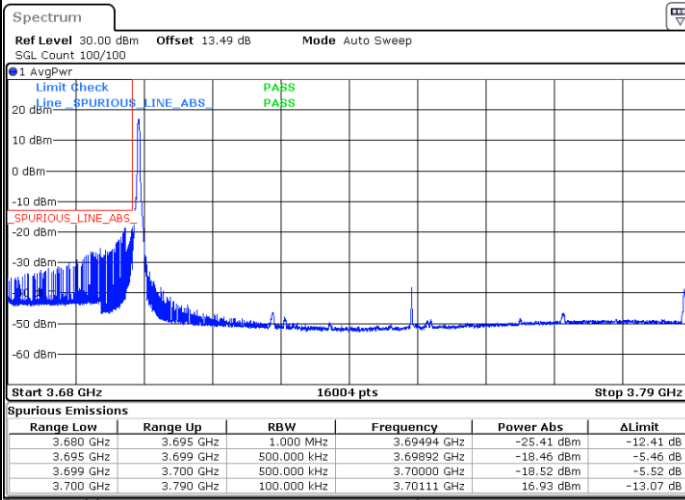




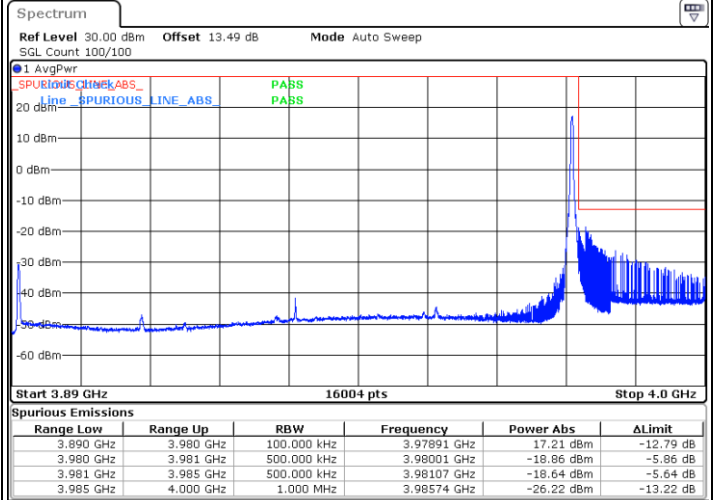
FR1 n77 / 90MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



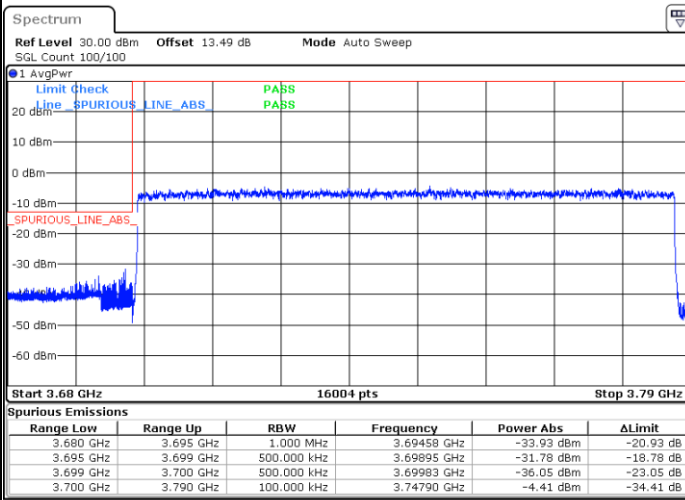
Date: 17.MAR.2022 19:39:38



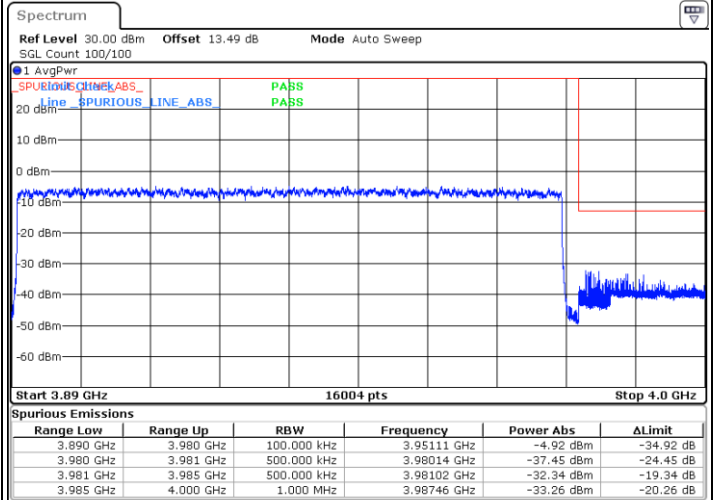
Date: 17.MAR.2022 19:55:14

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17.MAR.2022 19:41:41



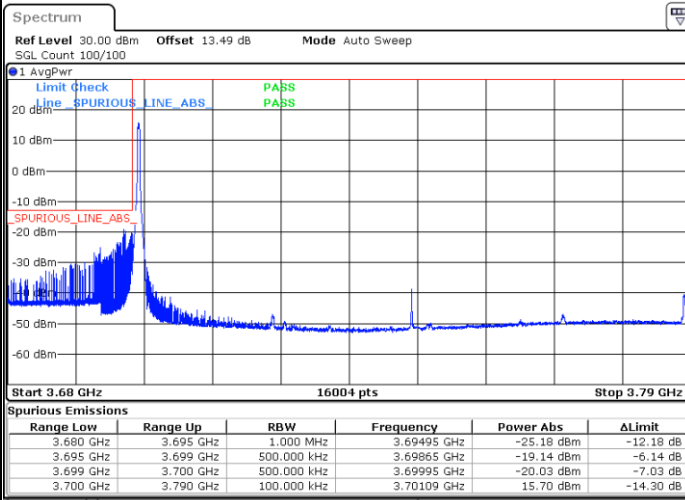
Date: 17.MAR.2022 19:57:29



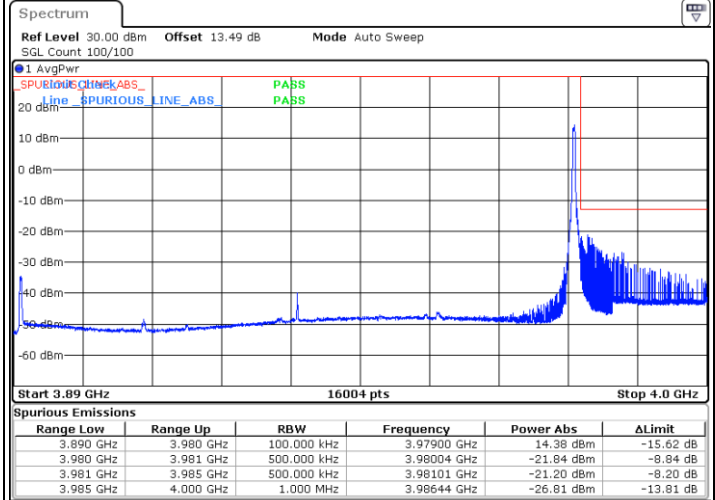
FR1 n77 / 90MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



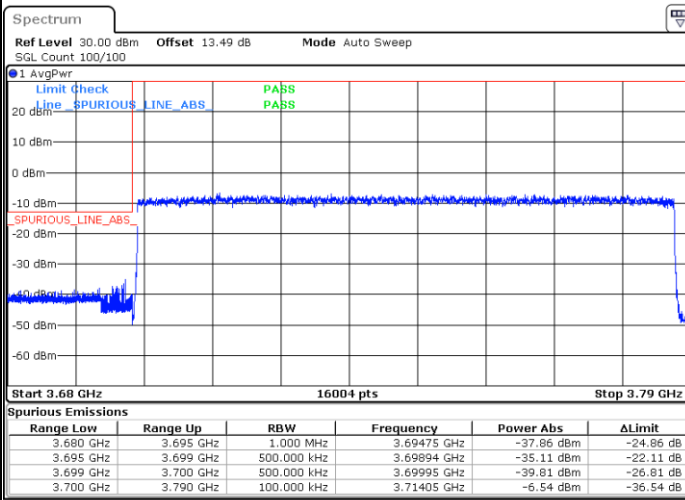
Date: 17.MAR.2022 19:40:18



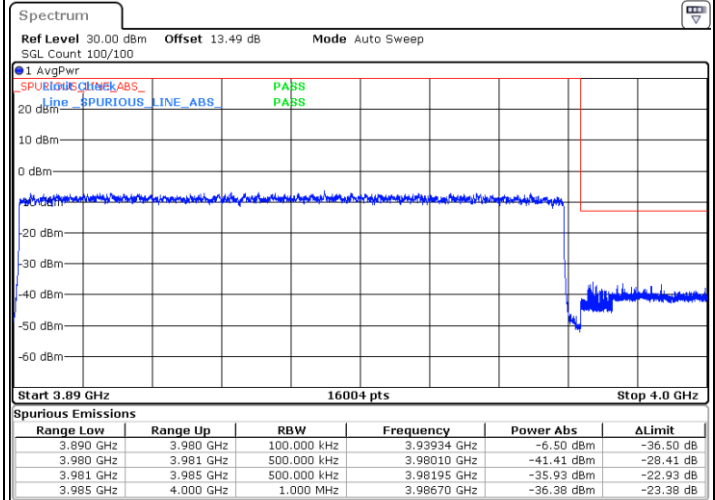
Date: 17.MAR.2022 19:55:56

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17.MAR.2022 19:40:59



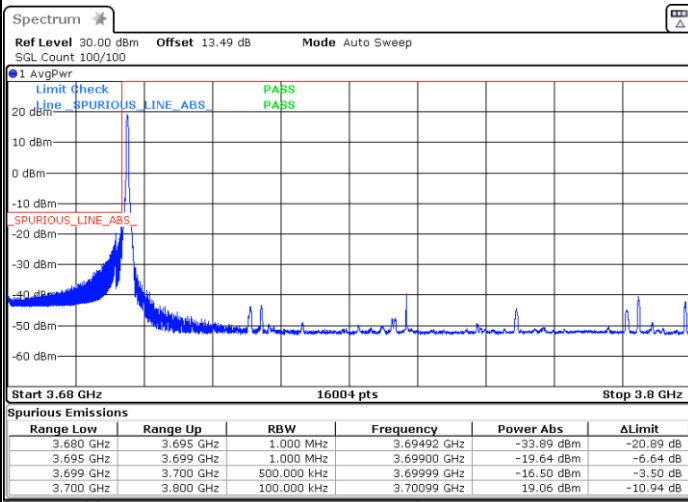
Date: 17.MAR.2022 19:56:40



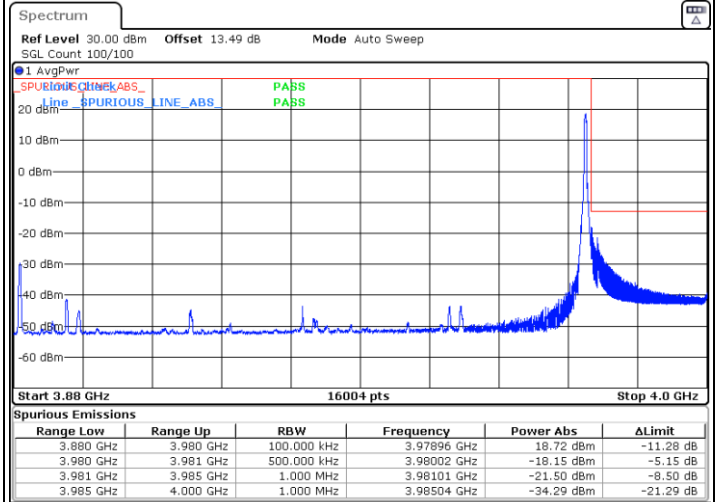
FR1 n77 / 100MHz / DFT-S OFDM / BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



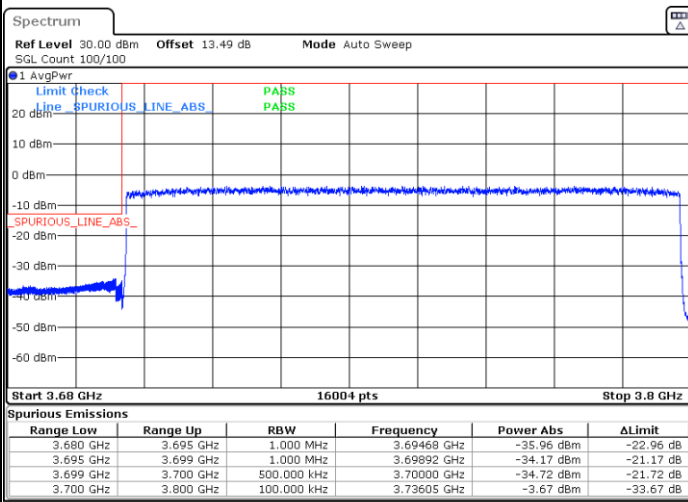
Date: 18.MAR.2022 00:01:42



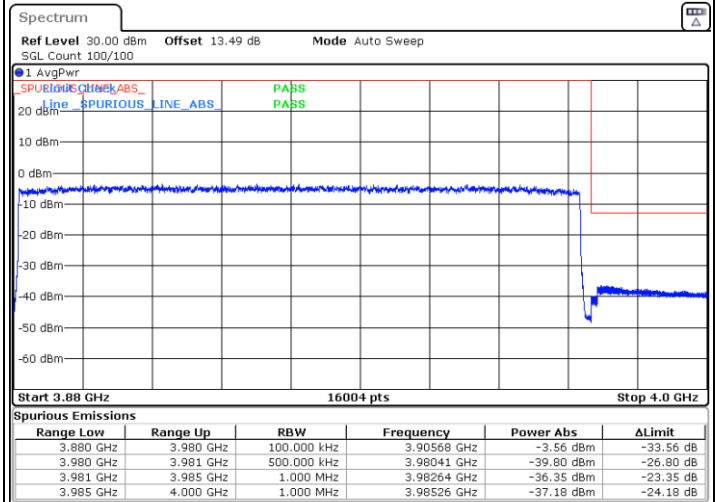
Date: 18.MAR.2022 00:22:42

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 18.MAR.2022 00:19:51



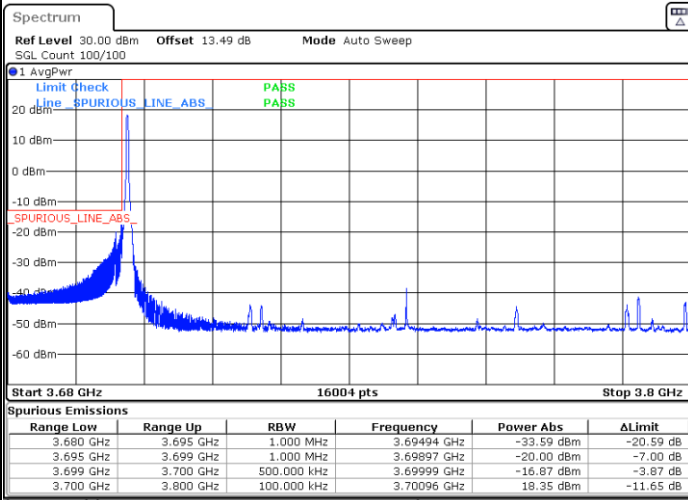
Date: 18.MAR.2022 00:38:45



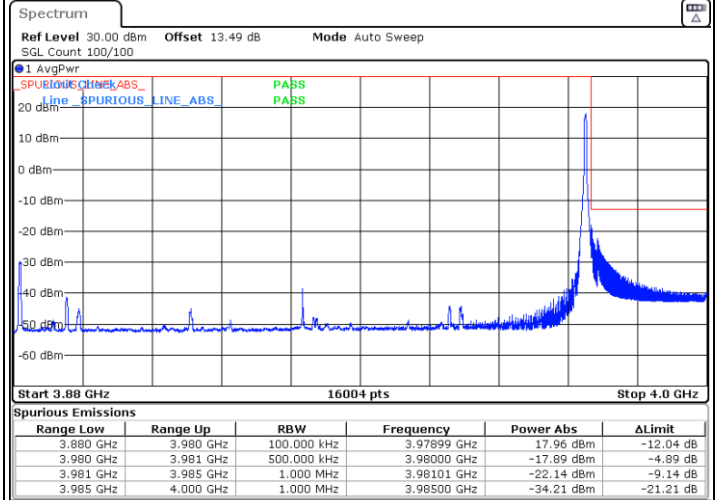
FR1 n77 / 100MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



