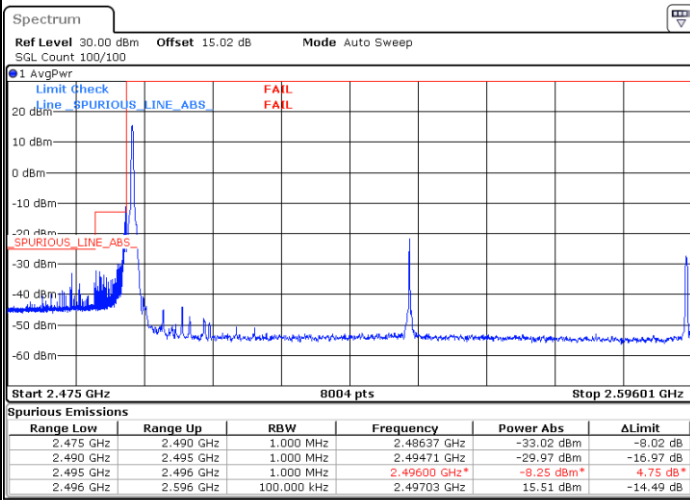




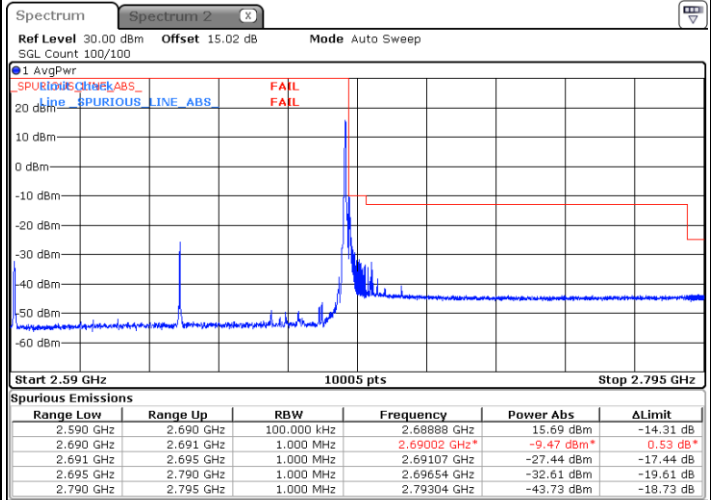
FR1 n41 / 100MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



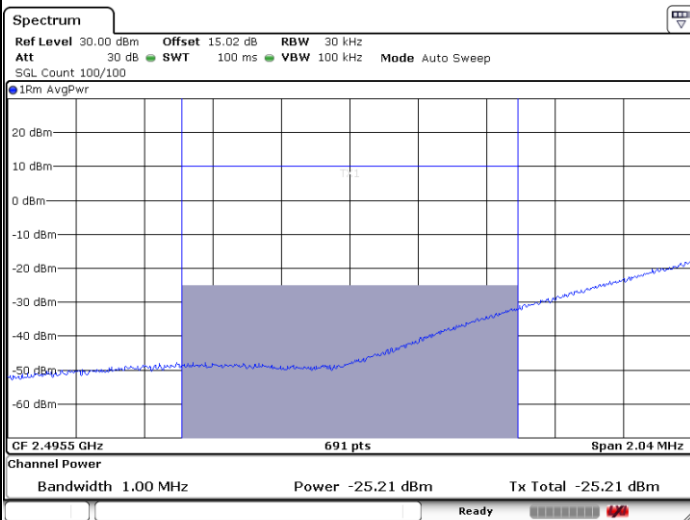
Date: 3 APR 2021 12:30:42



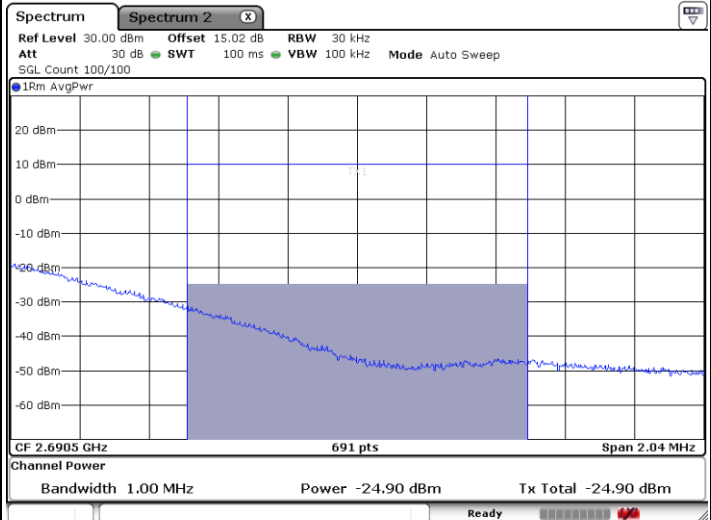
Date: 3 APR 2021 13:14:17

Channel Power < -13dBm Pass

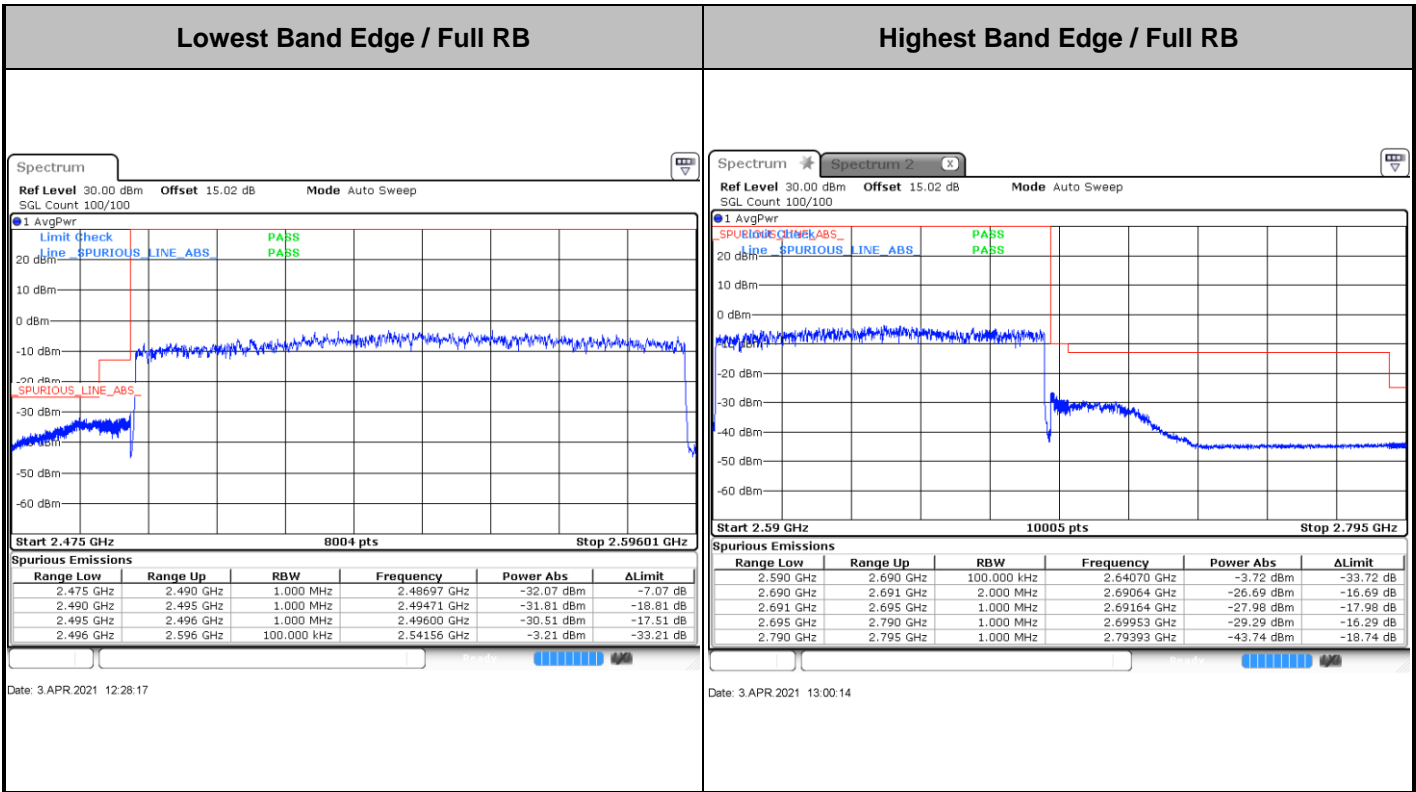
Channel Power < -10dBm Pass



Date: 3 APR 2021 12:33:58



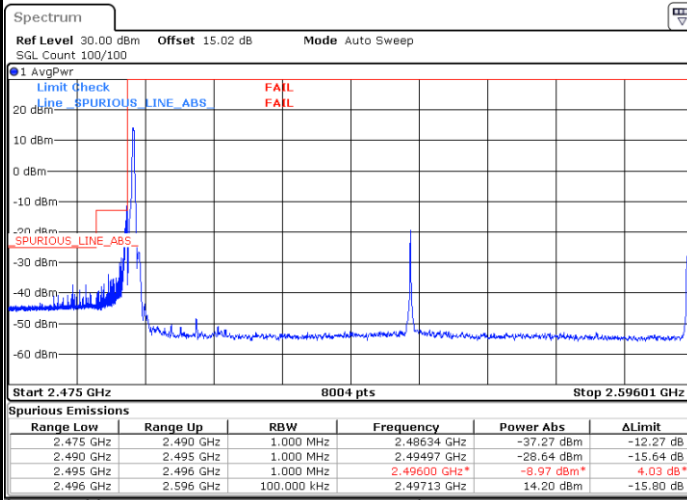
Date: 3 APR 2021 13:20:55





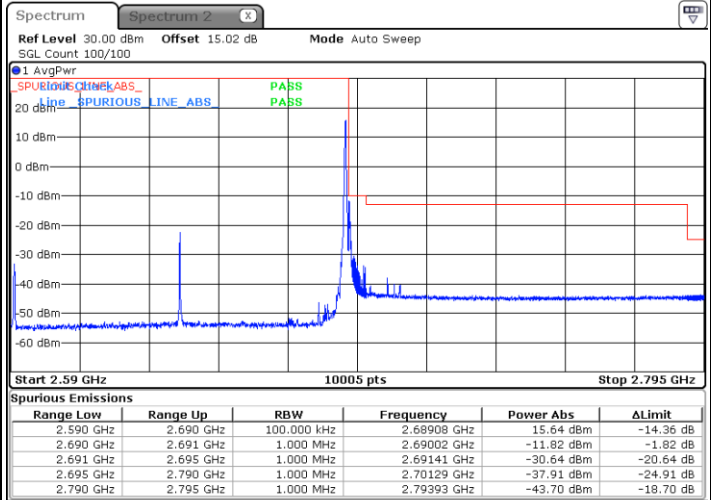
FR1 n41 / 100MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0



