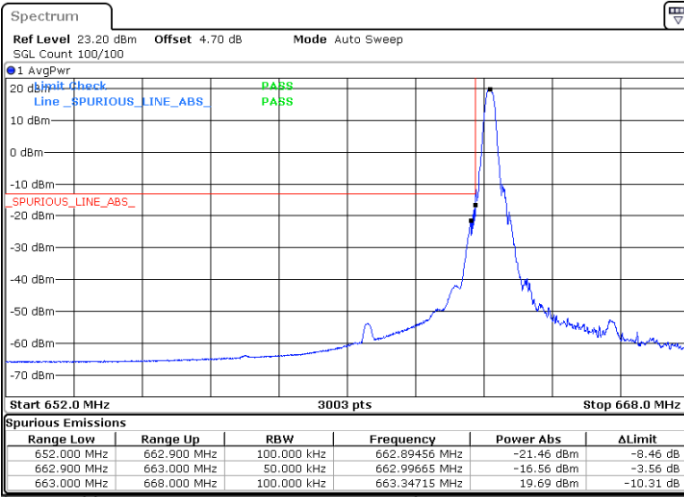




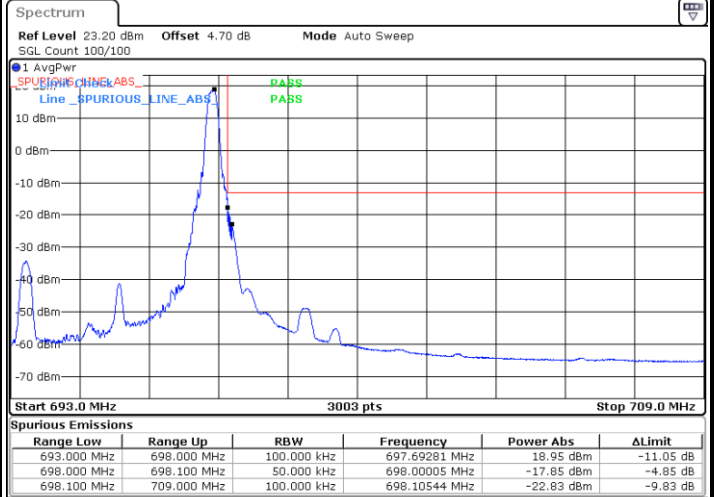
FR1 n71/ 5MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



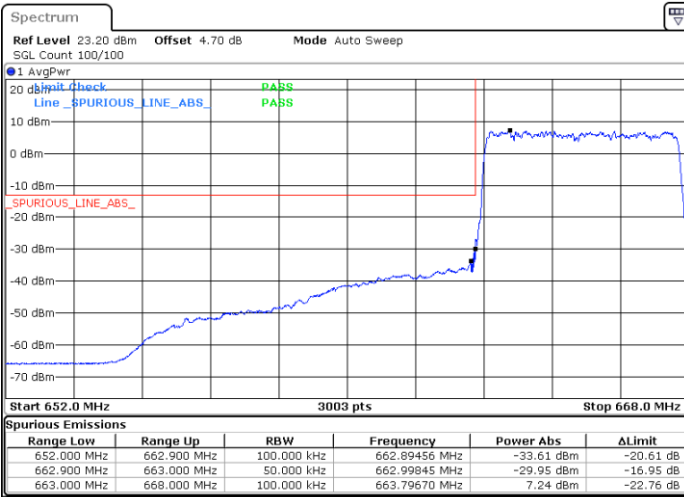
Date: 11.FEB.2021 12:15:28



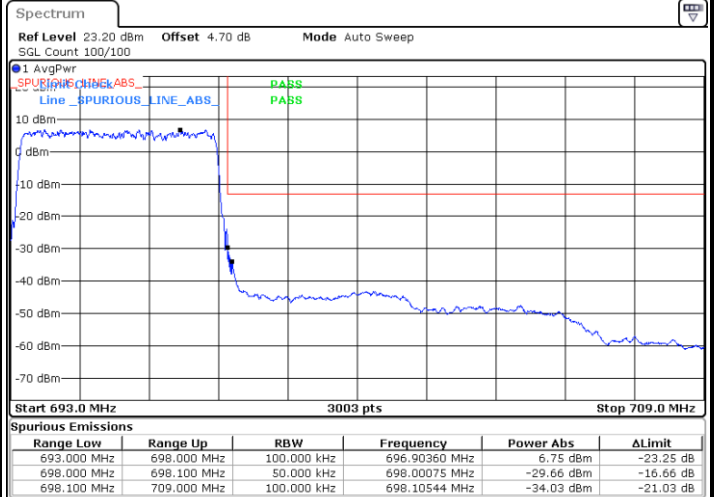
Date: 11.FEB.2021 12:36:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2021 12:22:50



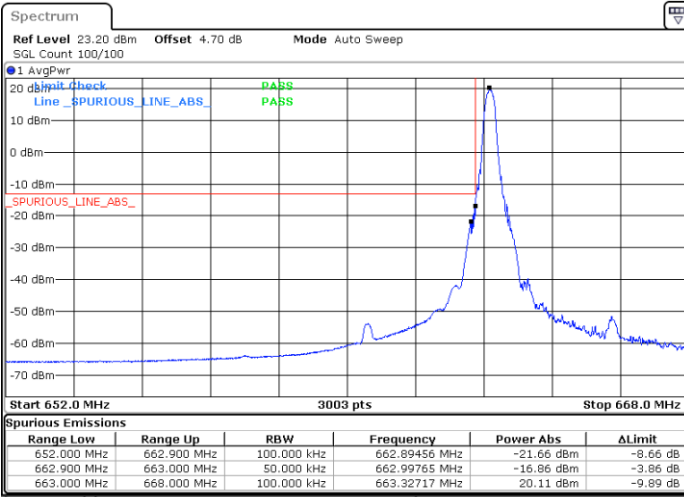
Date: 11.FEB.2021 12:40:32



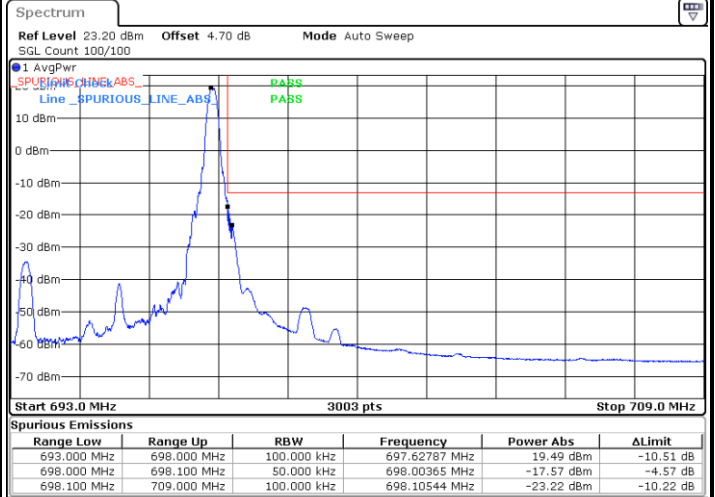
FR1 n71 / 5MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



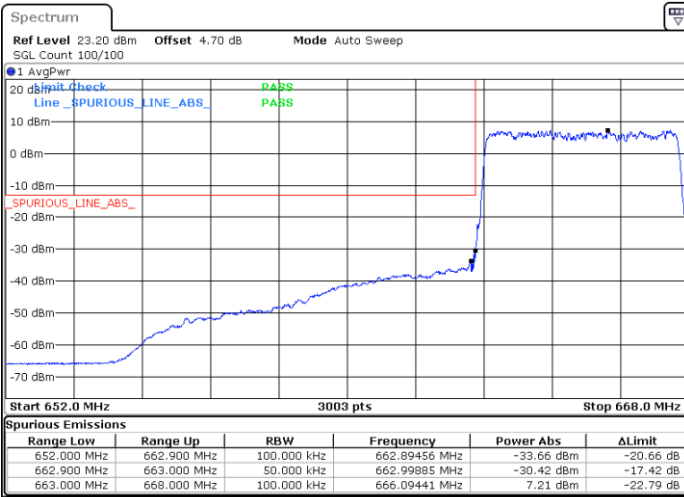
Date: 11.FEB.2021 12:16:06



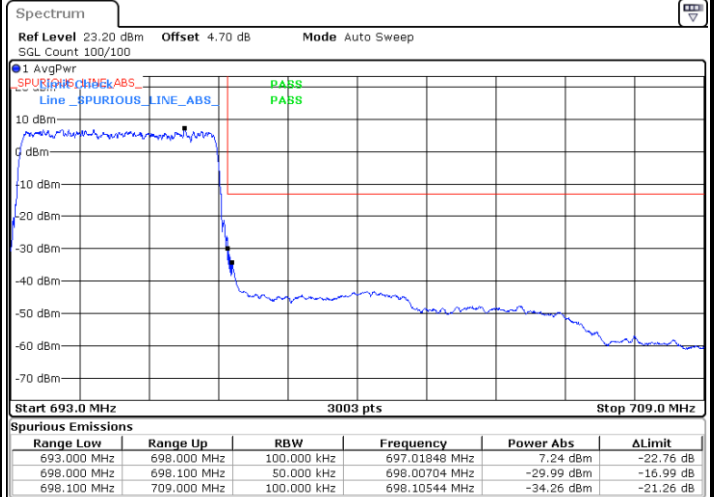
Date: 11.FEB.2021 12:37:31

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2021 12:23:27



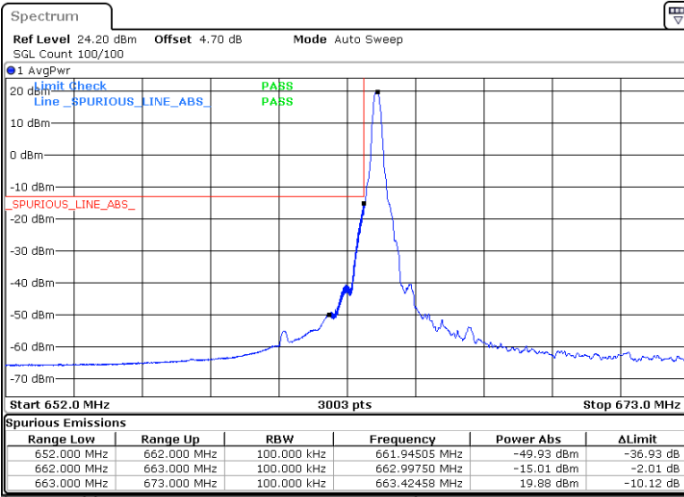
Date: 11.FEB.2021 12:41:21



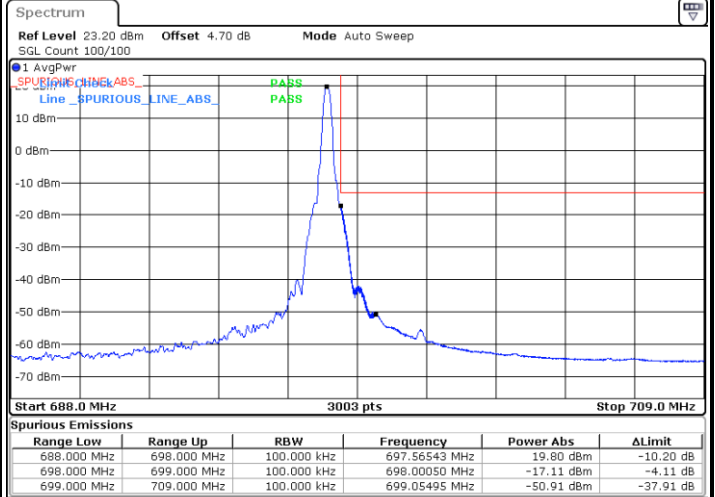
FR1 n71 / 10MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



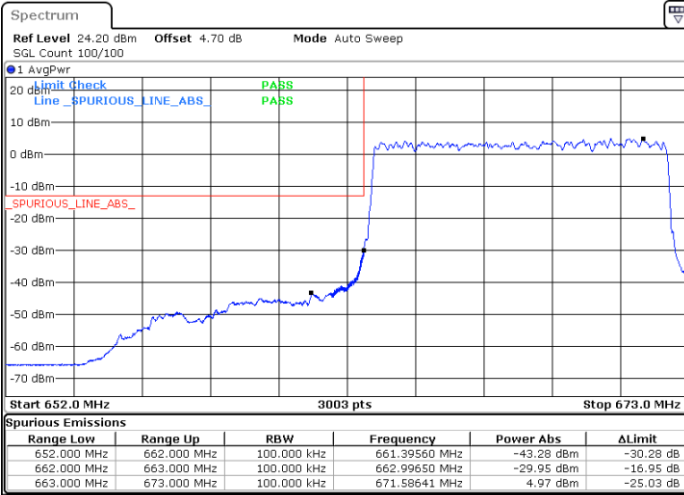
Date: 11.FEB.2021 12:49:42



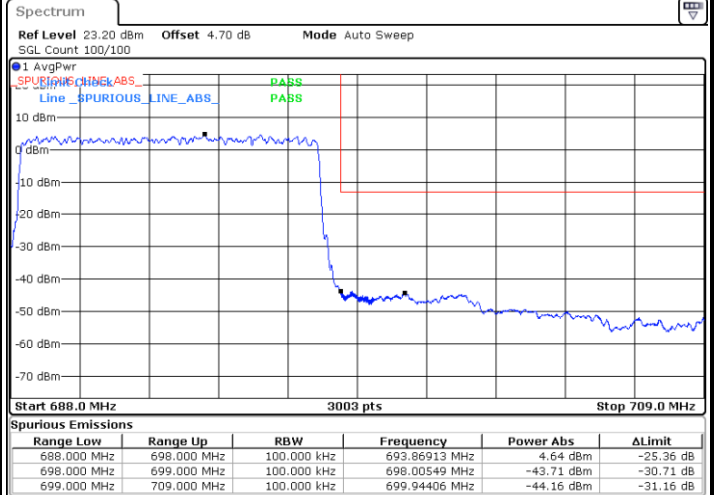
Date: 11.FEB.2021 13:38:41

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2021 13:30:15



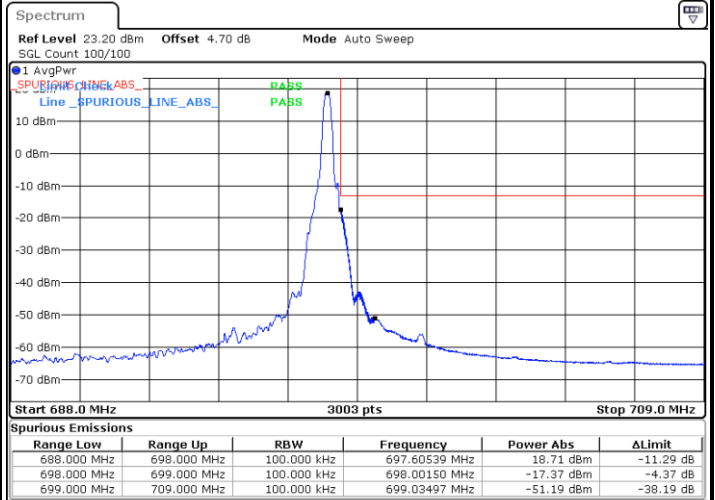
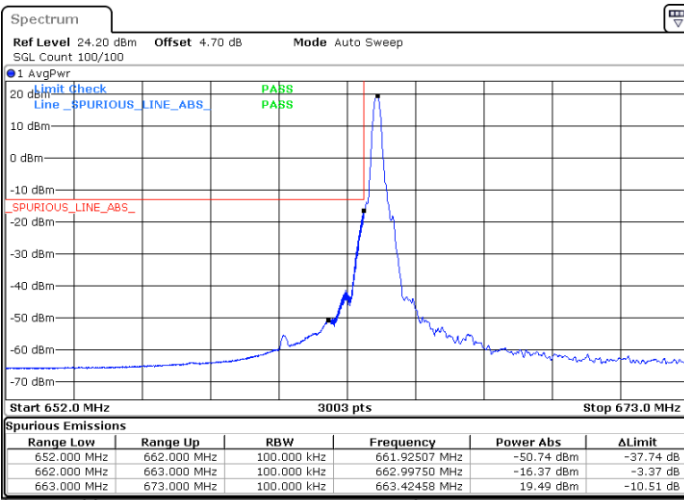
Date: 11.FEB.2021 13:34:52



