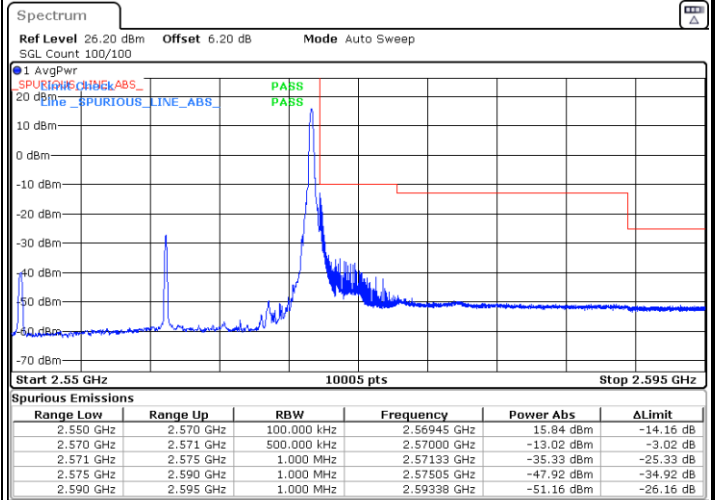
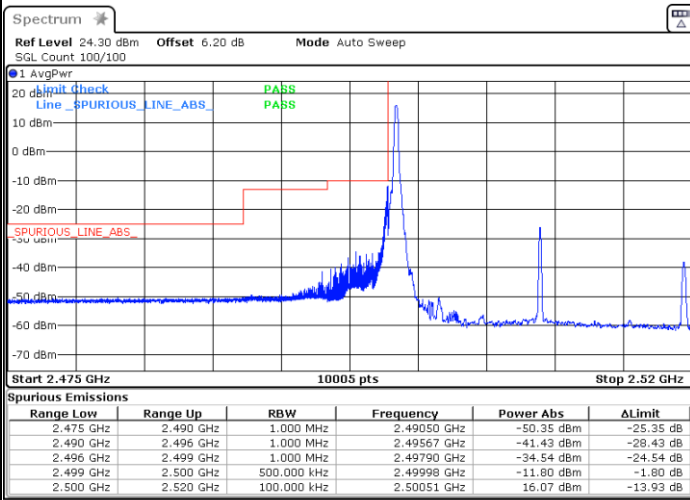




FR1 n7 / 20MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

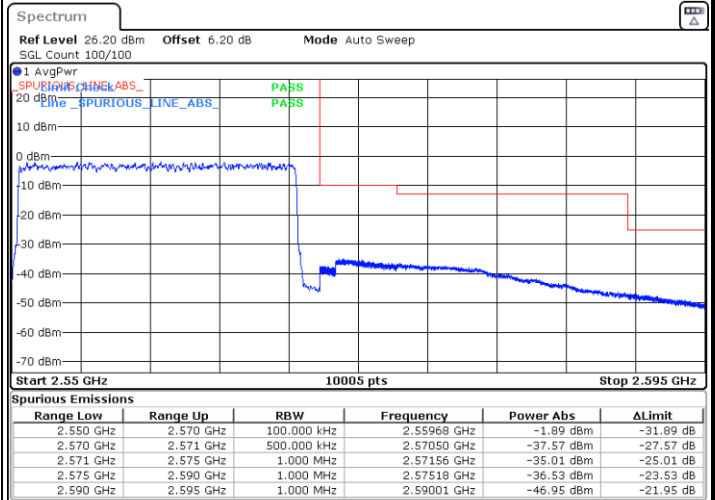
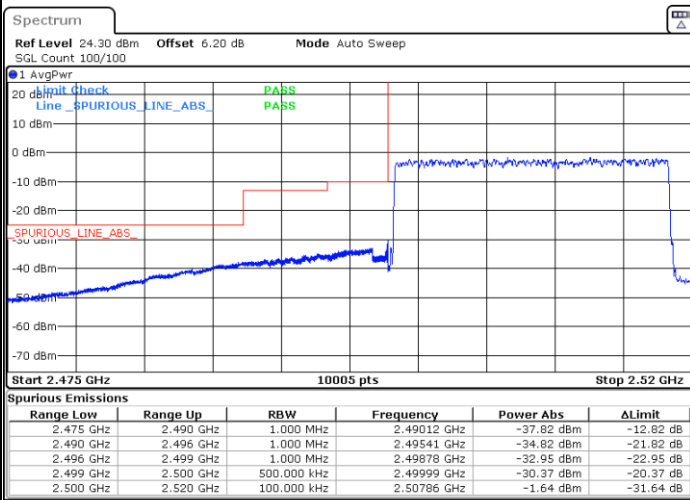


Date: 4.FEB.2021 04:23:15

Date: 4.FEB.2021 04:30:34

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 04:23:51

Date: 4.FEB.2021 04:29:41

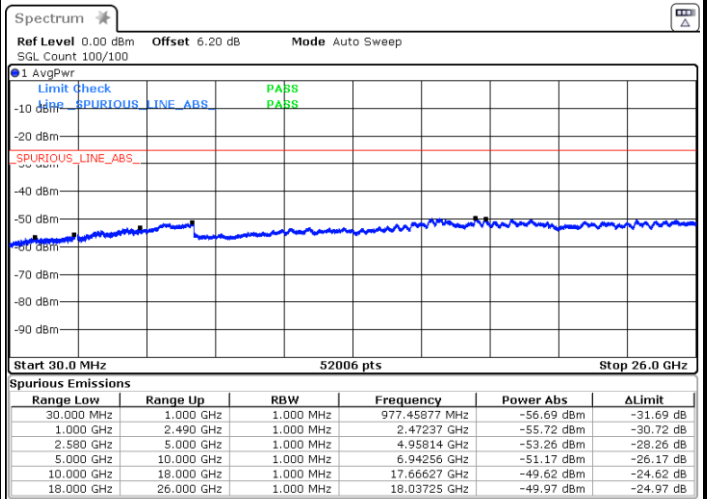
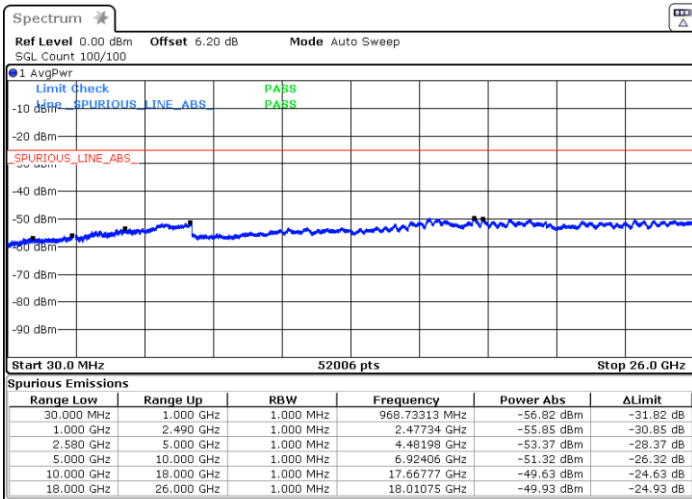


Conducted Spurious Emission

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

Lowest Channel / 1RB1

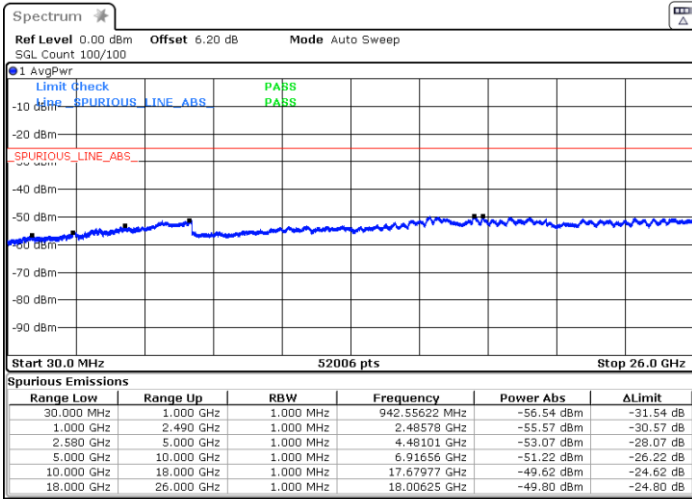
Middle Channel / 1RB1



Date: 4.FEB.2021 03:10:32

Date: 4.FEB.2021 03:09:32

Highest Channel / 1RB1



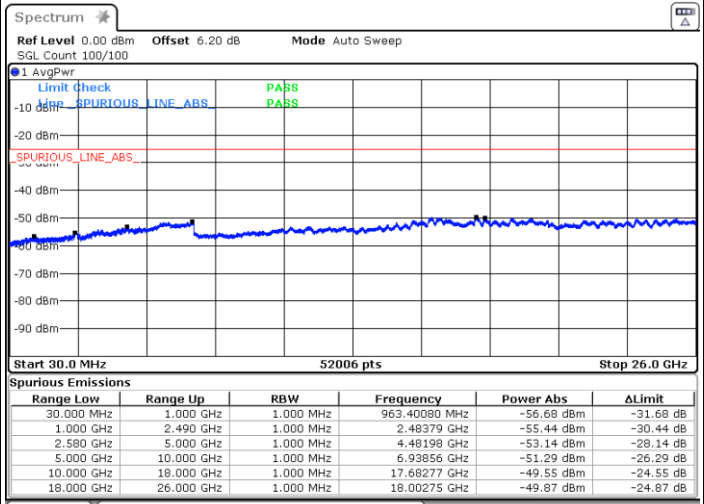
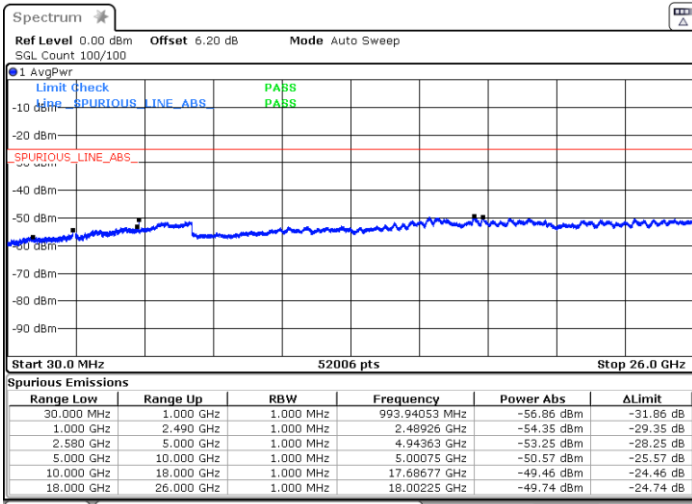
Date: 4.FEB.2021 03:07:31



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

Lowest Channel / 1RB1

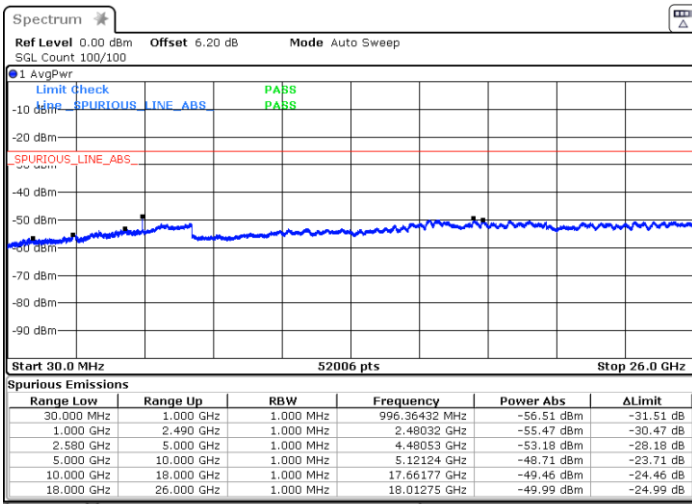
Middle Channel / 1RB1



Date: 4.FEB.2021 03:37:15

Date: 4.FEB.2021 03:36:04

Highest Channel / 1RB1



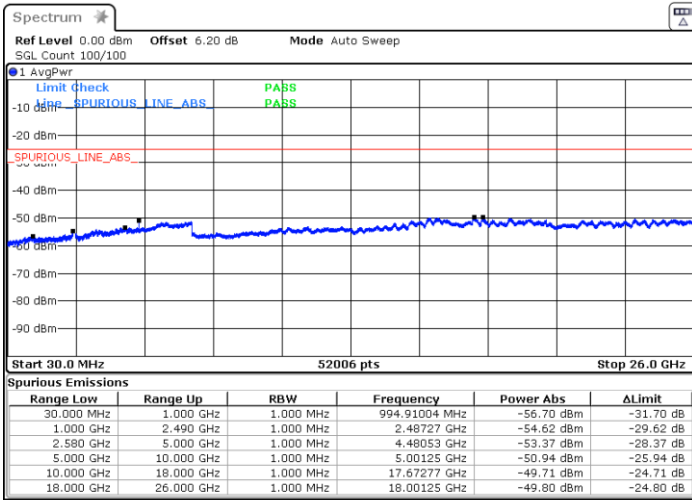
Date: 4.FEB.2021 03:34:57



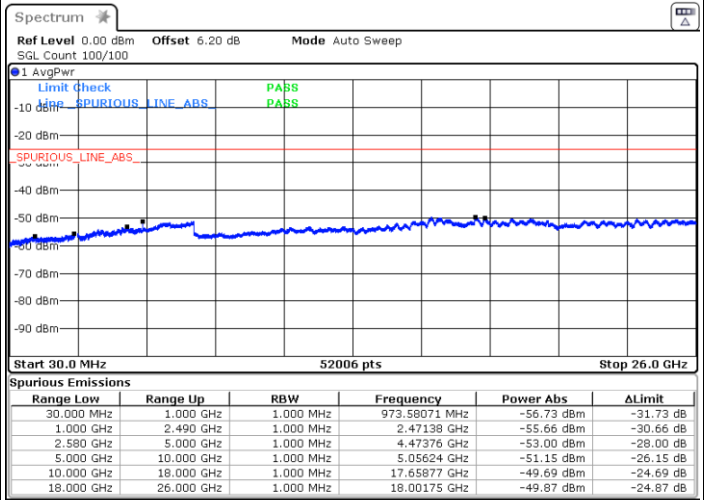
FR1 n7 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

