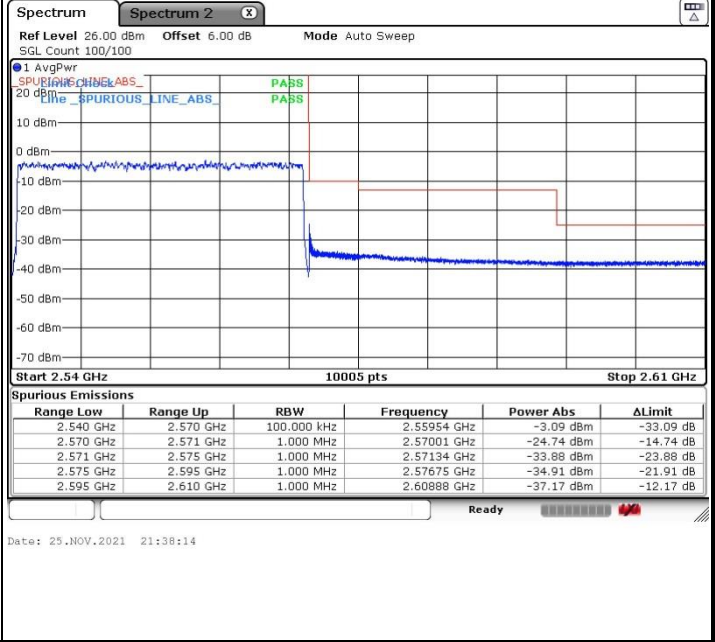
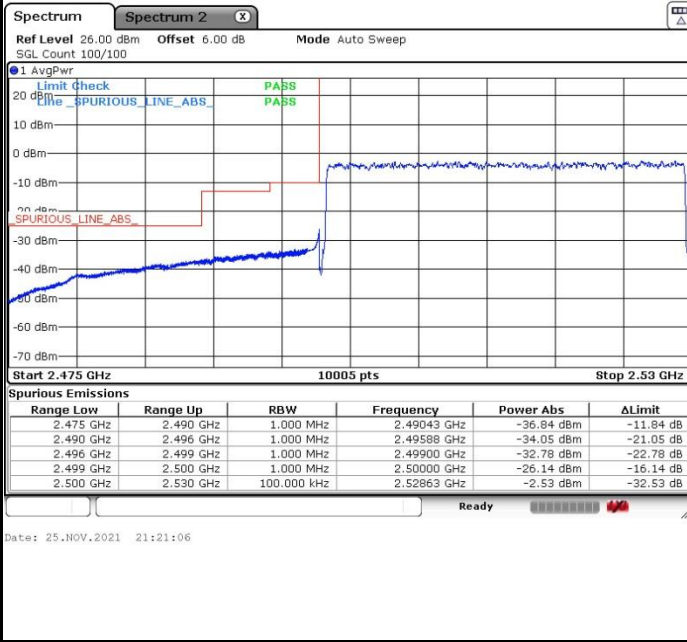




FR1 n7 / 30MHz / DFT-s-OFDM / PI/2 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

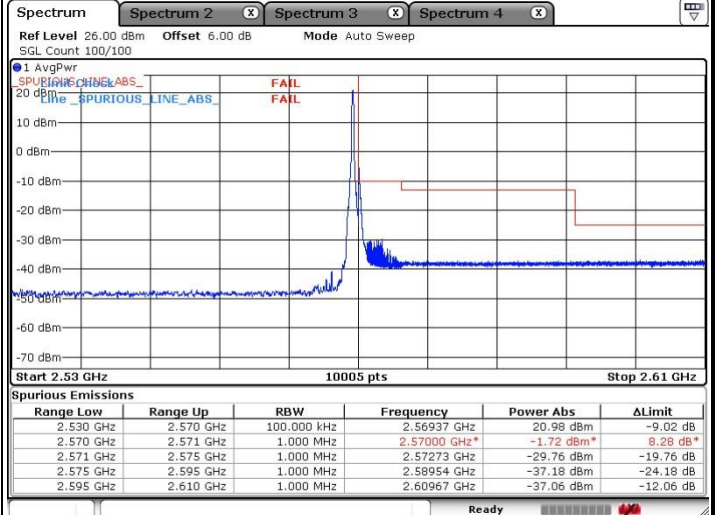
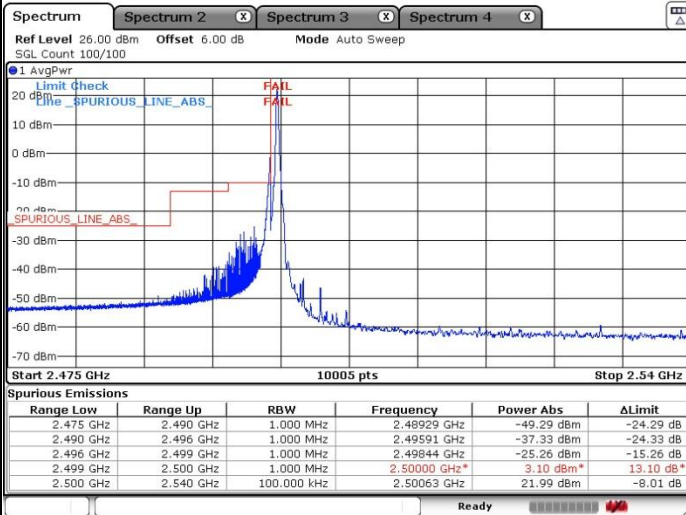




FR1 n7 / 40MHz / DFT-s-OFDM / PI/2 BPSK

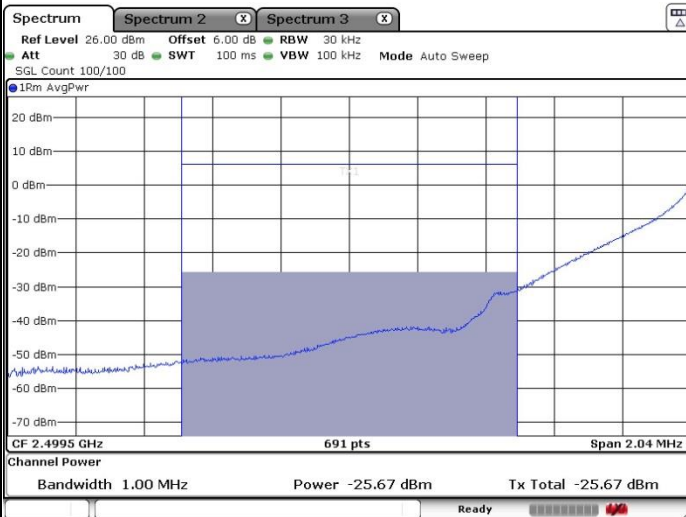
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

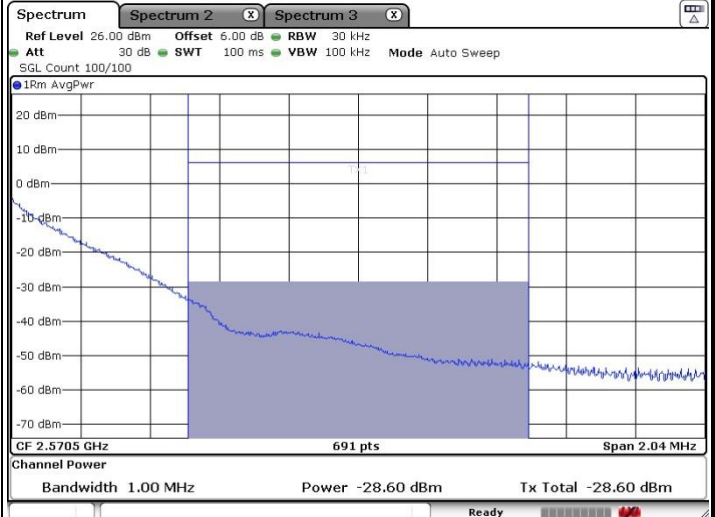


Date: 25.NOV.2021 23:07:39

Date: 25.NOV.2021 23:55:20



Date: 26.NOV.2021 01:26:45



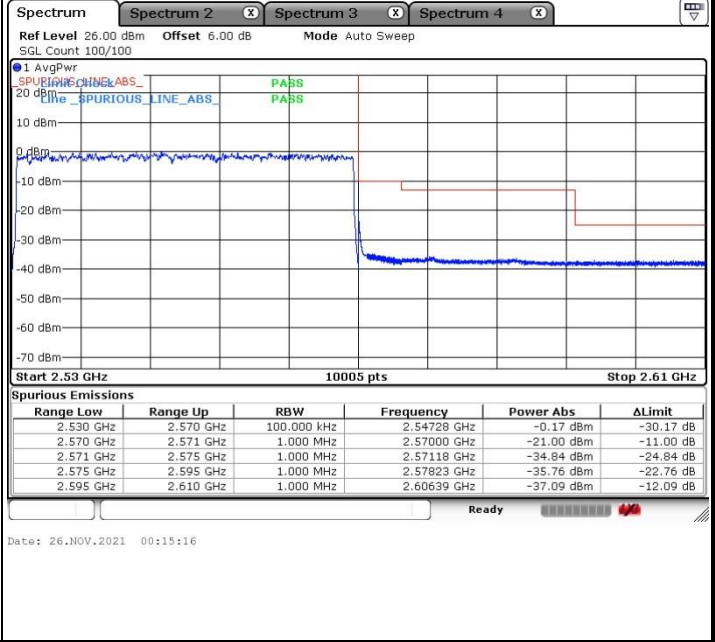
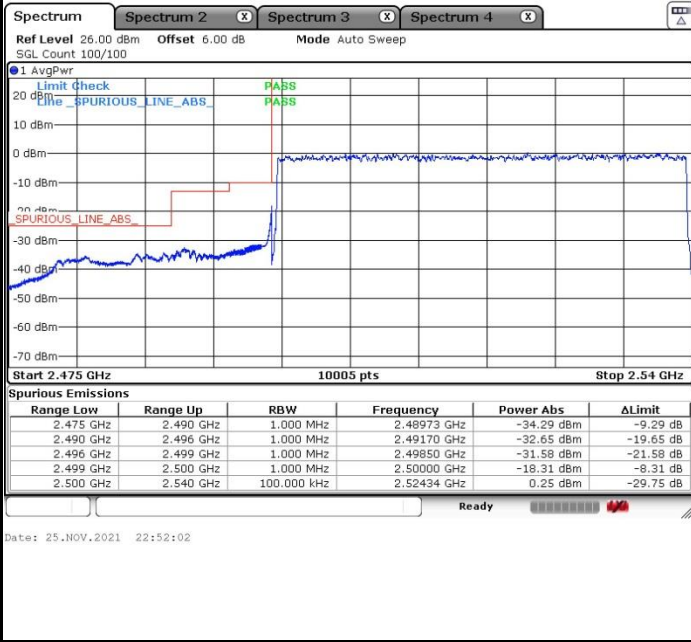
Date: 26.NOV.2021 01:31:17