FR1 n71 / 10MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

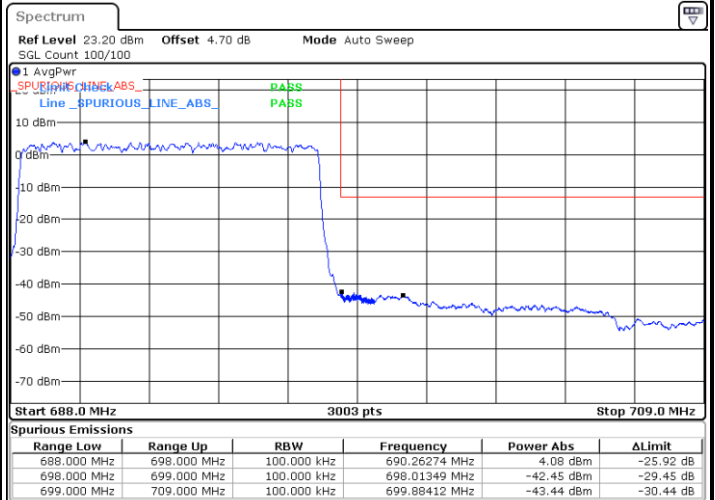
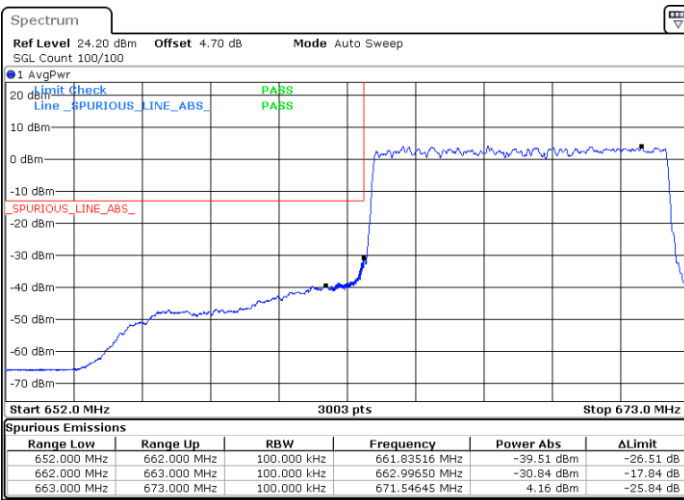


Date: 11.FEB.2021 12:50:23

Date: 11.FEB.2021 13:39:27

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2021 13:31:19

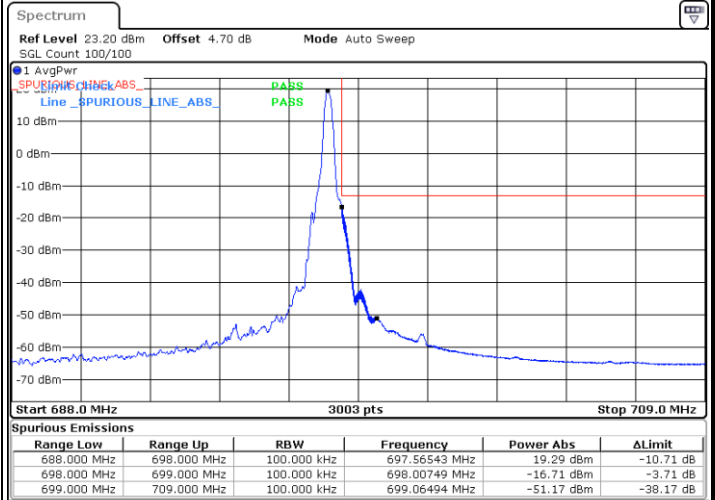
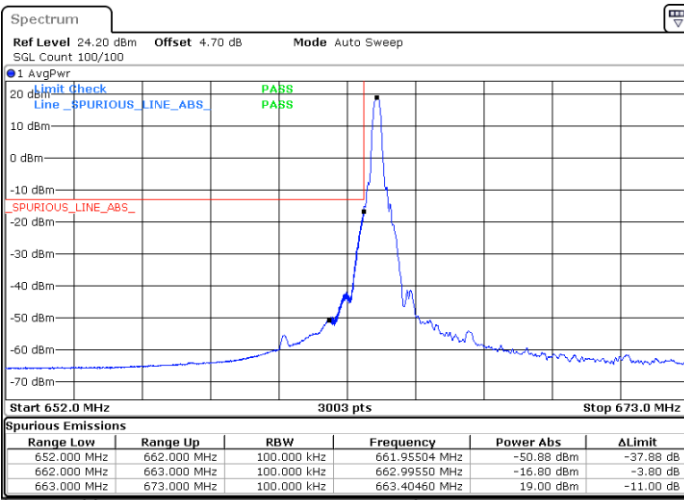
Date: 11.FEB.2021 13:35:35



FR1 n71/ 10MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

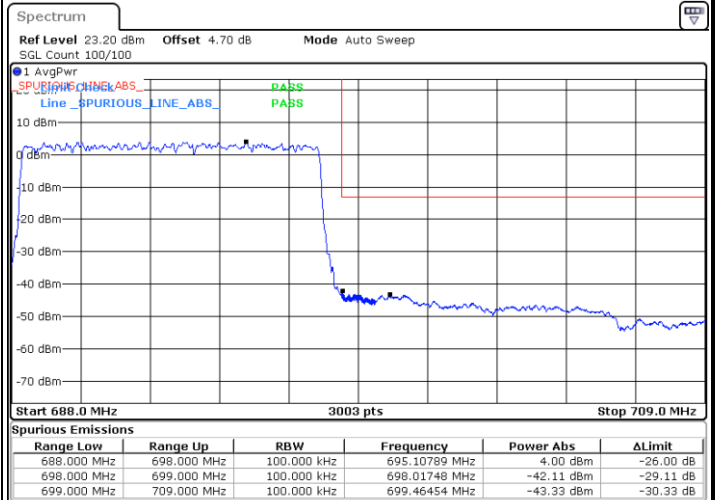
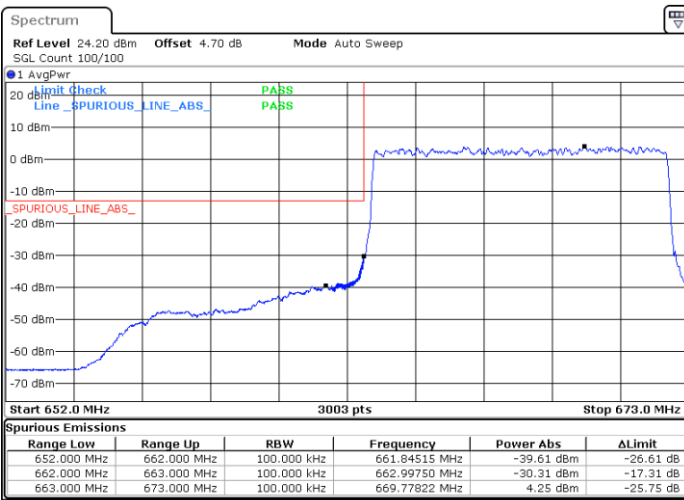


Date: 11.FEB.2021 12:51:04

Date: 11.FEB.2021 13:40:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2021 13:31:58

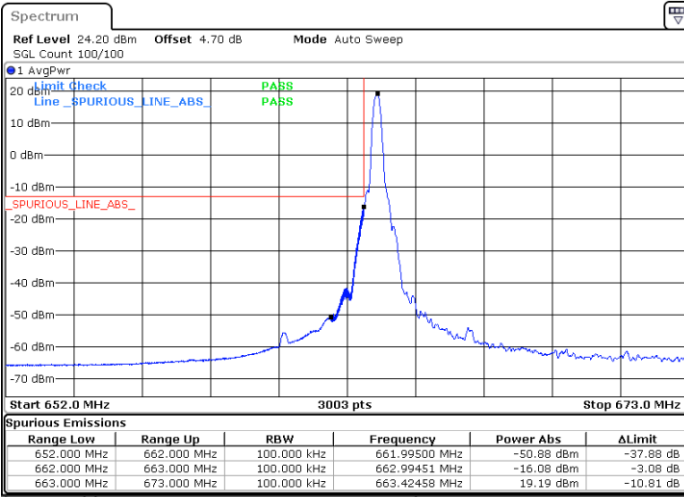
Date: 11.FEB.2021 13:36:17



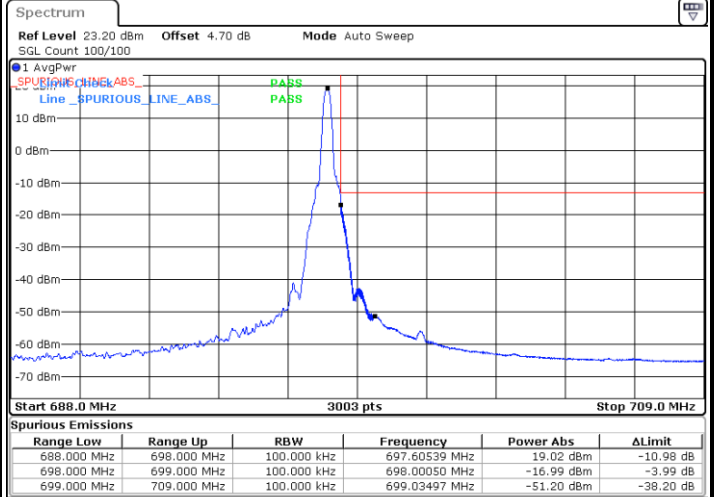
FR1 n71 / 10MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



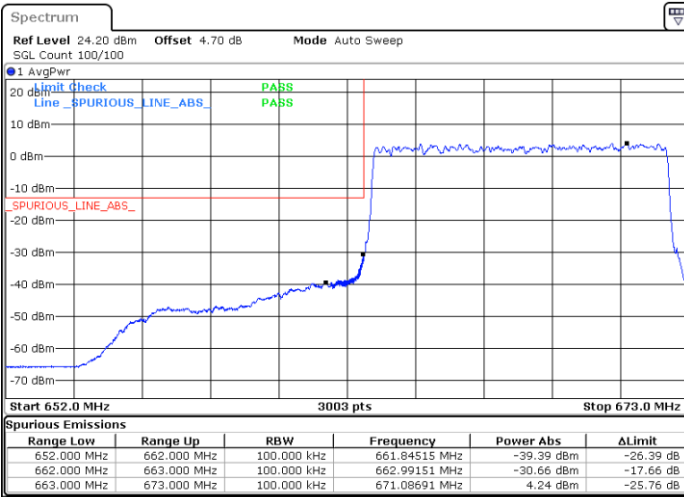
Date: 11.FEB.2021 13:13:41



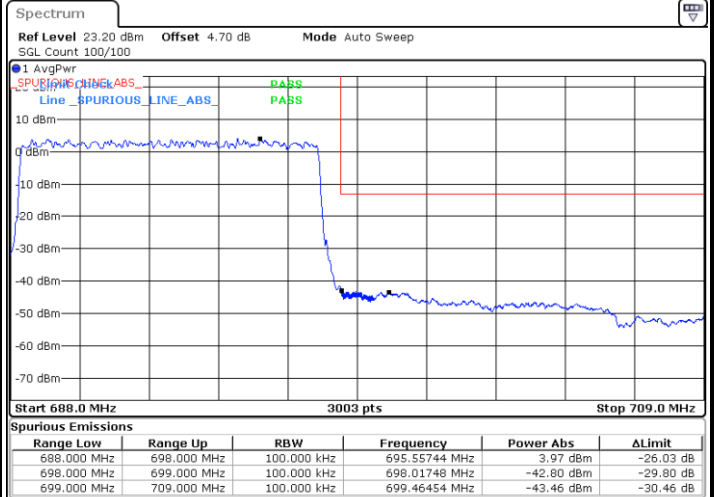
Date: 11.FEB.2021 13:41:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2021 13:32:40



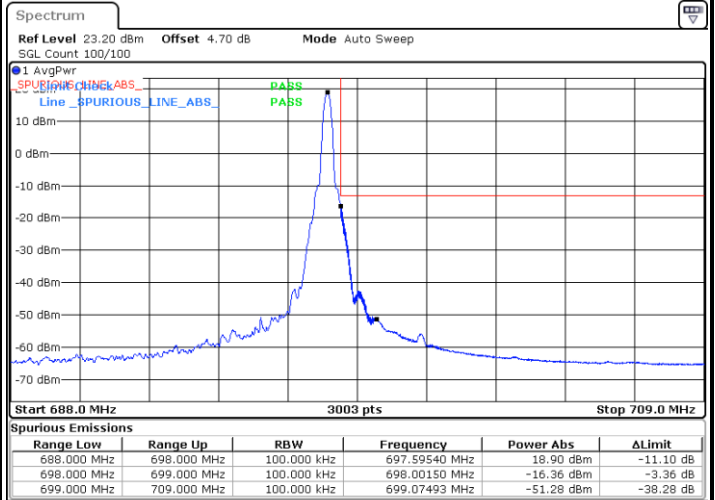
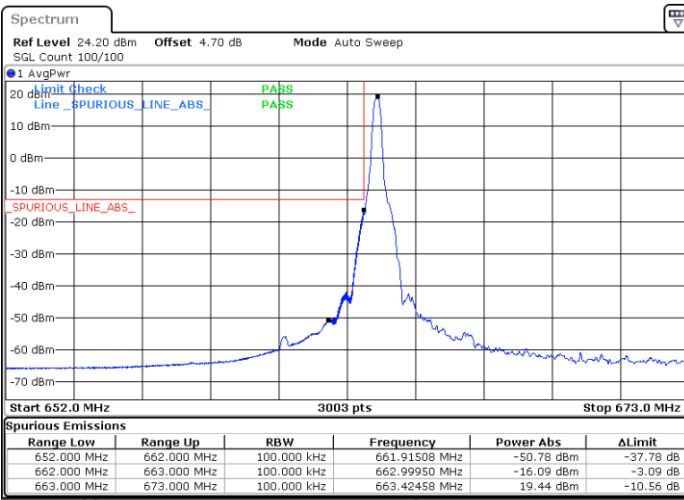
Date: 11.FEB.2021 13:36:59



