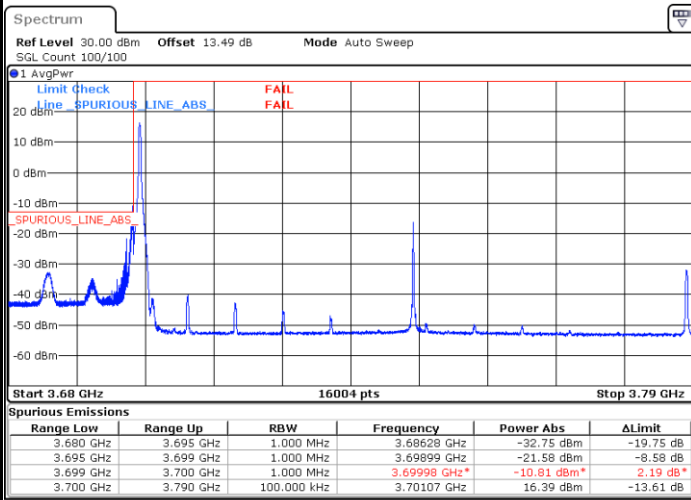




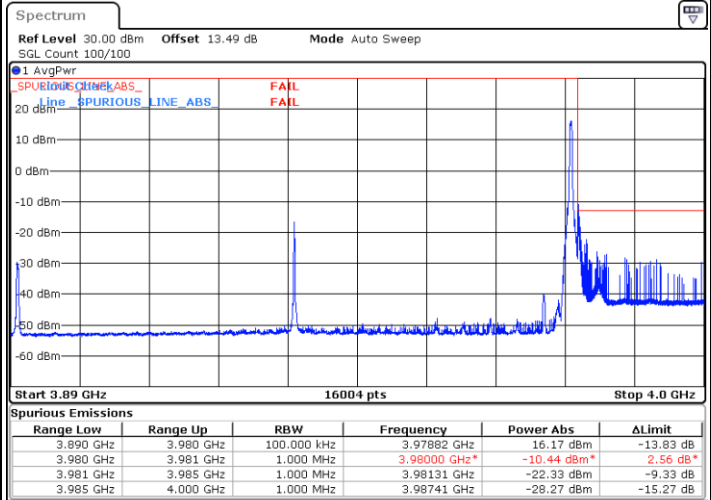
FR1 n77 / 60MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0



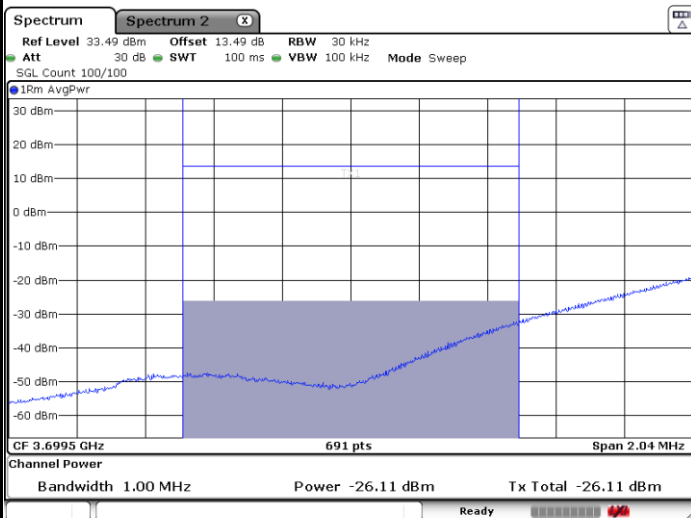
Date: 7.APR.2021 09:45:39

Highest Band Edge / 1RB24



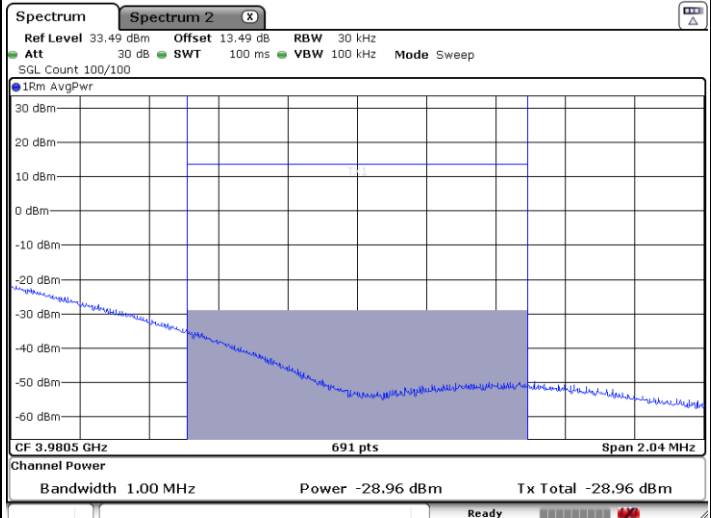
Date: 7.APR.2021 09:59:18

Channel Power < -13dBm Pass

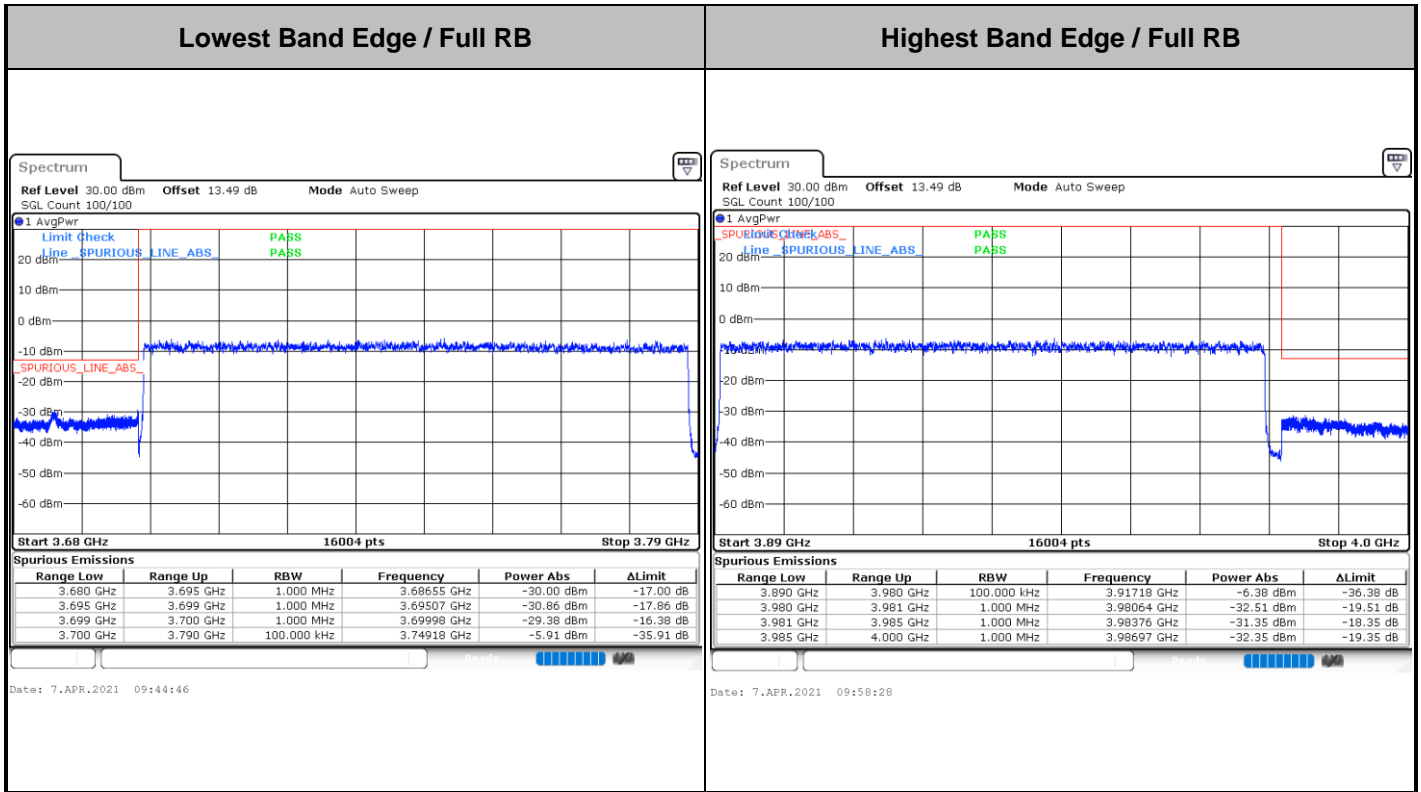


Date: 8.APR.2021 03:50:55

Channel Power < -13dBm Pass



Date: 8.APR.2021 03:53:22

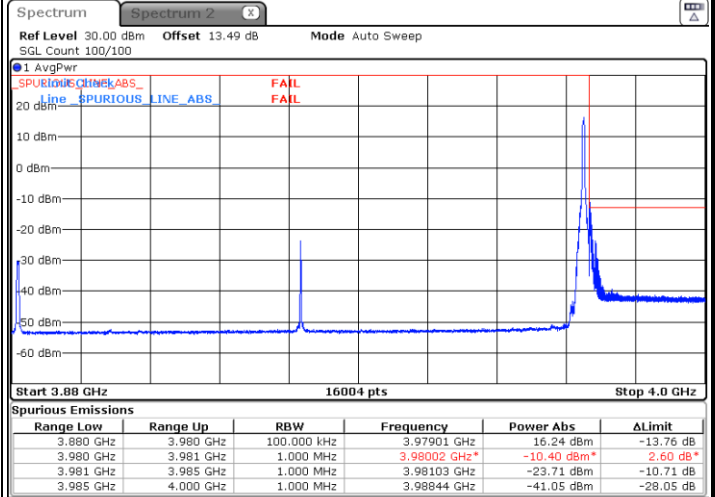
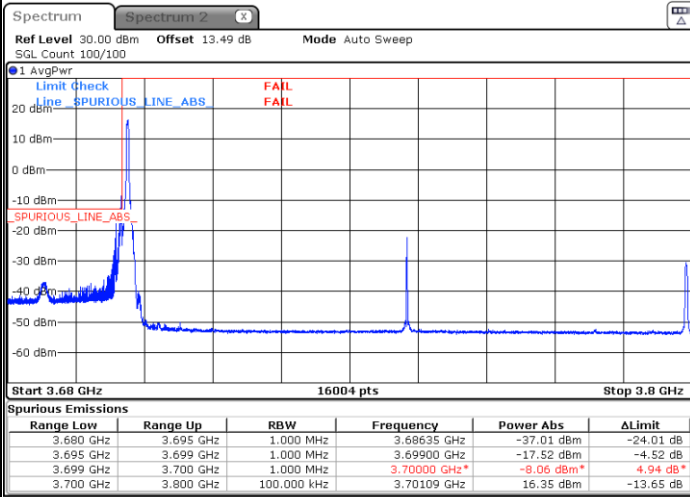




FR1 n77 / 100MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

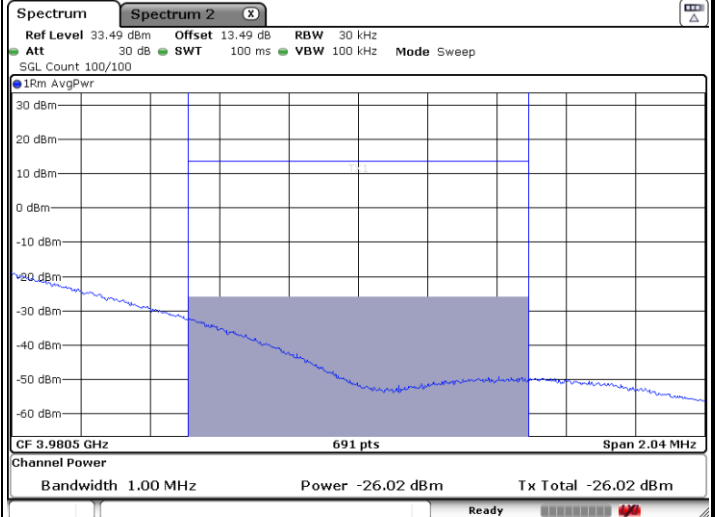
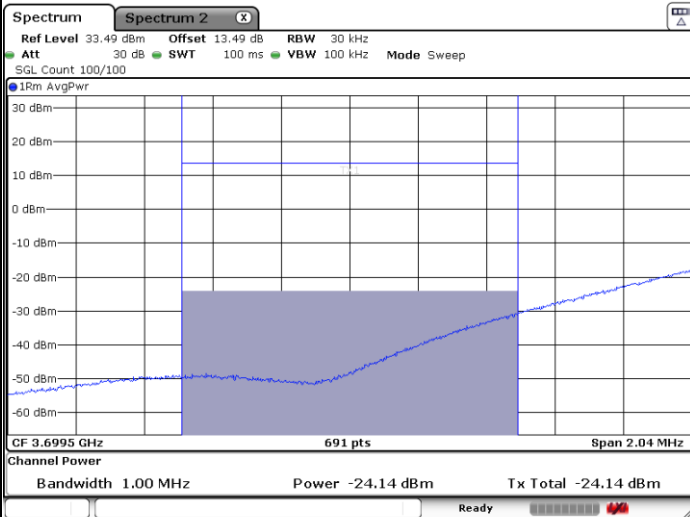


Date: 8.APR.2021 03:01:06

Date: 8.APR.2021 03:14:14

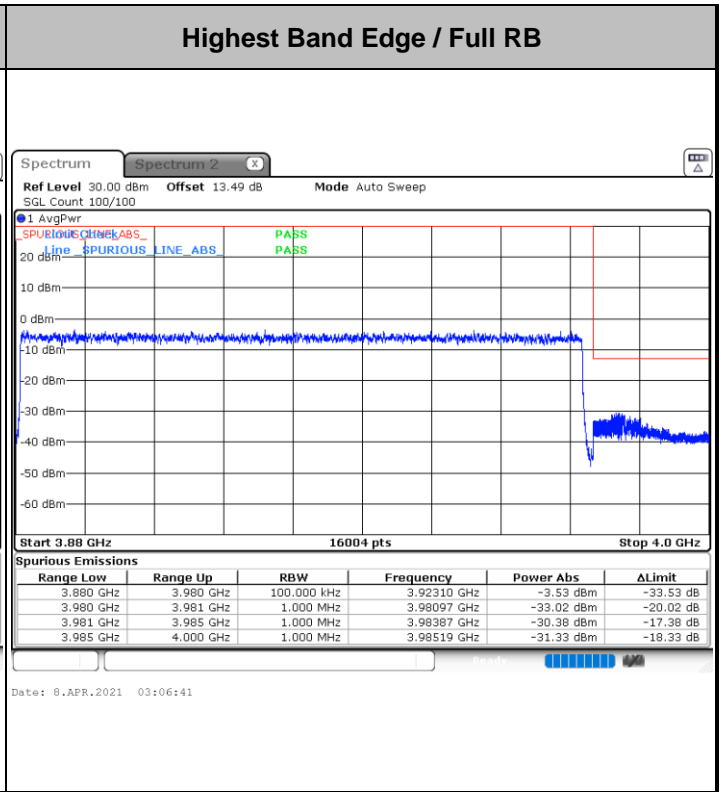
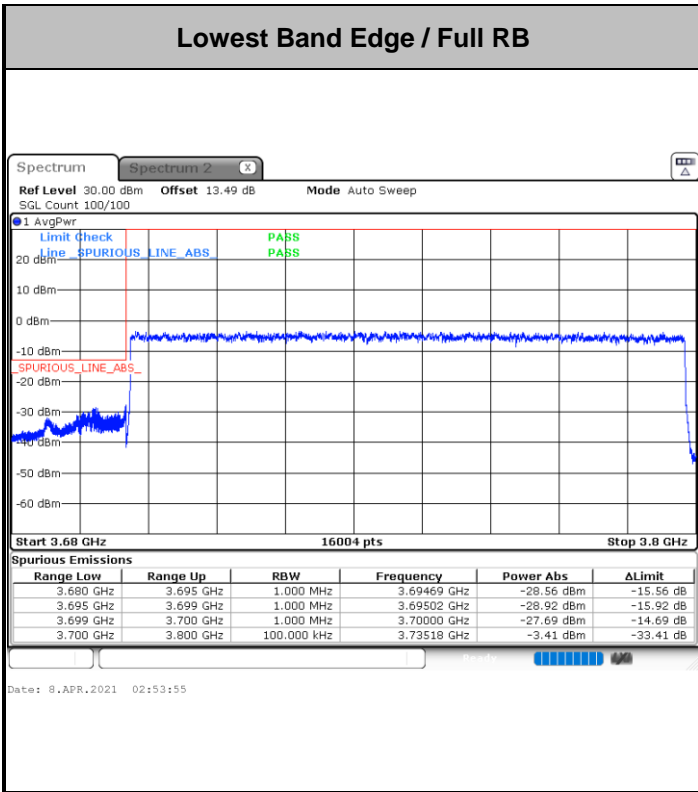
Channel Power < -13dBm Pass

