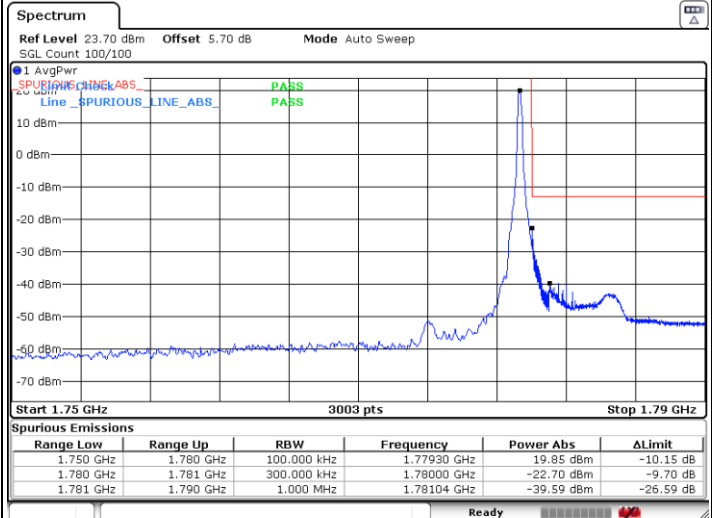
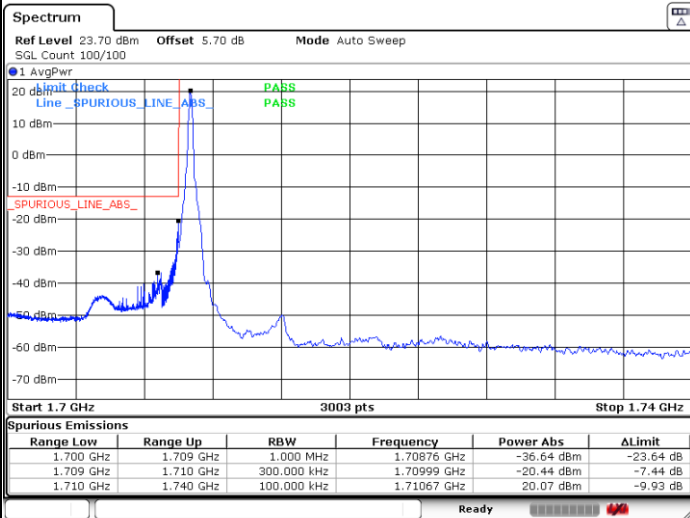




FR1 n66 / 30MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

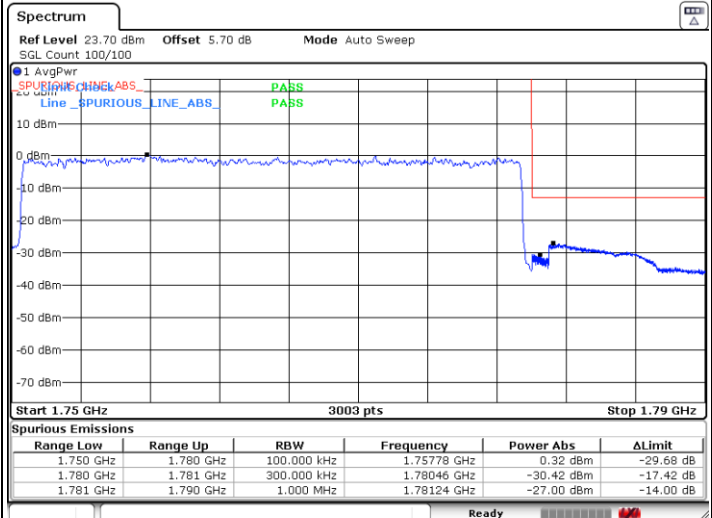
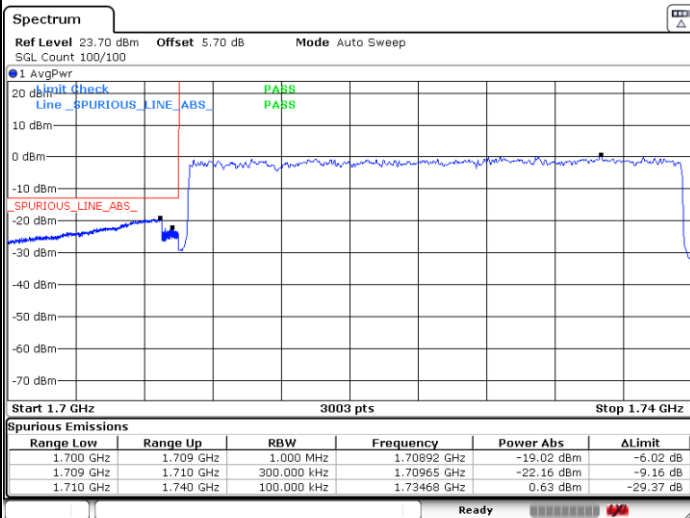


Date: 30.MAR.2021 22:06:29

Date: 30.MAR.2021 22:16:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30.MAR.2021 22:04:20

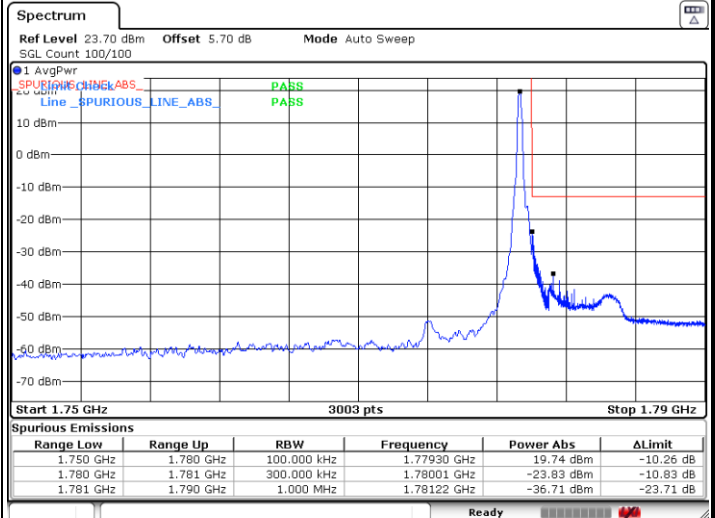
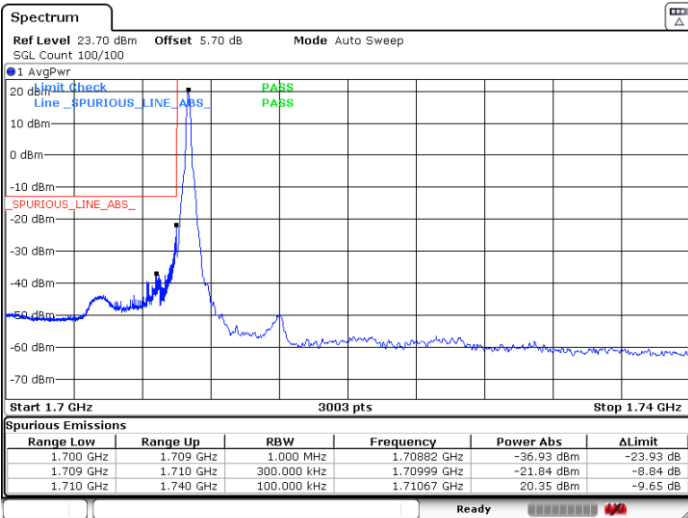
Date: 30.MAR.2021 22:15:21



FR1 n66 / 30MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

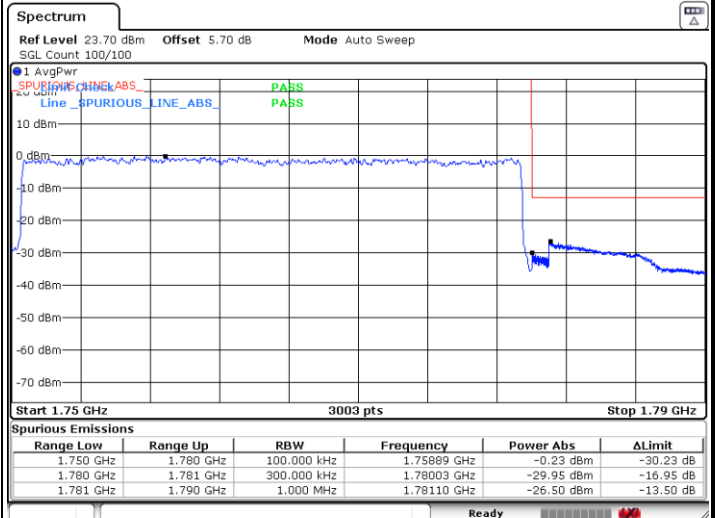
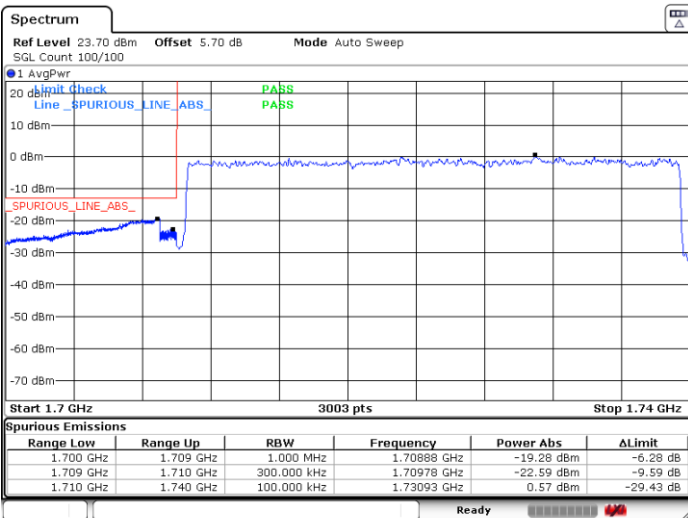


Date: 30.MAR.2021 22:06:47

Date: 30.MAR.2021 22:16:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30.MAR.2021 22:05:17

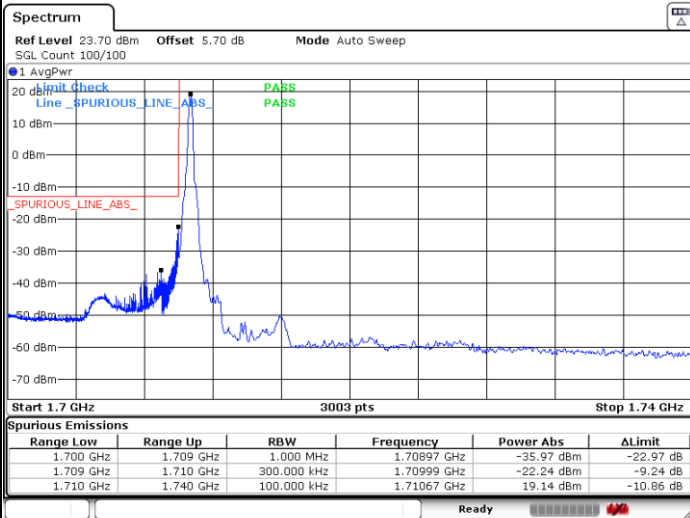
Date: 30.MAR.2021 22:15:34



FR1 n66 / 30MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

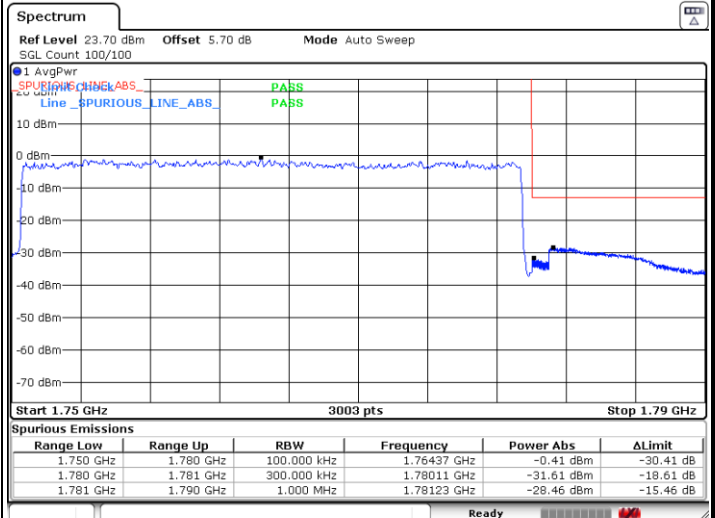
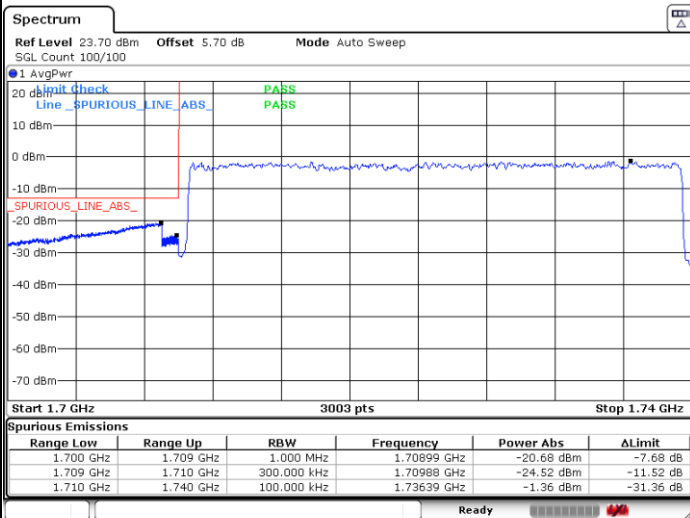


Date: 30.MAR.2021 22:07:04

Date: 30.MAR.2021 22:17:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30.MAR.2021 22:05:39

