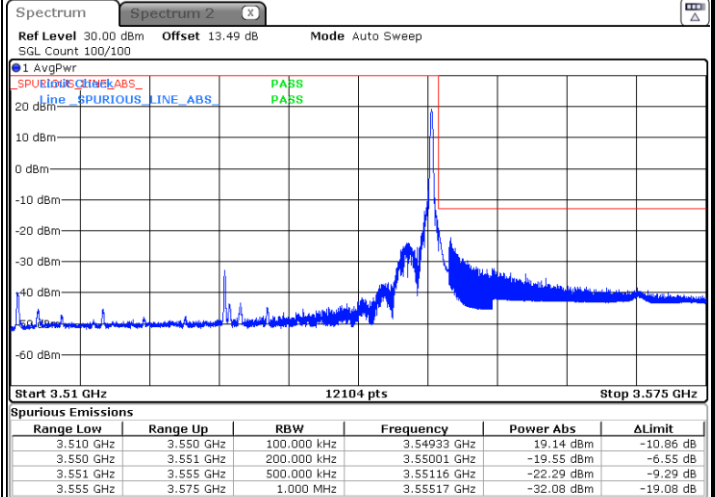
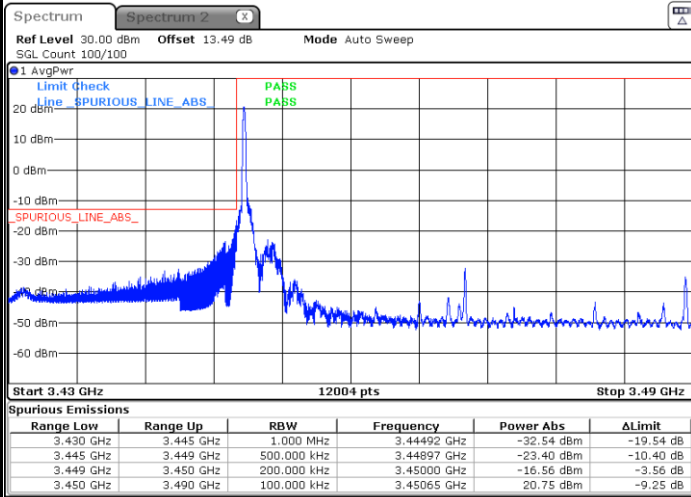




FR1 n77 / 40MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

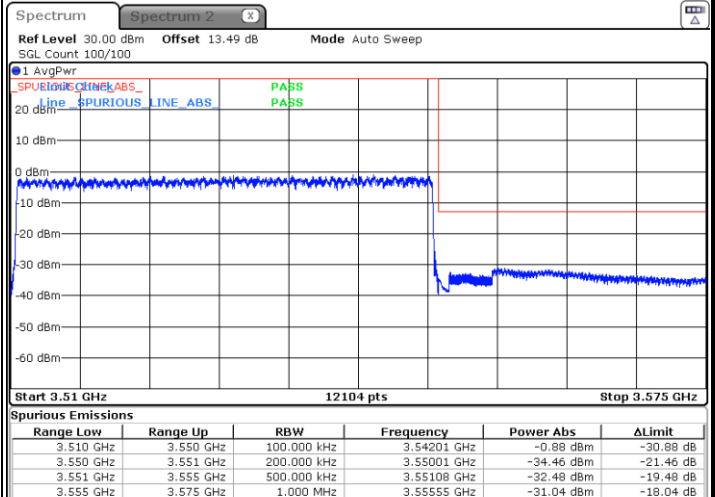
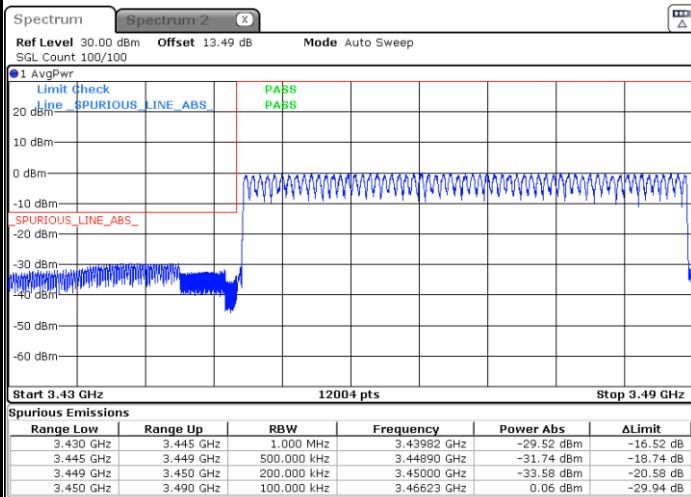


Date: 23.FEB.2022 03:29:38

Date: 23.FEB.2022 03:42:37

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.FEB.2022 03:20:30

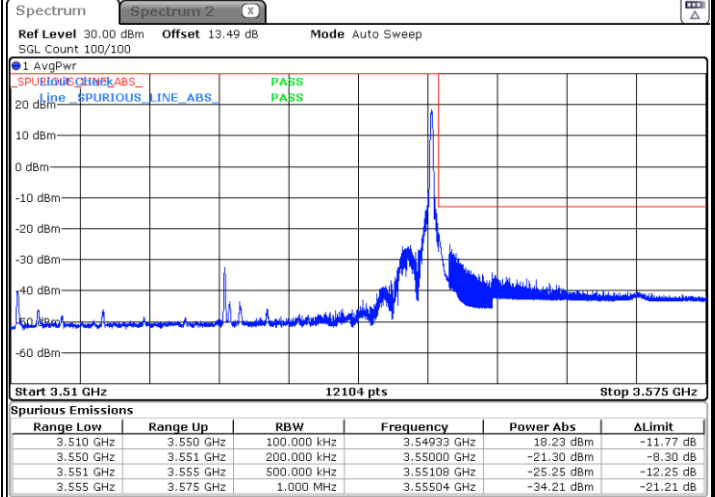
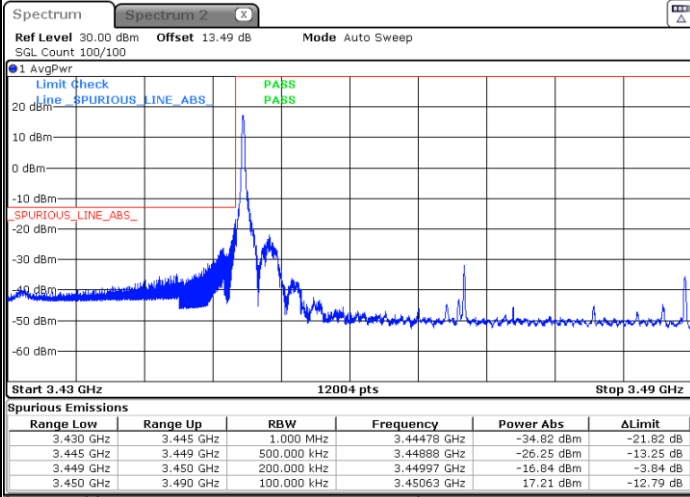
Date: 23.FEB.2022 03:39:21



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

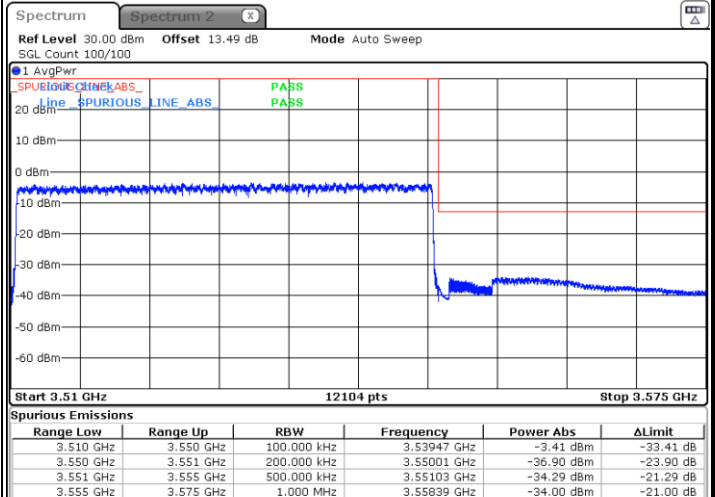
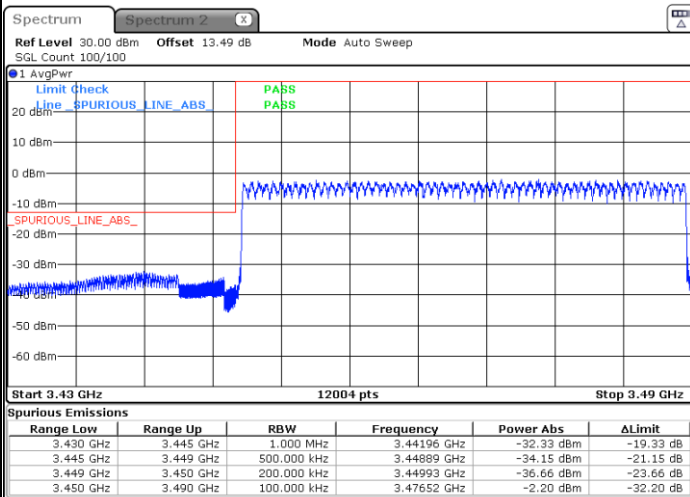


Date: 23.FEB.2022 03:30:47

Date: 23.FEB.2022 03:41:40

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.FEB.2022 03:18:52

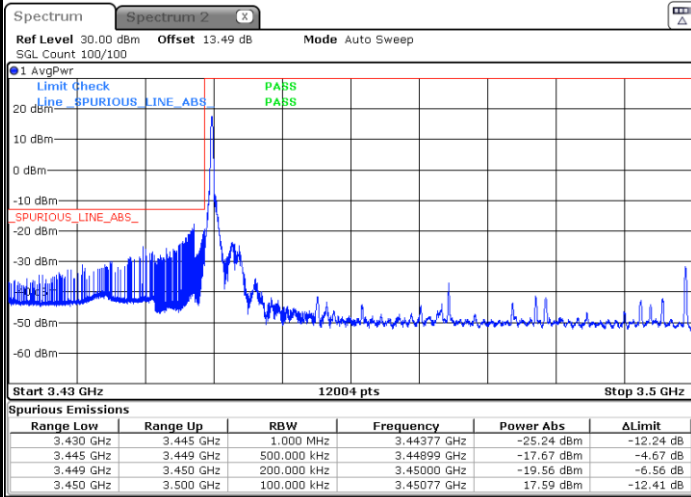
Date: 23.FEB.2022 03:40:27



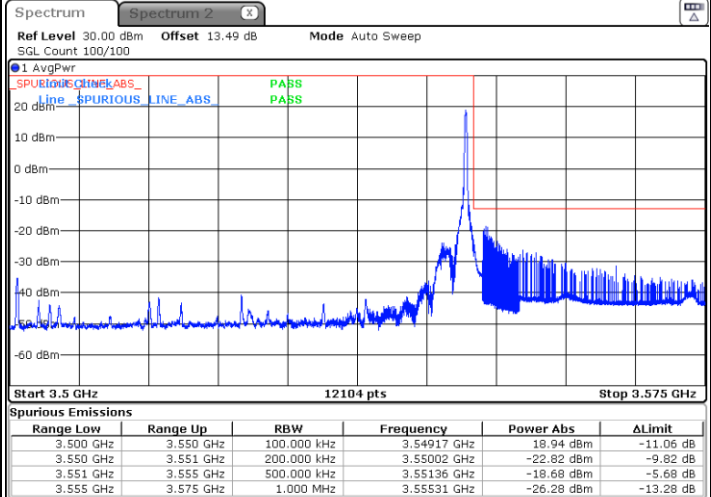
FR1 n77 / 50MHz / DFT-S OFDM / BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



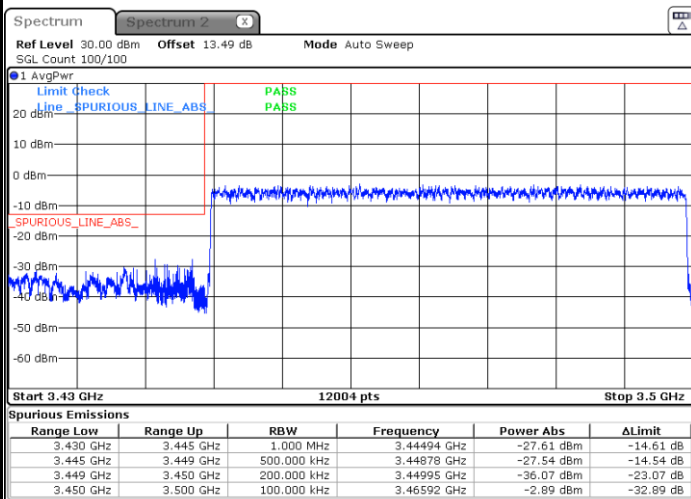
Date: 23.FEB.2022 03:59:26



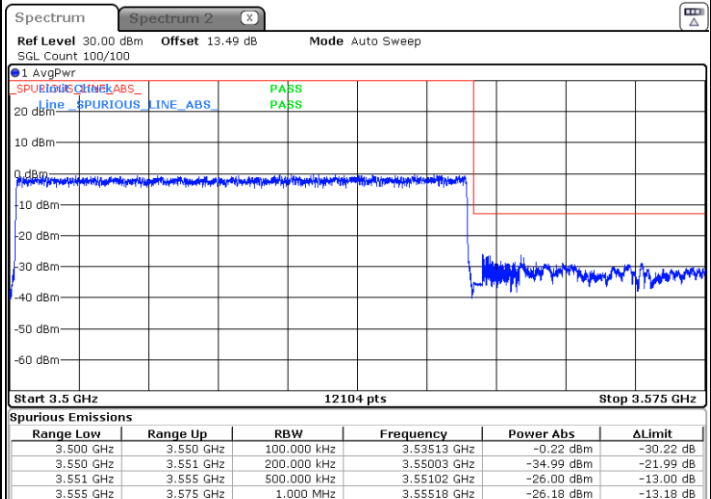
Date: 23.FEB.2022 04:13:01

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.FEB.2022 03:49:34



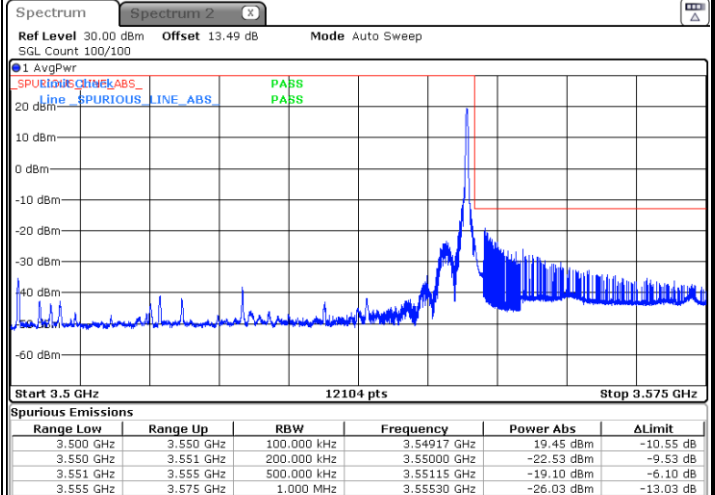
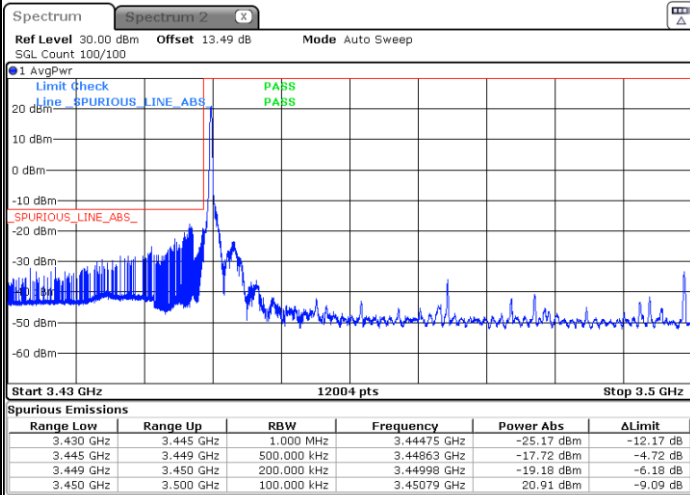
Date: 23.FEB.2022 04:05:17