FR1 n7 /40MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

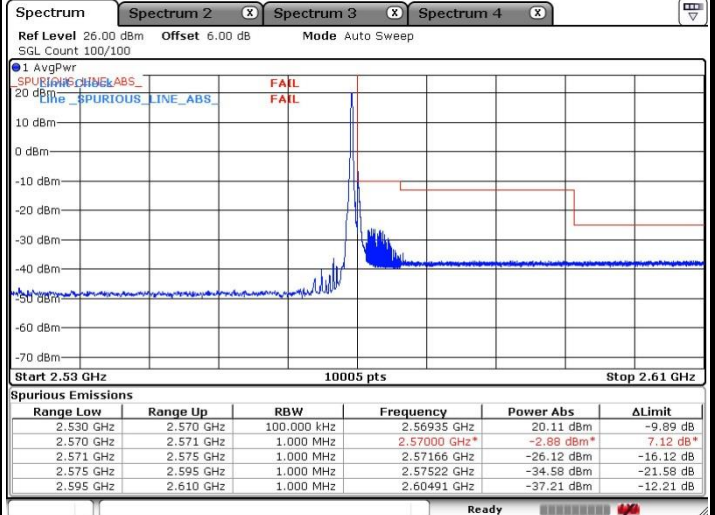
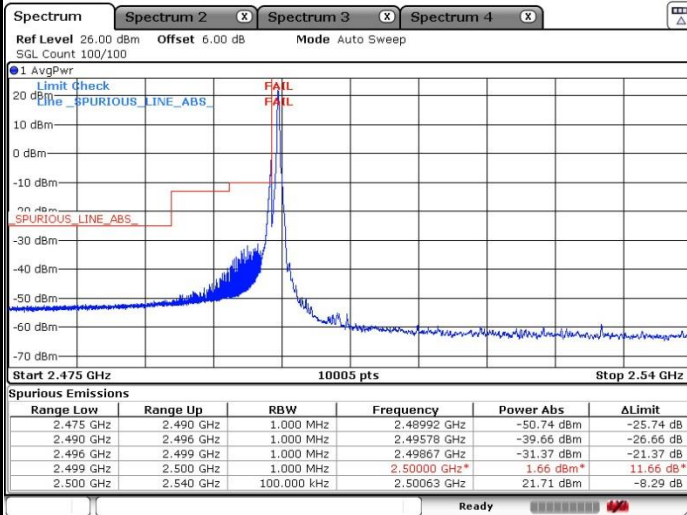




FR1 n7 / 40MHz / DFT-s-OFDM / PI/2 QPSK

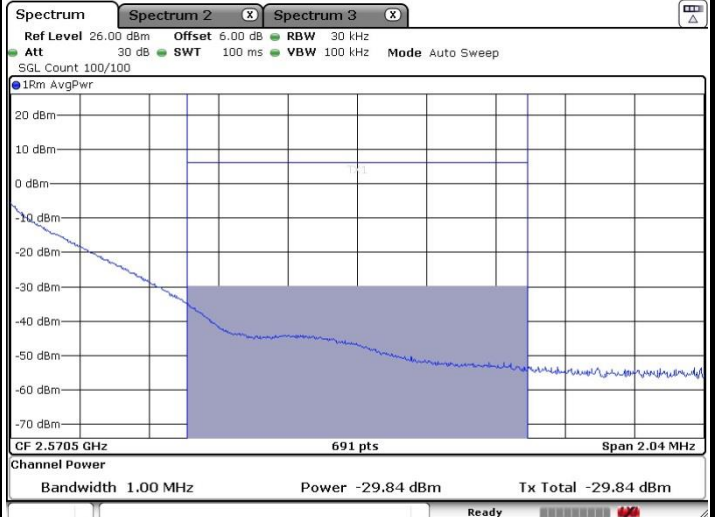
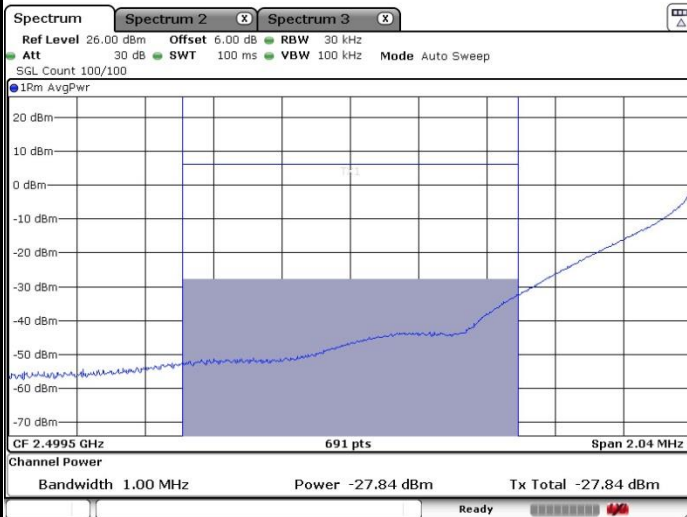
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Date: 25.NOV.2021 23:05:24

Date: 25.NOV.2021 23:57:41



Date: 26.NOV.2021 01:24:16

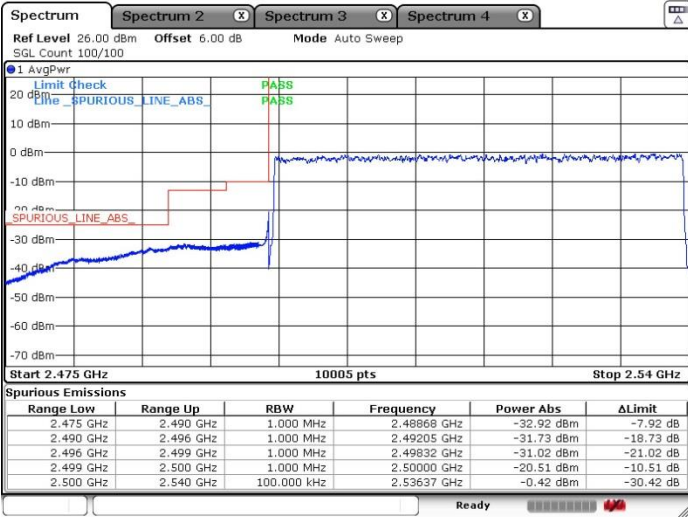
Date: 26.NOV.2021 01:32:03



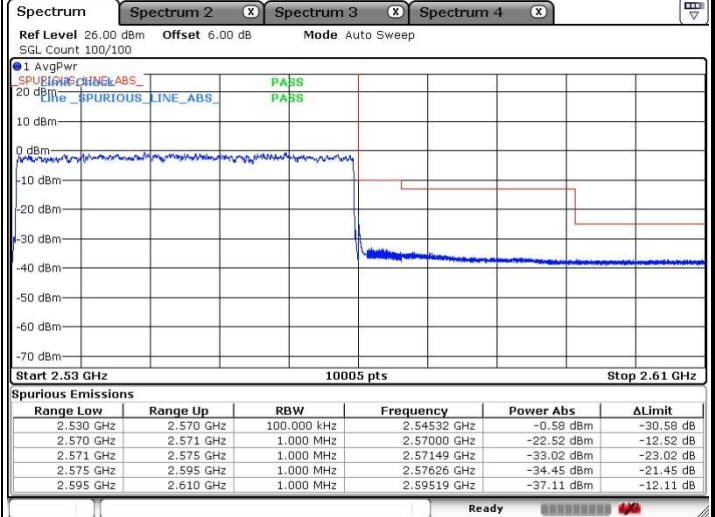
FR1 n7 / 40MHz / DFT-s-OFDM / PI/2 QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.NOV.2021 22:49:34



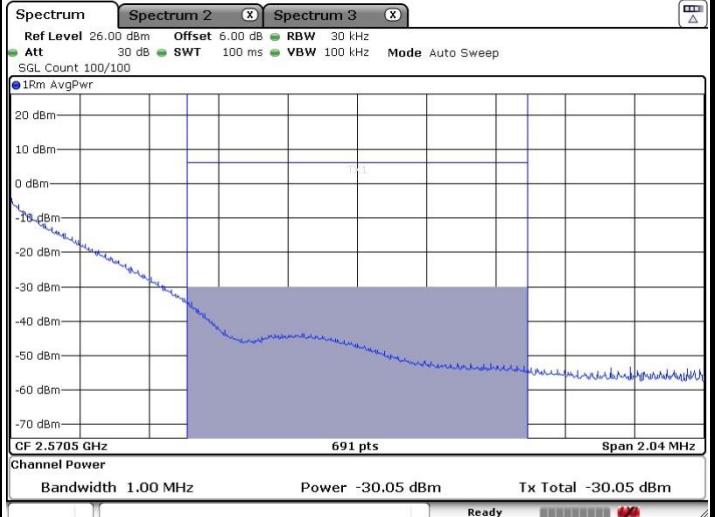
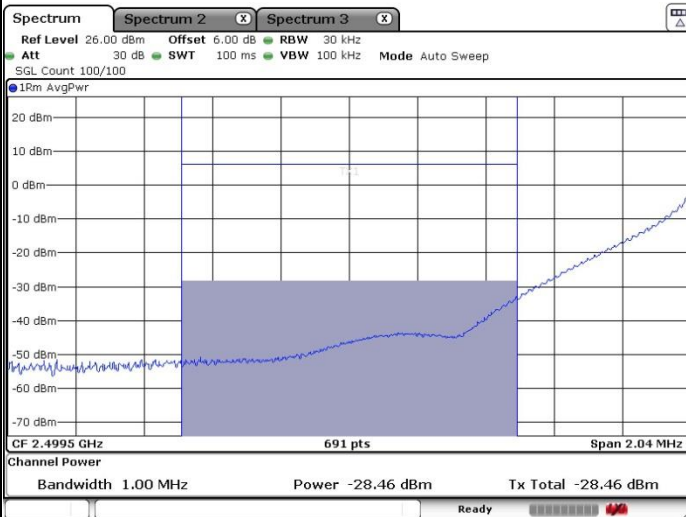
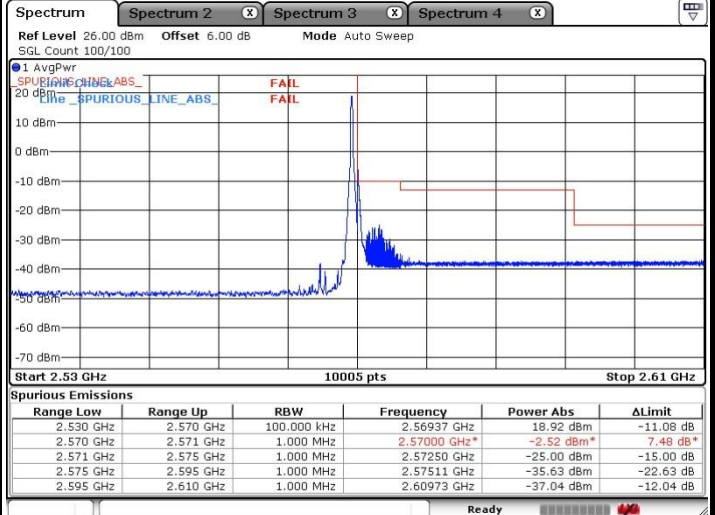
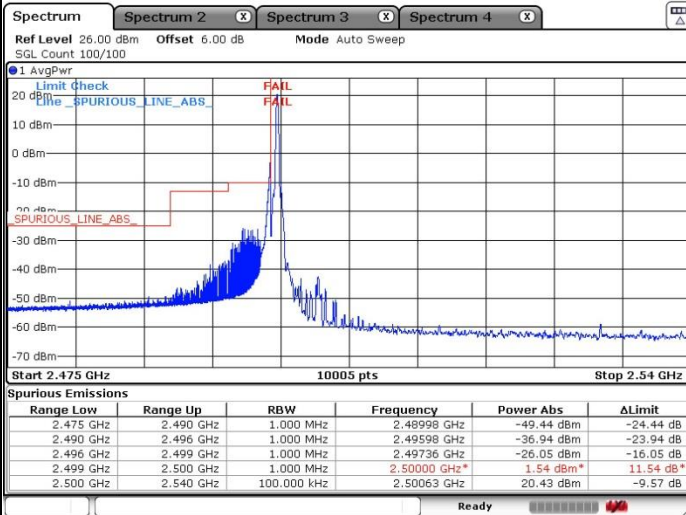
Date: 26.NOV.2021 00:13:04



