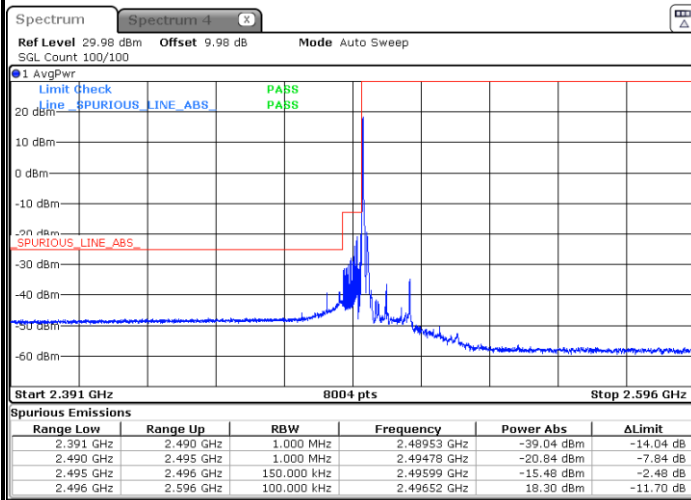


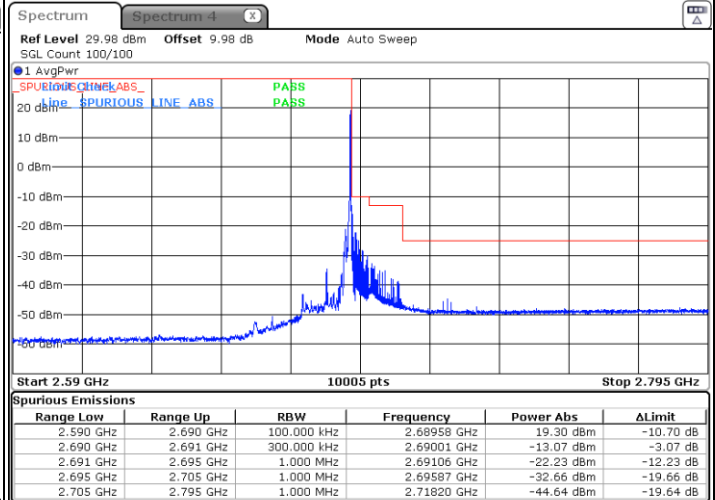


FR1 n41 / 15MHz / DFT-S OFDM / 256Q

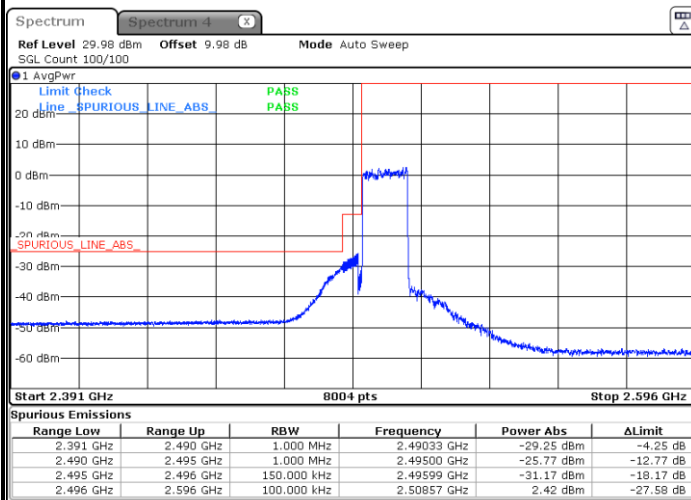
Lowest Band Edge / 1RB0



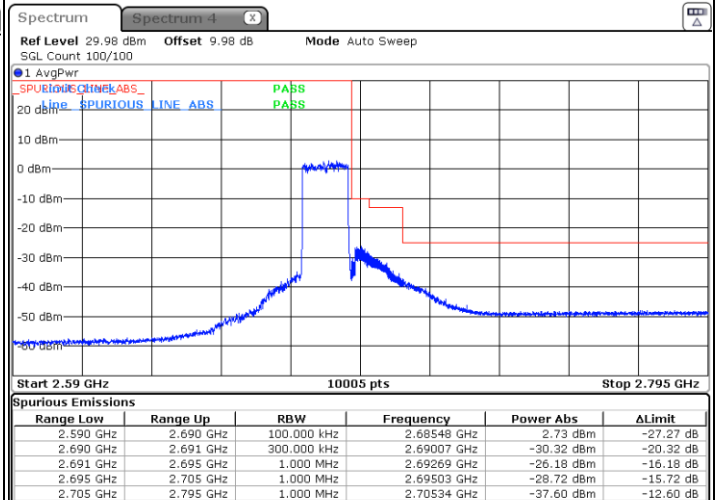
Highest Band Edge / 1RB24



Lowest Band Edge / Full RB



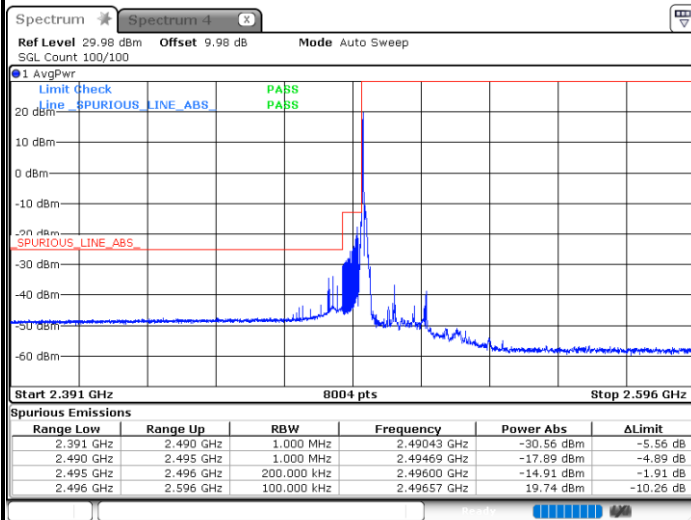
Highest Band Edge / Full RB



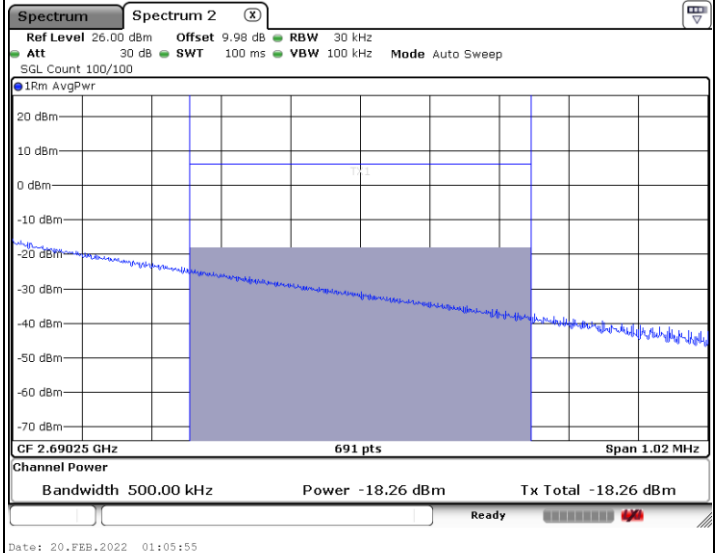
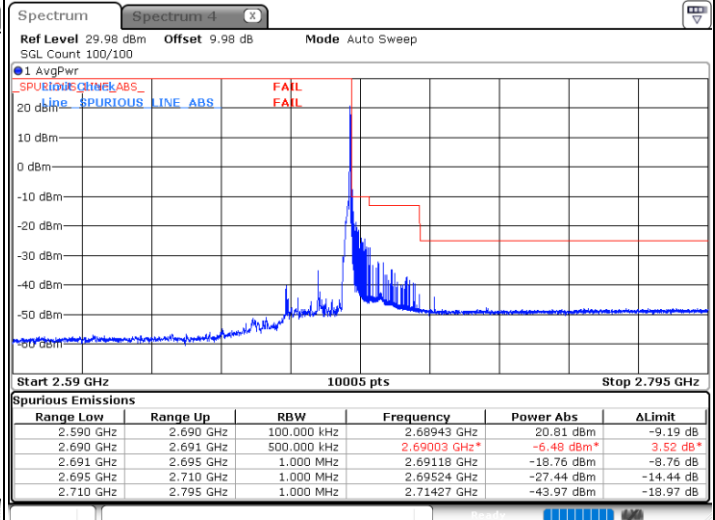


FR1 n41 / 20MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0



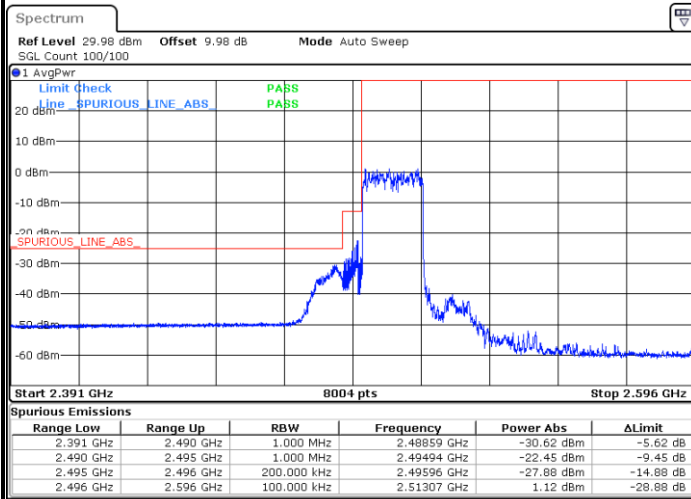
Highest Band Edge / 1RBmax



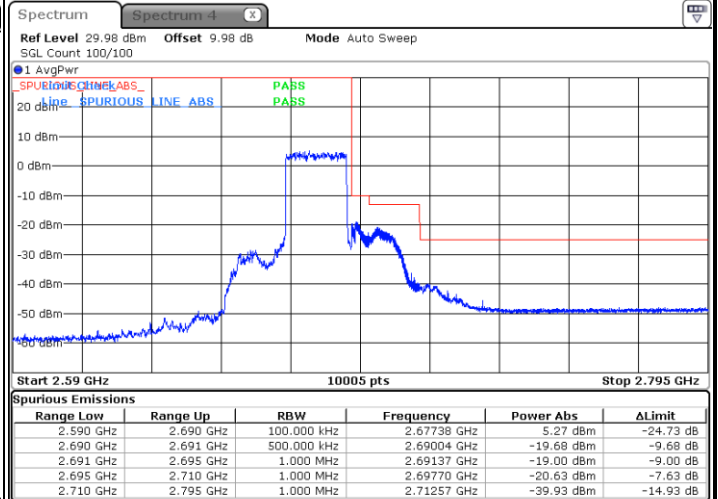


Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 MAR 2022 10:06:51

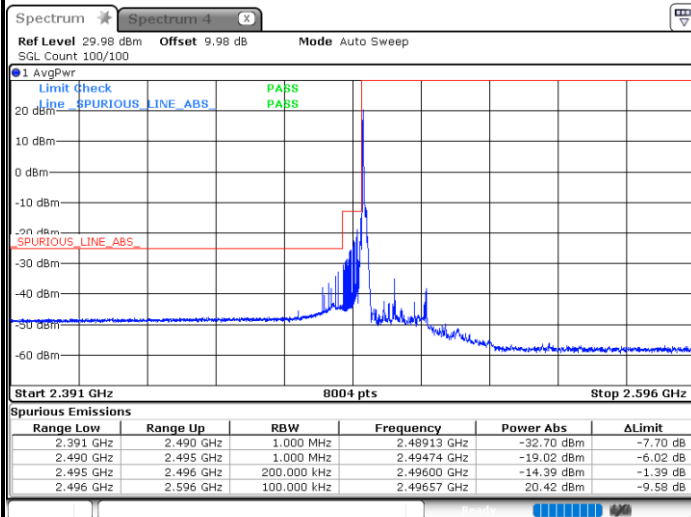


Date: 19.FEB.2022 23:21:53

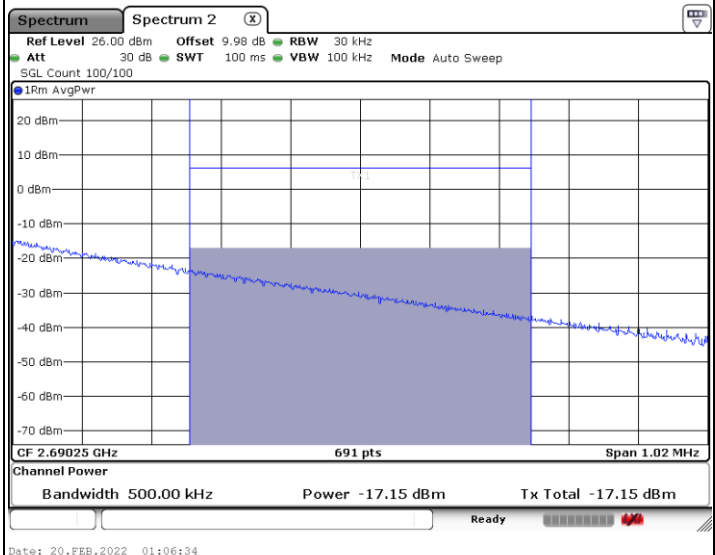
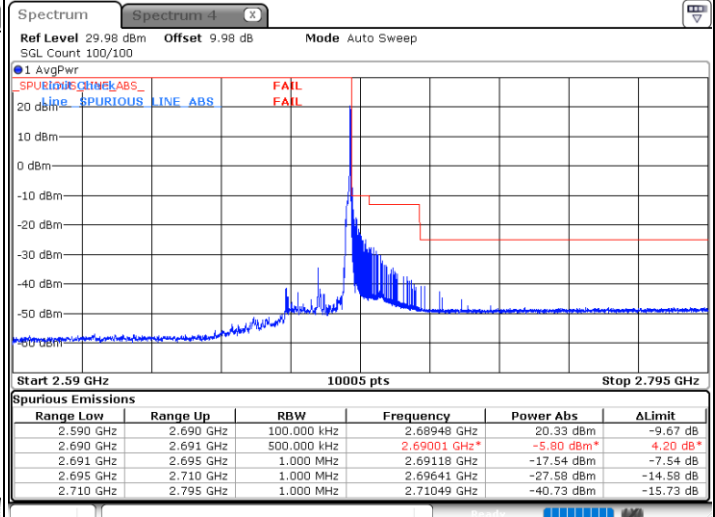


