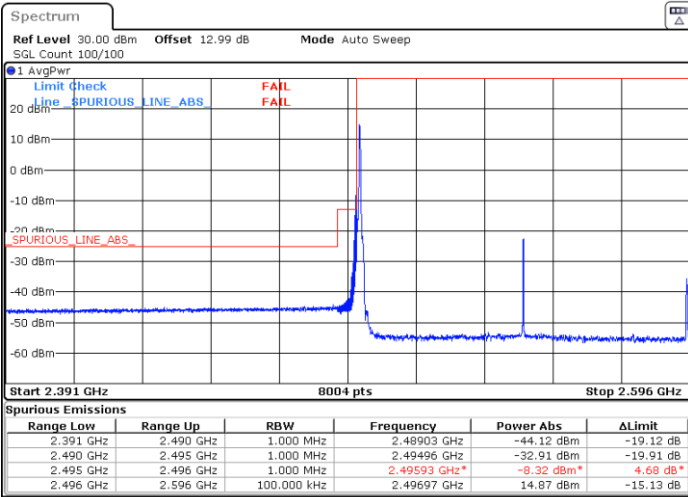




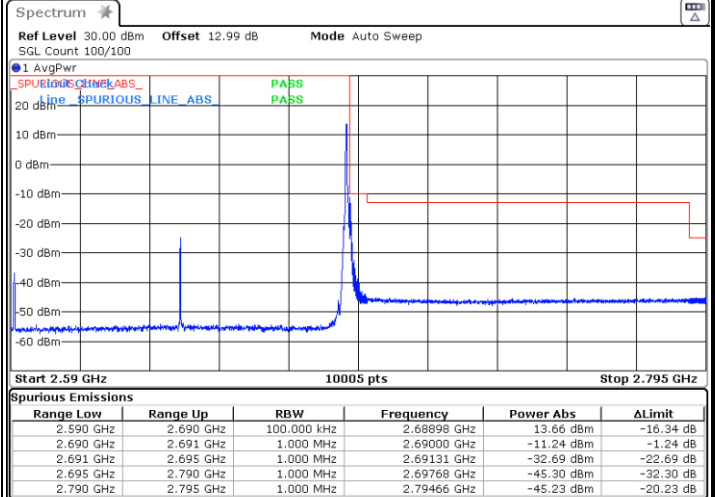
FR1 n41 / 100MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0

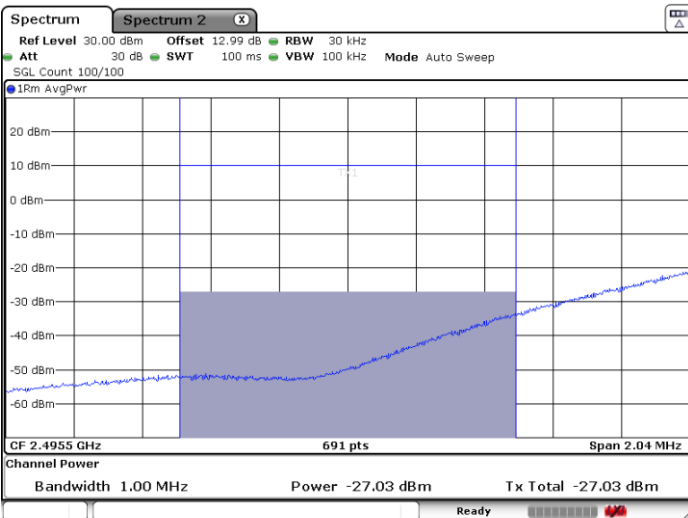
Highest Band Edge / 1RB24



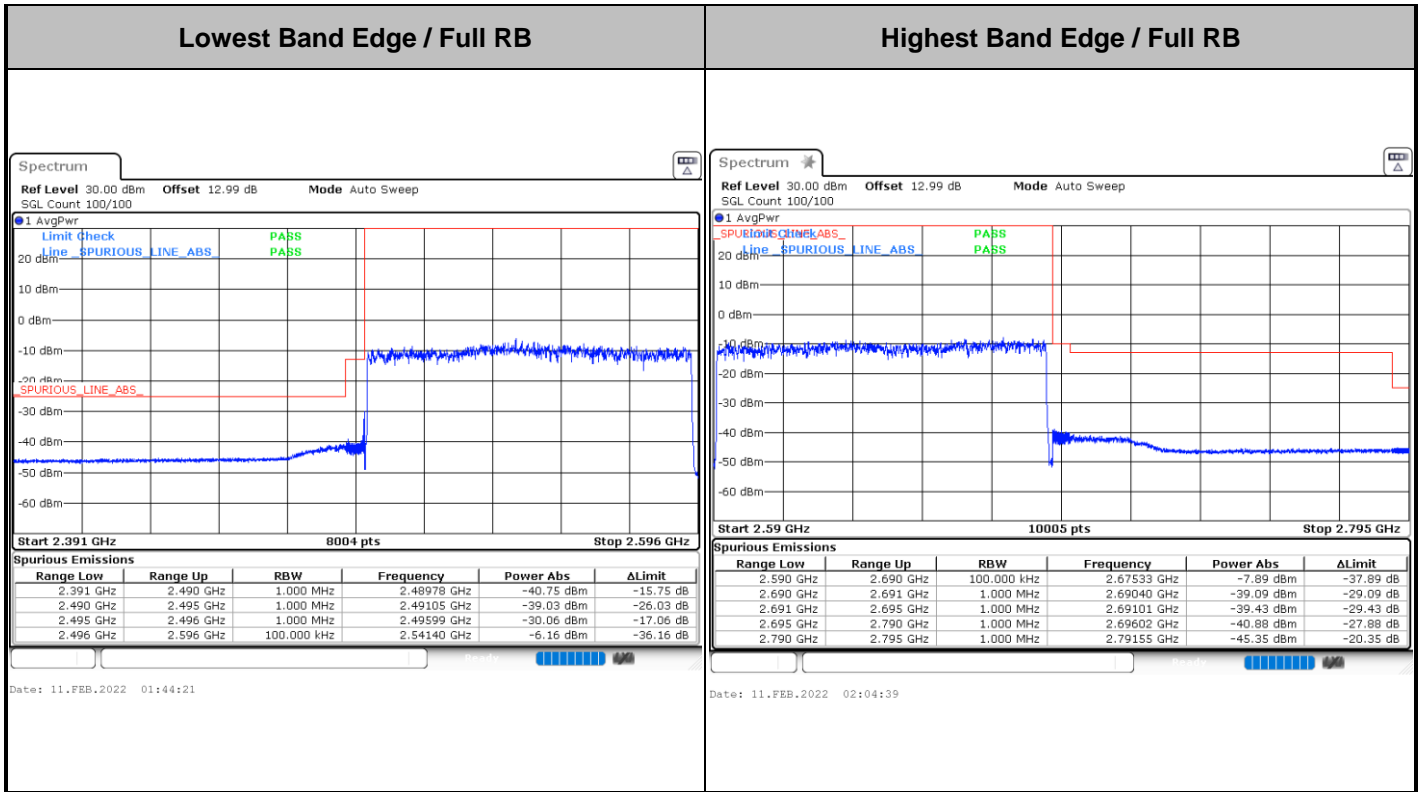
Date: 11.FEB.2022 01:41:42



Date: 11.FEB.2022 02:02:42



Date: 11.FEB.2022 07:36:12

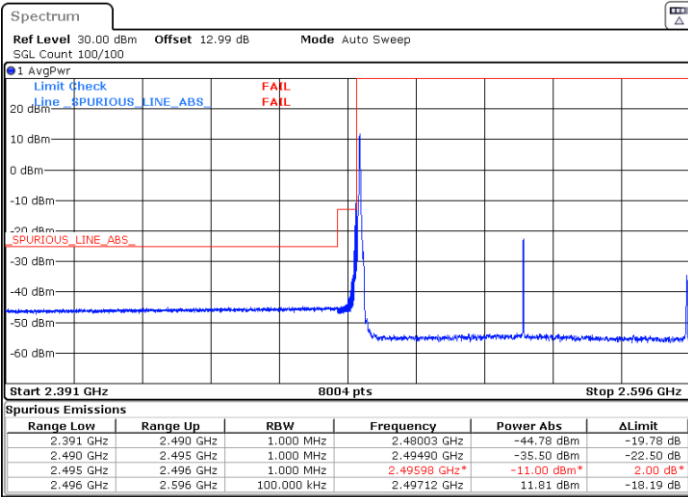




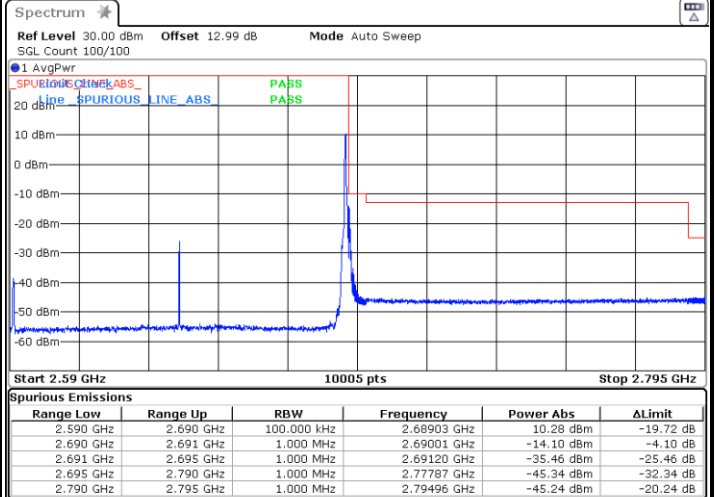
FR1 n41 / 100MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0

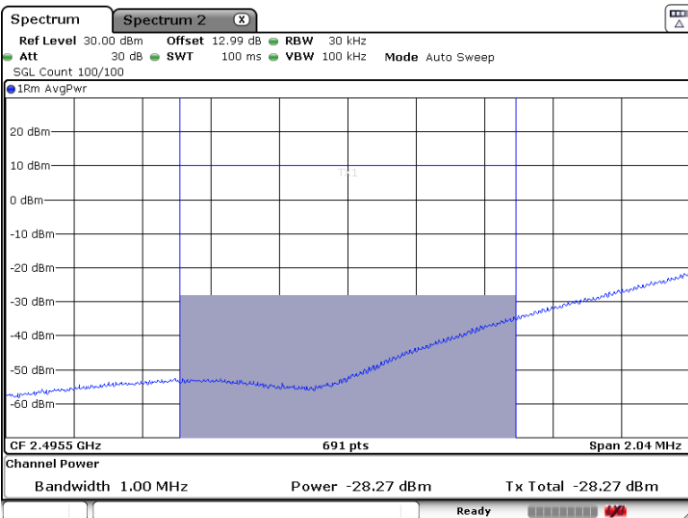
Highest Band Edge / 1RB24



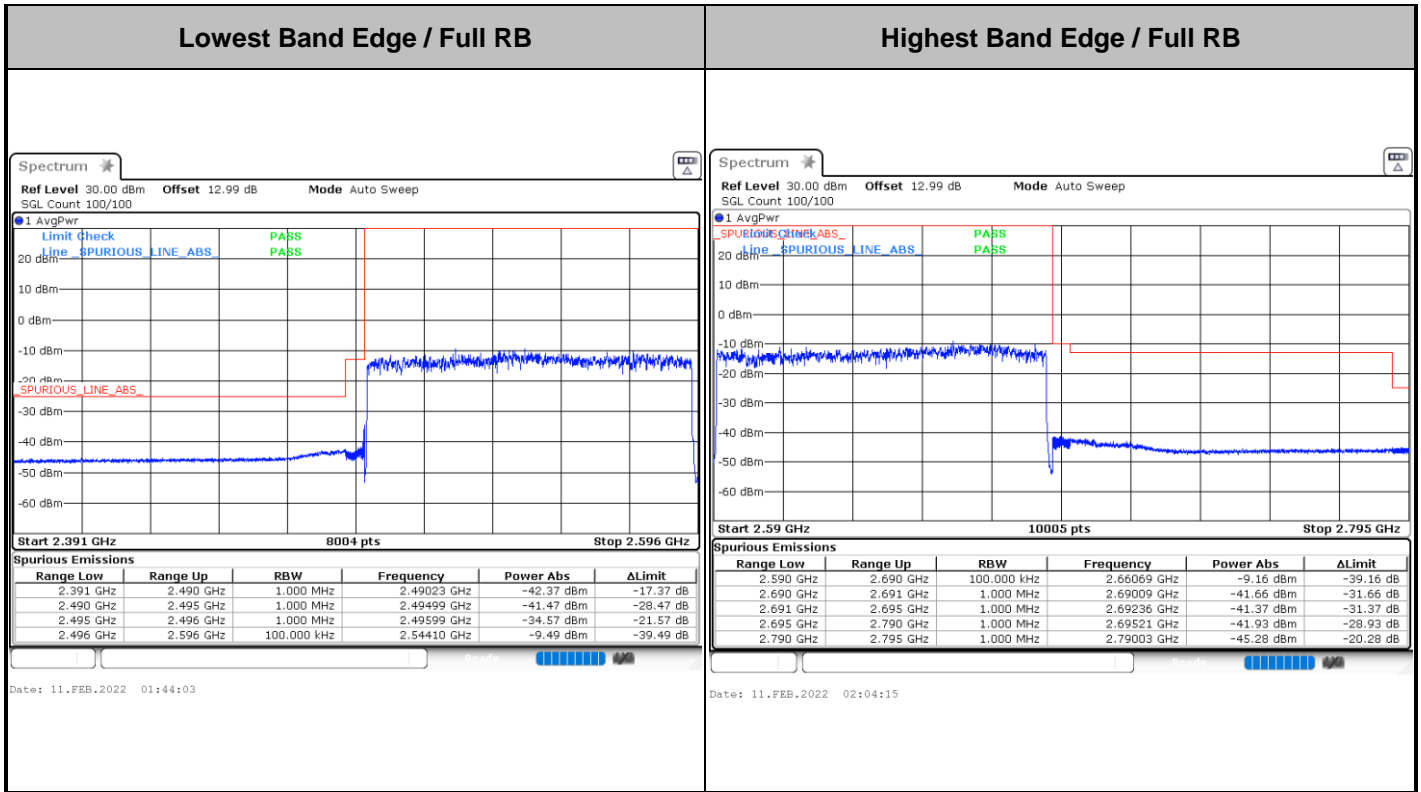
Date: 11.FEB.2022 01:42:11



Date: 11.FEB.2022 02:03:42



Date: 11.FEB.2022 07:36:42



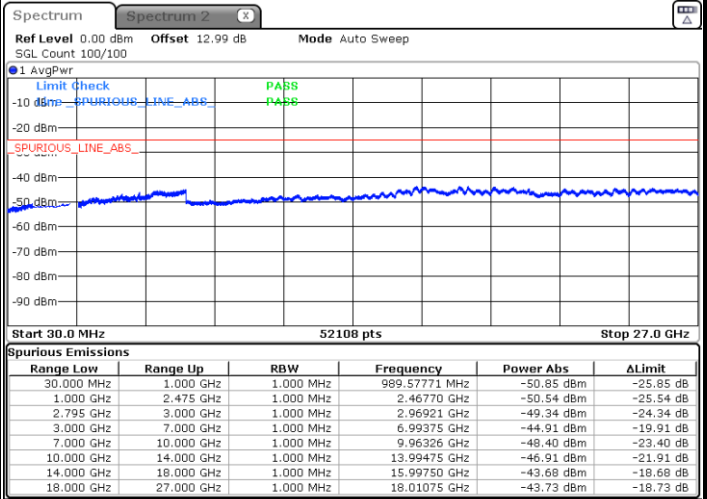
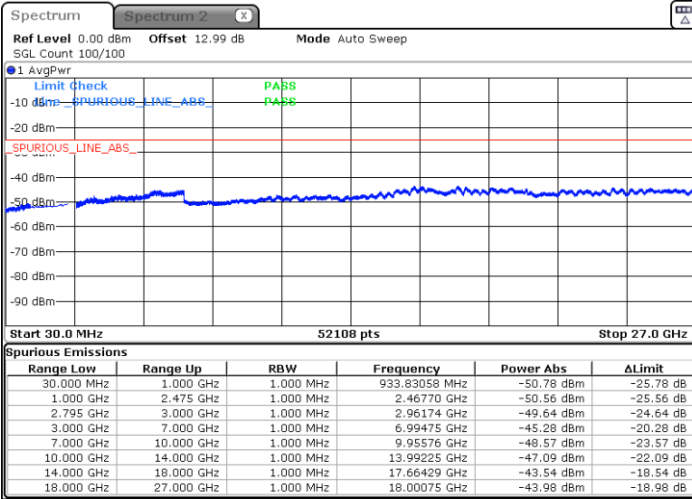


