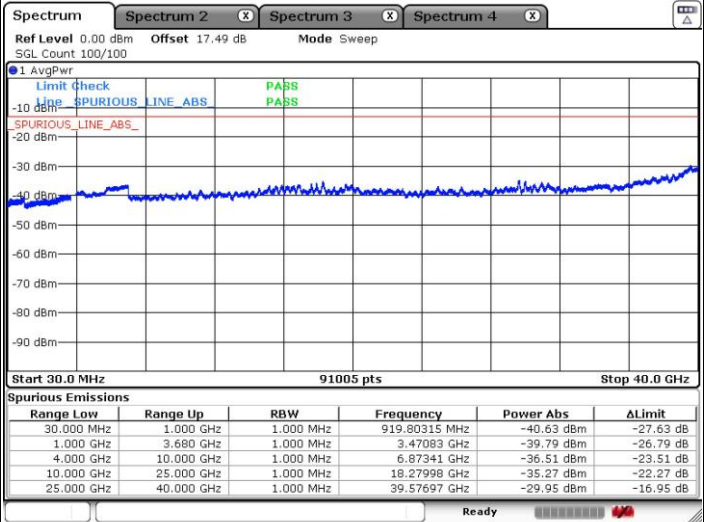
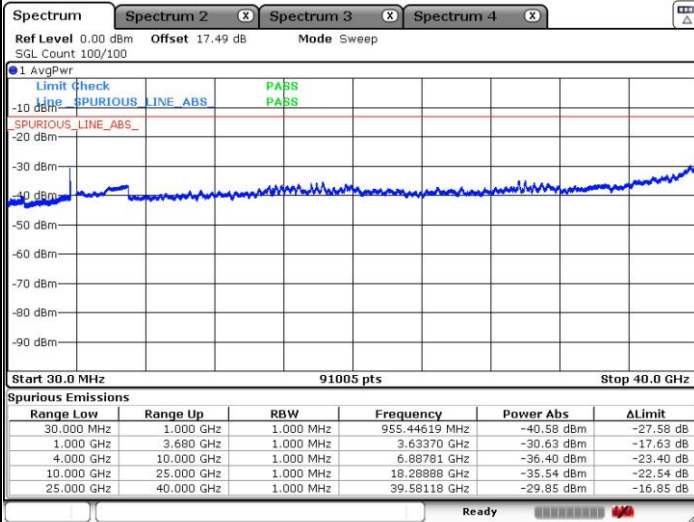




FR1 n77 / 70MHz / CP OFDM / QPSK

Lowest Channel / 1RB0

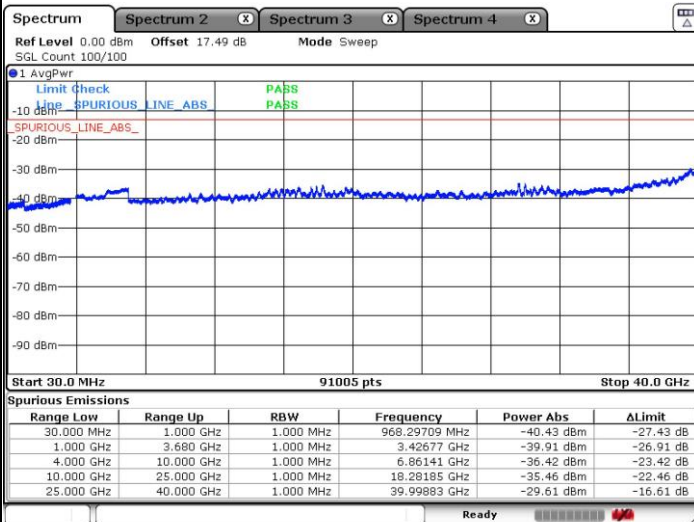
Middle Channel / 1RB0



Date: 3.DEC.2021 08:04:56

Date: 3.DEC.2021 08:01:46

Highest Channel / 1RB0



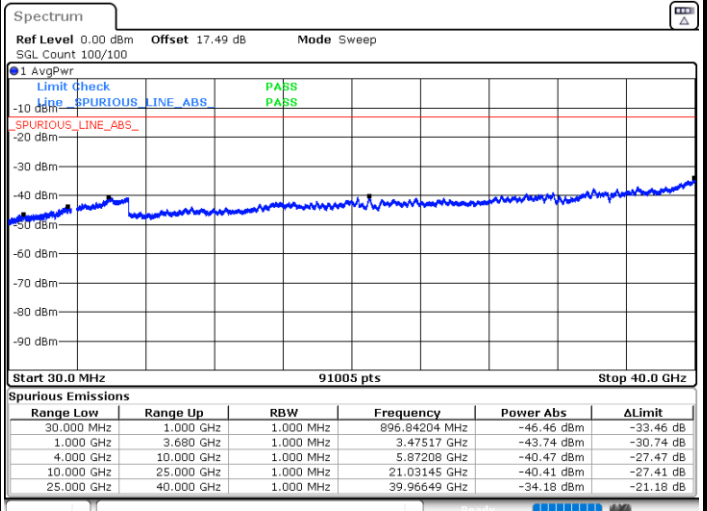
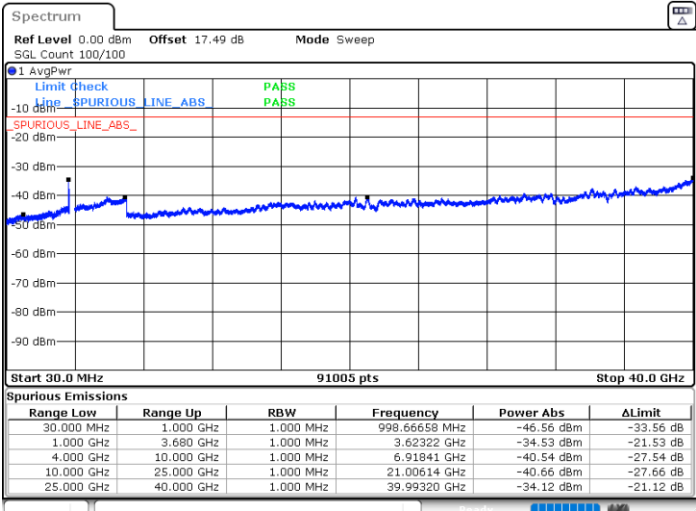
Date: 3.DEC.2021 08:28:07



FR1 n77 / 80MHz / CP OFDM / QPSK

Lowest Channel / 1RB0

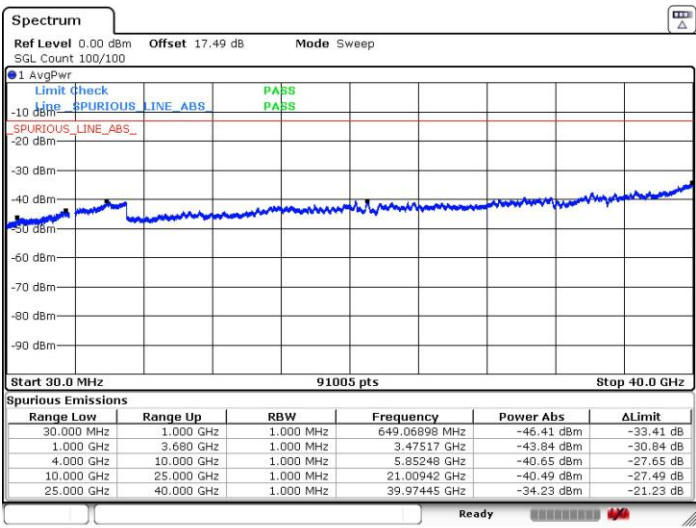
Middle Channel / 1RB0



Date: 27.NOV.2021 10:36:58

Date: 27.NOV.2021 10:34:54

Highest Channel / 1RB0



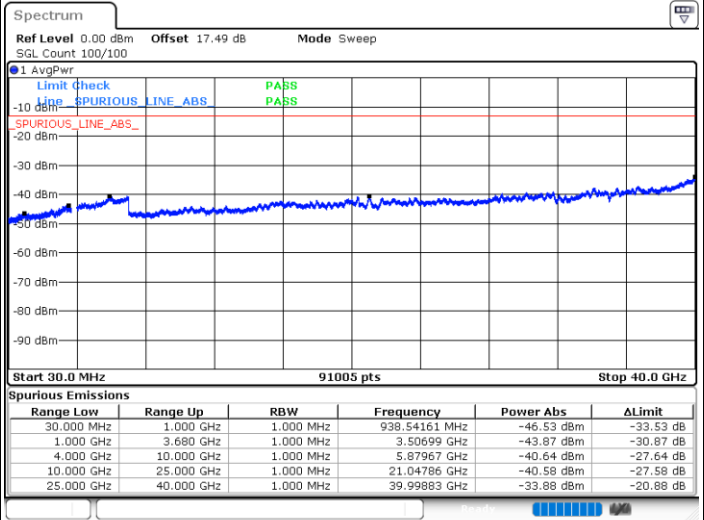
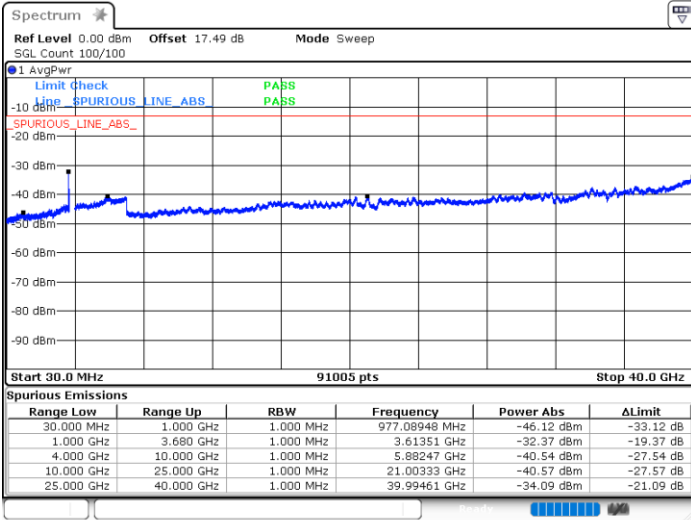
Date: 27.NOV.2021 11:06:34