Channel Power < -13dBm Pass



Date: 8.APR.2021 03:47:02

Date: 8.APR.2021 03:38:45

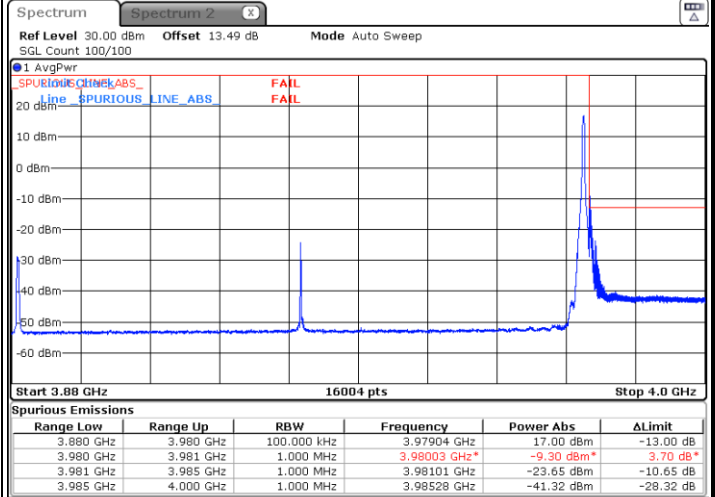
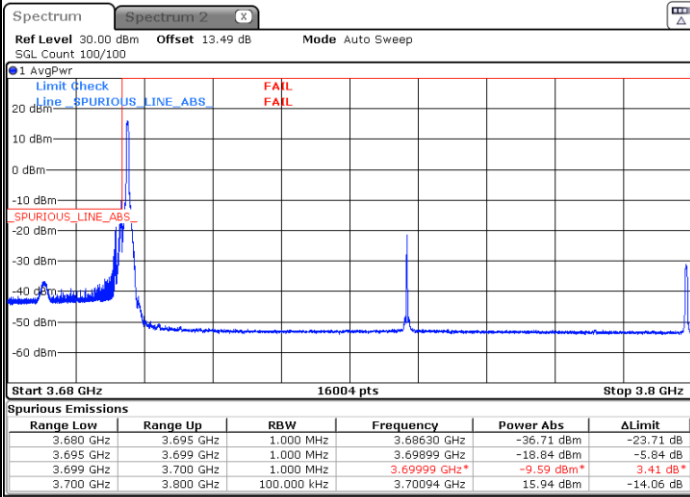




FR1 n77 / 100MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

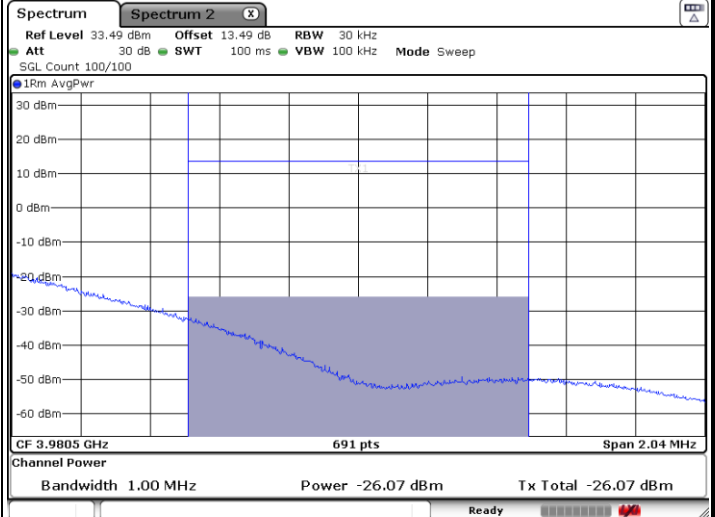
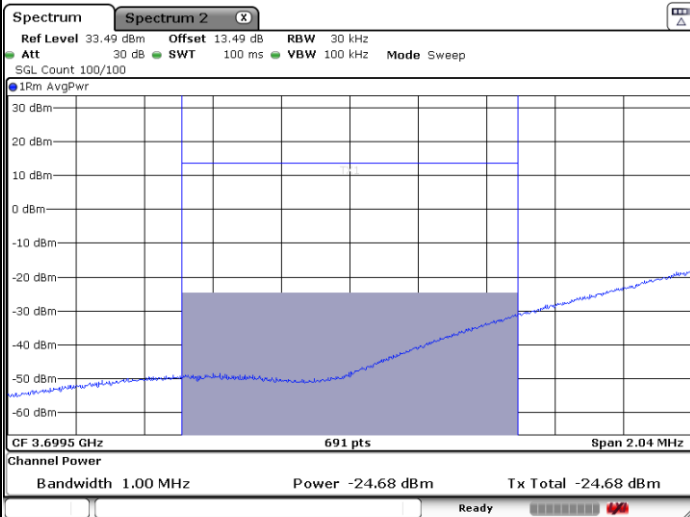


Date: 8.APR.2021 03:00:09

Date: 8.APR.2021 03:13:19

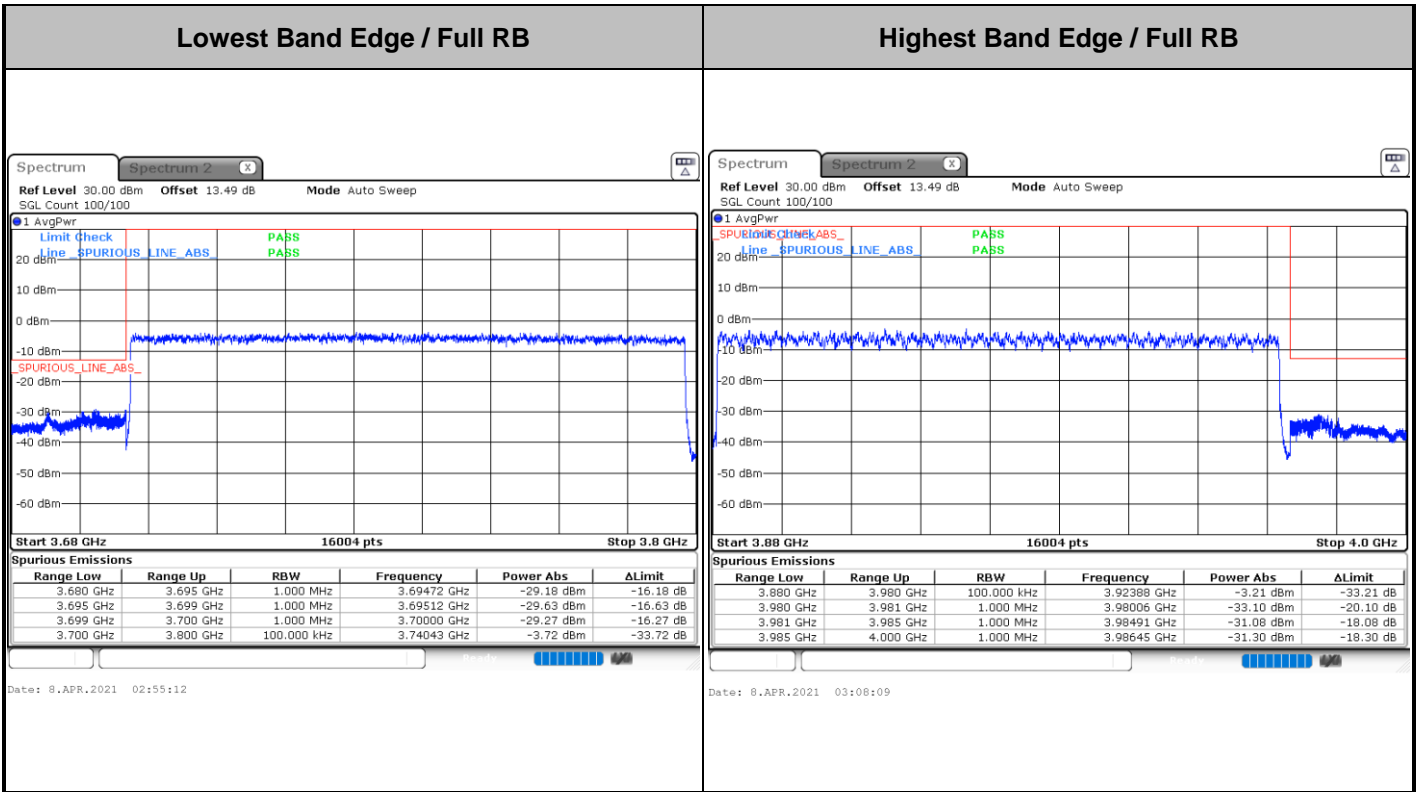
Channel Power < -13dBm Pass

Channel Power < -13dBm Pass



Date: 8.APR.2021 03:44:40

Date: 8.APR.2021 03:40:06

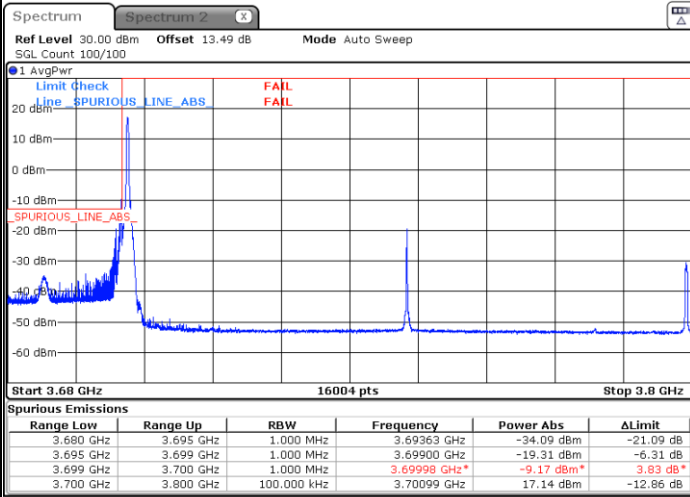




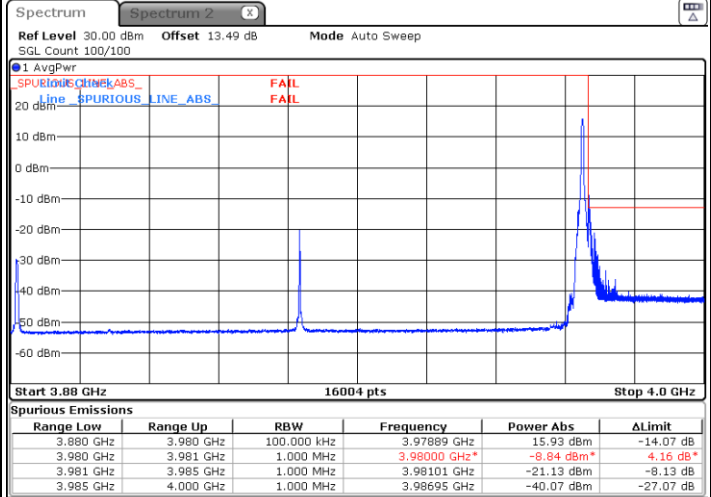
FR1 n77 / 100MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