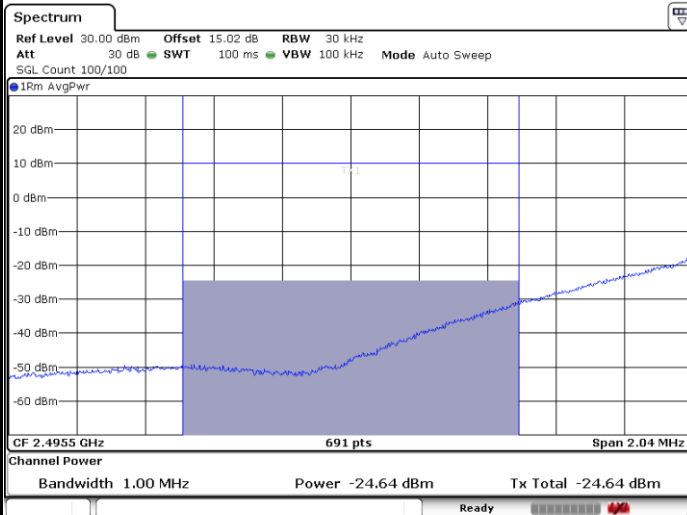
Date: 3 APR 2021 12:30:17

Highest Band Edge / 1RB24

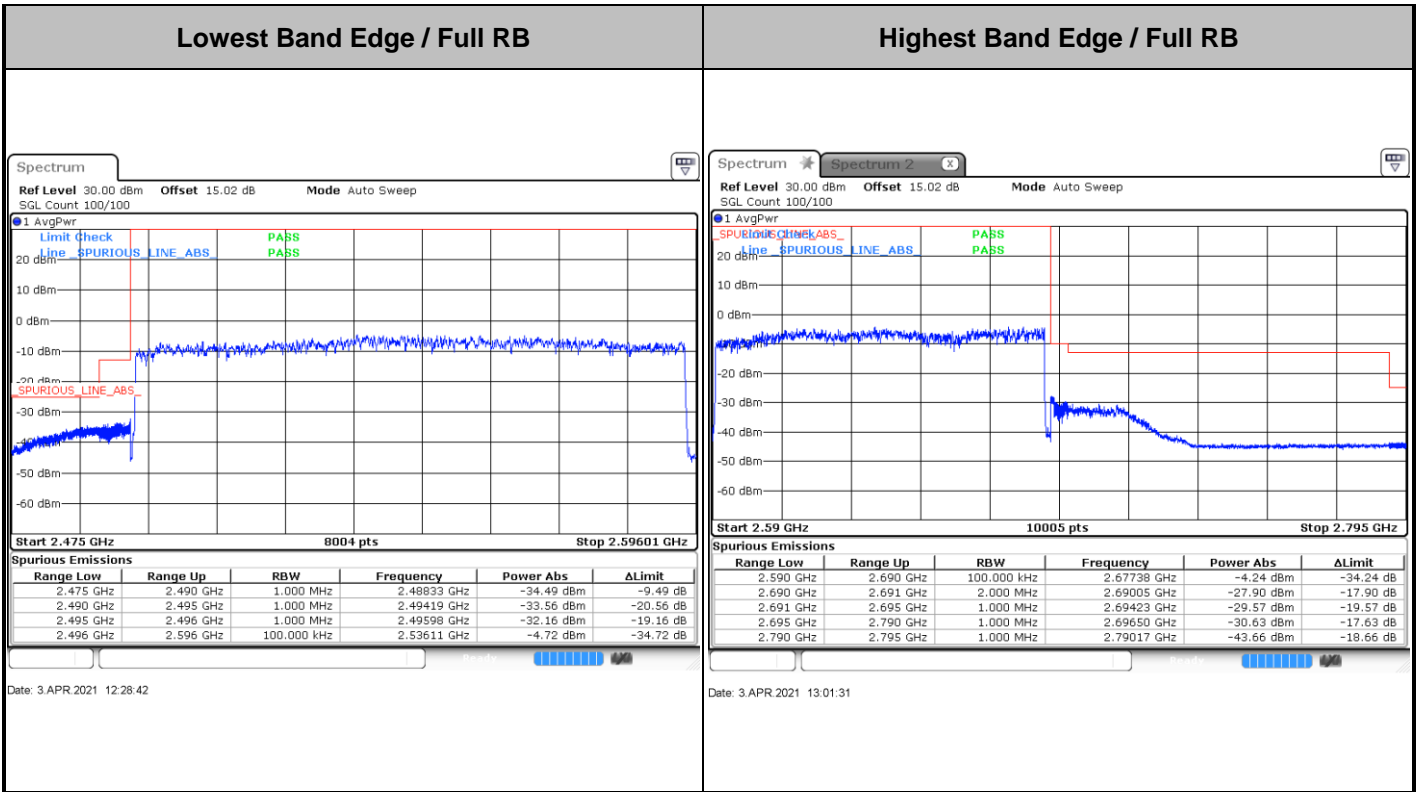


Date: 3 APR 2021 13:14:48

Channel Power < -13dBm Pass



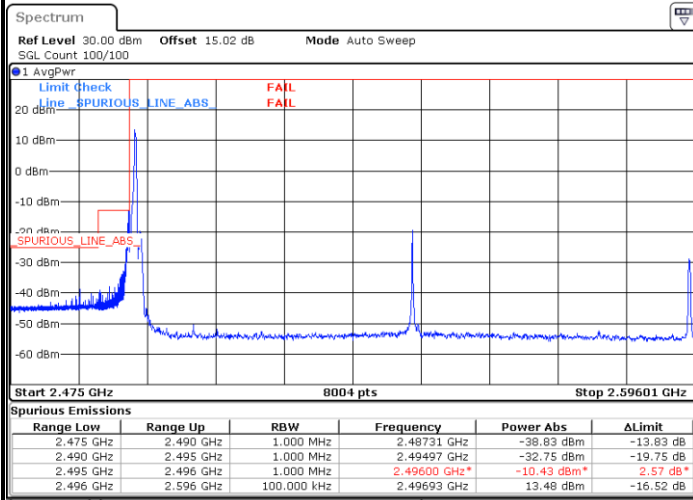
Date: 3 APR 2021 12:34:24





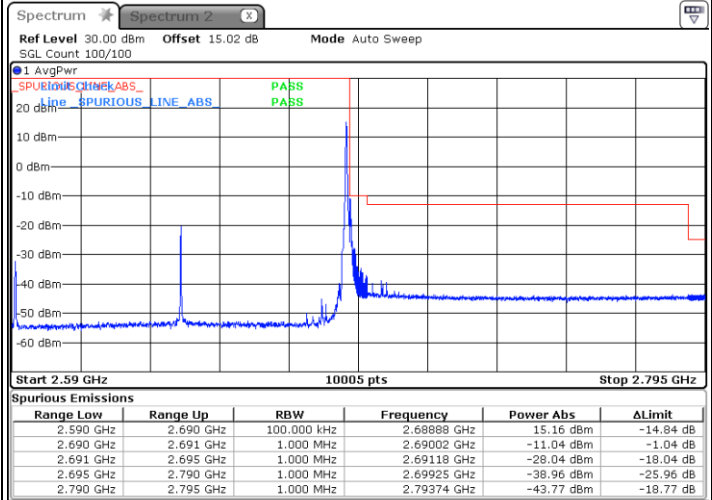
FR1 n41 / 100MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0



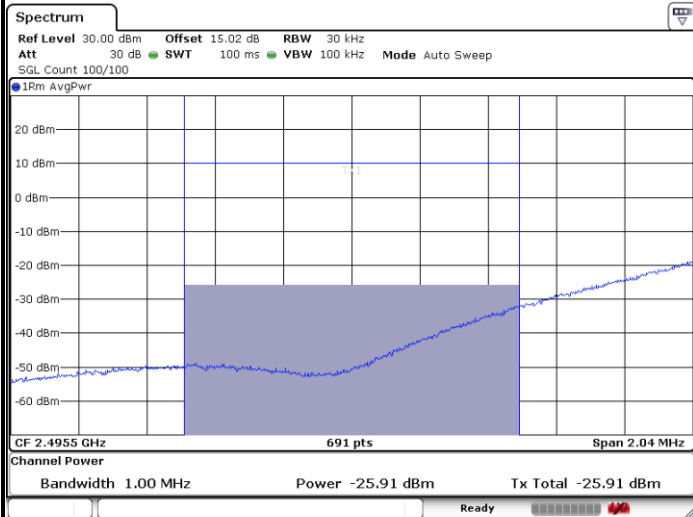
Date: 3 APR 2021 12:29:53

Highest Band Edge / 1RB24

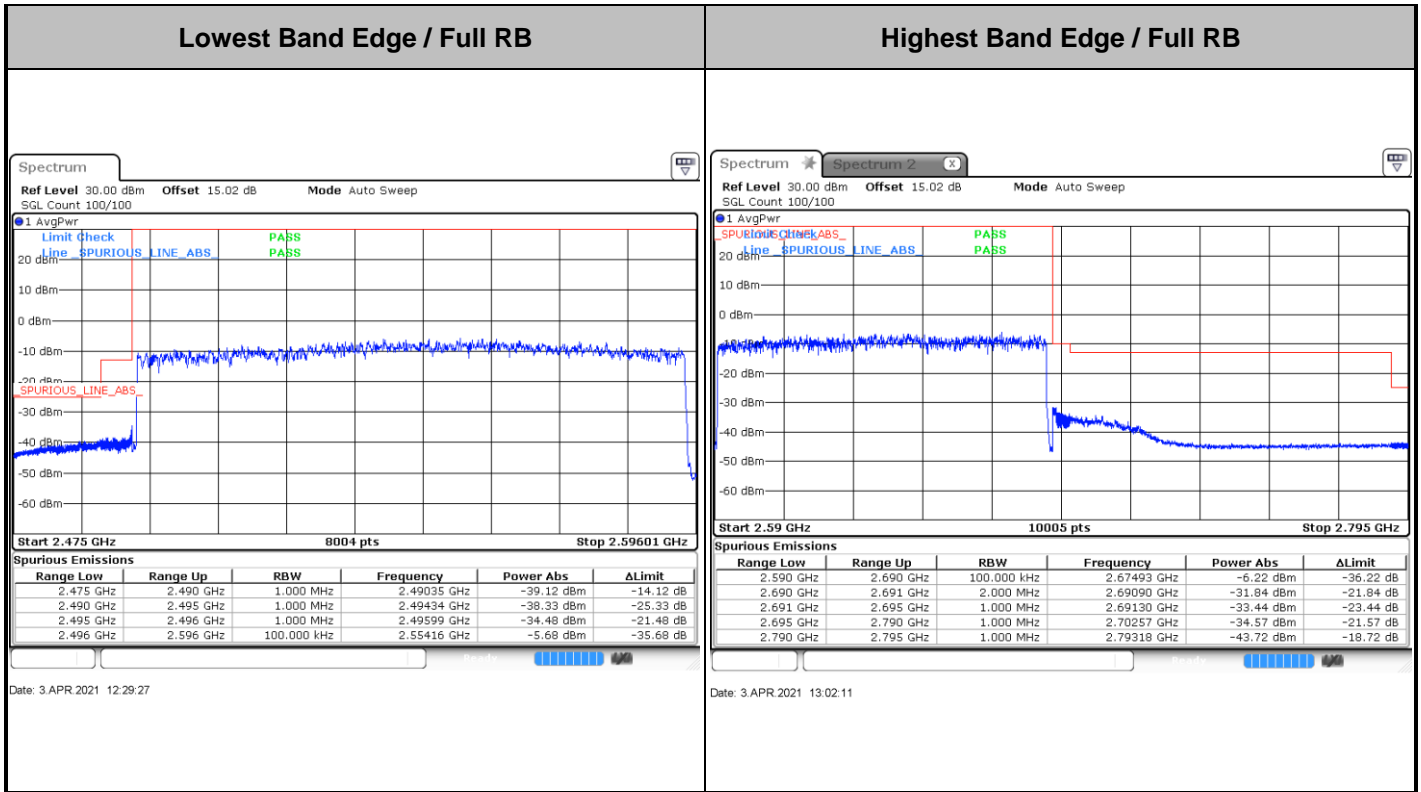


Date: 3 APR 2021 13:17:39

Channel Power < -13dBm Pass

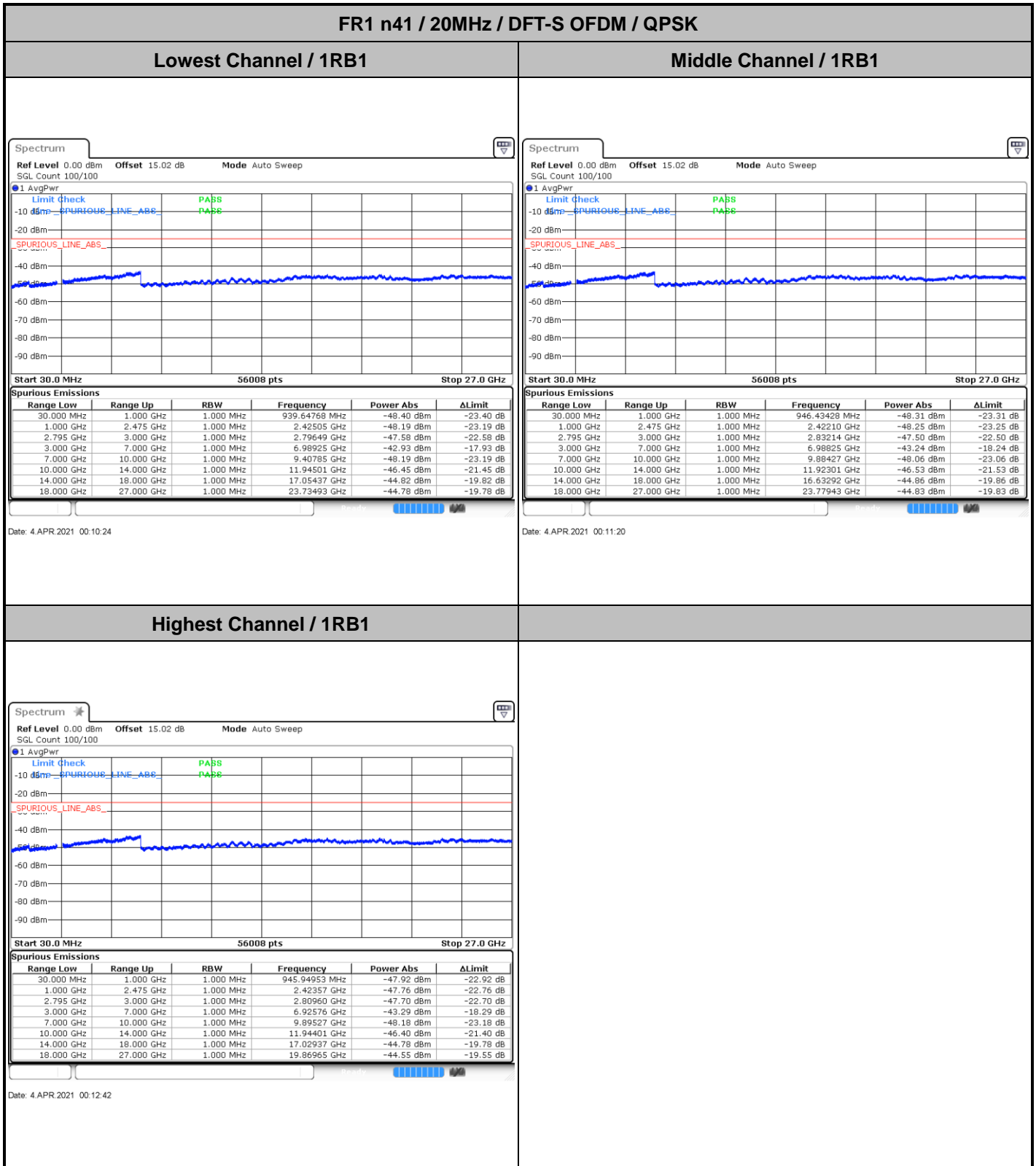


Date: 3 APR 2021 12:35:12





# Conducted Spurious Emission



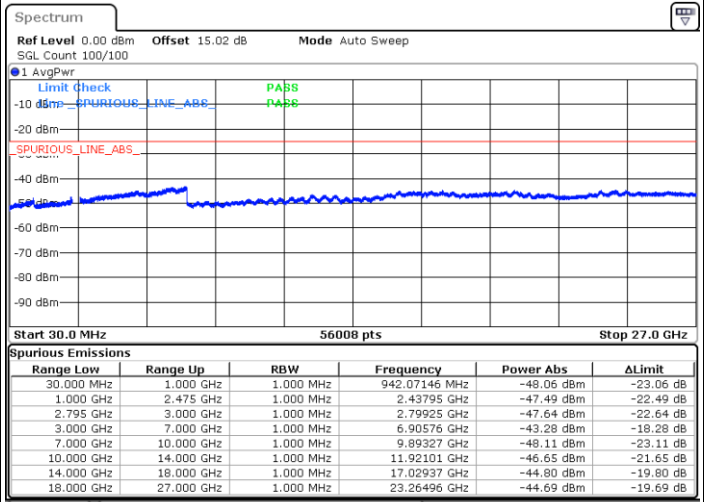
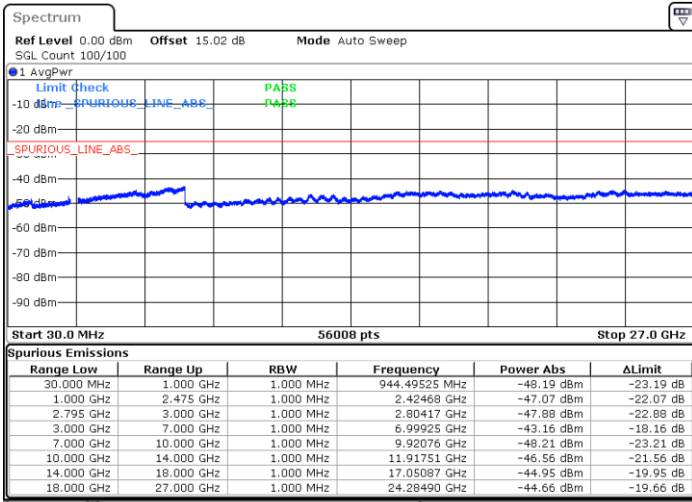