# Conducted Spurious Emission

## FR1 n41 / 20MHz / DFT-S OFDM / QPSK

### Lowest Channel / 1RB1

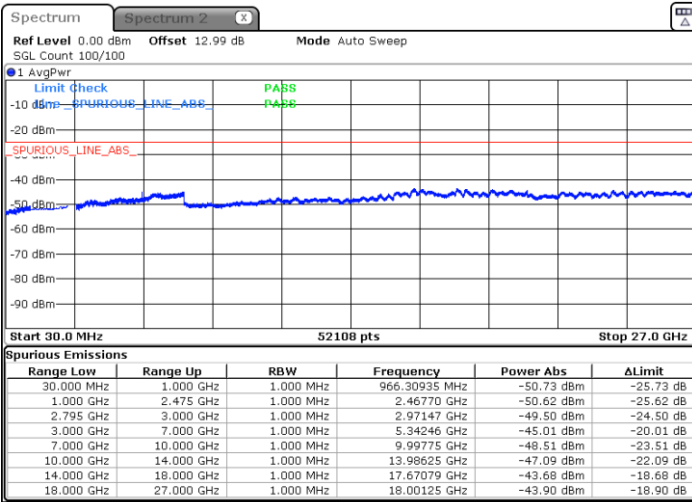
### Middle Channel / 1RB1



Date: 11.FEB.2022 06:39:36

Date: 11.FEB.2022 06:37:14

### Highest Channel / 1RB1



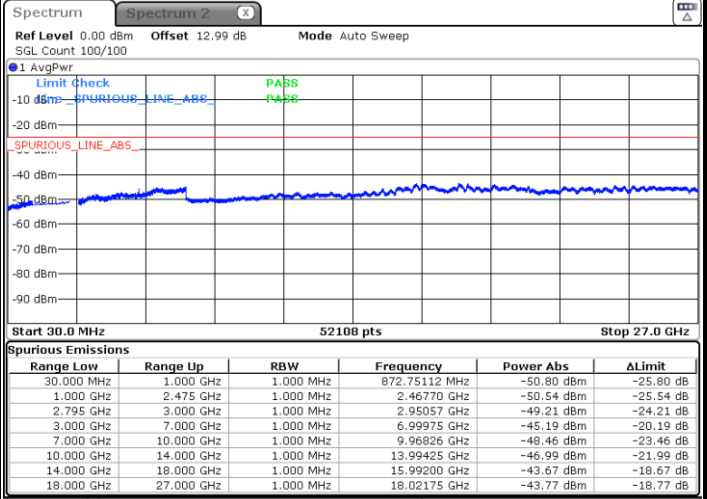
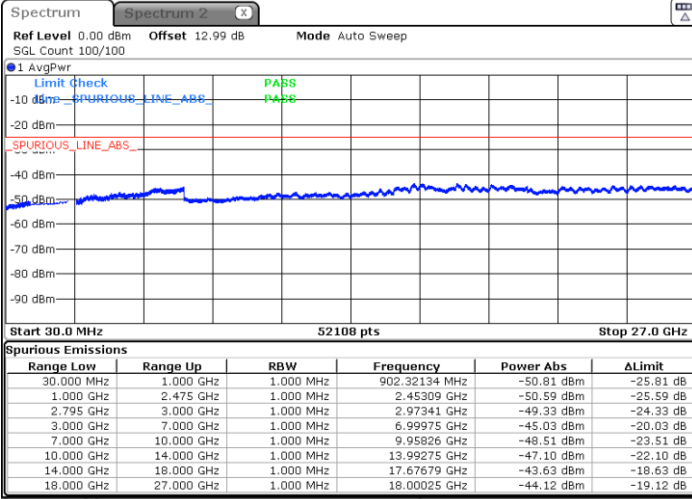
Date: 11.FEB.2022 06:40:38



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

Lowest Channel / 1RB1

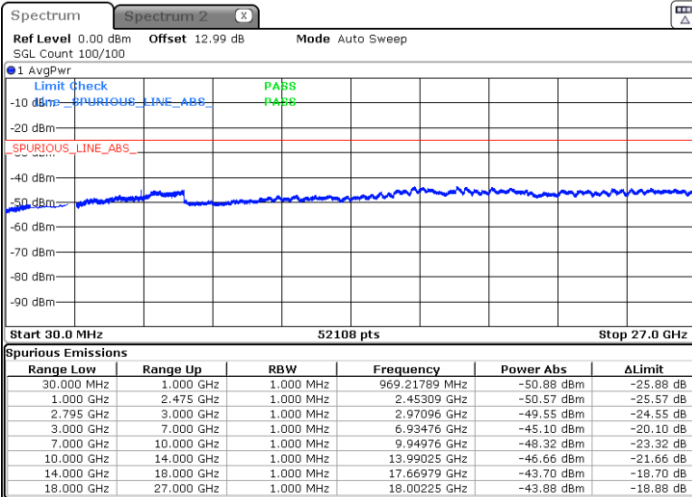
Middle Channel / 1RB1



Date: 11.FEB.2022 06:05:40

Date: 11.FEB.2022 06:04:04

Highest Channel / 1RB1



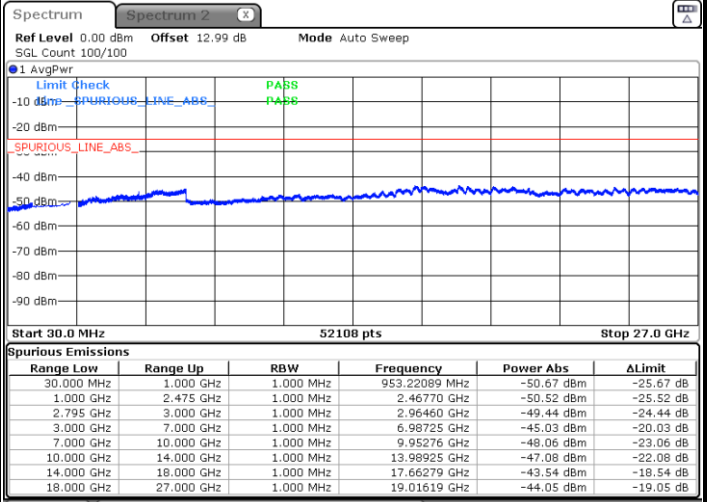
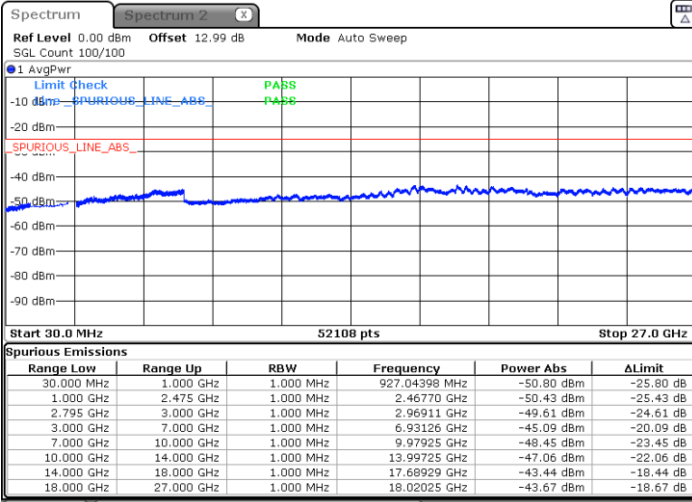
Date: 11.FEB.2022 06:06:58



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

Lowest Channel / 1RB1

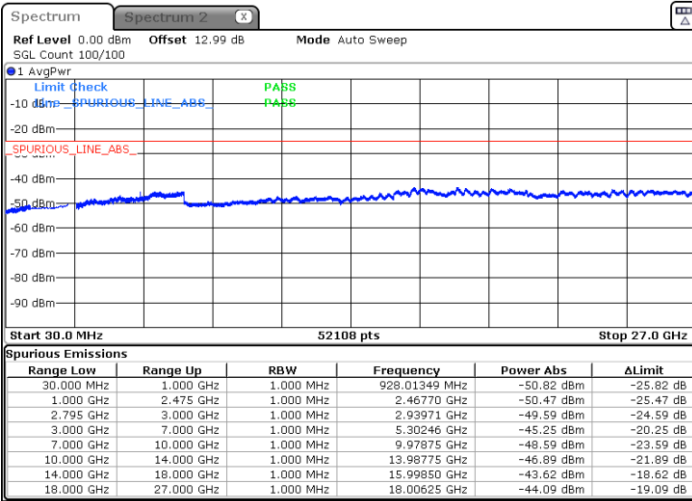
Middle Channel / 1RB1



Date: 11.FEB.2022 04:57:40

Date: 11.FEB.2022 04:56:18

Highest Channel / 1RB1



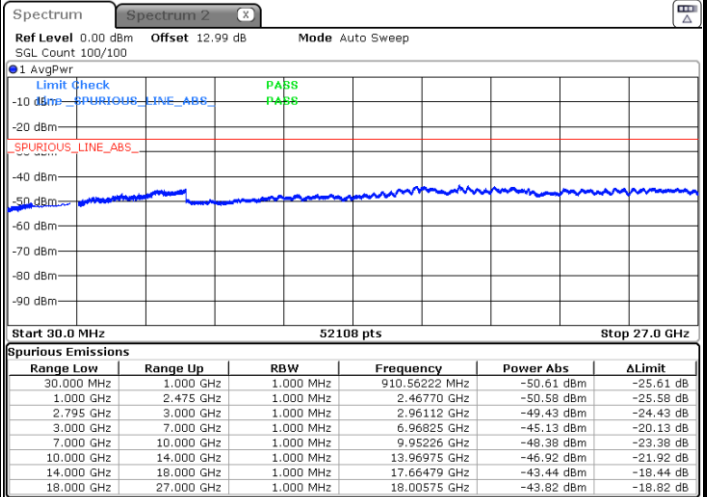
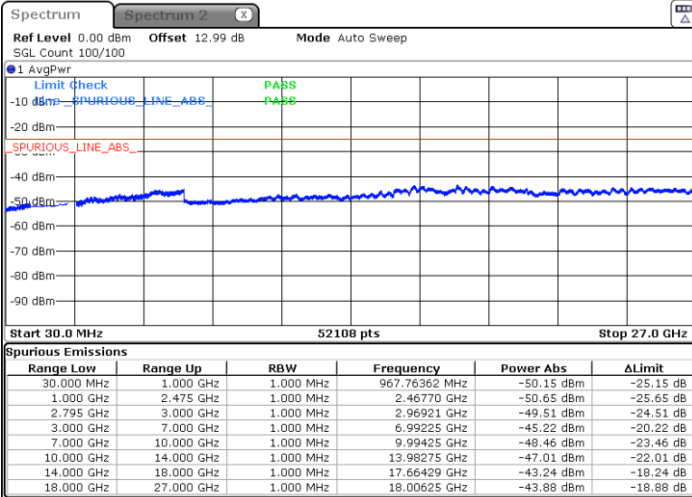
Date: 11.FEB.2022 04:58:50



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

Lowest Channel / 1RB1

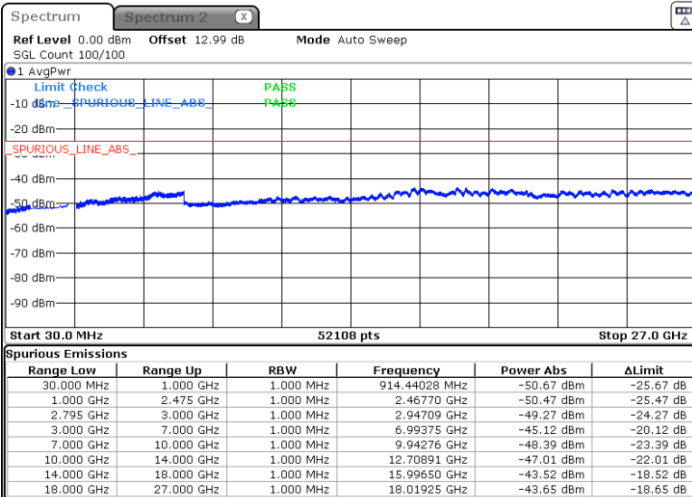
Middle Channel / 1RB1



Date: 11.FEB.2022 04:38:21

Date: 11.FEB.2022 04:37:17

Highest Channel / 1RB1



Date: 11.FEB.2022 04:41:41

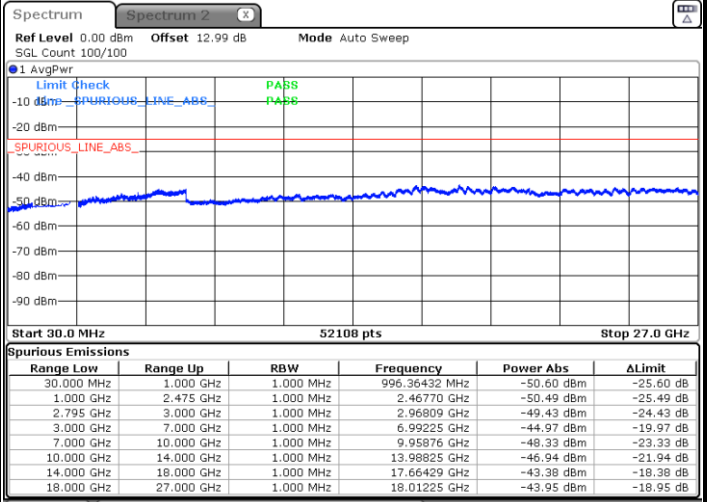
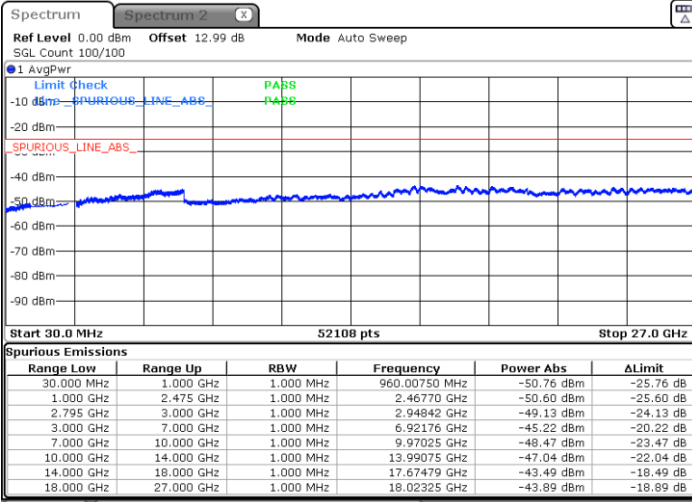