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

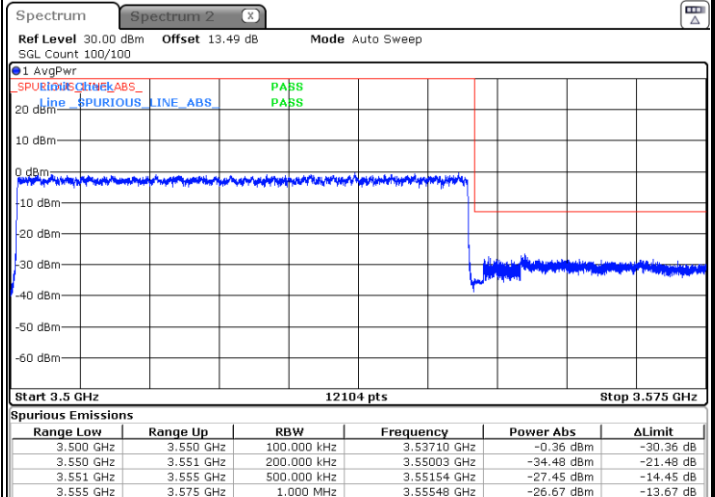
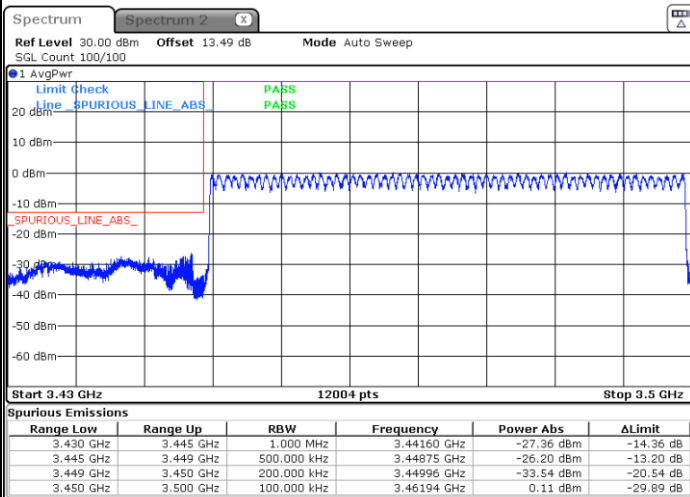


Date: 23.FEB.2022 03:58:16

Date: 23.FEB.2022 04:11:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.FEB.2022 03:50:29

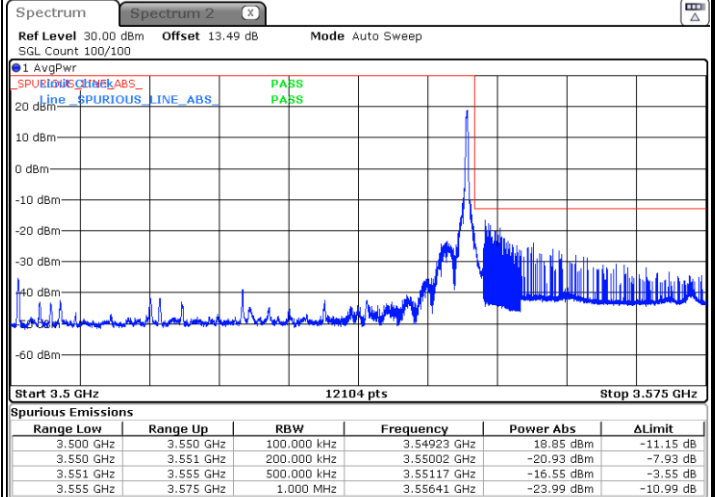
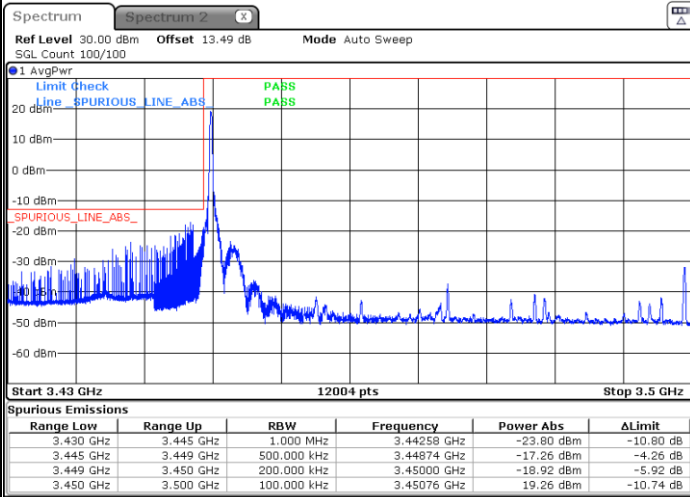
Date: 23.FEB.2022 04:06:07



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

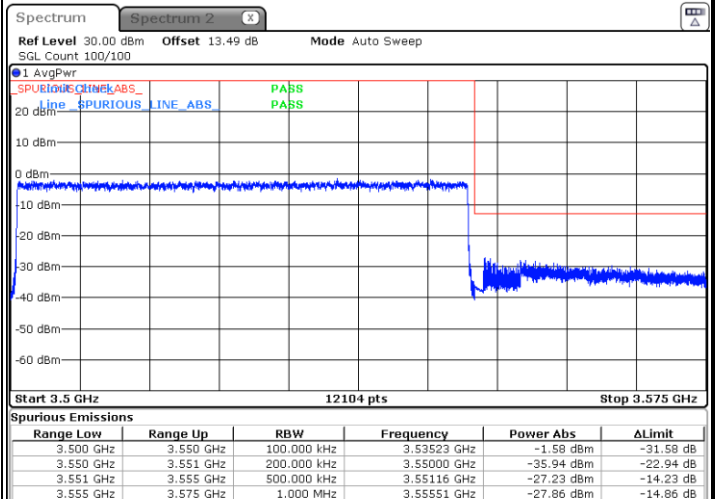
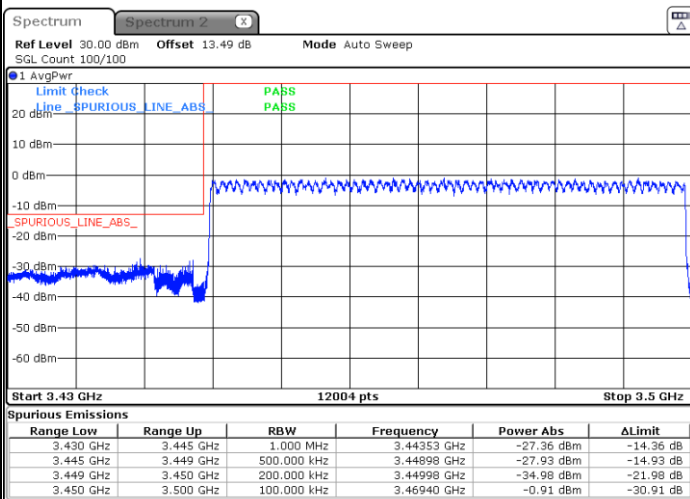


Date: 23.FEB.2022 03:57:28

Date: 23.FEB.2022 04:11:14

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.FEB.2022 03:52:24

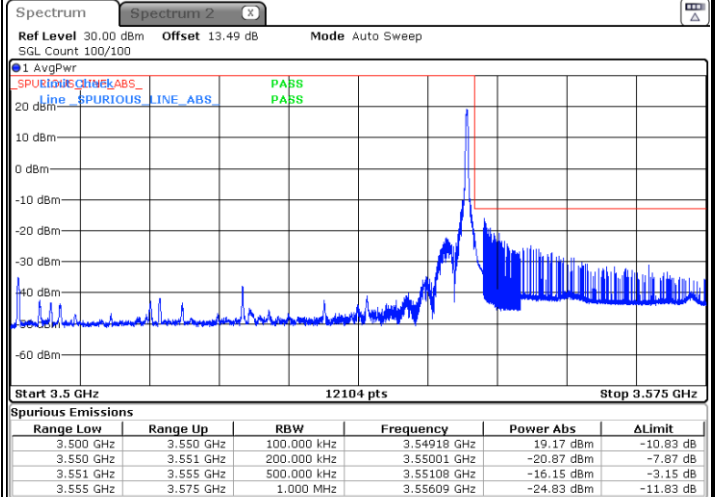
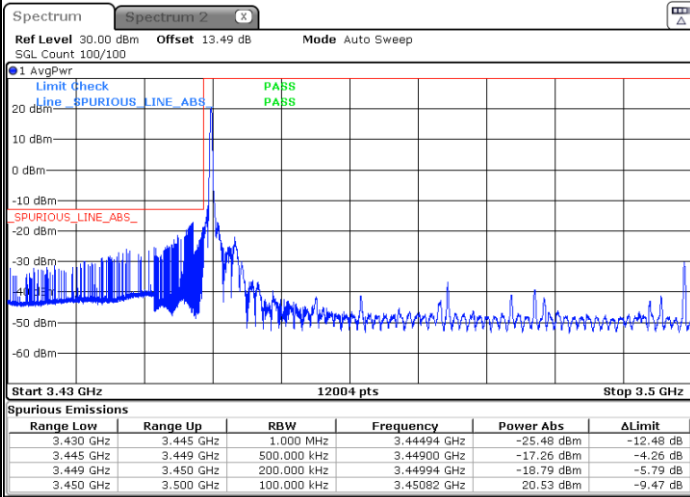
Date: 23.FEB.2022 04:06:47



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

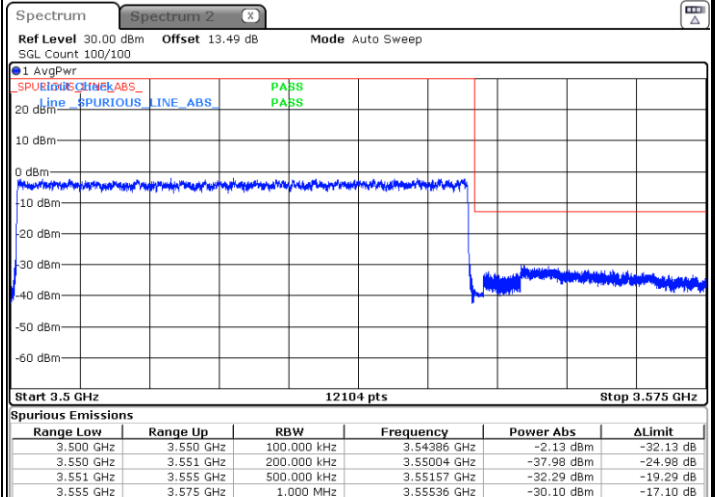
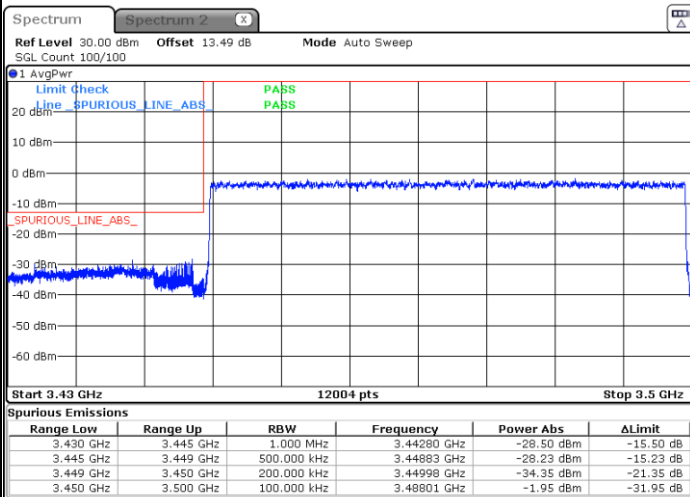


Date: 23.FEB.2022 03:56:21

Date: 23.FEB.2022 04:10:27

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.FEB.2022 03:53:24

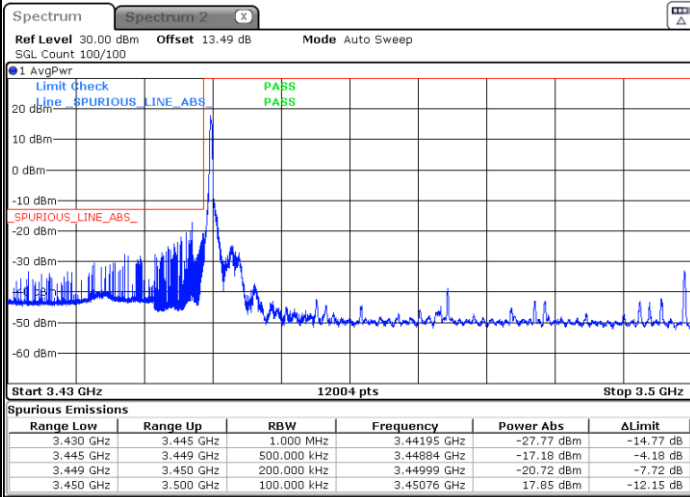
Date: 23.FEB.2022 04:07:39



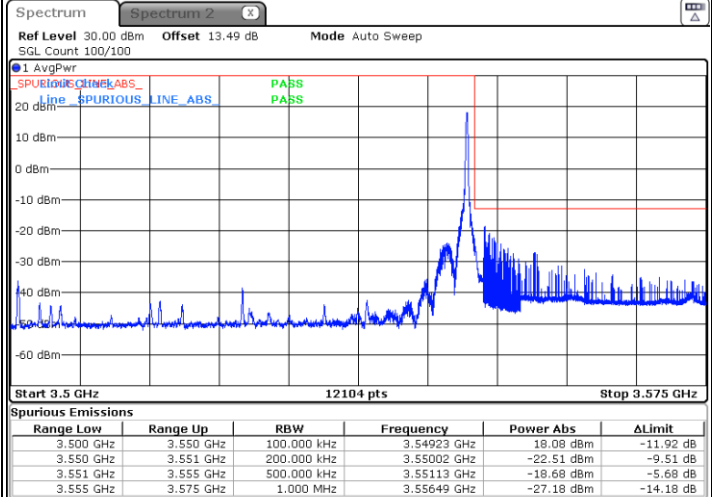
FR1 n77 /50MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