FR1 n41 / 30MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

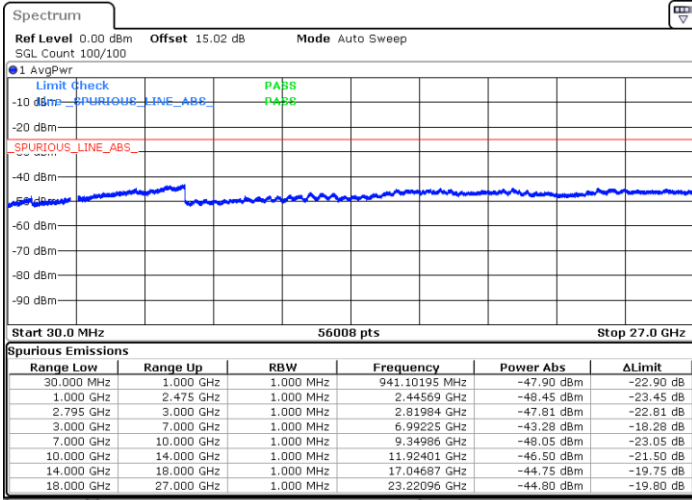
Middle Channel / 1RB1



Date: 4 APR 2021 00:27:45

Date: 4 APR 2021 00:29:05

Highest Channel / 1RB1



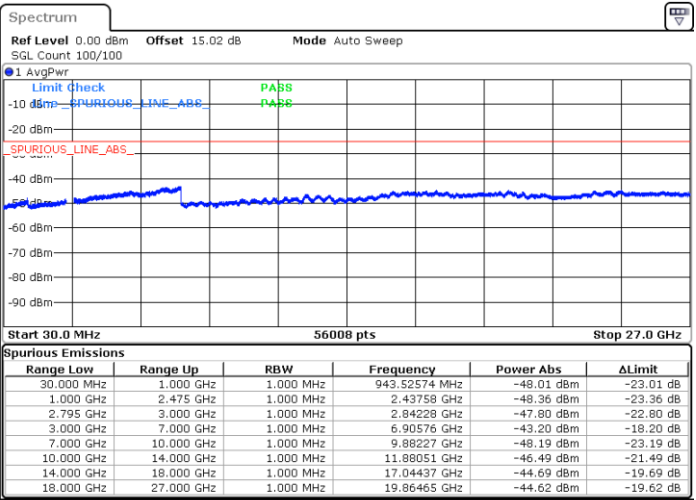
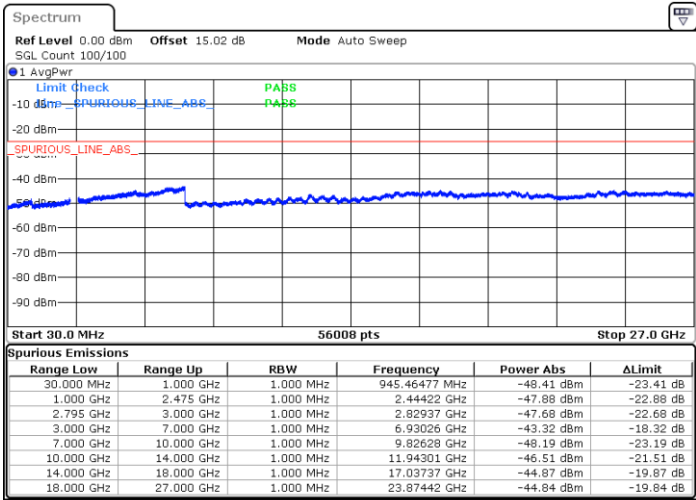
Date: 4 APR 2021 00:31:06



FR1 n41 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

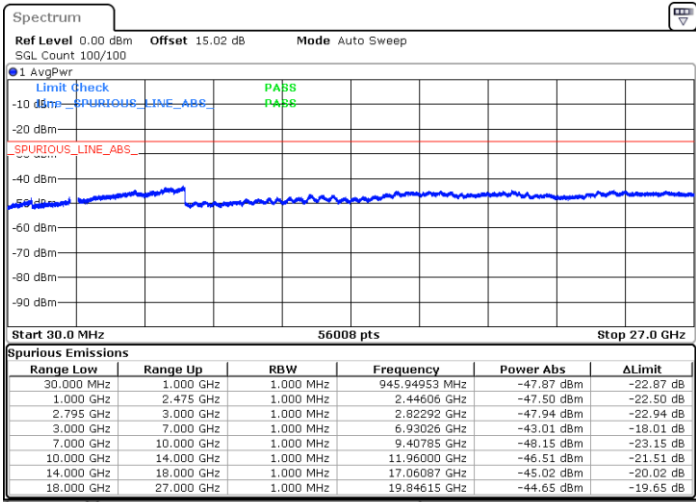
Middle Channel / 1RB1



Date: 4 APR 2021 00:14:07

Date: 4 APR 2021 00:14:58

Highest Channel / 1RB1



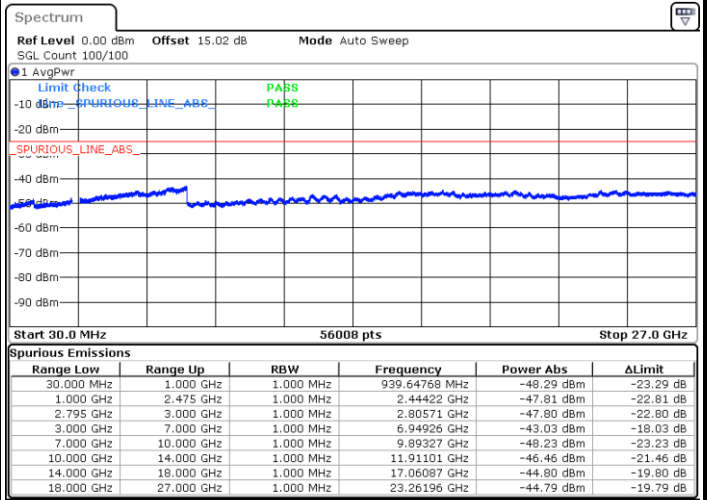
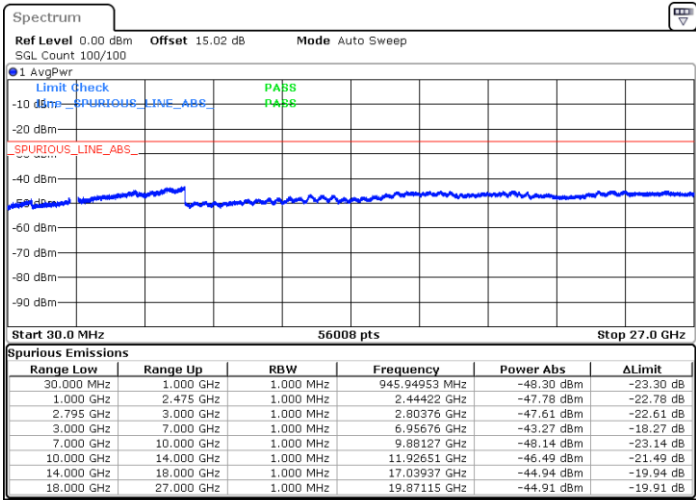
Date: 4 APR 2021 00:15:57



FR1 n41 / 50MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

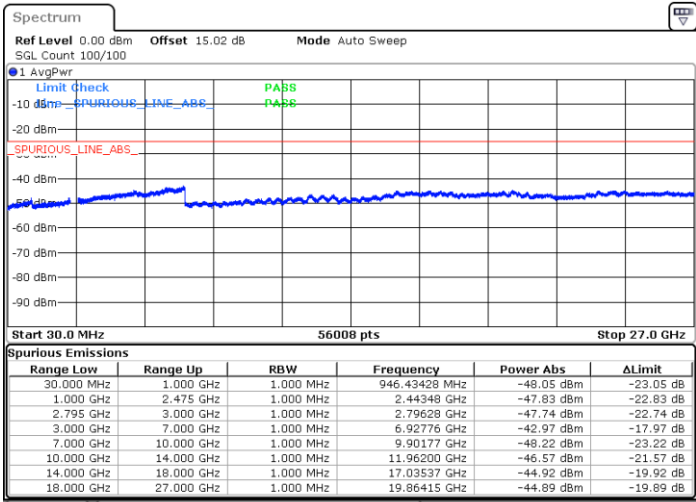
Middle Channel / 1RB1



Date: 4 APR 2021 00:17:06

Date: 4 APR 2021 00:19:04

Highest Channel / 1RB1



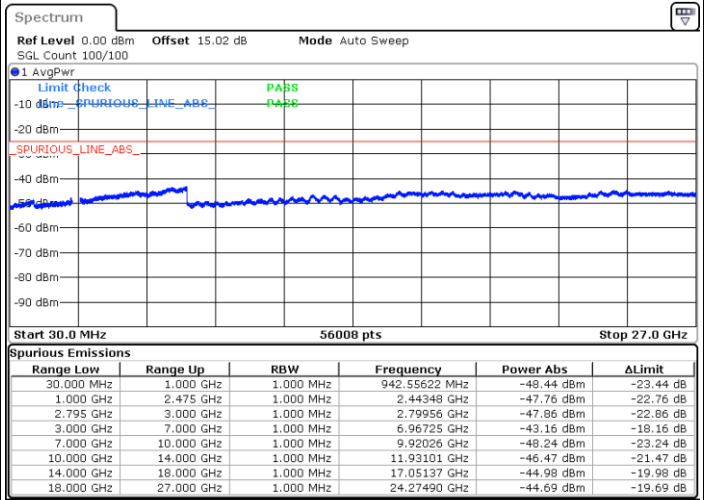
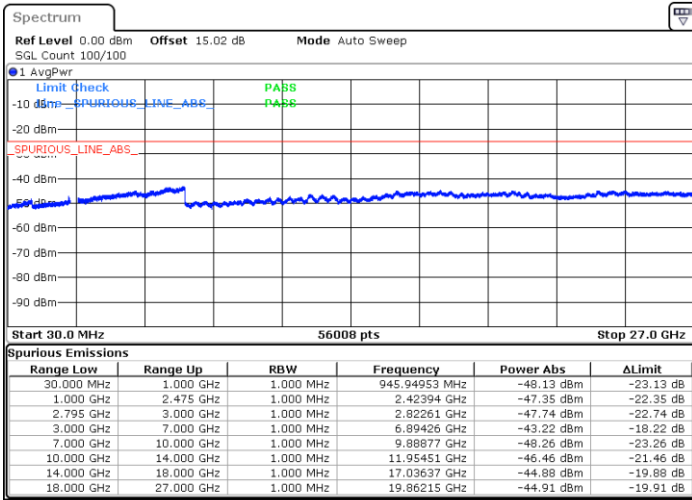
Date: 4 APR 2021 00:20:03



FR1 n41 / 60MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

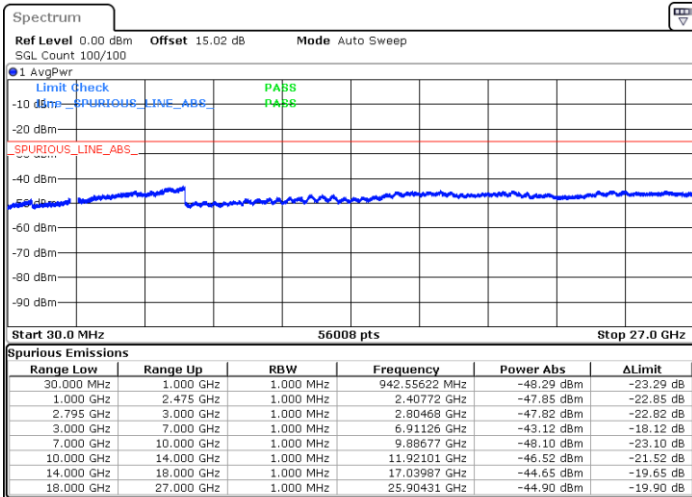
Middle Channel / 1RB1



Date: 4 APR 2021 00:22:05

Date: 4 APR 2021 00:23:30

Highest Channel / 1RB1



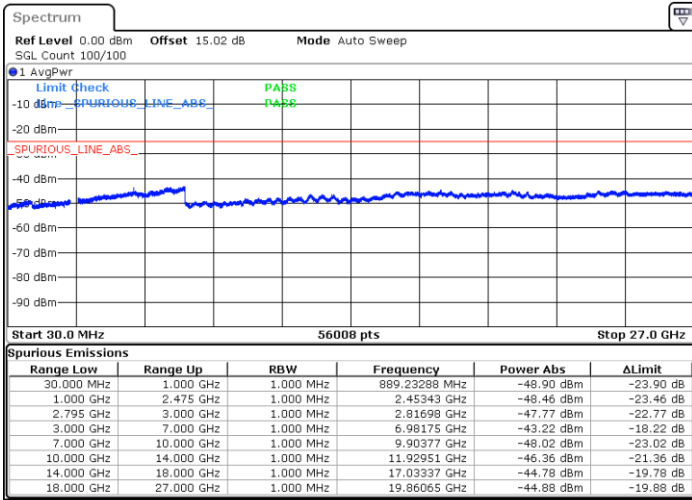
Date: 4 APR 2021 00:25:42



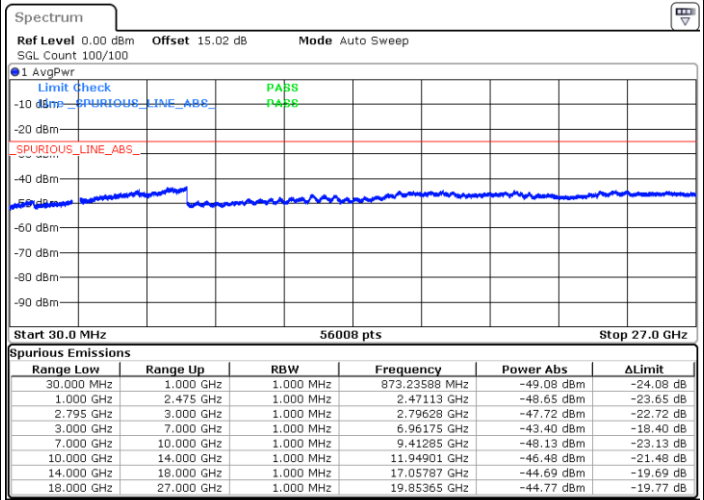
FR1 n41 / 80MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

