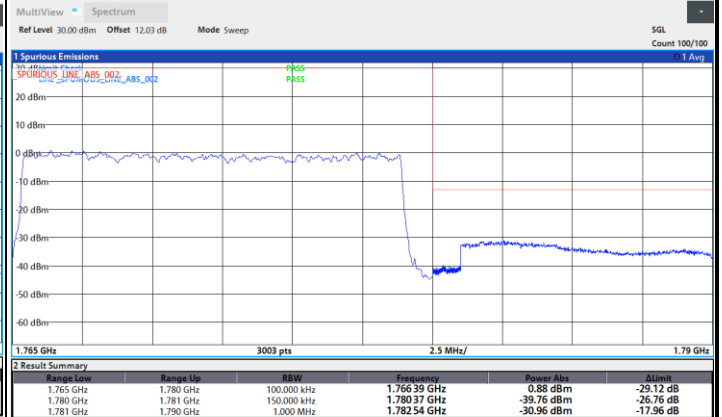
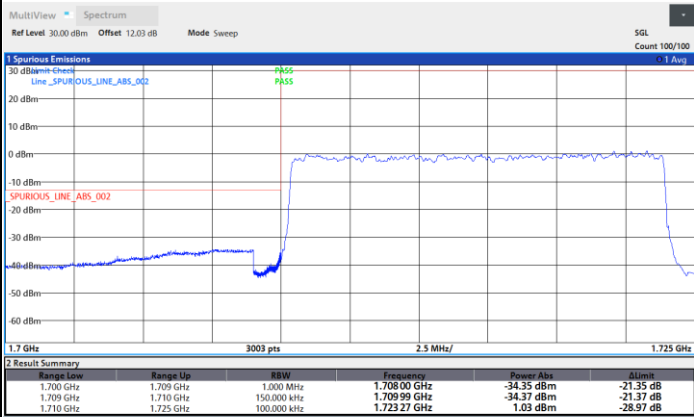
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