FR1 n77 / 90MHz / CP OFDM / QPSK

Lowest Channel / 1RB0

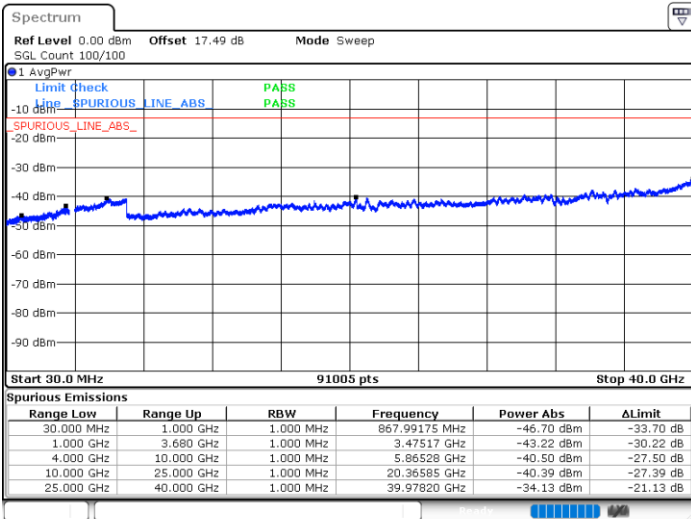
Middle Channel / 1RB0



Date: 27.NOV.2021 09:04:54

Date: 27.NOV.2021 08:45:37

Highest Channel / 1RB0



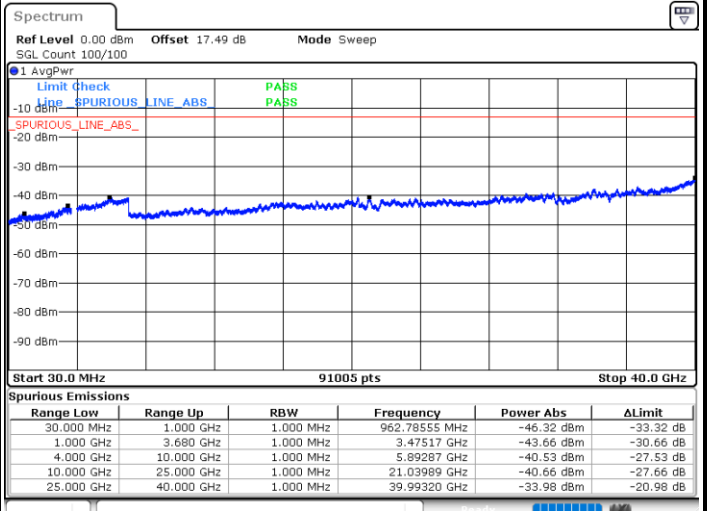
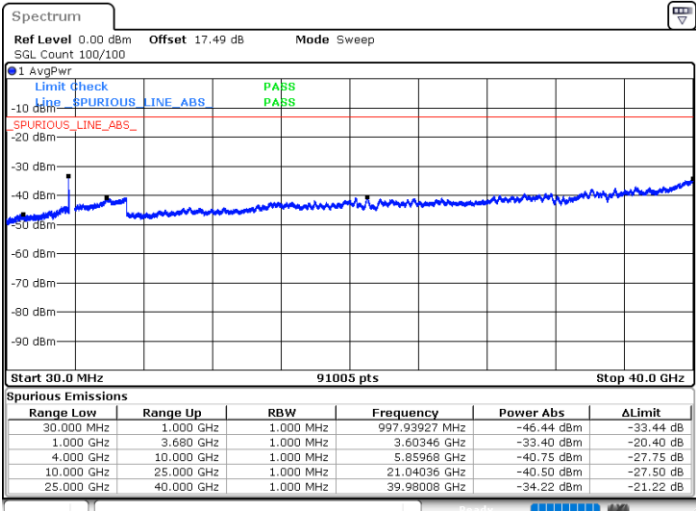
Date: 27.NOV.2021 10:13:51



FR1 n77 / 100MHz / CP OFDM / QPSK

Lowest Channel / 1RB0

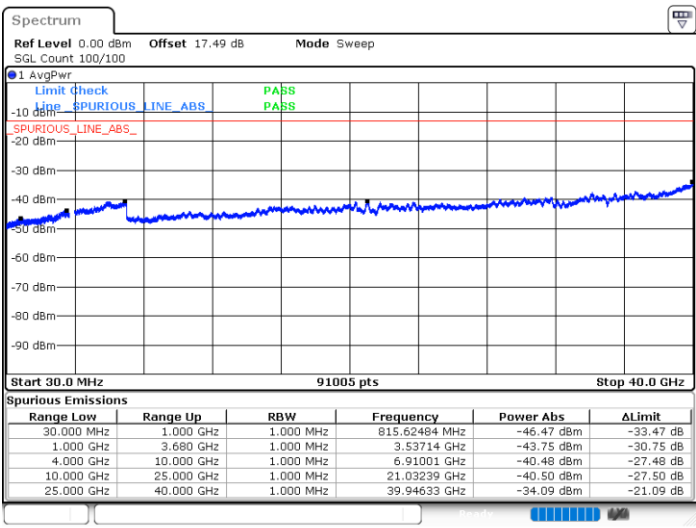
Middle Channel / 1RB0



Date: 27.NOV.2021 07:17:45

Date: 27.NOV.2021 07:13:07

Highest Channel / 1RB0



Date: 27.NOV.2021 08:23:09



Frequency Stability

Test Conditions		FR1 n77 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0010	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0029	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0001	

Note:

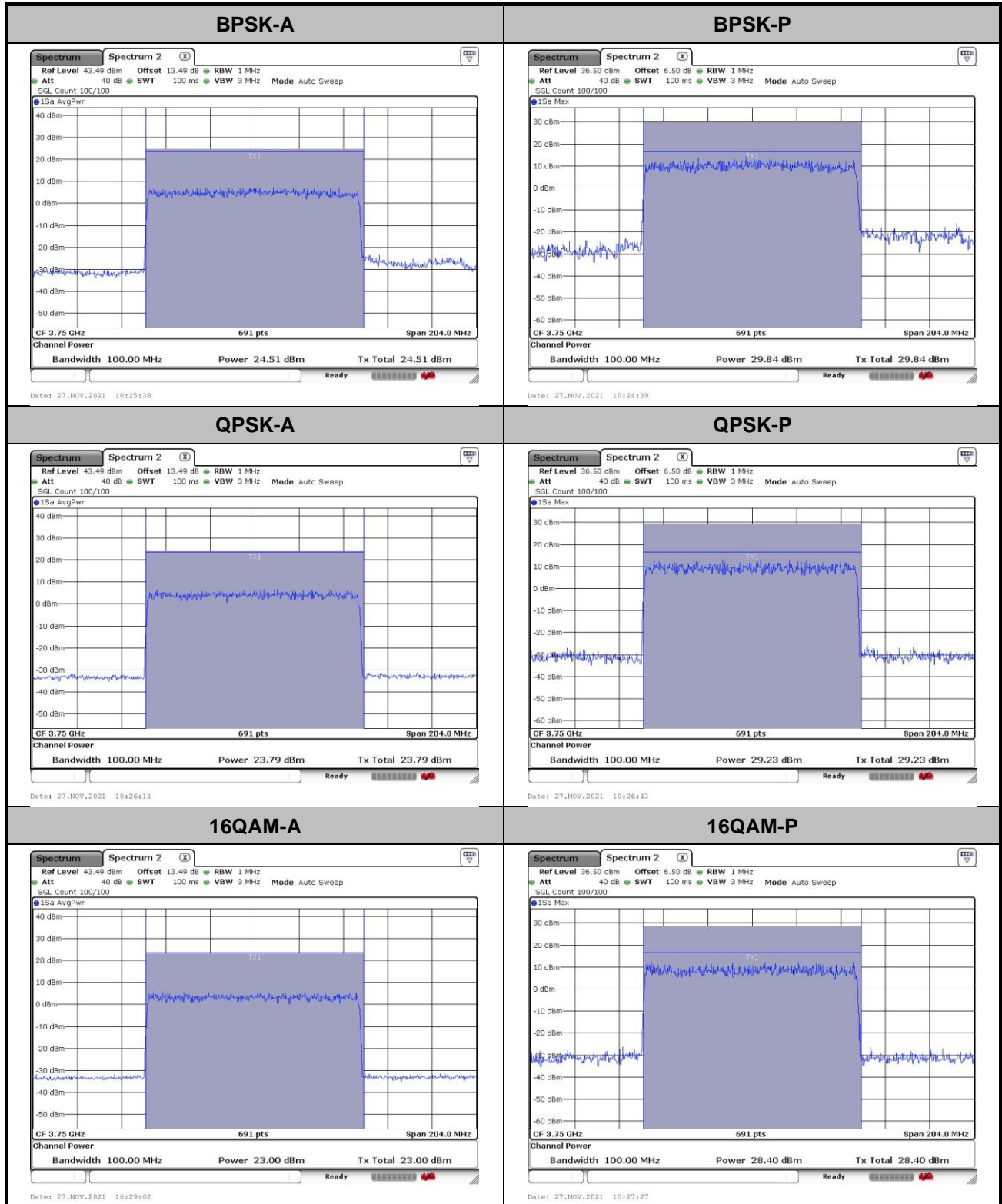
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. .Note: The frequency fundamental emissions stay within the authorized frequency block.

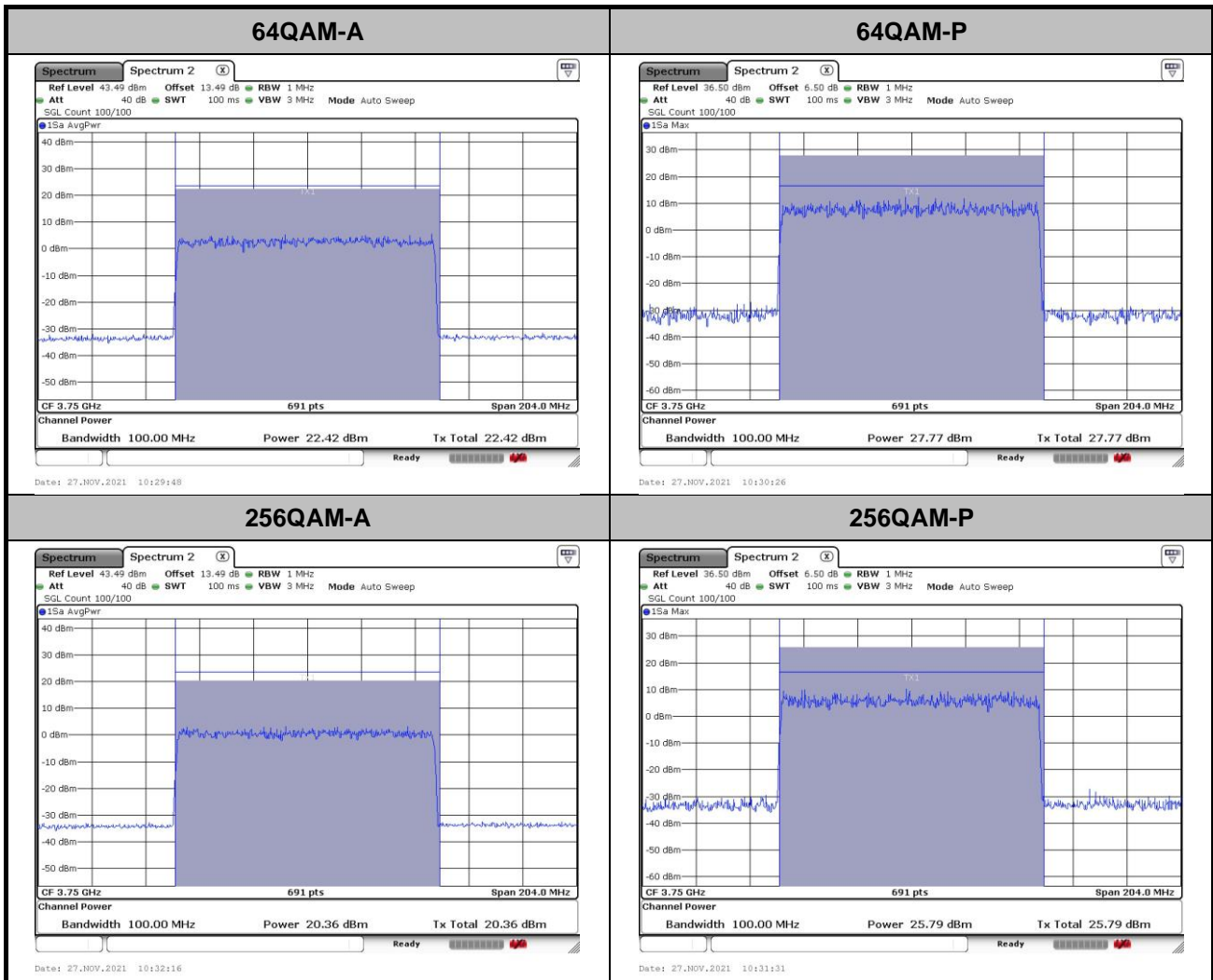


FR1 n78

Peak-to-Average Ratio

Mode	FR1 n78 / 100MHz / DFT-S OFDM				
Mod.	100M				Limit: 13dB
RB Size	BPSK	QPSK	16QAM	64QAM	Result
Middle CH	5.33	5.44	5.4	5.35	PASS
RB Size	256QAM				
Middle CH	5.43				