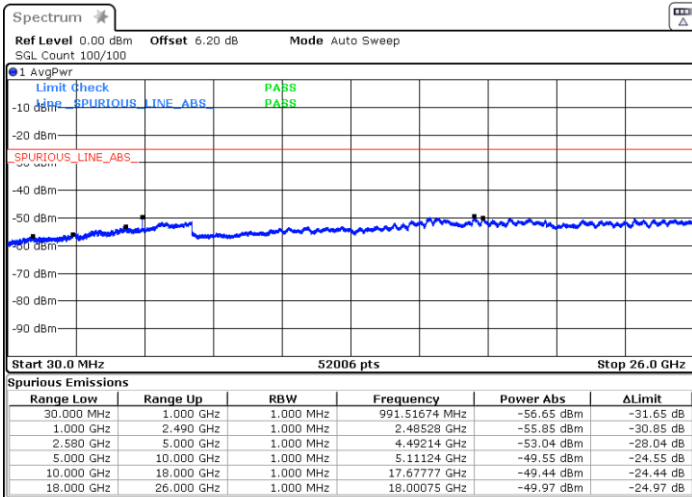


Date: 4.FEB.2021 03:48:21



Date: 4.FEB.2021 04:07:18

Highest Channel / 1RB1



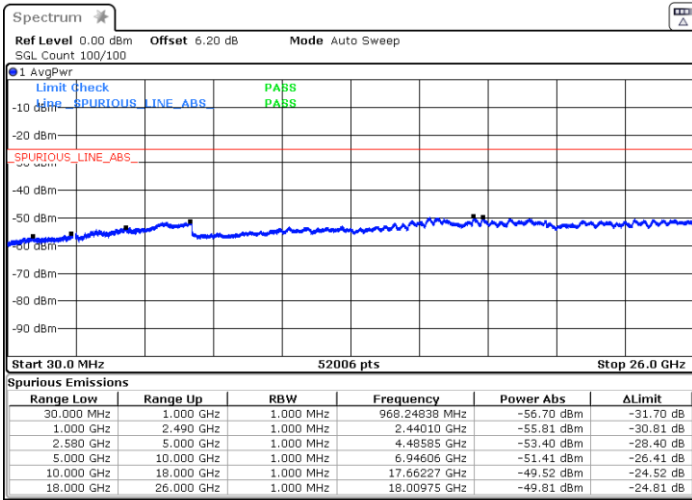
Date: 4.FEB.2021 04:05:22



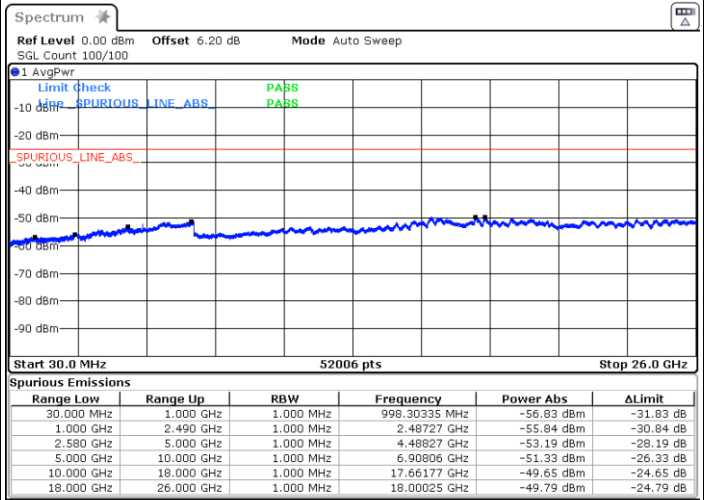
FR1 n7 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

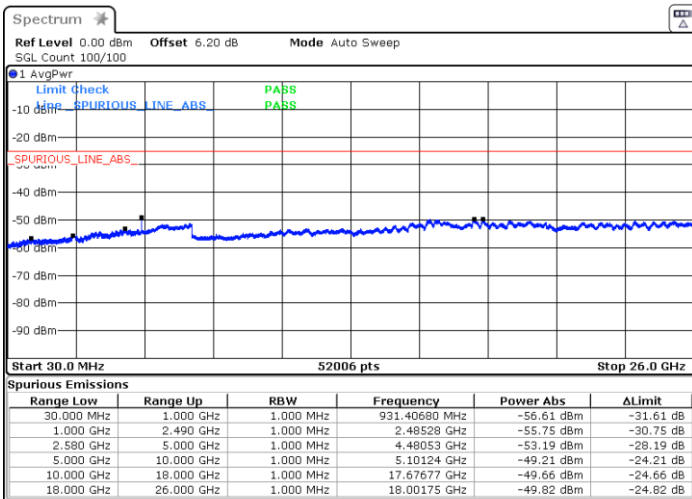


Date: 4.FEB.2021 04:17:49



Date: 4.FEB.2021 04:39:55

Highest Channel / 1RB1



Date: 4.FEB.2021 04:38:40



Frequency Stability

Test Conditions		FR1 n7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0009	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0025	

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.



FR1 n77 NSA

Peak-to-Average Ratio

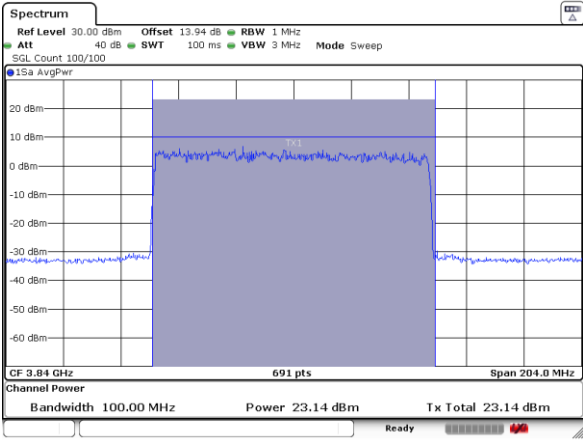
Mode	FR1 n77 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.21	5.14	5.21	5.4	PASS
Mode	FR1 n77 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	5.11				PASS