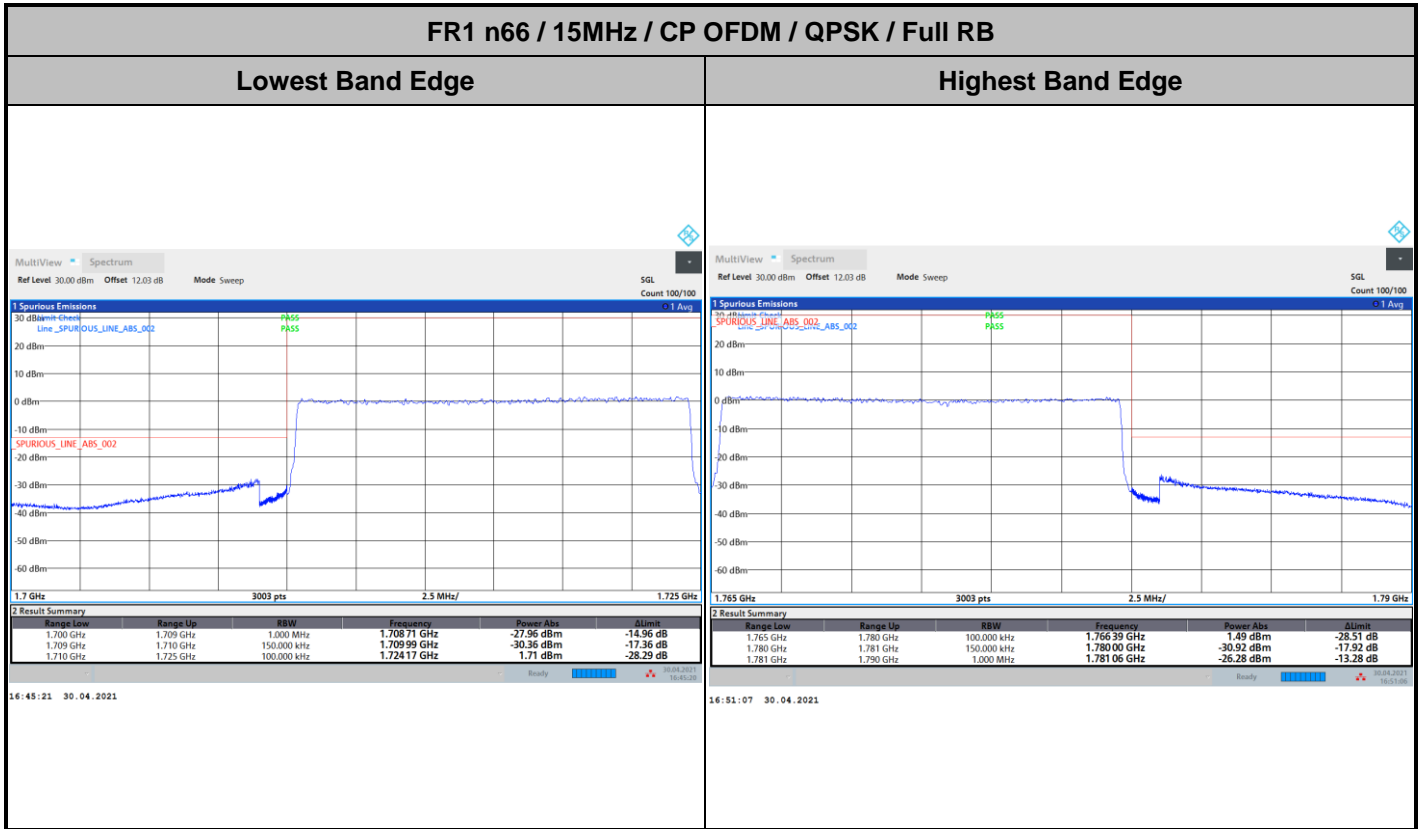


Lowest Band Edge / Full RB

Highest Band Edge / Full RB



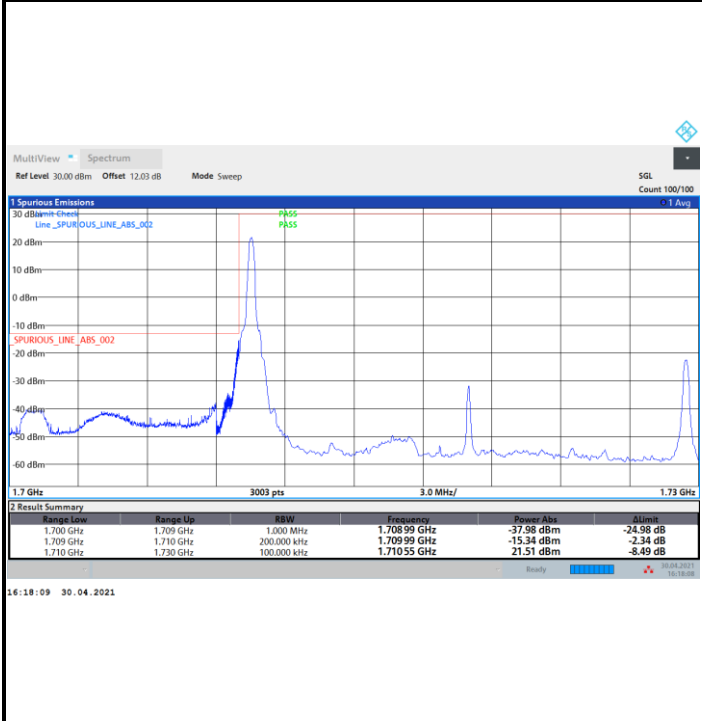




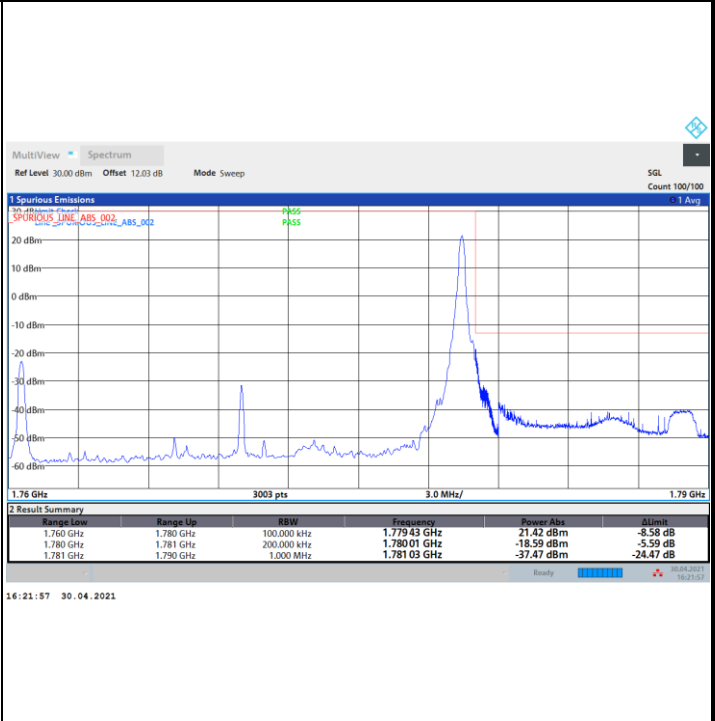


**FR1 n66 / 20MHz / DFT-s-OFDM / PI/2 BPSK**

**Lowest Band Edge / 1RB0**

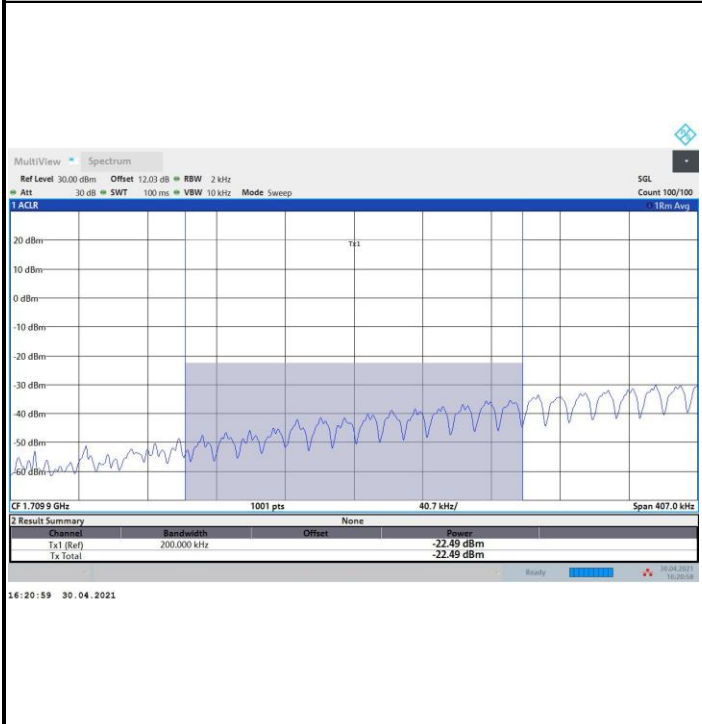


**Highest Band Edge / 1RBmax**



**Channel power -13 dBm > -22.49 dBm (Pass)**

**N/A**



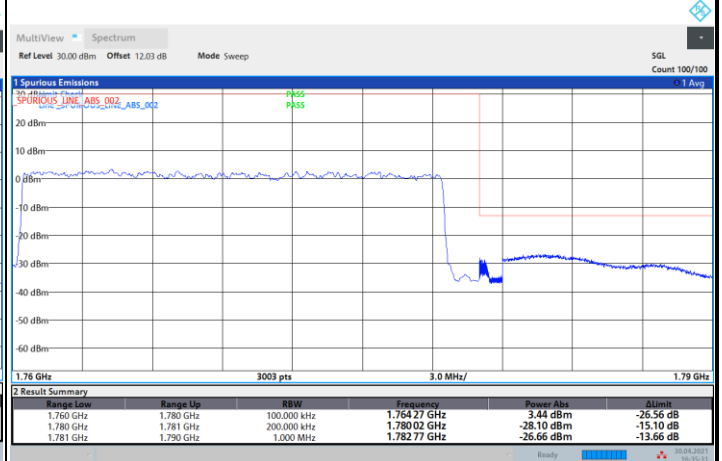
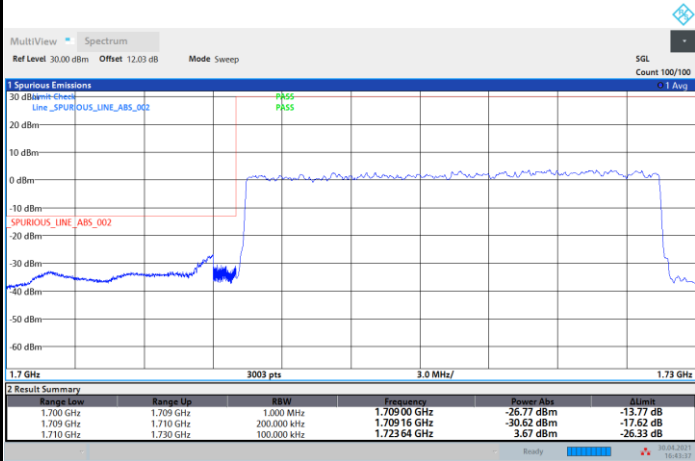
N/A