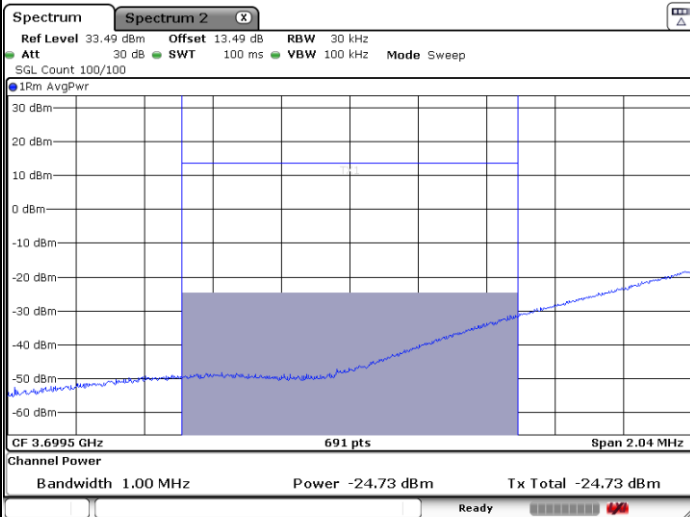
Date: 8.APR.2021 02:59:31



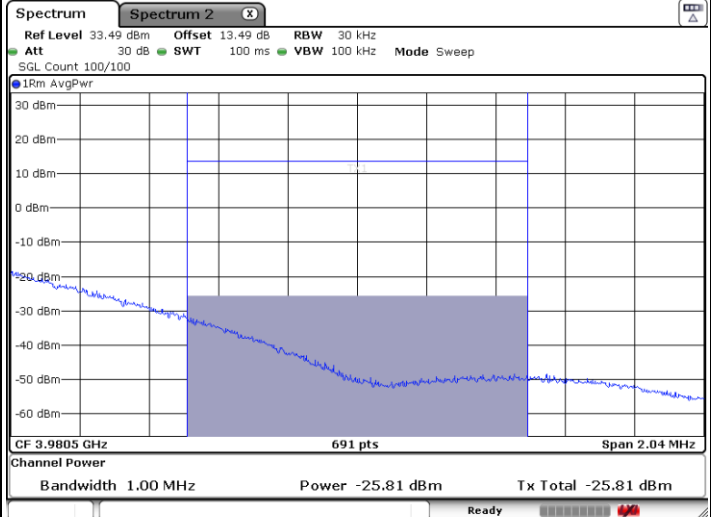
Date: 8.APR.2021 03:12:38

Channel Power < -13dBm Pass

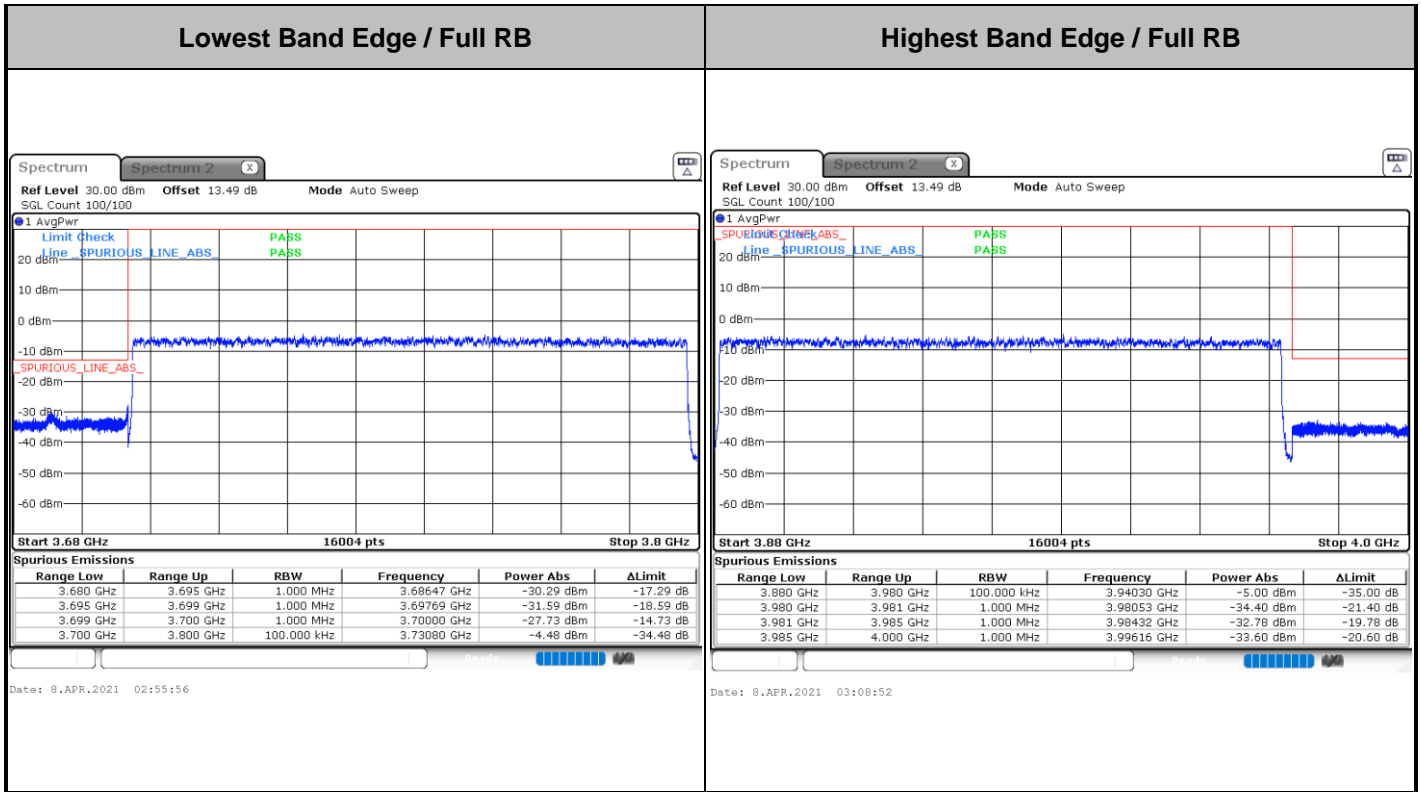
Channel Power < -13dBm Pass



Date: 8.APR.2021 03:44:09



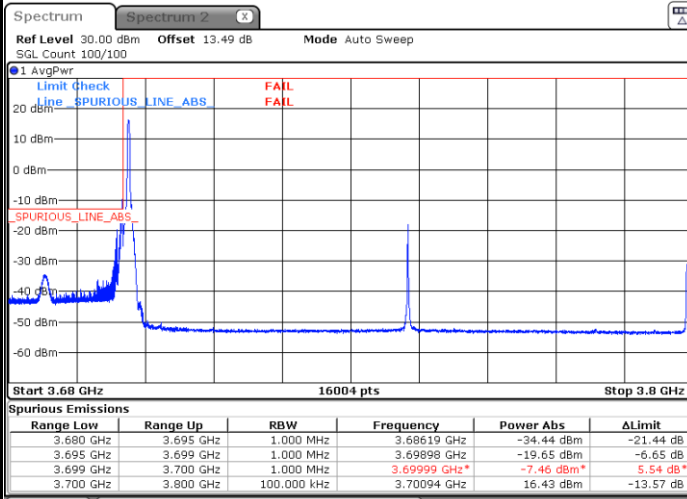
Date: 8.APR.2021 03:40:37





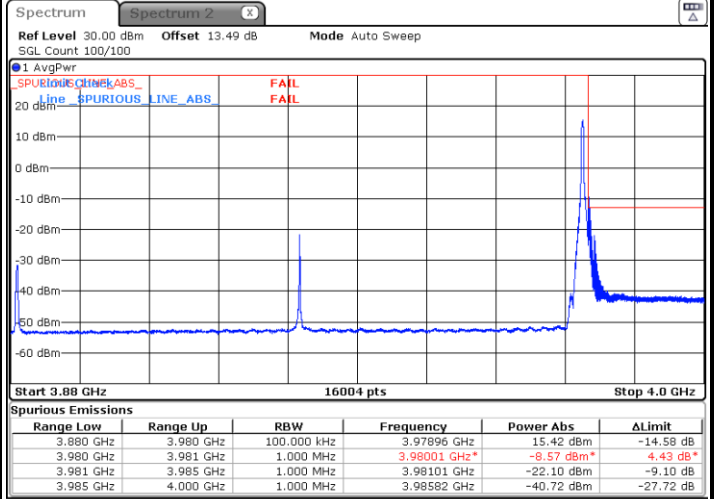
FR1 n77 / 100MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0



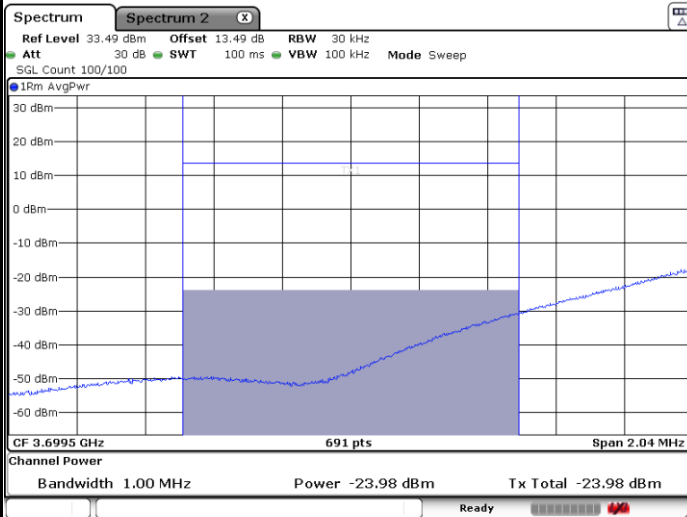
Date: 8.APR.2021 02:58:51

Highest Band Edge / 1RB24



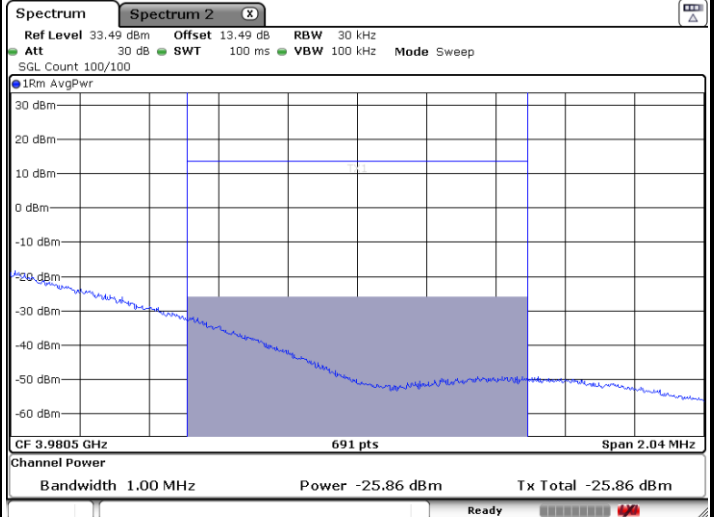
Date: 8.APR.2021 03:11:56

Channel Power < -13dBm Pass

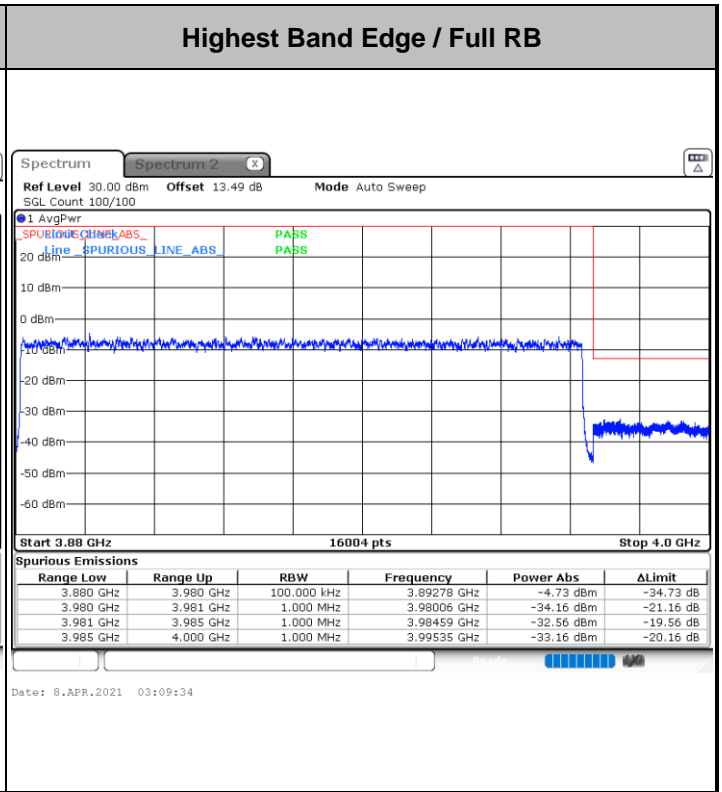
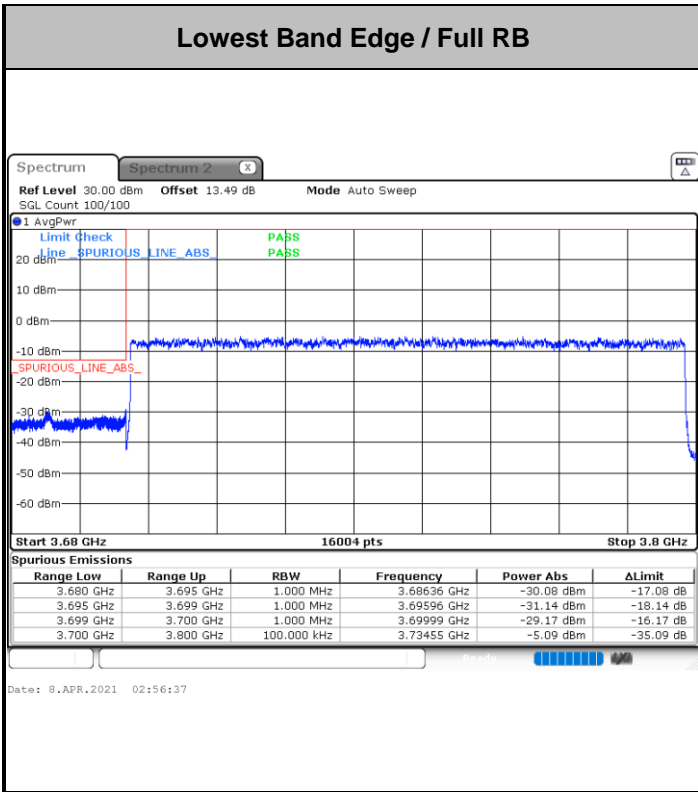


Date: 8.APR.2021 03:43:40

Channel Power < -13dBm Pass



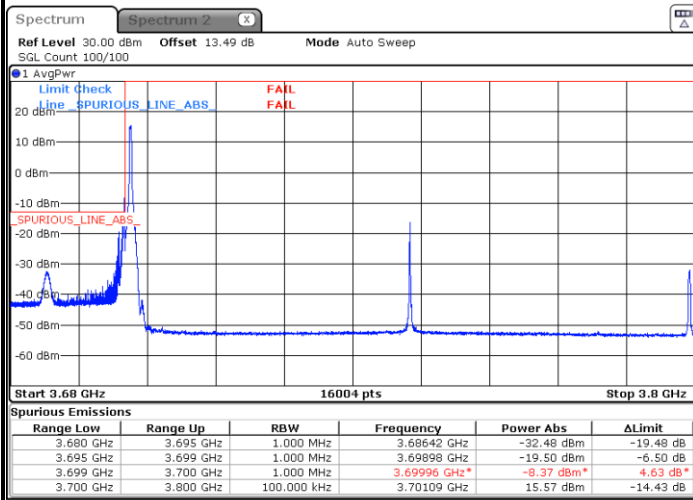
Date: 8.APR.2021 03:41:07





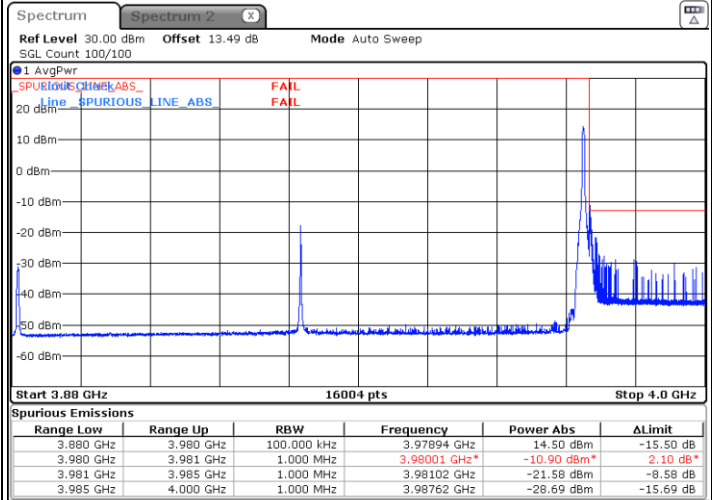
FR1 n77 / 100MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0