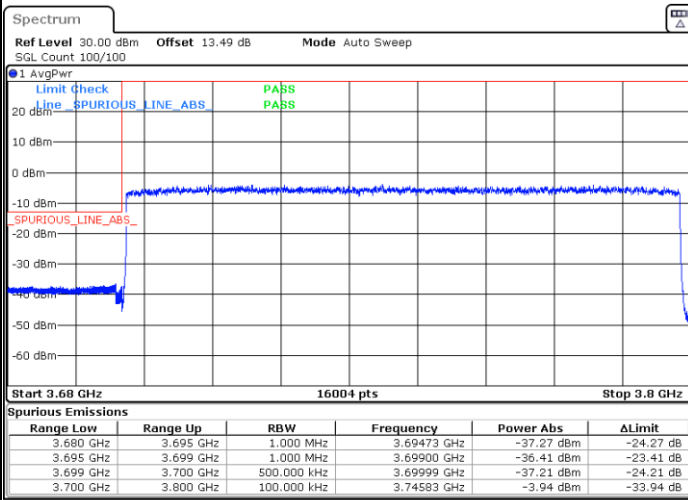
Date: 18.MAR.2022 00:03:26



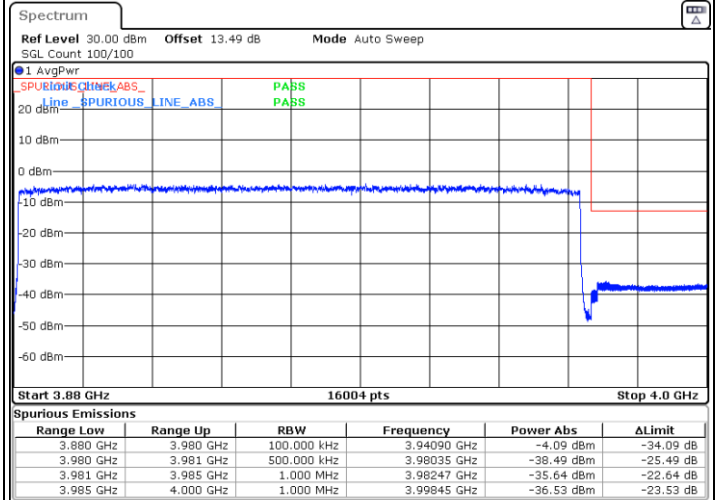
Date: 18.MAR.2022 00:24:27

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 18.MAR.2022 00:17:06



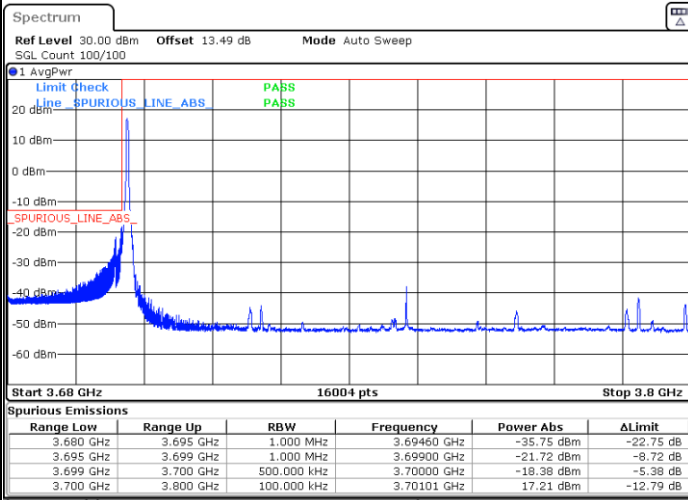
Date: 18.MAR.2022 00:36:55



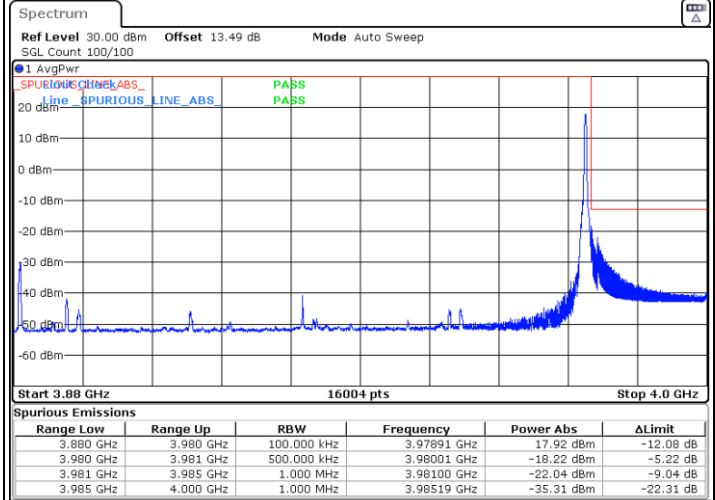
FR1 n77 / 100MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



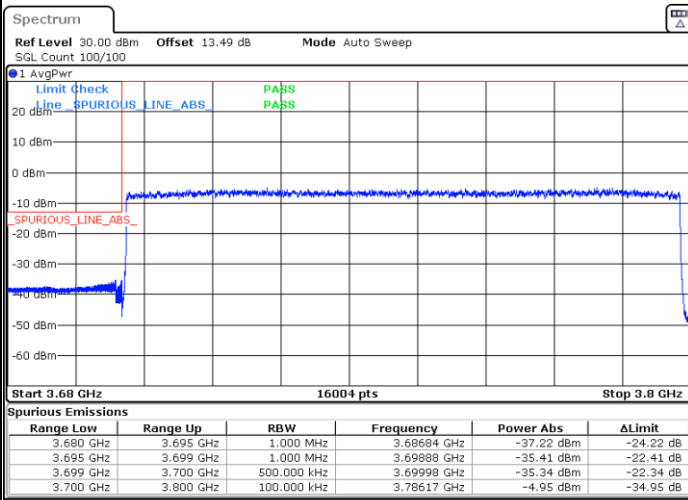
Date: 18.MAR.2022 00:05:20



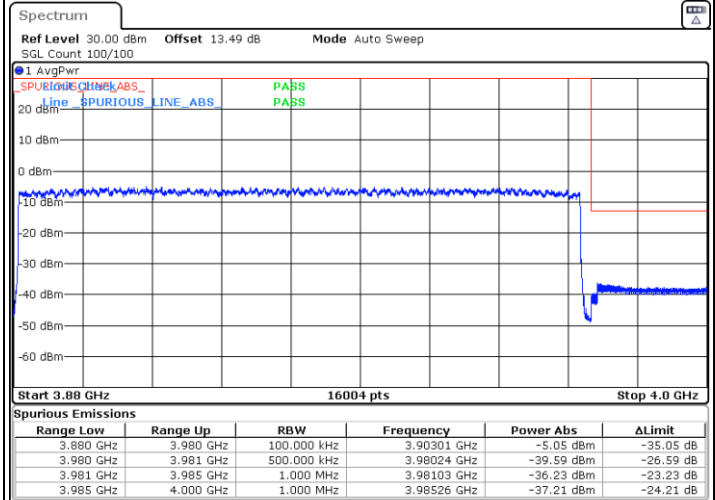
Date: 18.MAR.2022 00:26:10

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 18.MAR.2022 00:14:55



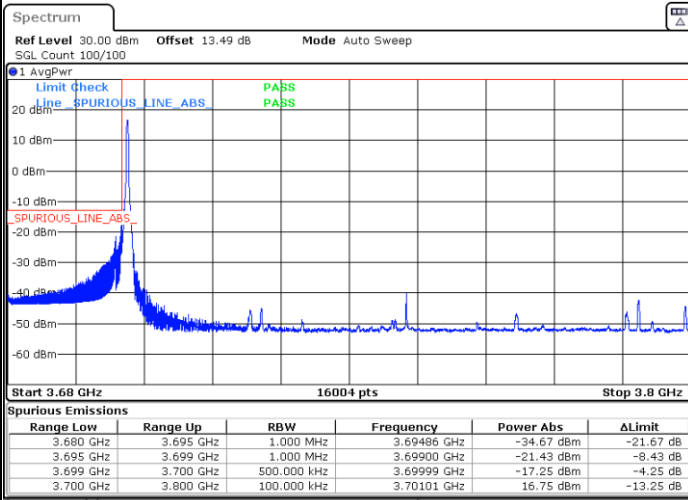
Date: 18.MAR.2022 00:35:00



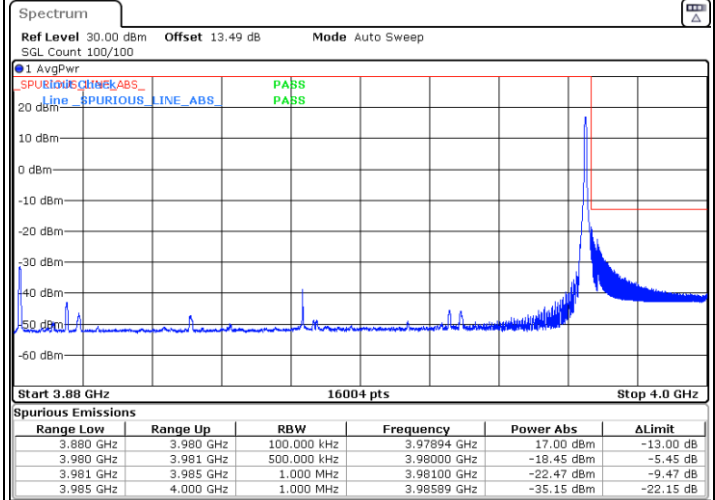
FR1 n77 / 100MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



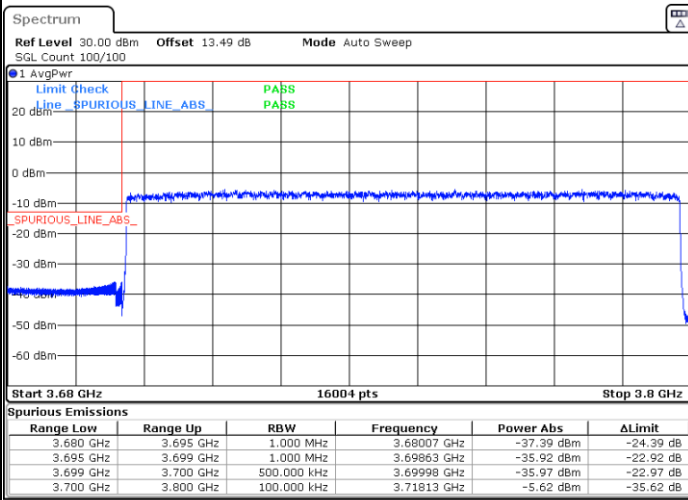
Date: 18.MAR.2022 00:07:02



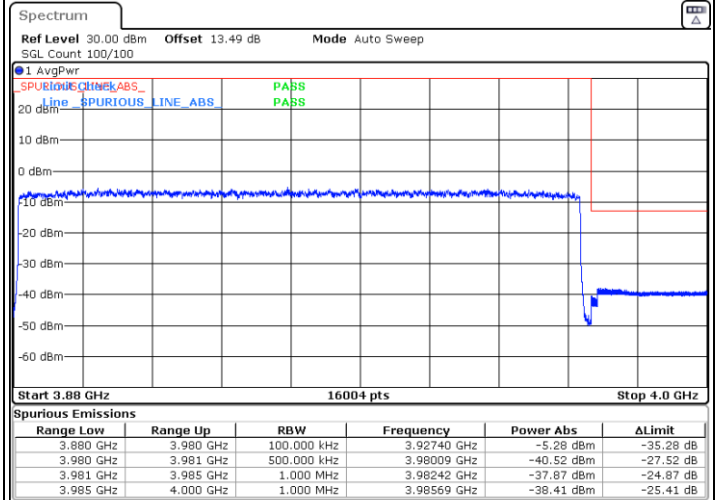
Date: 18.MAR.2022 00:27:50

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 18.MAR.2022 00:13:11



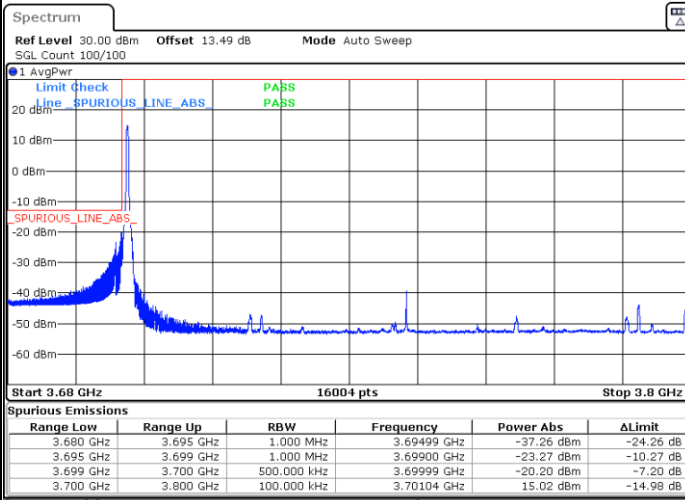
Date: 18.MAR.2022 00:33:15



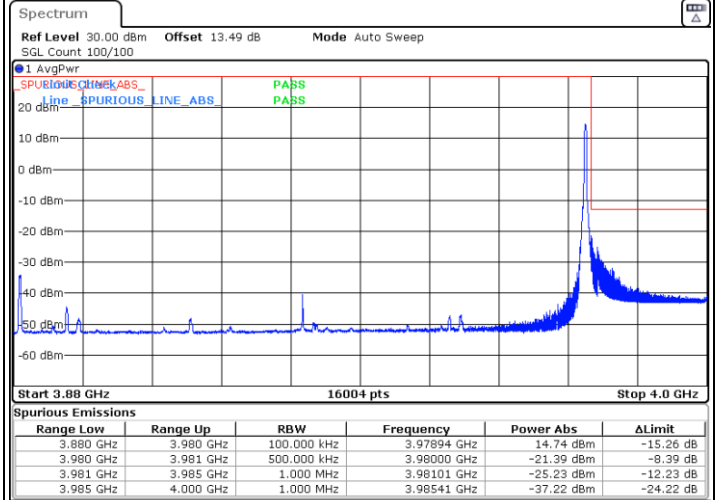
FR1 n77 /100MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