FR1 n7 / 40MHz / DFT-s-OFDM / PI/2 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

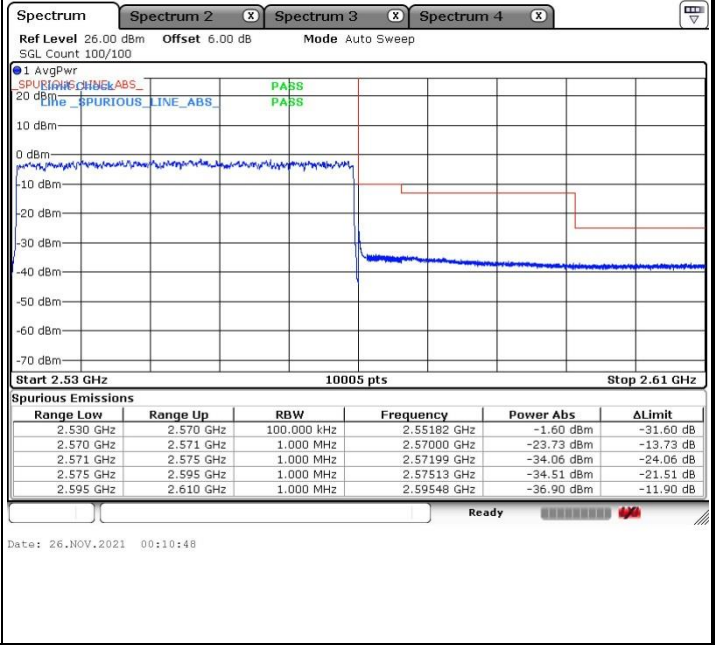
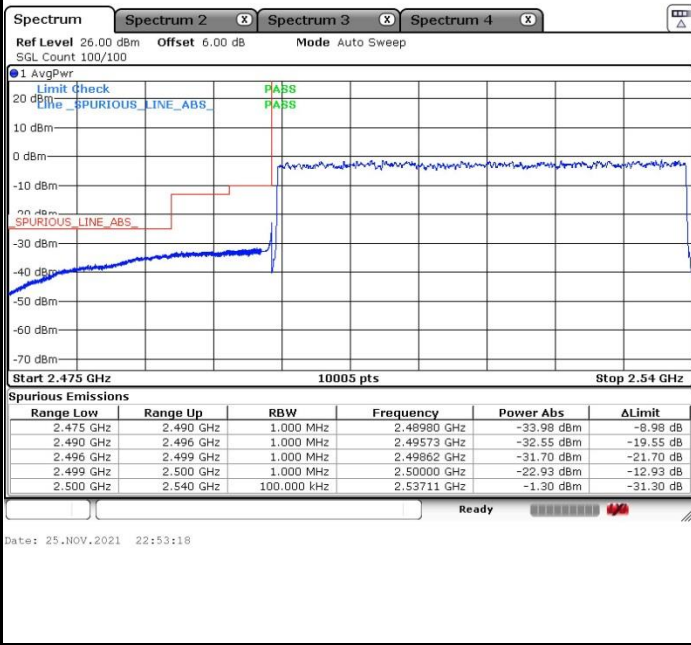




FR1 n7 /40MHz / DFT-s-OFDM / PI/2 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

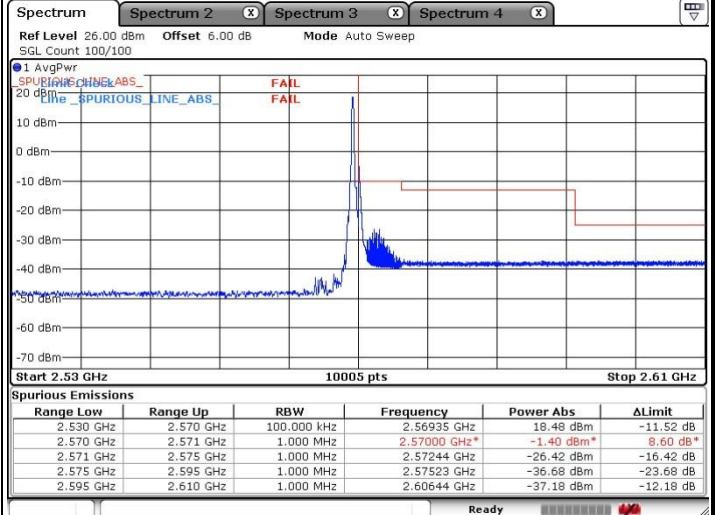
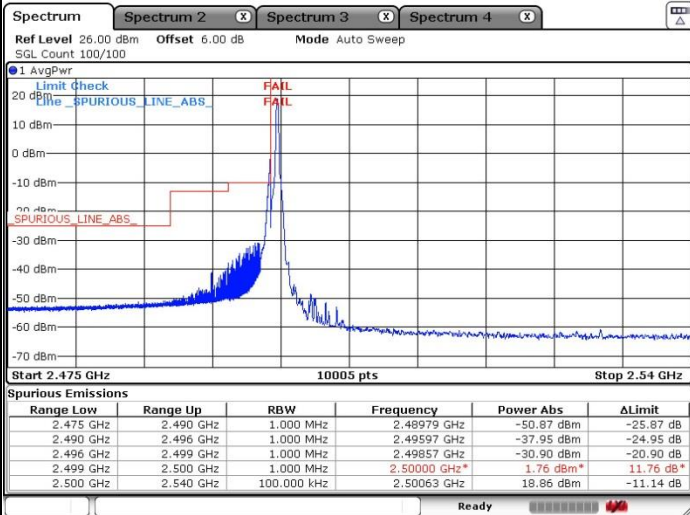




FR1 n7 / 40MHz / DFT-s-OFDM / PI/2 64QAM

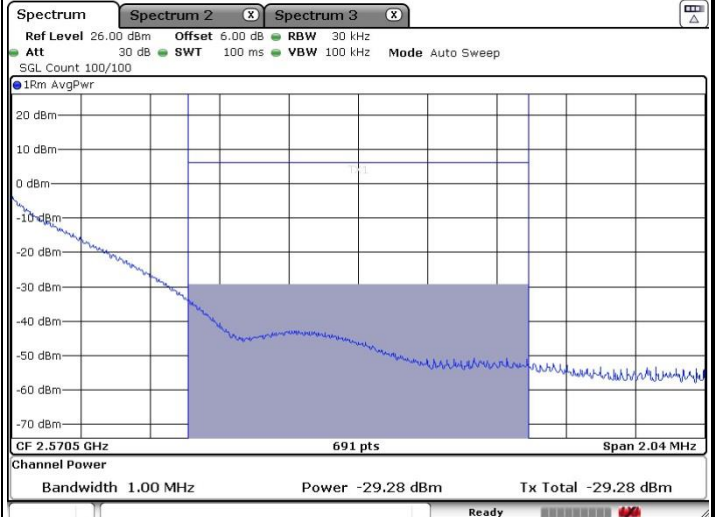
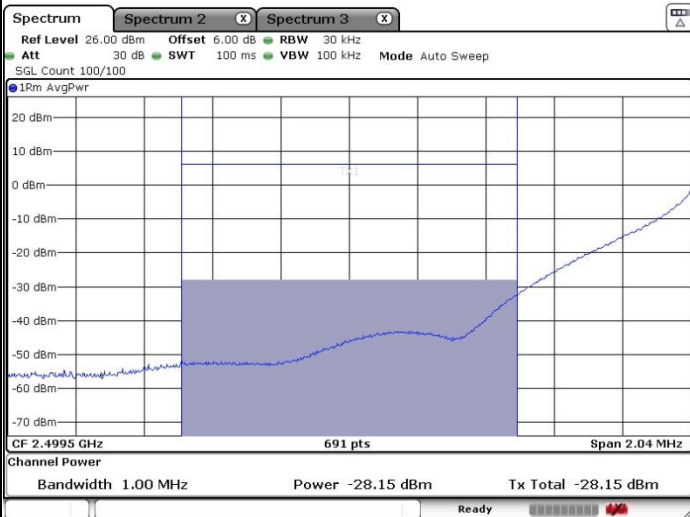
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Date: 25.NOV.2021 23:00:19

