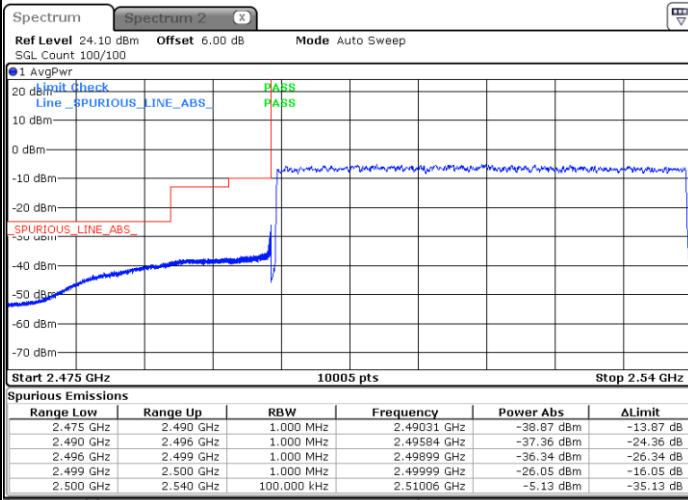




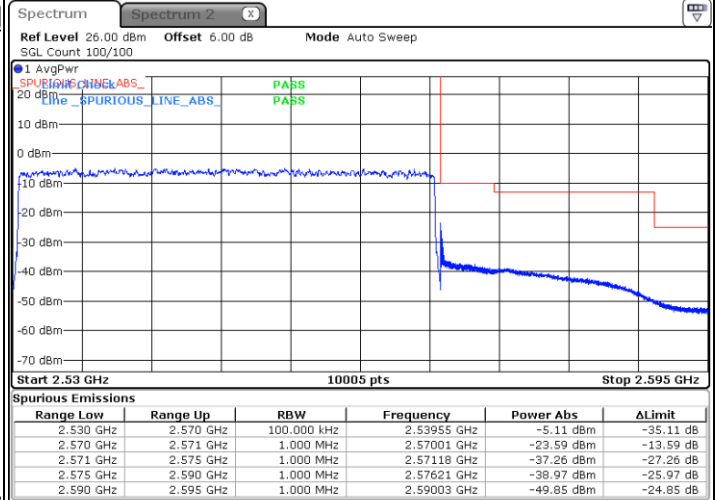
FR1 n7 / 40MHz / DFT-s-OFDM / PI/2 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17.MAR.2022 22:06:39



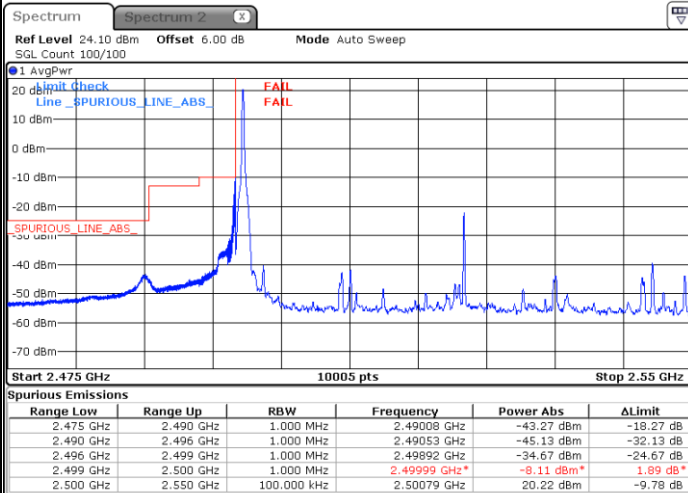
Date: 17.MAR.2022 22:32:40



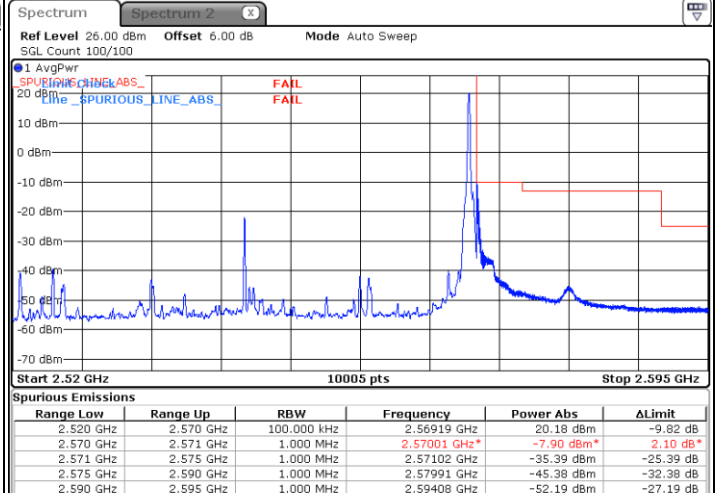
FR1 n7 / 50MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

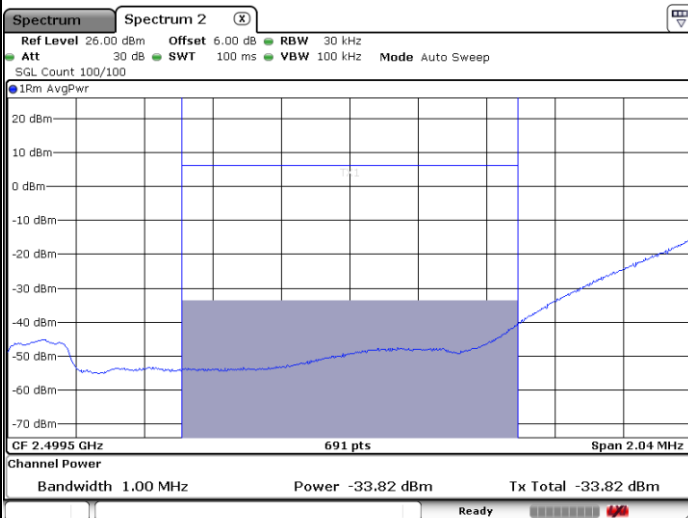
Highest Band Edge / 1RBMAX



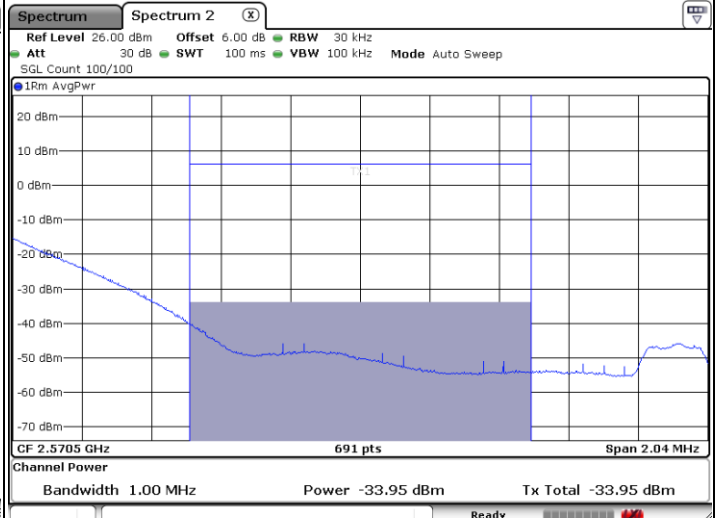
Date: 17.MAR.2022 22:57:34



Date: 17.MAR.2022 23:08:19



Date: 17.MAR.2022 22:51:34



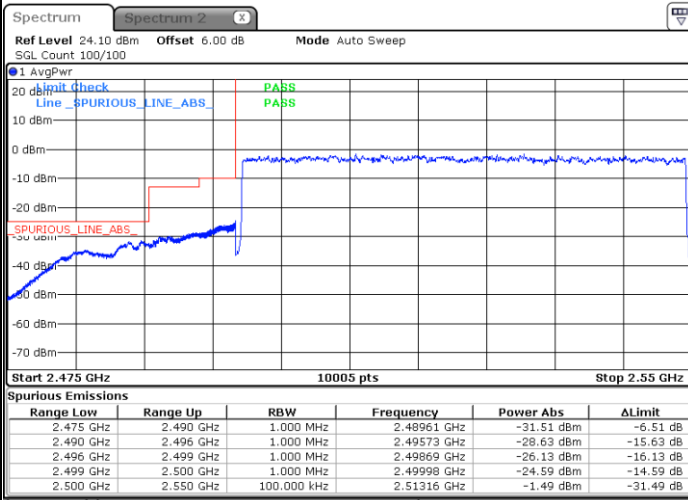
Date: 17.MAR.2022 22:50:12



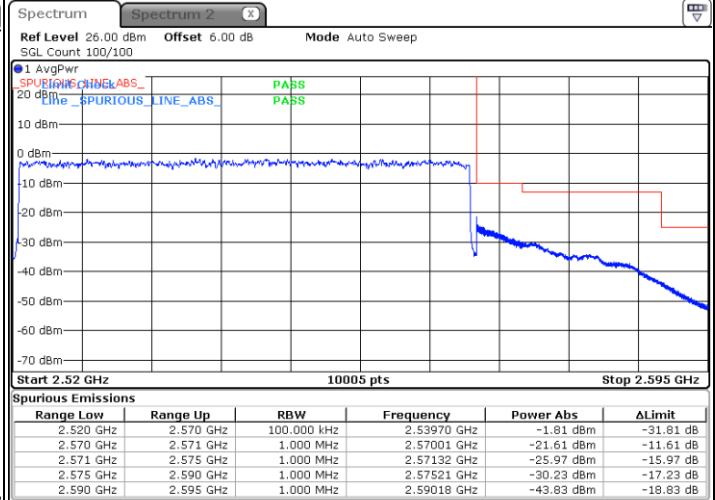
FR1 n7 /50MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17.MAR.2022 22:58:18



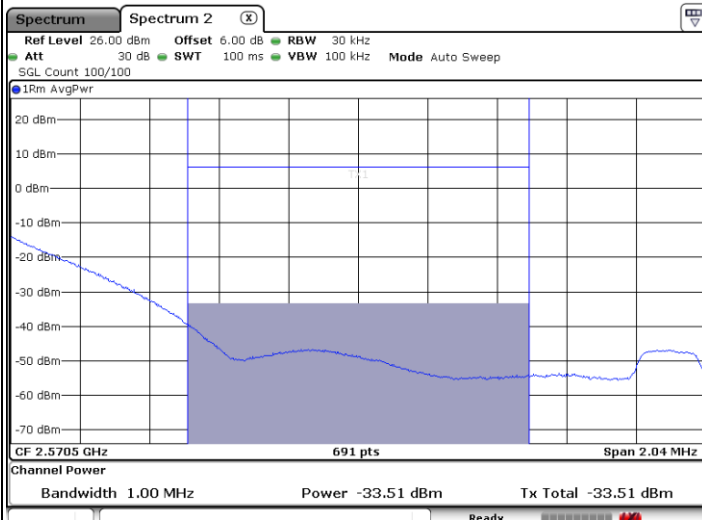
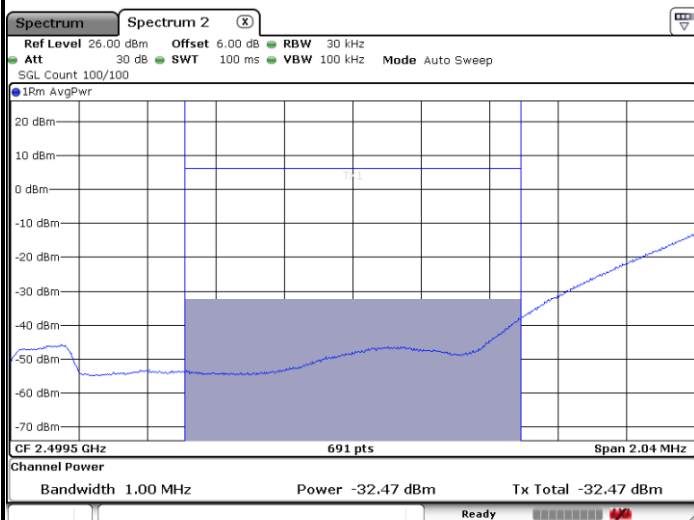
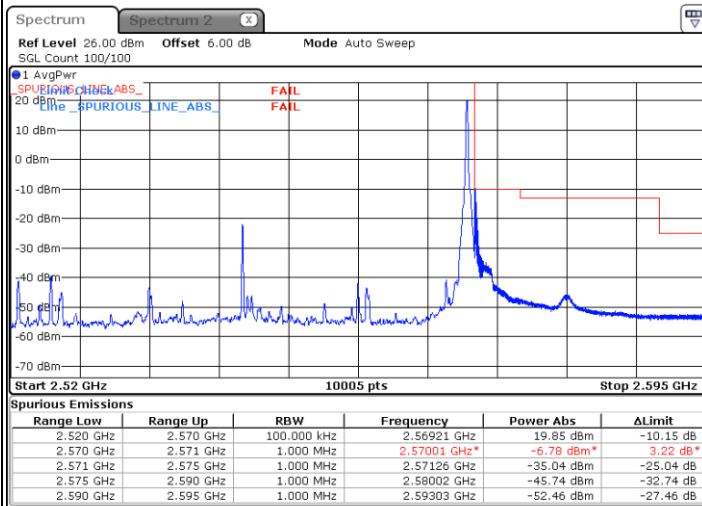
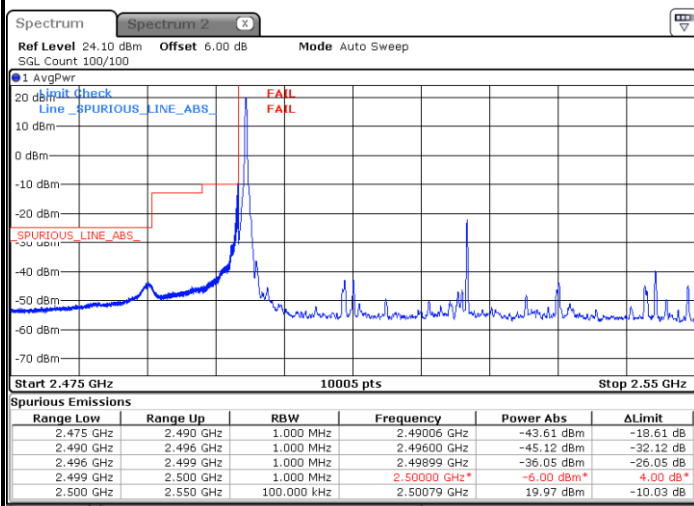
Date: 17.MAR.2022 23:05:12



FR1 n7 / 50MHz / DFT-s-OFDM / PI/2 QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