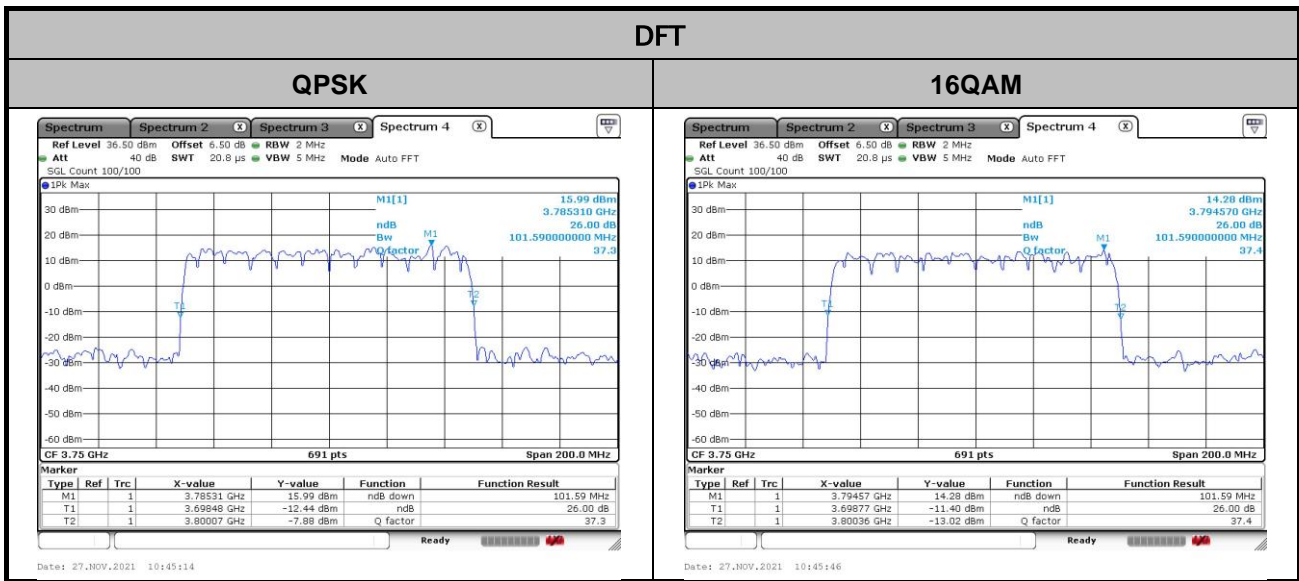






26dB Bandwidth

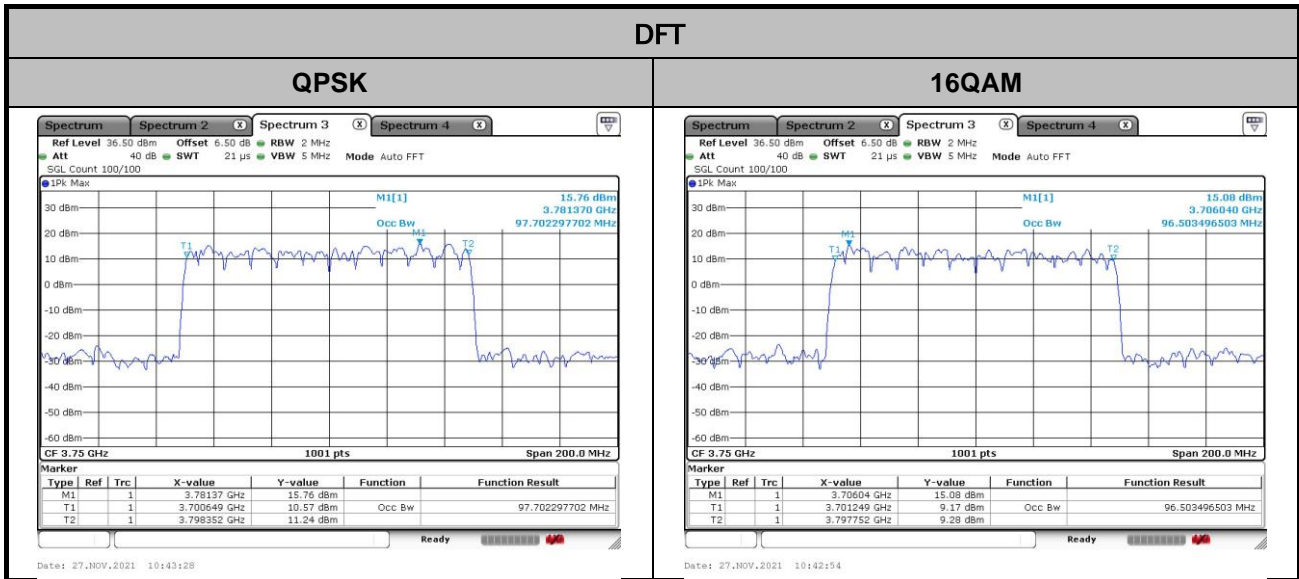
Mode	FR1 n78 : 26dB BW(MHz) / DFT-S OFDM	
BW	DFT	
Mod.	QPSK	16QAM
Middle CH	101.59	101.59





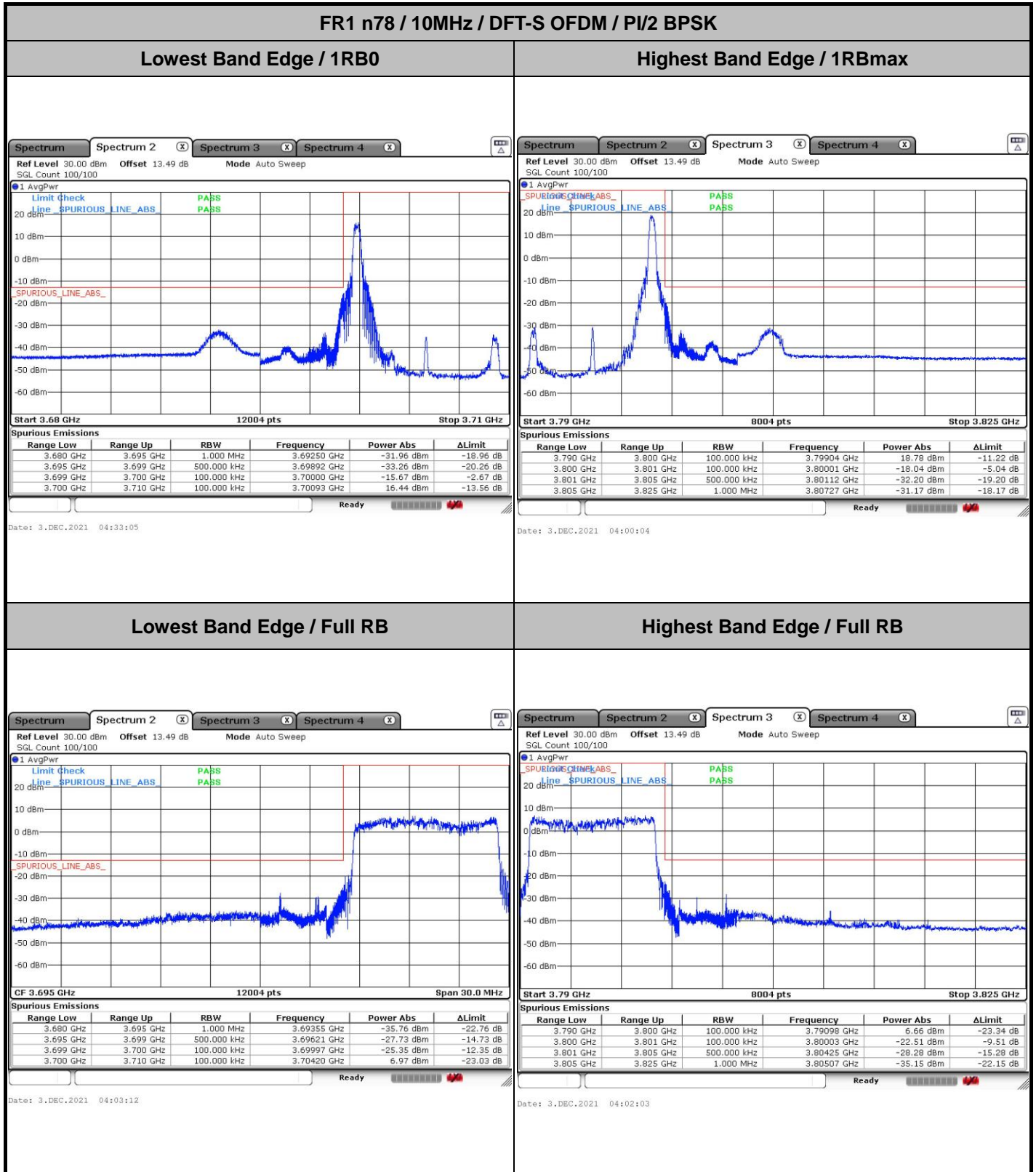
Occupied Bandwidth

Mode	FR1 n78: OB BW(MHz) / DFT-S OFDM	
BW	DFT	
Mod.	QPSK	16QAM
Middle CH	97.70	96.50





Conducted Band Edge

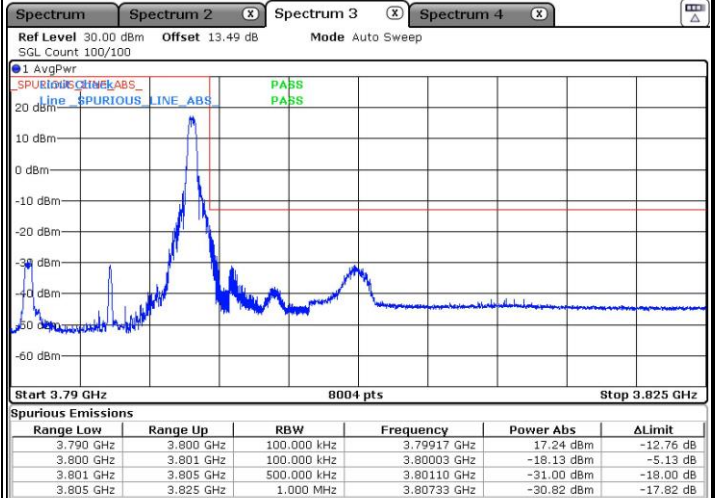
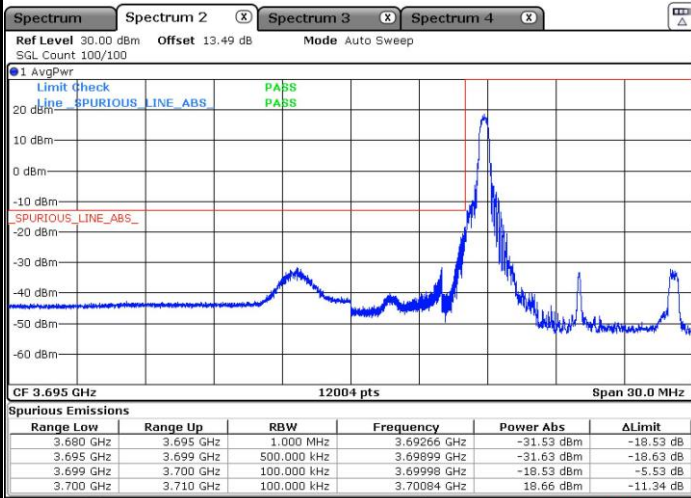




