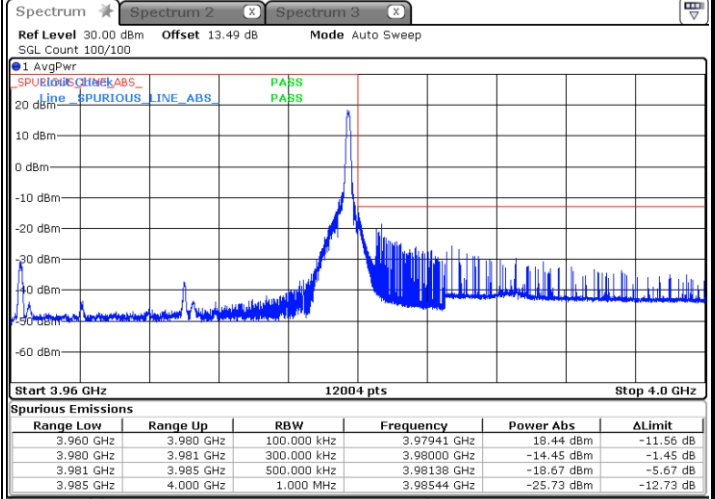
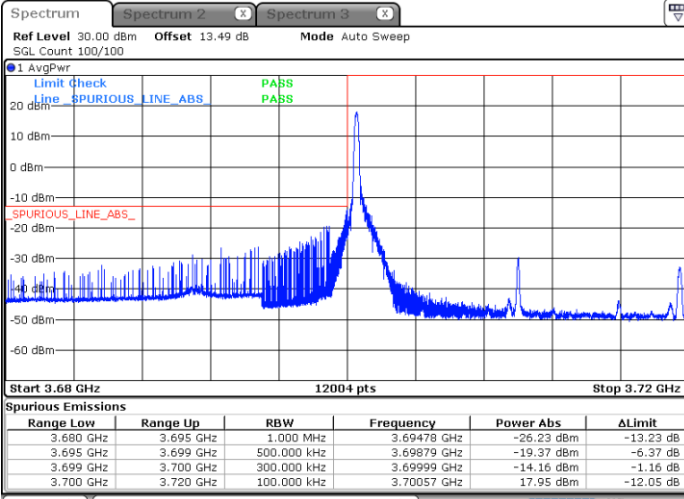




FR1 n77 / 20MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

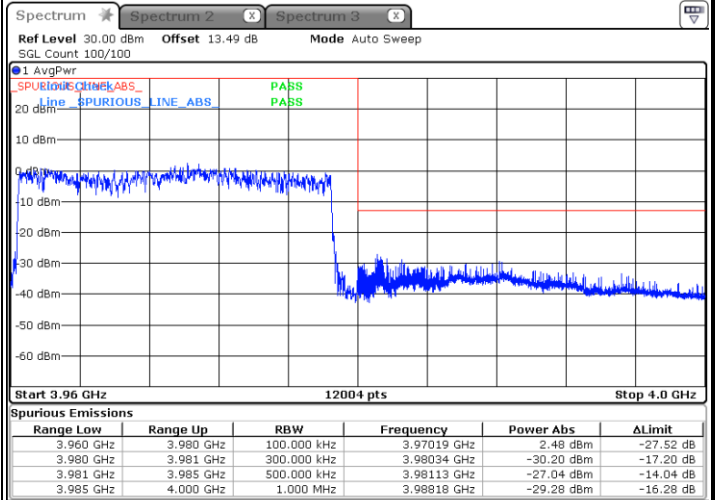
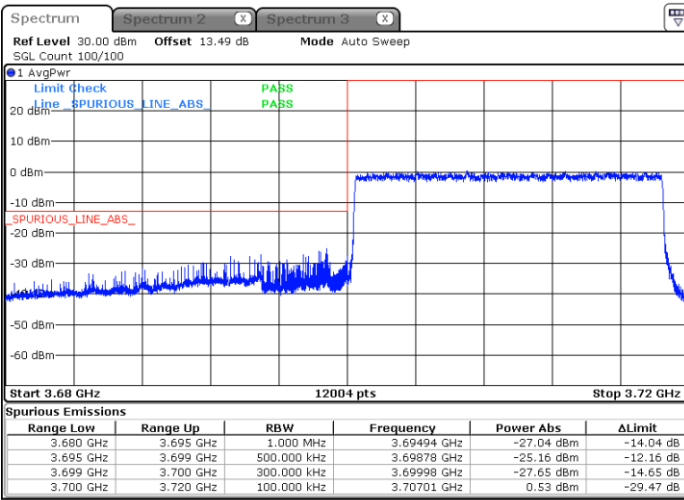


Date: 22.FEB.2022 10:13:25

Date: 22.FEB.2022 10:25:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22.FEB.2022 10:14:15

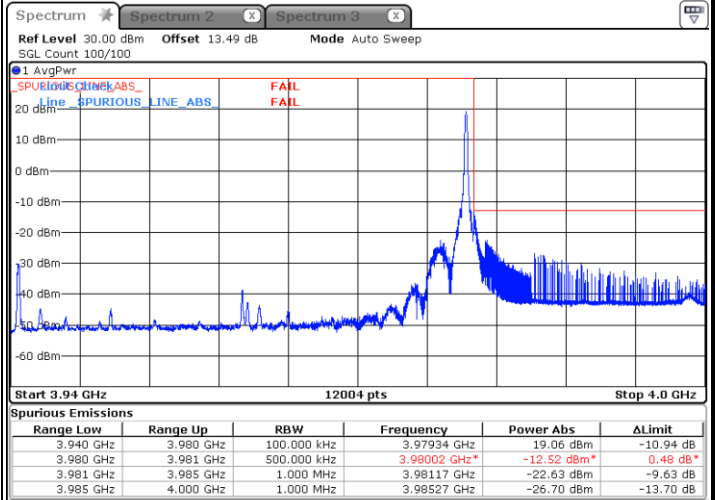
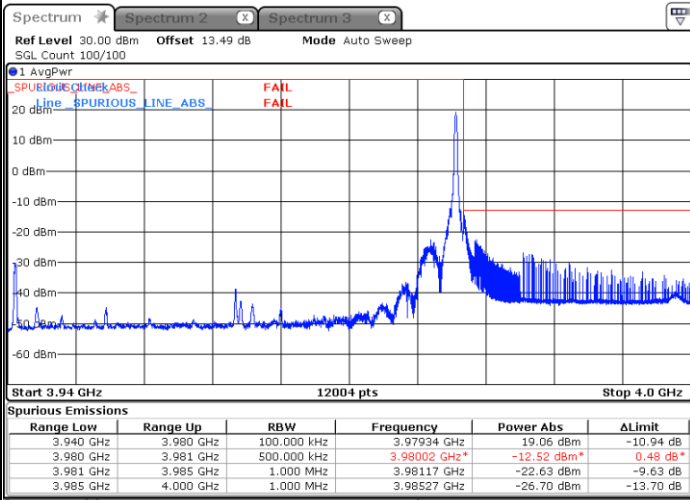
Date: 22.FEB.2022 10:23:33



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

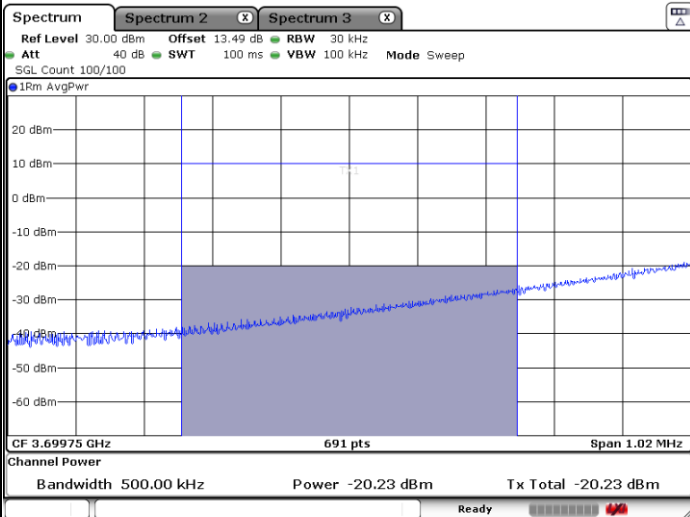
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

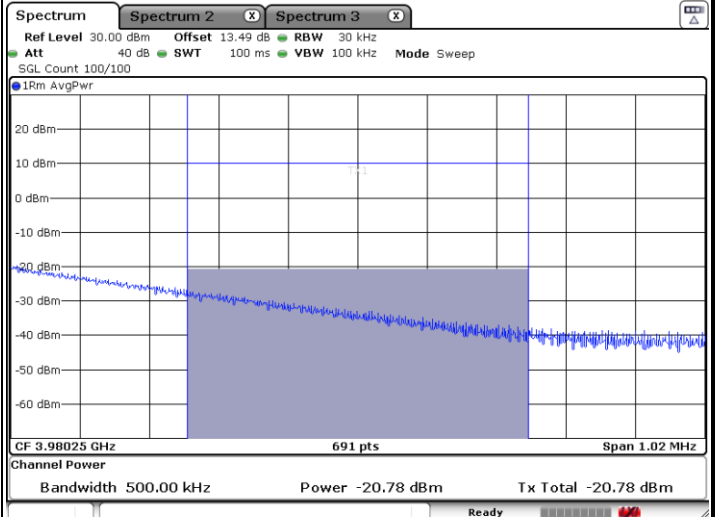


Date: 22.FEB.2022 12:48:13

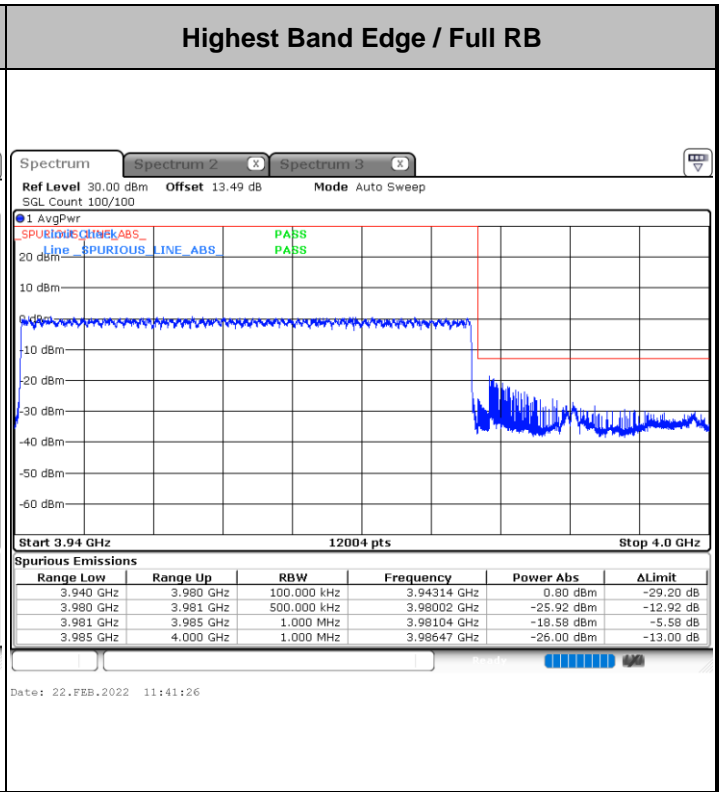
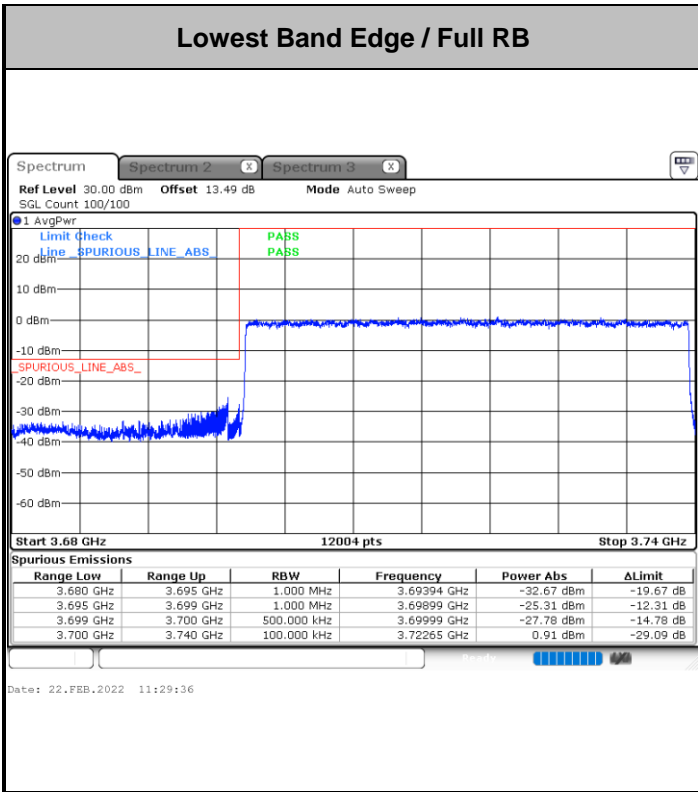
Date: 22.FEB.2022 12:48:13



Date: 22.FEB.2022 13:54:56



Date: 22.FEB.2022 14:08:24

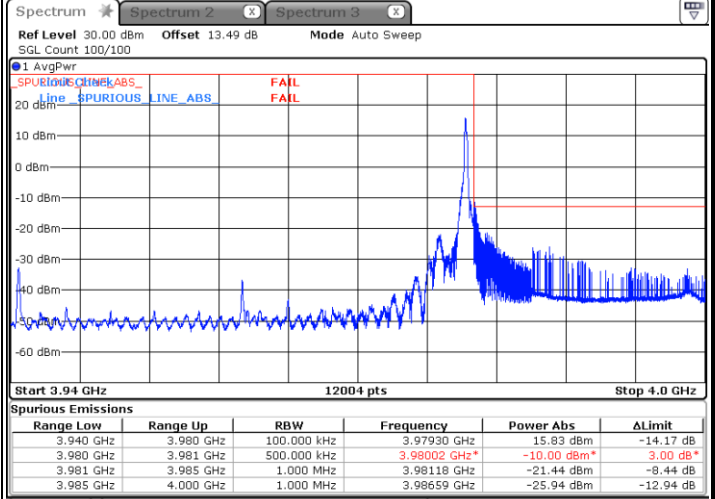
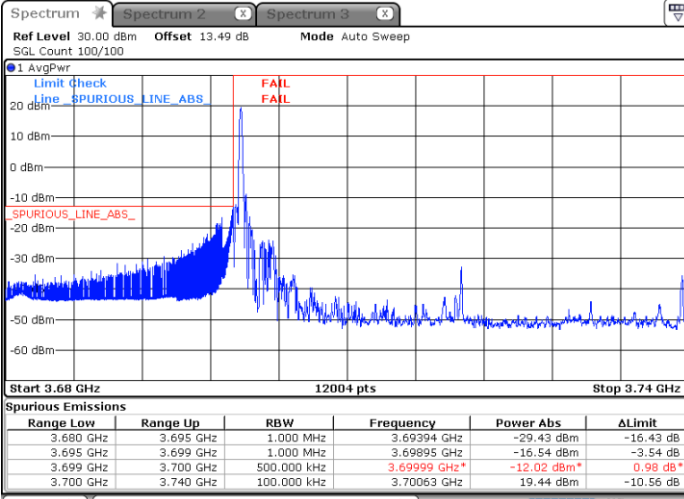