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

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

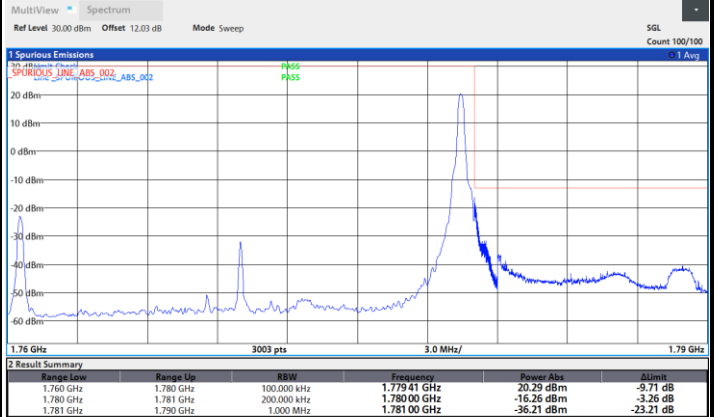
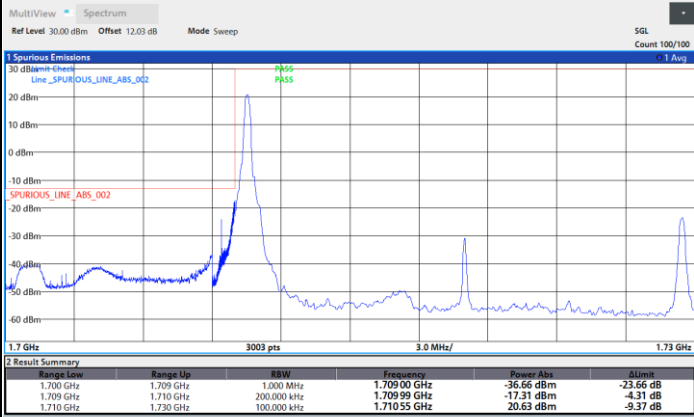




FR1 n66 / 20MHz / DFT-s-OFDM / QPSK

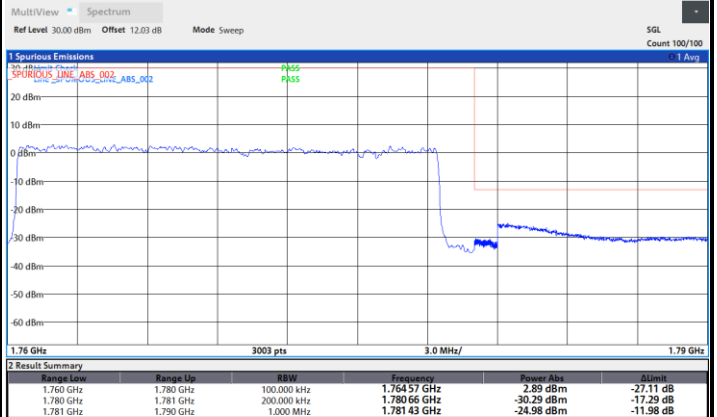
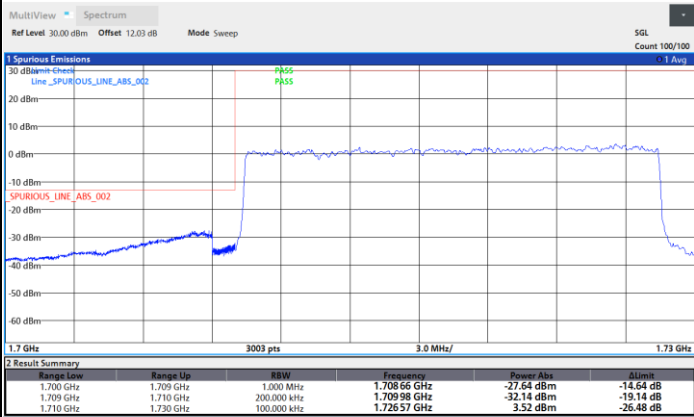
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

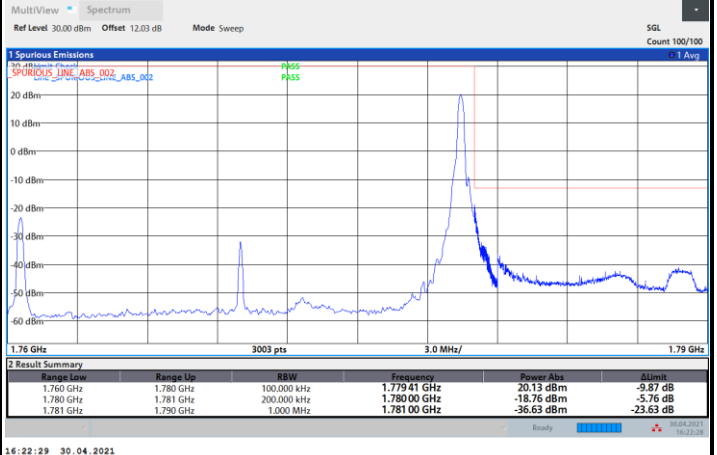
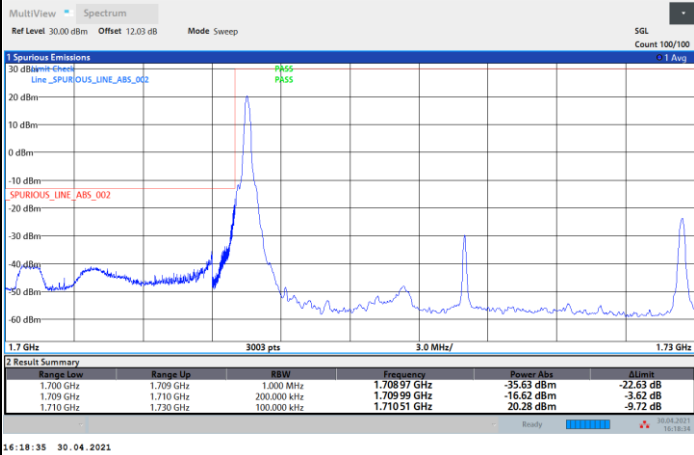




FR1 n66 / 20MHz / DFT-s-OFDM / 16QAM

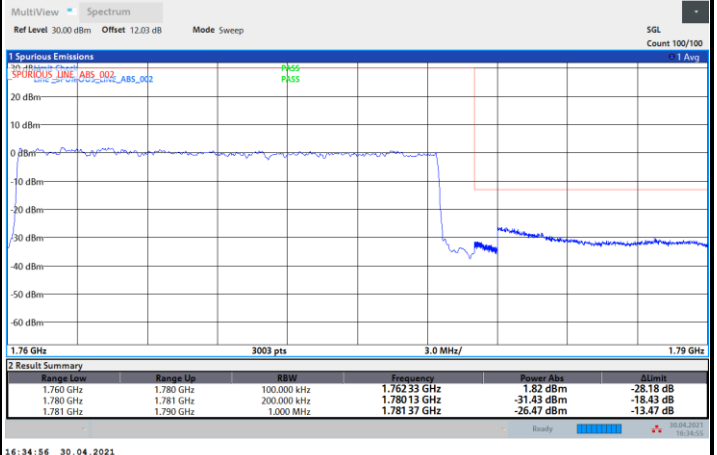
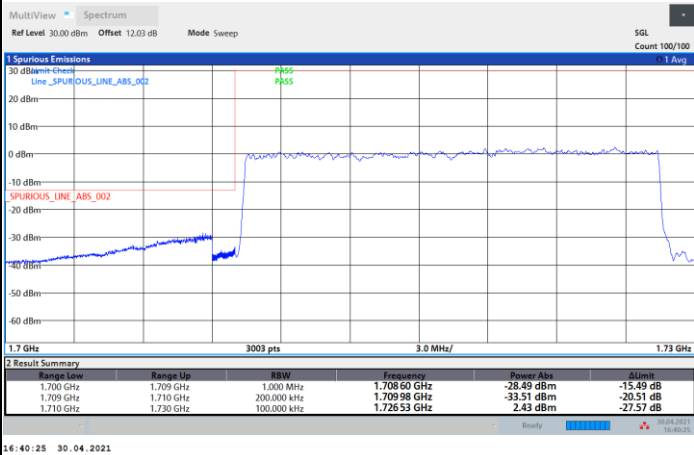
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