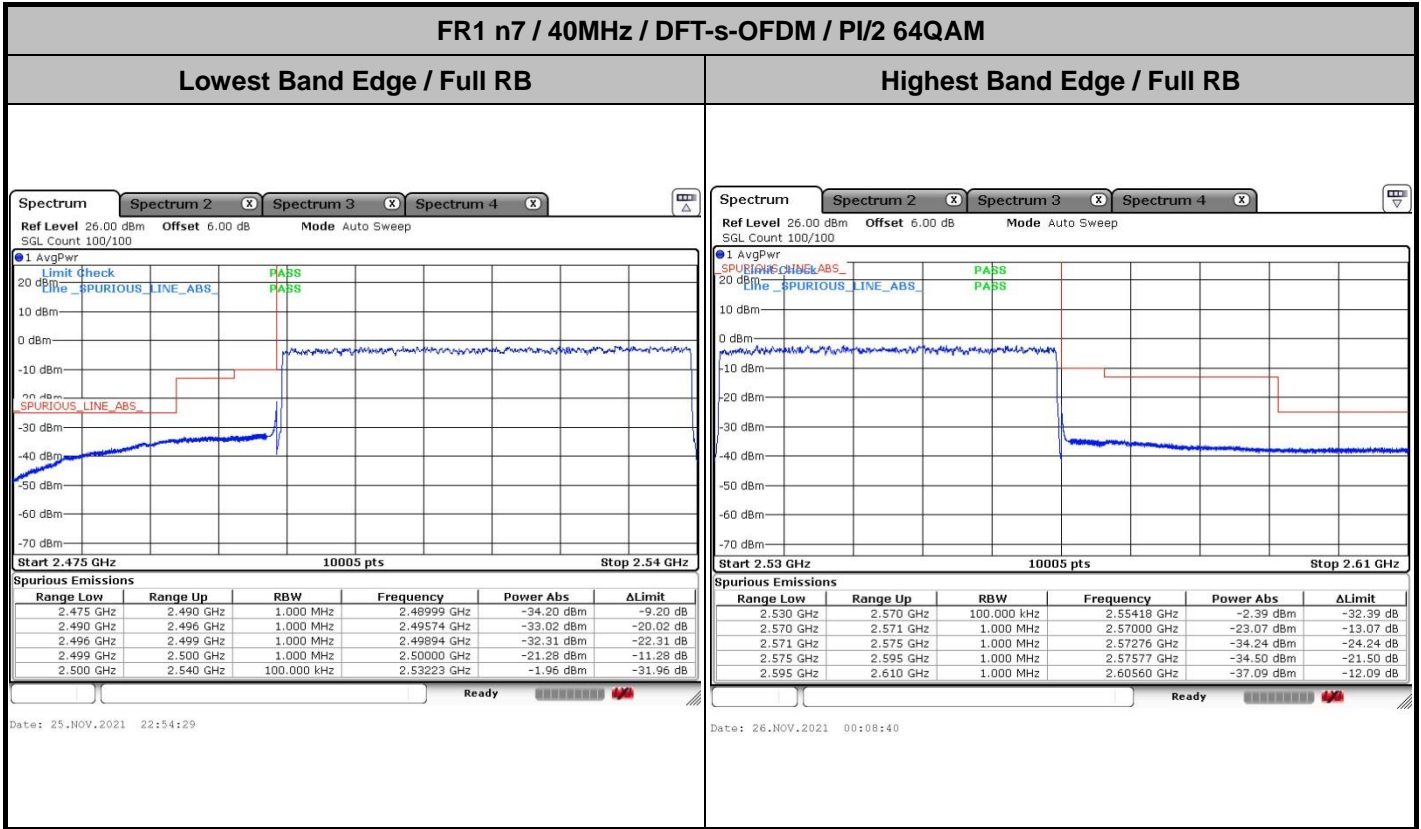
Date: 26.NOV.2021 00:02:04



Date: 26.NOV.2021 01:25:49

Date: 26.NOV.2021 01:32:51



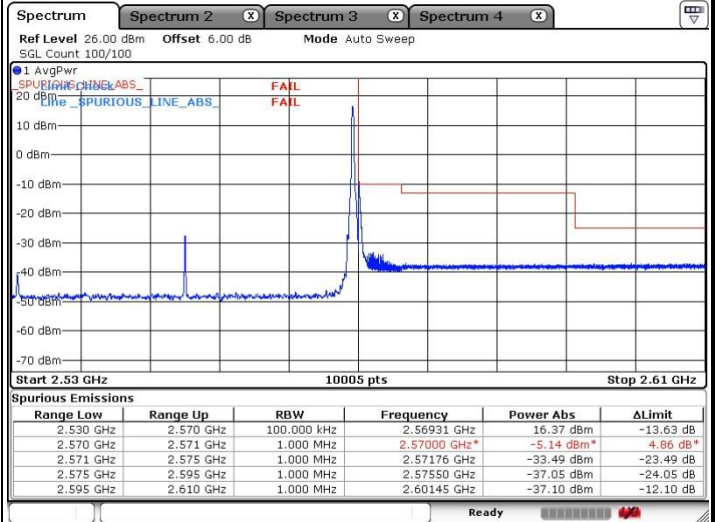
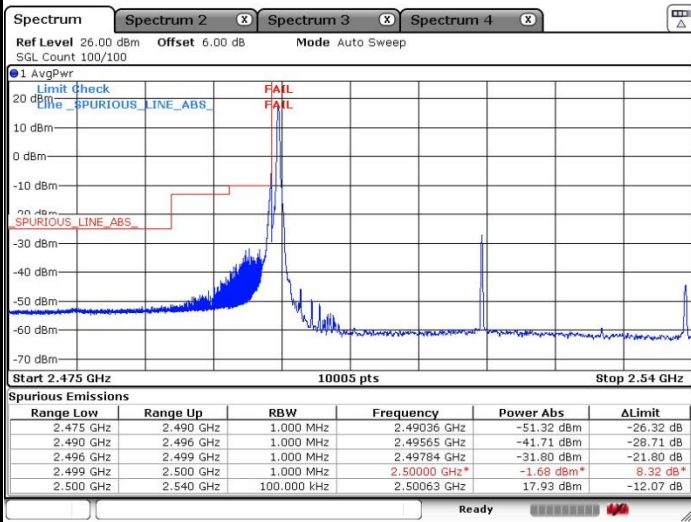




FR1 n7 / 40MHz / DFT-s-OFDM / PI/2 256QAM

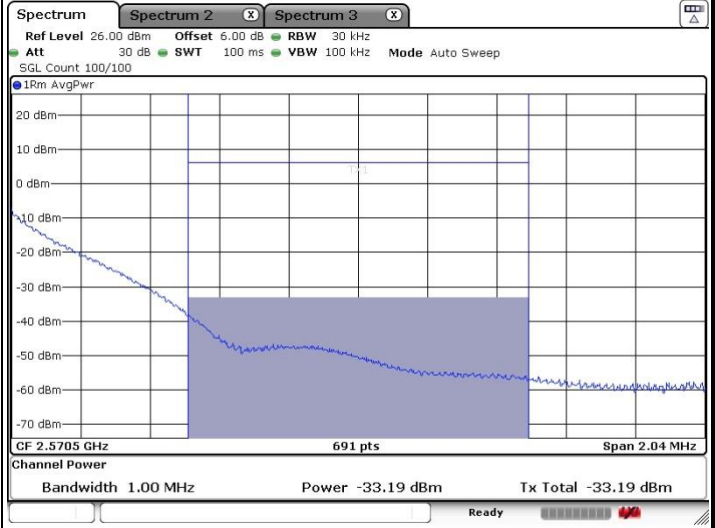
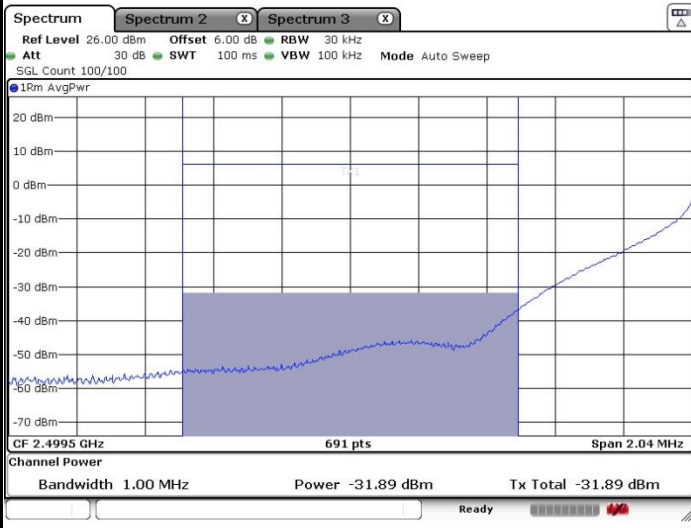
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Date: 25.NOV.2021 22:58:11

Date: 26.NOV.2021 00:04:20



Date: 26.NOV.2021 01:26:13

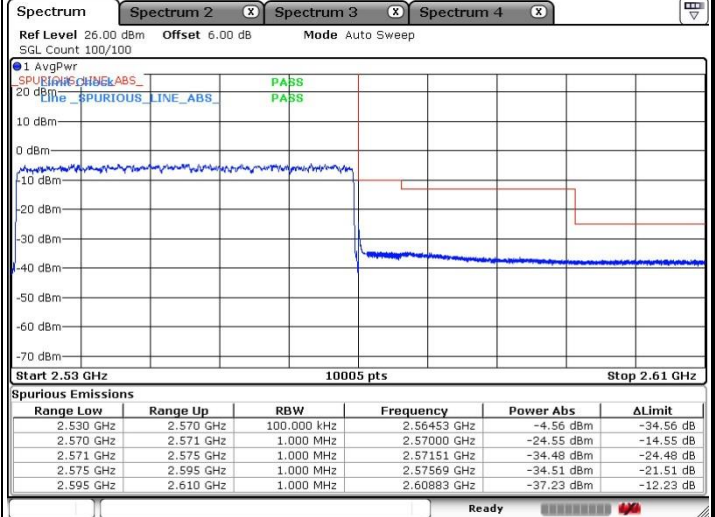
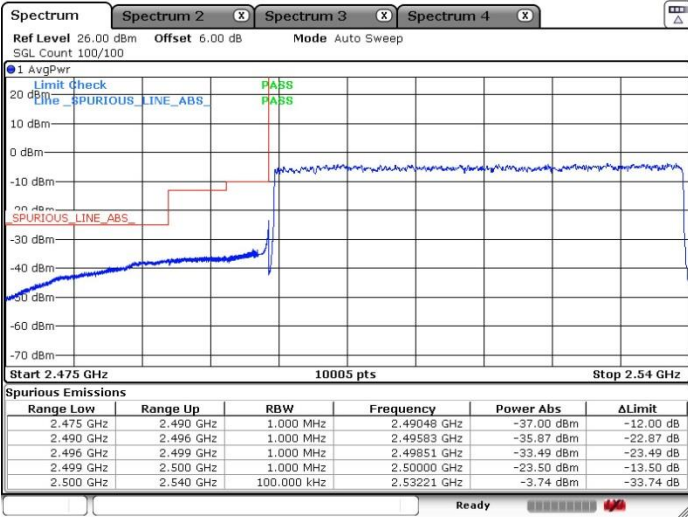
Date: 26.NOV.2021 01:33:30



FR1 n7 / 40MHz / DFT-s-OFDM / PI/2 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.NOV.2021 22:55:42

Date: 26.NOV.2021 00:06:28

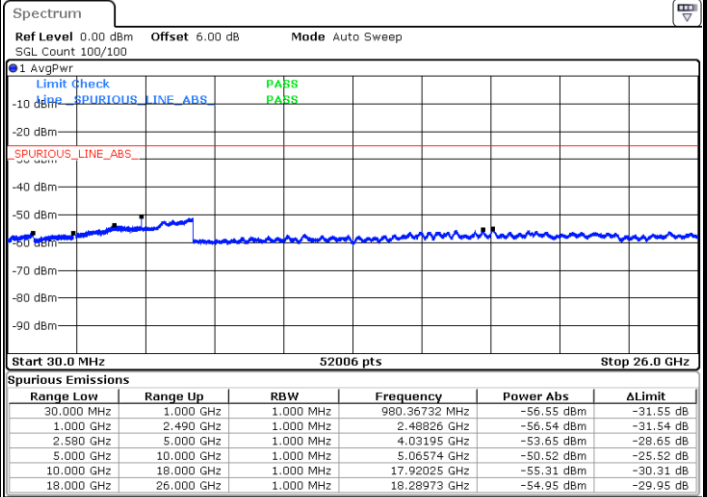
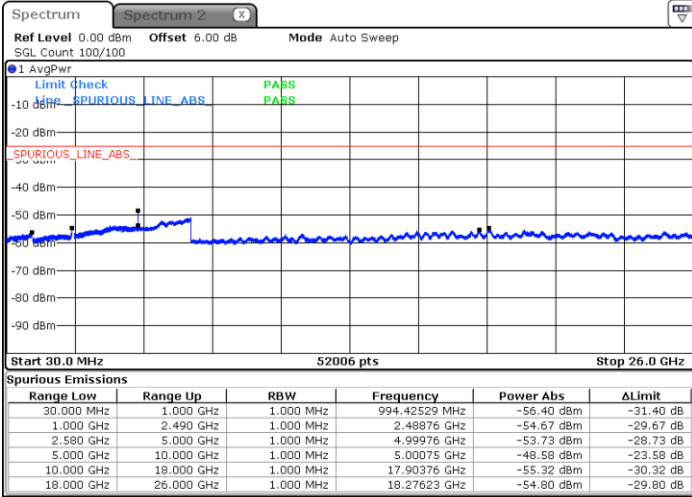