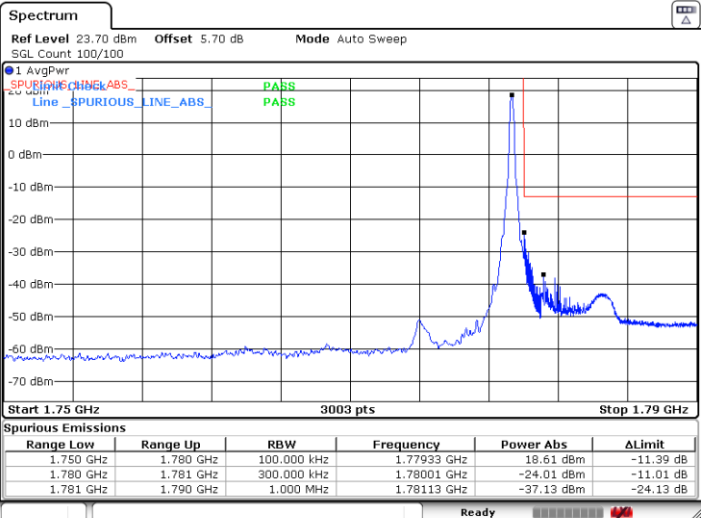
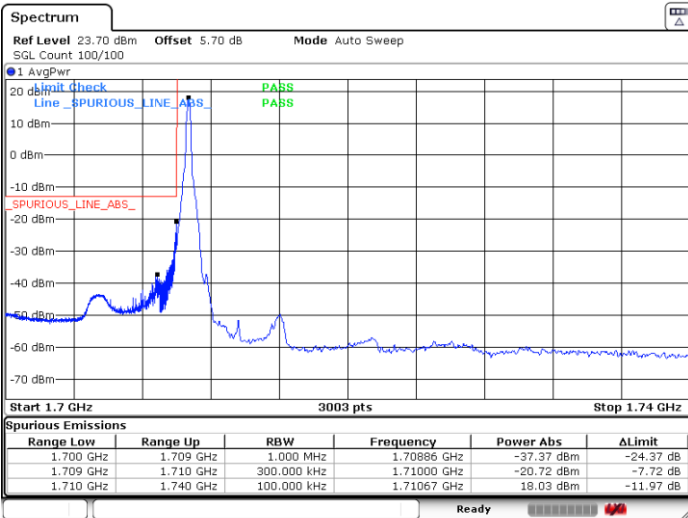
Date: 30.MAR.2021 22:15:47



FR1 n66 / 30MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

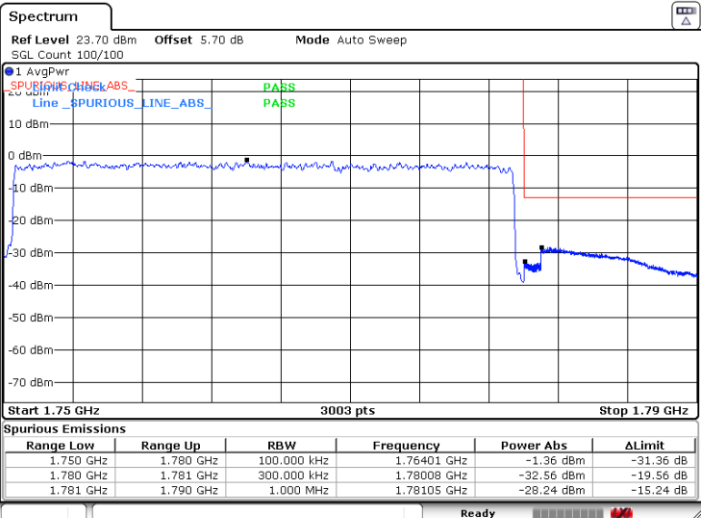
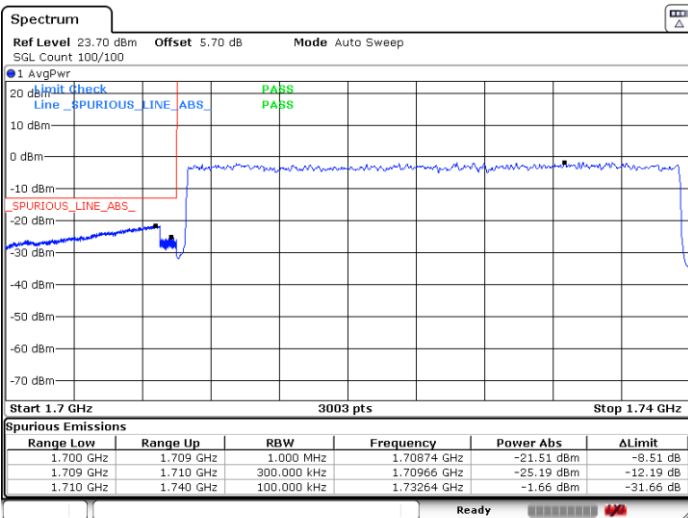


Date: 30.MAR.2021 22:07:21

Date: 30.MAR.2021 22:17:15

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30.MAR.2021 22:05:57

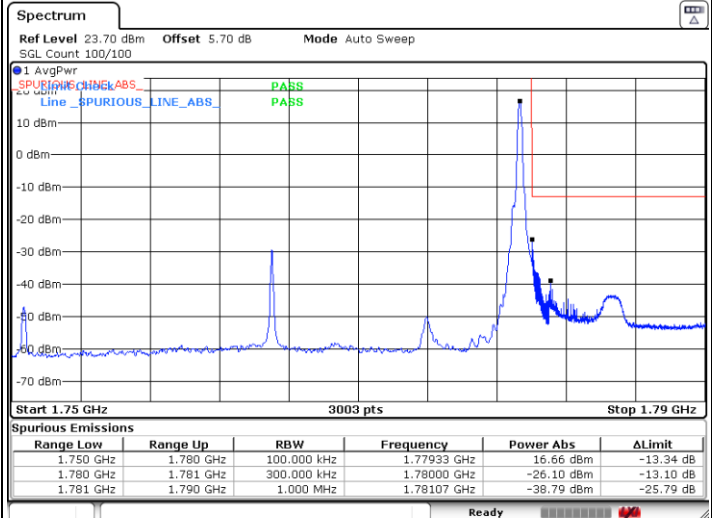
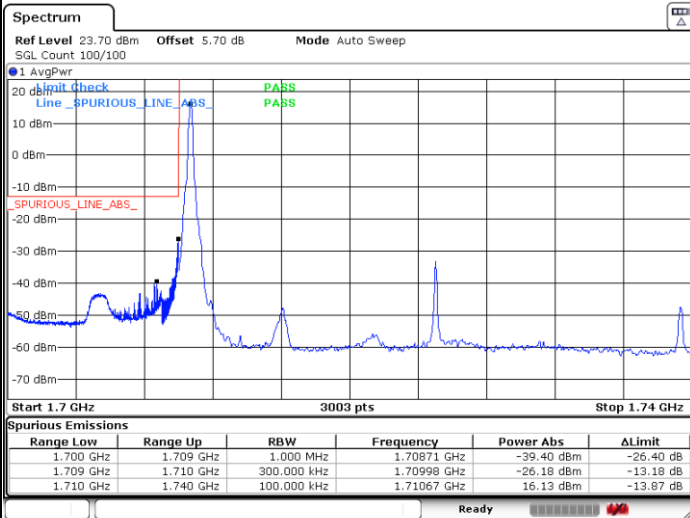
Date: 30.MAR.2021 22:16:00



FR1 n66 / 30MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

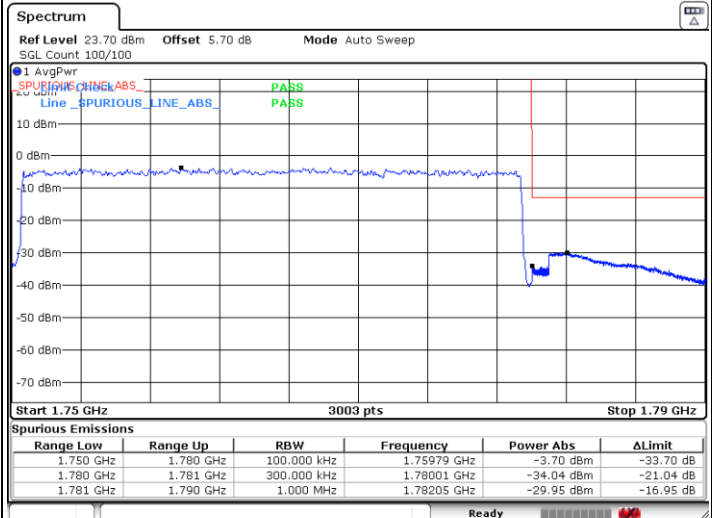
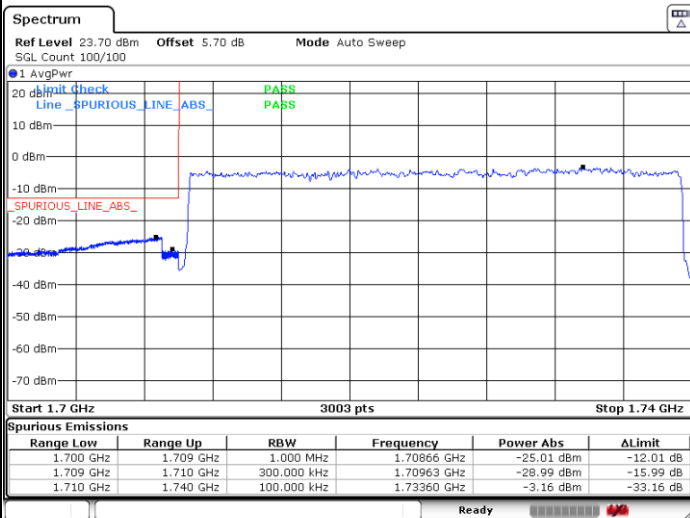


Date: 30.MAR.2021 22:07:33

Date: 30.MAR.2021 22:17:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30.MAR.2021 22:06:10

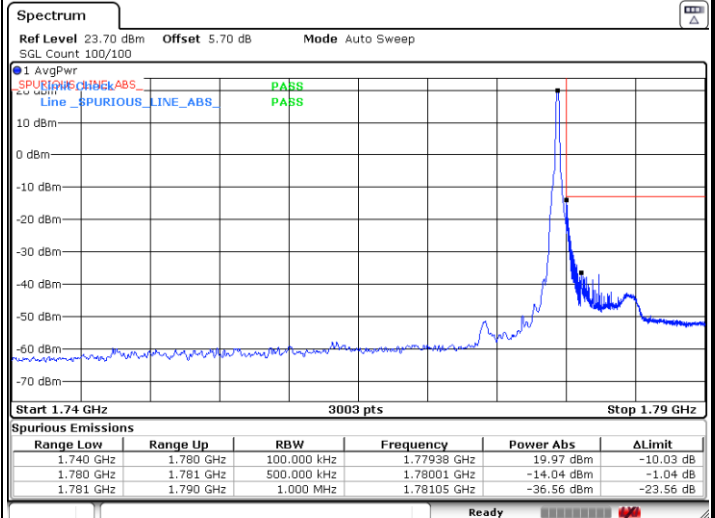
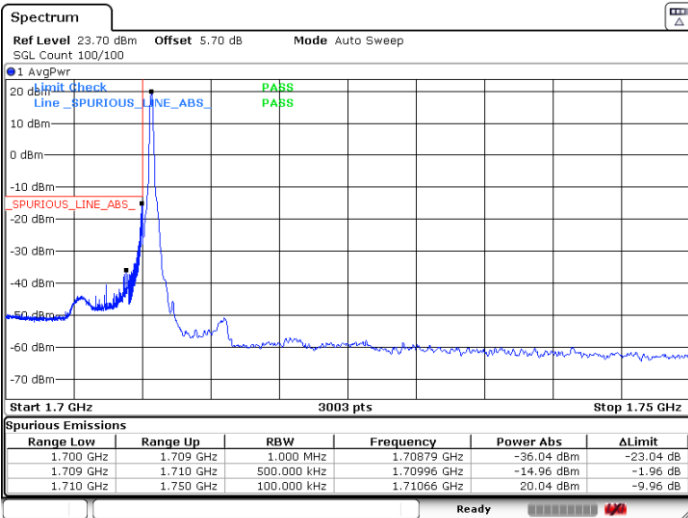
Date: 30.MAR.2021 22:16:12



FR1 n66 / 40MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

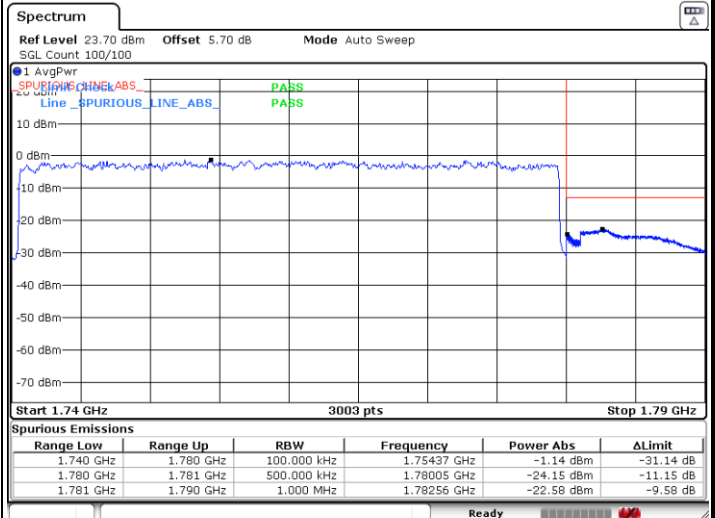
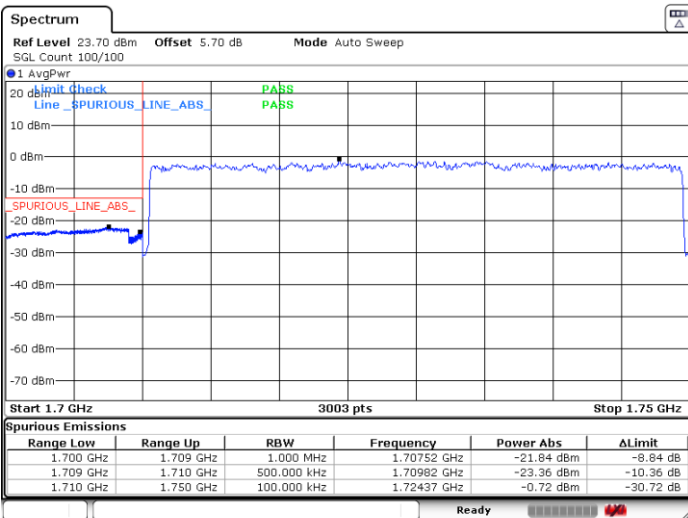


Date: 30.MAR.2021 22:25:23

Date: 30.MAR.2021 22:20:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30.MAR.2021 22:23:49