FR1 n78 / 10MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

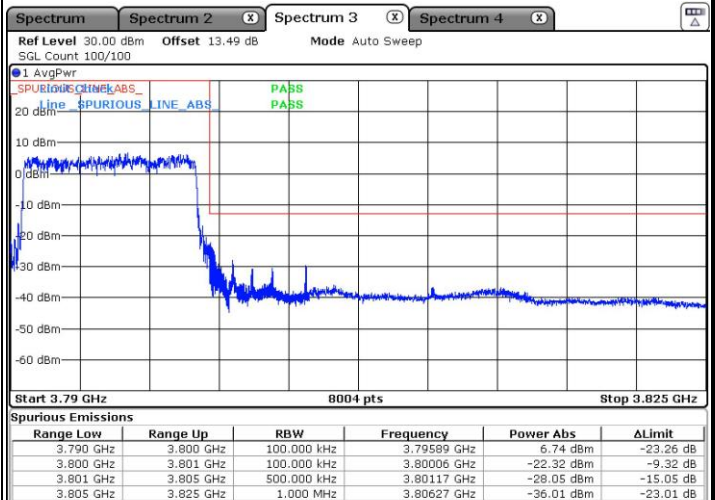
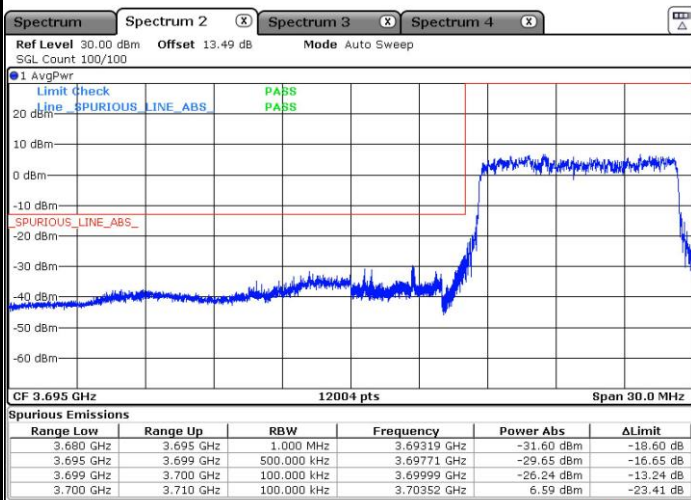


Date: 3.DEC.2021 04:06:25

Date: 3.DEC.2021 03:58:18

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 3.DEC.2021 04:03:34

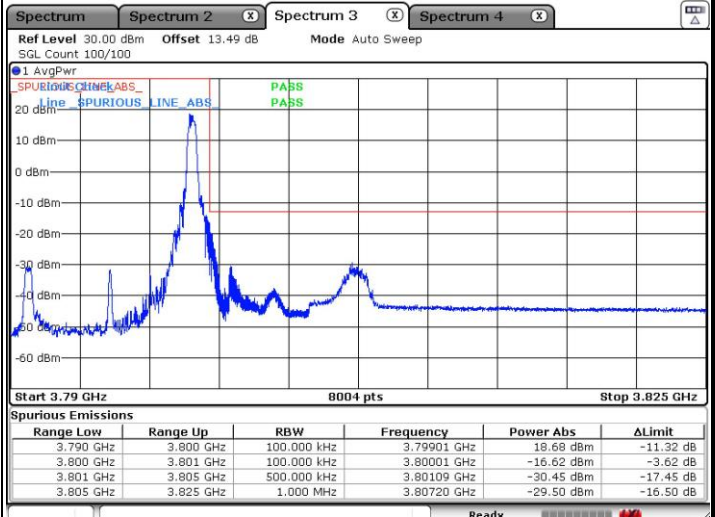
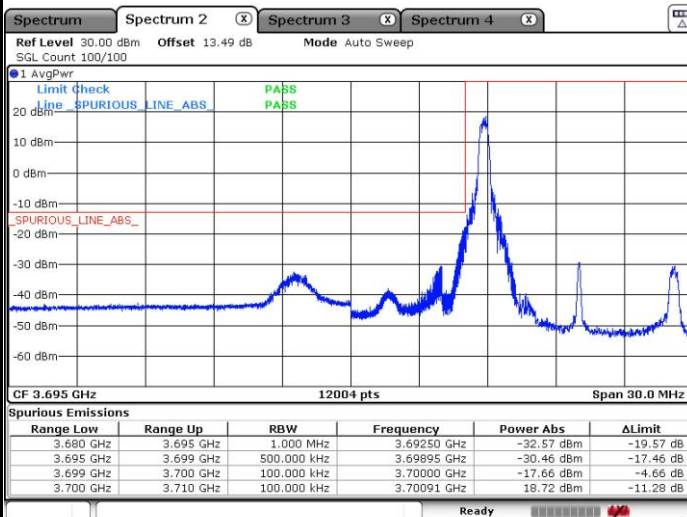
Date: 3.DEC.2021 04:01:41



FR1 n78 / 10MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

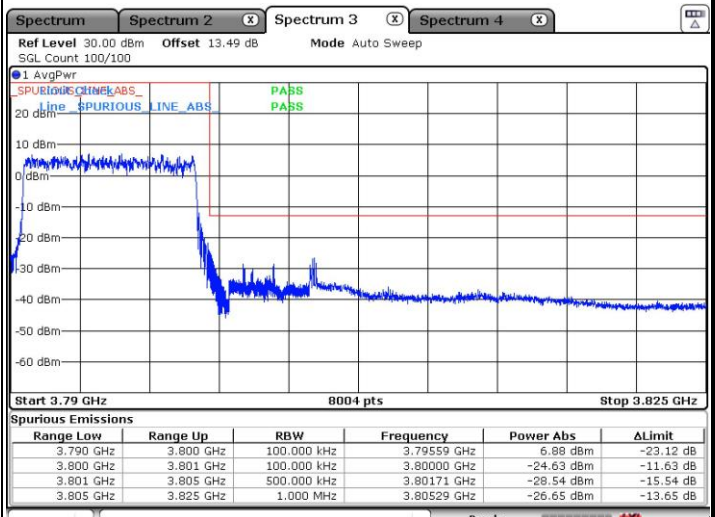
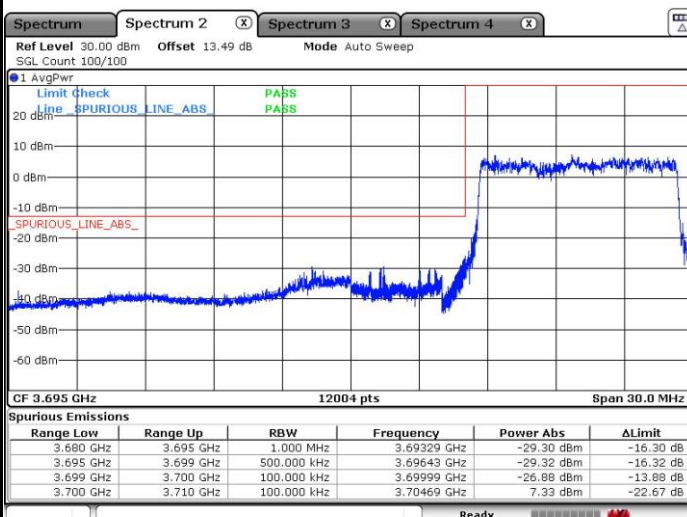


Date: 3.DEC.2021 04:06:03

Date: 3.DEC.2021 03:58:35

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 3.DEC.2021 04:03:53

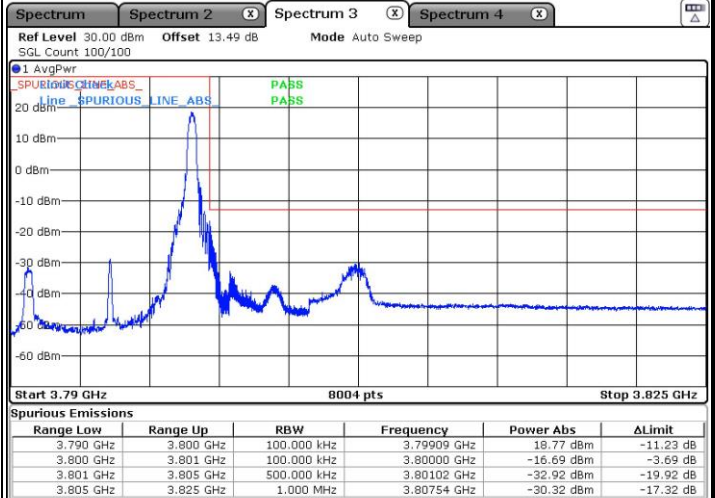
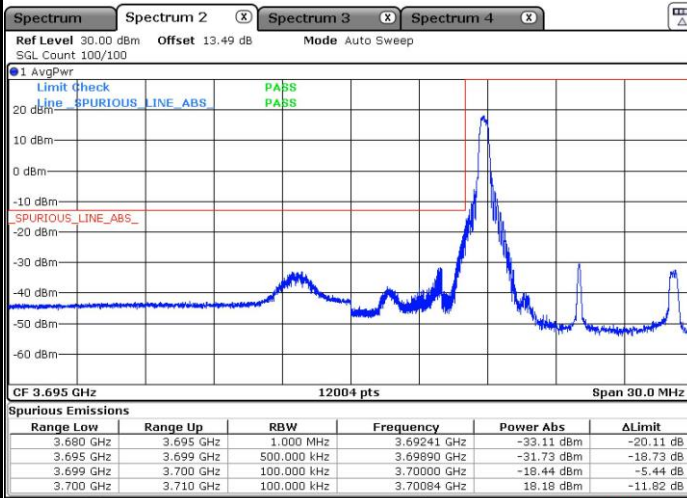
Date: 3.DEC.2021 04:01:25