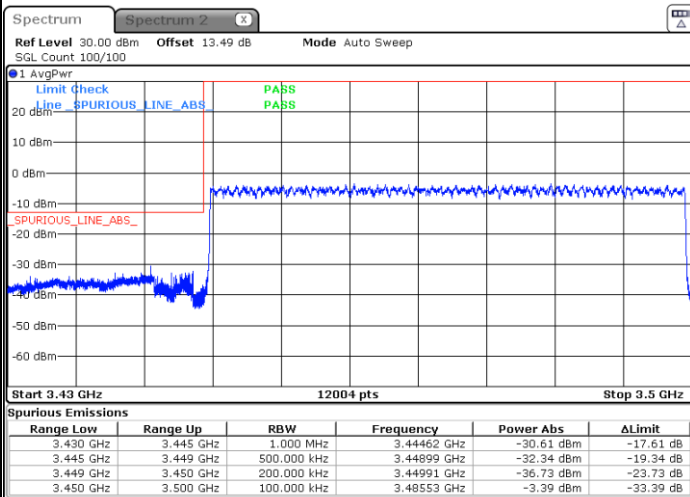
Date: 23.FEB.2022 03:55:33



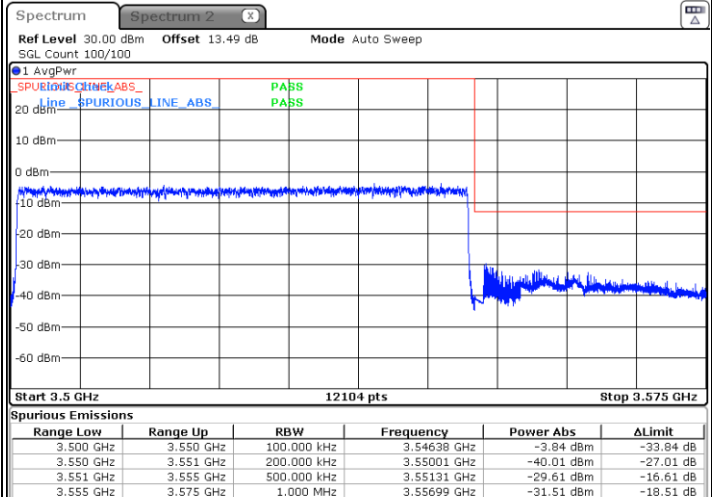
Date: 23.FEB.2022 04:09:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



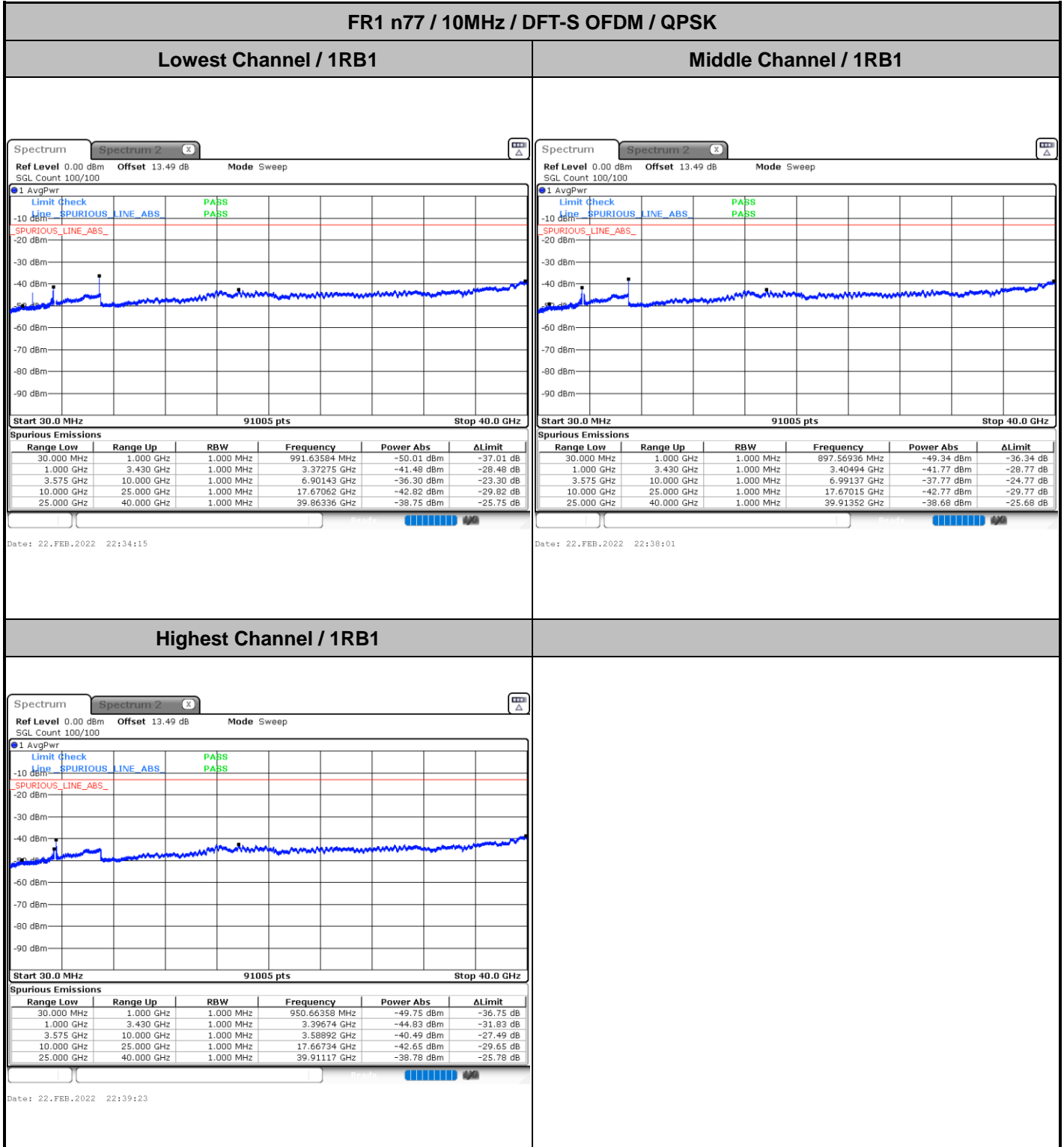
Date: 23.FEB.2022 03:54:35



Date: 23.FEB.2022 04:08:30



Conducted Spurious Emission

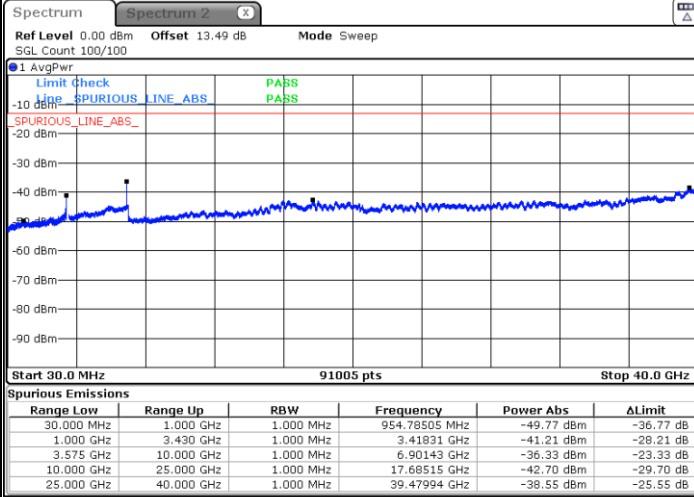




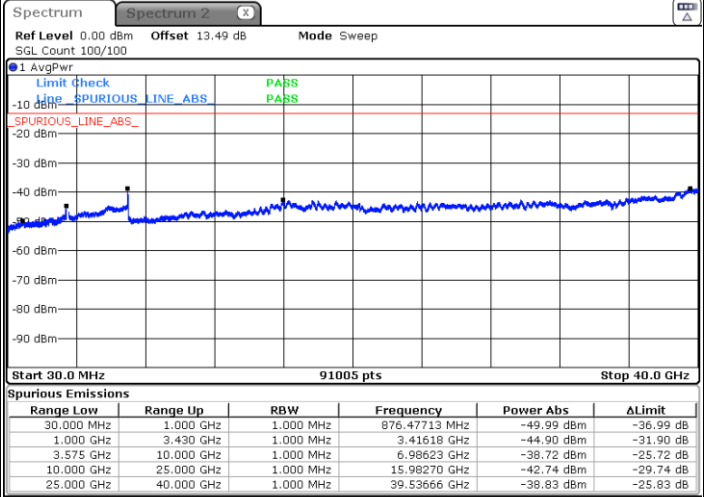
FR1 n77 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

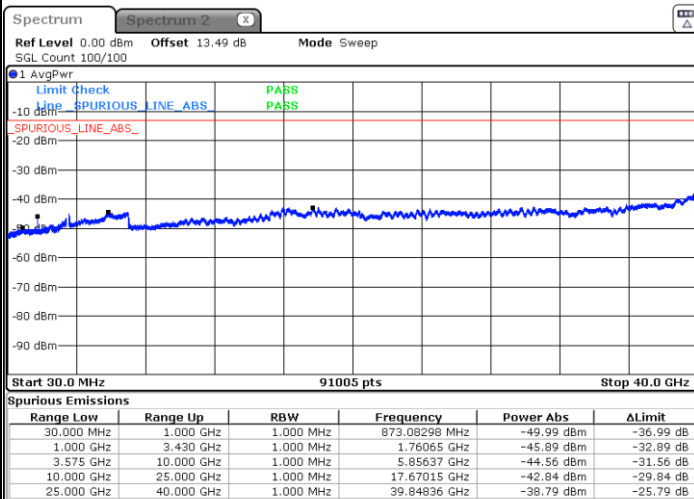


Date: 23.FEB.2022 01:49:13



Date: 23.FEB.2022 01:50:32

Highest Channel / 1RB1



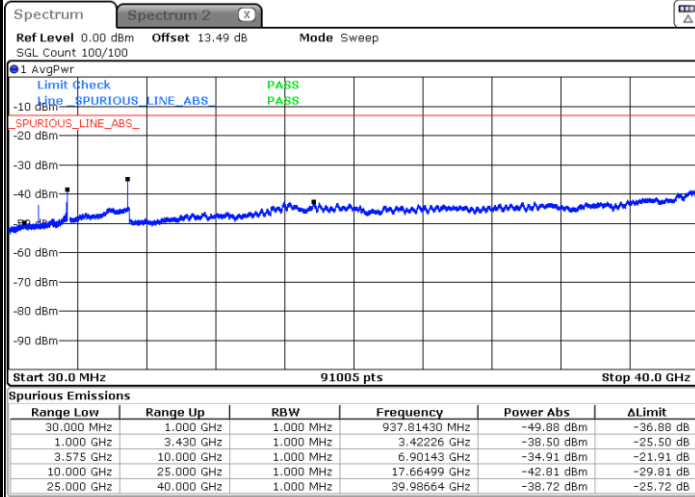
Date: 23.FEB.2022 01:51:55



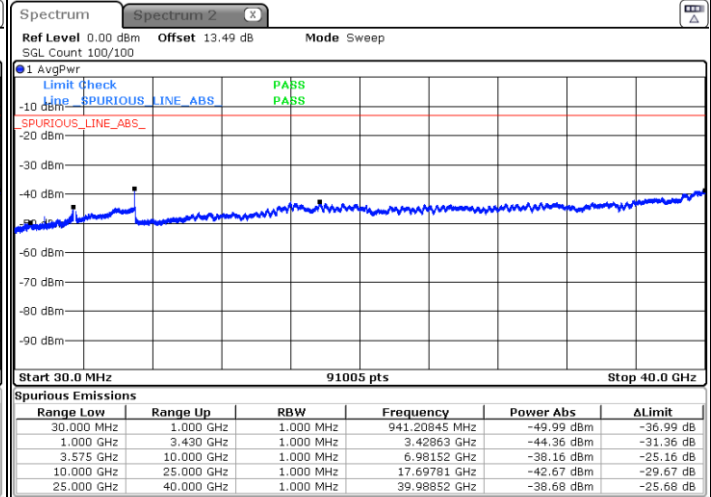
FR1 n77 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