FR1 n41 / 20MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

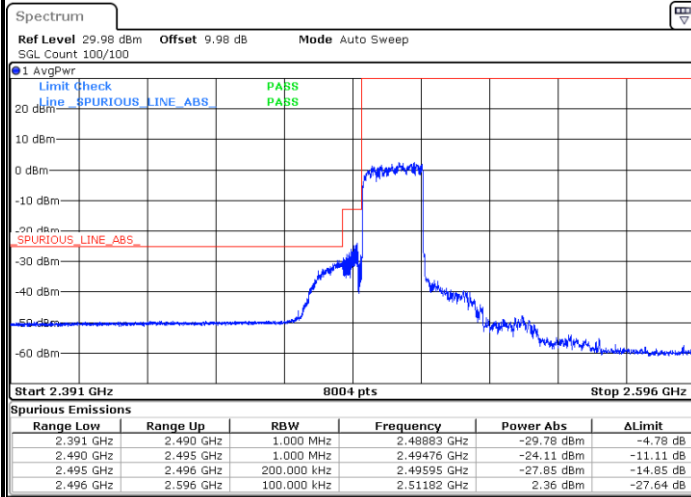


Highest Band Edge / 1RBmax



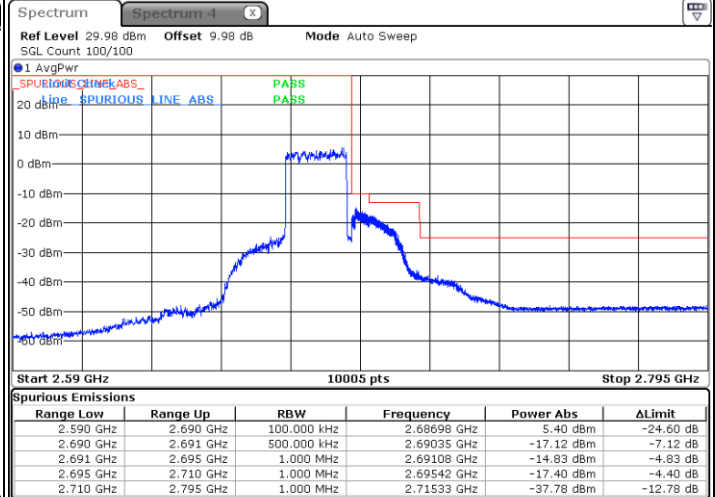


Lowest Band Edge / Full RB



Date: 1 MAR 2022 10:07:12

Highest Band Edge / Full RB

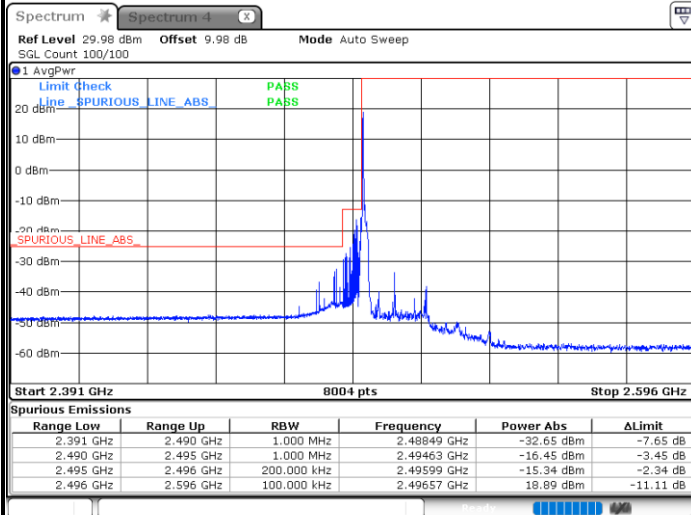


Date: 19.FEB.2022 23:22:47

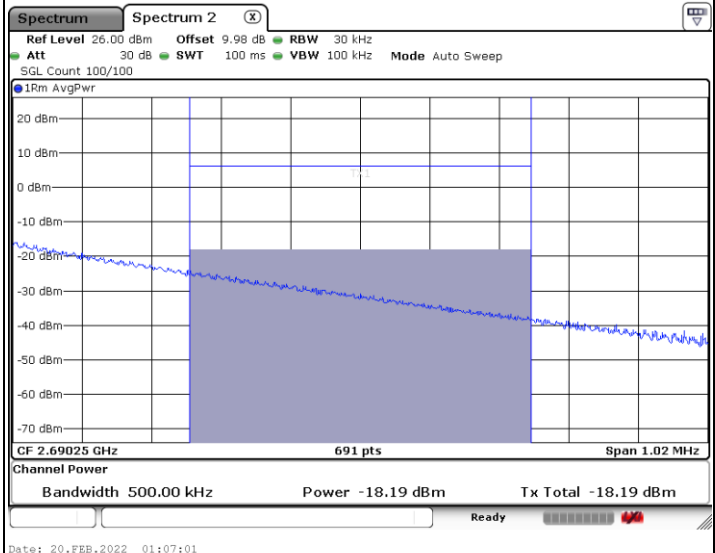
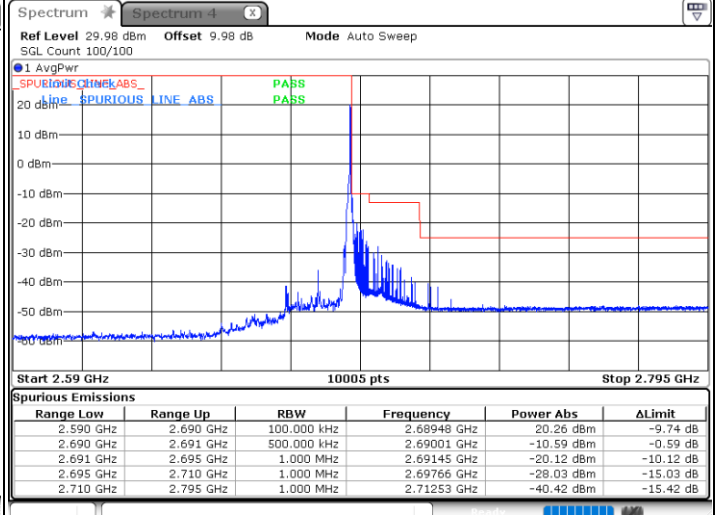


