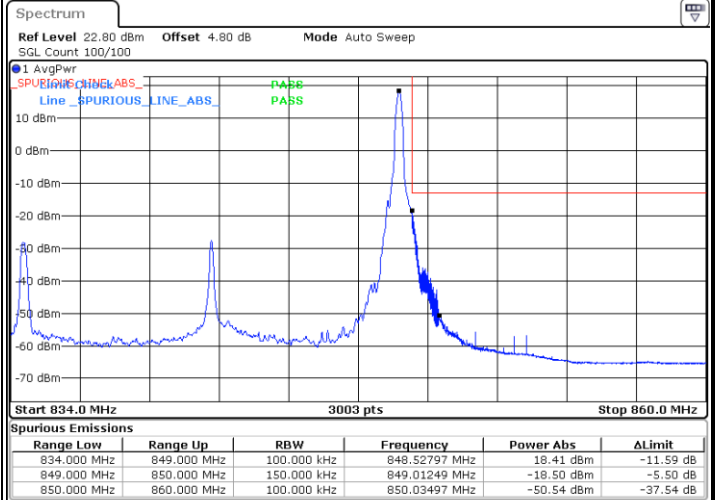
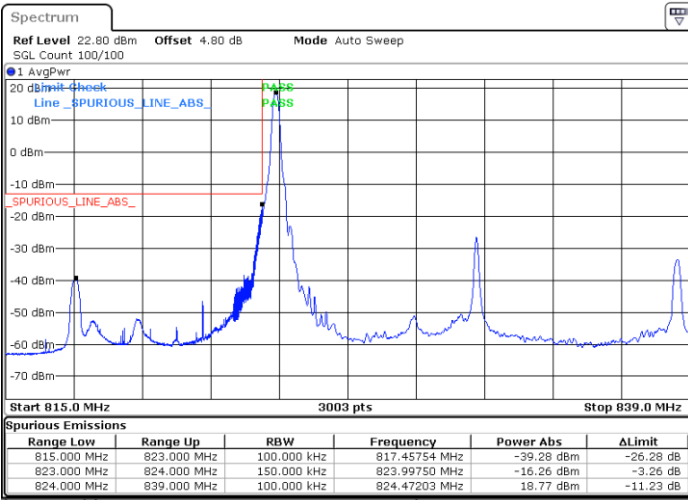




FR1 n5 / 15MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

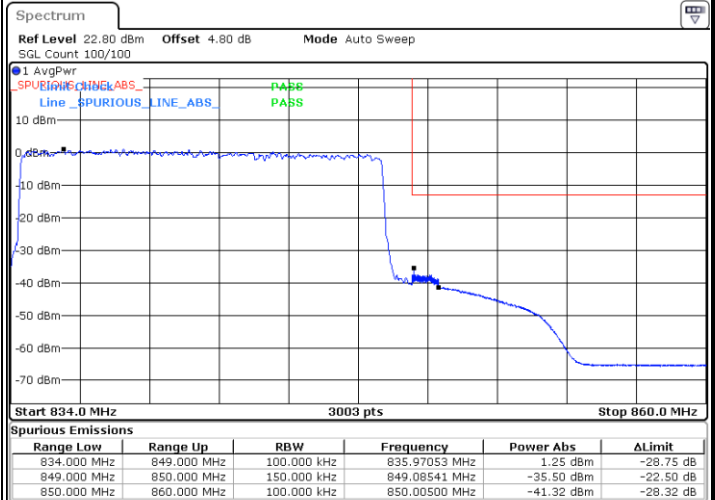
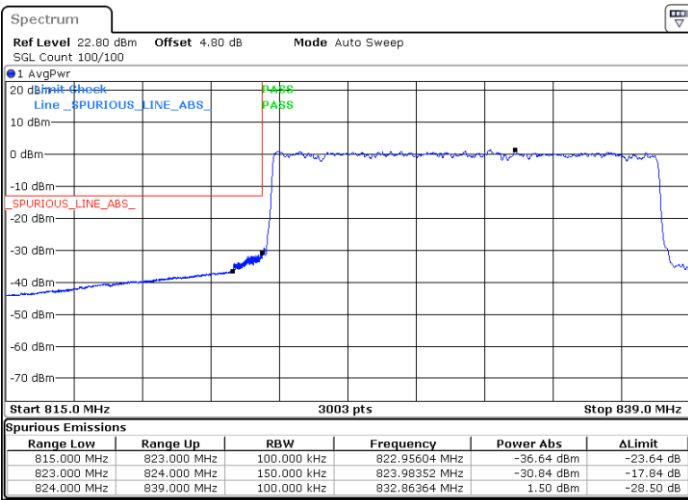