FR1 n77 / 40MHz / DFT-S OFDM / QPSK

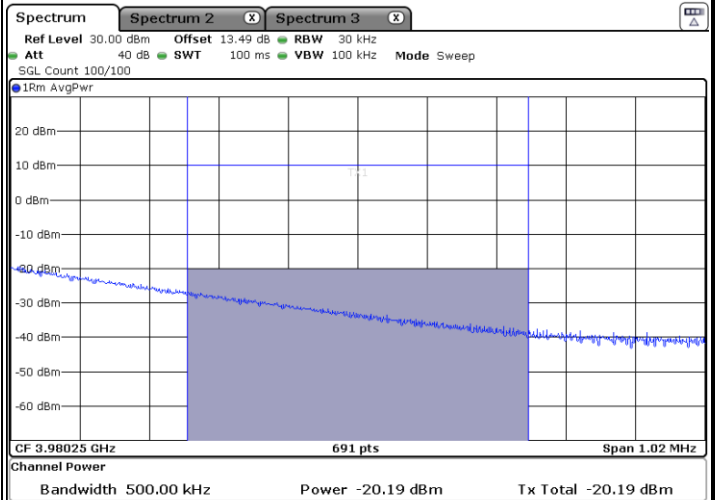
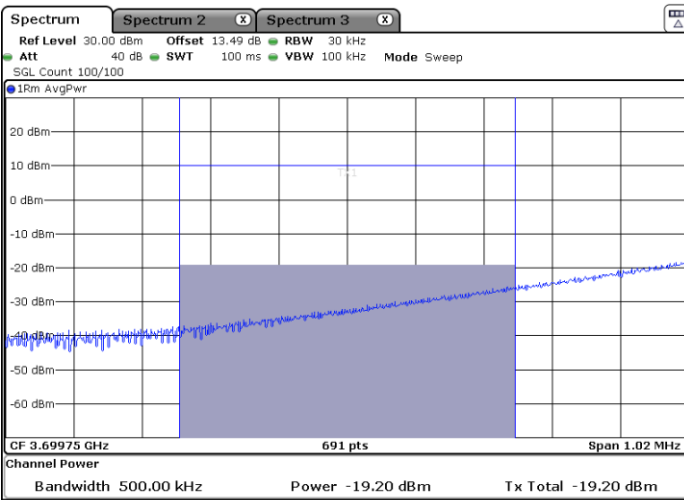
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



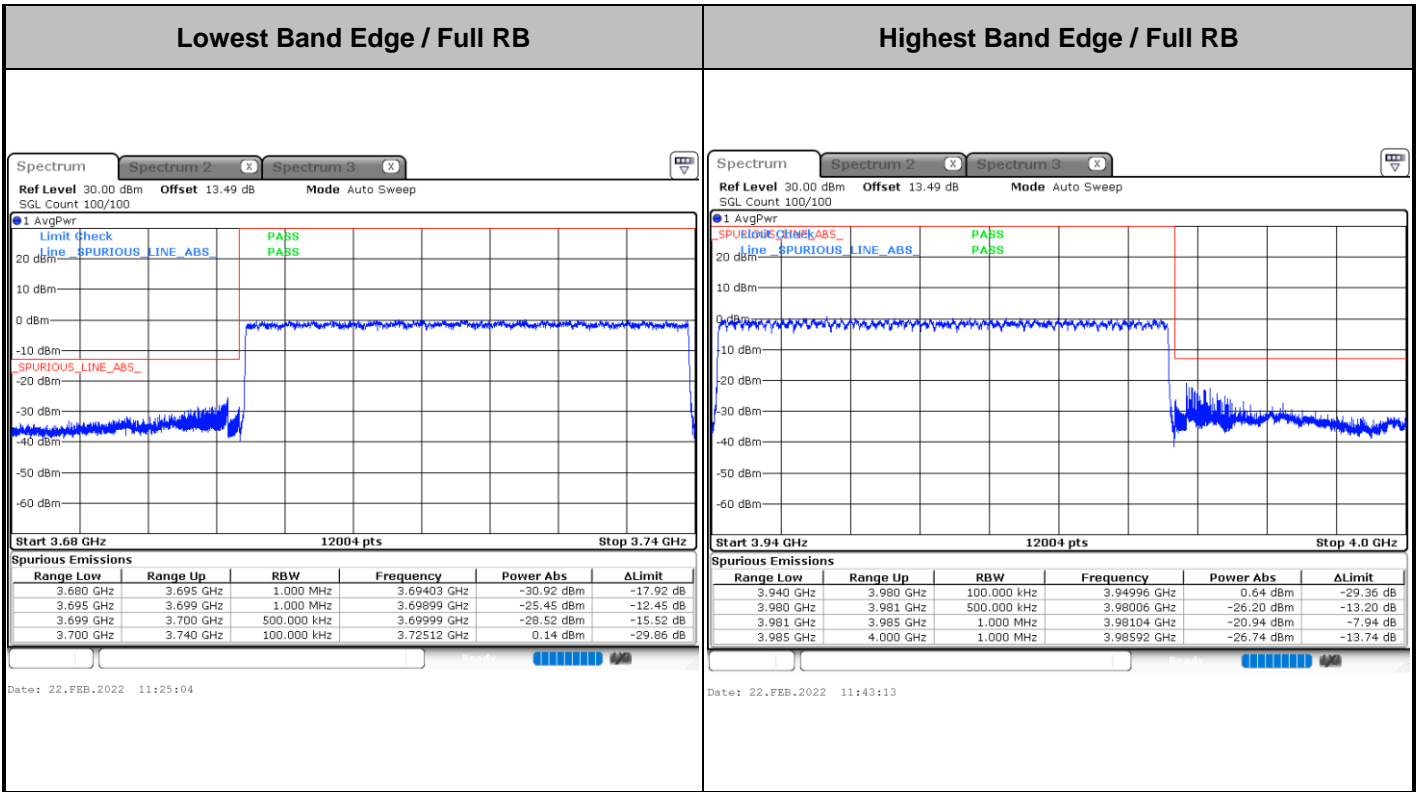
Date: 22.FEB.2022 10:53:08

Date: 22.FEB.2022 12:46:51



Date: 22.FEB.2022 13:55:21

Date: 22.FEB.2022 14:07:45

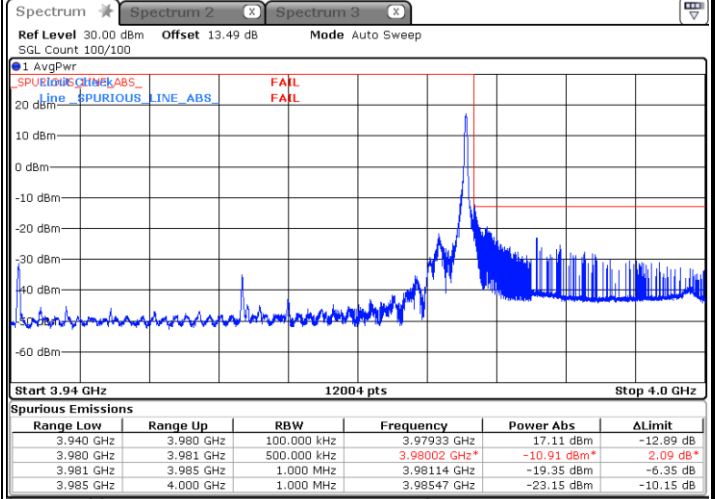
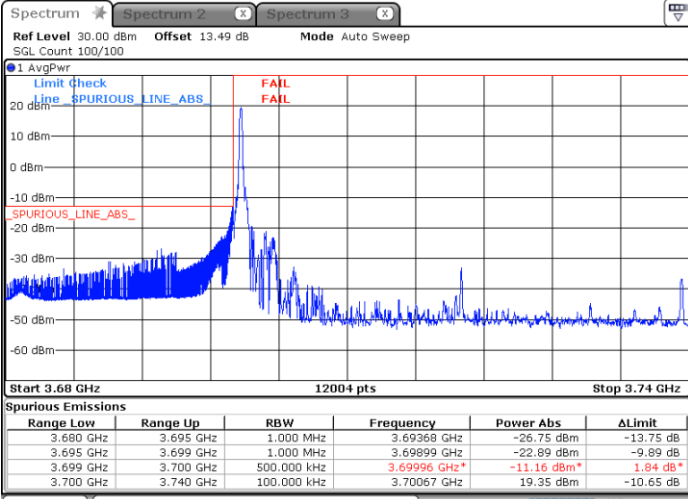




FR1 n77 / 40MHz / DFT-S OFDM / 16Q

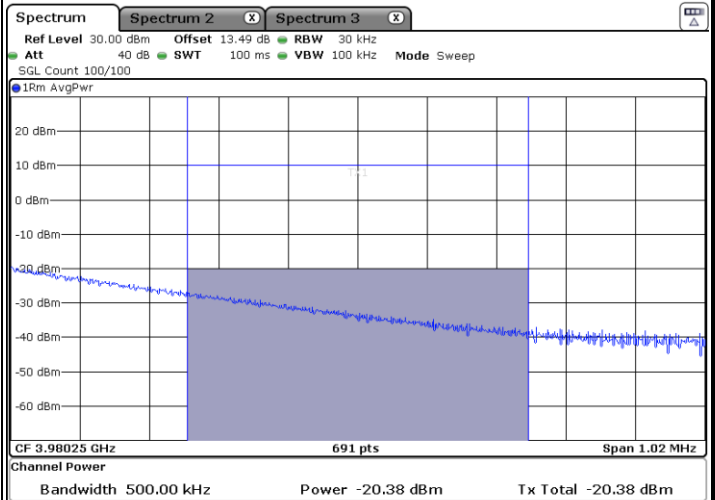
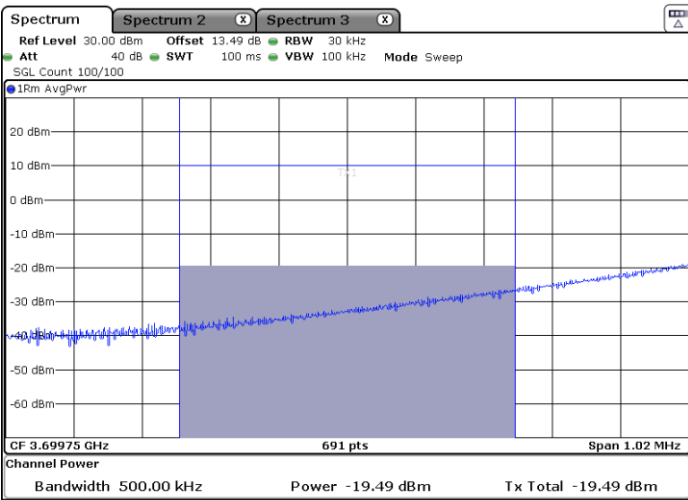
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



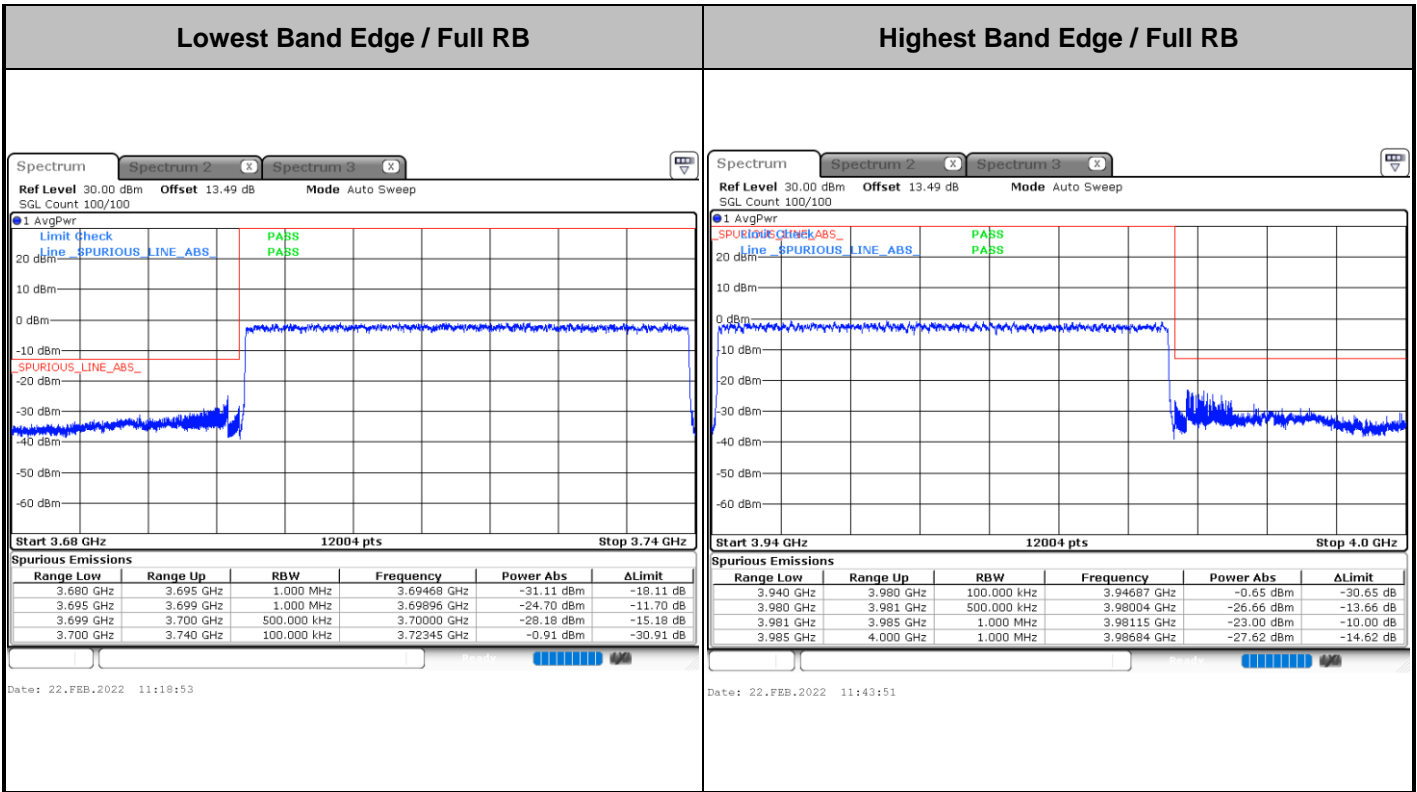
Date: 22.FEB.2022 10:56:14

Date: 22.FEB.2022 12:45:18



Date: 22.FEB.2022 13:55:49

Date: 22.FEB.2022 14:07:16

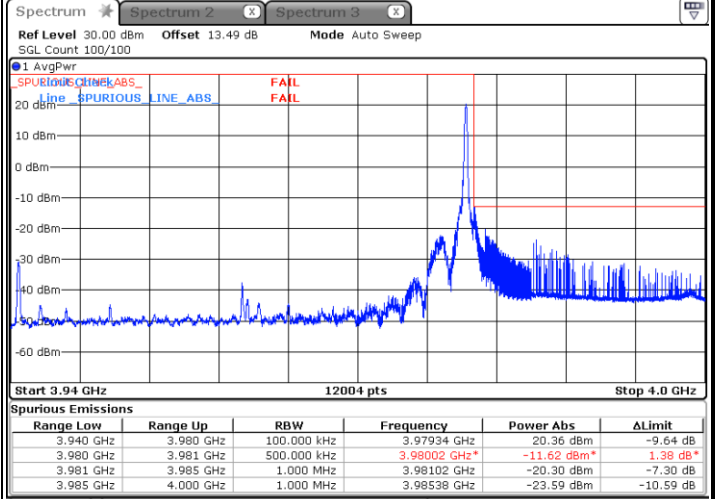
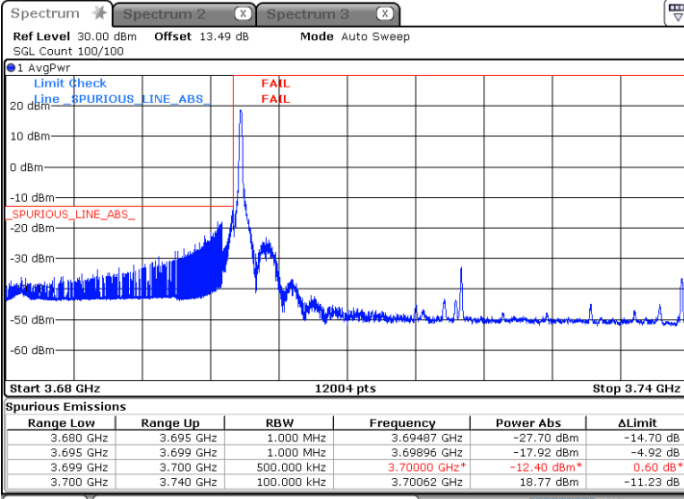