Note: PAR=Peak-Average



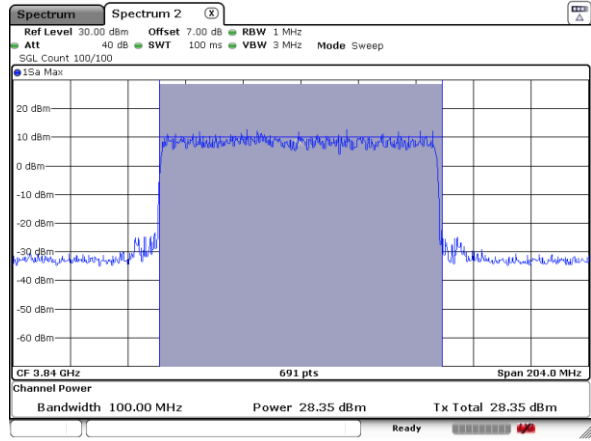
FR1 n77 / 100MHz / DFT-S OFDM

PI/2 BPSK-A



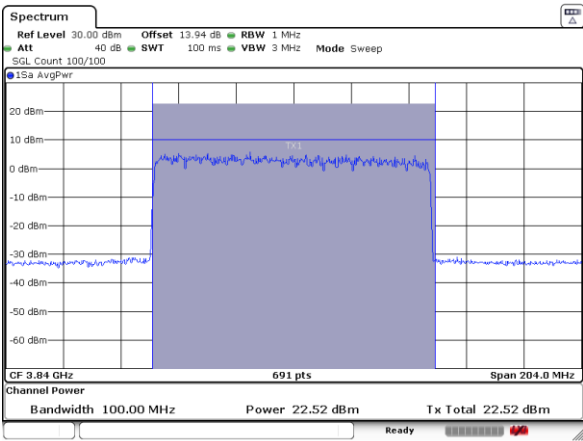
Date: 4.FEB.2021 12:40:17

PI/2 BPSK-P



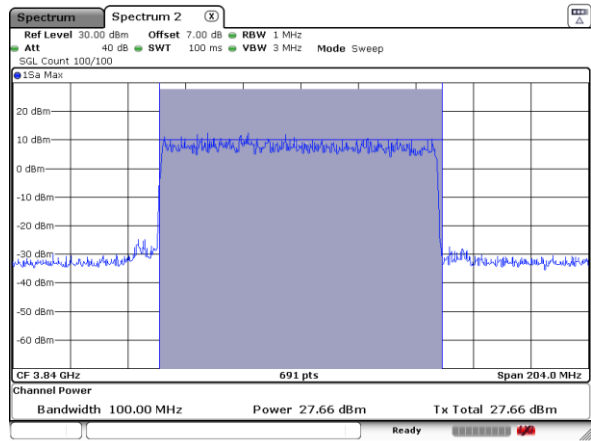
Date: 4.FEB.2021 12:44:41

QPSK-A



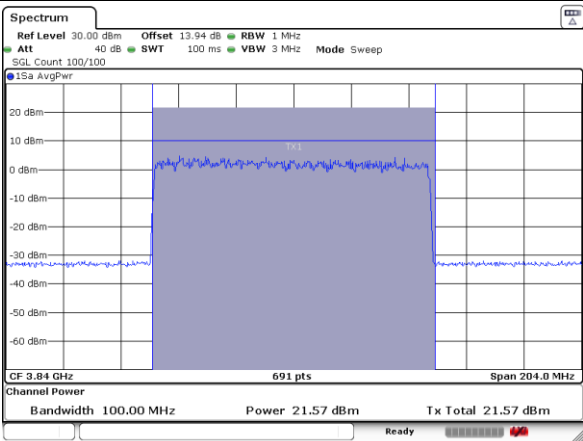
Date: 4.FEB.2021 12:41:04

QPSK-P



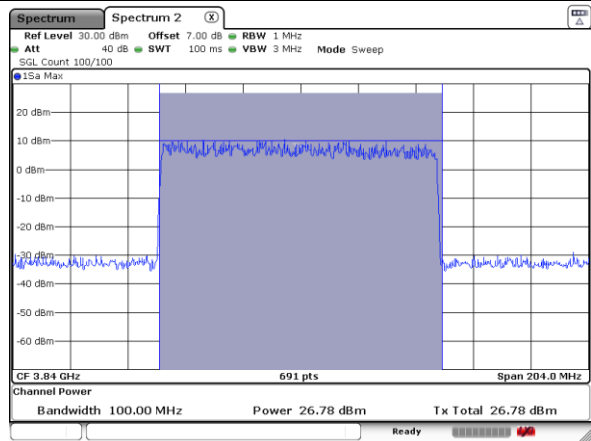
Date: 4.FEB.2021 12:44:20

16QAM-A



Date: 4.FEB.2021 12:41:27

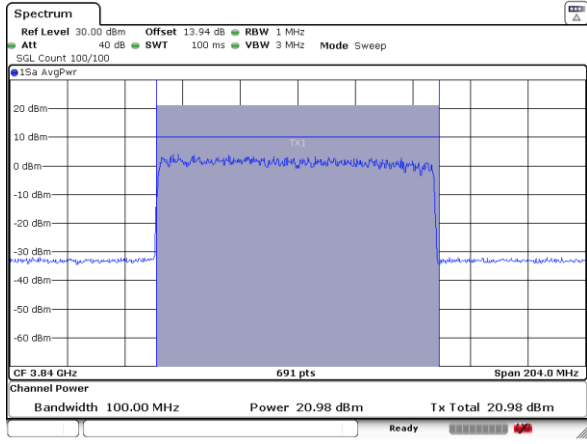
16QAM-P



Date: 4.FEB.2021 12:43:56

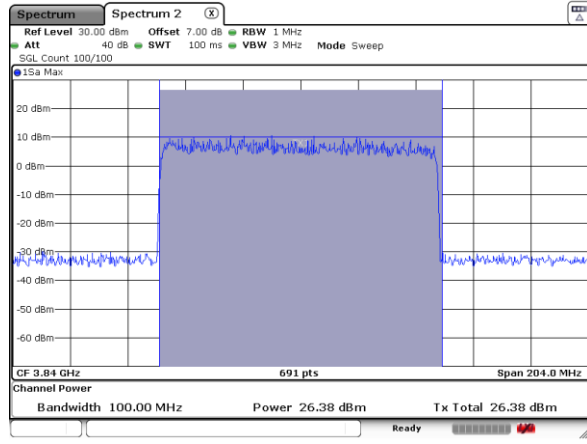


64QAM-A



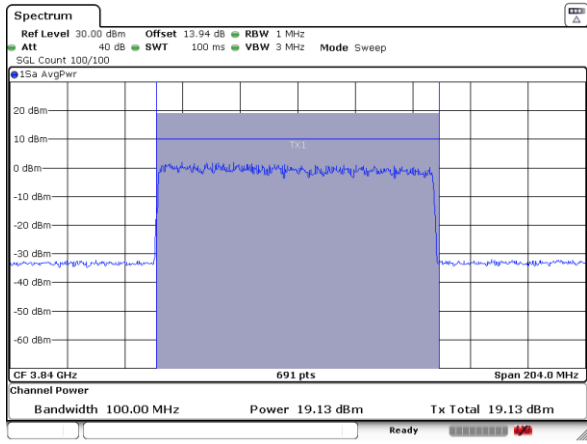
Date: 4.FEB.2021 12:41:54

64QAM-P



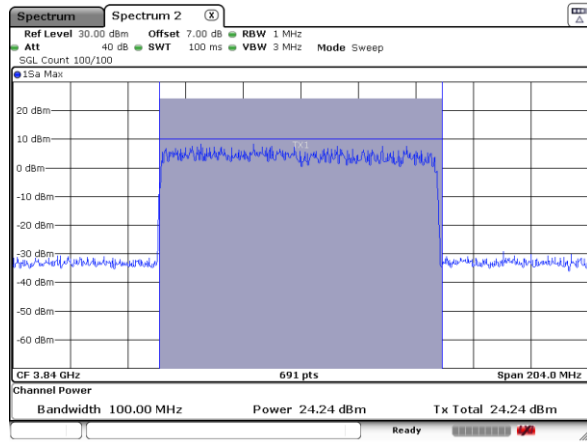
Date: 4.FEB.2021 12:43:34

256QAM-A



Date: 4.FEB.2021 12:42:19

256QAM-P

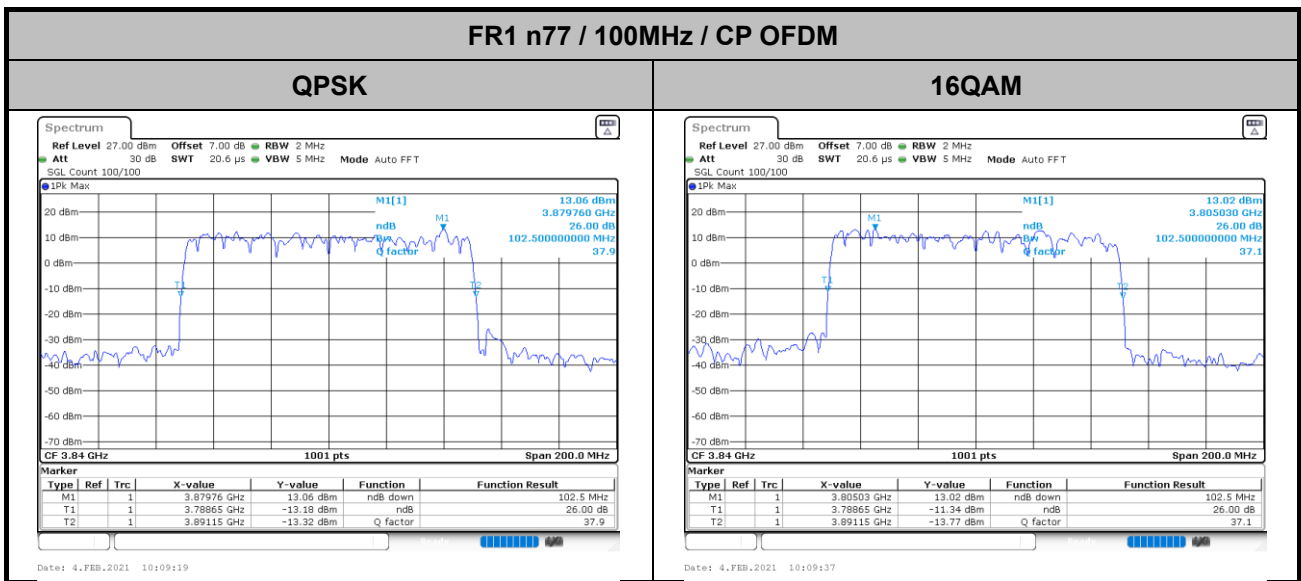


Date: 4.FEB.2021 12:43:08



26dB Bandwidth

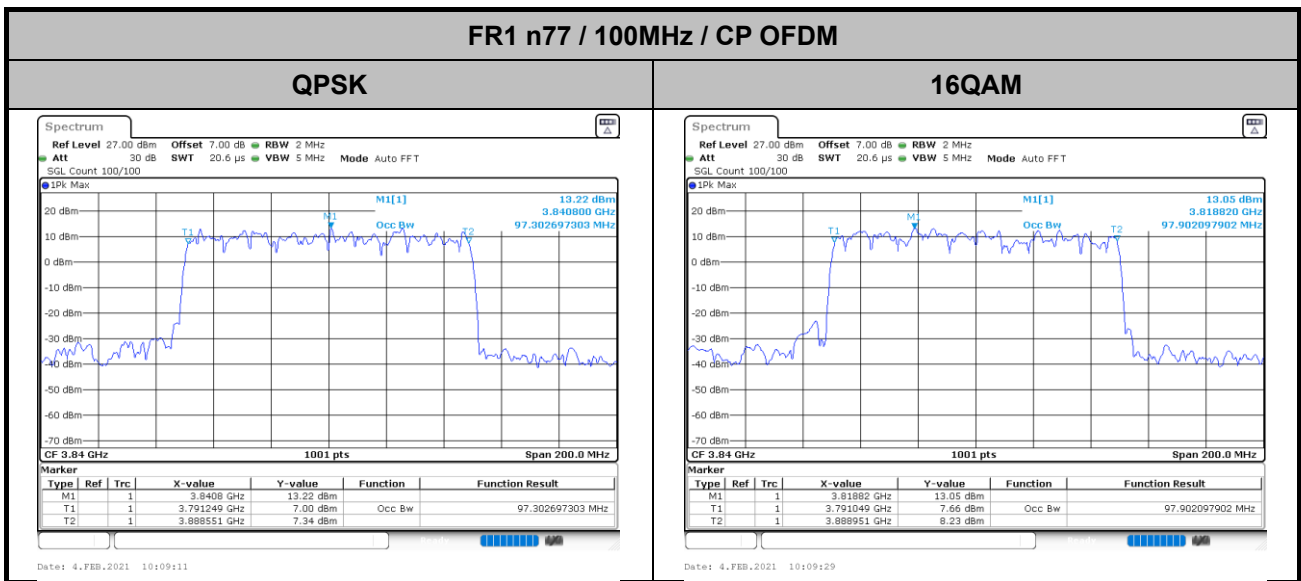
Mode	FR1 n77 : 26dB BW(MHz) / CP OFDM	
BW	100MHz	
Mod.	QPSK	16QAM
Middle CH	102.5	102.5





Occupied Bandwidth

Mode	FR1 n77 : 99%OBW(MHz) / CP OFDM	
BW	100MHz	
Mod.	QPSK	16QAM
Middle CH	97.303	97.902



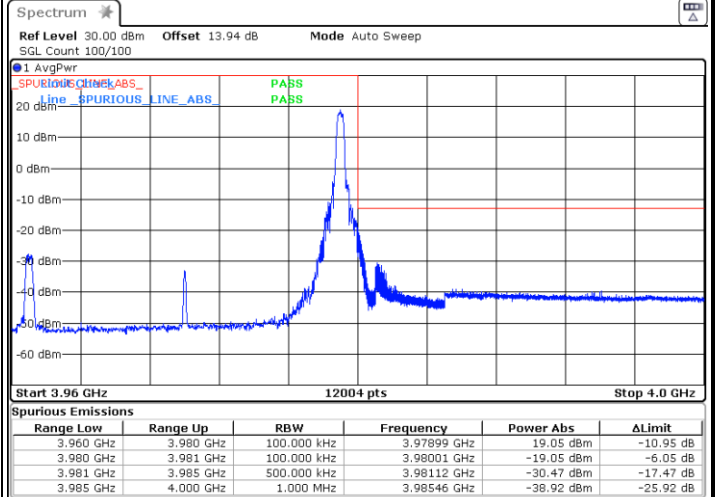
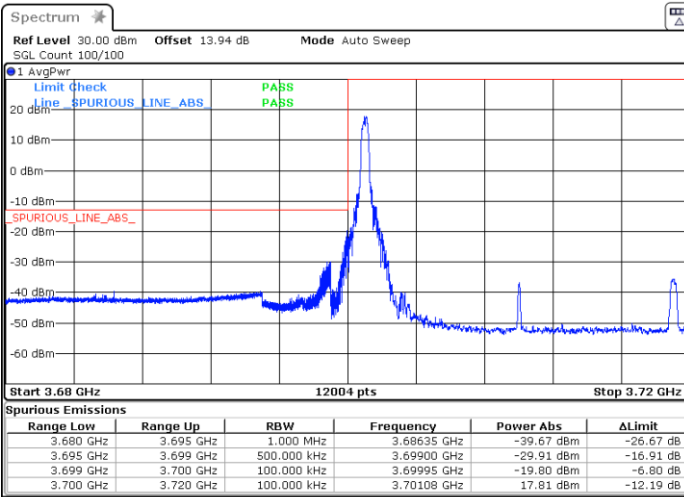


Conducted Band Edge

FR1 n77 / 20MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

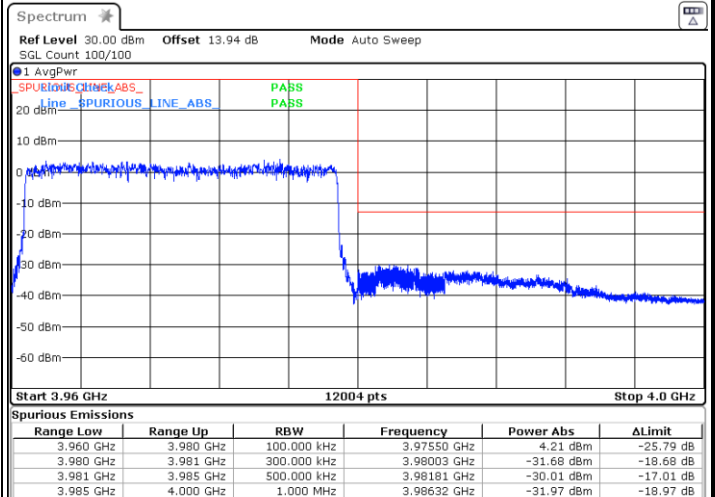
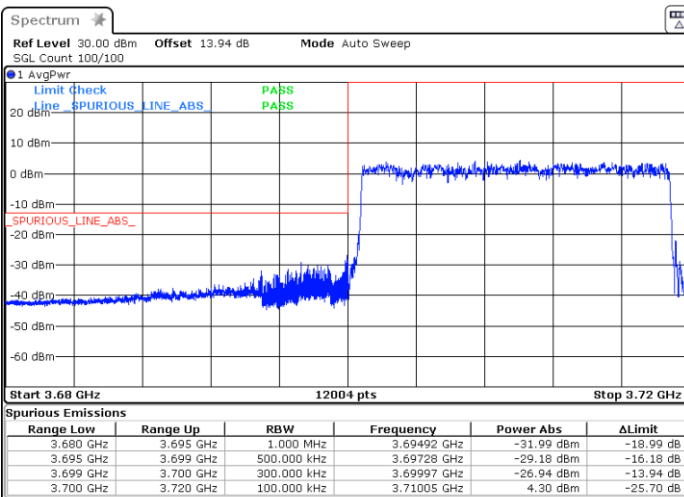


Date: 4.FEB.2021 11:45:14

Date: 4.FEB.2021 11:55:08

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 11:53:22

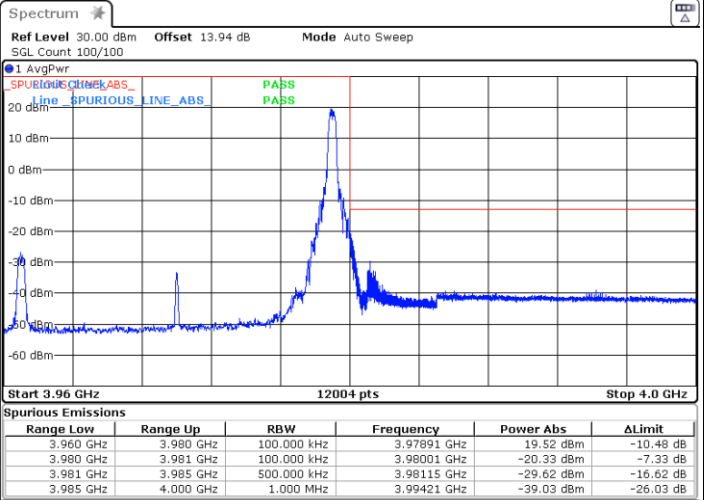
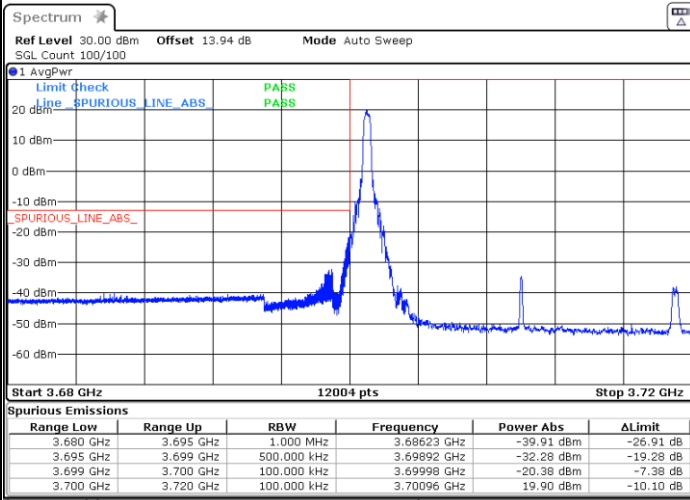
Date: 4.FEB.2021 11:57:31



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

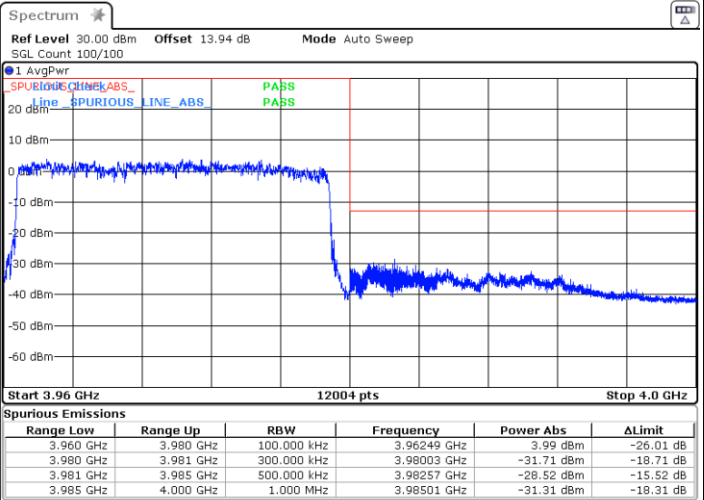
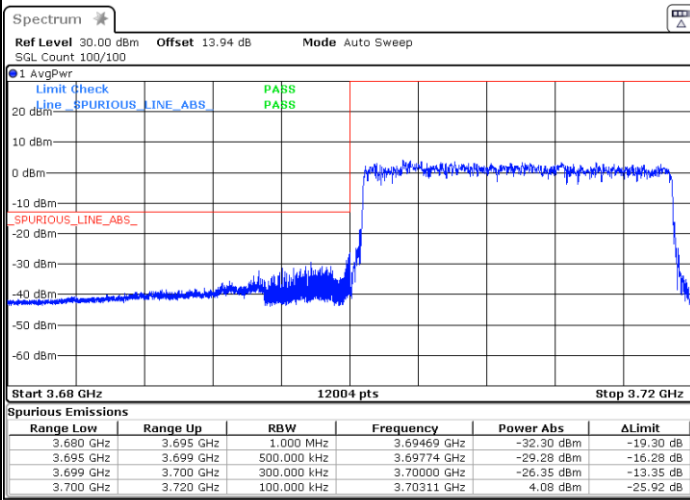


Date: 4.FEB.2021 11:45:40

Date: 4.FEB.2021 11:55:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 11:53:37

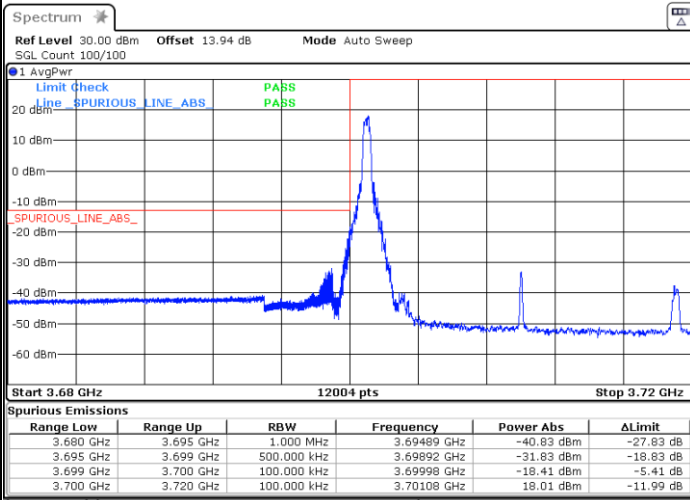
Date: 4.FEB.2021 11:57:46



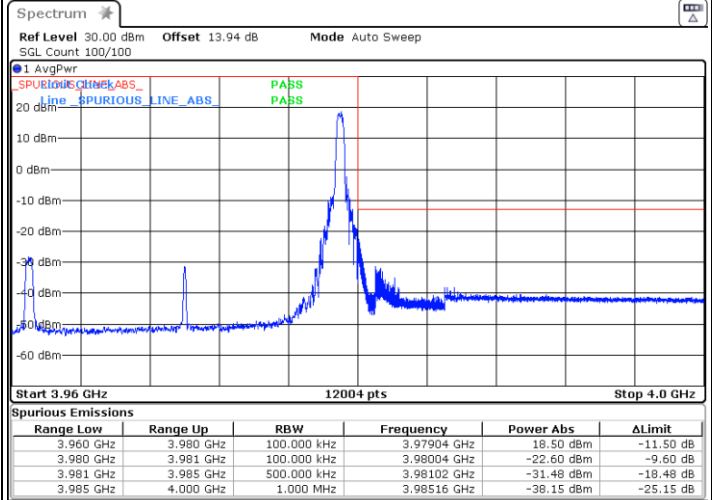
FR1 n77 / 20MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