# Conducted Spurious Emission

FR1 n7 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

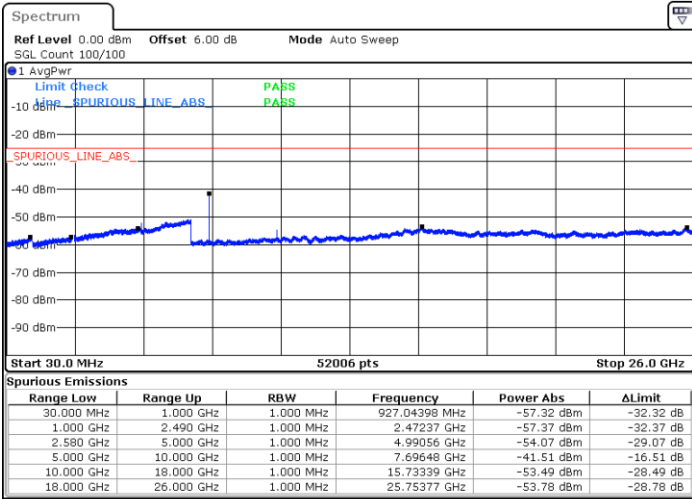
Middle Channel / 1RB1



Date: 26.NOV.2021 13:04:11

Date: 2.DEC.2021 12:35:23

Highest Channel / 1RB1



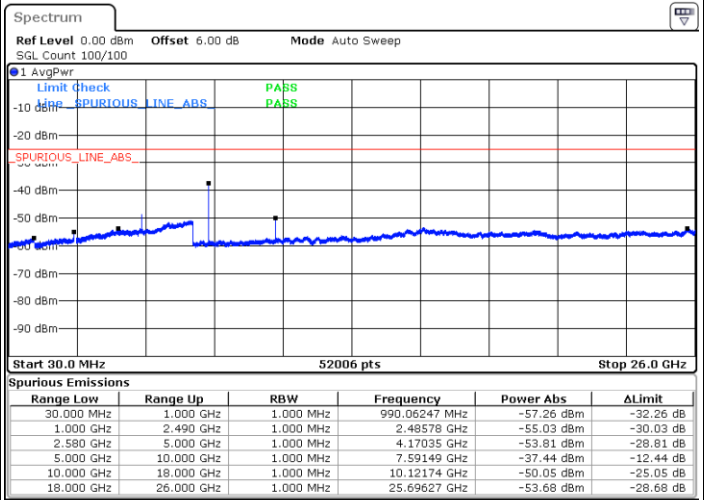
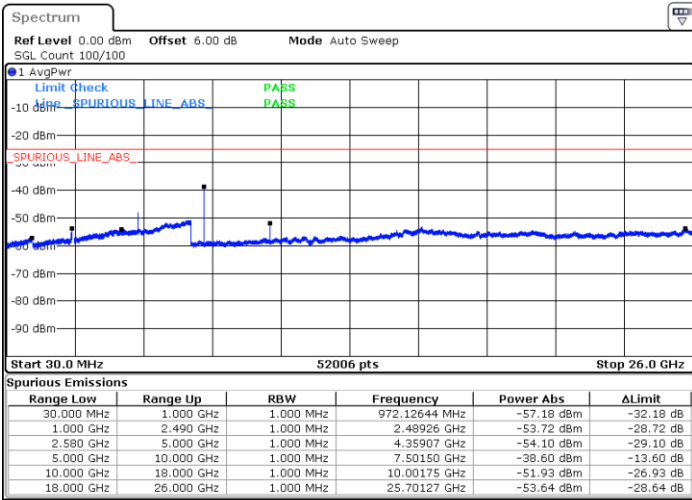
Date: 26.NOV.2021 14:34:50



FR1 n7 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

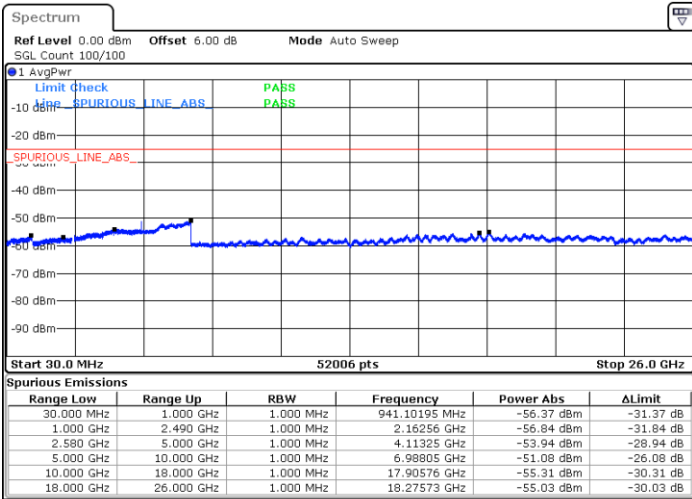
Middle Channel / 1RB1



Date: 25.NOV.2021 03:50:25

Date: 25.NOV.2021 03:47:35

Highest Channel / 1RB1



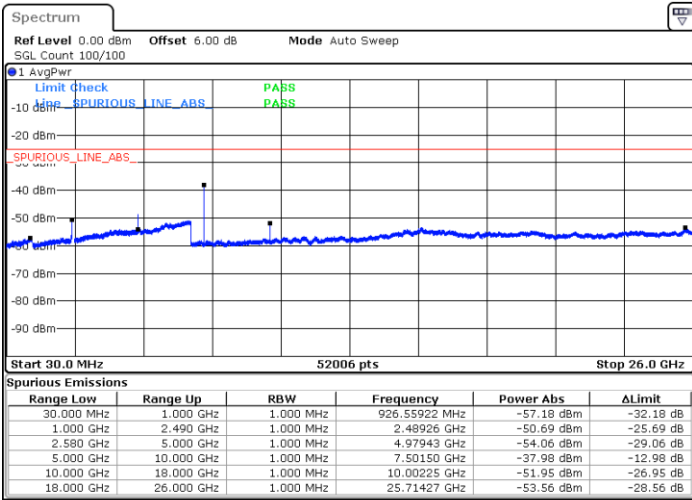
Date: 26.NOV.2021 09:50:45



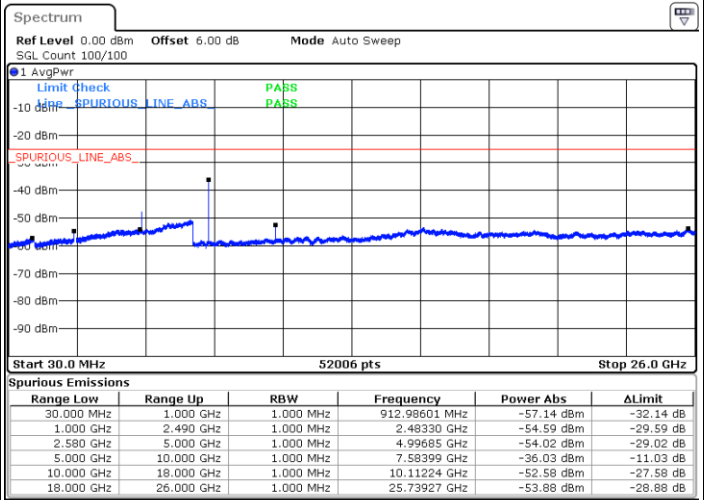
FR1 n7 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

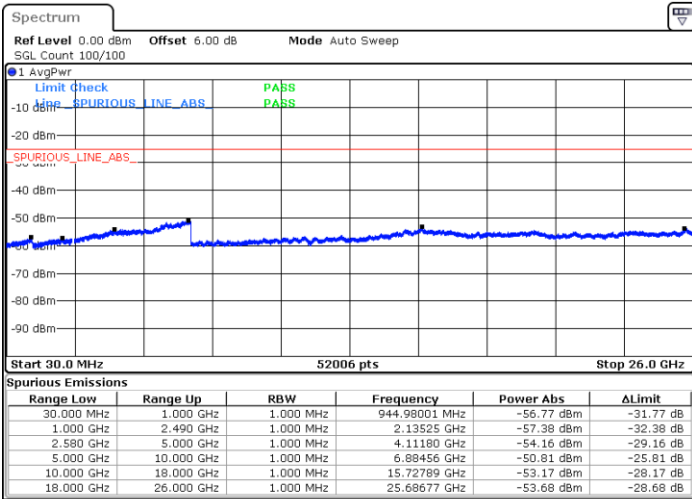


Date: 25.NOV.2021 03:30:36



Date: 25.NOV.2021 03:14:21

Highest Channel / 1RB1



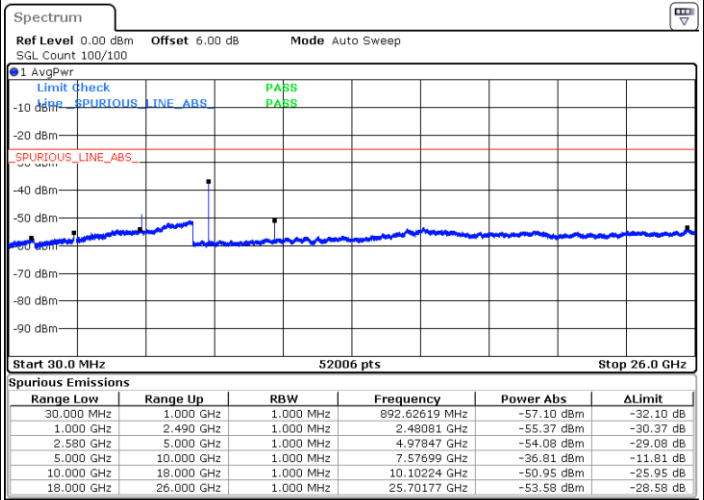
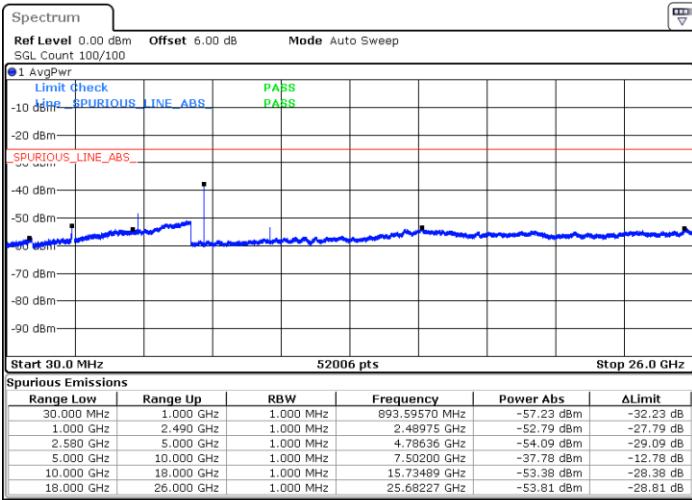
Date: 25.NOV.2021 03:32:51