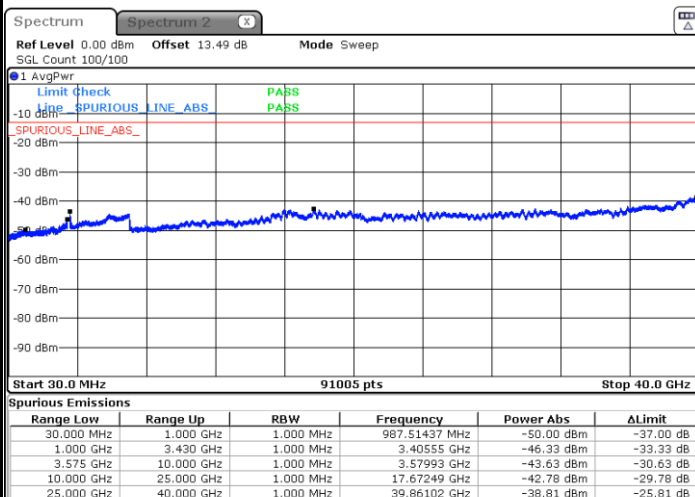


Date: 23.FEB.2022 02:58:53



Date: 23.FEB.2022 03:00:10

Highest Channel / 1RB1



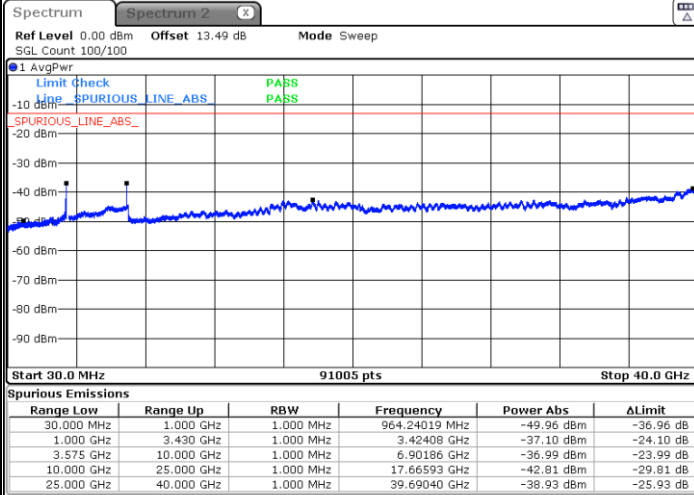
Date: 23.FEB.2022 03:01:30



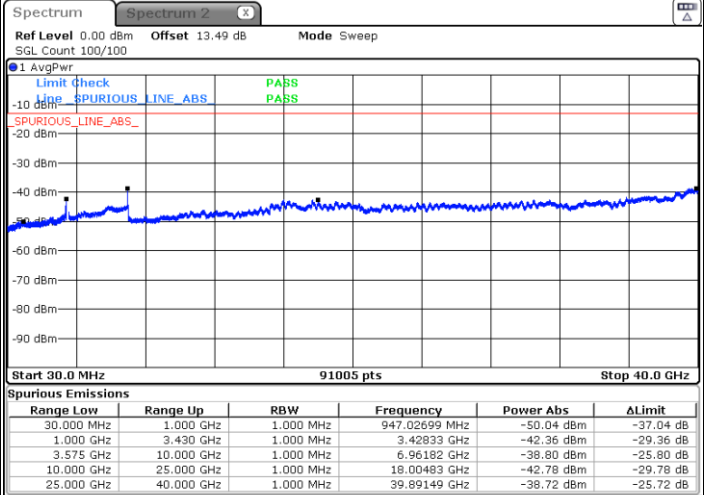
FR1 n77 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

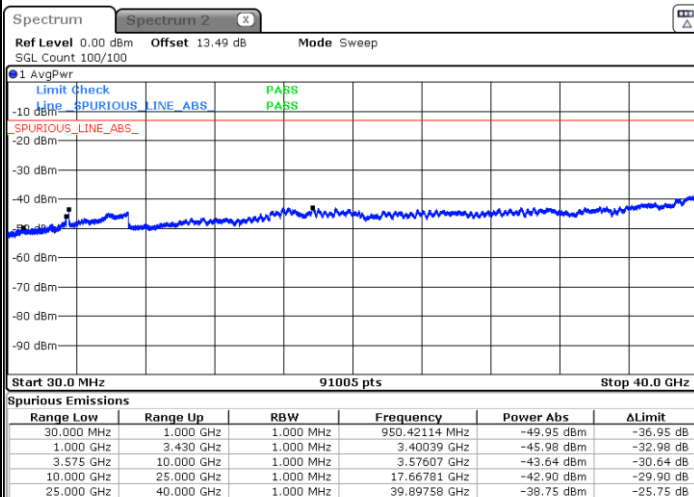


Date: 23.FEB.2022 03:32:05



Date: 23.FEB.2022 03:33:22

Highest Channel / 1RB1



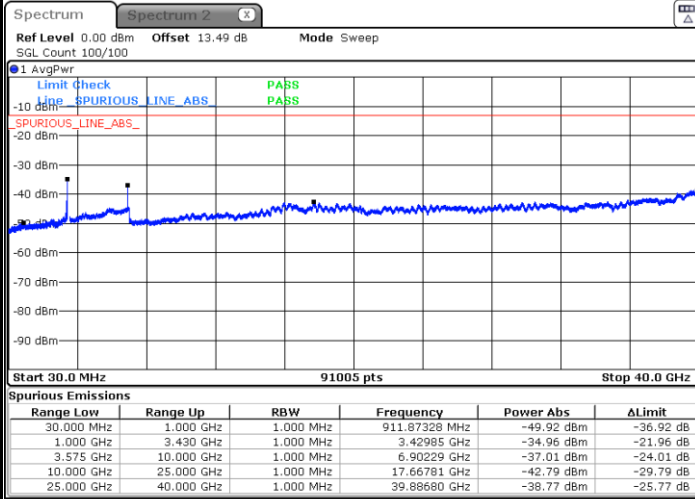
Date: 23.FEB.2022 03:34:55



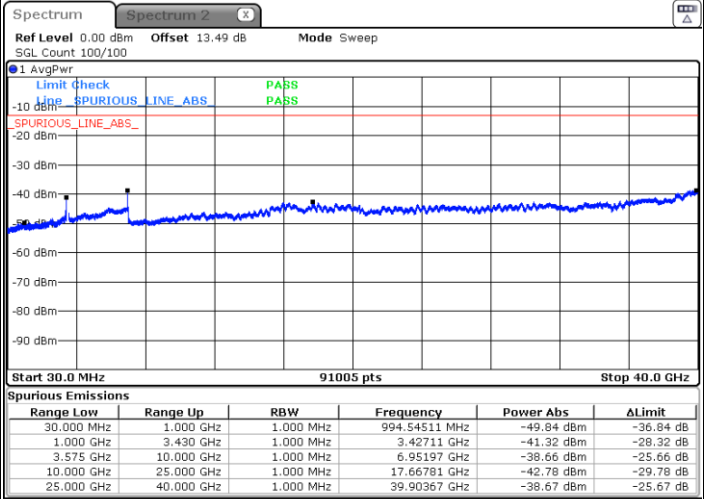
FR1 n77 / 50MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

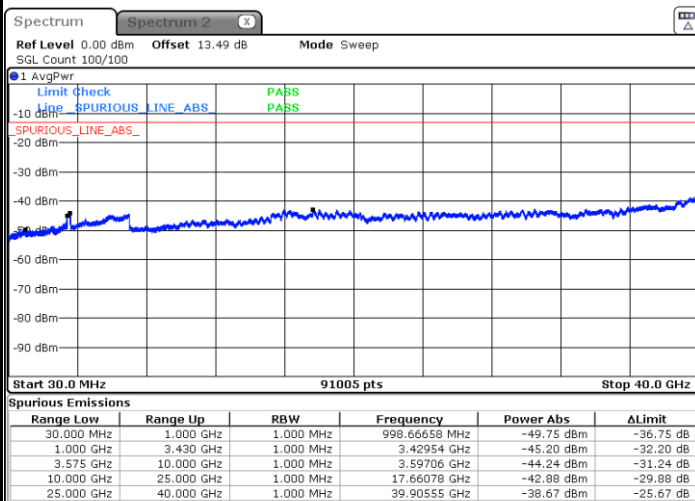


Date: 23.FEB.2022 04:01:09



Date: 23.FEB.2022 04:02:41

Highest Channel / 1RB1



Date: 23.FEB.2022 04:04:19



Frequency Stability

Test Conditions		FR1 n77 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 50MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0015	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0031	
-10	Normal Voltage	0.0075	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0011	
20	Battery End Point	0.0038	

Note:

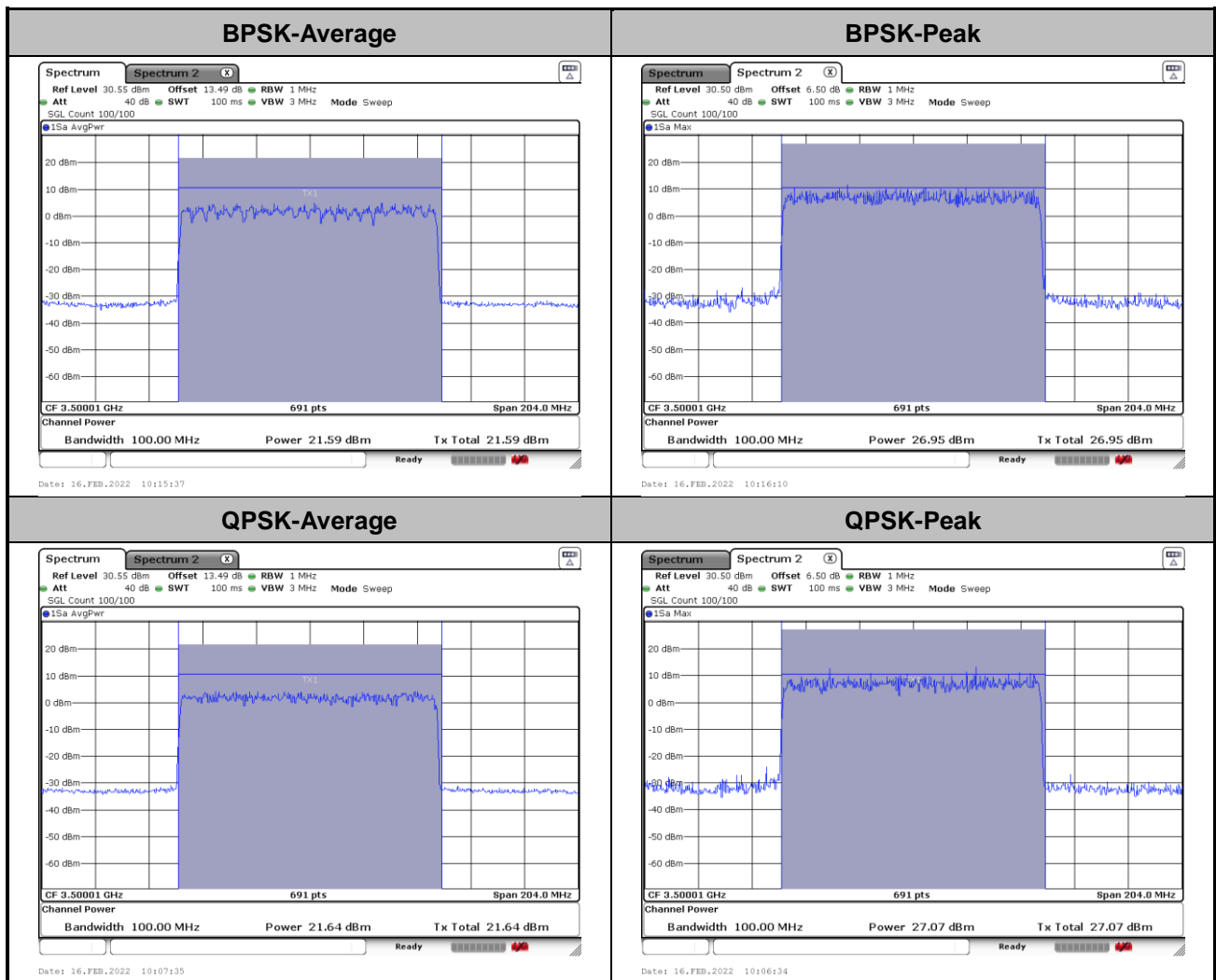
- 1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45V.
- 2. Note: The frequency fundamental emissions stay within the authorized frequency block.

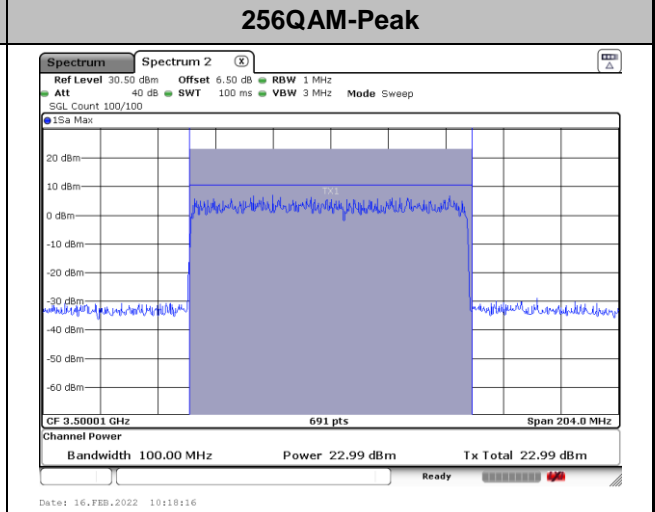
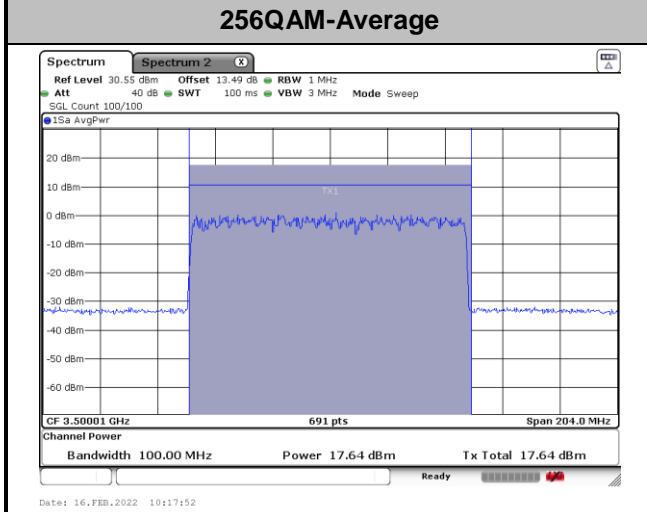
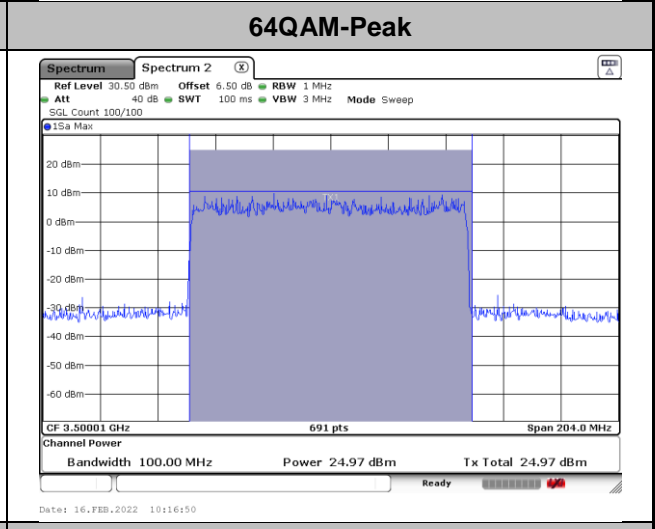
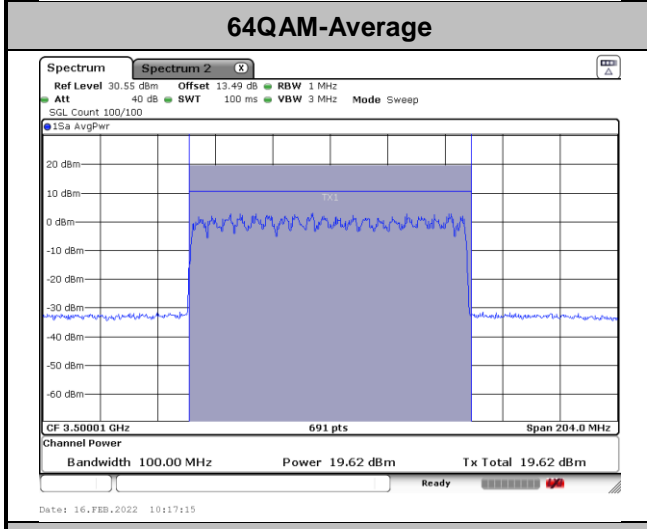
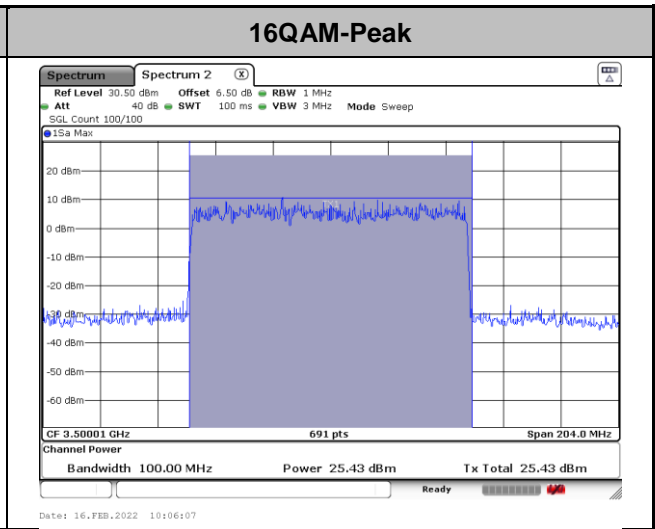
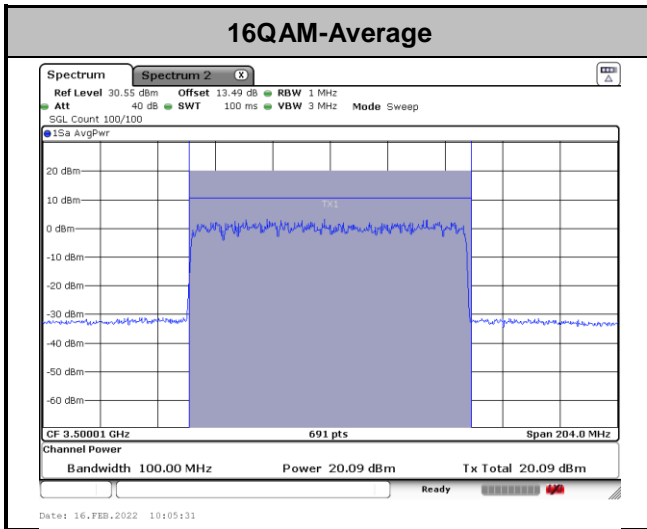