FR1 n41 / 60MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

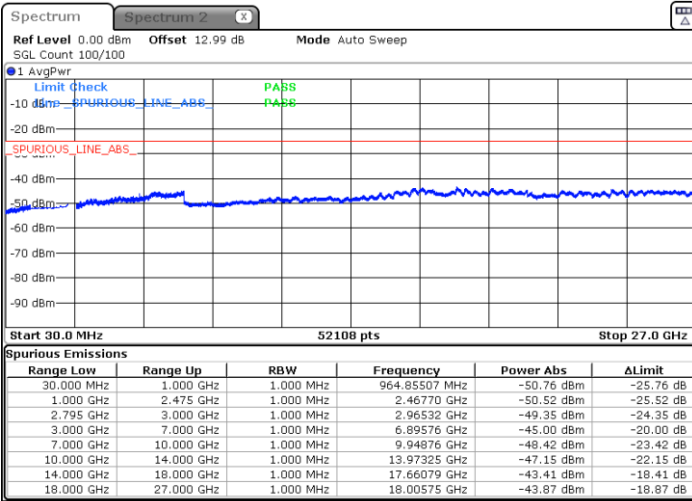
Middle Channel / 1RB1



Date: 11.FEB.2022 04:12:27

Date: 11.FEB.2022 04:08:53

Highest Channel / 1RB1



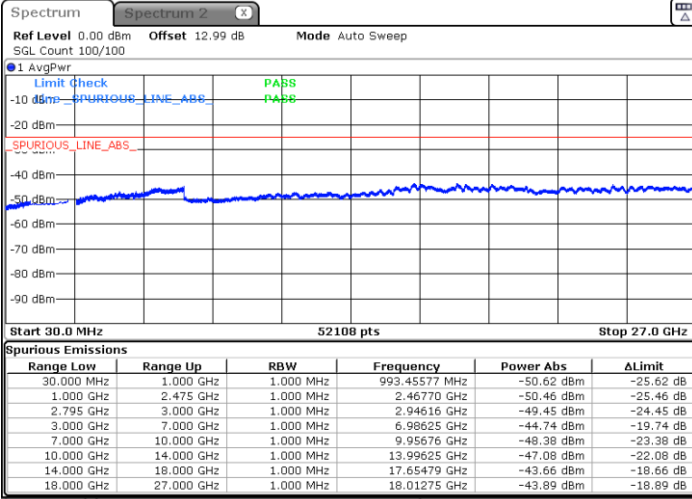
Date: 11.FEB.2022 04:13:28



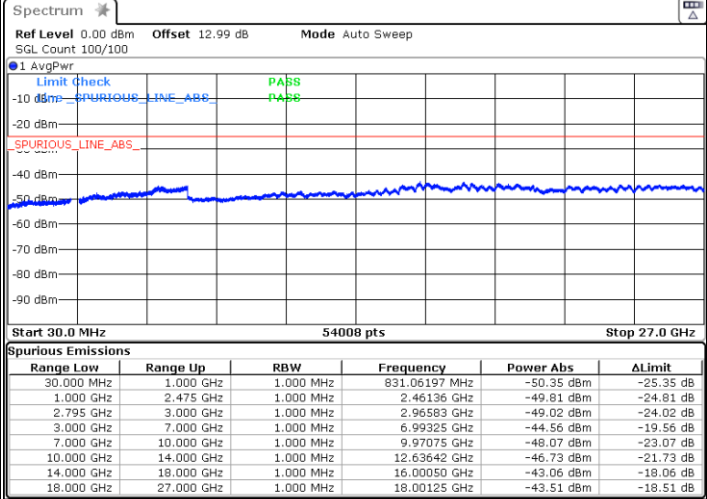
FR1 n41 / 70MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

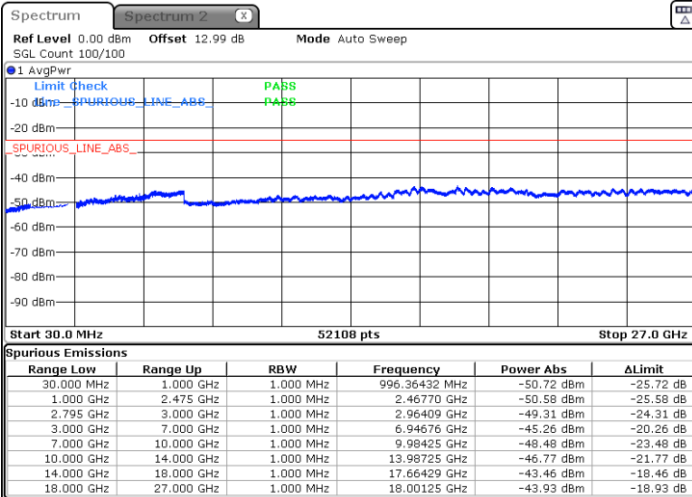


Date: 11.FEB.2022 04:05:42



Date: 1.MAR.2022 06:42:09

Highest Channel / 1RB1



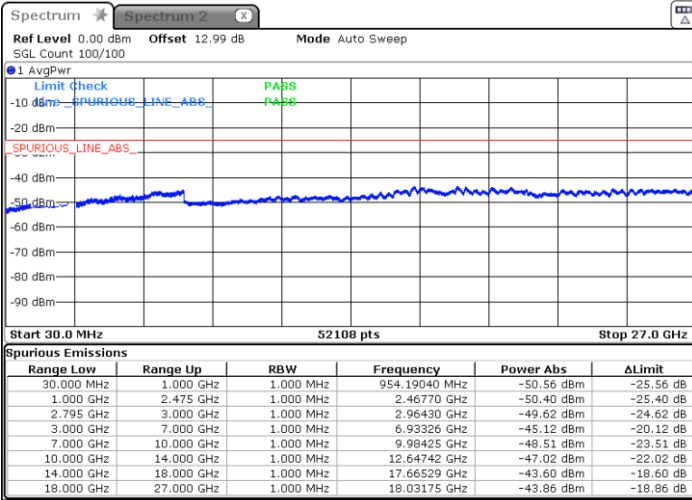
Date: 11.FEB.2022 04:04:37



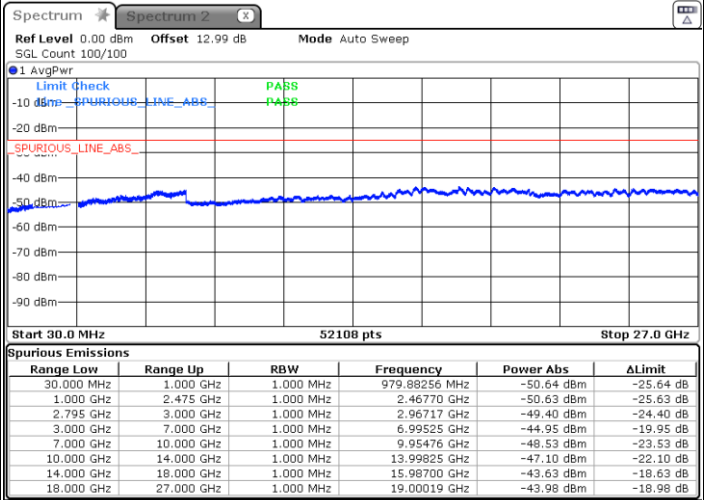
FR1 n41 / 80MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

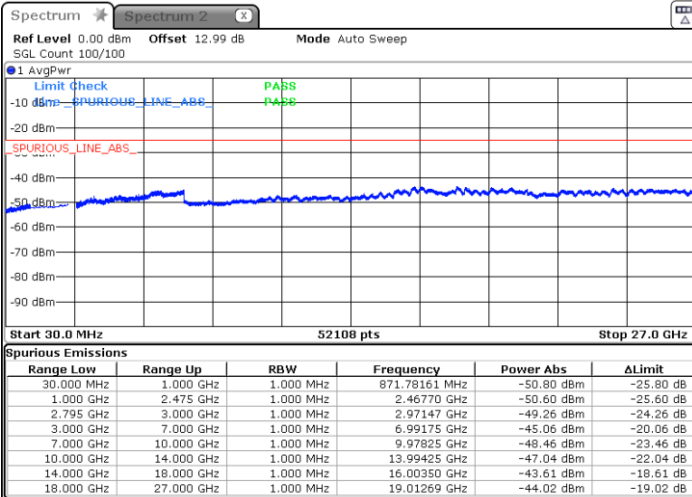


Date: 11.FEB.2022 03:29:11



Date: 11.FEB.2022 03:27:55

Highest Channel / 1RB1



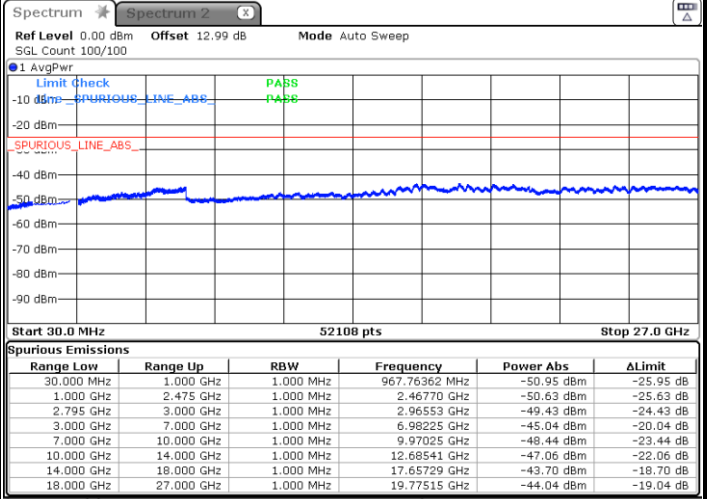
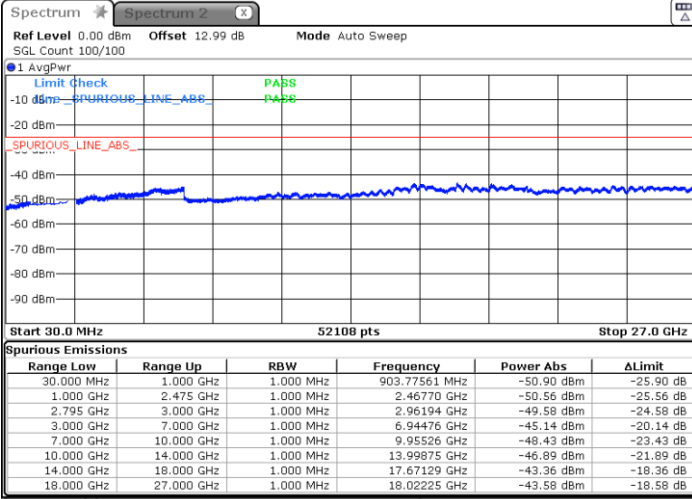
Date: 11.FEB.2022 03:26:36



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

Lowest Channel / 1RB1

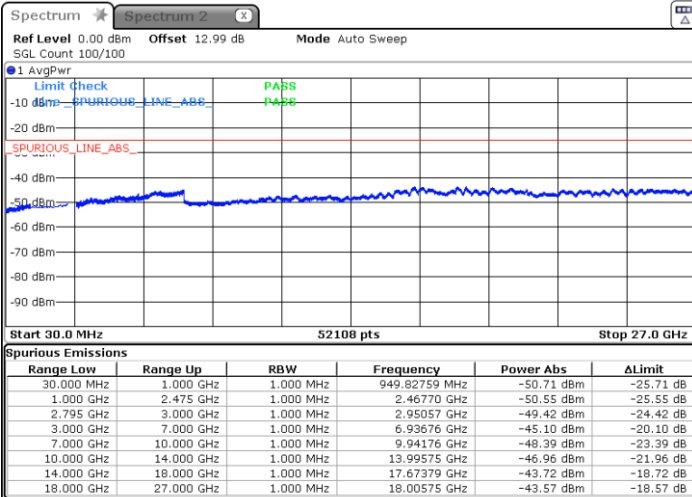
Middle Channel / 1RB1



Date: 11.FEB.2022 03:11:06

Date: 11.FEB.2022 03:09:50

Highest Channel / 1RB1



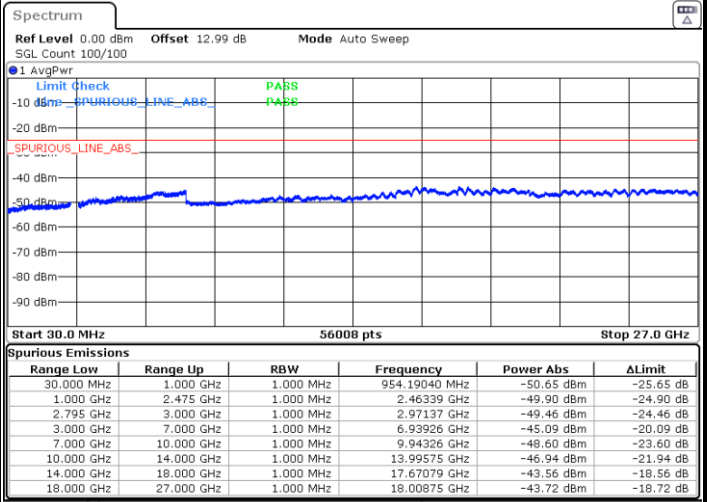
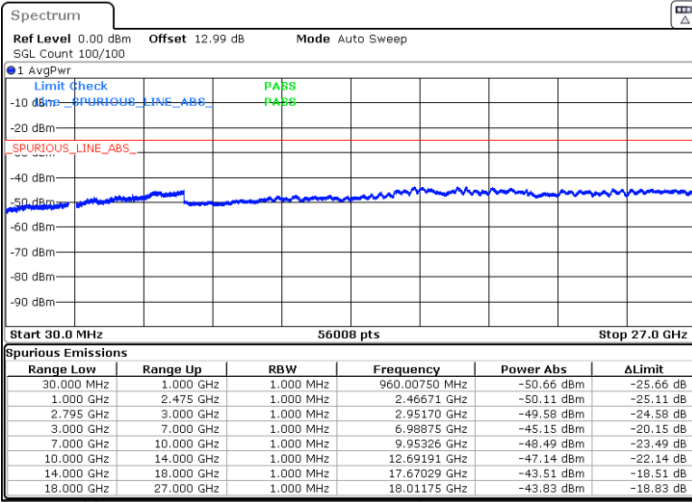
Date: 11.FEB.2022 03:08:42