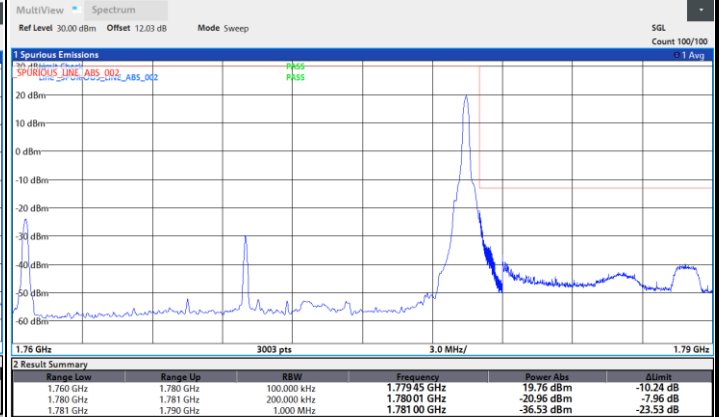
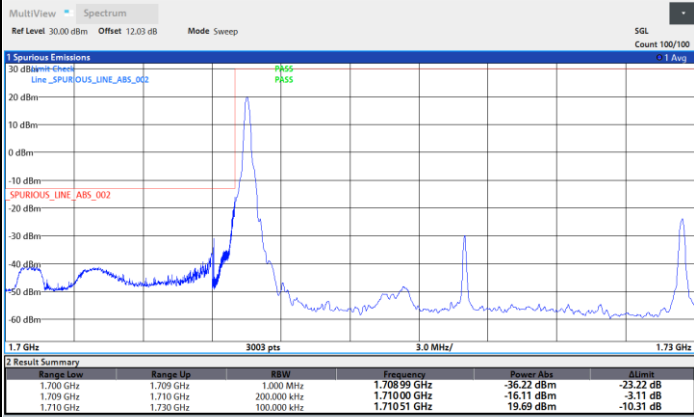




FR1 n66 / 20MHz / DFT-s-OFDM / 64QAM

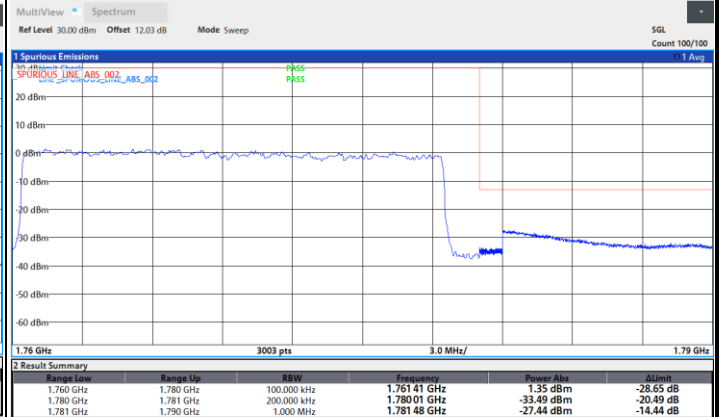
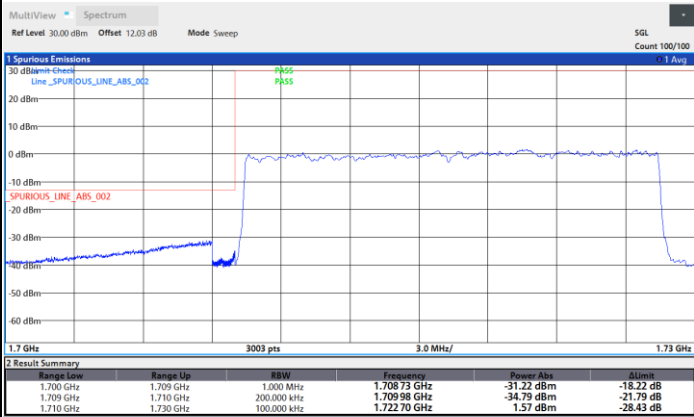
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

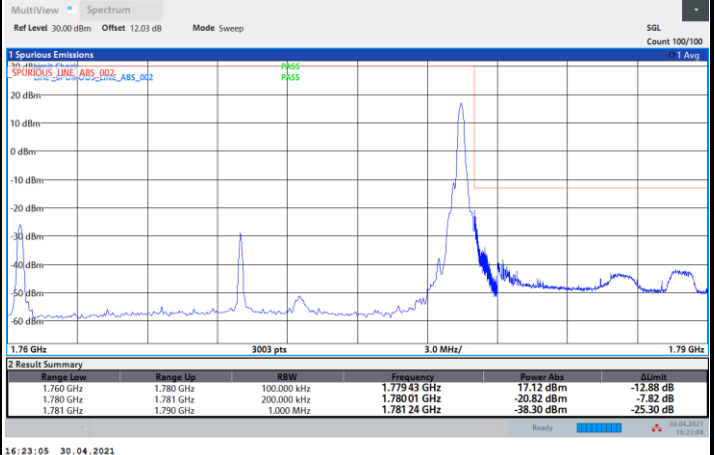
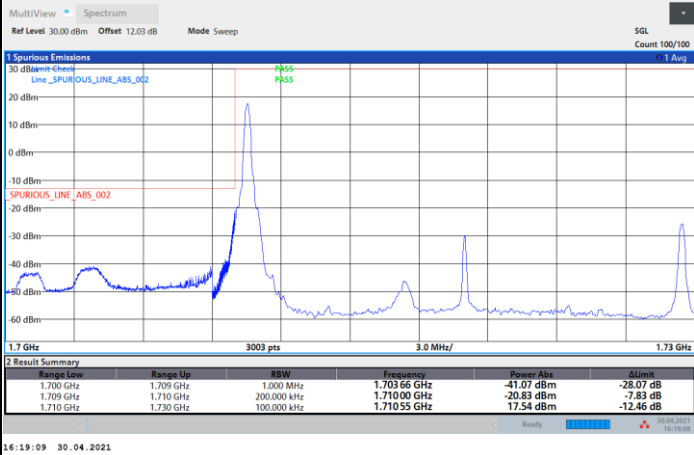