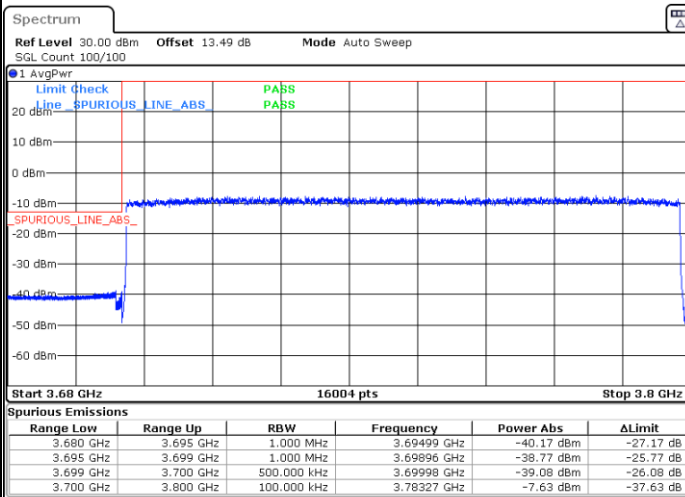
Date: 18.MAR.2022 00:08:52



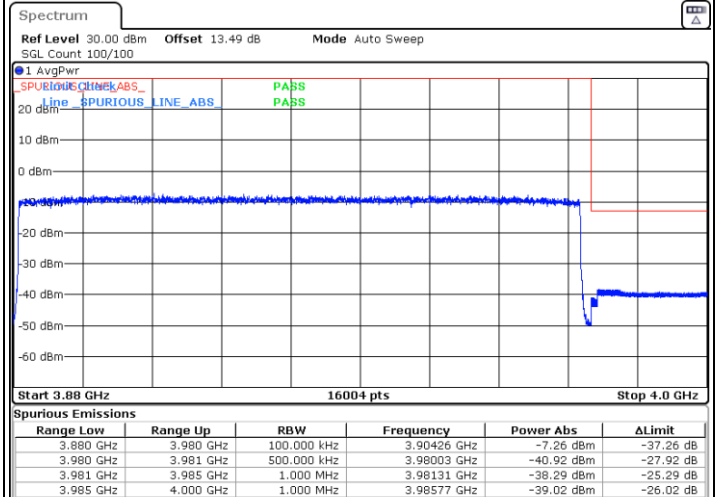
Date: 18.MAR.2022 00:29:40

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 18.MAR.2022 00:10:42



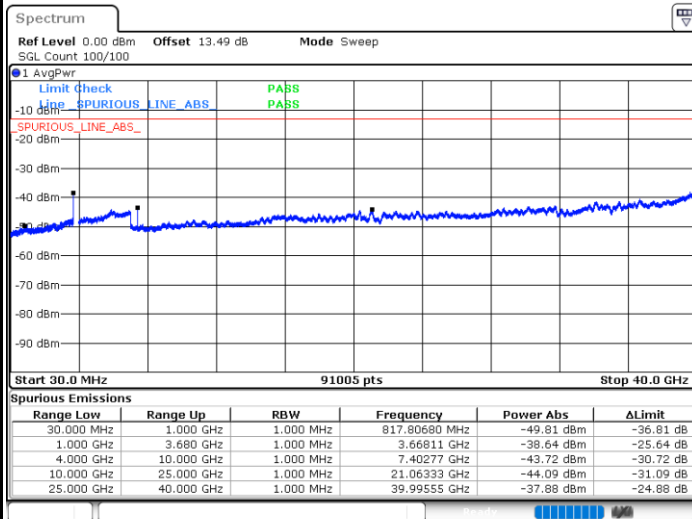
Date: 18.MAR.2022 00:31:28



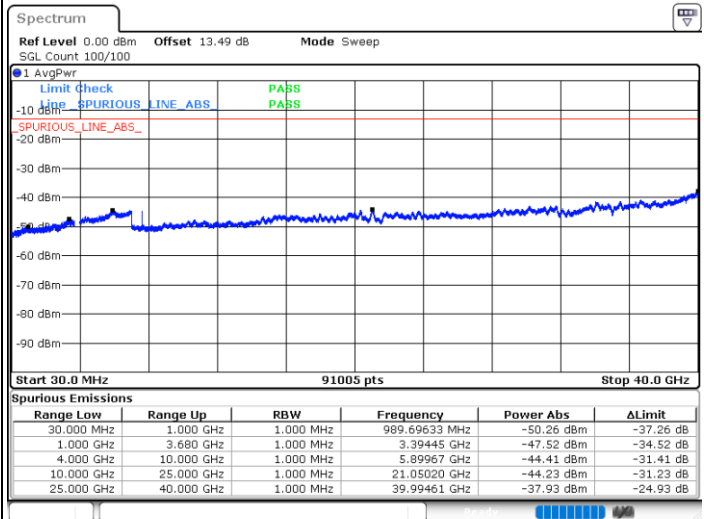
Conducted Spurious Emission

FR1 n77 / 60MHz / DFT-S OFDM / QPSK

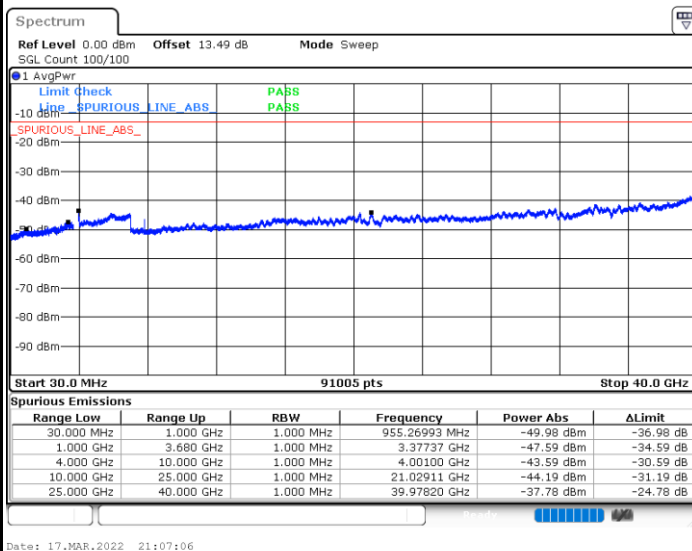
Lowest Channel / 1RB1



Middle Channel / 1RB1



Highest Channel / 1RB1

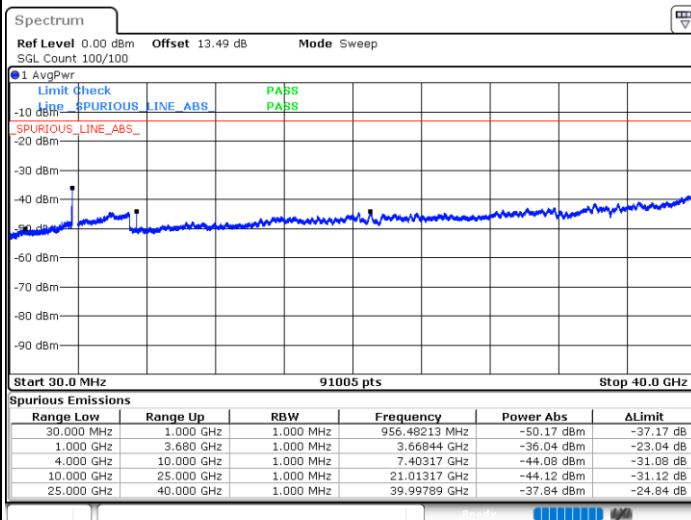




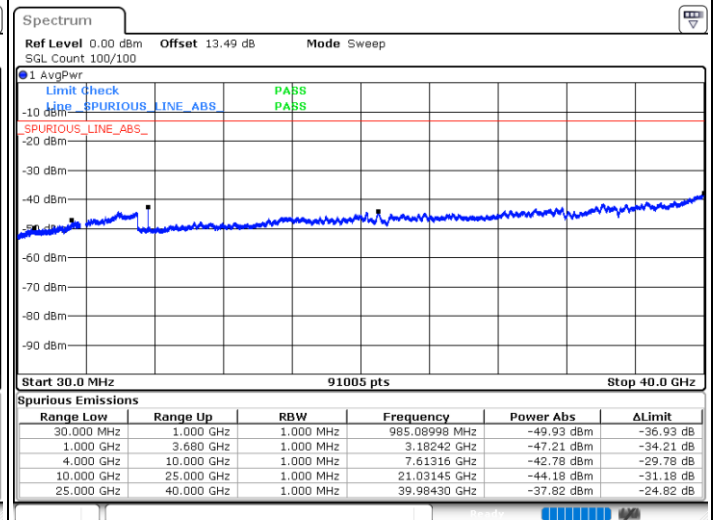
FR1 n77 / 70MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

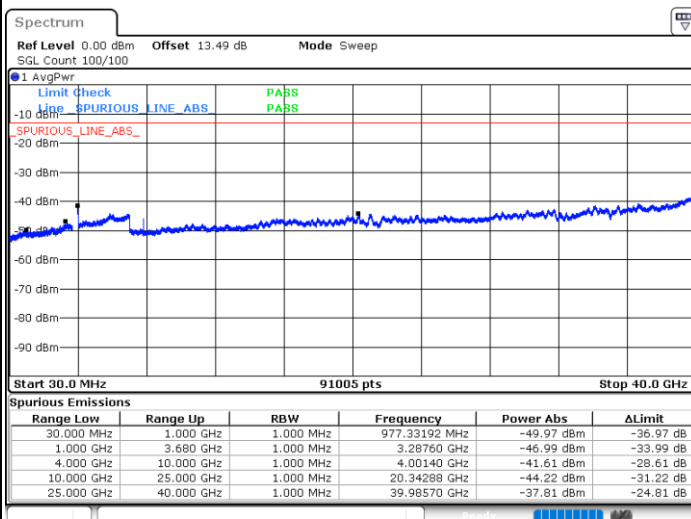


Date: 17.MAR.2022 20:36:29



Date: 17.MAR.2022 20:37:56

Highest Channel / 1RB1



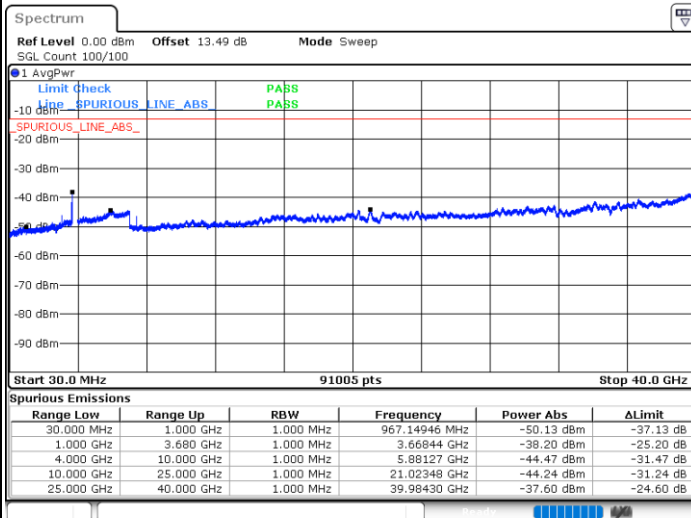
Date: 17.MAR.2022 20:39:19



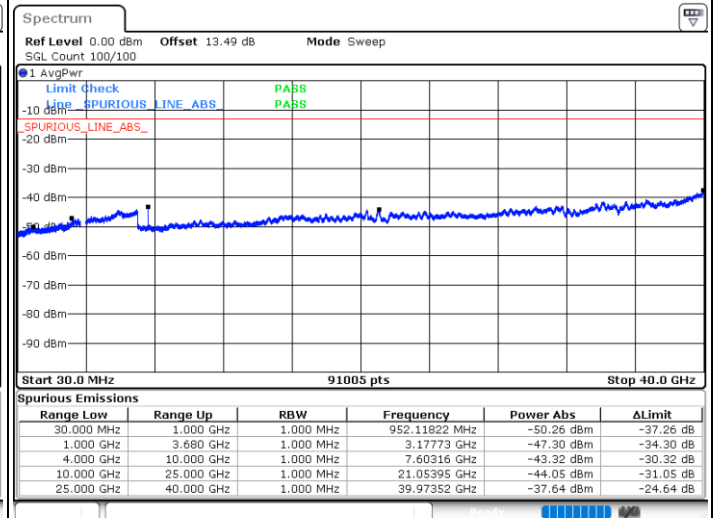
FR1 n77 / 80MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