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

Lowest Channel / 1RB1

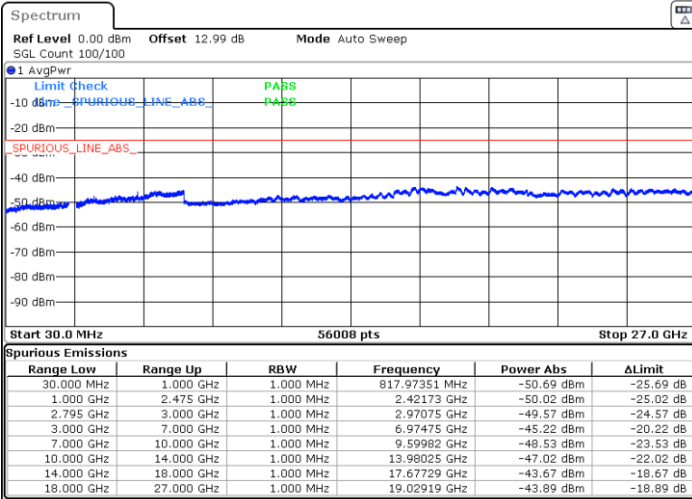
Middle Channel / 1RB1



Date: 11.FEB.2022 02:18:01

Date: 11.FEB.2022 02:16:58

Highest Channel / 1RB1



Date: 11.FEB.2022 02:15:56



### Frequency Stability

Test Conditions		FR1 n41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0008	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0011	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0038	

**Note:**

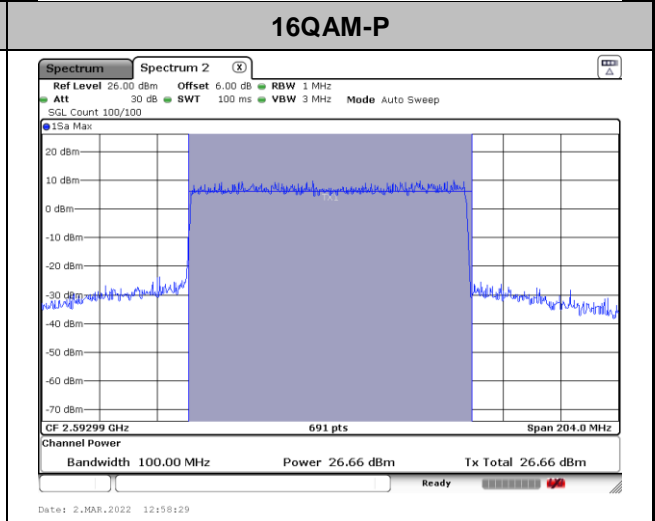
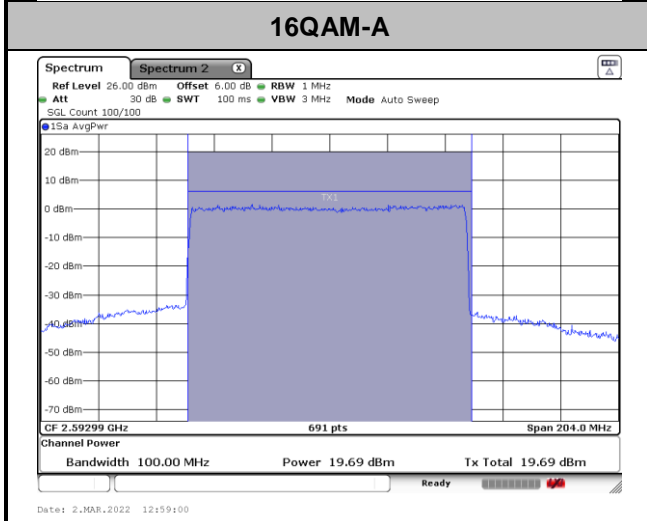
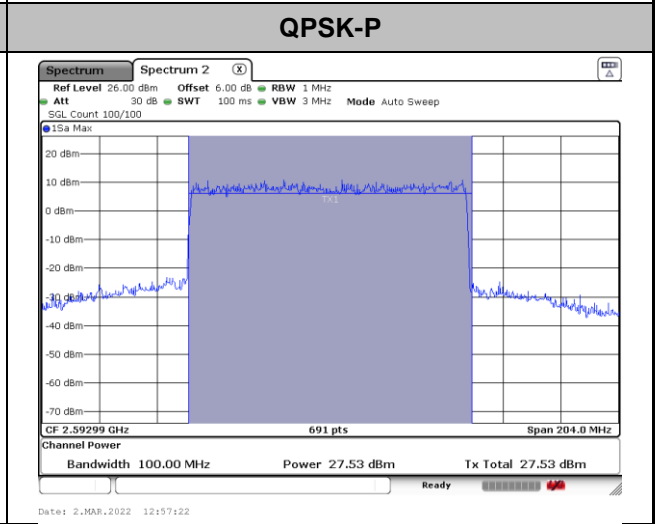
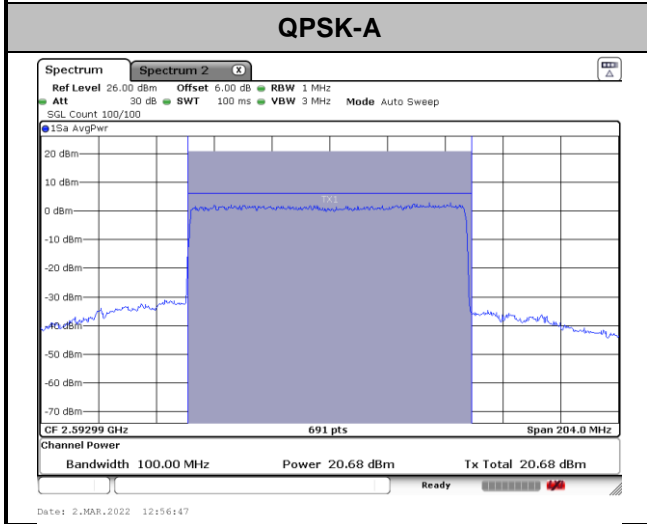
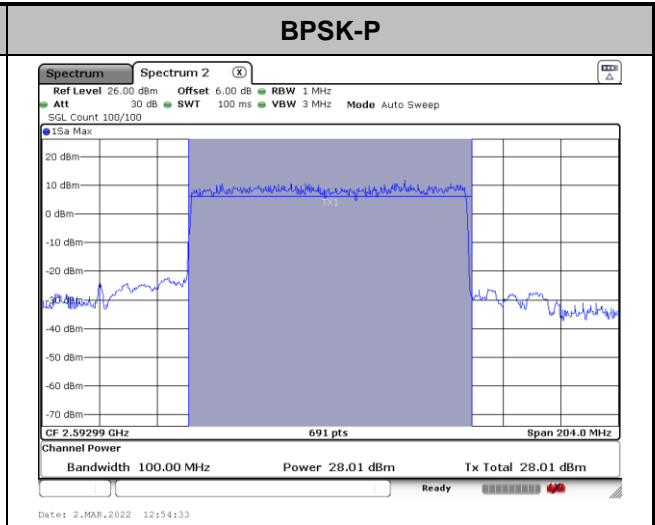
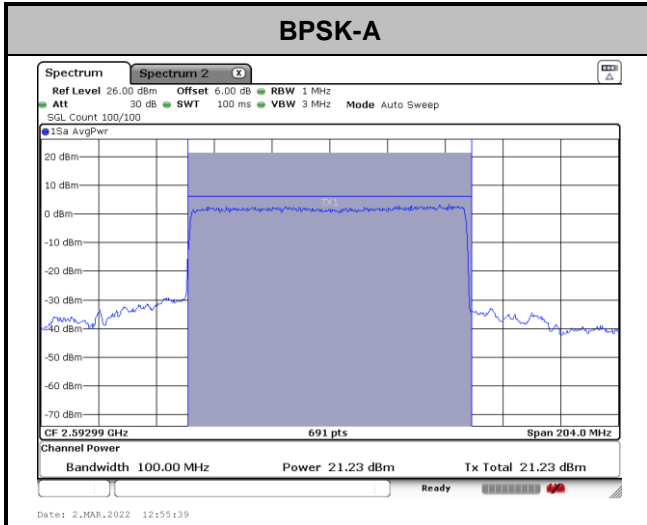
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



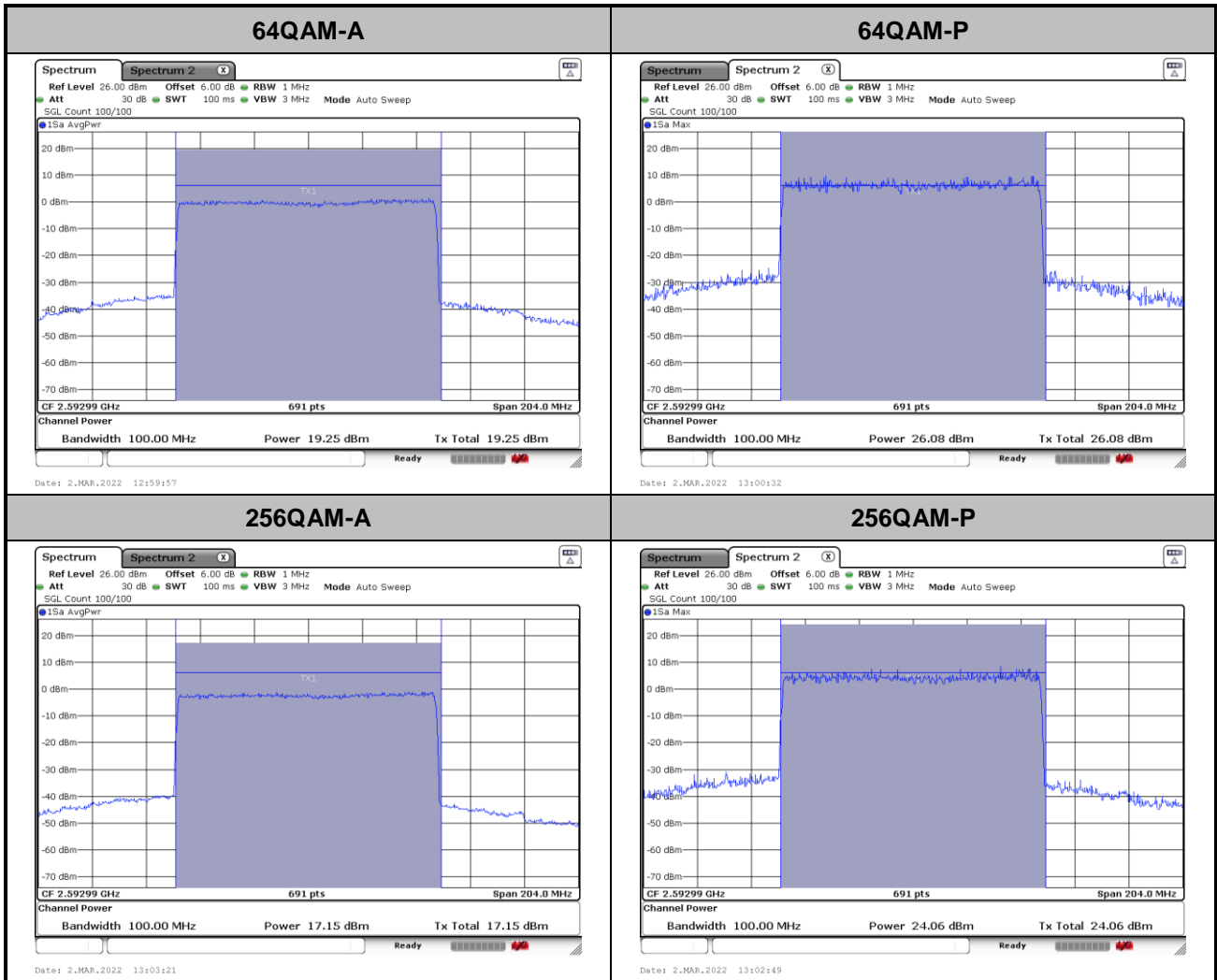
## FR1 n41 for other PA

### Peak-to-Average Ratio

Mode	FR1 n41 / 100MHz / DFT-S OFDM				
Mod.	100M				Limit: 13dB
RB Size	BPSK	QPSK	16QAM	64QAM	Result
Middle CH	6.78	6.85	6.97	6.83	PASS
RB Size	256QAM				
Middle CH	6.91				



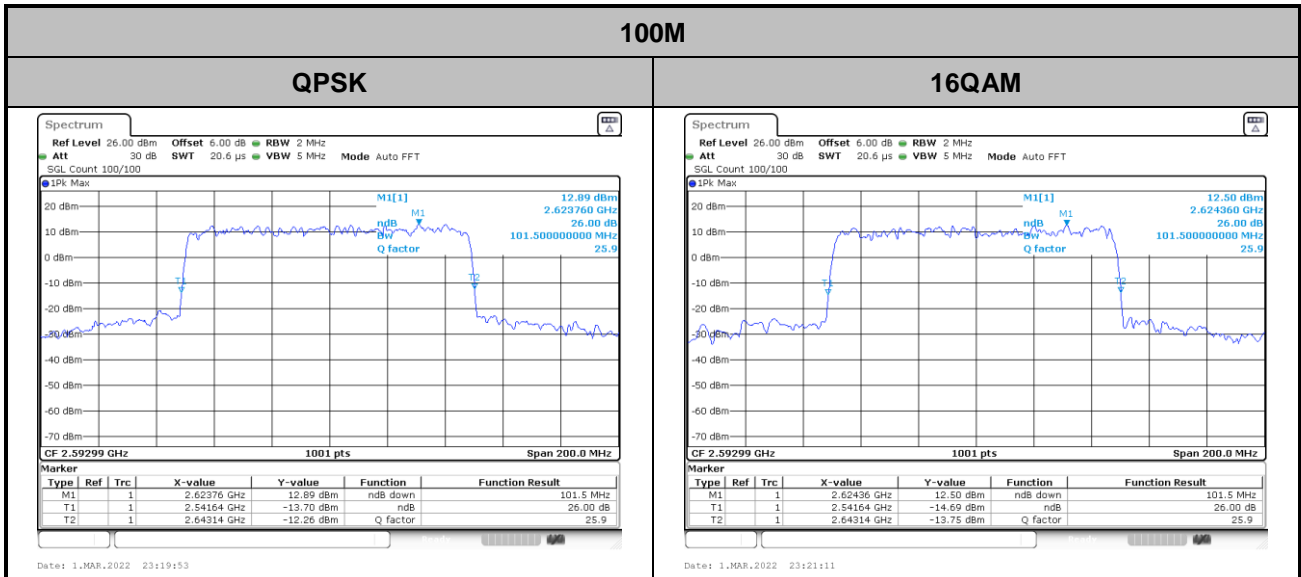






## 26dB Bandwidth

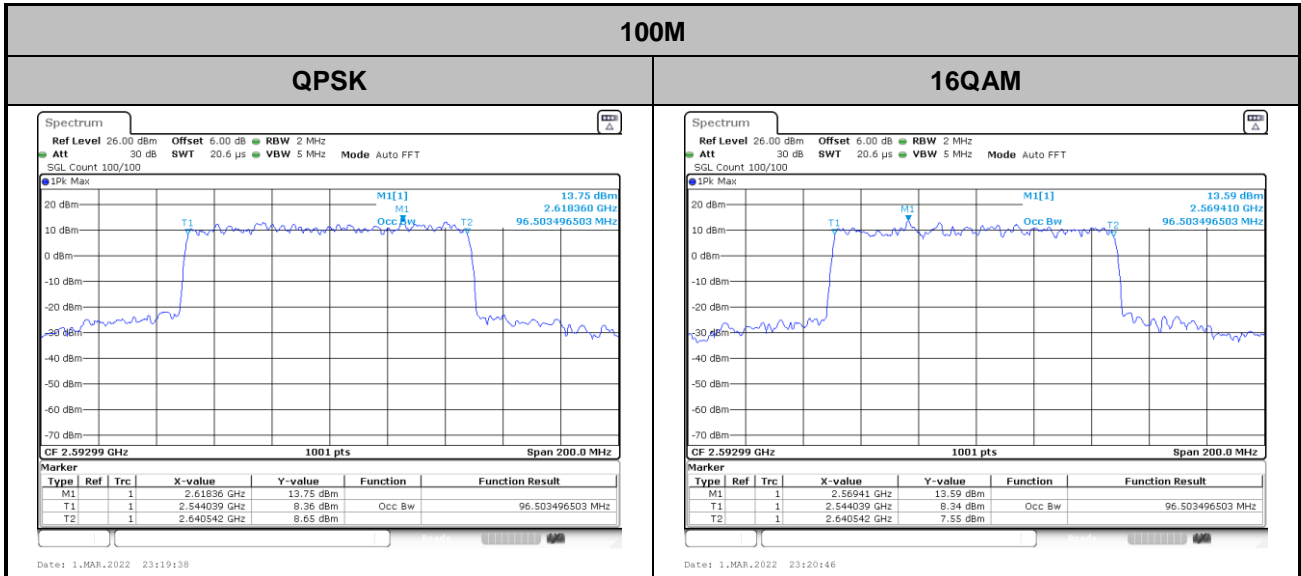
Mode	FR1 n41 : 26dB BW(MHz) / DFT-S OFDM	
BW	100M	
Mod.	QPSK	16QAM
Middle CH	101.5	101.5