FR1 n77 for SCS 30kHz

Peak-to-Average Ratio

Mode	FR1 n77 / 100MHz / DFT-s-OFDM				
Mod.	BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.39	5.43	5.34	5.35	PASS
Mod.	256QAM				
RB Size	Full RB				
Middle CH	5.35				

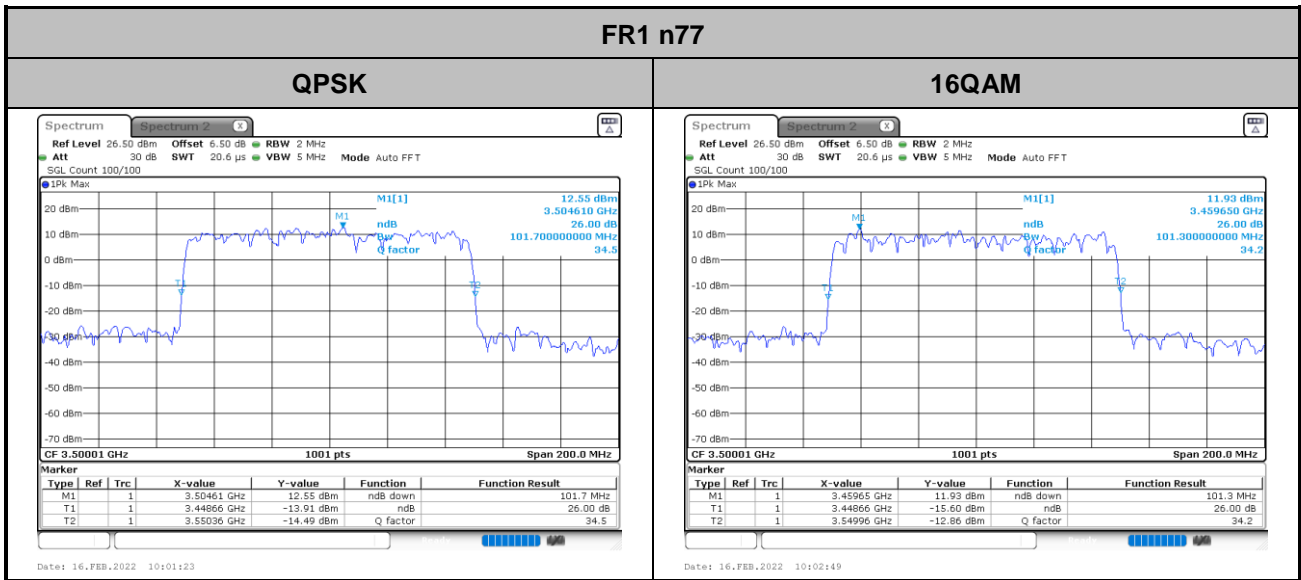






26dB Bandwidth

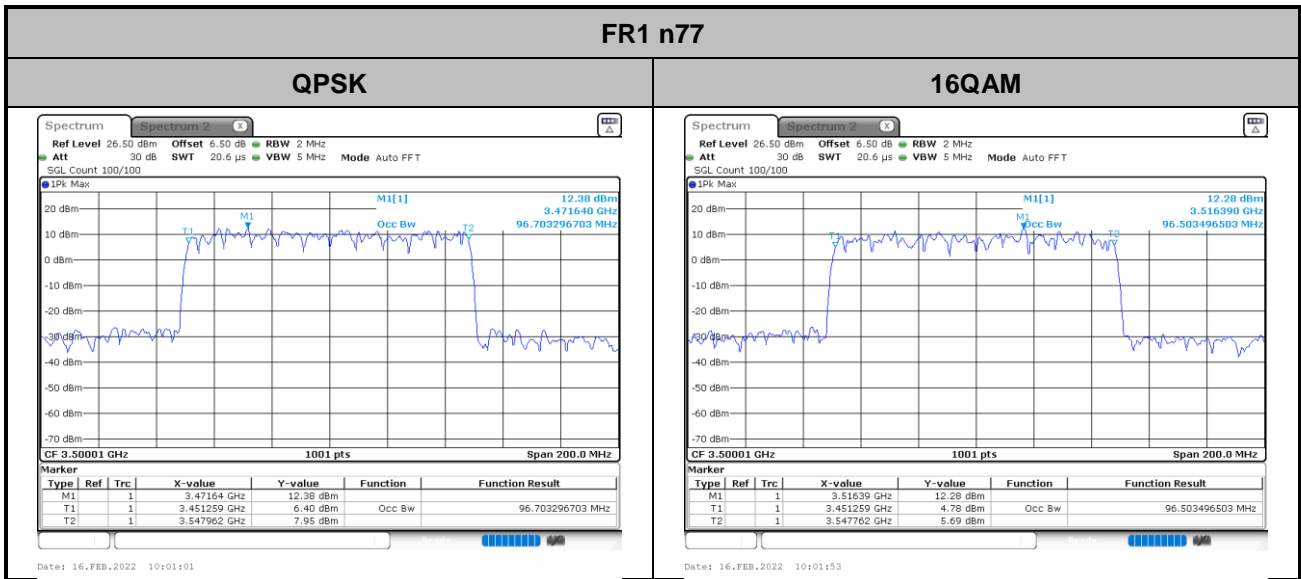
Mode	FR1 n77 : 26dB BW(MHz) / DFT-s-OFDM	
BW	100MHz	
Mod.	QPSK	16QAM
Middle CH	101.7	101.3





Occupied Bandwidth

Mode	FR1 n77: OB BW(MHz) / DFT-s-OFDM	
BW	100MHz	
Mod.	QPSK	16QAM
Middle CH	96.70	95.50



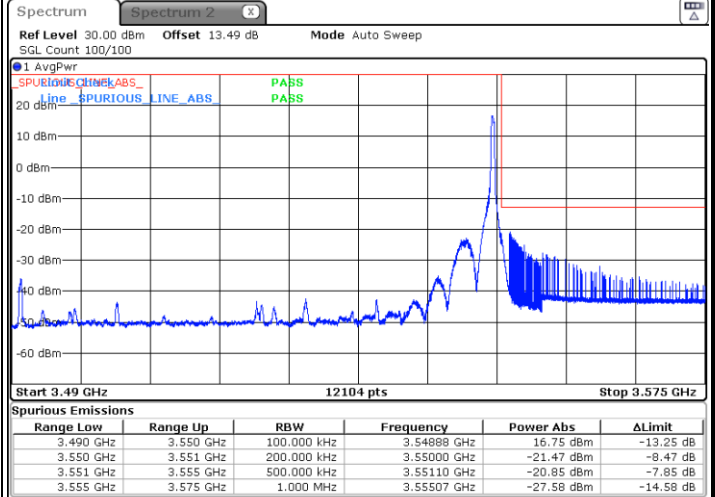
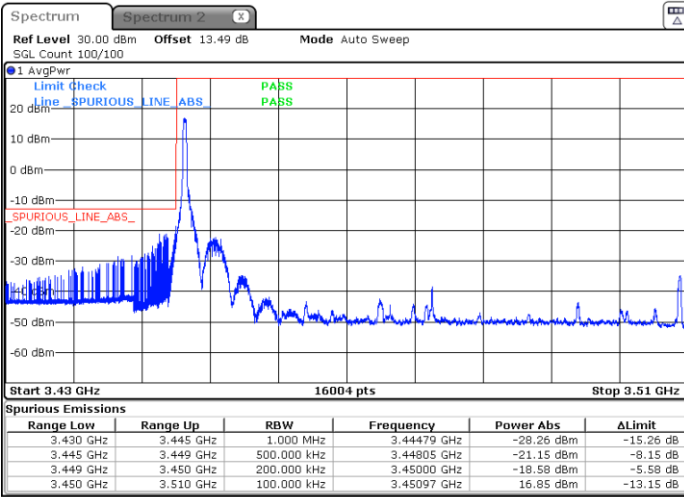


Conducted Band Edge

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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

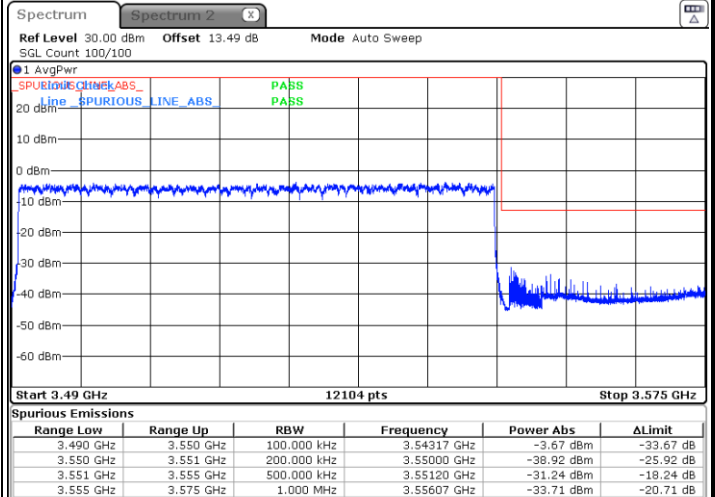
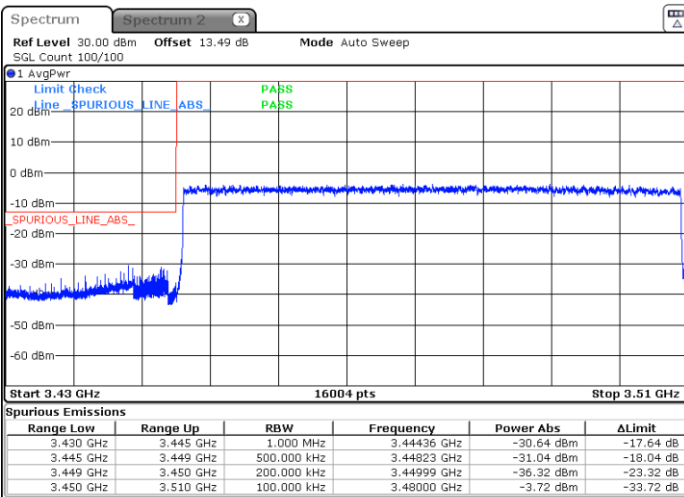


Date: 16.FEB.2022 13:23:32

Date: 16.FEB.2022 13:50:20

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.FEB.2022 13:33:56

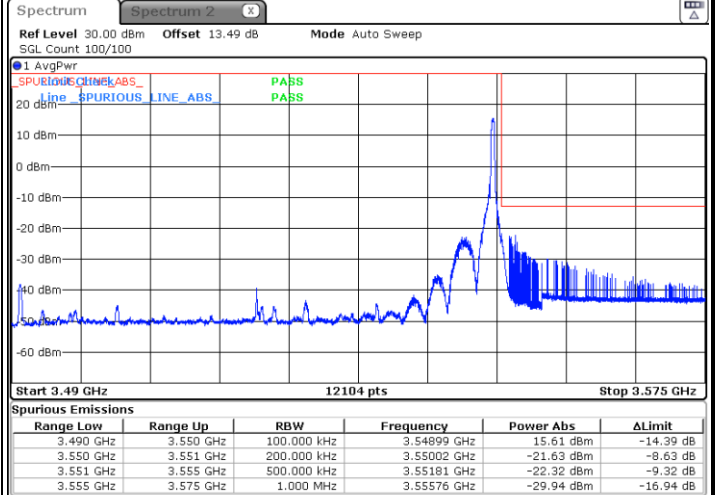
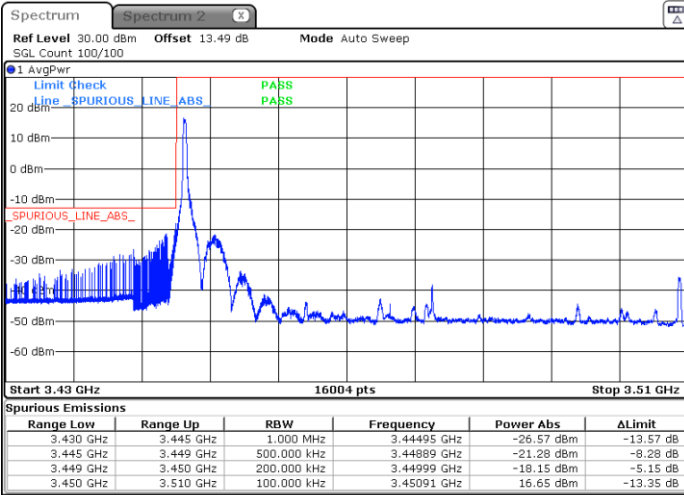
Date: 16.FEB.2022 13:36:03