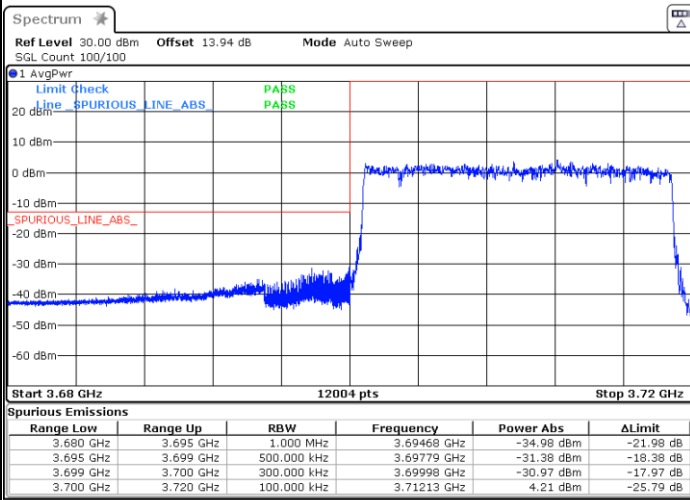
Date: 4.FEB.2021 11:46:03



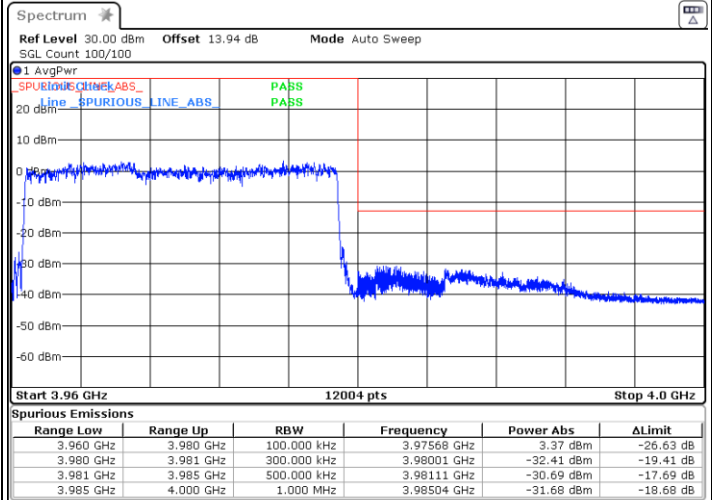
Date: 4.FEB.2021 11:55:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 11:53:53



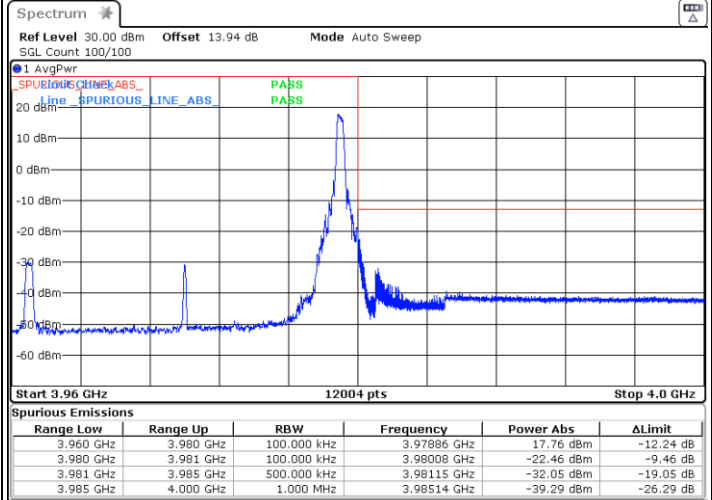
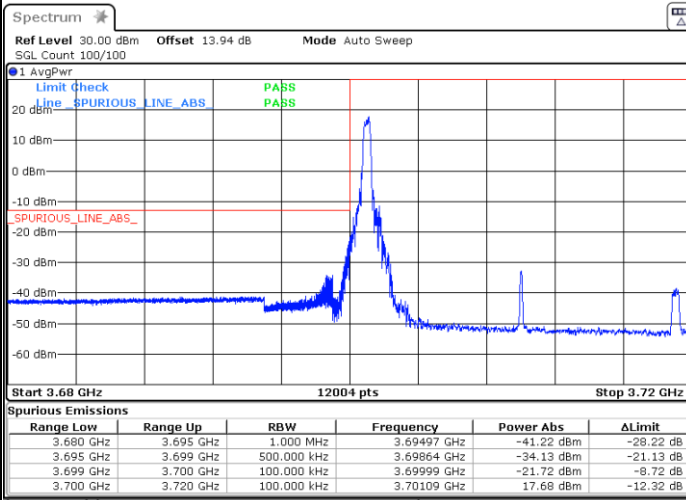
Date: 4.FEB.2021 11:58:02



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

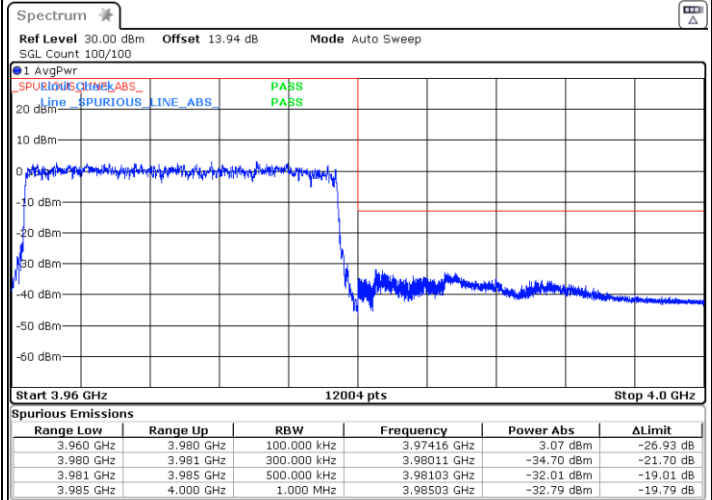
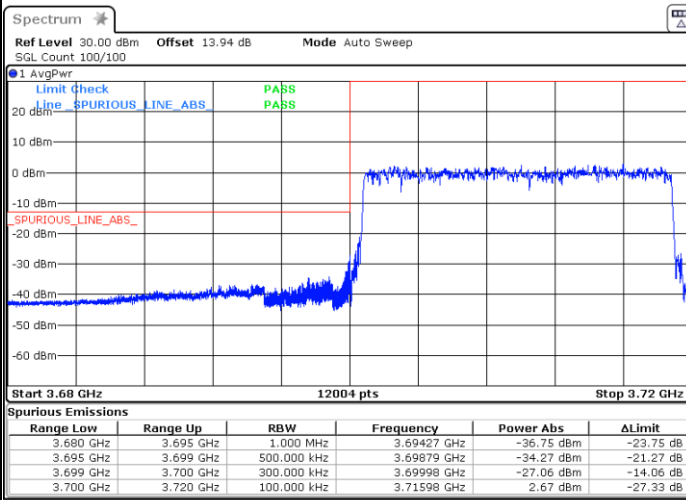


Date: 4.FEB.2021 11:46:26

Date: 4.FEB.2021 11:56:17

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 11:54:08

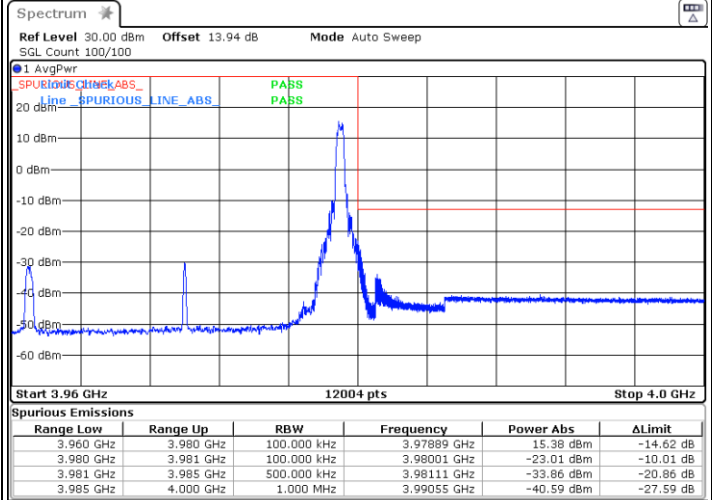
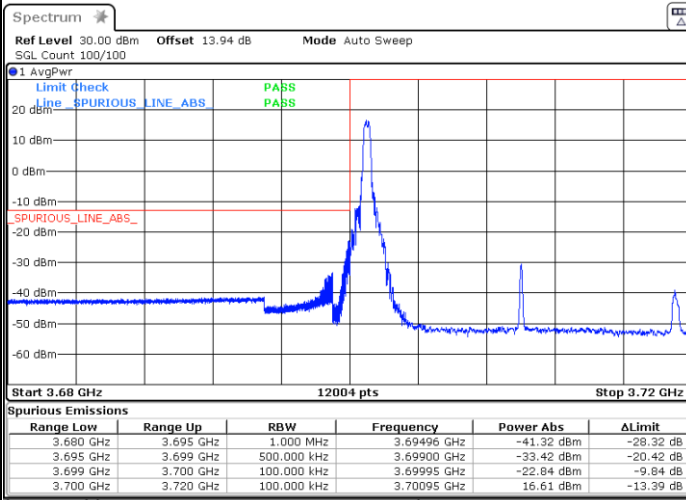
Date: 4.FEB.2021 11:58:19



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

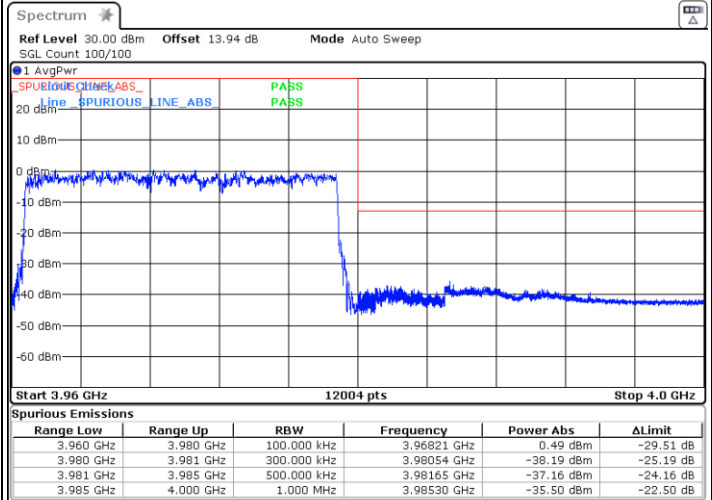
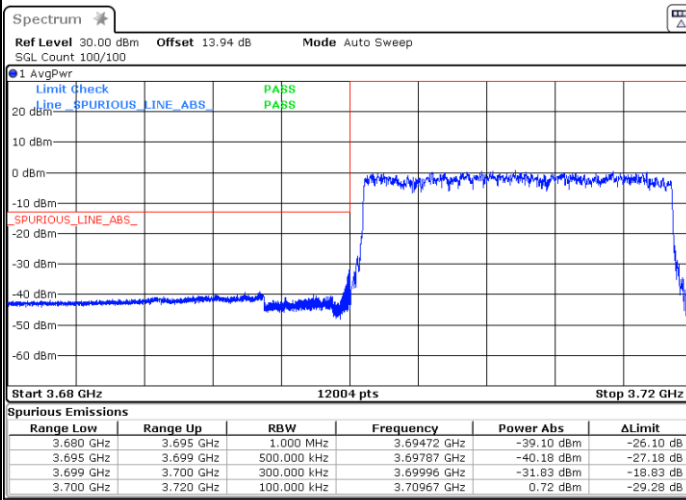


Date: 4.FEB.2021 11:46:50

Date: 4.FEB.2021 11:56:47

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 11:54:24

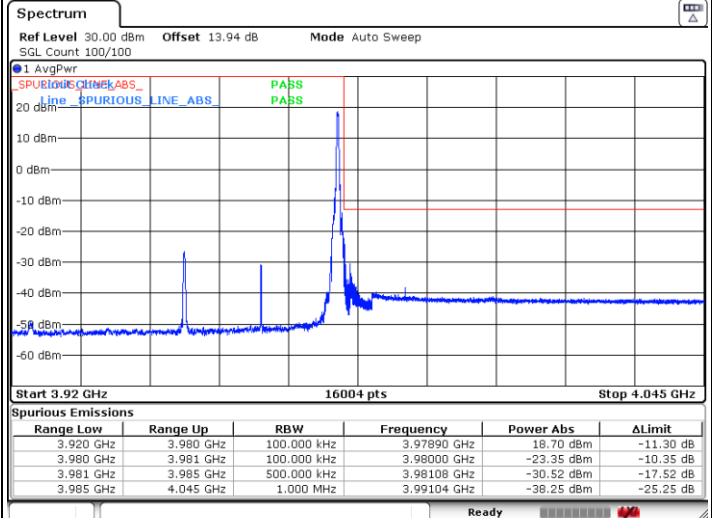
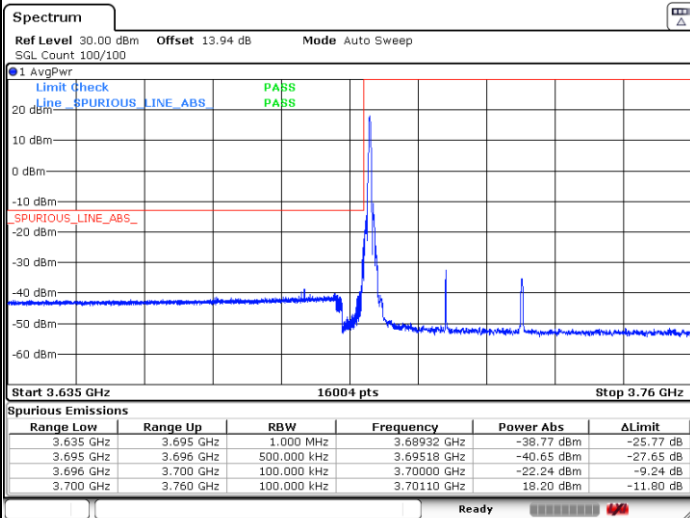
Date: 4.FEB.2021 11:58:35