FR1 n77 / 40MHz / DFT-S OFDM / 64Q

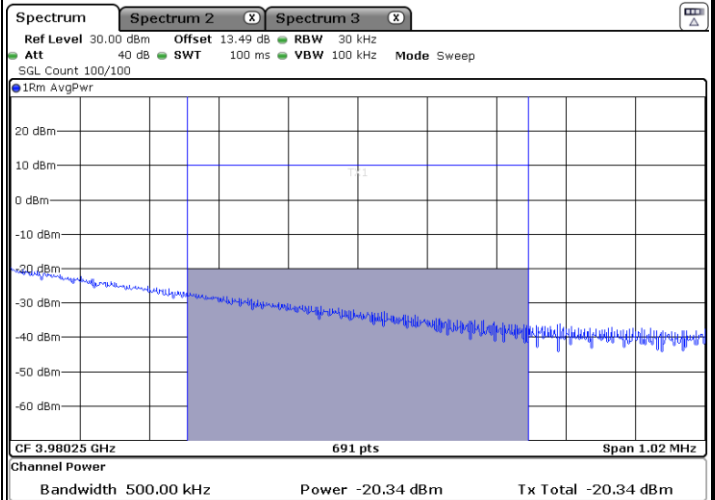
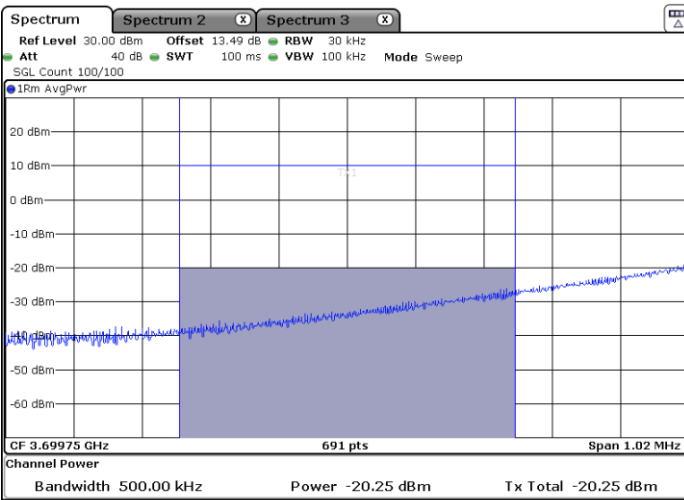
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Date: 22.FEB.2022 10:58:02

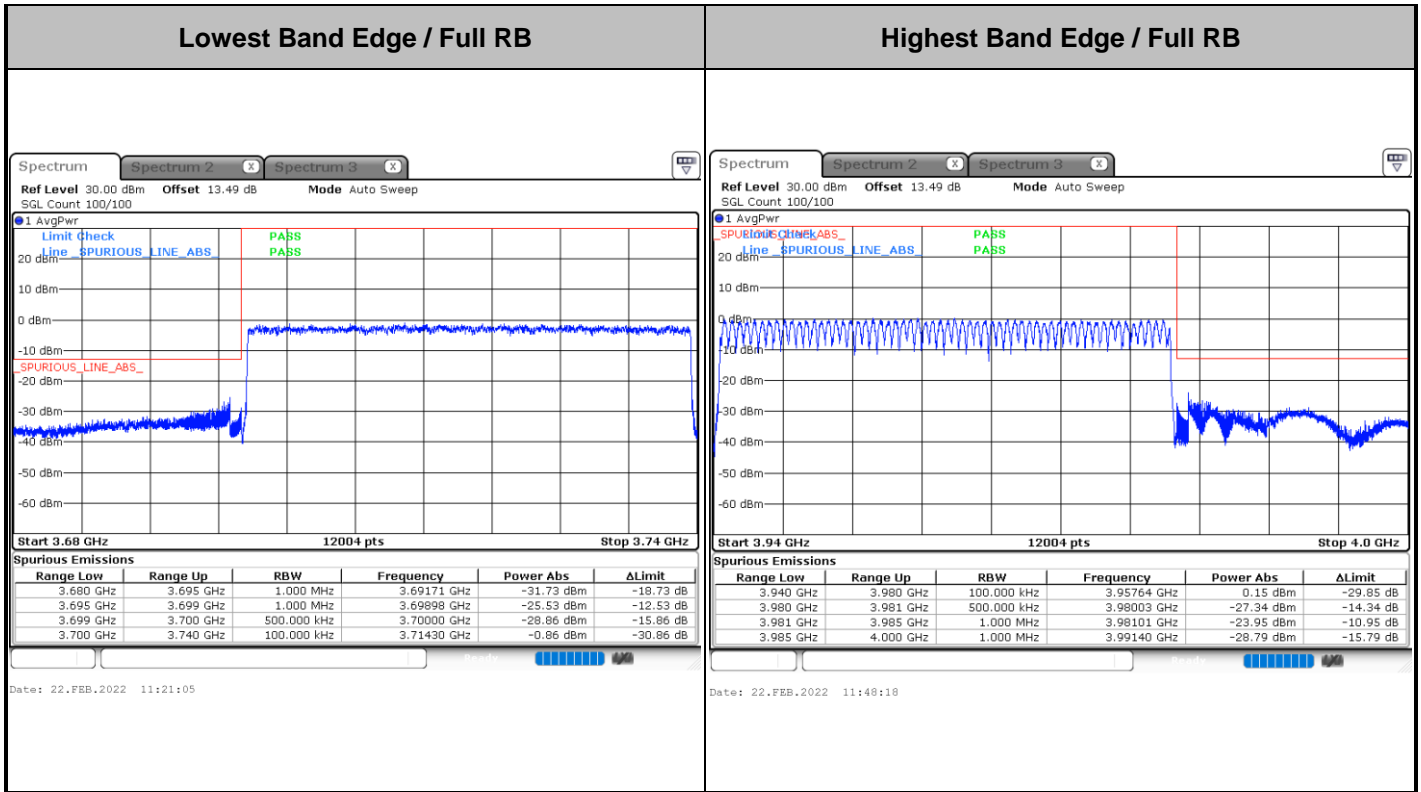
Date: 22.FEB.2022 12:43:49



Date: 22.FEB.2022 13:56:14

Date: 22.FEB.2022 14:06:46



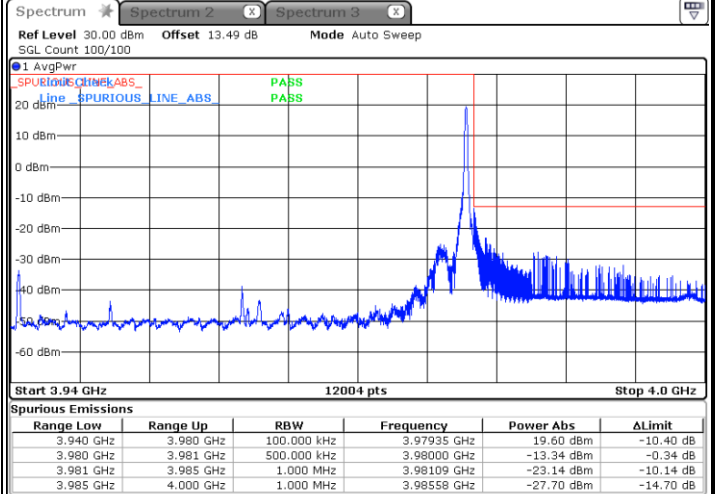
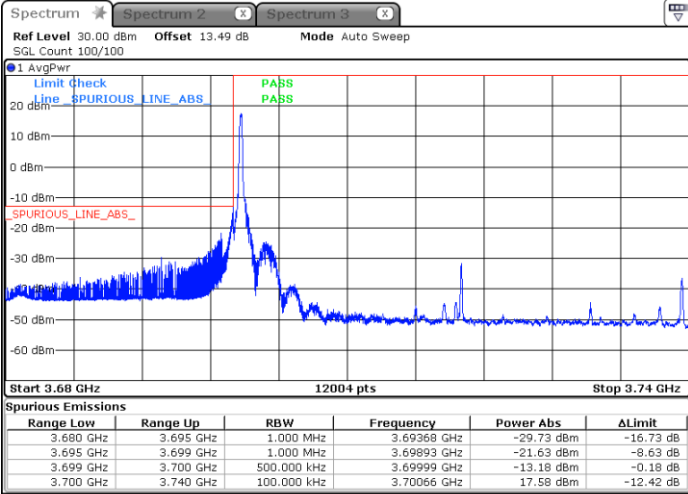




FR1 n77 /40MHz / DFT-S OFDM / 256Q

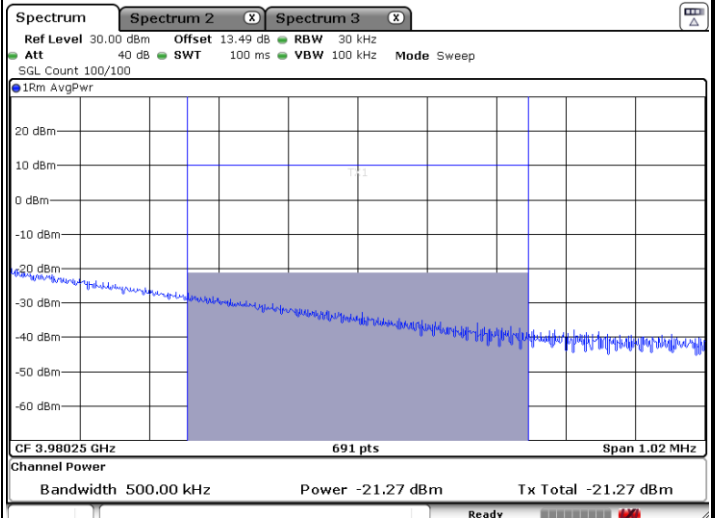
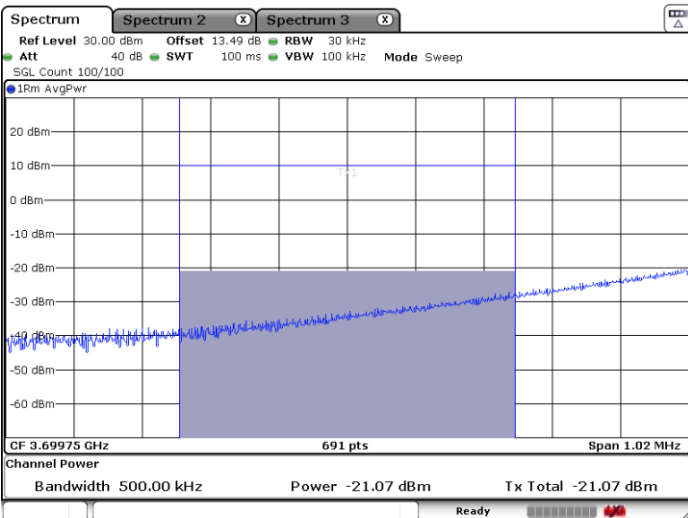
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



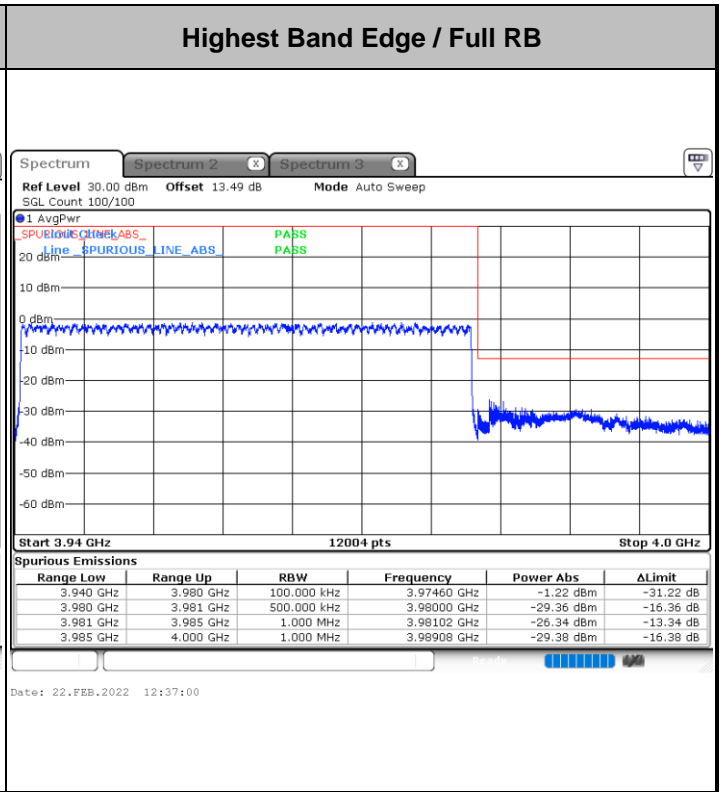
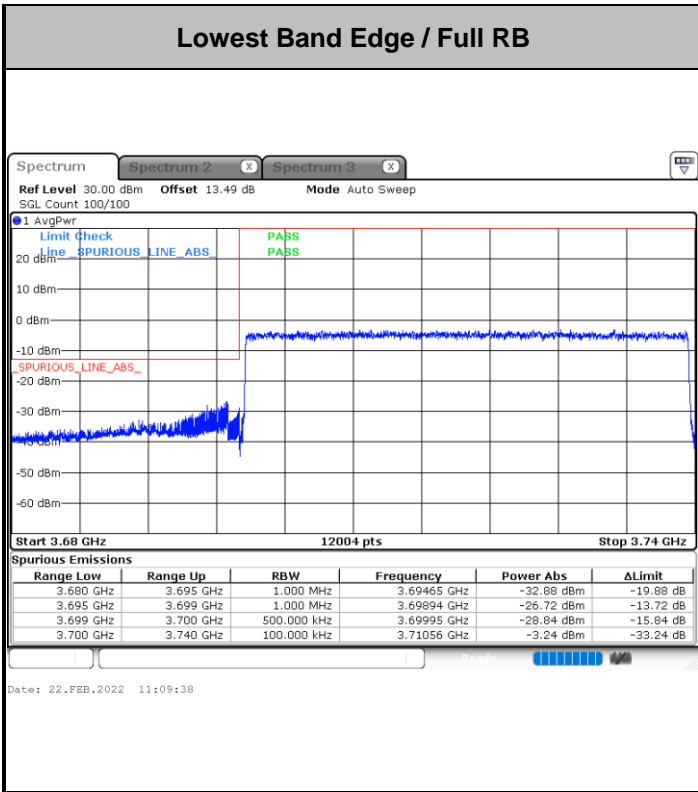
Date: 22.FEB.2022 11:01:13