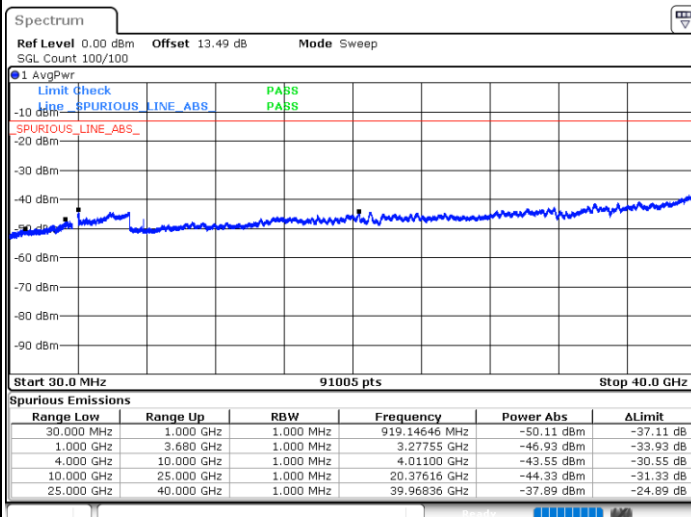


Date: 17.MAR.2022 20:14:14

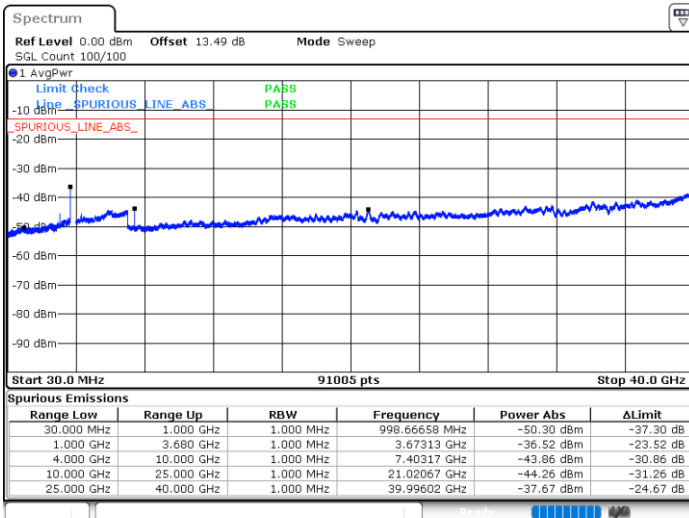


Date: 17.MAR.2022 20:15:34

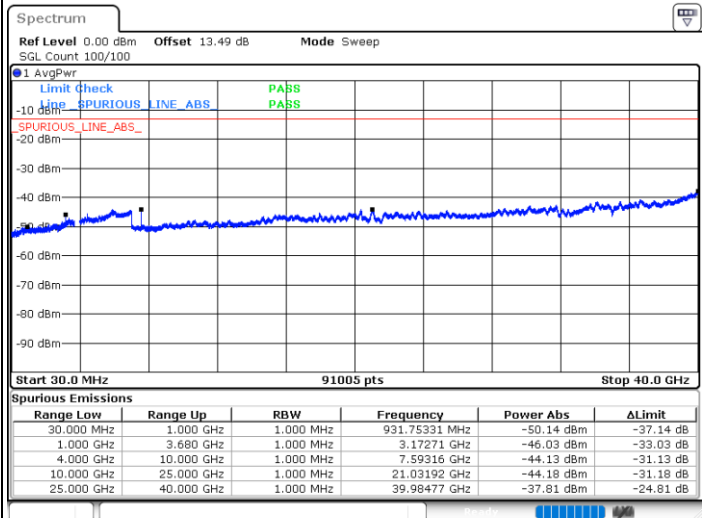
Highest Channel / 1RB1



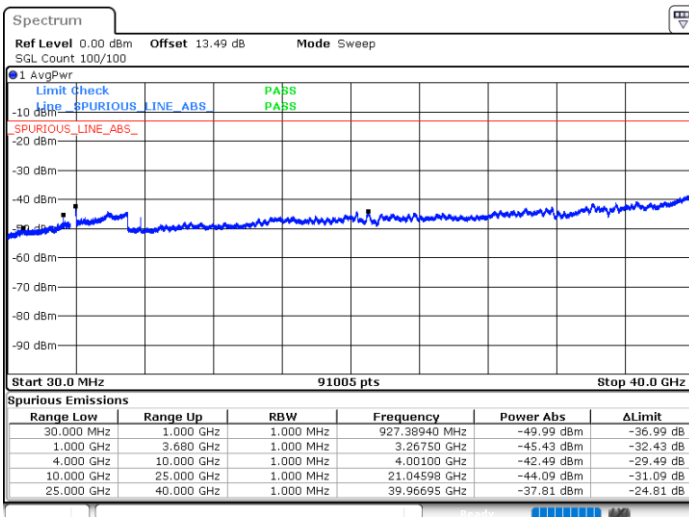
Date: 17.MAR.2022 20:16:55

**FR1 n77 / 90MHz / DFT-S OFDM / QPSK****Lowest Channel / 1RB1****Middle Channel / 1RB1**

Date: 17.MAR.2022 20:04:38



Date: 17.MAR.2022 20:03:24

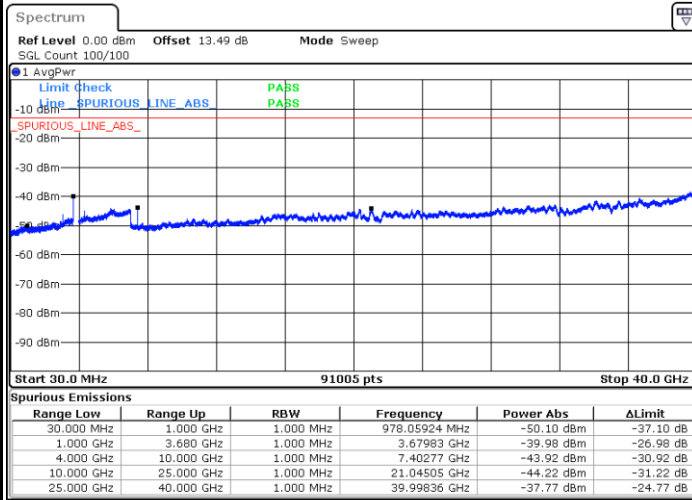
Highest Channel / 1RB1

Date: 17.MAR.2022 20:01:51



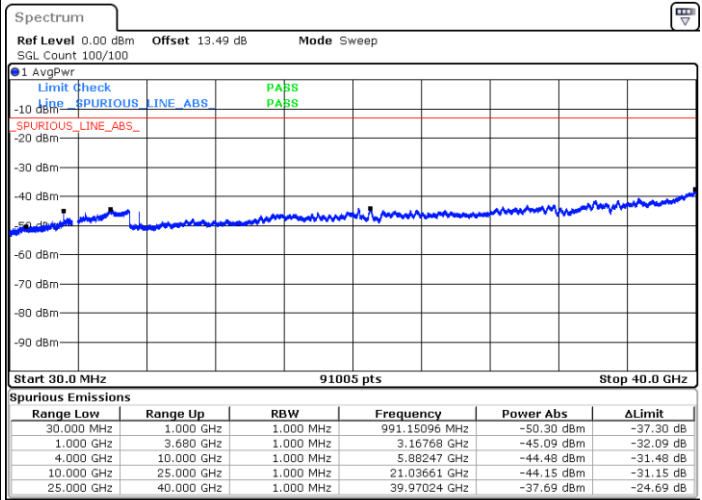
FR1 n77 / 100MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



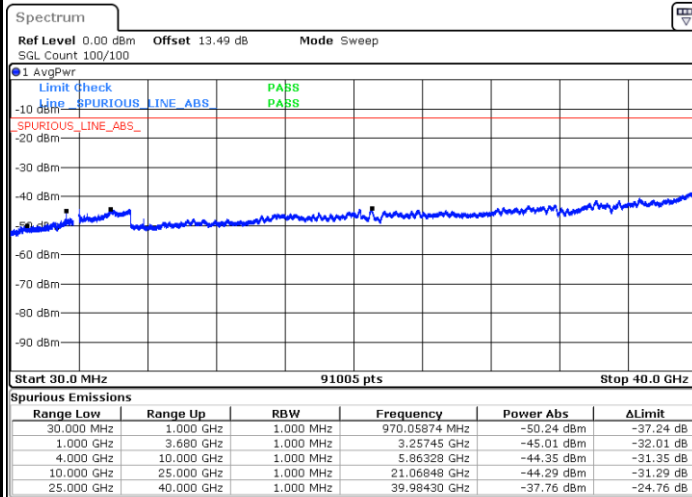
Date: 17.MAR.2022 18:40:53

Middle Channel / 1RB1



Date: 17.MAR.2022 18:43:12

Highest Channel / 1RB1



Date: 17.MAR.2022 18:44:35

Frequency Stability

Test Conditions		FR1 n77 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 100MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0035	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0034	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0033	
20	Battery End Point	0.0037	

Note:

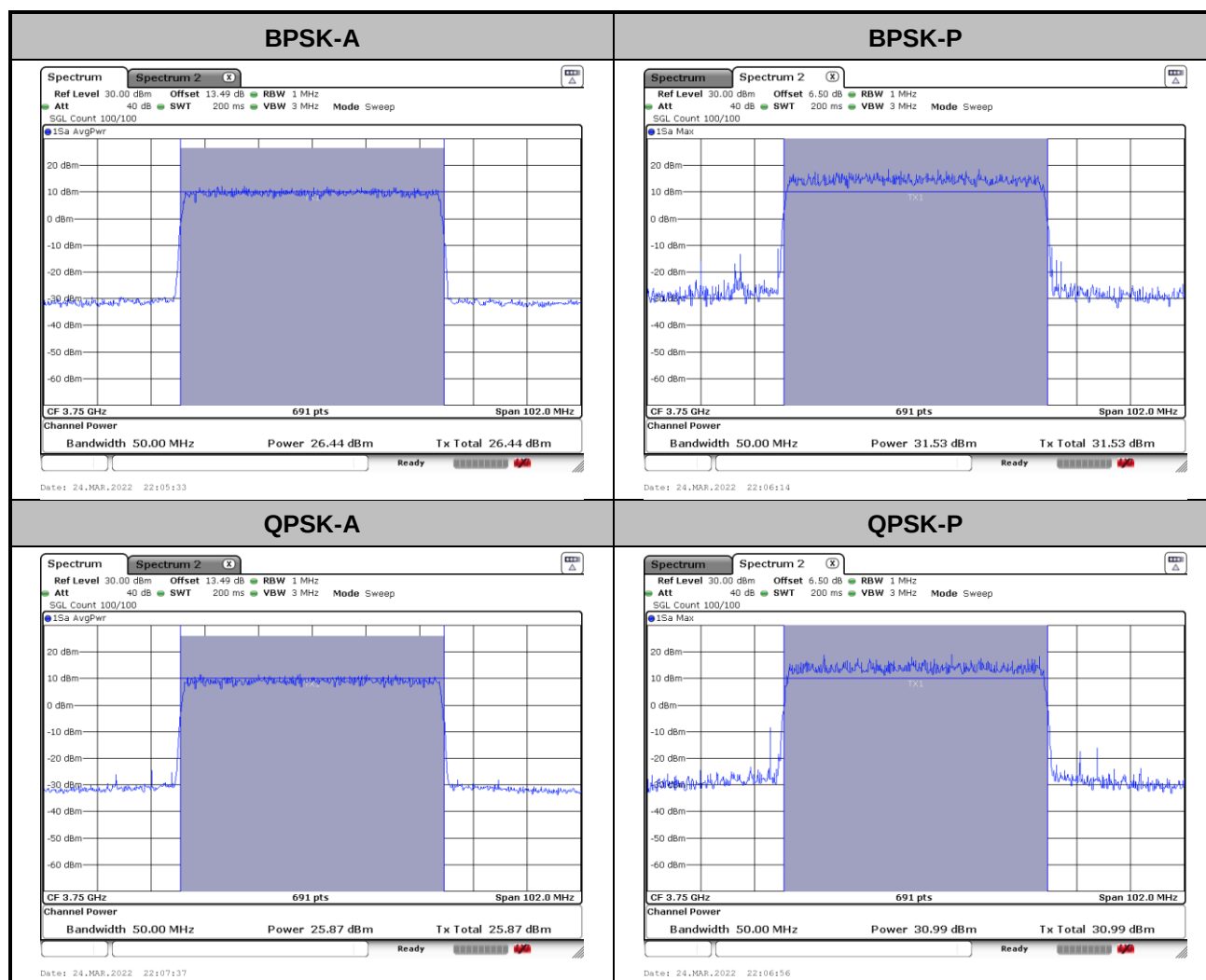
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



FR1 n78(SCS 15kHz)

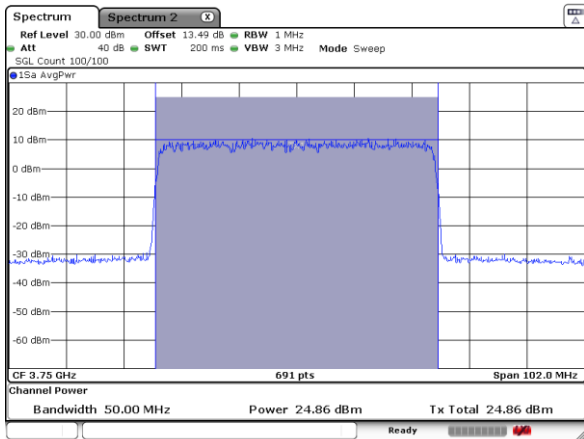
Peak-to-Average Ratio

Mode	FR1 n78 / 50MHz / DFT-S OFDM				
Mod.	50M				Limit: 13dB
RB Size	BPSK	QPSK	16QAM	64QAM	Result
Middle CH	5.09	5.12	5.35	5.22	PASS
RB Size	256QAM				
Middle CH	5.37				