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

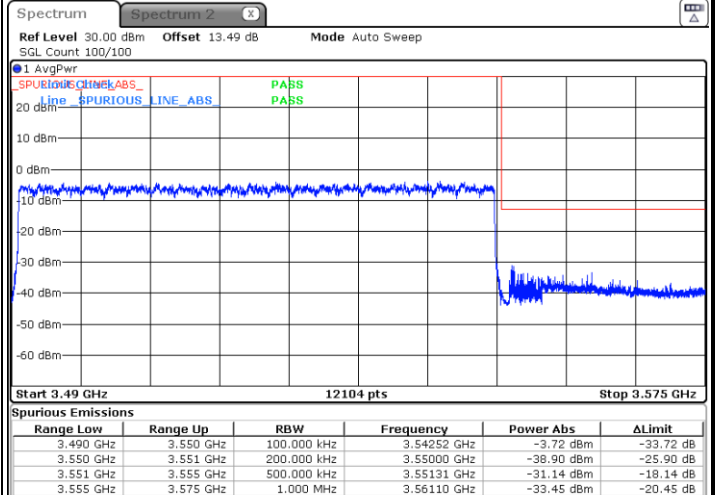
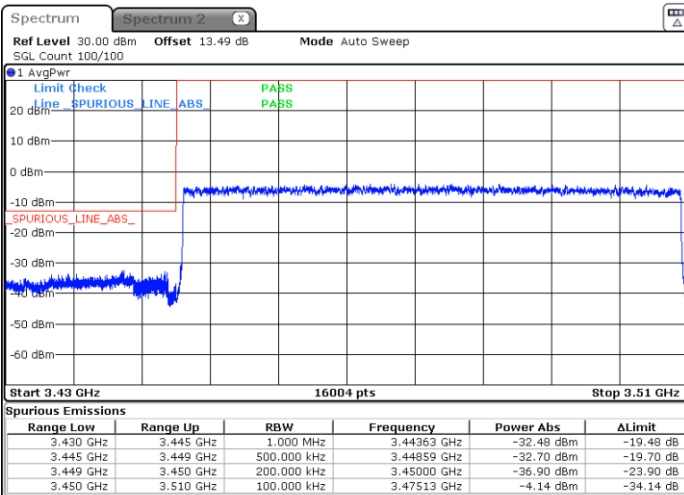


Date: 16.FEB.2022 13:24:36

Date: 16.FEB.2022 13:47:11

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.FEB.2022 13:32:51

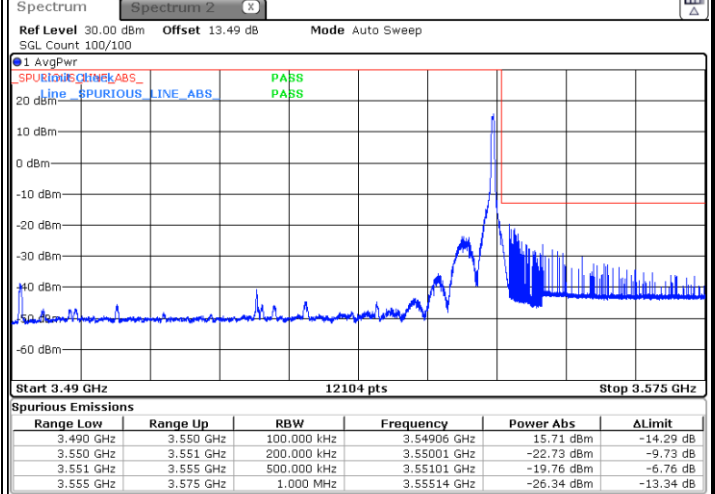
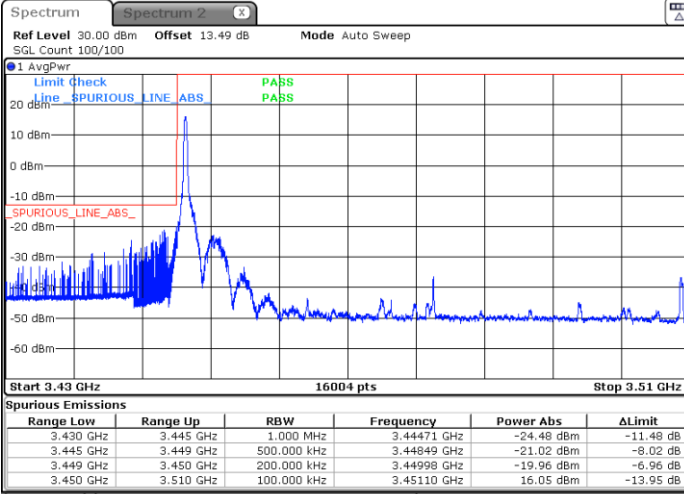
Date: 16.FEB.2022 13:37:02



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

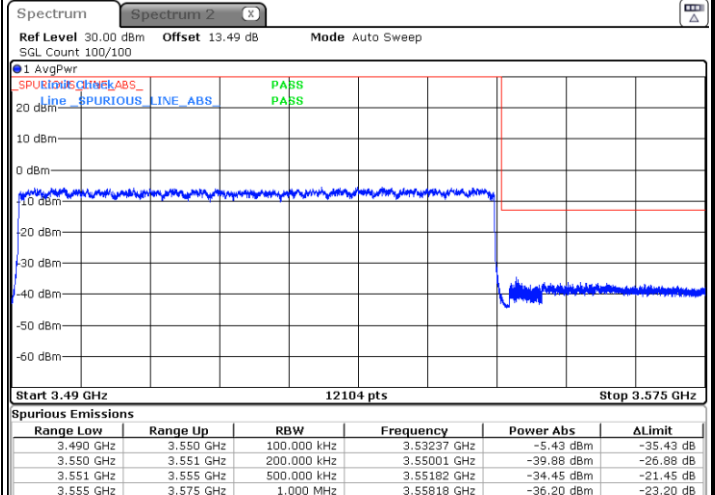
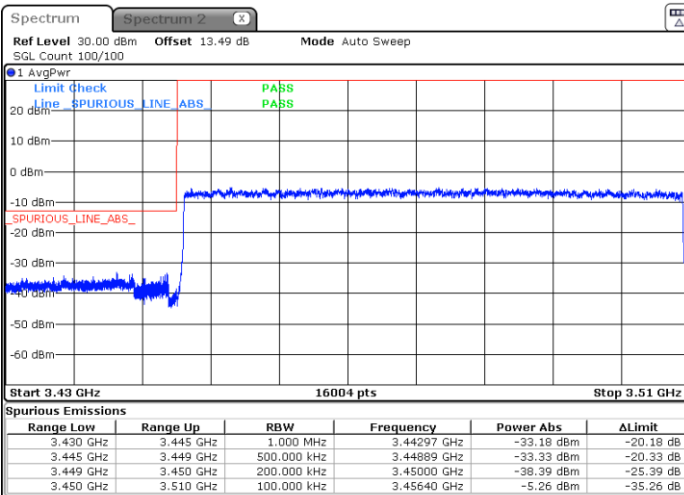


Date: 16.FEB.2022 13:25:30

Date: 16.FEB.2022 13:46:18

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



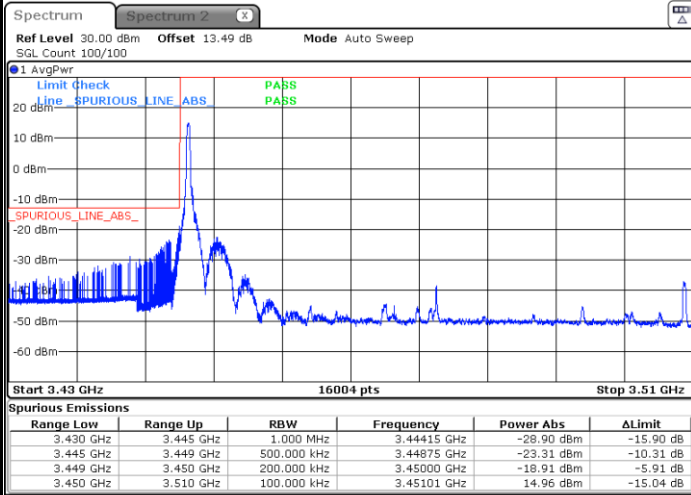
Date: 16.FEB.2022 13:31:50

Date: 16.FEB.2022 13:38:31



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

Lowest Band Edge / 1RB0



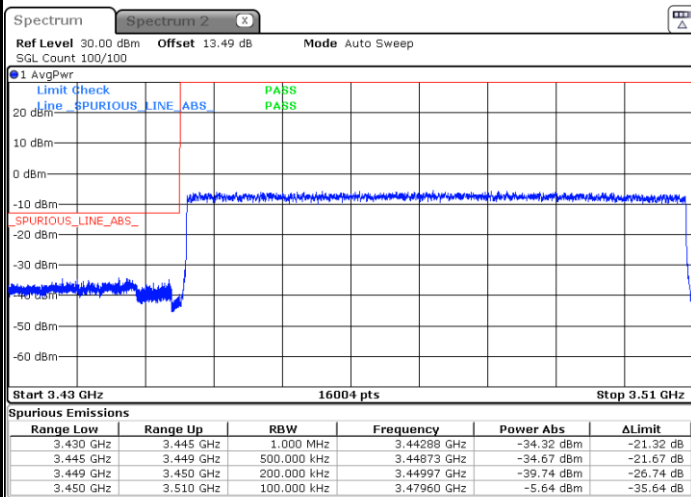
Date: 16.FEB.2022 13:26:20

Highest Band Edge / 1RB24



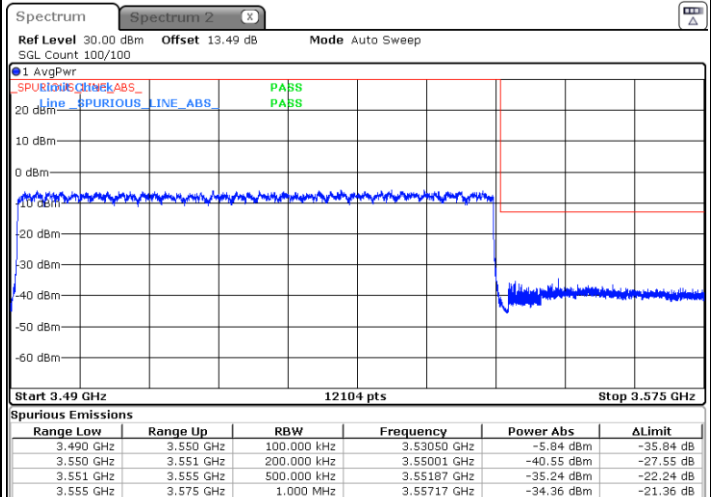
Date: 16.FEB.2022 13:44:37

Lowest Band Edge / Full RB



Date: 16.FEB.2022 13:29:39

Highest Band Edge / Full RB

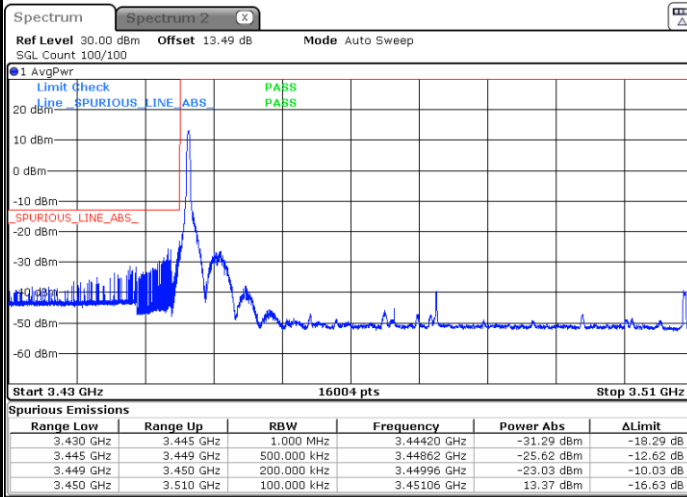


Date: 16.FEB.2022 13:39:35



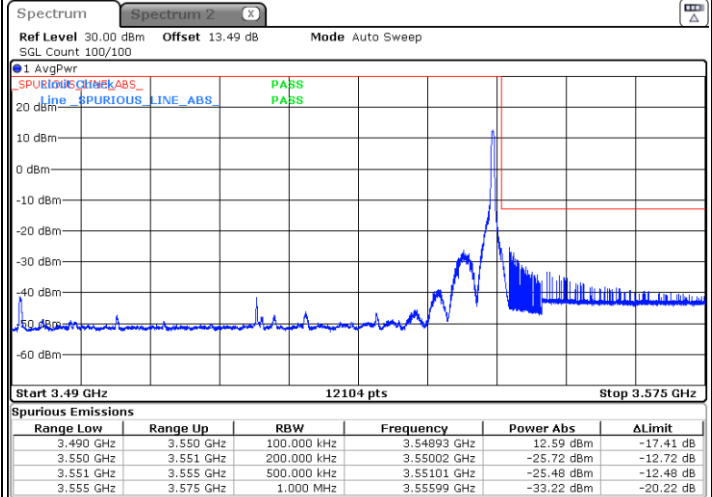
FR1 n77 / 60MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / 1RB0