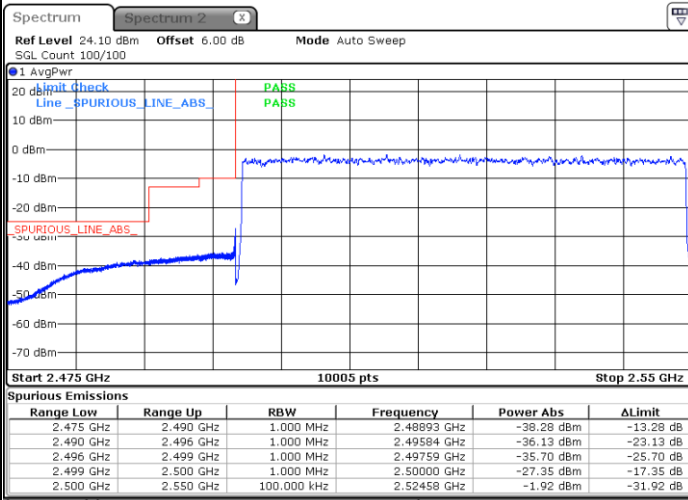




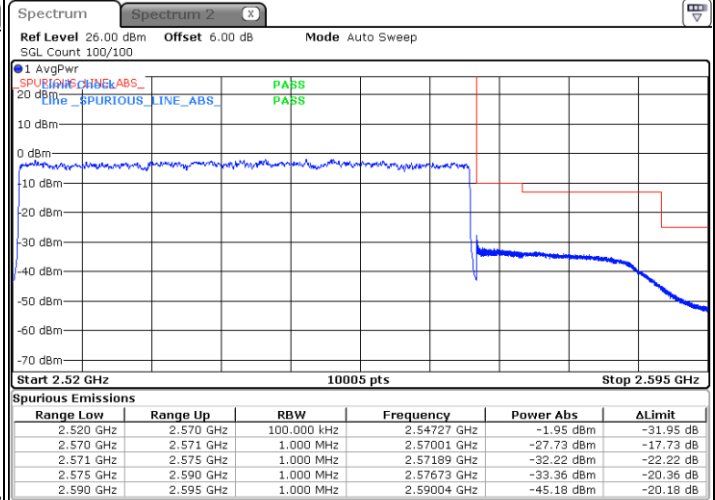
FR1 n7 / 50MHz / DFT-s-OFDM / PI/2 QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17.MAR.2022 22:58:41



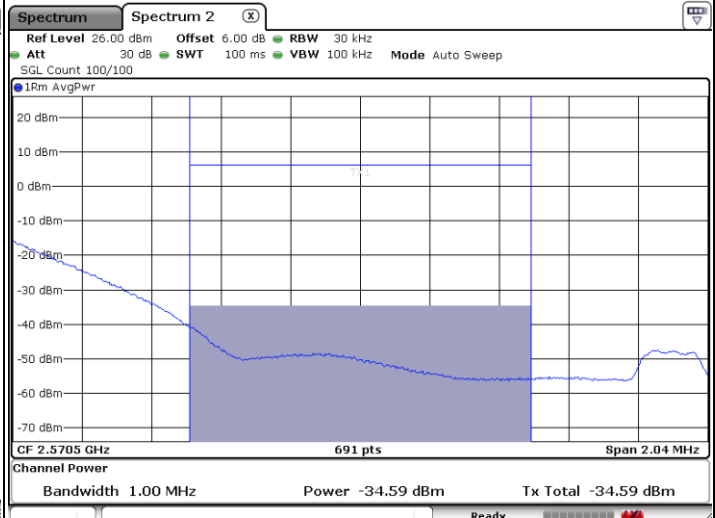
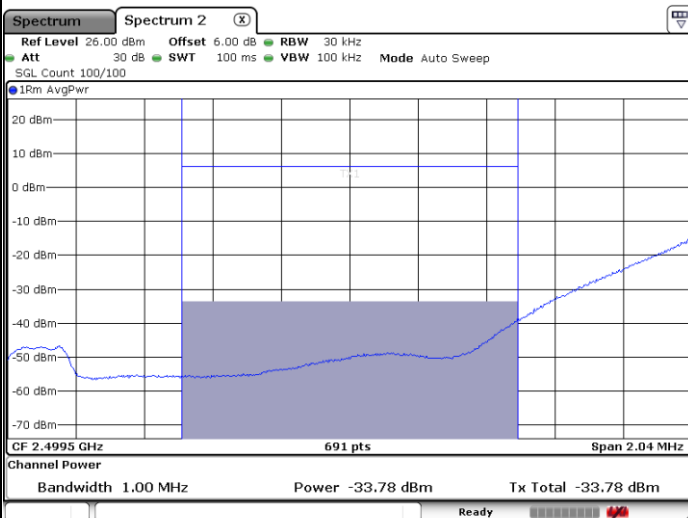
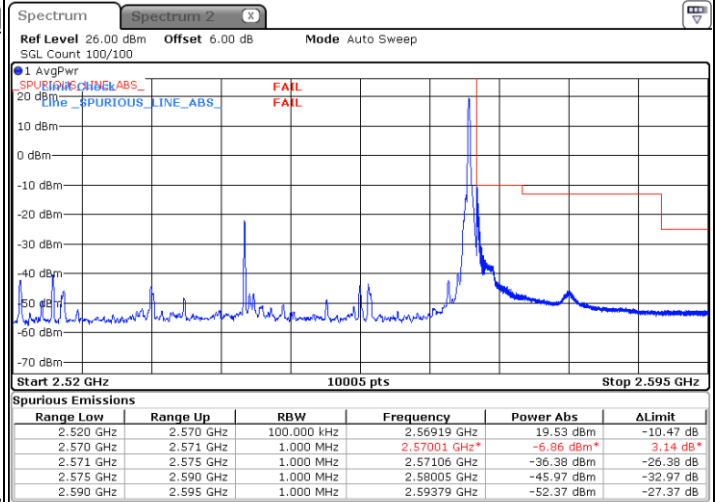
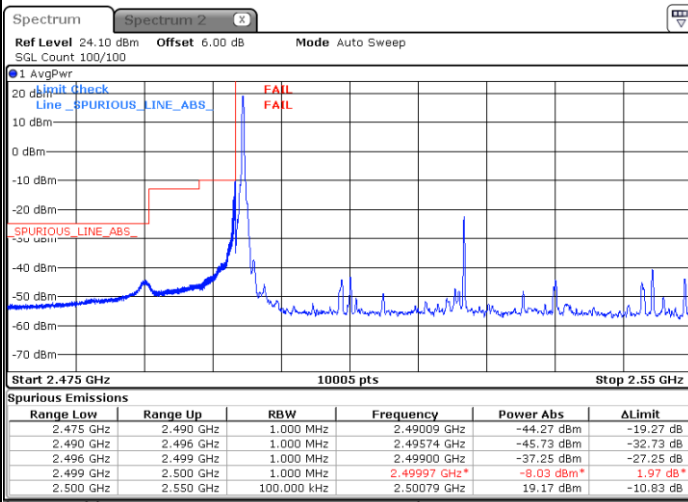
Date: 17.MAR.2022 23:05:36



FR1 n7 / 50MHz / DFT-s-OFDM / PI/2 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

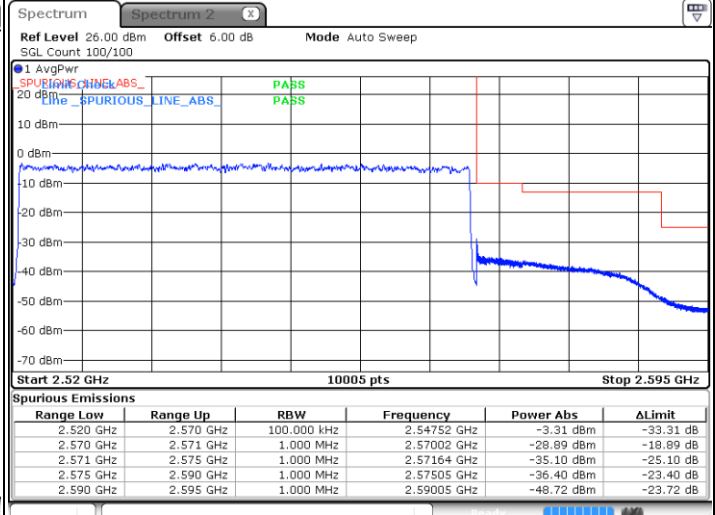
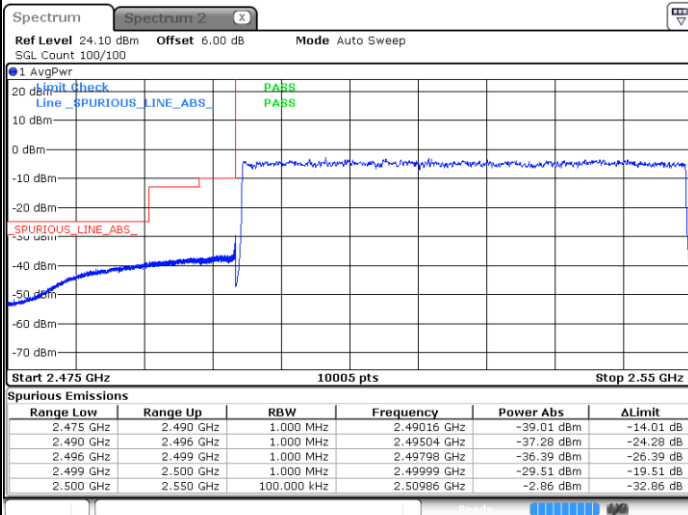




FR1 n7 /50MHz / DFT-s-OFDM / PI/2 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

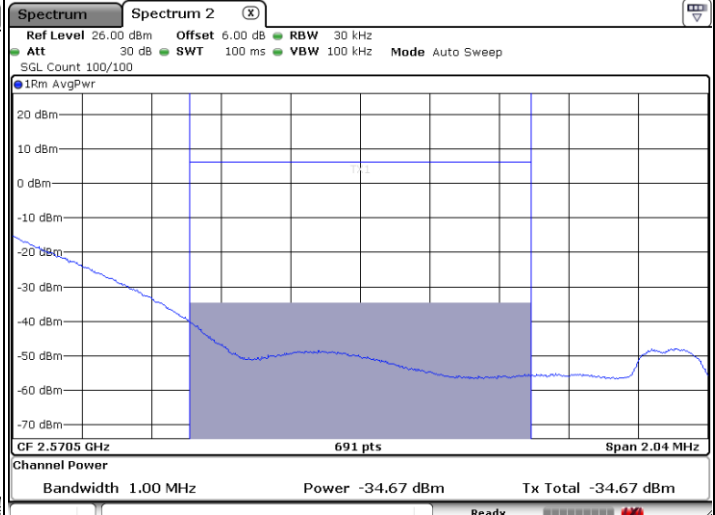
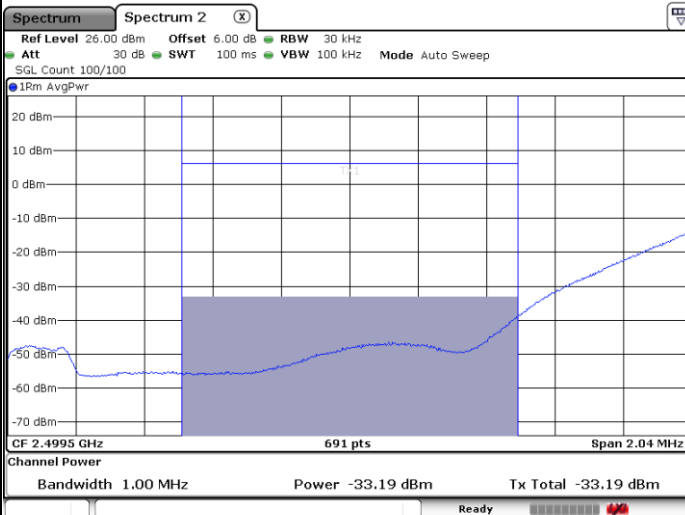
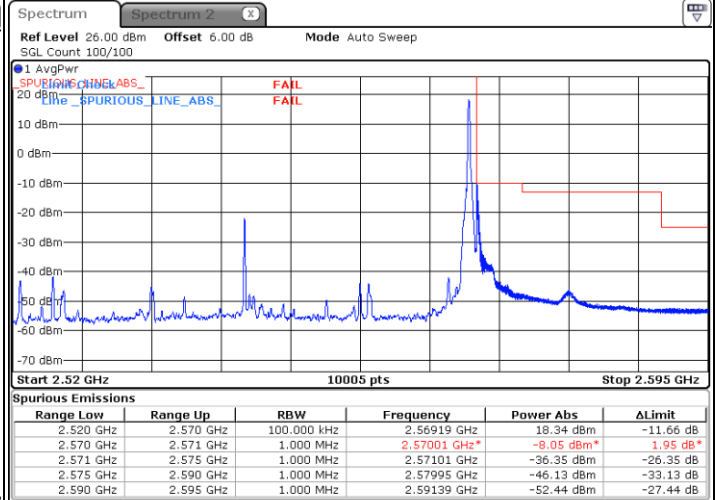
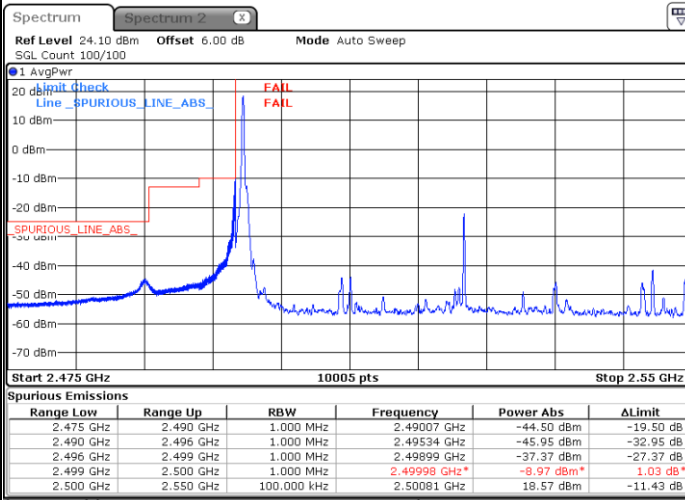




FR1 n7 / 50MHz / DFT-s-OFDM / PI/2 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

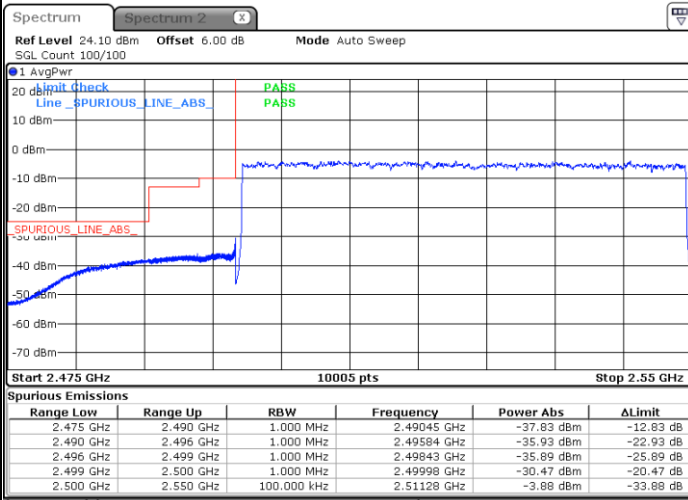




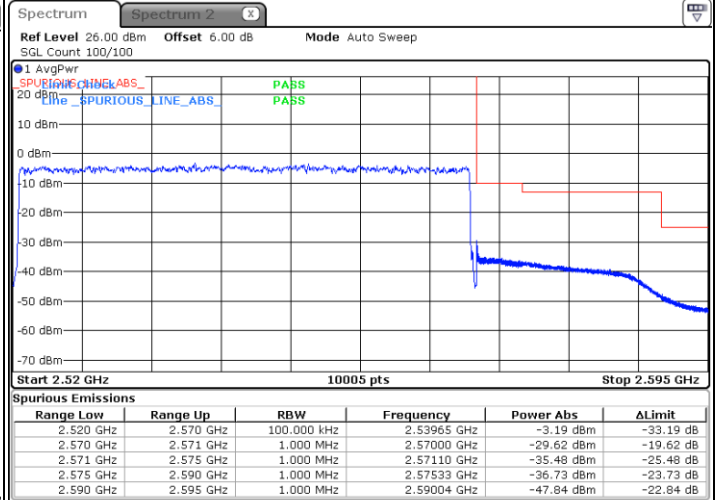
FR1 n7 / 50MHz / DFT-s-OFDM / PI/2 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17.MAR.2022 22:59:33