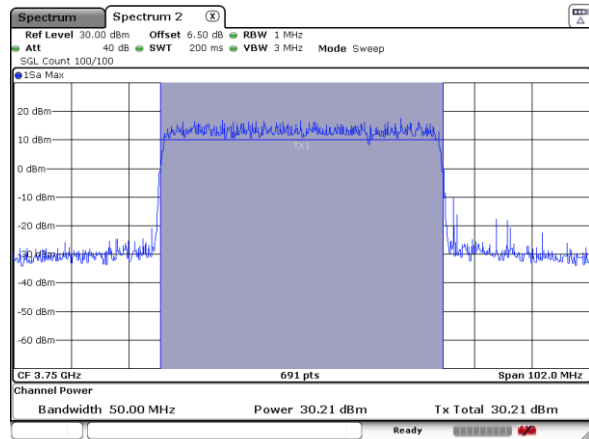




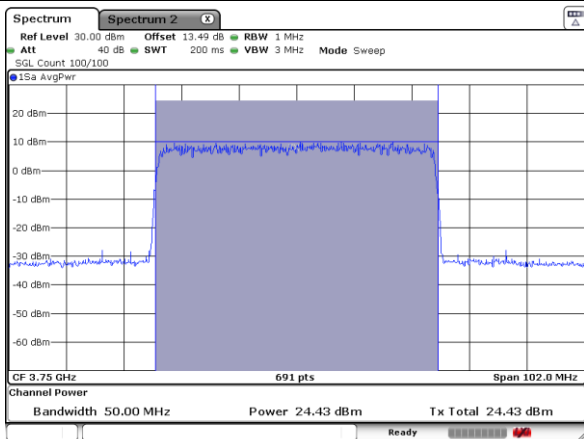
16QAM-A



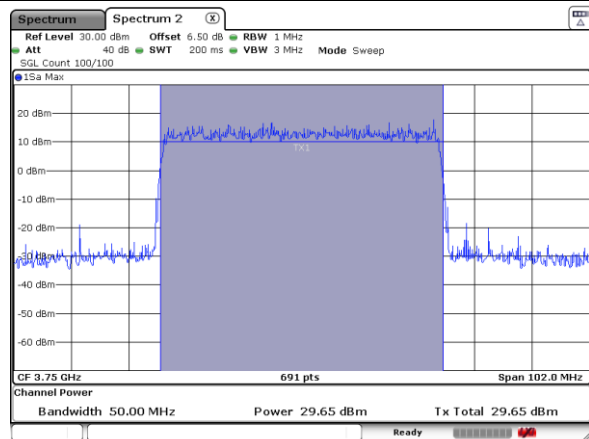
16QAM-P



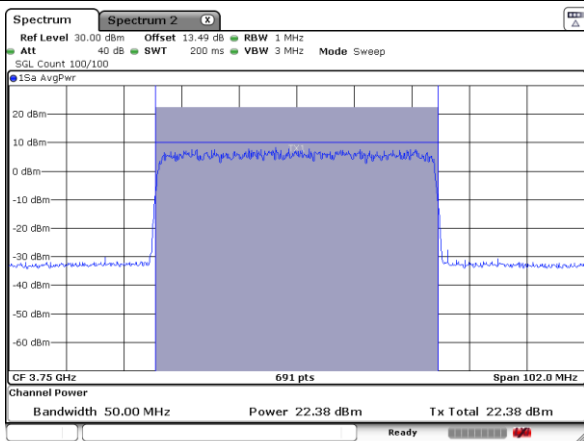
64QAM-A



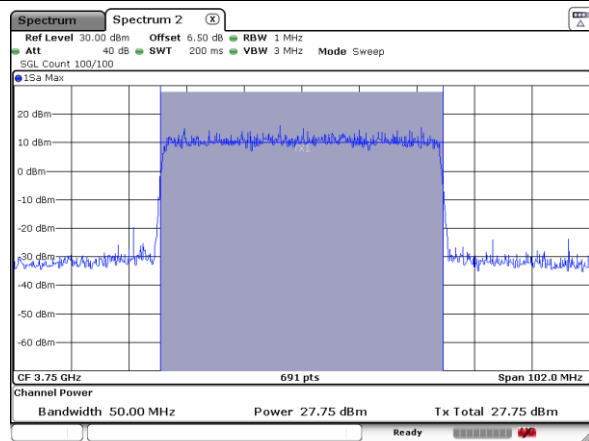
64QAM-P



256QAM-A

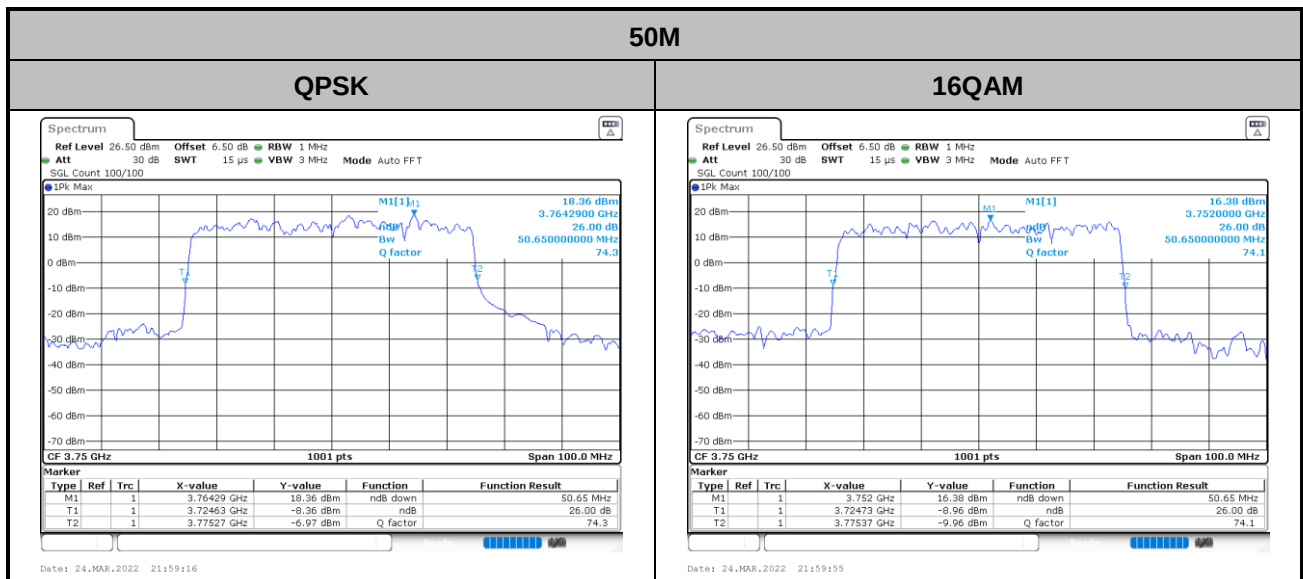


256QAM-P



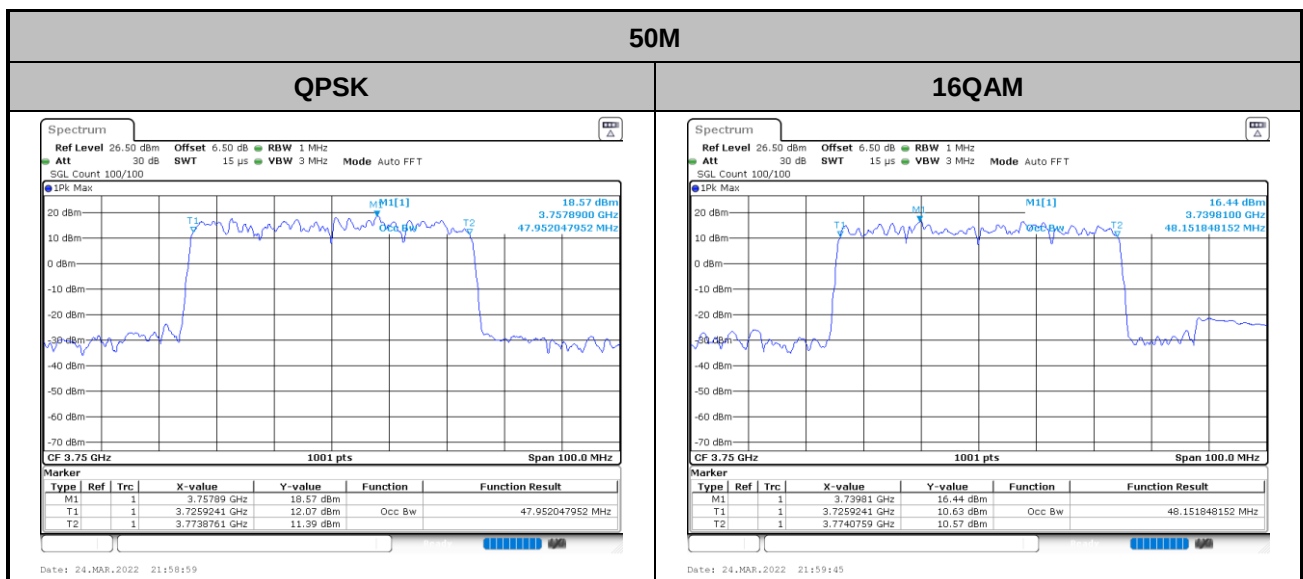
**26dB Bandwidth**

Mode	FR1 n78 : 26dB BW(MHz) / DFT-S OFDM	
BW	50M	
Mod.	QPSK	16QAM
Middle CH	50.65	50.65



Occupied Bandwidth

Mode	FR1 n78: OB BW(MHz) / DFT-S OFDM	
BW	50M	
Mod.	QPSK	16QAM
Middle CH	47.95	48.15

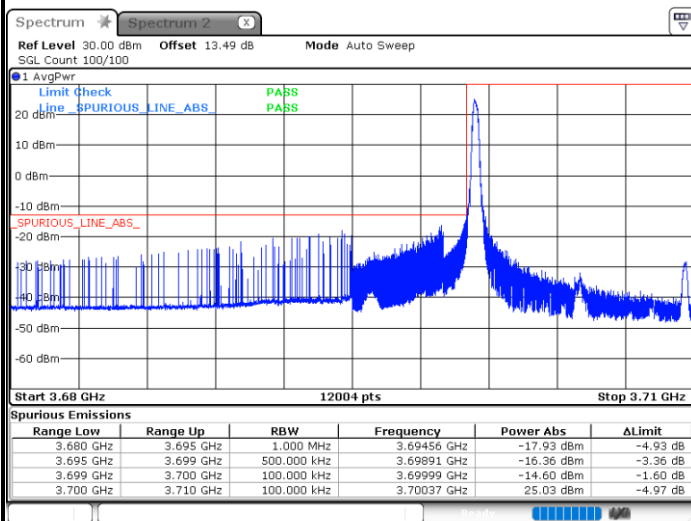




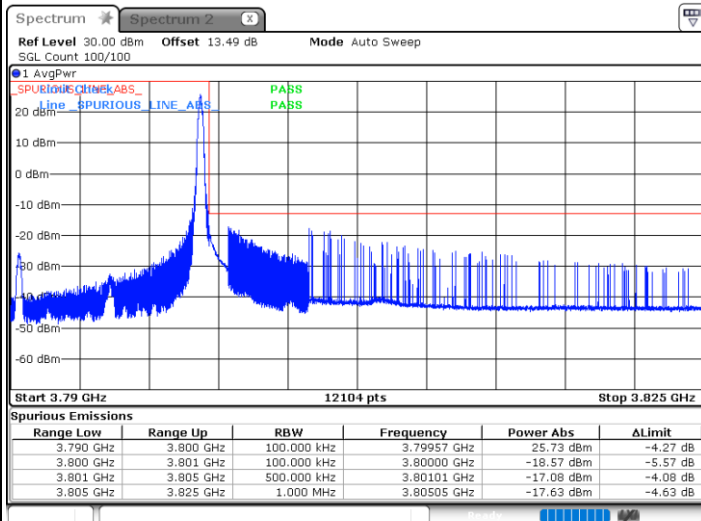
Conducted Band Edge

FR1 n78/ 10MHz / DFT-S OFDM / PI/2 BPSK

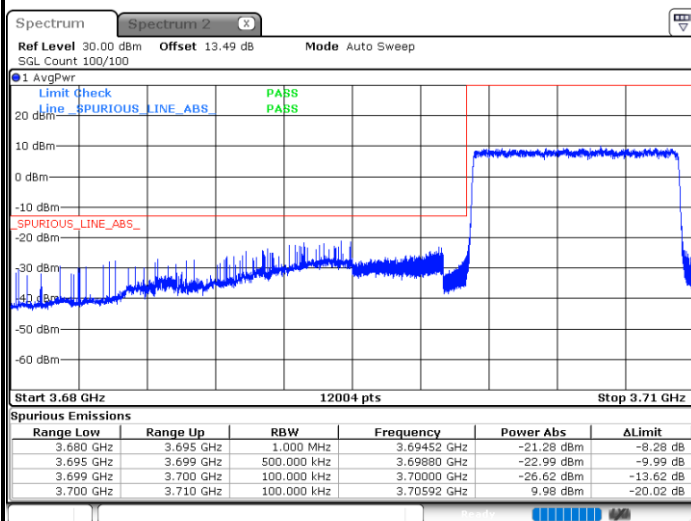
Lowest Band Edge / 1RB0



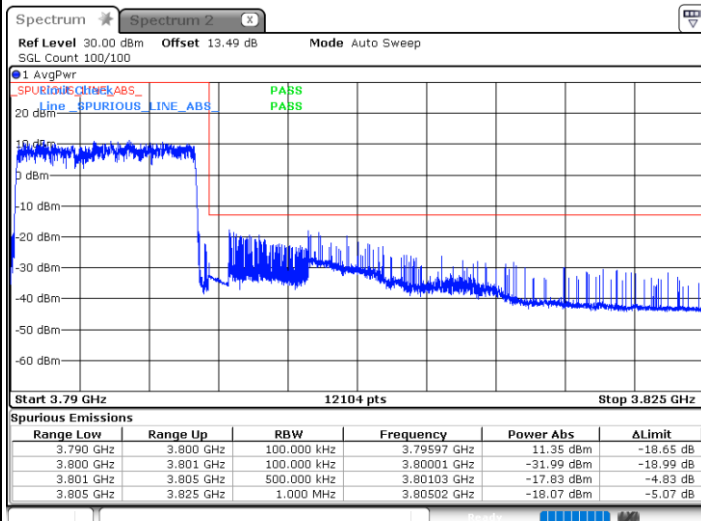
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



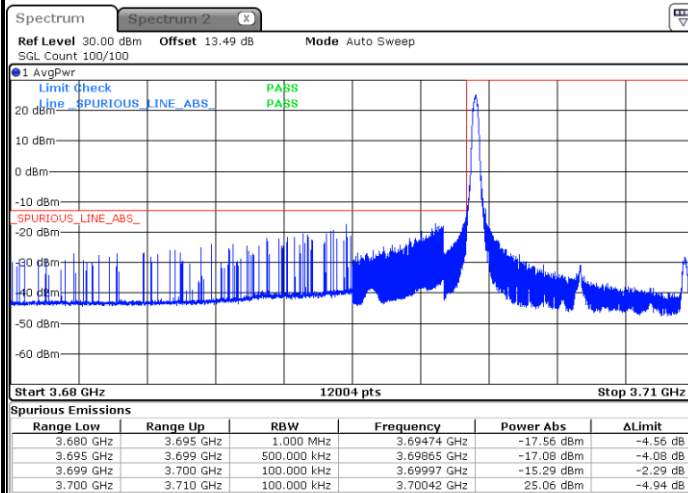
Highest Band Edge / Full RB



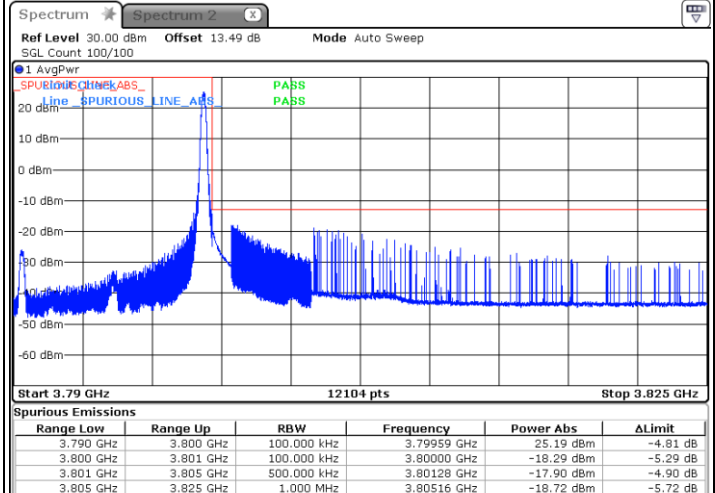


FR1 n78 / 10MHz / DFT-S OFDM / QPSK

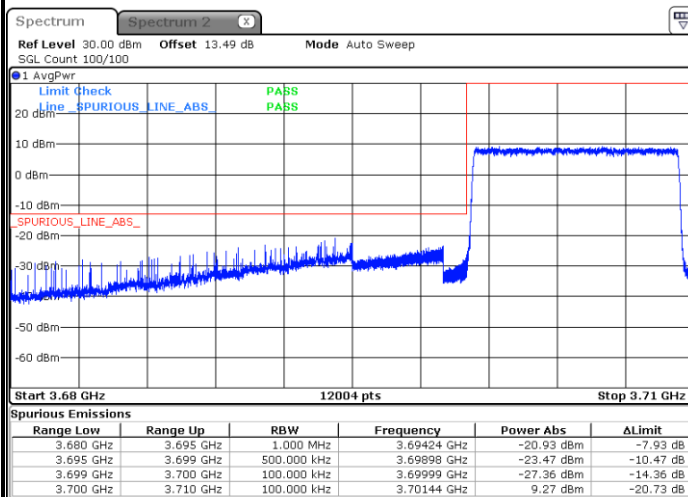
Lowest Band Edge / 1RB0



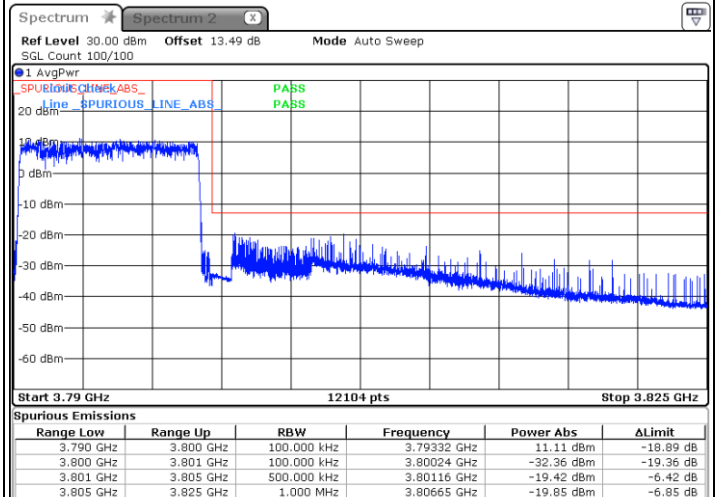
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