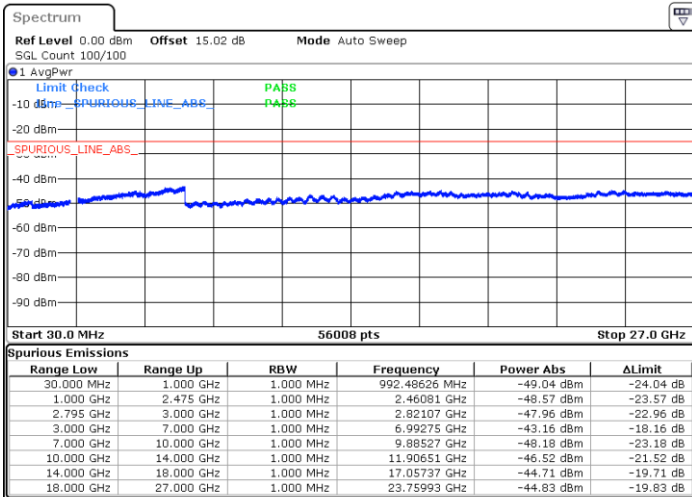


Date: 3 APR 2021 11:24:51



Date: 3 APR 2021 11:31:54

Highest Channel / 1RB1



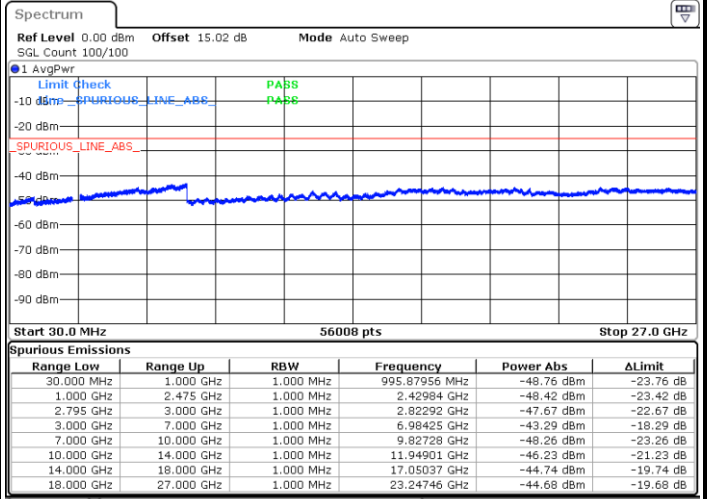
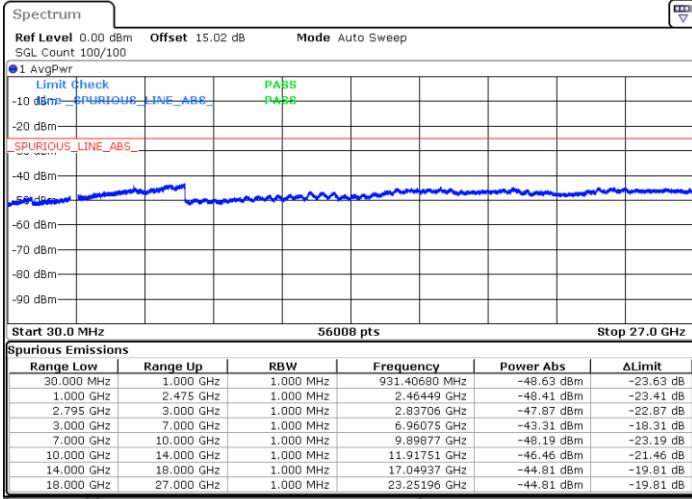
Date: 3 APR 2021 11:33:23



FR1 n41 / 90MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

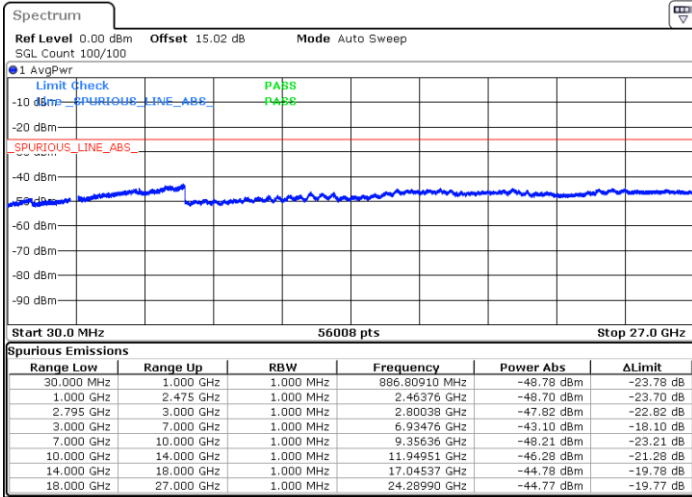
Middle Channel / 1RB1



Date: 3 APR 2021 12:10:49

Date: 3 APR 2021 12:16:57

Highest Channel / 1RB1



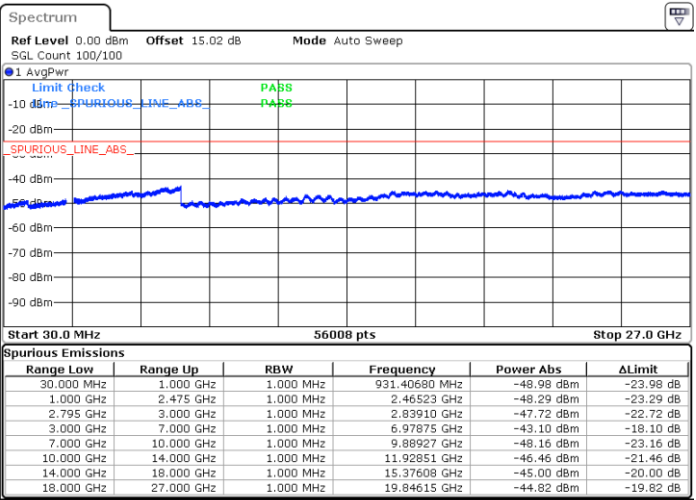
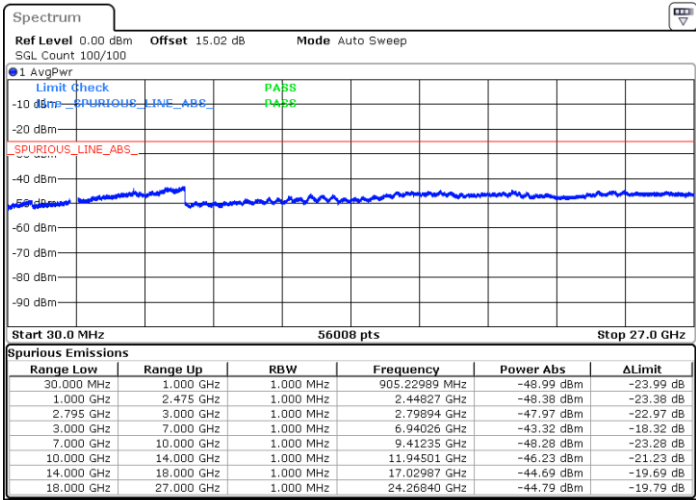
Date: 3 APR 2021 12:18:12



FR1 n41 / 100MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

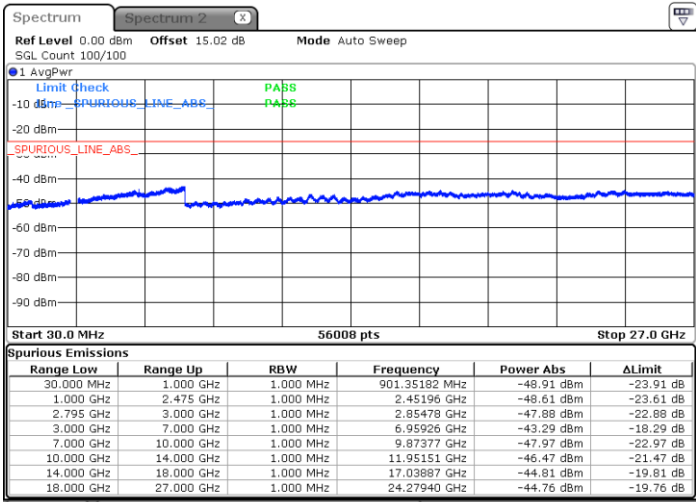
Middle Channel / 1RB1



Date: 3 APR 2021 12:36:24

Date: 3 APR 2021 12:37:50

Highest Channel / 1RB1



Date: 3 APR 2021 13:22:06



Frequency Stability

Test Conditions		FR1 n41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 100MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0029	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0029	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0010	
20	Battery End Point	0.0021	

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.

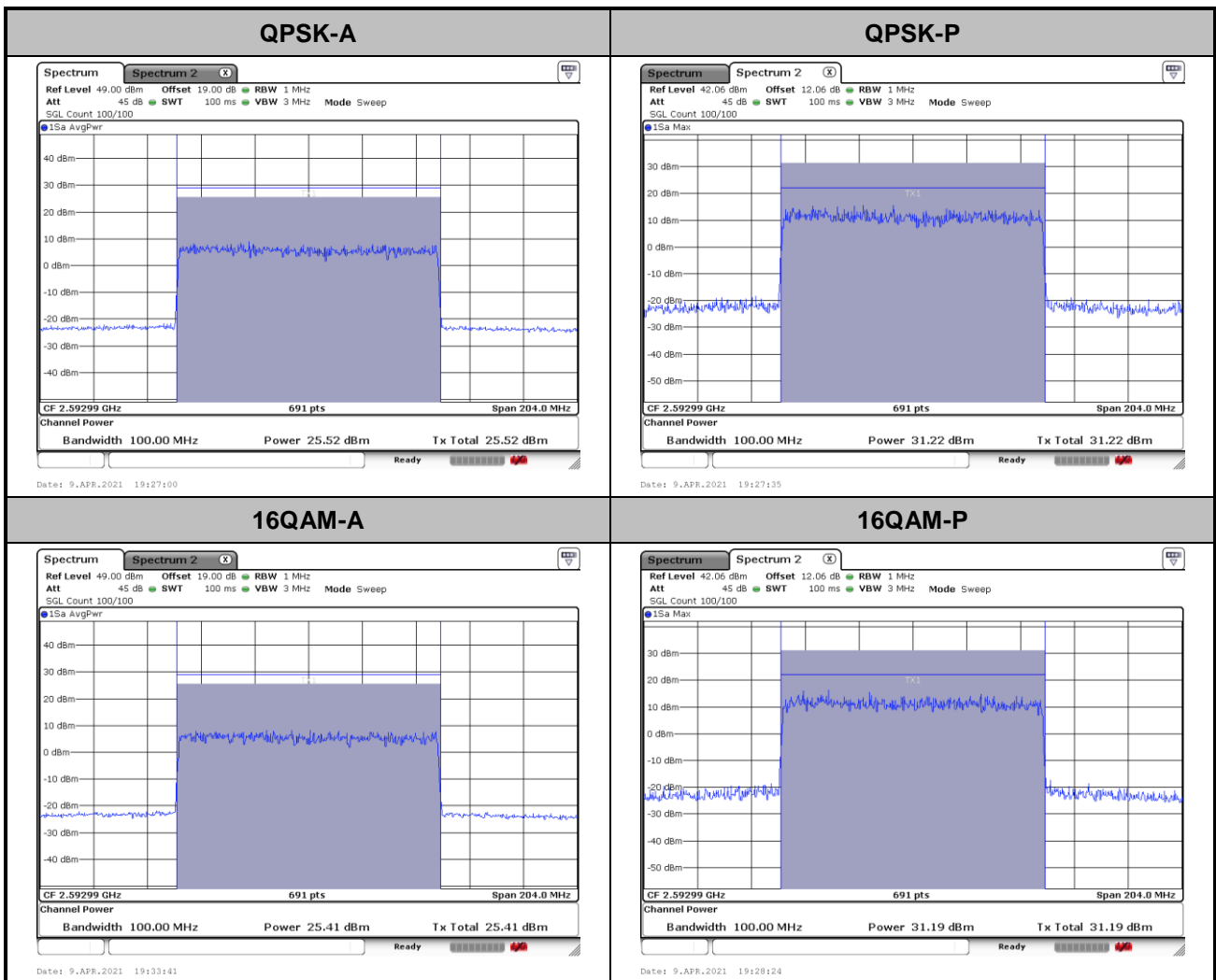


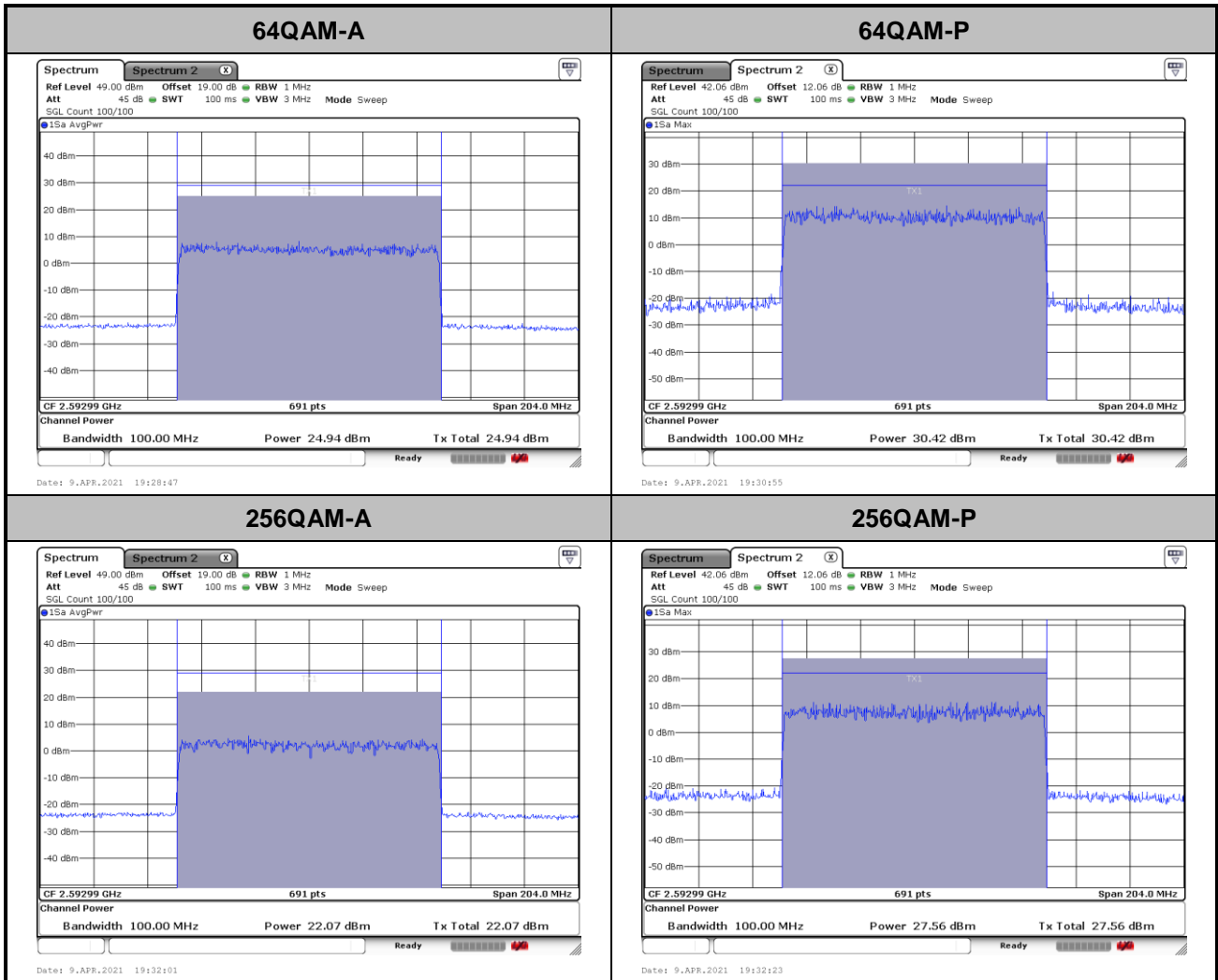


# 5G NR n41 UL MIMO

## Peak-to-Average Ratio

Mode	FR1 n41 / 110MHz / CP OFDM				Limit: 13dB
Mod.	QPSK	16QAM	64QAM	256QAM	
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.7	5.78	5.48	5.49	<b>PASS</b>