FR1 n41 / 20MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

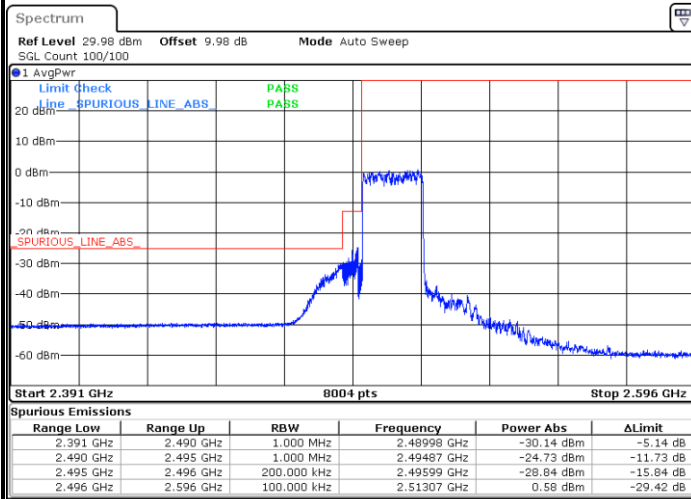


Highest Band Edge / 1RBmax



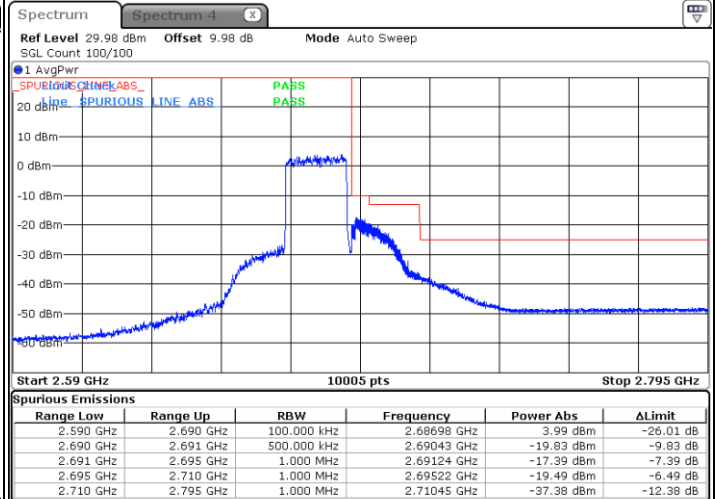


Lowest Band Edge / Full RB



Date: 1 MAR 2022 10:07:31

Highest Band Edge / Full RB

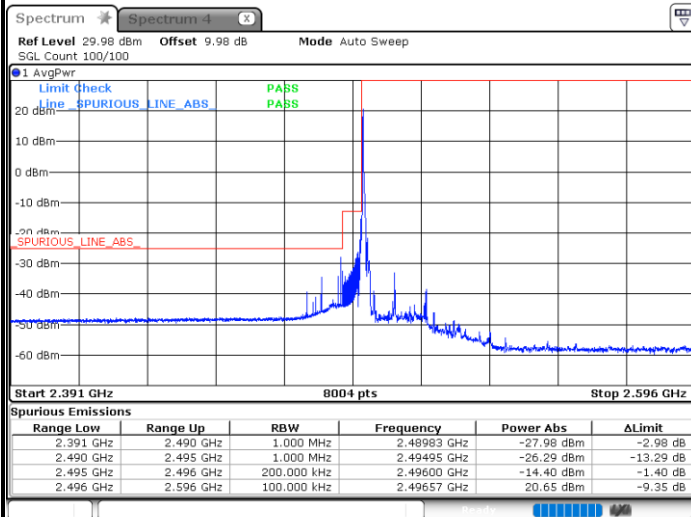


Date: 19.FEB.2022 23:23:09

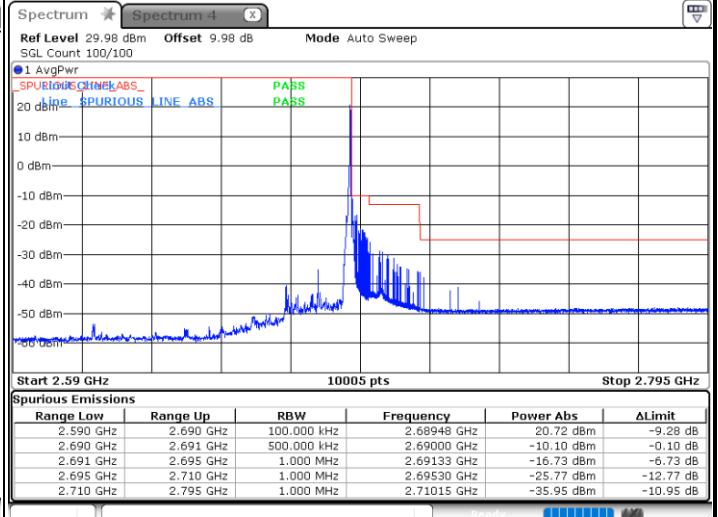


FR1 n41 / 20MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0

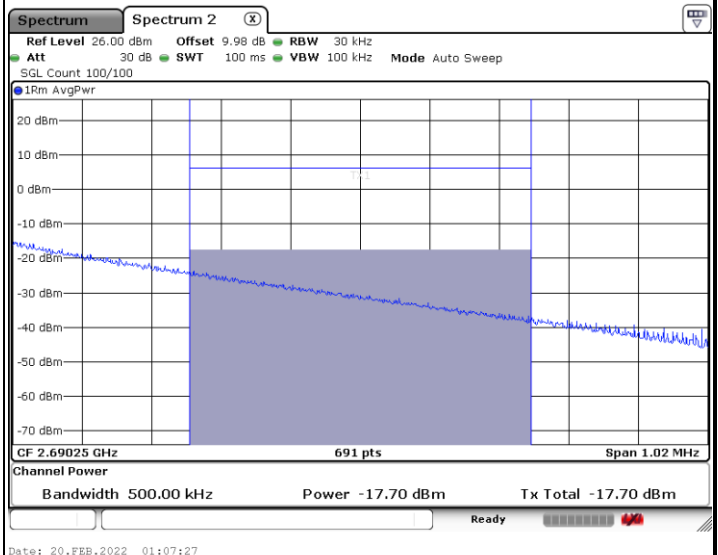


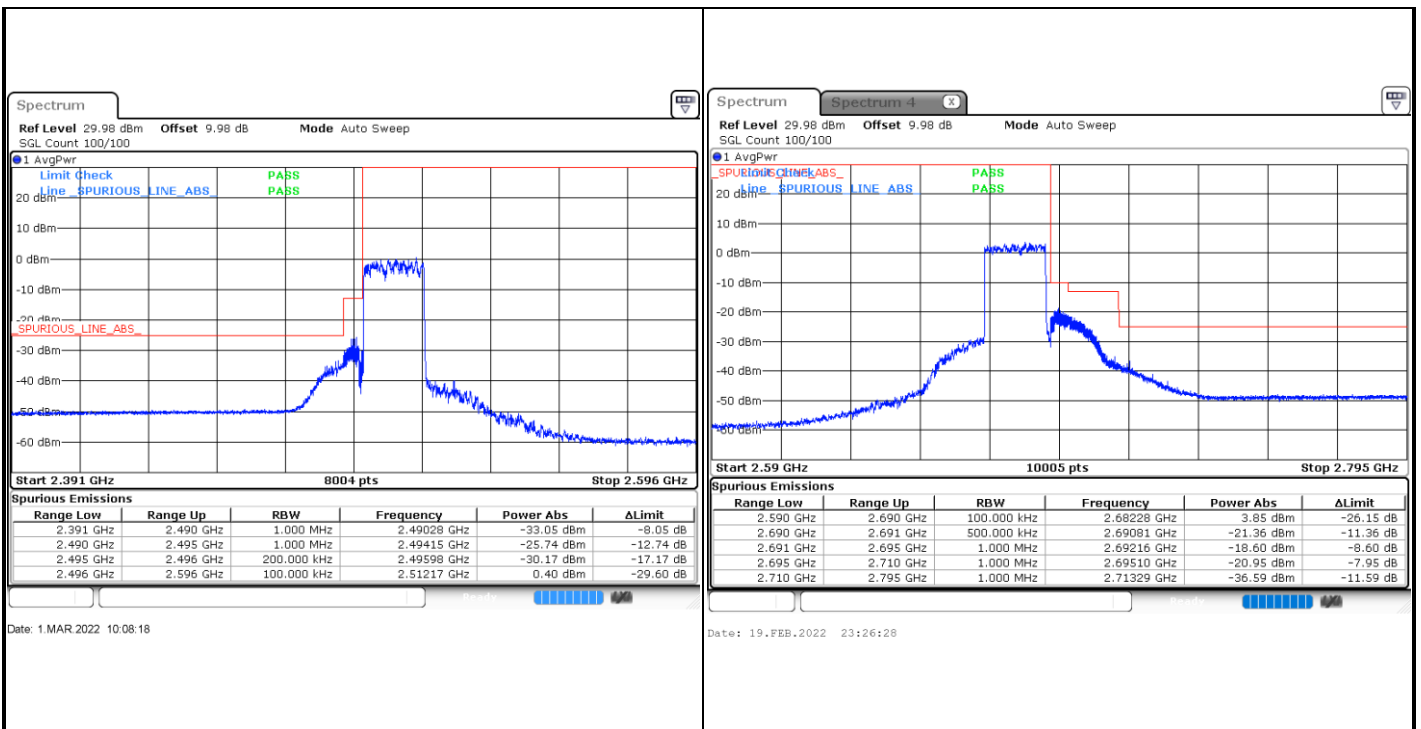
Highest Band Edge / 1RB24



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

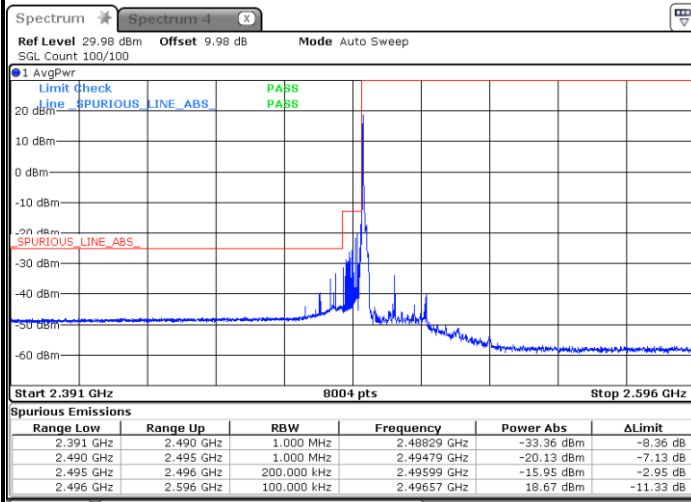




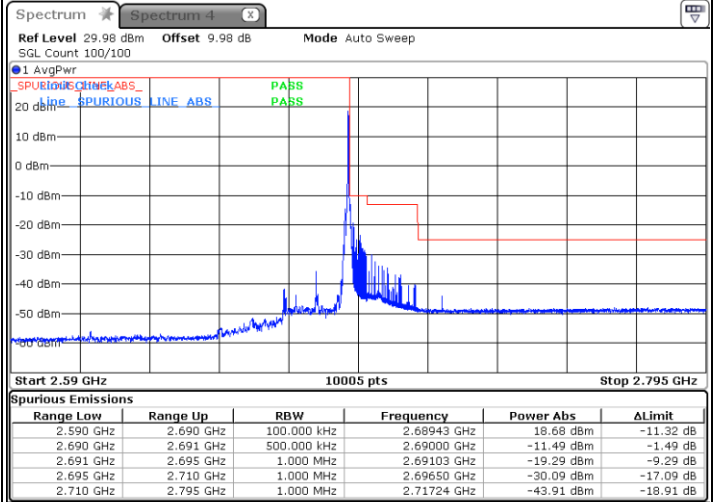


FR1 n41 / 20MHz / DFT-S OFDM / 256Q

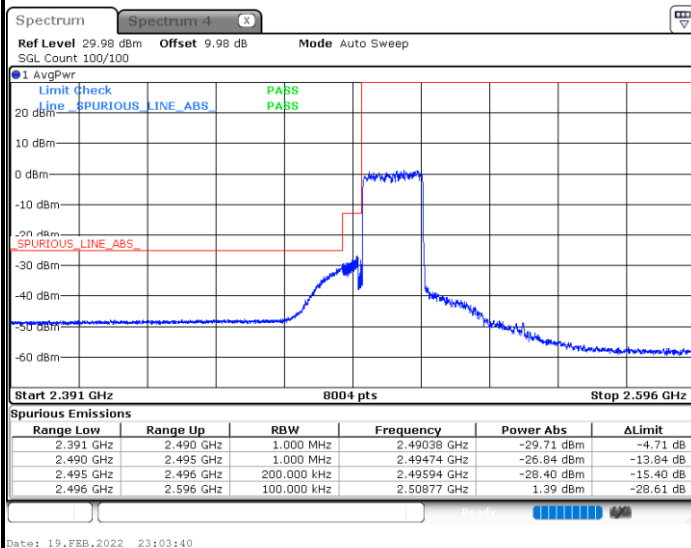
Lowest Band Edge / 1RB0



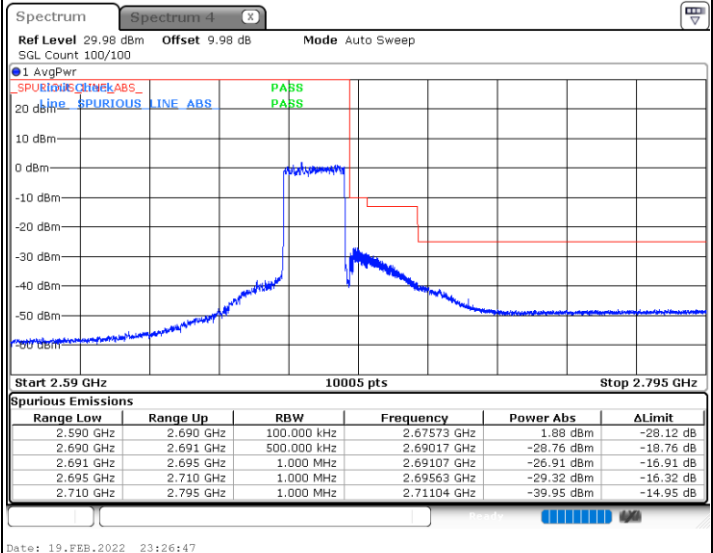
Highest Band Edge / 1RB24



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

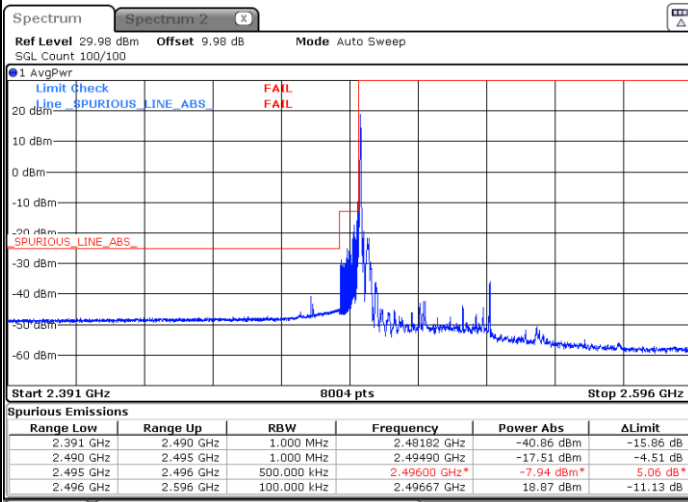




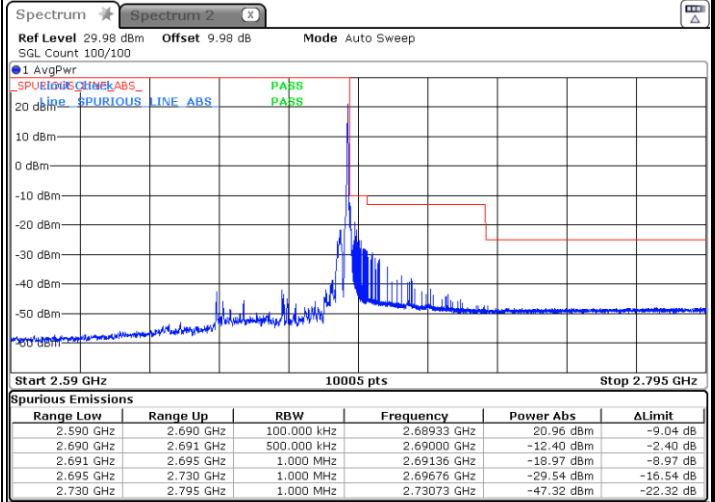
FR1 n41 / 40MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

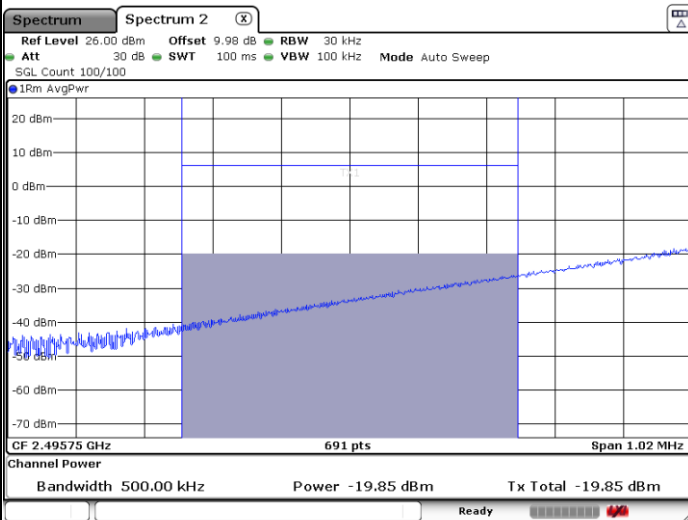
Highest Band Edge / 1RBmax



Date: 20.FEB.2022 02:38:32



Date: 20.FEB.2022 03:36:16

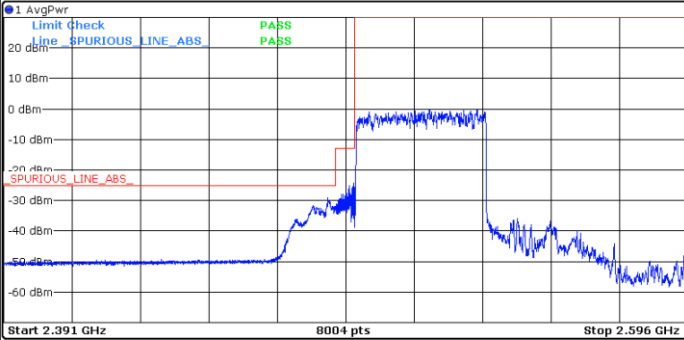


Date: 20.FEB.2022 03:19:17



Lowest Band Edge / Full RB

Spectrum

Ref Level 29.98 dBm Offset 9.98 dB Mode Auto Sweep
SGL Count 100/100

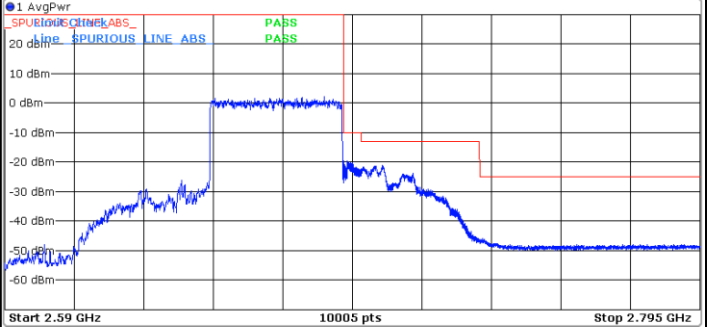
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.391 GHz	2.490 GHz	1.000 MHz	2.48814 GHz	-29.07 dBm	-4.07 dB
2.490 GHz	2.495 GHz	1.000 MHz	2.49463 GHz	-25.15 dBm	-12.15 dB
2.495 GHz	2.496 GHz	500.000 kHz	2.49595 GHz	-24.41 dBm	-11.41 dB
2.496 GHz	2.596 GHz	100.000 kHz	2.52886 GHz	-0.11 dBm	-30.11 dB

Date: 1 MAR 2022 10:10:09

Highest Band Edge / Full RB

Spectrum

Ref Level 29.98 dBm Offset 9.98 dB Mode Auto Sweep
SGL Count 100/100

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.590 GHz	2.690 GHz	100.000 kHz	2.68413 GHz	2.14 dBm	-27.86 dB
2.690 GHz	2.691 GHz	500.000 kHz	2.69001 GHz	-19.70 dBm	-9.70 dB
2.691 GHz	2.695 GHz	1.000 MHz	2.69105 GHz	-19.68 dBm	-9.68 dB
2.695 GHz	2.730 GHz	1.000 MHz	2.70143 GHz	-21.14 dBm	-8.14 dB
2.730 GHz	2.795 GHz	1.000 MHz	2.73099 GHz	-45.98 dBm	-20.98 dB

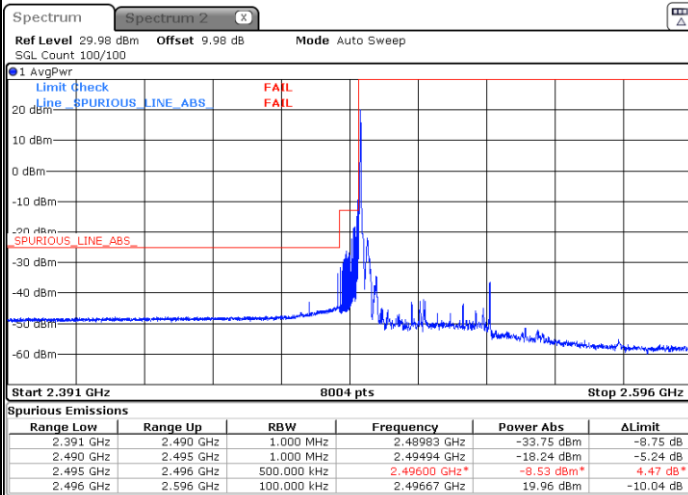
Date: 20.FEB.2022 03:27:38



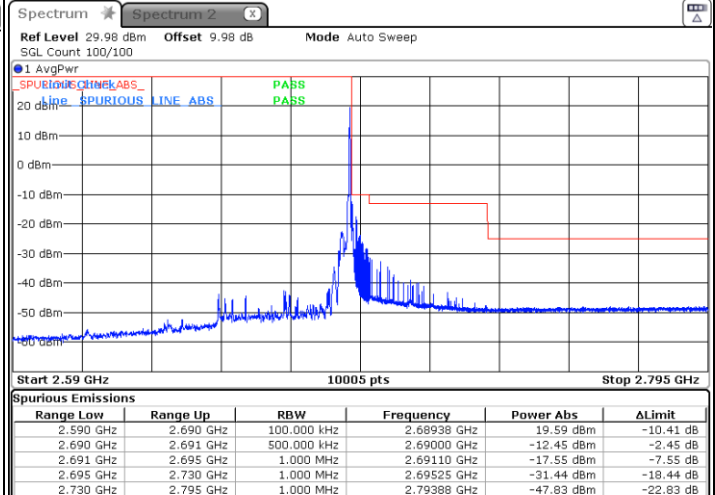
FR1 n41 / 40MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