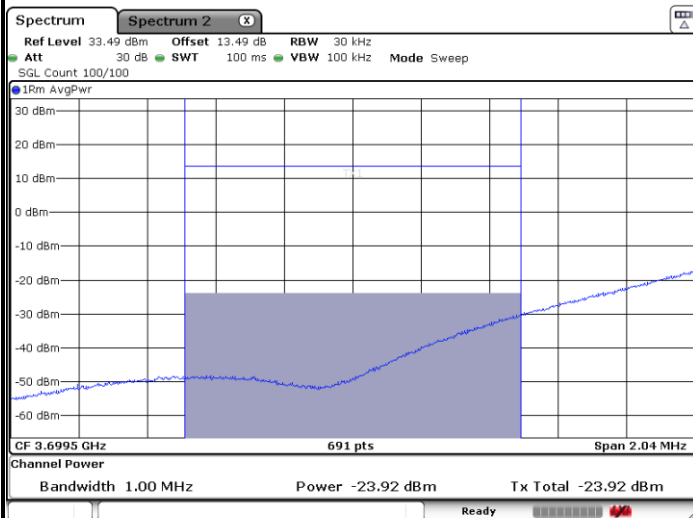
Date: 8.APR.2021 02:58:10

Highest Band Edge / 1RB24



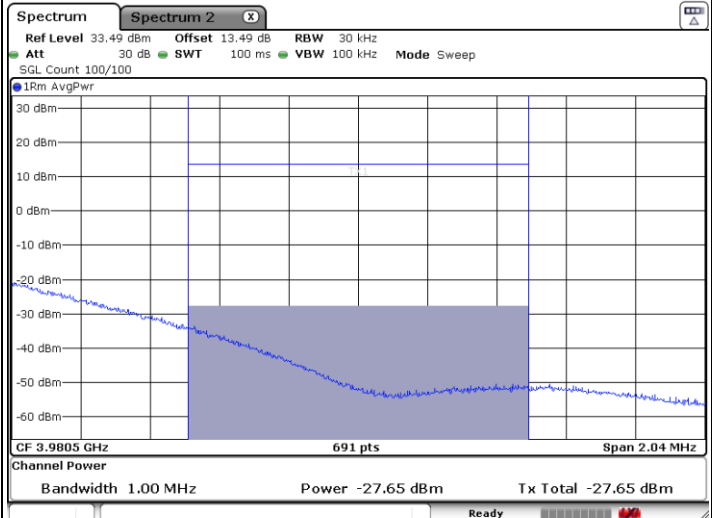
Date: 8.APR.2021 03:11:14

Channel Power < -13dBm Pass

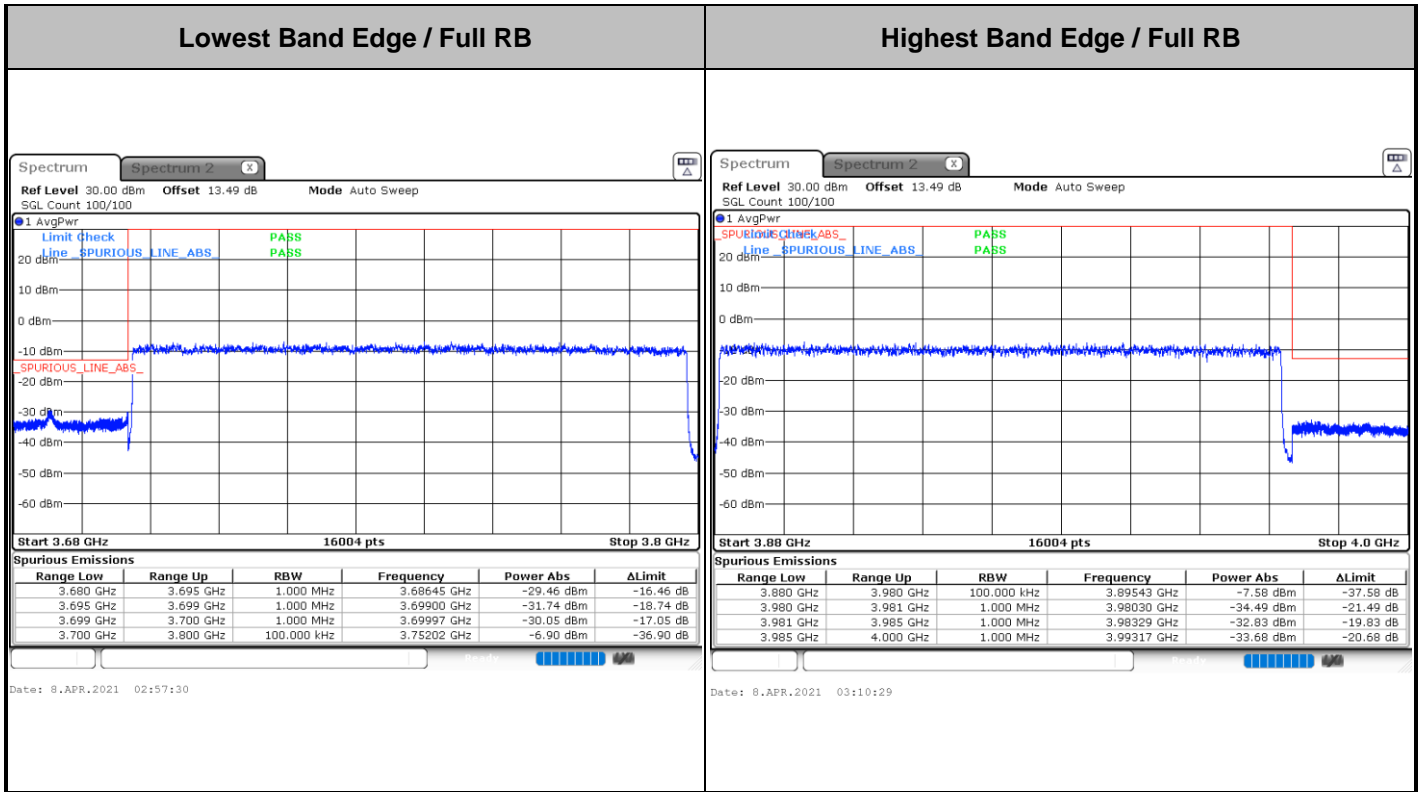


Date: 8.APR.2021 03:43:07

Channel Power < -13dBm Pass



Date: 8.APR.2021 03:41:52



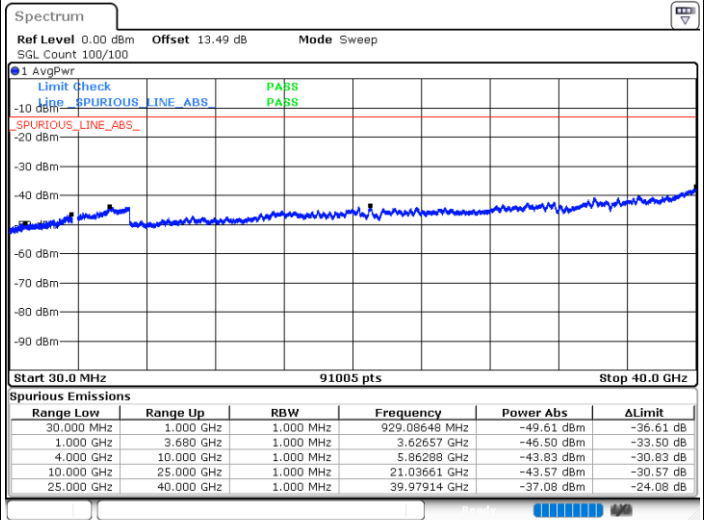
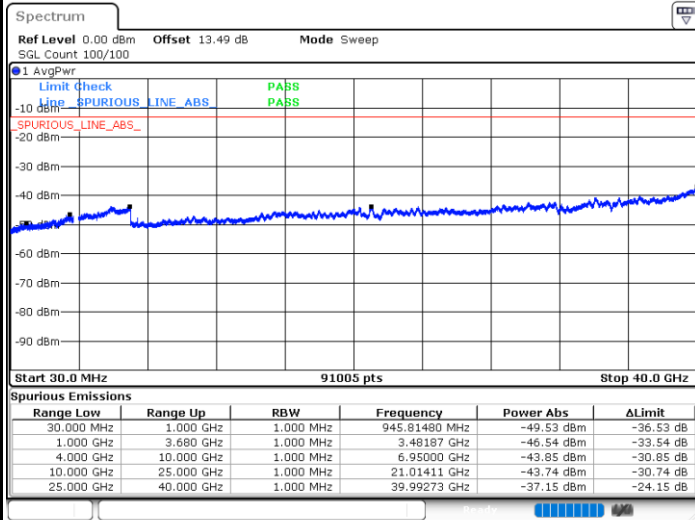


Conducted Spurious Emission

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

Lowest Channel / 1RB1

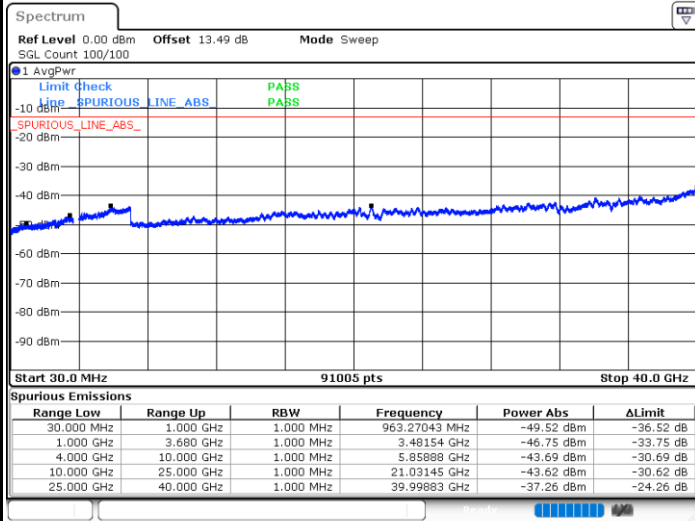
Middle Channel / 1RB1



Date: 7.APR.2021 02:56:33

Date: 7.APR.2021 02:58:03

Highest Channel / 1RB1



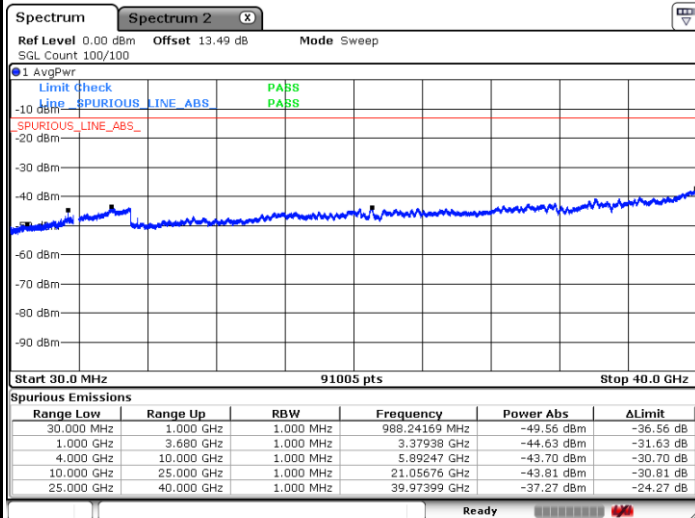
Date: 7.APR.2021 03:08:29



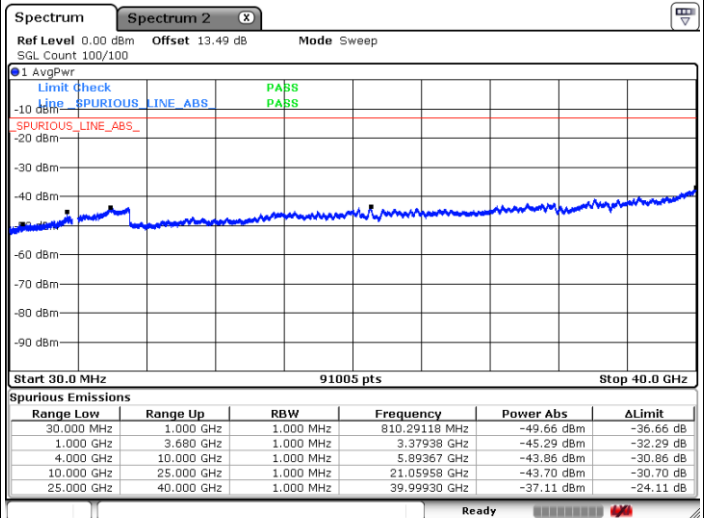
FR1 n77 / 30MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

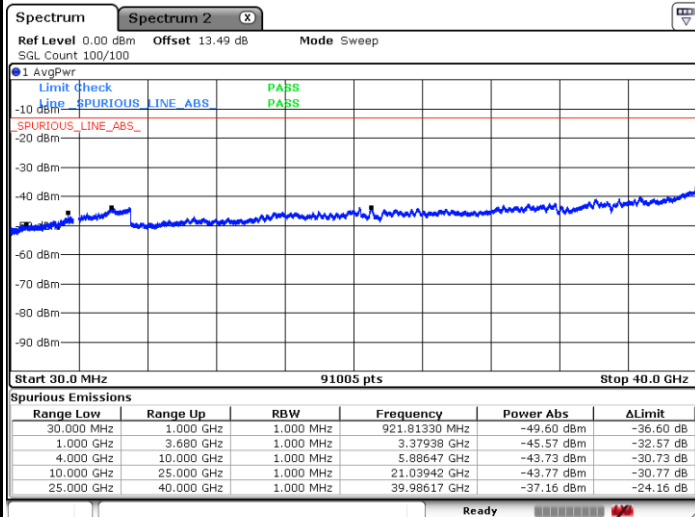


Date: 8.APR.2021 04:38:45



Date: 8.APR.2021 04:40:29

Highest Channel / 1RB1



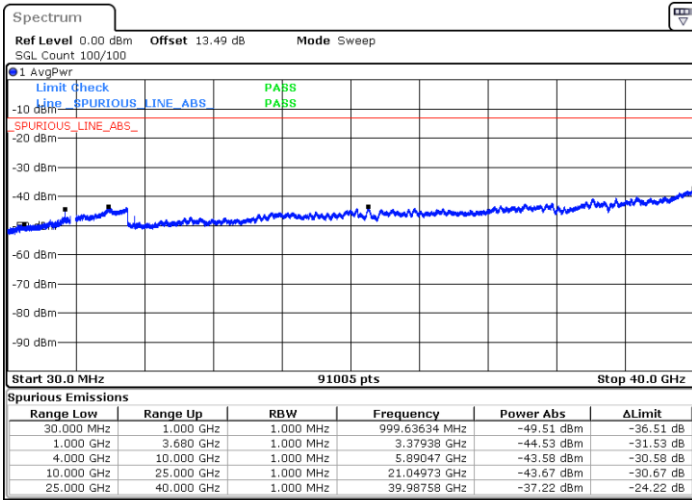
Date: 8.APR.2021 04:42:18



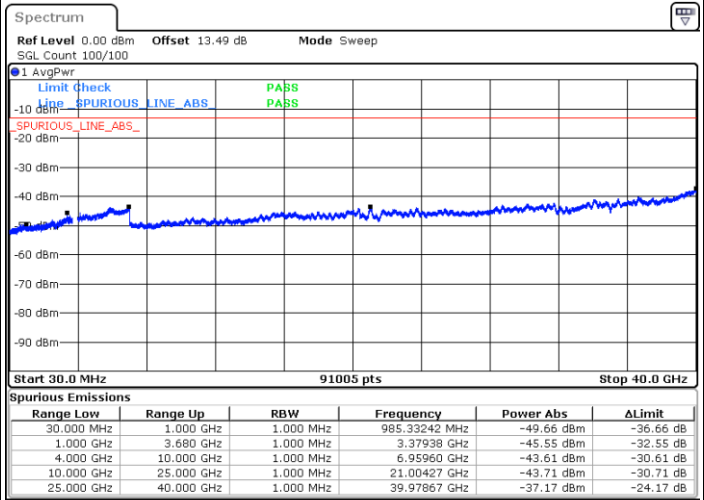
FR1 n77 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

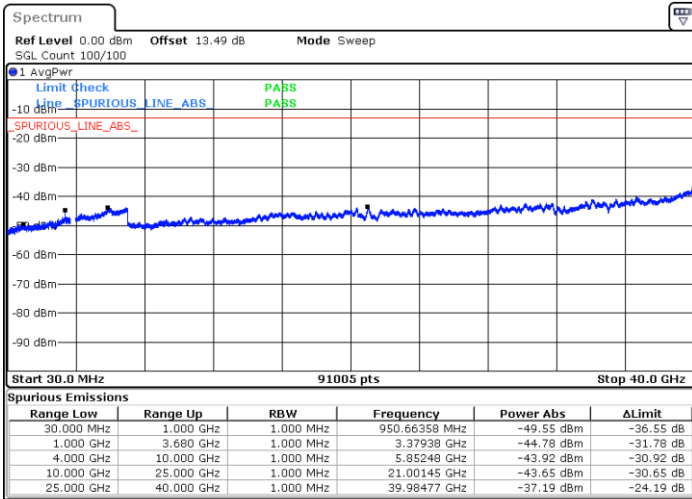


Date: 7.APR.2021 03:54:53



Date: 7.APR.2021 04:12:09

Highest Channel / 1RB1



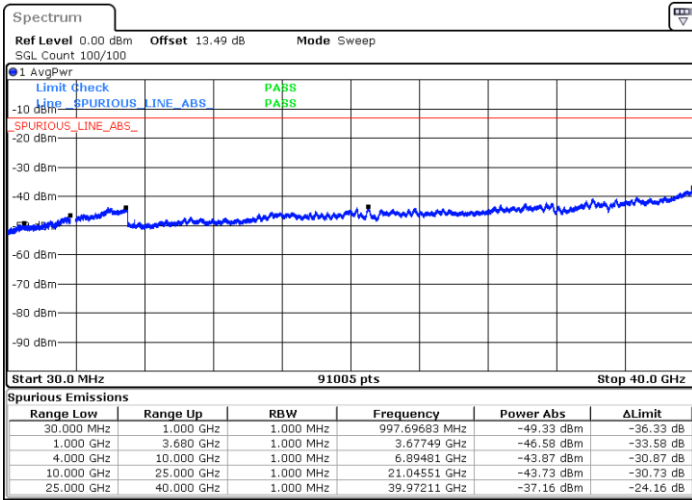
Date: 7.APR.2021 04:50:02



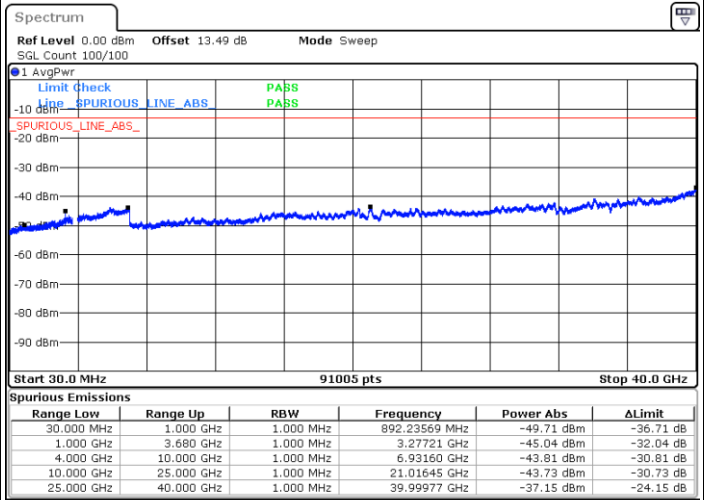
FR1 n77 / 50MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