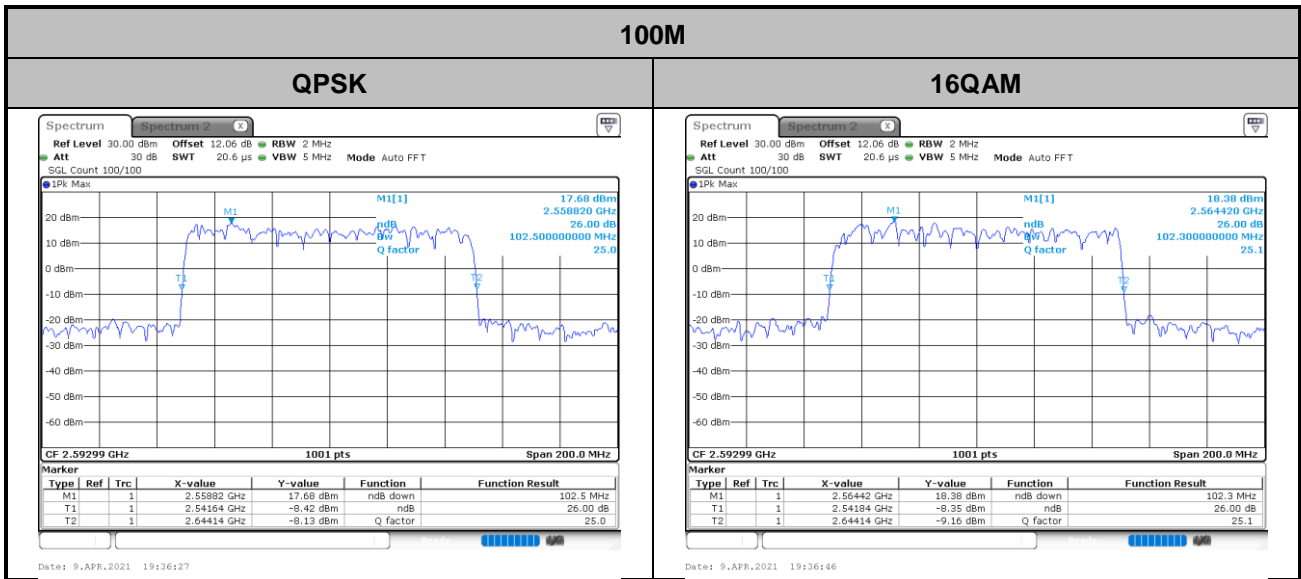






## 26dB Bandwidth

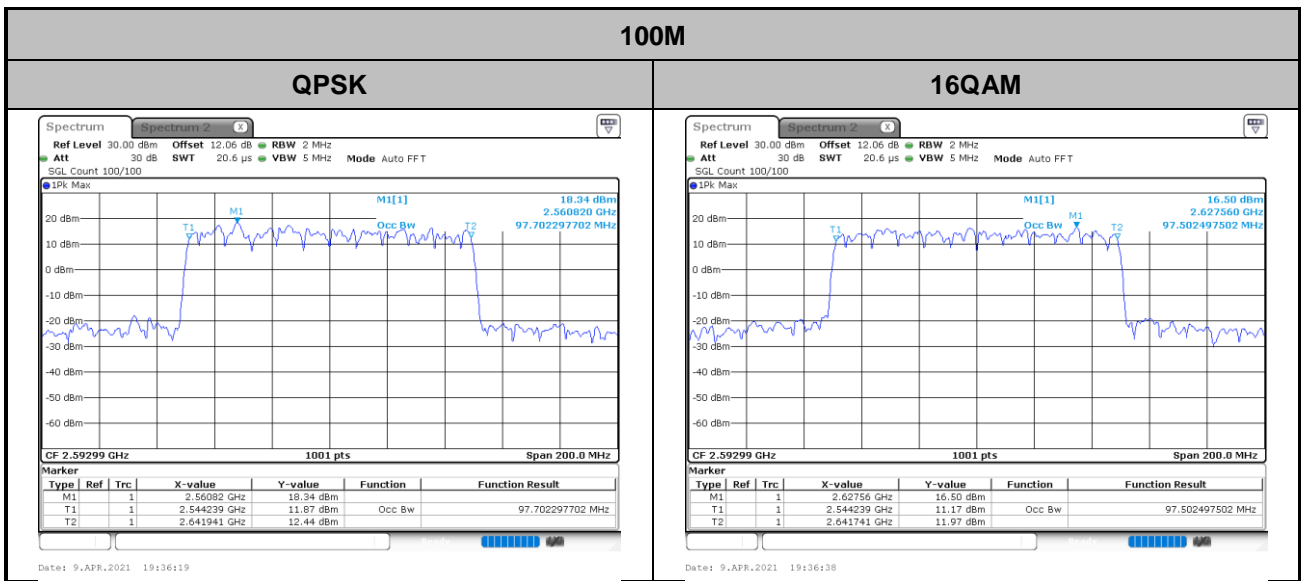
Mode	FR1 n41 : 26dB BW(MHz) / CP OFDM	
BW	100M	
Mod.	QPSK	16QAM
Middle CH	102.5	102.3





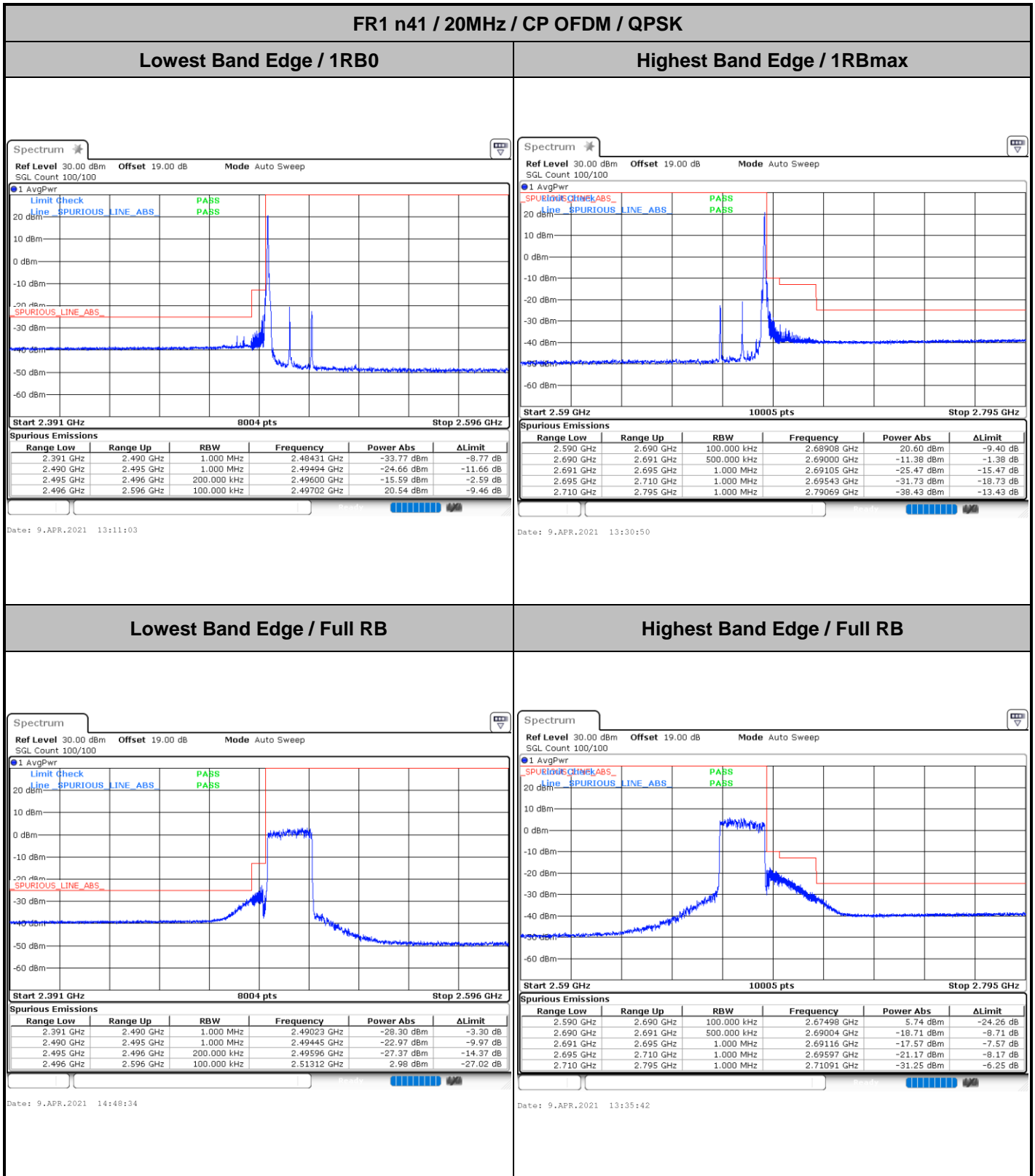
# Occupied Bandwidth

Mode	FR1 n41 : OB BW(MHz) / CP OFDM	
BW	100M	
Mod.	QPSK	16QAM
Middle CH	97.702	97.502





# Conducted Band Edge

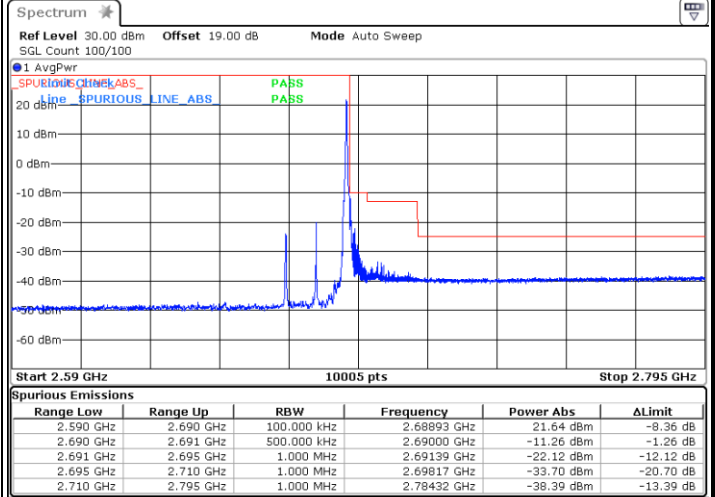
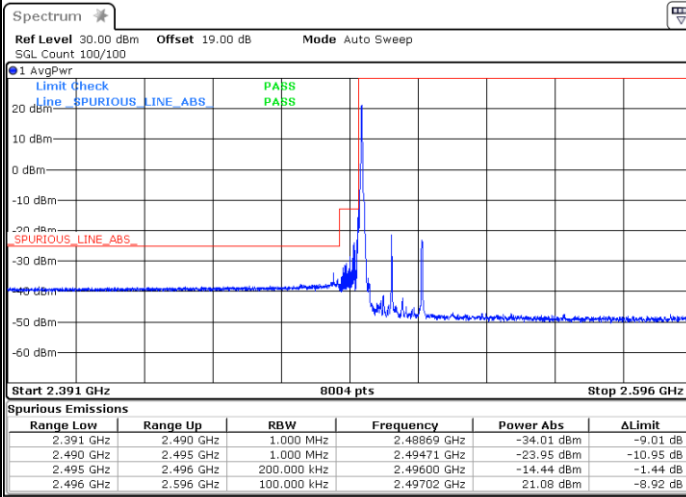




FR1 n41 / 20MHz / CP OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

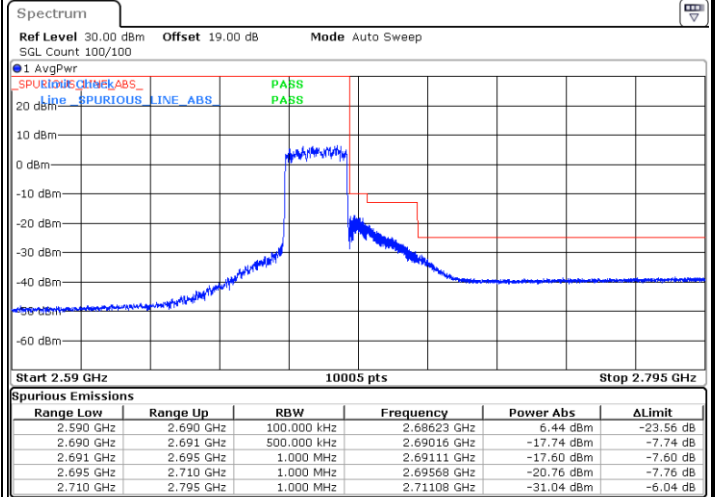
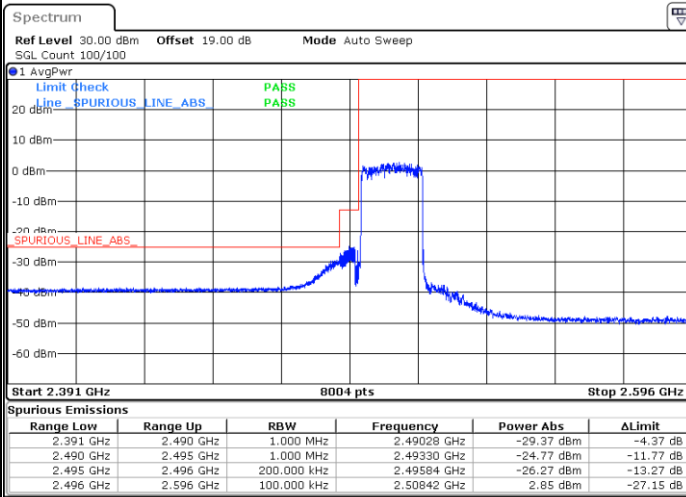