FR1 n71/ 10MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

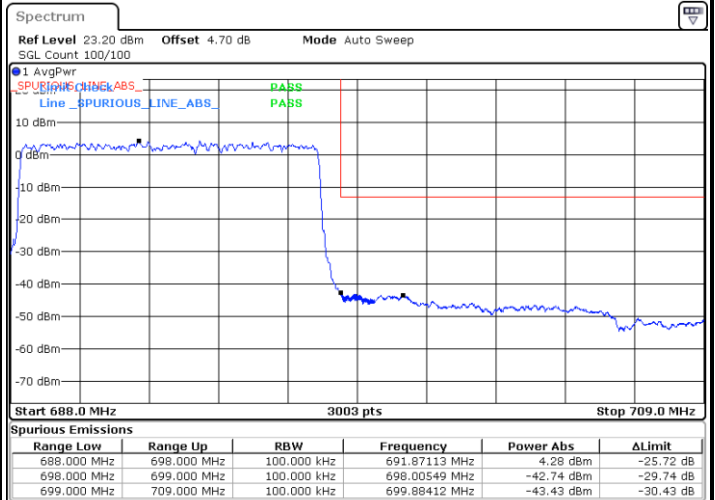
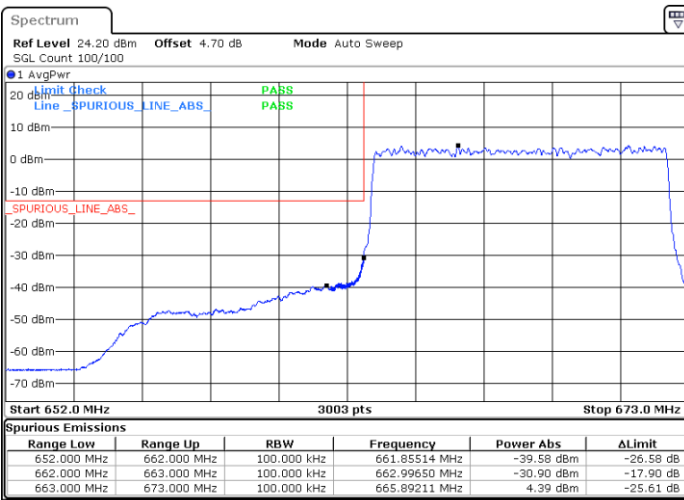


Date: 11.FEB.2021 13:29:03

Date: 11.FEB.2021 13:41:39

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2021 13:33:30

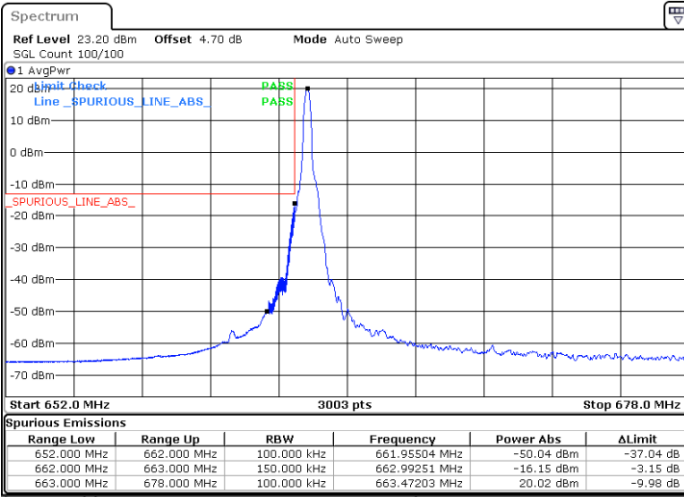
Date: 11.FEB.2021 13:37:39



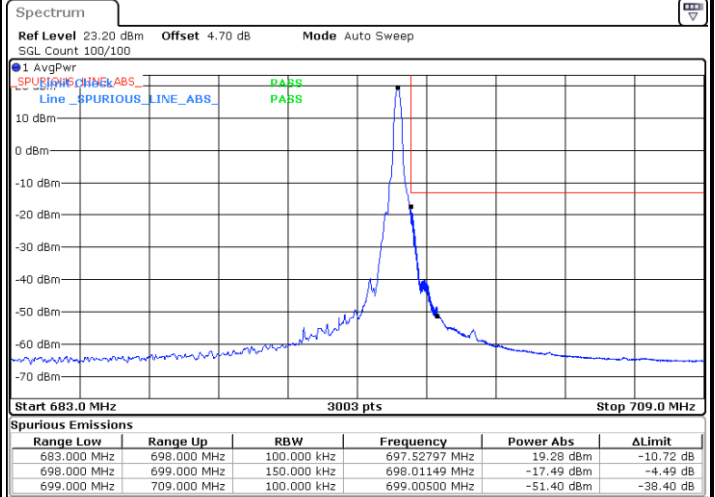
FR1 n71 / 15MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



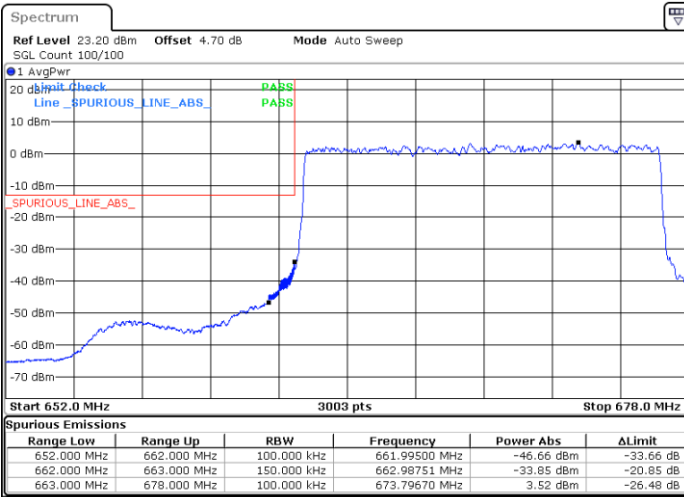
Date: 11.FEB.2021 13:55:15



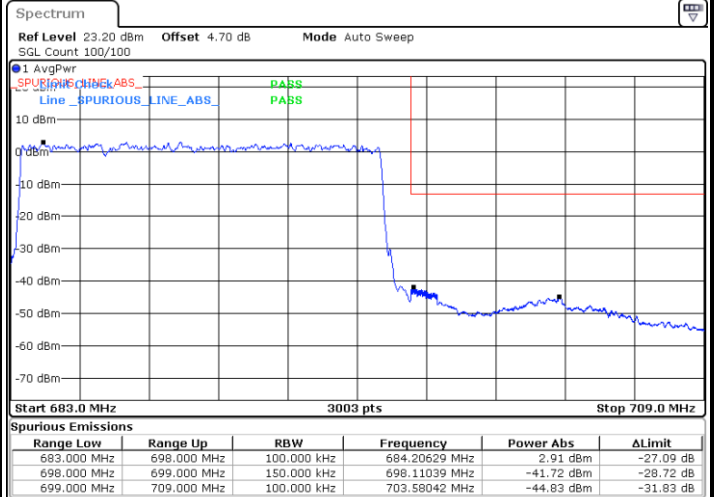
Date: 11.FEB.2021 14:08:17

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2021 14:00:24



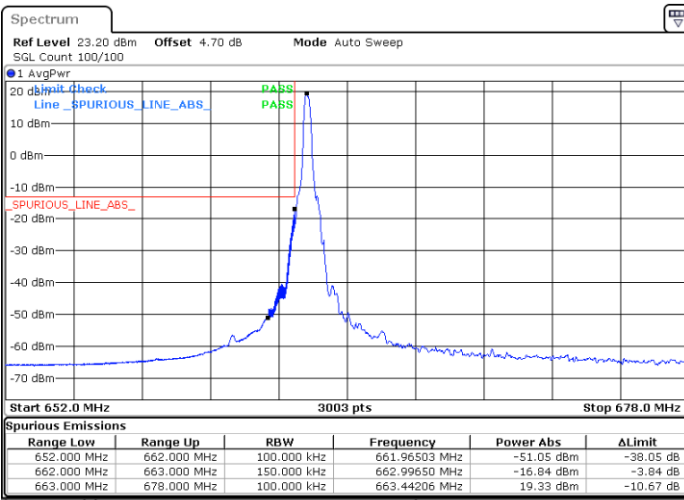
Date: 11.FEB.2021 14:04:37



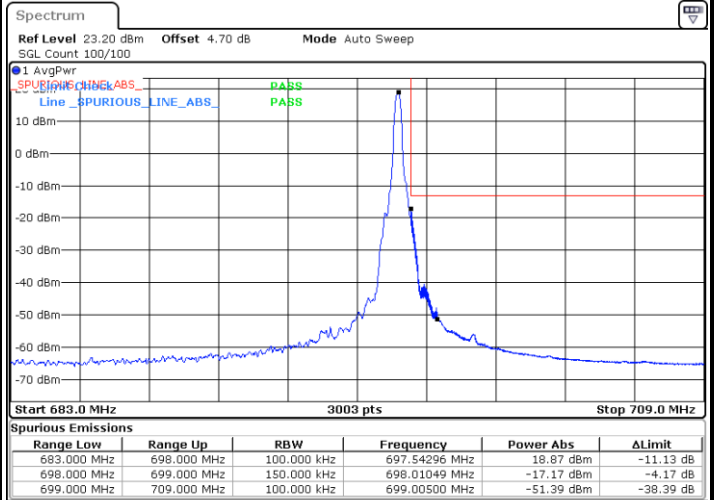
FR1 n71/ 15MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



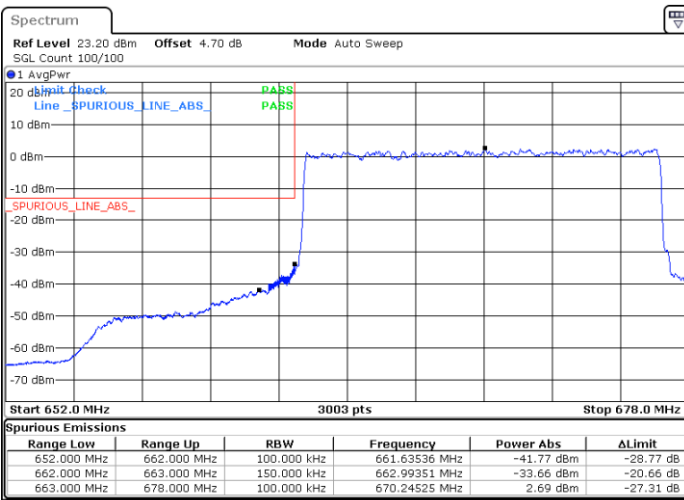
Date: 11.FEB.2021 13:56:08



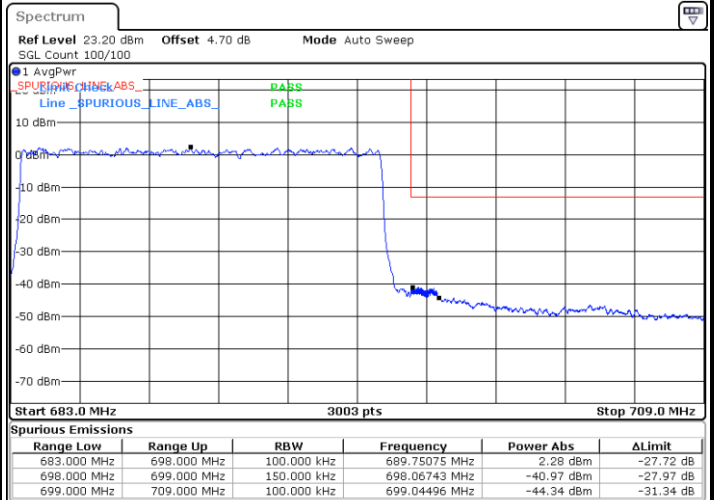
Date: 11.FEB.2021 14:08:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2021 14:01:03



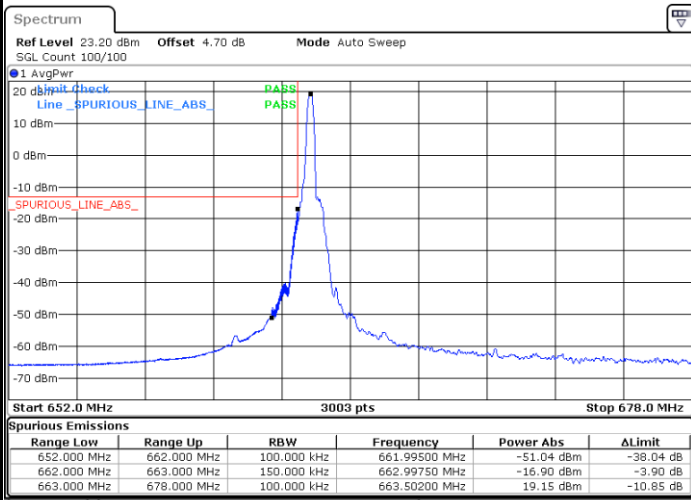
Date: 11.FEB.2021 14:05:16



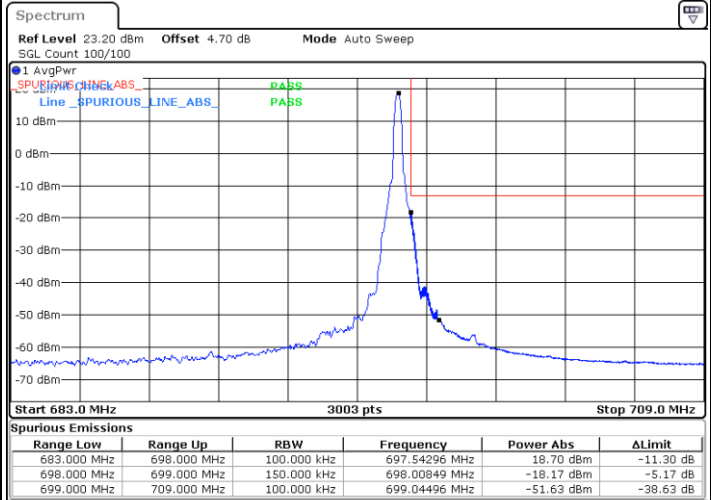
FR1 n71 / 15MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