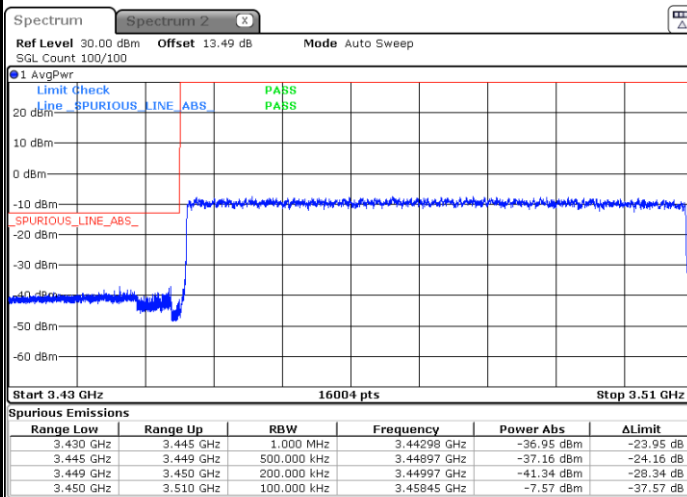
Date: 16.FEB.2022 13:27:29

Highest Band Edge / 1RB24



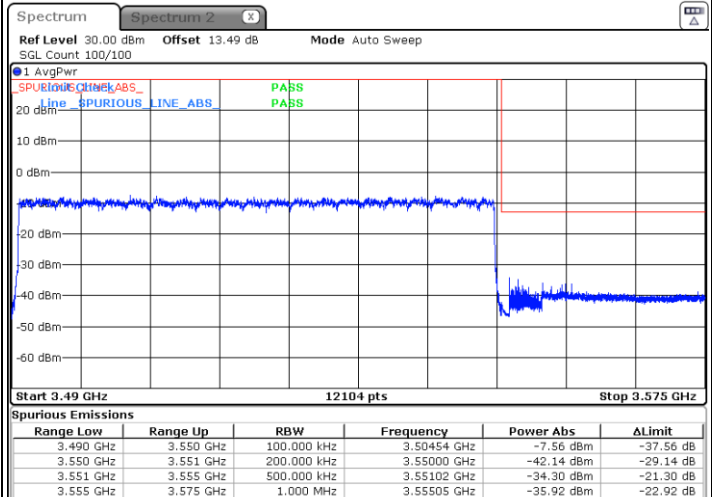
Date: 16.FEB.2022 13:42:09

Lowest Band Edge / Full RB



Date: 16.FEB.2022 13:28:43

Highest Band Edge / Full RB



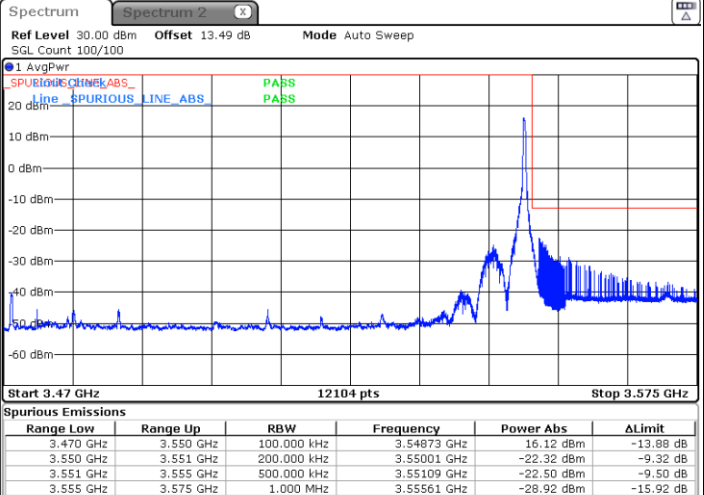
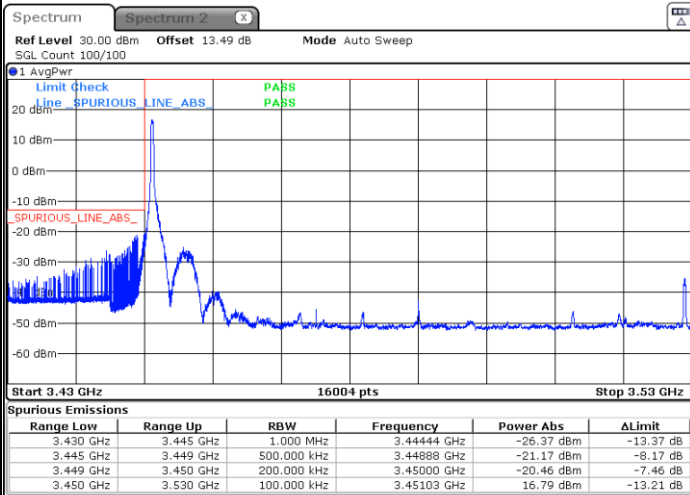
Date: 16.FEB.2022 13:40:53



FR1 n77 / 80MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

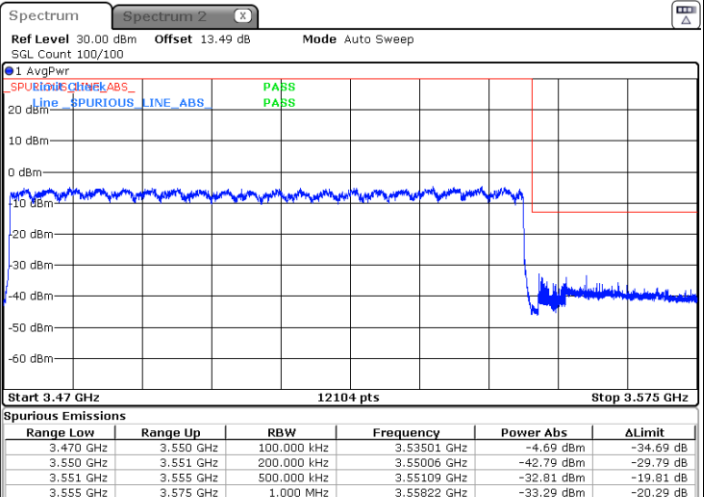
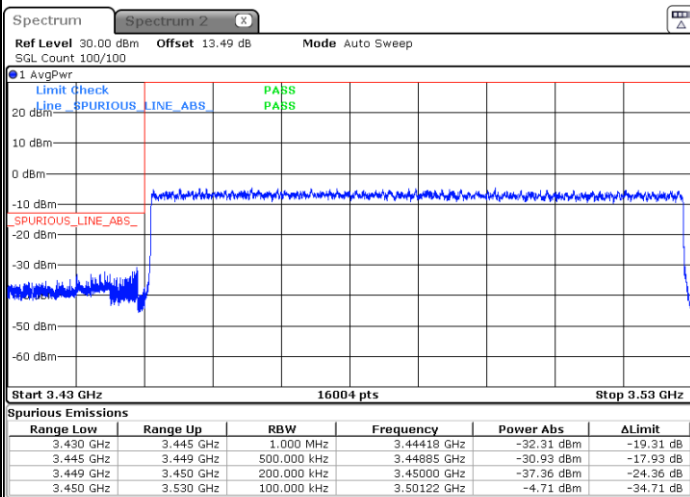


Date: 16.FEB.2022 12:46:53

Date: 16.FEB.2022 13:16:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.FEB.2022 12:57:21

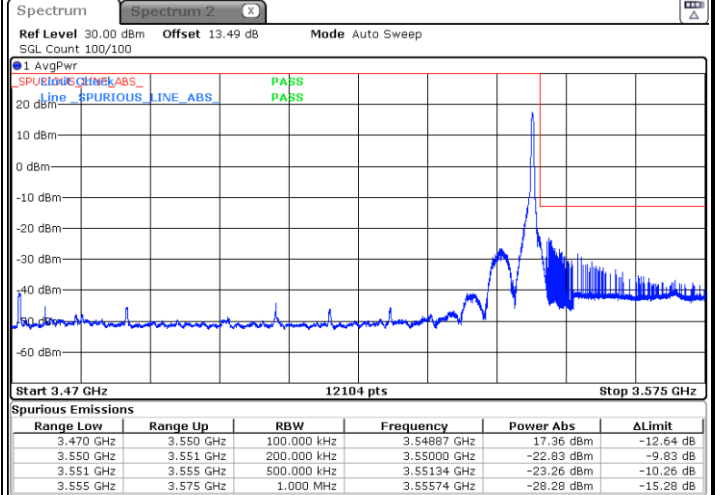
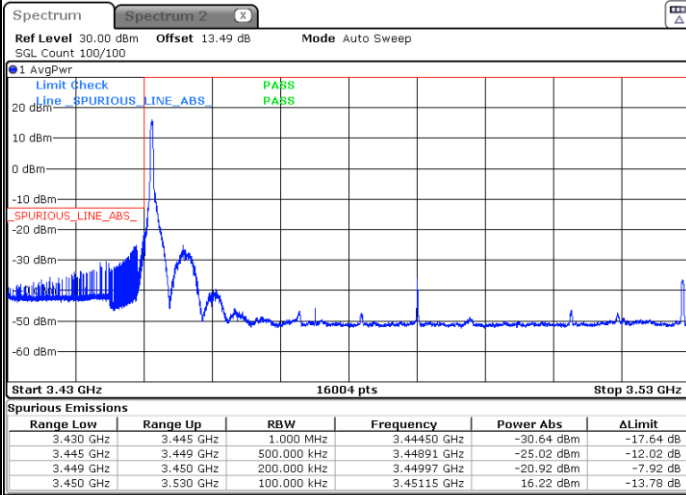
Date: 16.FEB.2022 12:58:22



FR1 n77 / 80MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

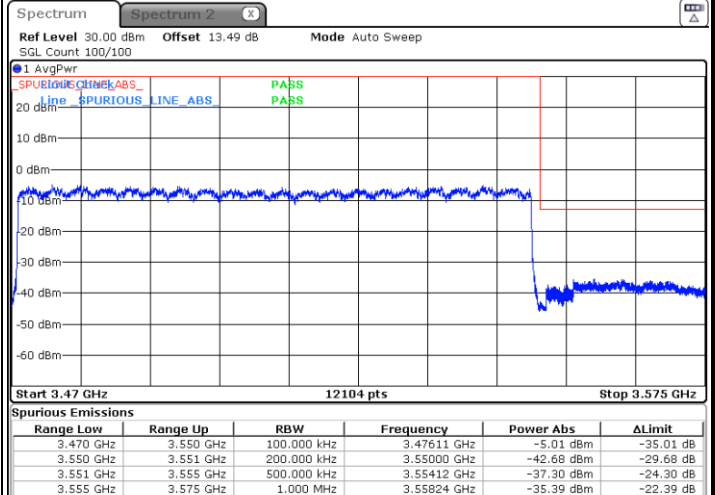
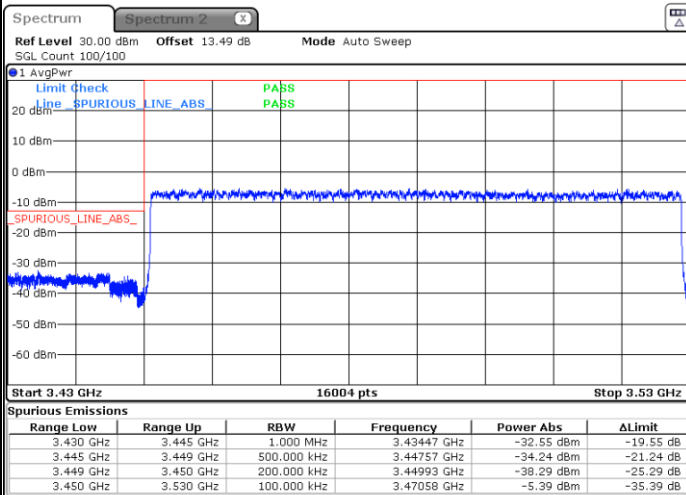


Date: 16.FEB.2022 12:47:33

Date: 16.FEB.2022 13:15:36

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.FEB.2022 12:56:35

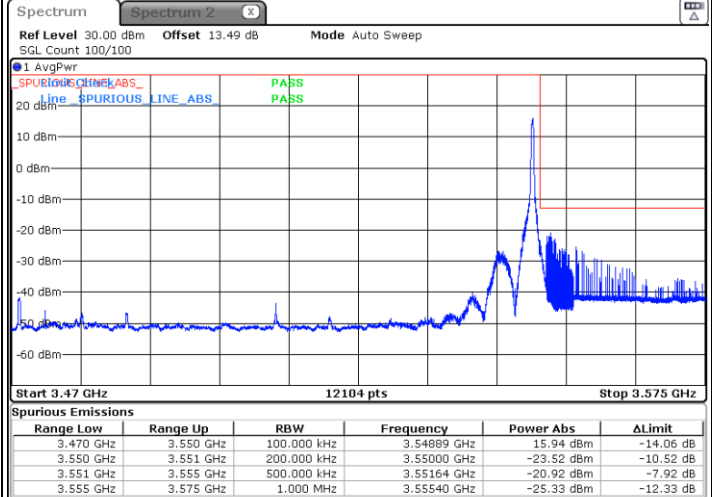
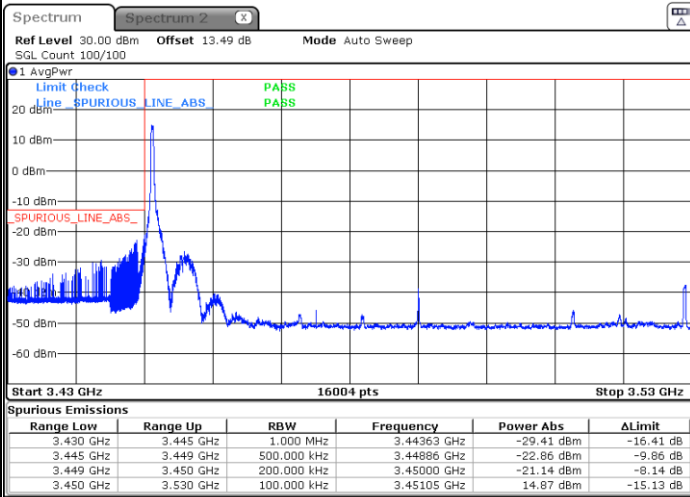
Date: 16.FEB.2022 12:59:18



FR1 n77 / 80MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

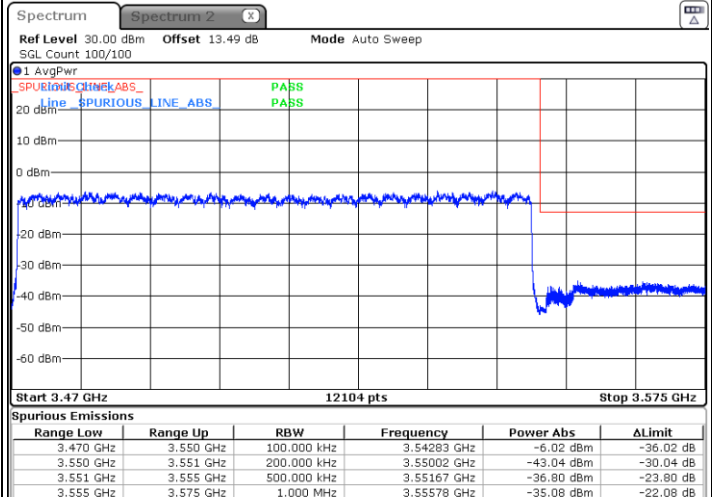
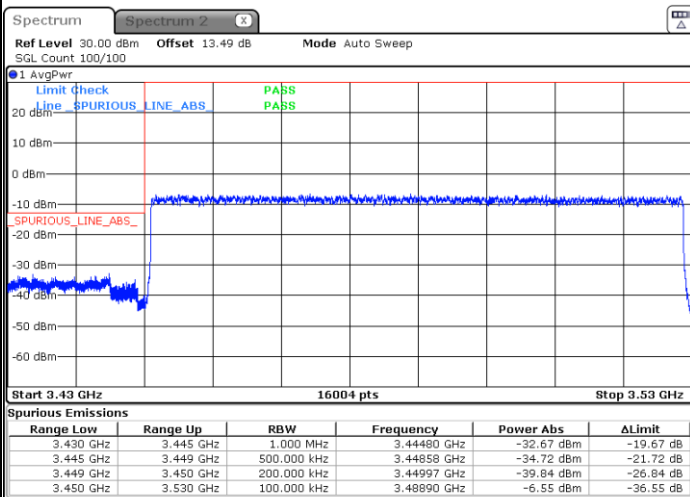