Date: 9.APR.2021 13:12:09

Date: 9.APR.2021 13:32:15

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



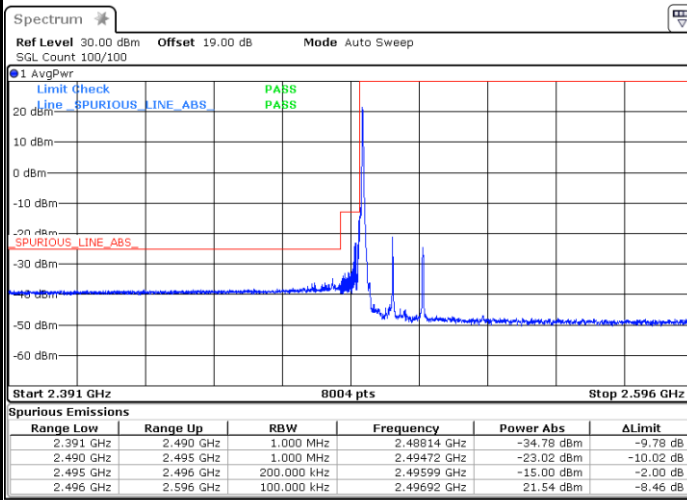
Date: 9.APR.2021 14:48:44

Date: 9.APR.2021 13:35:57



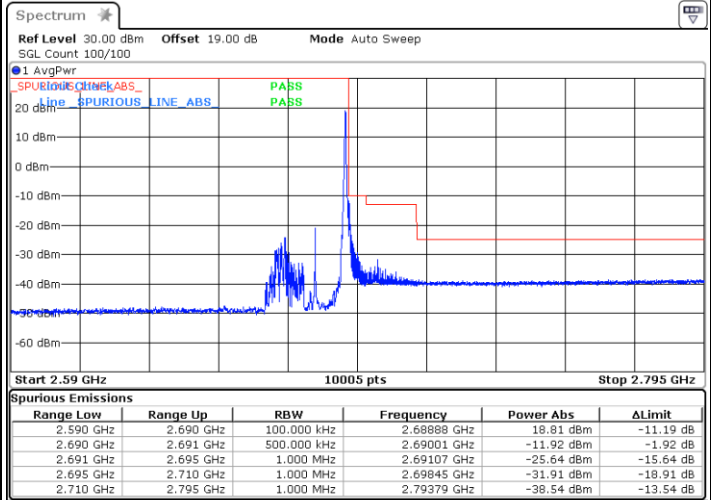
FR1 n41 / 20MHz / CP OFDM / 64Q

Lowest Band Edge / 1RB0



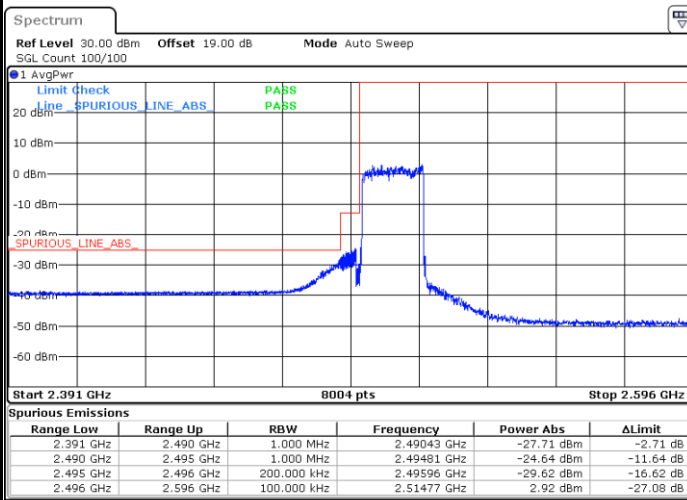
Date: 9.APR.2021 13:13:24

Highest Band Edge / 1RB24



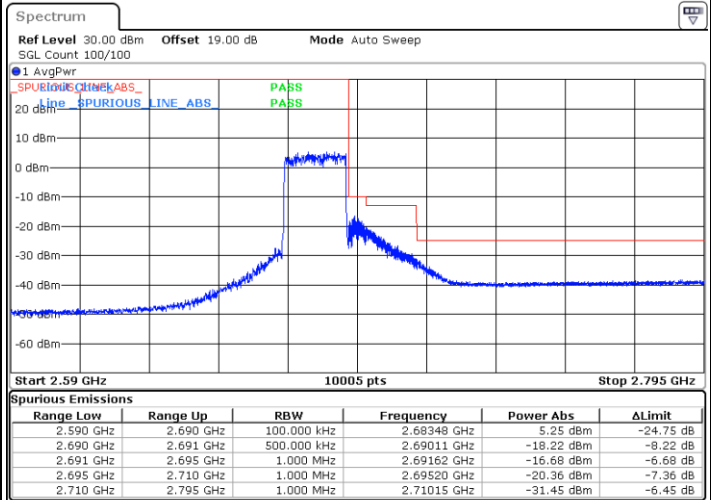
Date: 9.APR.2021 13:34:31

Lowest Band Edge / Full RB



Date: 9.APR.2021 14:48:55

Highest Band Edge / Full RB

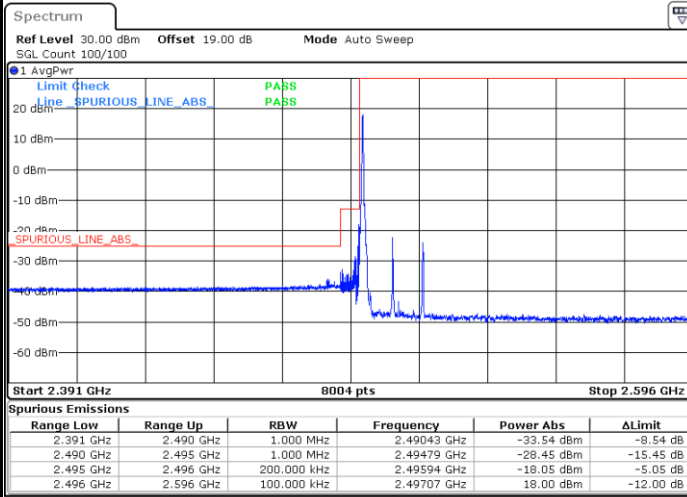


Date: 9.APR.2021 13:36:10



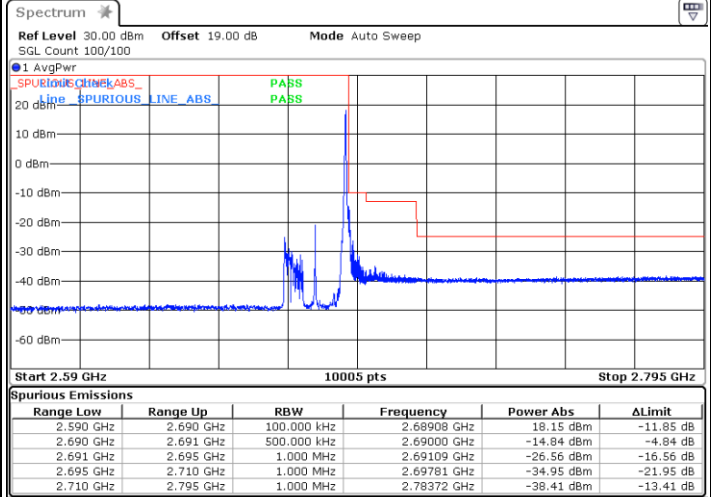
FR1 n41 / 20MHz / CP OFDM / 256Q

Lowest Band Edge / 1RB0



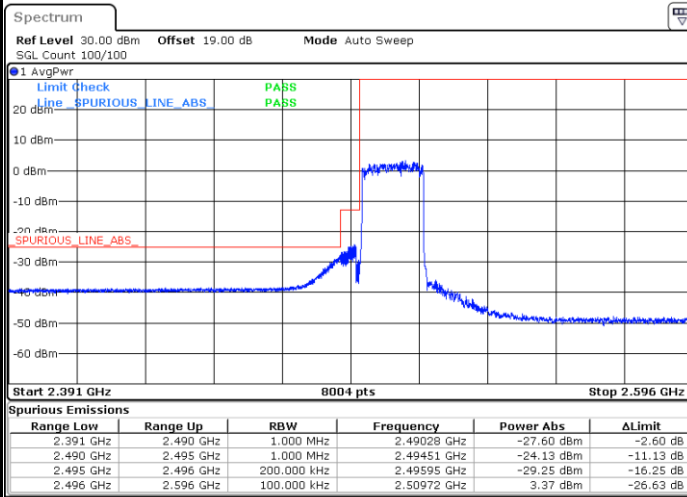
Date: 9.APR.2021 13:13:40

Highest Band Edge / 1RB24



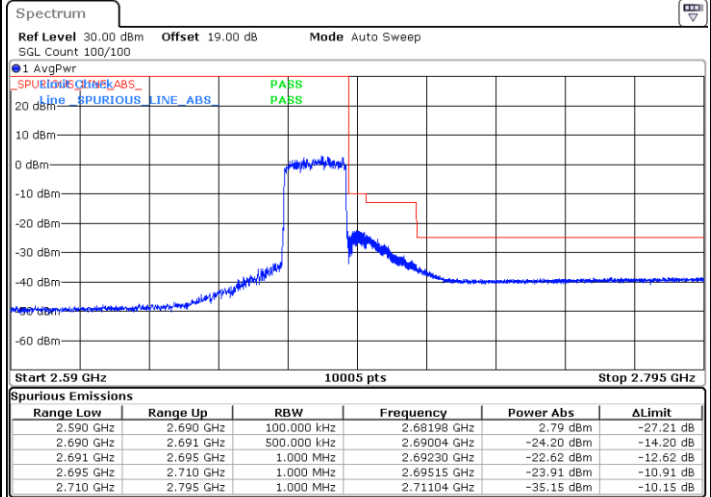
Date: 9.APR.2021 13:35:18

Lowest Band Edge / Full RB



Date: 9.APR.2021 13:28:34

Highest Band Edge / Full RB



Date: 9.APR.2021 13:36:23

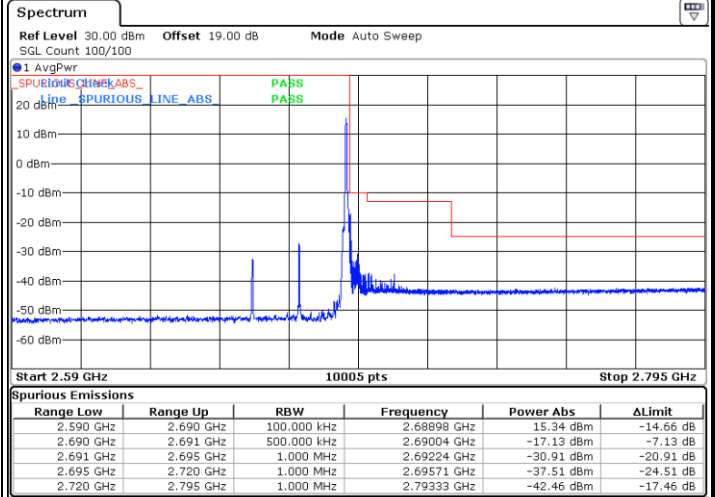
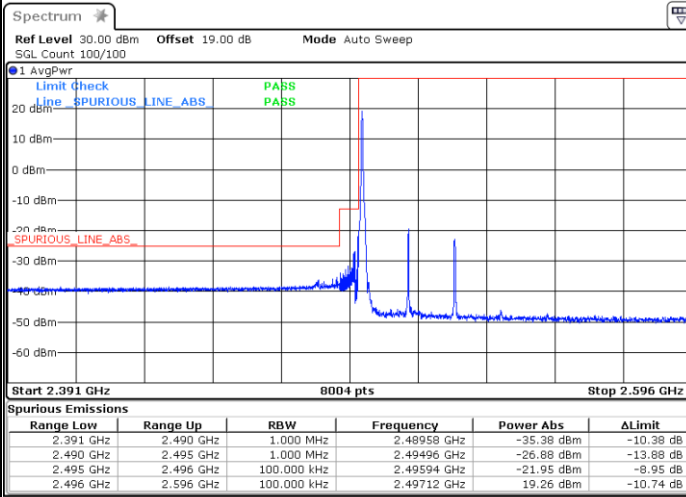




FR1 n41 / 30MHz / CP OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

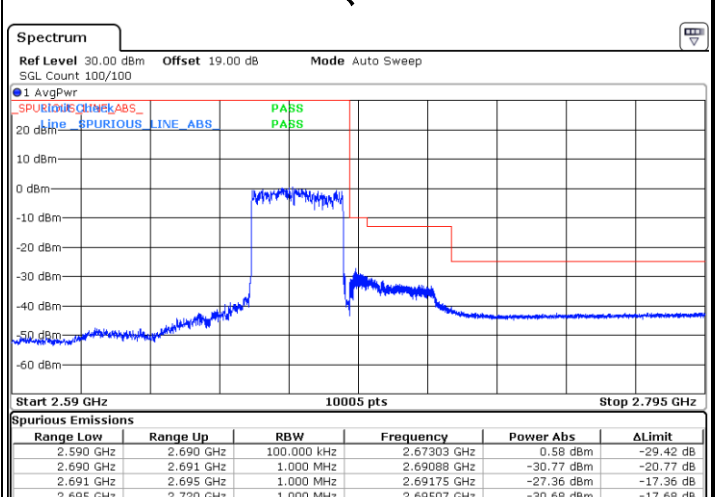
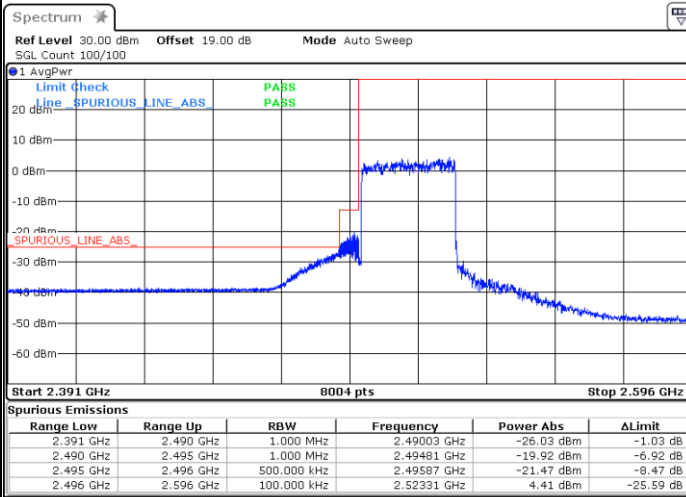