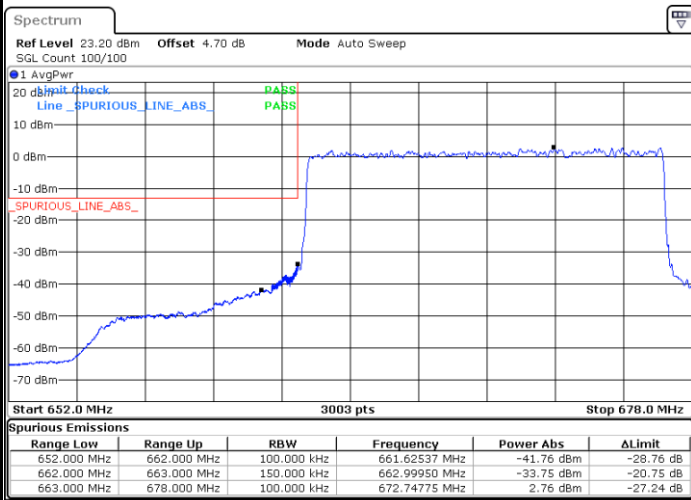
Date: 11.FEB.2021 13:57:28



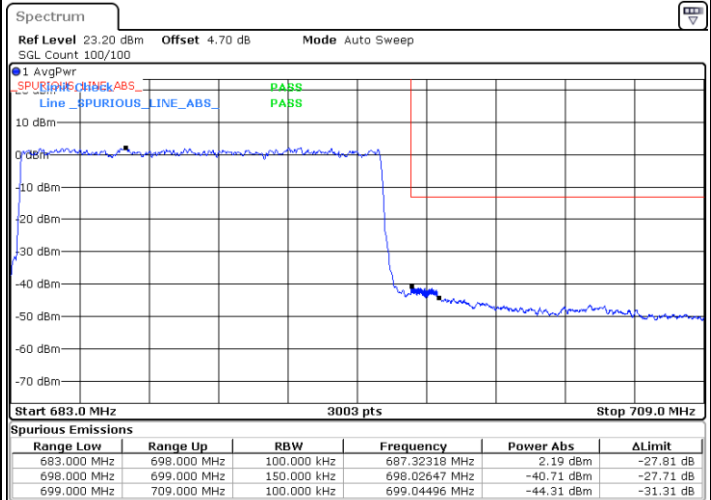
Date: 11.FEB.2021 14:09:41

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2021 14:01:41



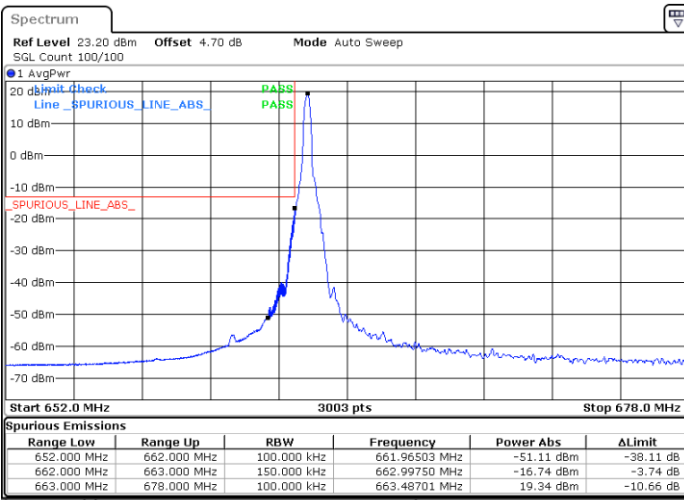
Date: 11.FEB.2021 14:05:56



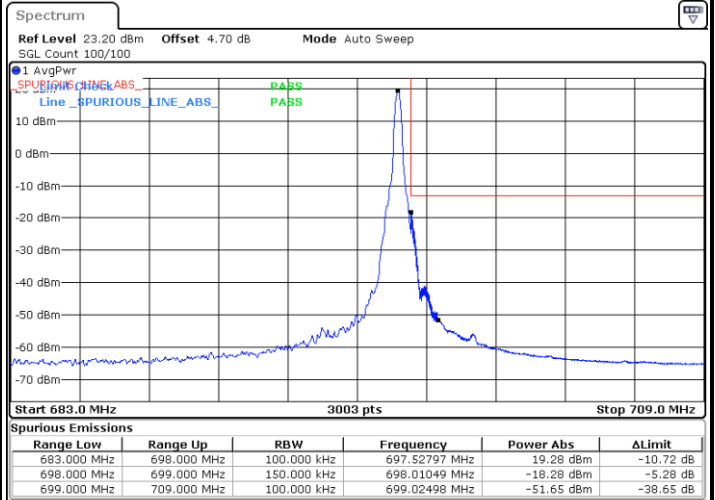
FR1 n71 / 15MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



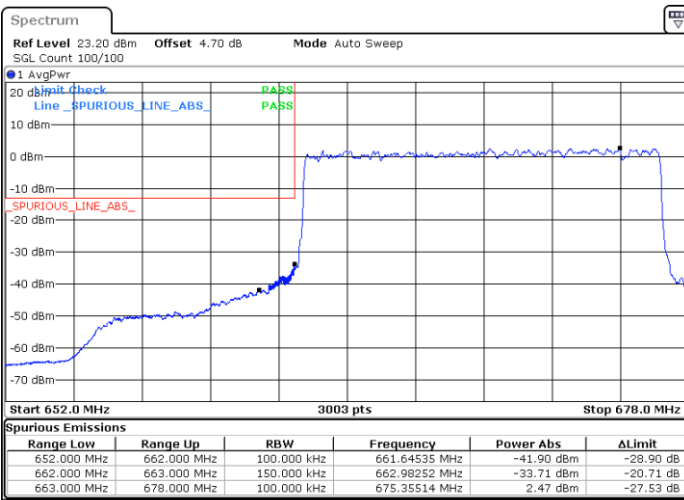
Date: 11.FEB.2021 13:58:11



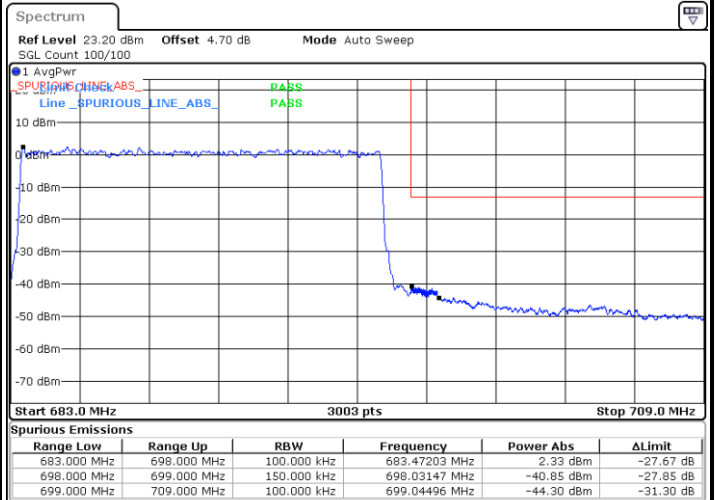
Date: 11.FEB.2021 14:10:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2021 14:02:18



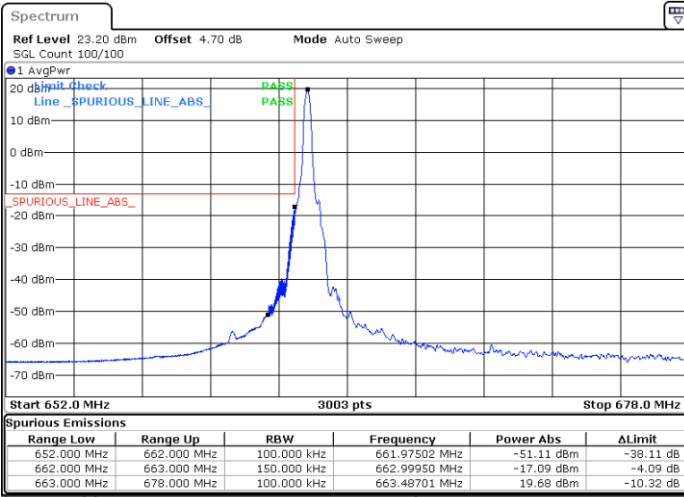
Date: 11.FEB.2021 14:06:38



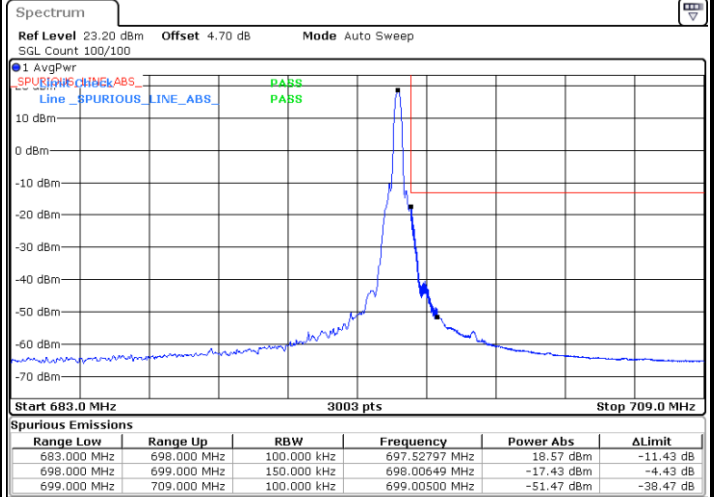
FR1 n71/ 15MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



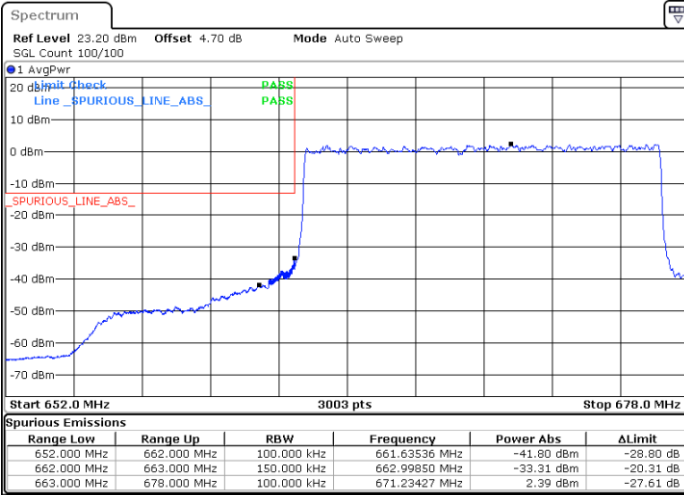
Date: 11.FEB.2021 13:58:46



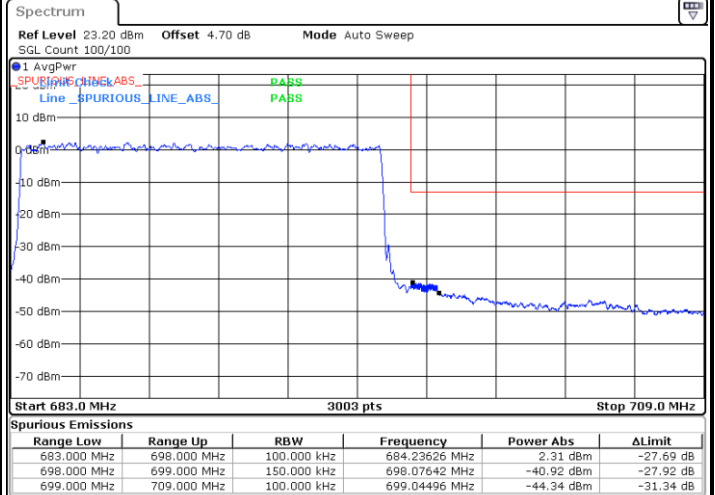
Date: 11.FEB.2021 14:11:03

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2021 14:03:03



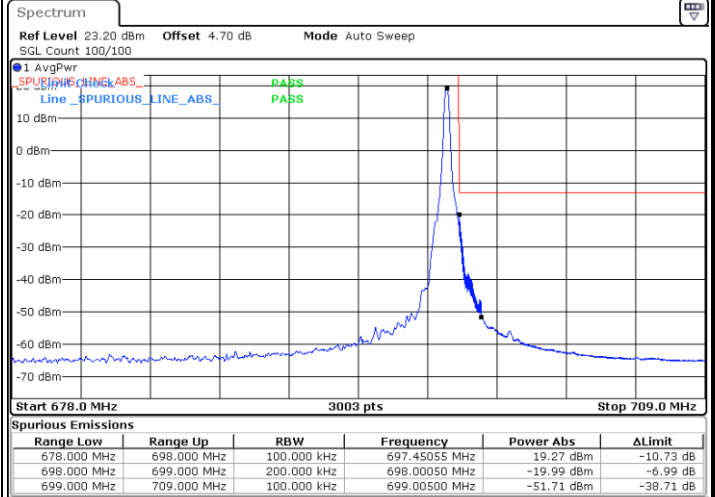
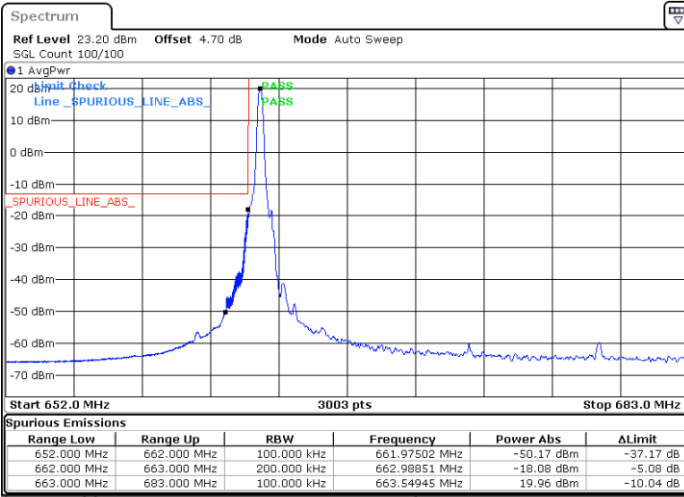
Date: 11.FEB.2021 14:07:19



FR1 n71 / 20MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

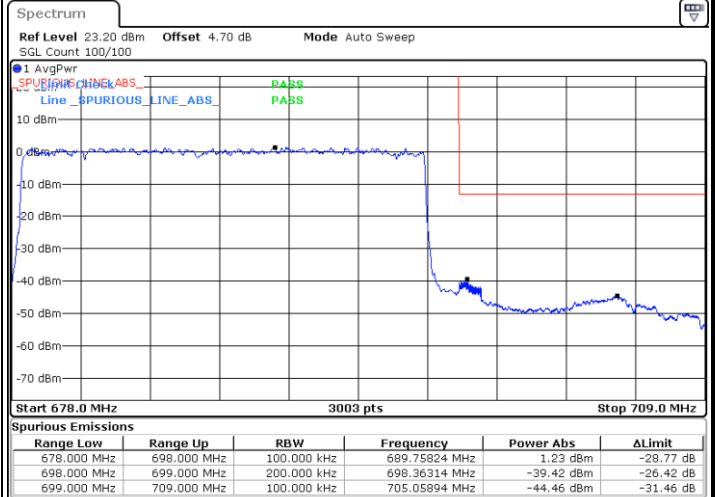
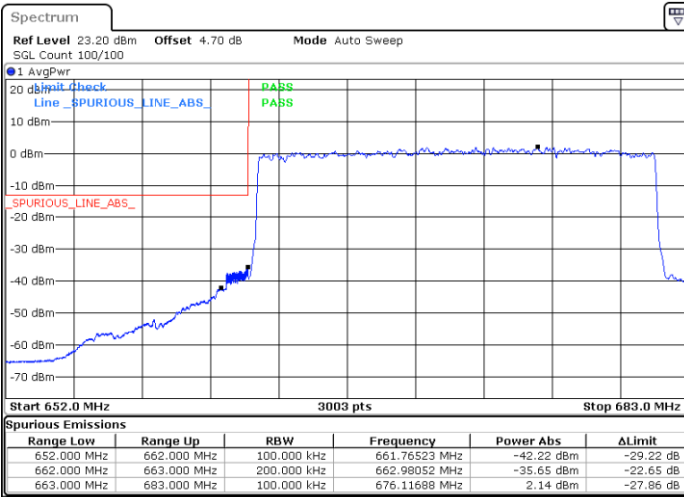