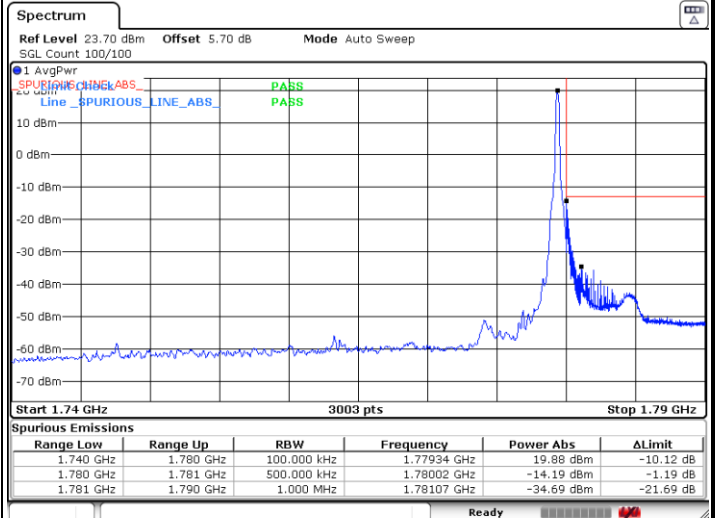
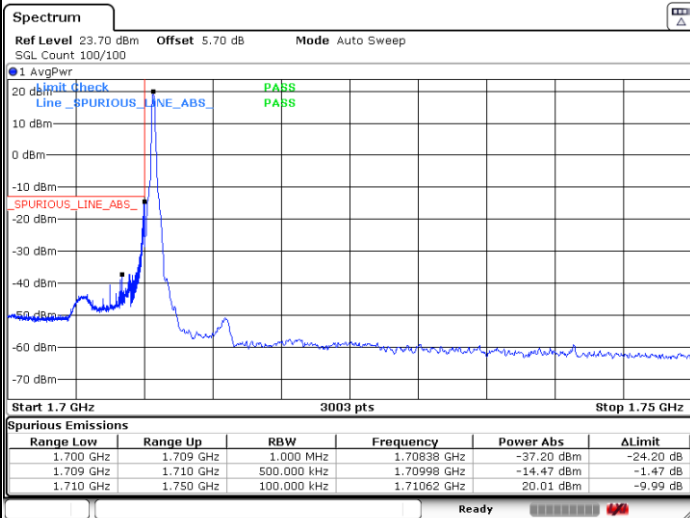
Date: 30.MAR.2021 22:19:04



FR1 n66 / 40MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

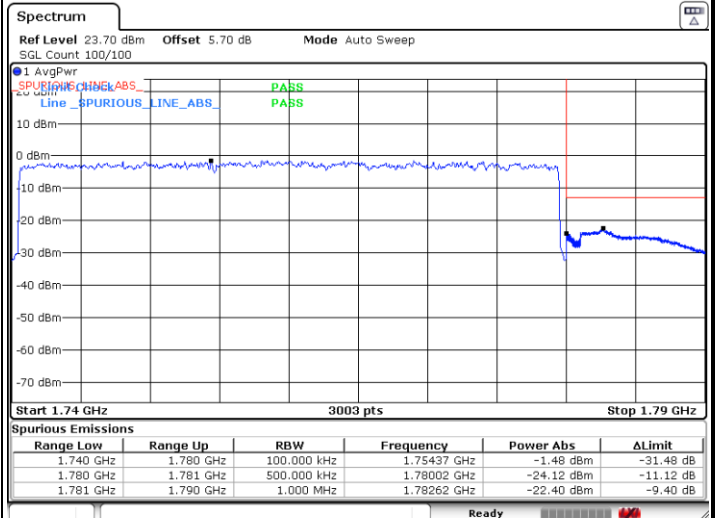
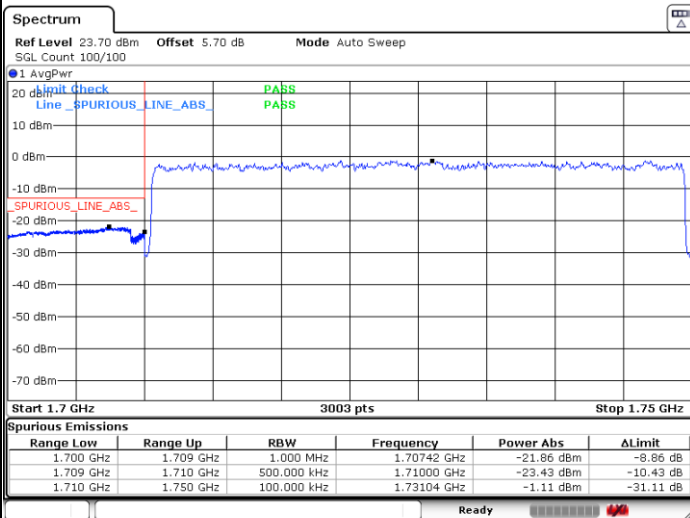


Date: 30.MAR.2021 22:25:51

Date: 30.MAR.2021 22:20:43

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30.MAR.2021 22:24:01

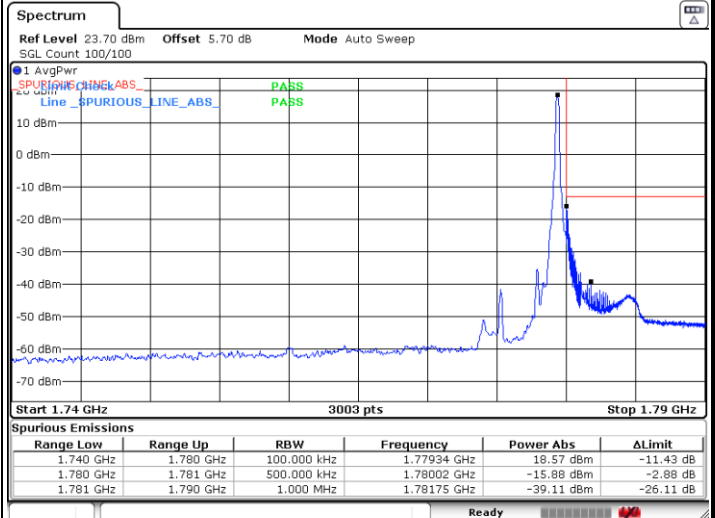
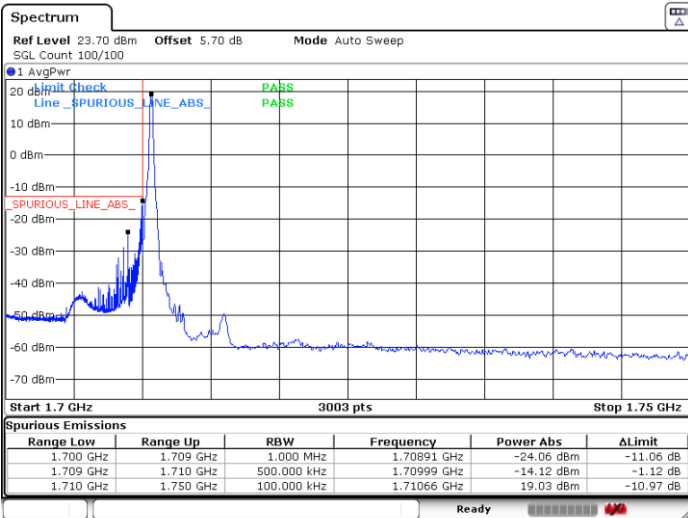
Date: 30.MAR.2021 22:19:33



FR1 n66 / 40MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

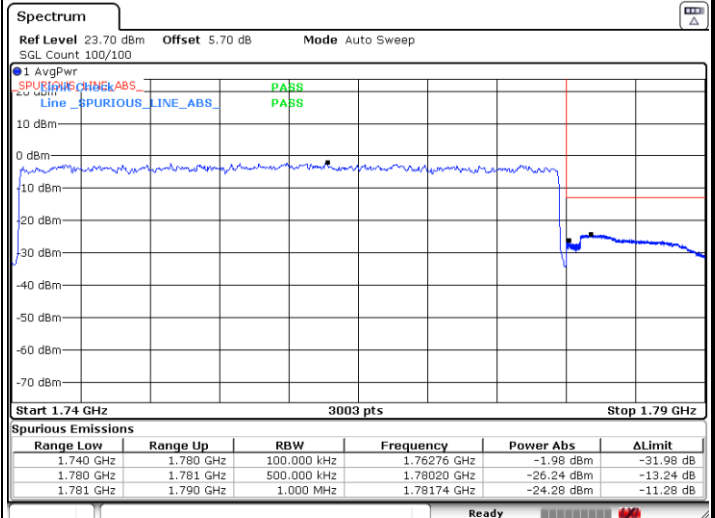
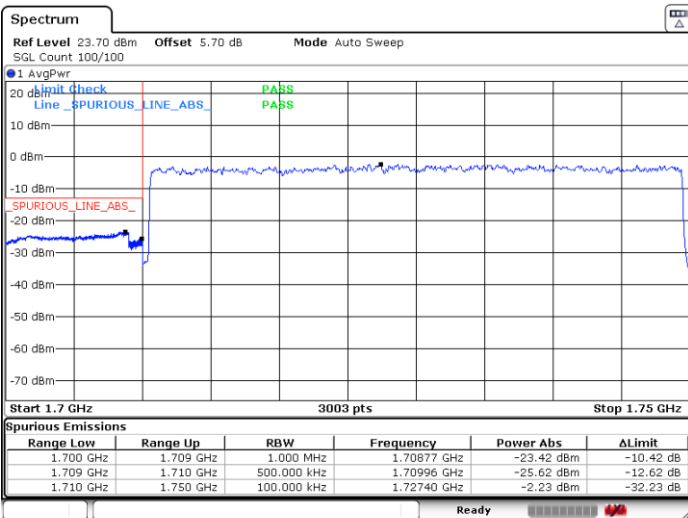


Date: 30.MAR.2021 22:26:06

Date: 30.MAR.2021 22:20:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30.MAR.2021 22:24:35

Date: 30.MAR.2021 22:19:44

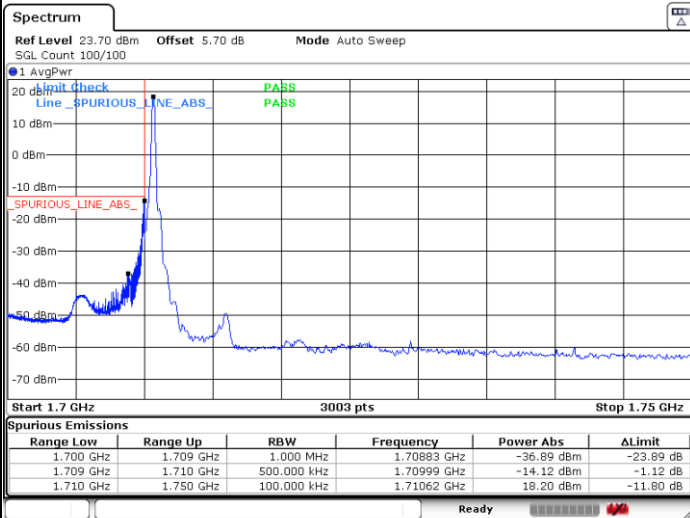




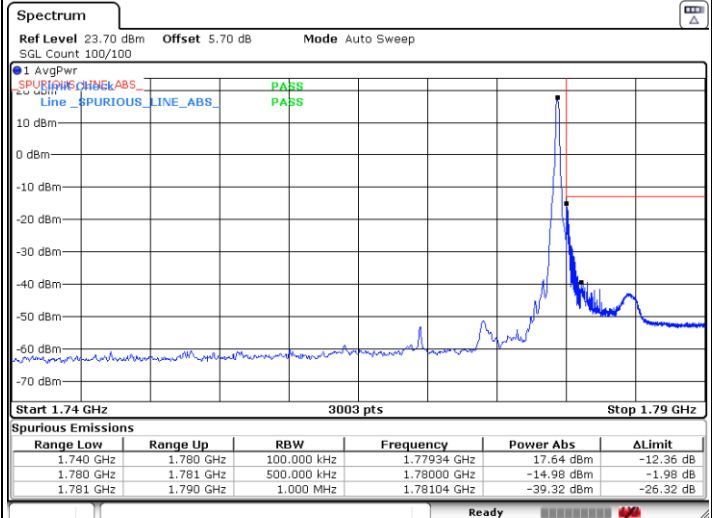
FR1 n66 / 40MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



