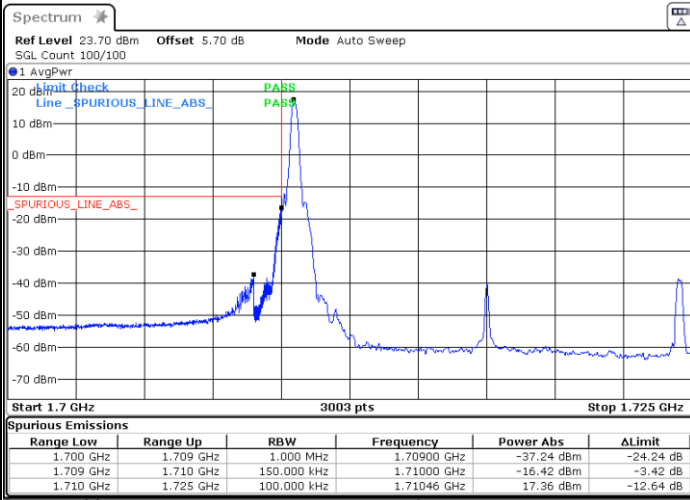




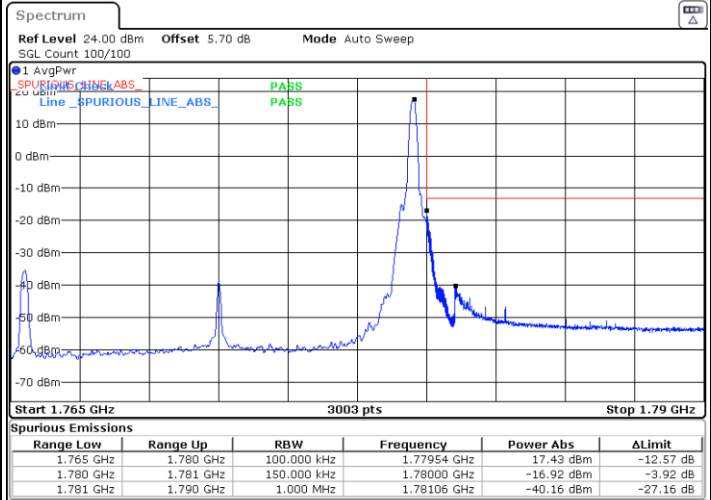
FR1 n66 / 15MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



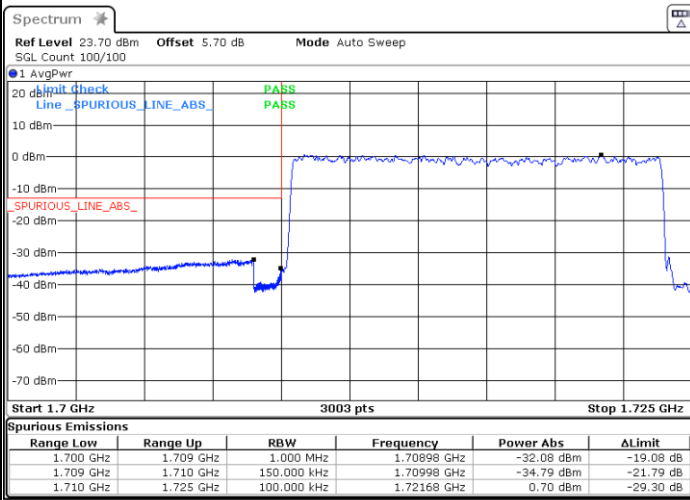
Date: 13.FEB.2021 03:34:24



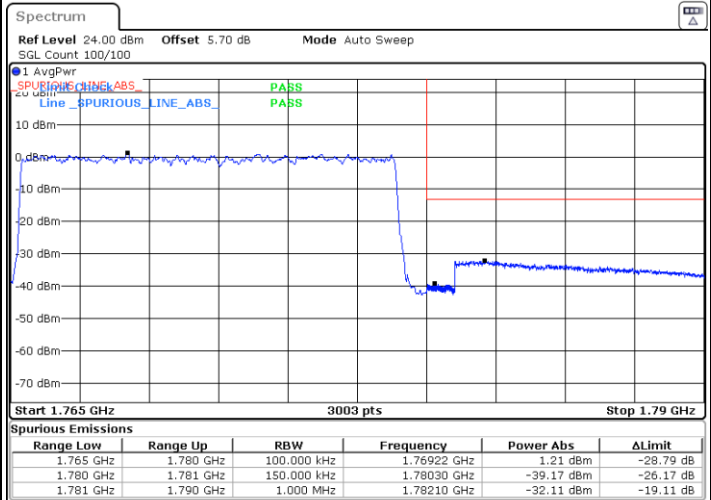
Date: 13.FEB.2021 04:05:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 03:59:59



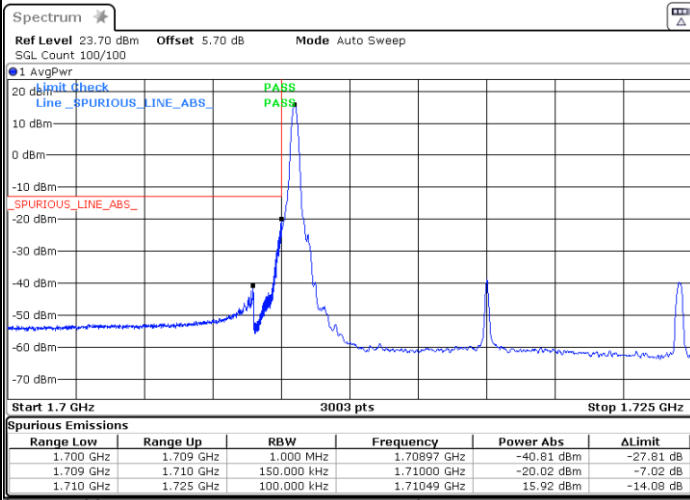
Date: 13.FEB.2021 04:02:24



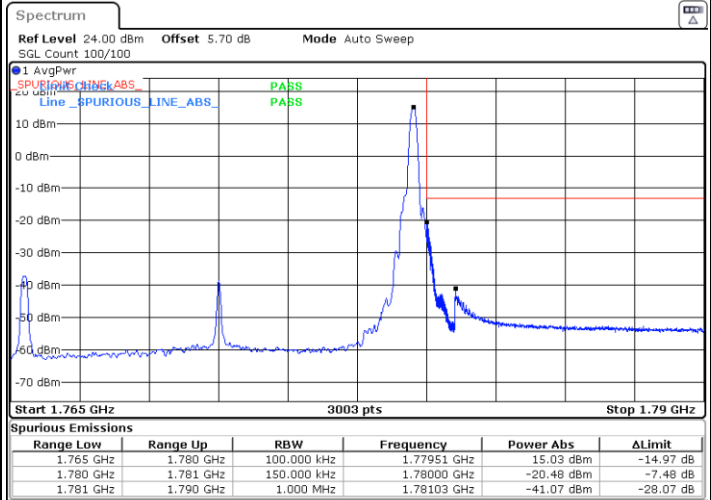
FR1 n66 / 15MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



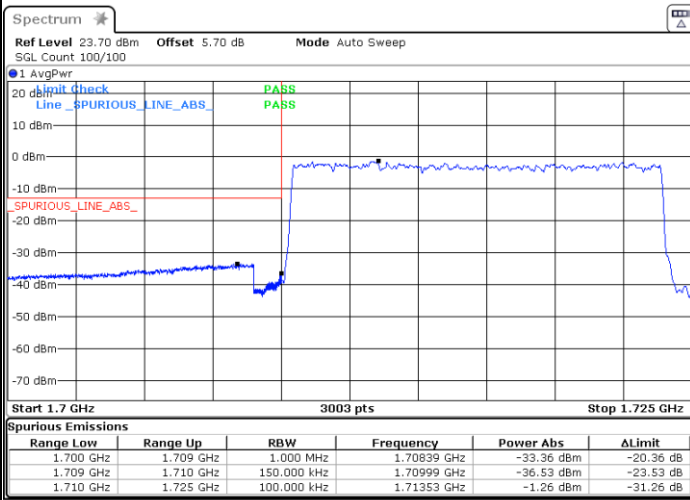
Date: 13.FEB.2021 03:54:20



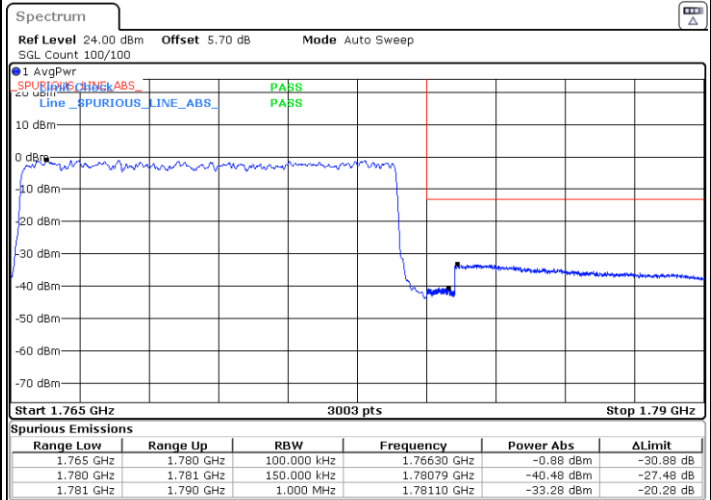
Date: 13.FEB.2021 04:06:00

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 04:00:45



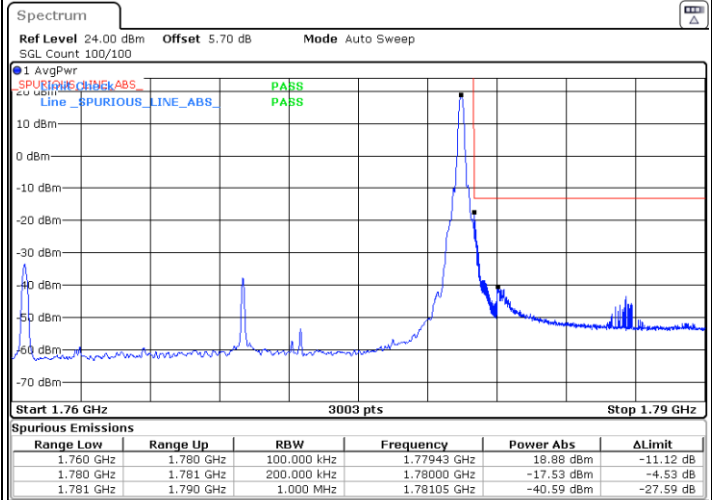
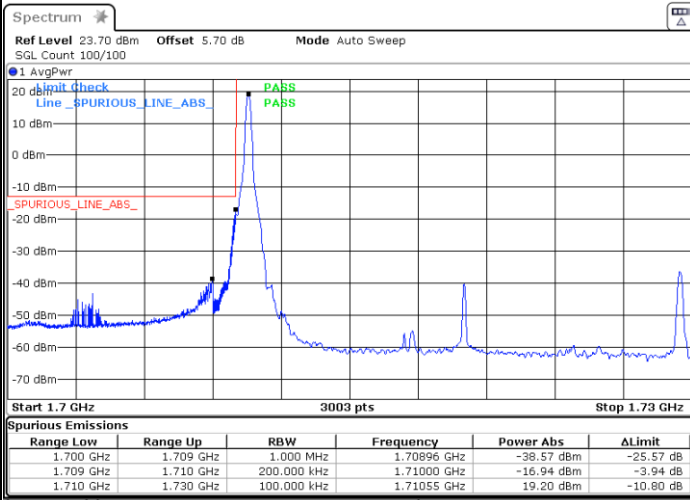
Date: 13.FEB.2021 04:01:52



FR1 n66 / 20MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

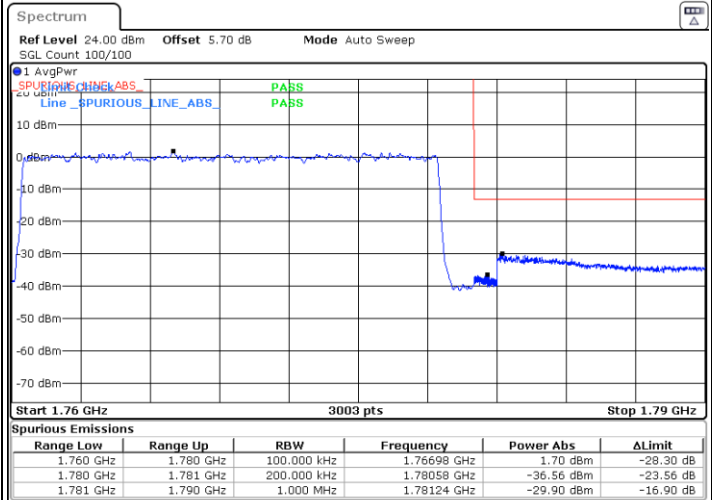
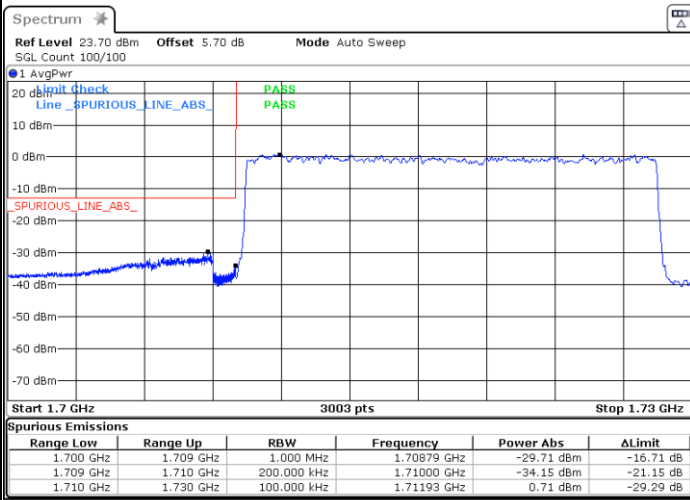


Date: 13.FEB.2021 05:03:29

Date: 13.FEB.2021 05:20:39

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 04:21:05

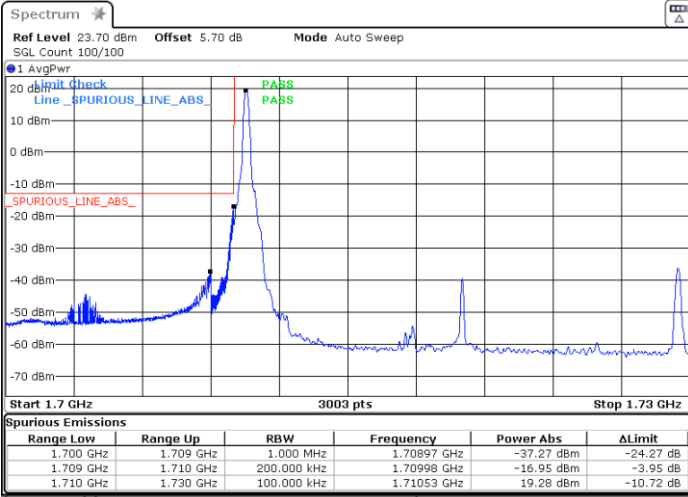
Date: 13.FEB.2021 05:20:04



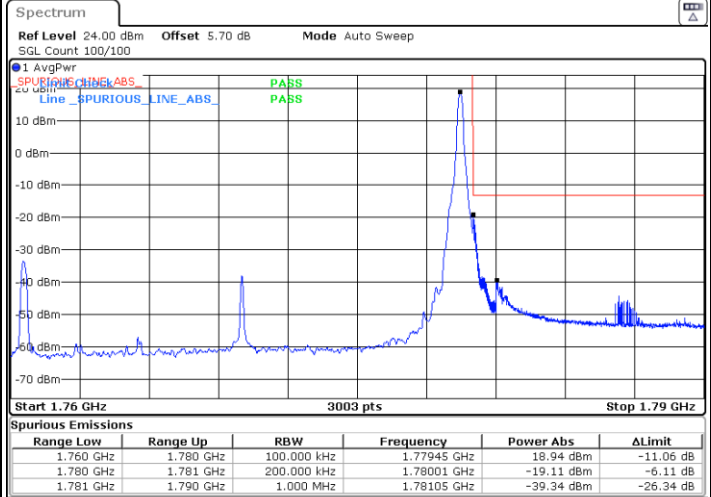
FR1 n66 / 20MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