Date: 11.FEB.2021 14:24:25

Date: 11.FEB.2021 14:28:30

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2021 14:20:59

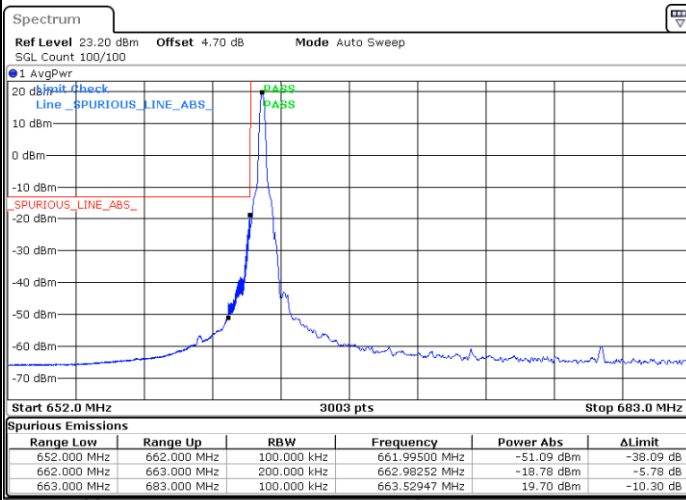
Date: 11.FEB.2021 14:32:44



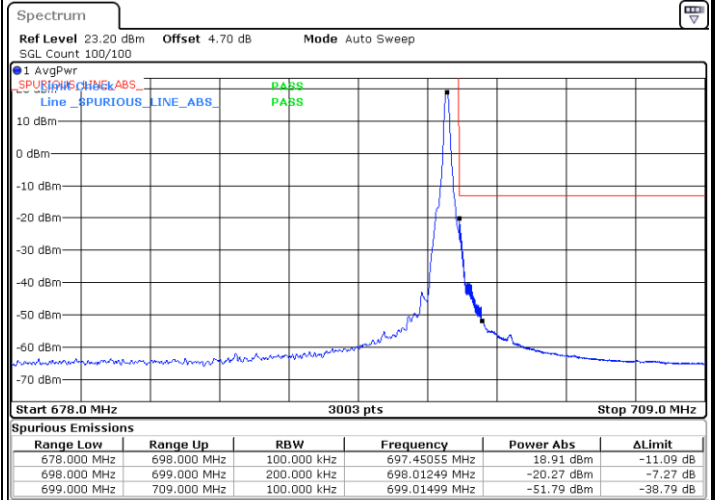
FR1 n71/ 20MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



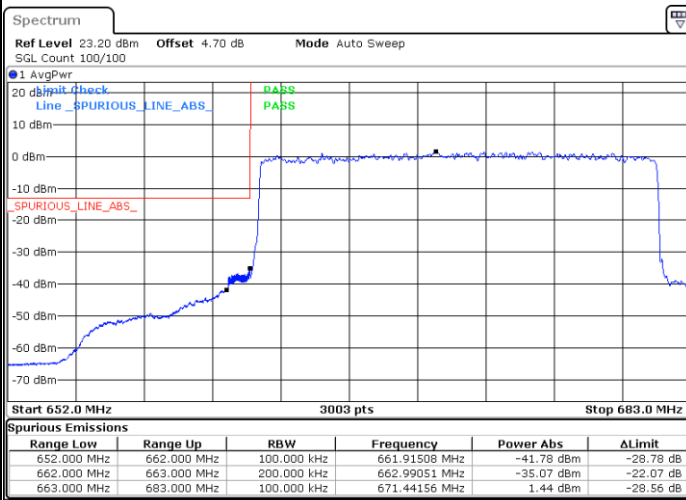
Date: 11.FEB.2021 14:25:01



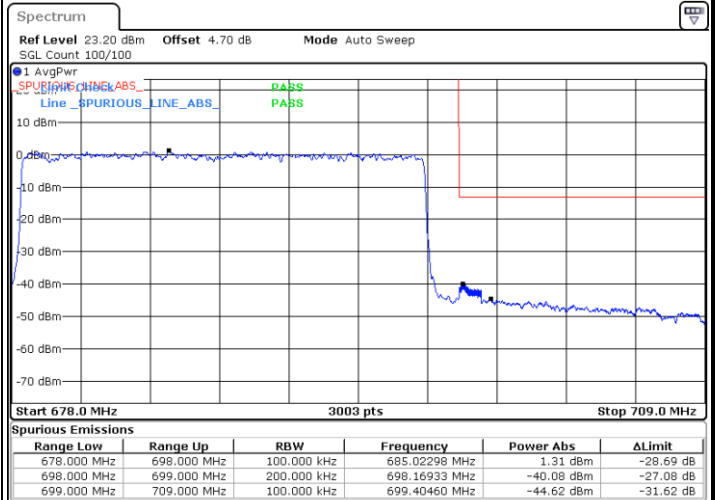
Date: 11.FEB.2021 14:29:09

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2021 14:21:38



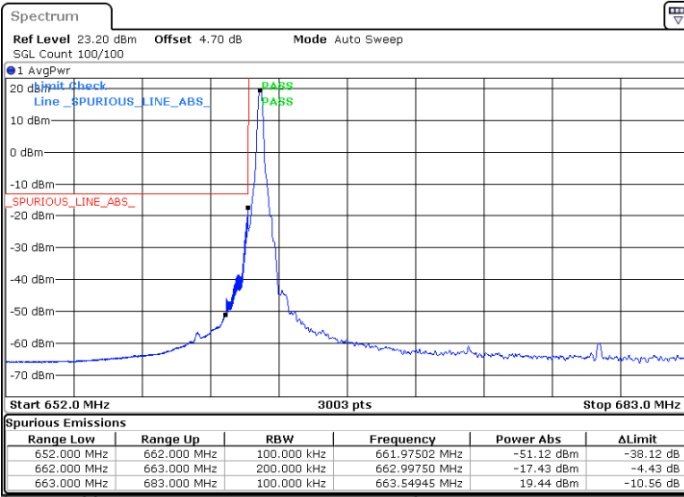
Date: 11.FEB.2021 14:33:25



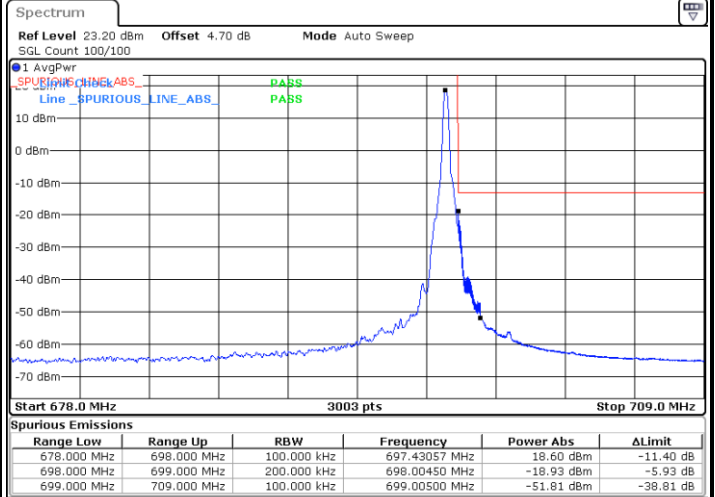
FR1 n71 / 20MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



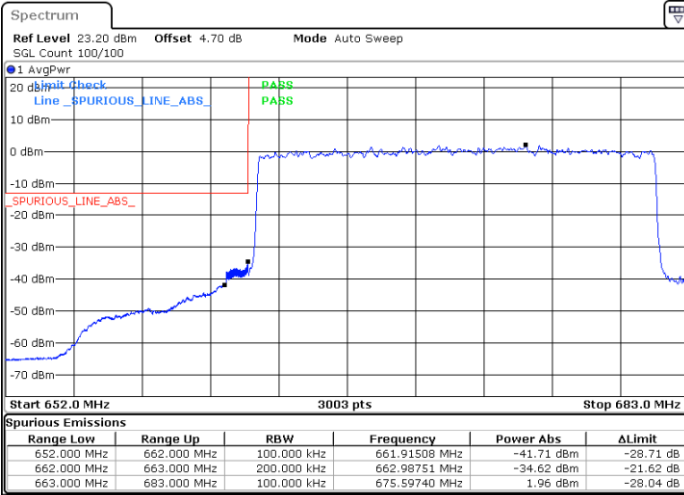
Date: 11.FEB.2021 14:25:40



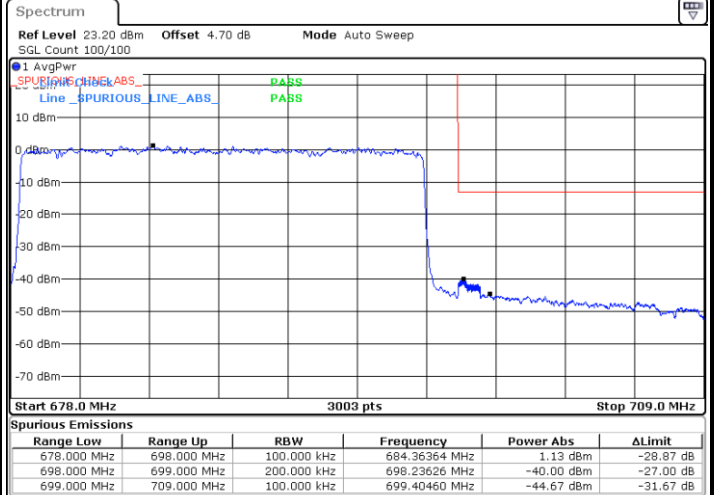
Date: 11.FEB.2021 14:29:48

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2021 14:22:21



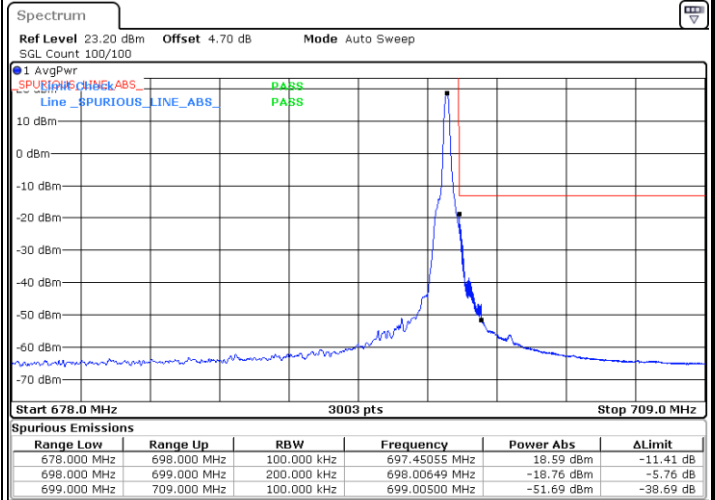
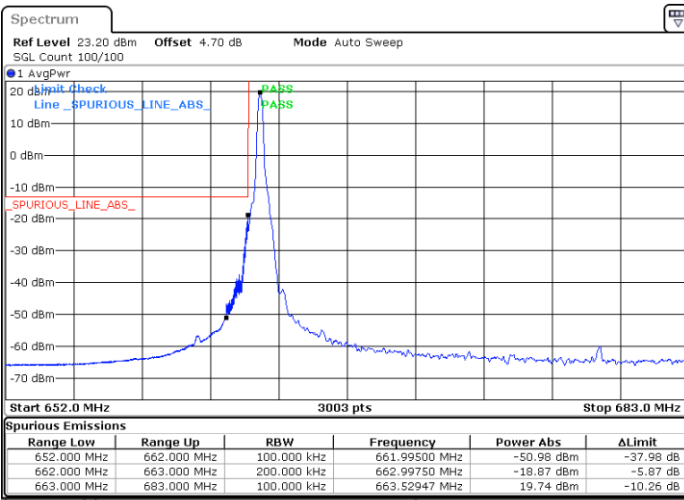
Date: 11.FEB.2021 14:34:04



FR1 n71 / 20MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

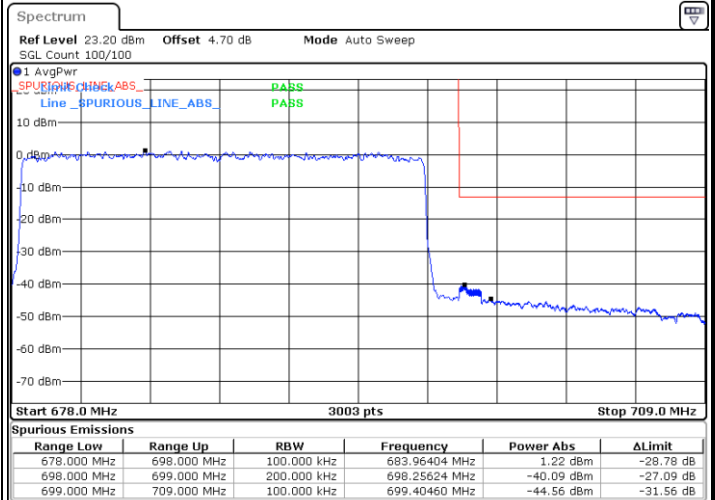
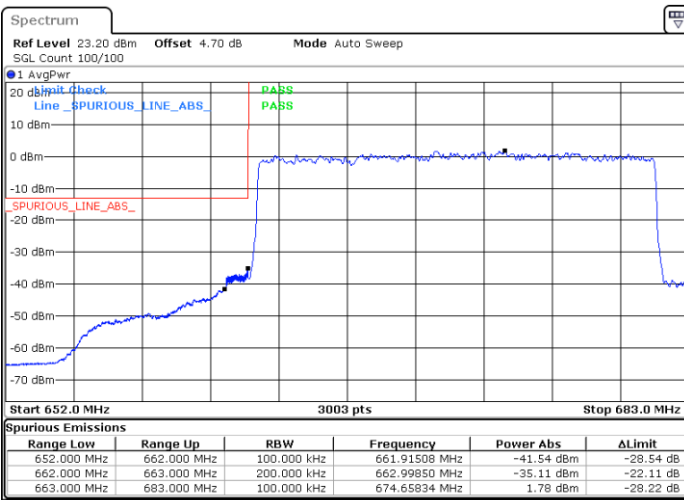