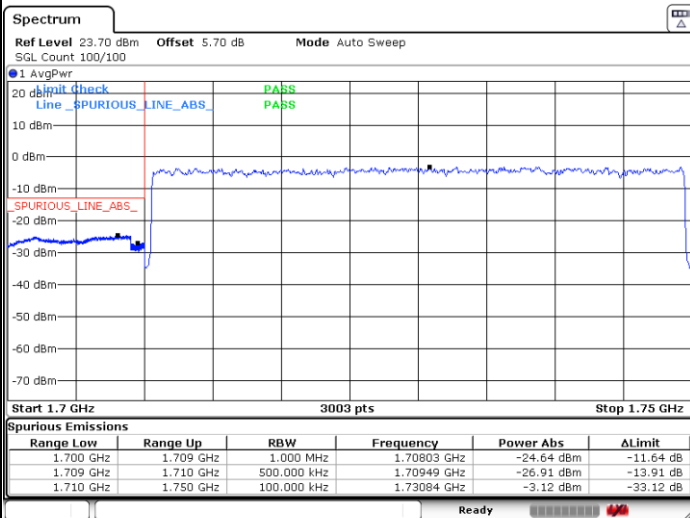
Date: 30.MAR.2021 22:26:27



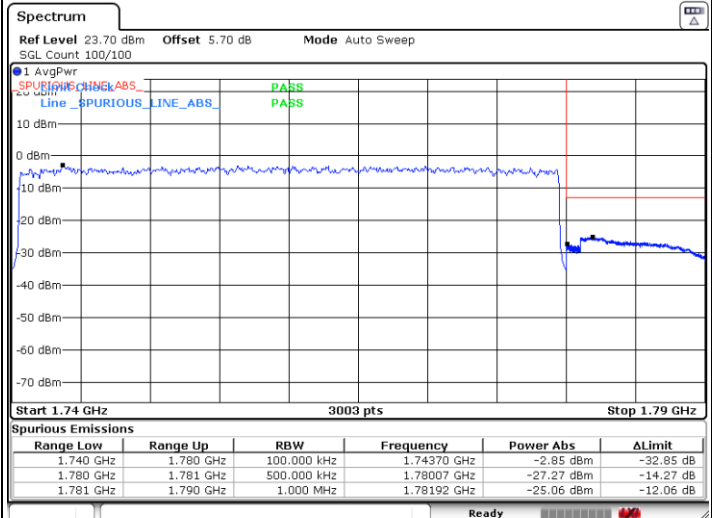
Date: 30.MAR.2021 22:21:10

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 30.MAR.2021 22:24:49



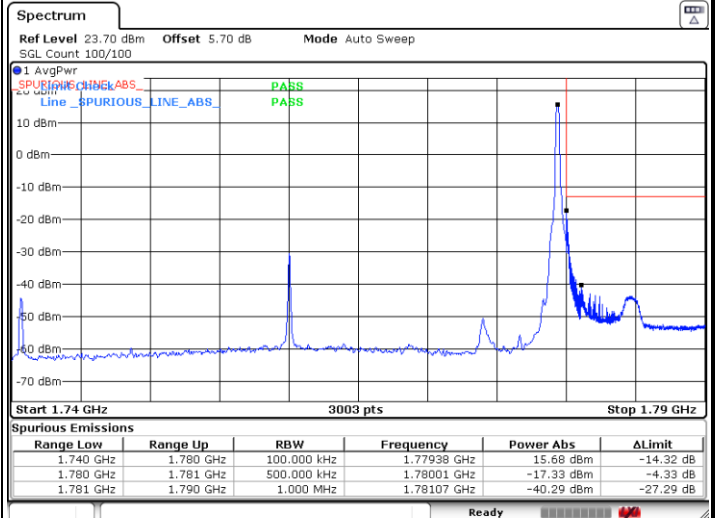
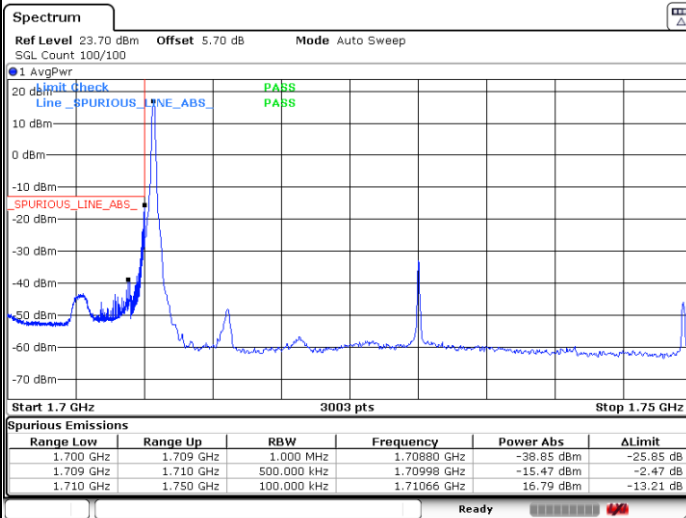
Date: 30.MAR.2021 22:19:56



FR1 n66 / 40MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

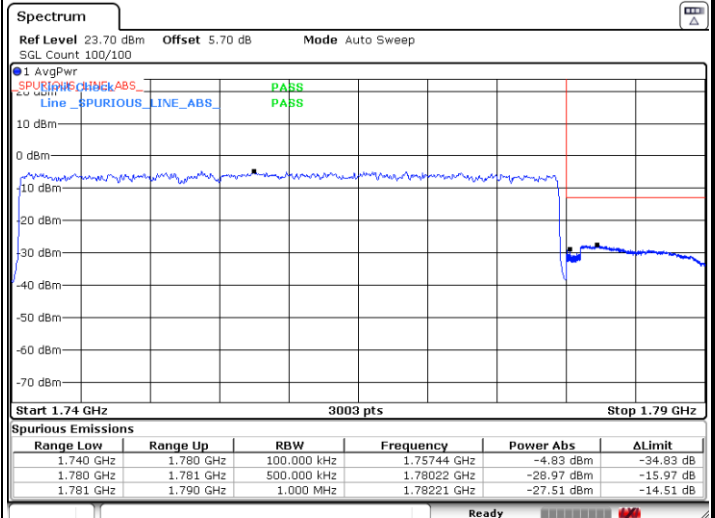
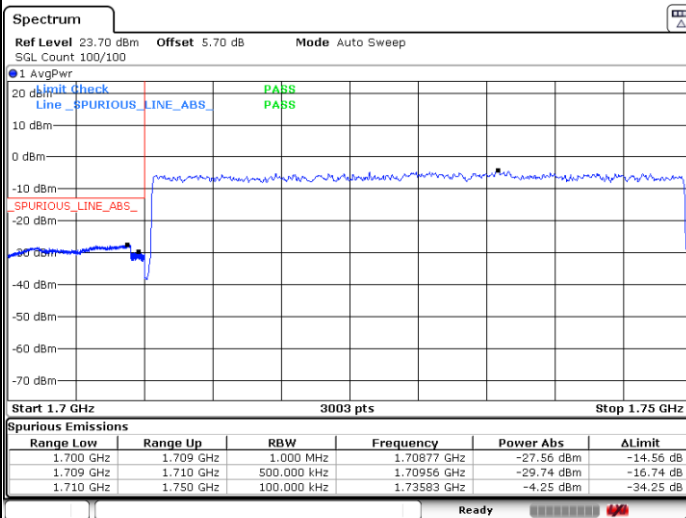


Date: 30.MAR.2021 22:26:42

Date: 30.MAR.2021 22:21:22

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

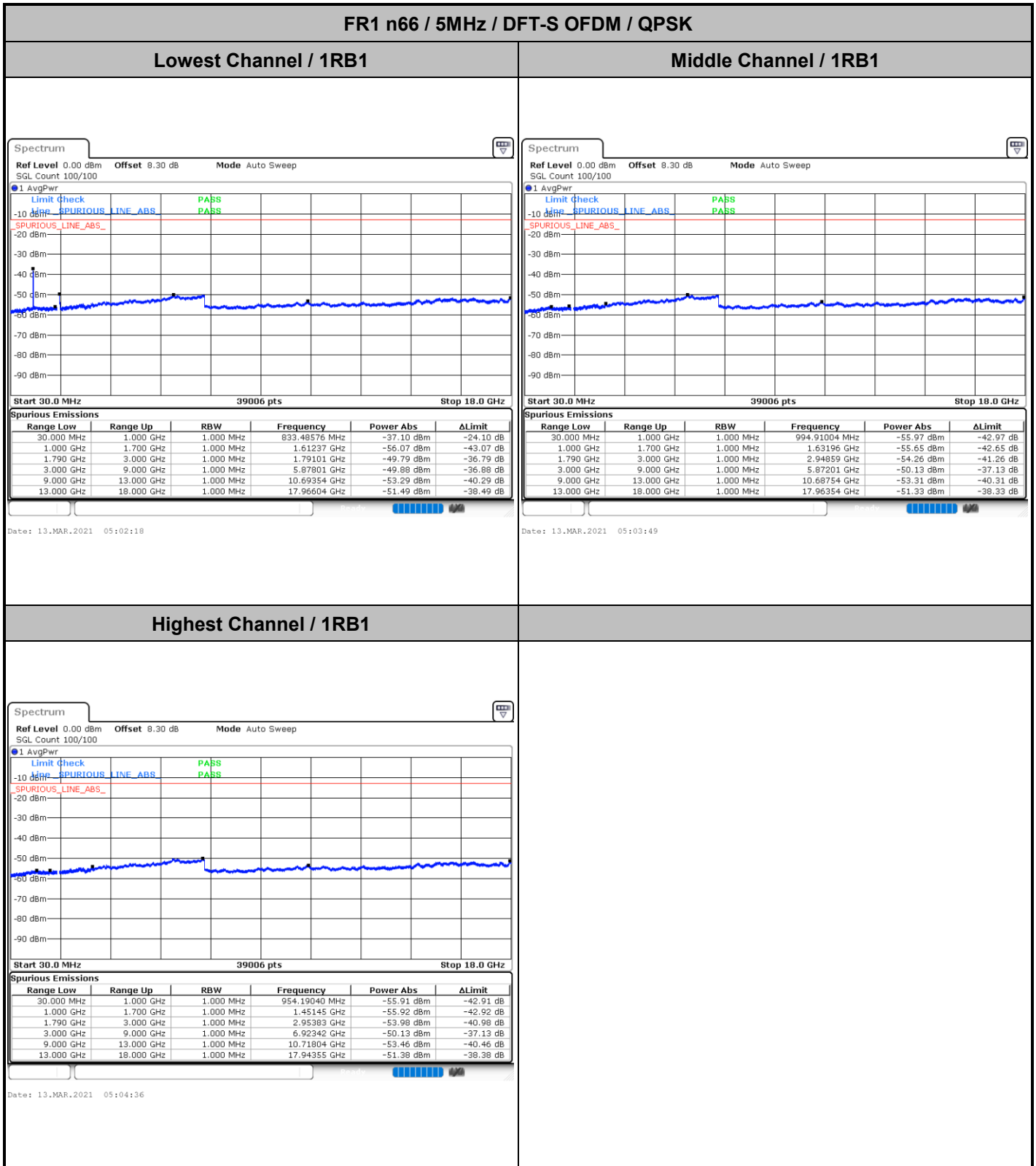


Date: 30.MAR.2021 22:25:06

Date: 30.MAR.2021 22:20:08



# Conducted Spurious Emission

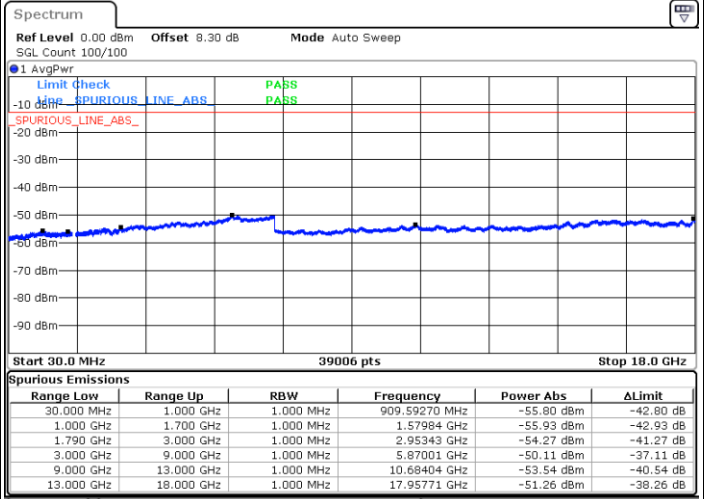
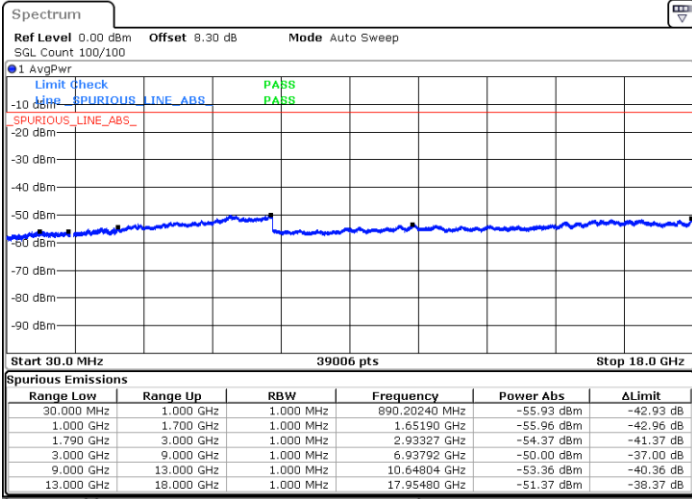




FR1 n66 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

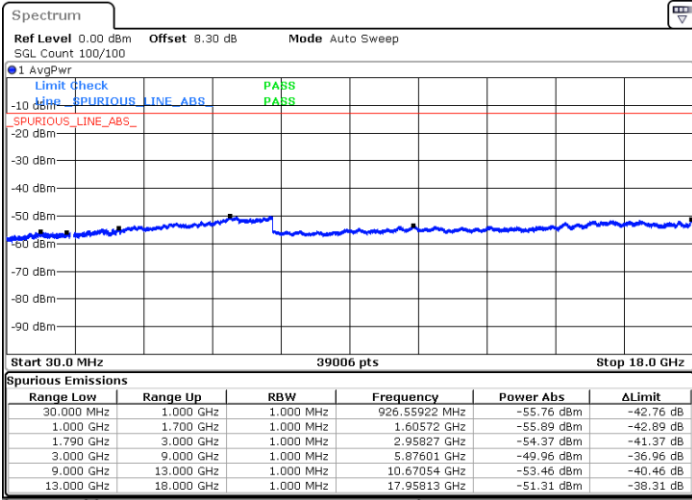
Middle Channel / 1RB1



Date: 13.MAR.2021 05:05:23

Date: 13.MAR.2021 05:06:29

Highest Channel / 1RB1



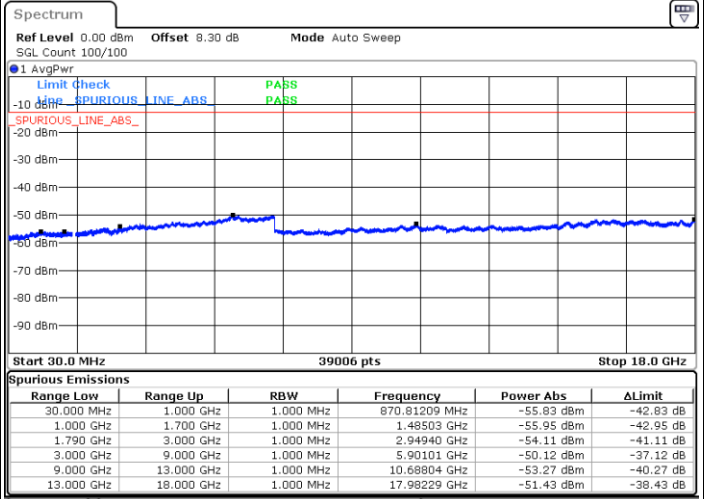
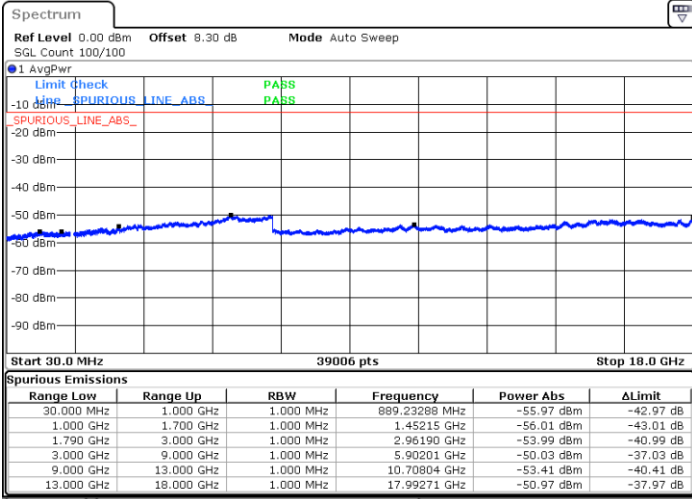
Date: 13.MAR.2021 05:07:10