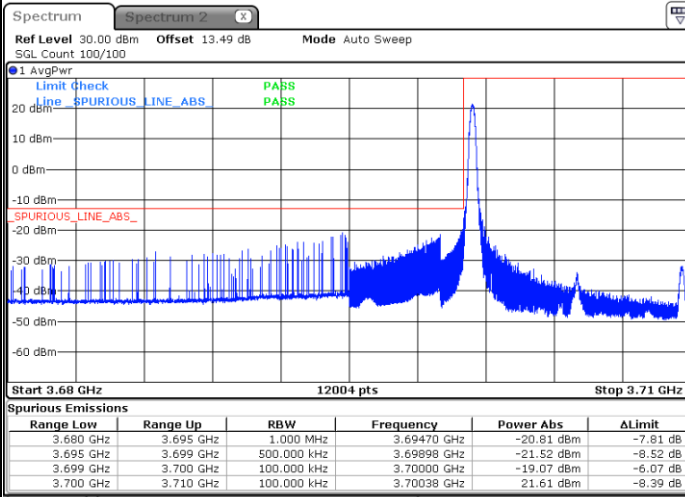




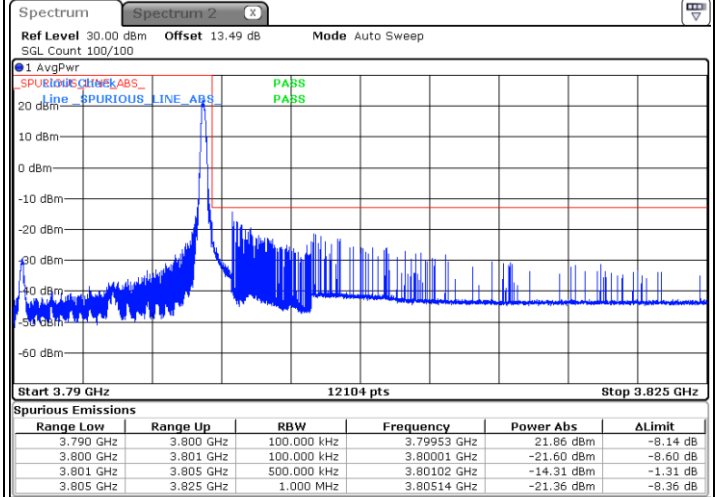
FR1 n78 / 10MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



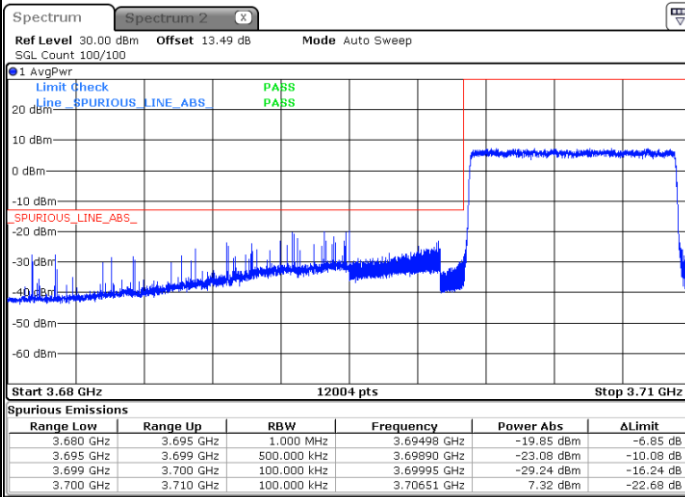
Date: 23.MAR.2022 22:34:23



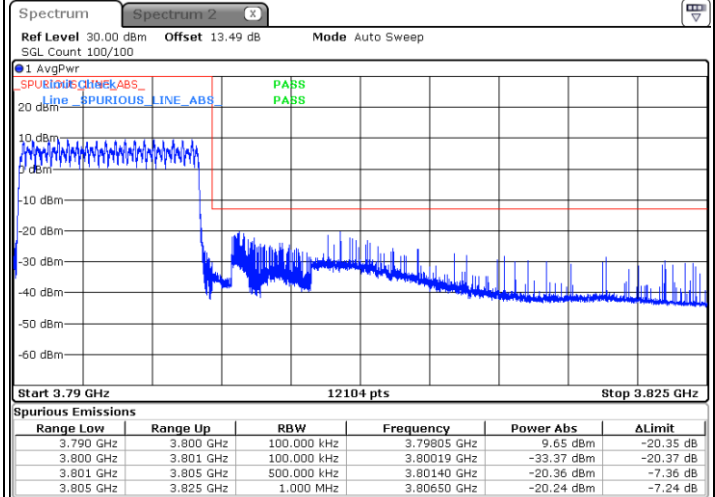
Date: 23.MAR.2022 22:55:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.MAR.2022 22:39:36



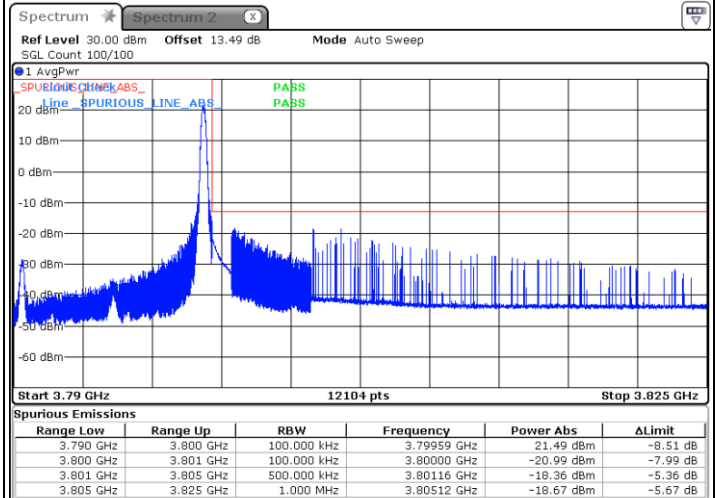
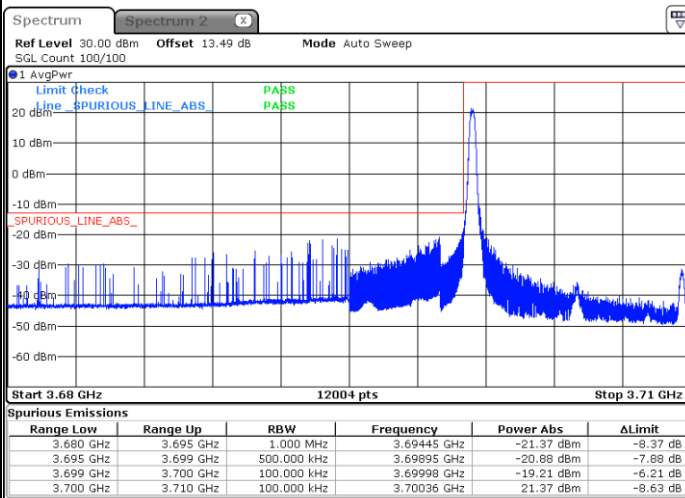
Date: 23.MAR.2022 22:49:24



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

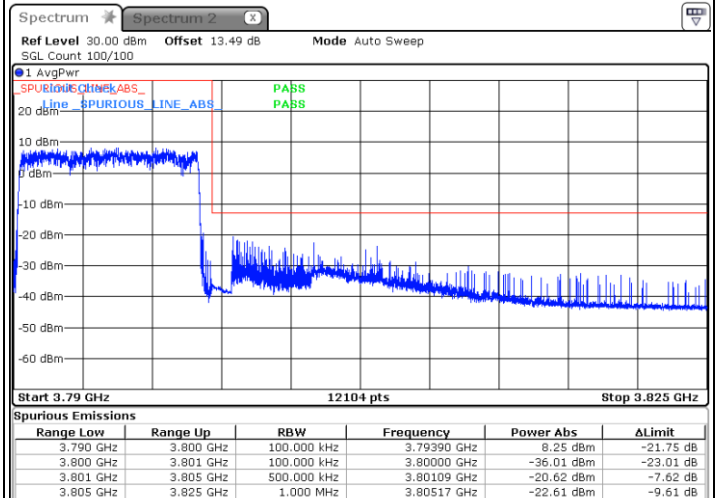
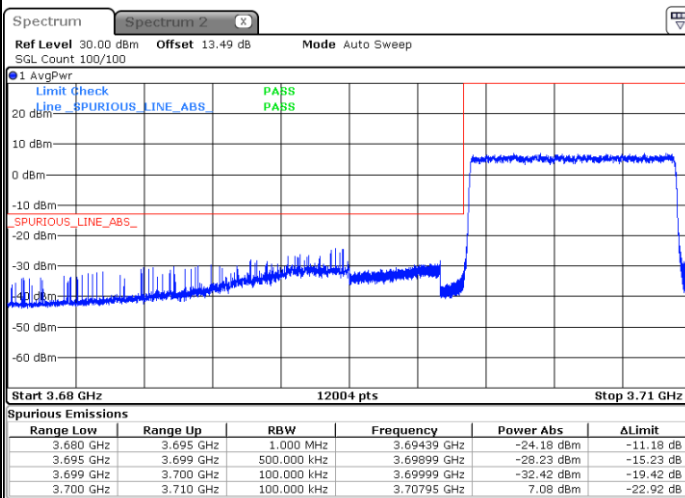
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

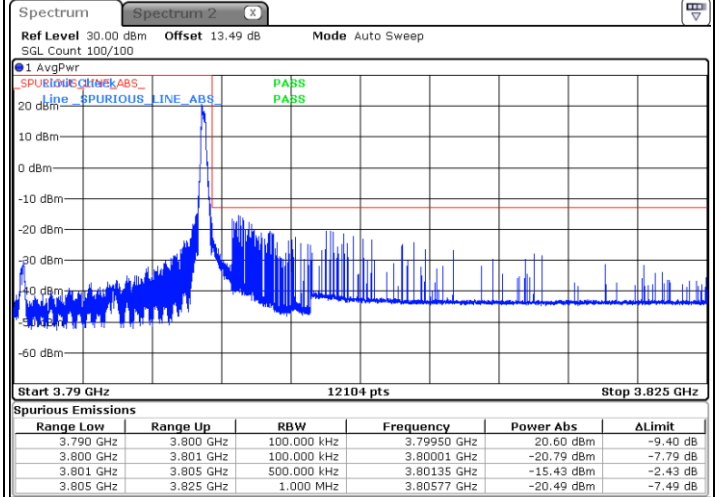
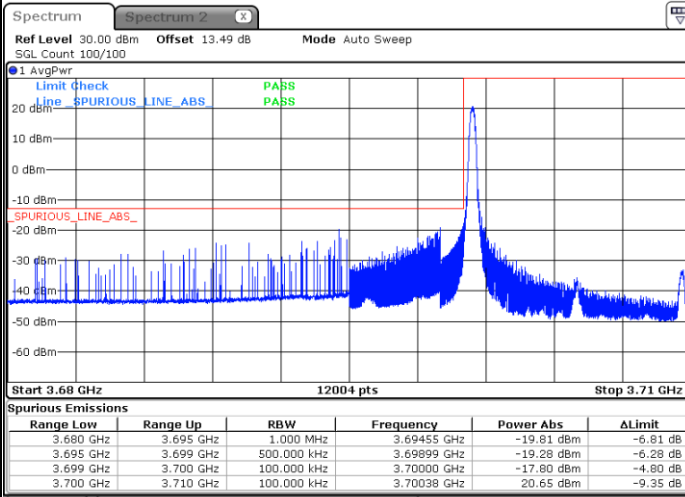




FR1 n78 / 10MHz / DFT-S OFDM / 256Q

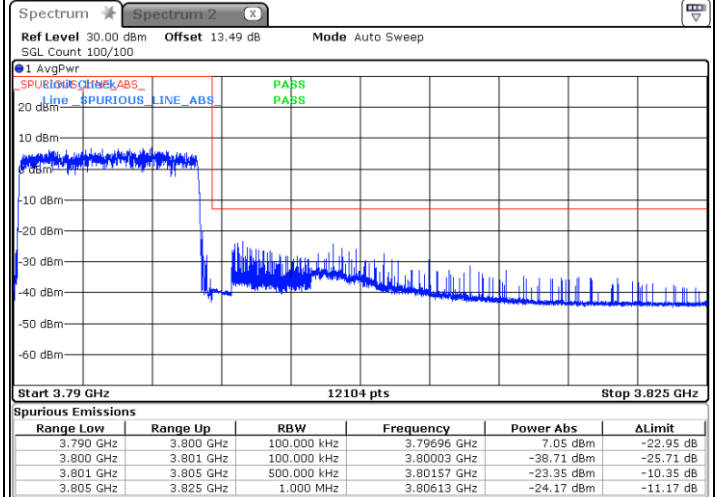
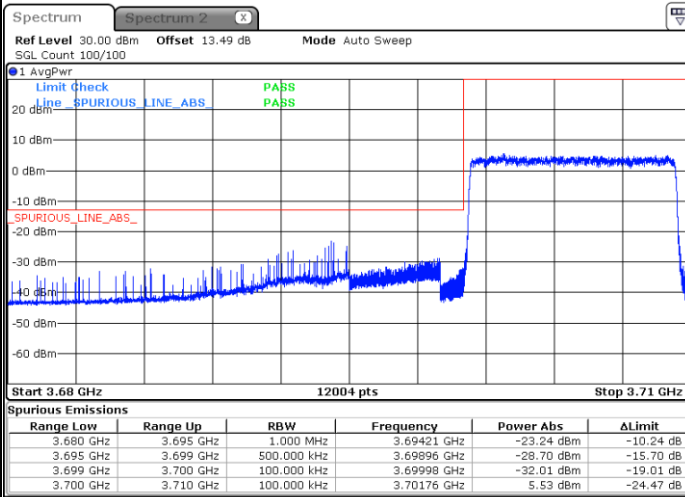
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