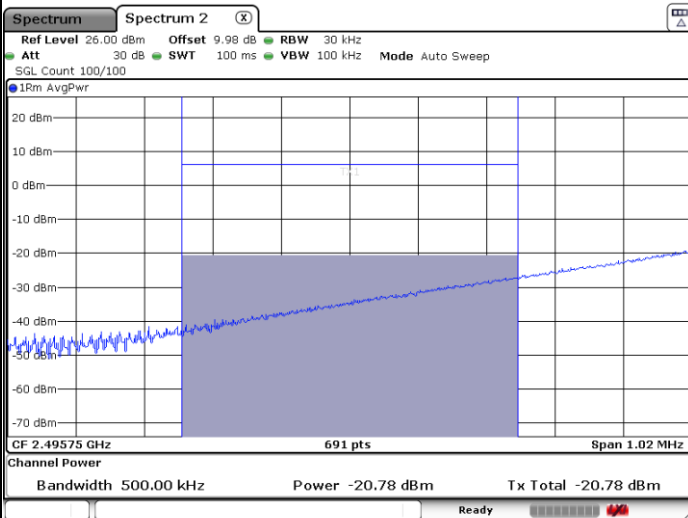
Highest Band Edge / 1RBmax



Date: 20.FEB.2022 02:38:11



Date: 20.FEB.2022 03:34:51

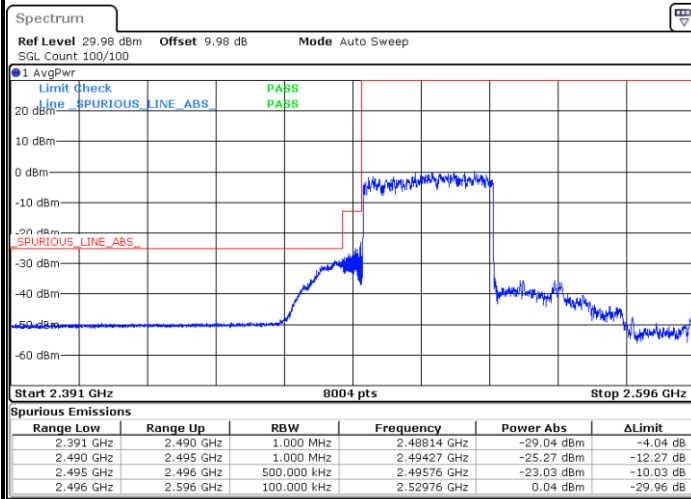


Date: 20.FEB.2022 03:19:52

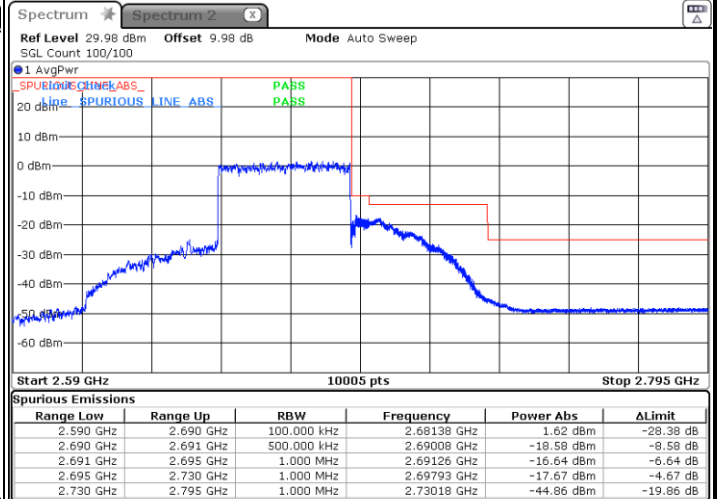


Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 MAR 2022 10:09:48



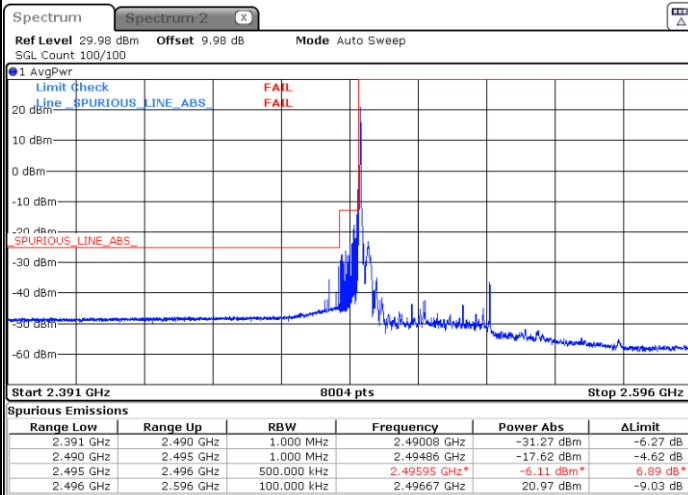
Date: 20.FEB.2022 03:27:00



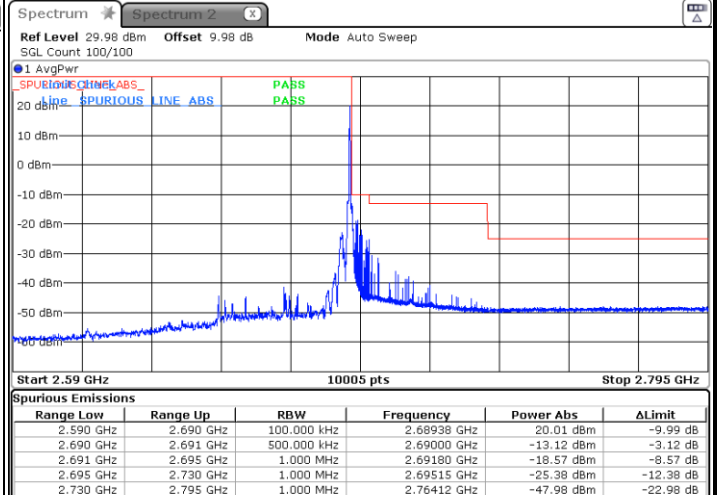
FR1 n41 / 40MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

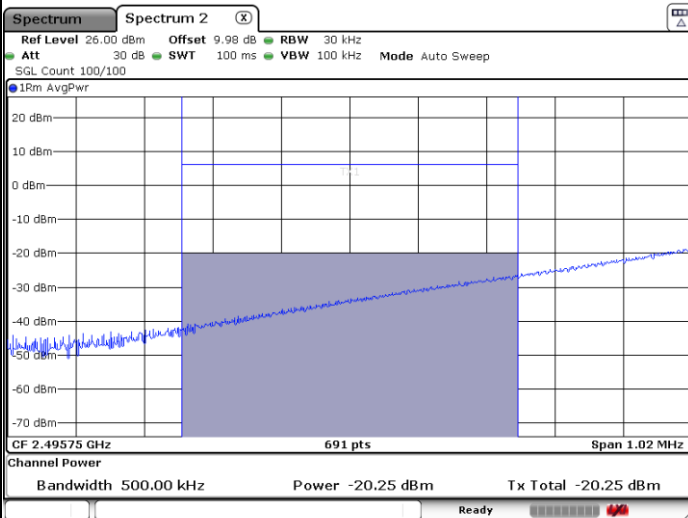
Highest Band Edge / 1RBmax



Date: 20.FEB.2022 02:37:47



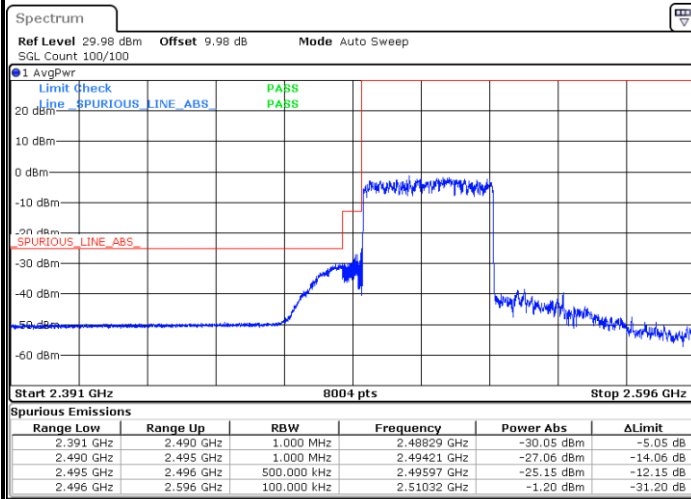
Date: 20.FEB.2022 03:33:26



Date: 20.FEB.2022 03:20:20

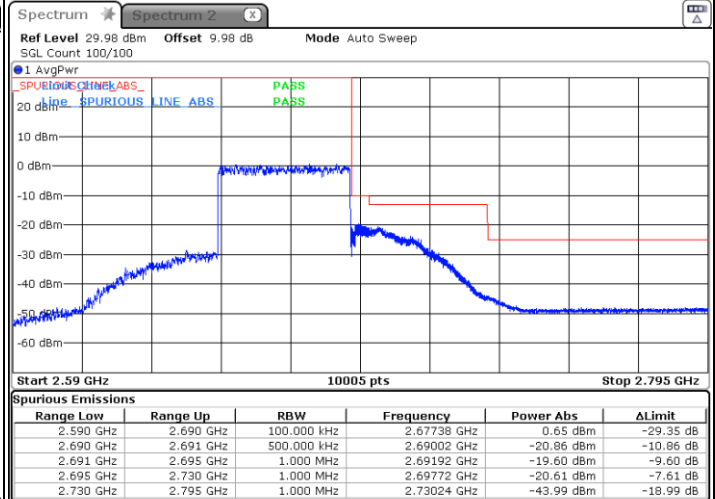


Lowest Band Edge / Full RB



Date: 1 MAR 2022 10:09:29

Highest Band Edge / Full RB

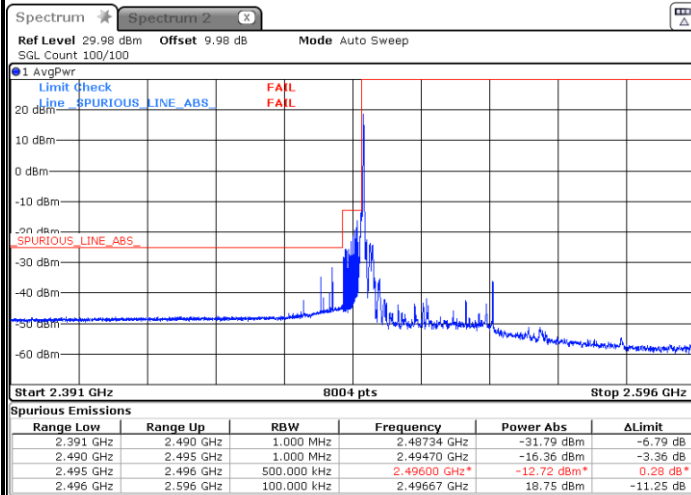


Date: 20.FEB.2022 03:28:02



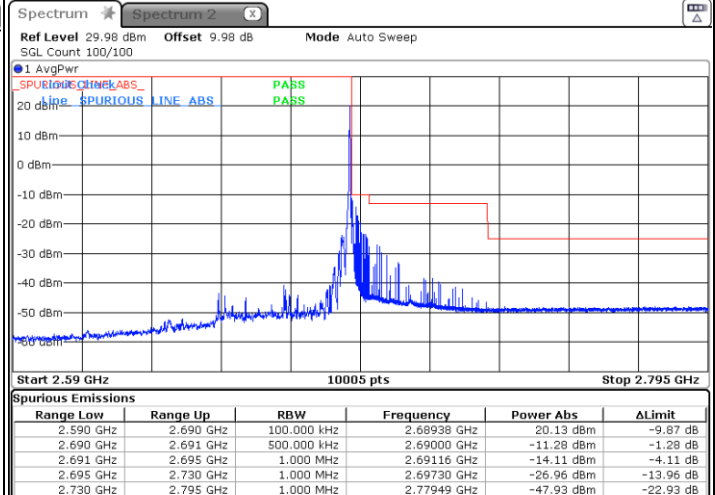
FR1 n41 / 40MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0