Date: 20 DEC 2020 01:59:01

Date: 20 DEC 2020 02:09:10

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20 DEC 2020 01:56:08

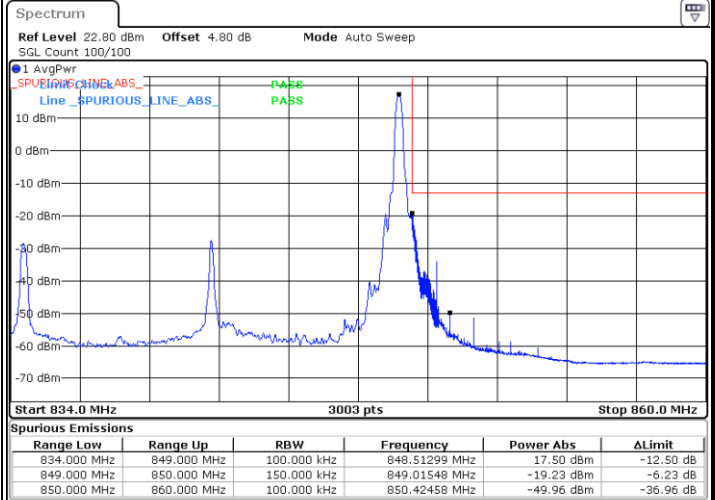
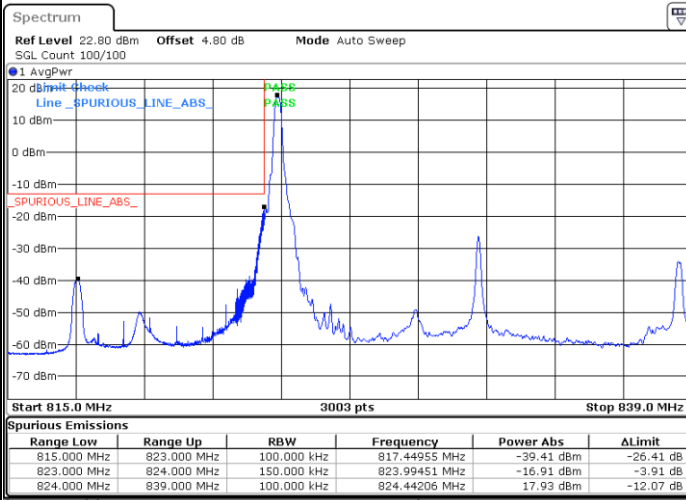
Date: 20 DEC 2020 02:11:59



FR1 n5 / 15MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

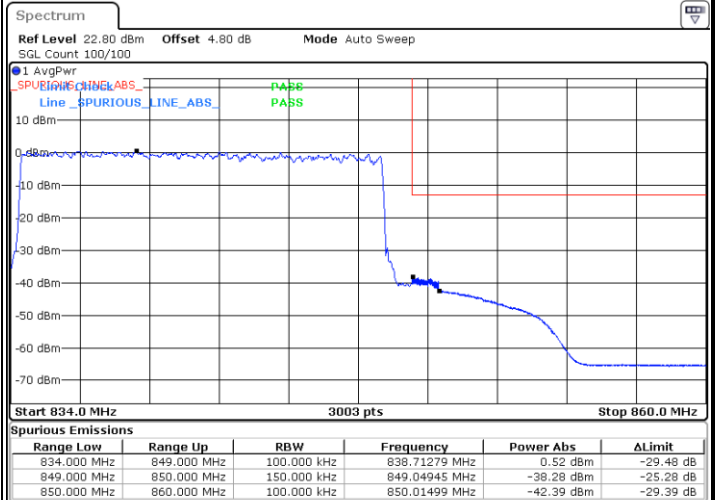
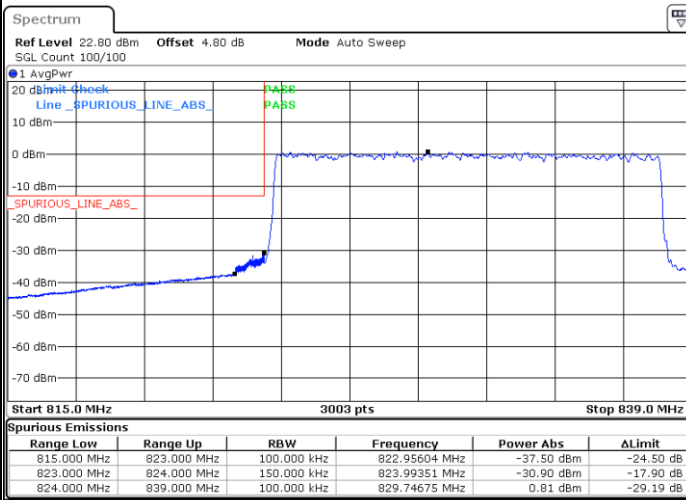


