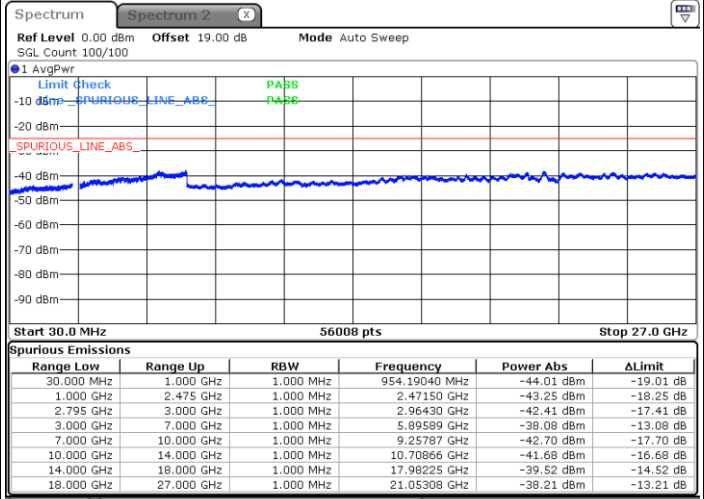
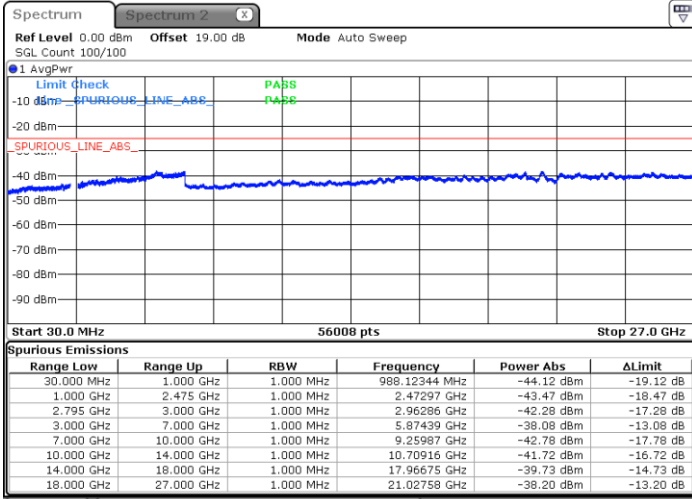




FR1 n41 / 80MHz / CP OFDM / QPSK

Lowest Channel / 1RB1

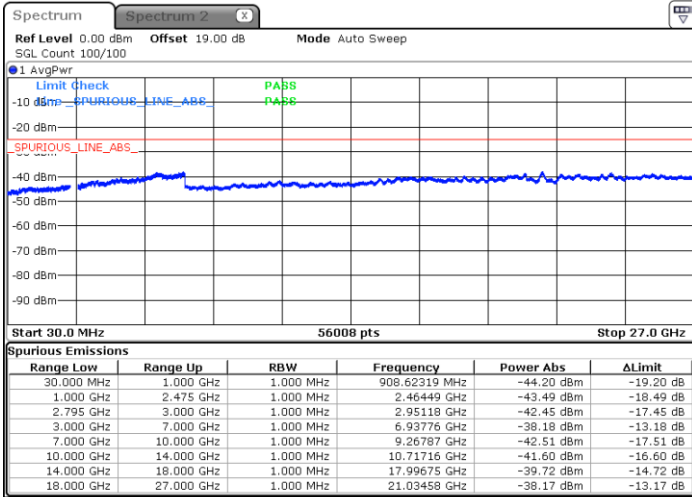
Middle Channel / 1RB1



Date: 9.APR.2021 20:00:26

Date: 9.APR.2021 20:01:17

Highest Channel / 1RB1



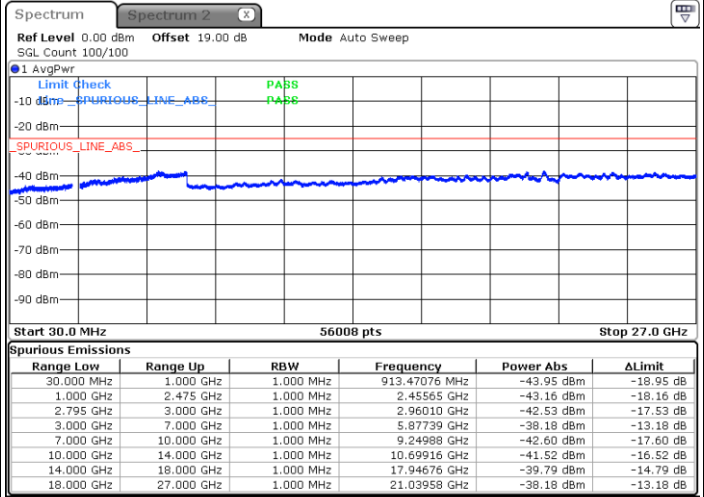
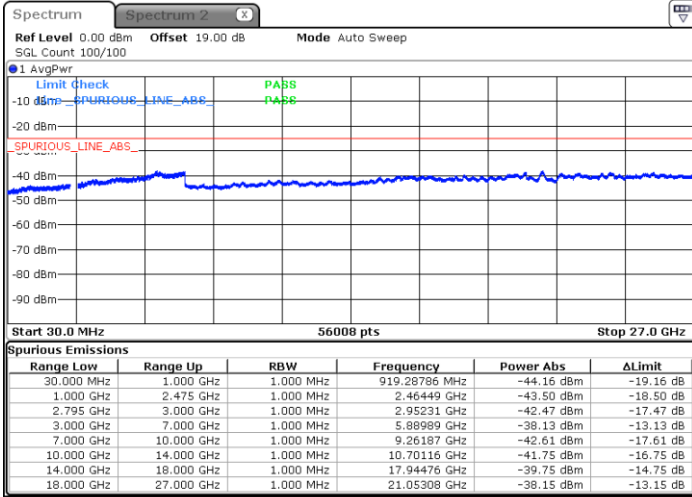
Date: 9.APR.2021 20:02:34



FR1 n41 / 90MHz / CP OFDM / QPSK

Lowest Channel / 1RB1

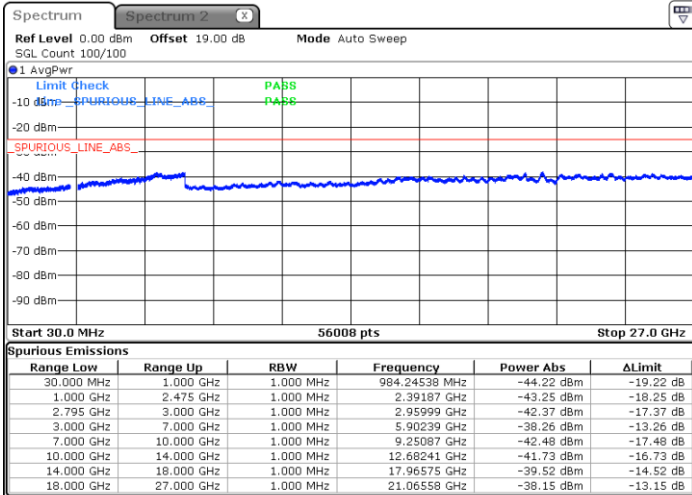
Middle Channel / 1RB1



Date: 9.APR.2021 20:04:00

Date: 9.APR.2021 20:06:34

Highest Channel / 1RB1



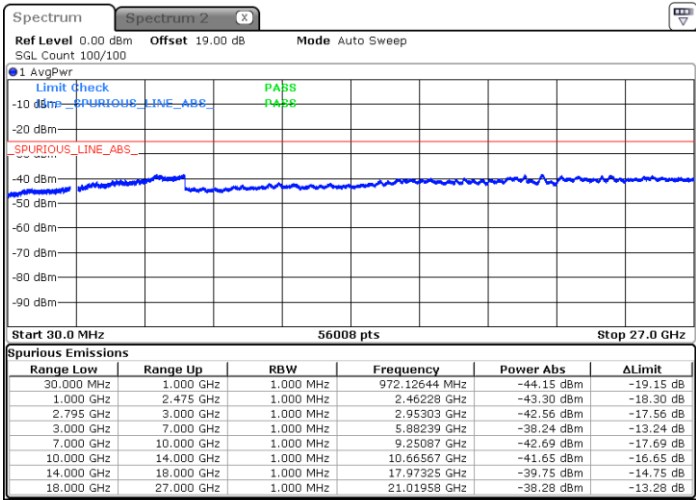
Date: 9.APR.2021 20:08:12



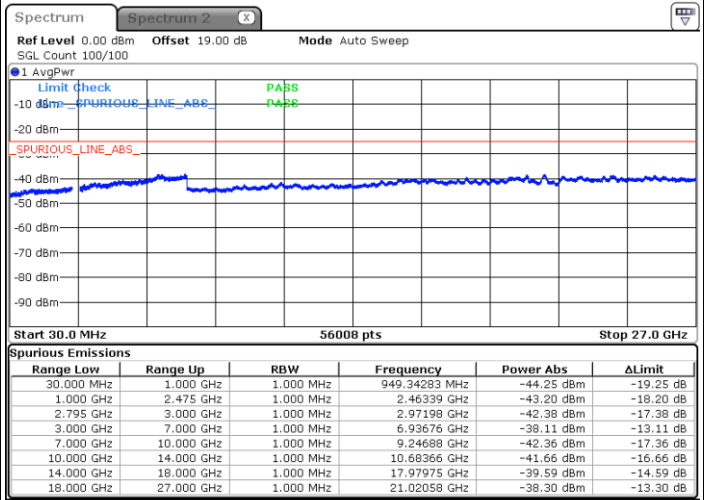
FR1 n41 / 100MHz / CP OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

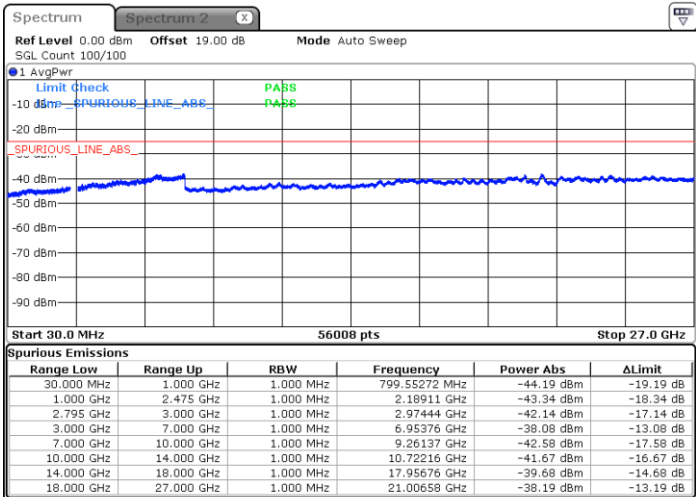


Date: 9.APR.2021 20:09:45



Date: 9.APR.2021 20:10:53

Highest Channel / 1RB1



Date: 9.APR.2021 20:11:50



Frequency Stability

Test Conditions		FR1 n41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 100MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0022	
20	Battery End Point	0.0016	

Note:

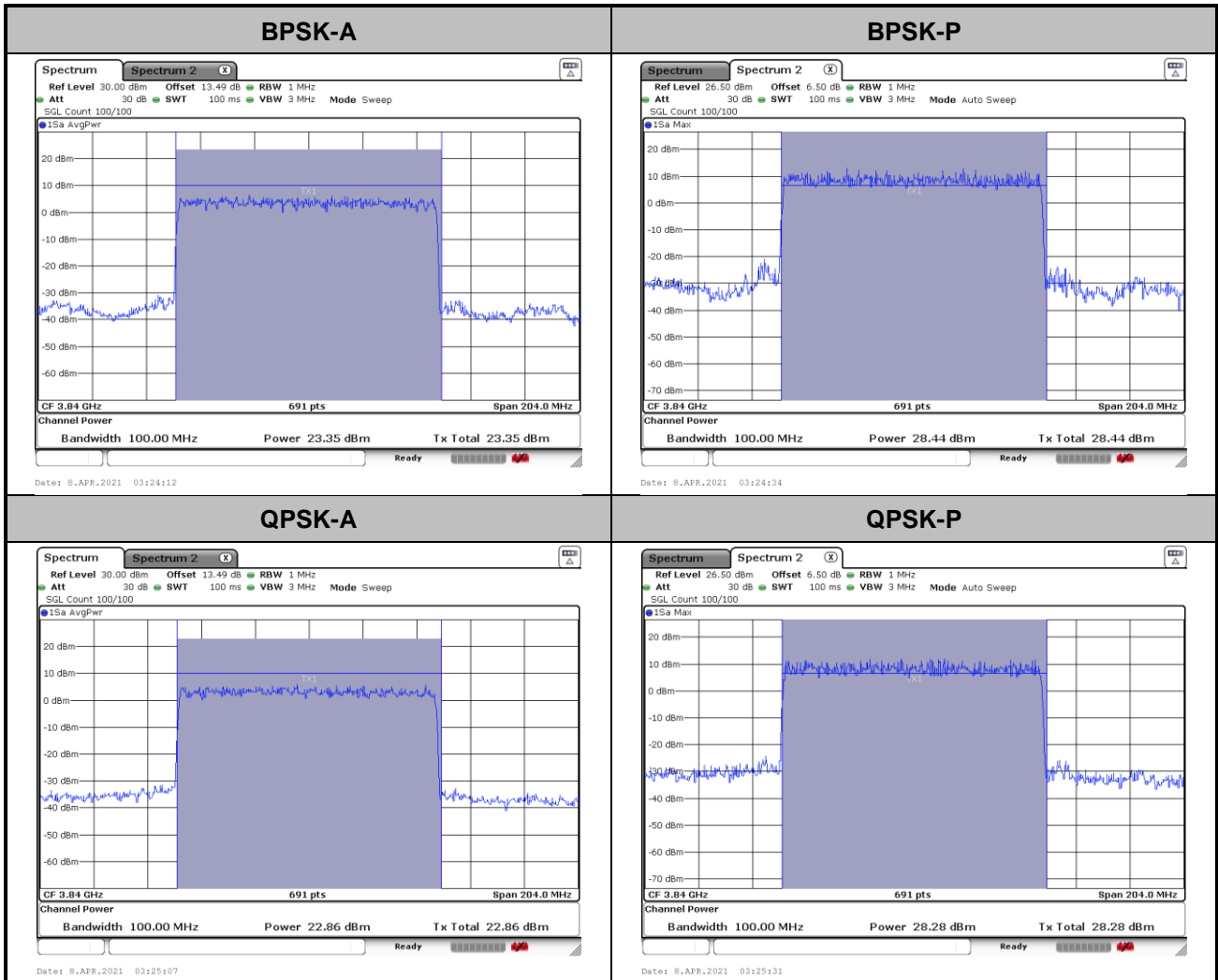
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.30 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