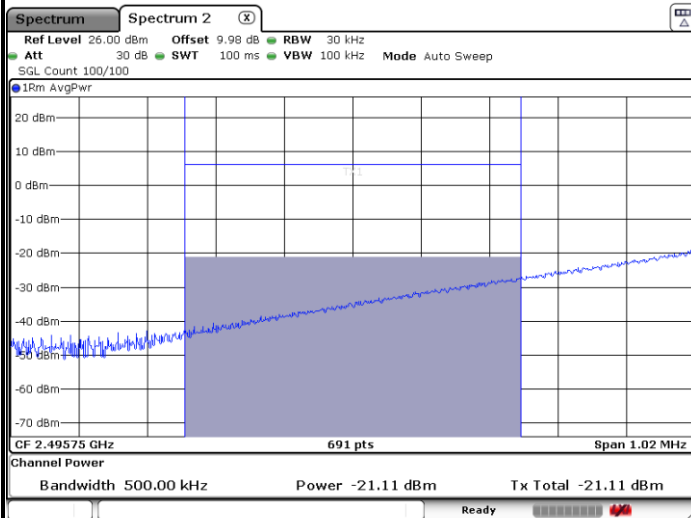


Date: 20.FEB.2022 02:37:12

Highest Band Edge / 1RB24



Date: 20.FEB.2022 03:32:03

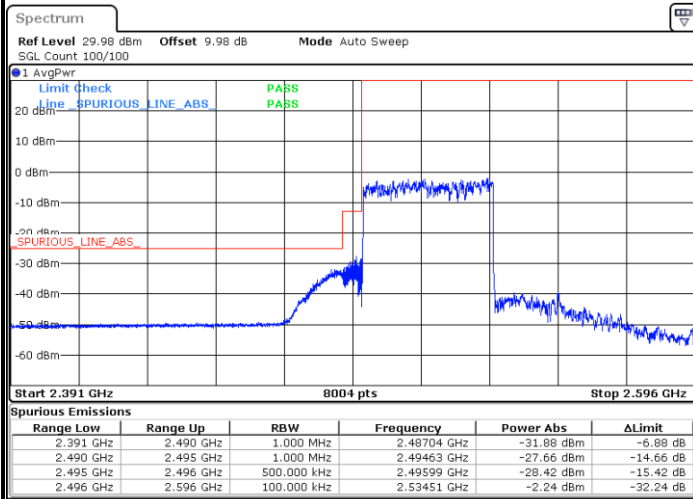


Date: 20.FEB.2022 03:20:48

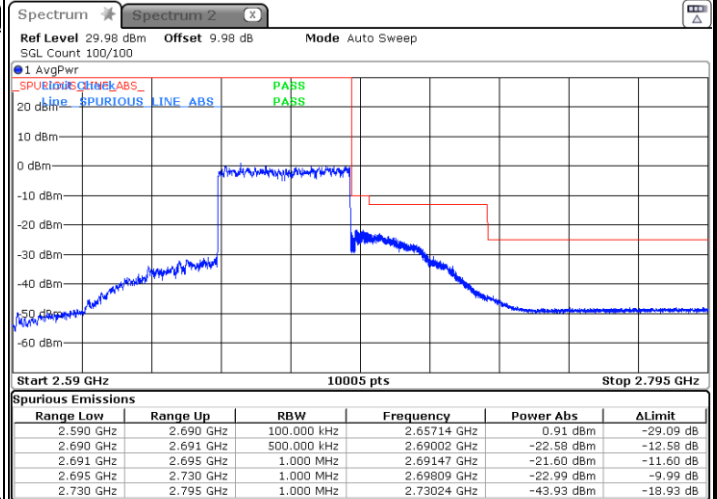


Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 MAR 2022 10:09:01

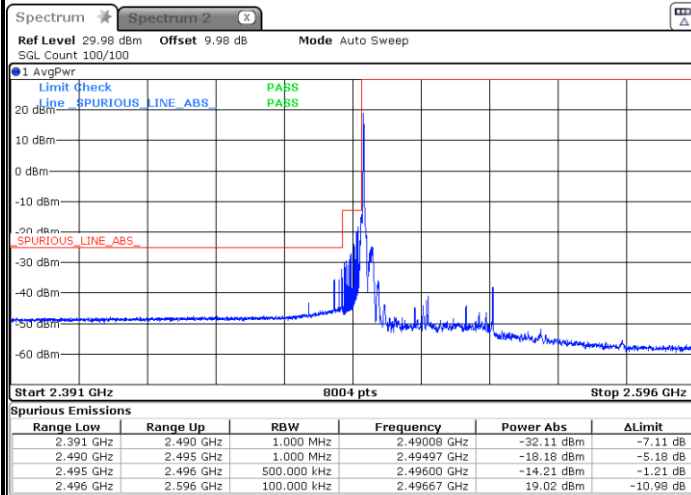


Date: 20.FEB.2022 03:28:26

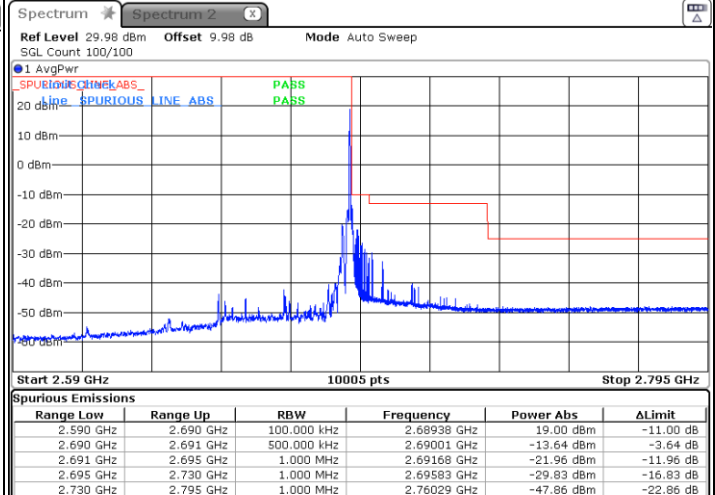


FR1 n41 / 40MHz / DFT-S OFDM / 256Q

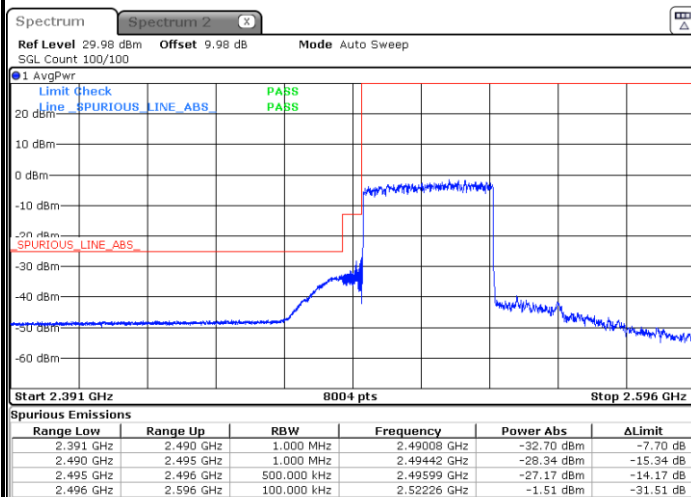
Lowest Band Edge / 1RB0



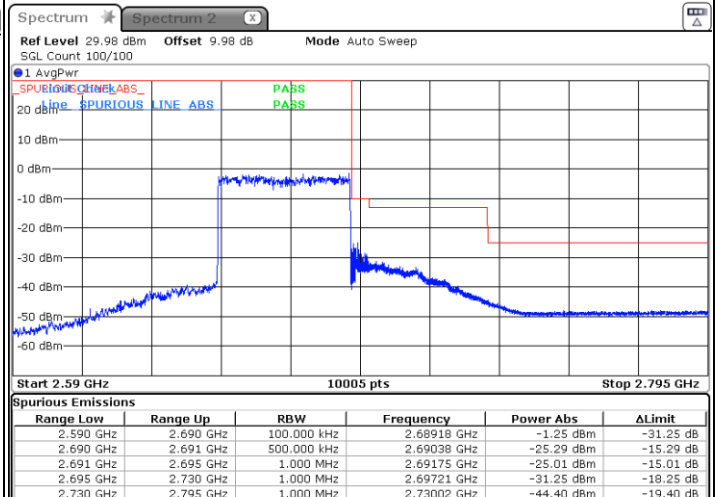
Highest Band Edge / 1RB24



Lowest Band Edge / Full RB



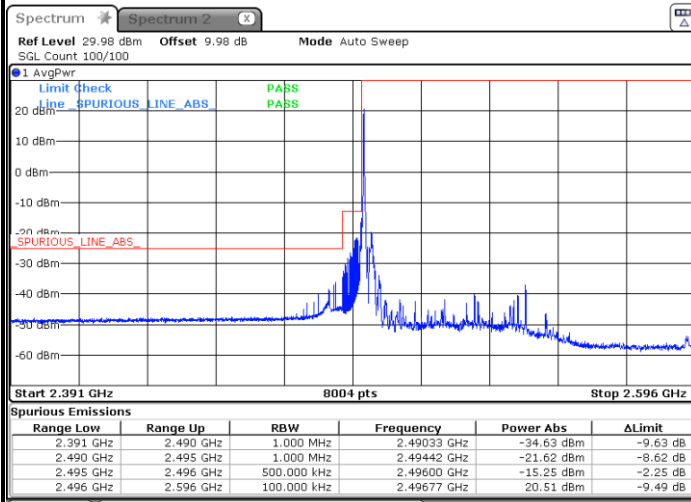
Highest Band Edge / Full RB



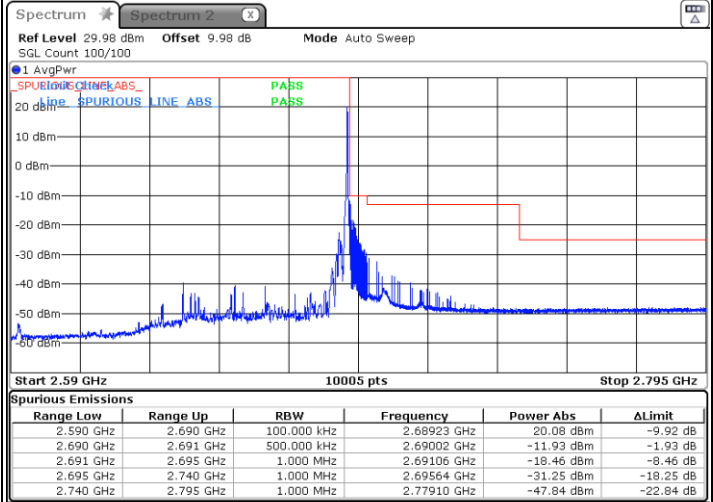


FR1 n41 / 50MHz / DFT-S OFDM / PI/2 BPSK

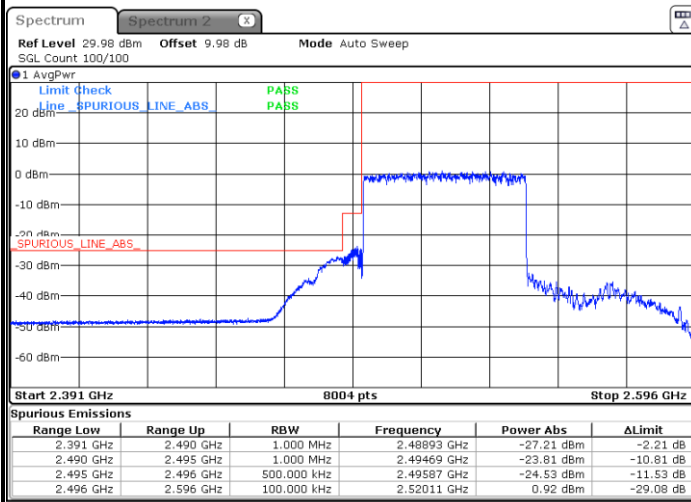
Lowest Band Edge / 1RB0



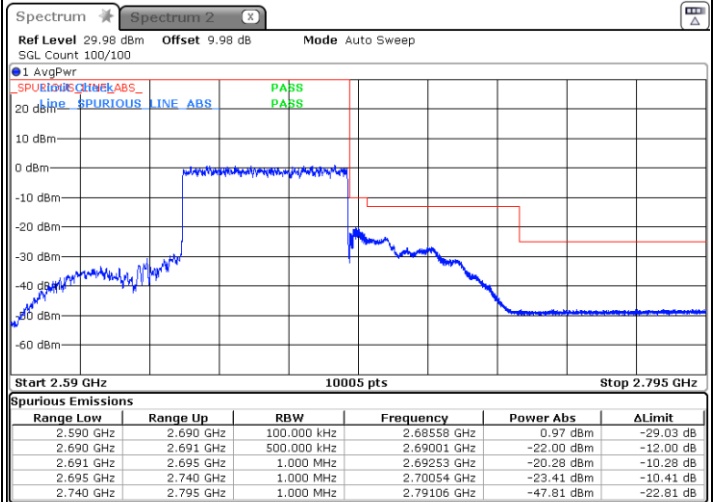
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



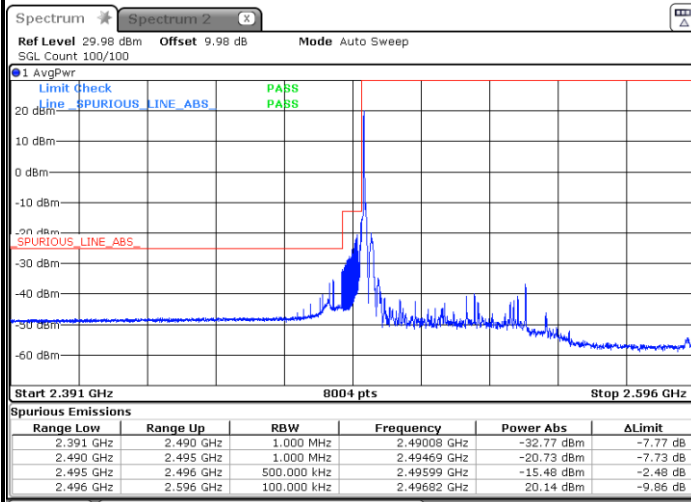
Highest Band Edge / Full RB



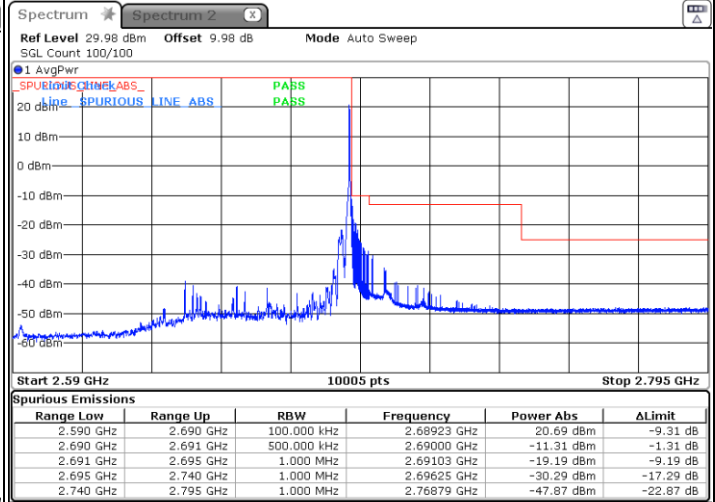


FR1 n41 / 50MHz / DFT-S OFDM / QPSK

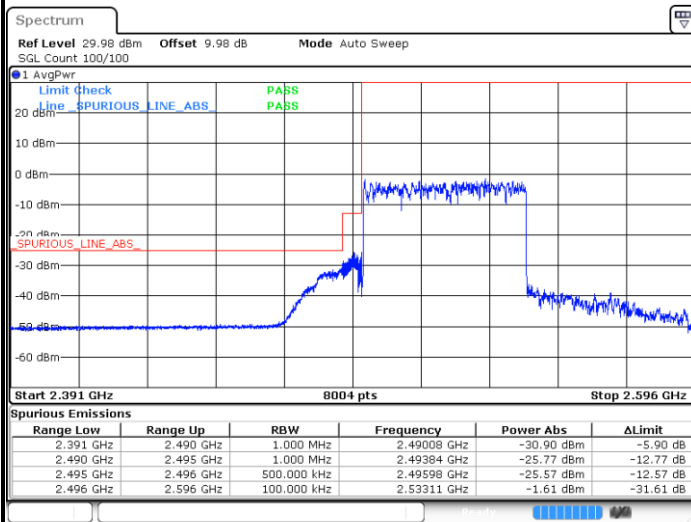
Lowest Band Edge / 1RB0



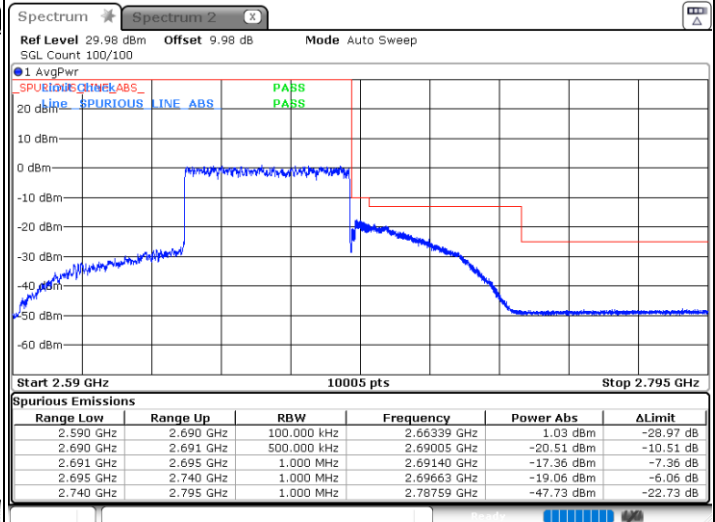
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