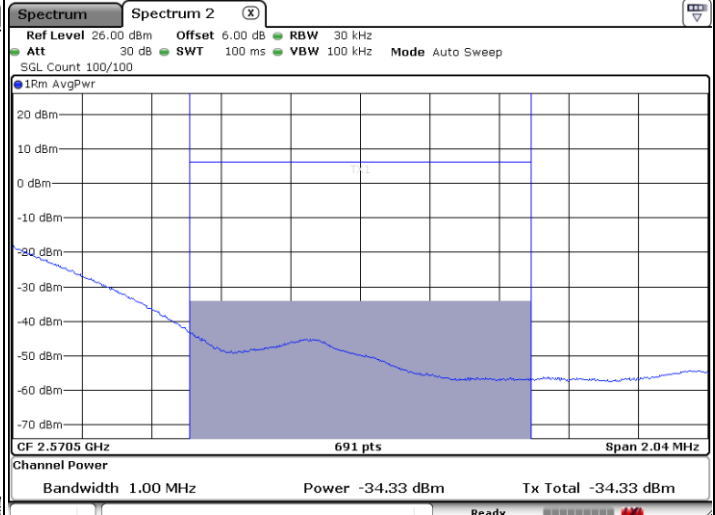
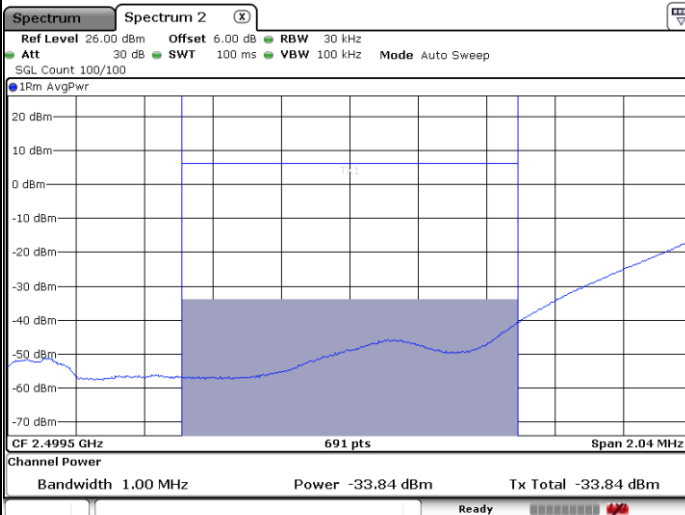
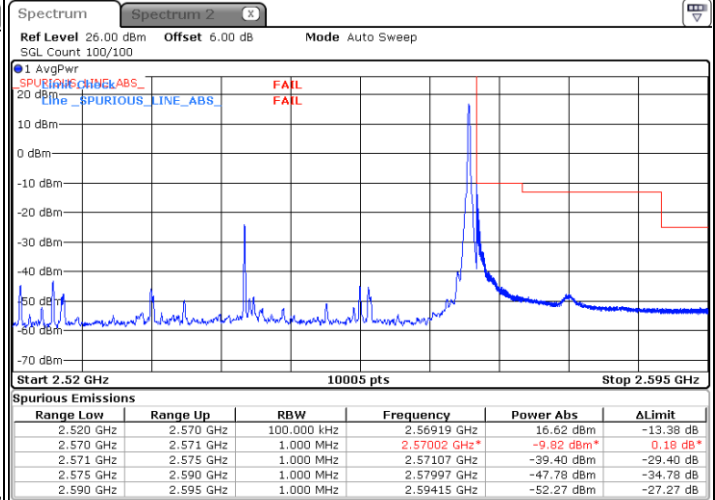
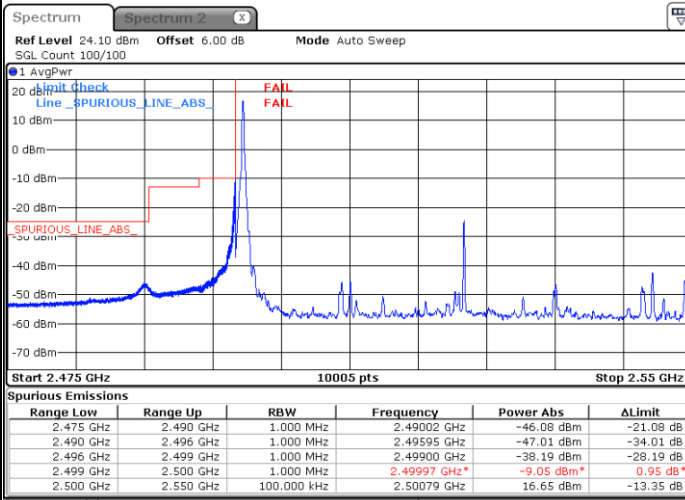
Date: 17.MAR.2022 23:06:14



FR1 n7 / 50MHz / DFT-s-OFDM / PI/2 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

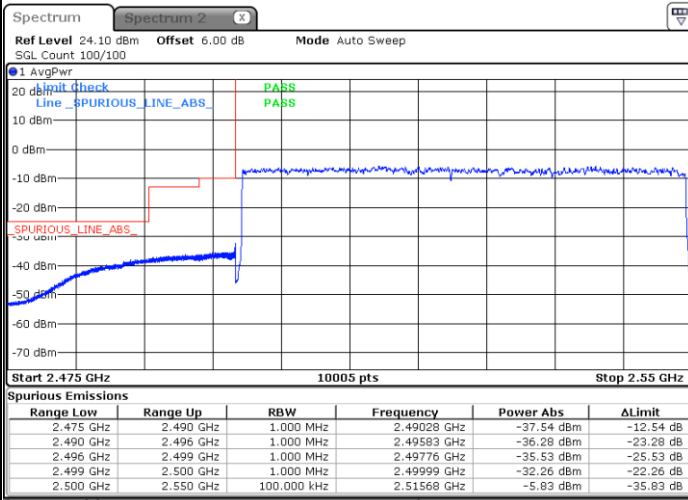




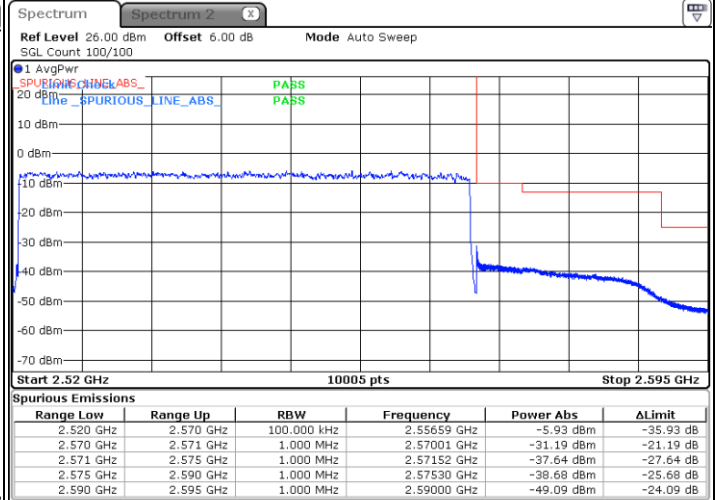
FR1 n7 / 50MHz / DFT-s-OFDM / PI/2 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 17.MAR.2022 23:00:09



Date: 17.MAR.2022 23:06:36

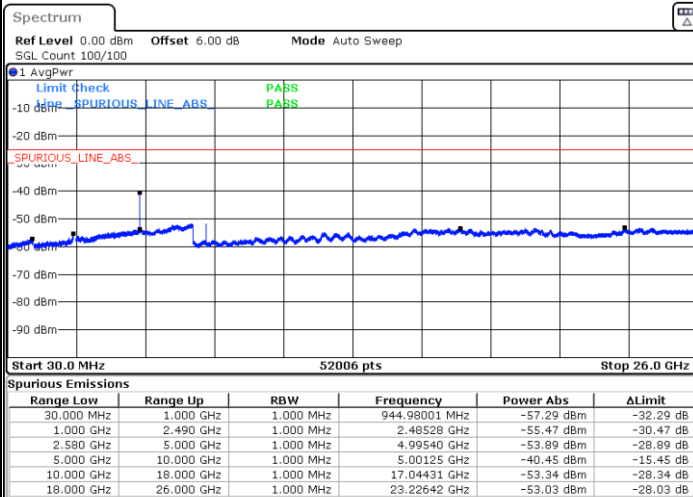


Conducted Spurious Emission

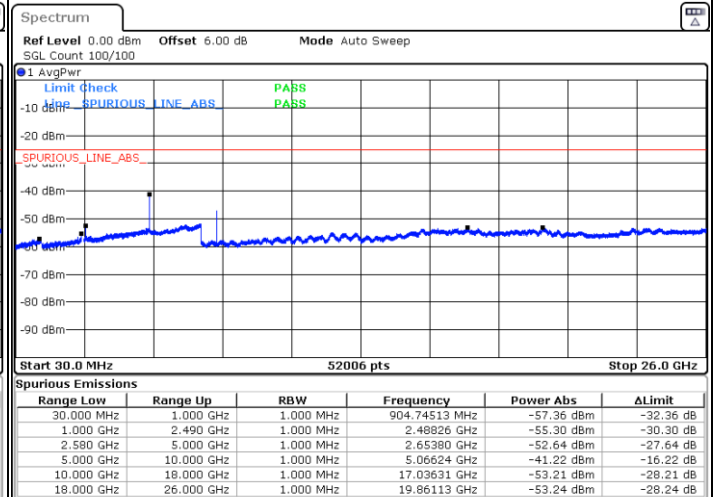
FR1 n7 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

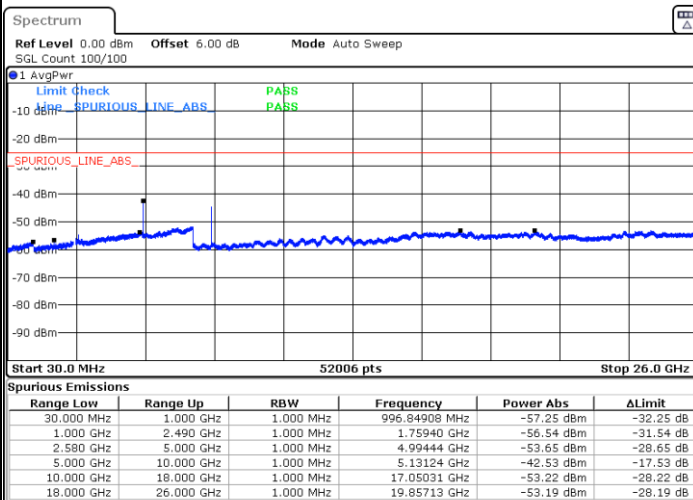


Date: 16 MAR 2022 23:17:25



Date: 16 MAR 2022 23:18:54

Highest Channel / 1RB1

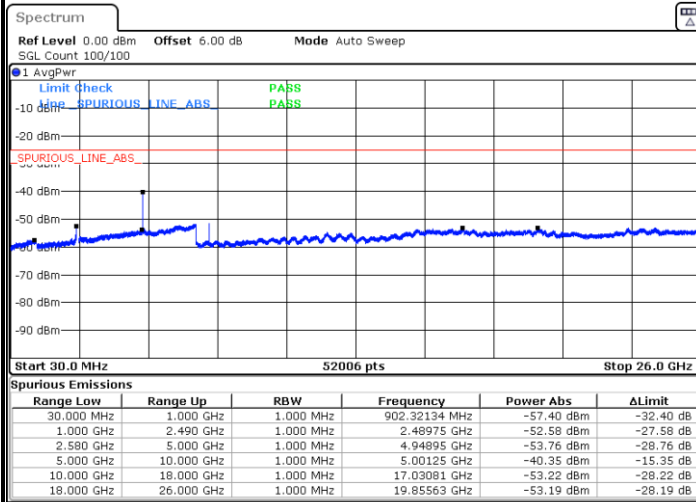


Date: 16 MAR 2022 23:20:36



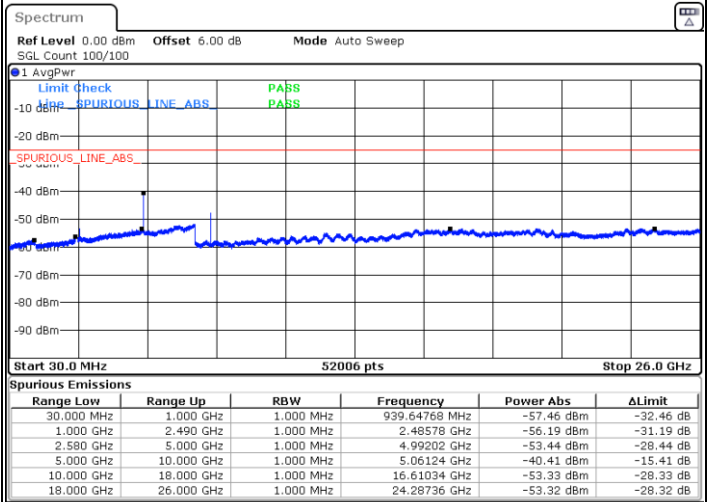
FR1 n7 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