# Occupied Bandwidth

Mode	FR1 n41 : OB BW(MHz) / DFT-S OFDM	
BW	100M	
Mod.	QPSK	16QAM
Middle CH	96.50	96.50



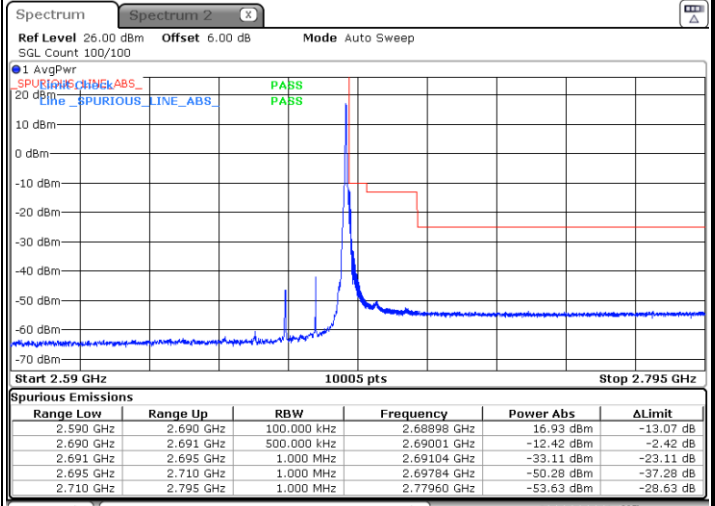
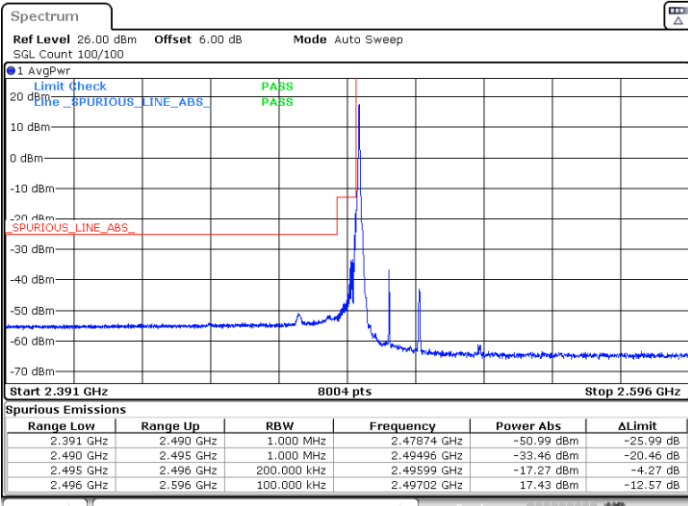


# Conducted Band Edge

## FR1 n41 / 20MHz / DFT-S OFDM / PI/2 BPSK

### Lowest Band Edge / 1RB0

### Highest Band Edge / 1RBmax

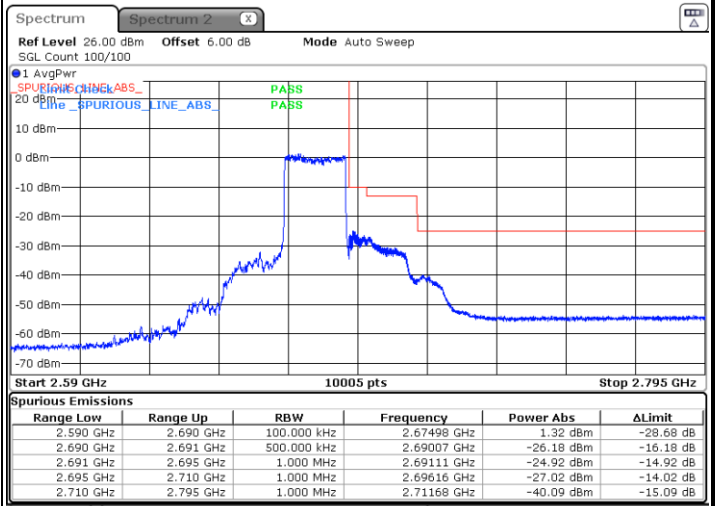
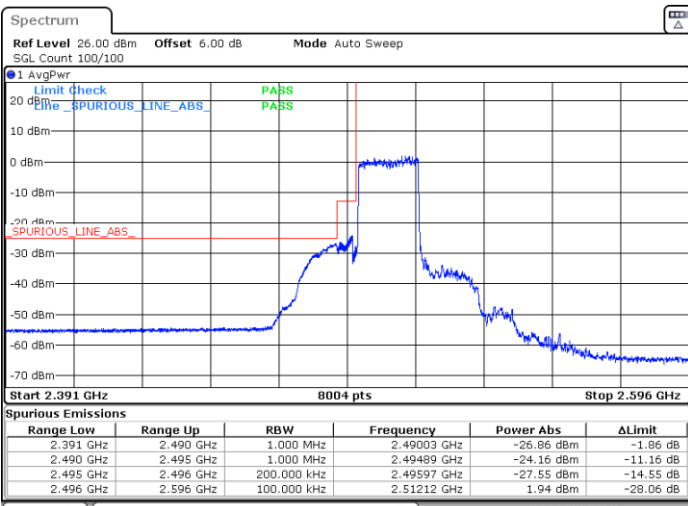


Date: 1.MAR.2022 14:11:21

Date: 1.MAR.2022 14:32:55

### Lowest Band Edge / Full RB

### Highest Band Edge / Full RB



Date: 1.MAR.2022 14:23:31

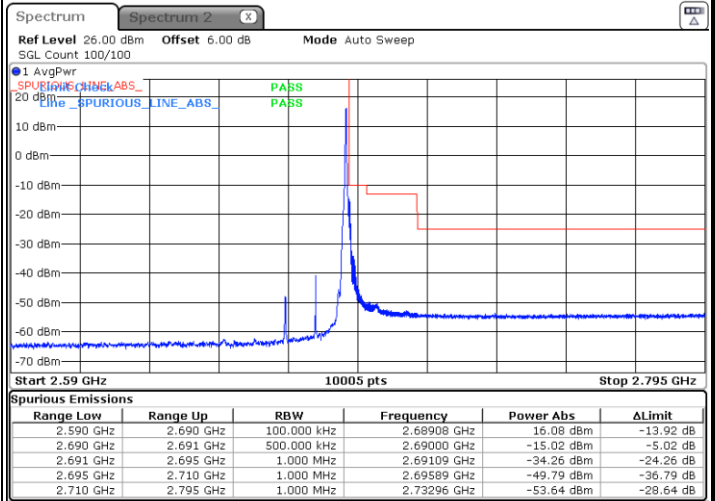
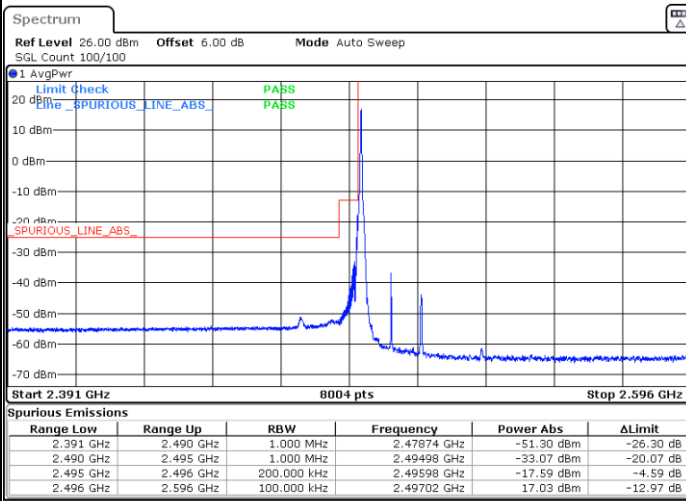
Date: 1.MAR.2022 14:38:59



FR1 n41 / 20MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

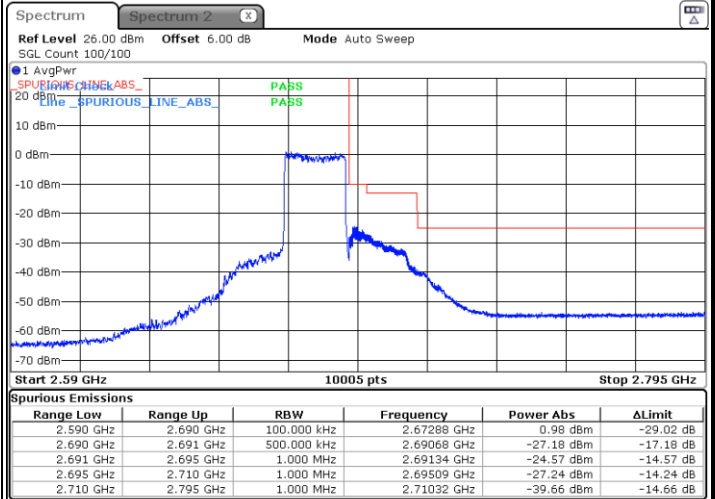
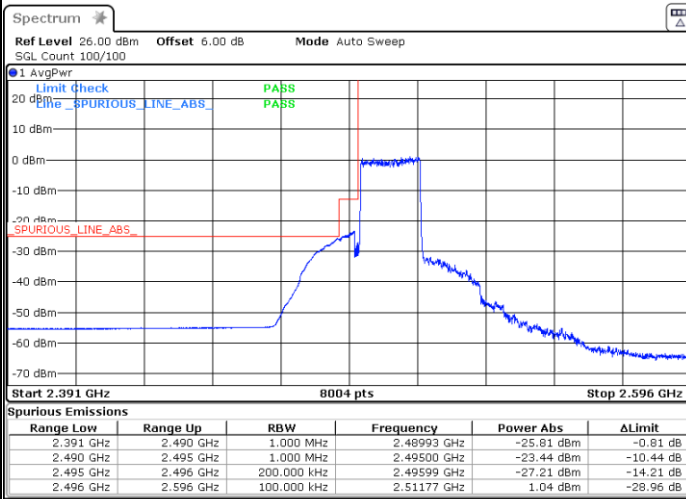


Date: 1.MAR.2022 14:13:07

Date: 1.MAR.2022 14:33:31

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1.MAR.2022 14:22:24

Date: 1.MAR.2022 14:38:20

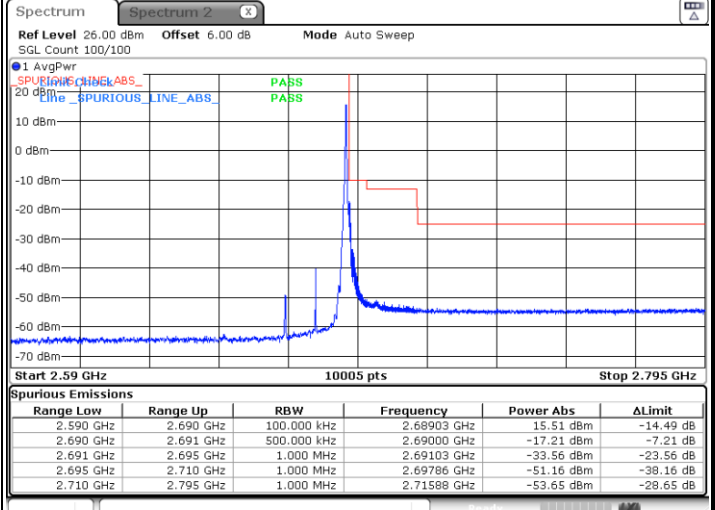
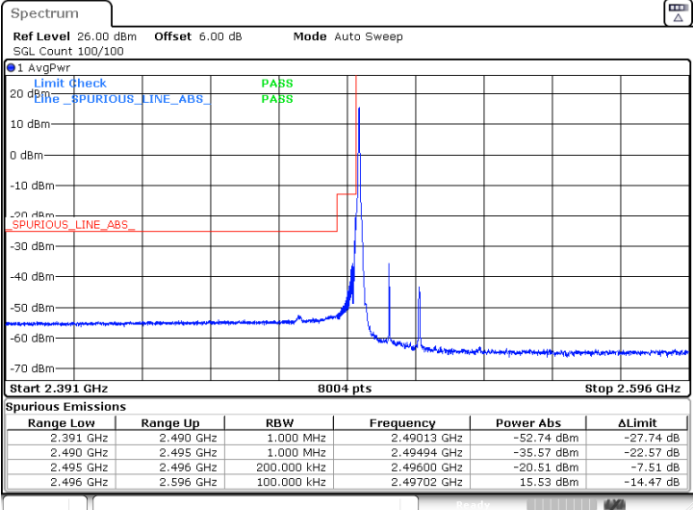