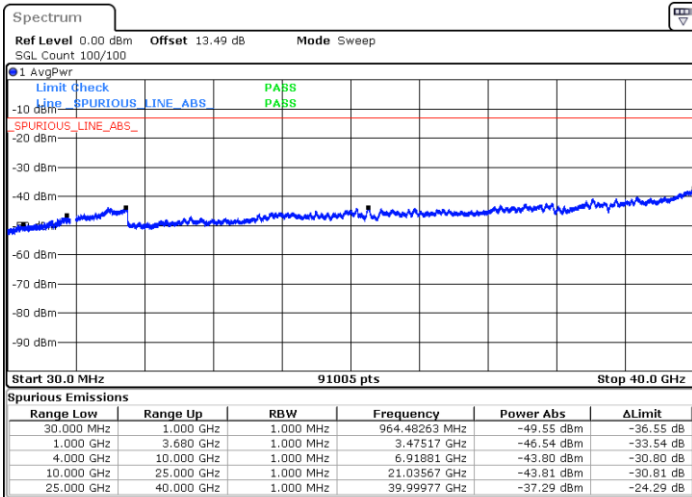


Date: 7.APR.2021 05:07:46



Date: 7.APR.2021 05:09:27

Highest Channel / 1RB1



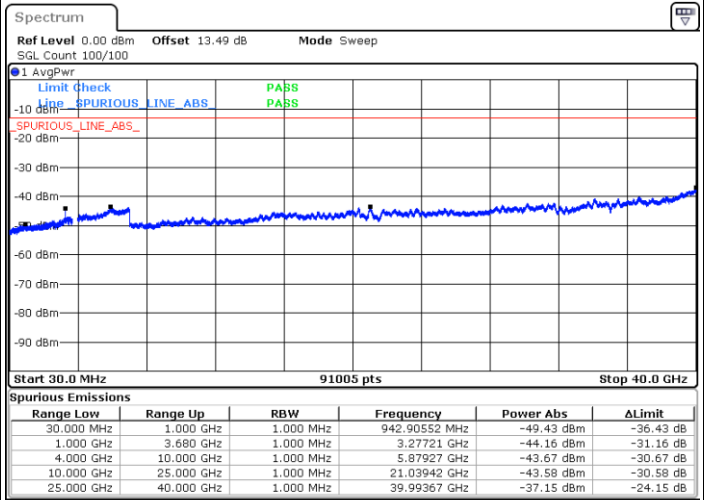
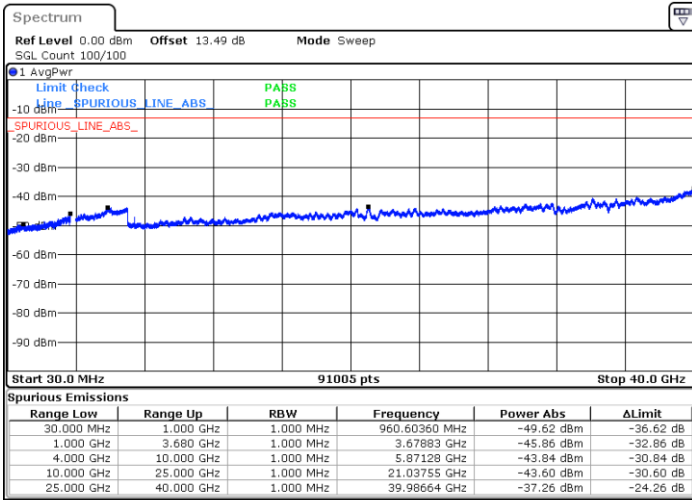
Date: 7.APR.2021 05:11:00



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

Lowest Channel / 1RB1

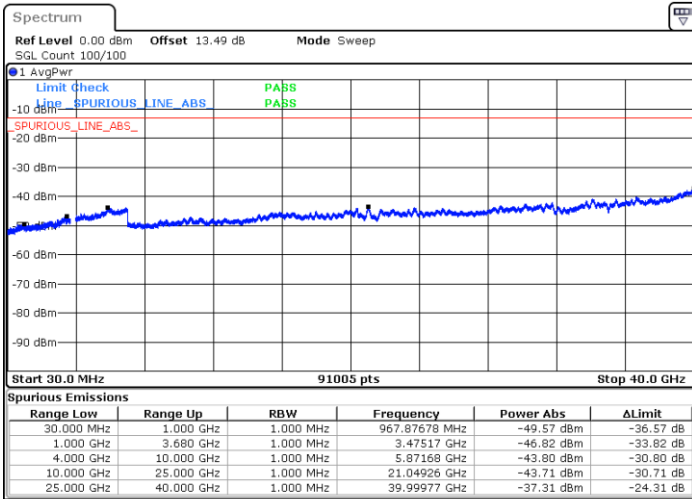
Middle Channel / 1RB1



Date: 7.APR.2021 09:04:17

Date: 7.APR.2021 09:07:40

Highest Channel / 1RB1



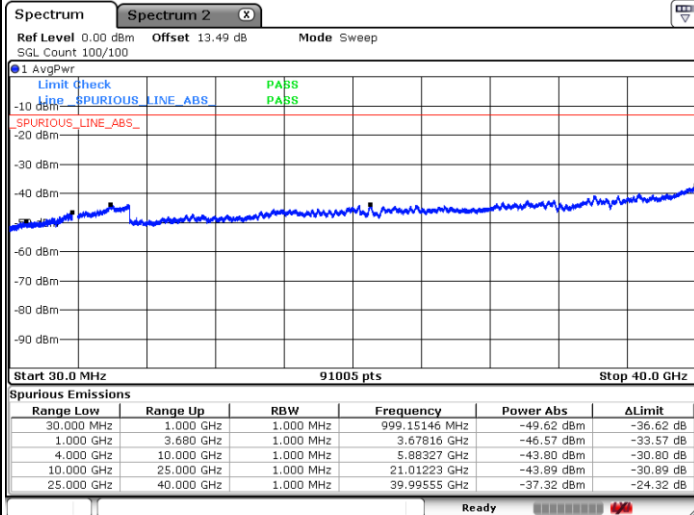
Date: 7.APR.2021 09:09:13



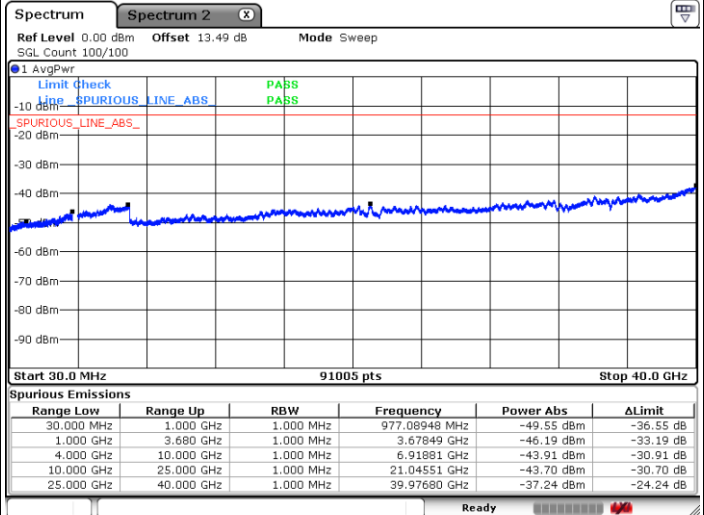
FR1 n77 / 70MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

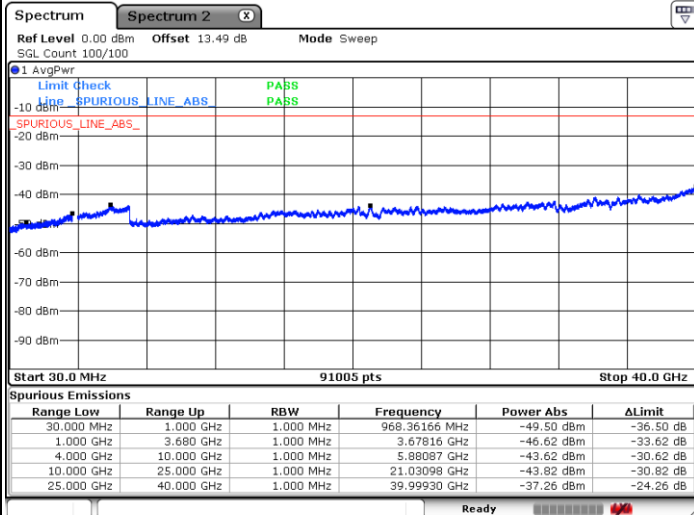


Date: 8.APR.2021 09:09:28



Date: 8.APR.2021 09:10:41

Highest Channel / 1RB1



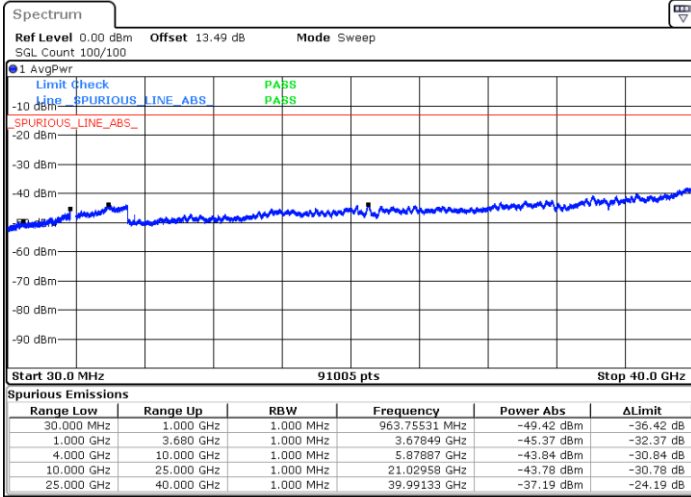
Date: 8.APR.2021 09:11:53



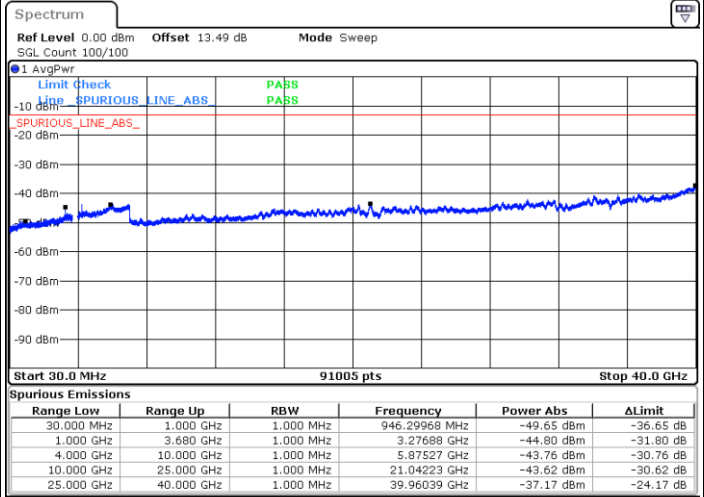
FR1 n77 / 80MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

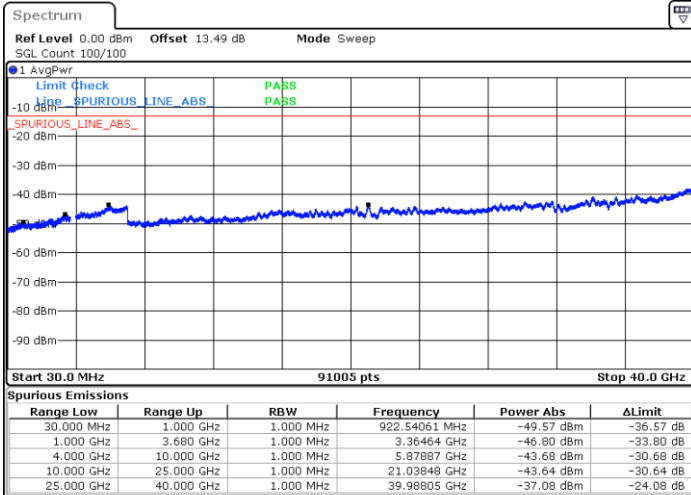


Date: 7.APR.2021 09:29:08



Date: 7.APR.2021 09:30:36

Highest Channel / 1RB1



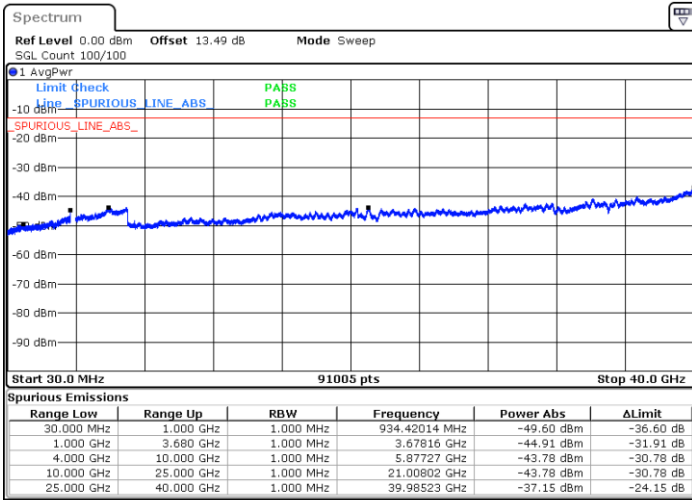
Date: 7.APR.2021 09:32:10



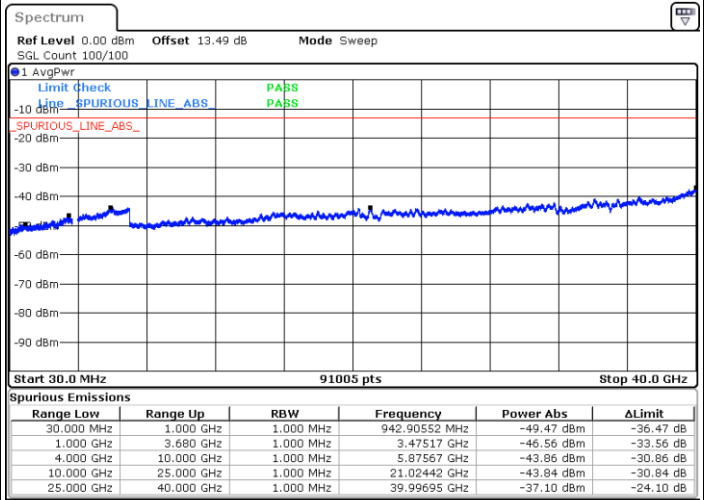
FR1 n77 / 90MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

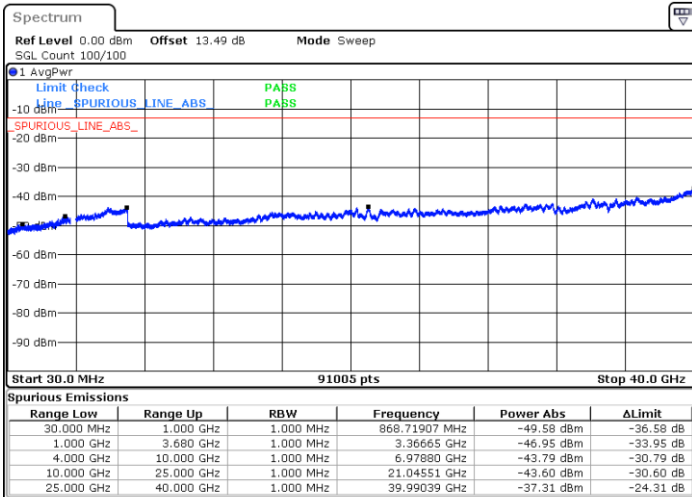


Date: 7.APR.2021 09:49:51



Date: 7.APR.2021 09:51:31

Highest Channel / 1RB1



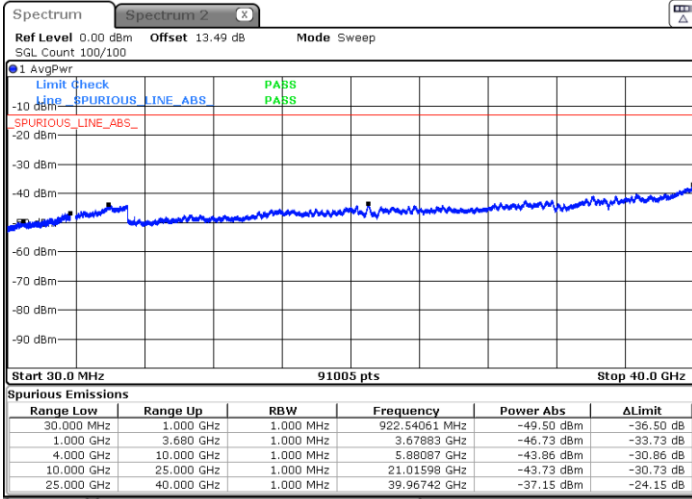
Date: 7.APR.2021 09:53:58



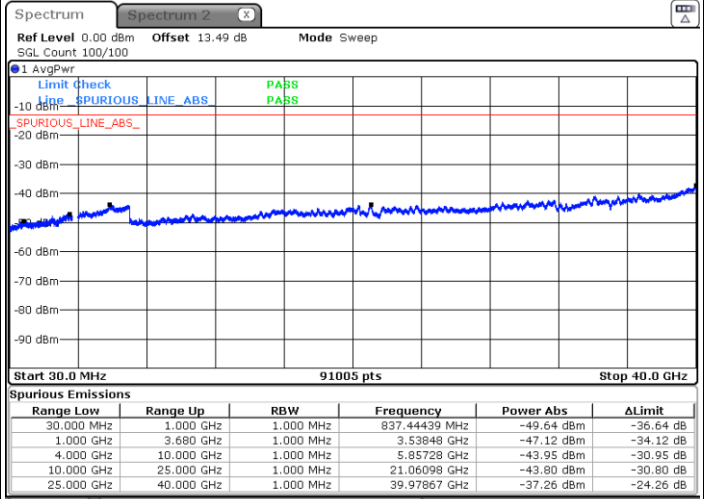
FR1 n77 / 100MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