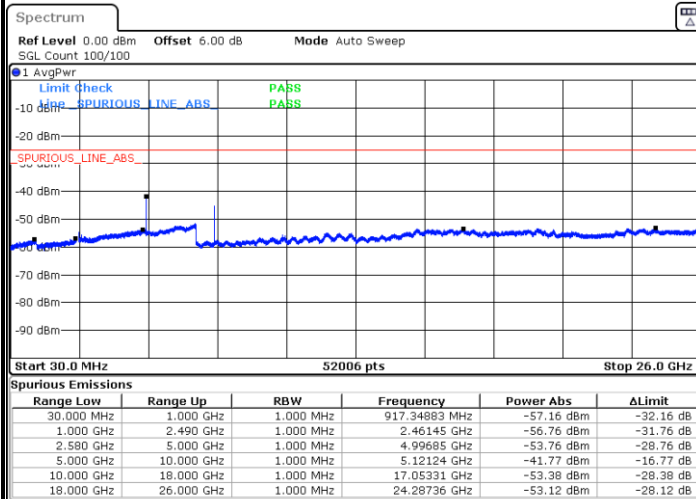
Date: 16 MAR 2022 23:36:53

Middle Channel / 1RB1



Date: 16 MAR 2022 23:38:07

Highest Channel / 1RB1

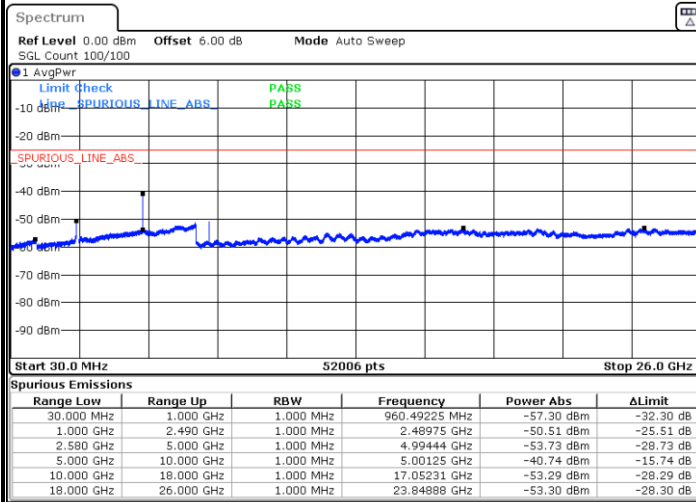


Date: 16 MAR 2022 23:39:30



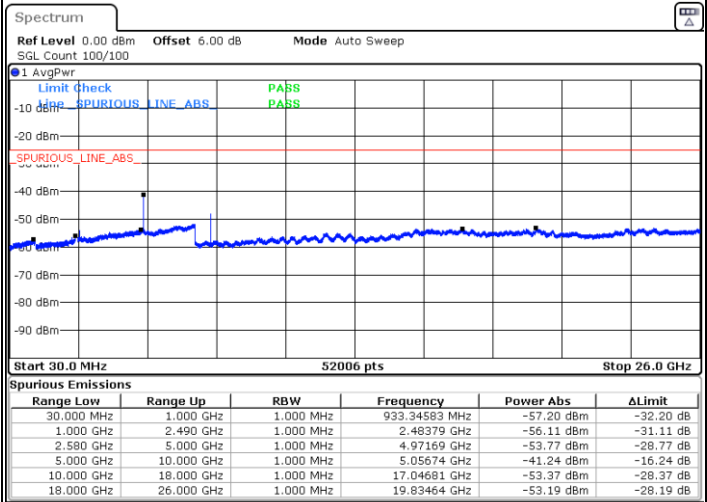
FR1 n7 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



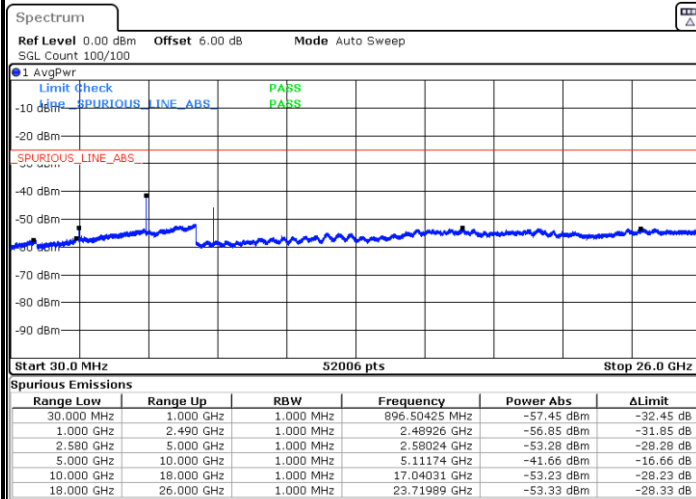
Date: 17.MAR.2022 00:09:25

Middle Channel / 1RB1



Date: 17.MAR.2022 00:10:34

Highest Channel / 1RB1

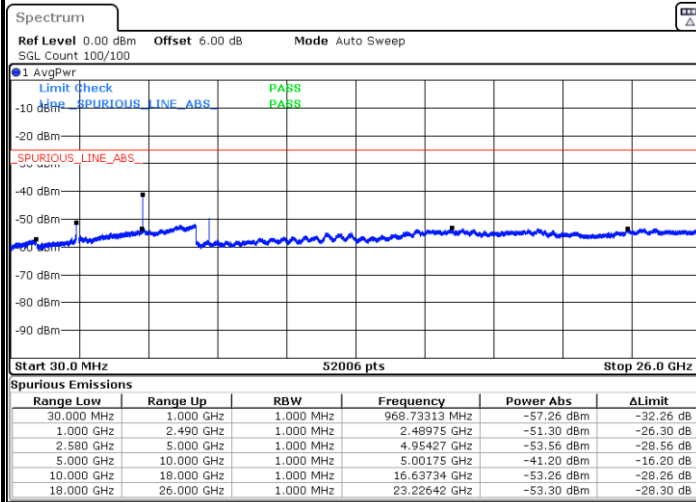


Date: 17.MAR.2022 00:12:14



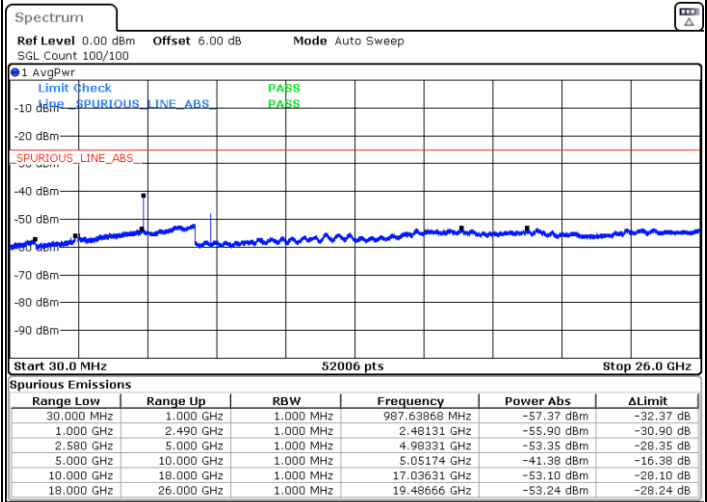
FR1 n7 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



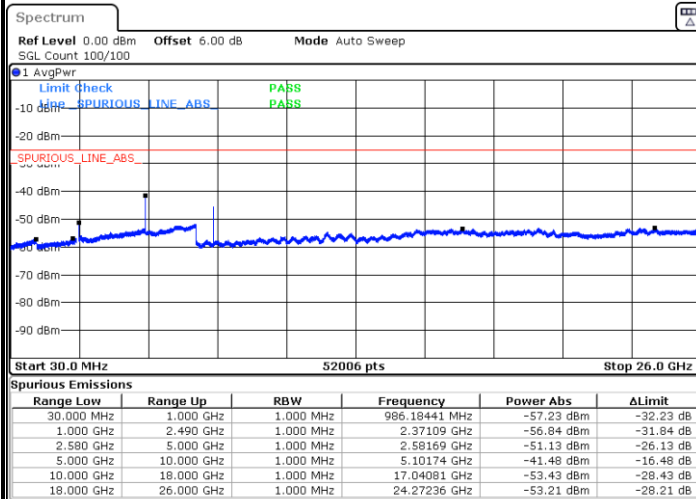
Date: 17.MAR.2022 01:13:10

Middle Channel / 1RB1



Date: 17.MAR.2022 01:14:44

Highest Channel / 1RB1



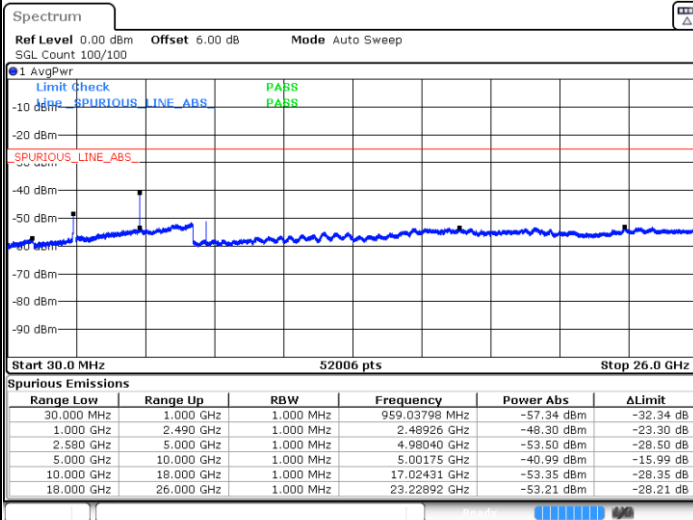
Date: 17.MAR.2022 01:16:07



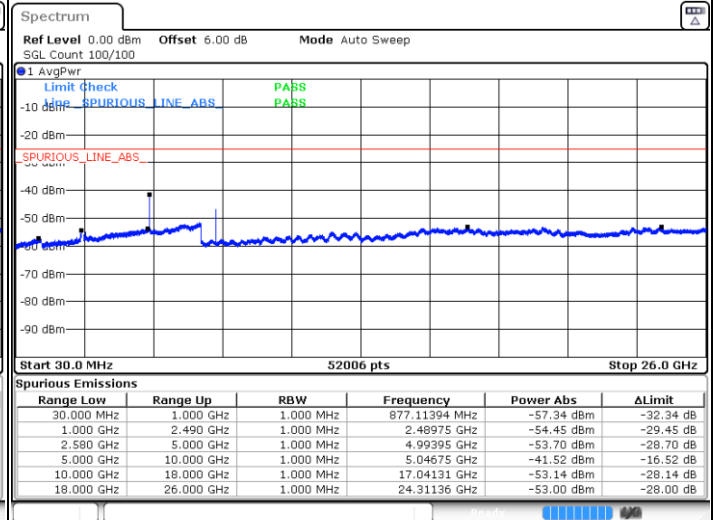
FR1 n7 / 25MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

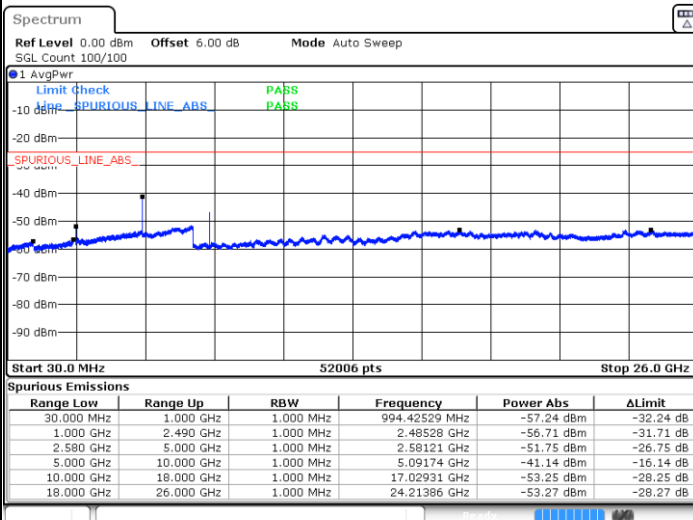


Date: 17.MAR.2022 01:47:08



Date: 17.MAR.2022 01:48:10

Highest Channel / 1RB1



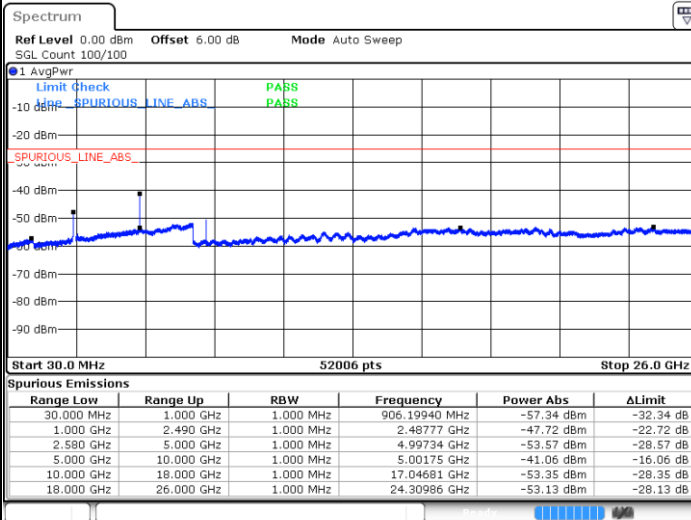
Date: 17.MAR.2022 01:52:08



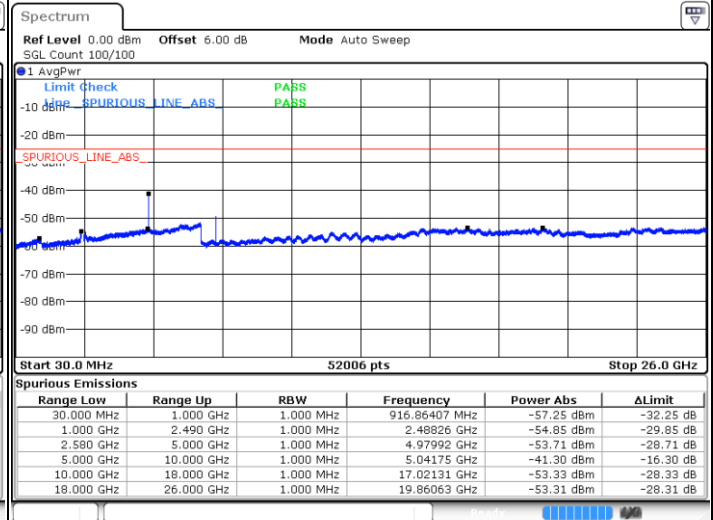
FR1 n7 / 30MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

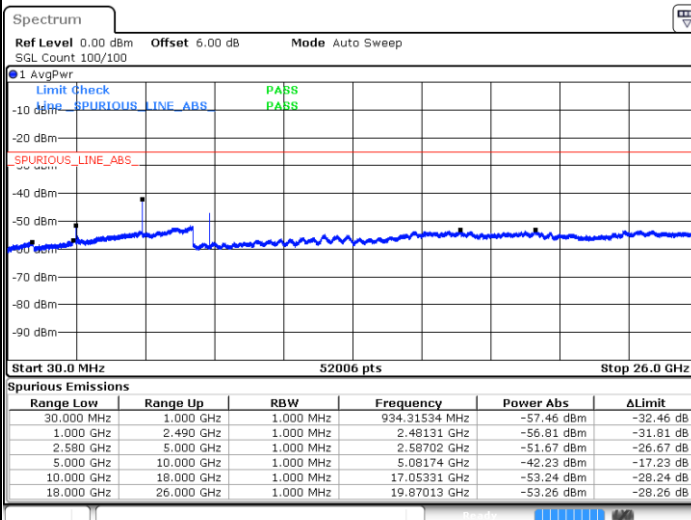


Date: 17.MAR.2022 21:41:24



Date: 17.MAR.2022 21:42:58

Highest Channel / 1RB1

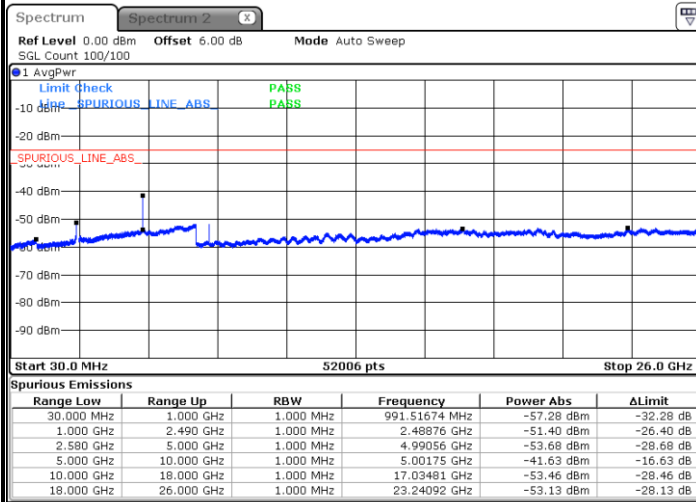


Date: 17.MAR.2022 21:44:01



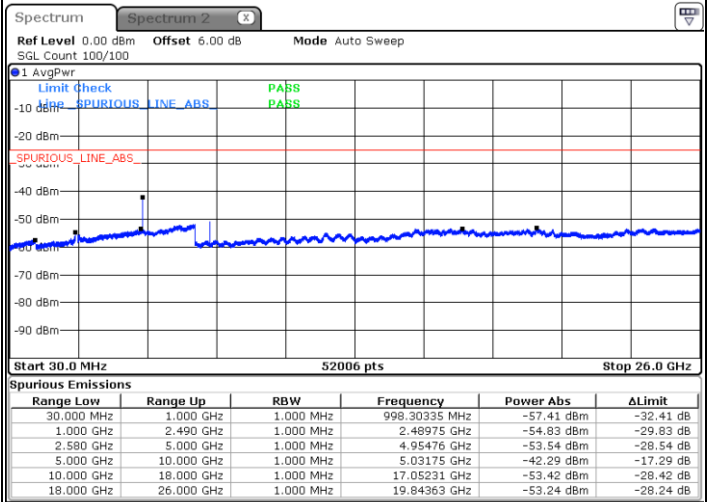
FR1 n7 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