Date: 20 DEC 2020 01:59:49

Date: 20 DEC 2020 02:09:53

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20 DEC 2020 01:55:26

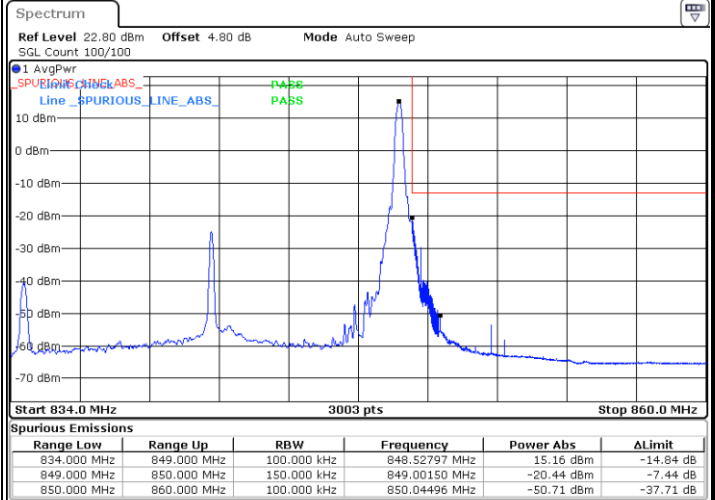
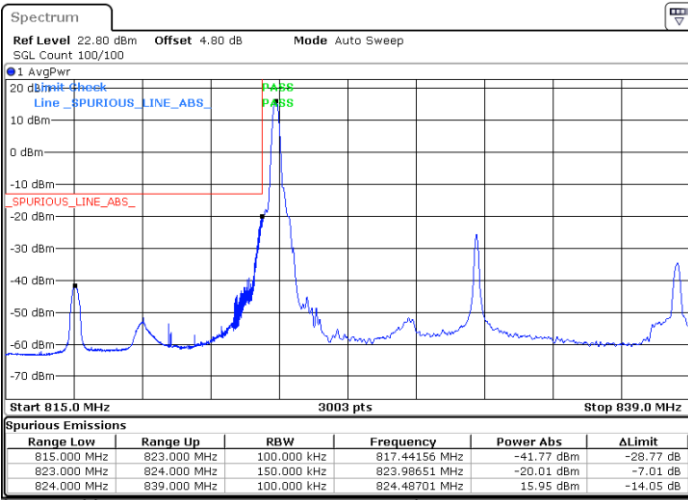
Date: 20 DEC 2020 02:11:17



FR1 n5/ 15MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

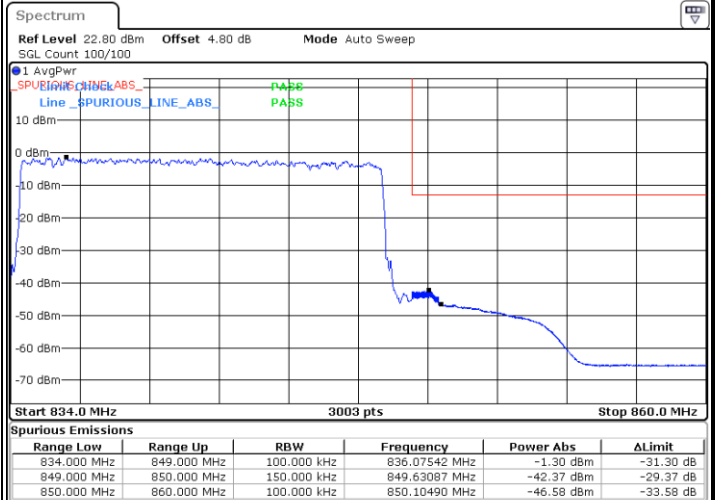
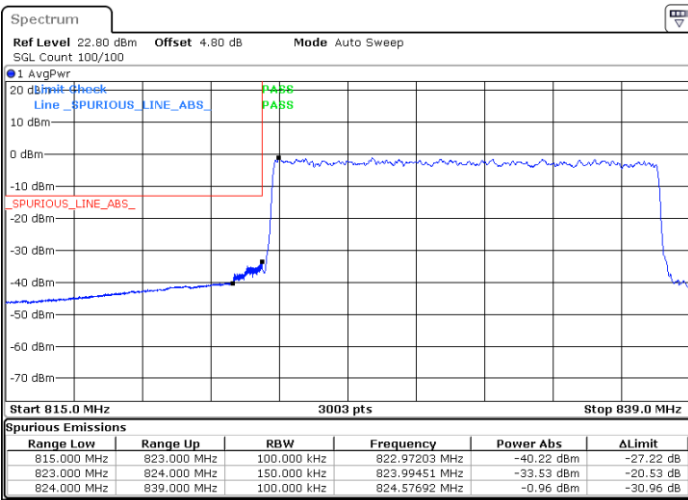