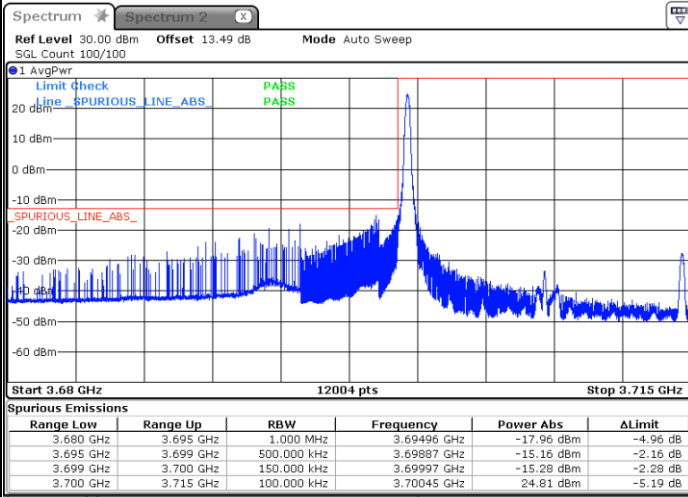




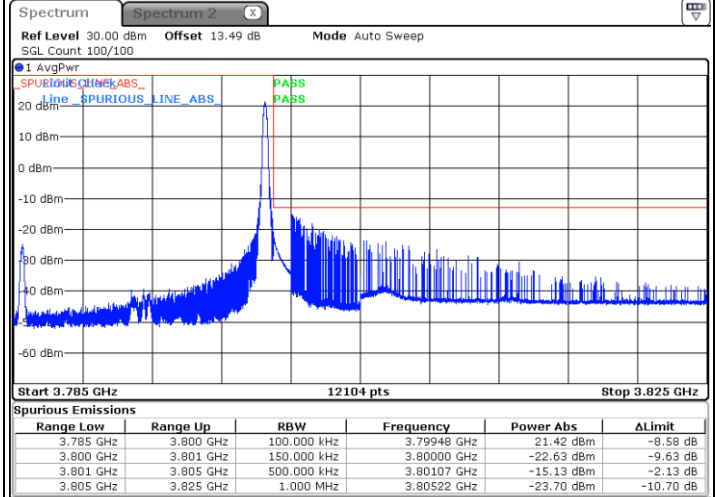
FR1 n78 / 15MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



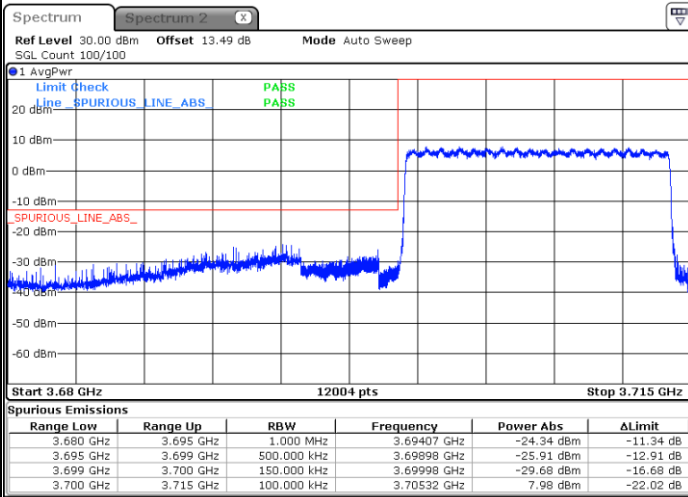
Date: 23.MAR.2022 23:37:30



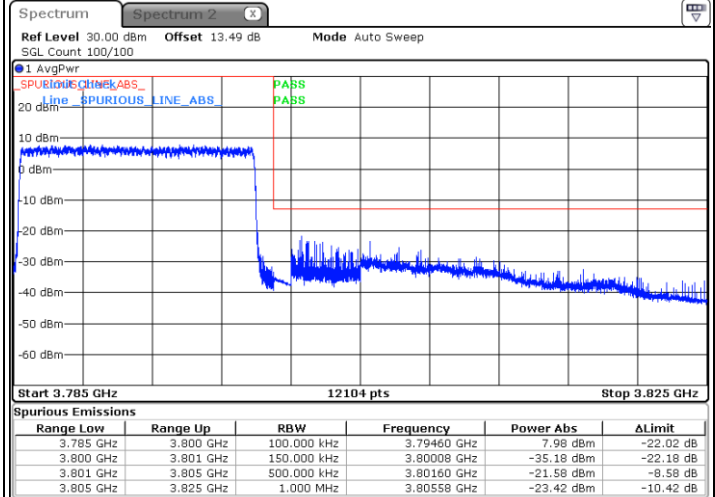
Date: 24.MAR.2022 02:34:26

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.MAR.2022 23:46:32



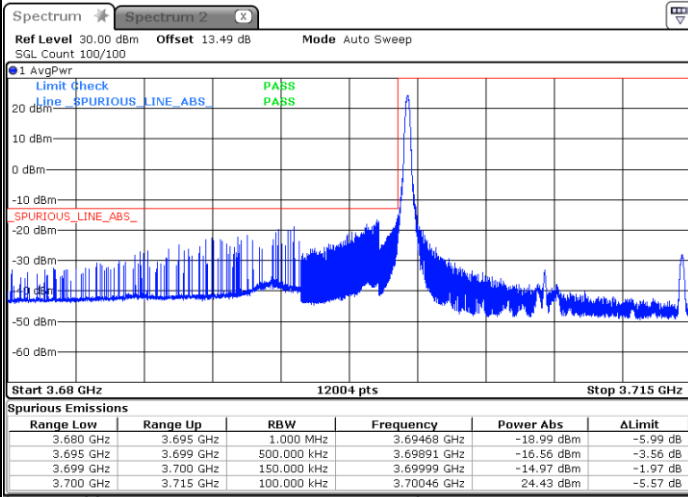
Date: 23.MAR.2022 23:50:04



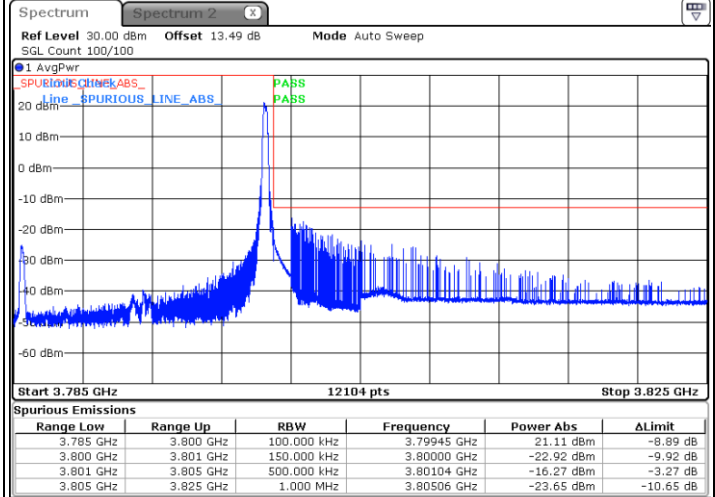
FR1 n78 / 15MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



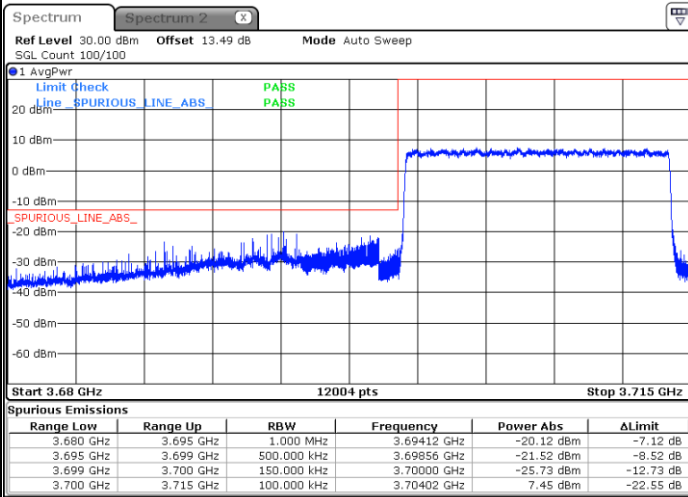
Date: 23.MAR.2022 23:39:52



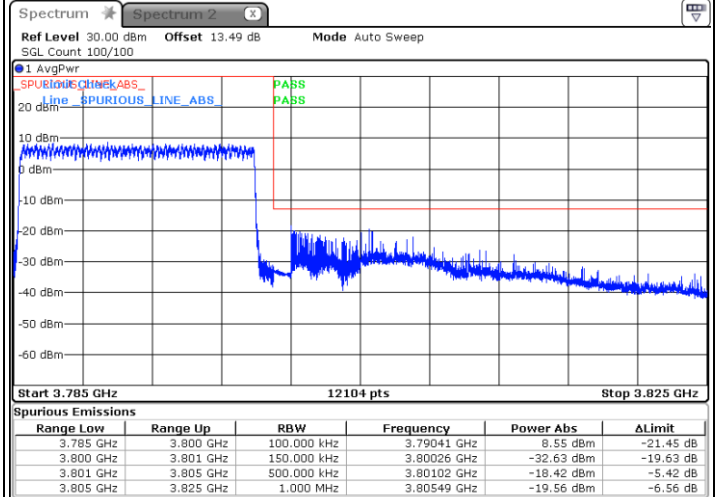
Date: 24.MAR.2022 02:33:05

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.MAR.2022 23:45:34

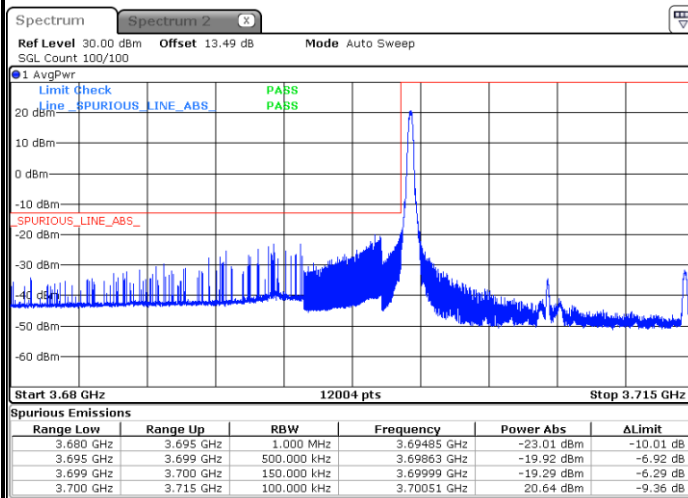


Date: 23.MAR.2022 23:48:44

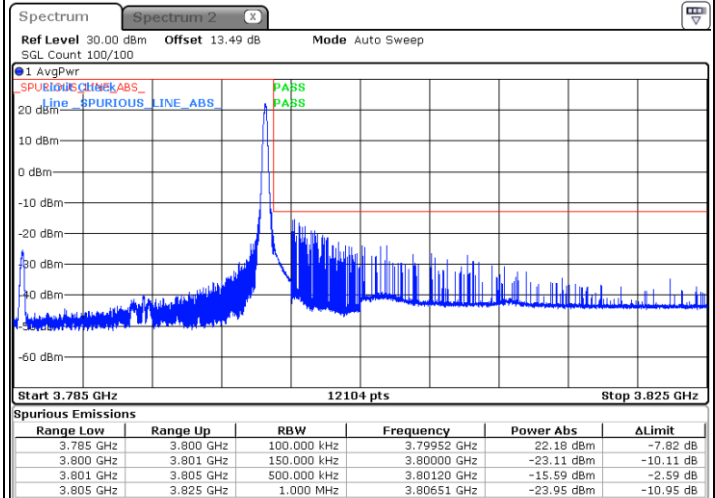


FR1 n78 / 15MHz / DFT-S OFDM / 16Q

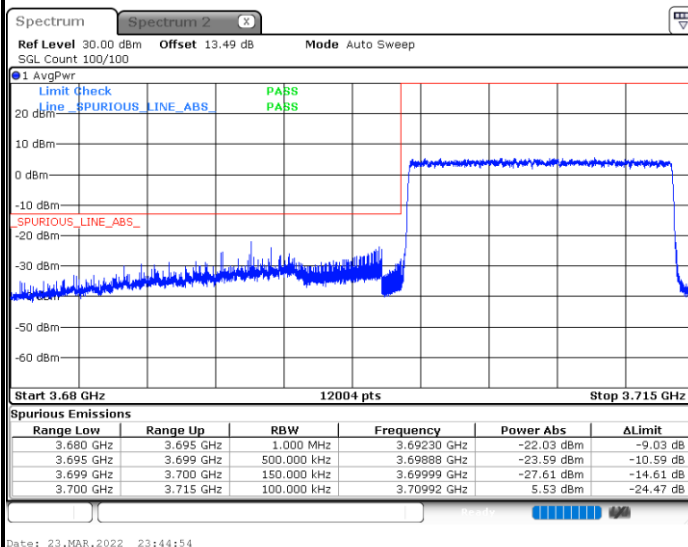
Lowest Band Edge / 1RB0



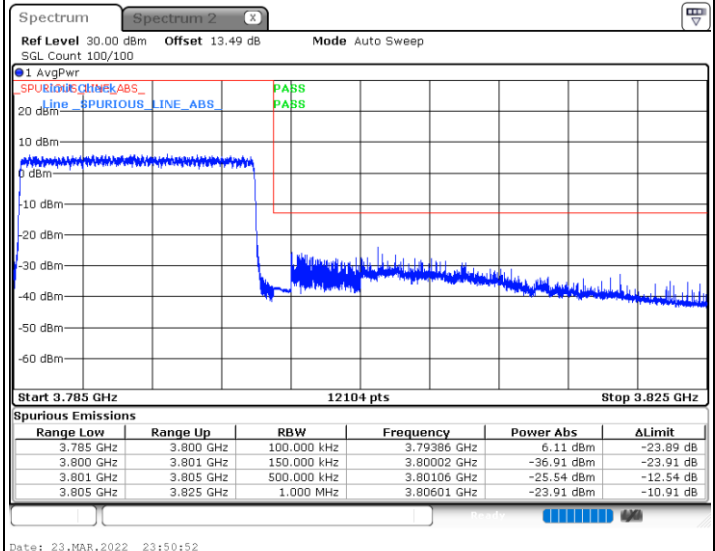
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