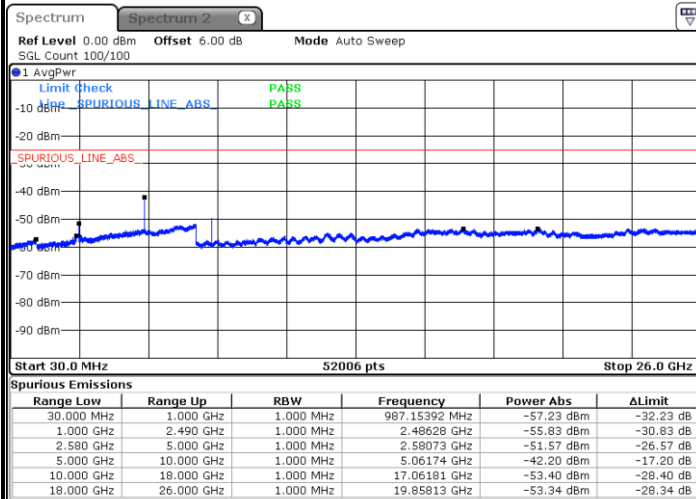
Date: 17.MAR.2022 22:27:10

Middle Channel / 1RB1



Date: 17.MAR.2022 22:28:20

Highest Channel / 1RB1

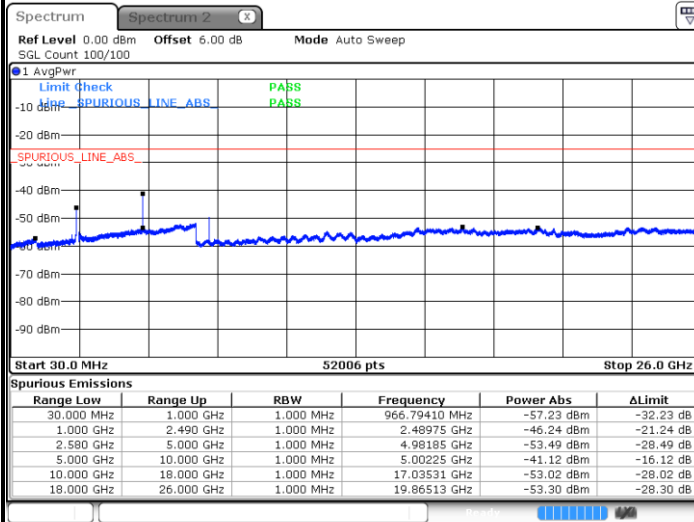


Date: 17.MAR.2022 22:29:25



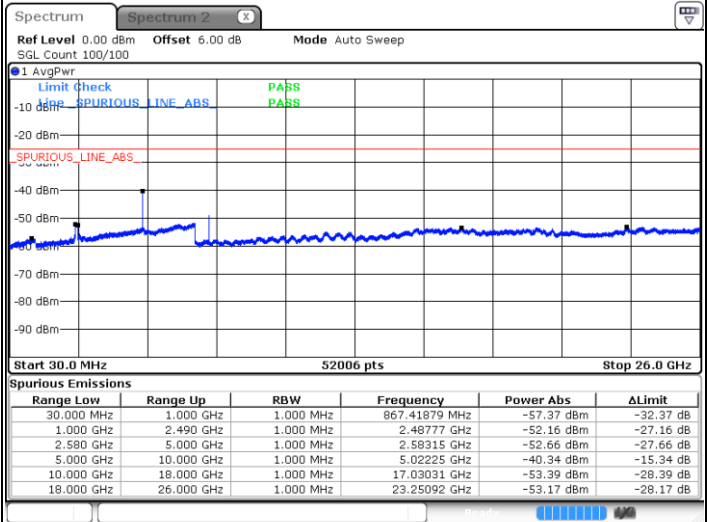
FR1 n7 /50MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



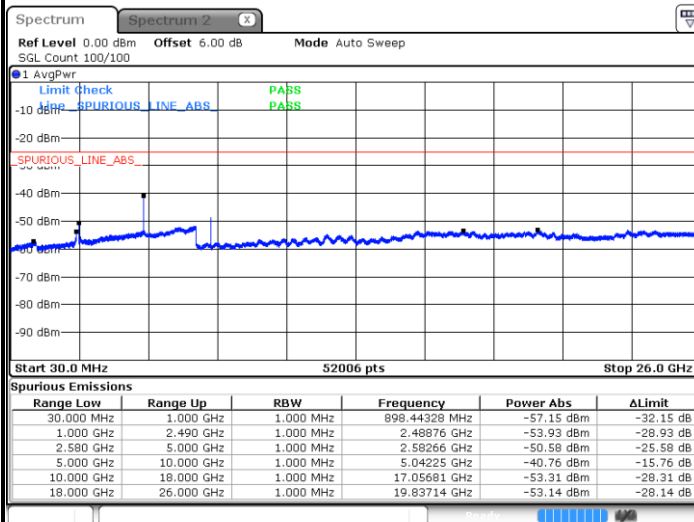
Date: 17.MAR.2022 23:01:08

Middle Channel / 1RB1



Date: 17.MAR.2022 23:02:20

Highest Channel / 1RB1



Date: 17.MAR.2022 23:03:32

Frequency Stability

Test Conditions		FR1 n7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0014	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0012	
20	Battery End Point	0.0005	

Note:

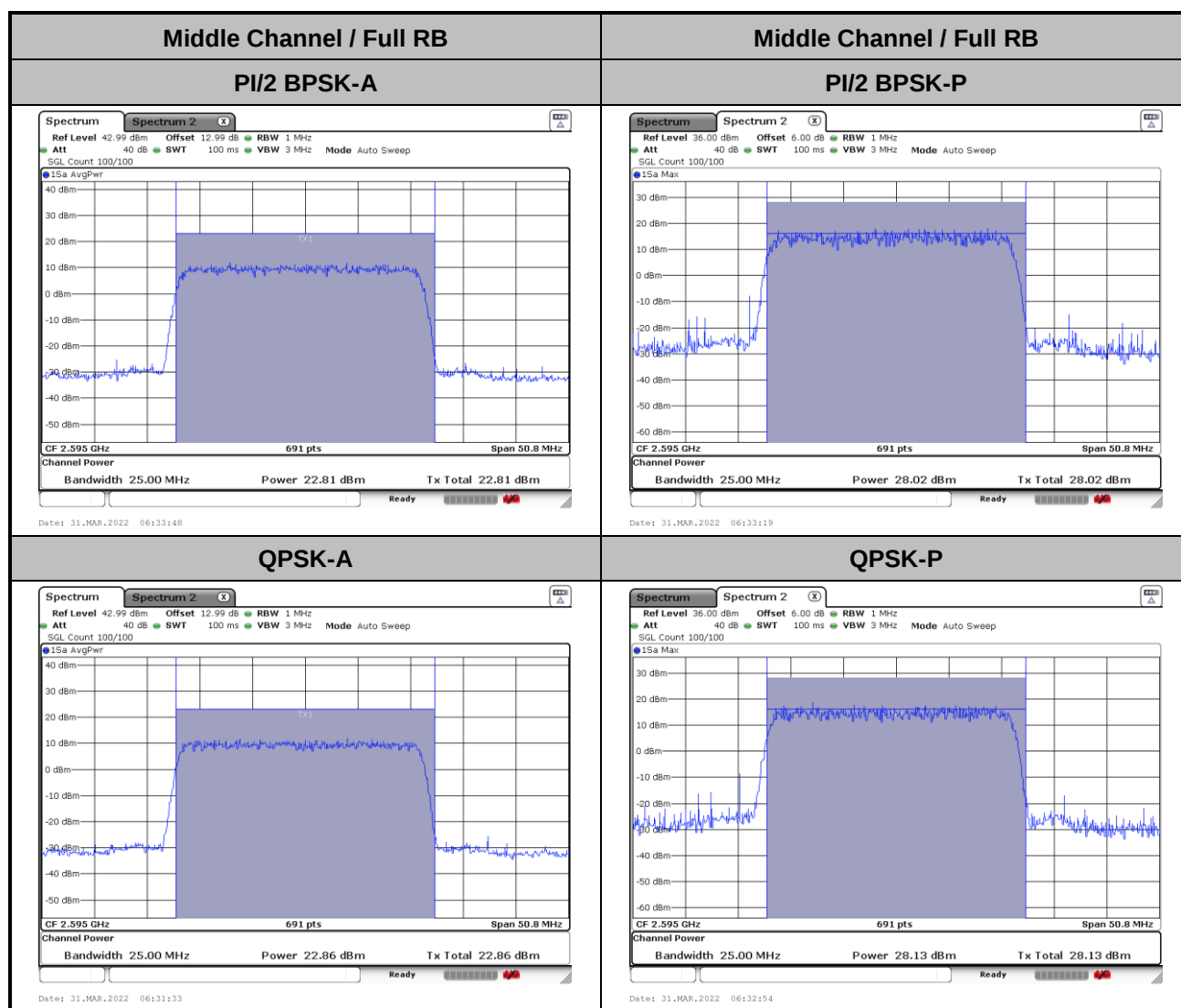
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



FR1 n38(SCS 15kHz)

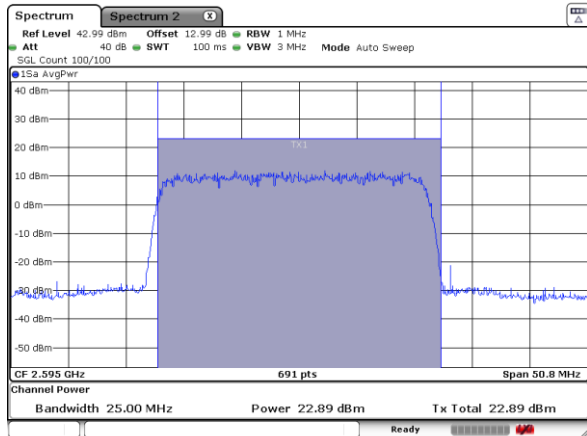
Peak-to-Average Ratio

Mode	FR1 n38 / 25MHz / DFT-S OFDM				
Mod.	25M				Limit: 13dB
RB Size	BPSK	QPSK	16QAM	64QAM	Result
Middle CH	5.21	5.27	5.14	5.38	PASS
RB Size	256QAM	-			
Middle CH	5.02				