FR1 n77 / 30MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

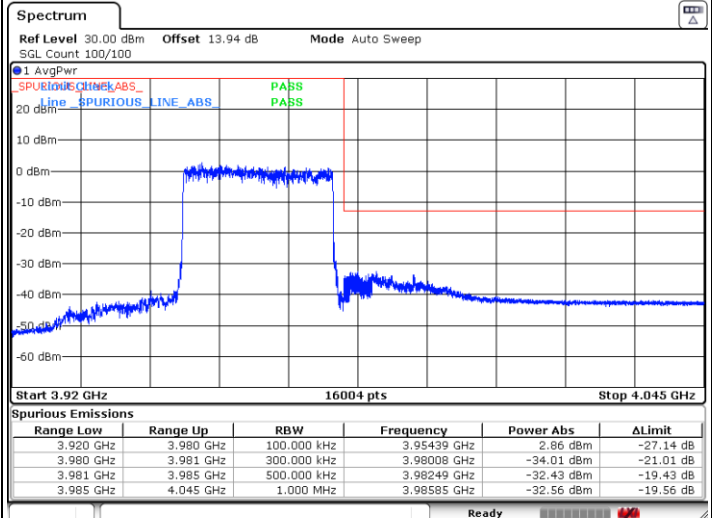
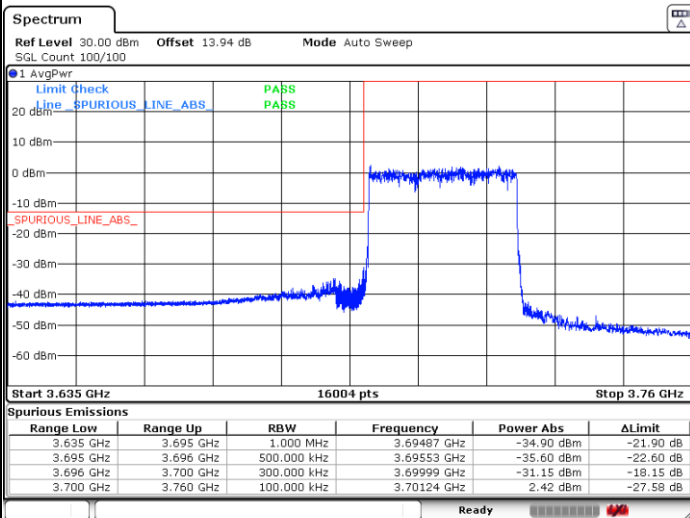


Date: 4.FEB.2021 11:59:57

Date: 4.FEB.2021 12:06:03

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 12:01:25

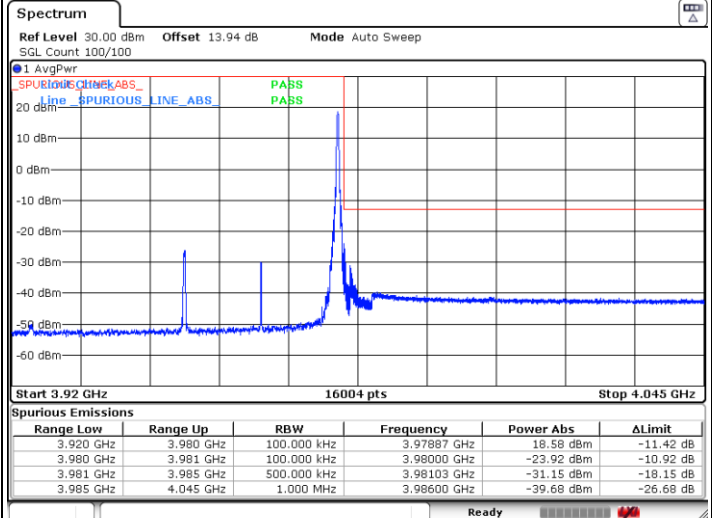
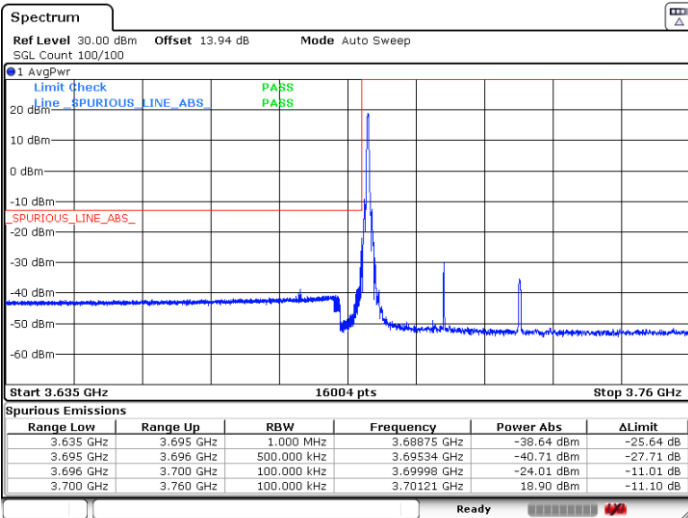
Date: 4.FEB.2021 12:04:45



FR1 n77 / 30MHz / DFT-S OFDM / QPSK

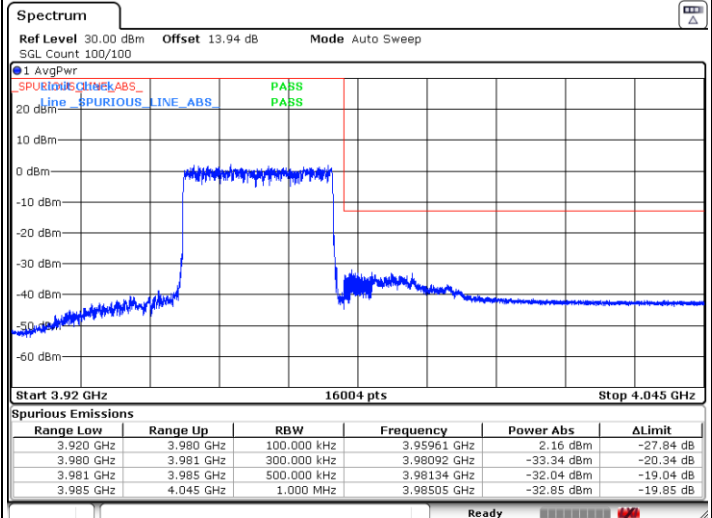
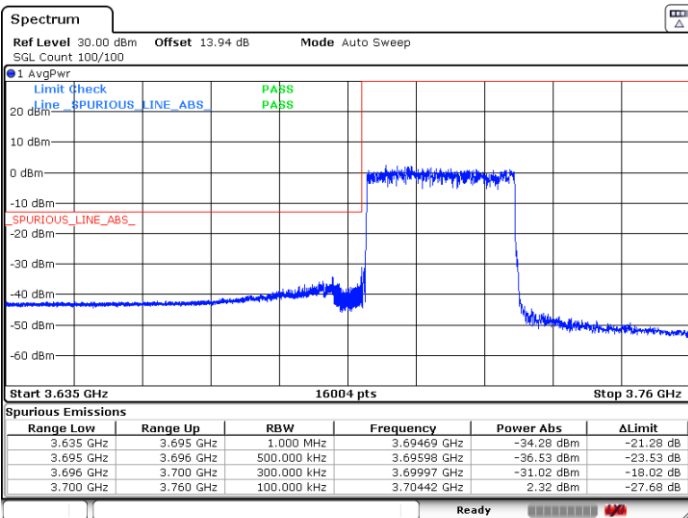
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

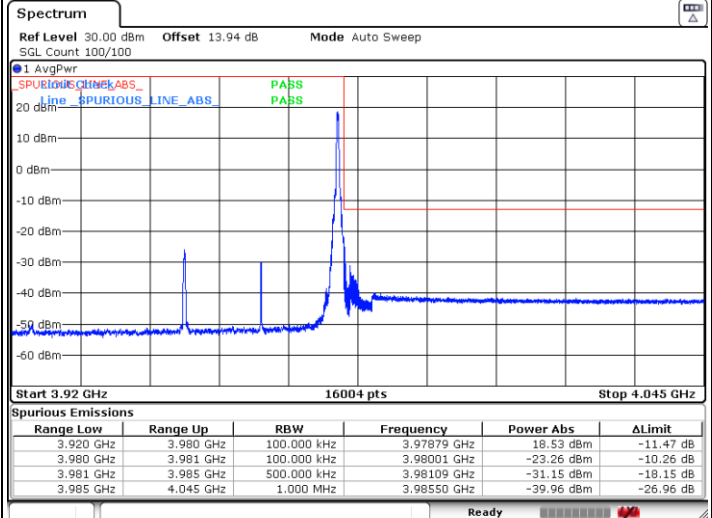
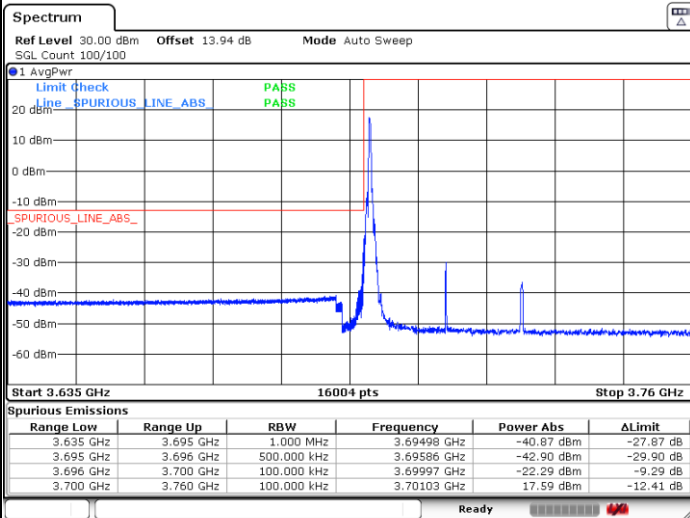




FR1 n77 / 30MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

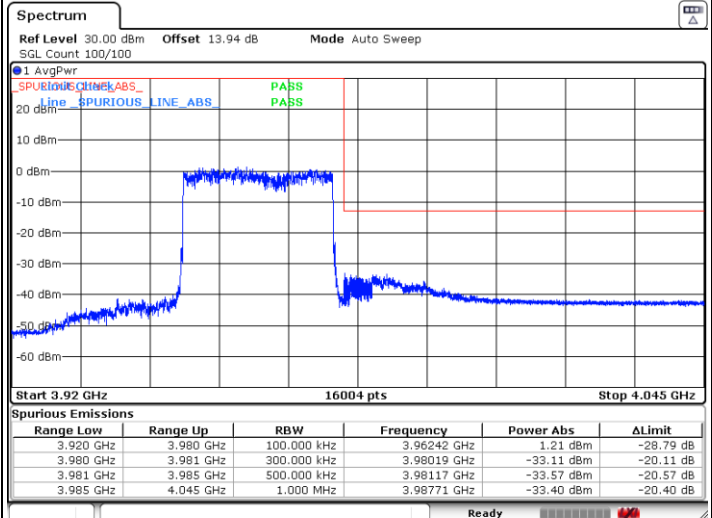
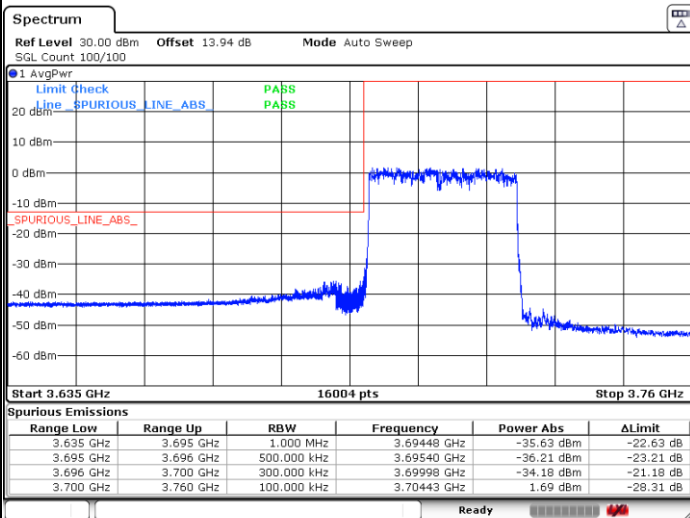


Date: 4.FEB.2021 12:00:23

Date: 4.FEB.2021 12:06:31

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 12:01:59

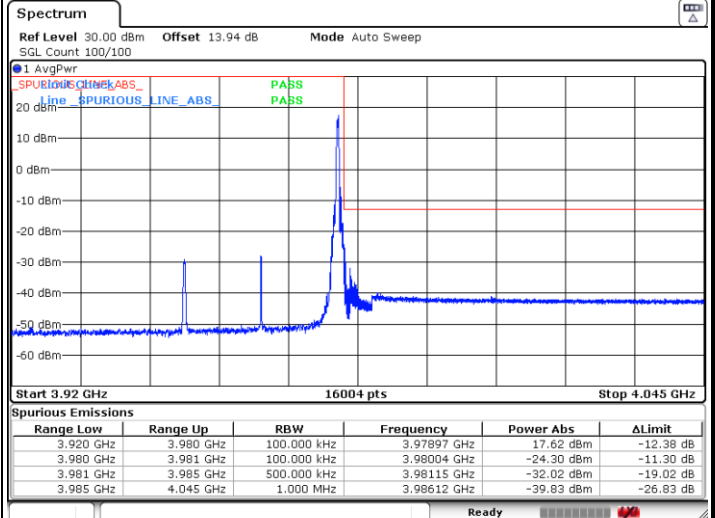
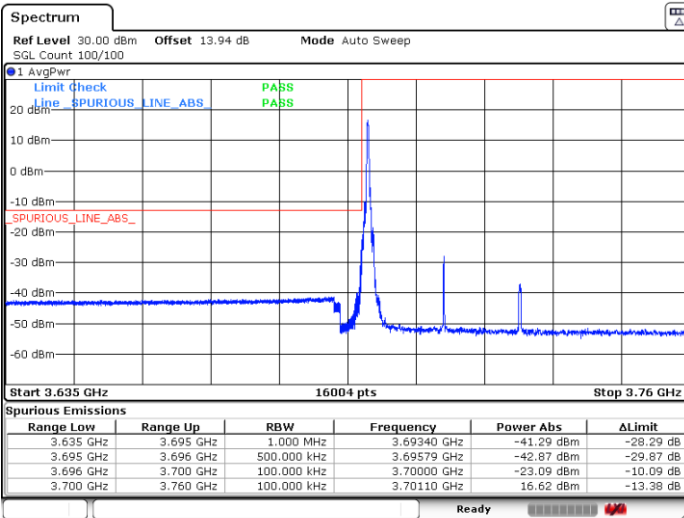
Date: 4.FEB.2021 12:05:12