Date: 16.FEB.2022 12:48:45

Date: 16.FEB.2022 13:14:30

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.FEB.2022 12:55:43

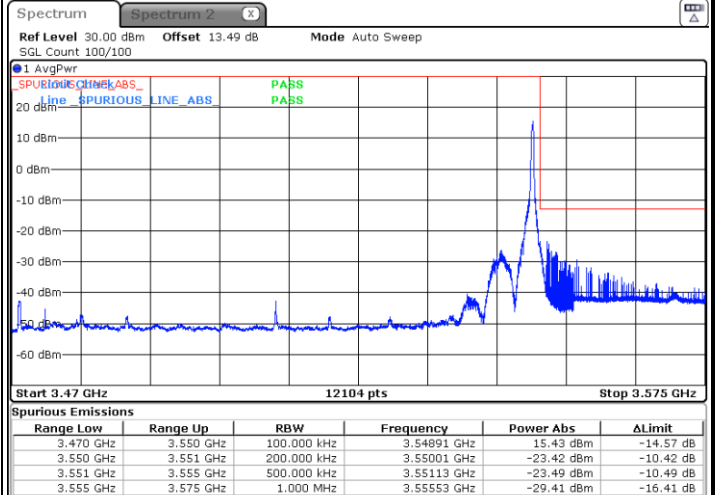
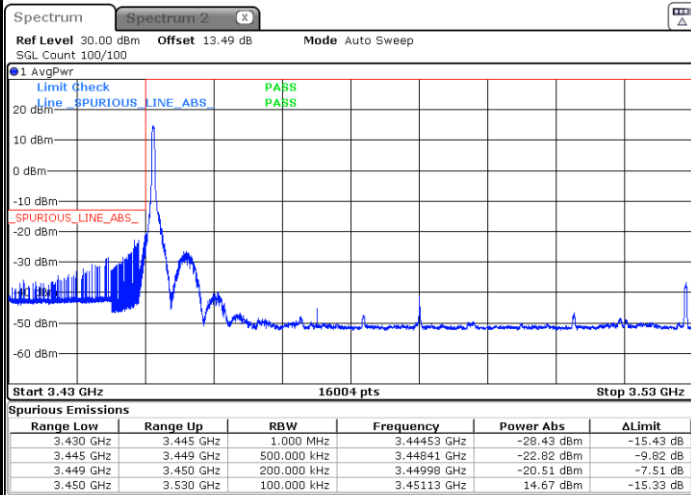
Date: 16.FEB.2022 13:08:40



FR1 n77 / 80MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

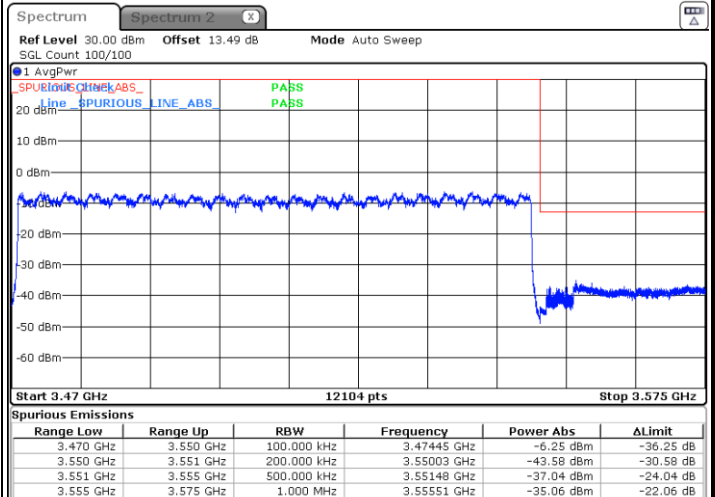
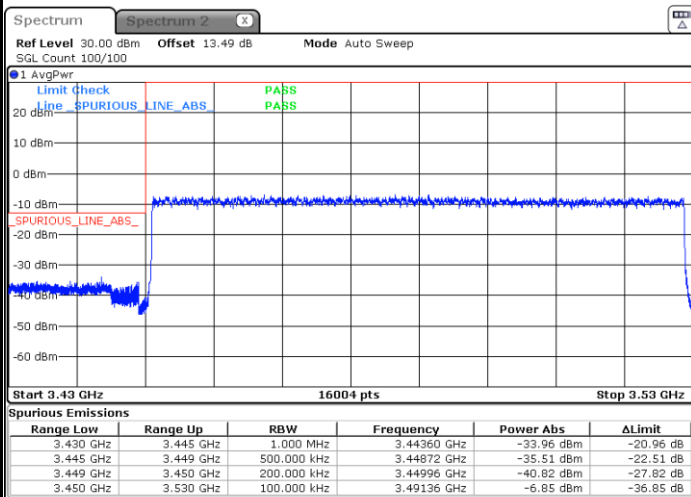


Date: 16.FEB.2022 12:50:32

Date: 16.FEB.2022 13:13:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.FEB.2022 12:54:51

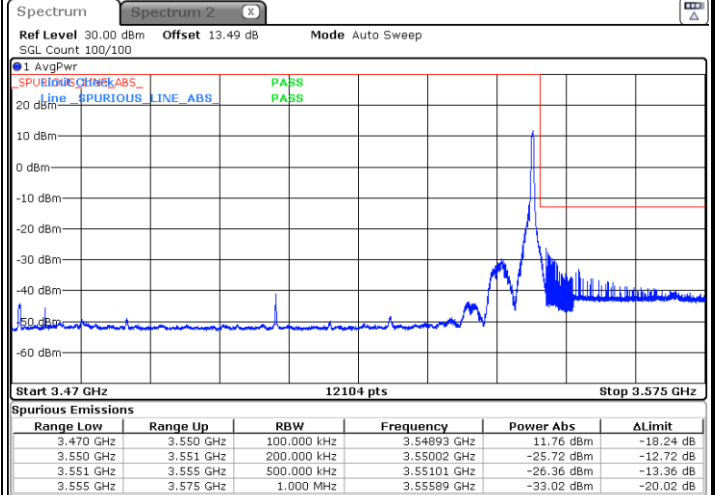
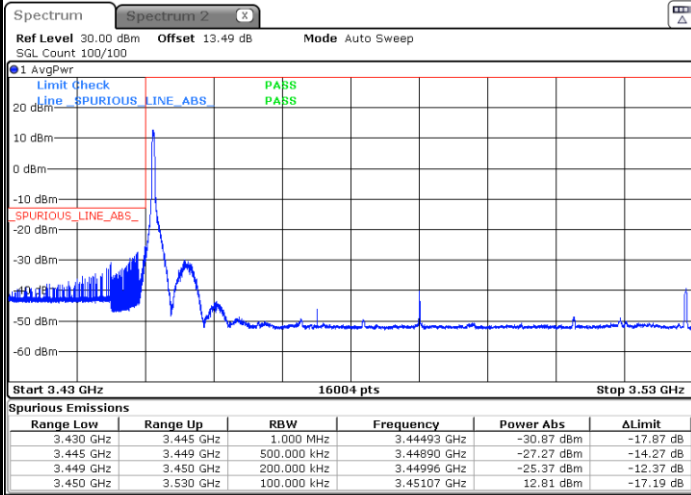
Date: 16.FEB.2022 13:09:21



FR1 n77 / 80MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

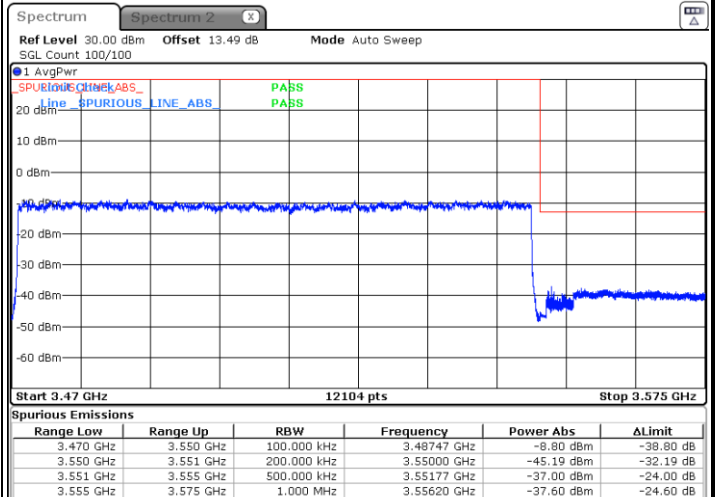
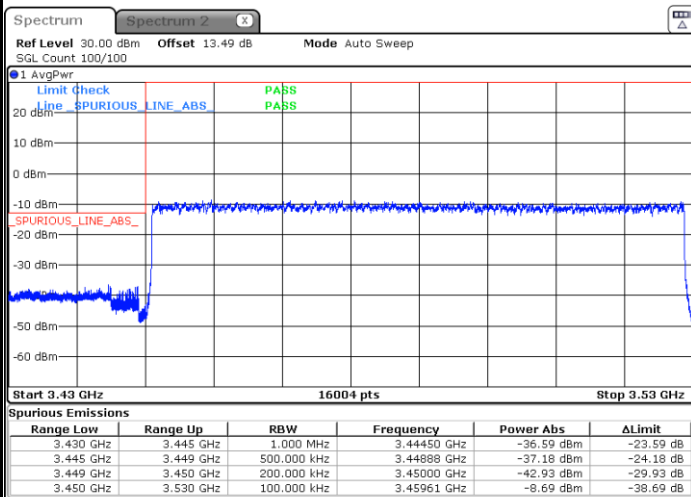


Date: 16.FEB.2022 12:52:32

Date: 16.FEB.2022 13:12:18

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.FEB.2022 12:53:38

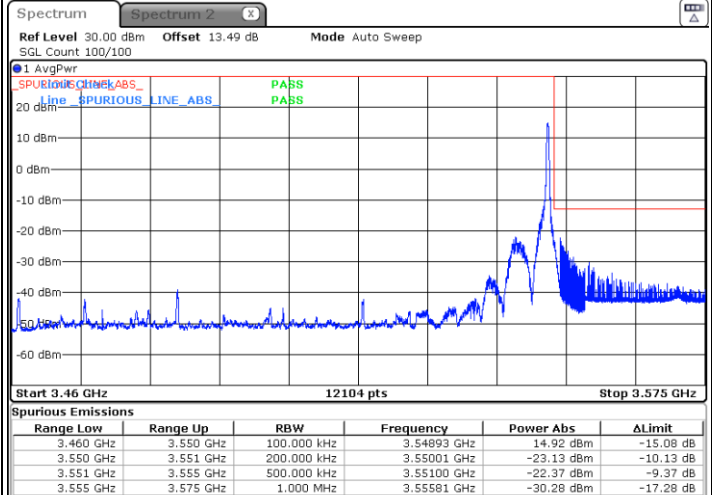
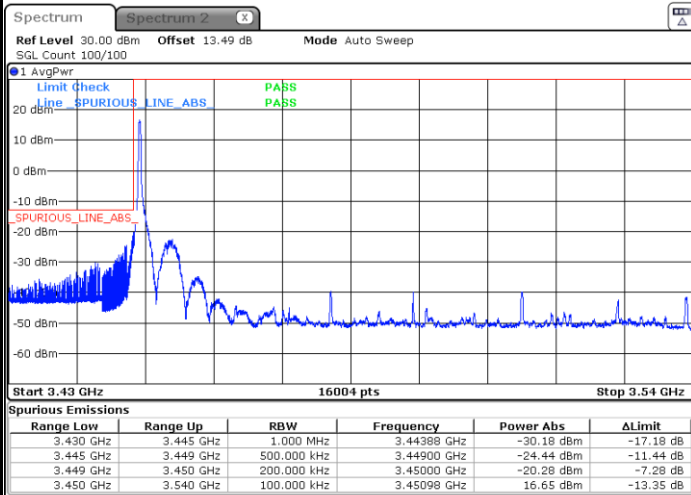
Date: 16.FEB.2022 13:10:29



FR1 n77 / 90MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

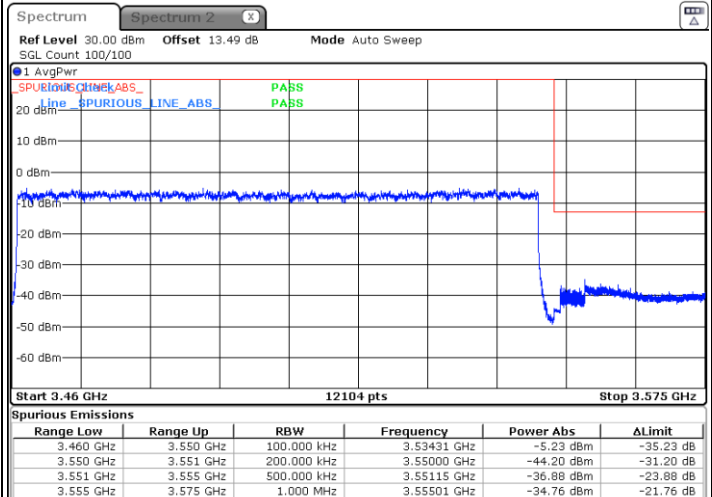
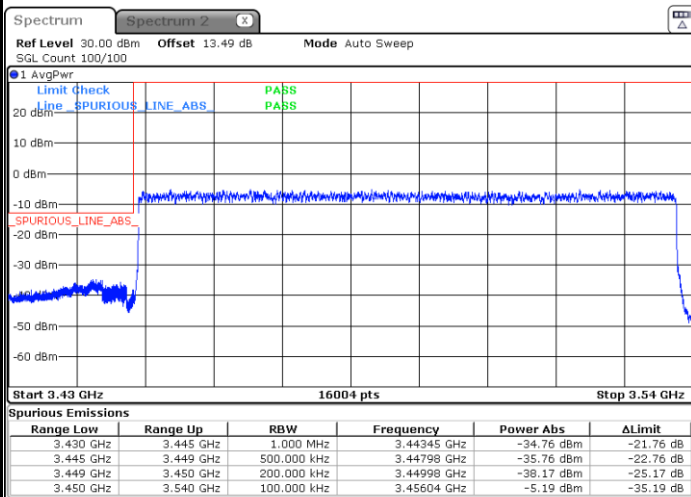


Date: 16.FEB.2022 10:54:03

Date: 16.FEB.2022 12:34:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16.FEB.2022 11:08:22

Date: 16.FEB.2022 11:20:43