FR1 n41 / 20MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

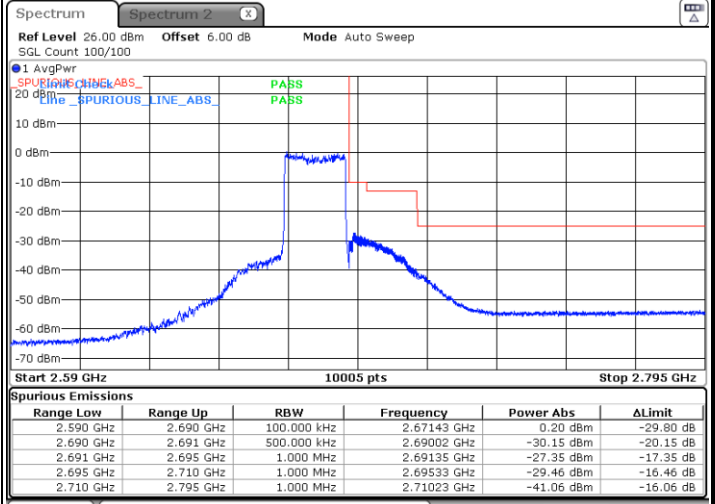
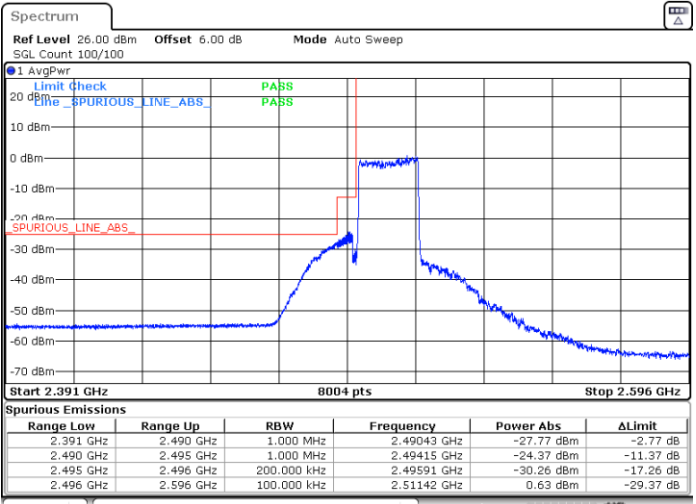


Date: 1.MAR.2022 14:14:01

Date: 1.MAR.2022 14:34:08

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



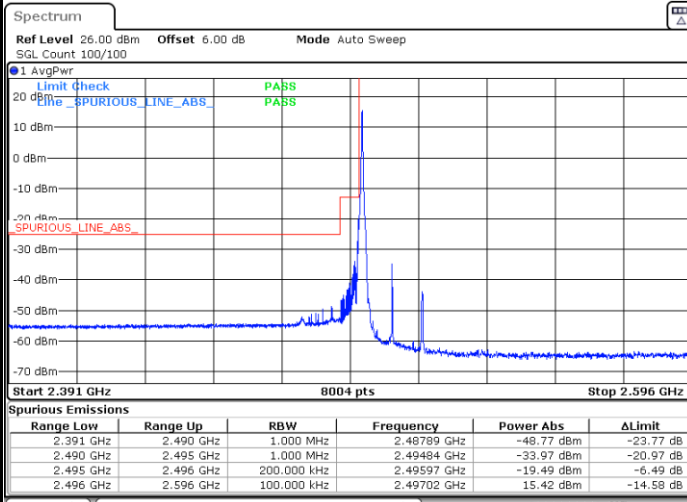
Date: 1.MAR.2022 14:20:23

Date: 1.MAR.2022 14:37:38



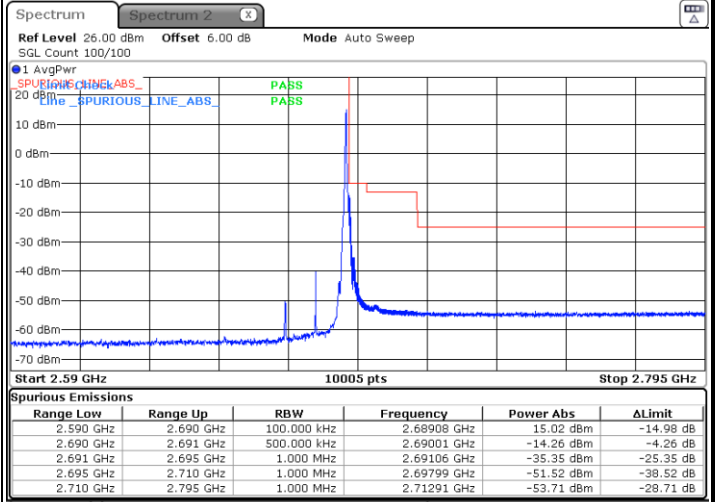
FR1 n41 / 20MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0



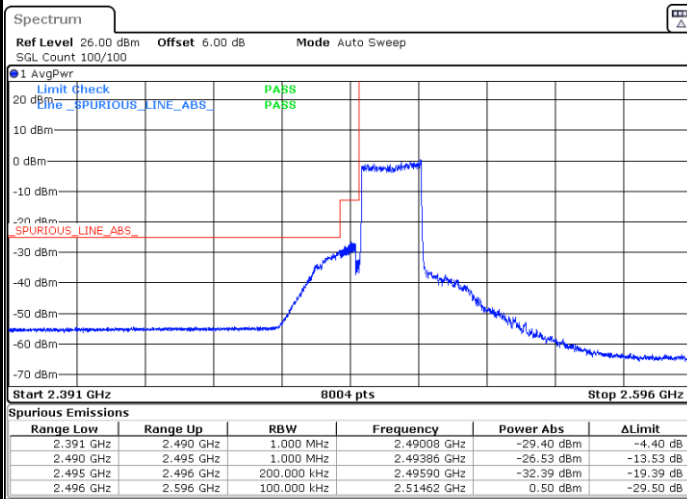
Date: 1.MAR.2022 14:17:01

Highest Band Edge / 1RB24



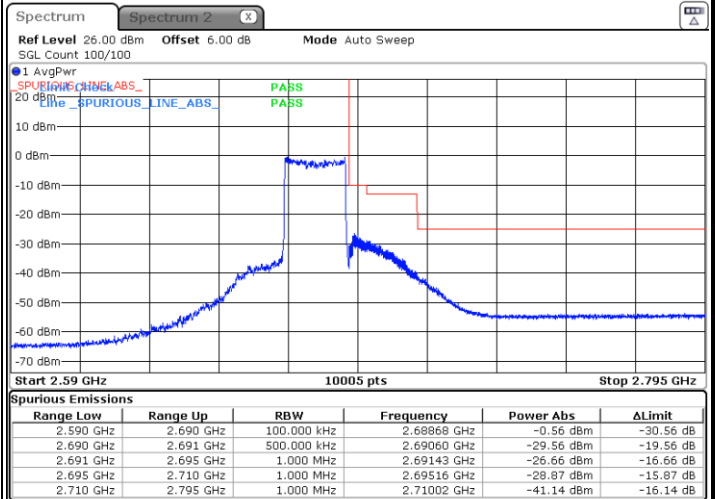
Date: 1.MAR.2022 14:35:04

Lowest Band Edge / Full RB



Date: 1.MAR.2022 14:19:37

Highest Band Edge / Full RB



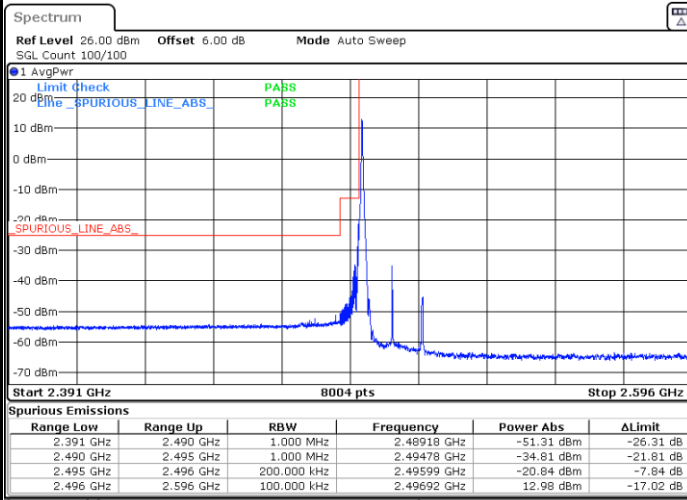
Date: 1.MAR.2022 14:36:55





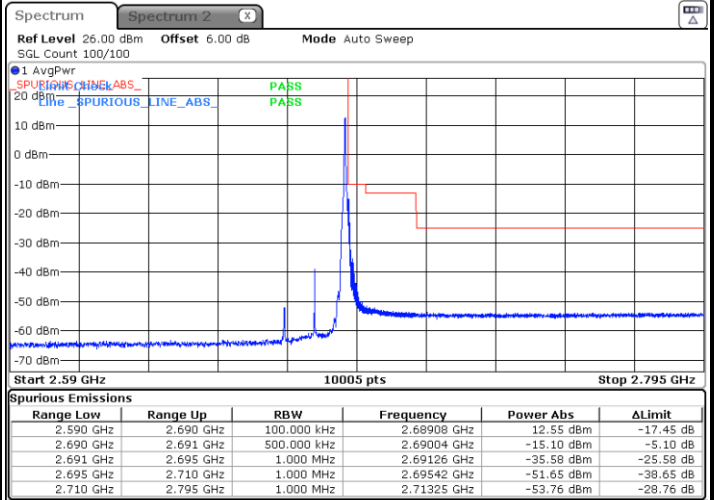
FR1 n41 / 20MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0



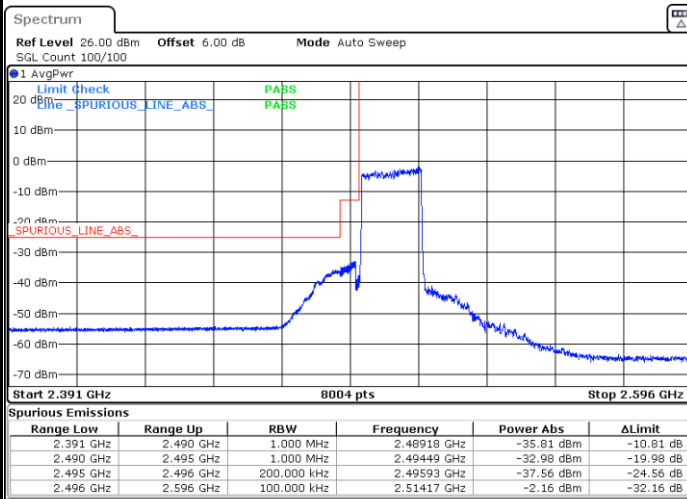
Date: 1.MAR.2022 14:17:41

Highest Band Edge / 1RB24



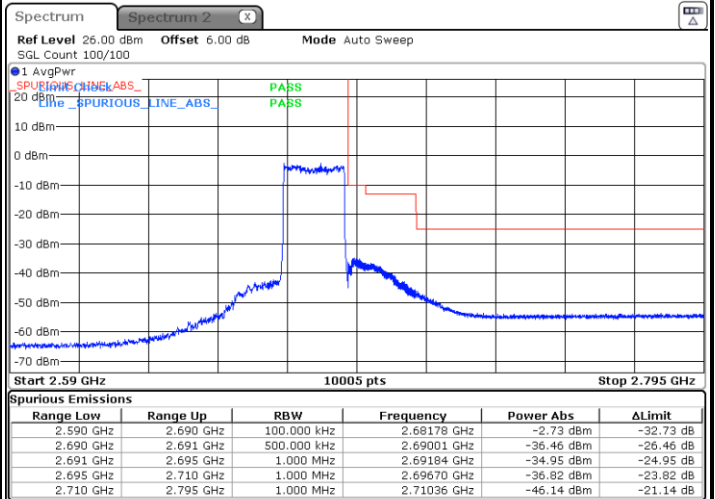
Date: 1.MAR.2022 14:35:38

Lowest Band Edge / Full RB



Date: 1.MAR.2022 14:18:56

Highest Band Edge / Full RB



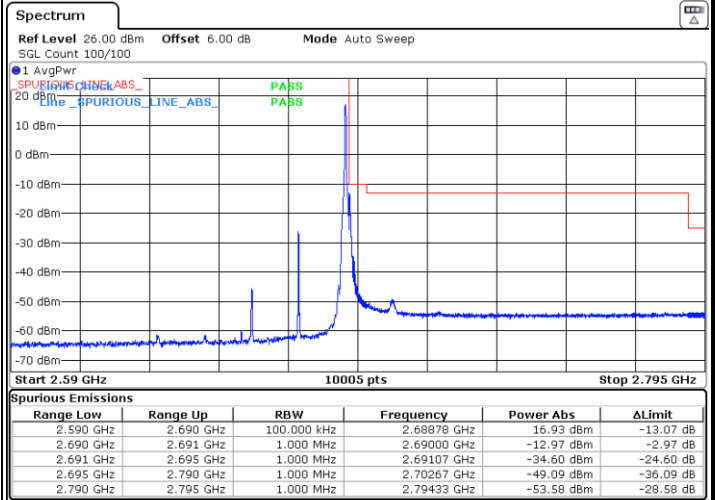
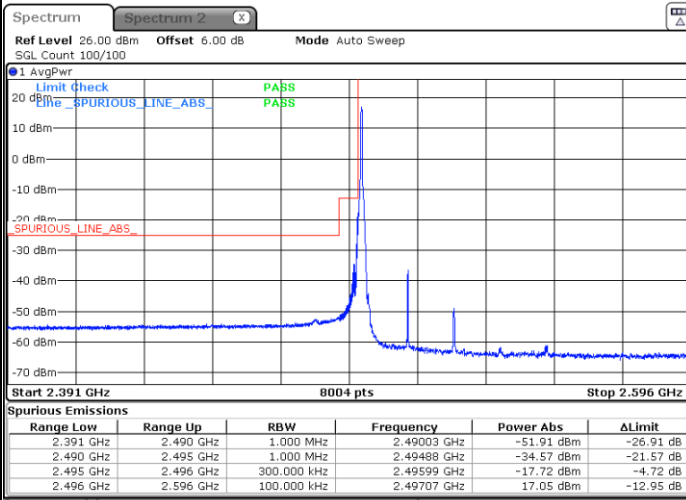
Date: 1.MAR.2022 14:36:20