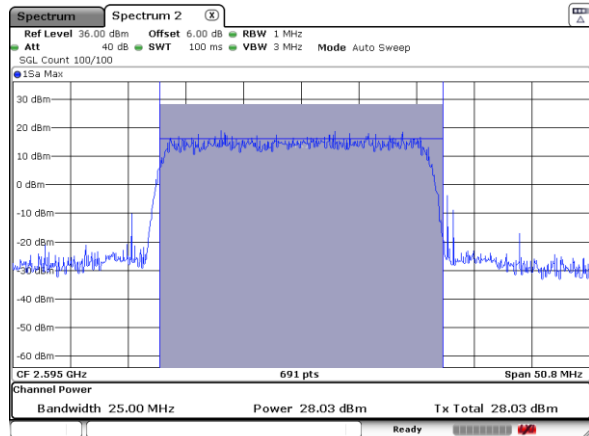


16QAM-A



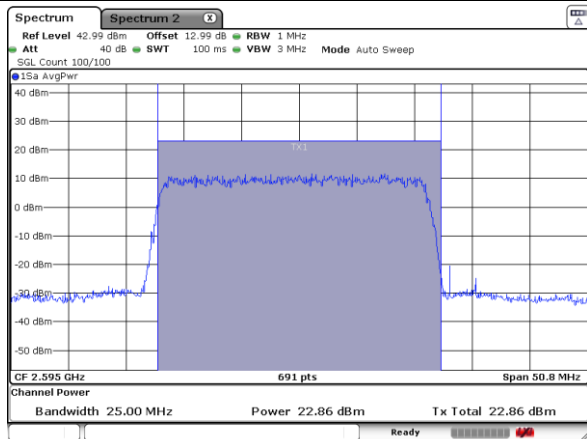
Date: 31.MAR.2022 06:30:53

16QAM-P



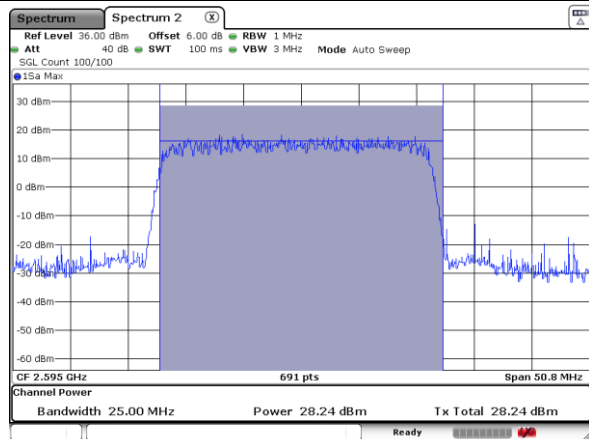
Date: 31.MAR.2022 06:34:59

64QAM-A



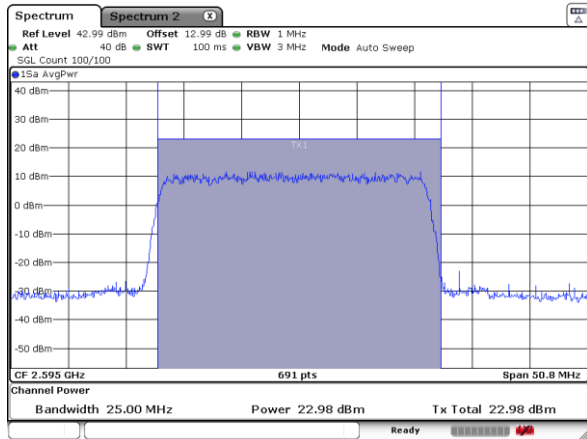
Date: 31.MAR.2022 06:37:30

64QAM-P



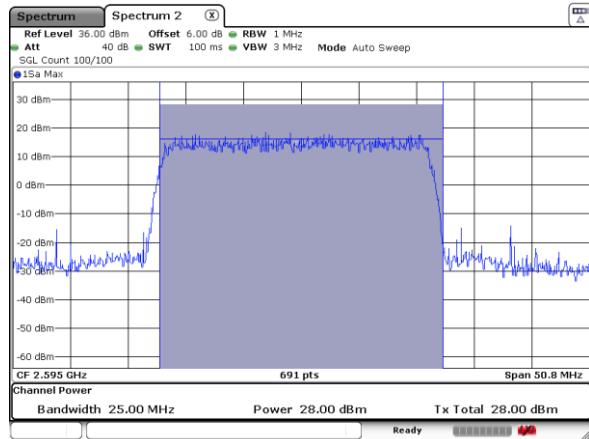
Date: 31.MAR.2022 06:36:14

256QAM-A



Date: 31.MAR.2022 06:38:17

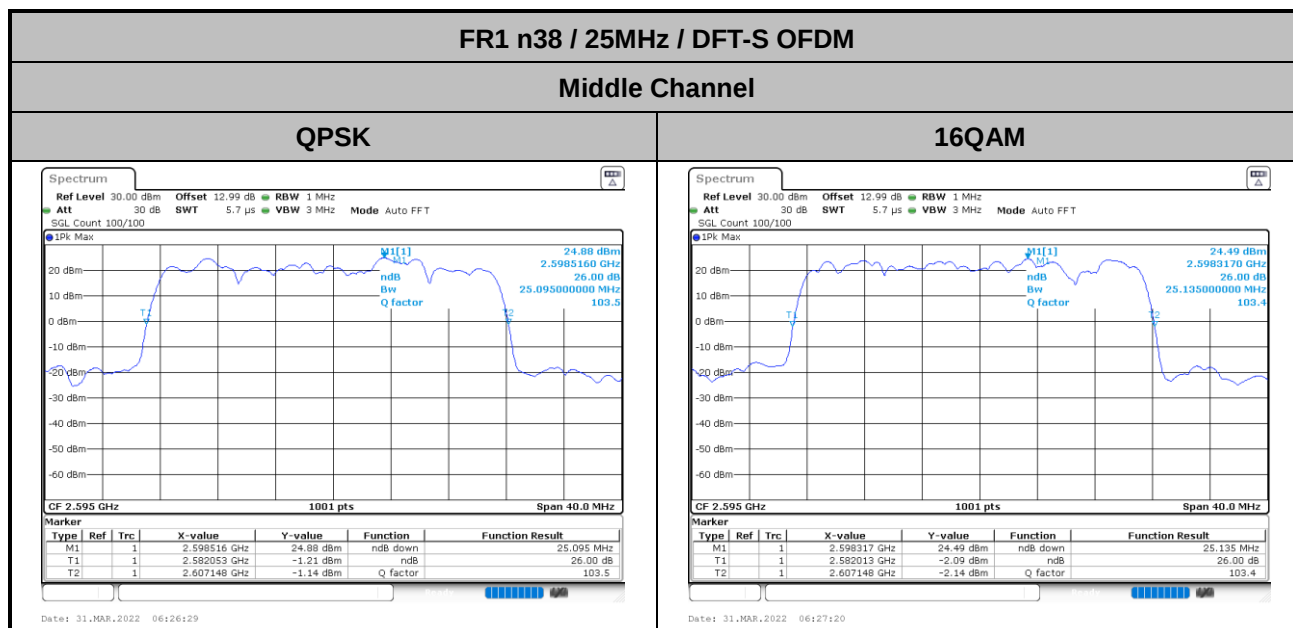
256QAM-P



Date: 31.MAR.2022 06:39:03

**26dB Bandwidth**

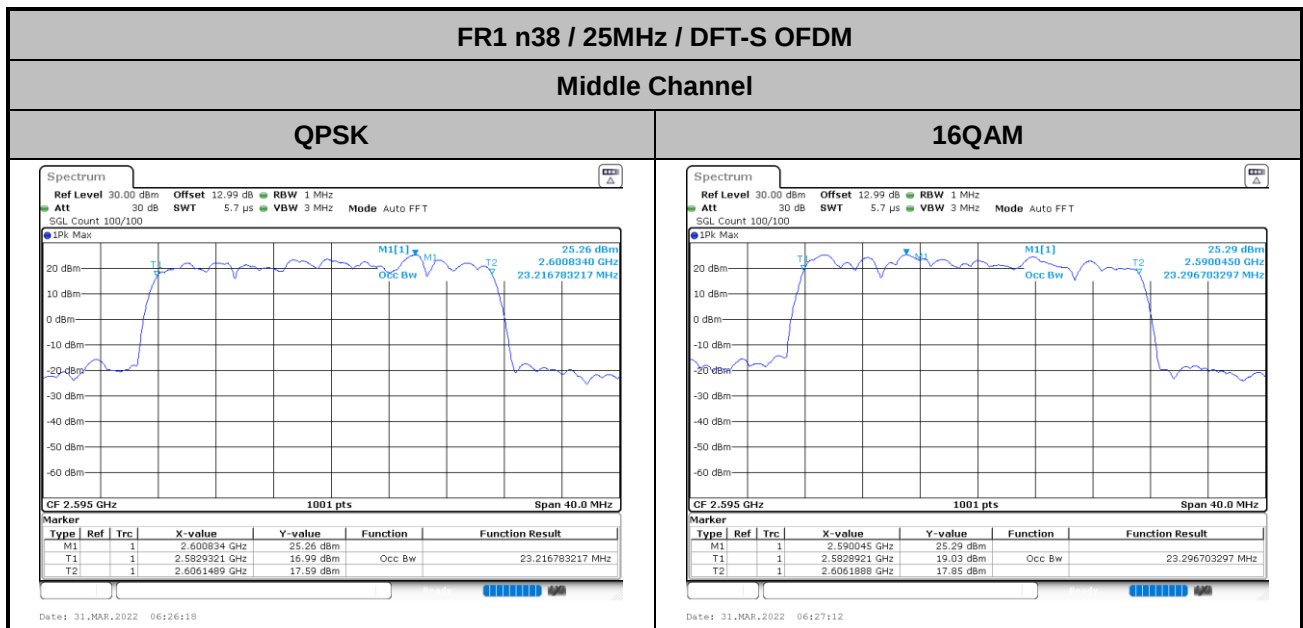
Mode	FR1 n38 : 26dB BW(MHz) / DFT-S OFDM	
BW	25M	
Mod.	QPSK	16QAM
Middle CH	25.10	25.14





Occupied Bandwidth

Mode	FR1 n38 : 99%OBW(MHz) / DFT-S OFDM	
BW	25M	
Mod.	QPSK	16QAM
Middle CH	23.22	23.30



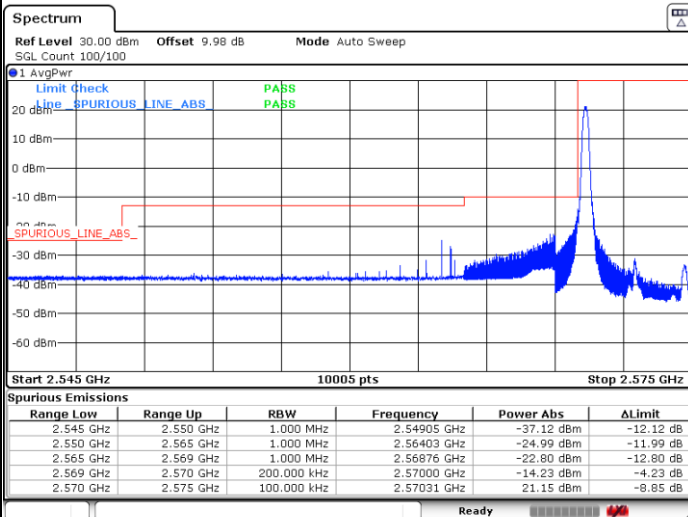


Conducted Band Edge

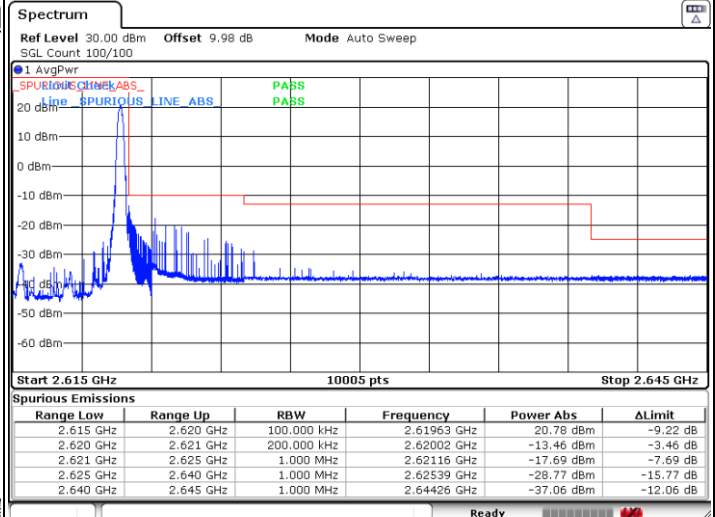
FR1 n38 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



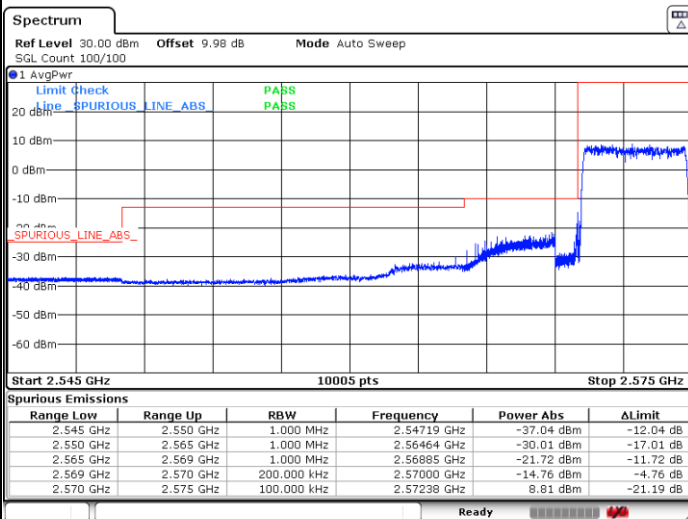
Date: 31.MAR.2022 05:53:46



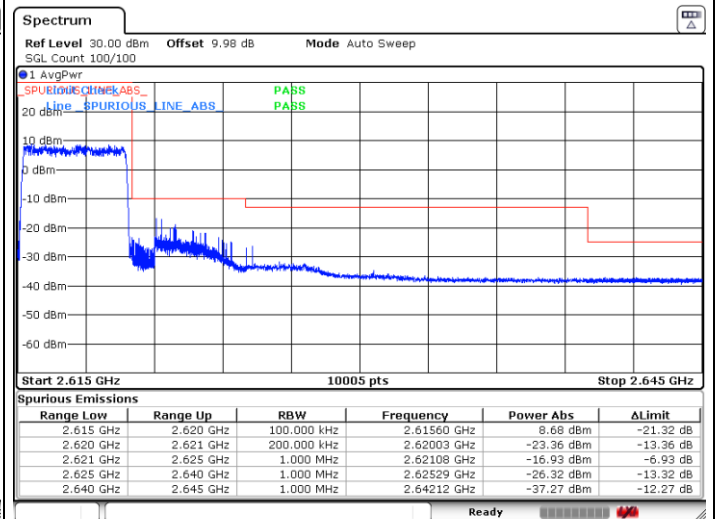
Date: 31.MAR.2022 06:19:00

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 31.MAR.2022 06:04:43



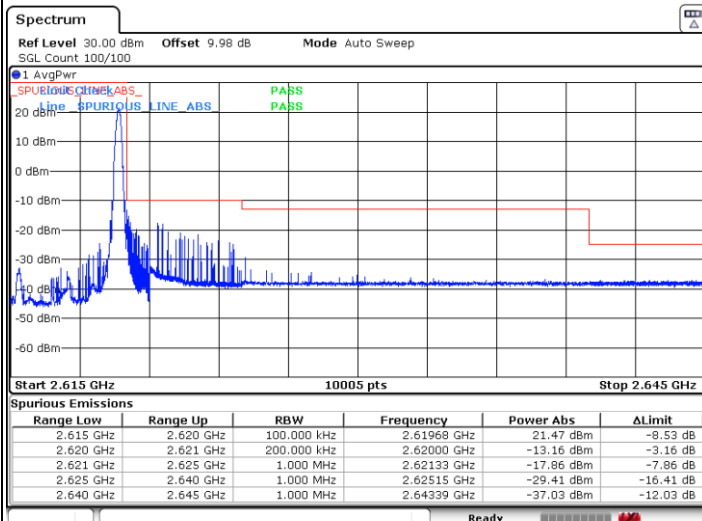
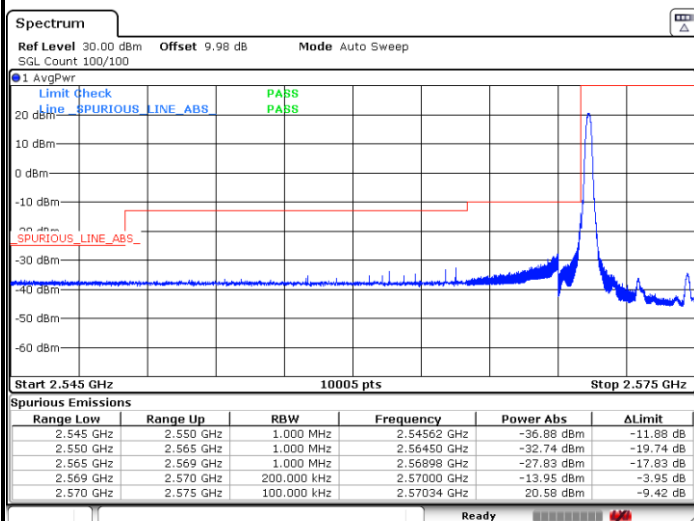
Date: 31.MAR.2022 06:18:17