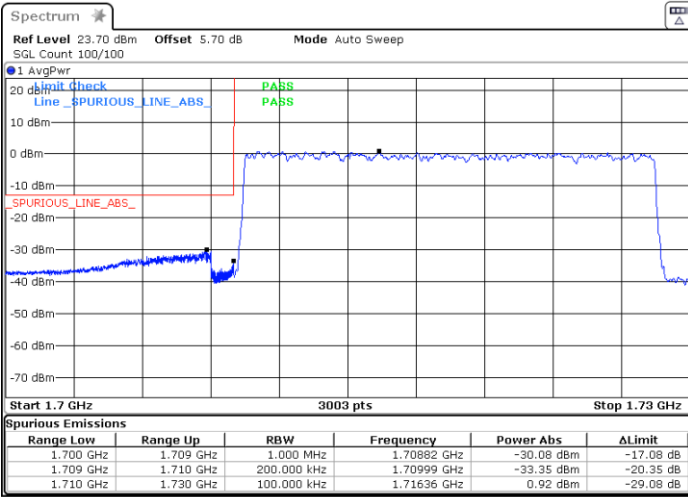
Date: 13.FEB.2021 05:03:46



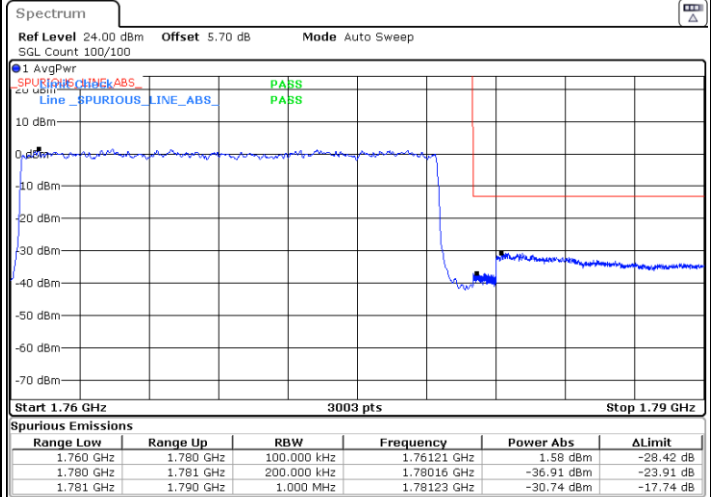
Date: 13.FEB.2021 05:20:48

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 04:20:32



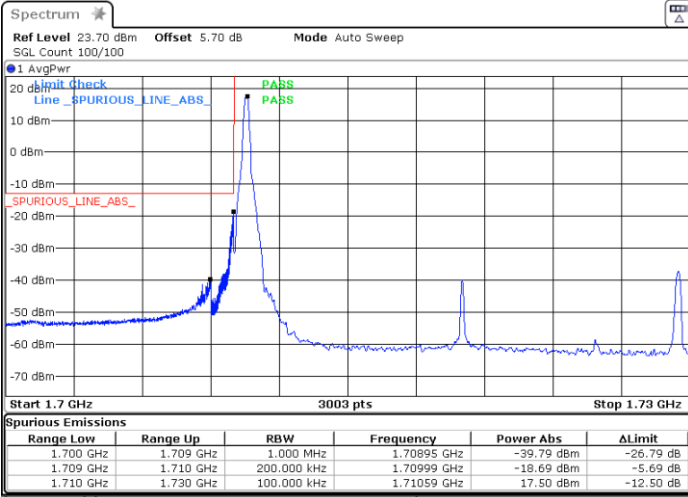
Date: 13.FEB.2021 05:19:43



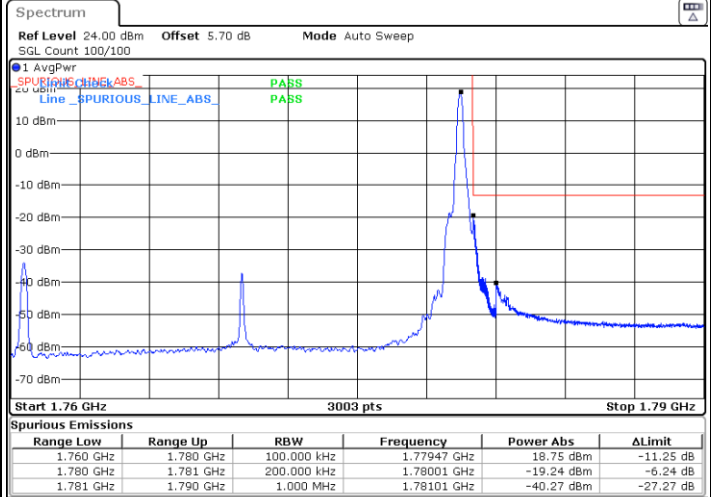
FR1 n66 / 20MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



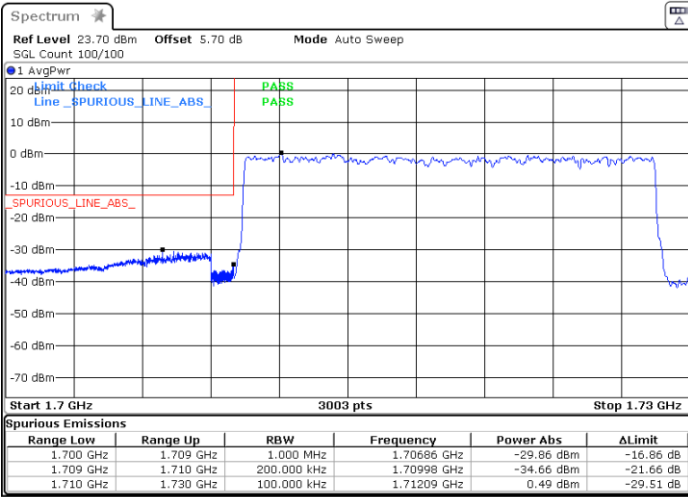
Date: 13.FEB.2021 05:04:28



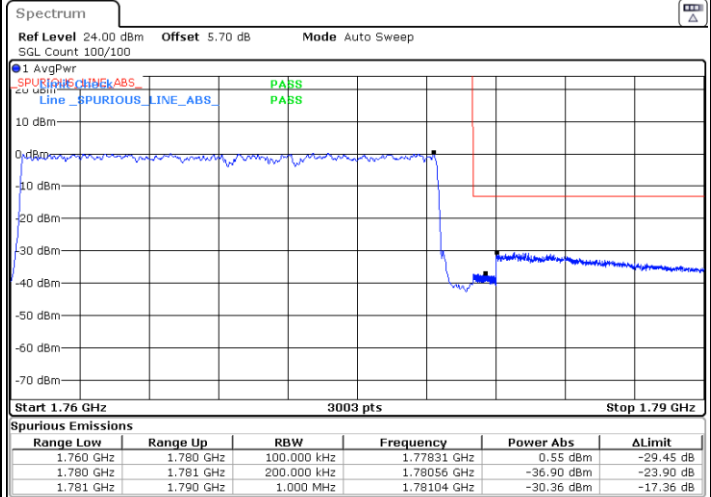
Date: 13.FEB.2021 05:21:01

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 04:19:57



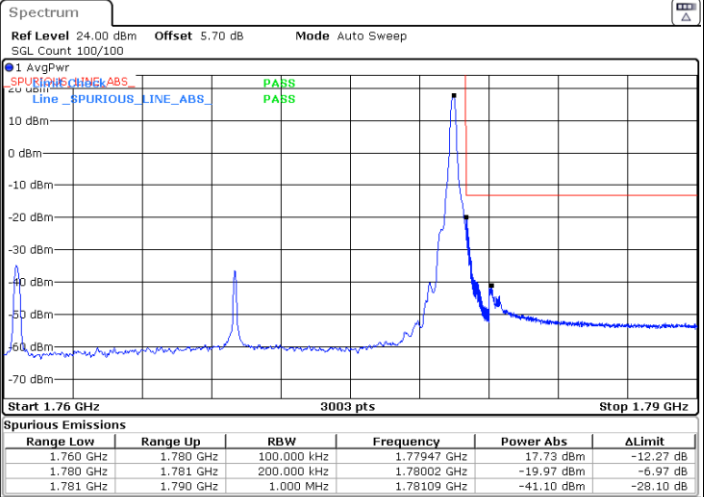
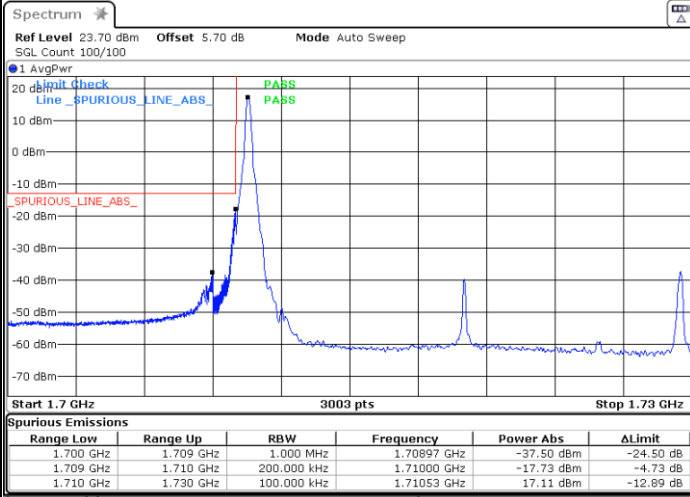
Date: 13.FEB.2021 05:19:25



FR1 n66 / 20MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

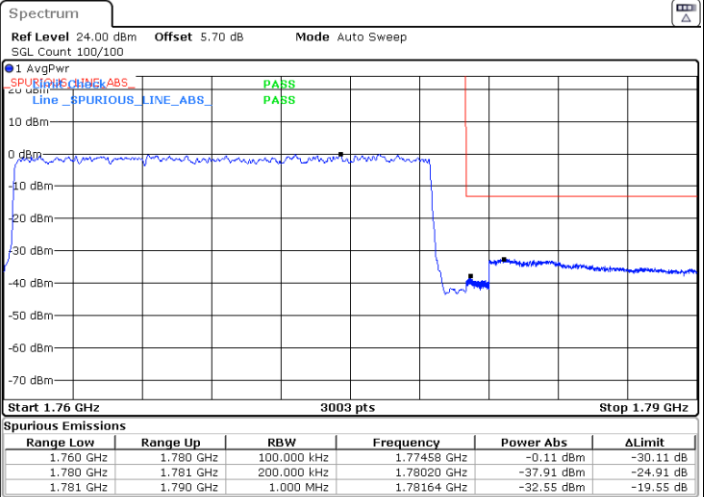
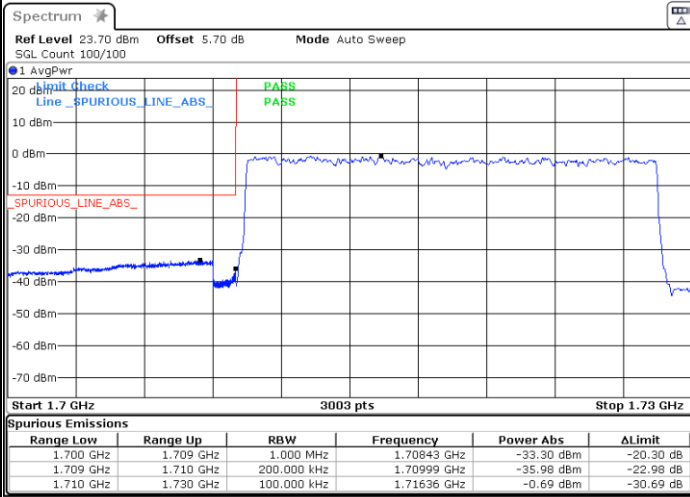


Date: 13.FEB.2021 05:17:23

Date: 13.FEB.2021 05:21:13

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 04:19:36

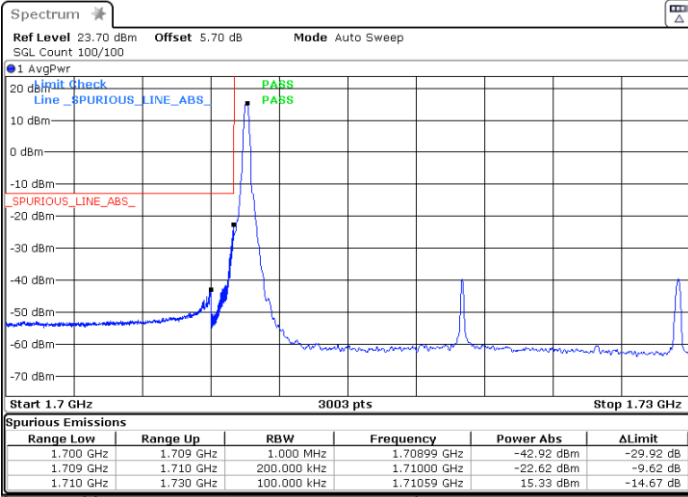
Date: 13.FEB.2021 05:19:10



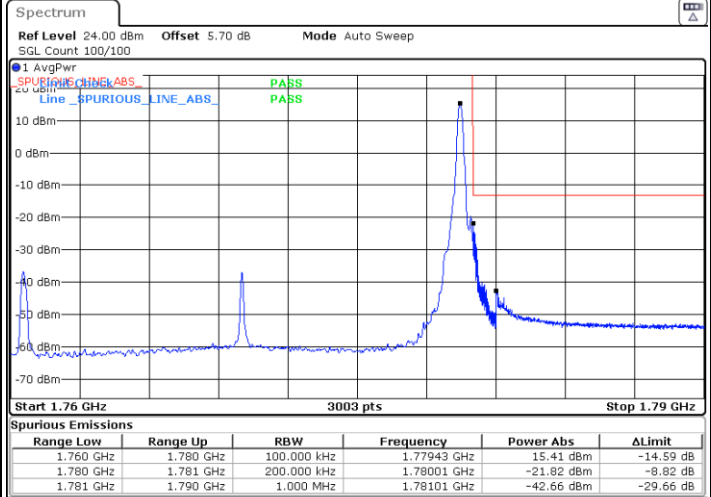
FR1 n66 / 20MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