FR1 n77 / 30MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

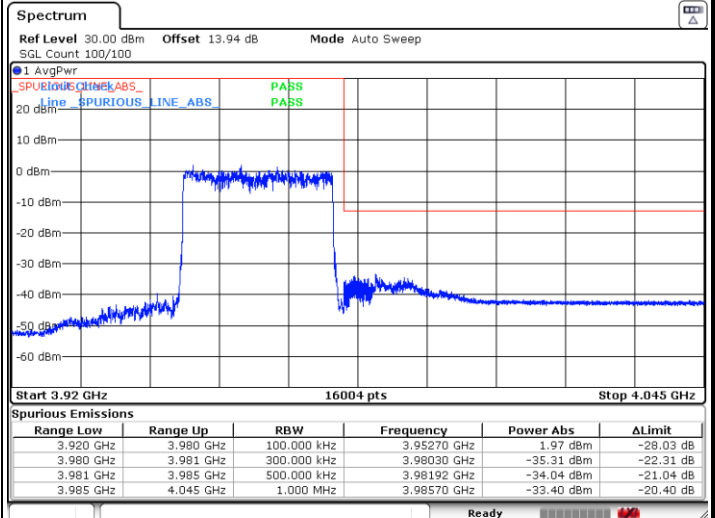
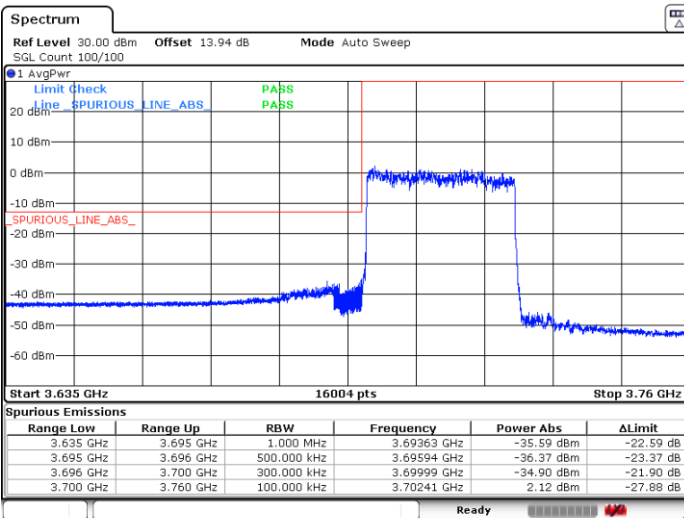


Date: 4.FEB.2021 12:00:35

Date: 4.FEB.2021 12:06:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 12:02:12

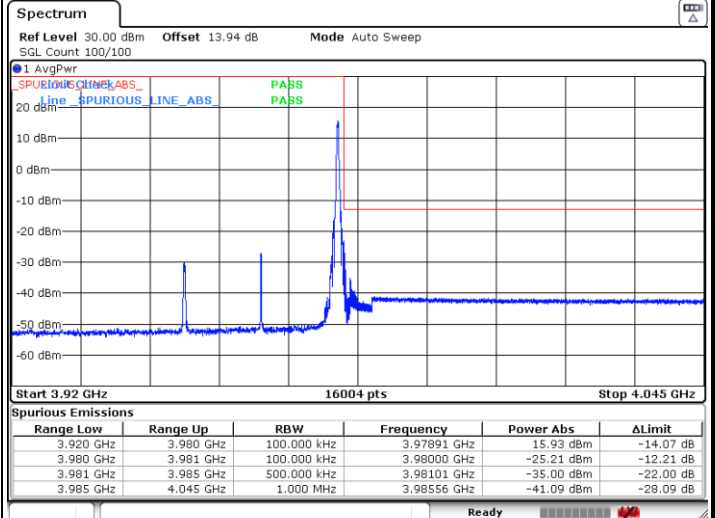
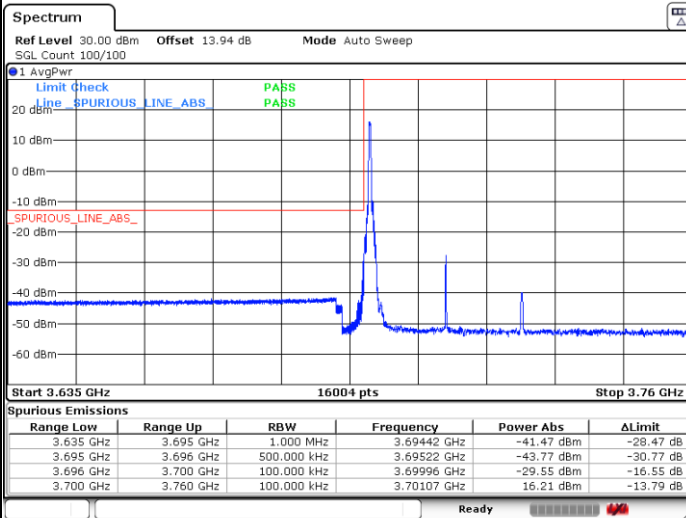
Date: 4.FEB.2021 12:05:26



FR1 n77 / 30MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

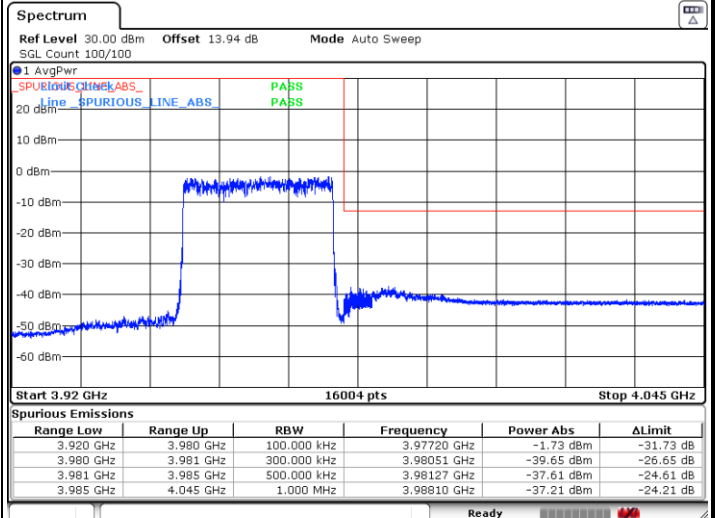
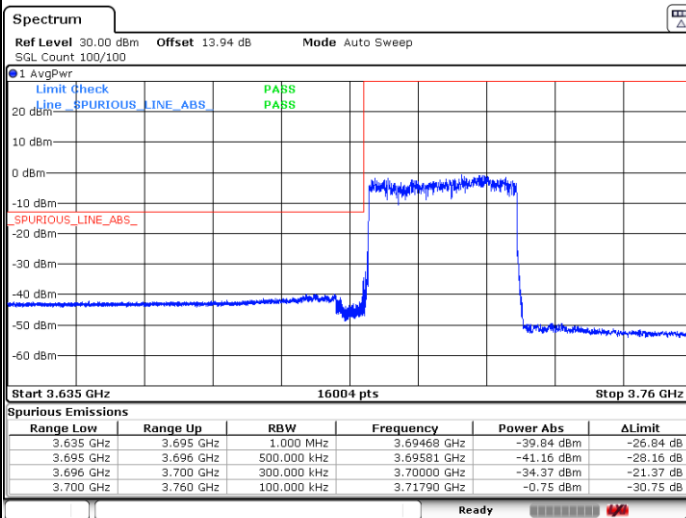


Date: 4.FEB.2021 12:00:48

Date: 4.FEB.2021 12:06:56

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 12:02:43

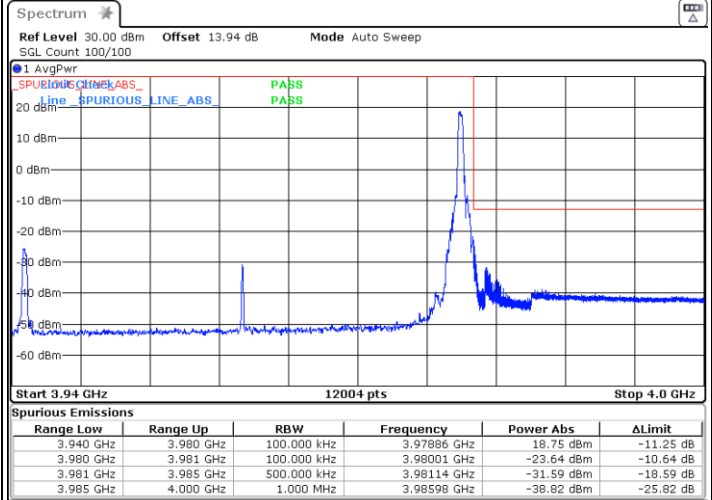
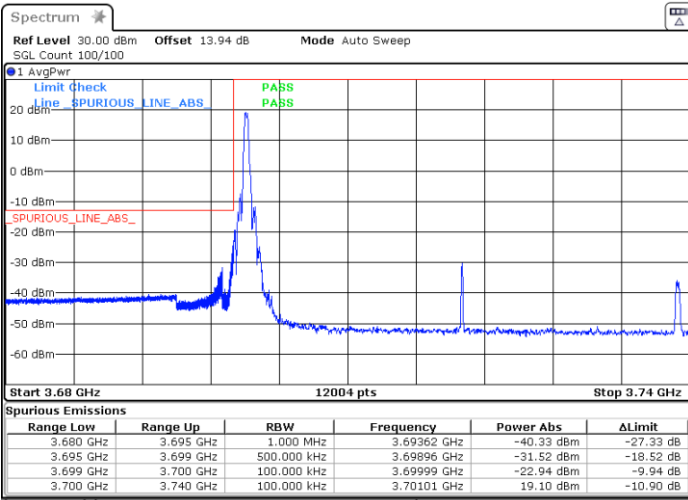
Date: 4.FEB.2021 12:05:38



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

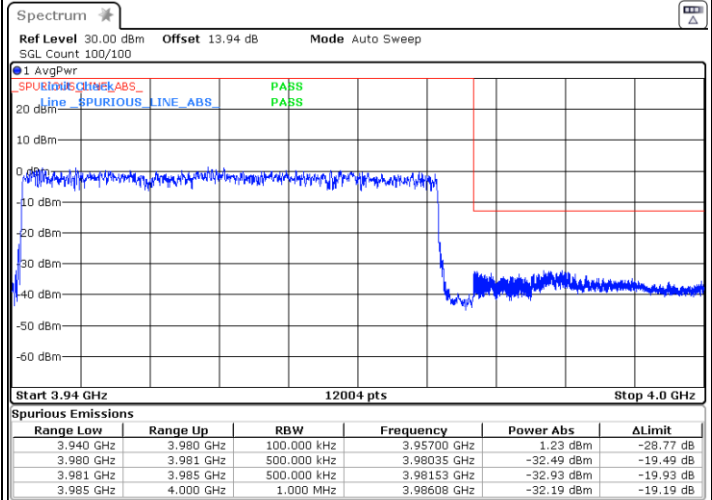
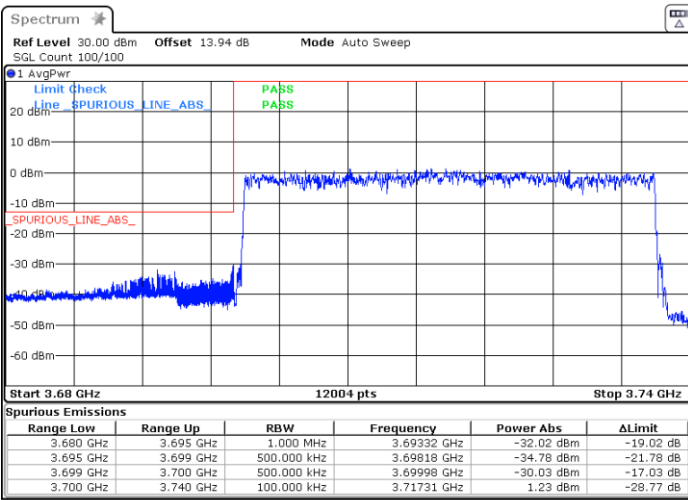


Date: 4.FEB.2021 11:27:19

Date: 4.FEB.2021 11:31:21

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 11:29:20

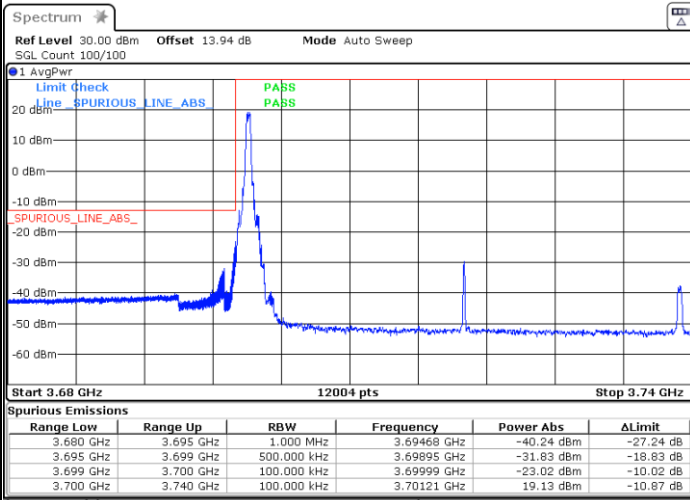
Date: 4.FEB.2021 11:33:14



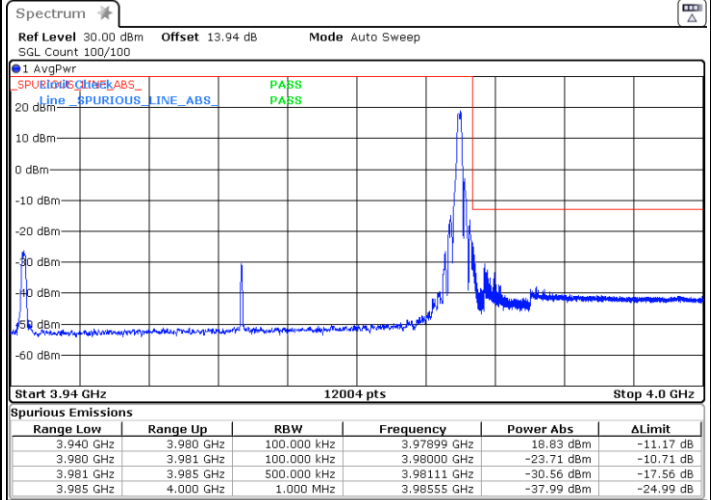
FR1 n77 / 40MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