FR1 n66 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

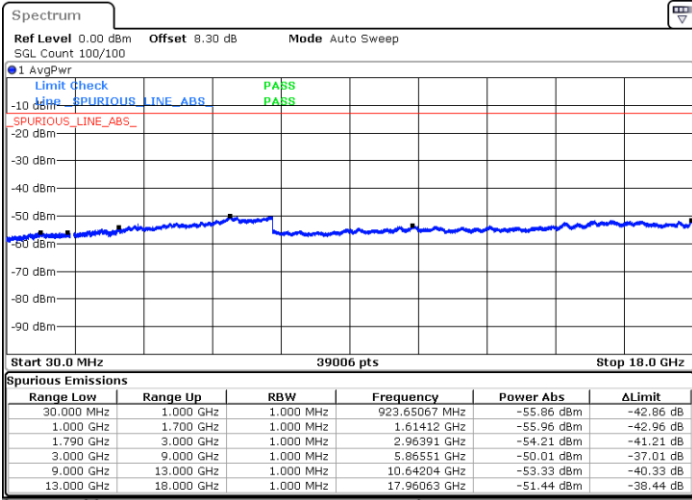
Middle Channel / 1RB1



Date: 13.MAR.2021 05:08:06

Date: 13.MAR.2021 05:08:46

Highest Channel / 1RB1



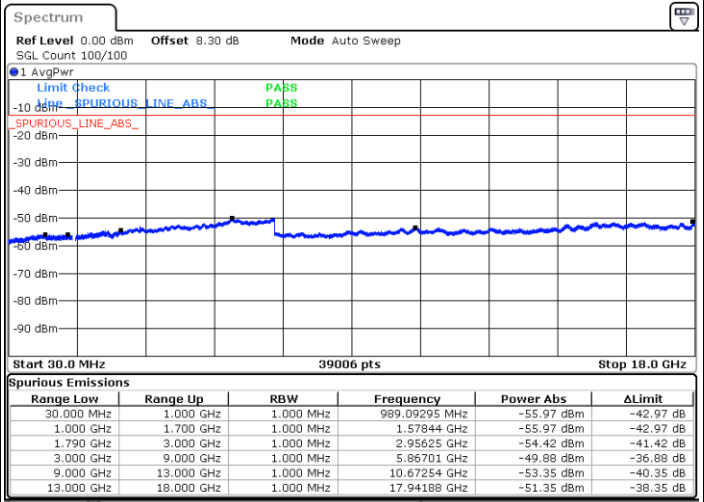
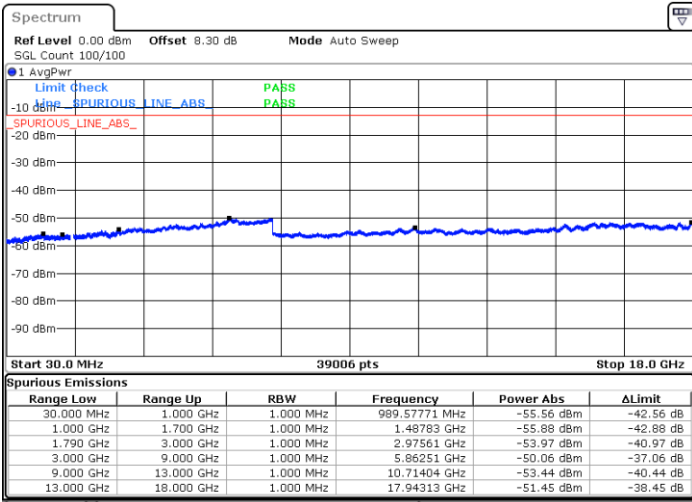
Date: 13.MAR.2021 05:09:27



FR1 n66 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

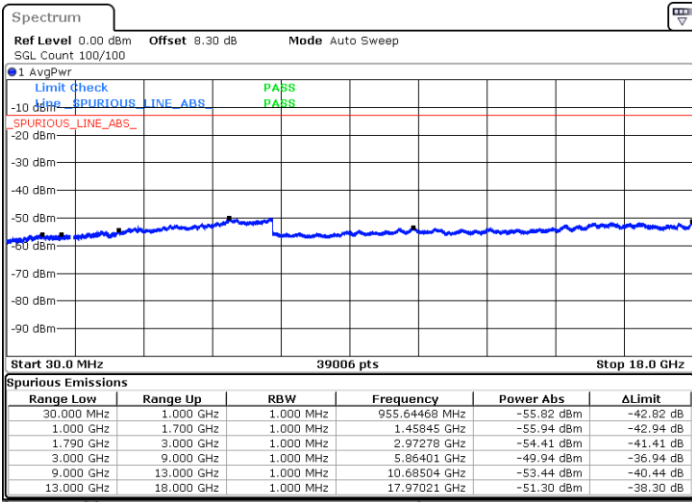
Middle Channel / 1RB1



Date: 13.MAR.2021 05:10:16

Date: 13.MAR.2021 05:10:56

Highest Channel / 1RB1



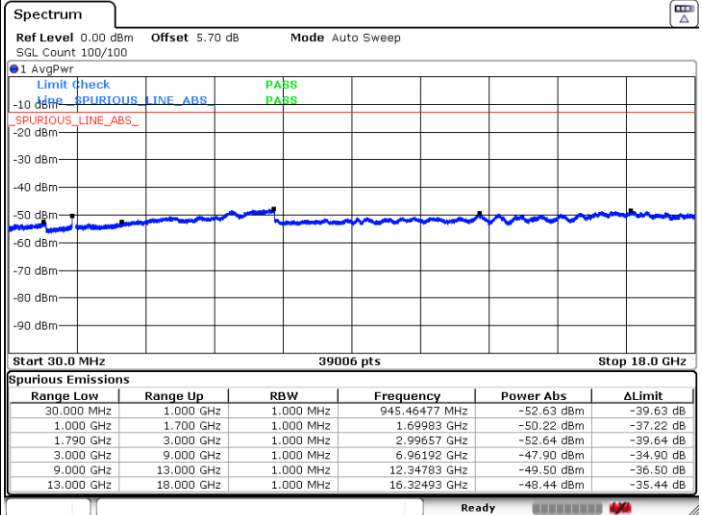
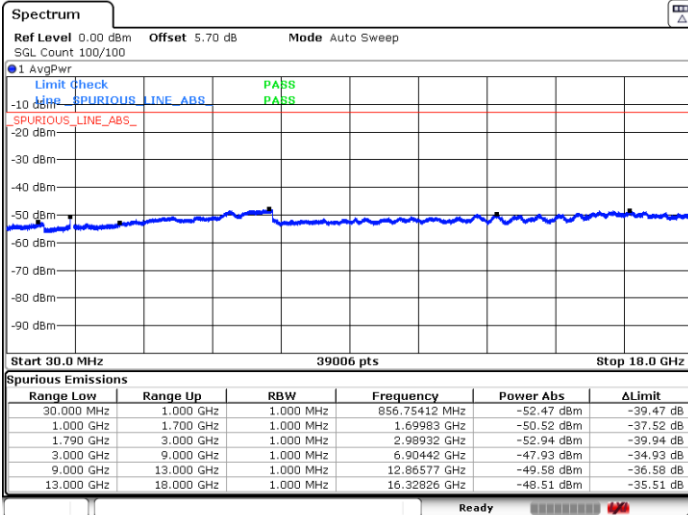
Date: 13.MAR.2021 05:11:36



FR1 n66 / 30MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

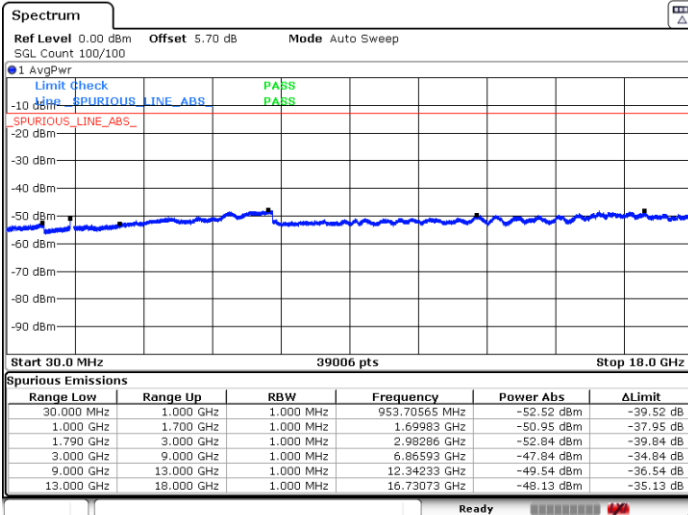
Middle Channel / 1RB1



Date: 30.MAR.2021 22:28:21

Date: 30.MAR.2021 22:28:57

Highest Channel / 1RB1



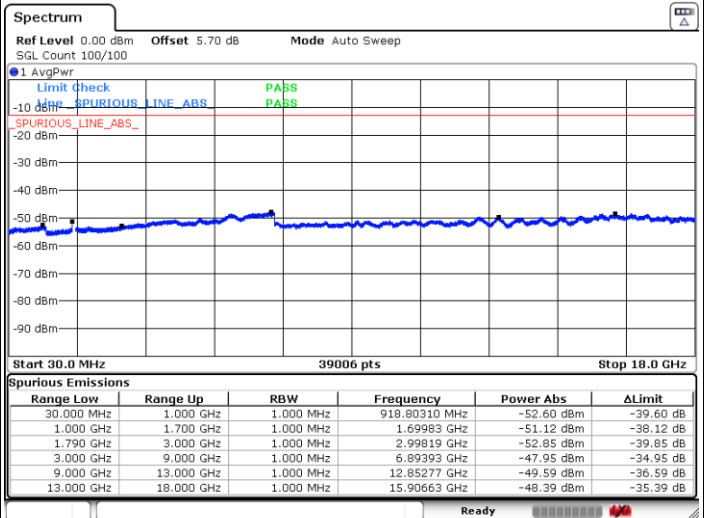
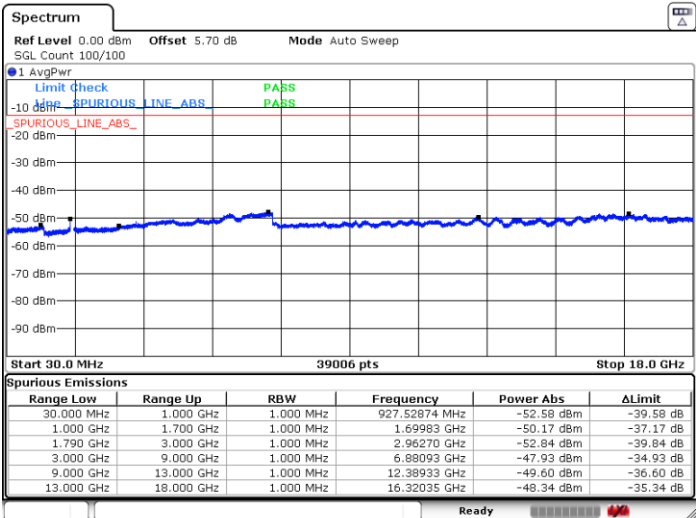
Date: 30.MAR.2021 22:29:26



FR1 n66 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

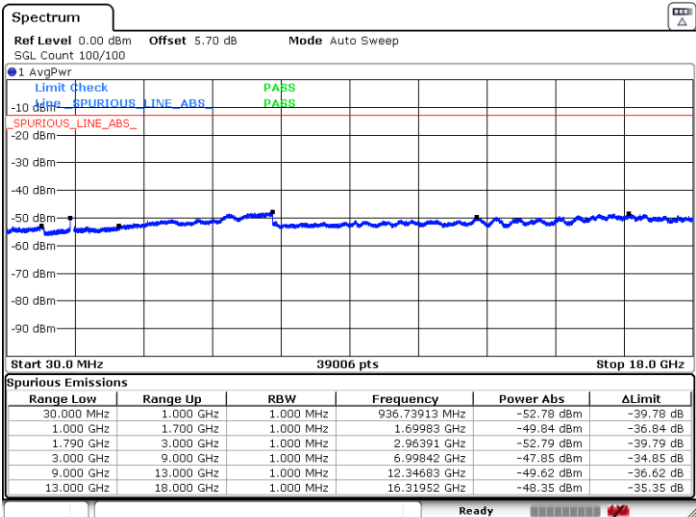
Middle Channel / 1RB1



Date: 30.MAR.2021 22:30:32

Date: 30.MAR.2021 22:29:56

Highest Channel / 1RB1



Date: 30.MAR.2021 22:31:06





### Frequency Stability

Test Conditions		FR1 n66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 40MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0001	PASS
40	Normal Voltage	0.0043	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0031	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0001	