FR1 n7 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

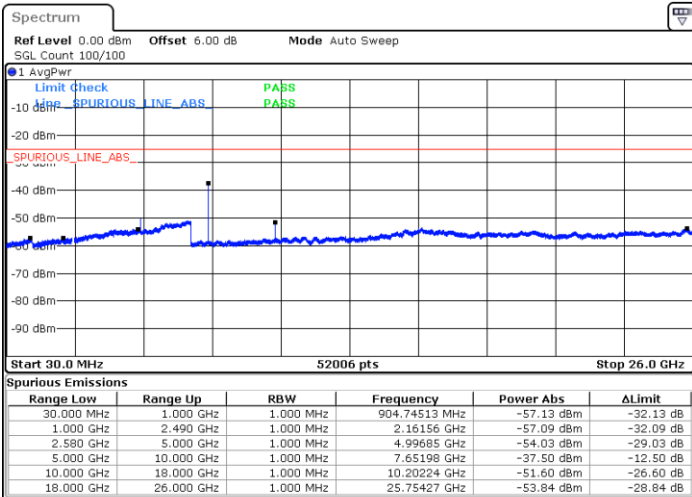
Middle Channel / 1RB1



Date: 25.NOV.2021 02:15:35

Date: 25.NOV.2021 02:31:22

Highest Channel / 1RB1



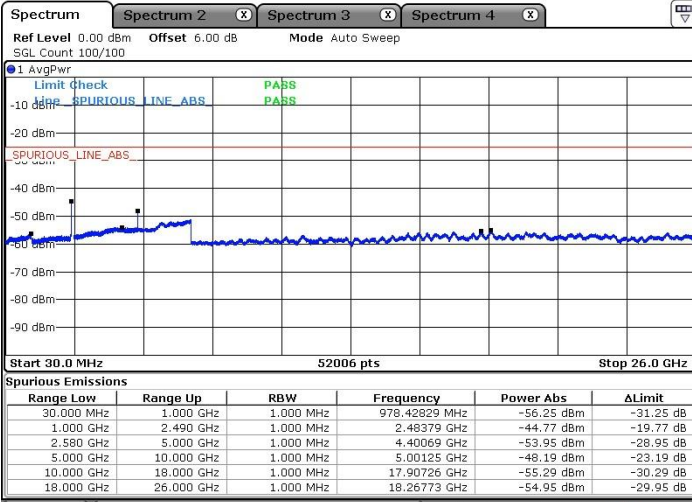
Date: 25.NOV.2021 02:57:20



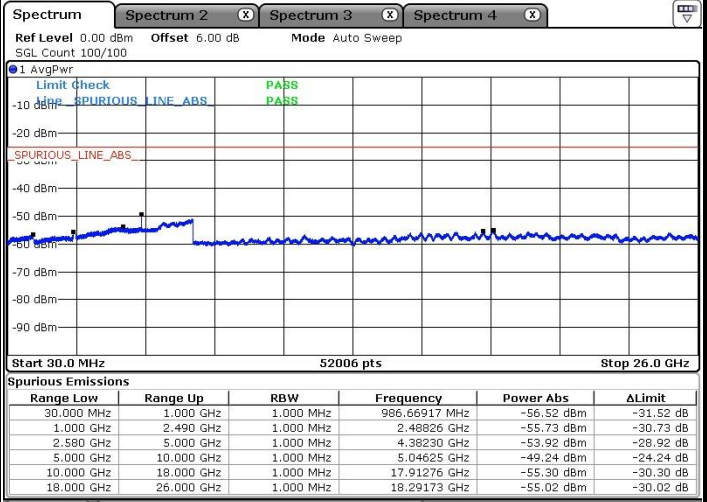
FR1 n7 / 25MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

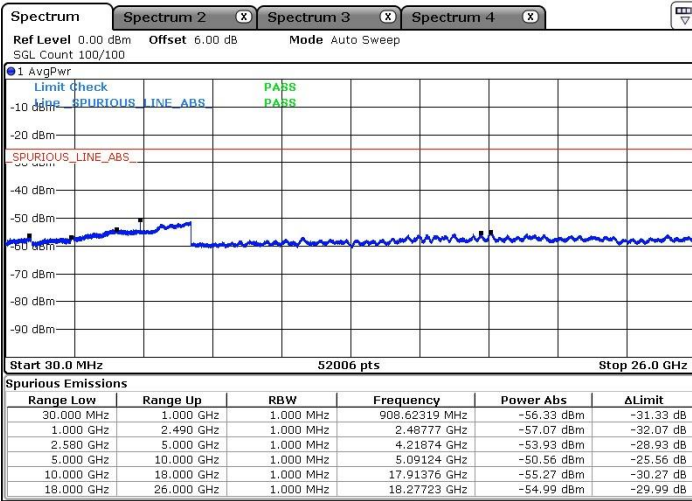


Date: 2.DEC.2021 10:50:56



Date: 2.DEC.2021 10:49:15

Highest Channel / 1RB1



Date: 2.DEC.2021 12:14:08

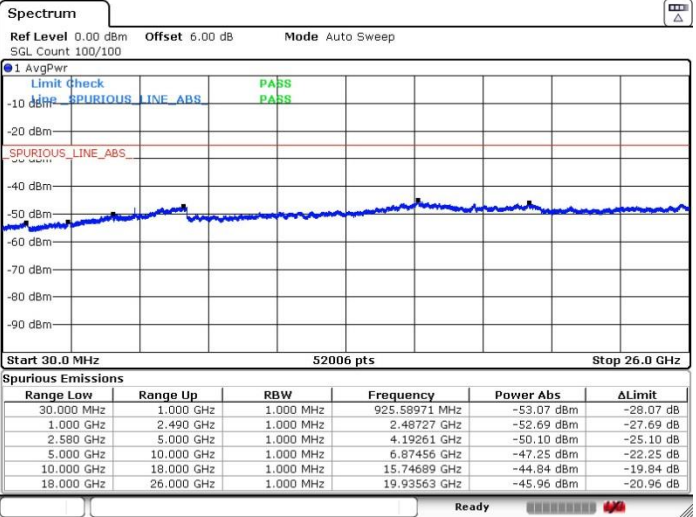
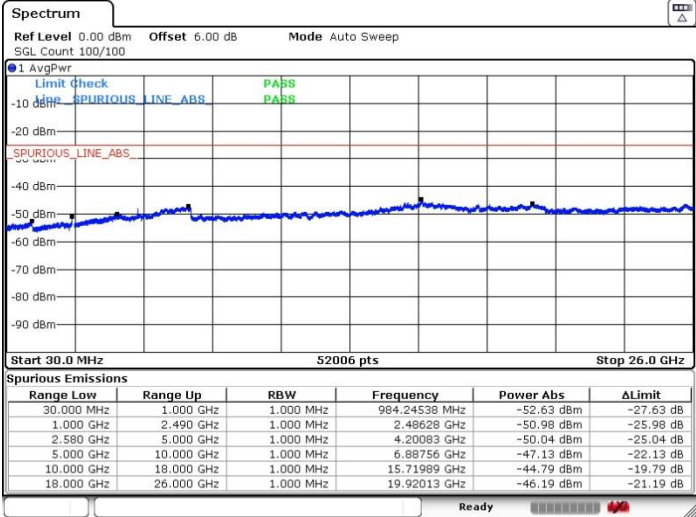




FR1 n7 / 30MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

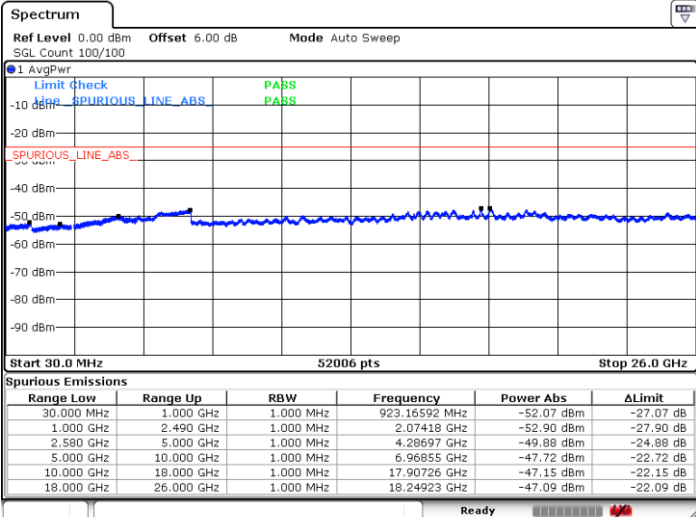
Middle Channel / 1RB1



Date: 25.NOV.2021 20:52:51

Date: 25.NOV.2021 20:51:24

Highest Channel / 1RB1



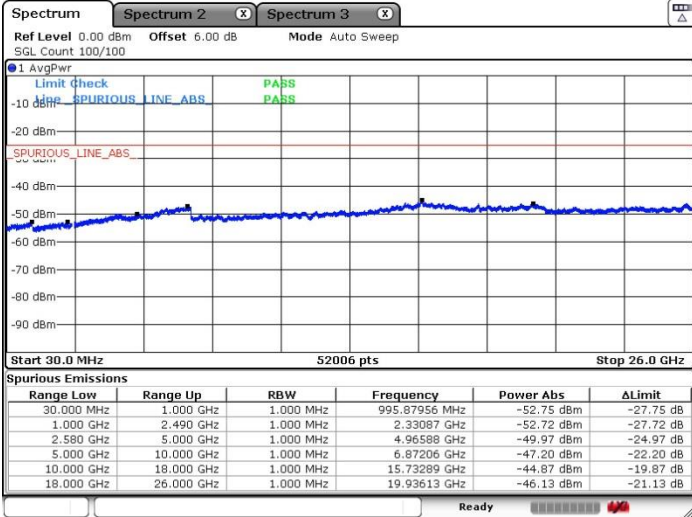
Date: 2.DEC.2021 12:41:35



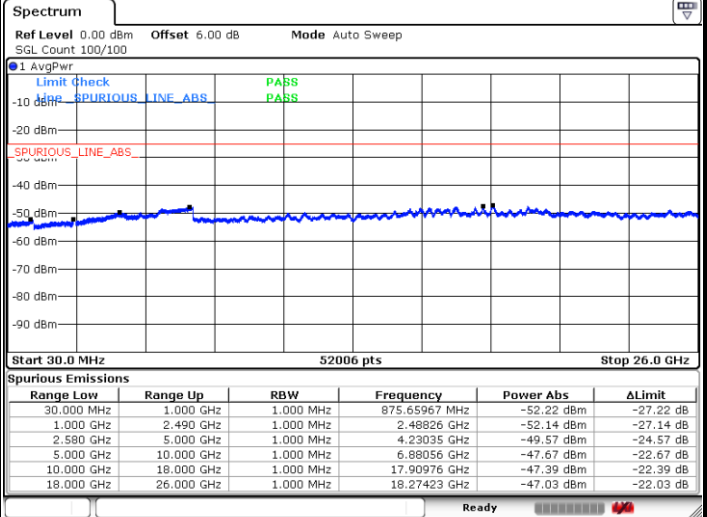
FR1 n7 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

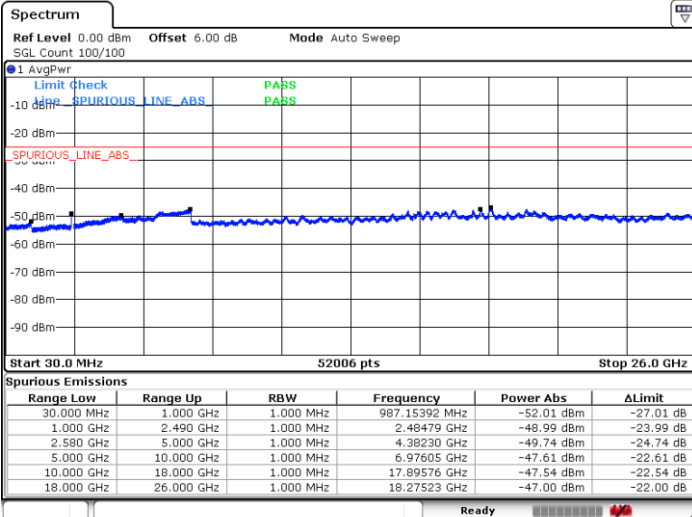


Date: 26.NOV.2021 01:39:39



Date: 2.DEC.2021 12:45:46

Highest Channel / 1RB1



Date: 2.DEC.2021 12:47:11



### Frequency Stability

Test Conditions		FR1 n7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0026	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0010	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0025	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0018	
-30	Normal Voltage	0.0028	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0015	
20	Battery End Point	0.0002	