FR1 n78 / 10MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RB24

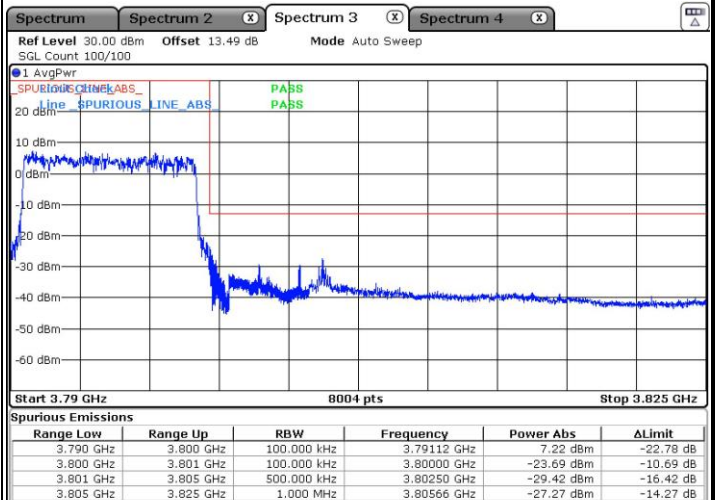
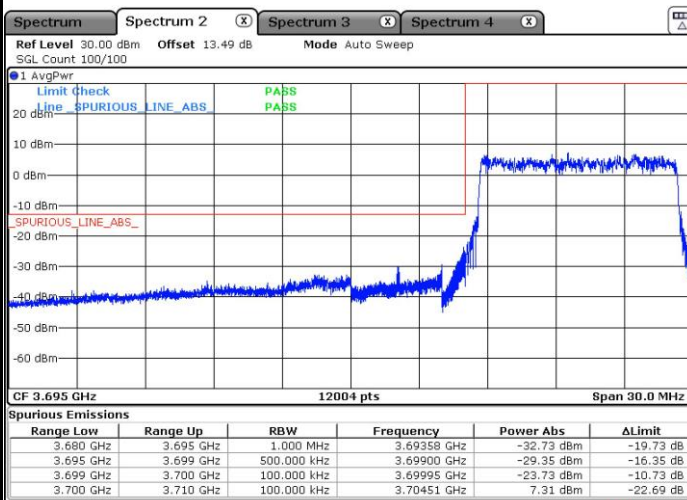


Date: 3.DEC.2021 04:05:40

Date: 3.DEC.2021 03:59:36

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 3.DEC.2021 04:04:28

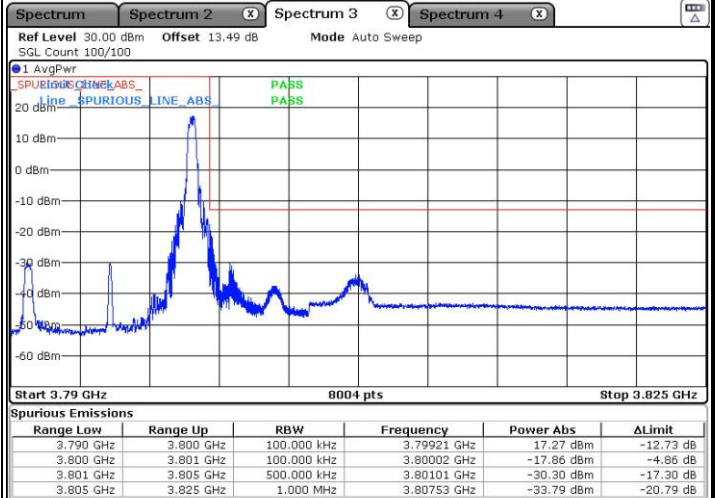
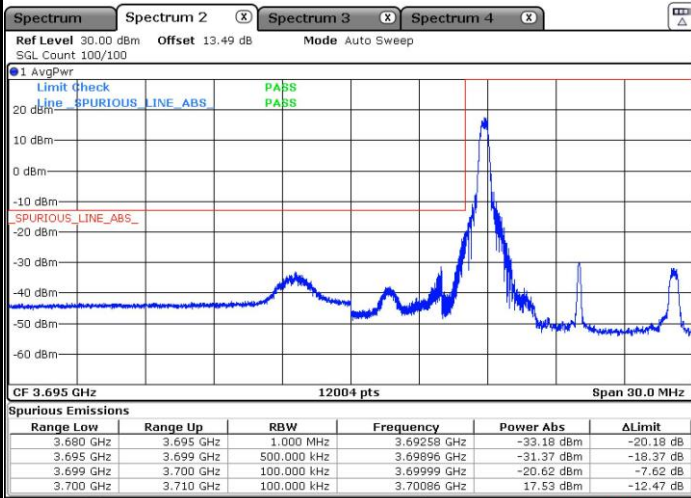
Date: 3.DEC.2021 04:01:08



FR1 n78 / 10MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RB24

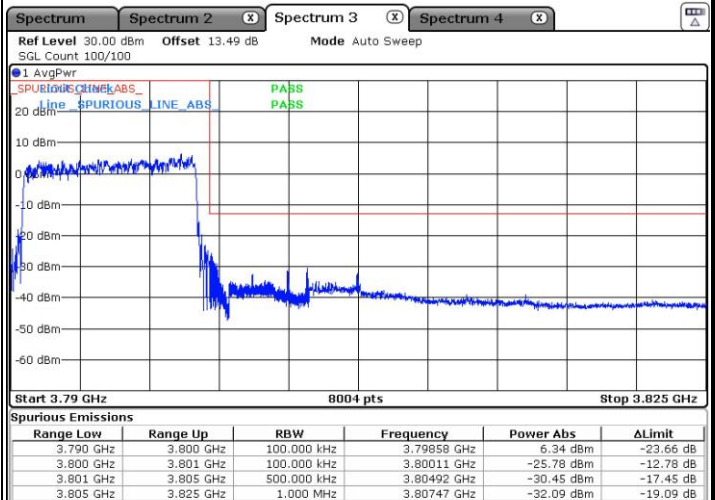
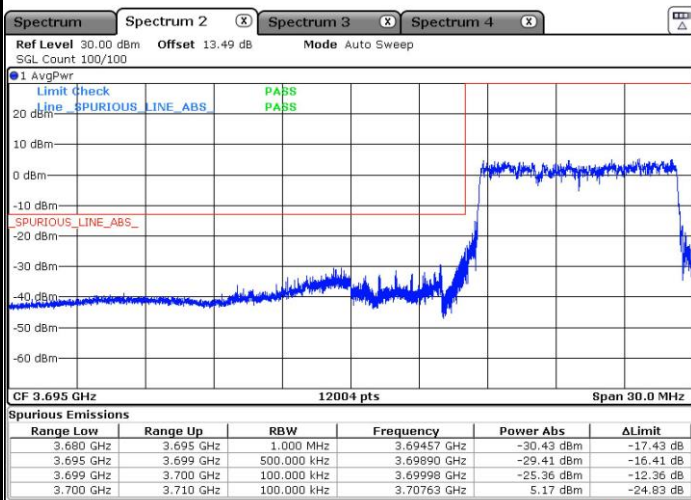


Date: 3.DEC.2021 04:05:12

Date: 3.DEC.2021 04:00:27

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 3.DEC.2021 04:04:51

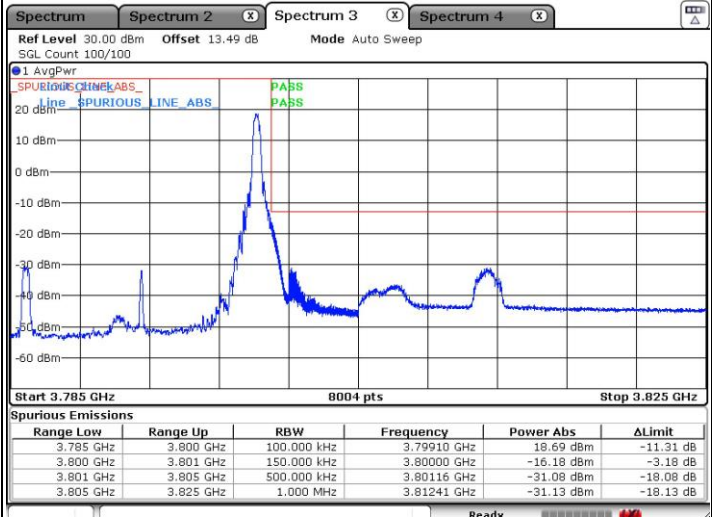
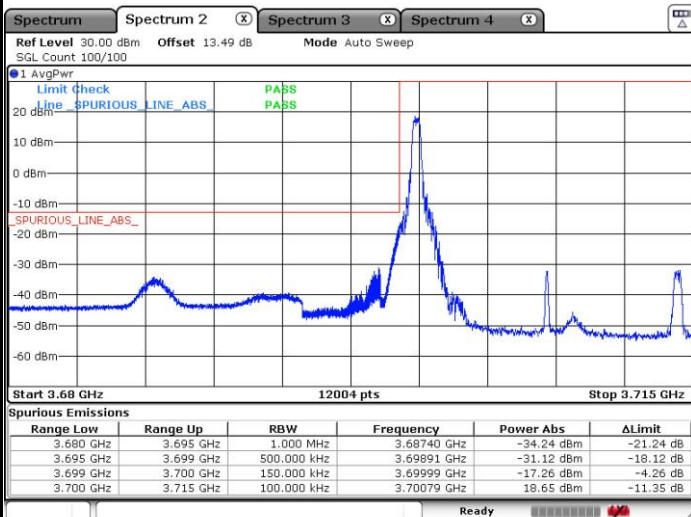
Date: 3.DEC.2021 04:00:49



FR1 n78 / 15MHz / DFT-S OFDM / PI/2 BPSK

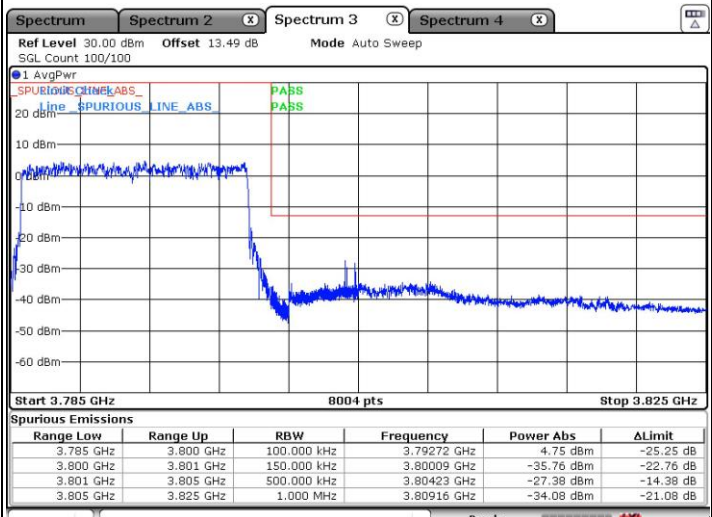
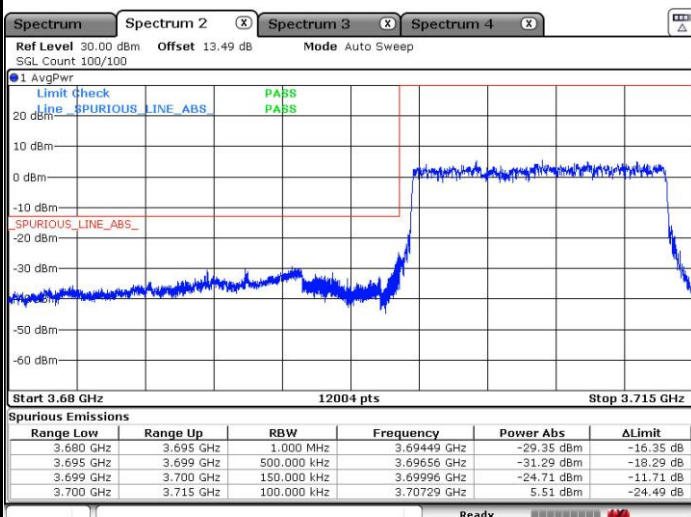
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