Date: 9.APR.2021 19:09:00

Date: 15.APR.2021 10:41:10

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 9.APR.2021 19:11:43

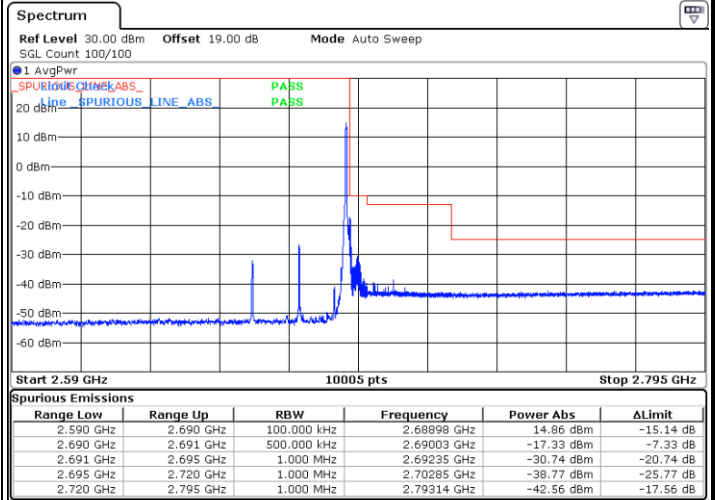
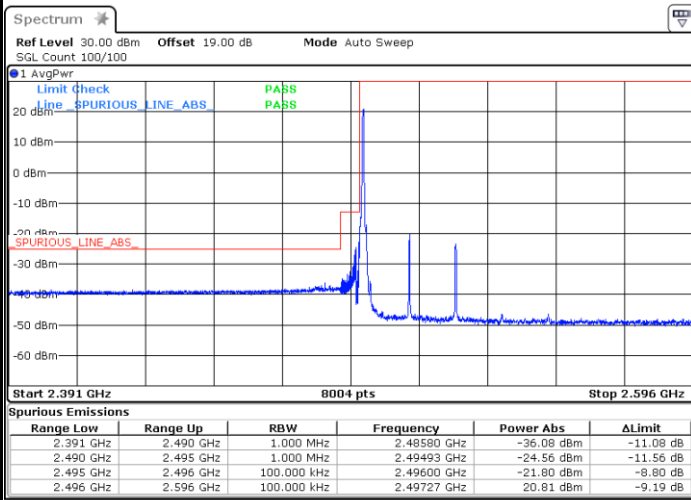
Date: 15.APR.2021 10:42:54



FR1 n41 / 30MHz / CP OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

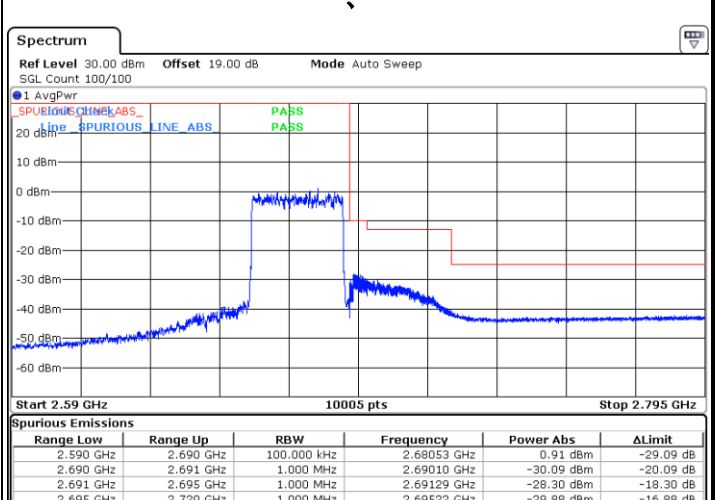
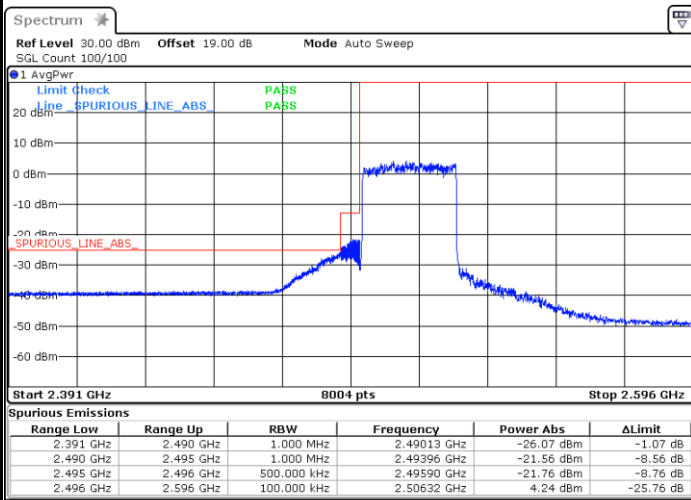