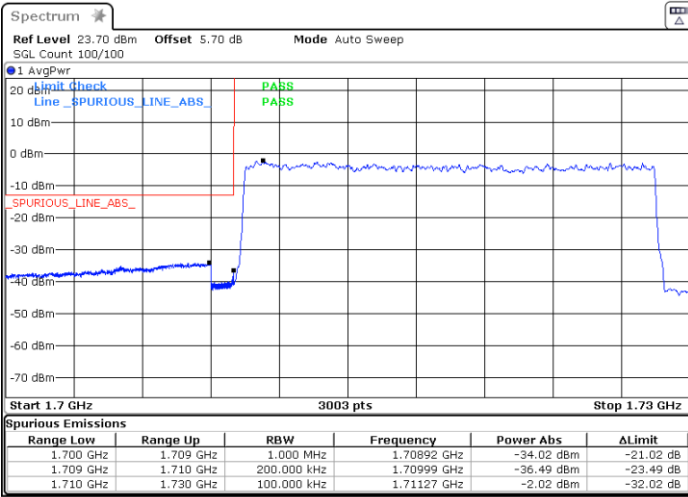
Date: 13.FEB.2021 05:17:46



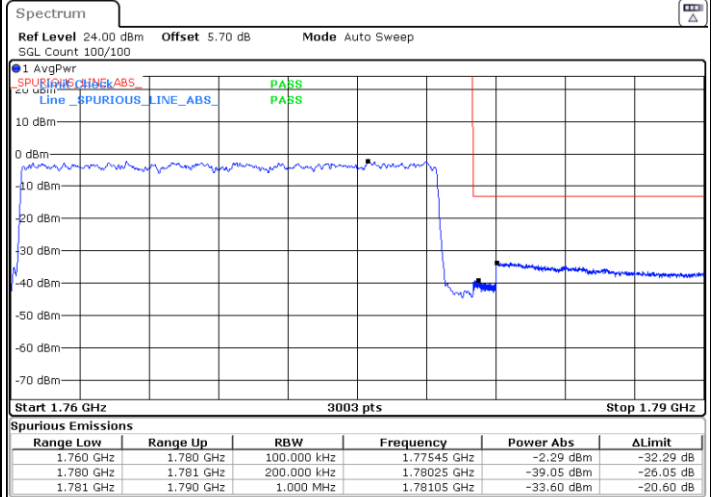
Date: 13.FEB.2021 05:21:29

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 04:19:05



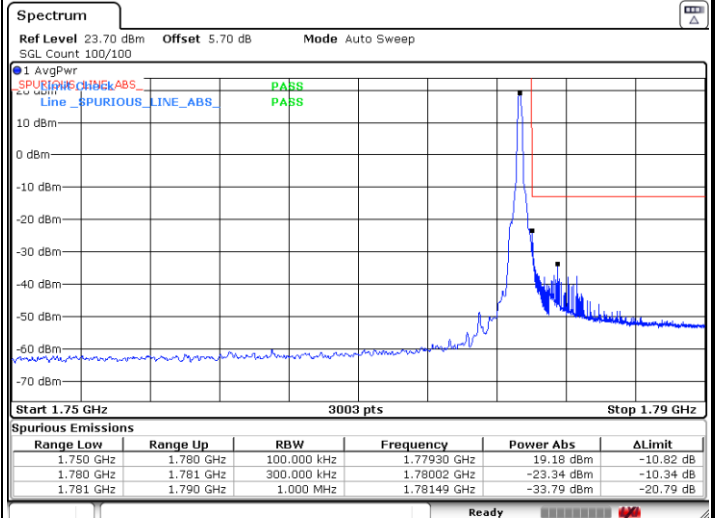
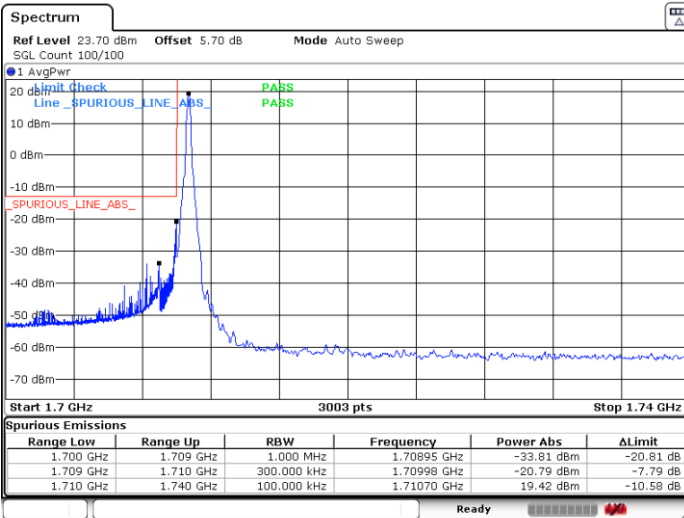
Date: 13.FEB.2021 05:18:55



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

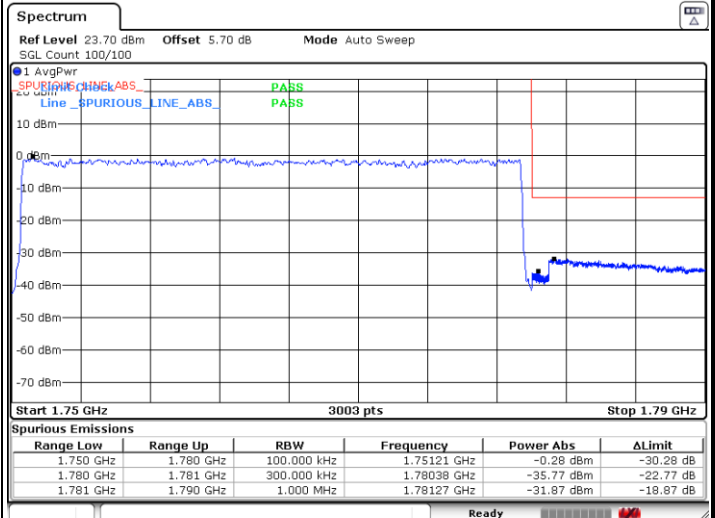
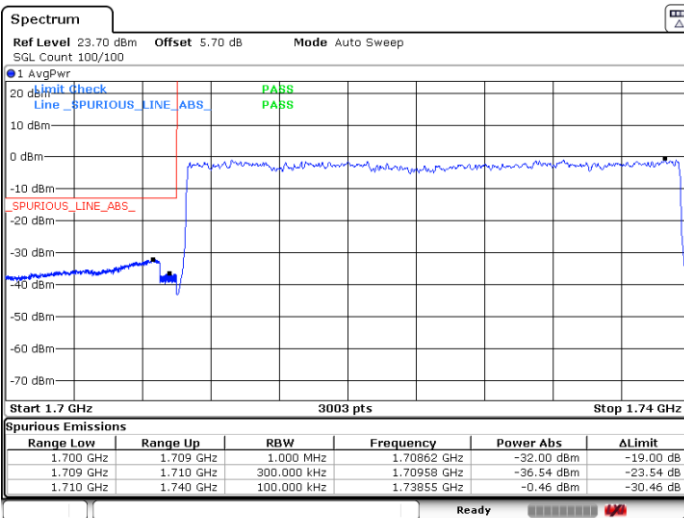


Date: 13.FEB.2021 05:49:19

Date: 13.FEB.2021 05:57:49

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 05:48:19

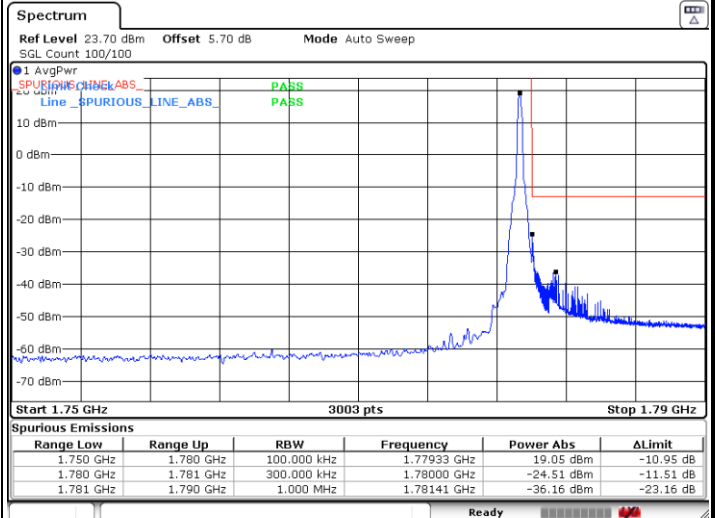
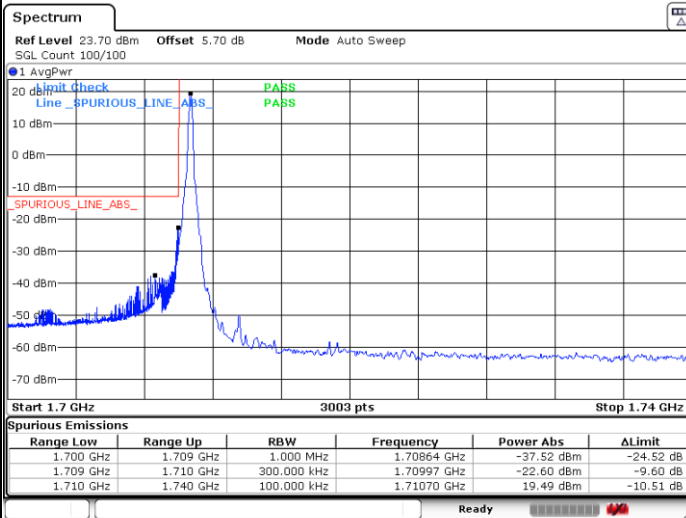
Date: 13.FEB.2021 05:57:05



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

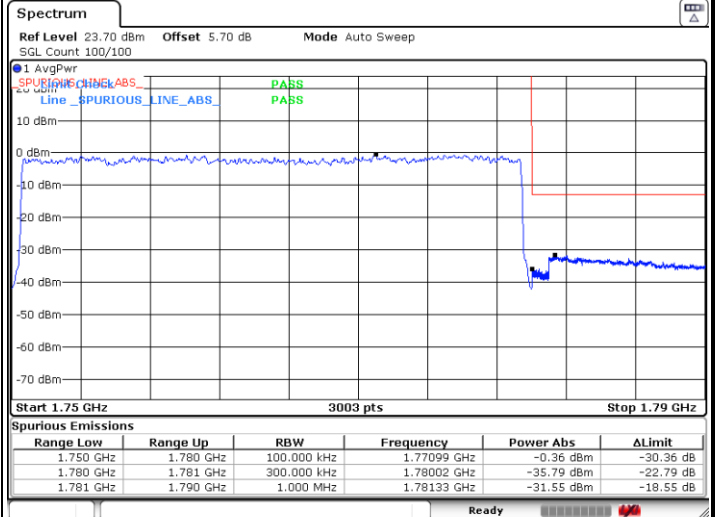
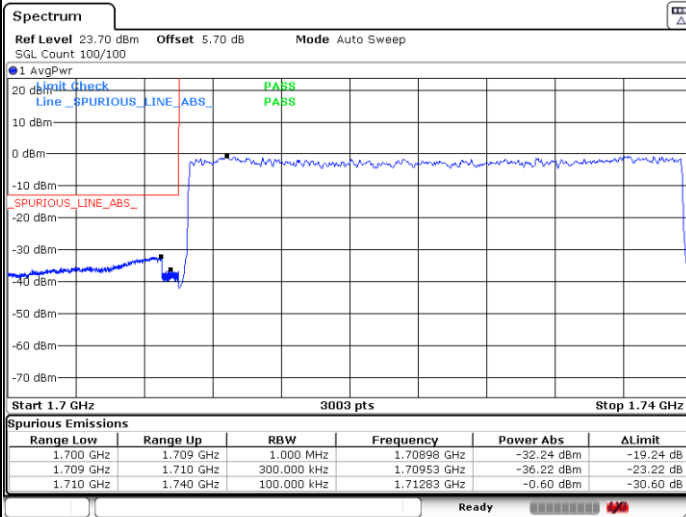


Date: 13.FEB.2021 05:49:40

Date: 13.FEB.2021 05:58:27

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 05:48:06

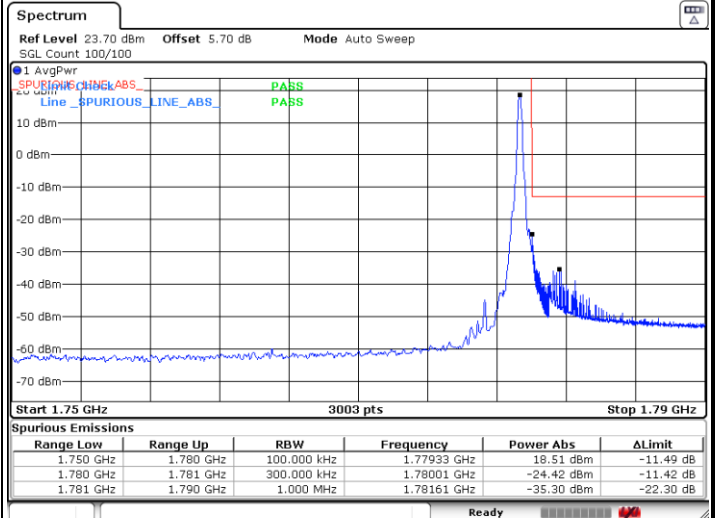
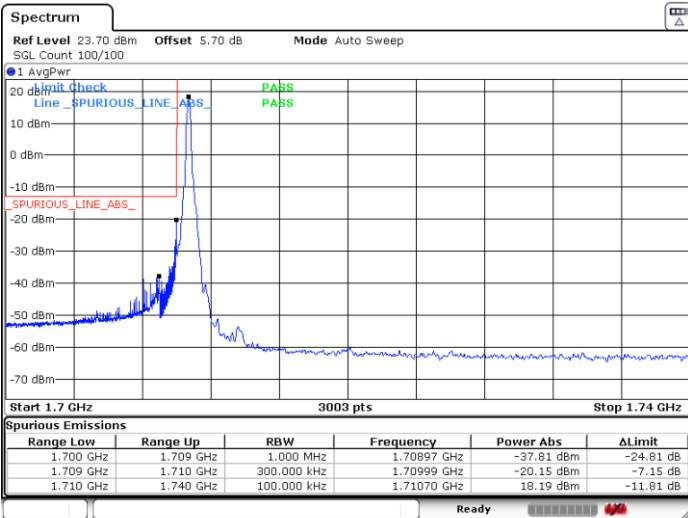
Date: 13.FEB.2021 05:56:56



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

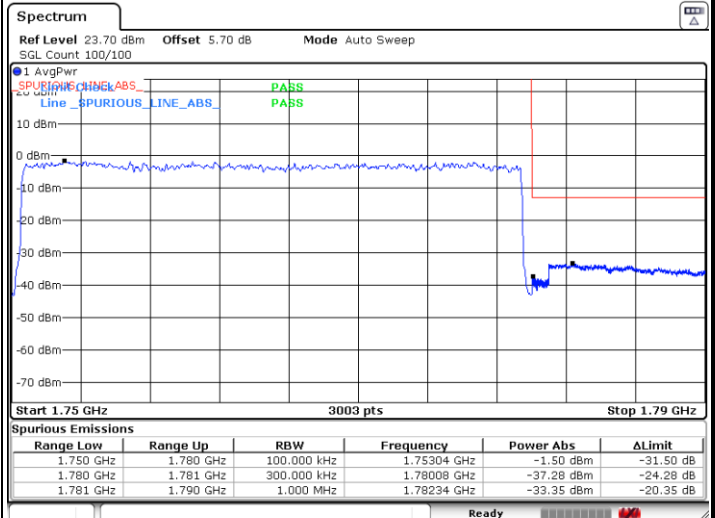
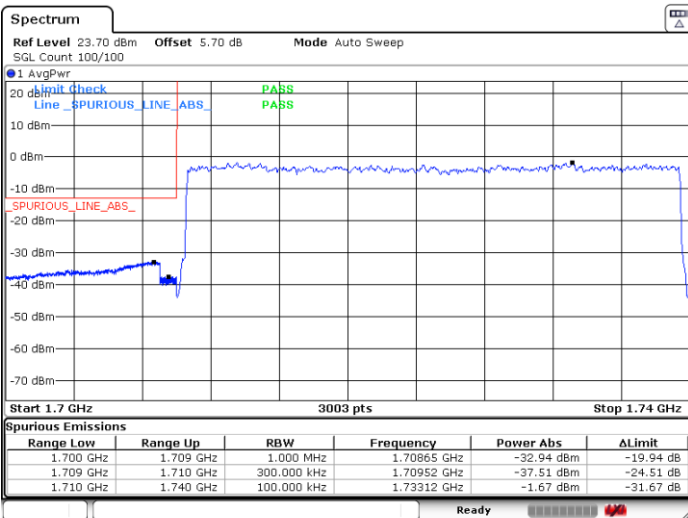