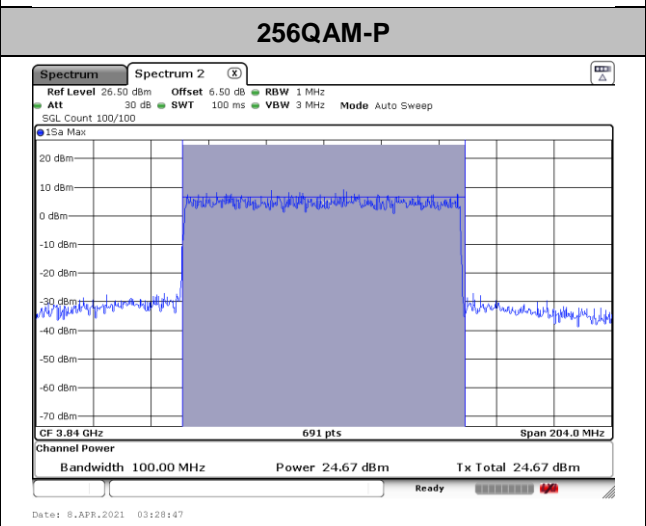
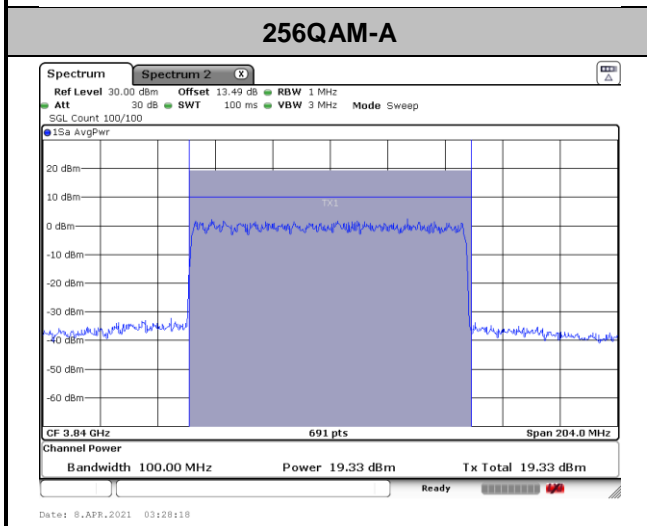
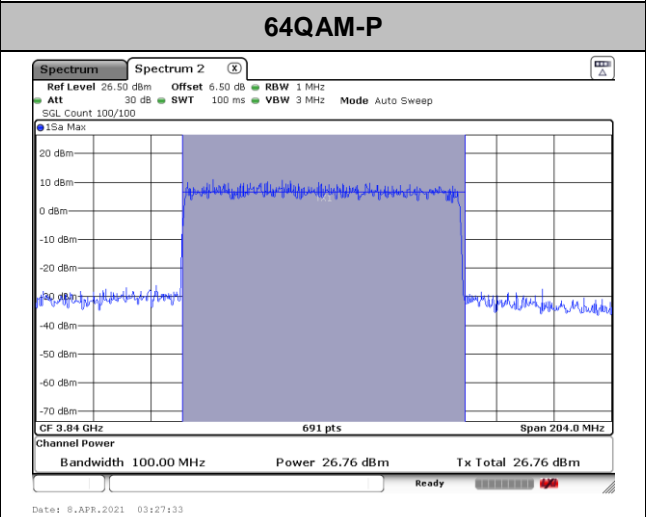
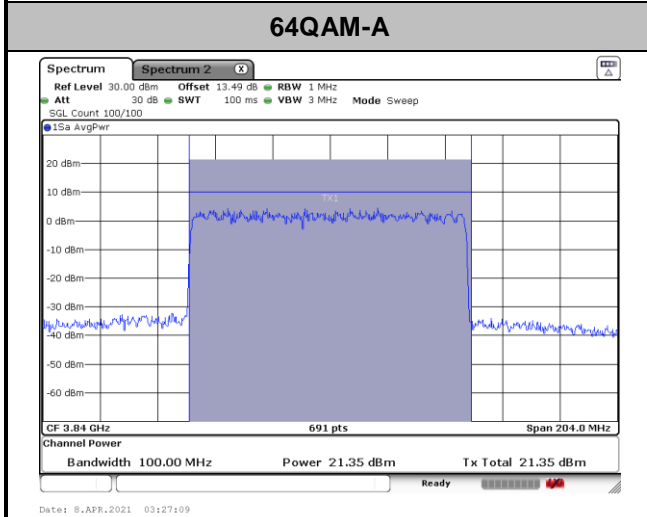
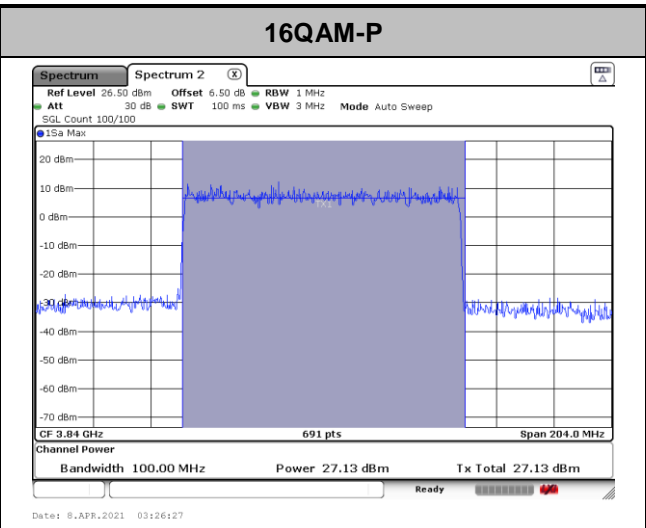
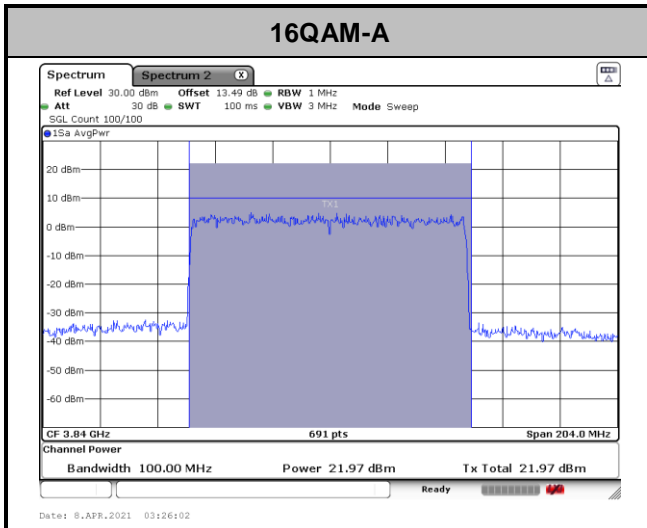


# 5G NR n77 SA

## Peak-to-Average Ratio

Mode	FR1 n71 / 100MHz / DFT-S OFDM				Limit: 13dB
Mod.	100M				
RB Size	BPSK	QPSK	16QAM	64QAM	Result
Middle CH	5.09	5.42	5.16	5.41	PASS
RB Size	256QAM				
Middle CH	5.34				

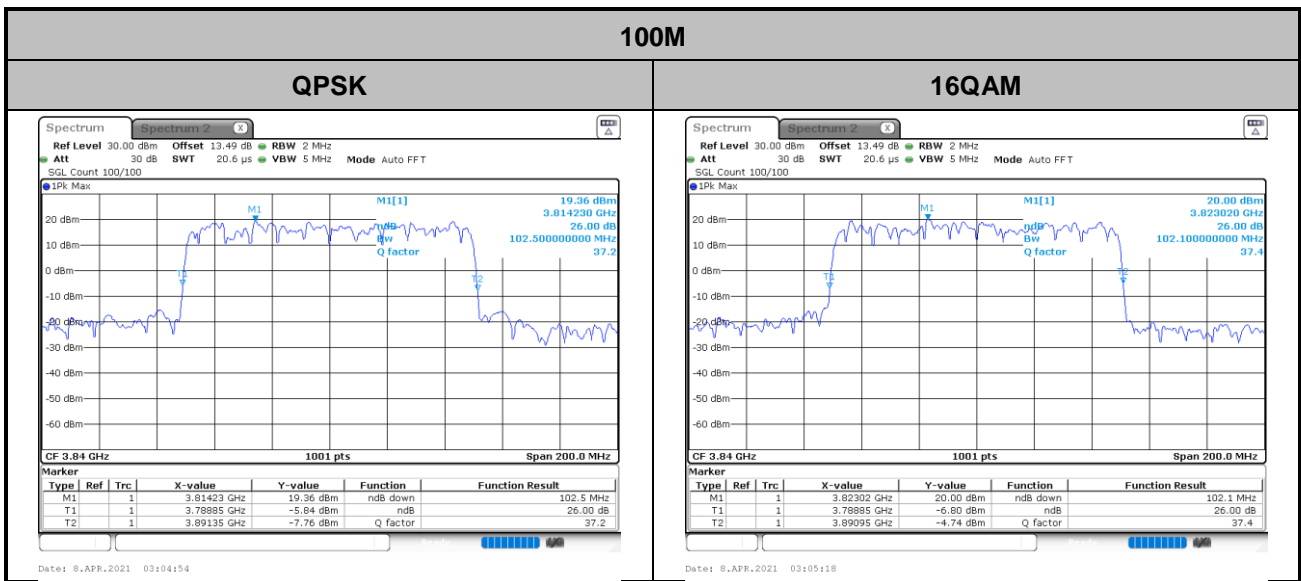






## 26dB Bandwidth

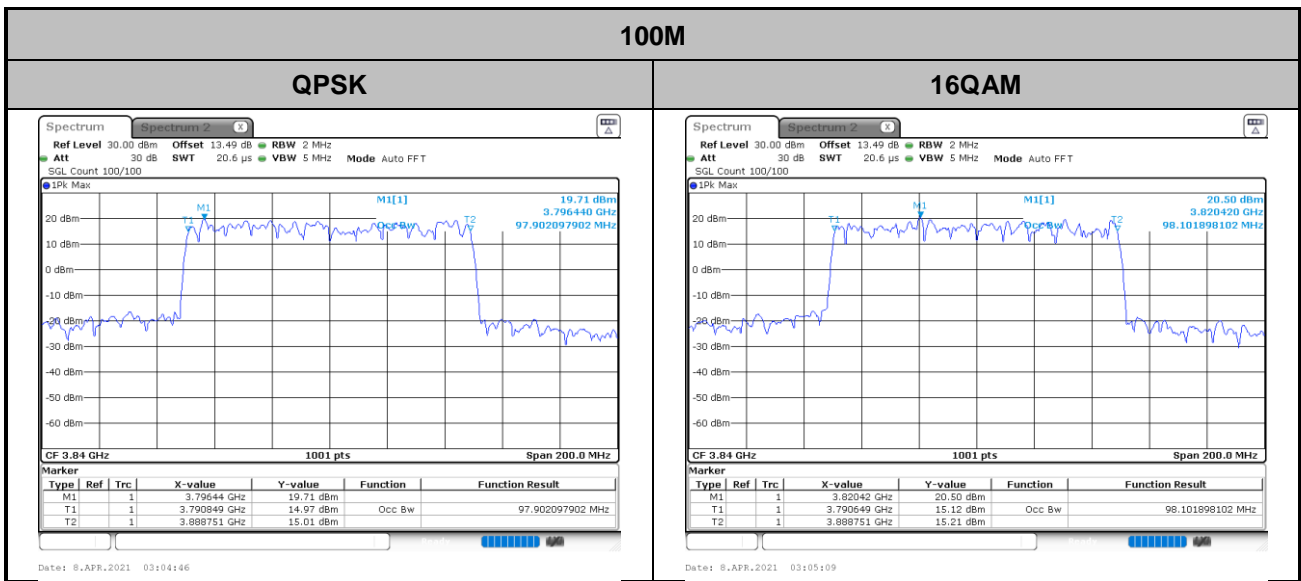
Mode	FR1 n77 : 26dB BW(MHz) / DFT-S OFDM	
BW	100M	
Mod.	QPSK	16QAM
Middle CH	102.5	102.1





# Occupied Bandwidth

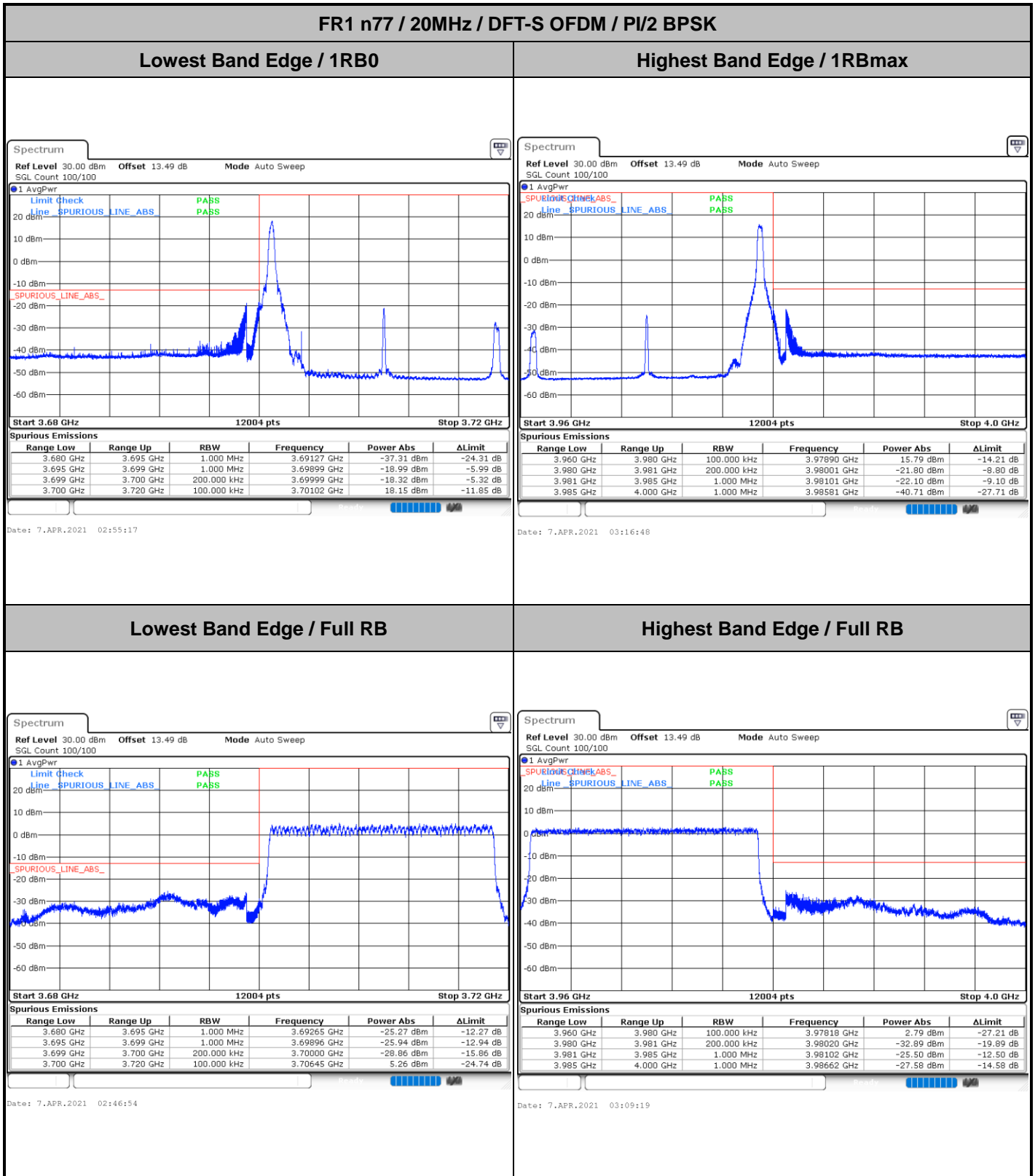
Mode	FR1 n77: OB BW(MHz) / DFT-S OFDM	
BW	100M	
Mod.	QPSK	16QAM
Middle CH	97.90	98.10