FR1 n38 / 5MHz / DFT-S OFDM / QPSK

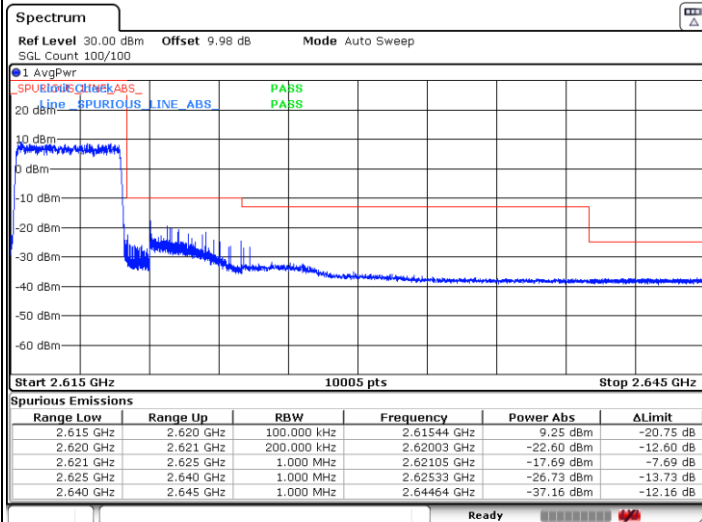
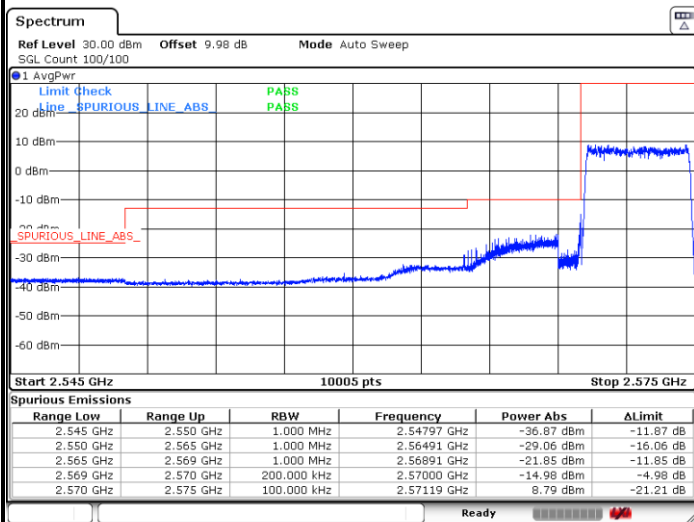
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

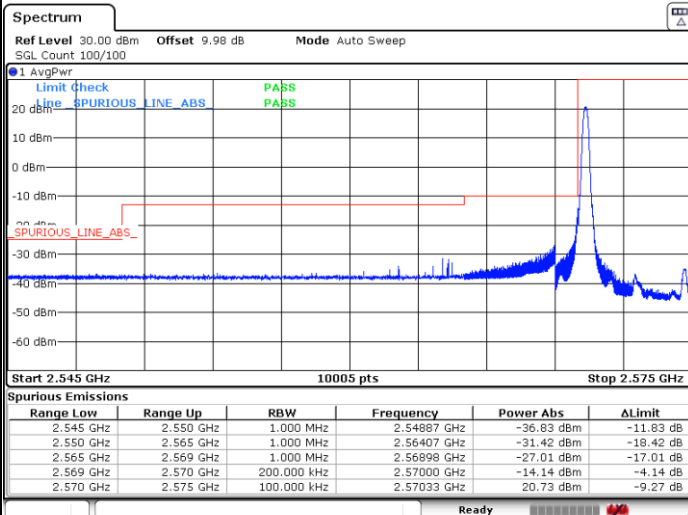




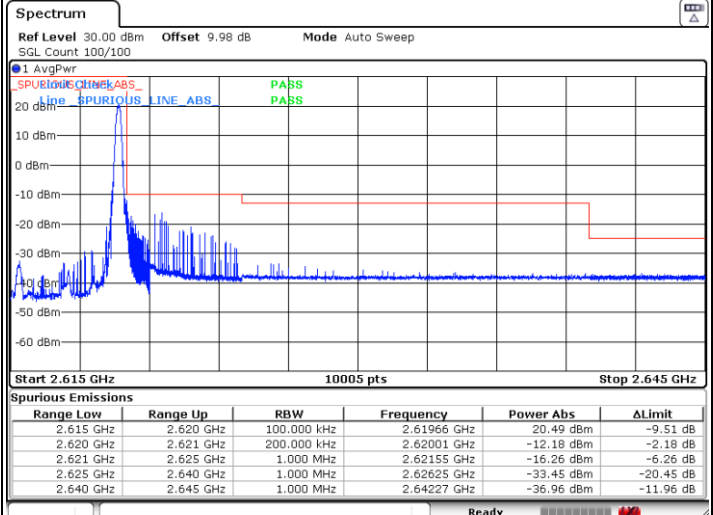
FR1 n38 / 5MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



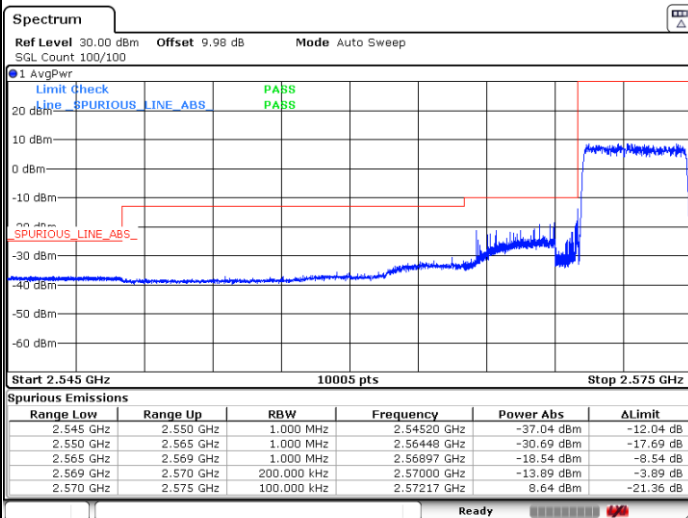
Date: 31.MAR.2022 06:10:41



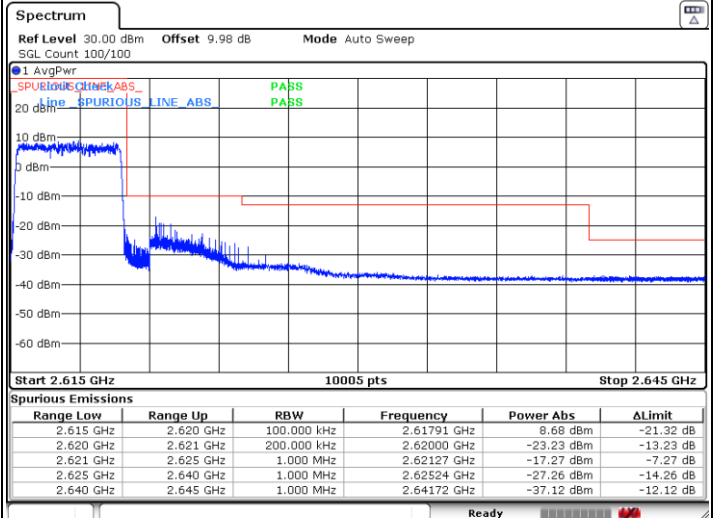
Date: 31.MAR.2022 06:14:48

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 31.MAR.2022 06:05:12

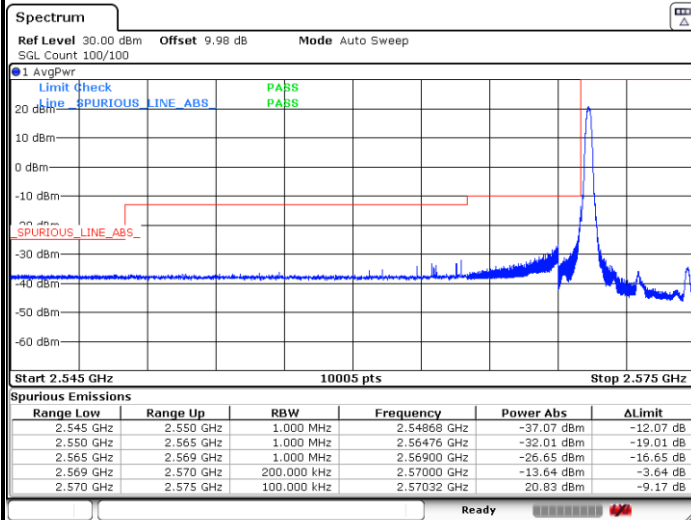


Date: 31.MAR.2022 06:17:17

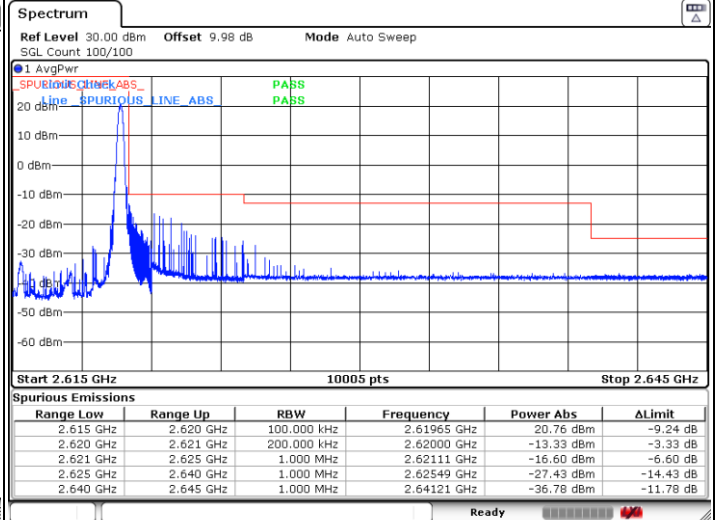


FR1 n38 / 5MHz / DFT-S OFDM / 64Q

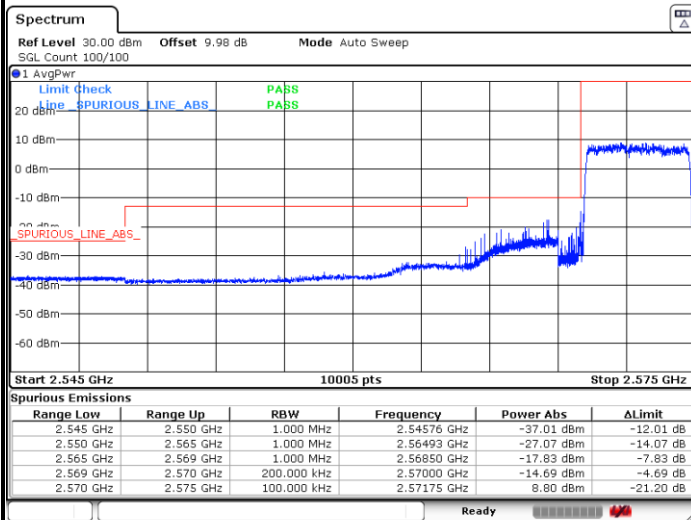
Lowest Band Edge / 1RB0



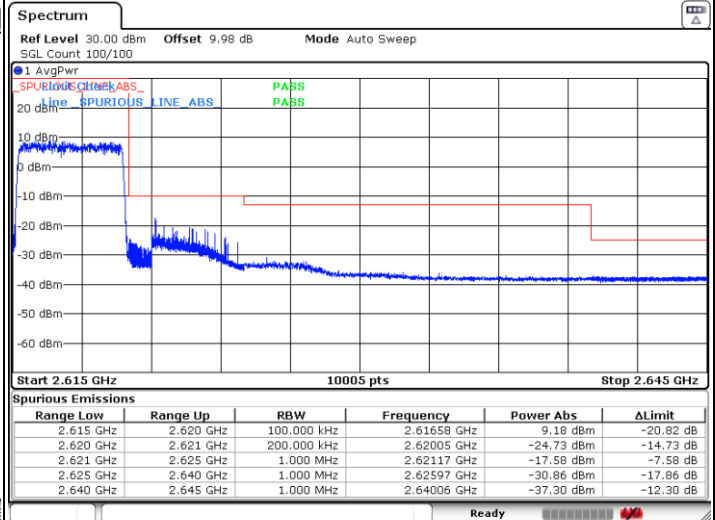
Highest Band Edge / 1RB24



Lowest Band Edge / Full RB



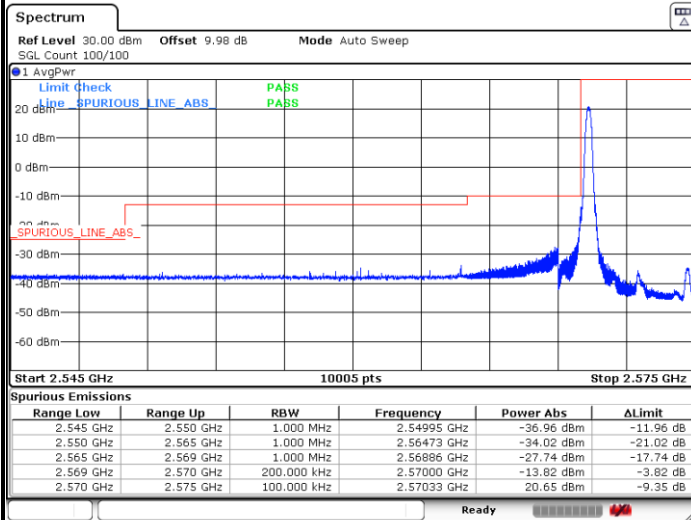
Highest Band Edge / Full RB





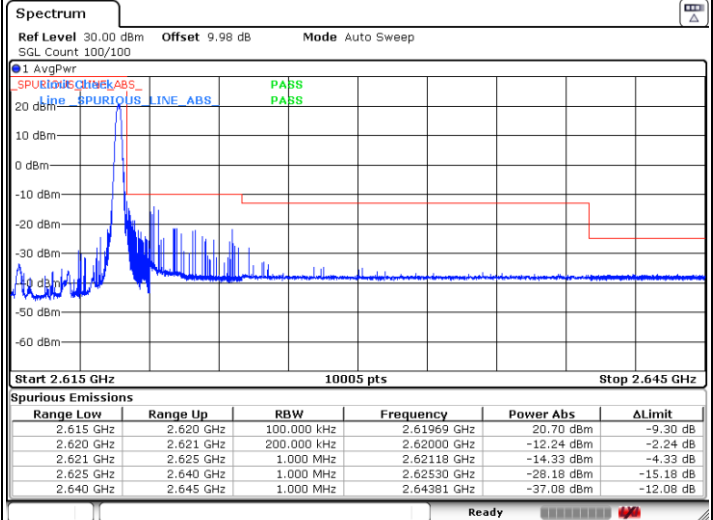
FR1 n38 / 5MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0