Date: 13.FEB.2021 05:49:56

Date: 13.FEB.2021 05:58:41

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 05:47:42

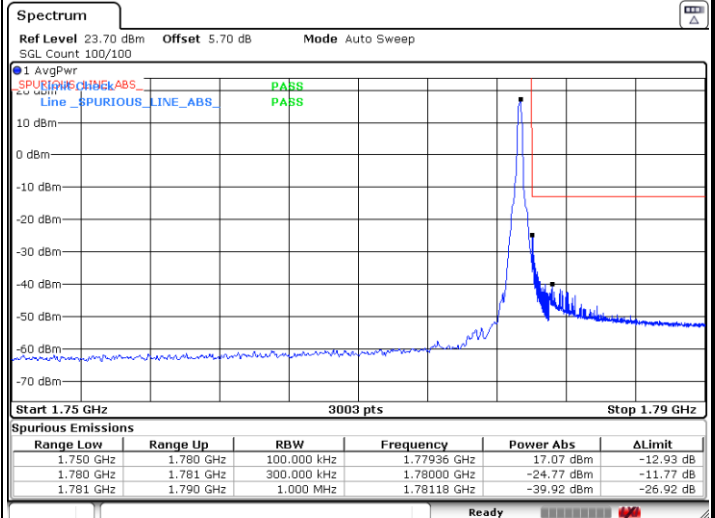
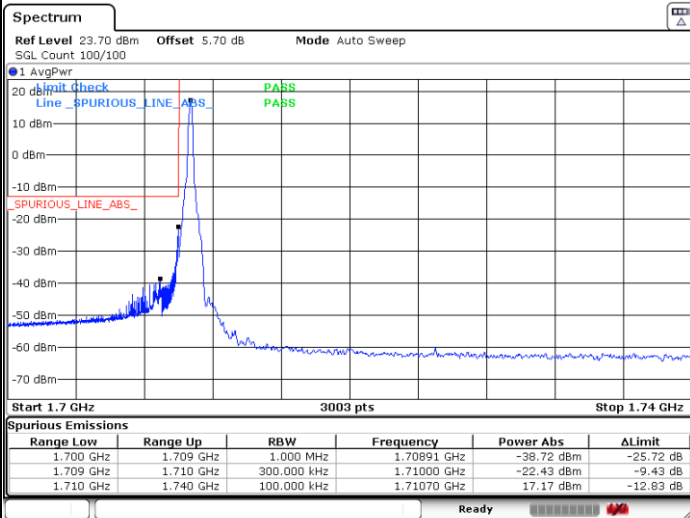
Date: 13.FEB.2021 05:56:39



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

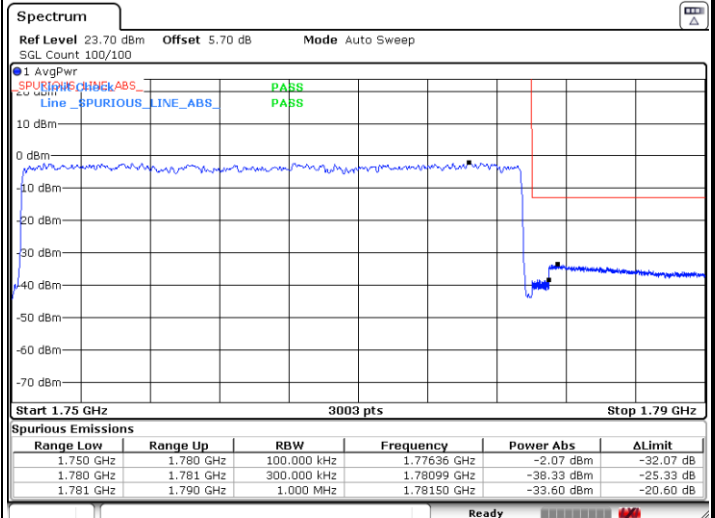
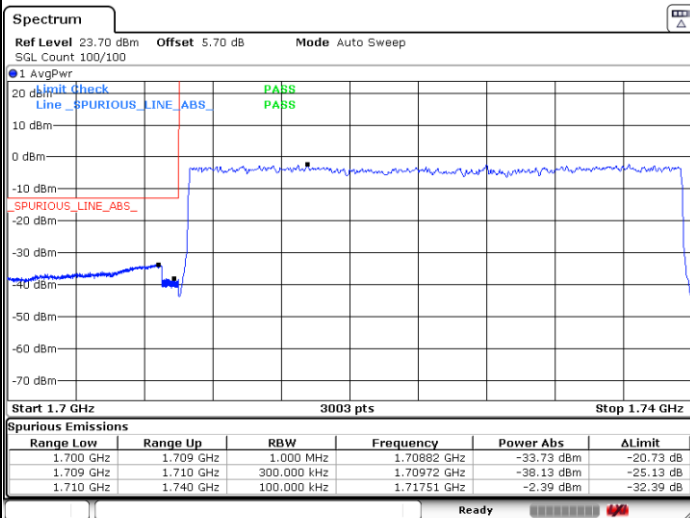


Date: 13.FEB.2021 05:50:17

Date: 13.FEB.2021 05:58:54

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 05:47:11

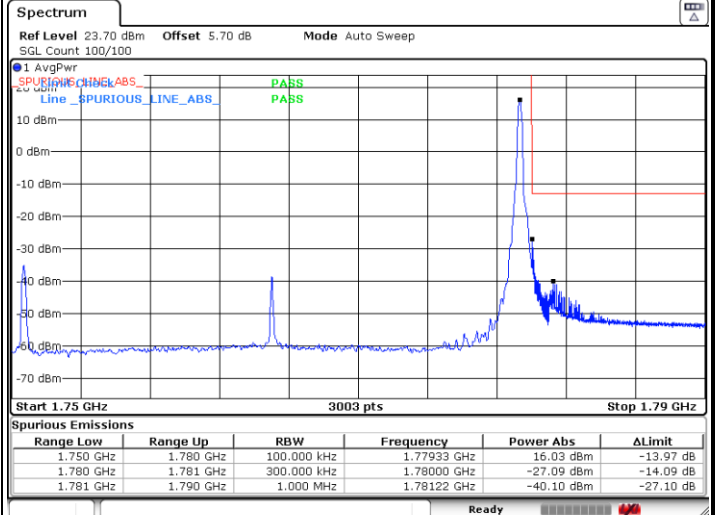
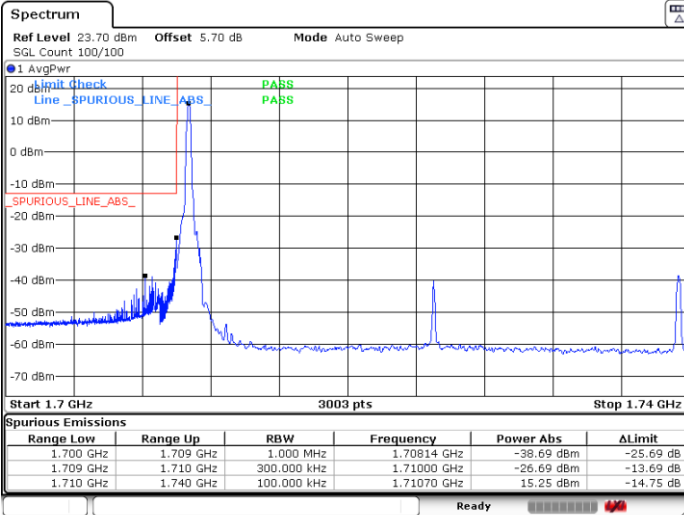
Date: 13.FEB.2021 05:56:19



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

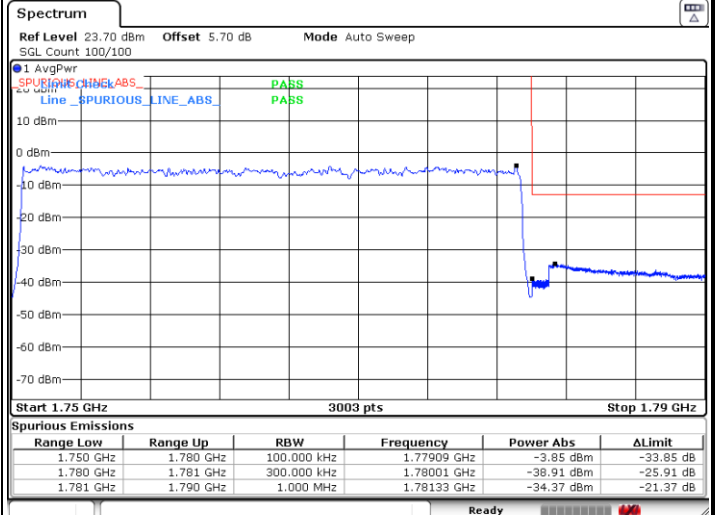
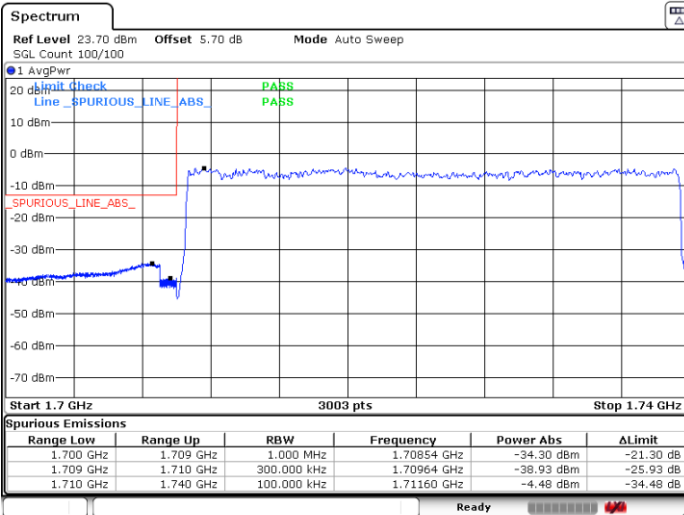


Date: 13.FEB.2021 05:50:40

Date: 13.FEB.2021 05:59:19

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 05:47:30

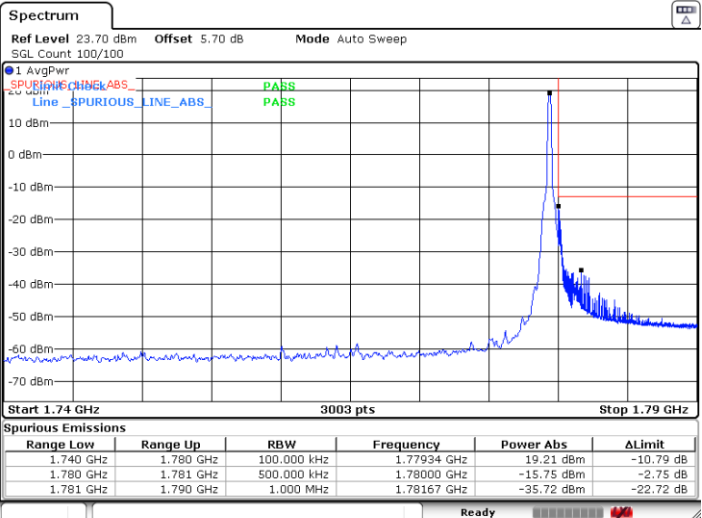
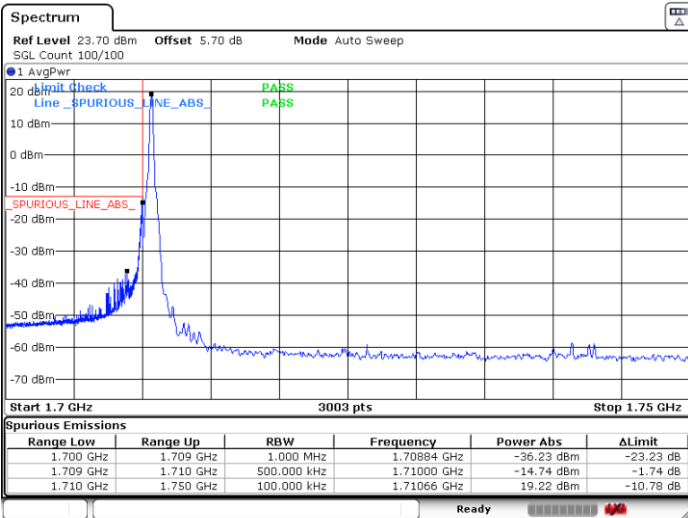
Date: 13.FEB.2021 05:55:32



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

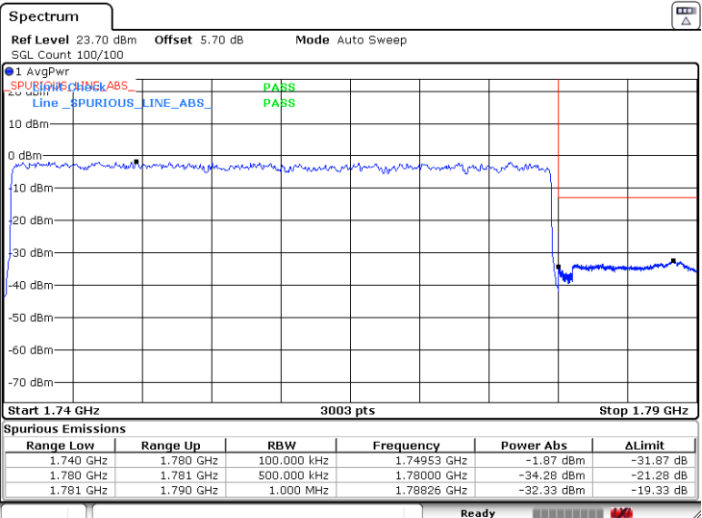
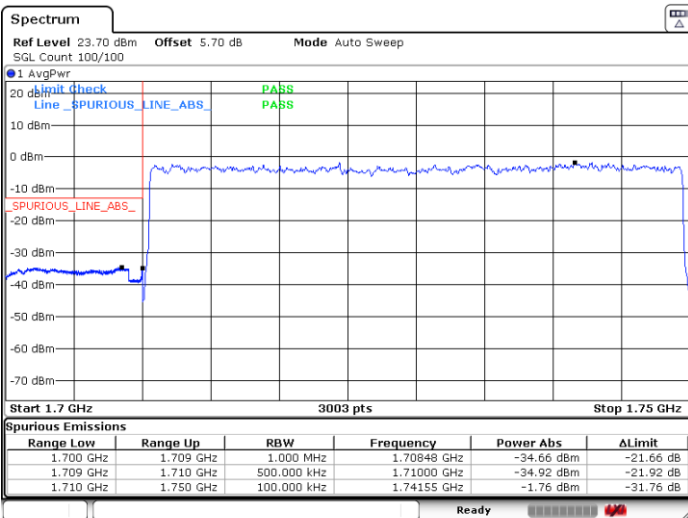


Date: 13.FEB.2021 06:19:17

Date: 13.FEB.2021 06:06:53

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 06:21:55

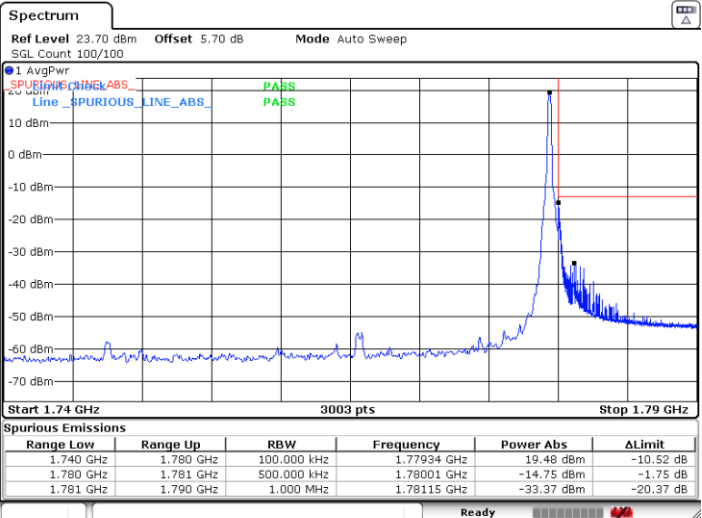
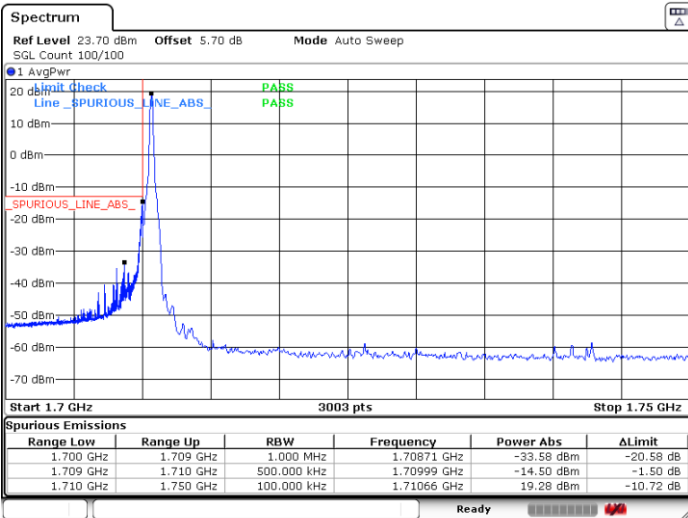
Date: 13.FEB.2021 06:06:05