# Conducted Band Edge

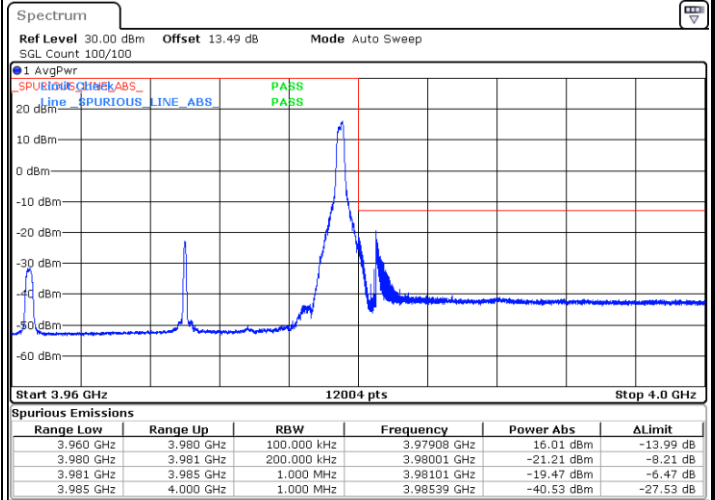
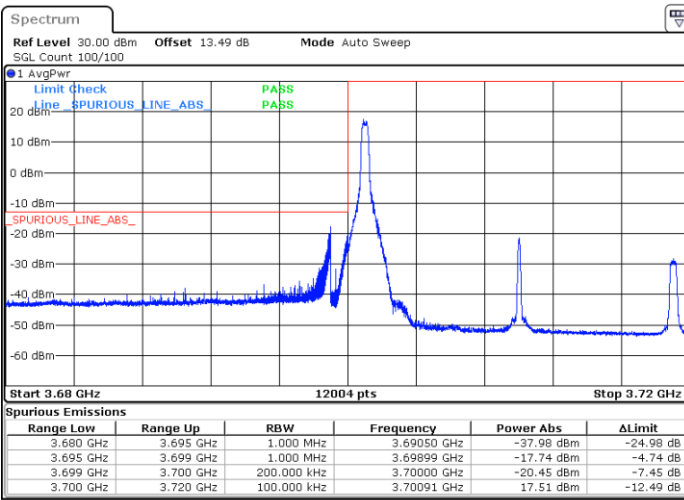




FR1 n77 / 20MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

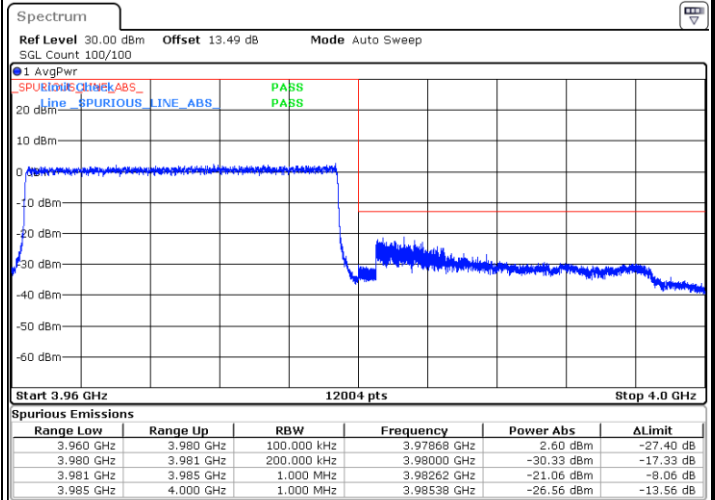
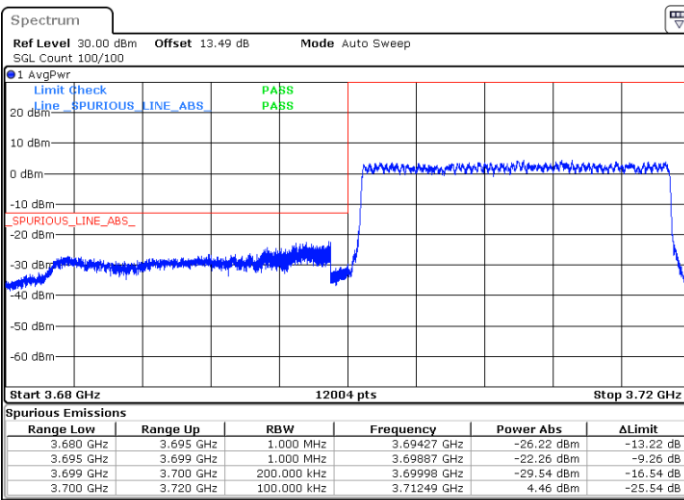


Date: 7.APR.2021 02:54:18

Date: 7.APR.2021 03:15:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7.APR.2021 02:48:56

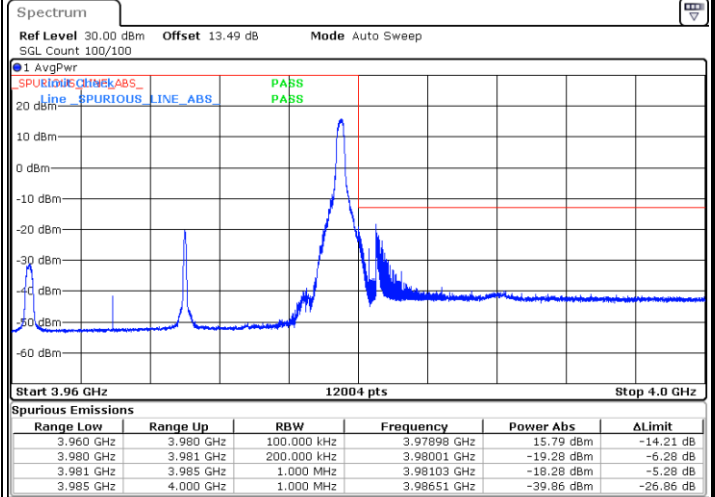
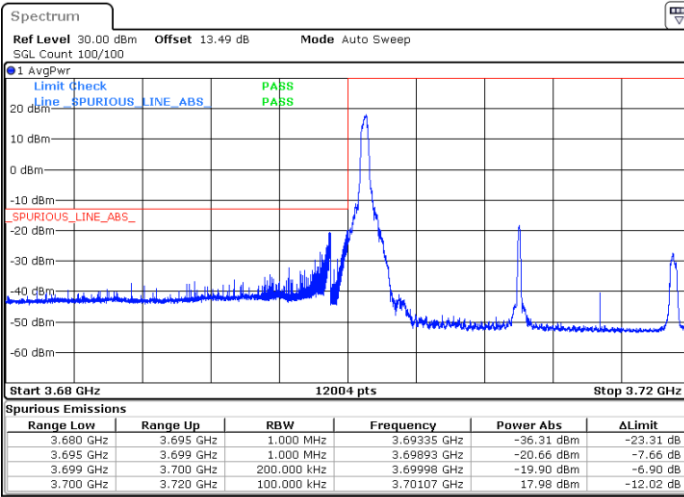
Date: 7.APR.2021 03:09:57



FR1 n77 / 20MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

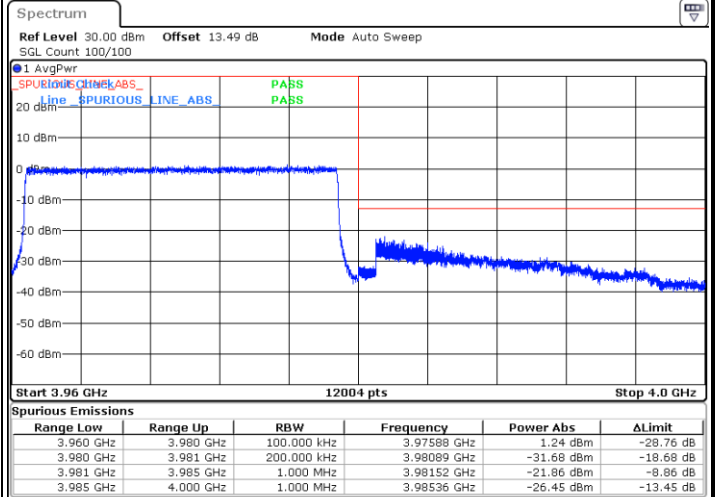
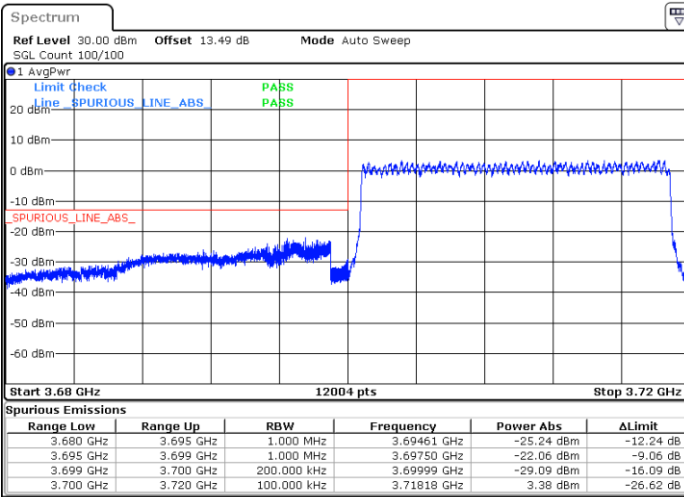


Date: 7.APR.2021 02:53:38

Date: 7.APR.2021 03:15:13

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



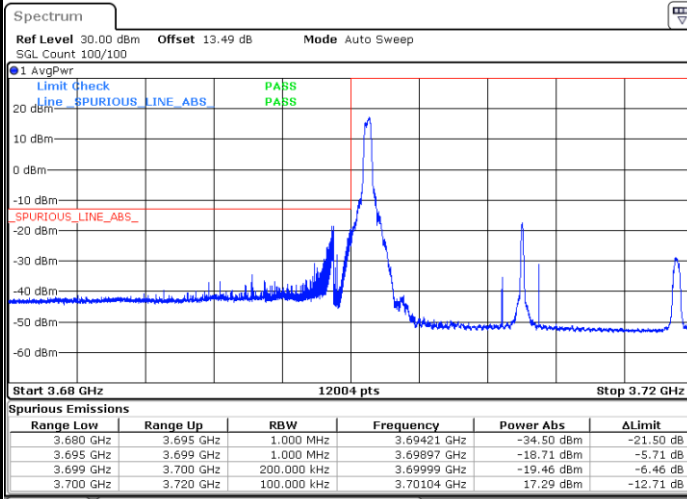
Date: 7.APR.2021 02:49:54

Date: 7.APR.2021 03:10:35



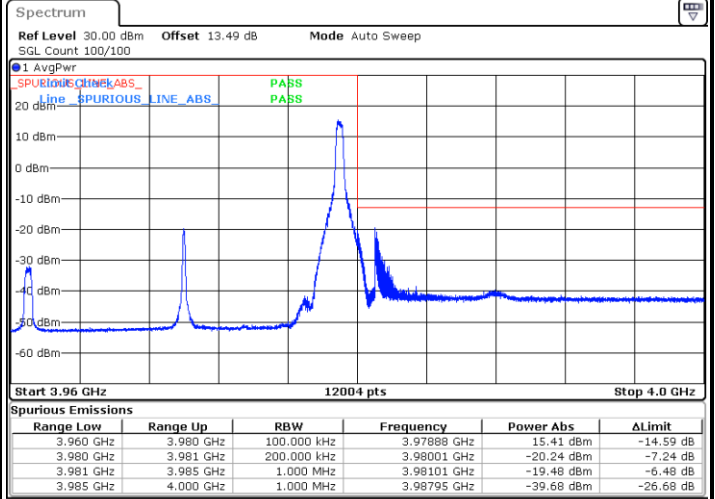
FR1 n77 / 20MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0



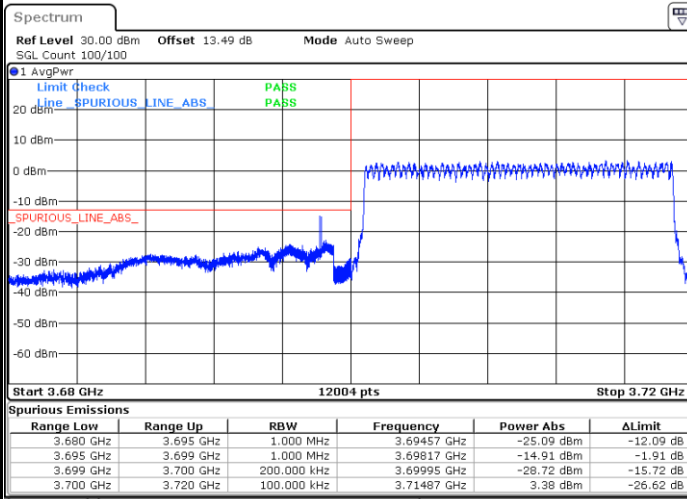
Date: 7.APR.2021 02:53:00

Highest Band Edge / 1RB24



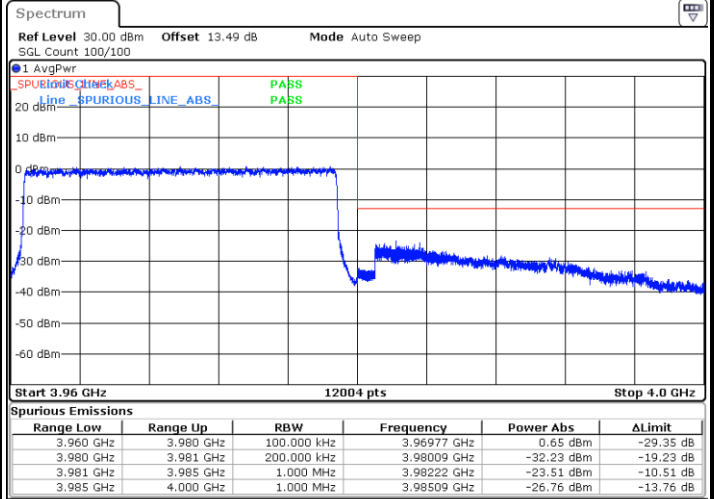
Date: 7.APR.2021 03:14:33

Lowest Band Edge / Full RB



Date: 7.APR.2021 02:50:38

Highest Band Edge / Full RB

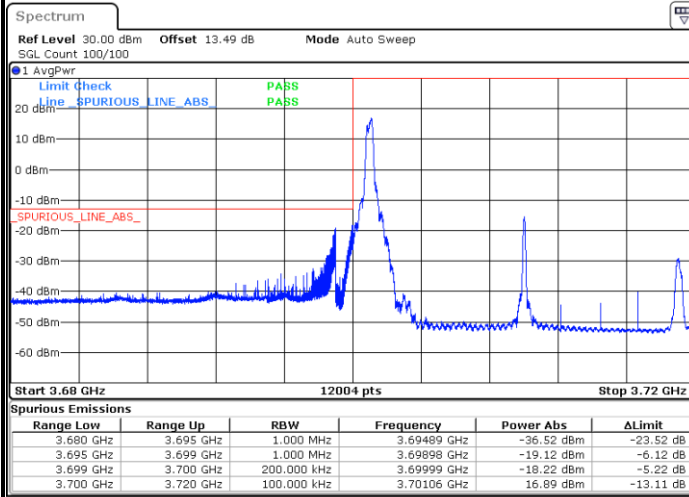


Date: 7.APR.2021 03:11:20



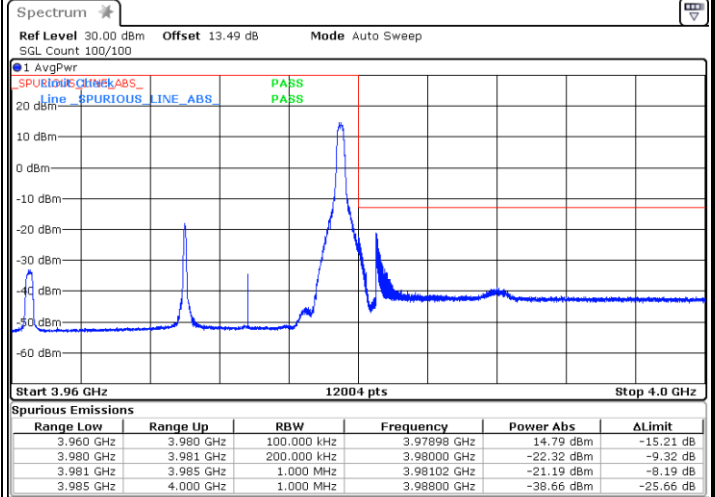
FR1 n77 / 20MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0