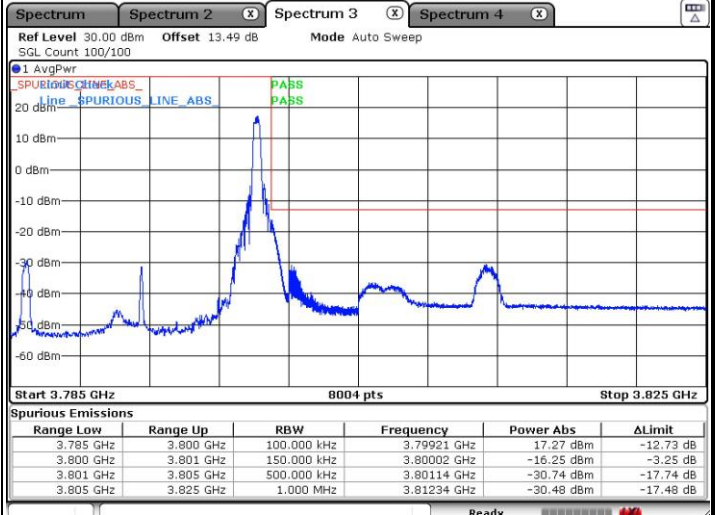
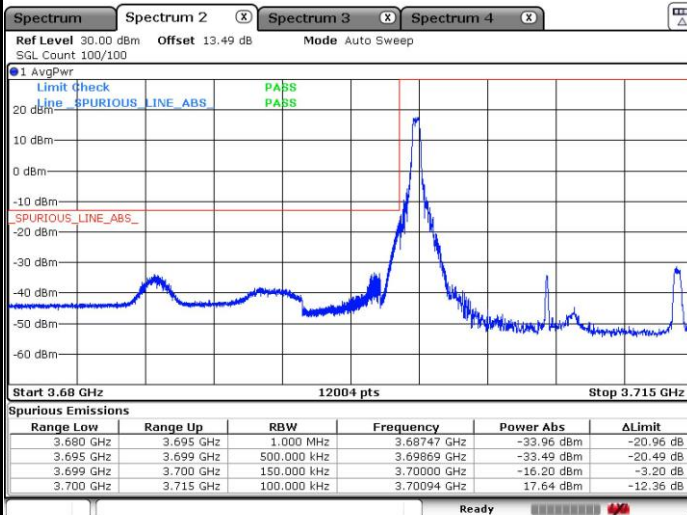




FR1 n78 / 15MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

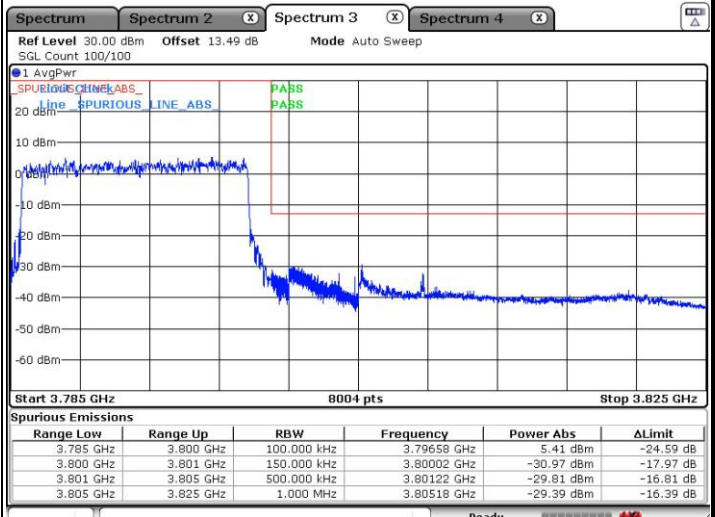
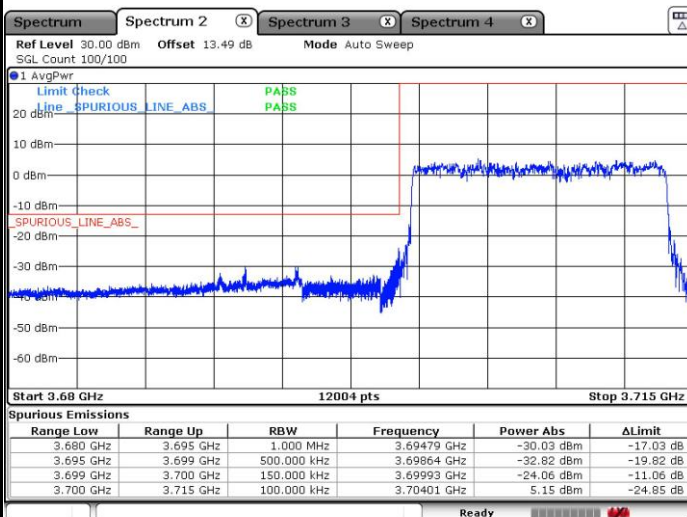


Date: 3.DEC.2021 04:11:49

Date: 3.DEC.2021 04:16:04

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 3.DEC.2021 04:08:42

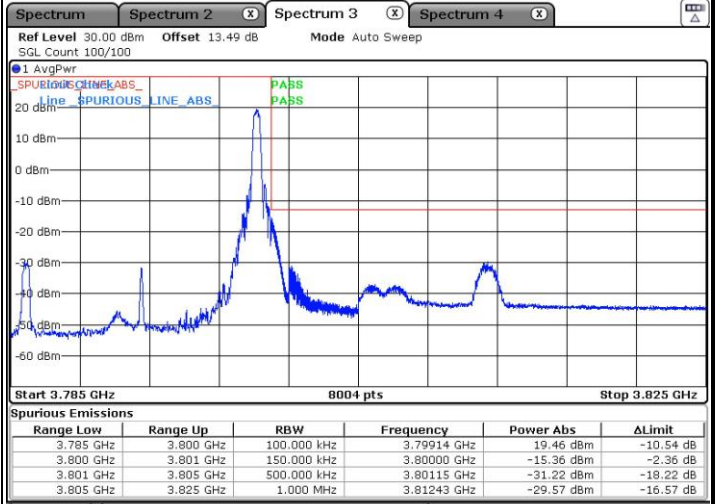
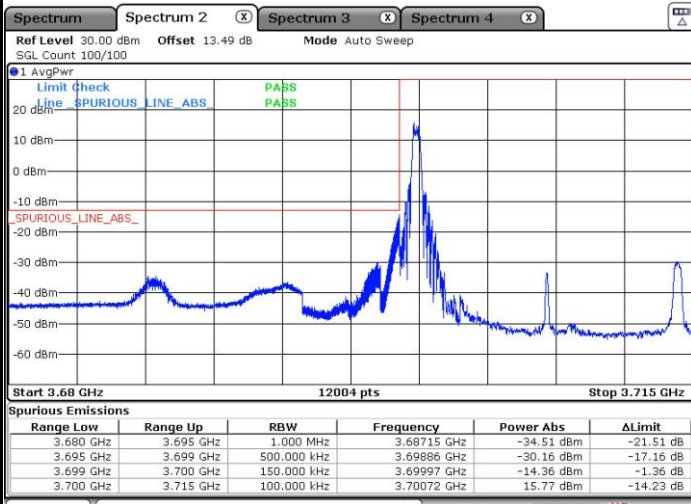
Date: 3.DEC.2021 04:21:10



FR1 n78 / 15MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

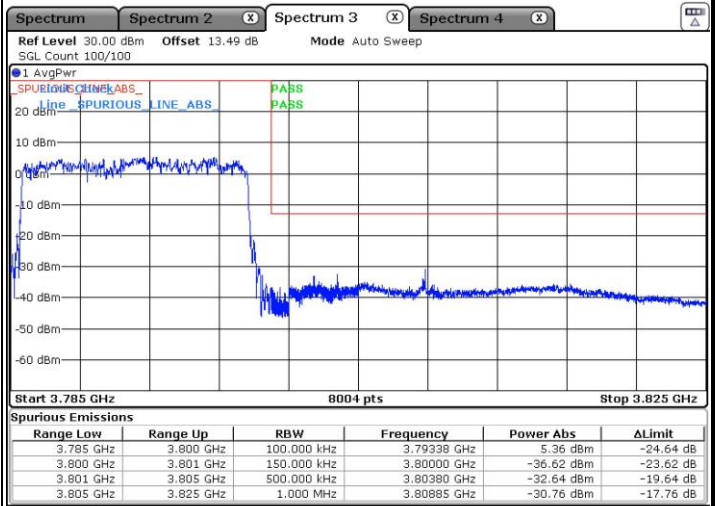
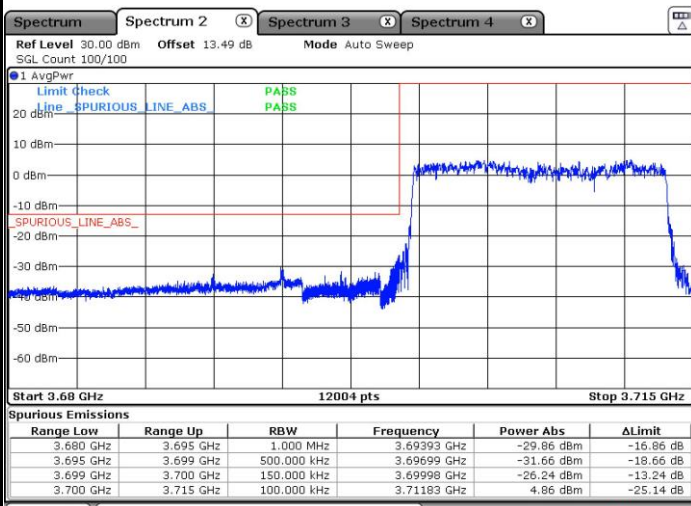


Date: 3.DEC.2021 04:11:08

Date: 3.DEC.2021 04:17:00

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 3.DEC.2021 04:08:08

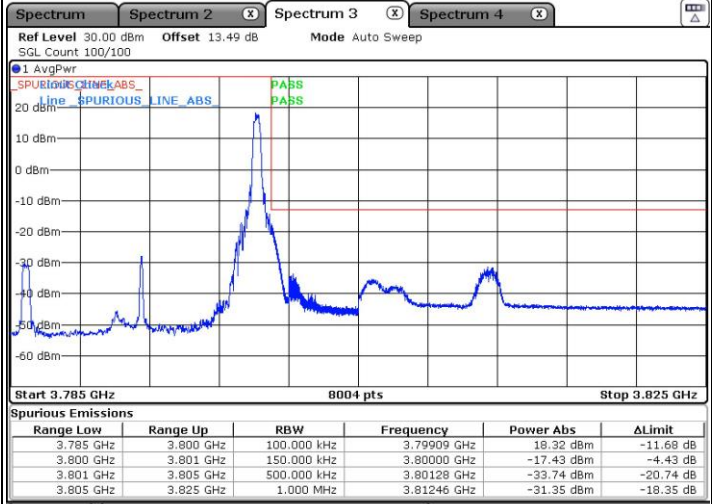
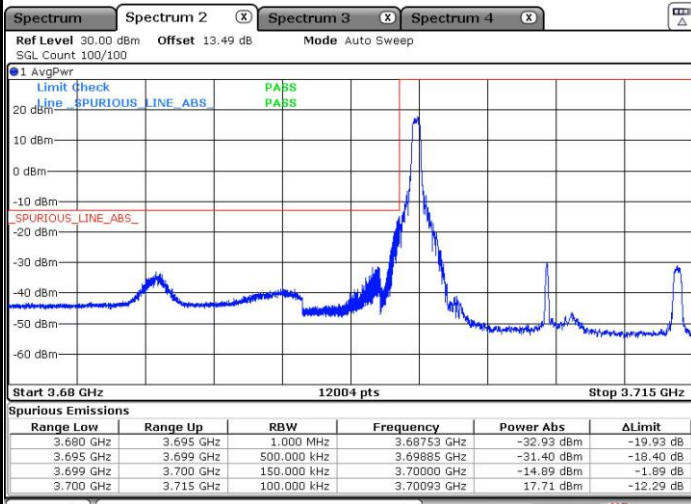
Date: 3.DEC.2021 04:20:49