**Note:**

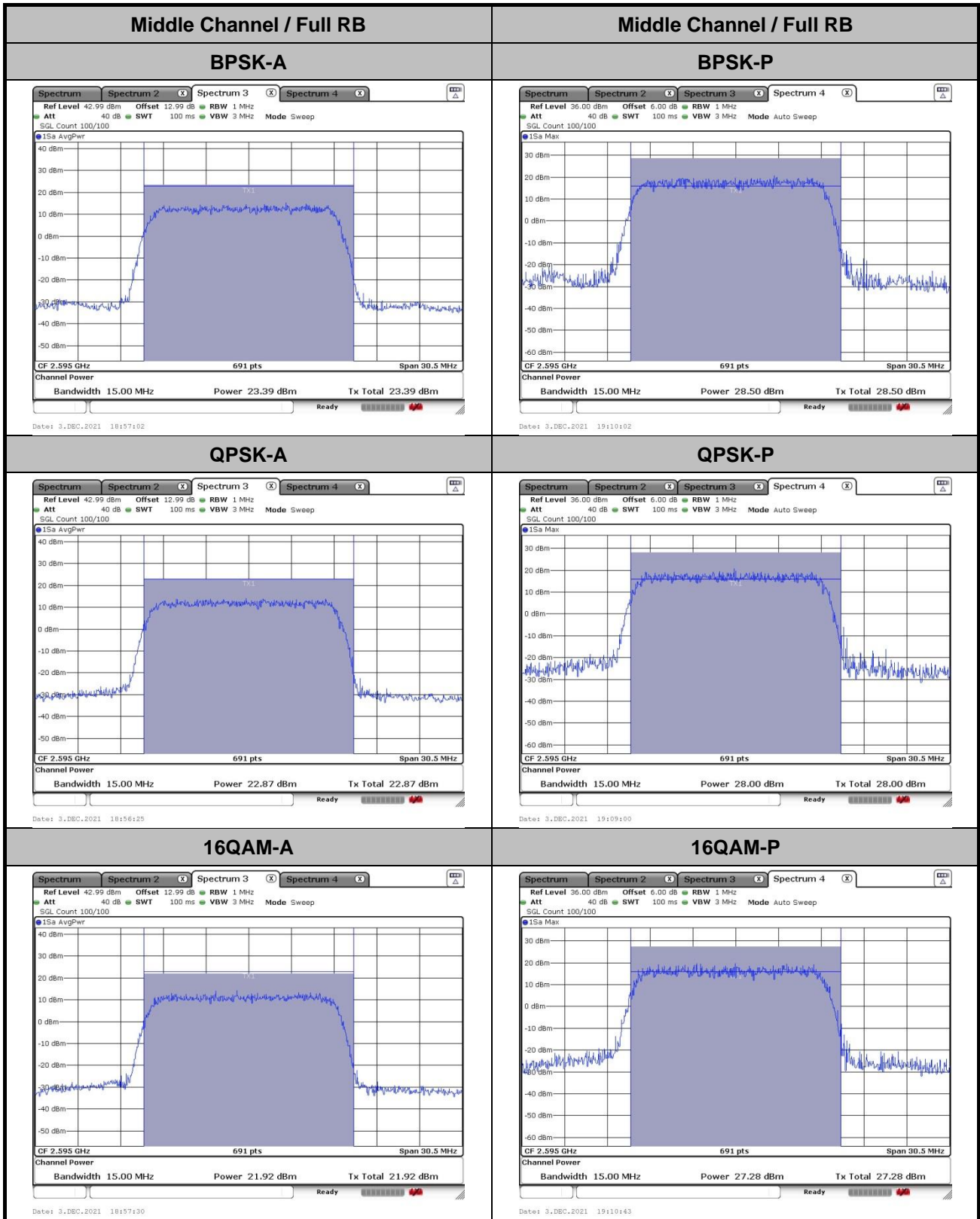
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

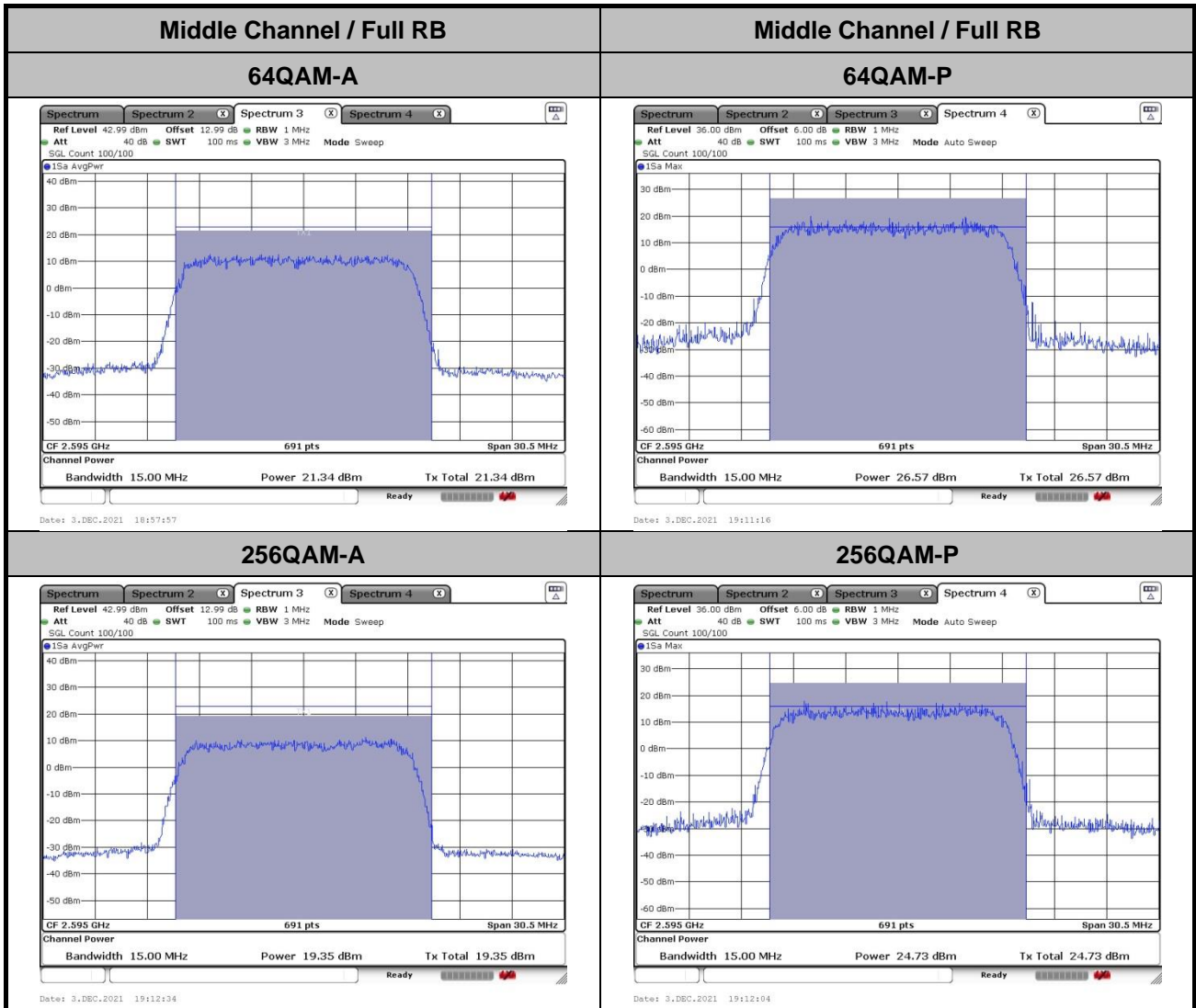


# FR1 n38

## Peak-to-Average Ratio

Mode	FR1 n38 / 15MHz / DFT-S OFDM				
Mod.	15M				Limit: 13dB
RB Size	BPSK	QPSK	16QAM	64QAM	Result
Middle CH	5.11	5.13	5.36	5.23	PASS
RB Size	256QAM				
Middle CH	5.38				