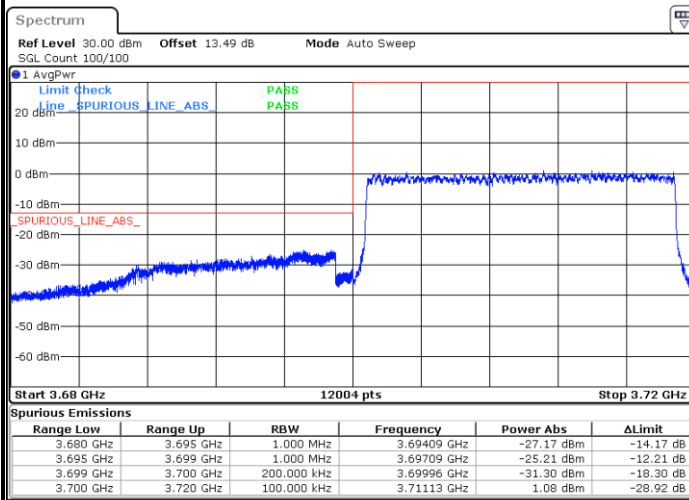
Date: 7.APR.2021 02:52:18

Highest Band Edge / 1RB24



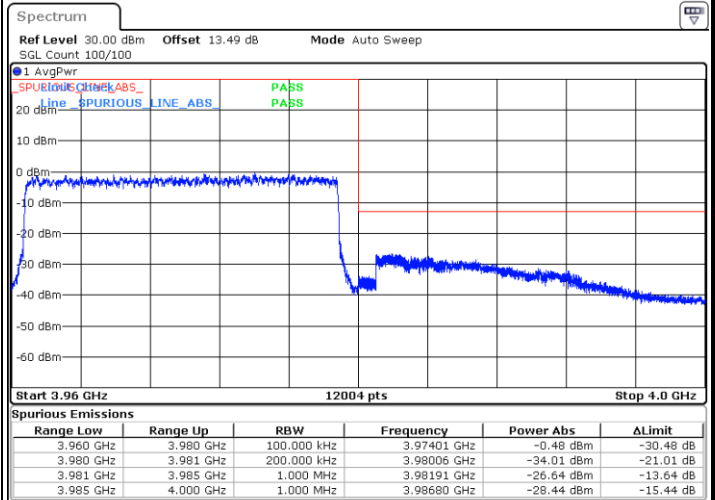
Date: 7.APR.2021 03:13:55

Lowest Band Edge / Full RB



Date: 7.APR.2021 02:51:38

Highest Band Edge / Full RB



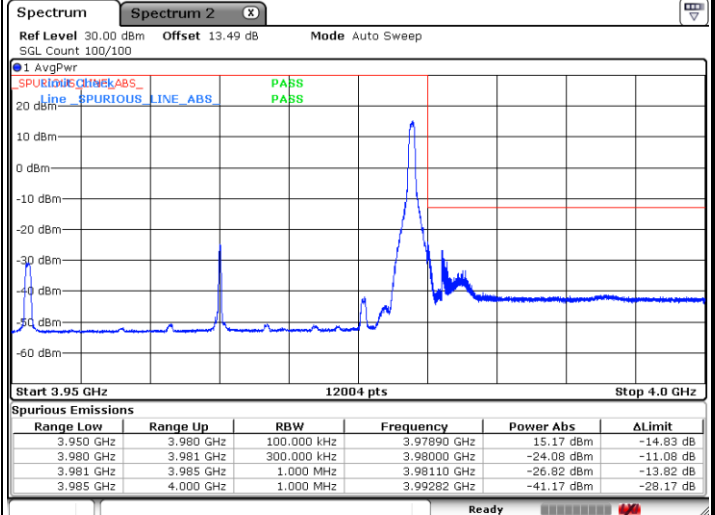
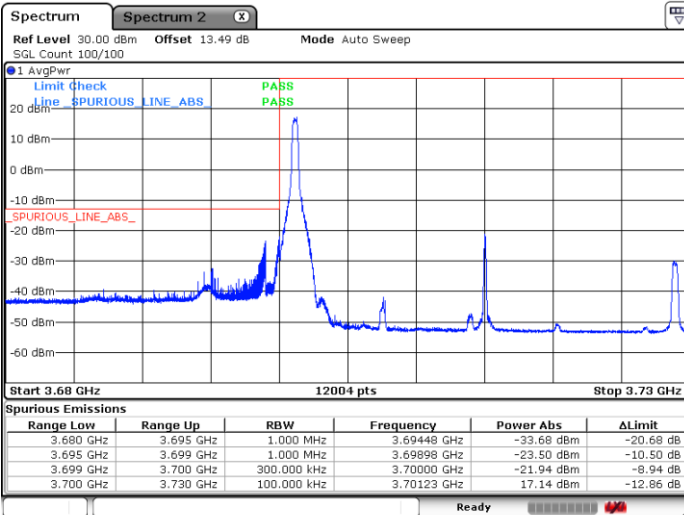
Date: 7.APR.2021 03:12:22



FR1 n77/ 30MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

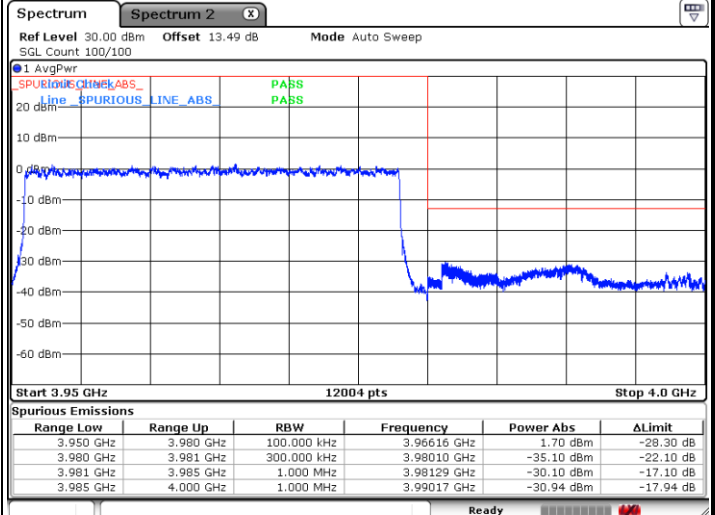
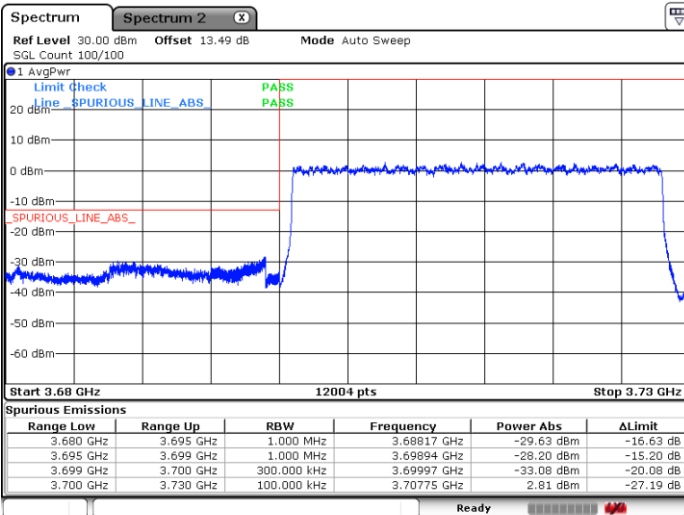


Date: 8.APR.2021 04:34:52

Date: 8.APR.2021 04:51:46

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.APR.2021 04:23:42

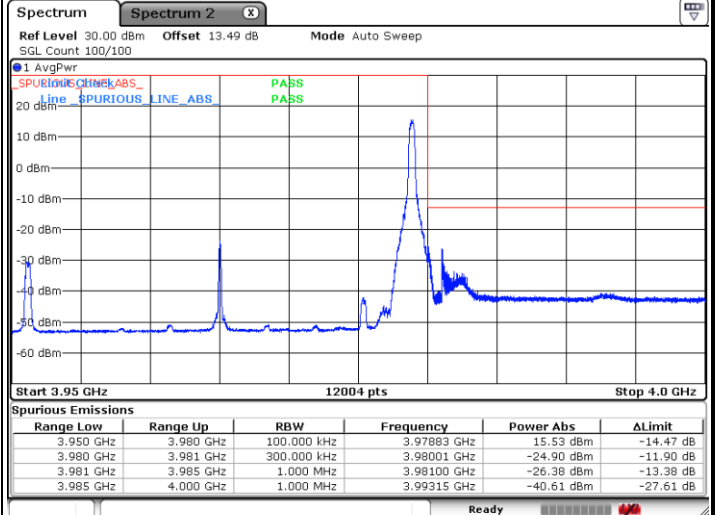
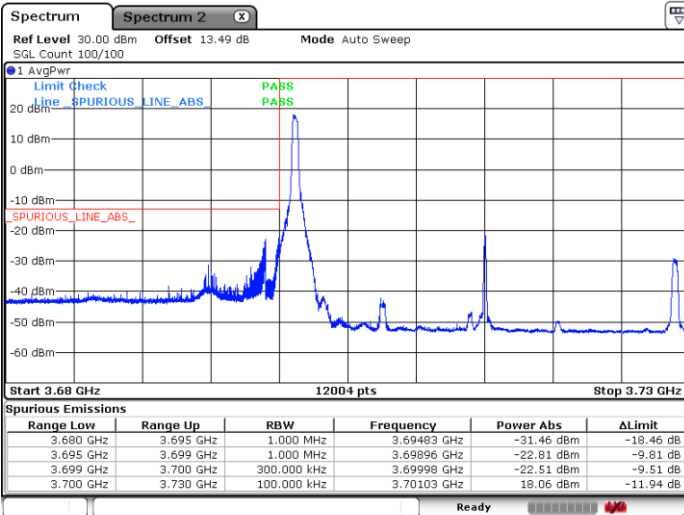
Date: 8.APR.2021 04:44:15



FR1 n77 / 30MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

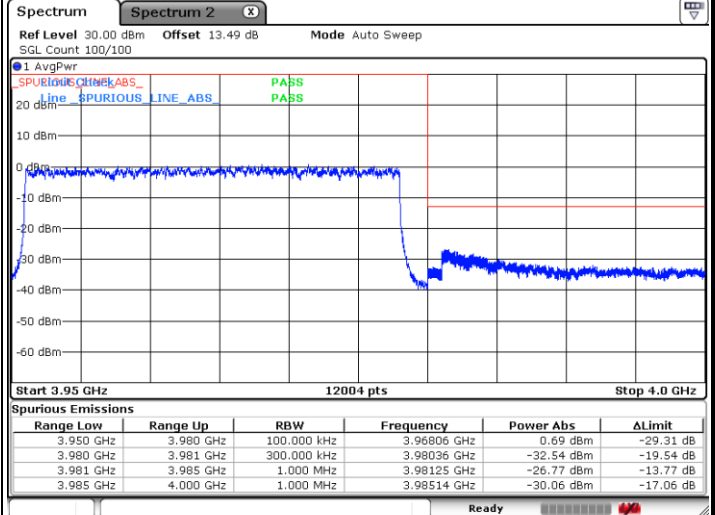
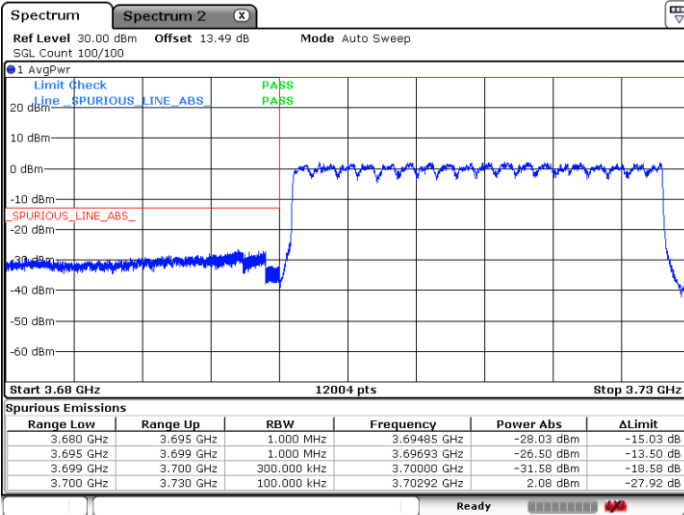


Date: 8.APR.2021 04:33:42

Date: 8.APR.2021 04:50:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.APR.2021 04:24:48

Date: 8.APR.2021 04:45:08

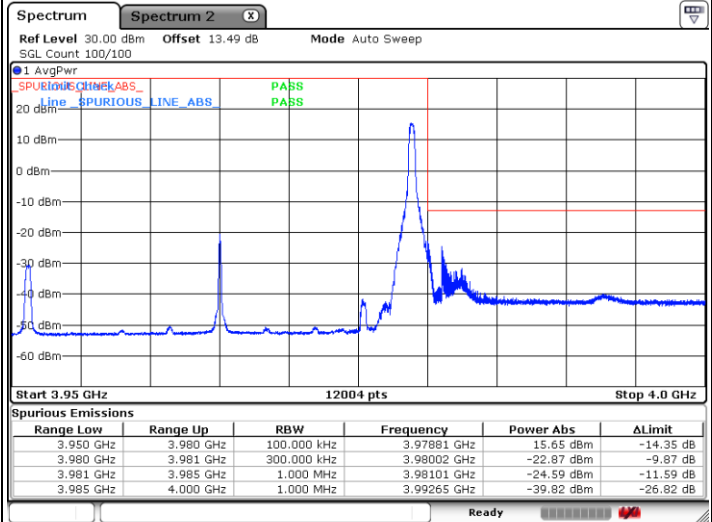
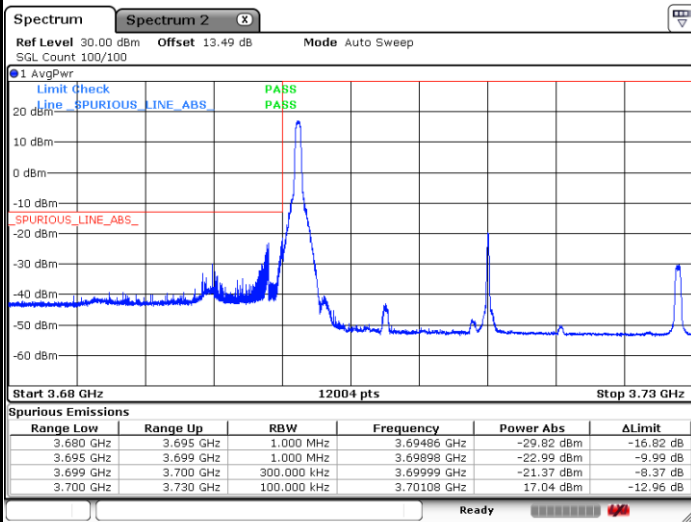