FR1 n66 / 20MHz / DFT-s-OFDM / 256QAM

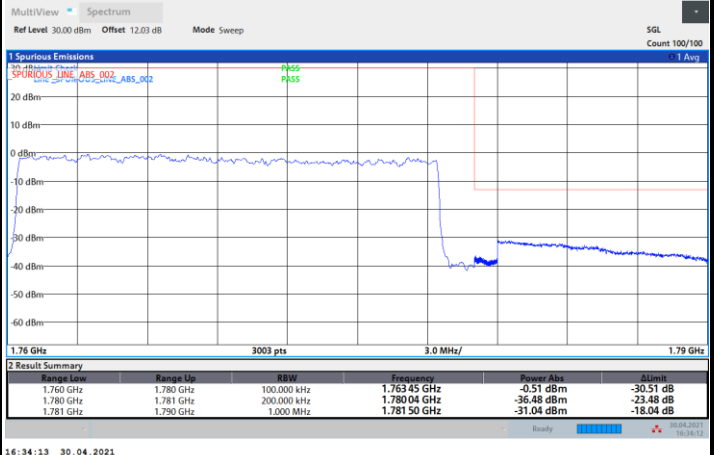
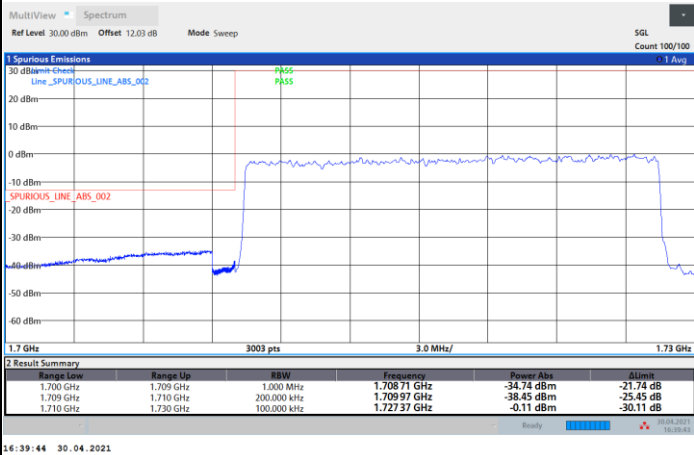
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

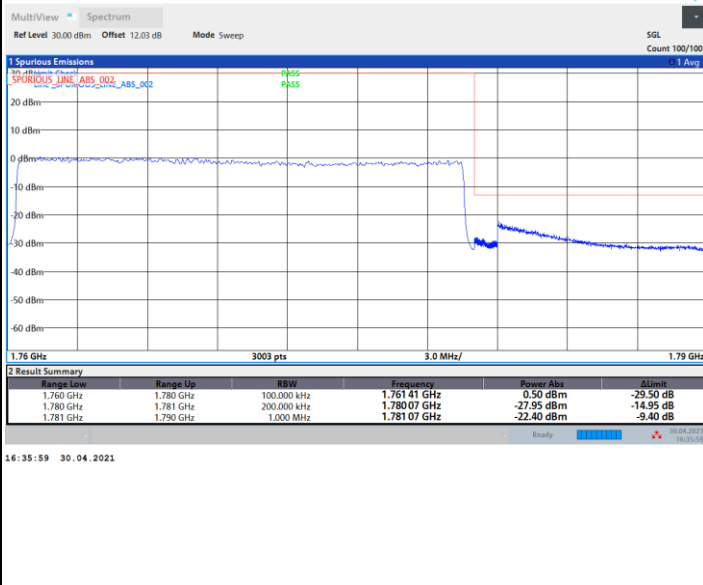
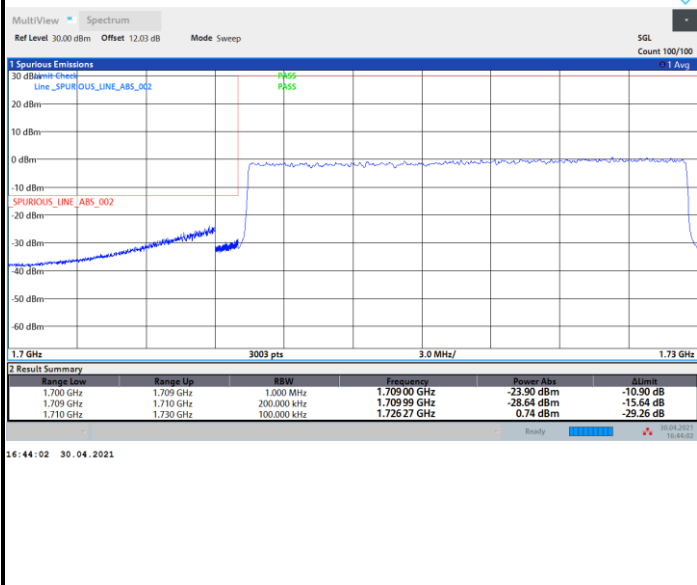




FR1 n66 / 20MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge

Highest Band Edge





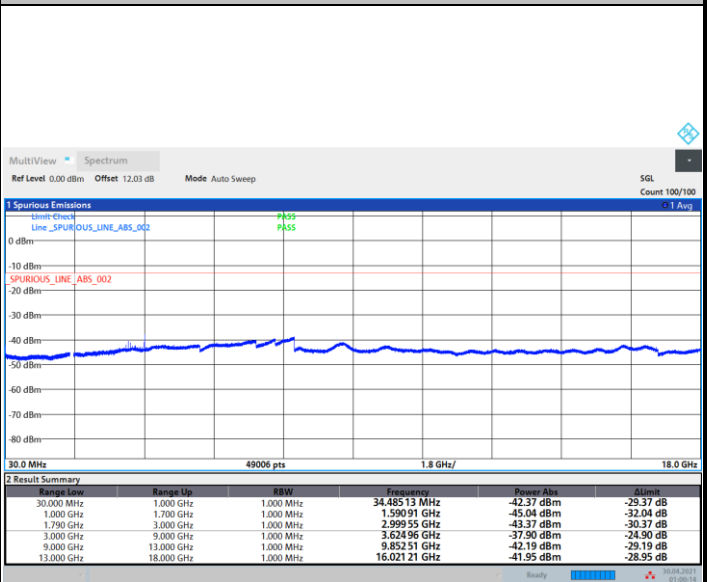
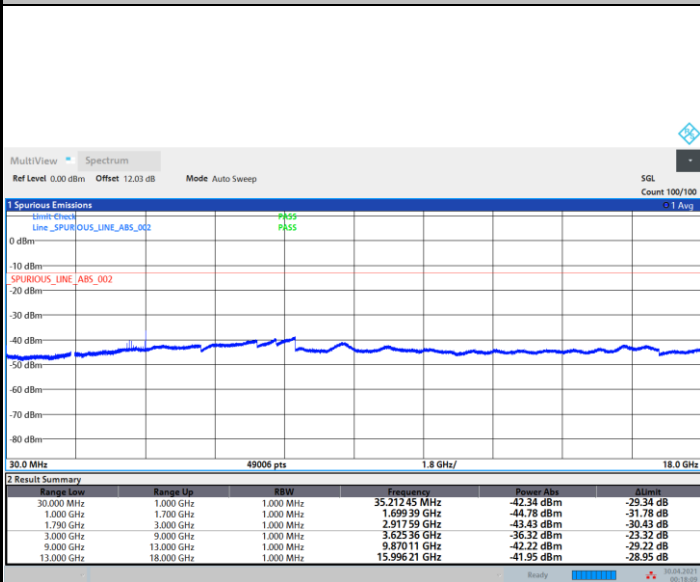