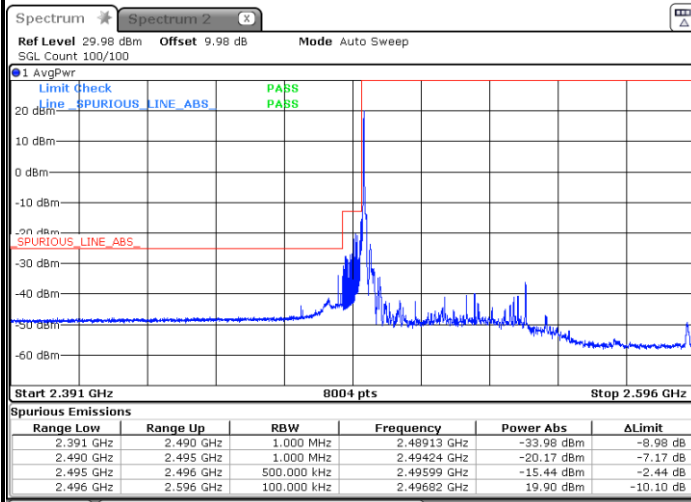
Highest Band Edge / Full RB



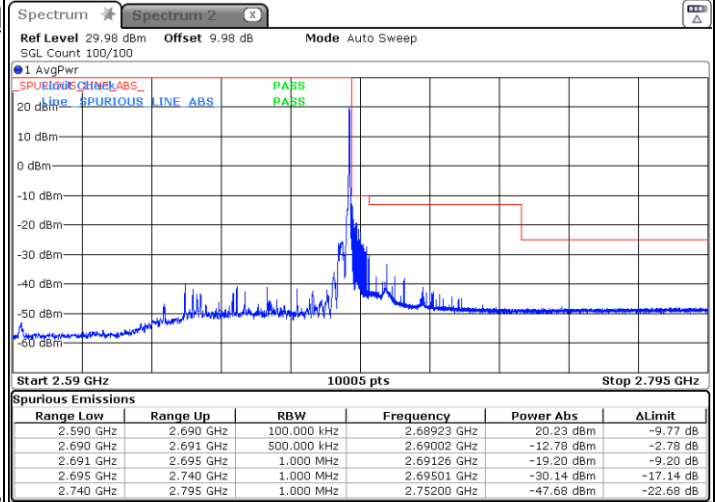


FR1 n41 / 50MHz / DFT-S OFDM / 16Q

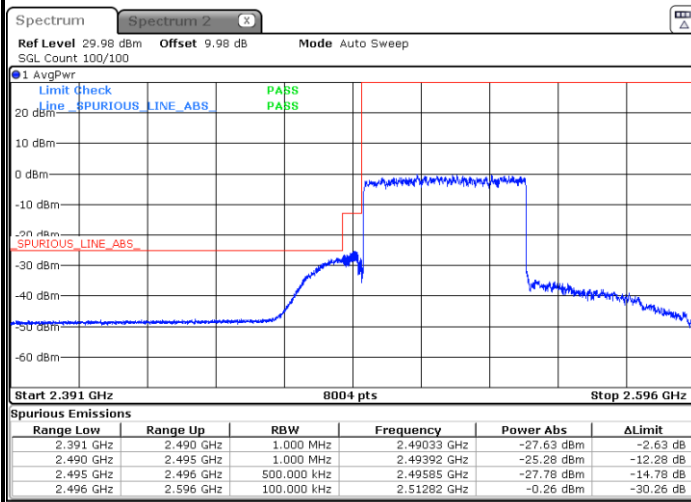
Lowest Band Edge / 1RB0



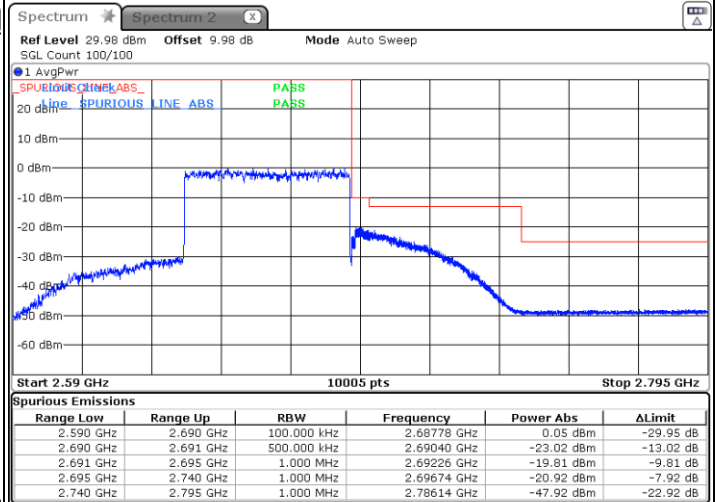
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



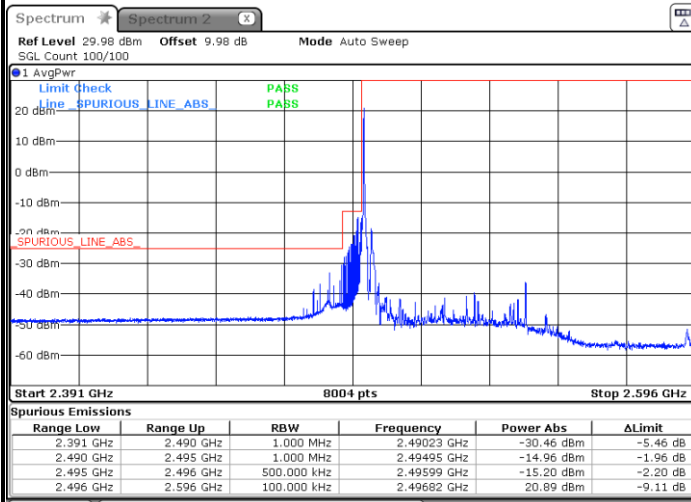
Highest Band Edge / Full RB



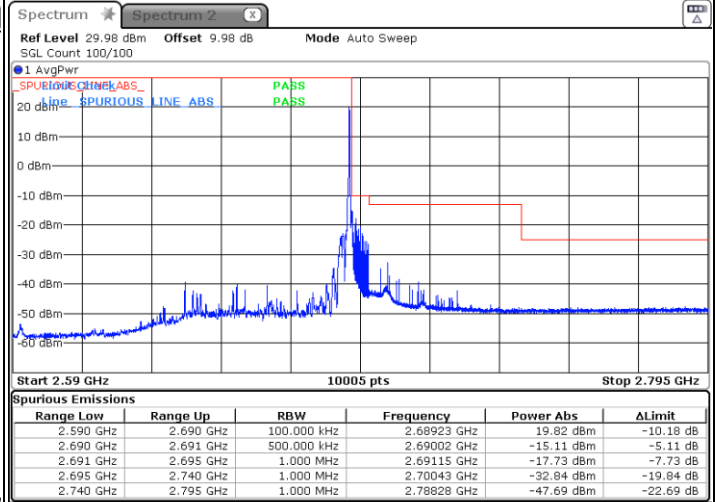


FR1 n41 / 50MHz / DFT-S OFDM / 64Q

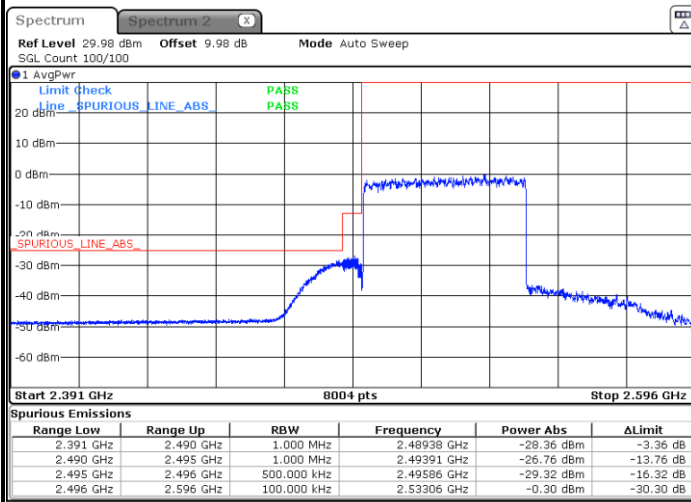
Lowest Band Edge / 1RB0



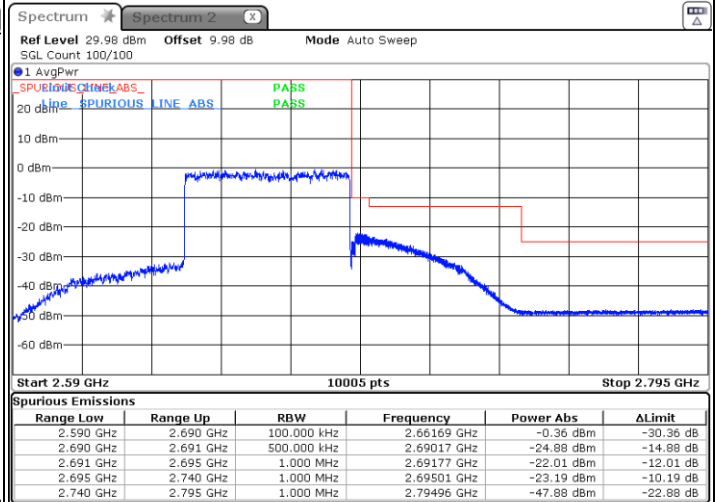
Highest Band Edge / 1RB24



Lowest Band Edge / Full RB



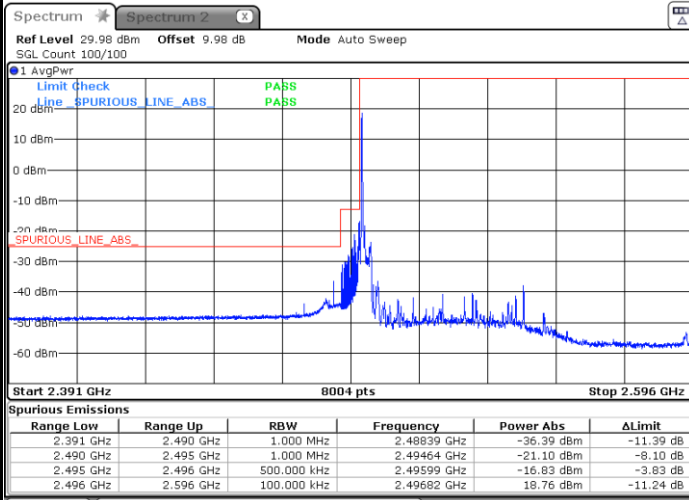
Highest Band Edge / Full RB





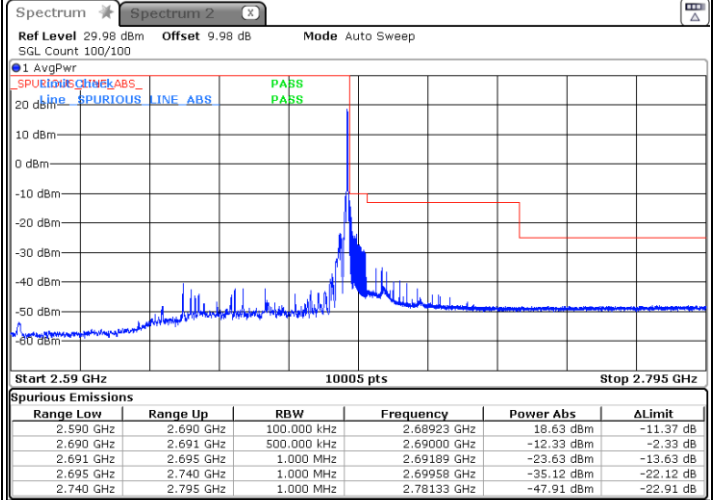
FR1 n41 / 50MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0



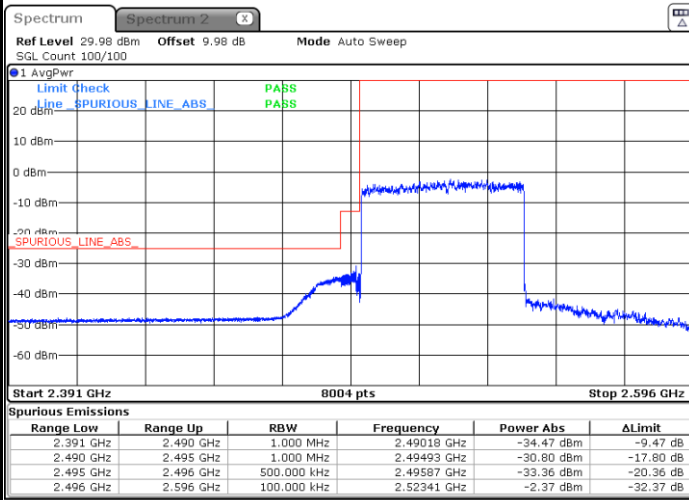
Date: 20.FEB.2022 03:45:47

Highest Band Edge / 1RB24



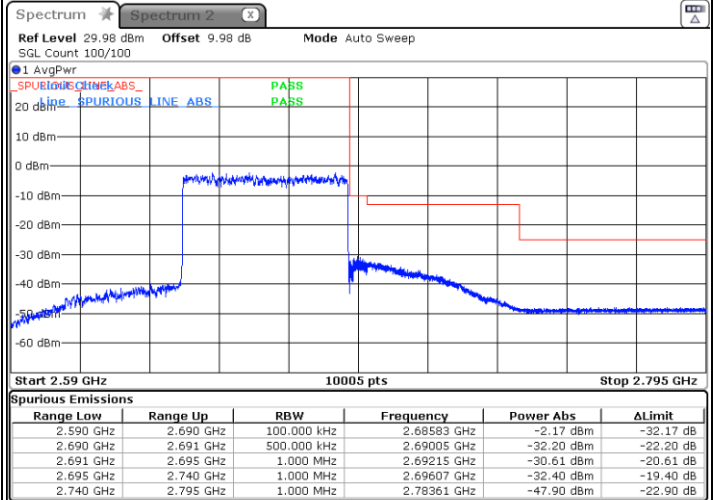
Date: 20.FEB.2022 03:54:59

Lowest Band Edge / Full RB



Date: 20.FEB.2022 03:44:24

Highest Band Edge / Full RB



Date: 20.FEB.2022 03:54:19

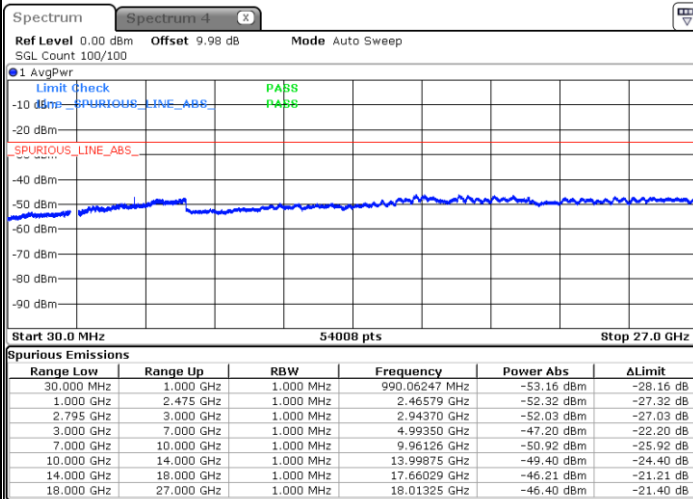


Conducted Spurious Emission

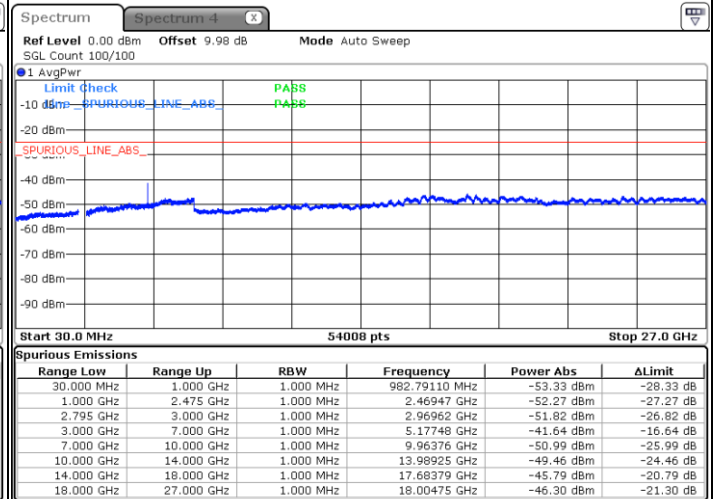
FR1 n41 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