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

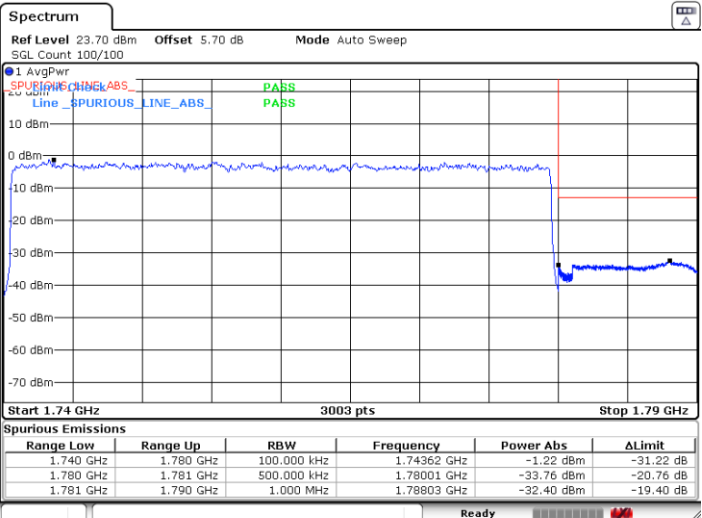
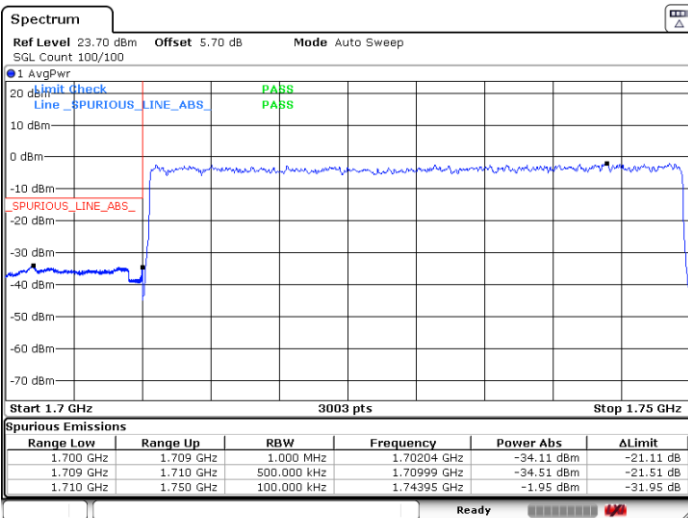


Date: 13.FEB.2021 06:18:59

Date: 13.FEB.2021 06:07:20

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 06:22:16

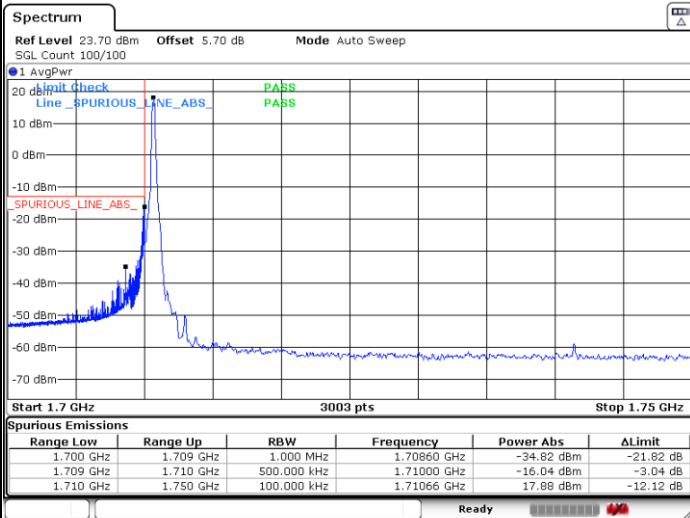
Date: 13.FEB.2021 06:05:55



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

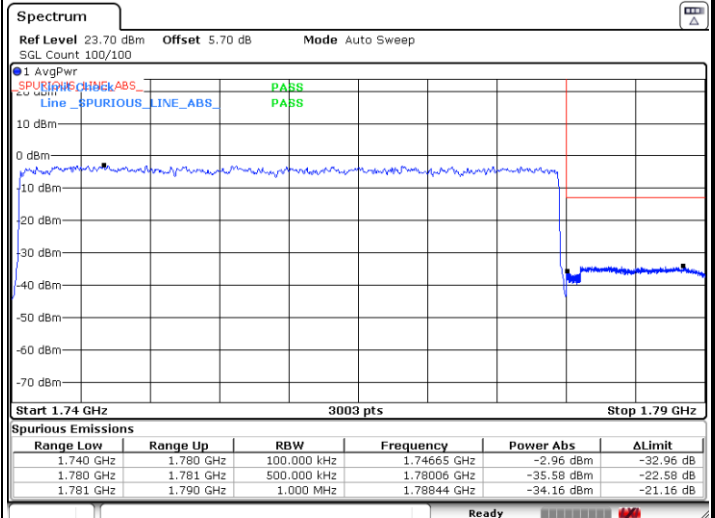
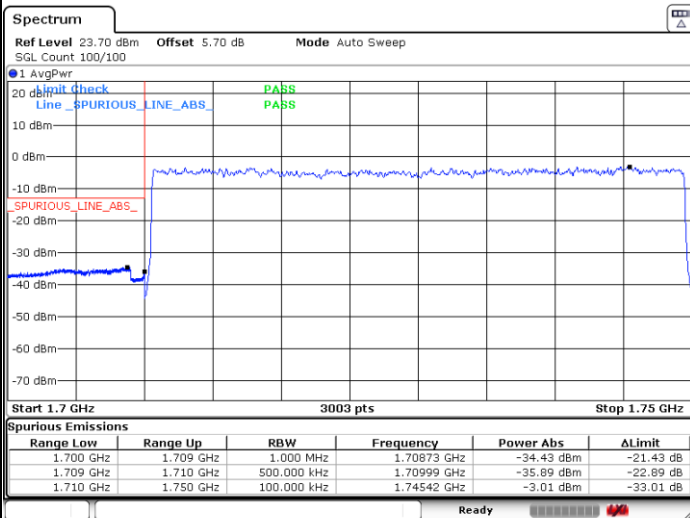


Date: 13.FEB.2021 06:18:12

Date: 13.FEB.2021 06:07:40

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 06:22:34

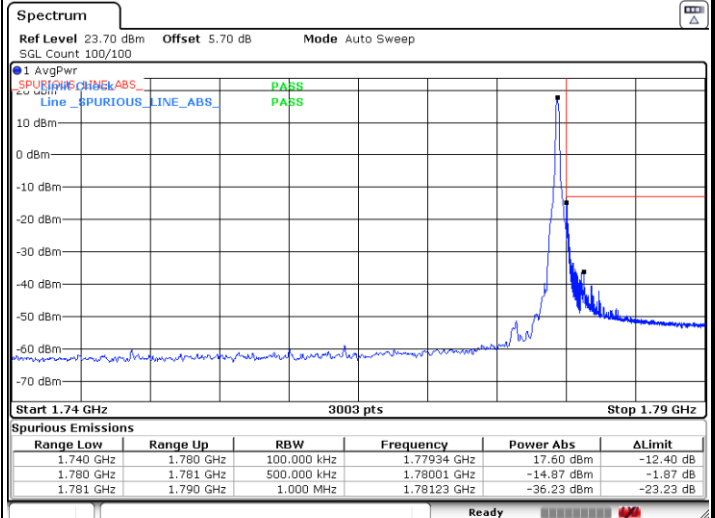
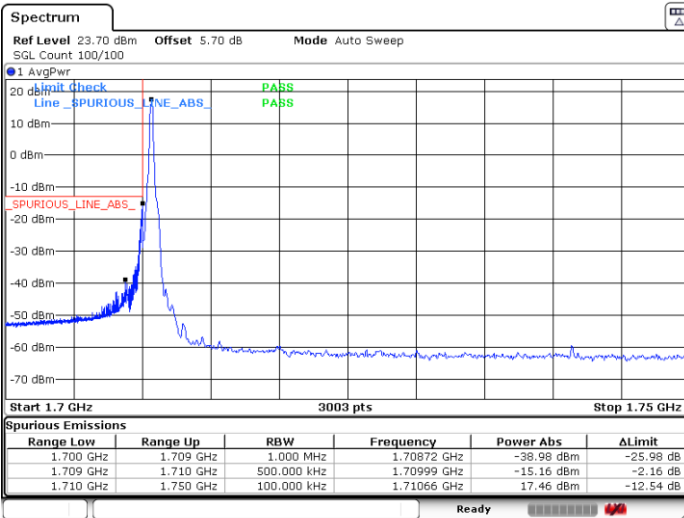
Date: 13.FEB.2021 06:05:38



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

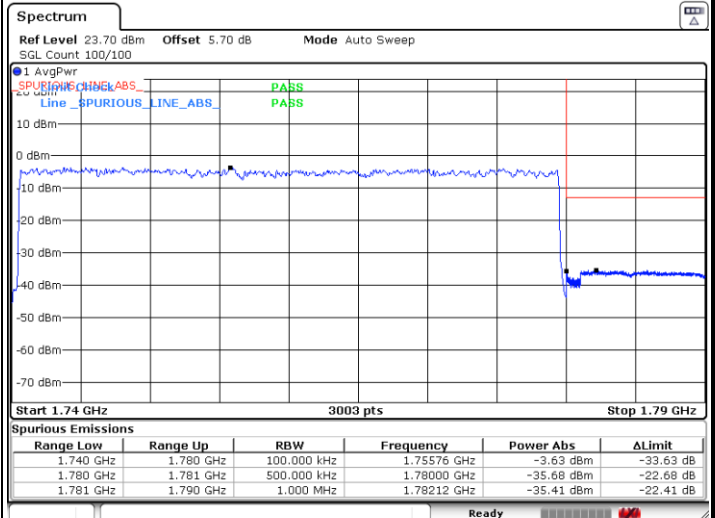
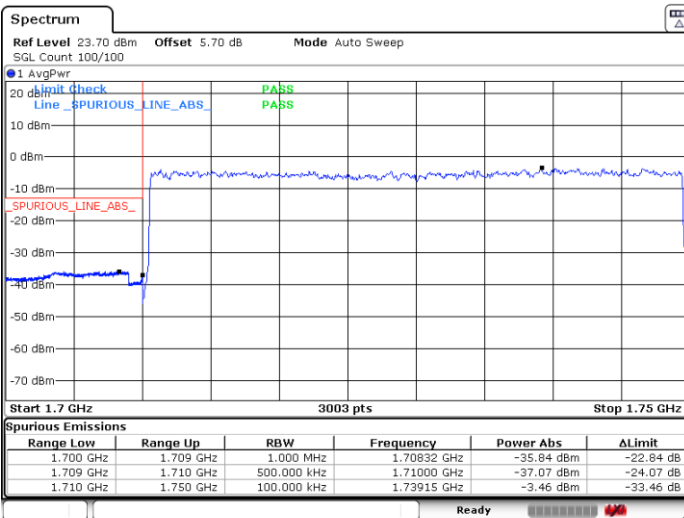
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

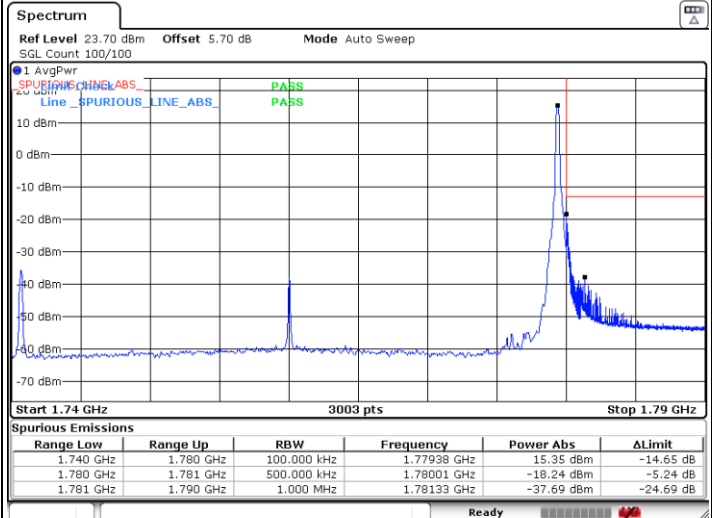
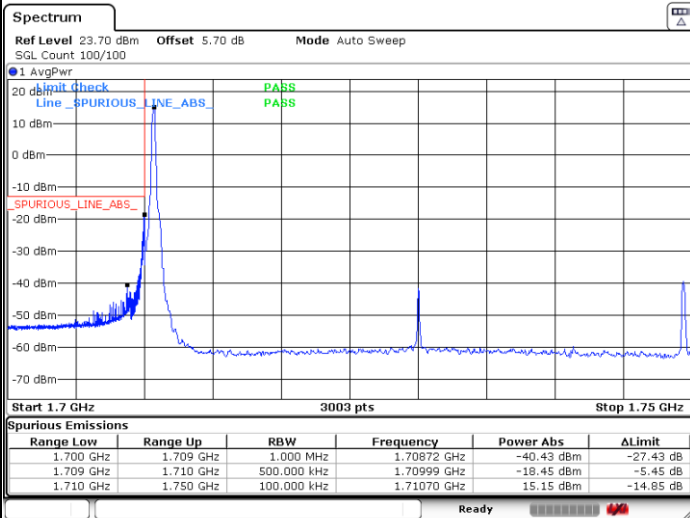




FR1 n66 / 40MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

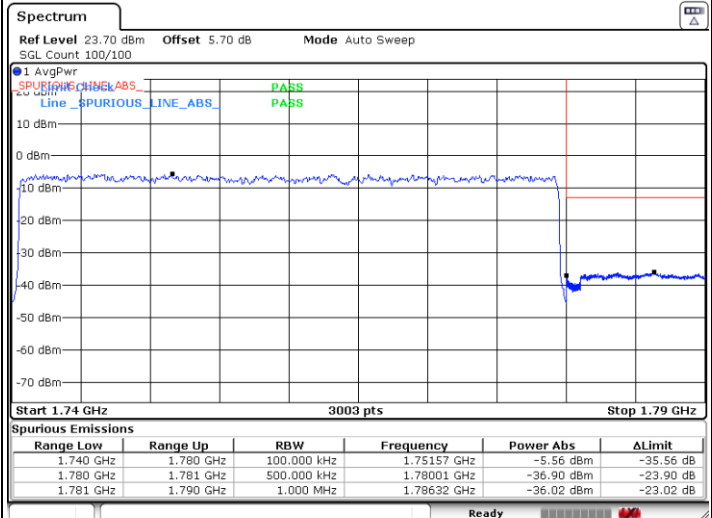
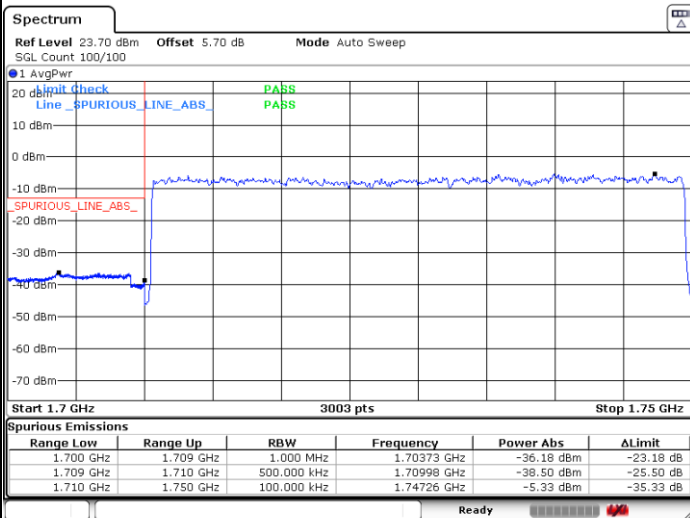