Date: 22.FEB.2022 12:41:54



Date: 22.FEB.2022 13:56:44

Date: 22.FEB.2022 13:58:31

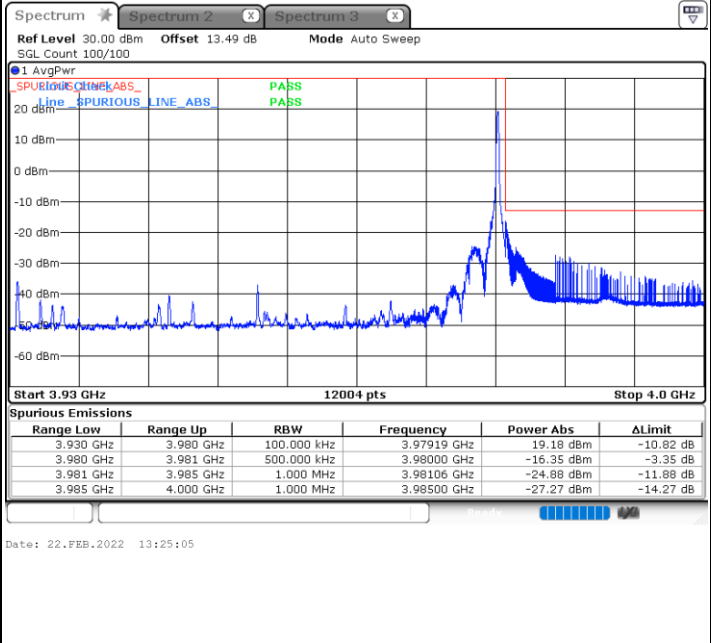
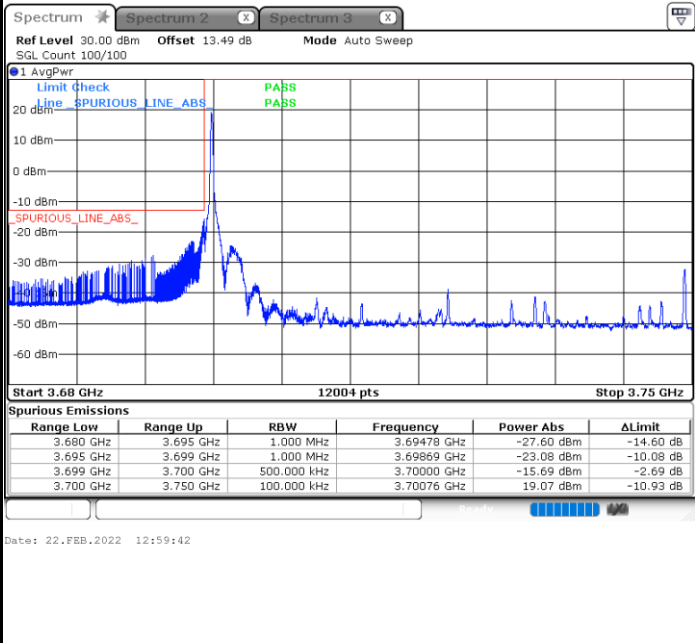




FR1 n77 / 50MHz / DFT-S OFDM / BPSK

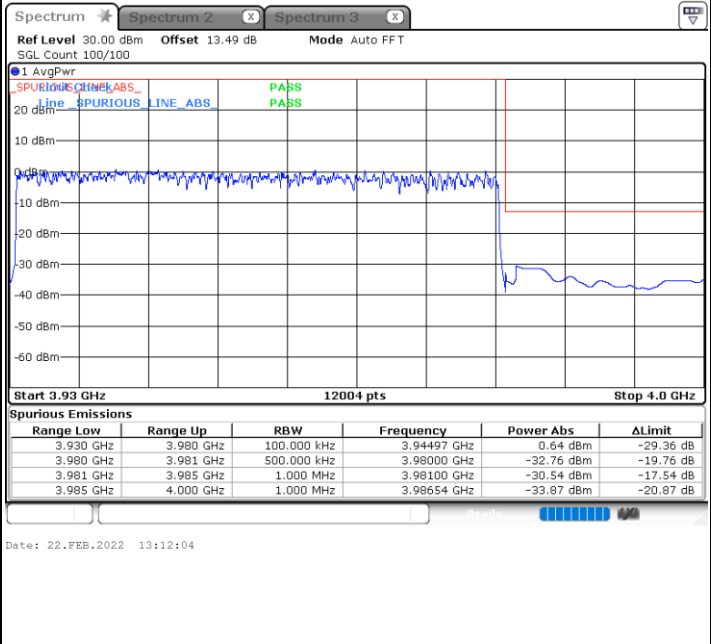
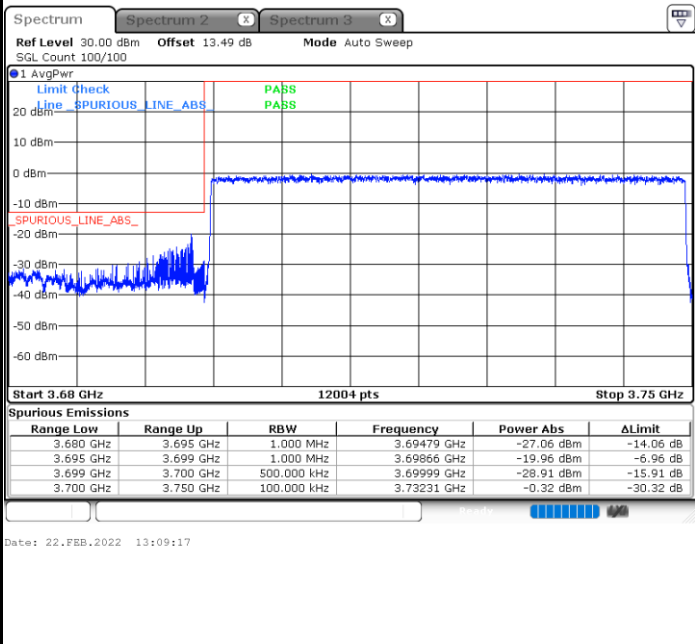
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

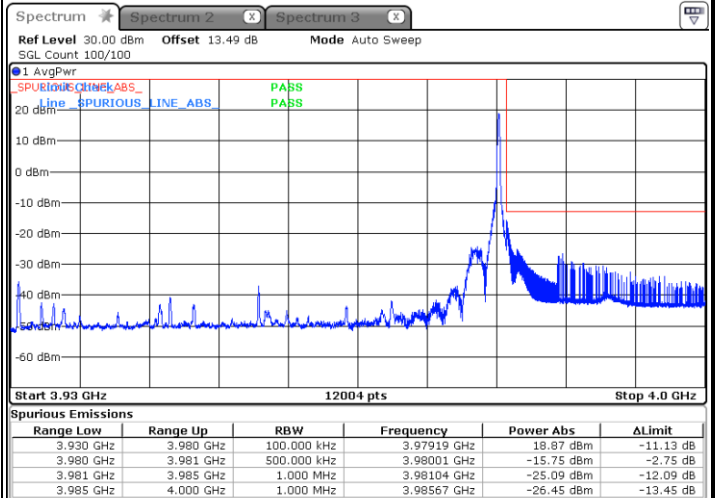
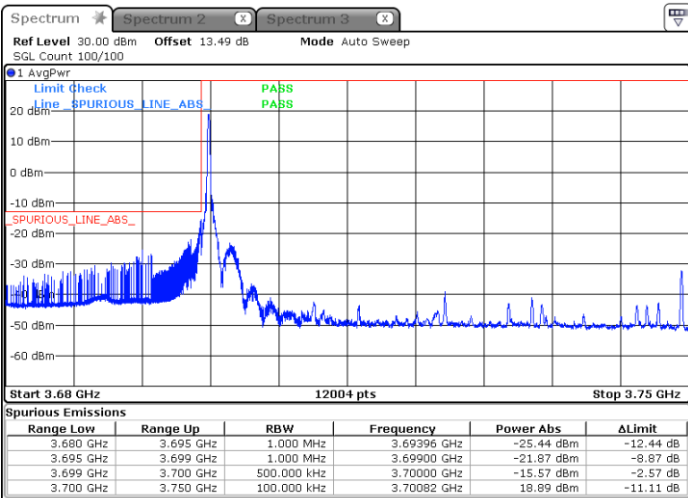




FR1 n77 / 50MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

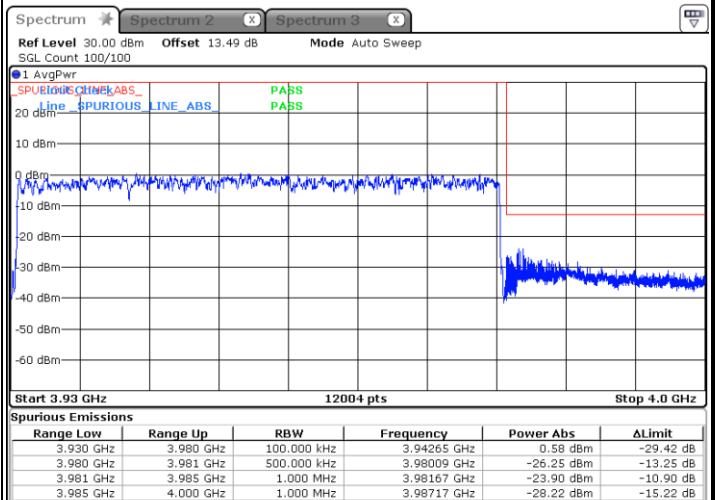
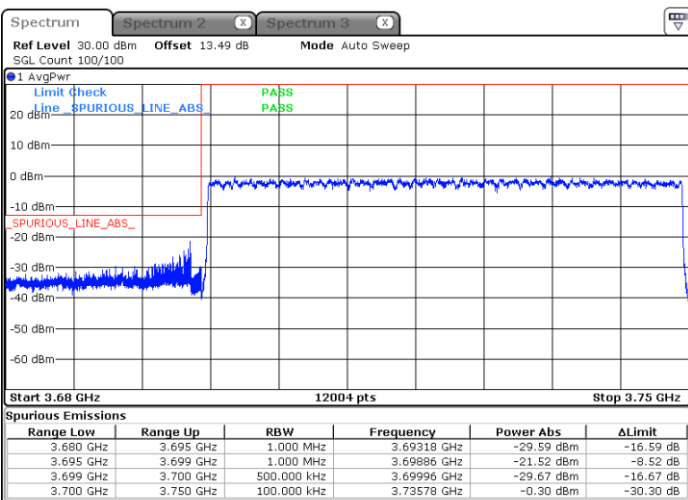


Date: 22.FEB.2022 13:01:16

Date: 22.FEB.2022 13:22:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22.FEB.2022 13:08:03

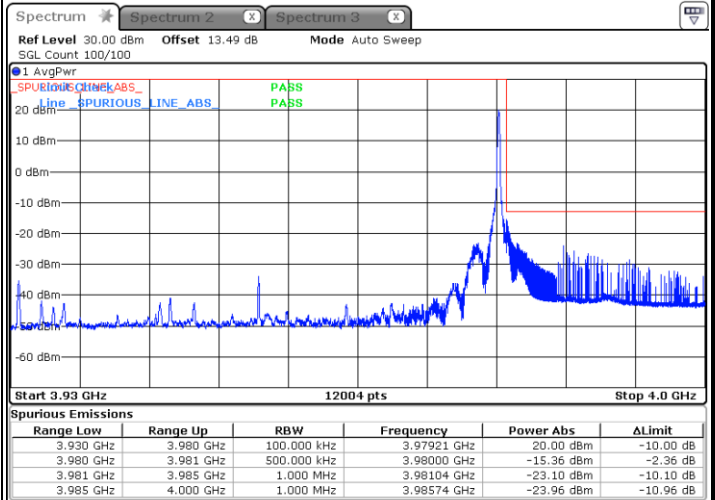
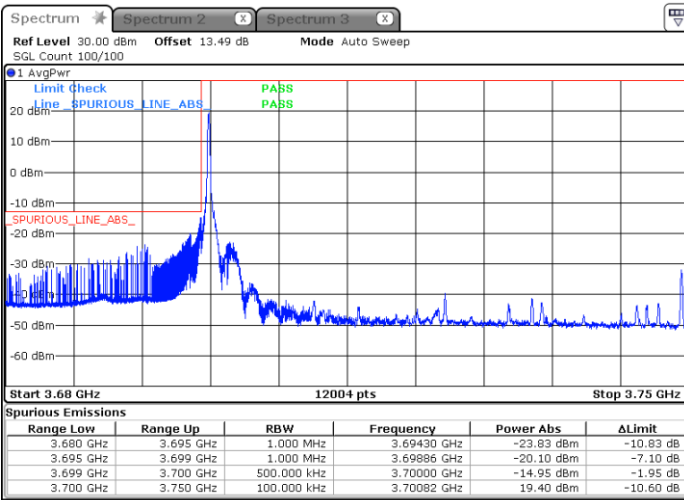
Date: 22.FEB.2022 13:12:58



FR1 n77 / 50MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

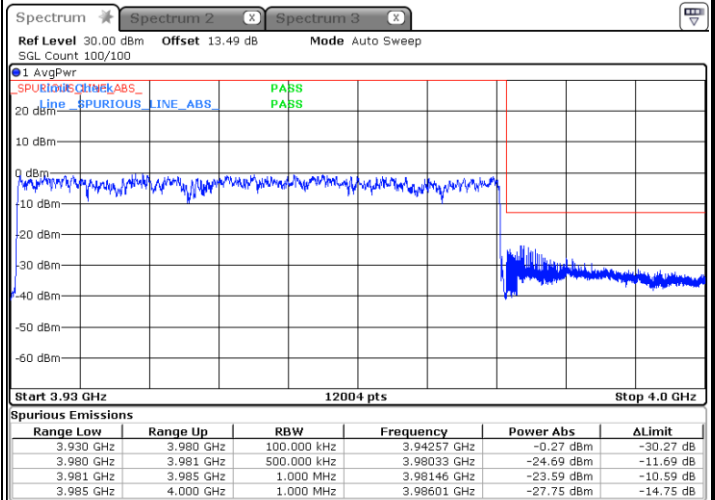
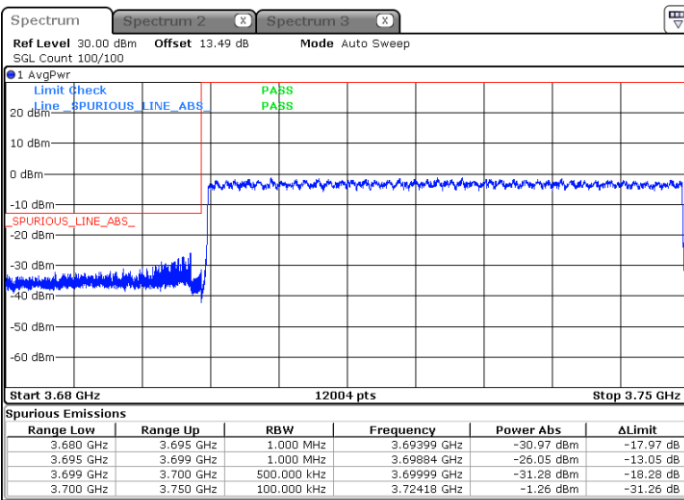