FR1 n78 / 15MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RB24

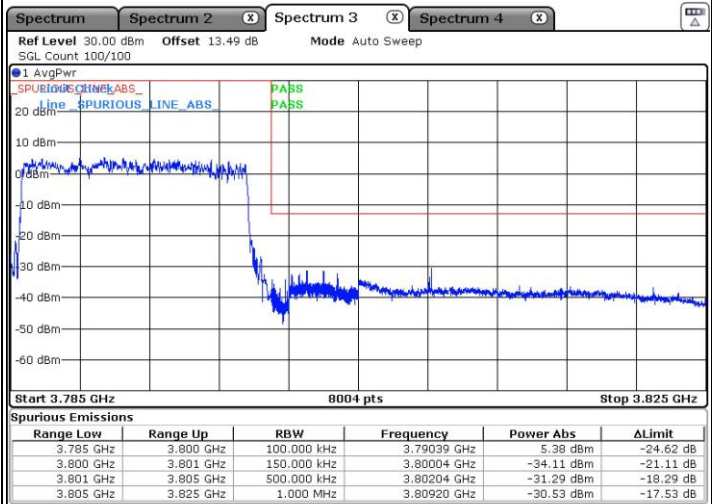
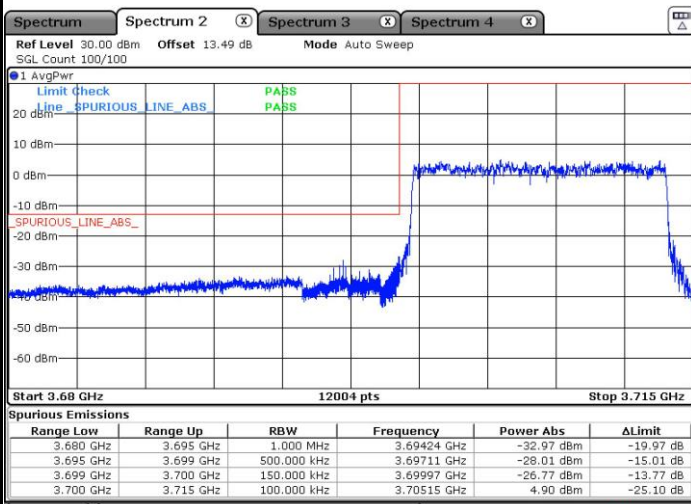


Date: 3.DEC.2021 04:10:14

Date: 3.DEC.2021 04:17:49

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 3.DEC.2021 04:09:08

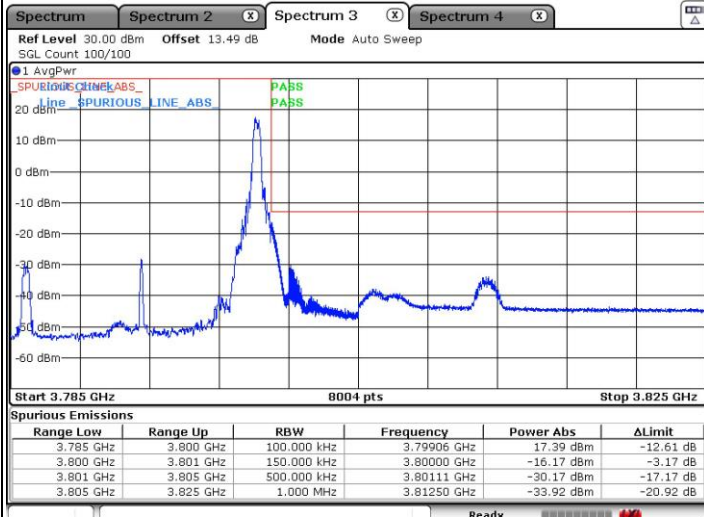
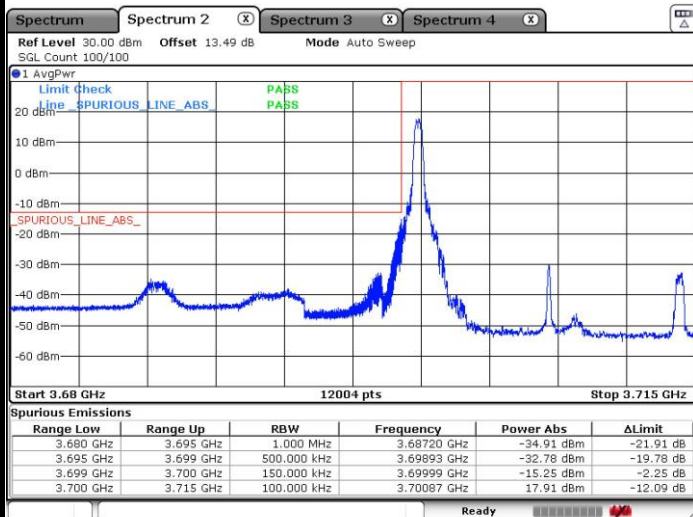
Date: 3.DEC.2021 04:20:22



FR1 n78 / 15MHz / DFT-S OFDM / 256Q

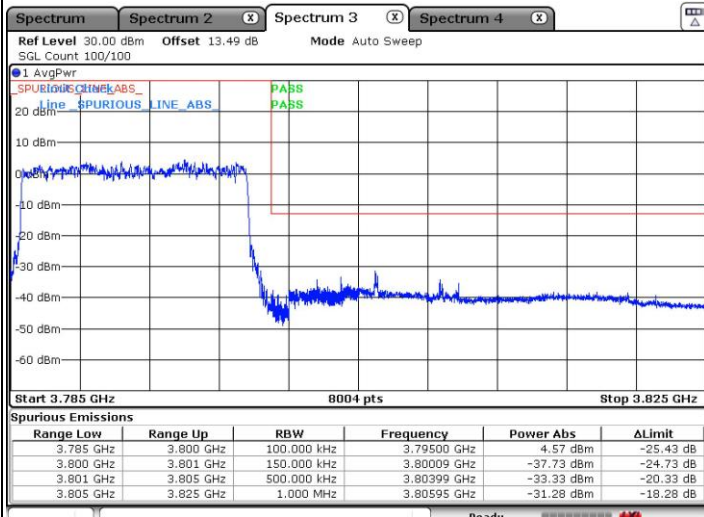
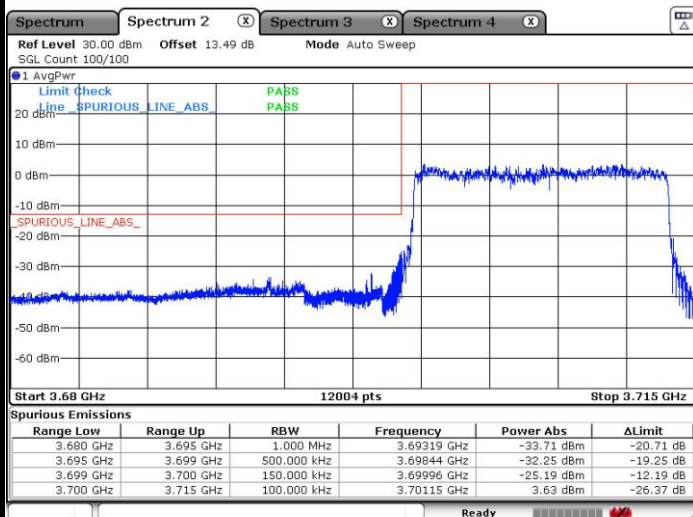
Lowest Band Edge / 1RB0

Highest Band Edge / 1RB24



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

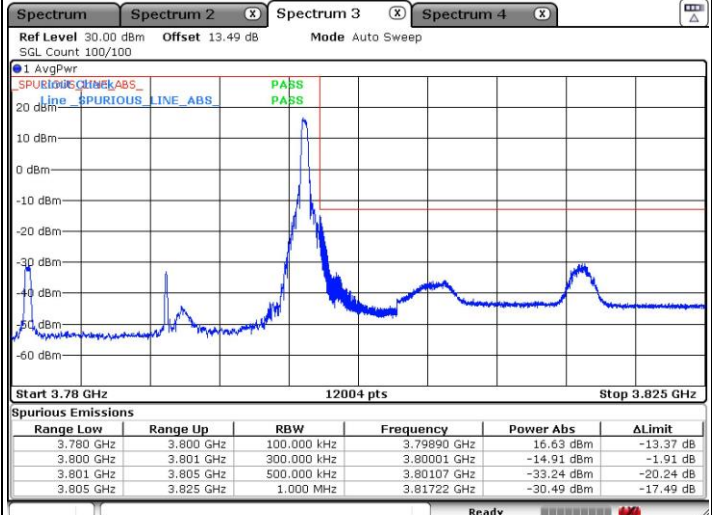
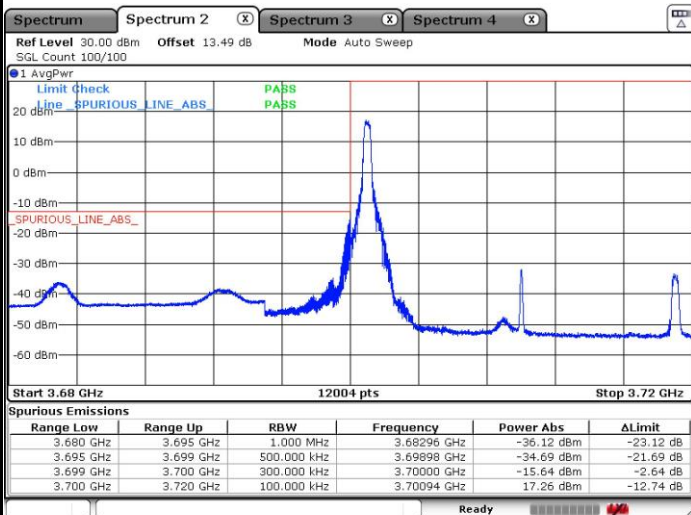