Date: 13.FEB.2021 06:17:10

Date: 13.FEB.2021 06:08:27

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 06:23:08

Date: 13.FEB.2021 06:04:24

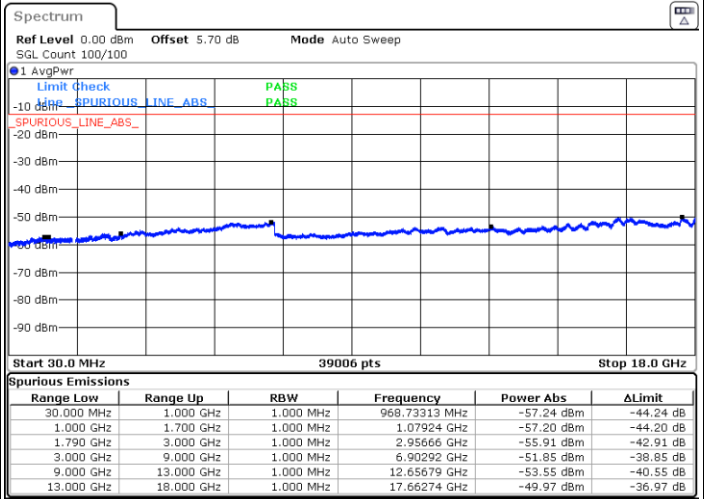
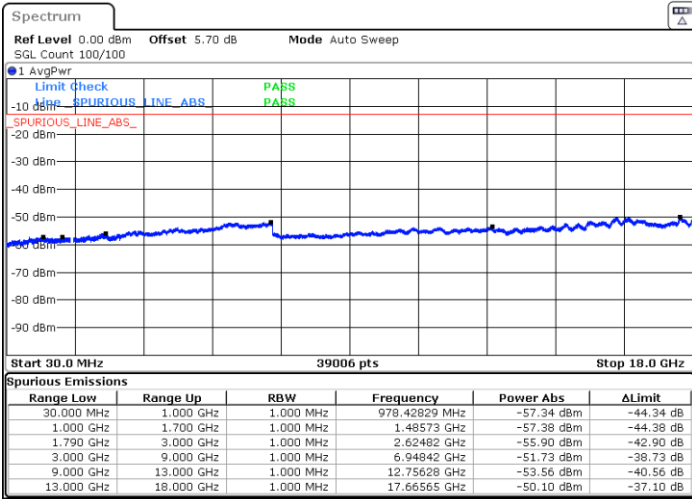


Conducted Spurious Emission

FR1 n66 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

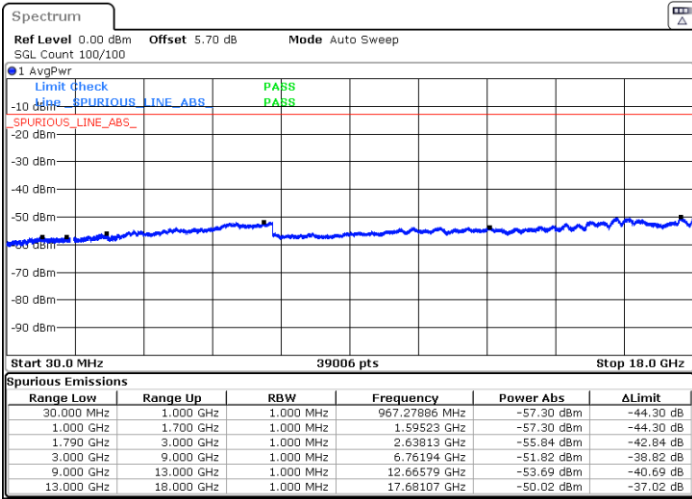
Middle Channel / 1RB1



Date: 13.FEB.2021 06:26:18

Date: 13.FEB.2021 06:29:31

Highest Channel / 1RB1



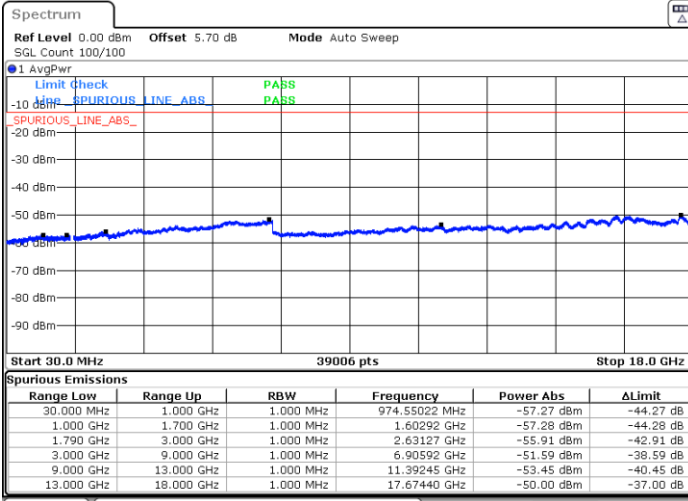
Date: 13.FEB.2021 06:30:10



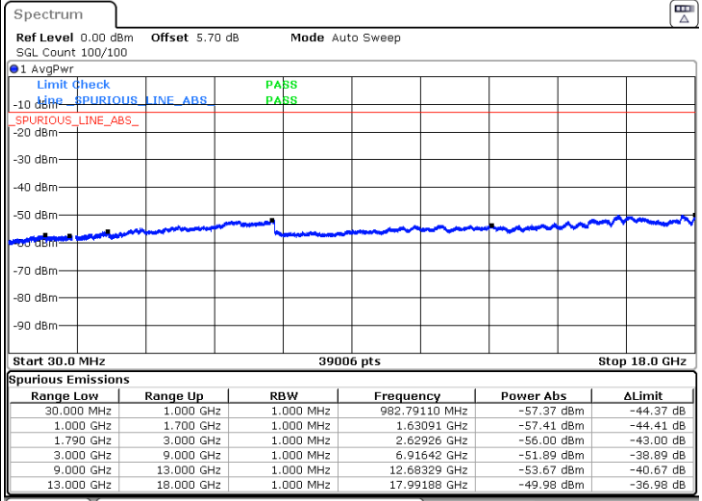
FR1 n66 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

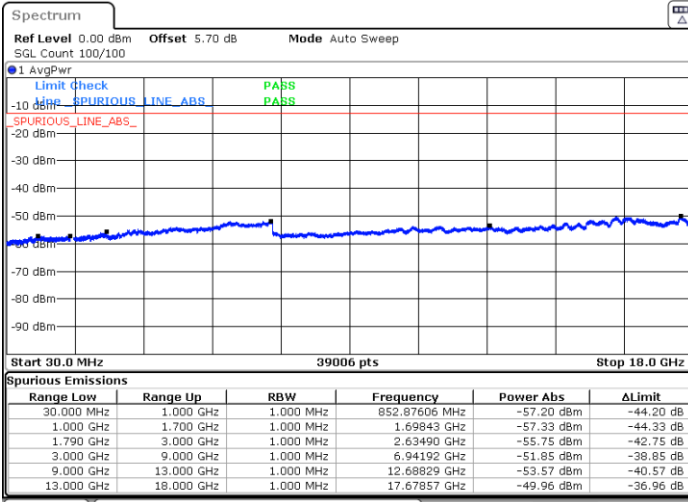


Date: 13.FEB.2021 07:07:20



Date: 13.FEB.2021 07:07:59

Highest Channel / 1RB1



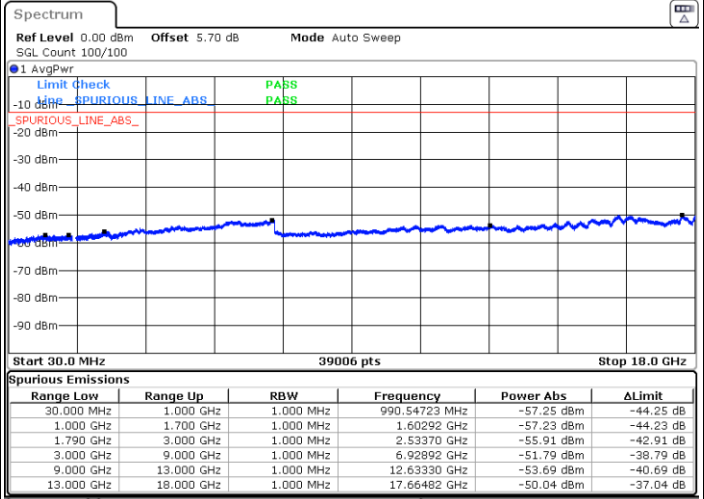
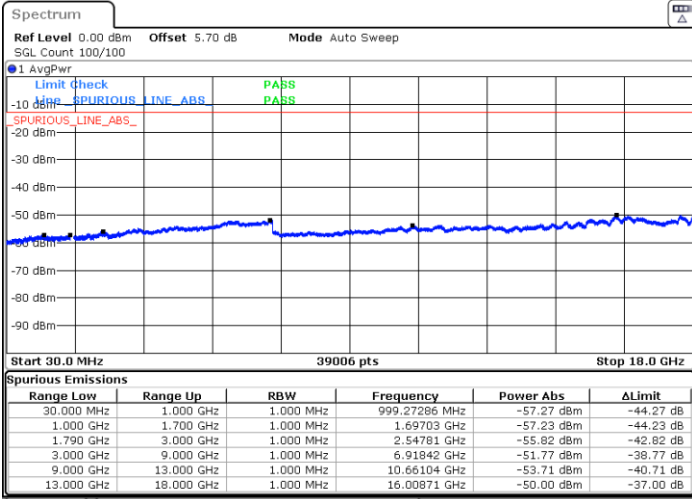
Date: 13.FEB.2021 07:08:39



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

Lowest Channel / 1RB1

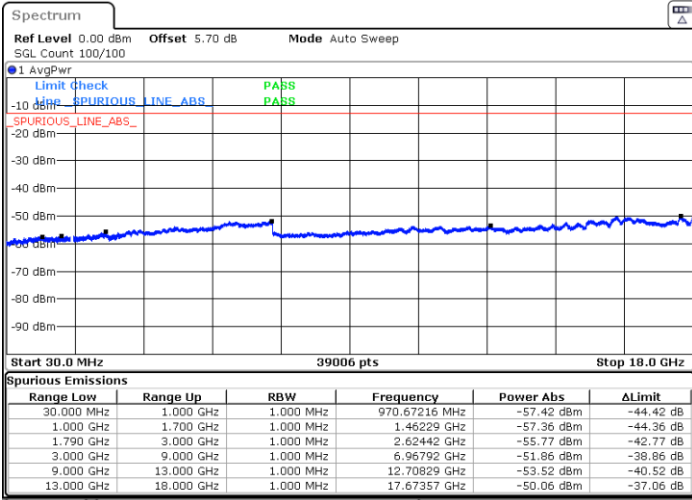
Middle Channel / 1RB1



Date: 13.FEB.2021 07:10:40

Date: 13.FEB.2021 07:12:32

Highest Channel / 1RB1



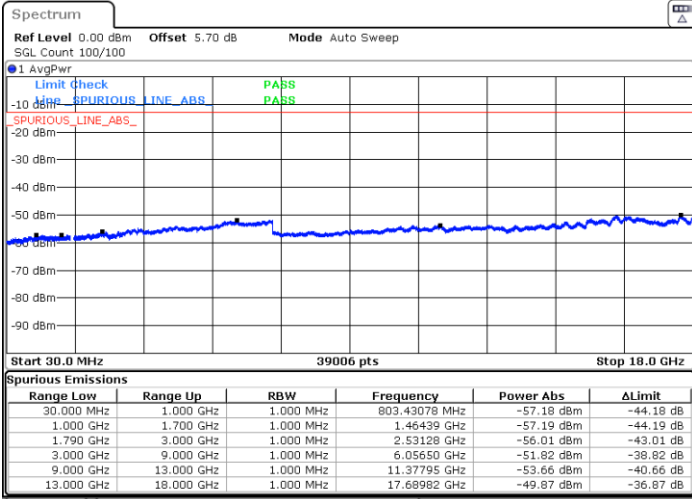
Date: 13.FEB.2021 07:13:10



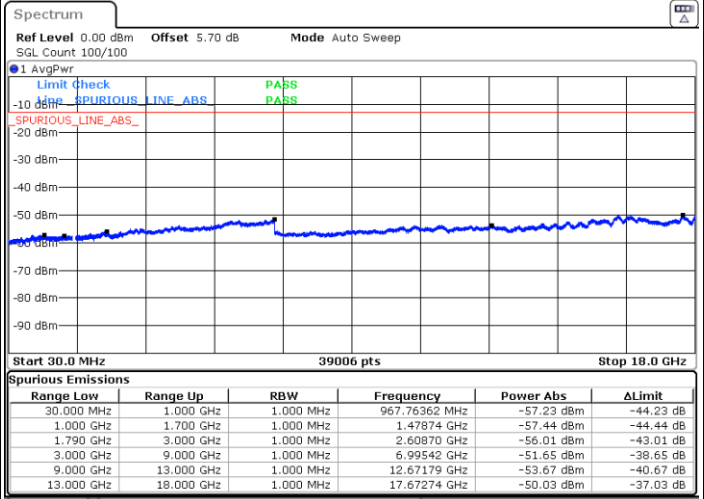
FR1 n66 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