Date: 11.FEB.2021 14:26:21

Date: 11.FEB.2021 14:31:01

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2021 14:22:59

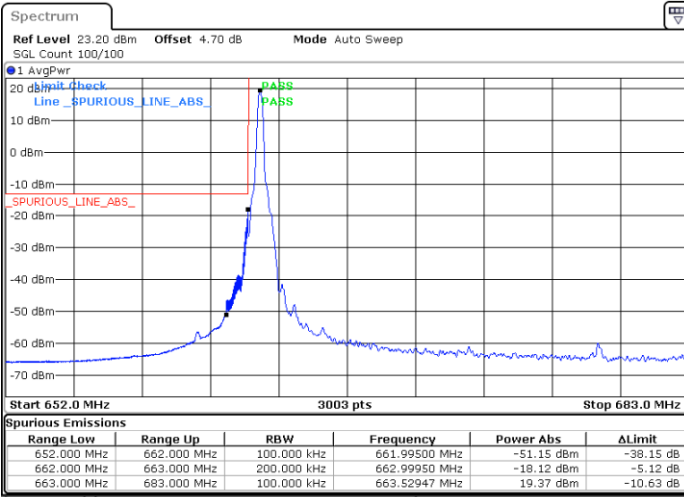
Date: 11.FEB.2021 14:34:58



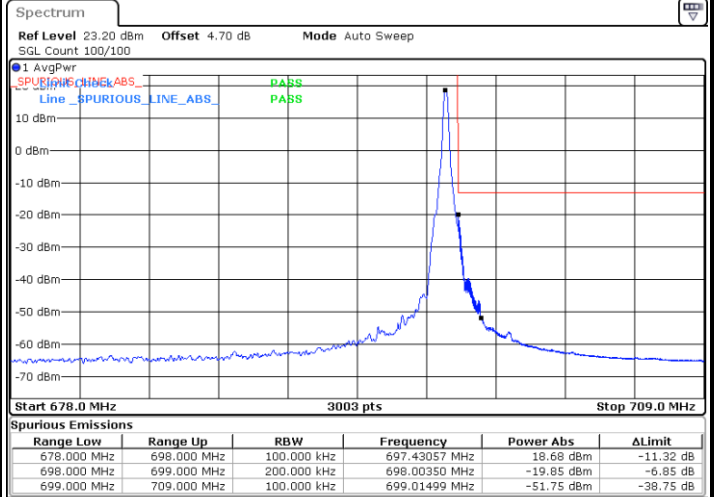
FR1 n71/ 20MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



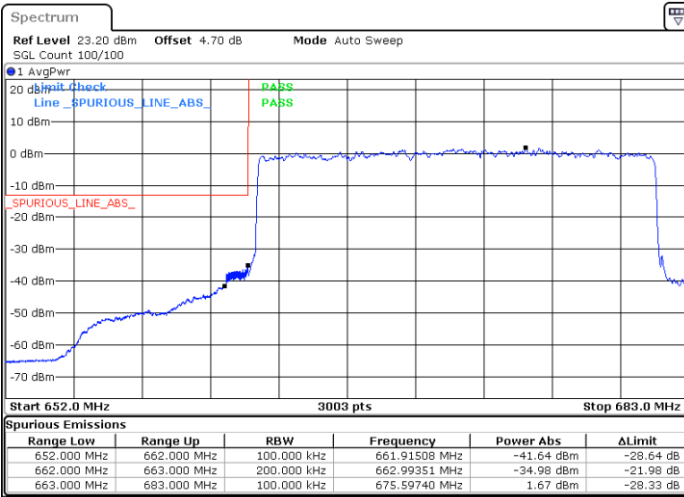
Date: 11.FEB.2021 14:26:56



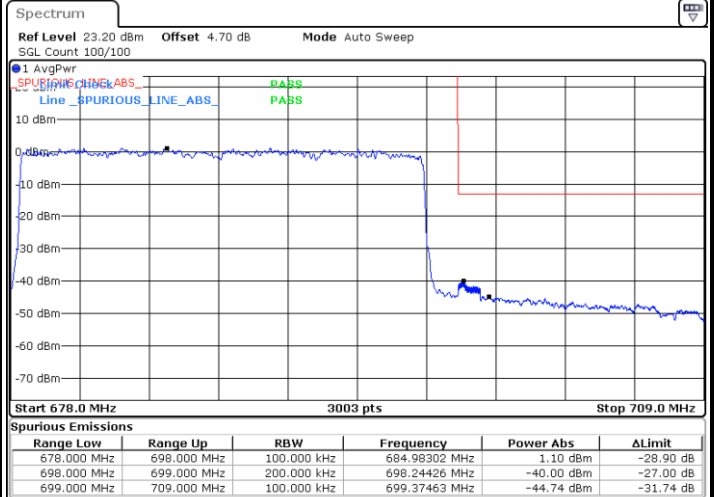
Date: 11.FEB.2021 14:31:39

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2021 14:23:34



Date: 11.FEB.2021 14:35:38

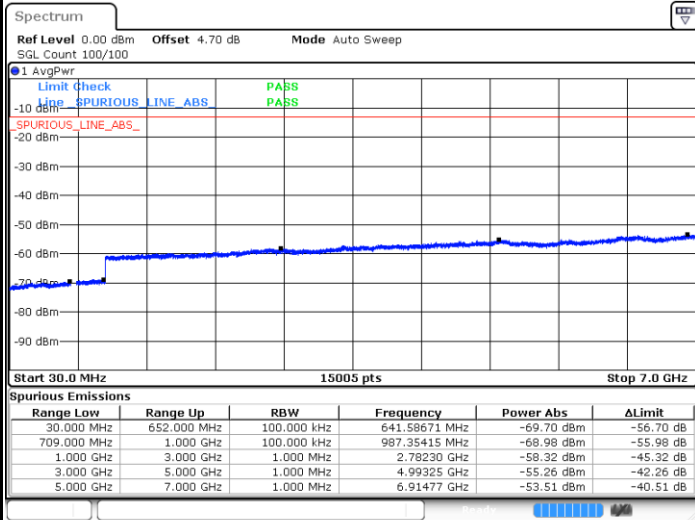


Conducted Spurious Emission

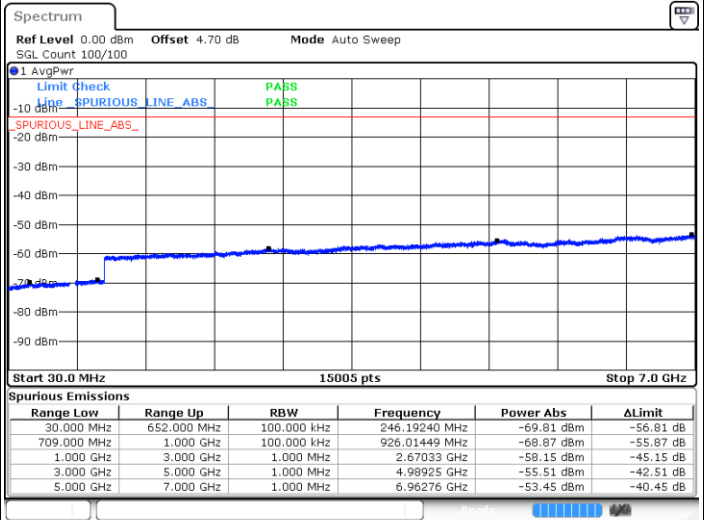
FR1 n71 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

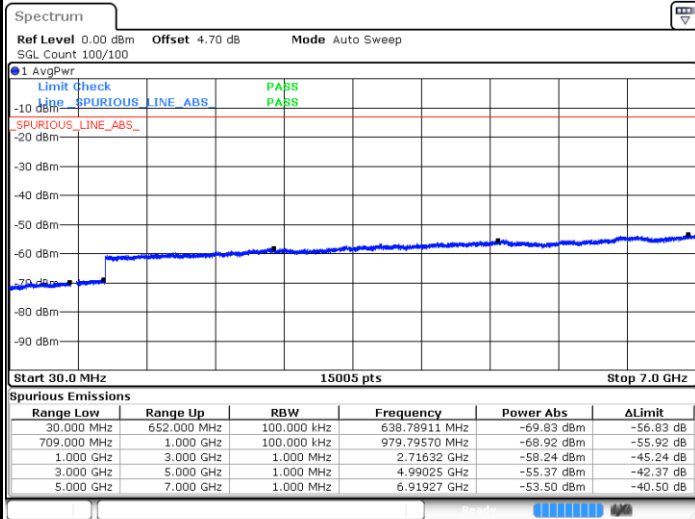


Date: 11.FEB.2021 12:42:56



Date: 11.FEB.2021 12:44:25

Highest Channel / 1RB1



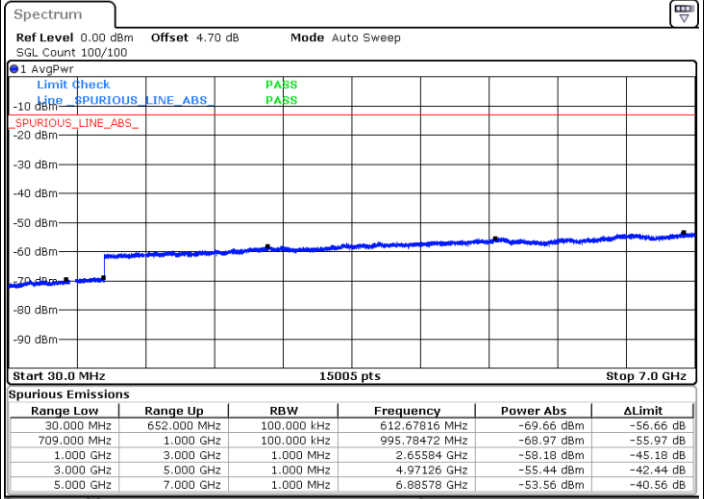
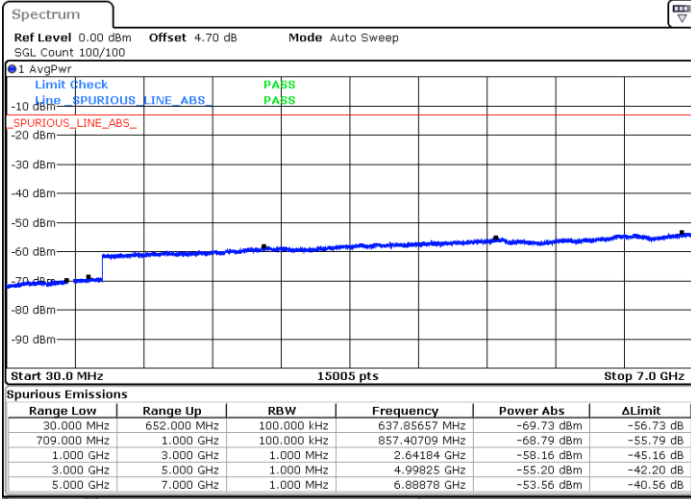
Date: 11.FEB.2021 12:45:08



FR1 n71/ 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

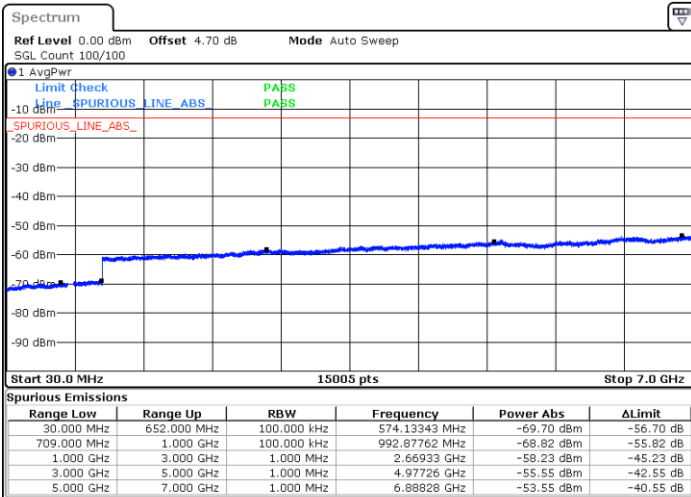
Middle Channel / 1RB1



Date: 11.FEB.2021 13:43:16

Date: 11.FEB.2021 13:43:53

Highest Channel / 1RB1



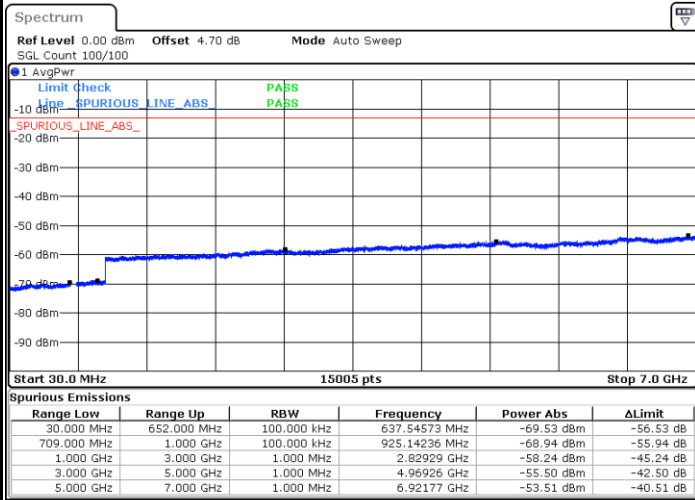
Date: 11.FEB.2021 13:44:35



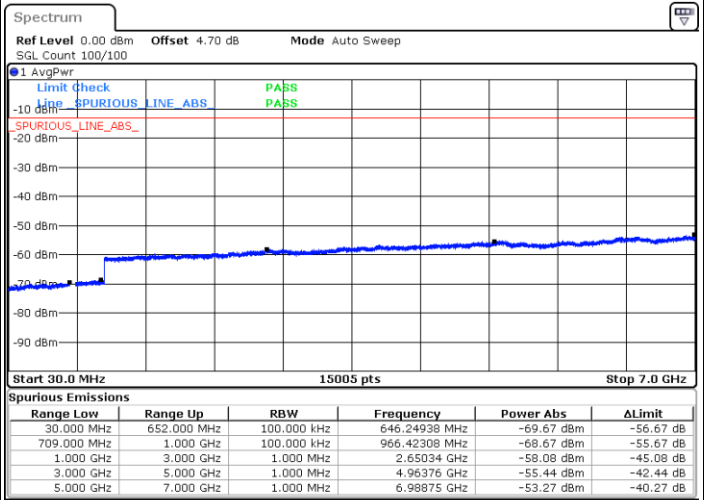
FR1 n71 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