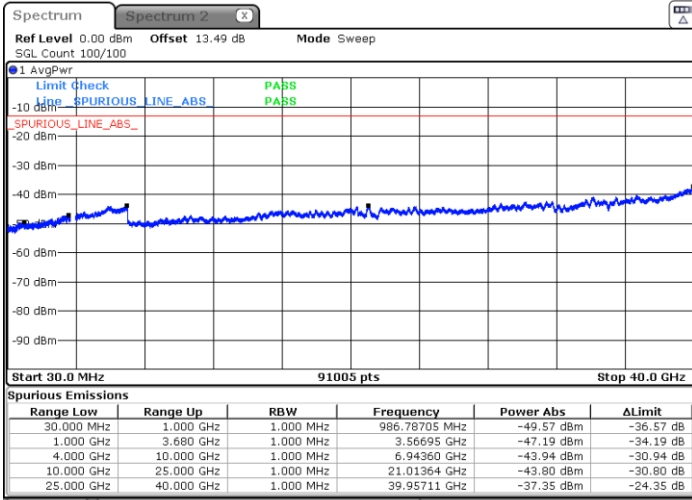


Date: 8.APR.2021 03:02:21



Date: 8.APR.2021 03:03:51

Highest Channel / 1RB1



Date: 8.APR.2021 03:15:50



Frequency Stability

Test Conditions		FR1 n77 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 100MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0020	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0016	
20	Battery End Point	0.0011	

Note:

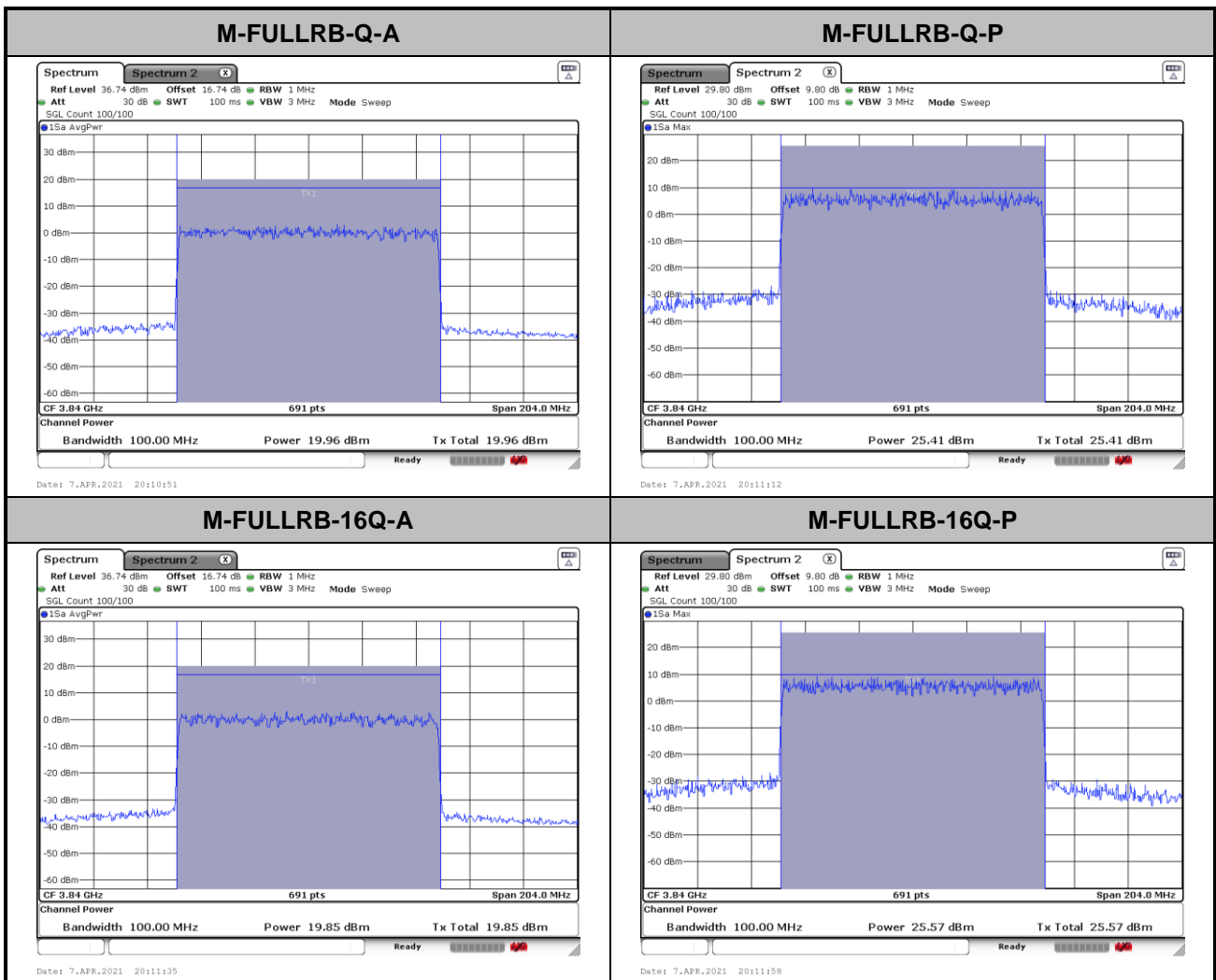
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.40 V. ; Maximum Voltage =4.30 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

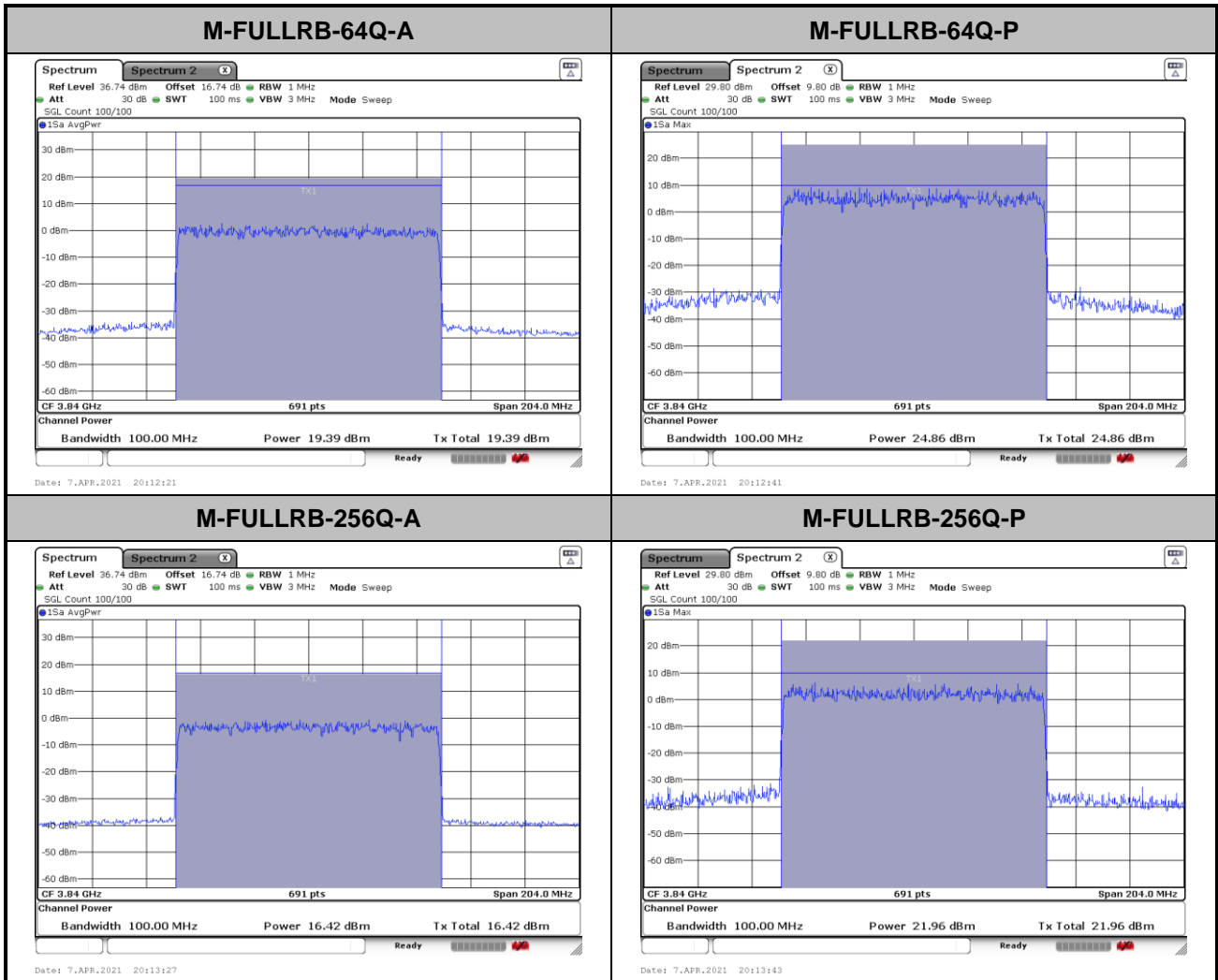


5G NR n77 UL MIMO

Peak-to-Average Ratio

Mode	FR1 n77 / 100MHz / CP OFDM				Limit: 13dB
Mod.	QPSK	16QAM	64QAM	256QAM	
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.45	5.72	5.47	5.54	PASS

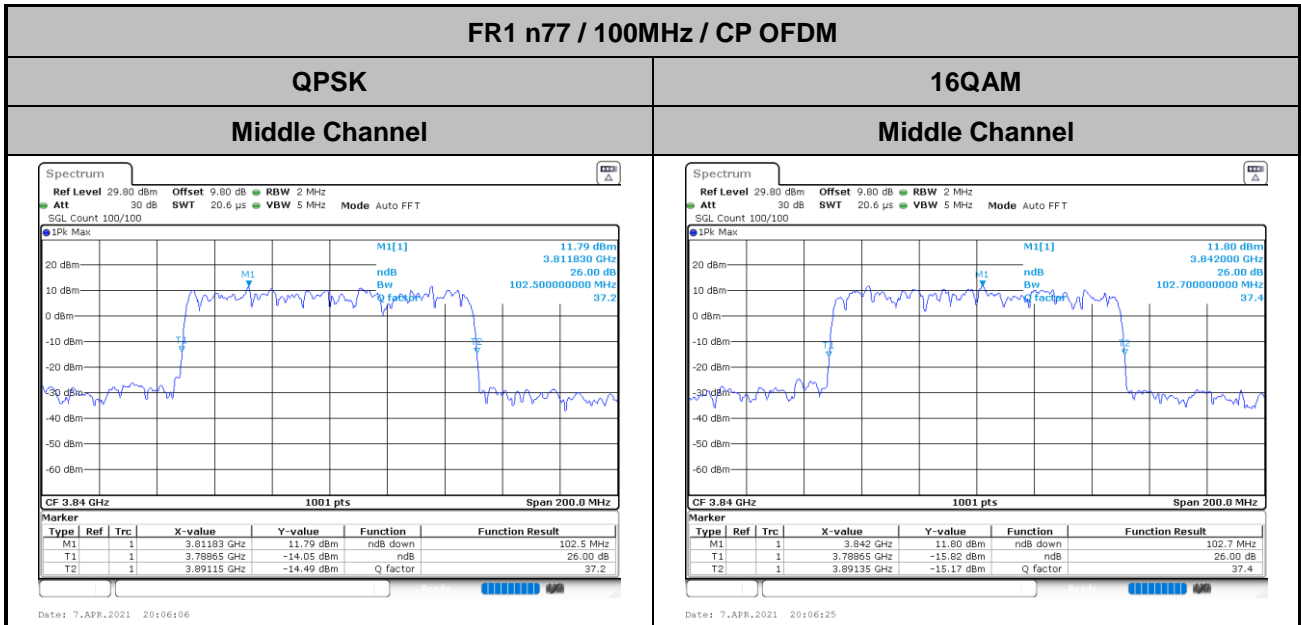






26dB Bandwidth

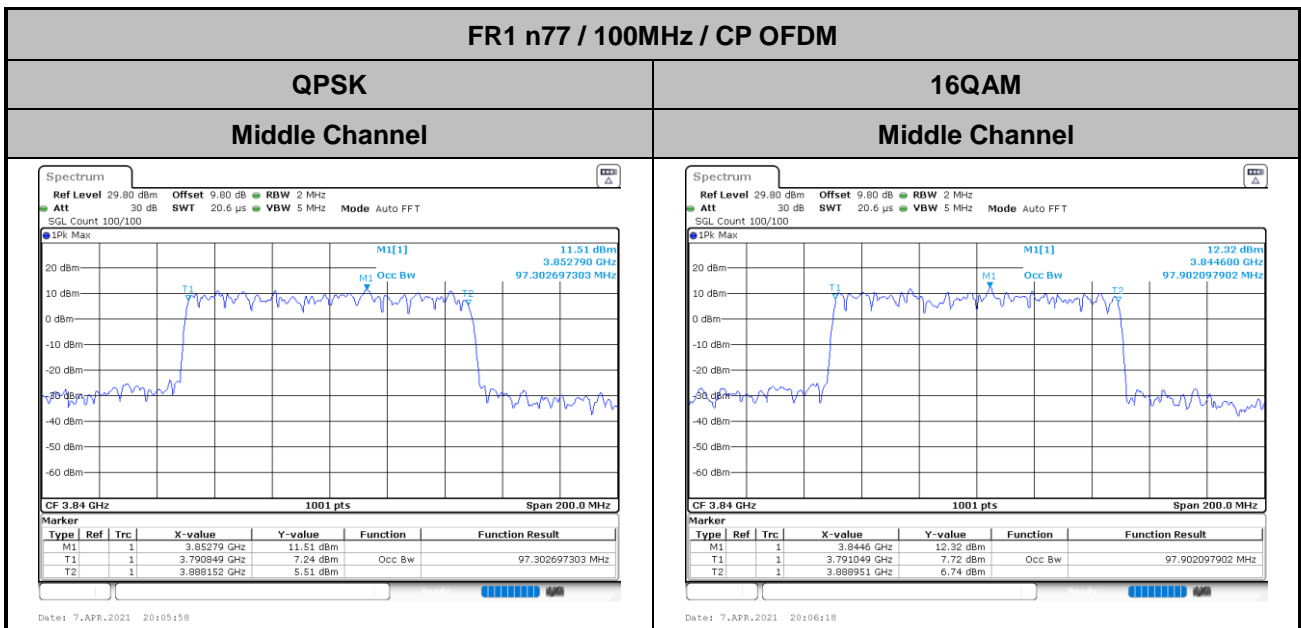
Mode	FR1 n77 : 26dB BW(MHz) / CP OFDM	
BW	100MHz	
Mod.	QPSK	16QAM
Middle CH	102.5	102.7





Occupied Bandwidth

Mode	FR1 n77 : OB BW(MHz) / CP OFDM	
BW	100MHz	
Mod.	QPSK	16QAM
Middle CH	97.30	97.90