# Conducted Spurious Emission

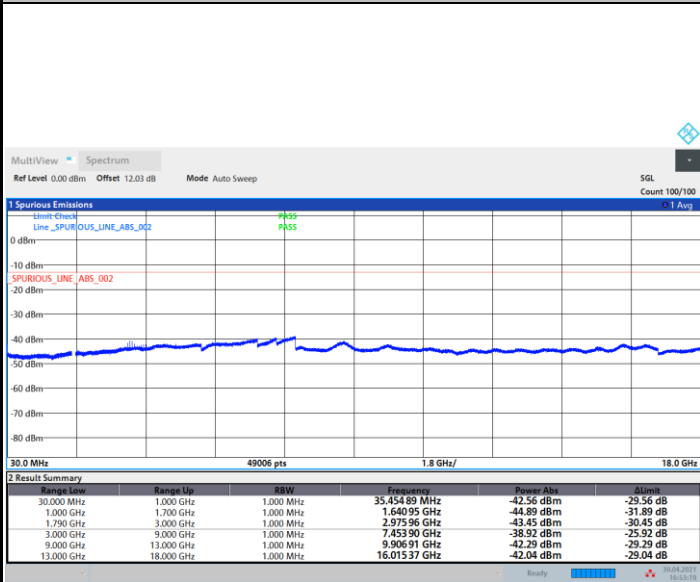
FR1 n66 / 5MHz / DFT-S OFDM / QPSK / 1RB1

## 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	0.0040	PASS
40	Normal Voltage	0.0046	
30	Normal Voltage	0.0013	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0036	
-10	Normal Voltage	0.0061	
-20	Normal Voltage	0.0056	
-30	Normal Voltage	0.0032	
20	Maximum Voltage	0.0043	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0014	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.67 V. ; Maximum Voltage =4.26 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



# FR1 n71

<Main>

## Peak-to-Average Ratio

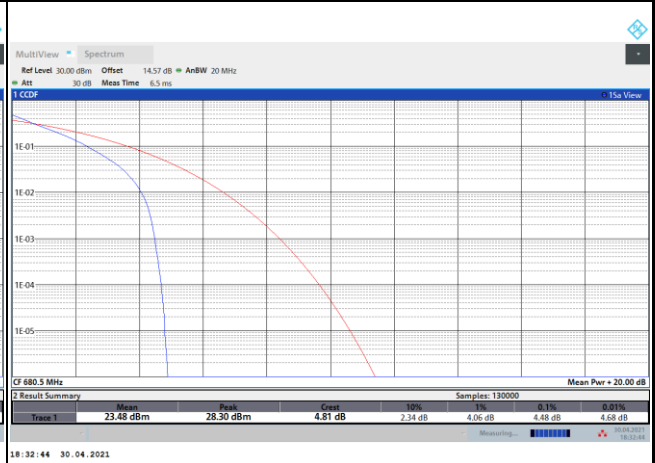
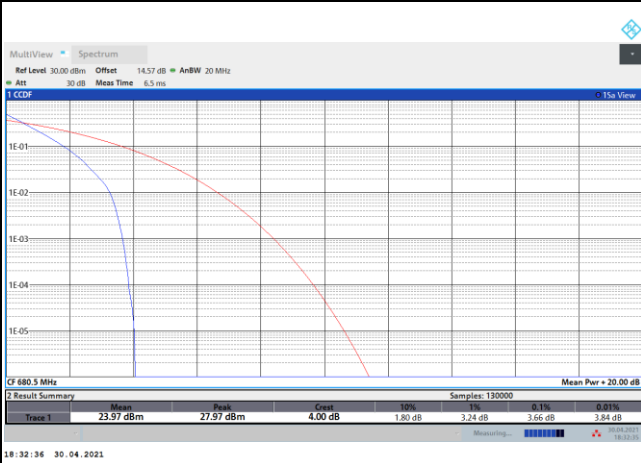
Mode	FR1 n71 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	3.66	4.48	5.50	5.84	PASS
Mode	FR1 n71 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.62				PASS



FR1 n71 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

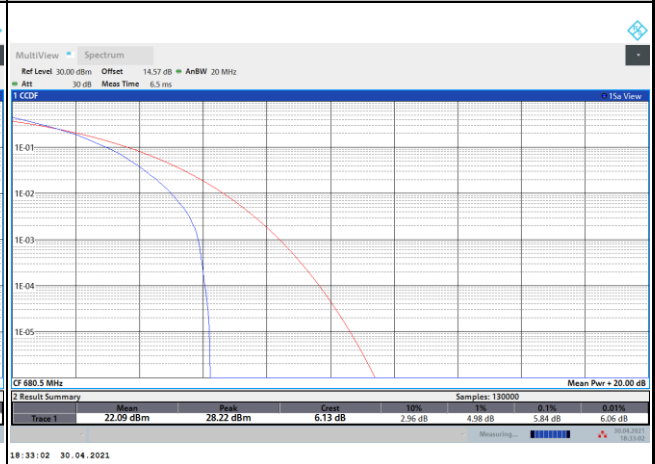
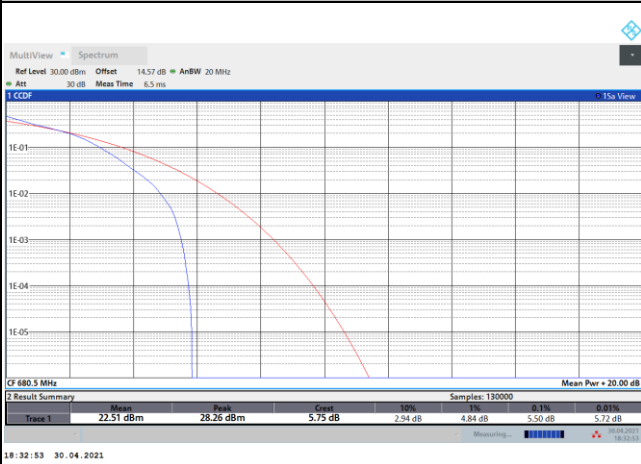
PI/2 BPSK

QPSK

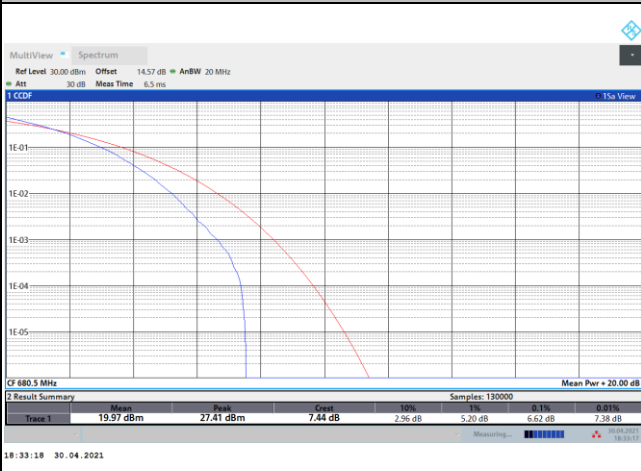


16QAM

64QAM



256QAM





**26dB Bandwidth**

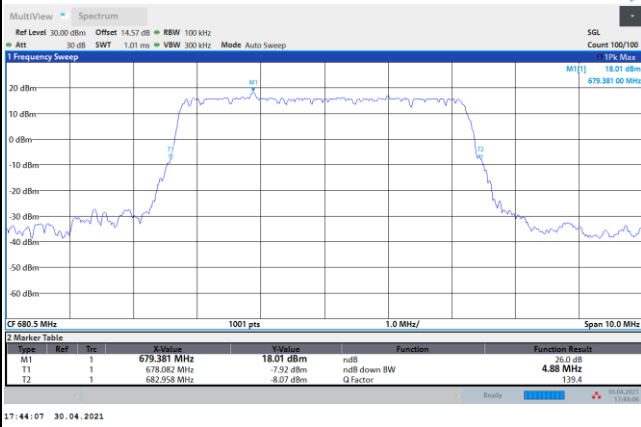
Mode	FR1 n71 : 26dB BW(MHz) / DFT-S OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	PI/2 BPSK		PI/2 BPSK		PI/2 BPSK		PI/2 BPSK	
Middle CH	4.88		9.37		14.39		18.86	