Date: 22.FEB.2022 13:02:32

Date: 22.FEB.2022 13:20:53

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22.FEB.2022 13:07:18

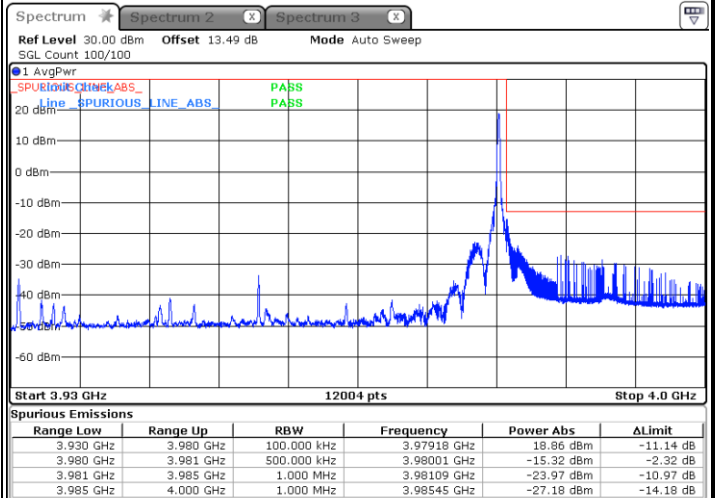
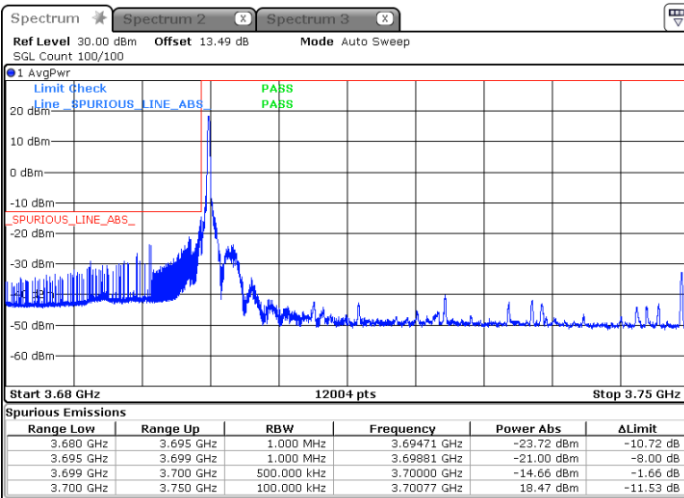
Date: 22.FEB.2022 13:14:07



FR1 n77 / 50MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

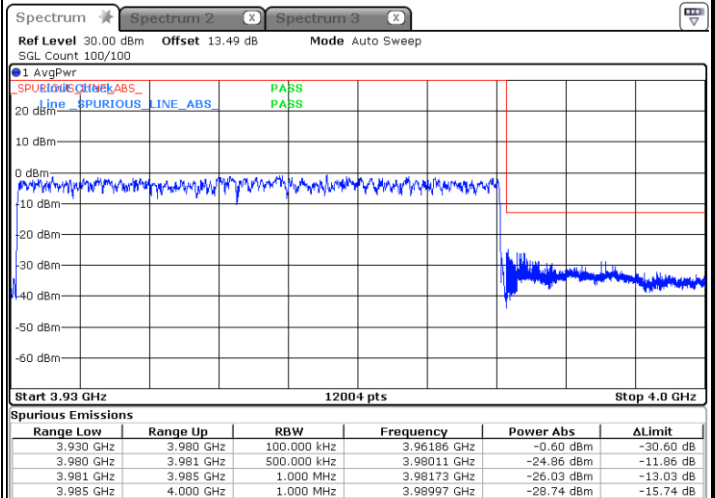
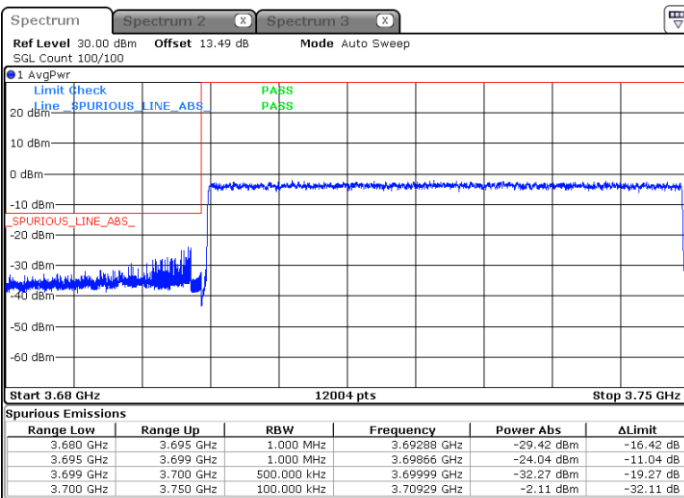


Date: 22.FEB.2022 13:03:48

Date: 22.FEB.2022 13:19:14

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22.FEB.2022 13:06:31

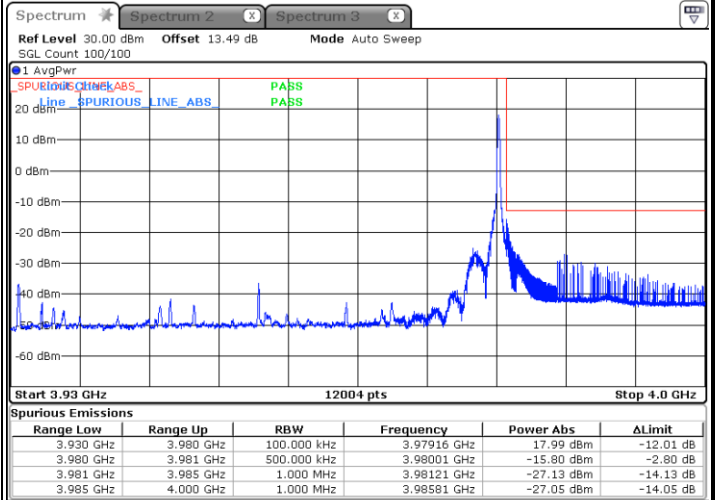
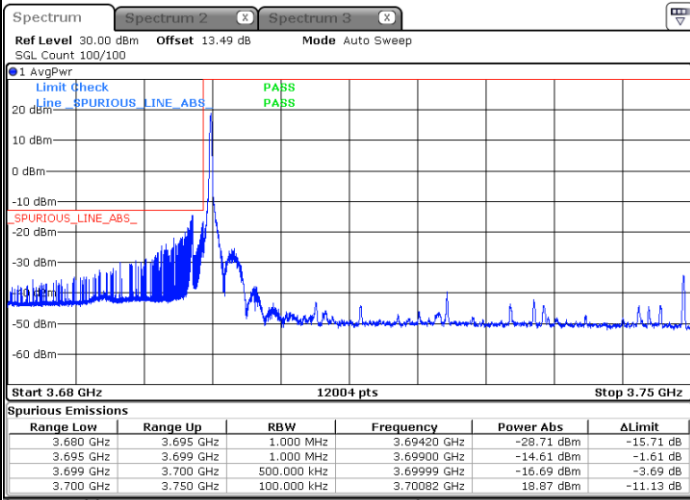
Date: 22.FEB.2022 13:15:02



FR1 n77 /50MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

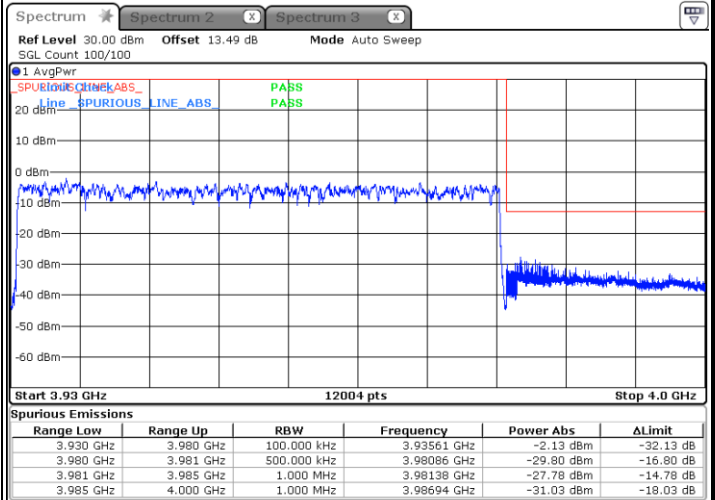
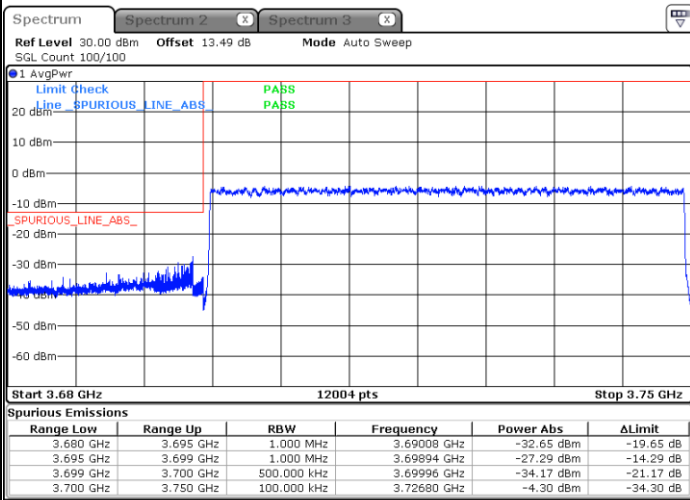


Date: 22.FEB.2022 13:04:48

Date: 22.FEB.2022 13:17:19

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22.FEB.2022 13:05:42

Date: 22.FEB.2022 13:15:41



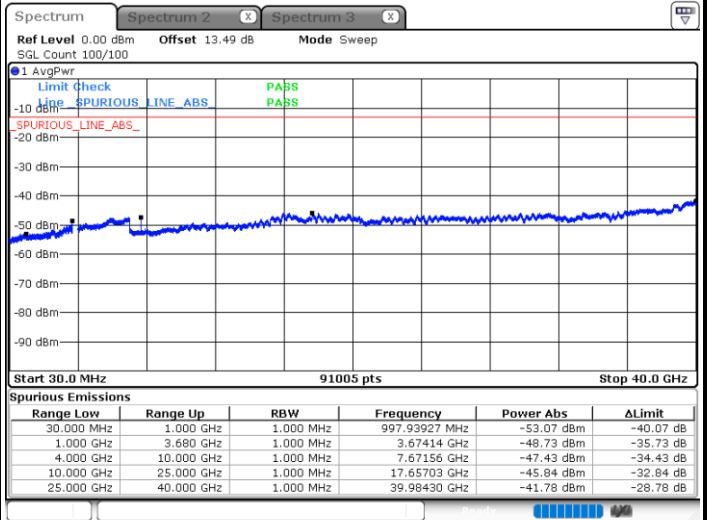
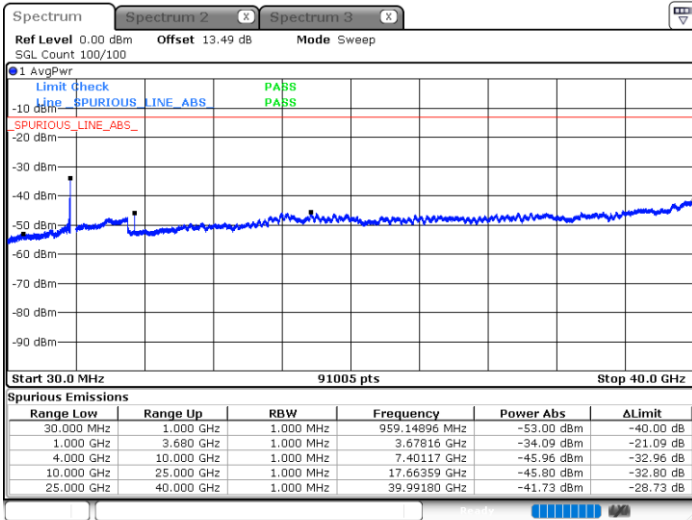


# Conducted Spurious Emission

## FR1 n77 / 10MHz / DFT-S OFDM / QPSK

### Lowest Channel / 1RB1

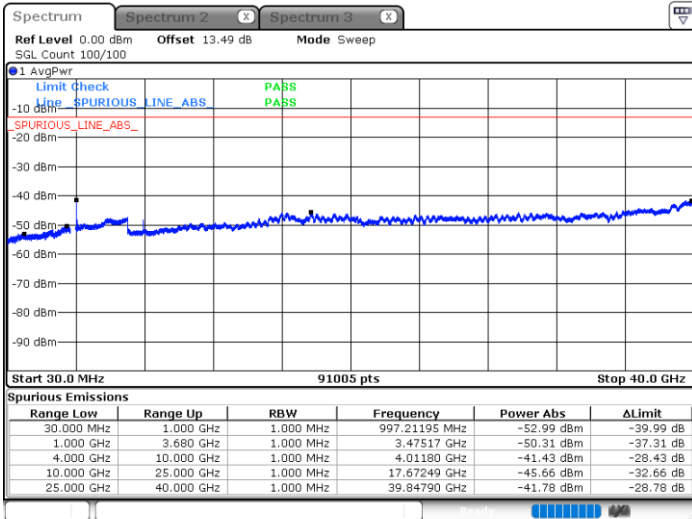
### Middle Channel / 1RB1



Date: 22.FEB.2022 06:26:50

Date: 22.FEB.2022 06:28:15

### Highest Channel / 1RB1



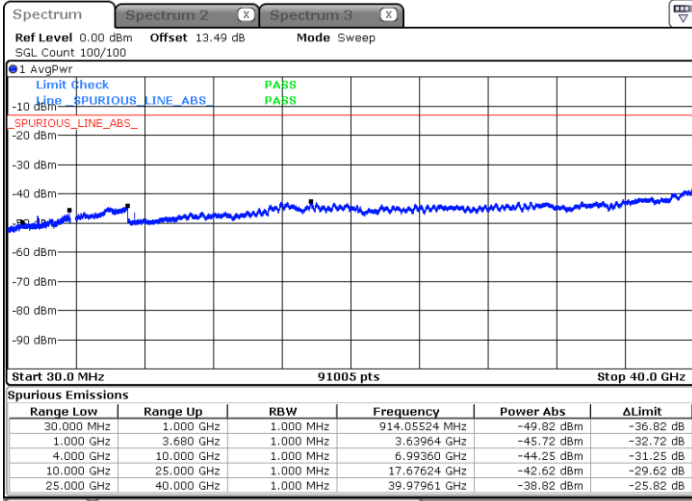
Date: 22.FEB.2022 06:29:37



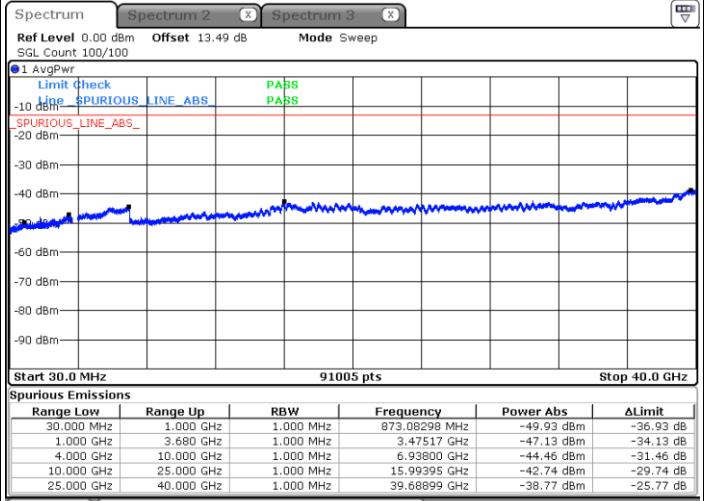
FR1 n77 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