FR1 n77 / 30MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

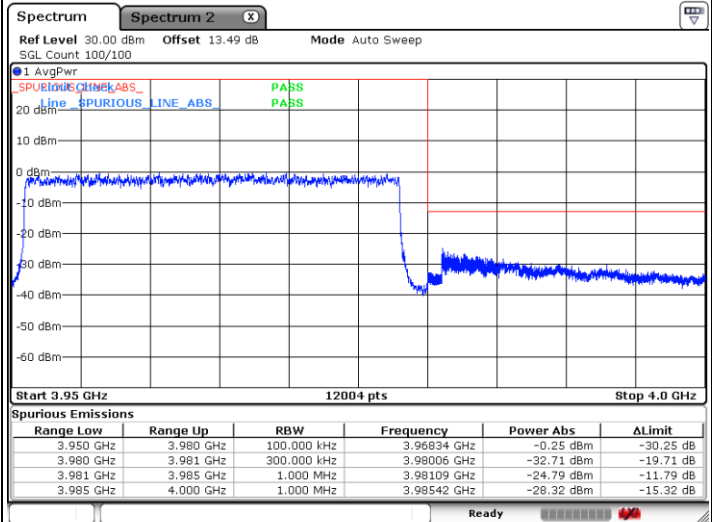
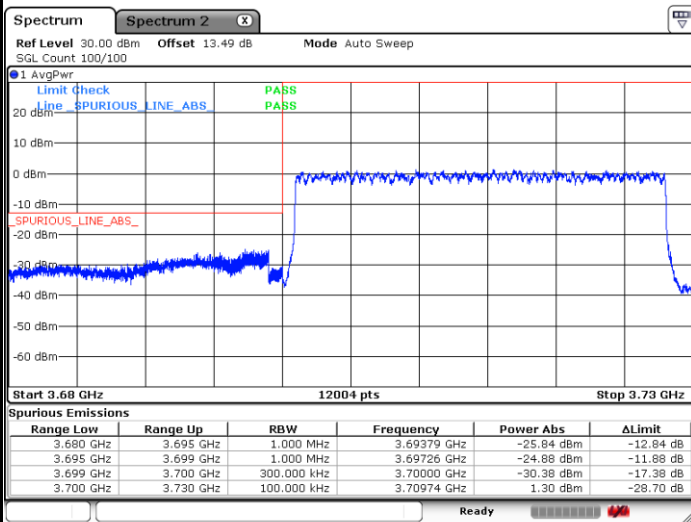


Date: 8.APR.2021 04:32:52

Date: 8.APR.2021 04:50:05

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.APR.2021 04:25:31

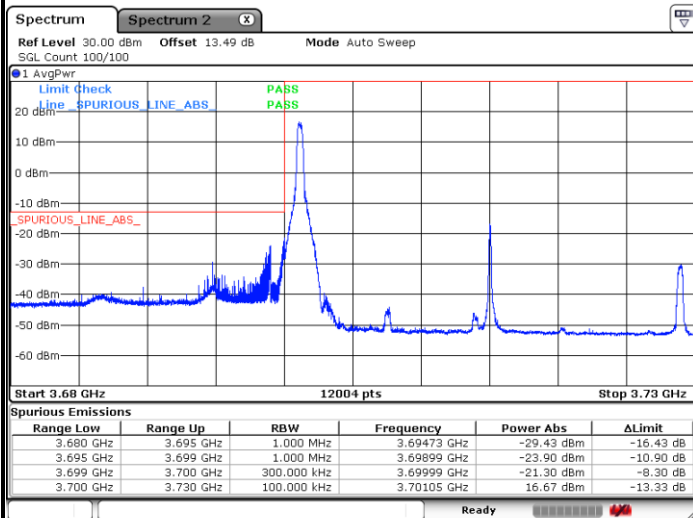
Date: 8.APR.2021 04:45:51





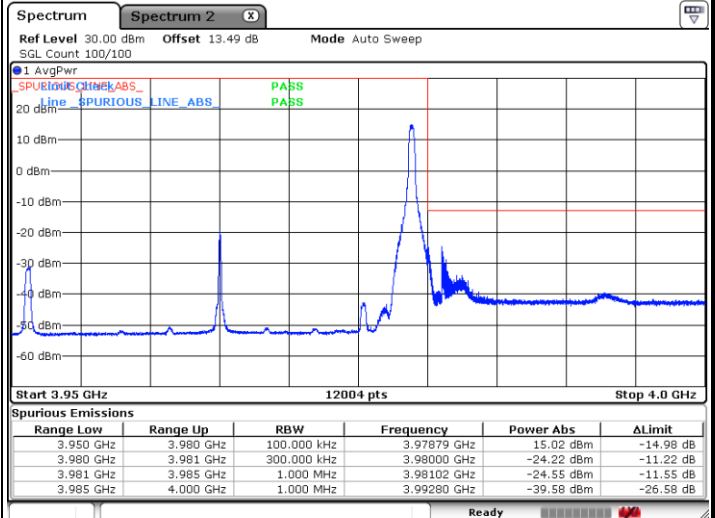
FR1 n77 / 30MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0



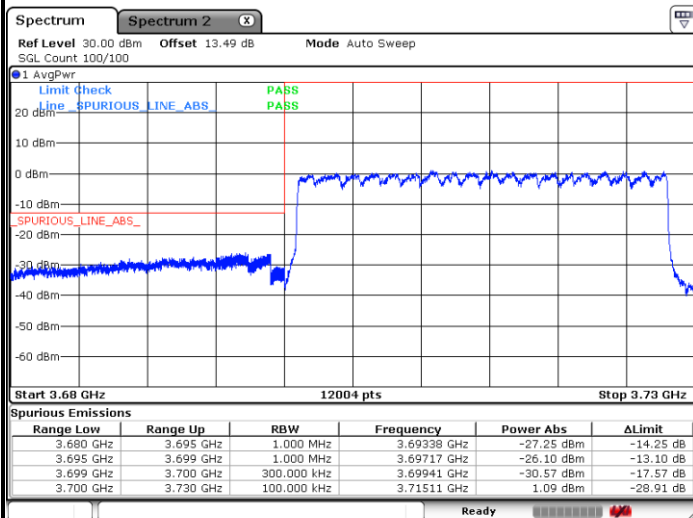
Date: 8.APR.2021 04:31:16

Highest Band Edge / 1RB24



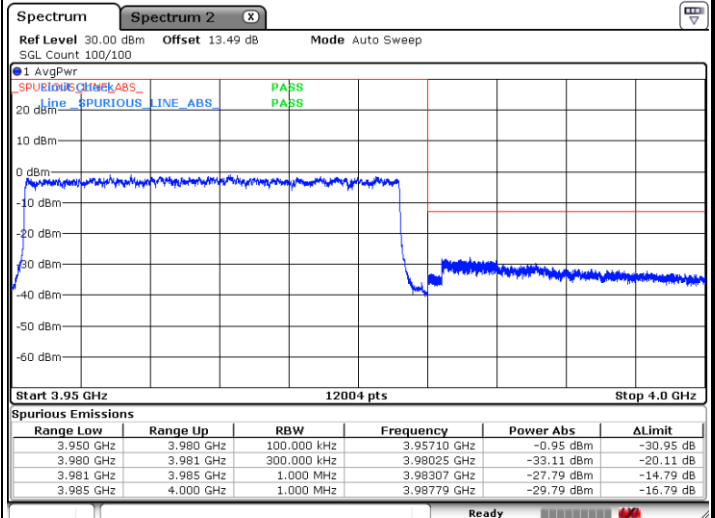
Date: 8.APR.2021 04:49:20

Lowest Band Edge / Full RB



Date: 8.APR.2021 04:26:18

Highest Band Edge / Full RB

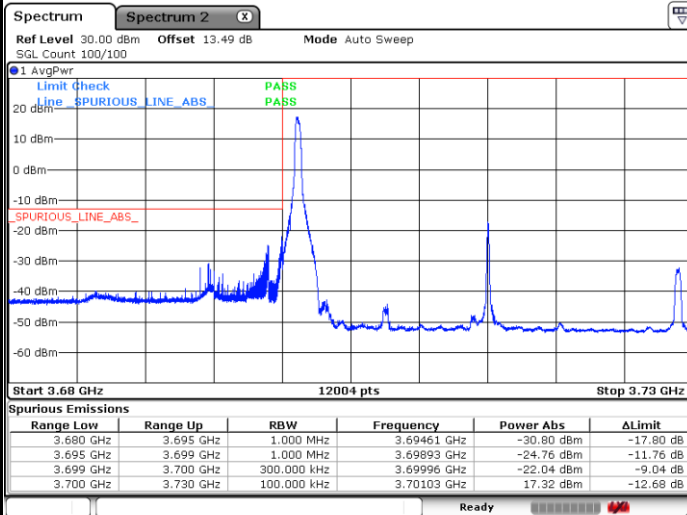


Date: 8.APR.2021 04:46:38



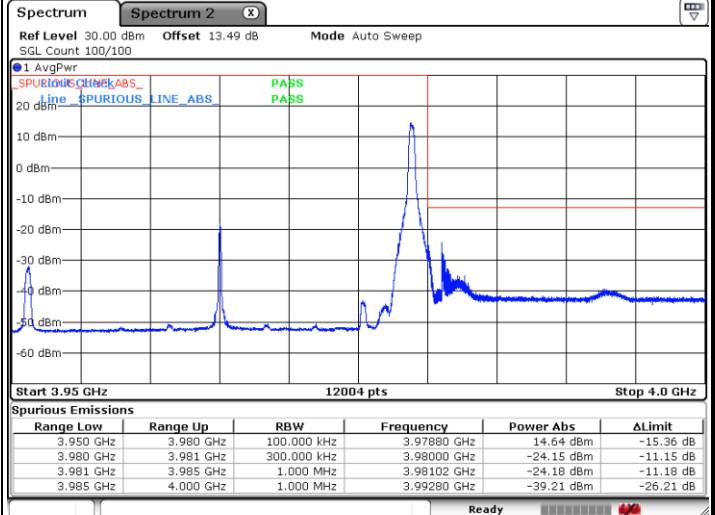
FR1 n77 / 30MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0



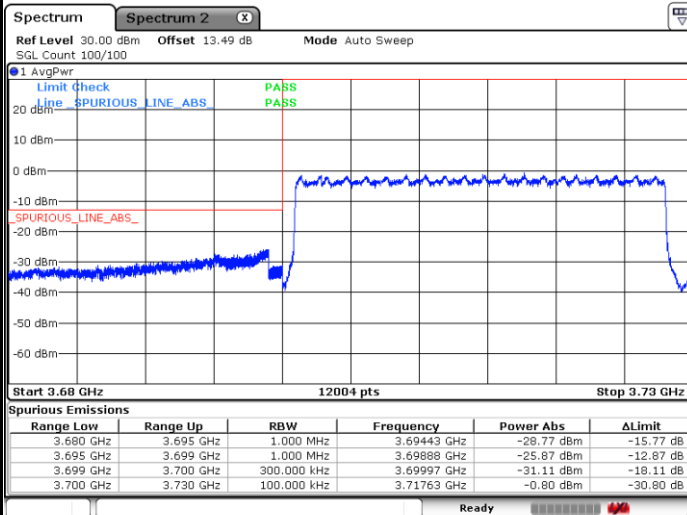
Date: 8.APR.2021 04:30:27

Highest Band Edge / 1RB24



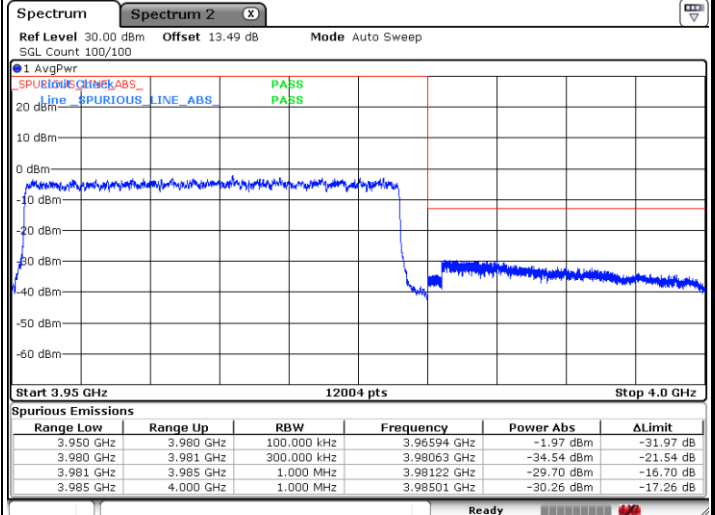
Date: 8.APR.2021 04:46:25

Lowest Band Edge / Full RB



Date: 8.APR.2021 04:28:53

Highest Band Edge / Full RB



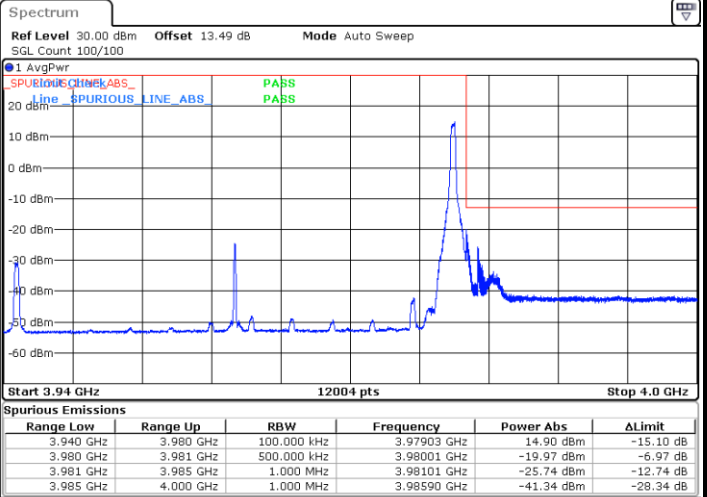
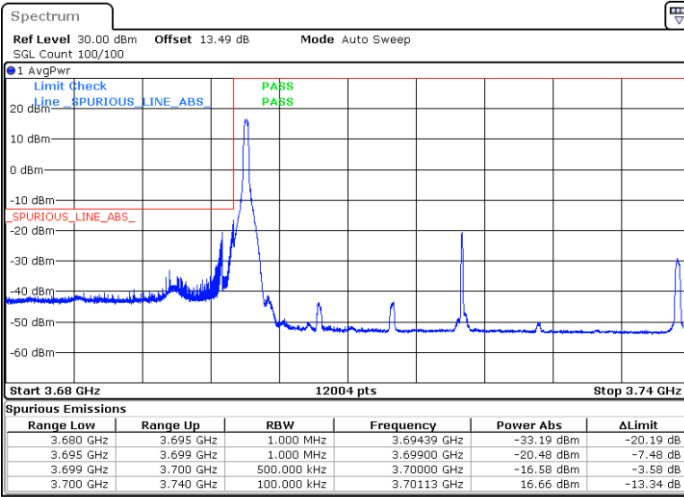
Date: 8.APR.2021 04:47:38