**Note:**

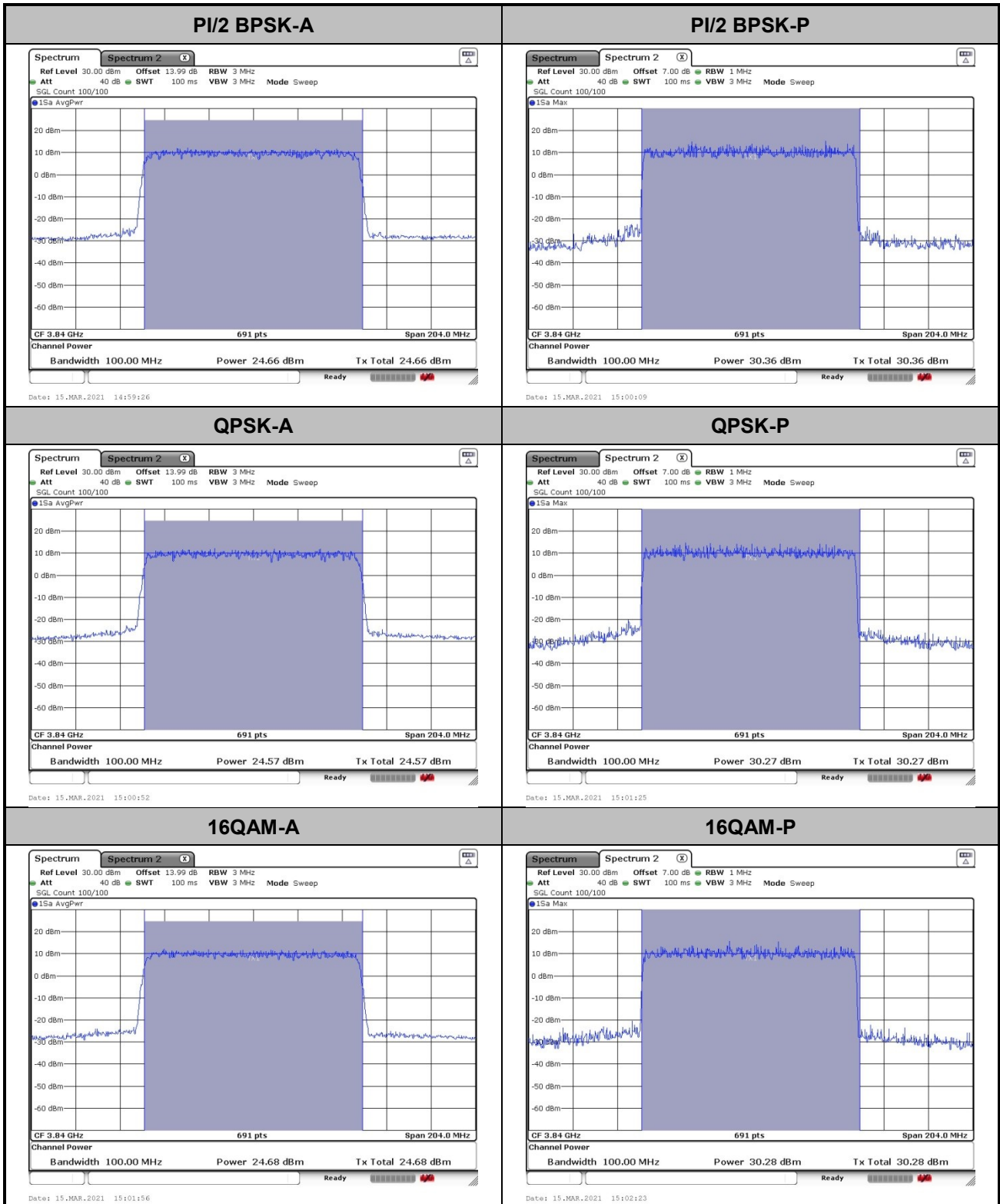
1. Normal Voltage =3.8V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



### 5G NR n77

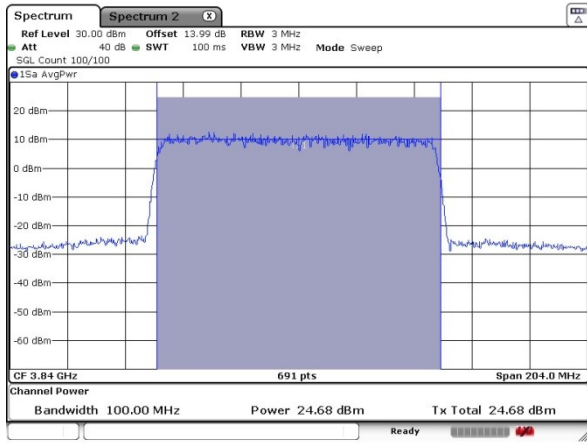
#### Peak-to-Average Ratio

Mode	FR1 n77 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.7	5.7	5.6	5.82	PASS
Mode	FR1 n77 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	5.73				PASS

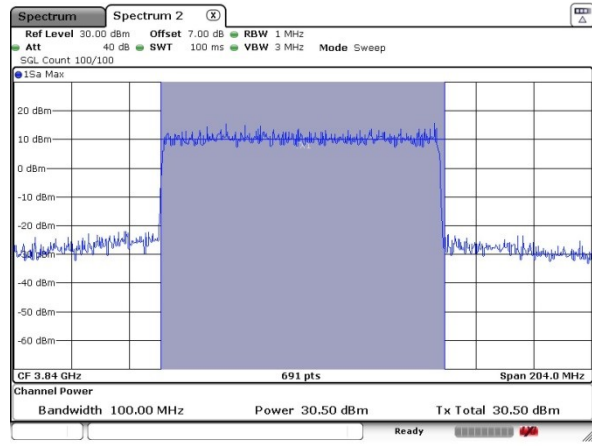




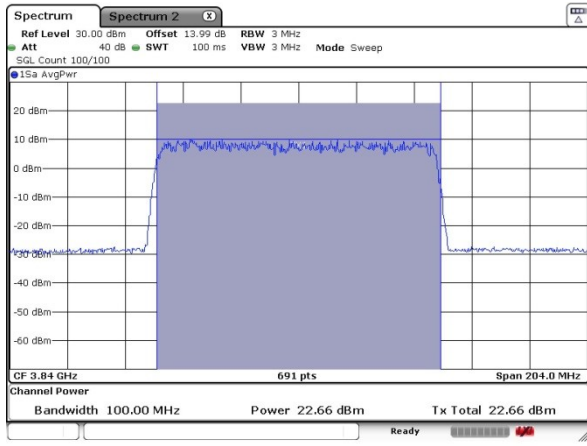
64QAM-A



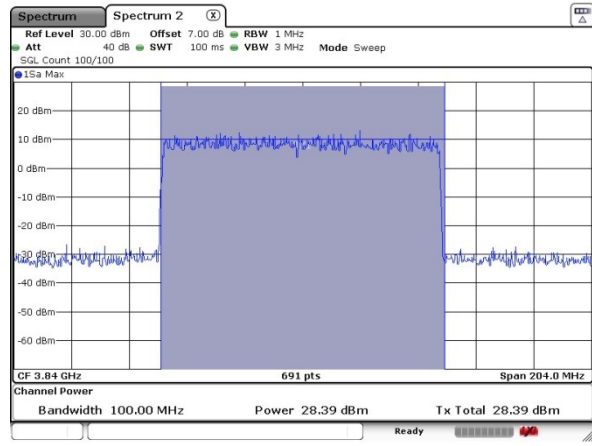
64QAM-P



256QAM-A



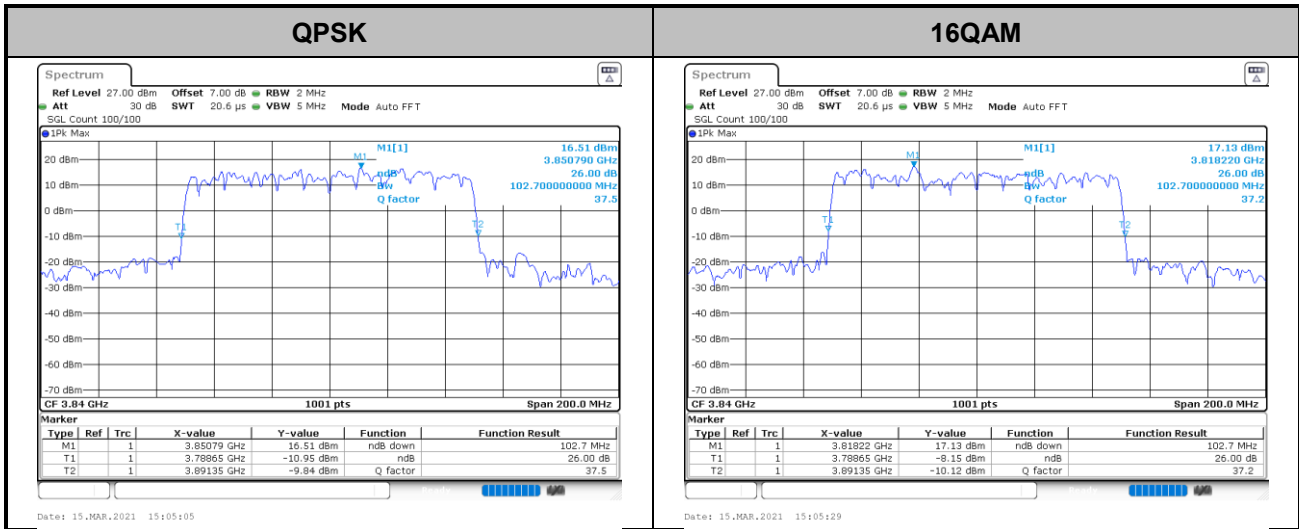
256QAM-P





## 26dB Bandwidth

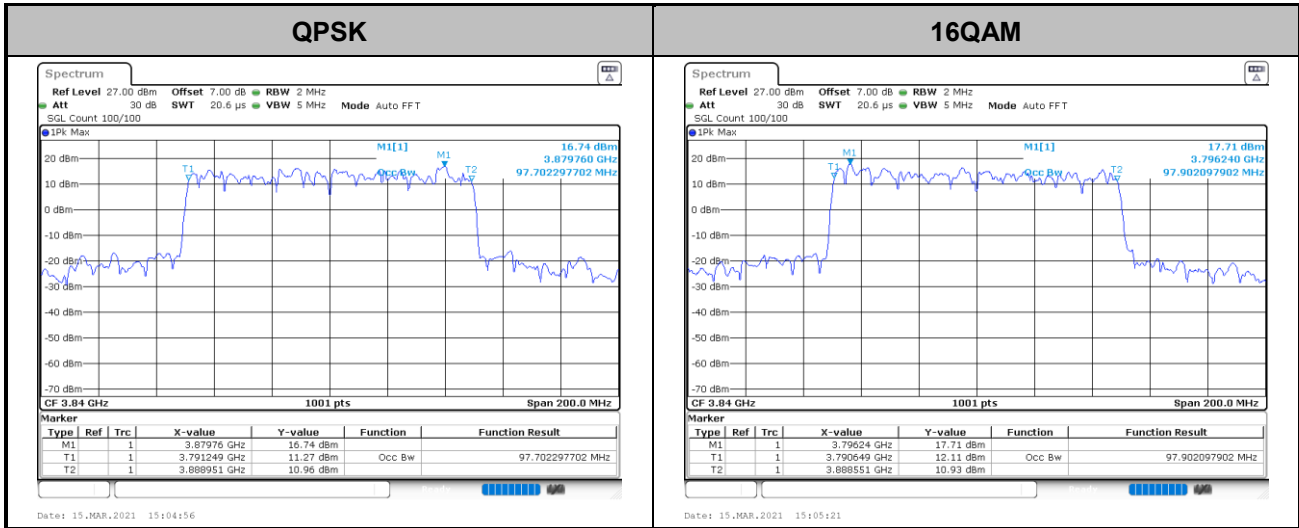
Mode	FR1 n77 : 26dB BW(MHz) / CP	
BW	100M	
Mod.	QPSK	16QAM
Middle CH	102.7	102.7