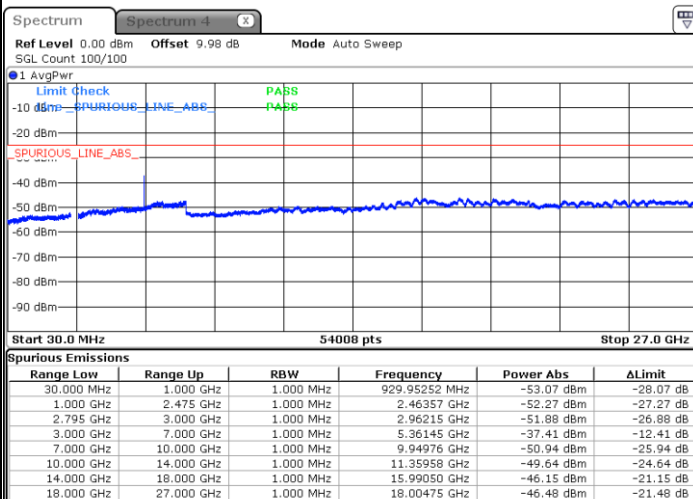


Date: 19.FEB.2022 21:51:33



Date: 19.FEB.2022 21:50:10

Highest Channel / 1RB1

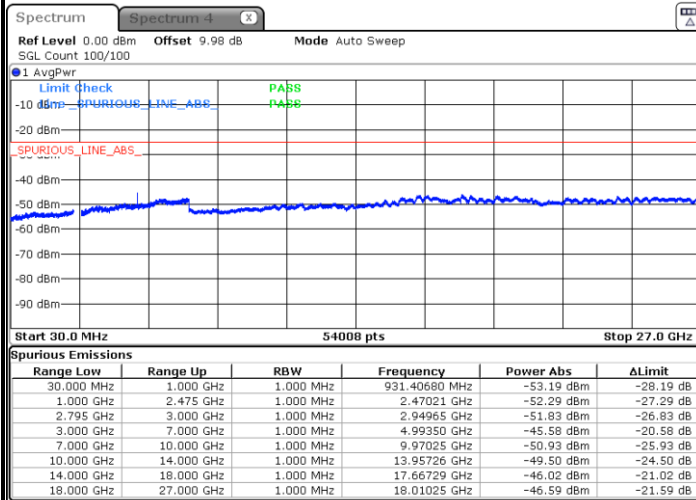


Date: 19.FEB.2022 21:48:59



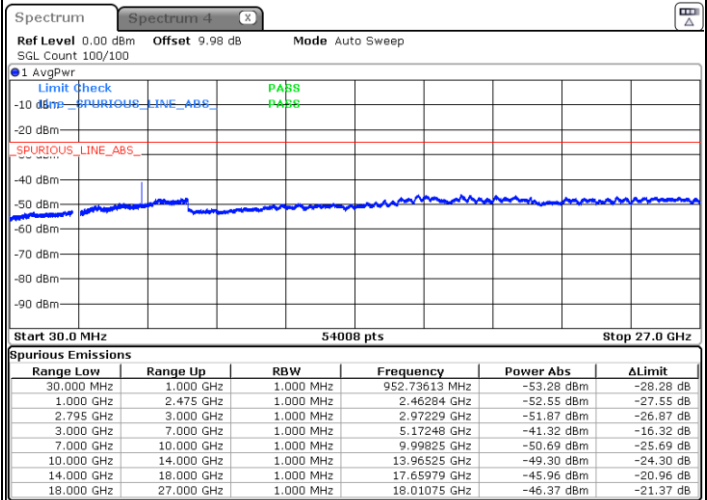
FR1 n41 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



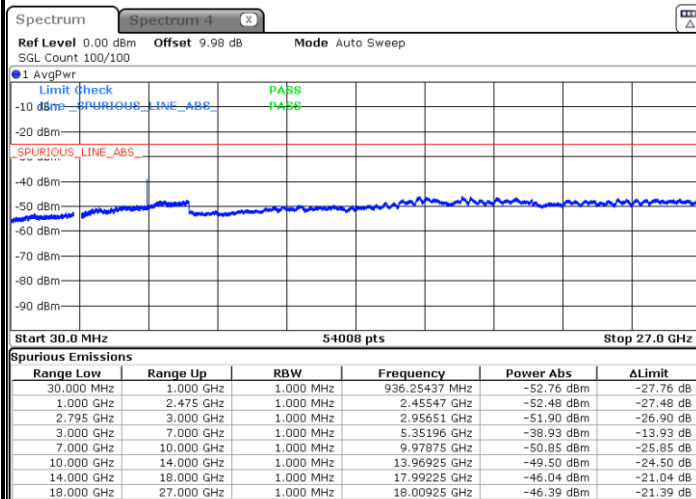
Date: 19.FEB.2022 22:31:12

Middle Channel / 1RB1



Date: 19.FEB.2022 22:32:13

Highest Channel / 1RB1

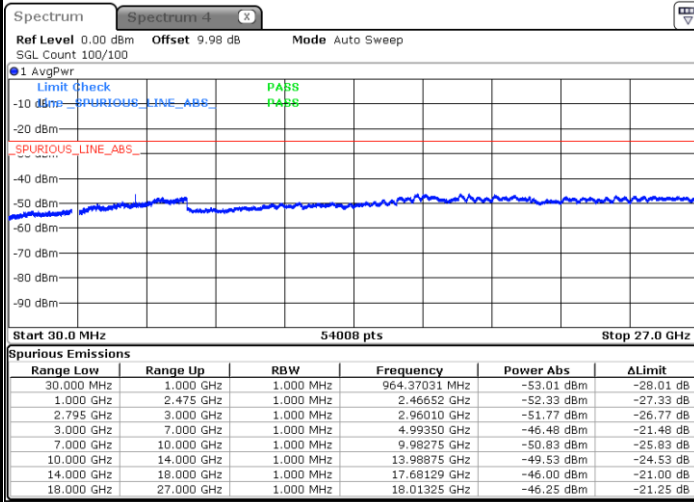


Date: 19.FEB.2022 22:33:16



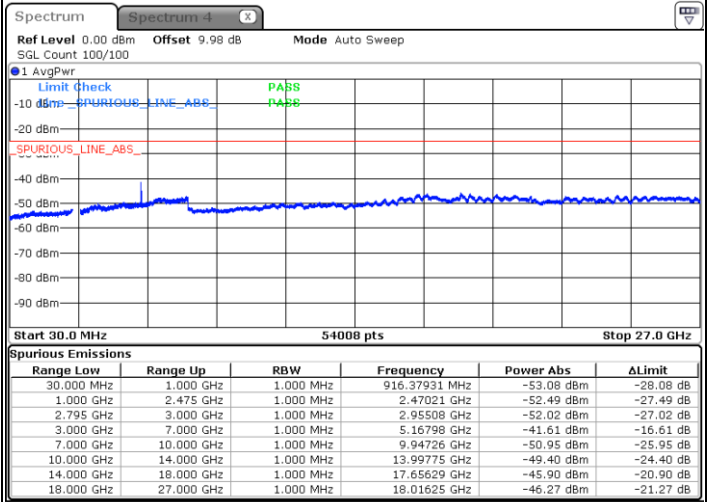
FR1 n41 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



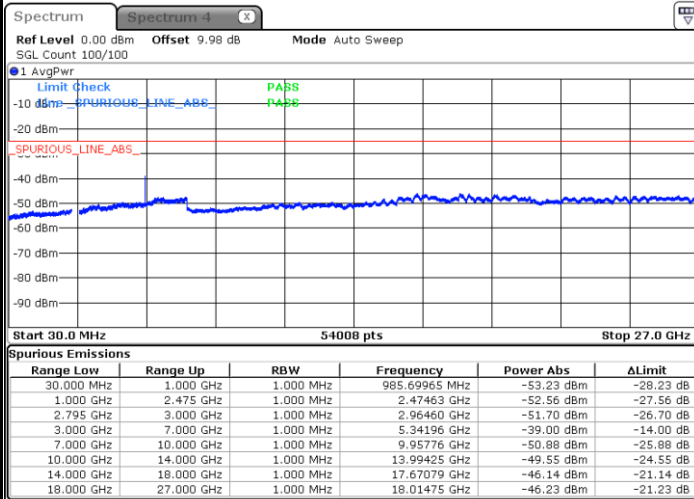
Date: 19.FEB.2022 23:10:53

Middle Channel / 1RB1



Date: 19.FEB.2022 23:19:03

Highest Channel / 1RB1

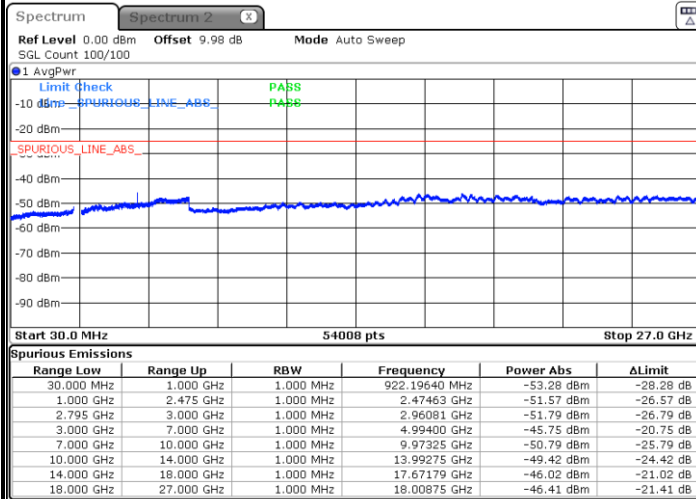


Date: 19.FEB.2022 23:21:23



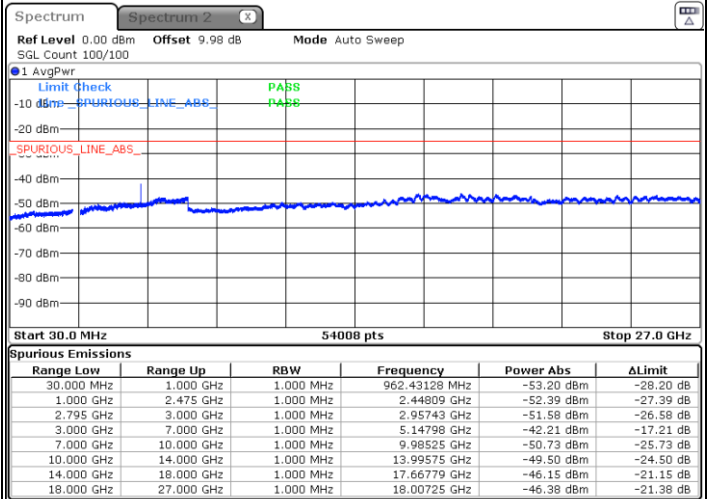
FR1 n41 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



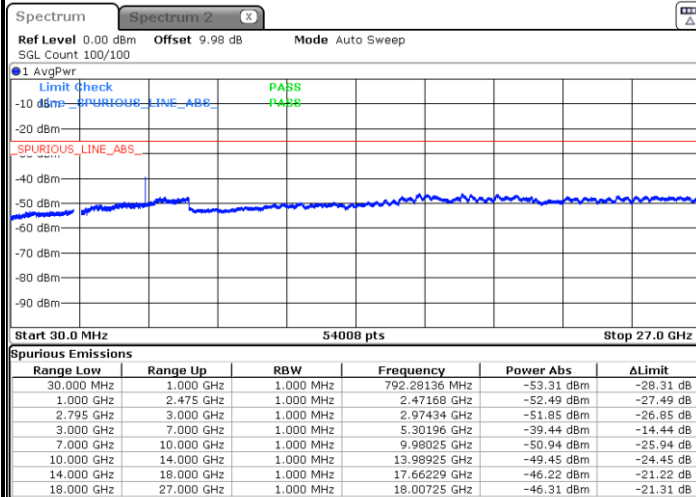
Date: 20.FEB.2022 03:22:37

Middle Channel / 1RB1



Date: 20.FEB.2022 03:24:34

Highest Channel / 1RB1

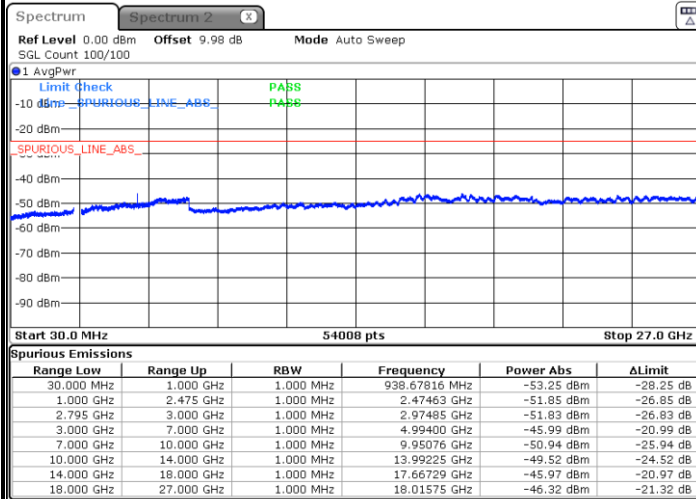


Date: 20.FEB.2022 03:25:38



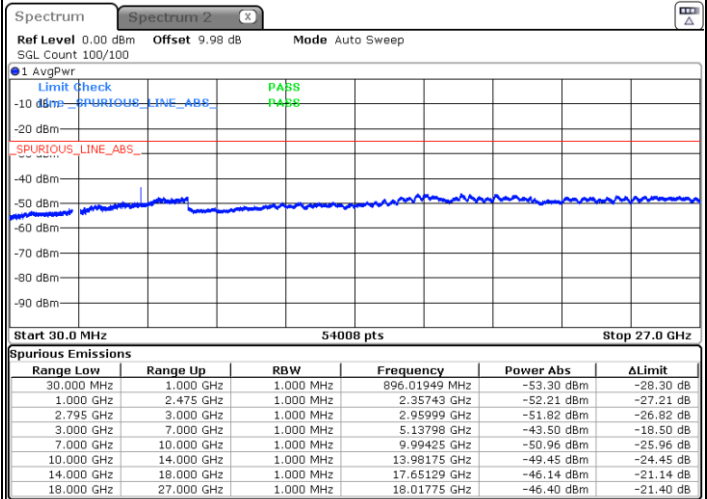
FR1 n41 / 50MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