FR1 n77 / 40MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

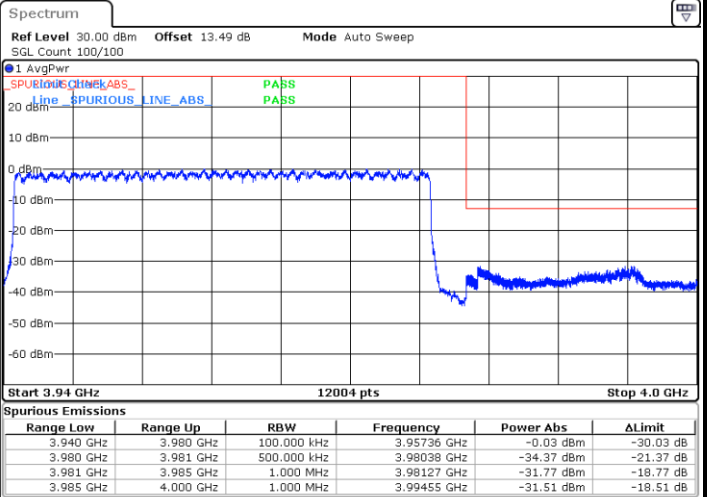
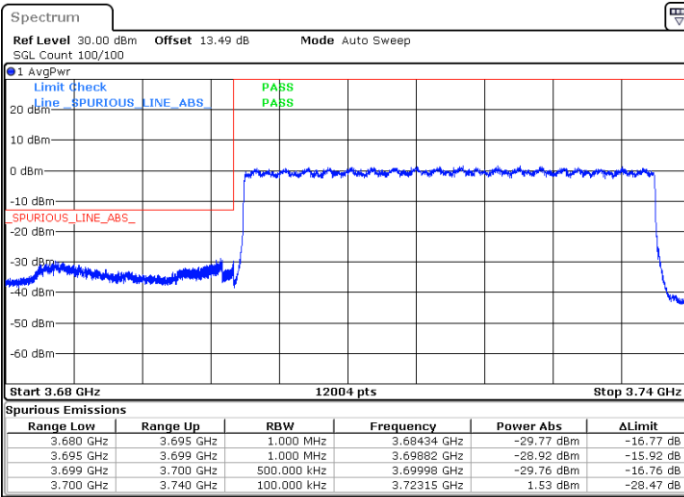


Date: 7.APR.2021 03:53:31

Date: 7.APR.2021 04:58:17

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7.APR.2021 03:46:11

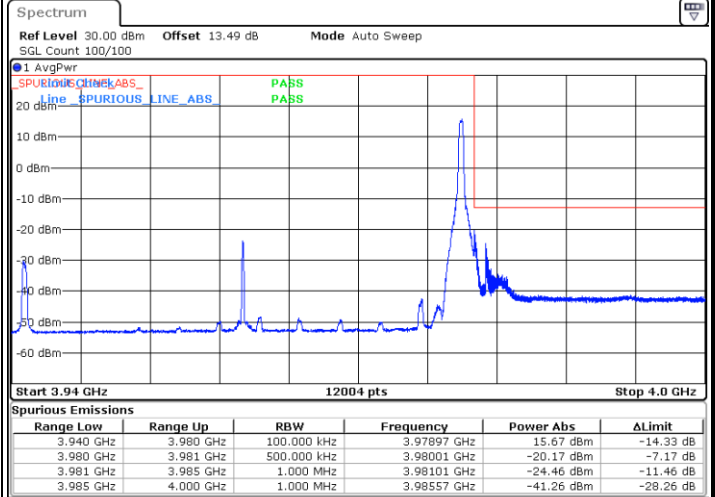
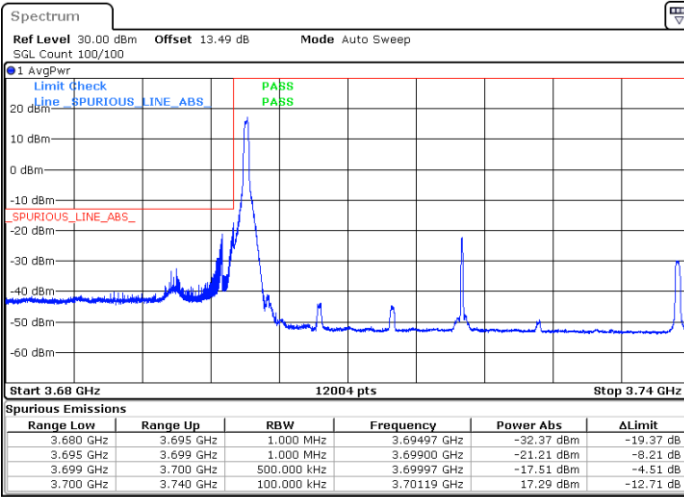
Date: 7.APR.2021 04:51:02



FR1 n77 / 40MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

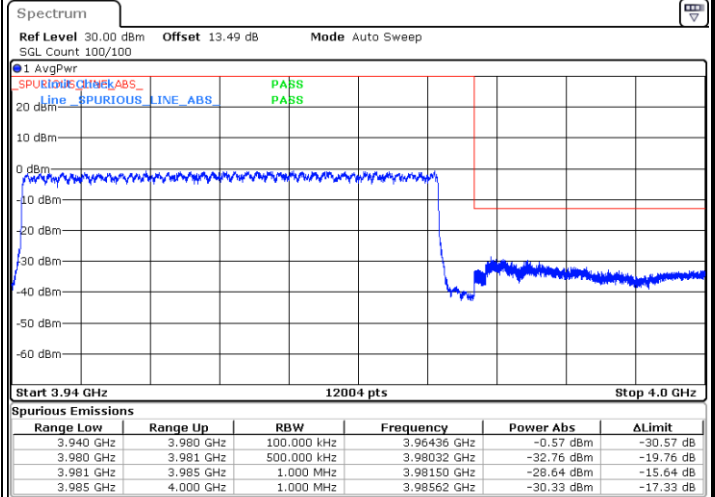
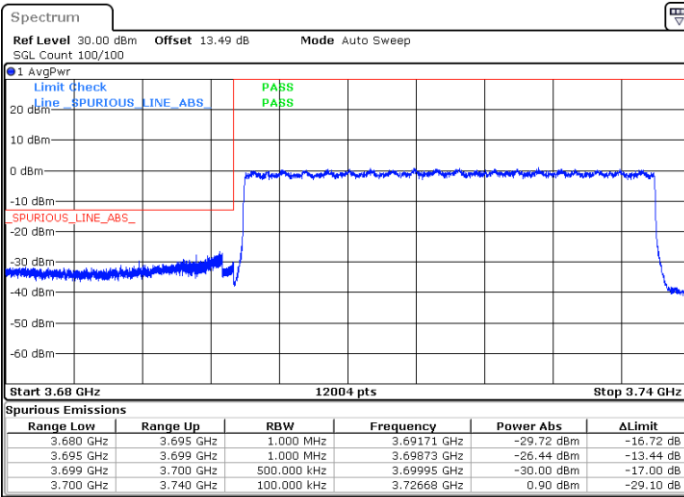


Date: 7.APR.2021 03:52:37

Date: 7.APR.2021 04:57:17

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7.APR.2021 03:46:53

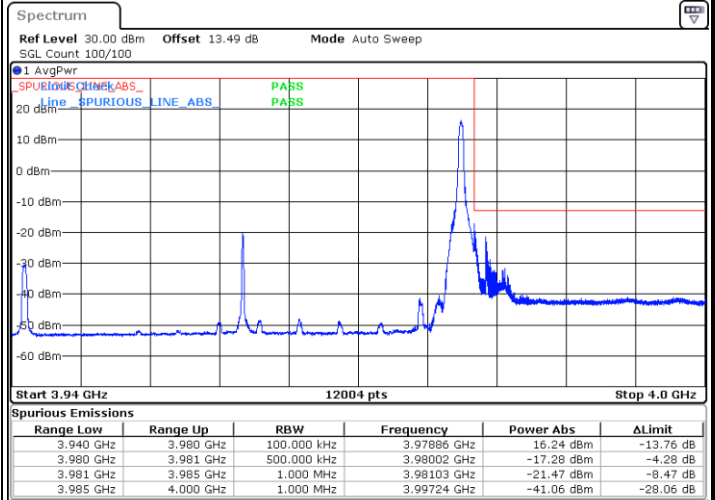
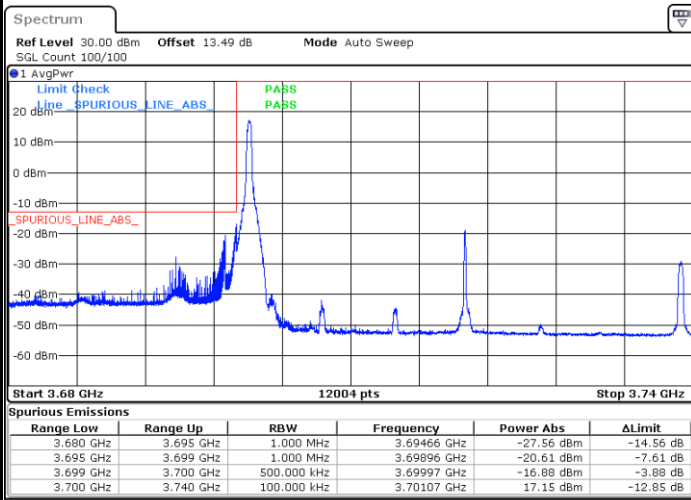
Date: 7.APR.2021 04:51:41



FR1 n77 / 40MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

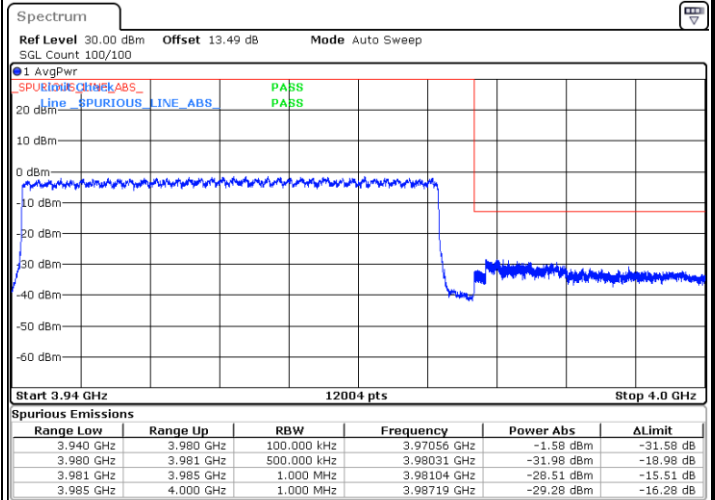
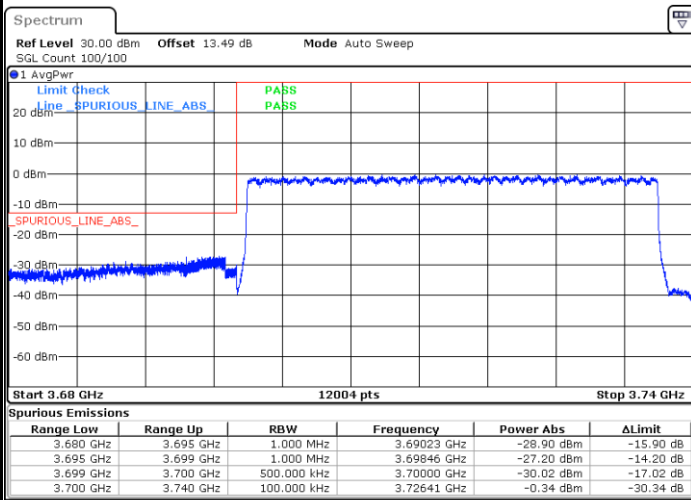


Date: 7.APR.2021 03:51:57

Date: 7.APR.2021 04:55:59

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7.APR.2021 03:47:34

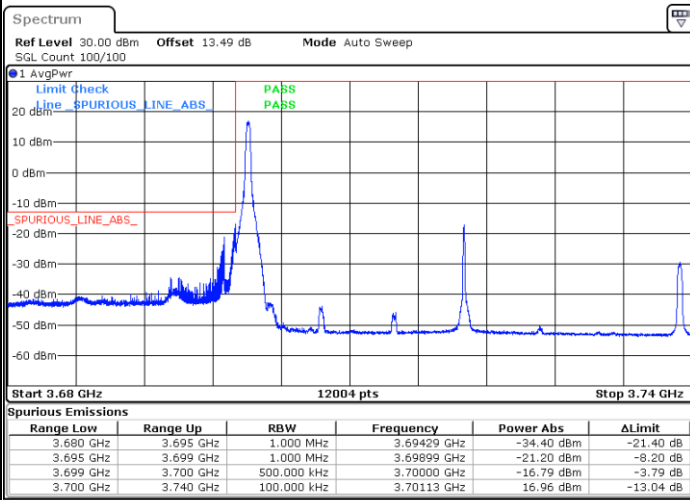
Date: 7.APR.2021 04:52:21



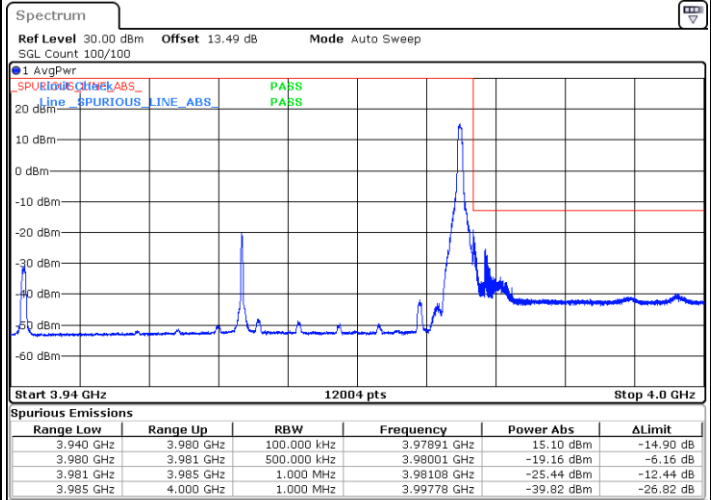
FR1 n77 / 40MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RB24