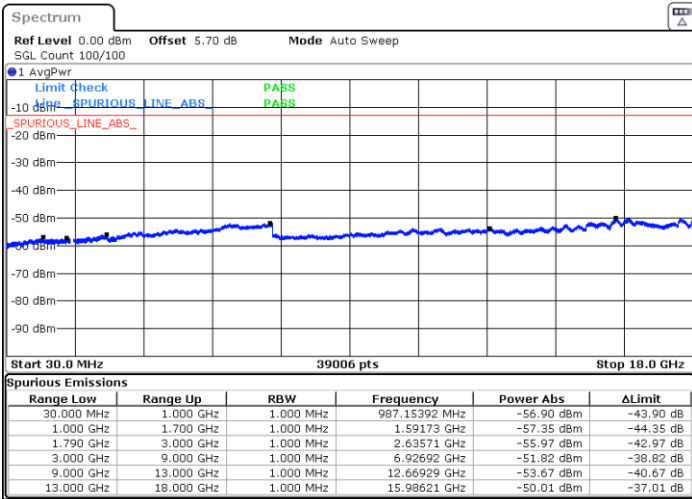


Date: 13.FEB.2021 07:14:44



Date: 13.FEB.2021 07:15:23

Highest Channel / 1RB1



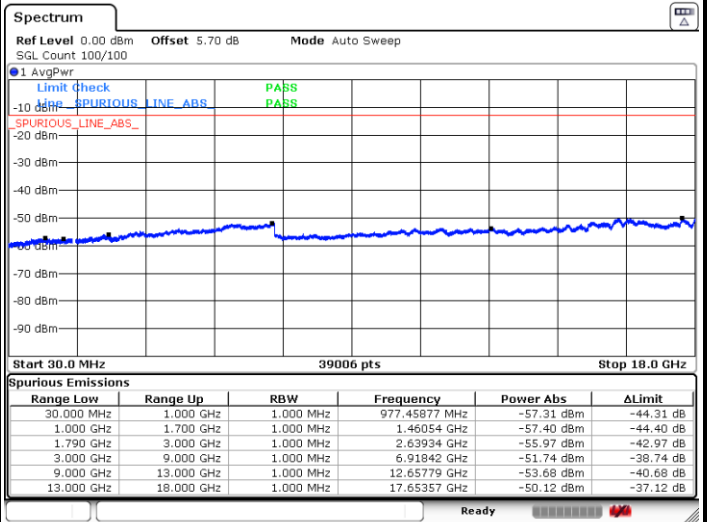
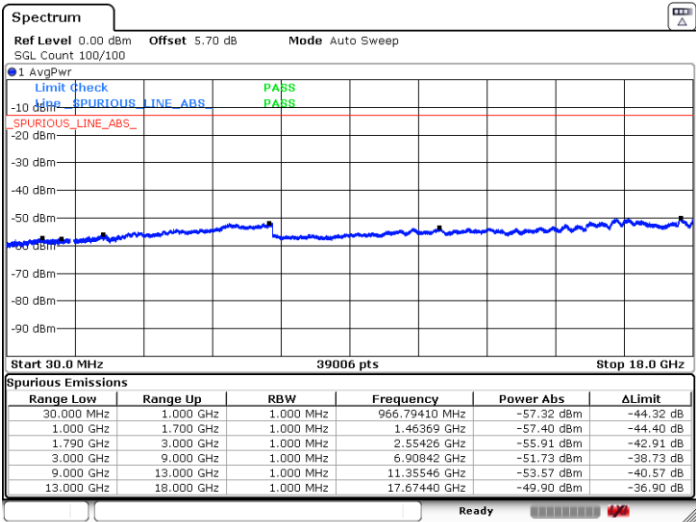
Date: 13.FEB.2021 07:16:38



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

Lowest Channel / 1RB1

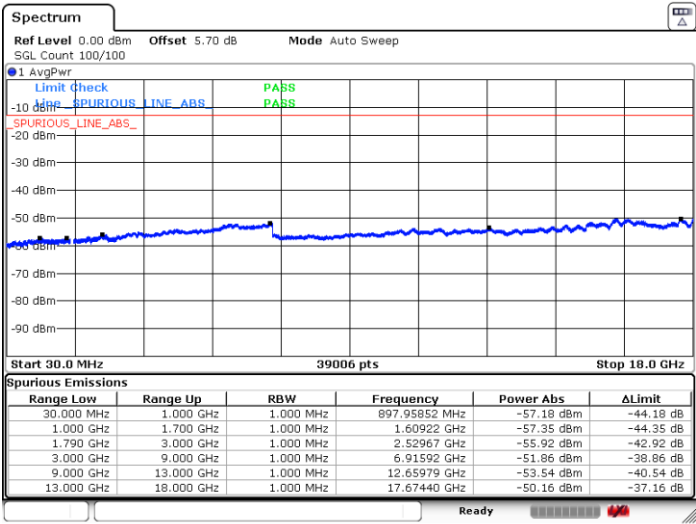
Middle Channel / 1RB1



Date: 13.FEB.2021 07:19:08

Date: 13.FEB.2021 07:21:05

Highest Channel / 1RB1



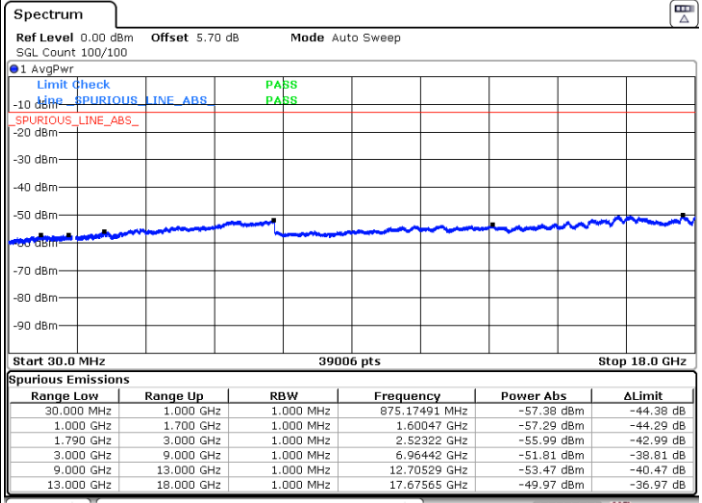
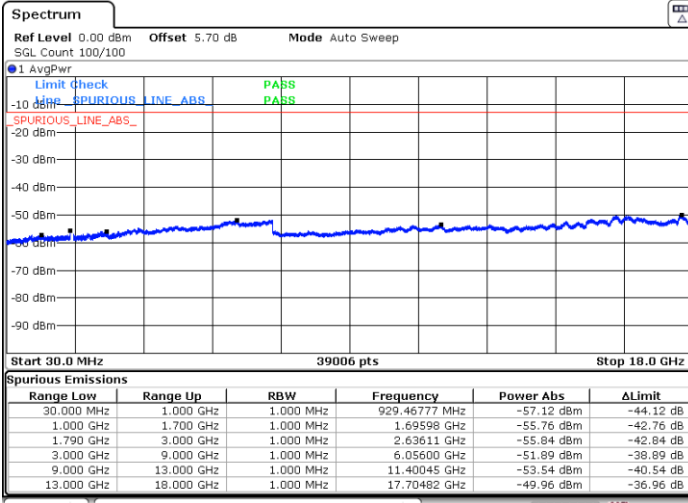
Date: 13.FEB.2021 07:20:05



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

Lowest Channel / 1RB1

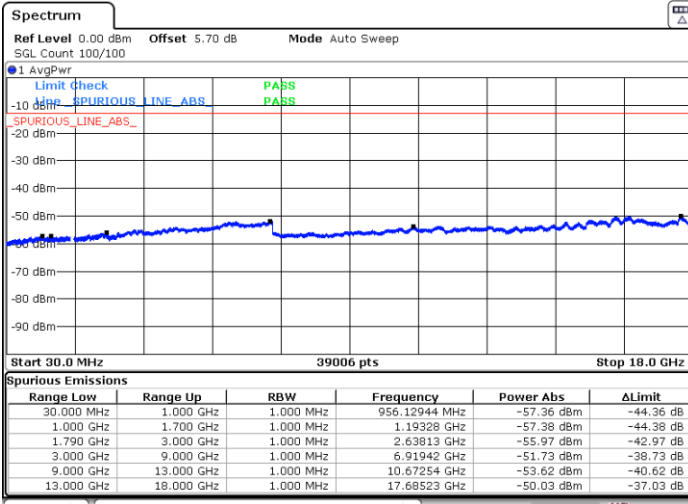
Middle Channel / 1RB1



Date: 13.FEB.2021 07:24:13

Date: 13.FEB.2021 07:22:02

Highest Channel / 1RB1



Date: 13.FEB.2021 07:22:43



Frequency Stability

Test Conditions		FR1 n66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 40MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0046	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0030	
0	Normal Voltage	0.0000	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0036	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage =3.87V. ; Battery End Point (BEP) =3.4V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



5G NR n71

Peak-to-Average Ratio

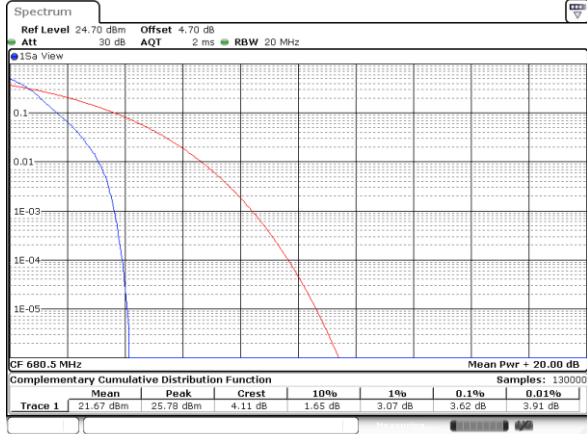
Mode	FR1 n71 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	3.62	5.19	5.13	5.13	PASS
Mode	FR1 n12 / 15MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	5.16				PASS



FR1 n71 / 20MHz / DFT-S OFDM

Middle Channel / Full RB

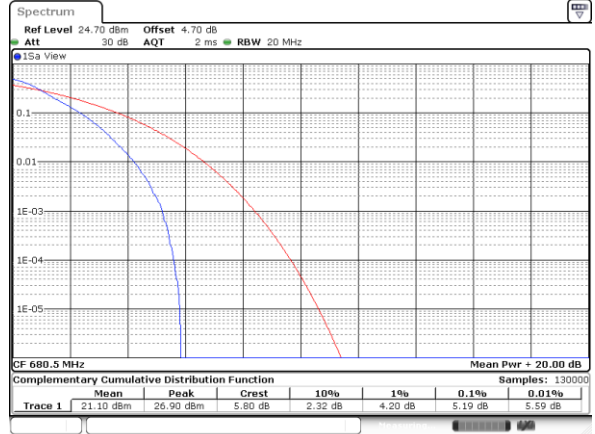
PI/2 BPSK



Date: 11 FEB 2021 14:37:11

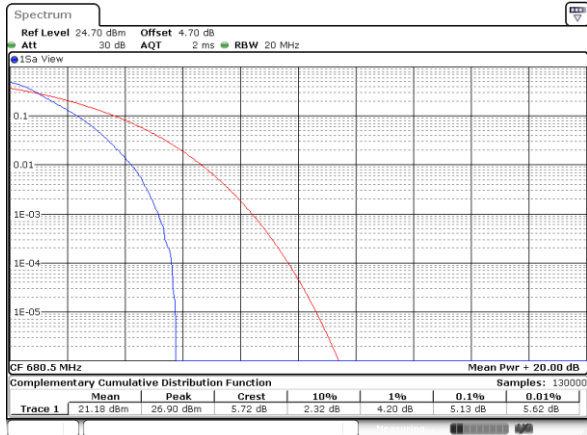
Middle Channel / Full RB

QPSK



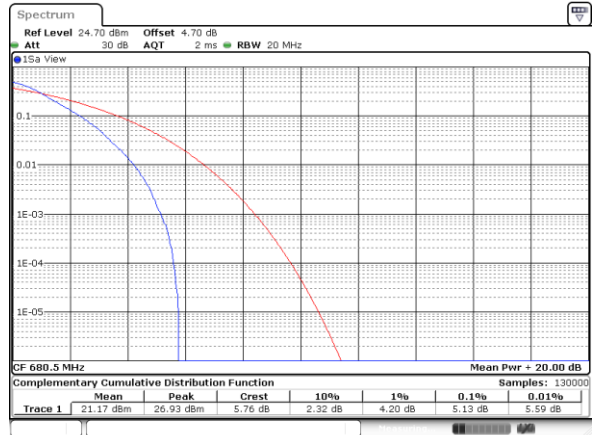
Date: 11 FEB 2021 14:37:34

16QAM



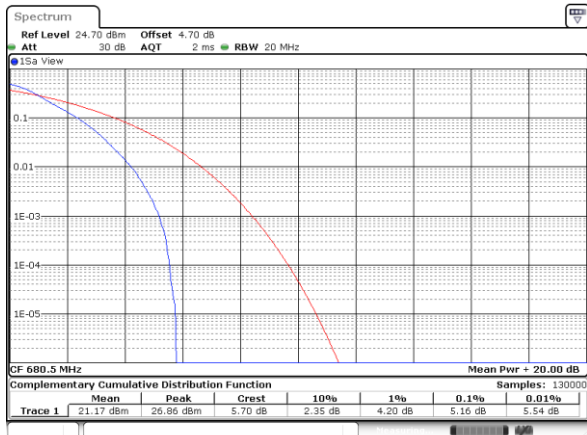
Date: 11 FEB 2021 14:37:57

64QAM



Date: 11 FEB 2021 14:38:16

256QAM

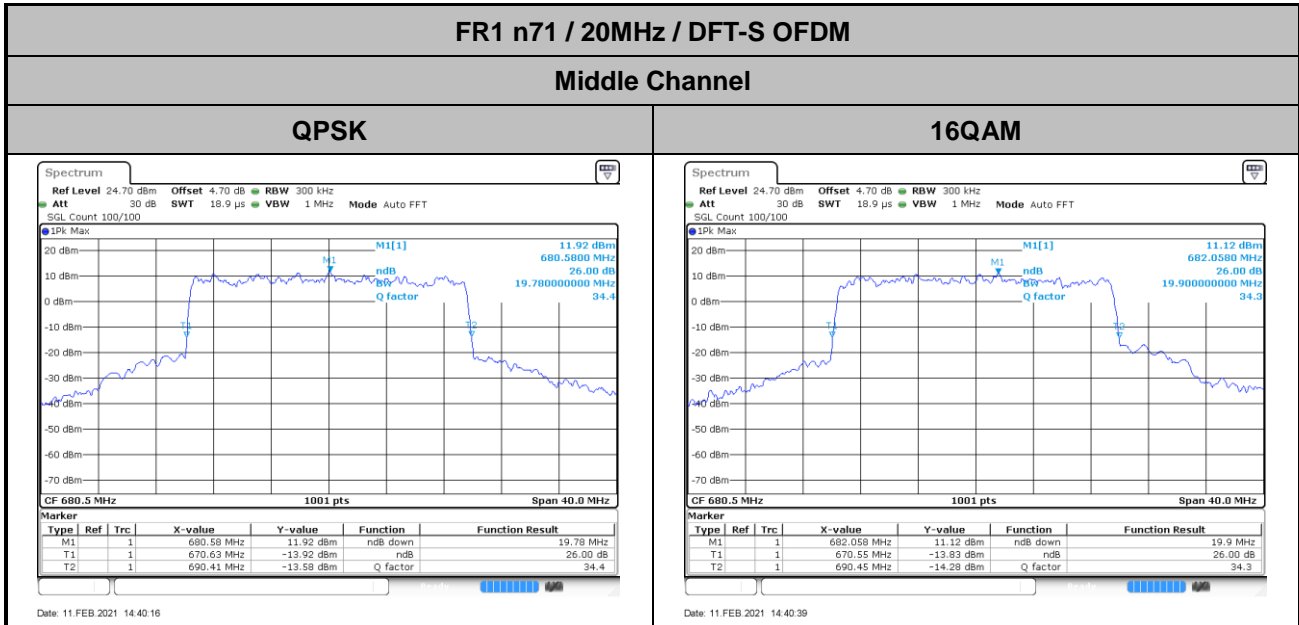


Date: 11 FEB 2021 14:38:30



26dB Bandwidth

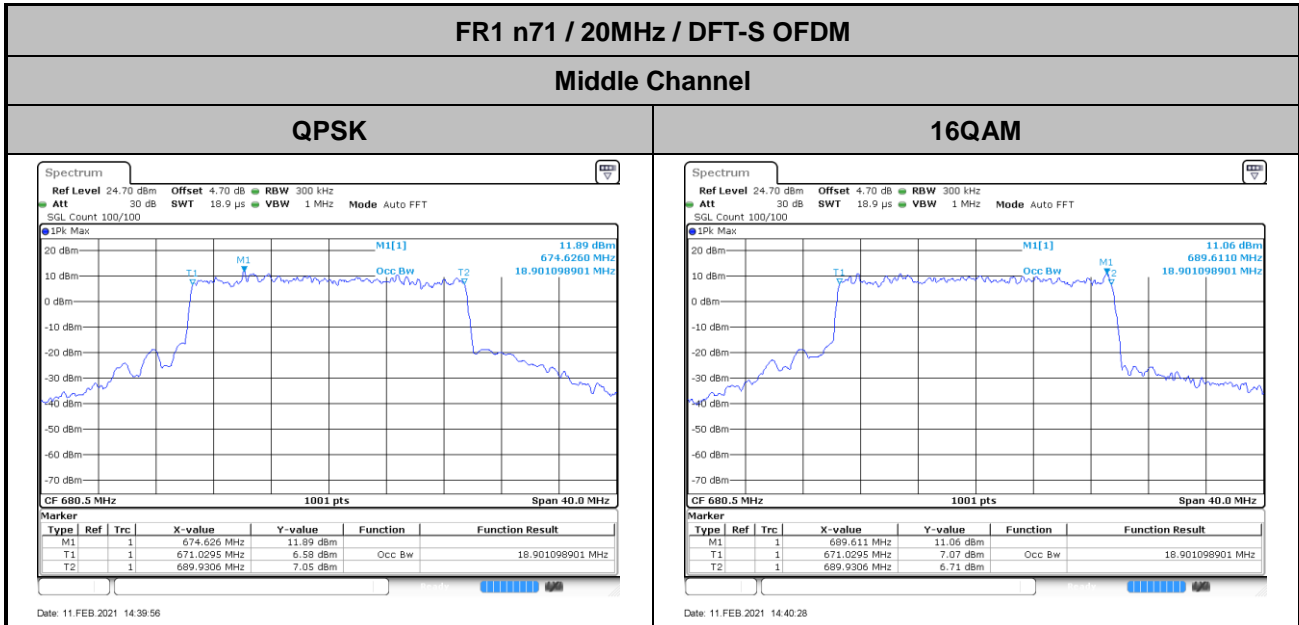
Mode	FR1 n71: 26dB BW(MHz) / DFT-S OFDM	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.78	19.9