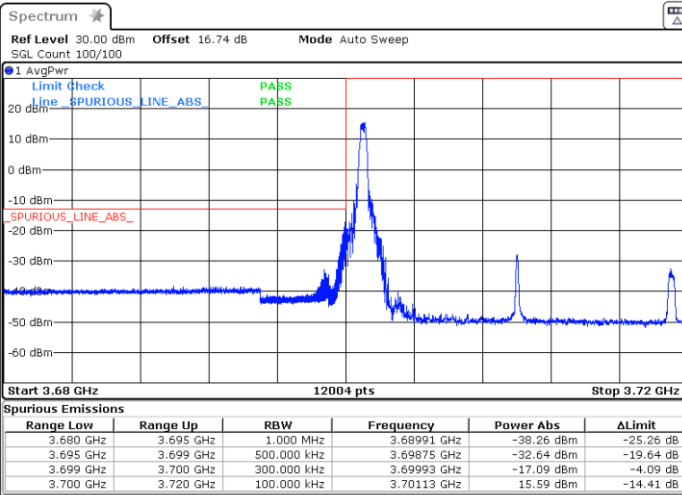




Conducted Band Edge

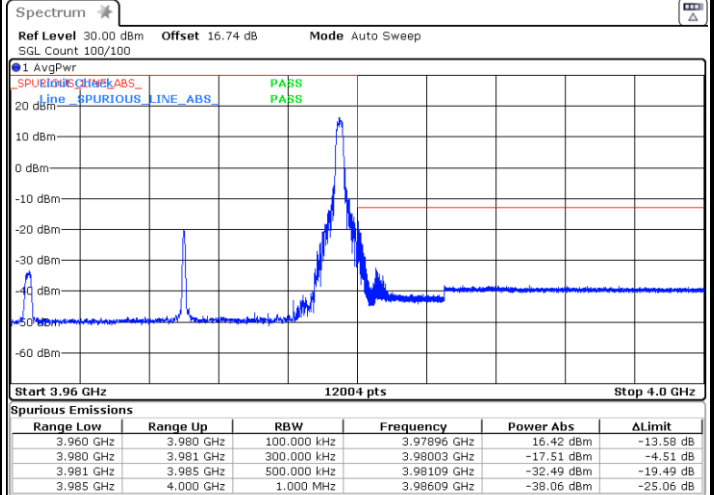
FR1 n77 / 20MHz / CP OFDM / QPSK

Lowest Band Edge / 1RB0



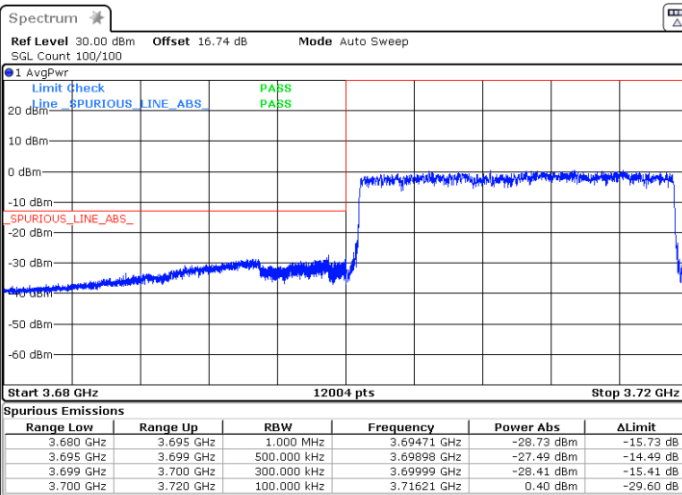
Date: 7.APR.2021 16:44:20

Highest Band Edge / 1RBmax



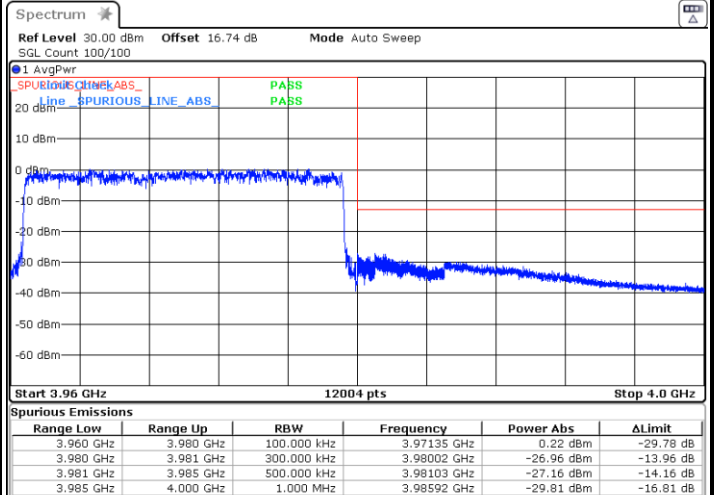
Date: 7.APR.2021 16:46:25

Lowest Band Edge / Full RB



Date: 7.APR.2021 16:40:39

Highest Band Edge / Full RB



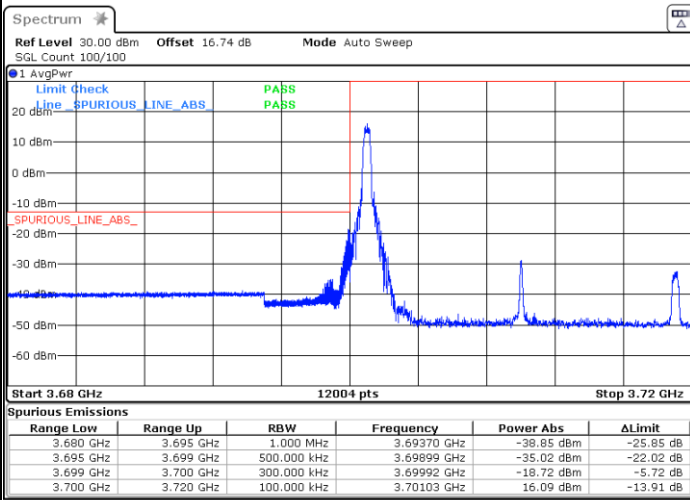
Date: 7.APR.2021 16:46:49



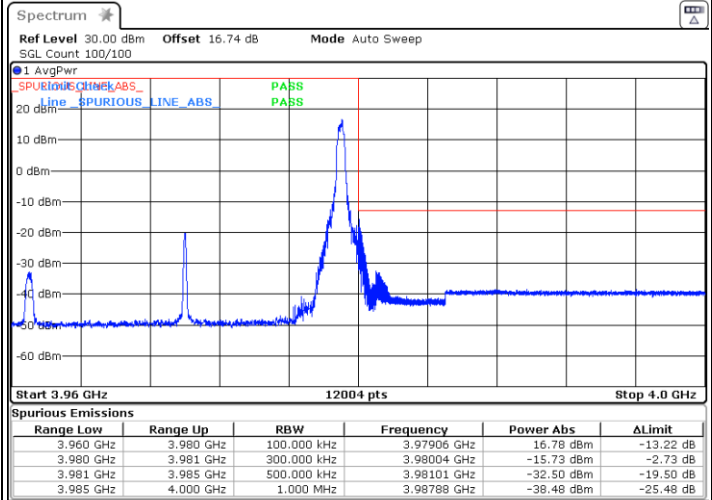
FR1 n77 / 20MHz / CP OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



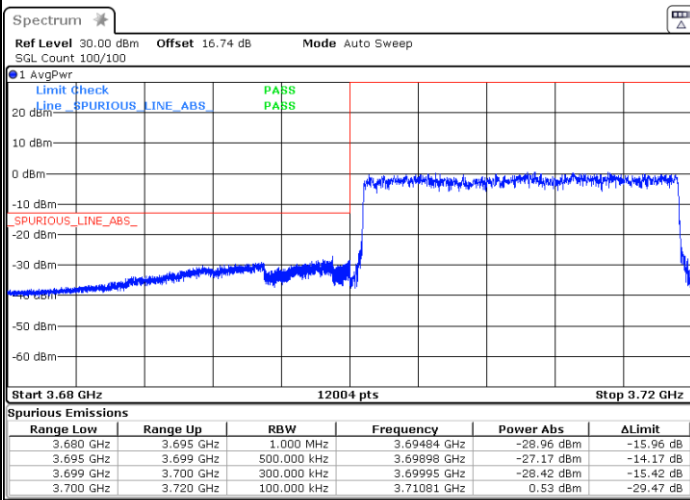
Date: 7.APR.2021 16:44:45



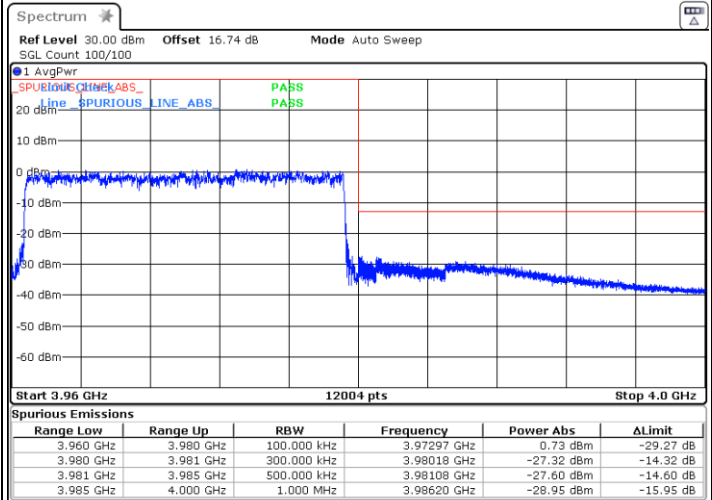
Date: 7.APR.2021 16:48:46

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7.APR.2021 16:42:13



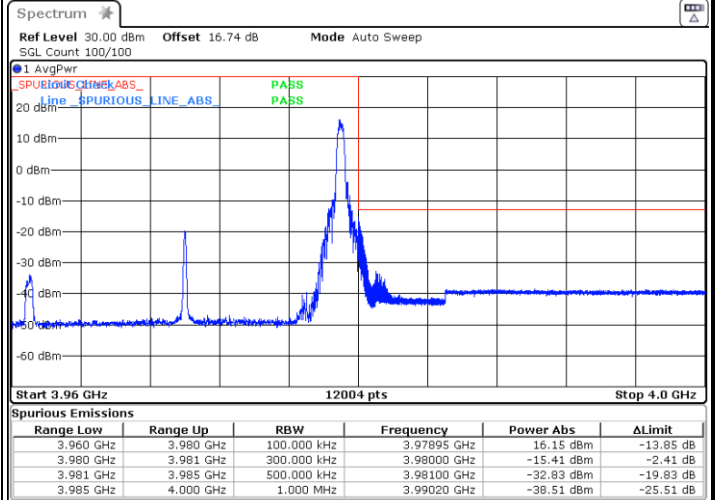
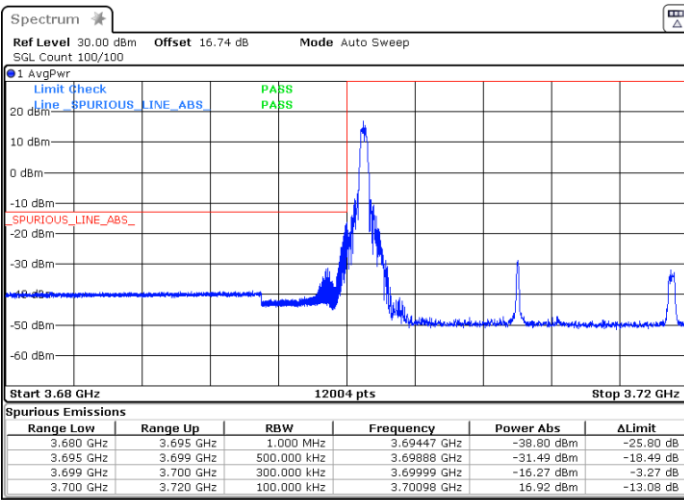
Date: 7.APR.2021 16:47:11



FR1 n77 /20MHz / CP OFDM / 64Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

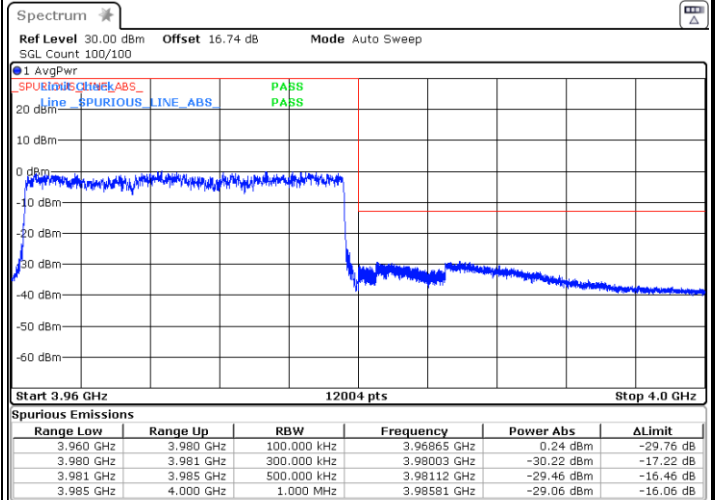
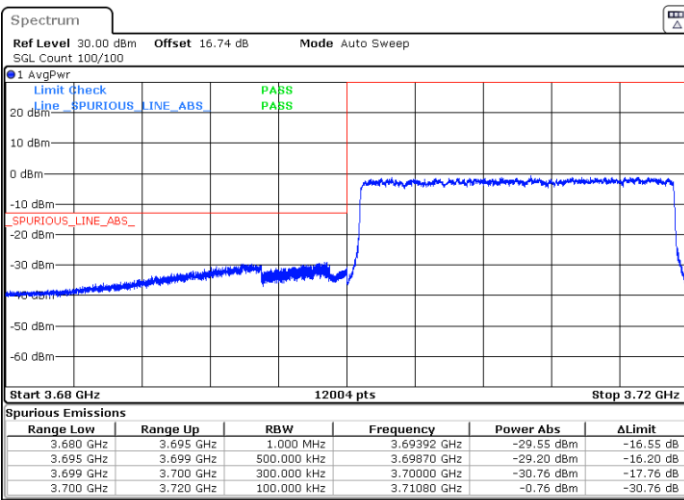


Date: 7.APR.2021 16:45:07

Date: 7.APR.2021 16:49:12

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7.APR.2021 16:42:51

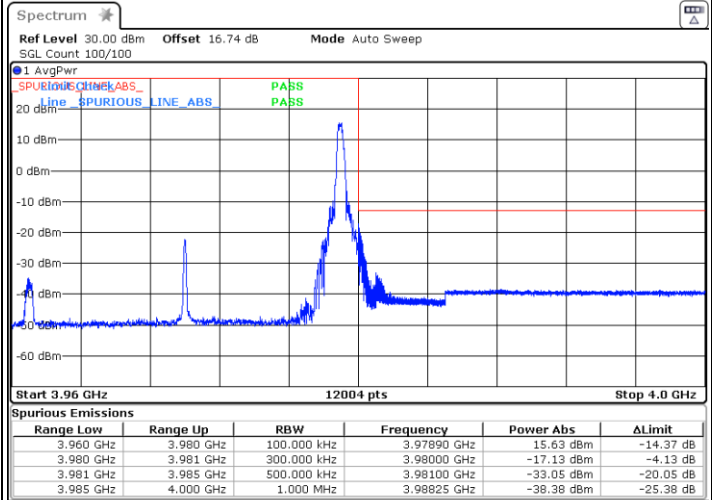
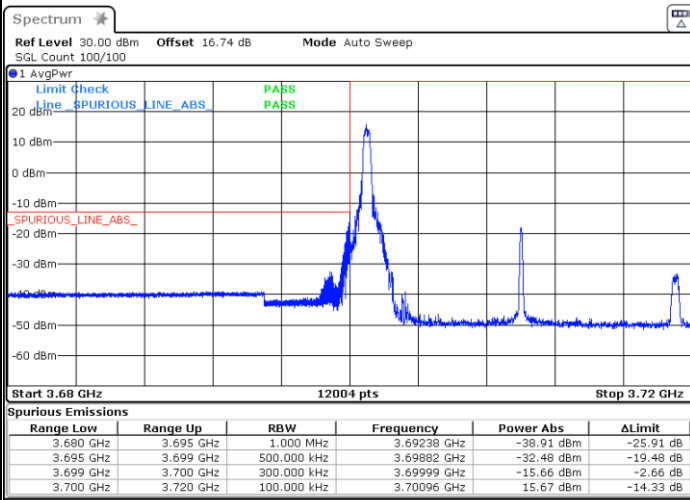
Date: 7.APR.2021 16:47:33



FR1 n77 /20MHz / CP OFDM / 256Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