FR1 n41 / 30MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

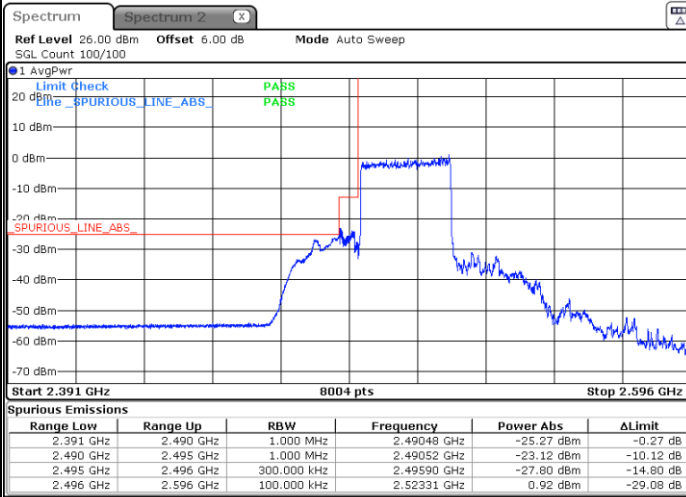


Date: 2.MAR.2022 09:55:06

Date: 1.MAR.2022 22:27:37

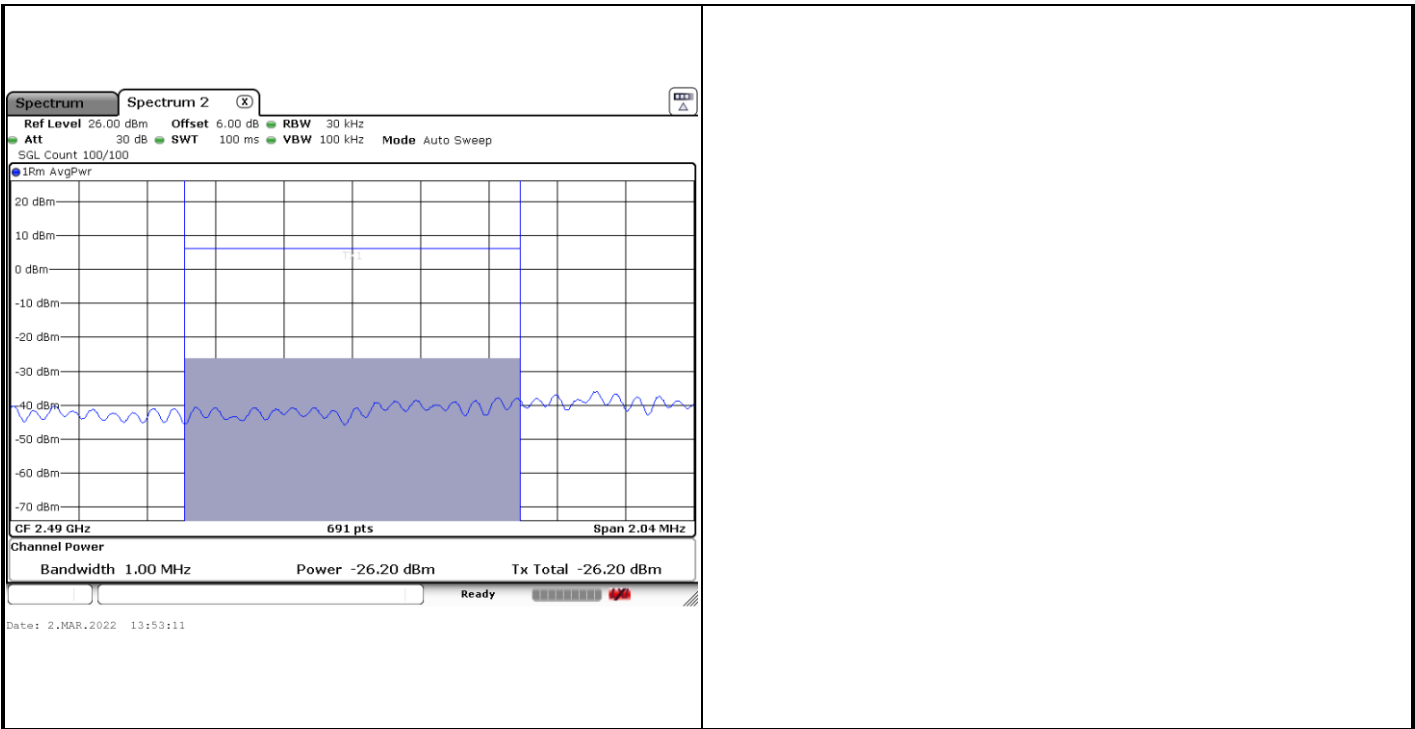
Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.MAR.2022 09:44:06

Date: 1.MAR.2022 22:26:01

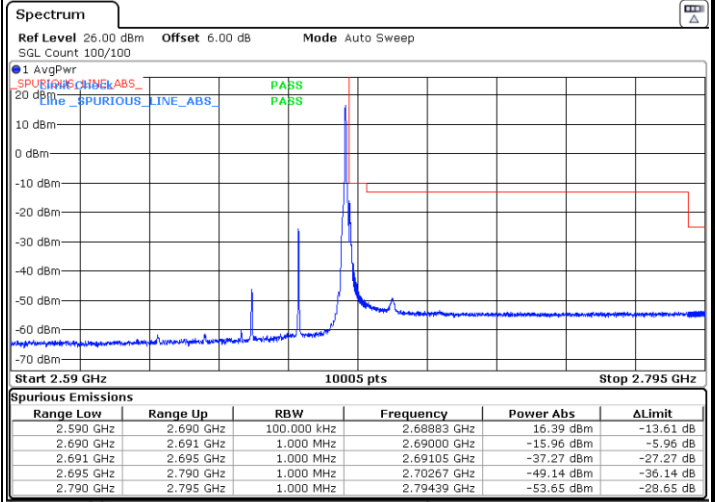
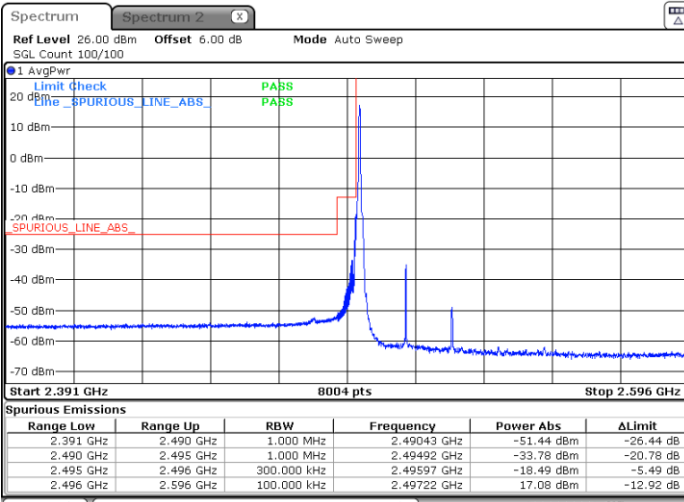




FR1 n41 / 30MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

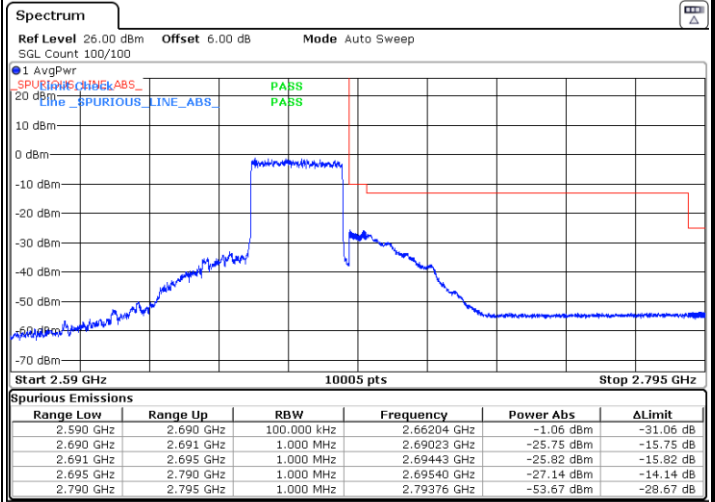
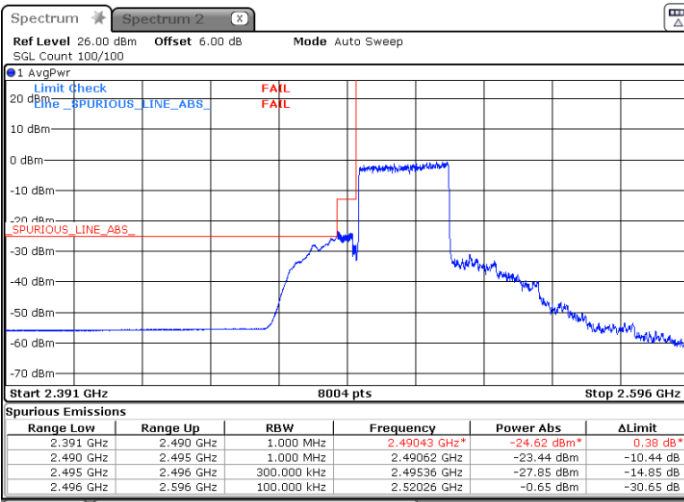


Date: 2.MAR.2022 09:54:22

Date: 1.MAR.2022 22:29:02

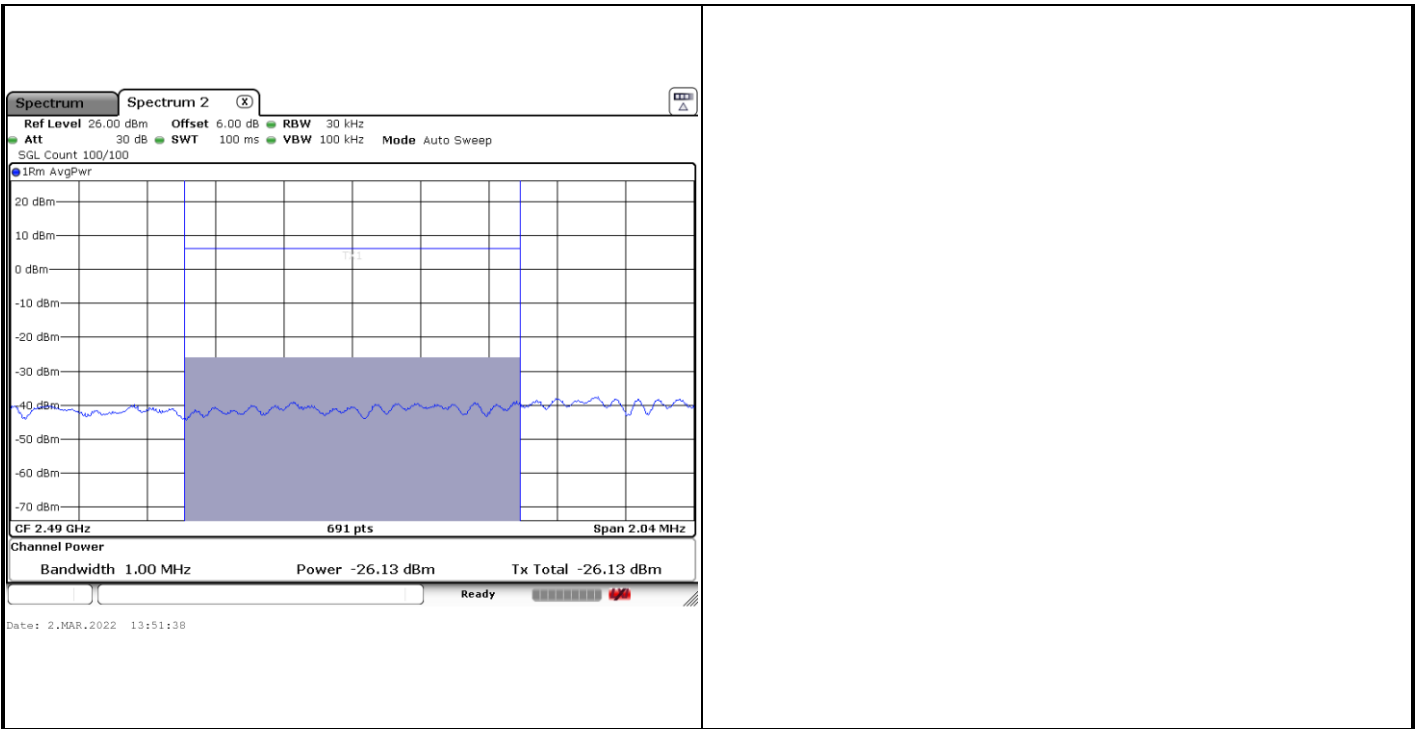
Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 2.MAR.2022 09:45:39

Date: 1.MAR.2022 22:25:38

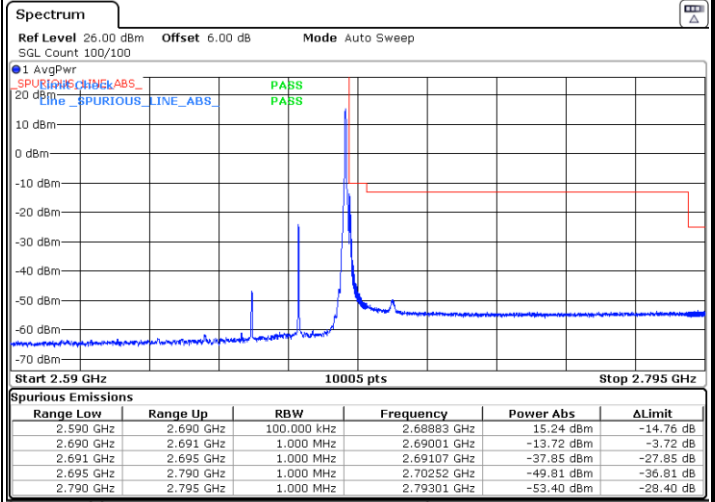
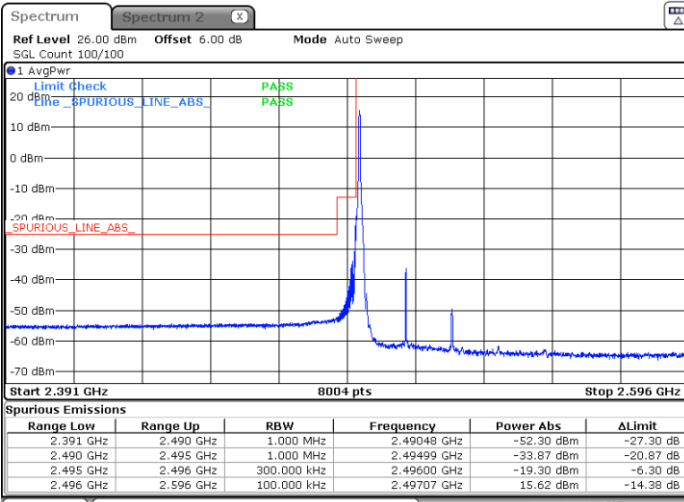




FR1 n41 / 30MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

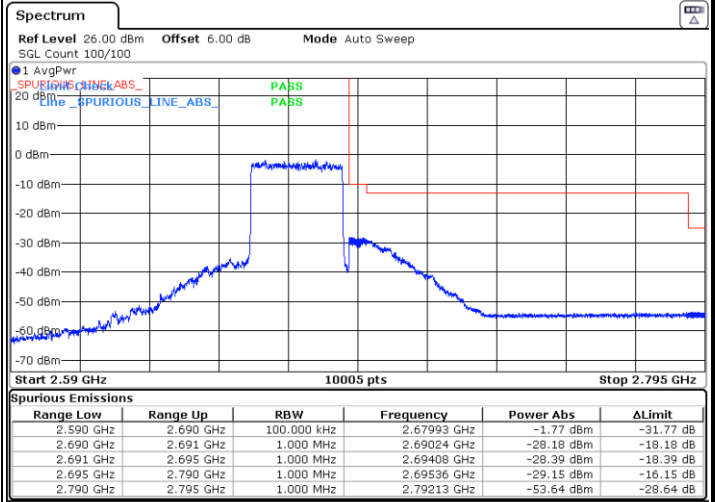
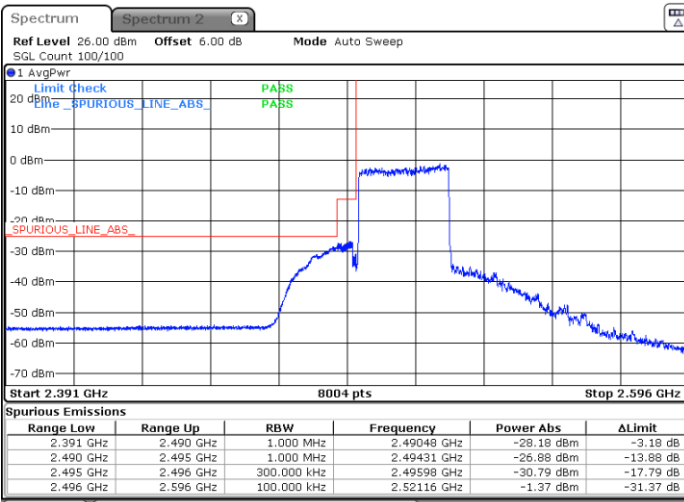