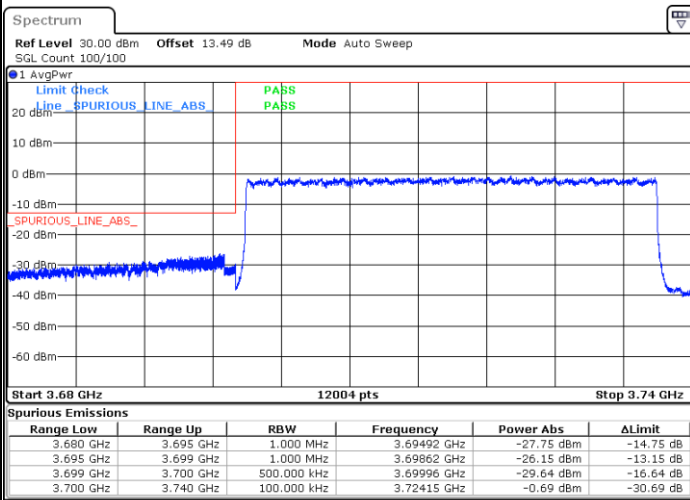
Date: 7.APR.2021 03:51:16



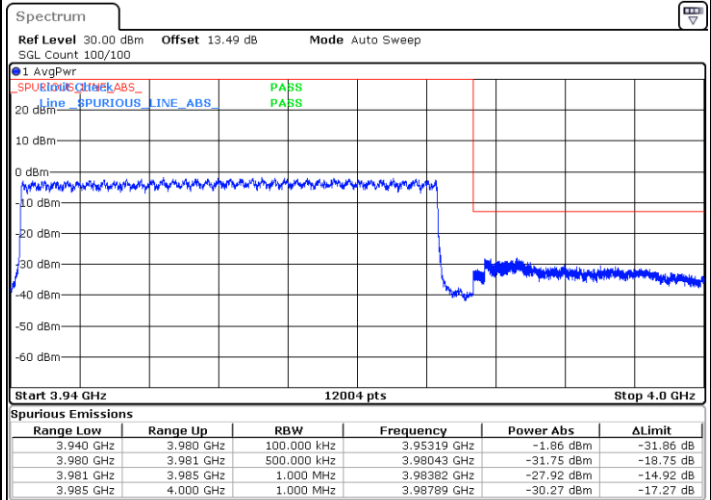
Date: 7.APR.2021 04:55:20

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7.APR.2021 03:48:13

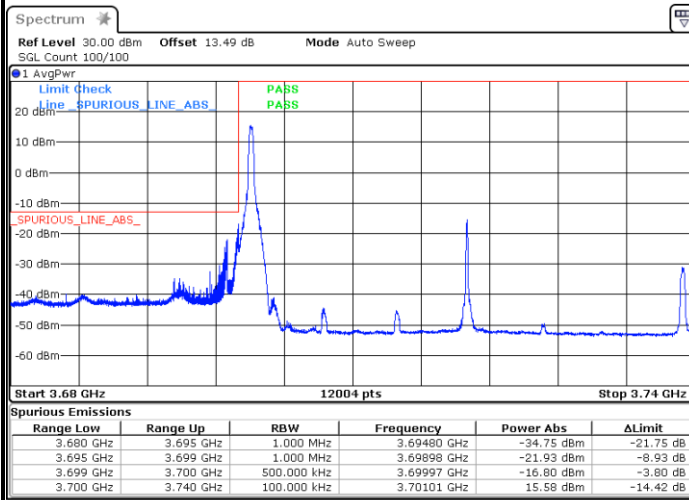


Date: 7.APR.2021 04:53:01



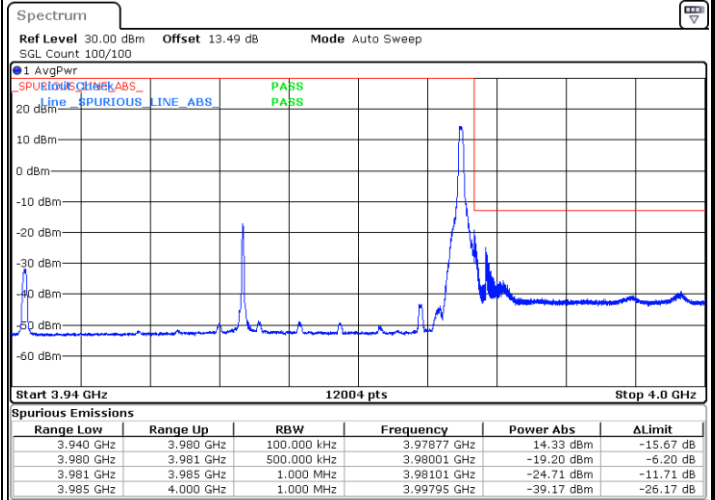
FR1 n77 / 40MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0



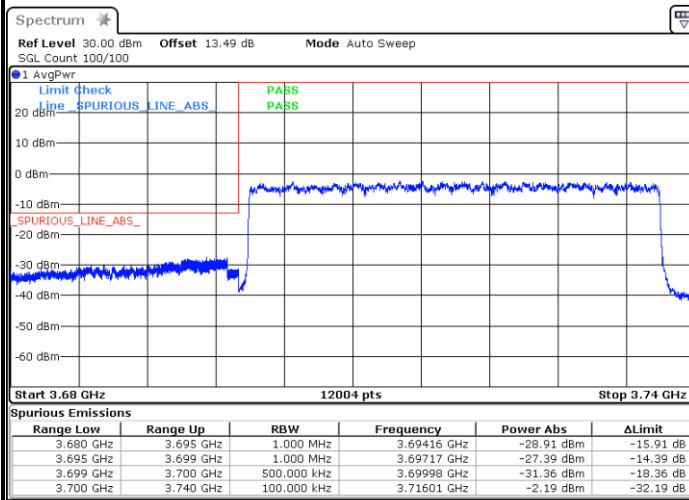
Date: 7.APR.2021 03:50:35

Highest Band Edge / 1RB24



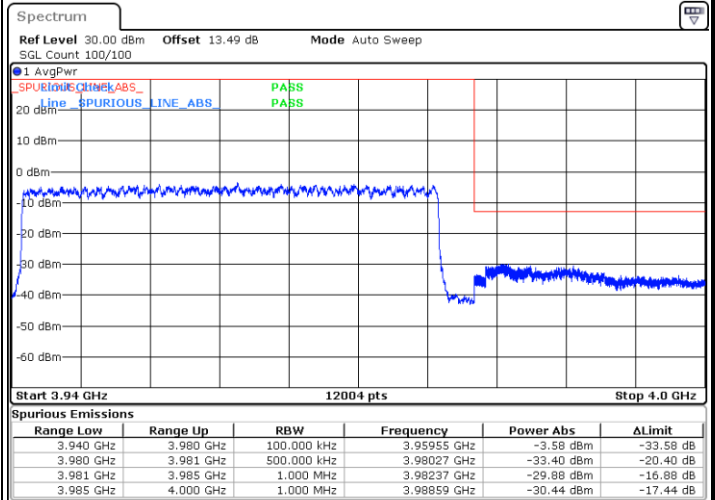
Date: 7.APR.2021 04:54:40

Lowest Band Edge / Full RB



Date: 7.APR.2021 03:49:22

Highest Band Edge / Full RB



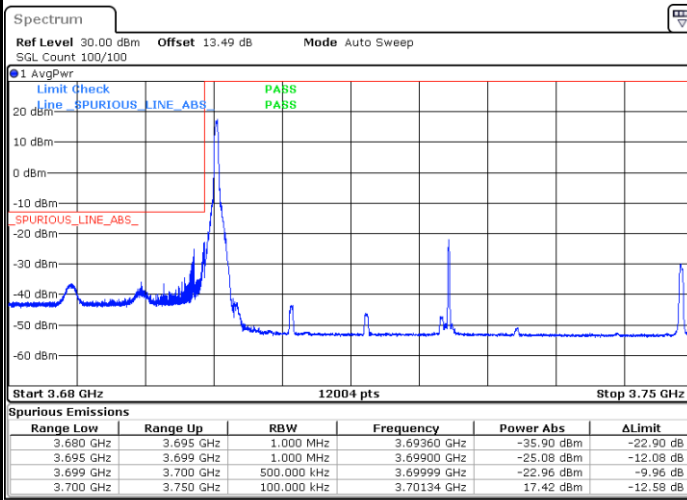
Date: 7.APR.2021 04:53:53





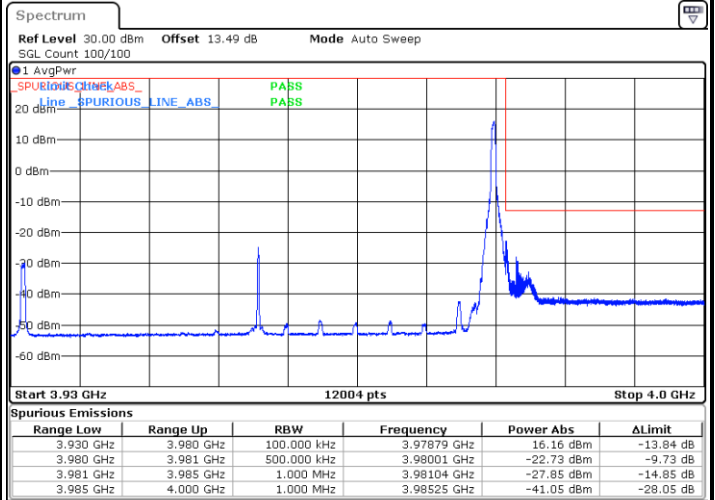
FR1 n77 / 50MHz / DFT-S OFDM / BPSK

Lowest Band Edge / 1RB0



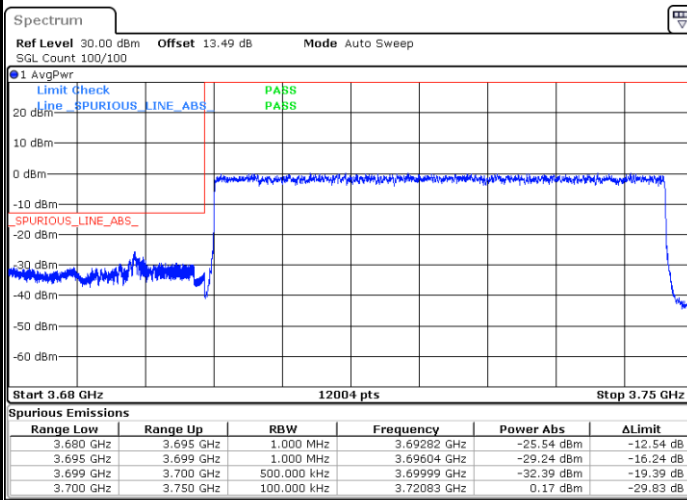
Date: 7.APR.2021 05:06:31

Highest Band Edge / 1RB24



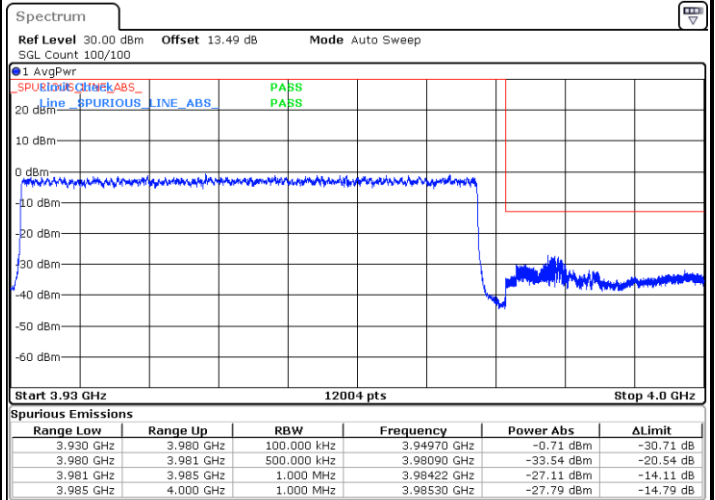
Date: 7.APR.2021 05:21:46

Lowest Band Edge / Full RB



Date: 7.APR.2021 04:59:45

Highest Band Edge / Full RB



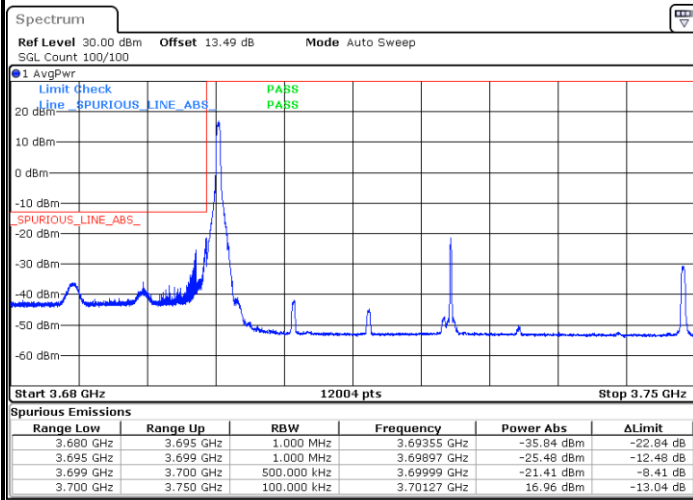
Date: 7.APR.2021 05:12:13





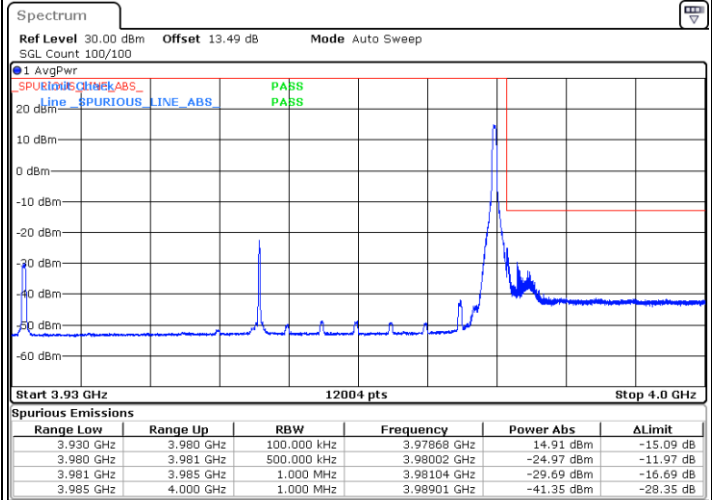
FR1 n77 / 50MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0