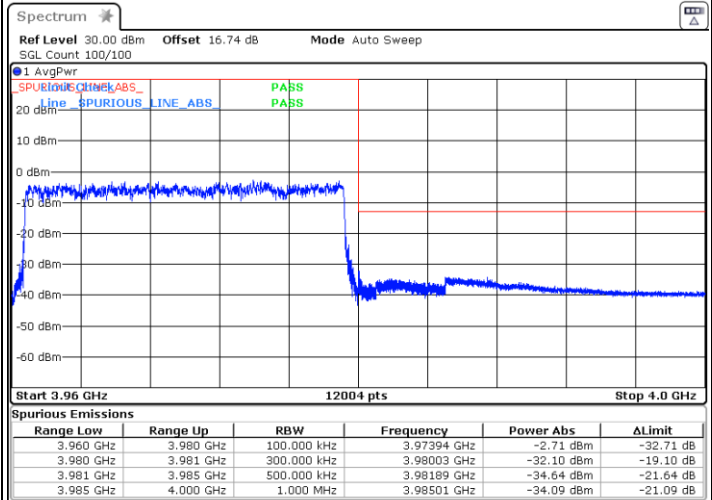
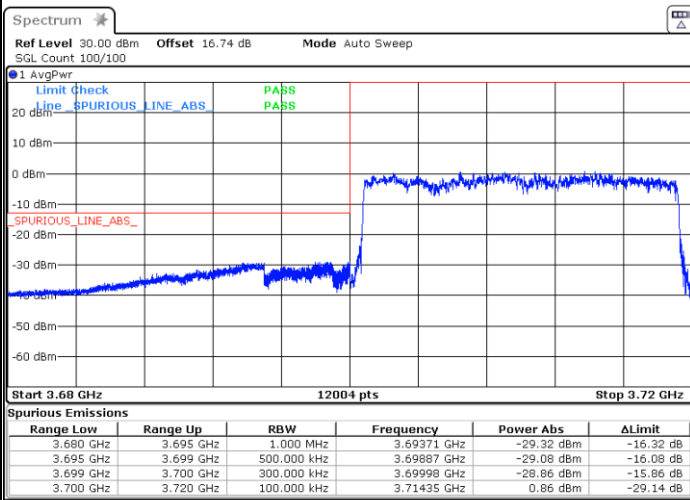


Date: 7.APR.2021 16:45:50

Date: 7.APR.2021 16:49:38

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7.APR.2021 16:43:44

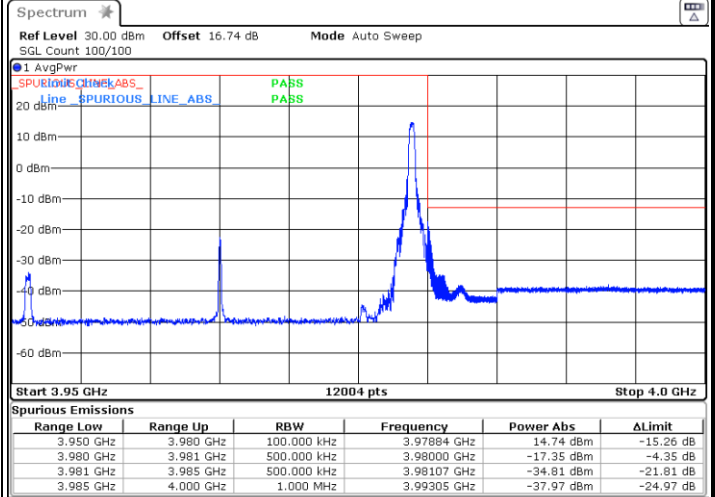
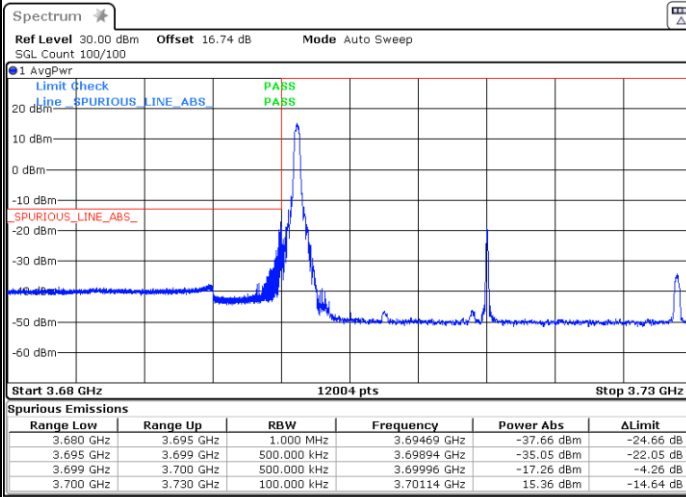
Date: 7.APR.2021 16:47:53



FR1 n77 / 30MHz / CP OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

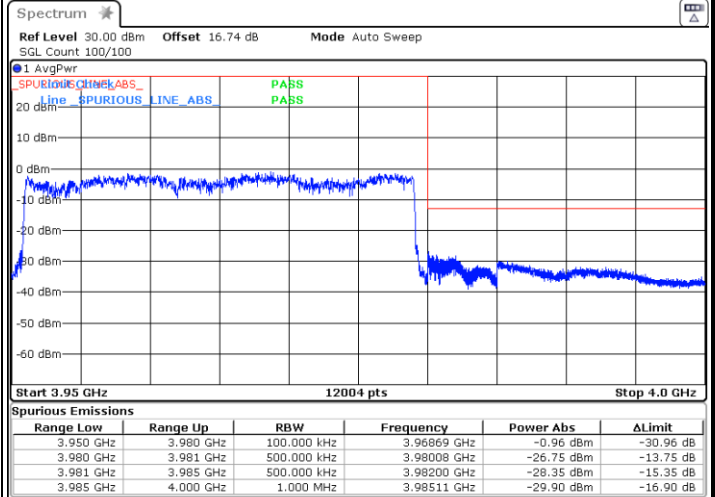
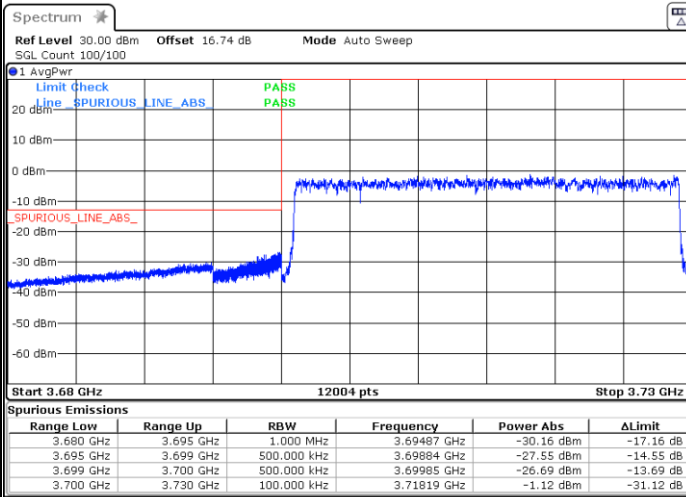


Date: 7.APR.2021 19:37:35

Date: 7.APR.2021 19:42:19

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7.APR.2021 19:20:31

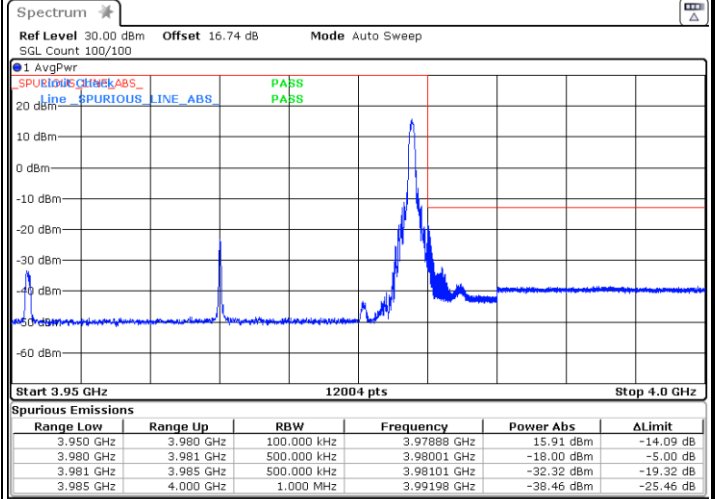
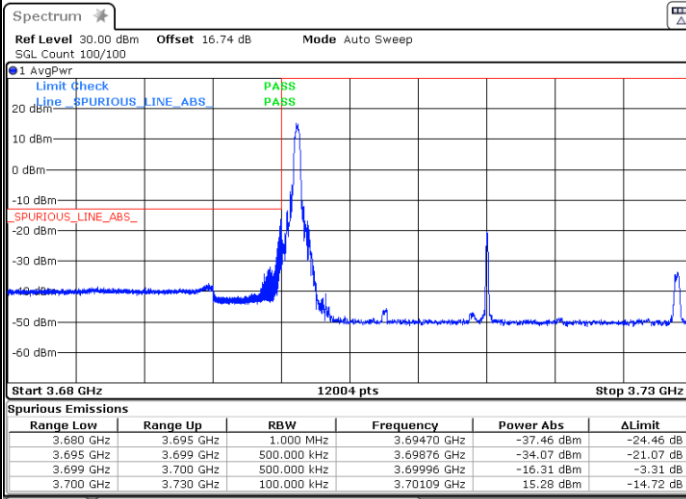
Date: 7.APR.2021 19:40:16



FR1 n77 / 30MHz / CP OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

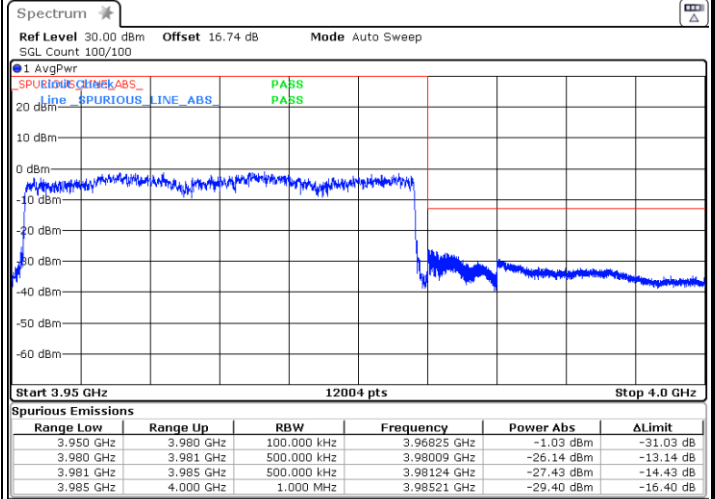
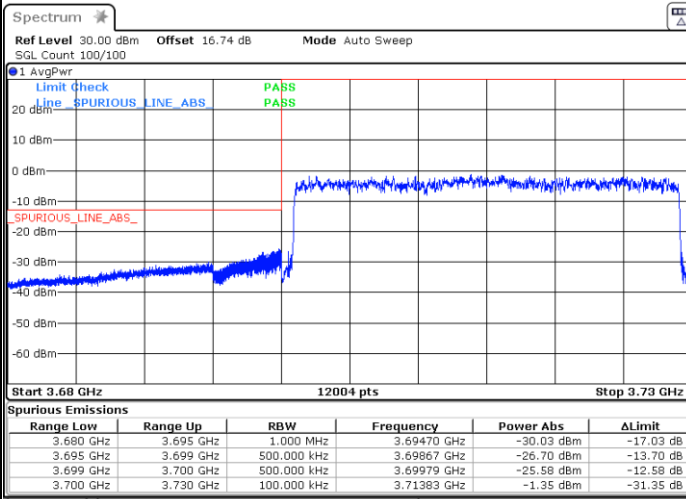


Date: 7.APR.2021 19:38:05

Date: 7.APR.2021 19:42:41

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7.APR.2021 19:21:40

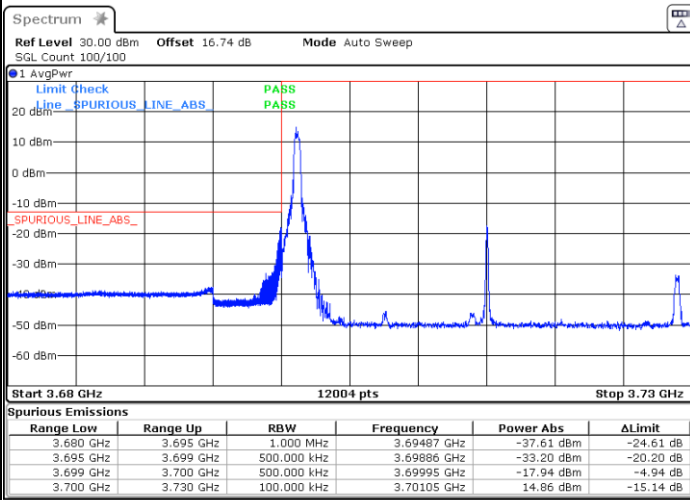
Date: 7.APR.2021 19:40:43



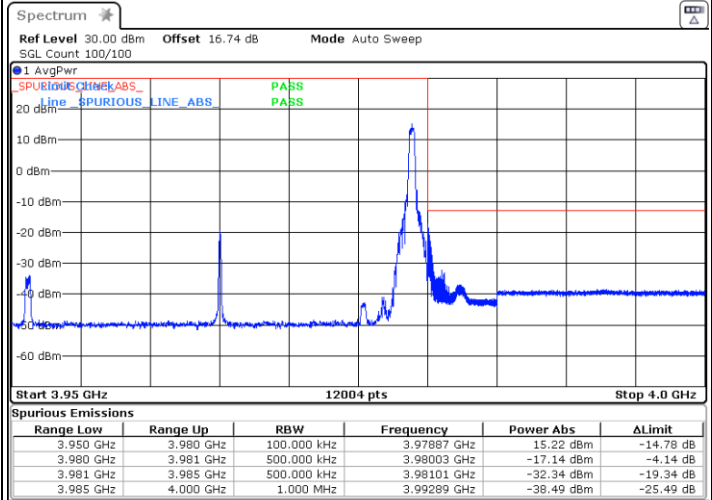
FR1 n77 /30MHz / CP OFDM / 64Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



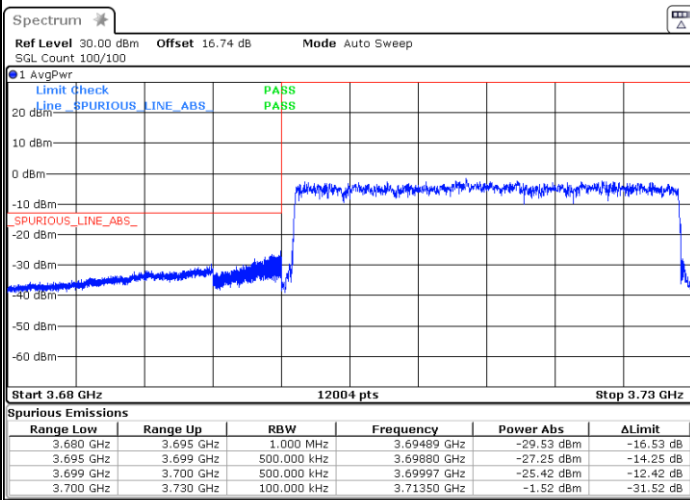
Date: 7.APR.2021 19:38:29



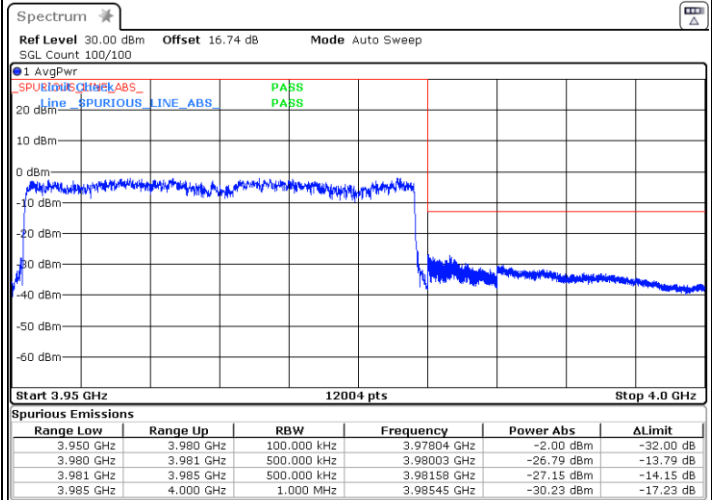
Date: 7.APR.2021 19:43:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 7.APR.2021 19:22:03



Date: 7.APR.2021 19:41:06