Mode	FR1 n71 : 26dB BW(MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.92	4.91	9.83	9.77	14.99	14.99	19.86	19.94
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.96	4.99	9.93	9.79	14.99	14.96	19.78	19.82



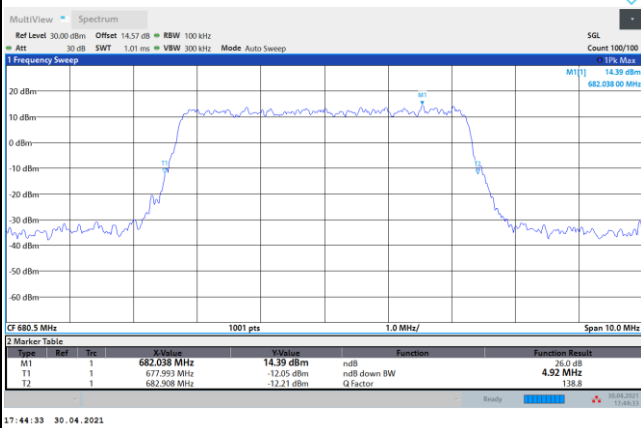
FR1 n71 / 5MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

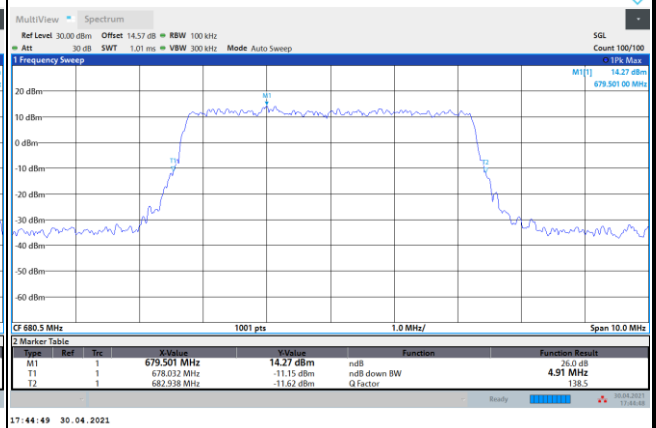


FR1 n71 / 5MHz / CP OFDM / Middle Channel / Full RB

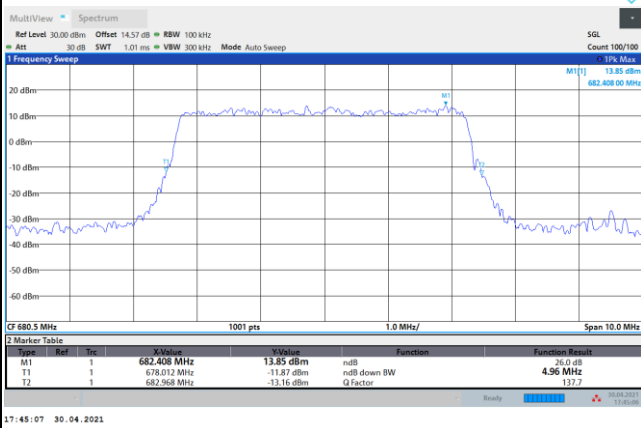
QPSK



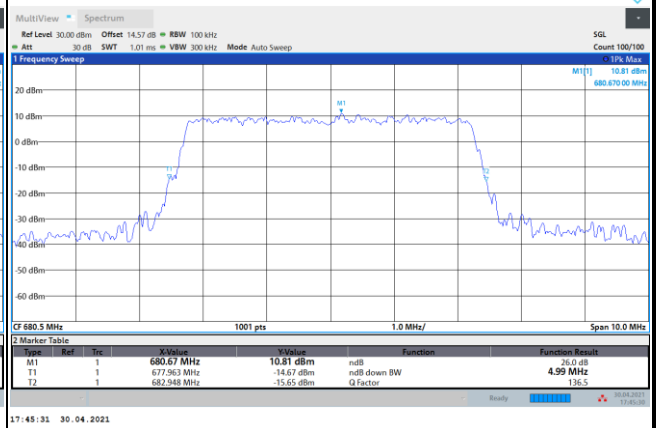
16QAM



64QAM



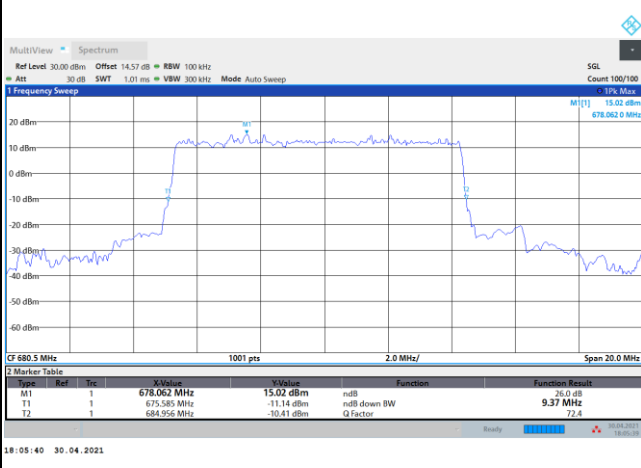
256QAM





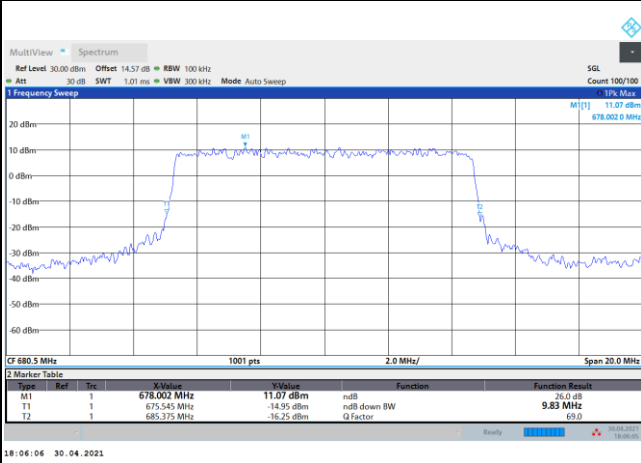
FR1 n71 / 10MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