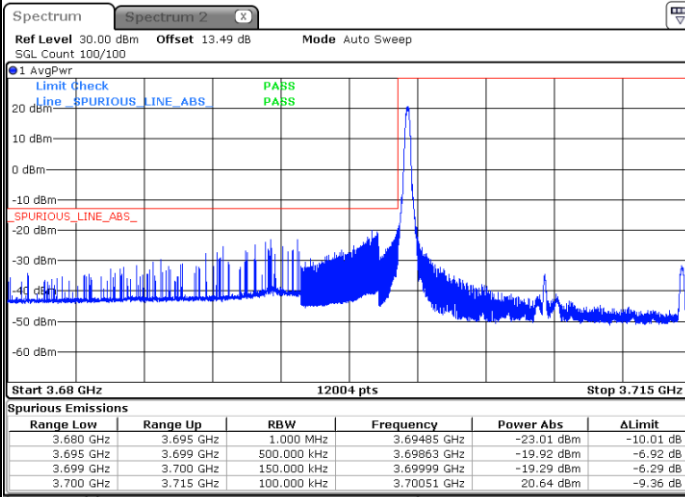




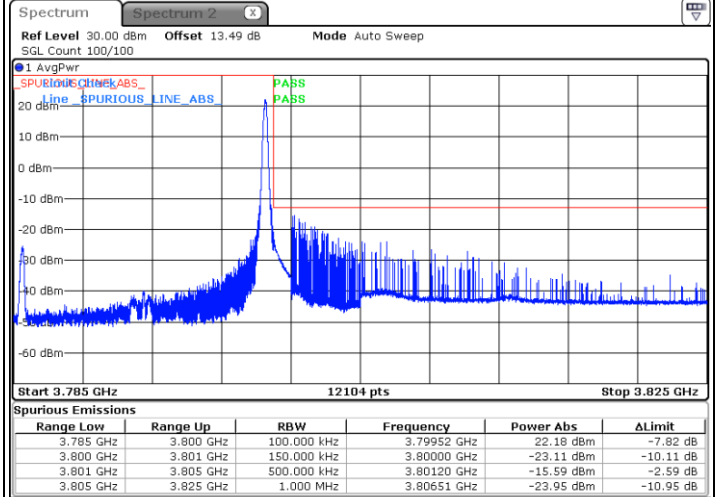
FR1 n78 / 15MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



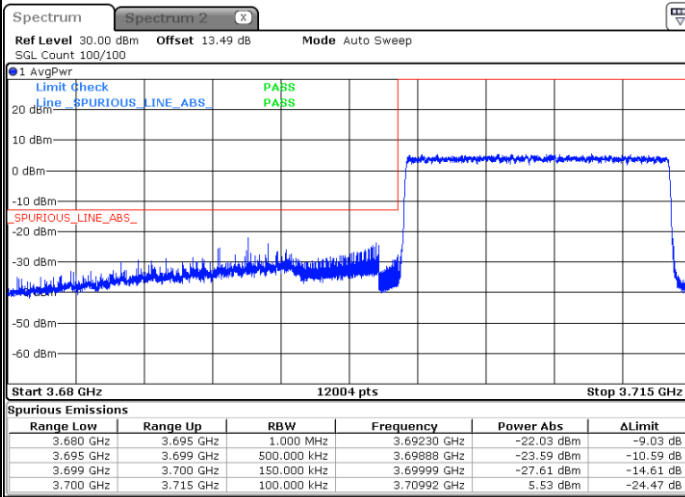
Date: 23.MAR.2022 23:40:46



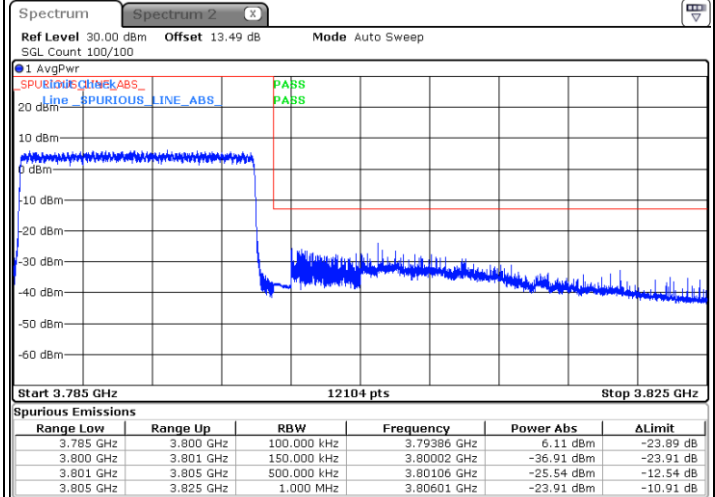
Date: 24.MAR.2022 01:20:14

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.MAR.2022 23:44:54



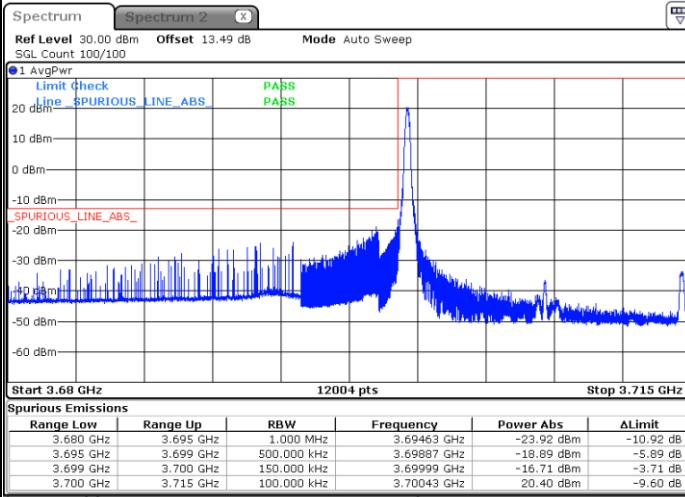
Date: 23.MAR.2022 23:50:52



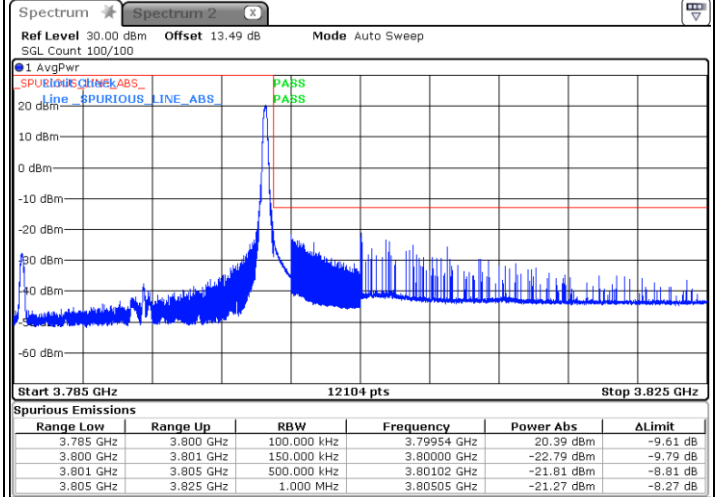
FR1 n78 / 15MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



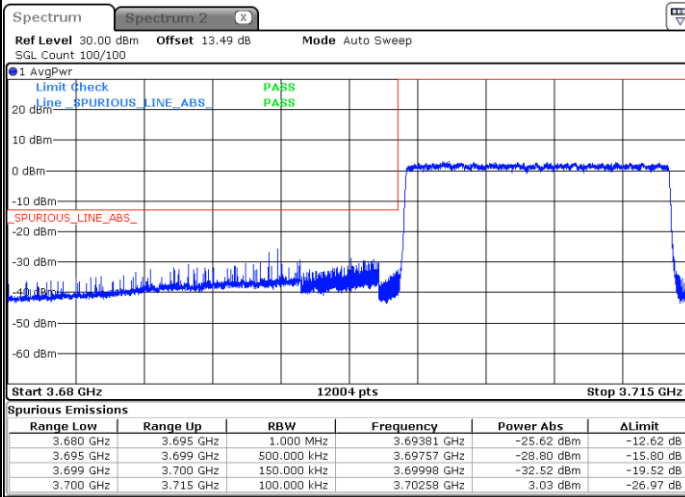
Date: 23.MAR.2022 23:42:27



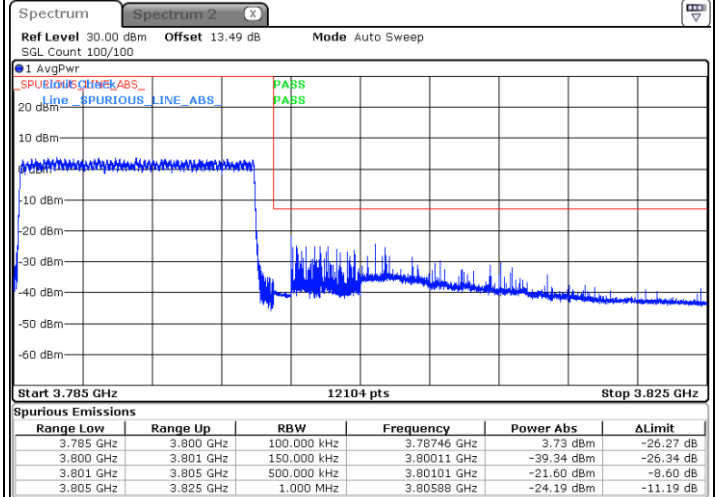
Date: 24.MAR.2022 01:10:46

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.MAR.2022 23:43:32



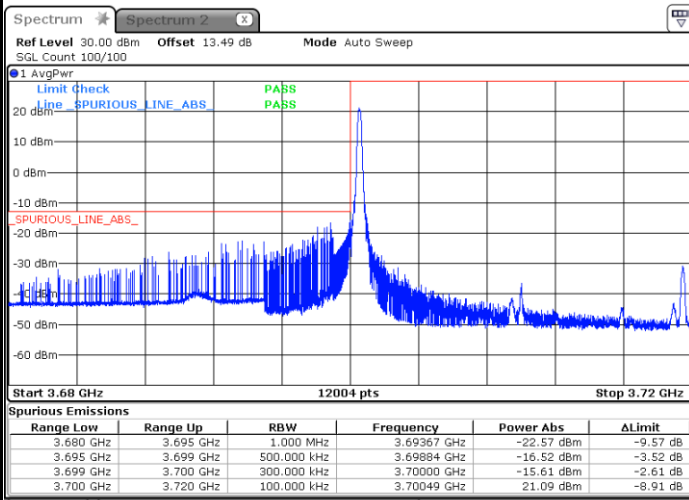
Date: 23.MAR.2022 23:53:44



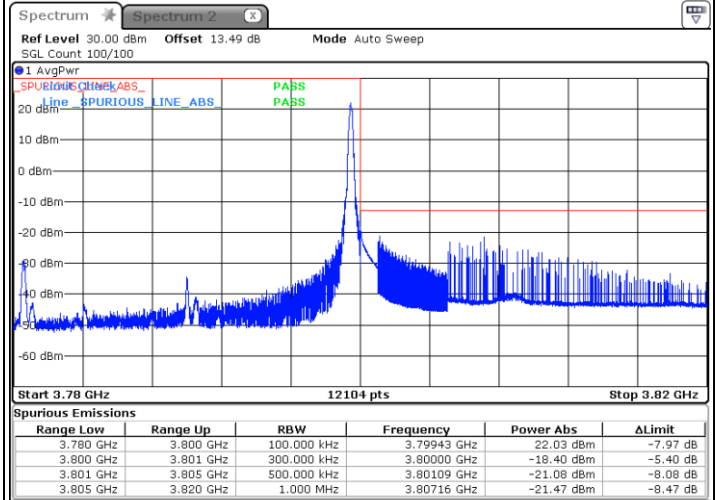
FR1 n78 / 20MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



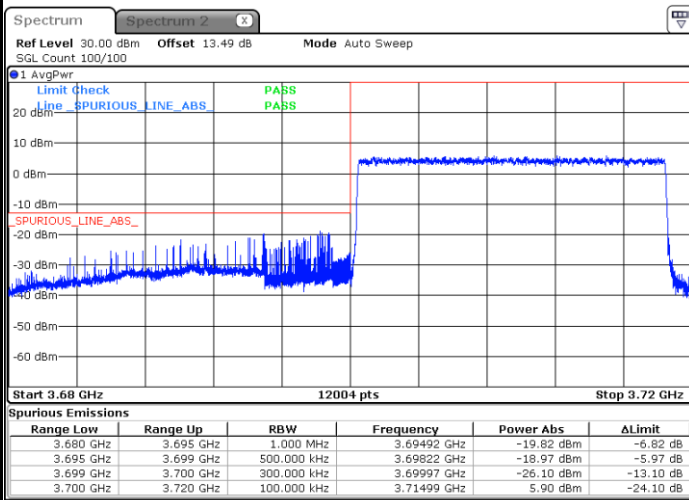
Date: 24.MAR.2022 02:45:20



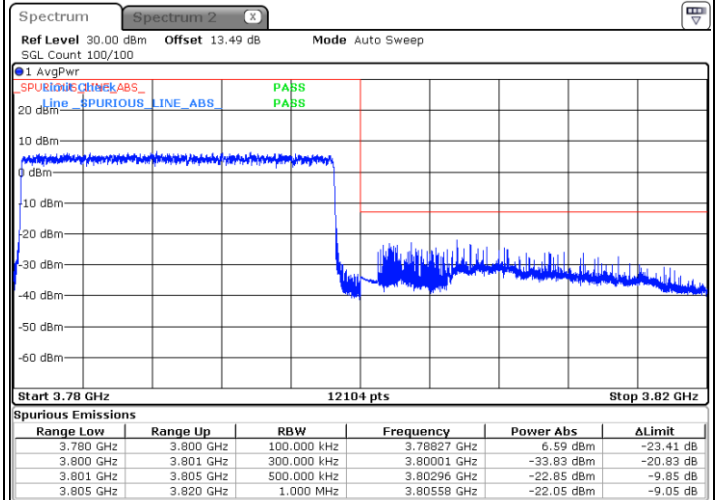
Date: 24.MAR.2022 03:16:52

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 24.MAR.2022 03:01:49



Date: 24.MAR.2022 03:03:13