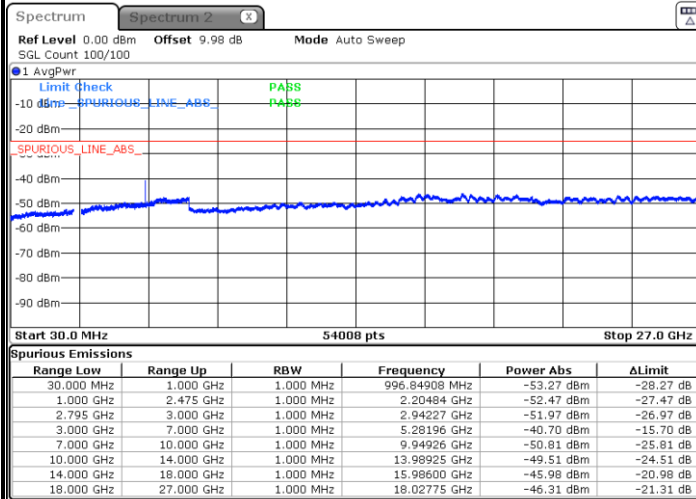
Date: 20.FEB.2022 03:49:55

Middle Channel / 1RB1



Date: 20.FEB.2022 03:51:07

Highest Channel / 1RB1



Date: 20.FEB.2022 03:52:11

Frequency Stability

Test Conditions		FR1 n41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0035	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0008	
20	Battery End Point	0.0031	

Note:

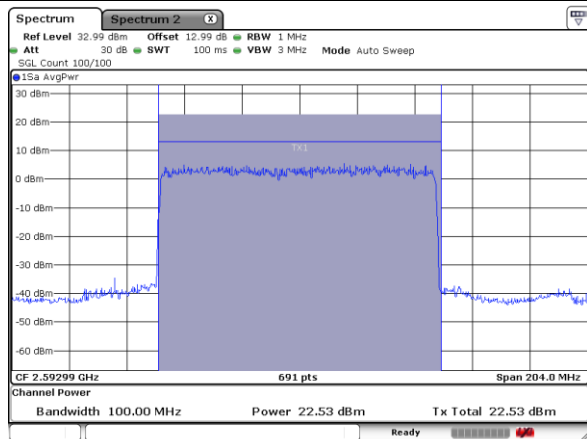
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

**FR1 n41****Peak-to-Average Ratio**

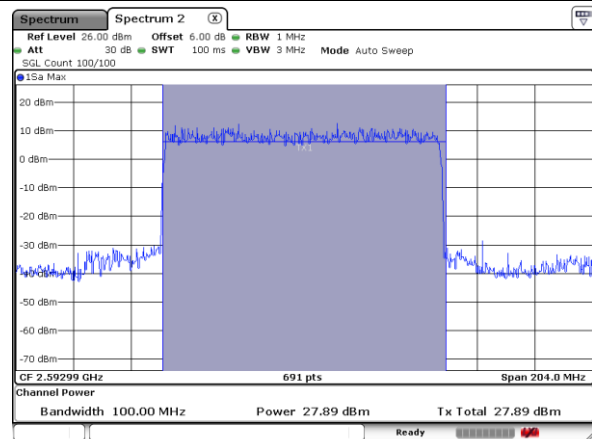
Mode	FR1 n41 / 100MHz / DFT-S OFDM				
Mod.	100M				Limit: 13dB
RB Size	BPSK	QPSK	16QAM	64QAM	Result
Middle CH	5.36	5.29	5.38	5.28	PASS
RB Size	256QAM				
Middle CH	5.61				



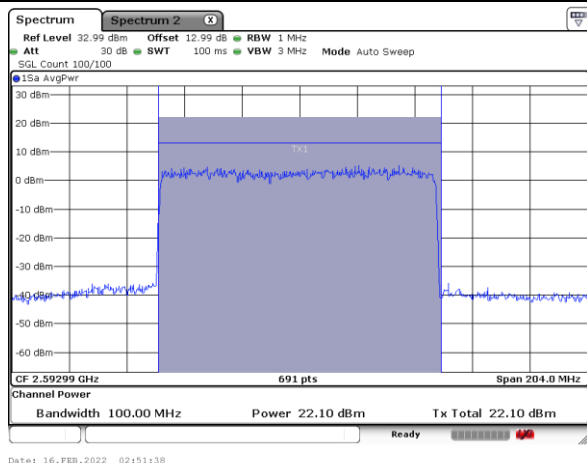
BPSK-A



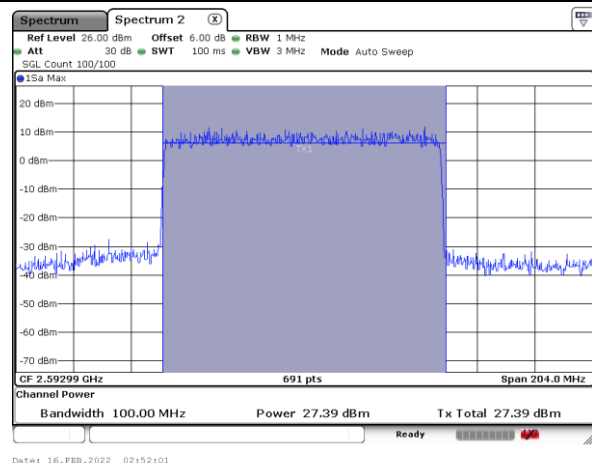
BPSK-P



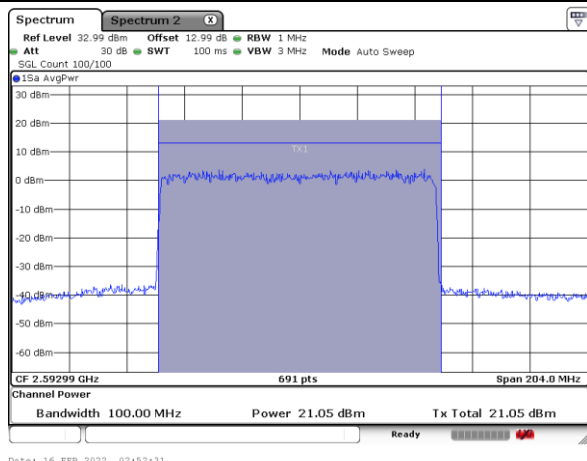
QPSK-A



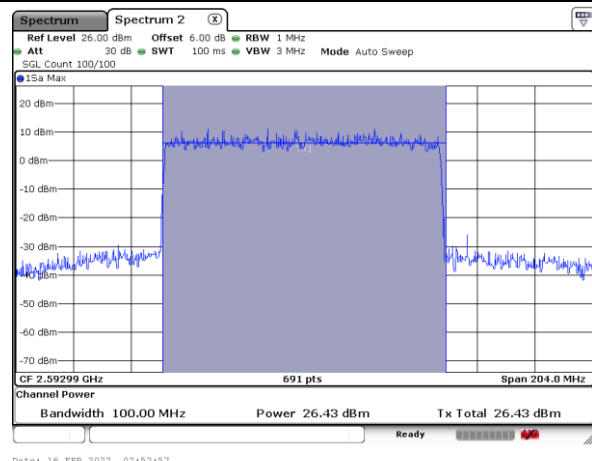
QPSK-P



16QAM-A

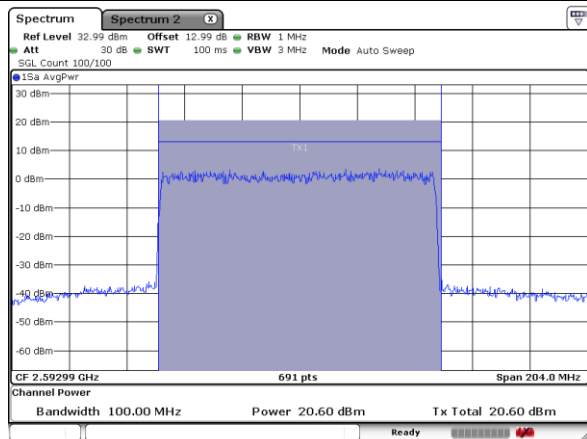


16QAM-P



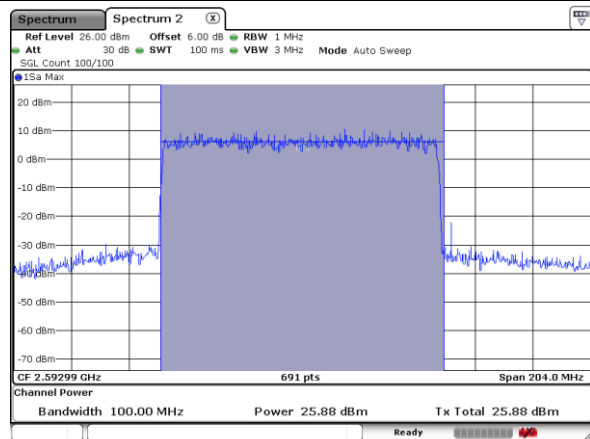


64QAM-A



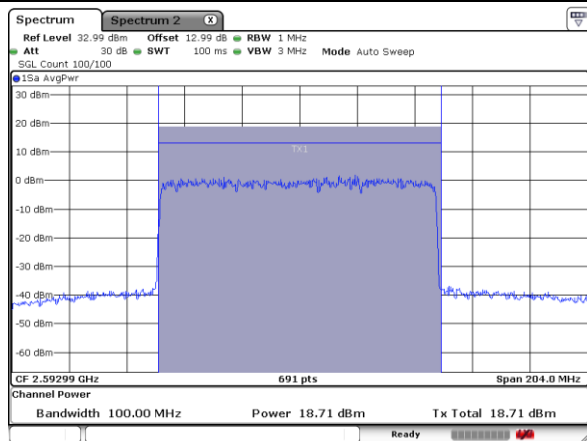
Date: 16.FEB.2022 02:53:23

64QAM-P



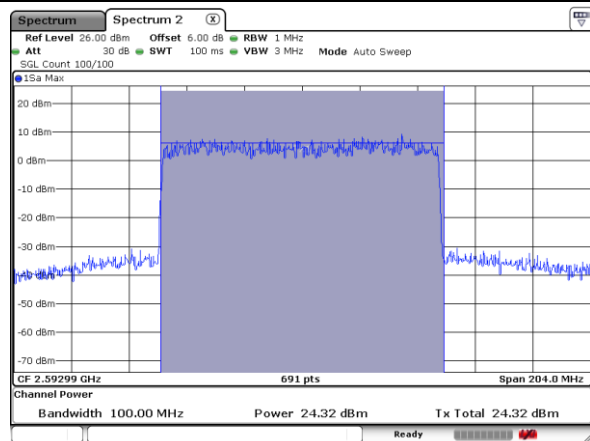
Date: 16.FEB.2022 02:53:47

256QAM-A



Date: 16.FEB.2022 02:54:10

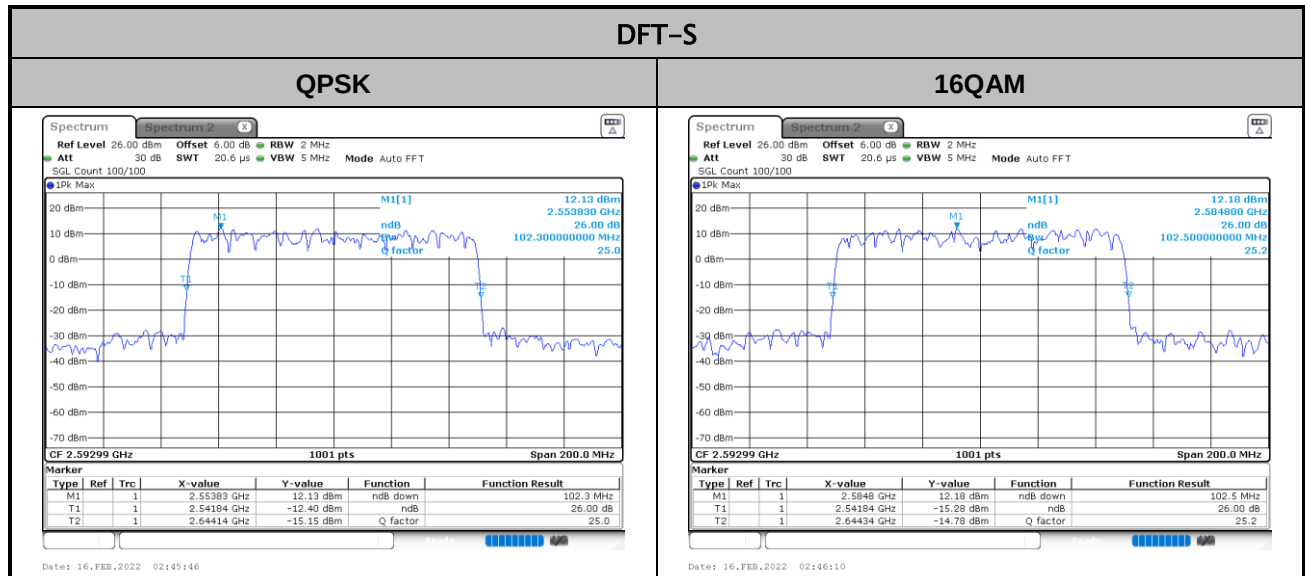
256QAM-P



Date: 16.FEB.2022 02:54:43

26dB Bandwidth

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



Occupied Bandwidth

Mode	FR1 n41 : OB BW(100MHz) / DFT-S OFDM	
BW	DFT-S	
Mod.	QPSK	16QAM
Middle CH	97.10	97.50