Occupied Bandwidth

Mode	FR1 n71 : 99%OBW(MHz) / DFT-S OFDM	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.90	18.90



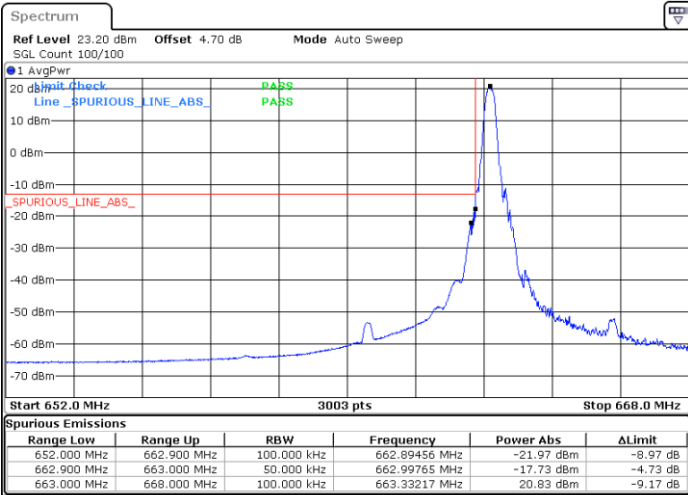


Conducted Band Edge

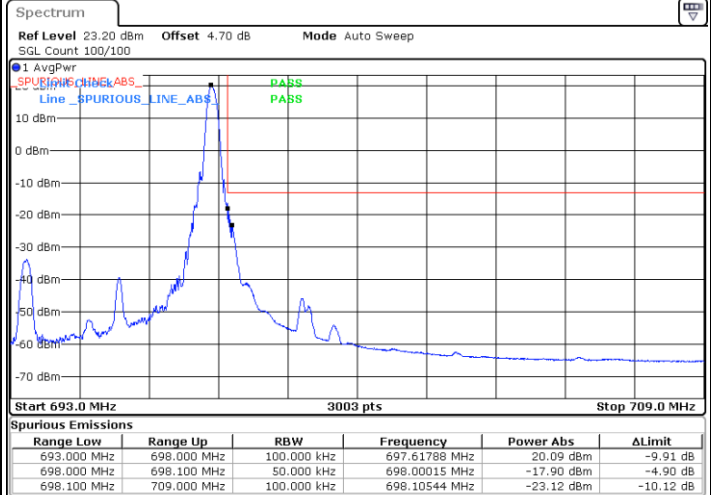
FR1 n71 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



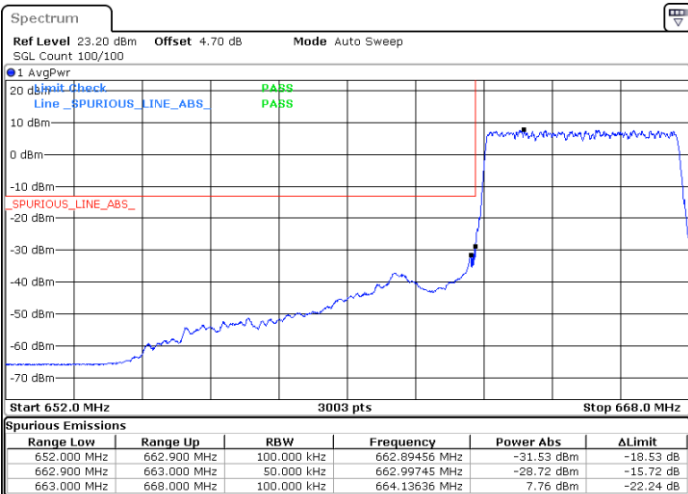
Date: 11.FEB.2021 12:13:06



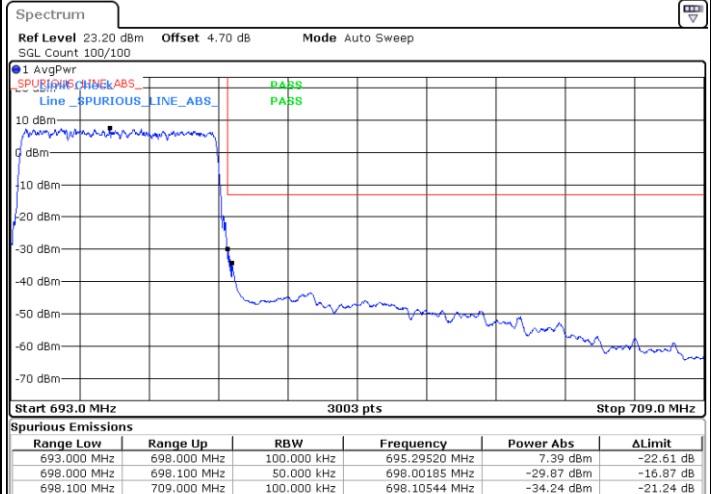
Date: 11.FEB.2021 12:34:47

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2021 12:17:03



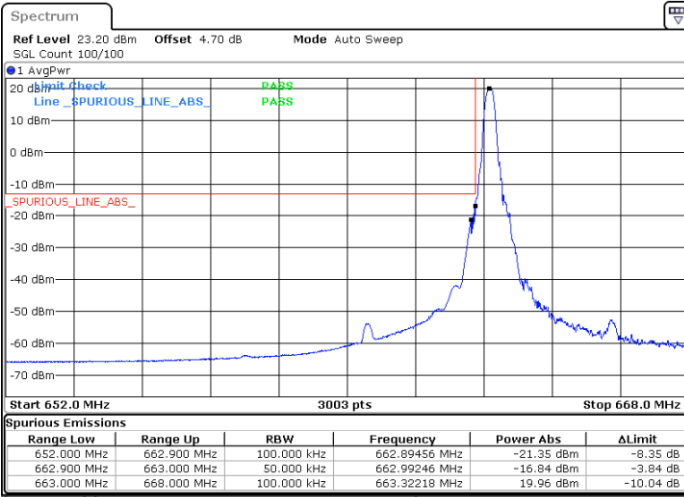
Date: 11.FEB.2021 12:38:25



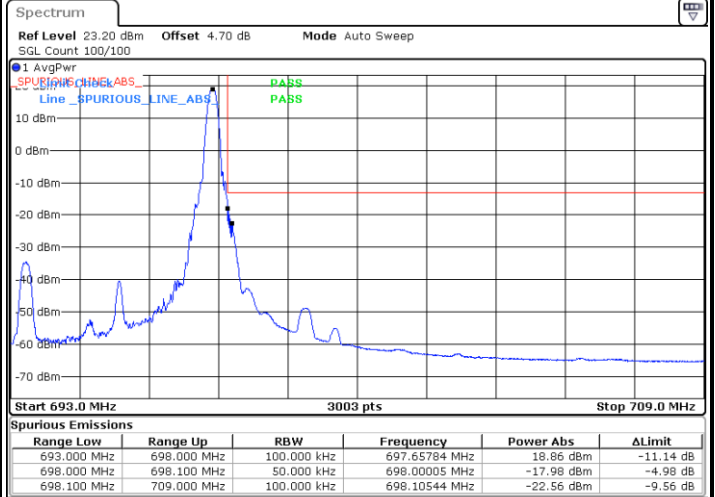
FR1 n71 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



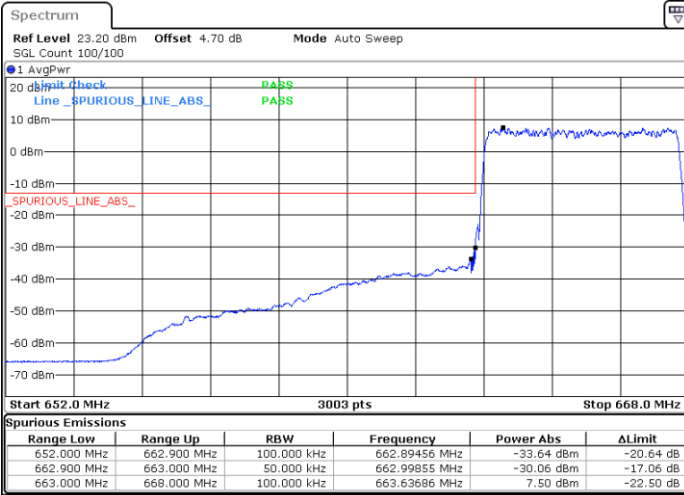
Date: 11.FEB.2021 12:13:50



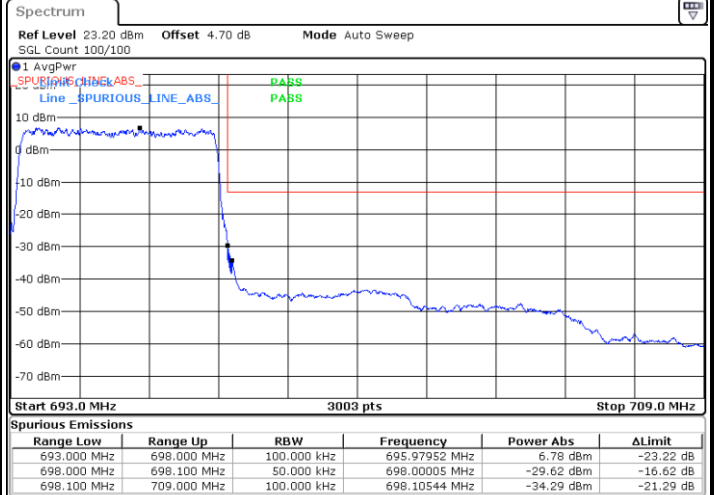
Date: 11.FEB.2021 12:35:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2021 12:20:46



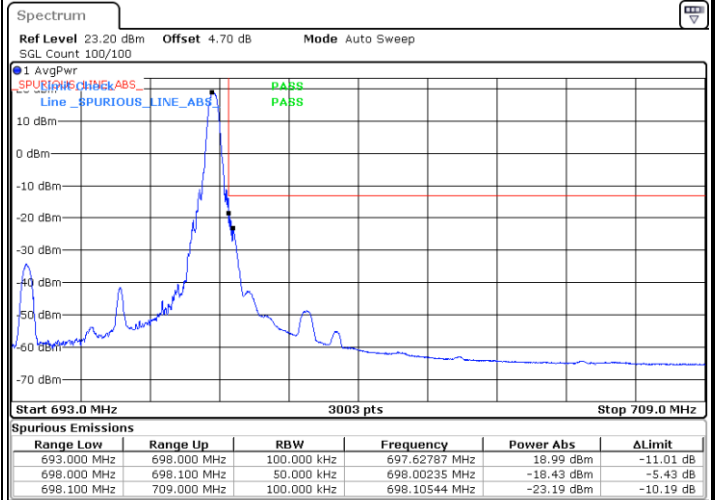
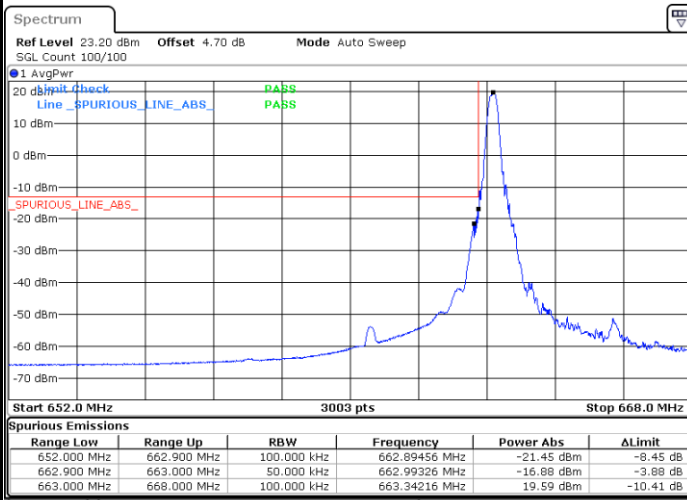
Date: 11.FEB.2021 12:39:07



FR1 n71 / 5MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

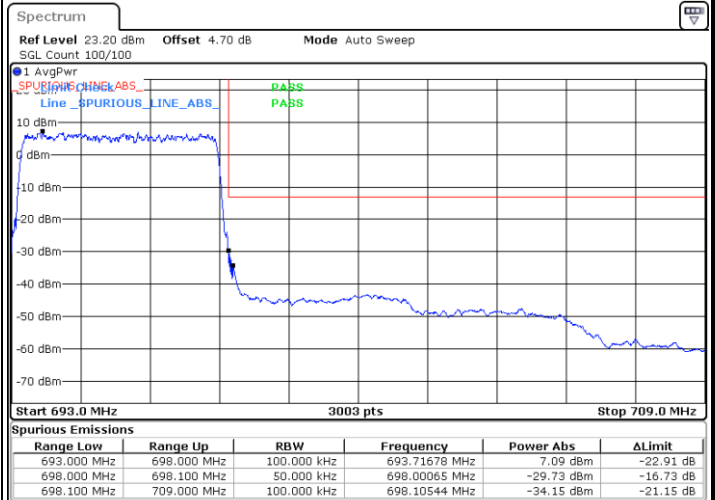
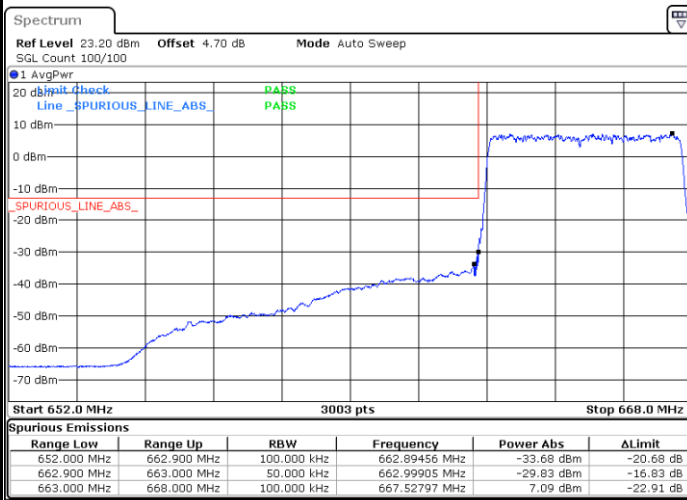


Date: 11.FEB.2021 12:14:46

Date: 11.FEB.2021 12:36:09

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2021 12:22:06

Date: 11.FEB.2021 12:39:48