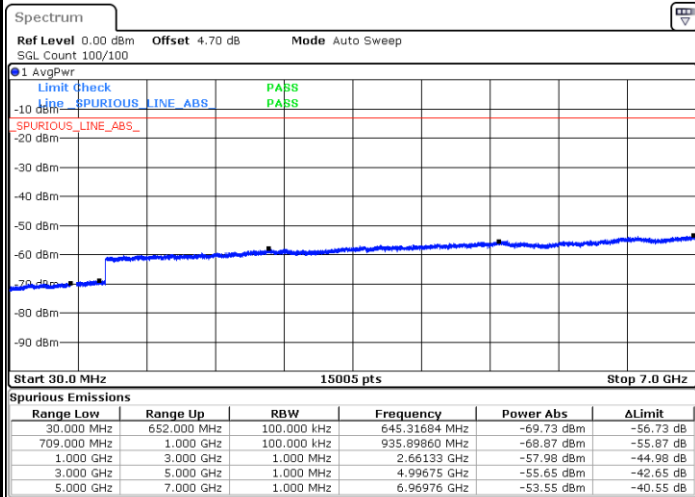


Date: 11.FEB.2021 14:12:39



Date: 11.FEB.2021 14:13:18

Highest Channel / 1RB1



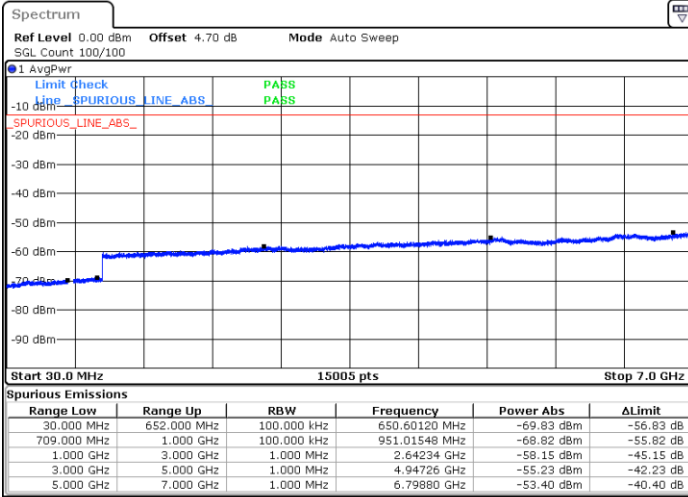
Date: 11.FEB.2021 14:13:59



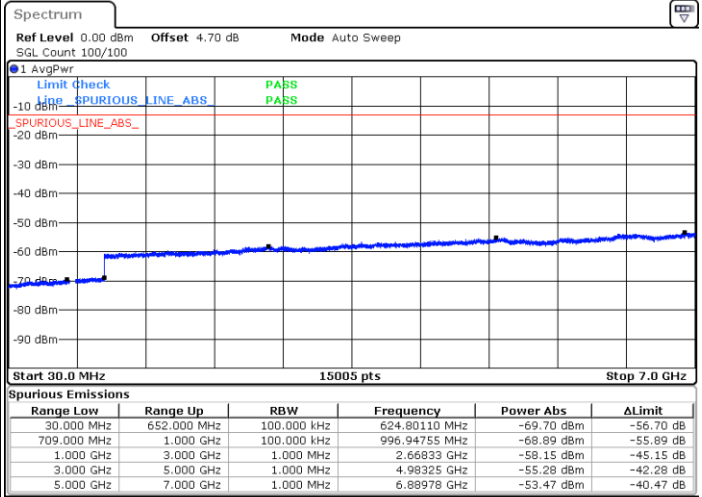
FR1 n71 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

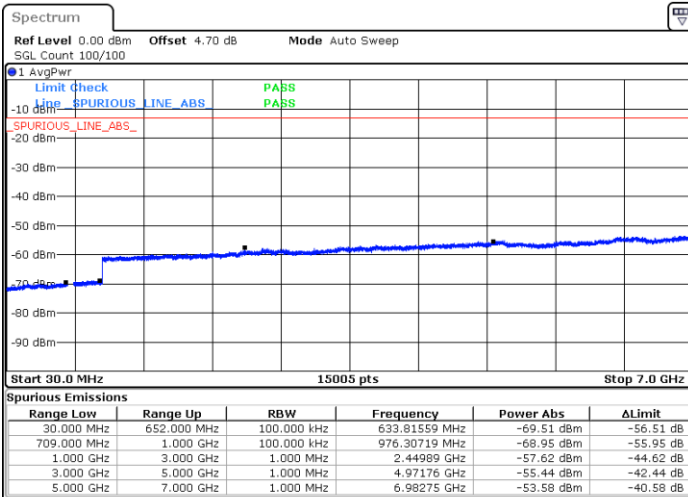


Date: 11.FEB.2021 14:42:26



Date: 11.FEB.2021 14:44:21

Highest Channel / 1RB1



Date: 11.FEB.2021 14:45:08



Frequency Stability

Test Conditions		FR1 n71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0051	
30	Normal Voltage	0.0072	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0020	
0	Normal Voltage	0.0053	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0053	
-30	Normal Voltage	0.0032	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0094	

Note:

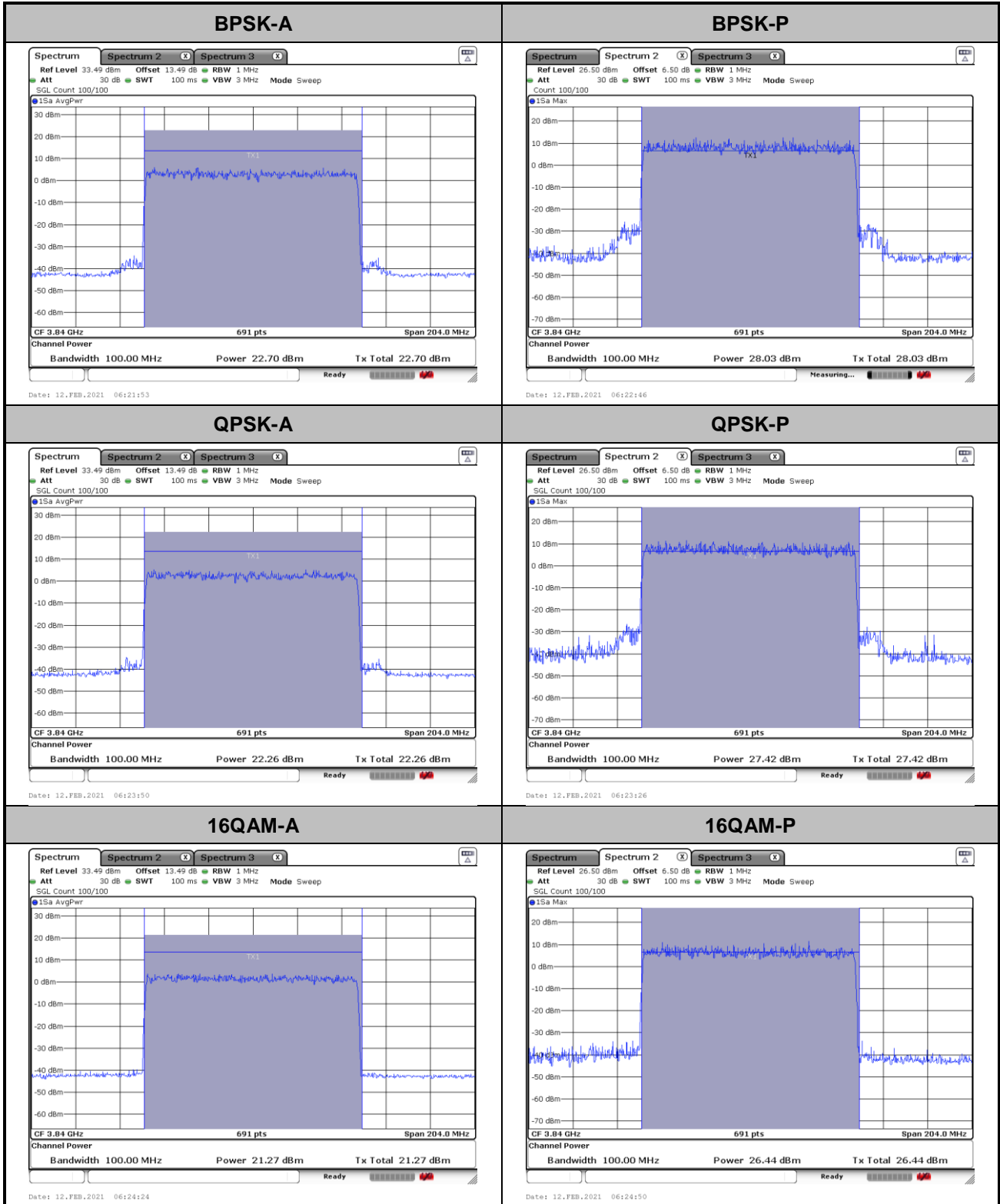
1. Normal Voltage =3.87V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

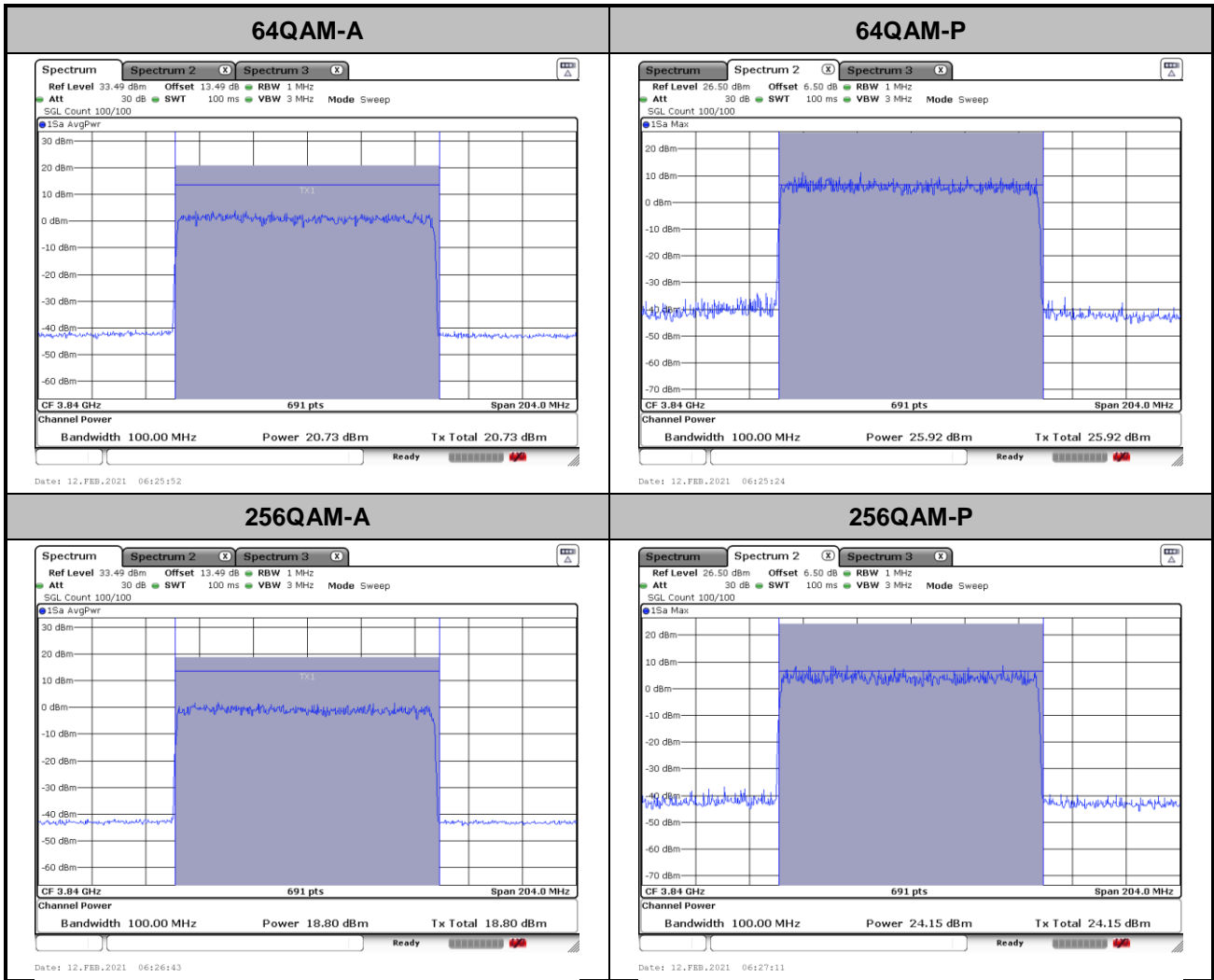


5G NR n77

Peak-to-Average Ratio

Mode	FR1 n71 / 100MHz / DFT-S OFDM				
Mod.	100M				Limit: 13dB
RB Size	BPSK	QPSK	16QAM	64QAM	Result
Middle CH	5.33	5.16	5.17	5.19	PASS
RB Size	256QAM				
Middle CH	5.35				

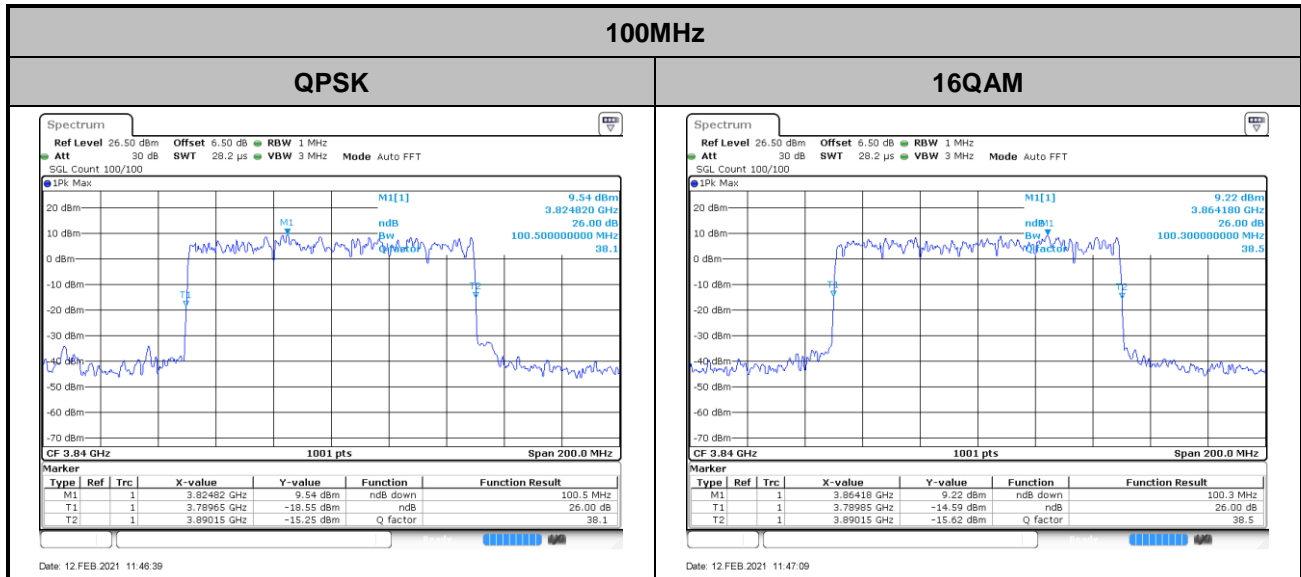






26dB Bandwidth

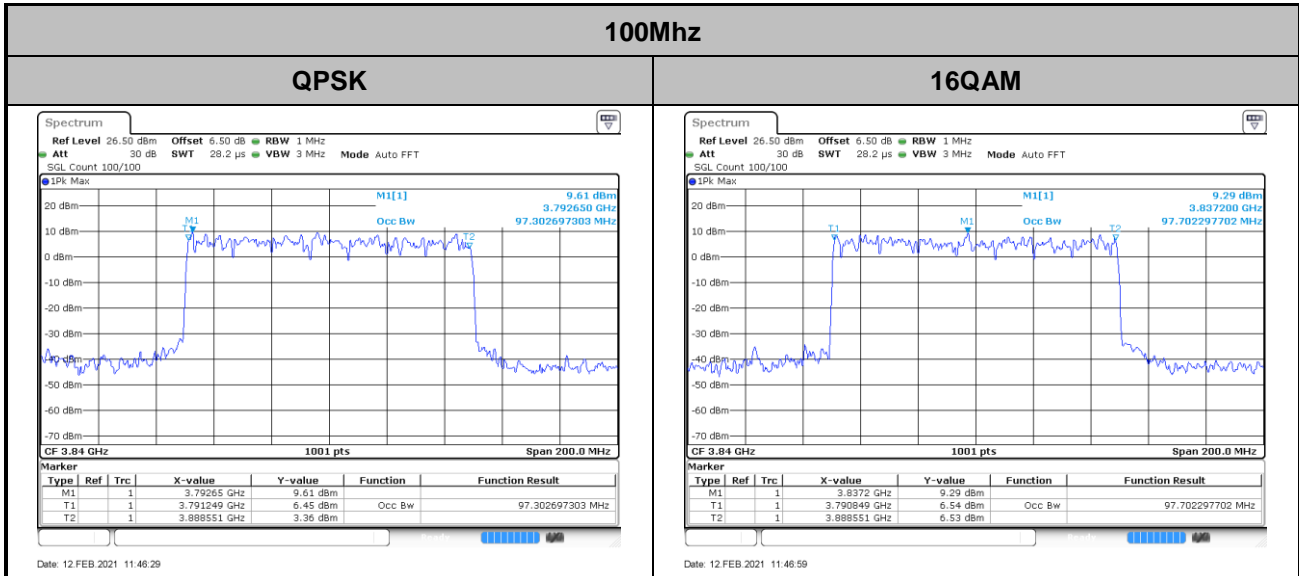
Mode	FR1 n77 : 26dB BW(MHz) / DFT-S OFDM	
BW	100MHz	
Mod.	QPSK	16QAM
Middle CH	100.5	100.3