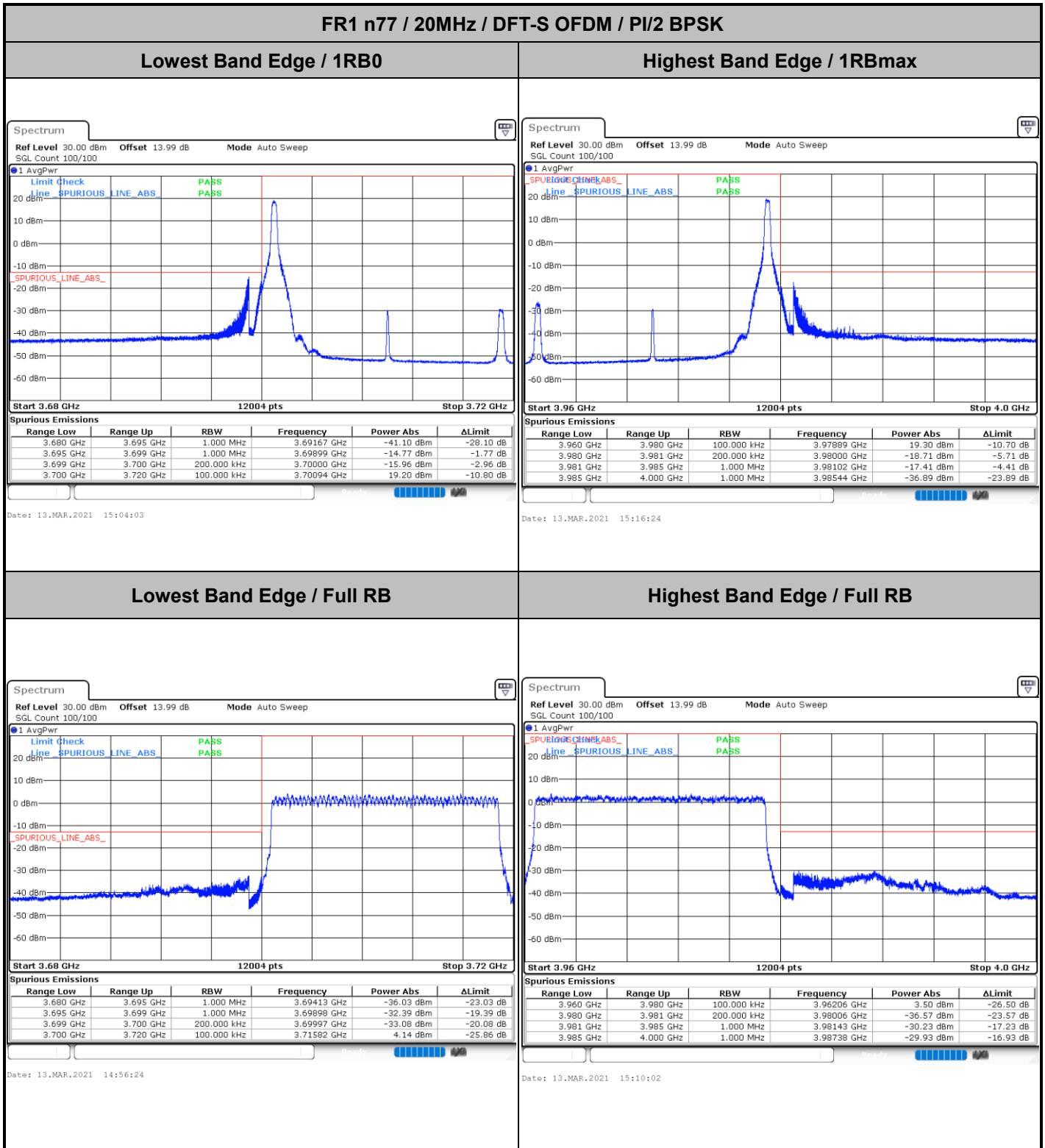
## Occupied Bandwidth

Mode	FR1 n77 : OB BW(MHz) / CP	
BW	100M	
Mod.	QPSK	16QAM
Middle CH	97.70	97.90





# Conducted Band Edge

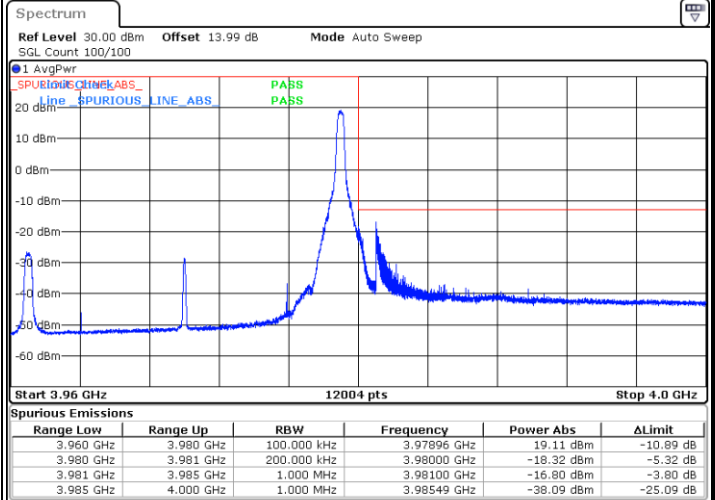
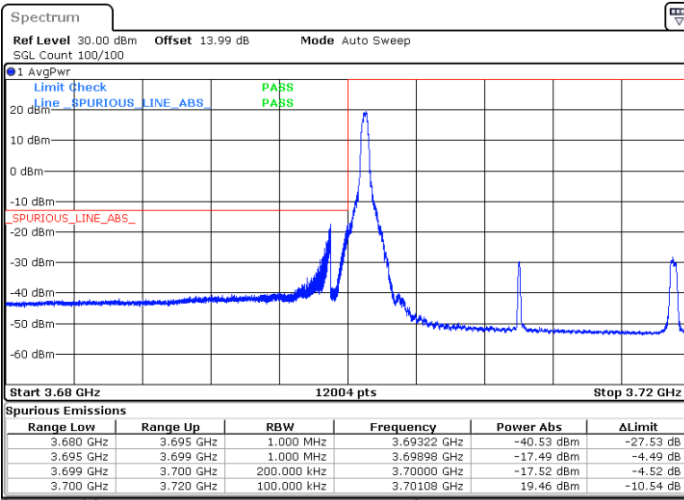




FR1 n77 / 20MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

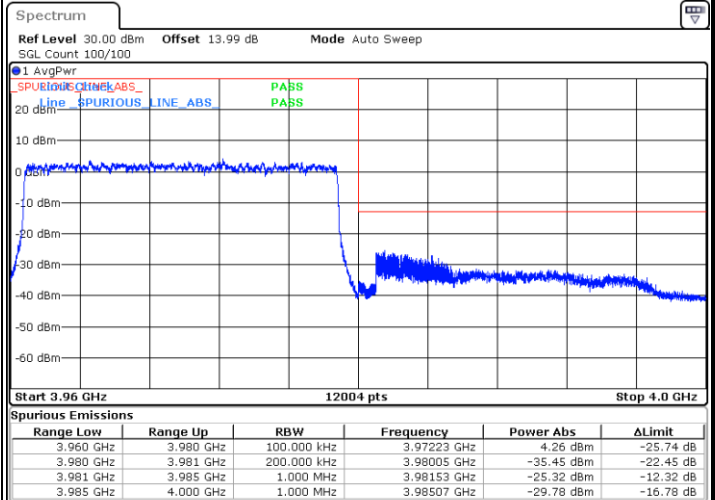
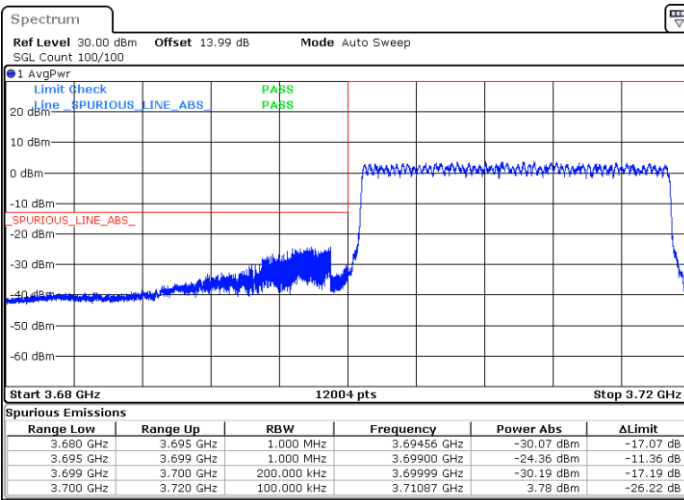


Date: 13.MAR.2021 15:02:36

Date: 13.MAR.2021 15:15:43

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 14:57:54

Date: 13.MAR.2021 15:10:44

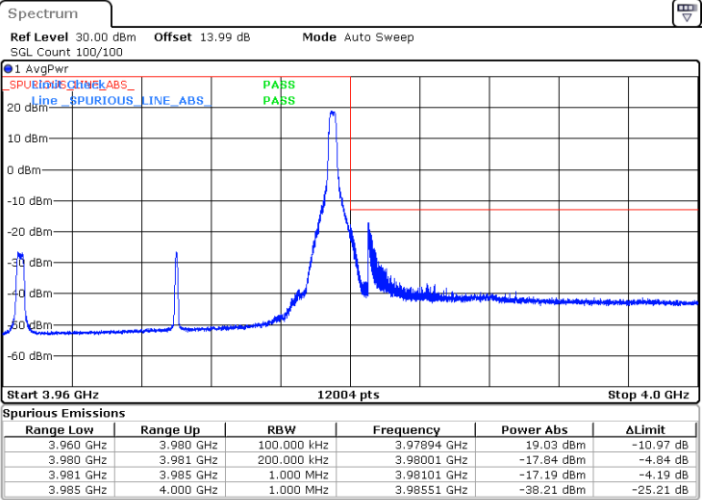
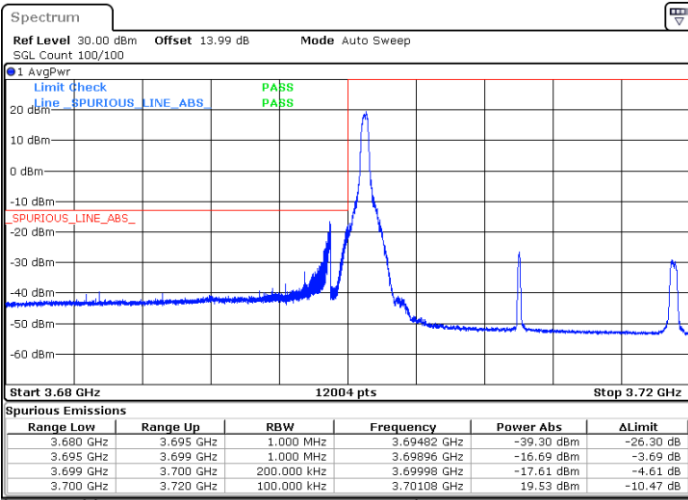




FR1 n77 / 20MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

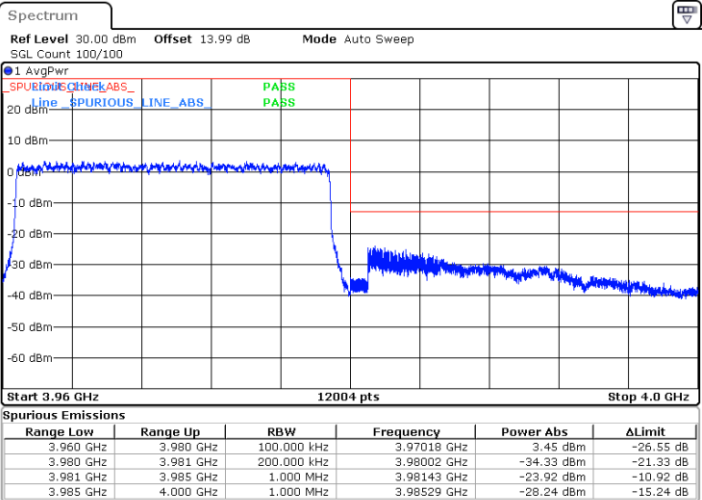
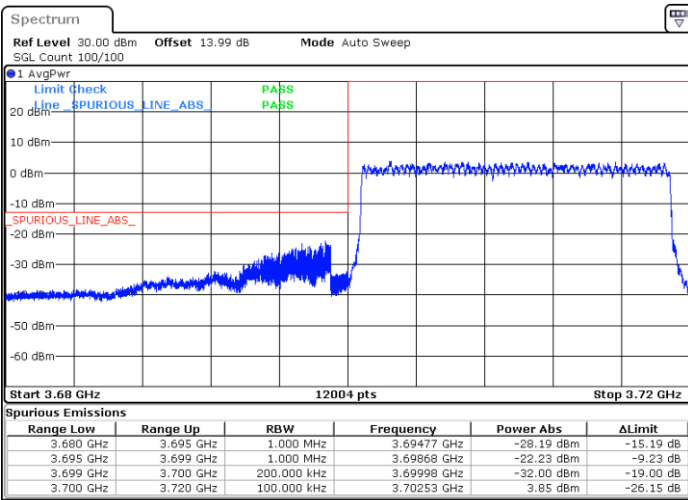


Date: 13.MAR.2021 15:01:57

Date: 13.MAR.2021 15:14:59

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 14:58:31

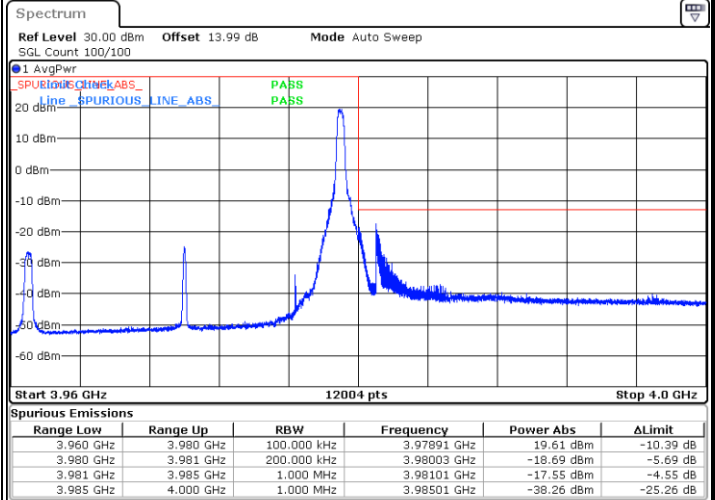
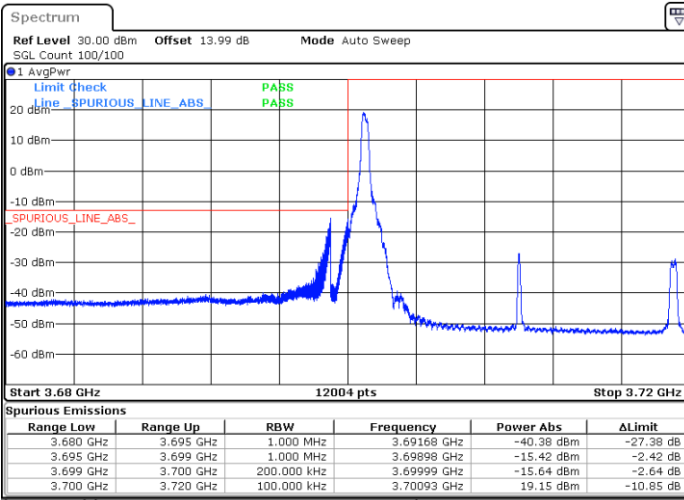
Date: 13.MAR.2021 15:11:32



FR1 n77 / 20MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

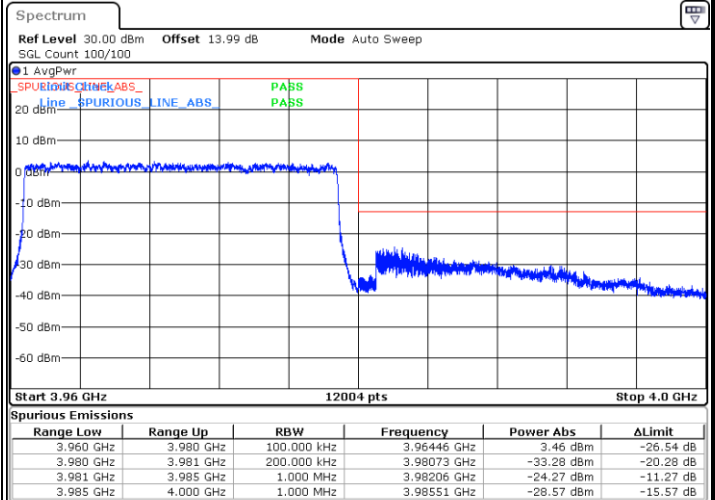
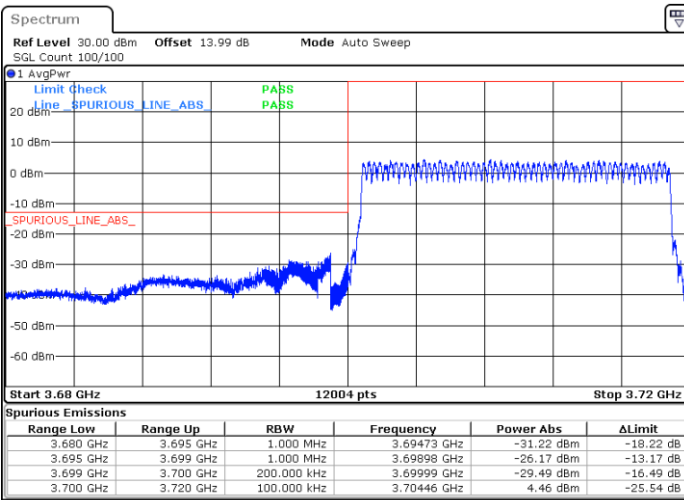