FR1 n78 / 20MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

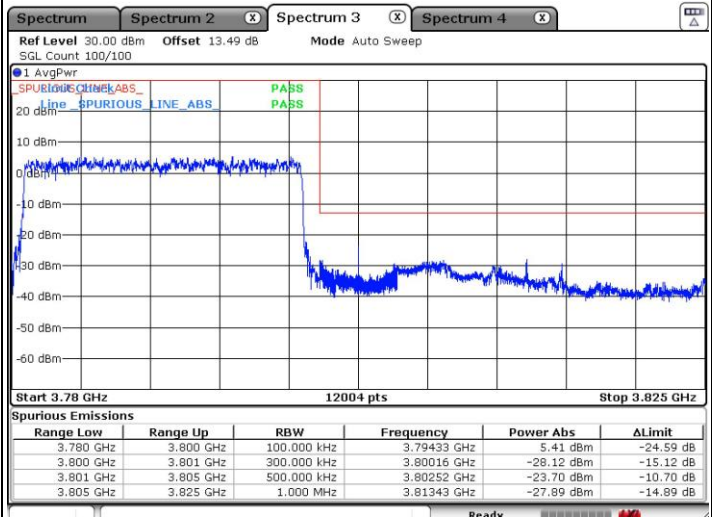
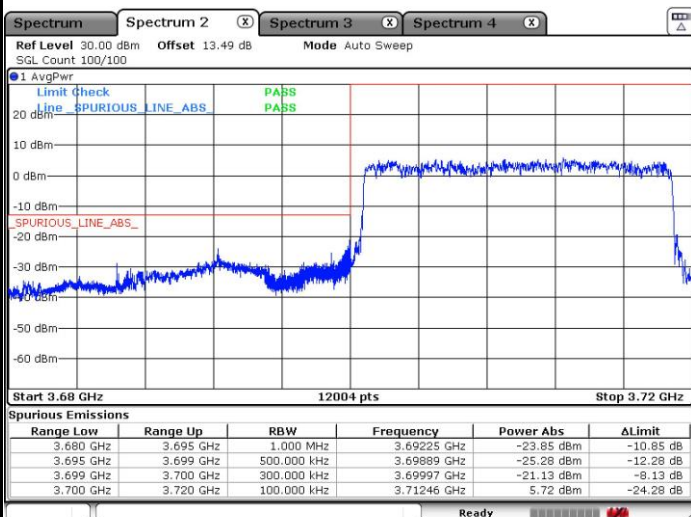


Date: 28.NOV.2021 08:24:24

Date: 28.NOV.2021 09:01:13

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28.NOV.2021 08:30:07

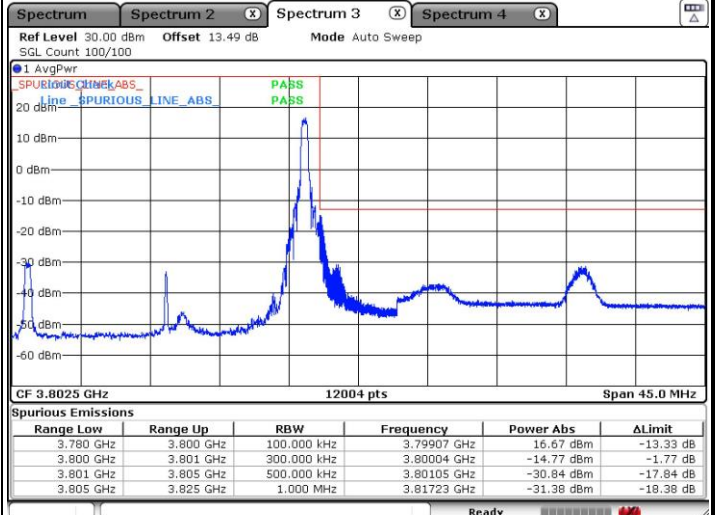
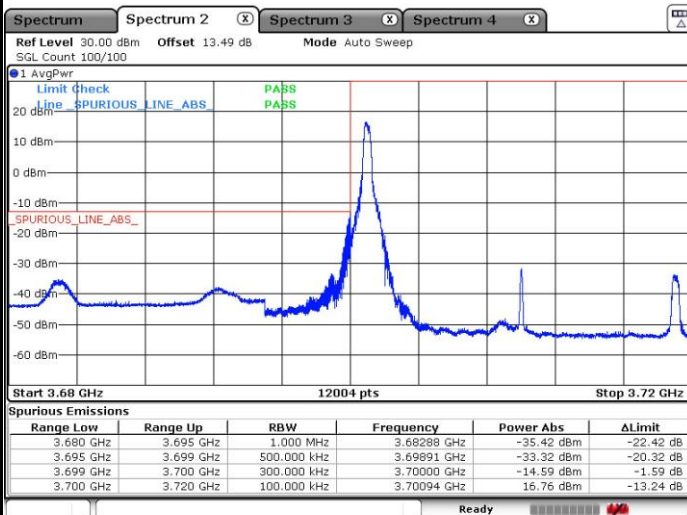
Date: 28.NOV.2021 09:00:38



FR1 n78 / 20MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

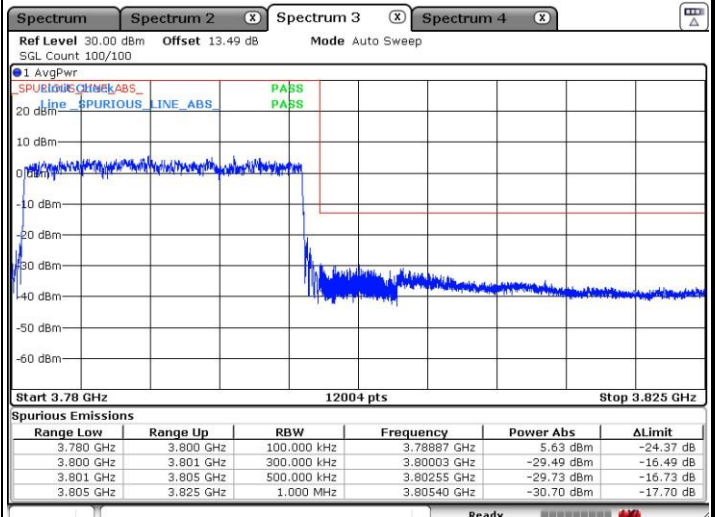
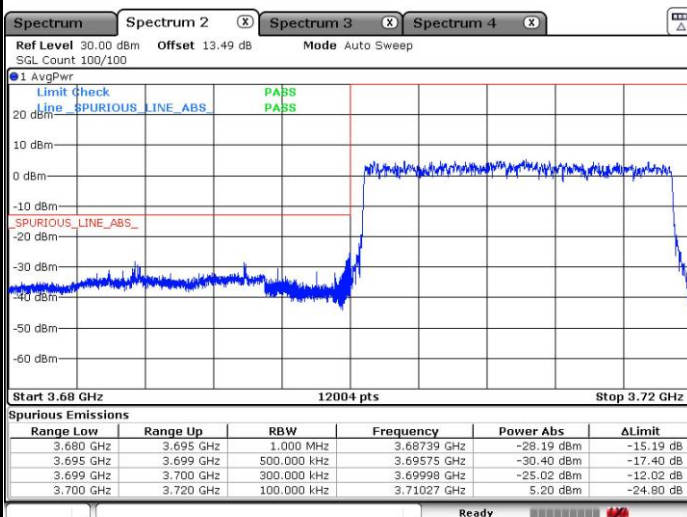


Date: 28.NOV.2021 08:24:52

Date: 28.NOV.2021 08:39:54

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28.NOV.2021 08:29:26

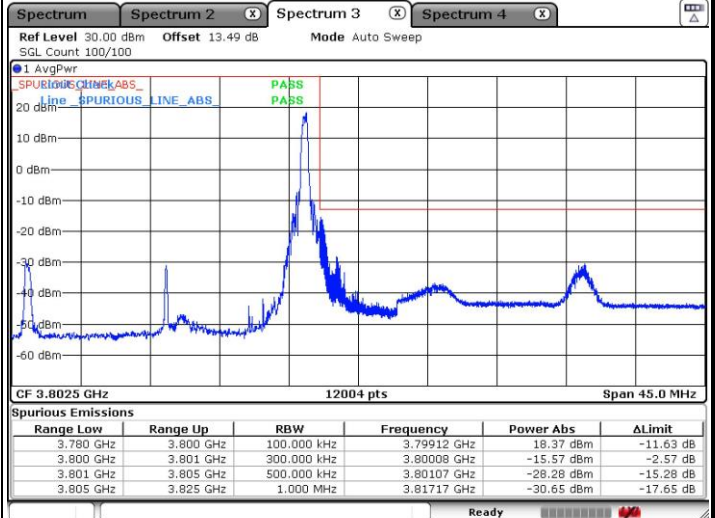
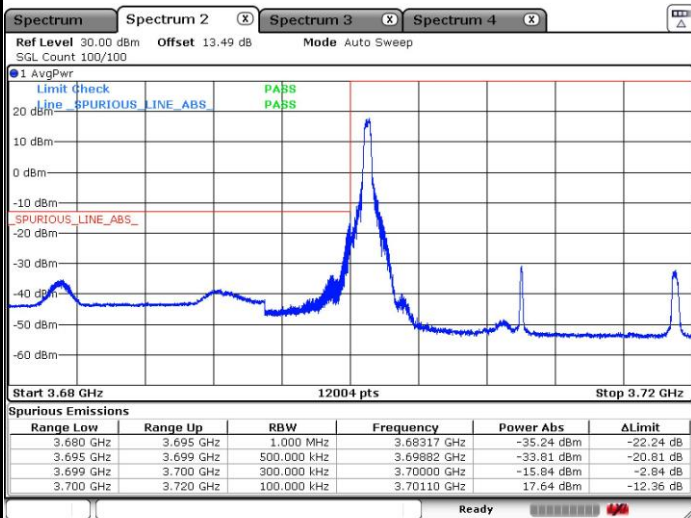
Date: 28.NOV.2021 08:54:23



FR1 n78 / 20MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

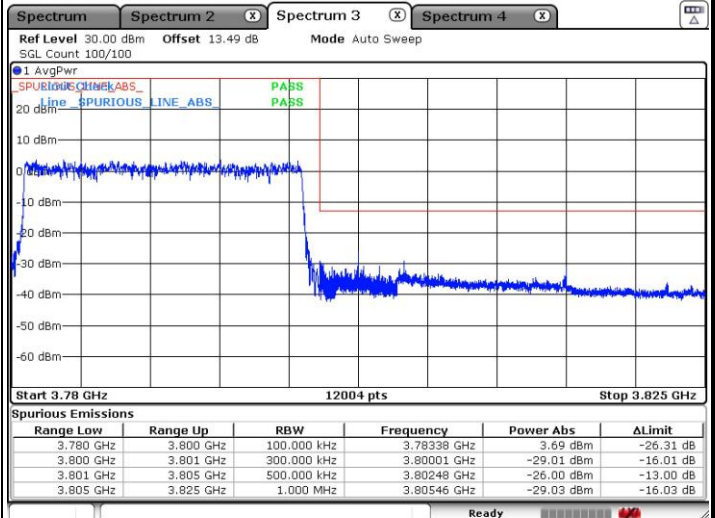
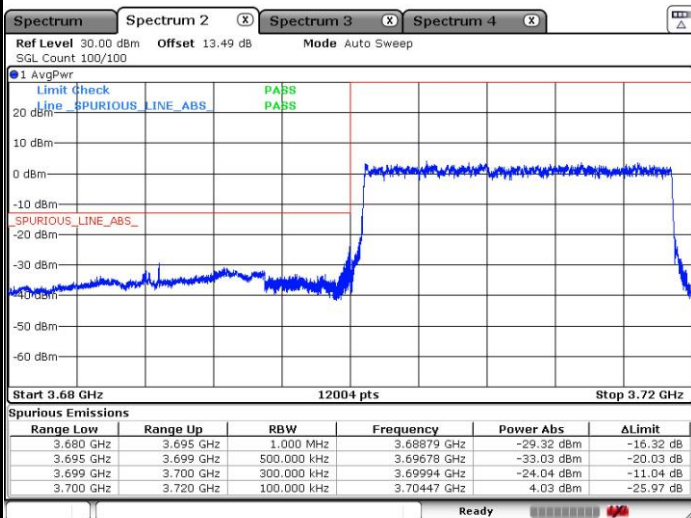


Date: 28.NOV.2021 08:22:49

Date: 28.NOV.2021 08:40:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 28.NOV.2021 08:27:59

Date: 28.NOV.2021 08:53:55