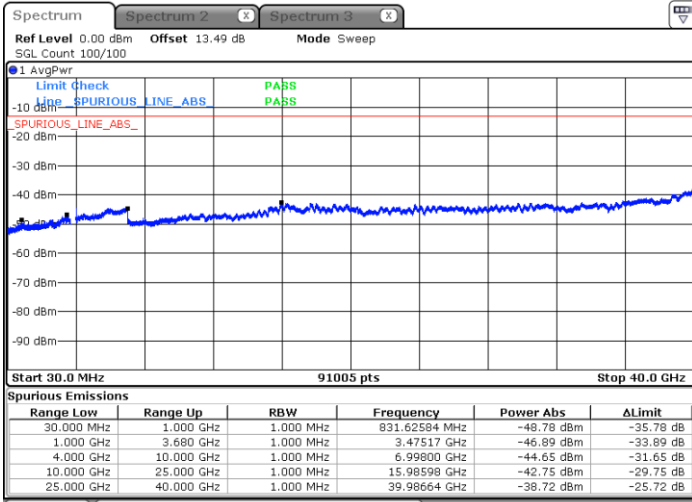


Date: 22.FEB.2022 09:24:09



Date: 22.FEB.2022 09:21:39

Highest Channel / 1RB1



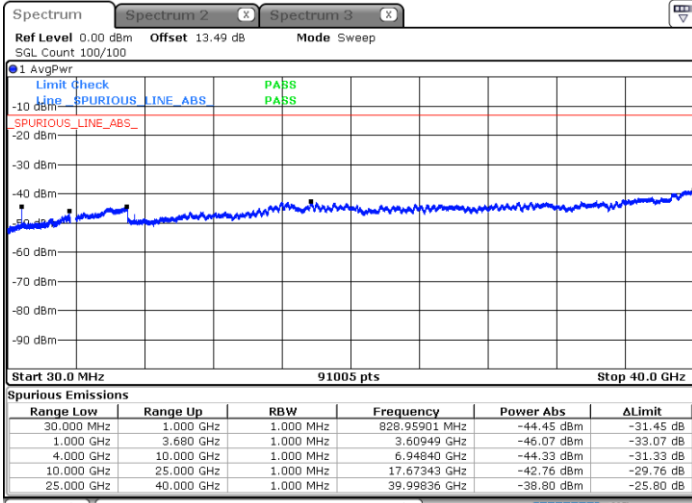
Date: 22.FEB.2022 09:26:21



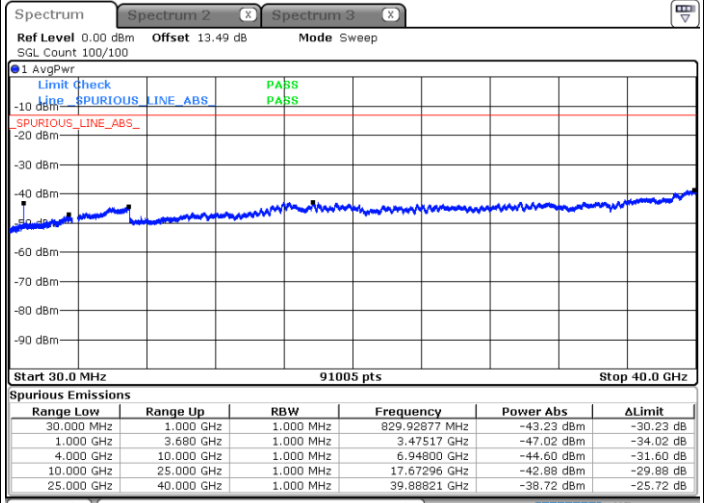
FR1 n77 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

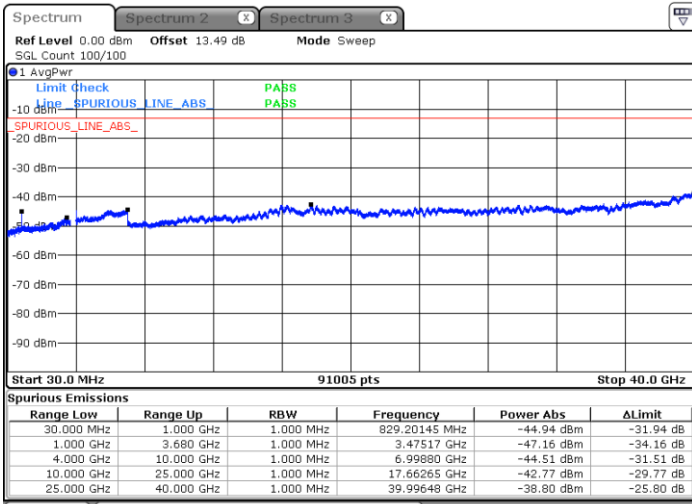


Date: 22.FEB.2022 10:43:11



Date: 22.FEB.2022 10:41:22

Highest Channel / 1RB1



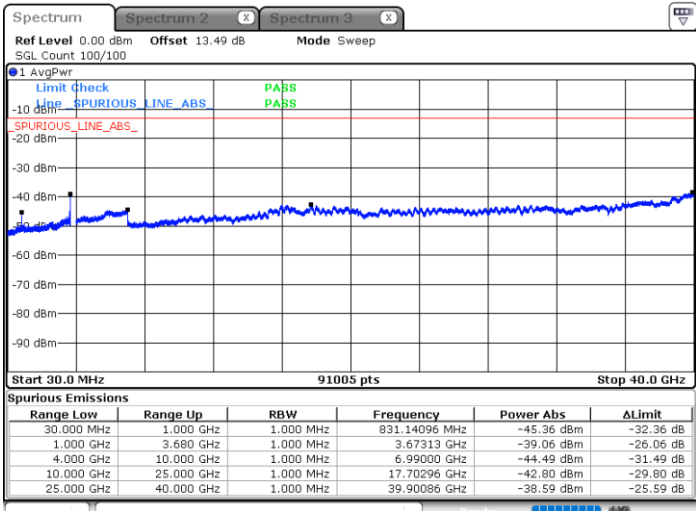
Date: 22.FEB.2022 10:39:58



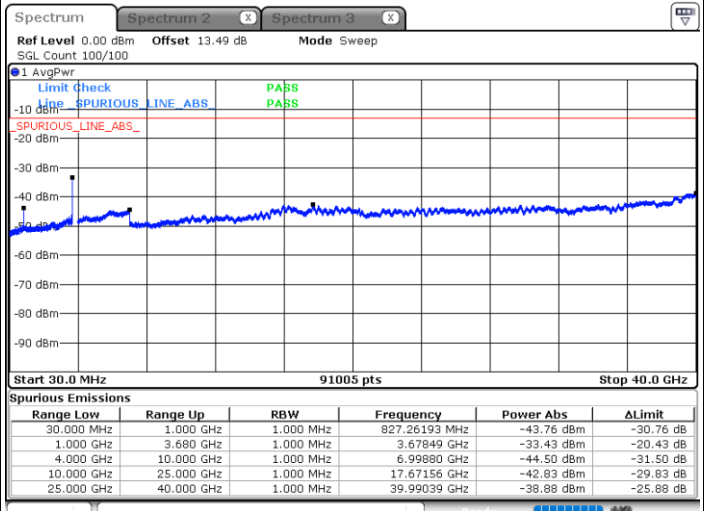
FR1 n77 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

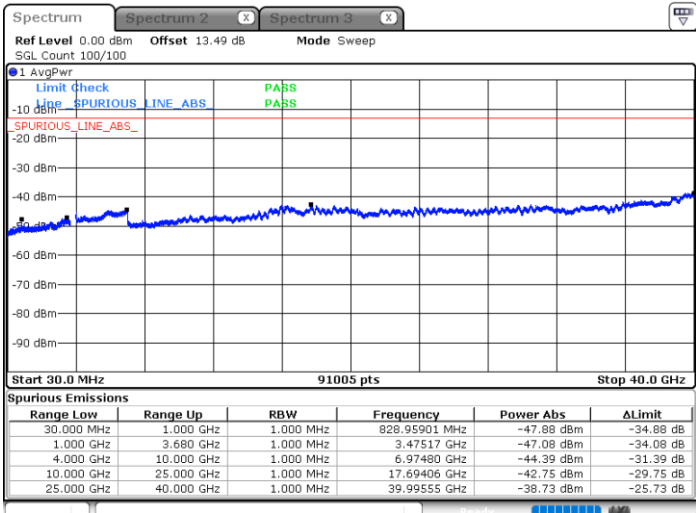


Date: 22.FEB.2022 10:46:37



Date: 22.FEB.2022 10:45:17

Highest Channel / 1RB1



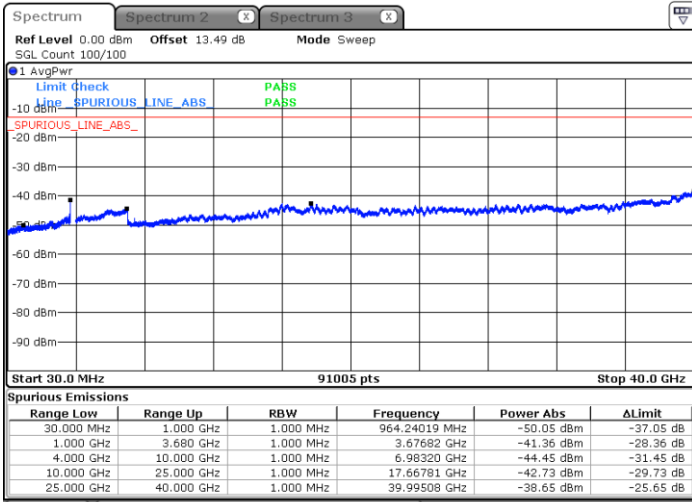
Date: 22.FEB.2022 10:48:06



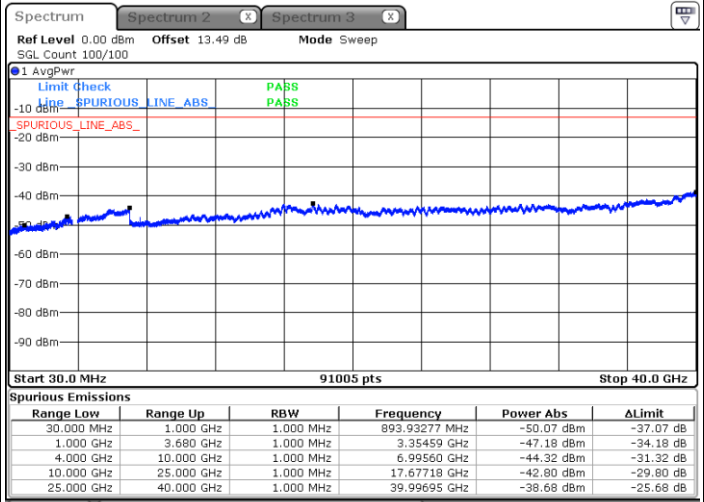
FR1 n77 / 50MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

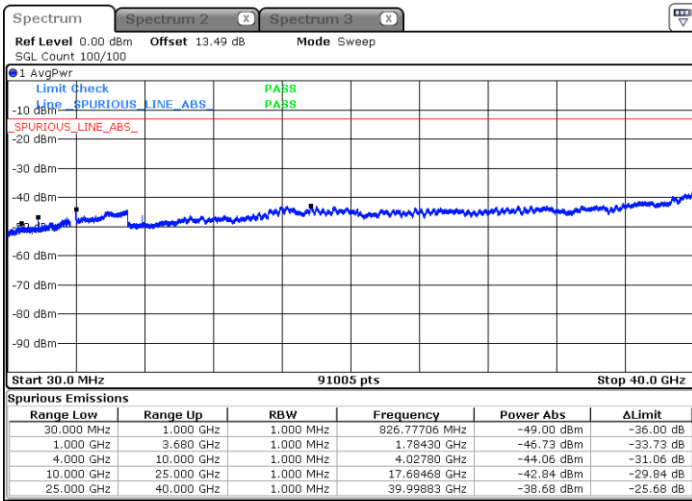


Date: 22.FEB.2022 12:55:27



Date: 22.FEB.2022 12:51:59

Highest Channel / 1RB1



Date: 22.FEB.2022 12:56:48



Frequency Stability

Test Conditions		FR1 n77 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 50MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0032	
-10	Normal Voltage	0.0073	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0011	
20	Battery End Point	0.0035	

Note:

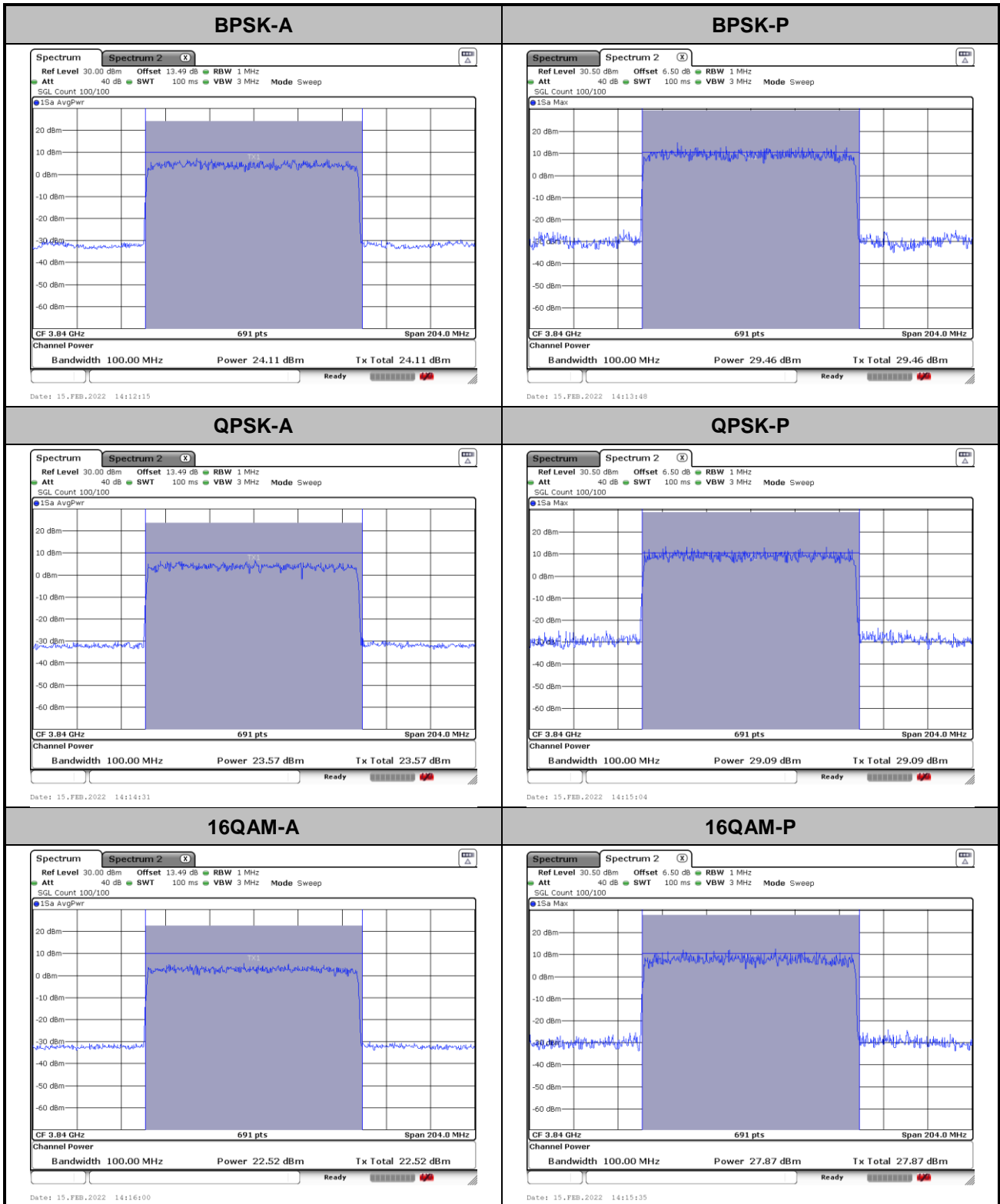
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



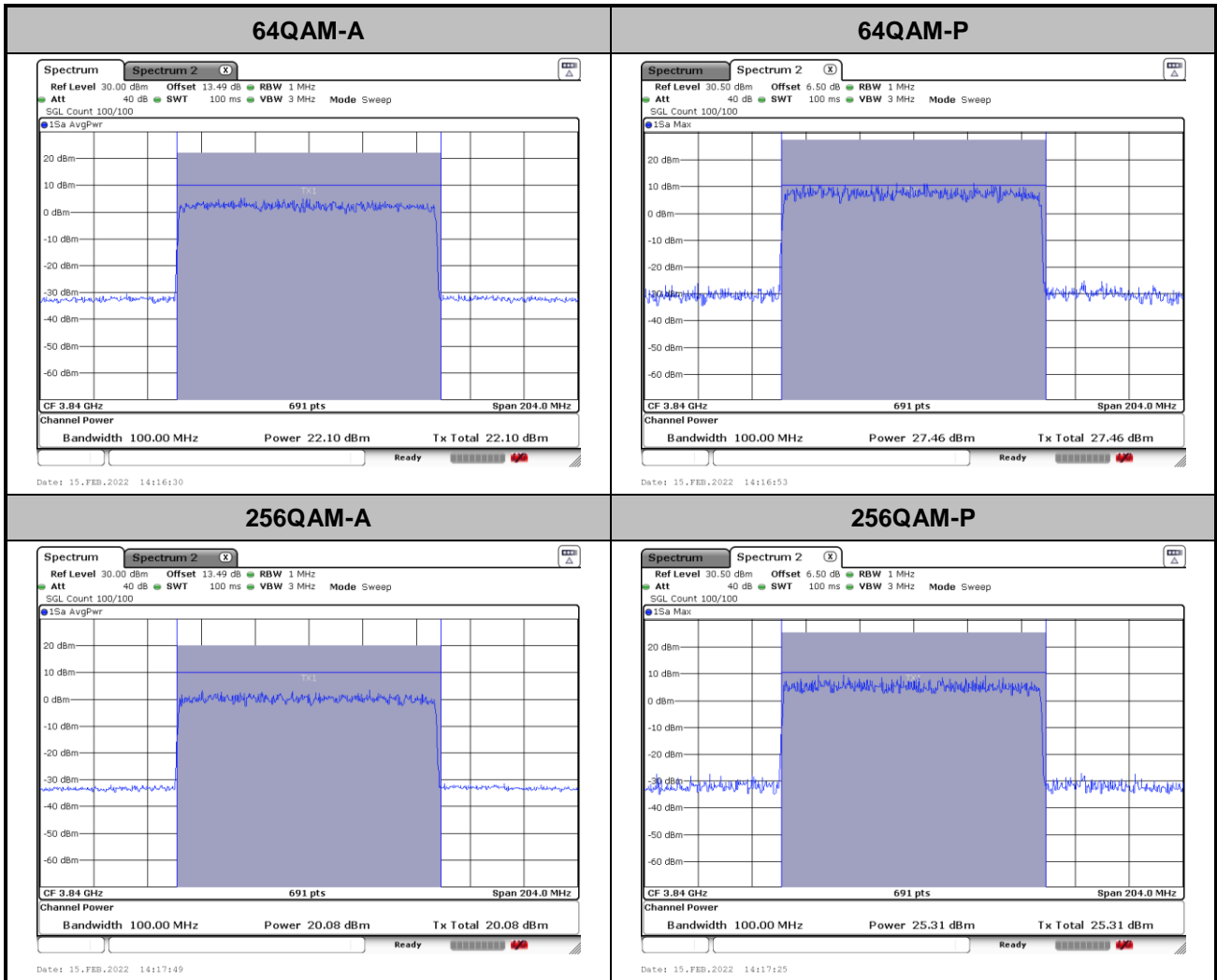
# FR1 n77 (SCS 30kHz)

## Peak-to-Average Ratio

Mode	FR1 n77 / 100MHz / DFT-S OFDM				
Mod.	100M				Limit: 13dB
RB Size	BPSK	QPSK	16QAM	64QAM	Result
Middle CH	5.35	5.52	5.35	5.36	PASS
RB Size	256QAM				
Middle CH	5.23				



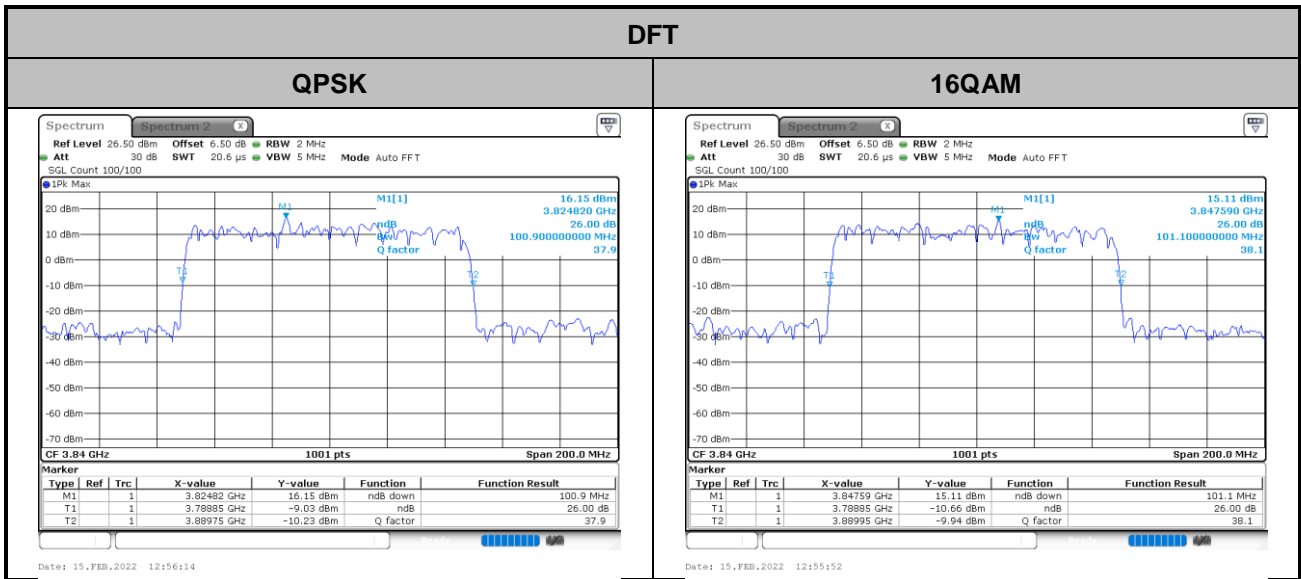






## 26dB Bandwidth

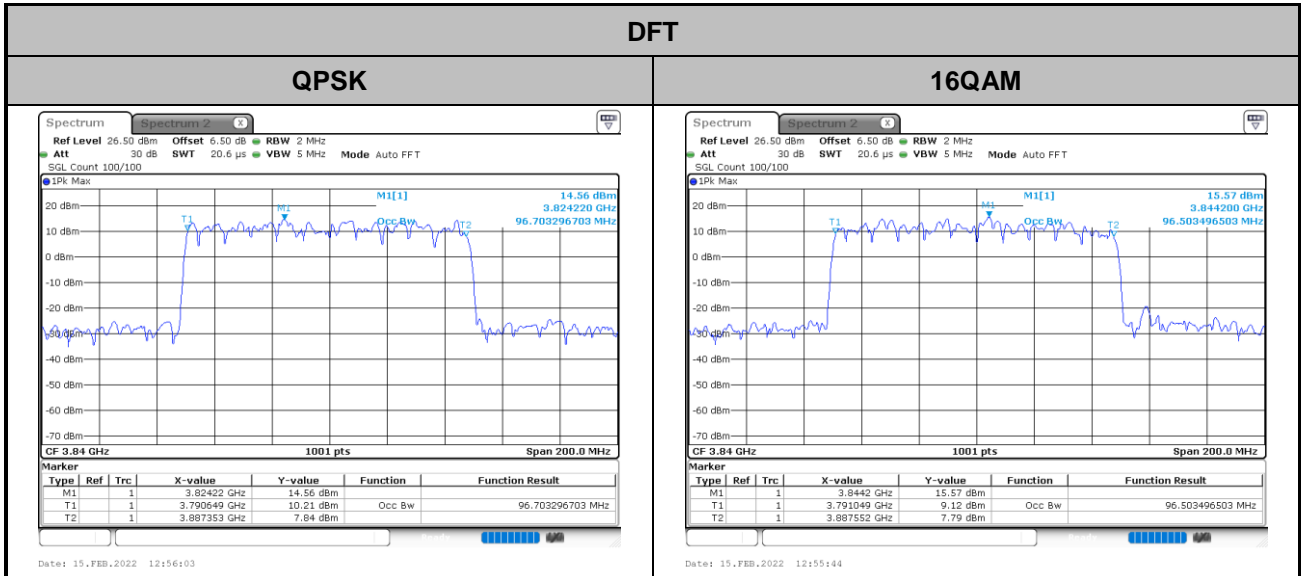
Mode	FR1 n77 : 100MHz / DFT-S OFDM	
BW	DFT	
Mod.	QPSK	16QAM
Middle CH	100.9	101.1





# Occupied Bandwidth

Mode	FR1 n77: 100MHz / DFT-S OFDM	
BW	DFT	
Mod.	QPSK	16QAM
Middle CH	96.70	96.50



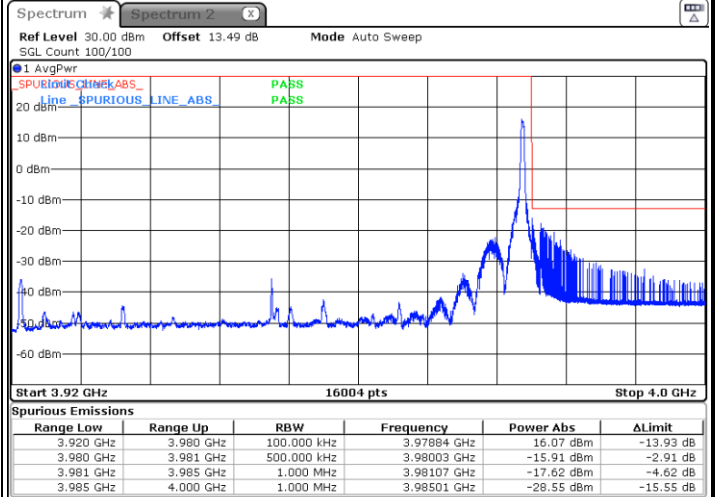
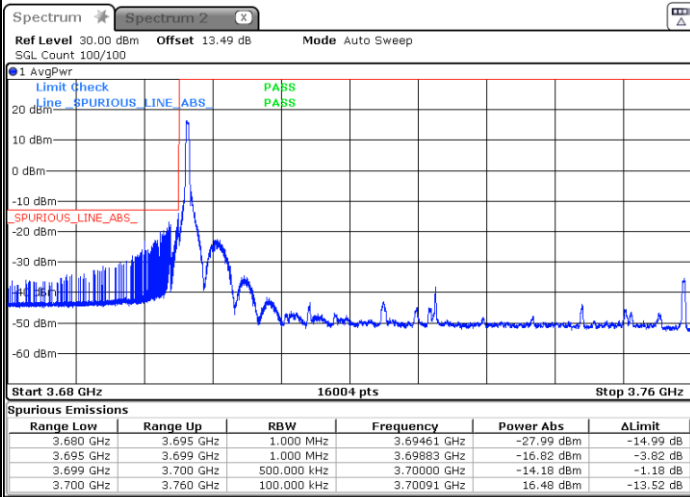


# Conducted Band Edge

FR1 n77/ 60MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

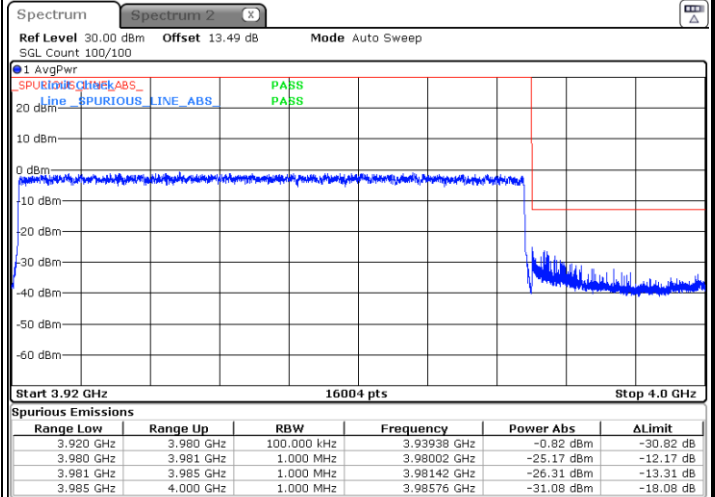
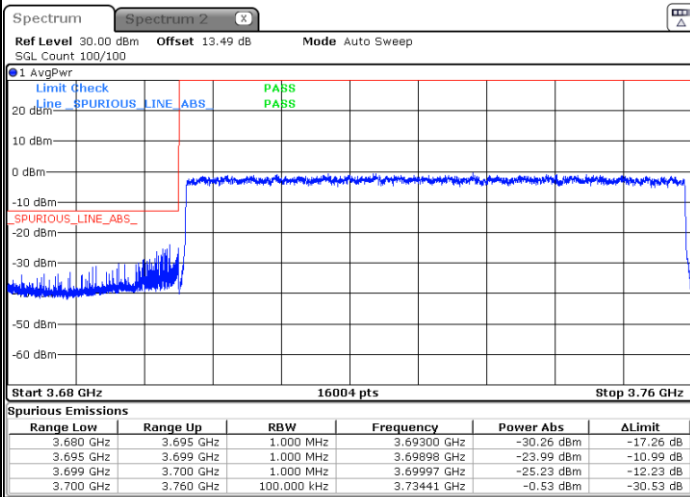