Date: 9.APR.2021 19:09:30

Date: 15.APR.2021 10:42:03

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



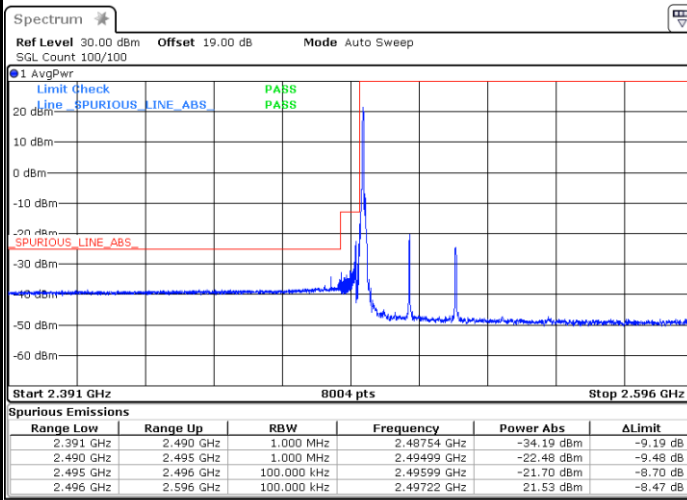
Date: 9.APR.2021 19:12:05

Date: 15.APR.2021 10:43:04



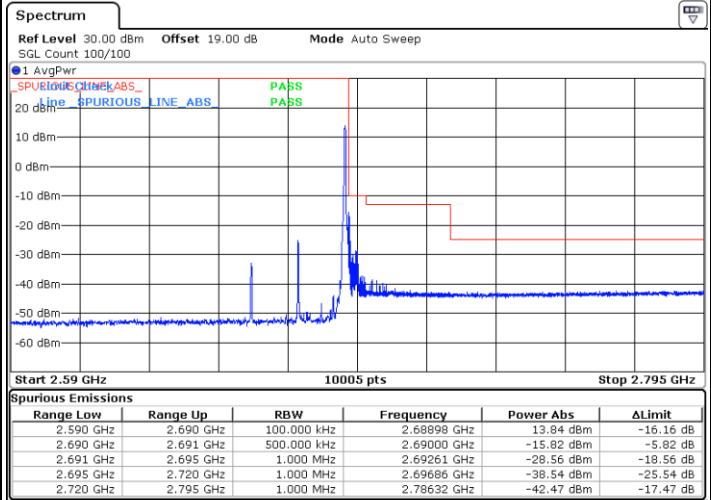
FR1 n41 / 30MHz / CP OFDM / 64Q

Lowest Band Edge / 1RB0



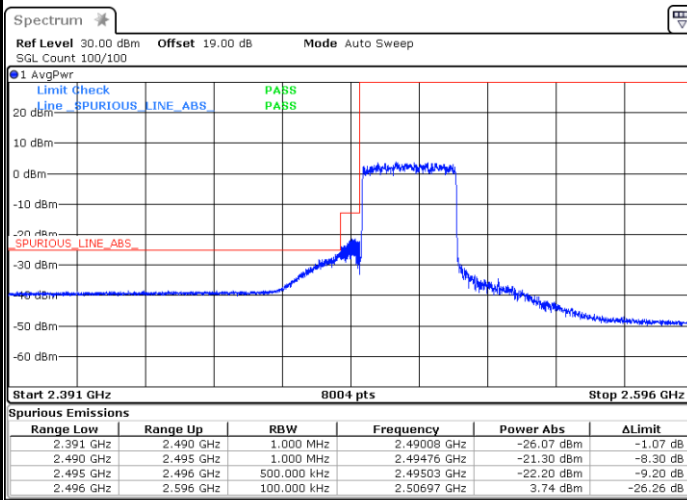
Date: 9.APR.2021 19:10:02

Highest Band Edge / 1RB24



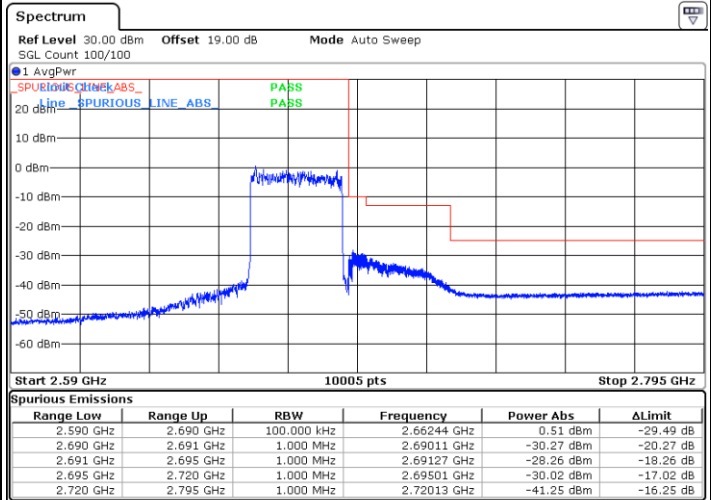
Date: 15.APR.2021 10:42:28

Lowest Band Edge / Full RB



Date: 9.APR.2021 19:12:25

Highest Band Edge / Full RB

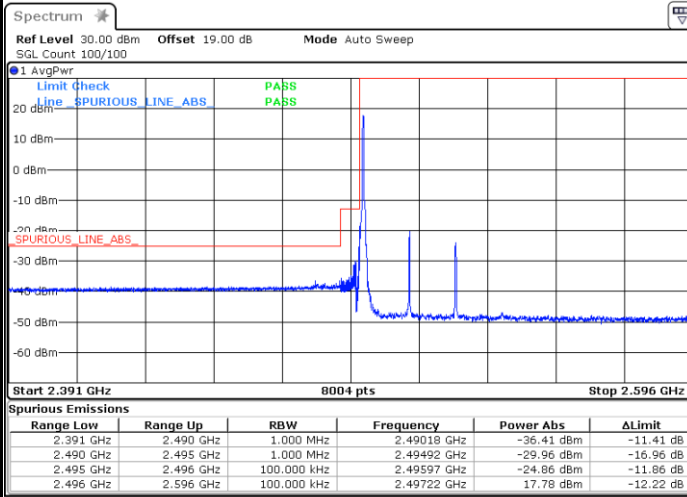


Date: 15.APR.2021 10:43:23



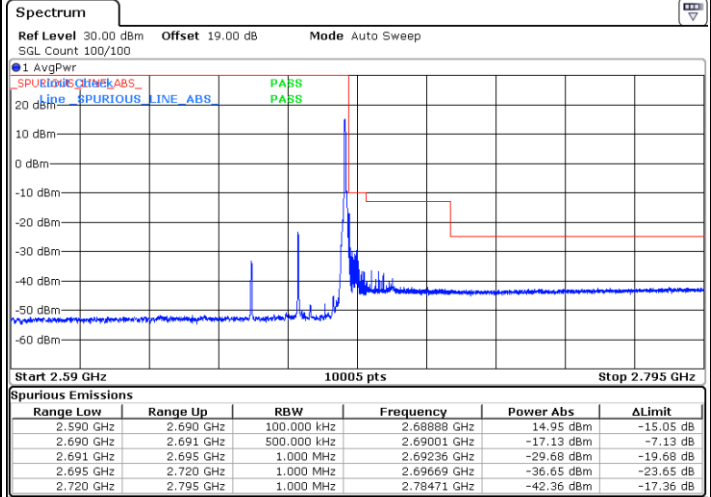
FR1 n41 / 30MHz / CP OFDM / 256Q

Lowest Band Edge / 1RB0



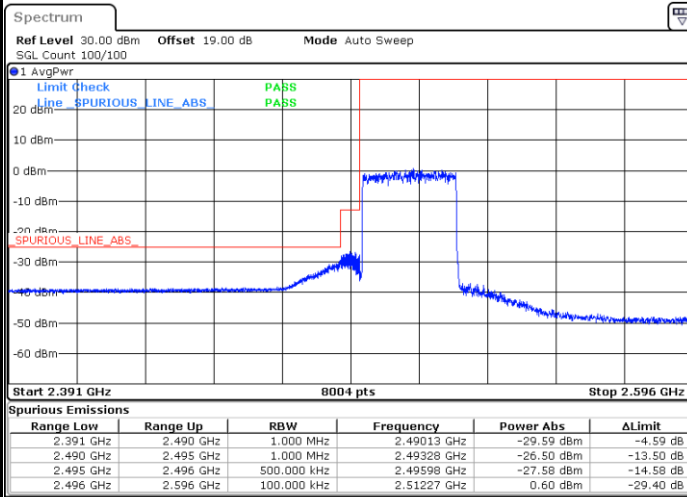
Date: 9.APR.2021 19:10:25

Highest Band Edge / 1RB24



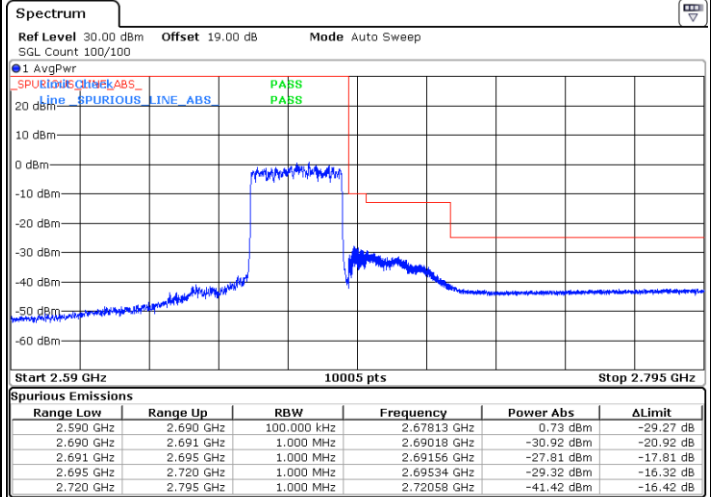
Date: 15.APR.2021 10:42:40

Lowest Band Edge / Full RB



Date: 9.APR.2021 19:12:40

Highest Band Edge / Full RB



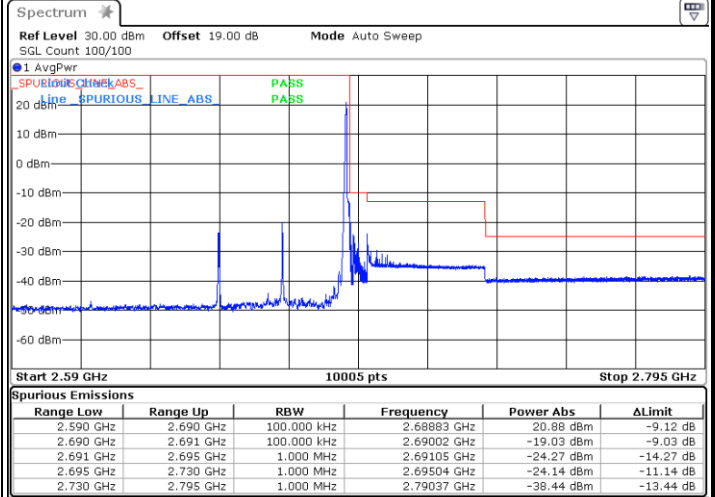
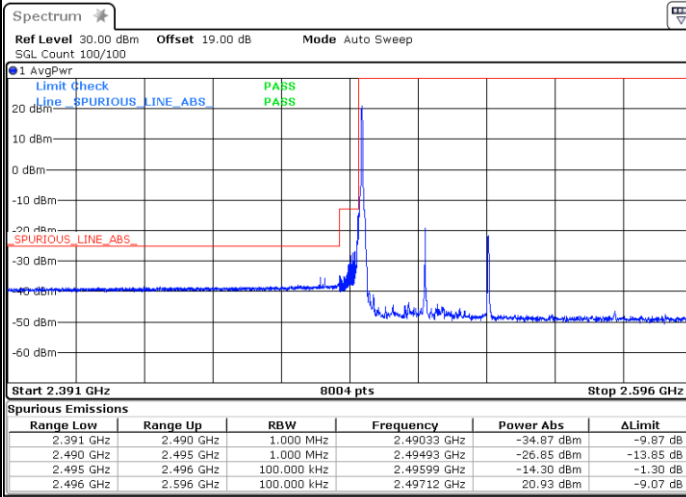
Date: 15.APR.2021 10:43:34



FR1 n41 / 40MHz / CP OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

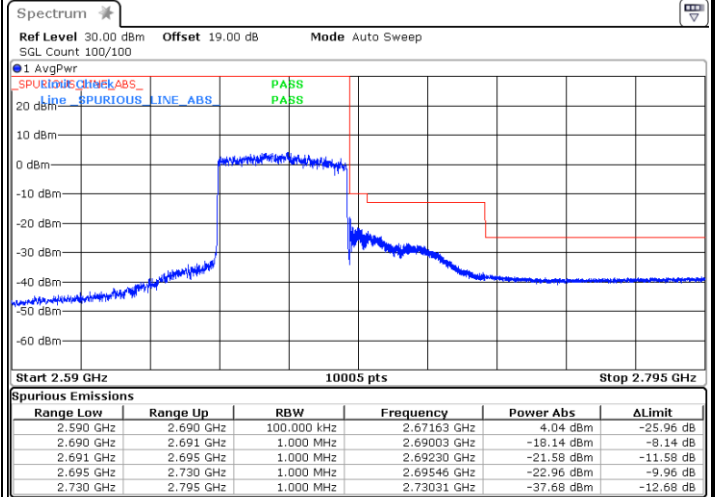
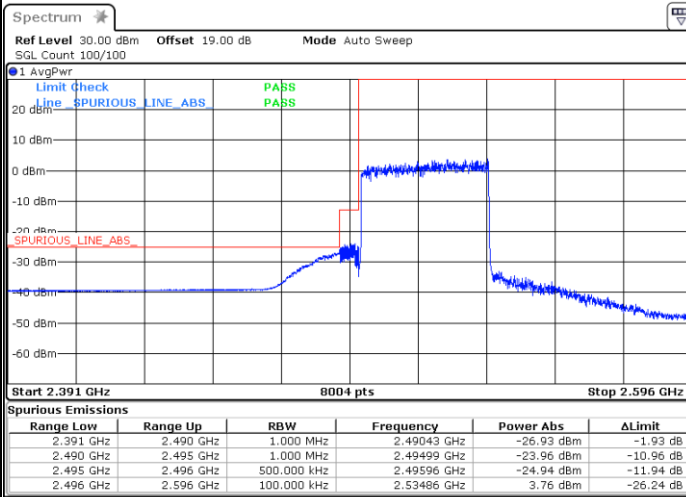


Date: 9.APR.2021 13:39:38

Date: 9.APR.2021 14:36:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 9.APR.2021 13:58:29

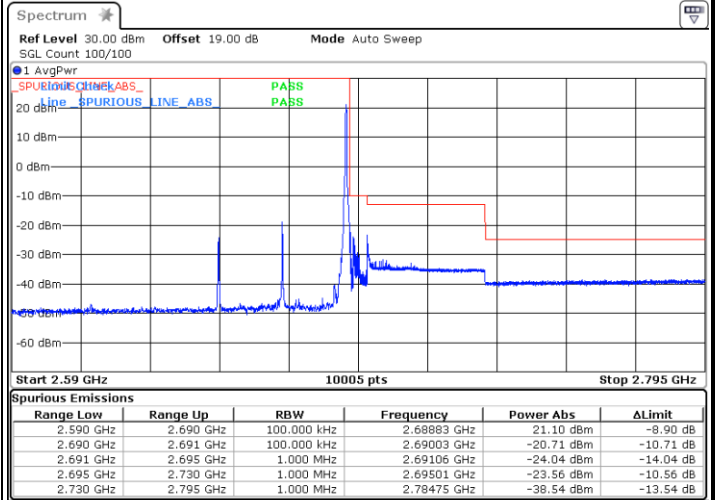
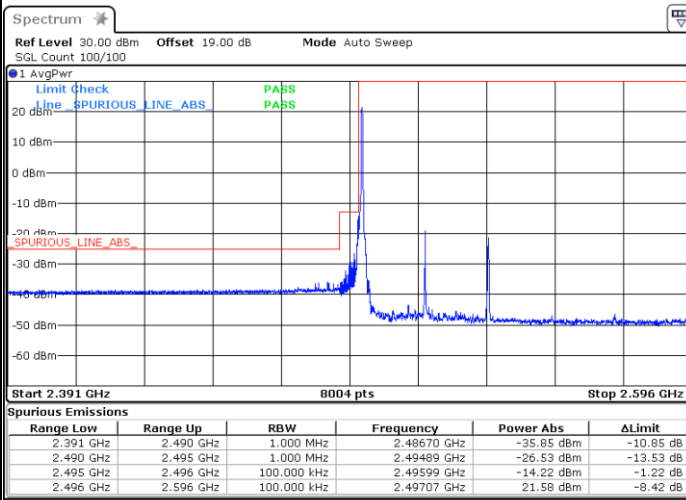
Date: 9.APR.2021 14:34:30



FR1 n41 / 40MHz / CP OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

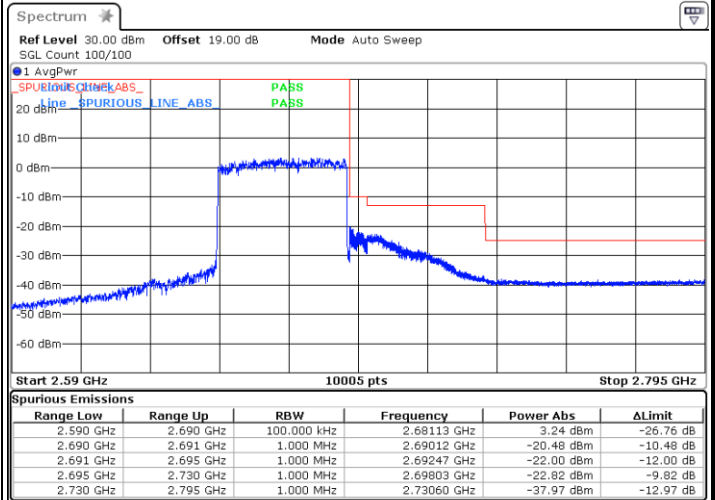
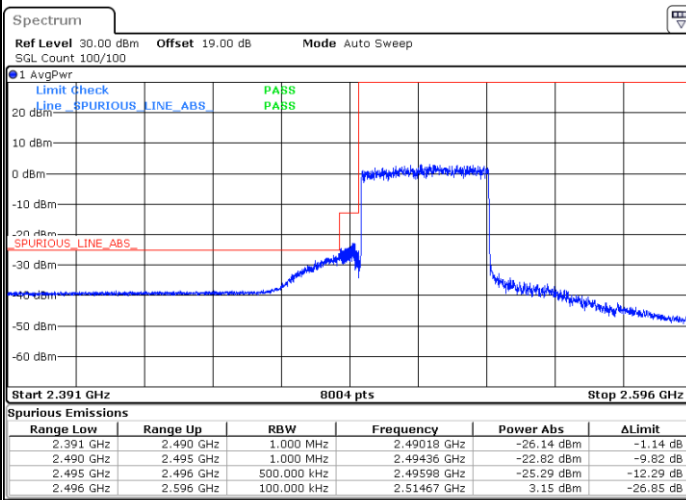


Date: 9.APR.2021 13:47:47

Date: 9.APR.2021 14:39:25

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



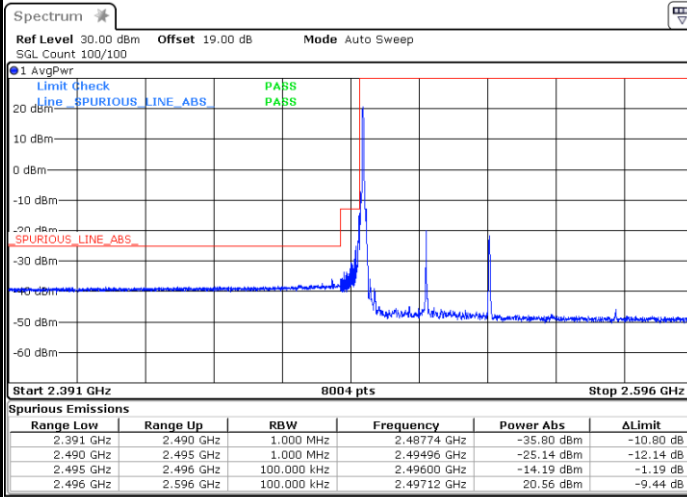
Date: 9.APR.2021 13:58:42

Date: 9.APR.2021 14:35:27



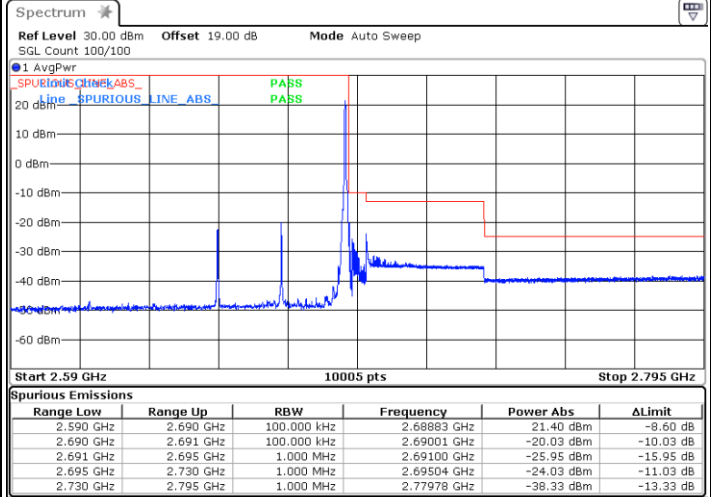
FR1 n41 / 40MHz / CP OFDM / 64Q

Lowest Band Edge / 1RB0



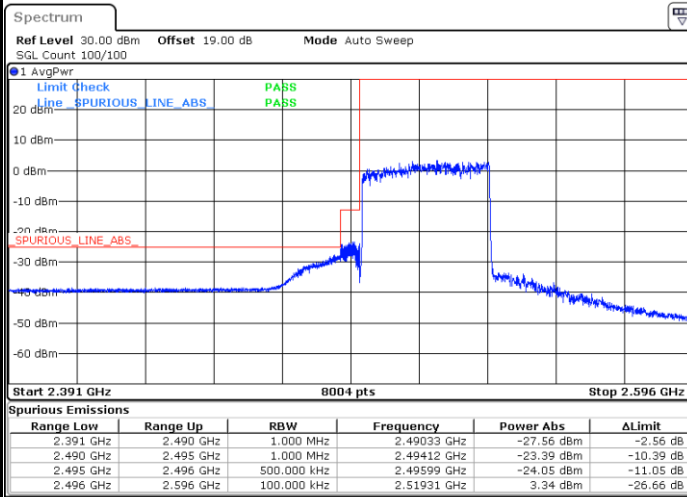
Date: 9.APR.2021 13:56:24

Highest Band Edge / 1RB24



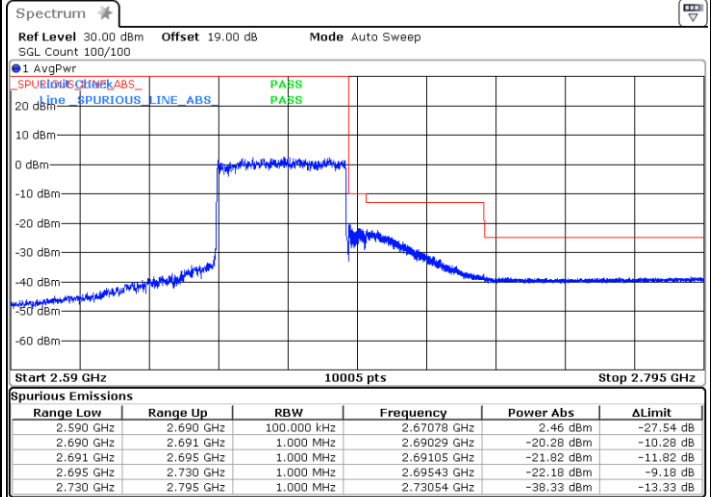
Date: 9.APR.2021 14:39:58

Lowest Band Edge / Full RB



Date: 9.APR.2021 13:58:56

Highest Band Edge / Full RB



Date: 9.APR.2021 14:35:56