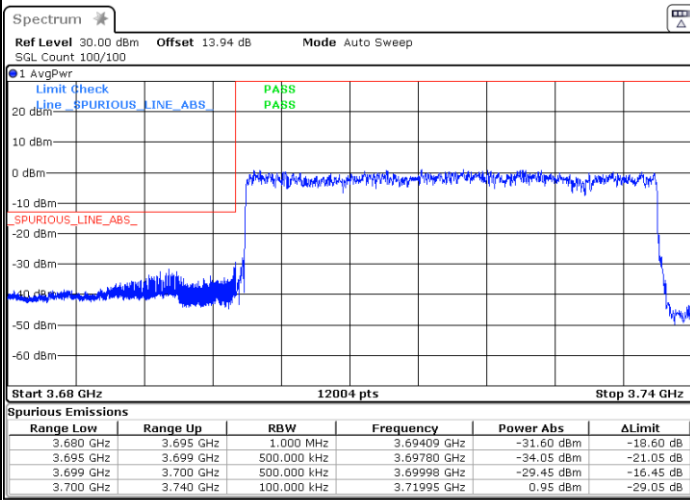
Date: 4.FEB.2021 11:27:42



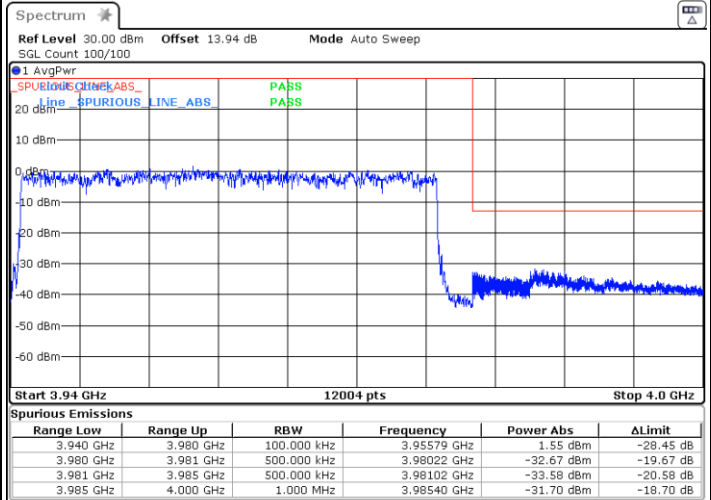
Date: 4.FEB.2021 11:31:42

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 11:29:50



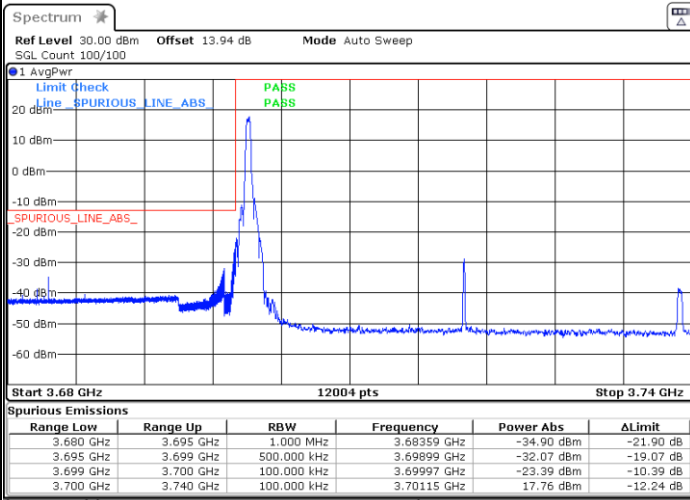
Date: 4.FEB.2021 11:33:29



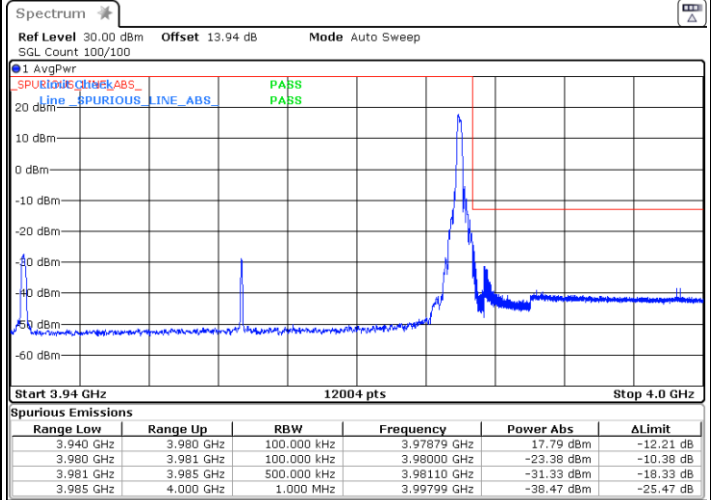
FR1 n77 / 40MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



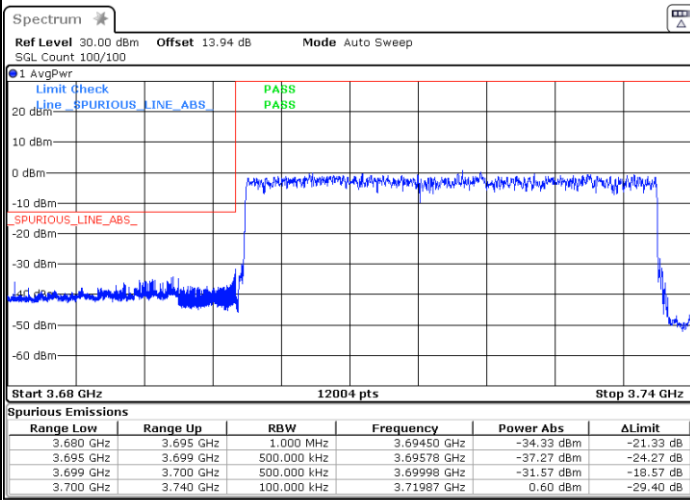
Date: 4.FEB.2021 11:28:11



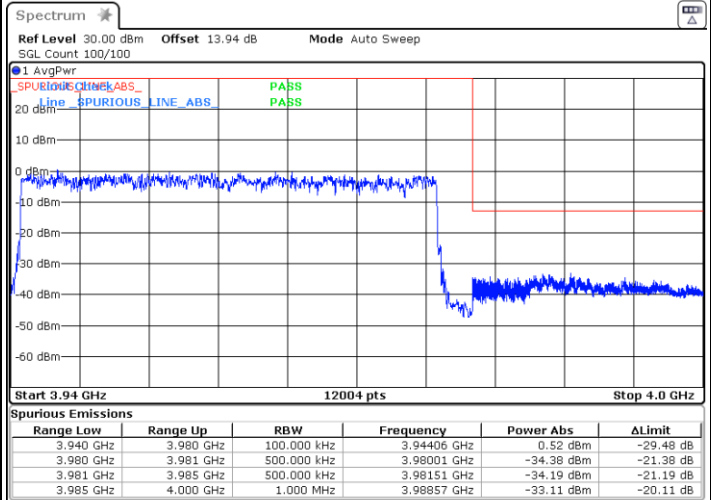
Date: 4.FEB.2021 11:32:05

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 11:30:08



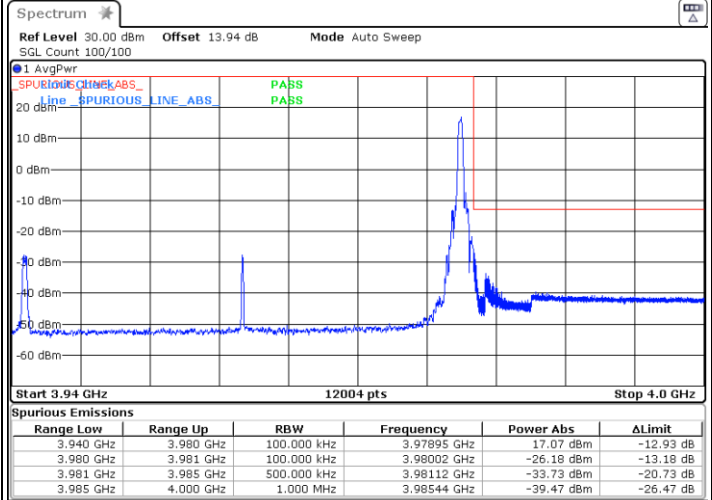
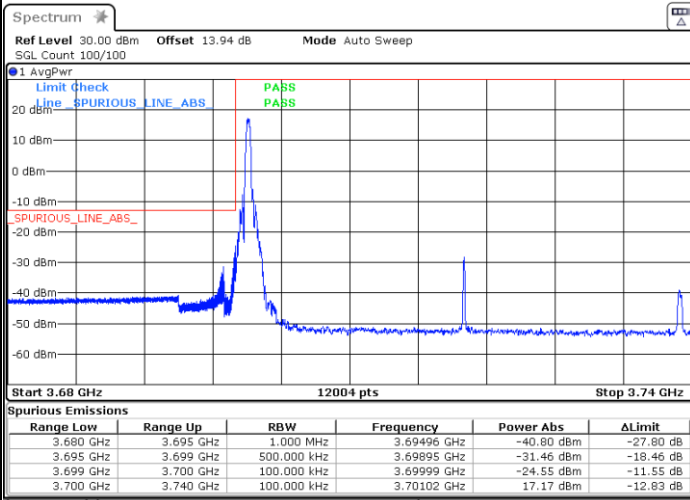
Date: 4.FEB.2021 11:33:44



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

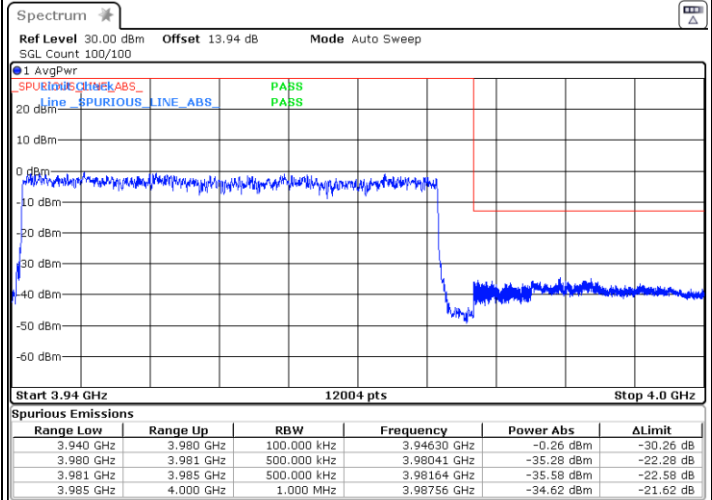
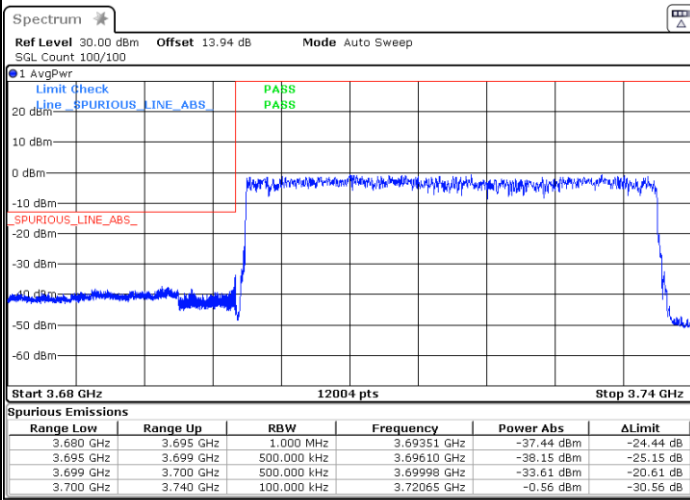


Date: 4.FEB.2021 11:28:34

Date: 4.FEB.2021 11:32:27

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 11:30:24

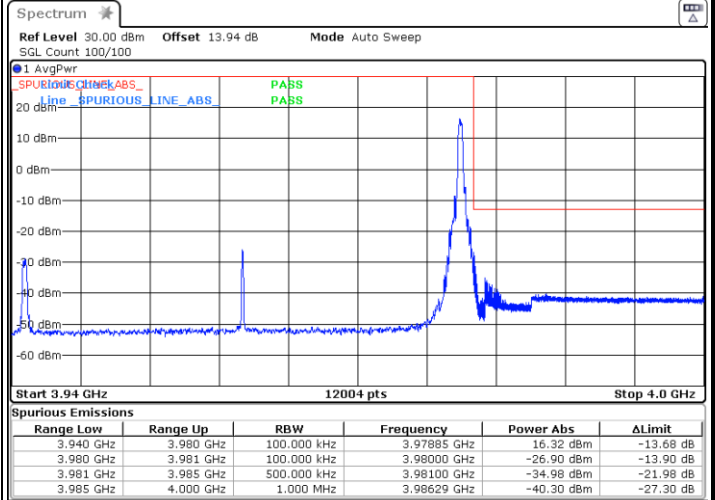
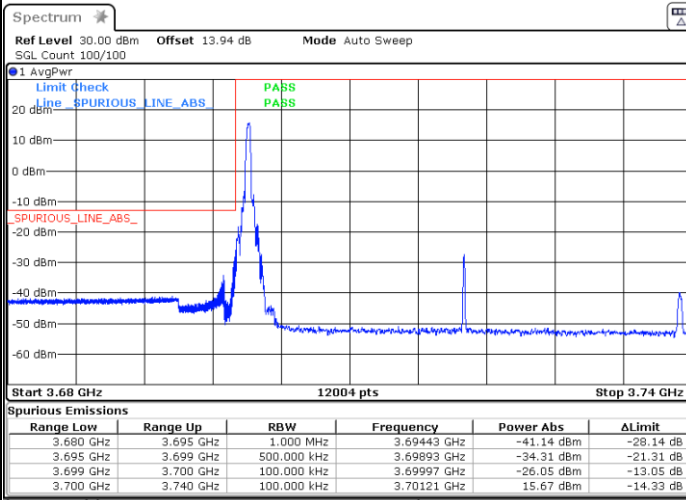
Date: 4.FEB.2021 11:34:03



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

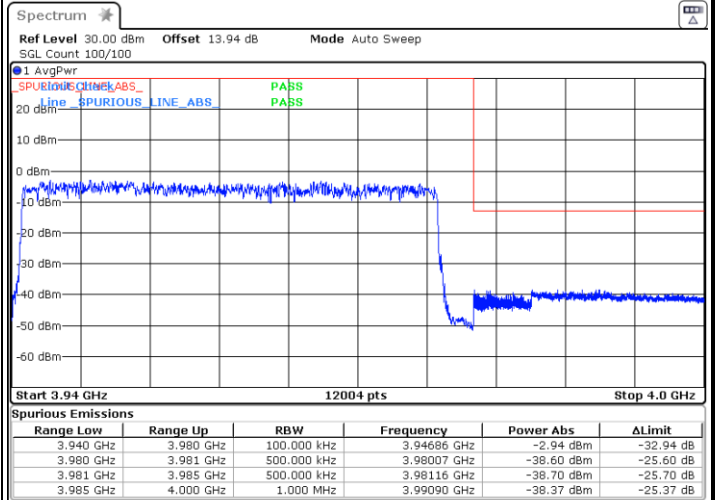
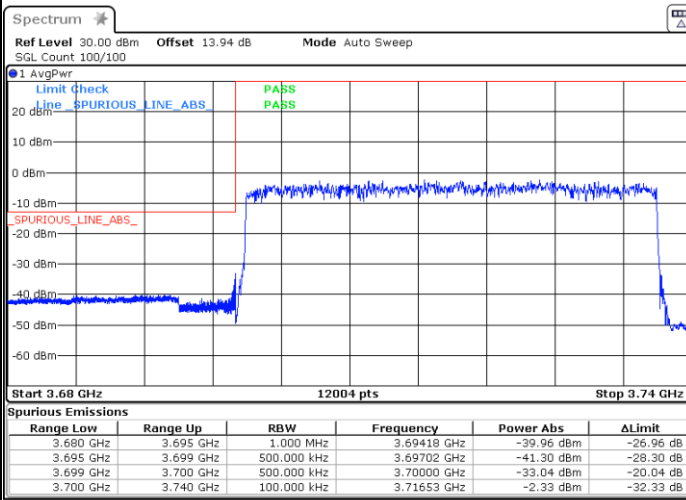