Date: 2.MAR.2022 09:53:01

Date: 1.MAR.2022 22:29:32

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



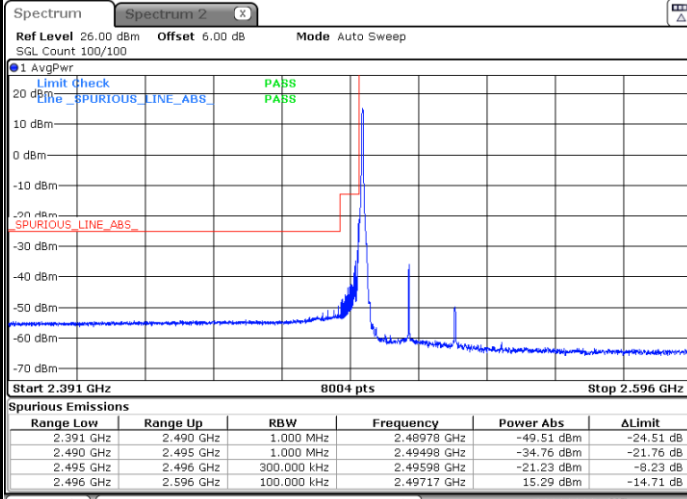
Date: 2.MAR.2022 09:47:04

Date: 1.MAR.2022 22:25:20



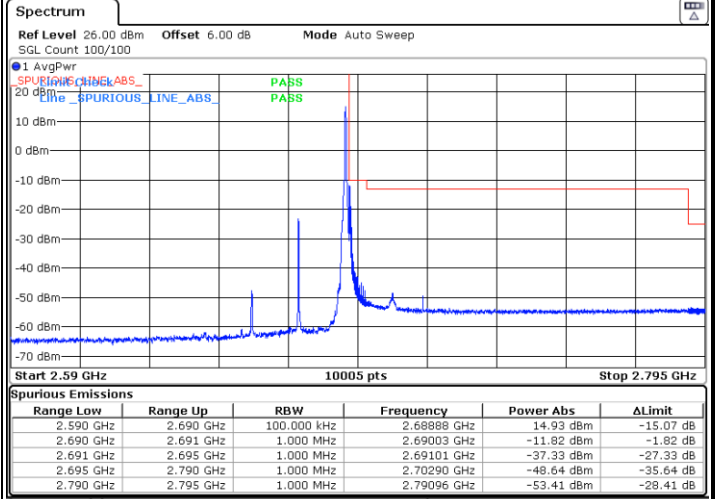
FR1 n41 / 30MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0



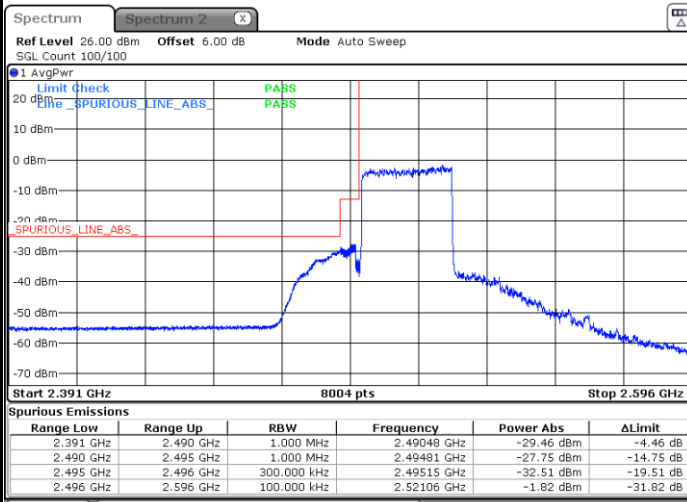
Date: 2.MAR.2022 09:52:17

Highest Band Edge / 1RB24



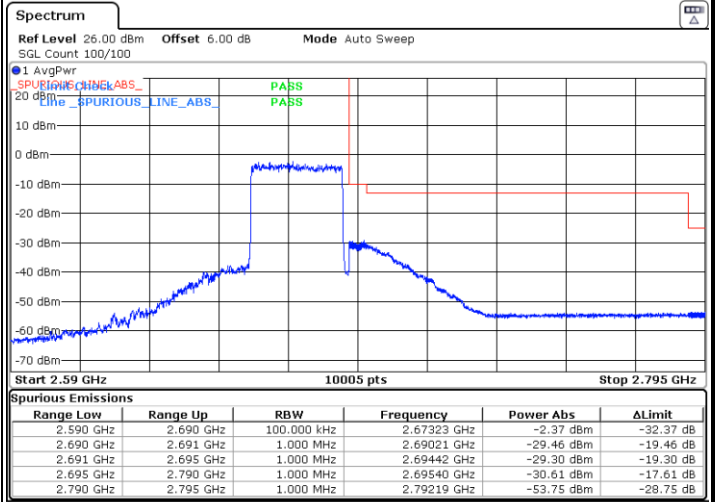
Date: 1.MAR.2022 22:29:50

Lowest Band Edge / Full RB



Date: 2.MAR.2022 09:48:07

Highest Band Edge / Full RB

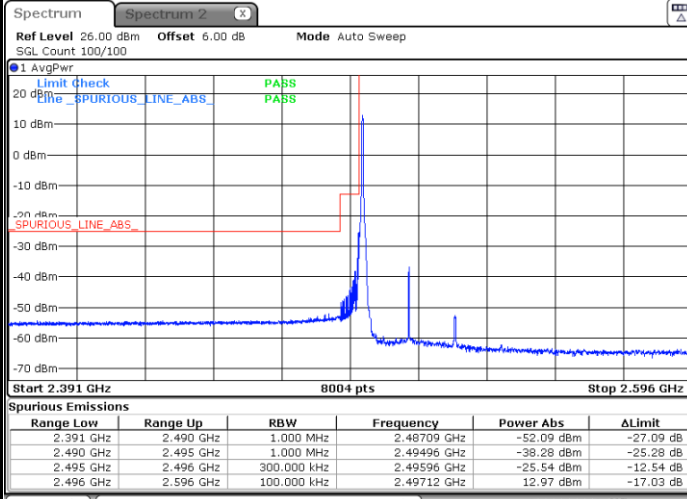


Date: 1.MAR.2022 22:24:59



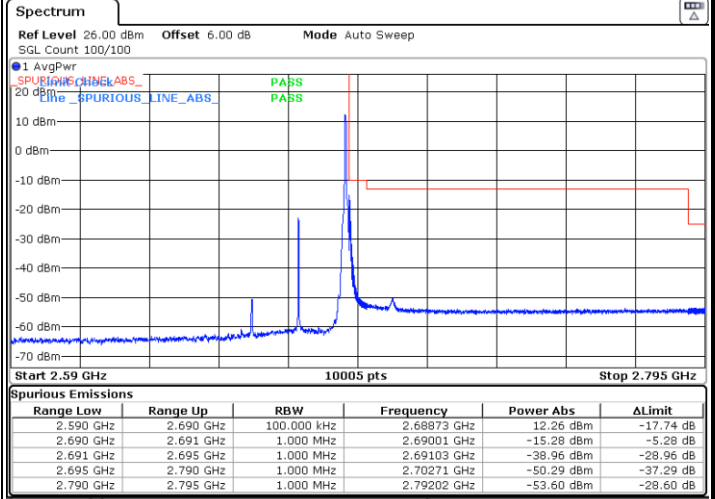
FR1 n41 / 30MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0



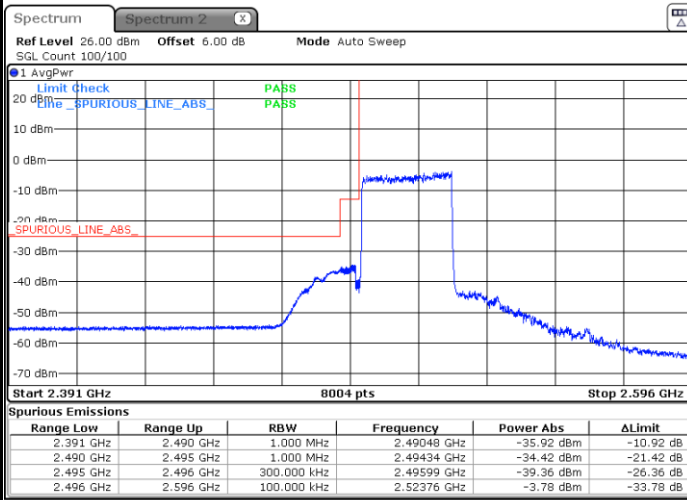
Date: 2.MAR.2022 09:50:29

Highest Band Edge / 1RB24



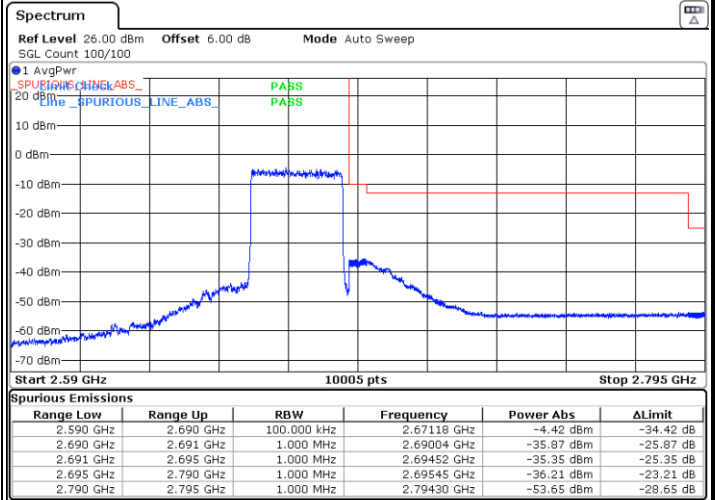
Date: 1.MAR.2022 22:30:09

Lowest Band Edge / Full RB



Date: 2.MAR.2022 09:49:11

Highest Band Edge / Full RB



Date: 1.MAR.2022 22:24:37

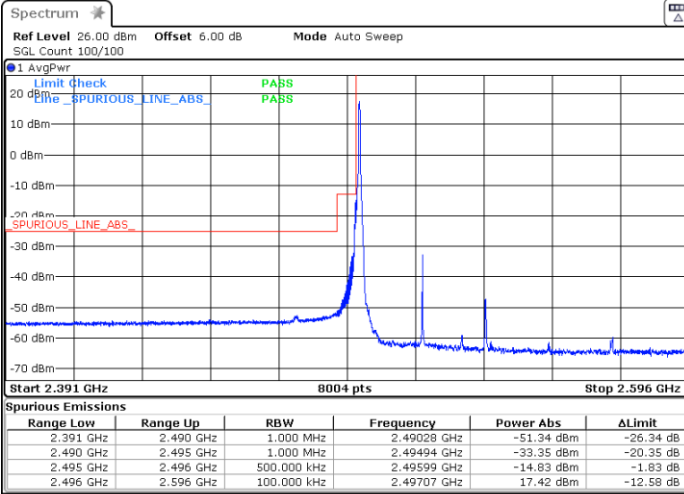




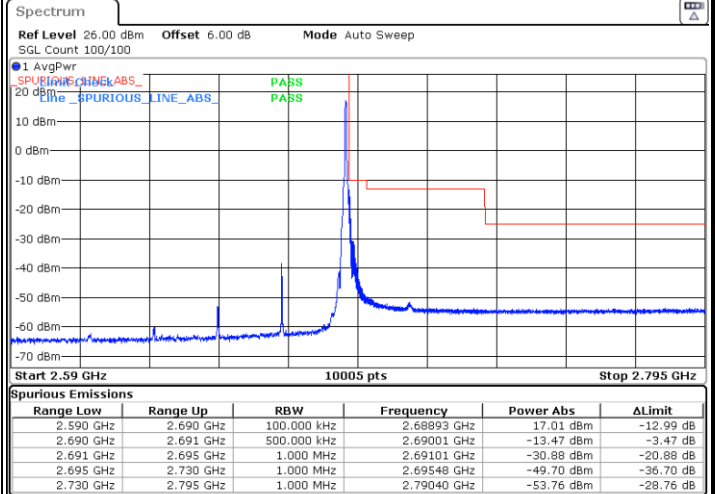
FR1 n41 / 40MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



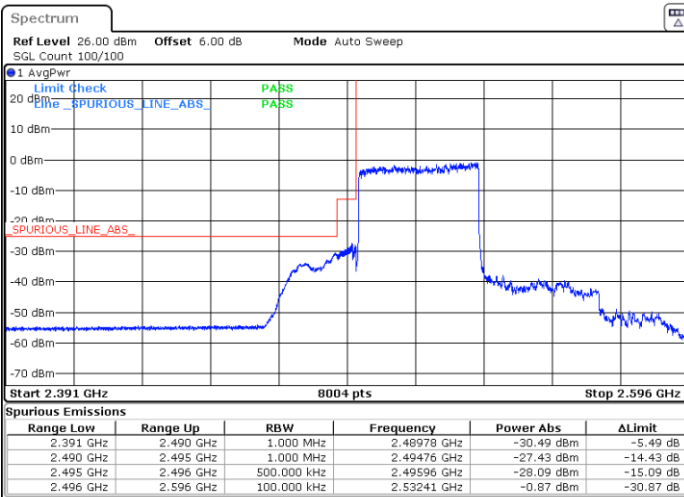
Date: 1.MAR.2022 15:00:50



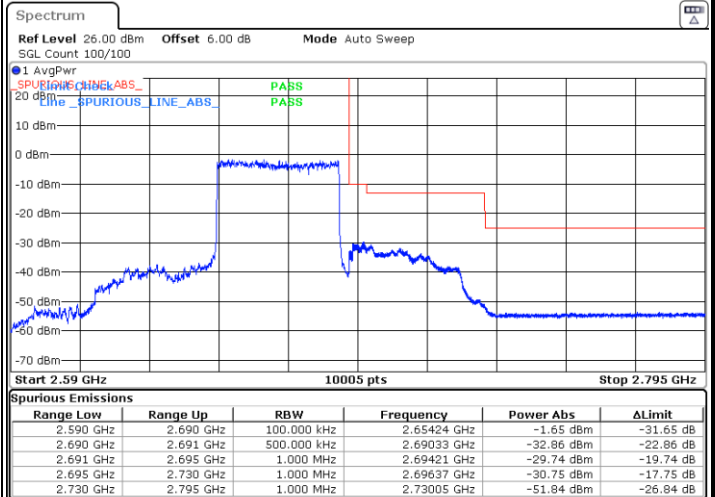
Date: 1.MAR.2022 15:24:20

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1.MAR.2022 15:17:43



Date: 1.MAR.2022 15:36:07