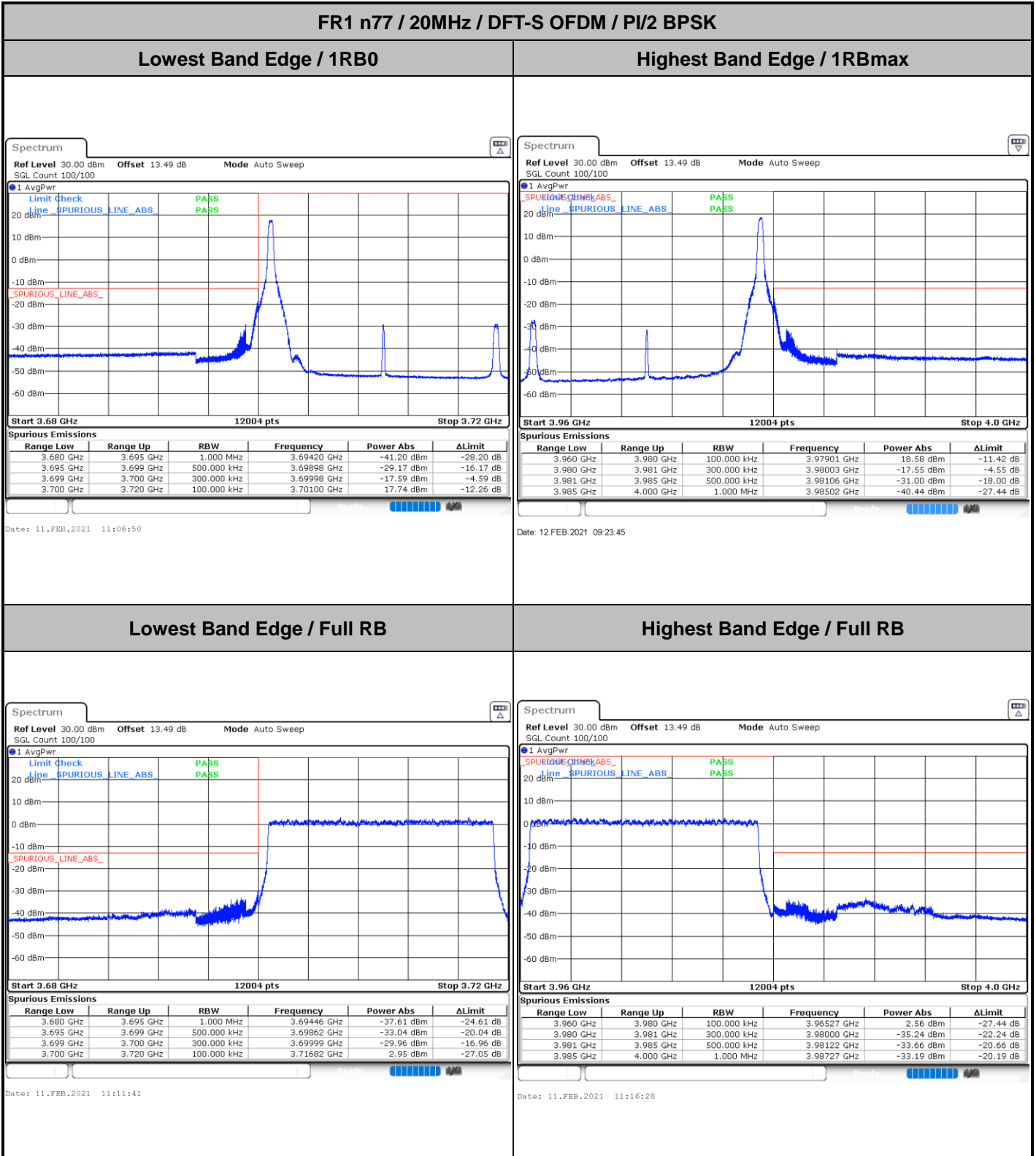
Occupied Bandwidth

Mode	FR1 n77: OB BW(MHz) / DFT-S OFDM	
BW	100MHz	
Mod.	QPSK	16QAM
Middle CH	97.30	97.70





Conducted Band Edge

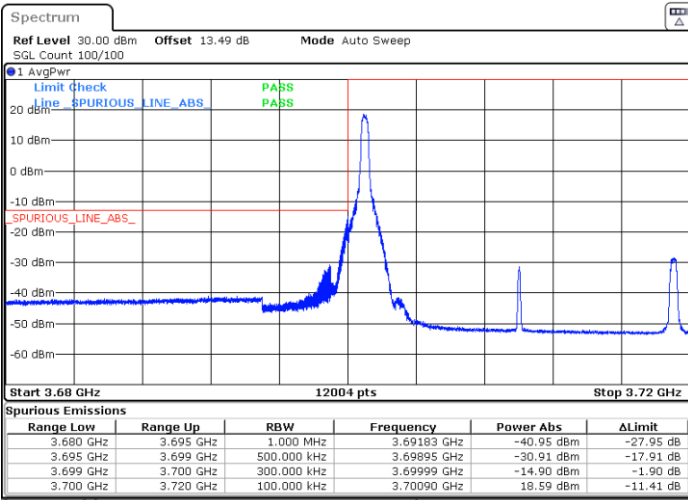




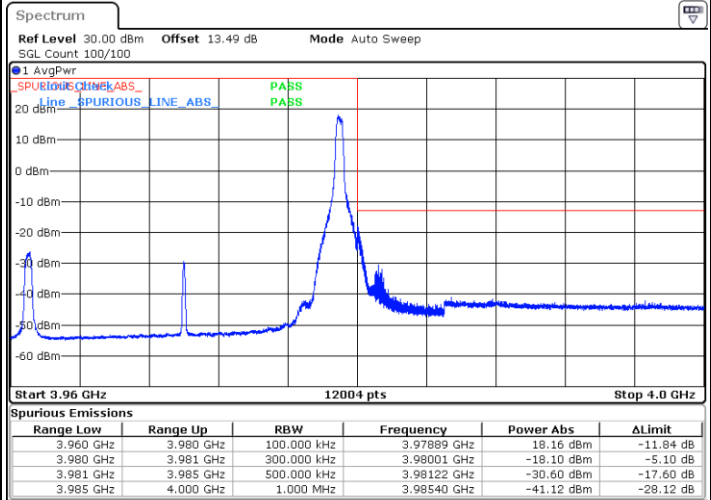
FR1 n77 / 20MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



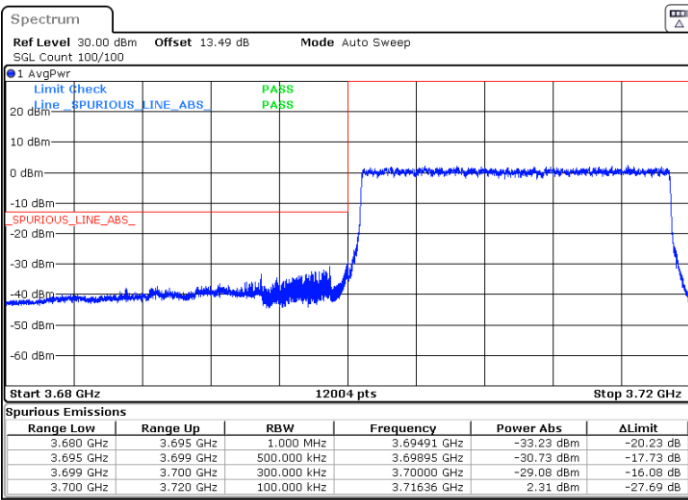
Date: 11.FEB.2021 11:06:08



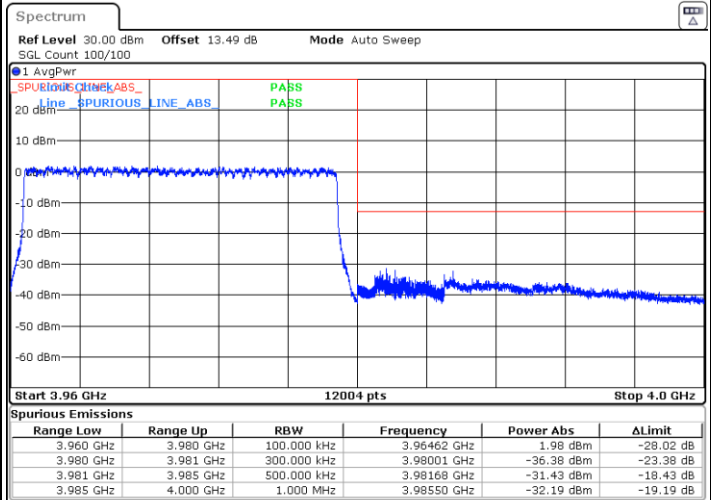
Date: 12.FEB.2021 09:24:26

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2021 11:12:19



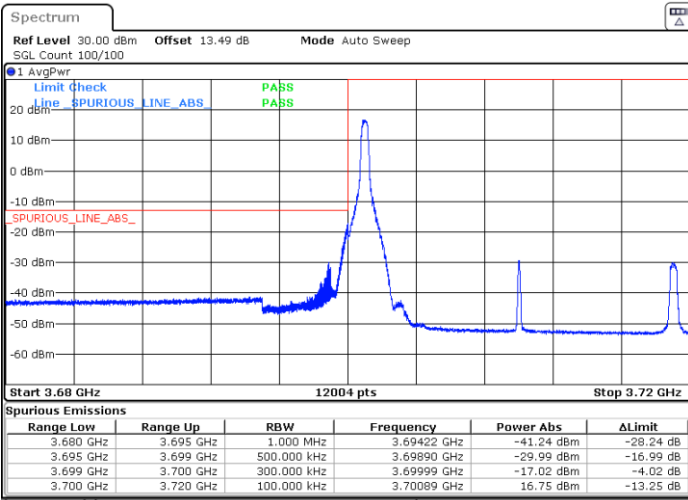
Date: 11.FEB.2021 11:17:08



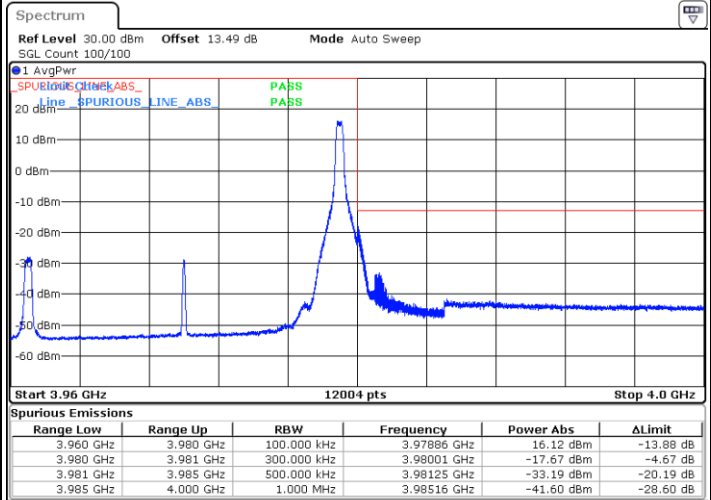
FR1 n77 / 20MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



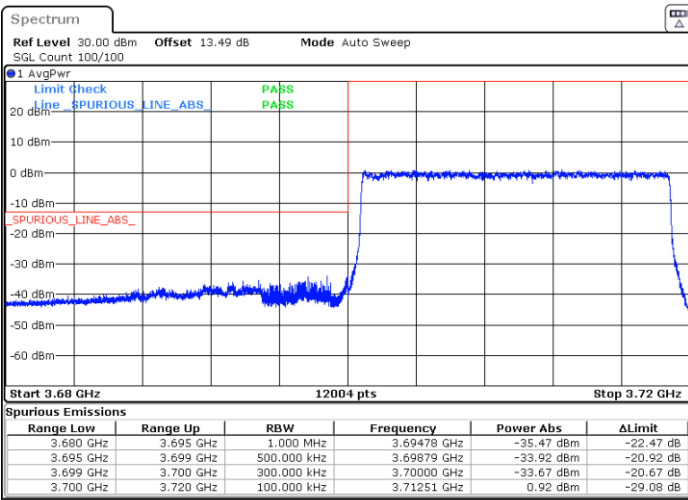
Date: 11.FEB.2021 11:08:33



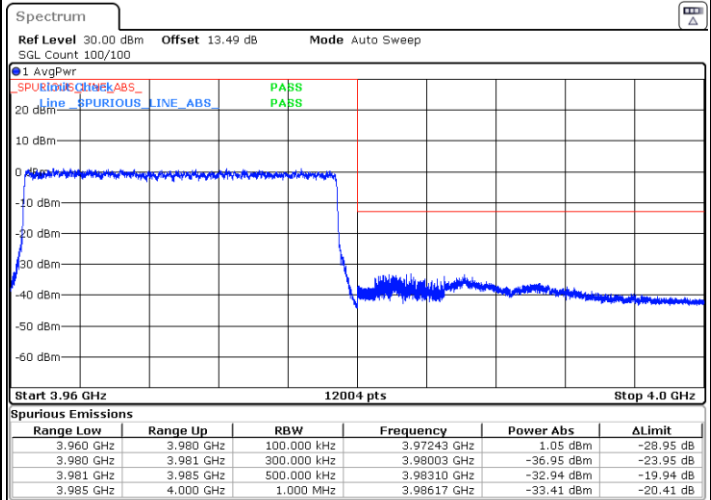
Date: 12.FEB.2021 09:25:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 11.FEB.2021 11:13:45



Date: 11.FEB.2021 11:17:42