Date: 15.FEB.2022 16:47:19

Date: 15.FEB.2022 17:07:08

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15.FEB.2022 16:52:00

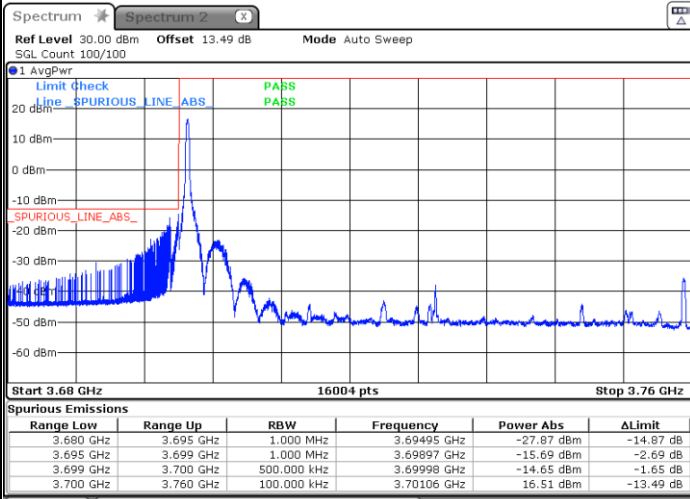
Date: 15.FEB.2022 17:14:34



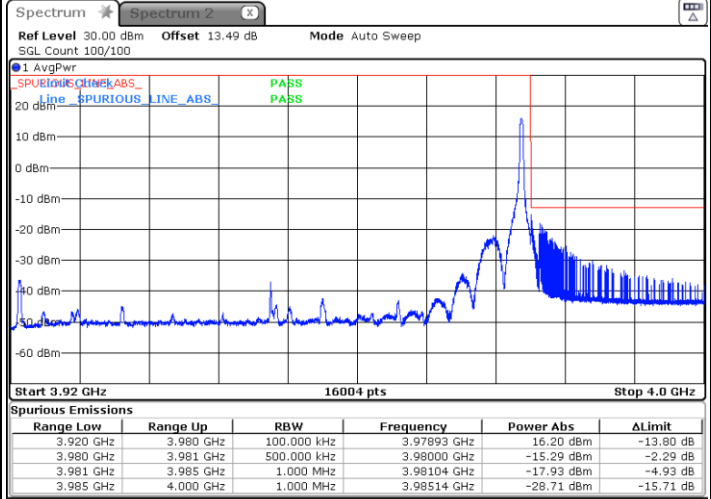
FR1 n77 / 60MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



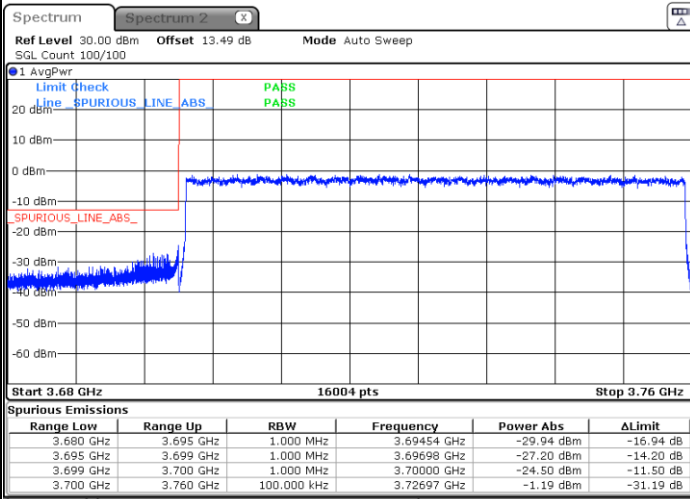
Date: 15.FEB.2022 16:38:58



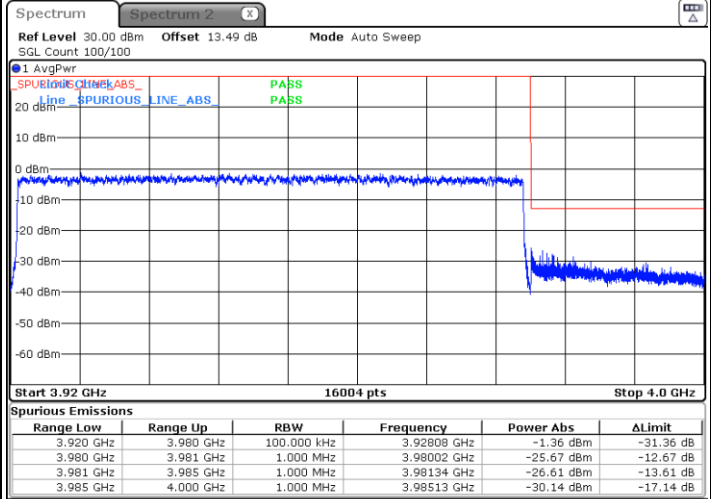
Date: 15.FEB.2022 17:08:07

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15.FEB.2022 16:51:10



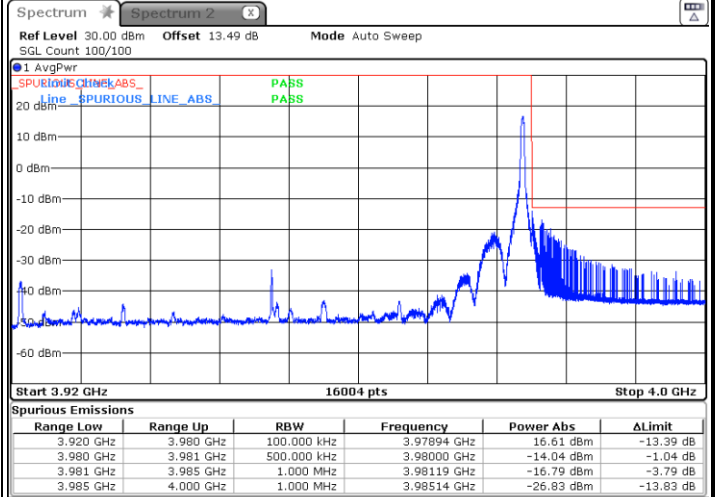
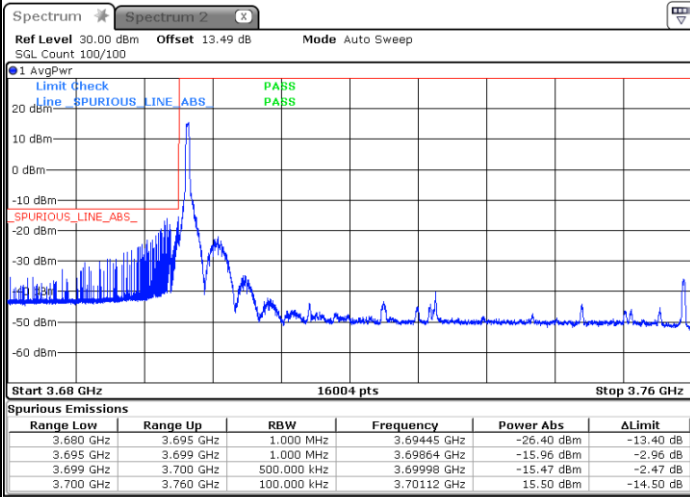
Date: 15.FEB.2022 17:13:49



FR1 n77 / 60MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

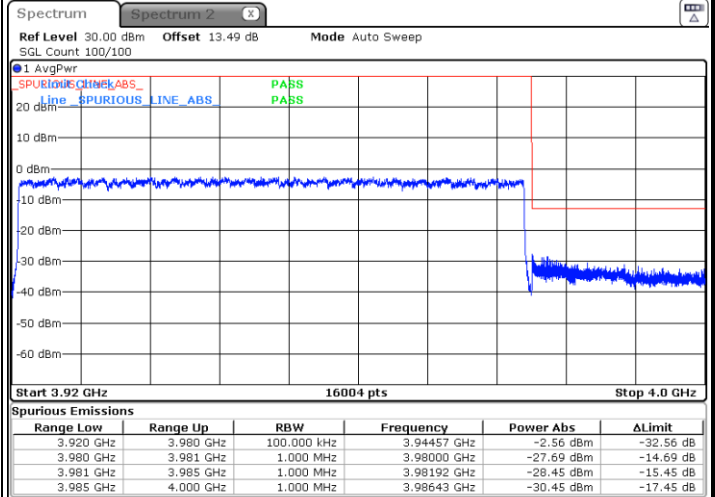
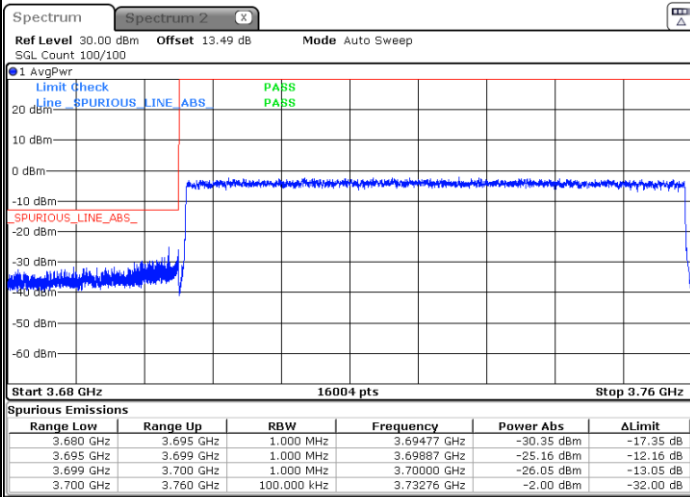


Date: 16.FEB.2022 09:21:48

Date: 15.FEB.2022 17:08:59

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



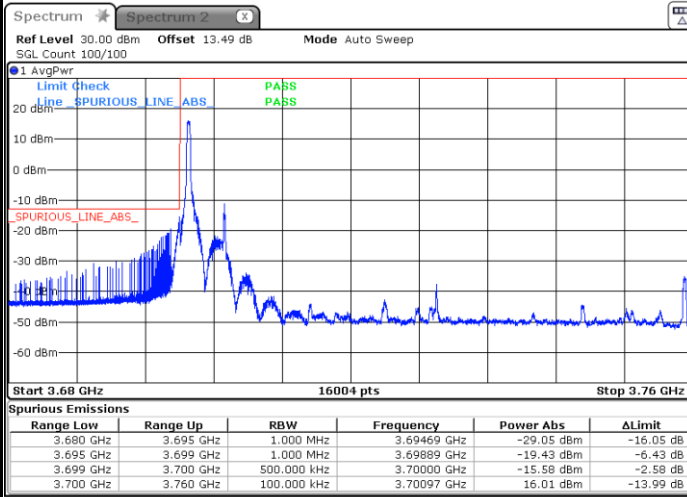
Date: 15.FEB.2022 16:50:31

Date: 15.FEB.2022 17:13:02



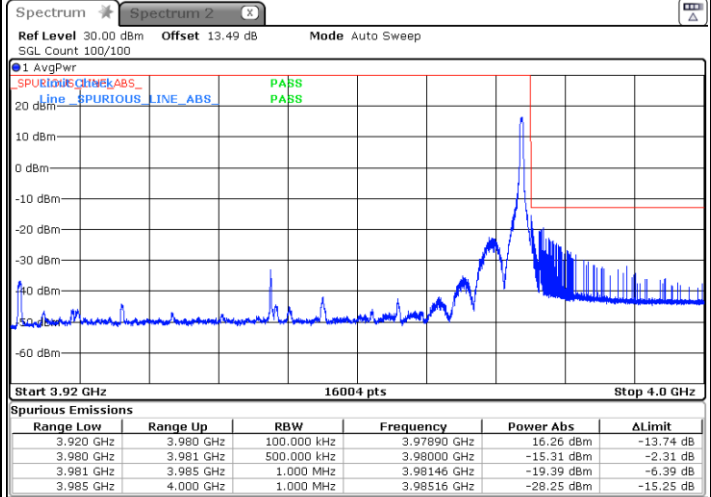
FR1 n77 / 60MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0



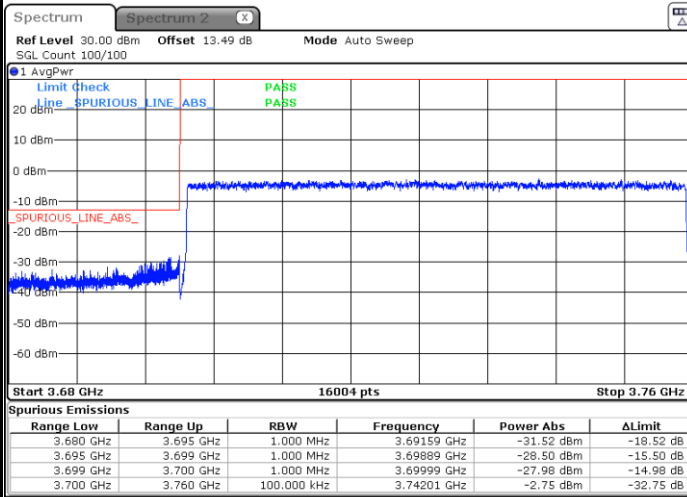
Date: 15.FEB.2022 16:44:58

Highest Band Edge / 1RB24



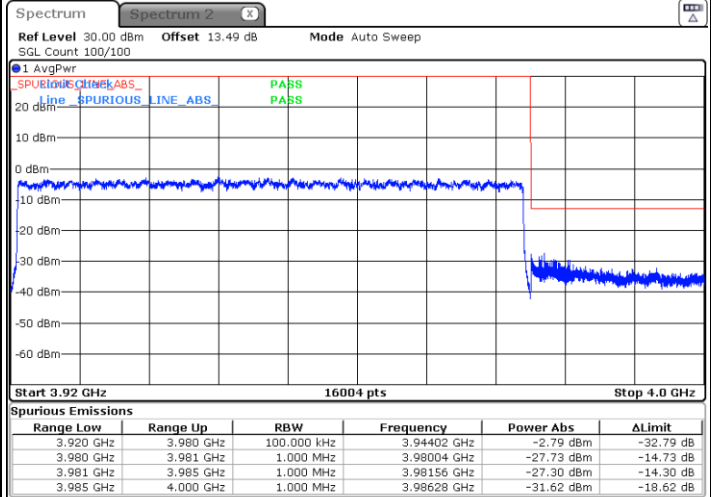
Date: 15.FEB.2022 17:09:53

Lowest Band Edge / Full RB



Date: 15.FEB.2022 16:49:52

Highest Band Edge / Full RB



Date: 15.FEB.2022 17:12:22