Date: 13.MAR.2021 15:01:19

Date: 13.MAR.2021 15:14:21

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 14:59:19

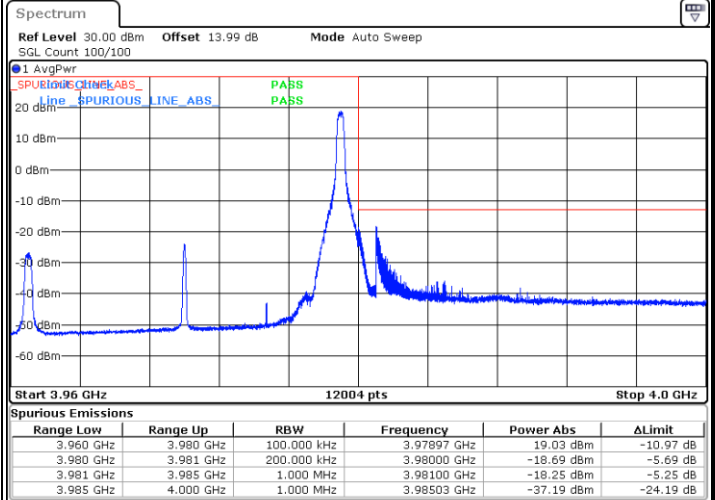
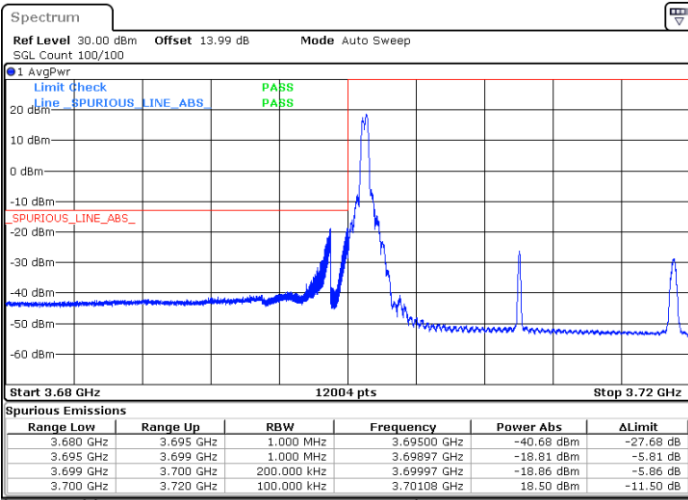
Date: 13.MAR.2021 15:12:12



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

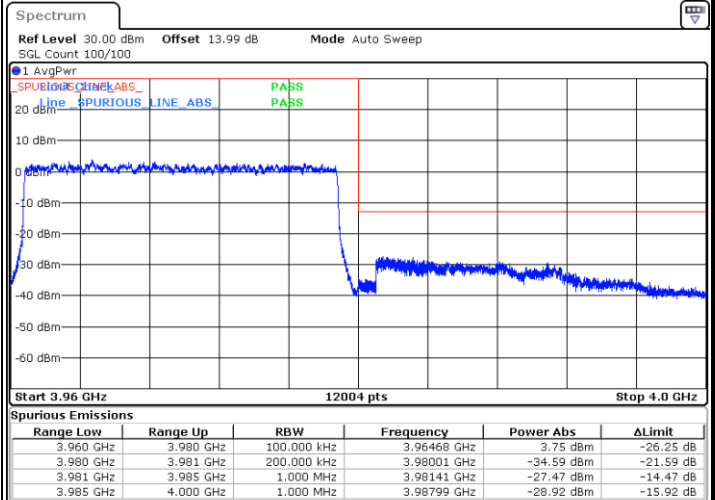
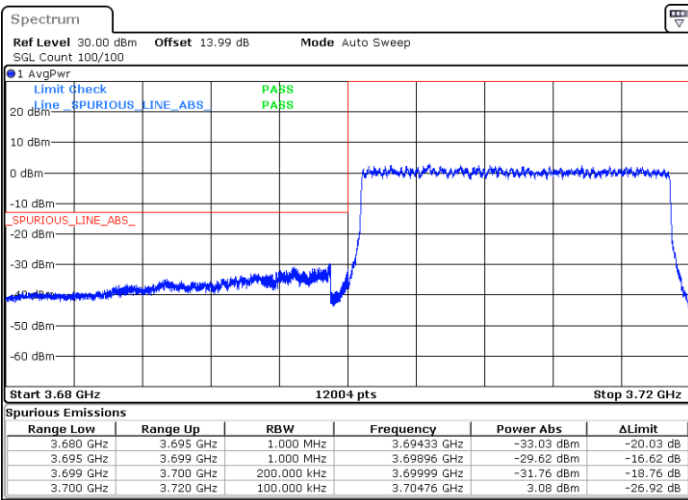


Date: 13.MAR.2021 15:00:40

Date: 13.MAR.2021 15:13:39

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 15:00:00

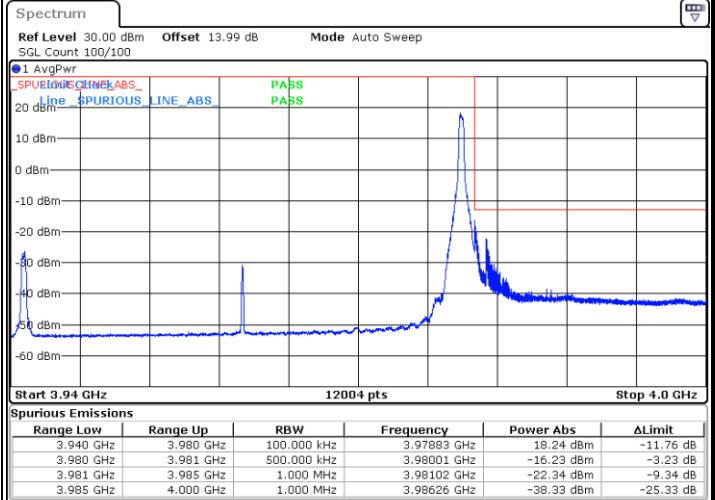
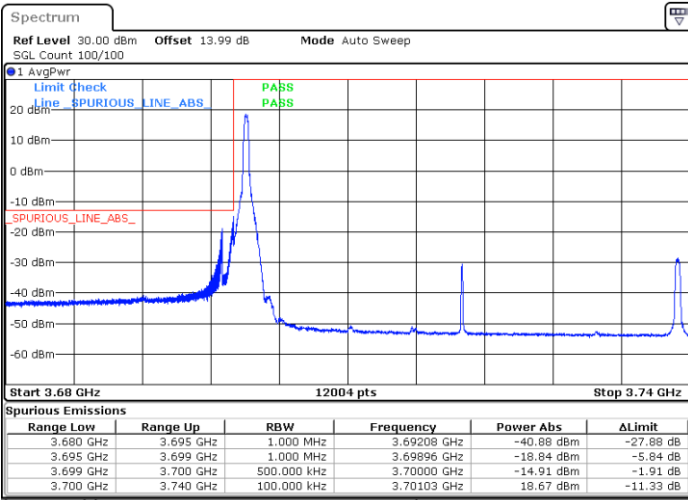
Date: 13.MAR.2021 15:12:55



FR1 n77 / 40MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

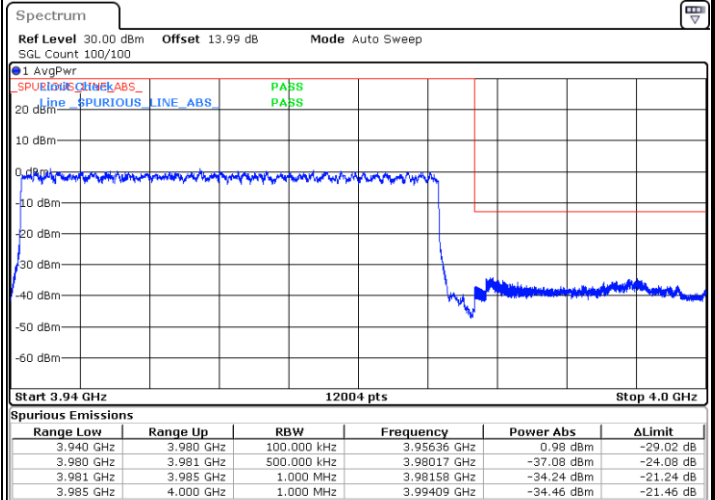
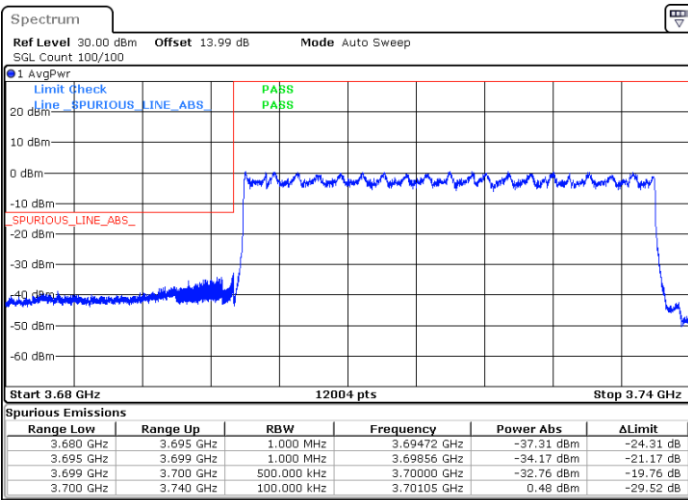


Date: 13.MAR.2021 15:56:35

Date: 13.MAR.2021 16:07:39

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 15:50:15

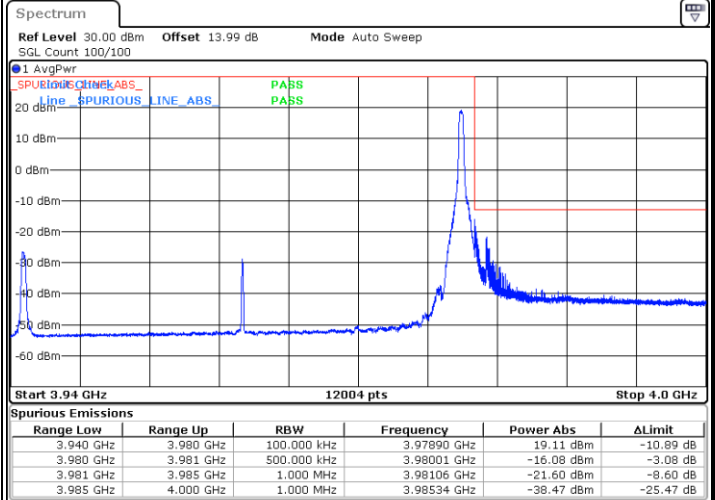
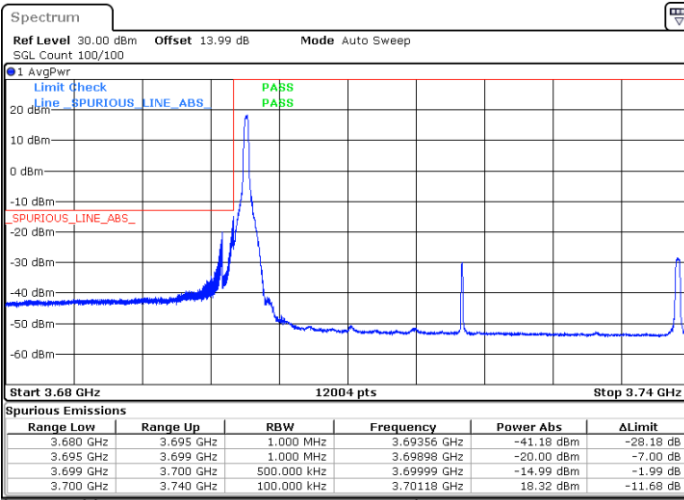
Date: 13.MAR.2021 16:01:07



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

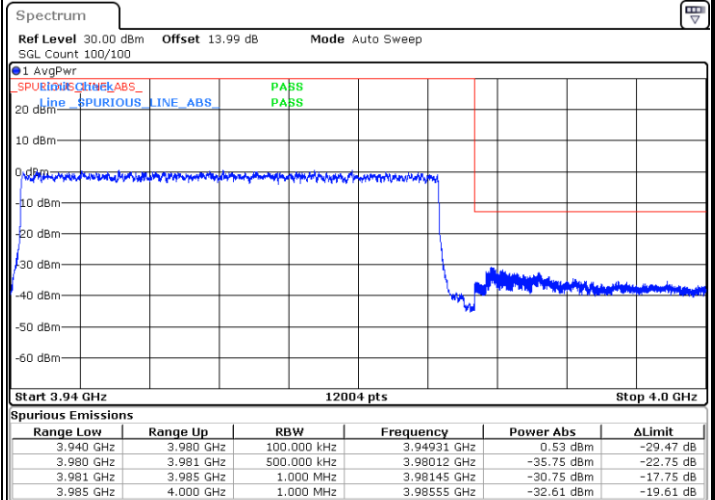
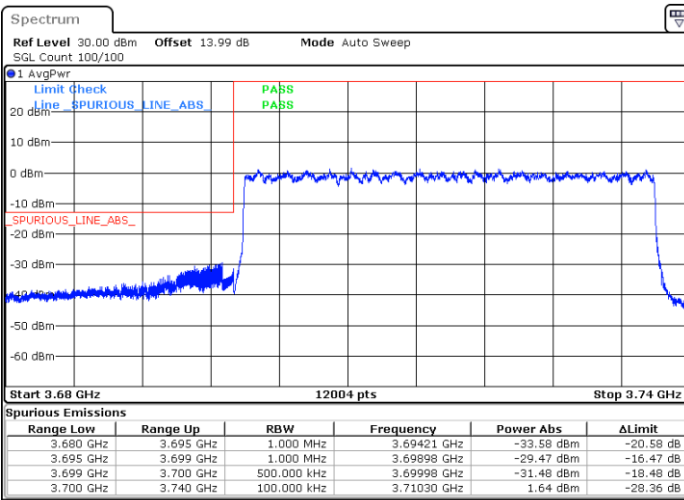


Date: 13.MAR.2021 15:55:53

Date: 13.MAR.2021 16:06:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.MAR.2021 15:50:59

Date: 13.MAR.2021 16:01:46