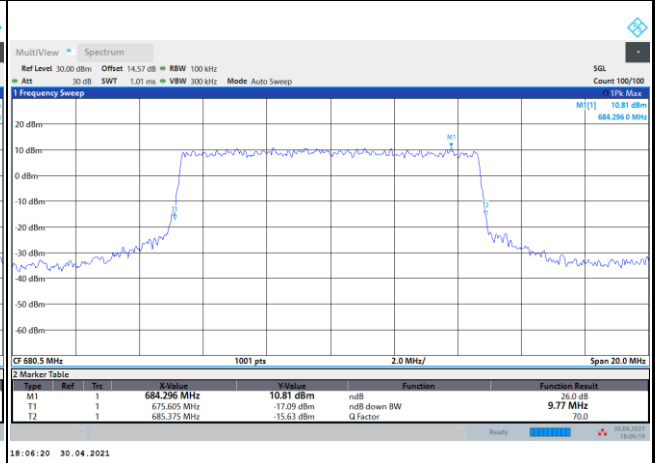


FR1 n71 / 10MHz / CP OFDM / Middle Channel / Full RB

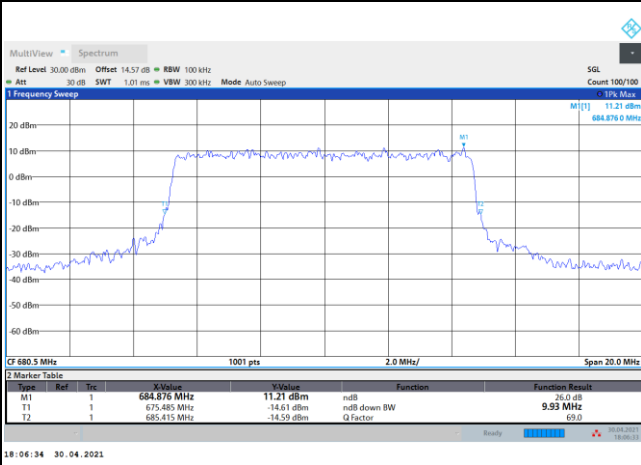
QPSK



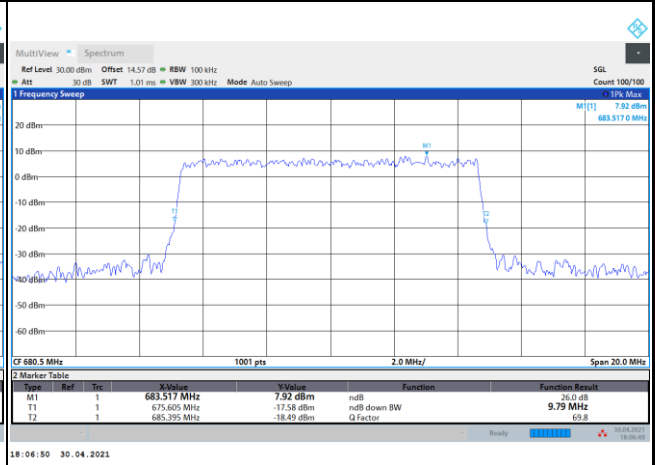
16QAM



64QAM



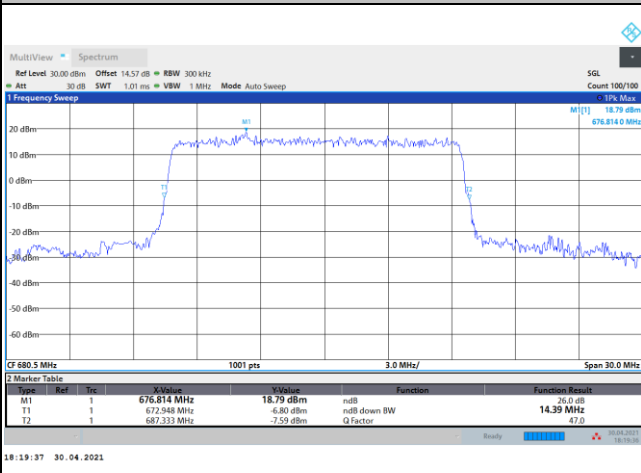
256QAM





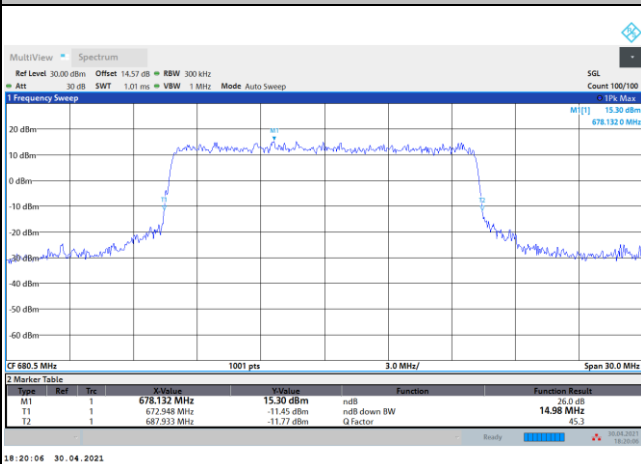
FR1 n71 / 15MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

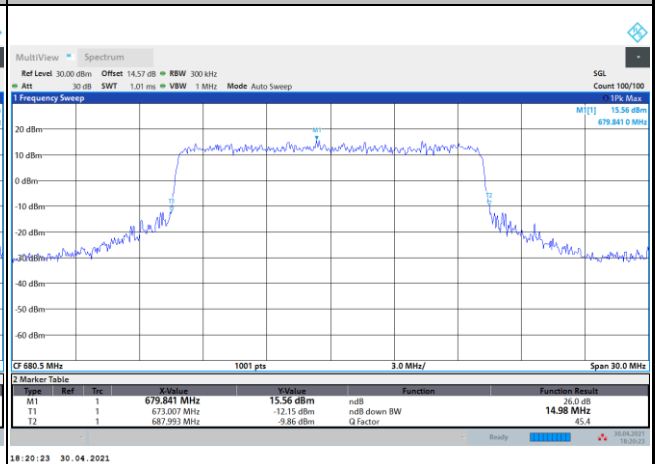


FR1 n71 / 15MHz / CP OFDM / Middle Channel / Full RB

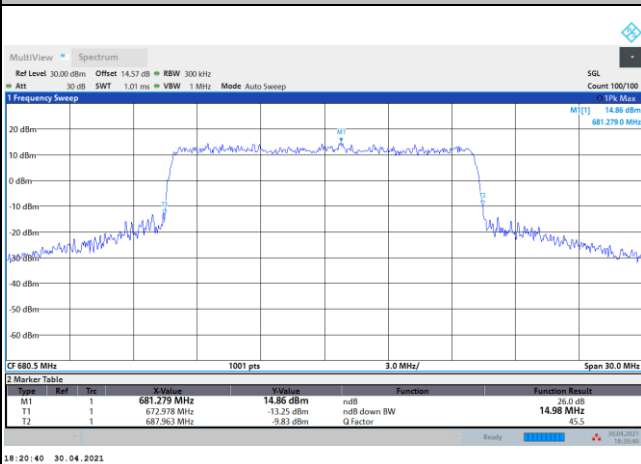
QPSK



16QAM



64QAM



256QAM