Date: 4.FEB.2021 11:28:56

Date: 4.FEB.2021 11:32:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 11:30:40

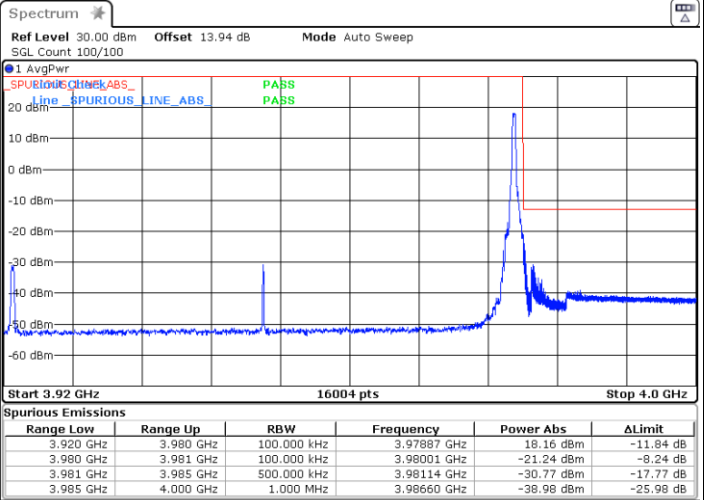
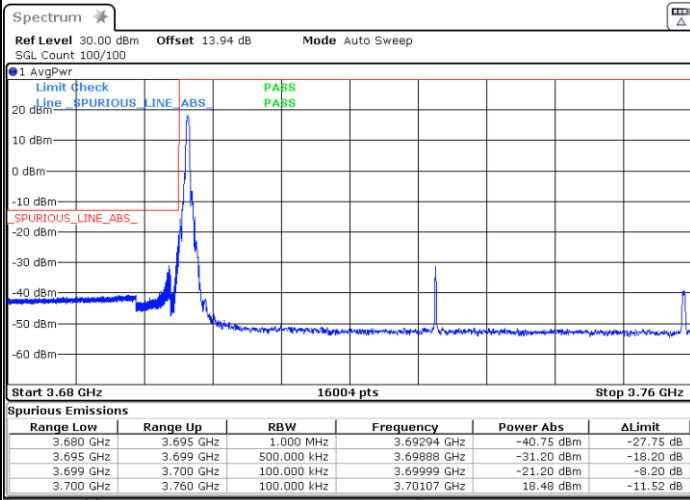
Date: 4.FEB.2021 11:34:20



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

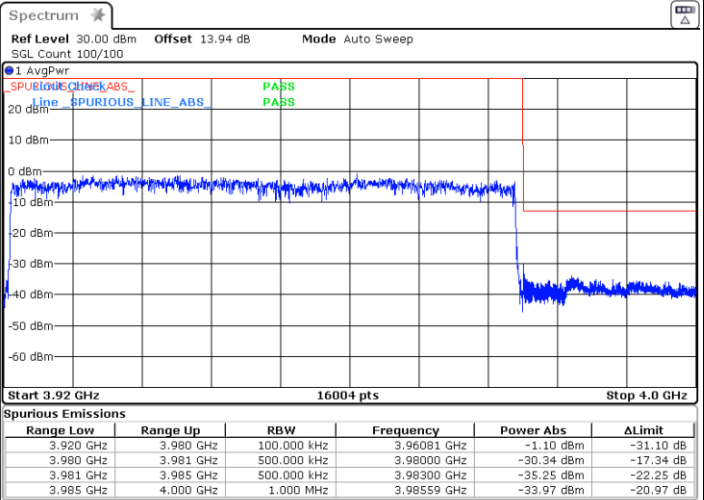
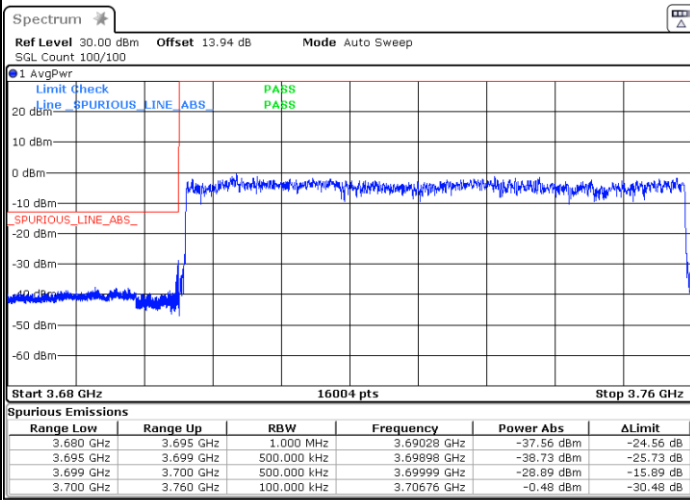


Date: 4.FEB.2021 11:17:20

Date: 4.FEB.2021 11:21:39

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 11:19:30

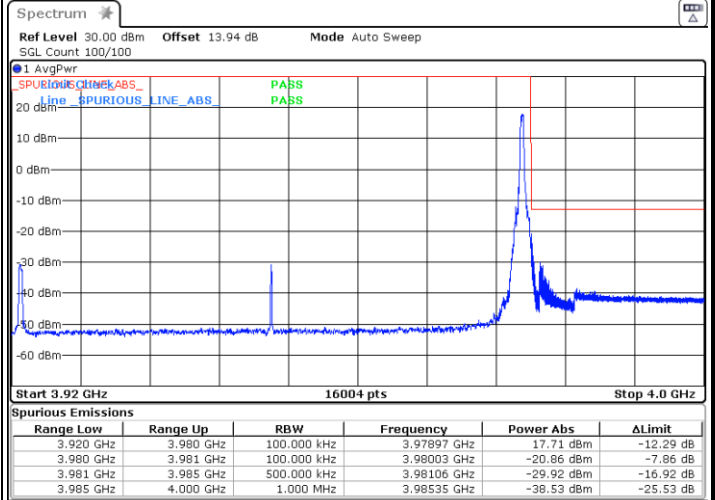
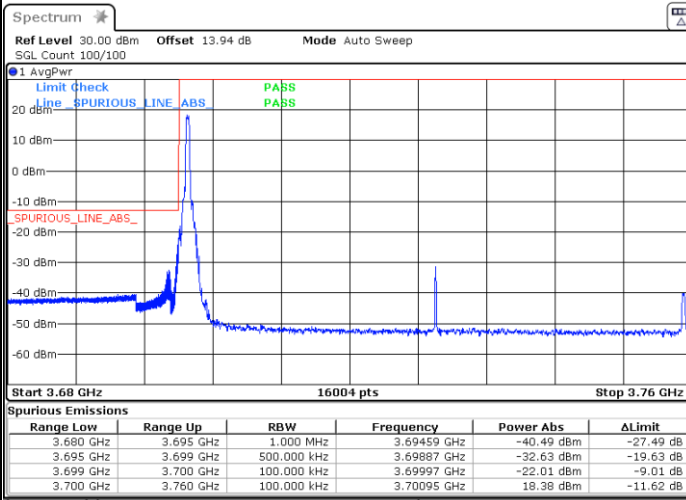
Date: 4.FEB.2021 11:24:55



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

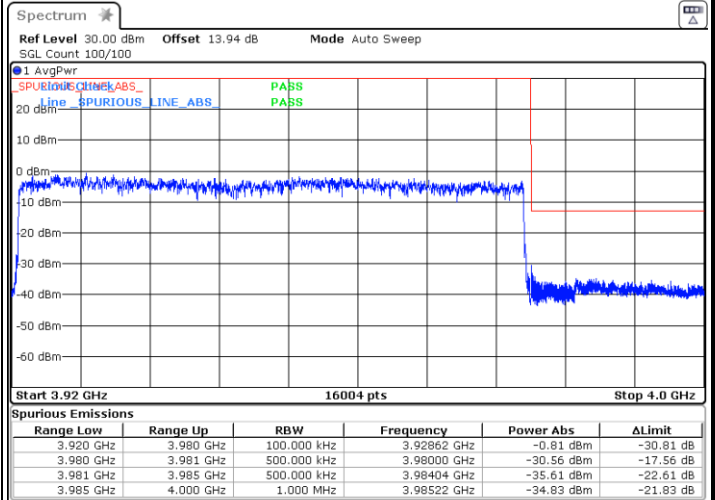
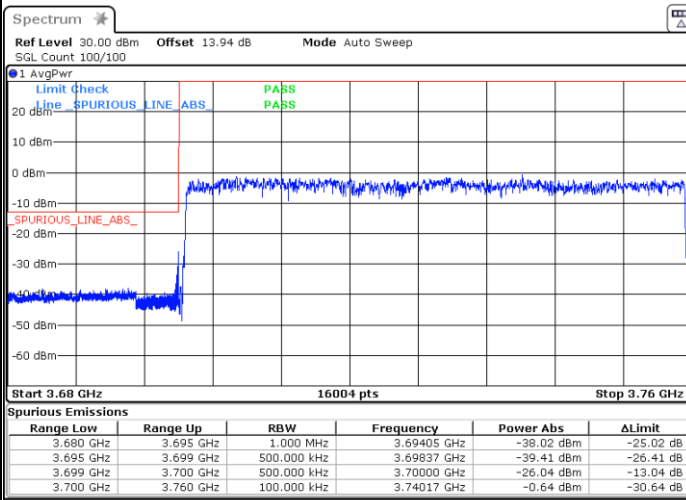


Date: 4.FEB.2021 11:17:44

Date: 4.FEB.2021 11:22:01

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 11:19:45

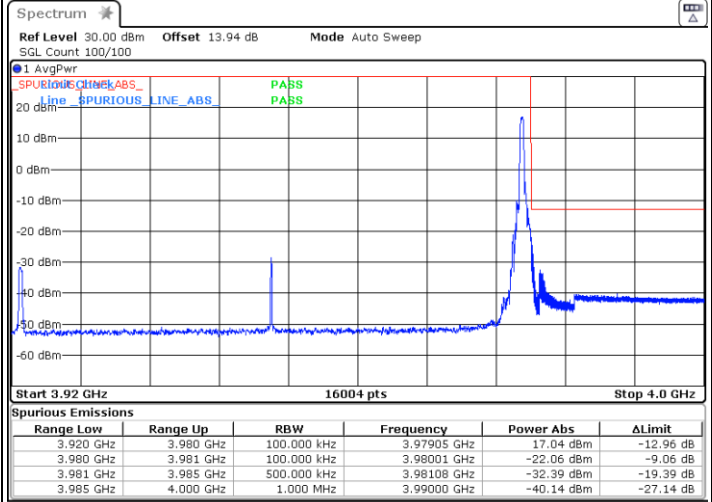
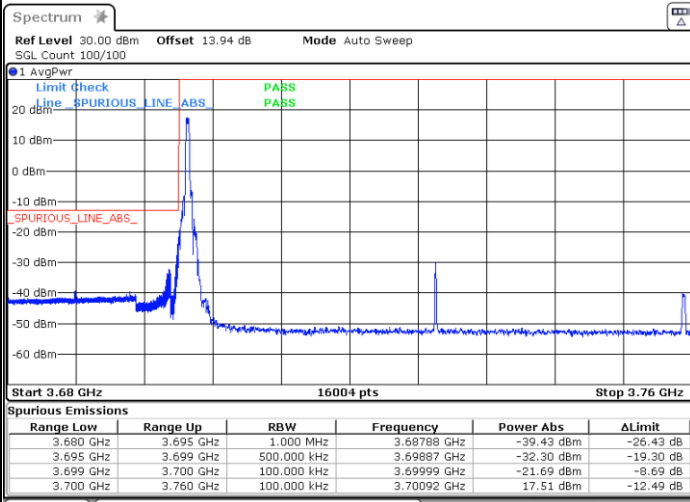
Date: 4.FEB.2021 11:25:12



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

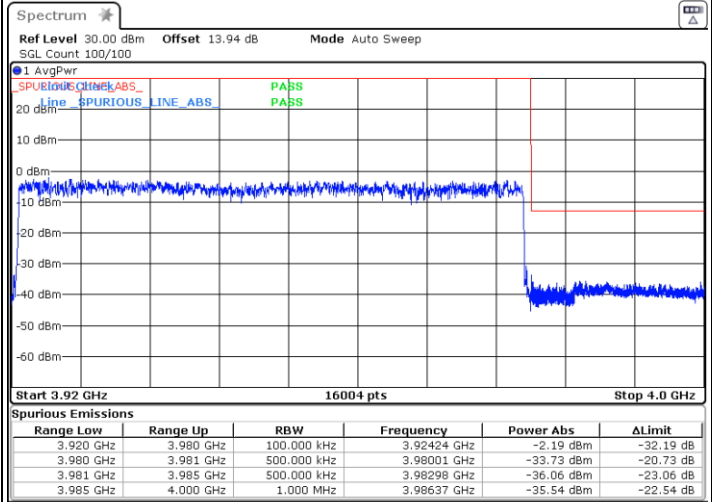
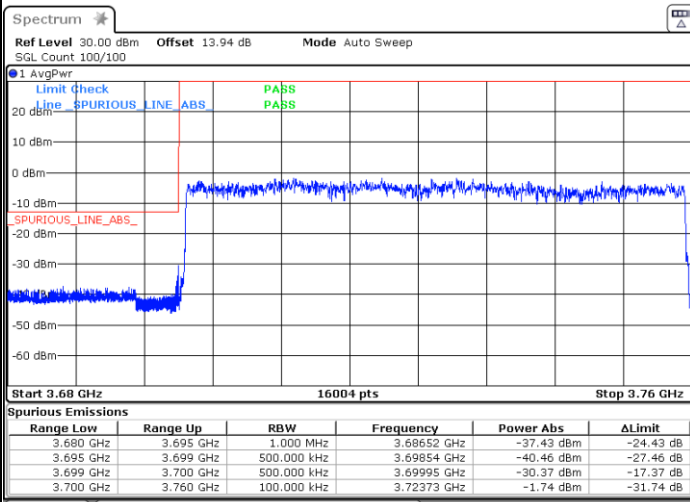


Date: 4.FEB.2021 11:18:07

Date: 4.FEB.2021 11:22:23

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 4.FEB.2021 11:20:02

Date: 4.FEB.2021 11:25:31