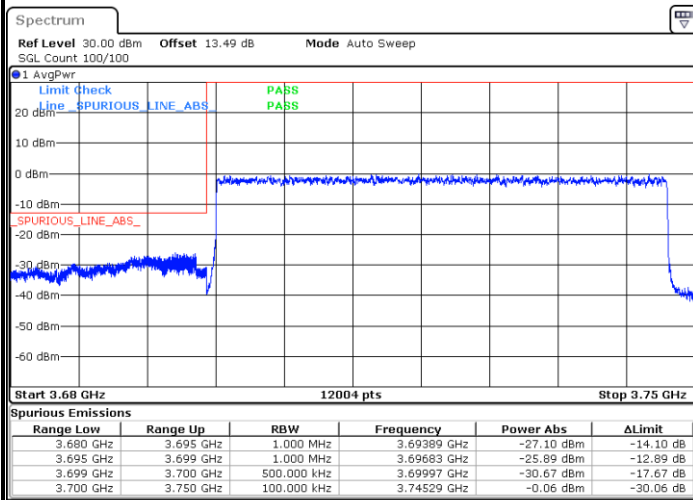
Date: 7.APR.2021 05:05:36

Highest Band Edge / 1RB24



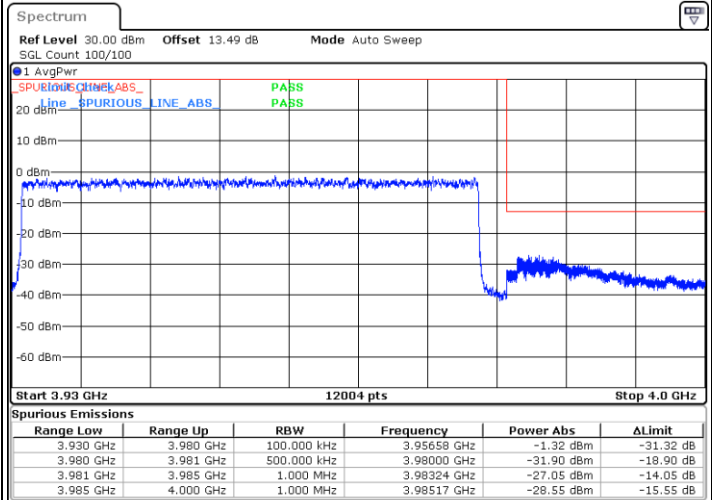
Date: 7.APR.2021 05:18:50

Lowest Band Edge / Full RB



Date: 7.APR.2021 05:00:26

Highest Band Edge / Full RB

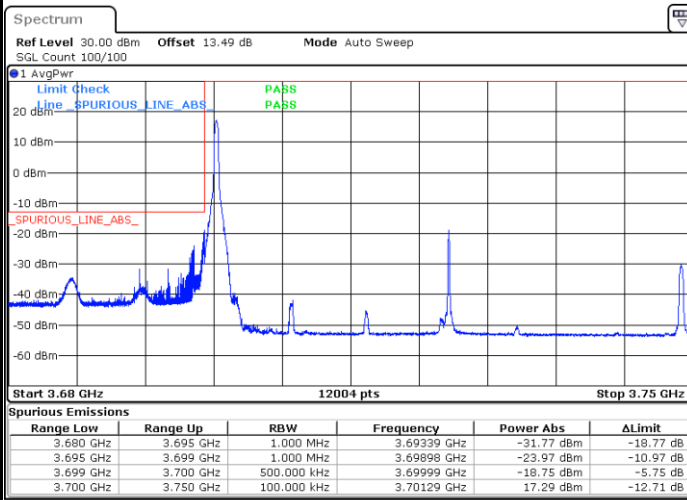


Date: 7.APR.2021 05:13:37



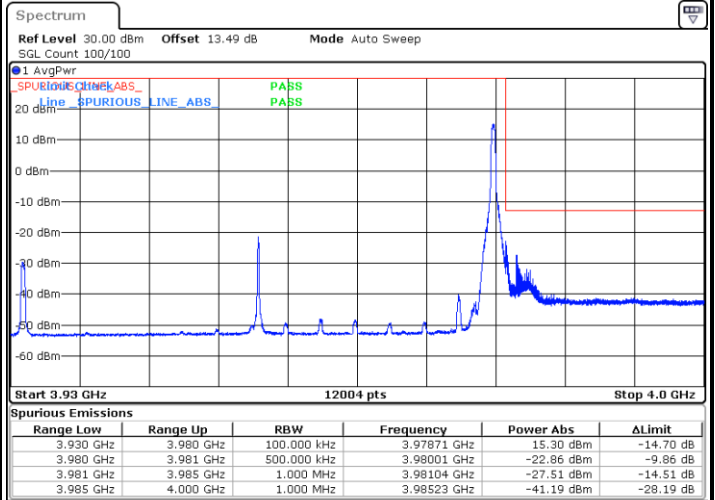
FR1 n77 / 50MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0



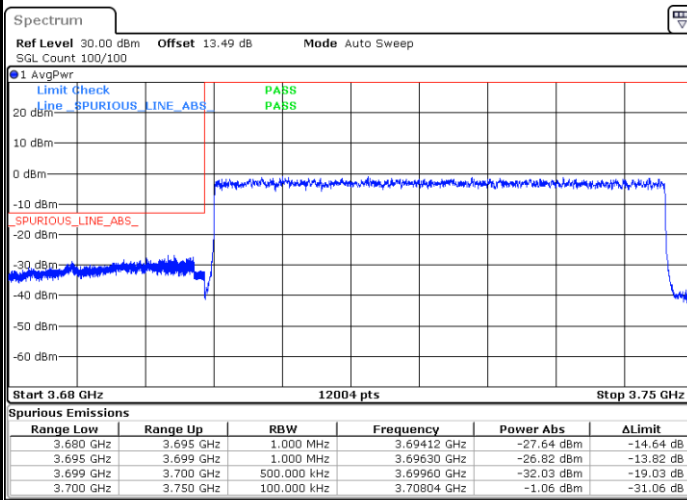
Date: 7.APR.2021 05:04:55

Highest Band Edge / 1RB24



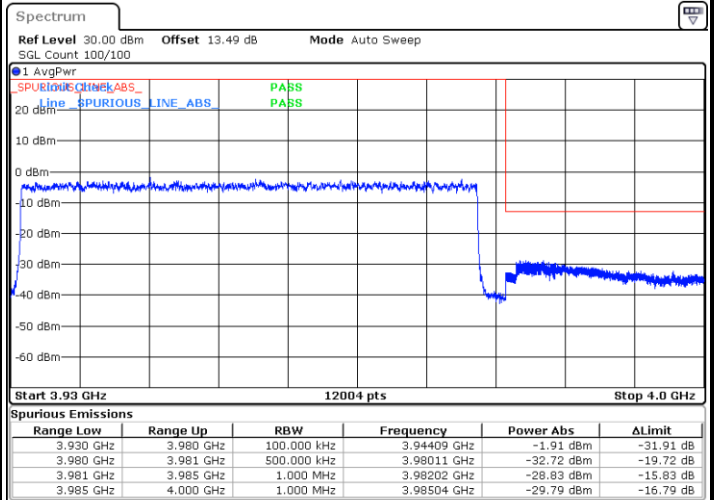
Date: 7.APR.2021 05:18:07

Lowest Band Edge / Full RB



Date: 7.APR.2021 05:01:08

Highest Band Edge / Full RB

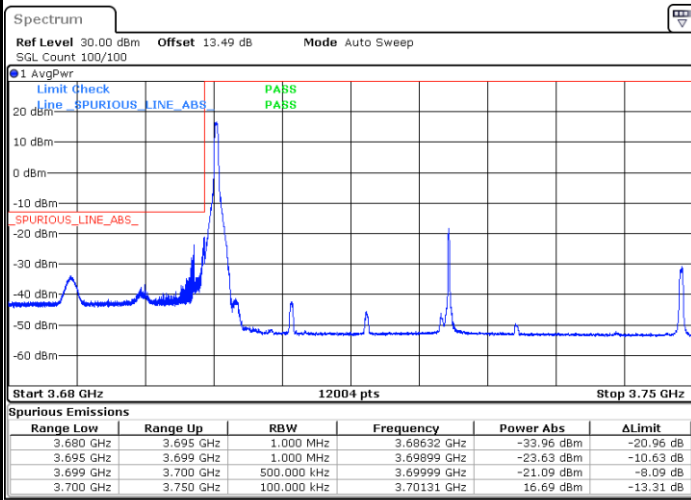


Date: 7.APR.2021 05:14:22



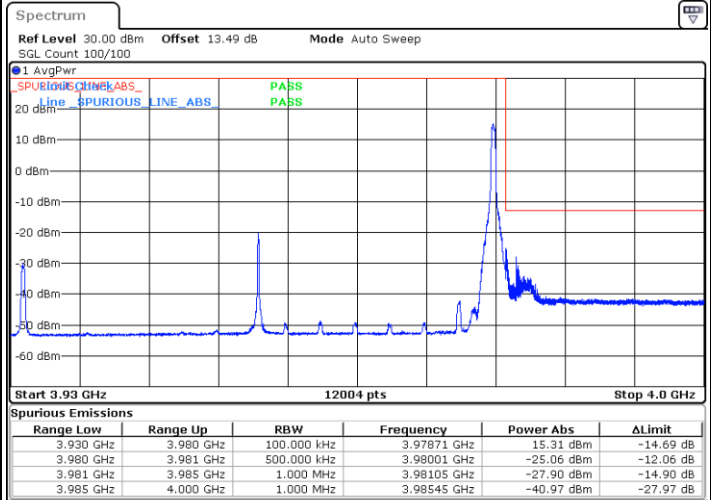
FR1 n77 / 50MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0



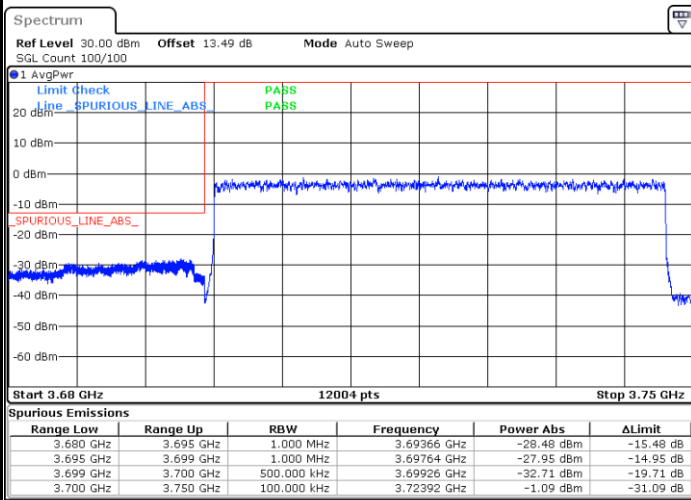
Date: 7.APR.2021 05:04:14

Highest Band Edge / 1RB24



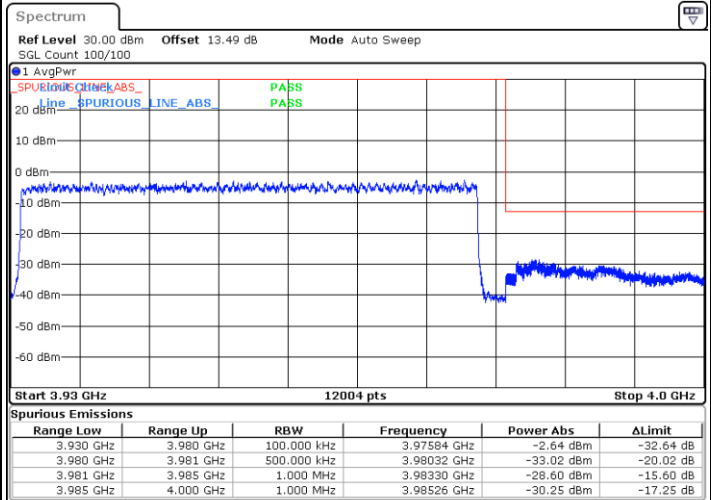
Date: 7.APR.2021 05:17:27

Lowest Band Edge / Full RB



Date: 7.APR.2021 05:01:51

Highest Band Edge / Full RB

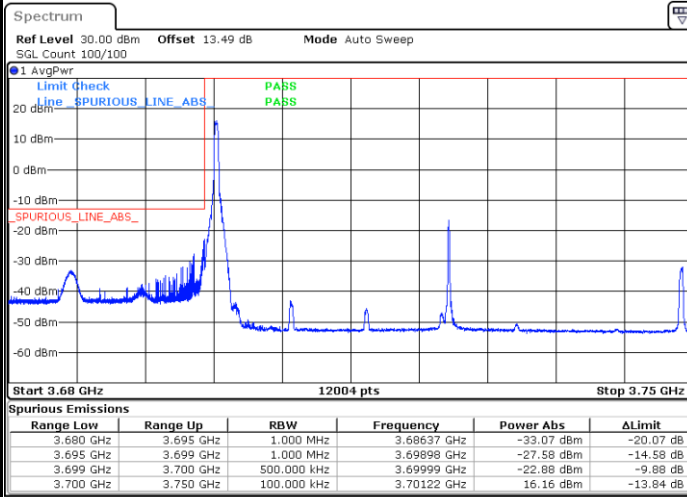


Date: 7.APR.2021 05:15:04



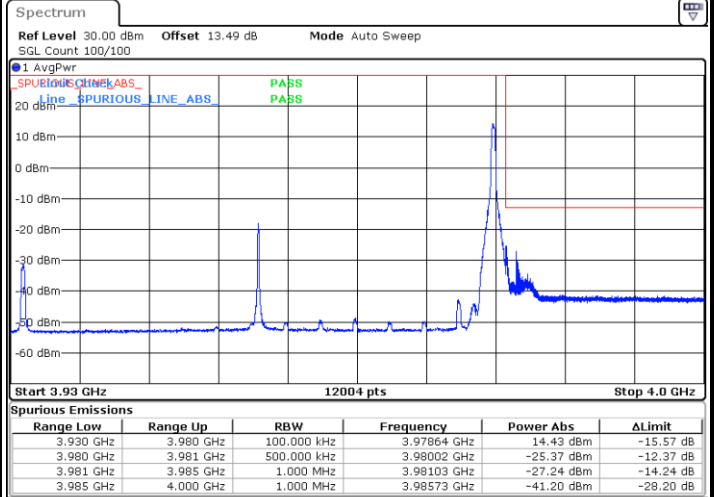
FR1 n77 / 50MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0



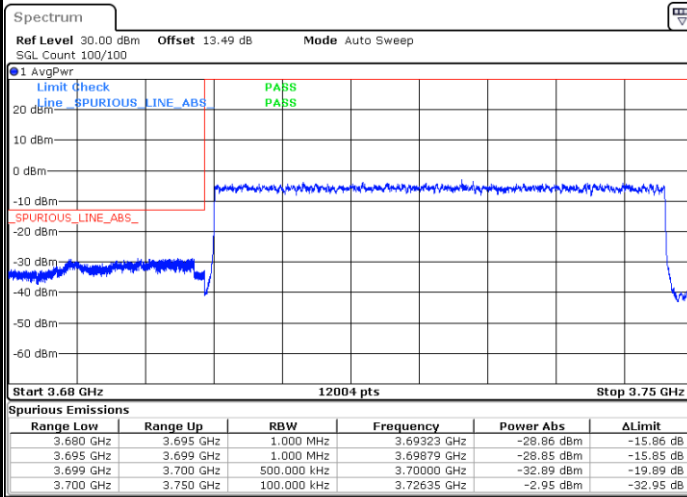
Date: 7.APR.2021 05:03:34

Highest Band Edge / 1RB24



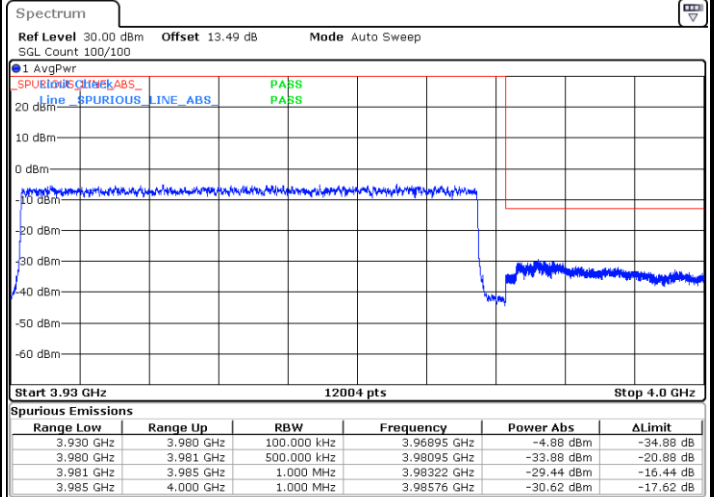
Date: 7.APR.2021 05:16:46

Lowest Band Edge / Full RB



Date: 7.APR.2021 05:02:52

Highest Band Edge / Full RB



Date: 7.APR.2021 05:16:01