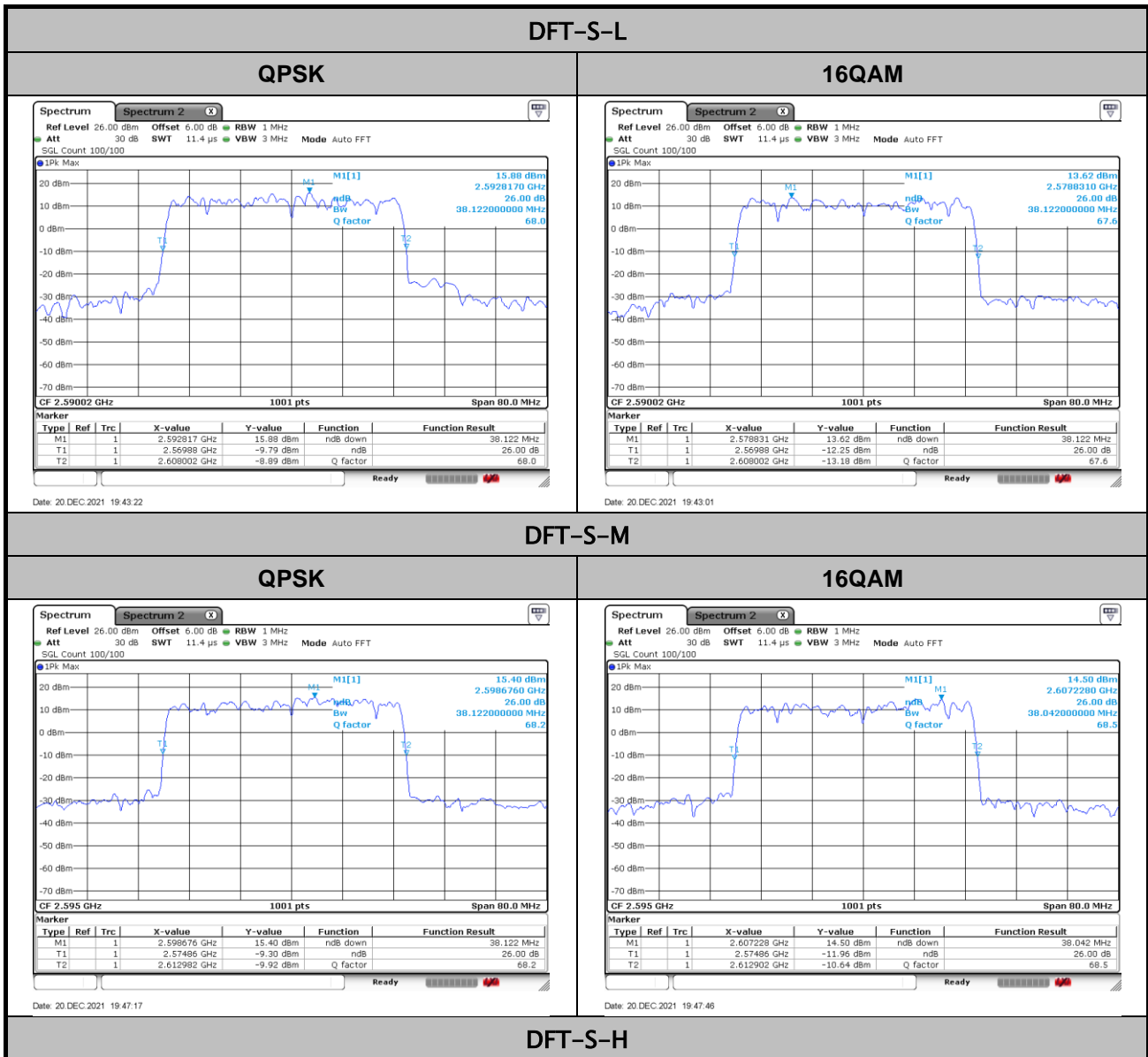


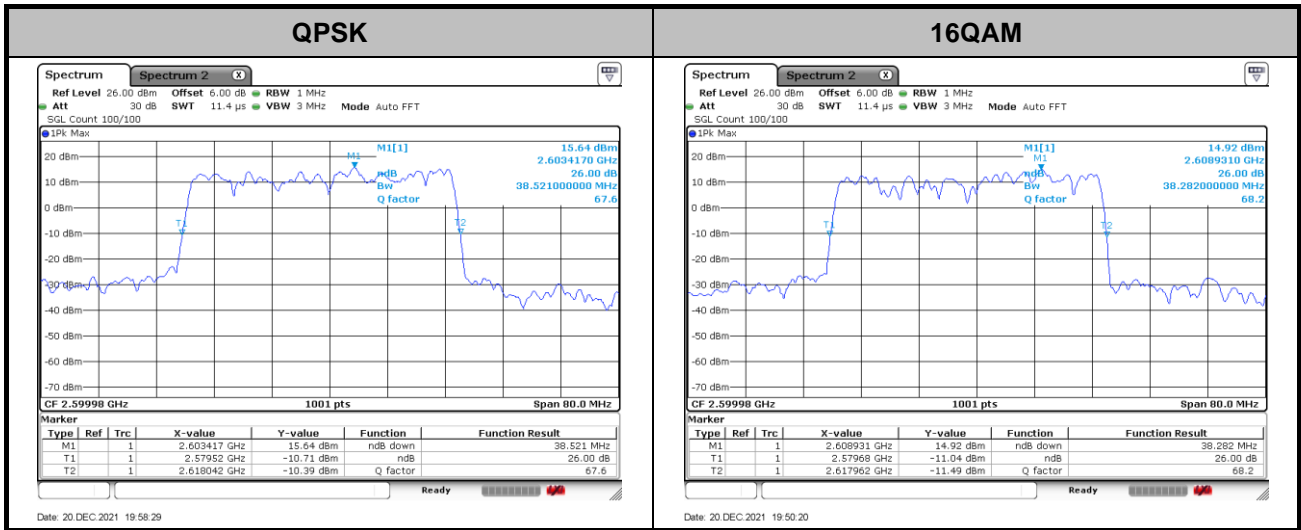




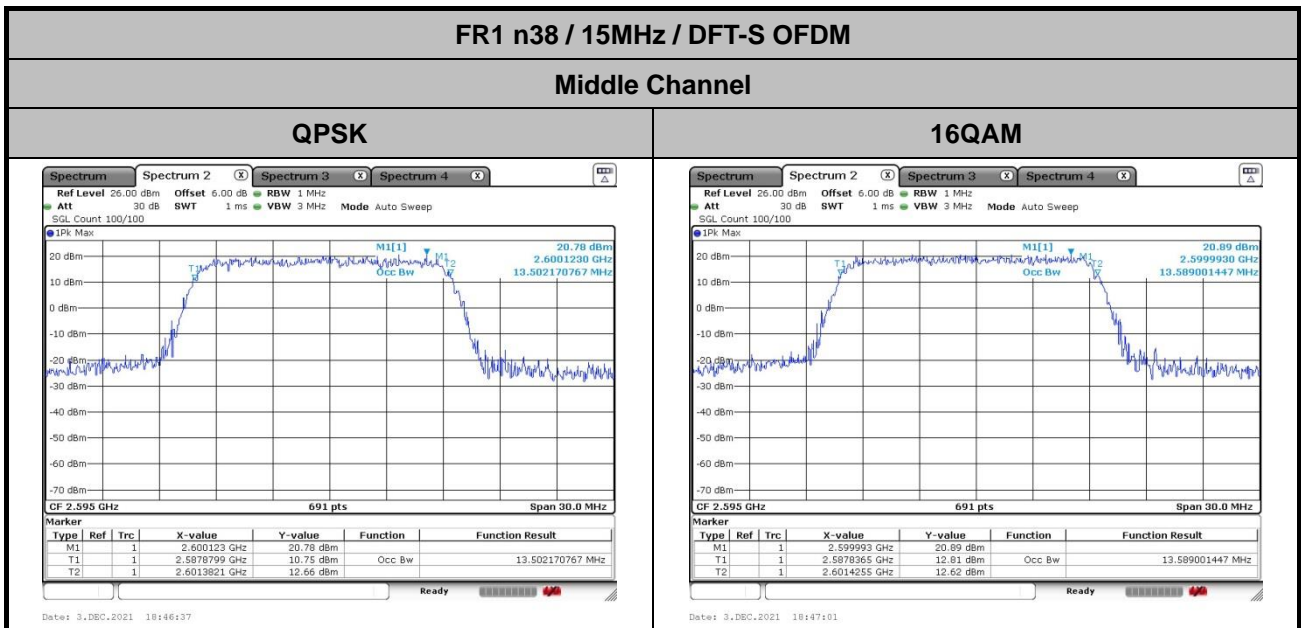
## 26dB Bandwidth

Mode	FR1 n38 : 26dB BW(40MHz) / DFT-S OFDM	
BW	DFT-S	
	QPSK	16QAM
Low	38.12	38.12
Mod.	38.12	38.04
Hig	38.52	38.28





<b>Mode</b>	<b>FR1 n38 : 26dB BW(MHz) / DFT-S OFDM</b>	
<b>BW</b>	<b>15M</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	<b>13.50</b>	<b>13.59</b>

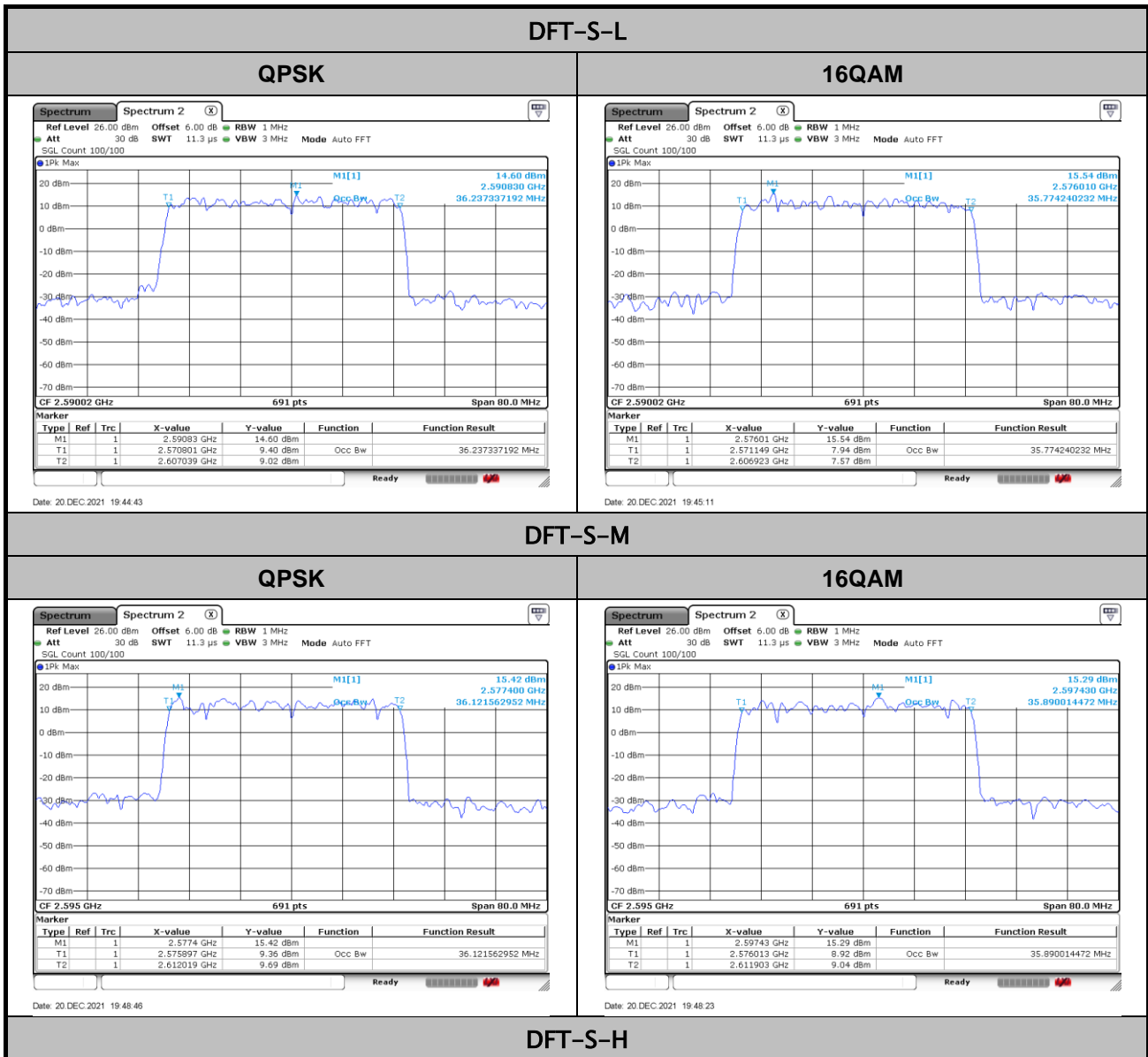


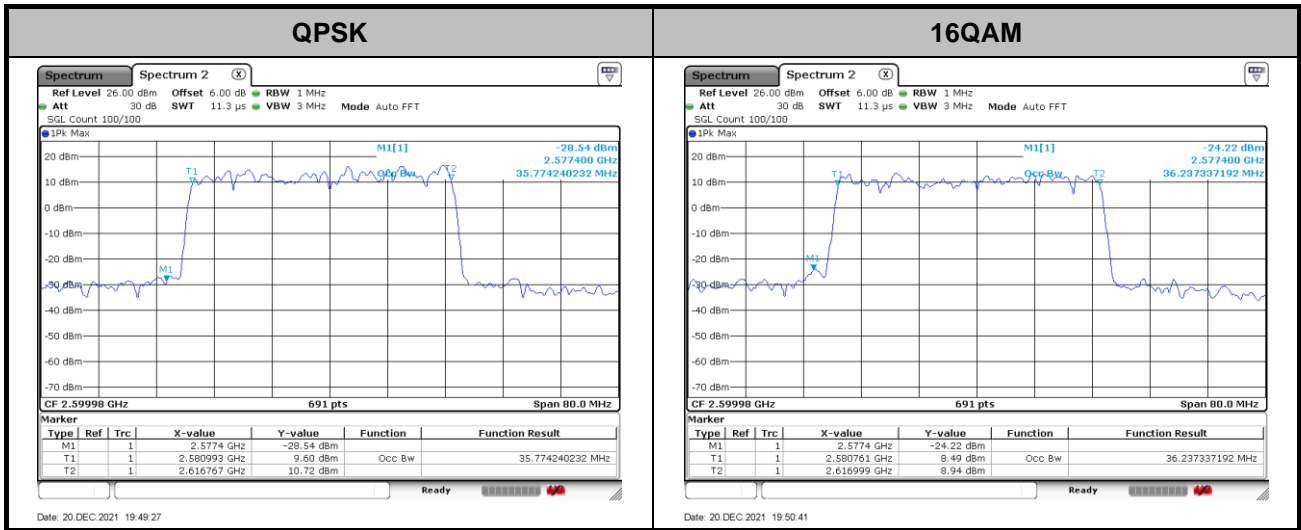




# Occupied Bandwidth

Mode	FR1 n38 : OB BW(40MHz) / DFT-S OFDM	
BW	DFT-S	
	QPSK	16QAM
Low	36.24	35.77
Mod.	36.12	35.89
Hig	35.77	36.24





<b>Mode</b>	<b>FR1 n38 : OB BW(MHz) / DFT-S OFDM</b>	
<b>BW</b>	<b>15M</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	<b>15.37</b>	<b>15.33</b>