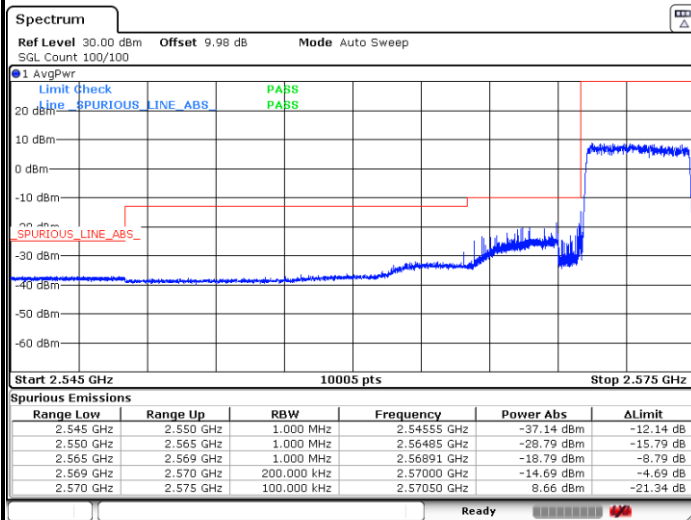
Date: 31.MAR.2022 06:07:43

Highest Band Edge / 1RB24



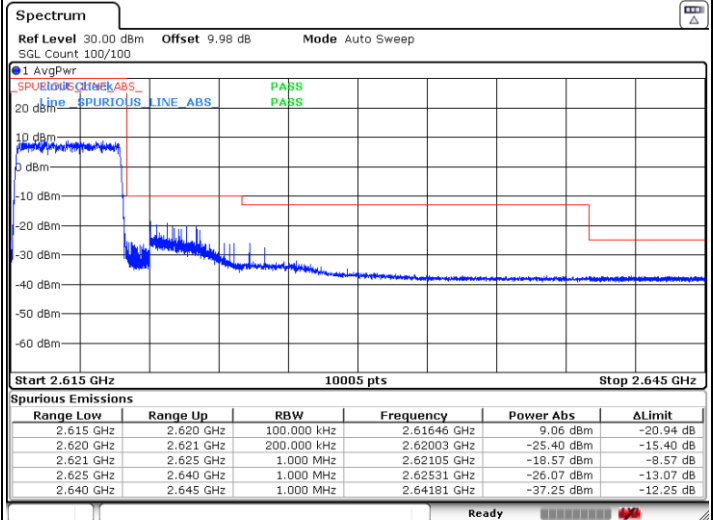
Date: 31.MAR.2022 06:15:48

Lowest Band Edge / Full RB



Date: 31.MAR.2022 06:05:57

Highest Band Edge / Full RB



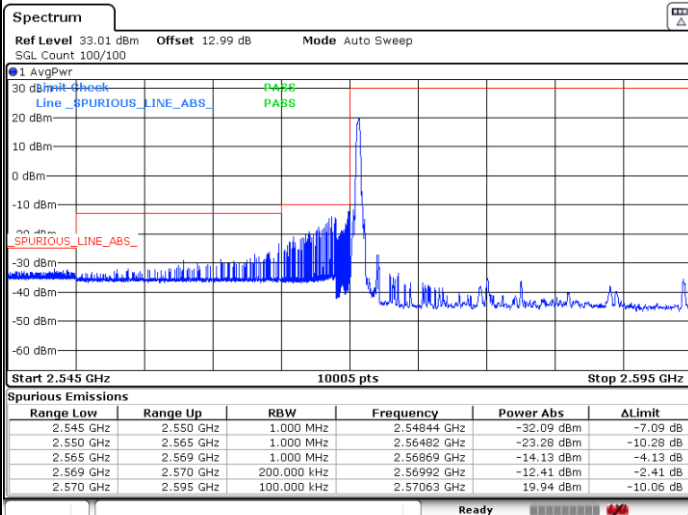
Date: 31.MAR.2022 06:16:32



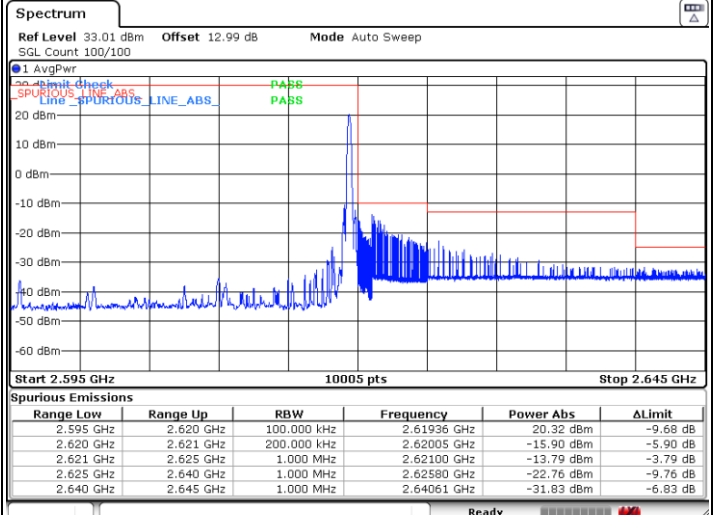
FR1 n38 / 25MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



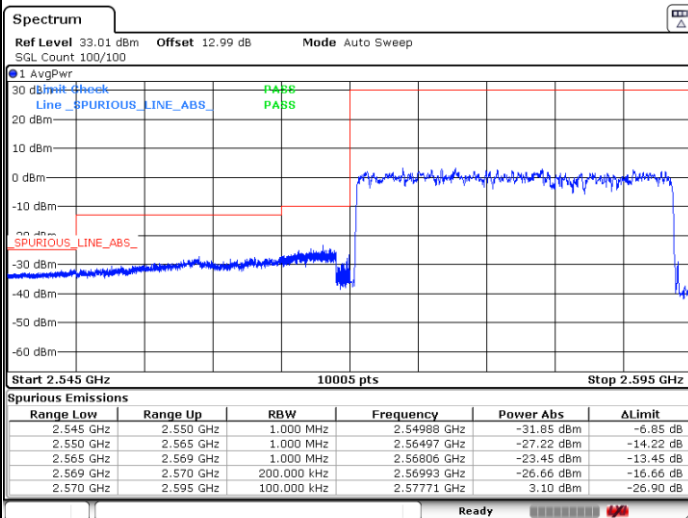
Date: 31.MAR.2022 04:55:22



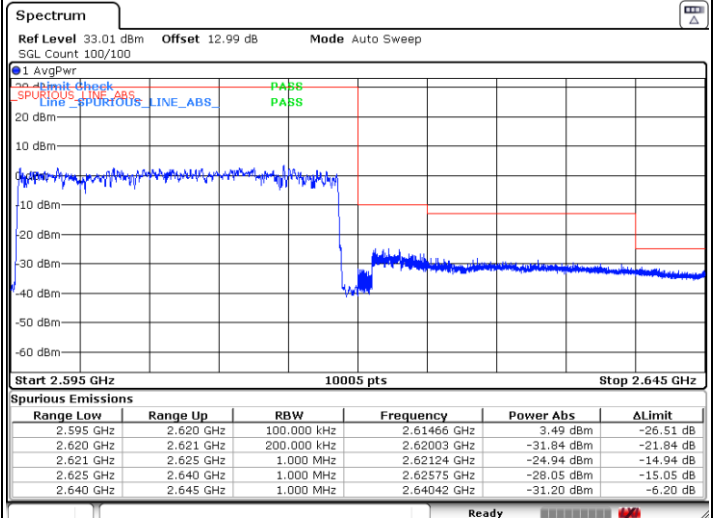
Date: 31.MAR.2022 05:16:29

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 31.MAR.2022 04:54:52



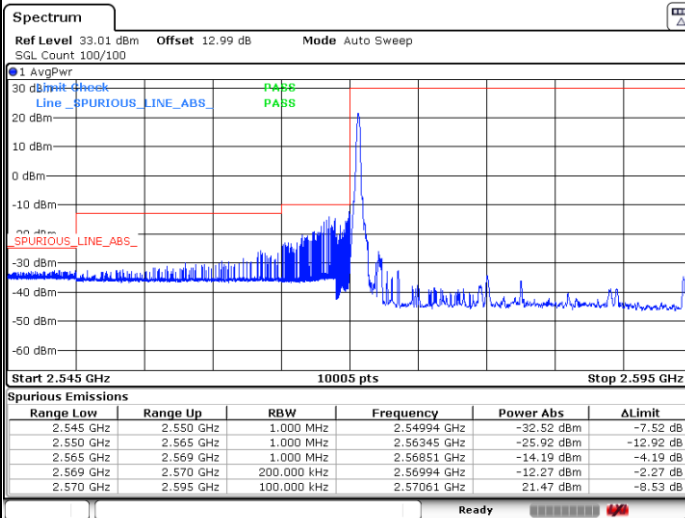
Date: 31.MAR.2022 05:16:00



FR1 n38 / 25MHz / DFT-S OFDM / QPSK

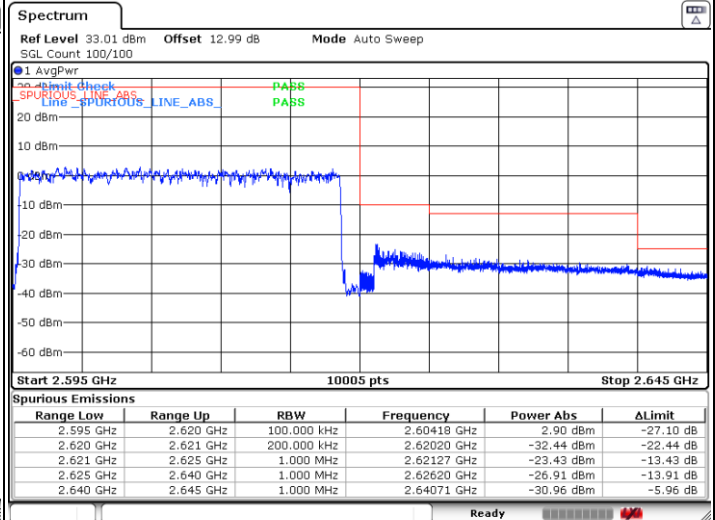
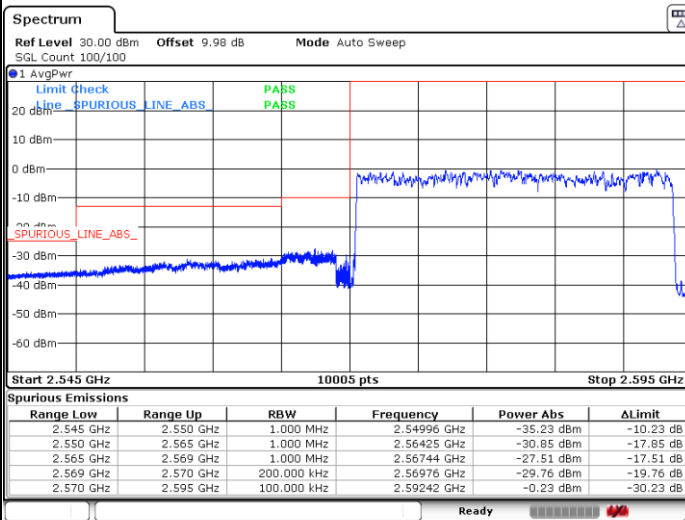
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

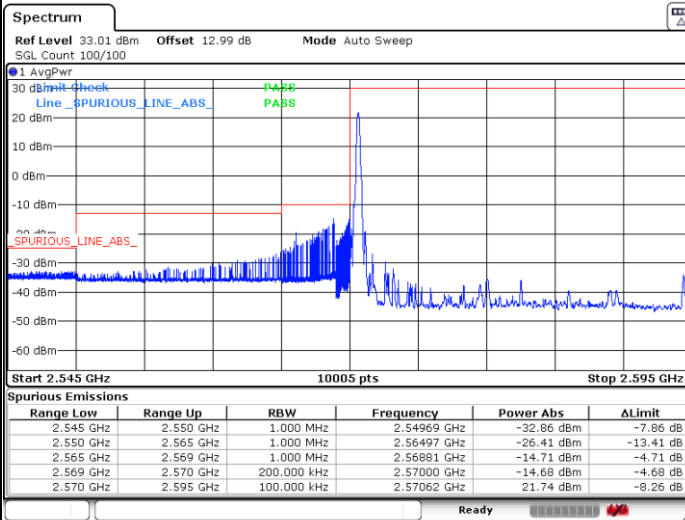




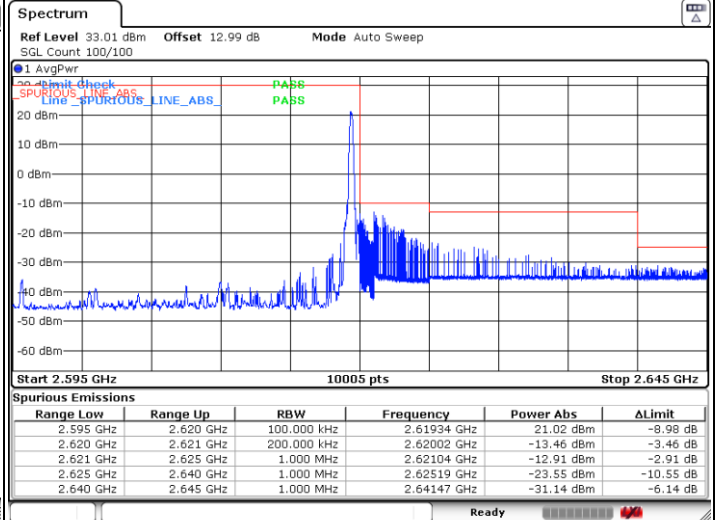
FR1 n38 / 25MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



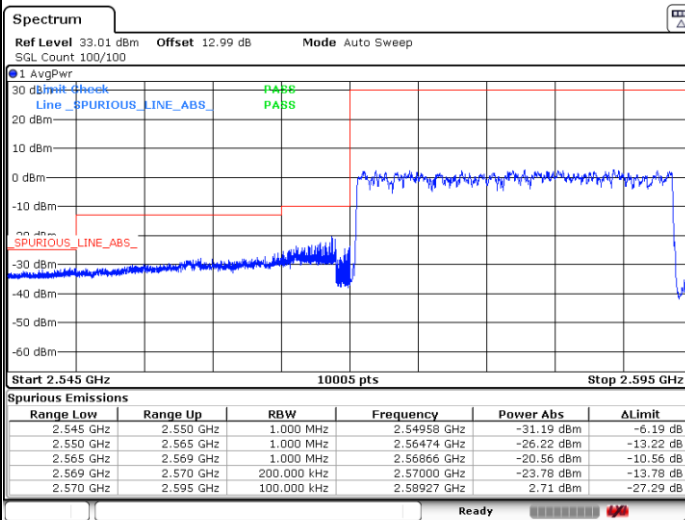
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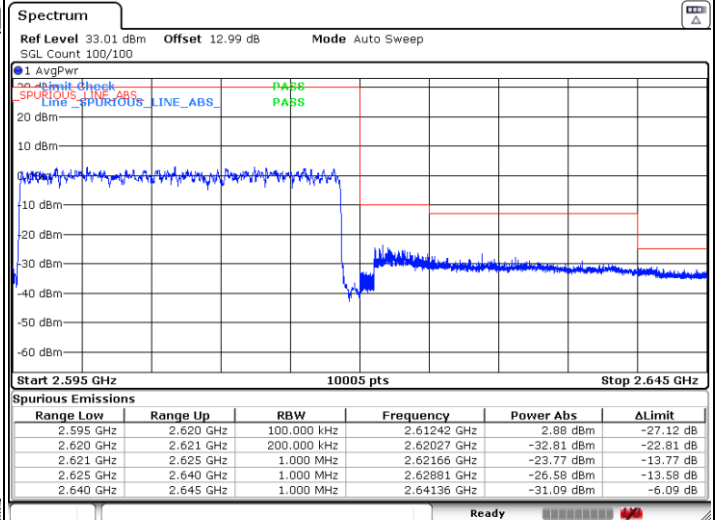
Date: 31.MAR.2022 05:11:58

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 31.MAR.2022 04:58:23



Date: 31.MAR.2022 05:15:05