Date: 20 DEC 2020 02:00:26

Date: 20 DEC 2020 02:15:52

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20 DEC 2020 01:54:50

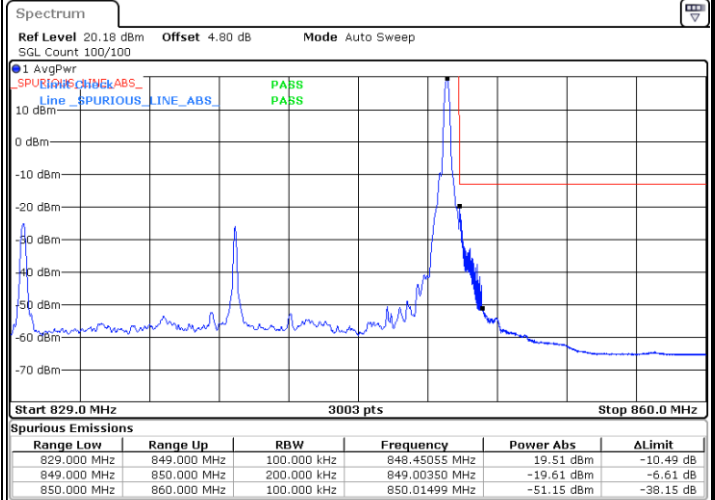
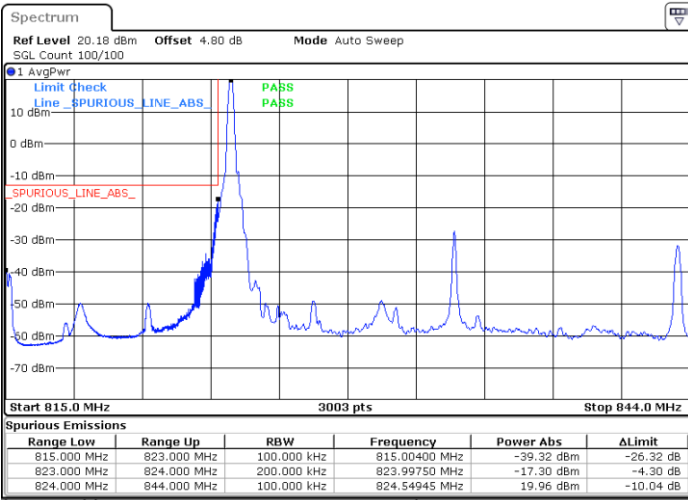
Date: 20 DEC 2020 02:15:00



FR1 n5 / 20MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

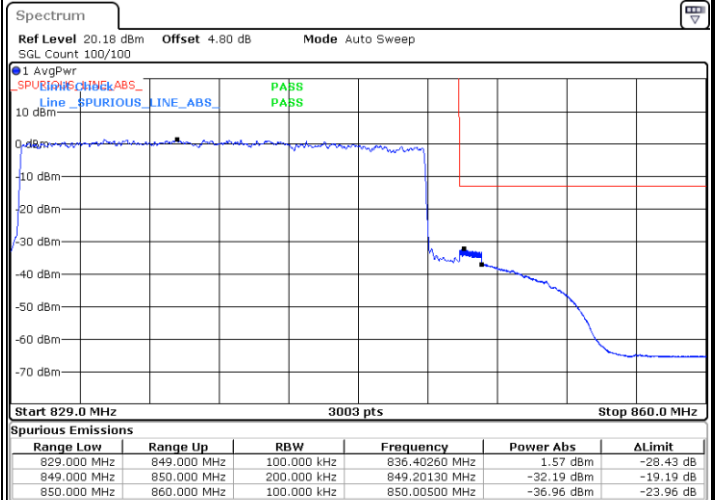
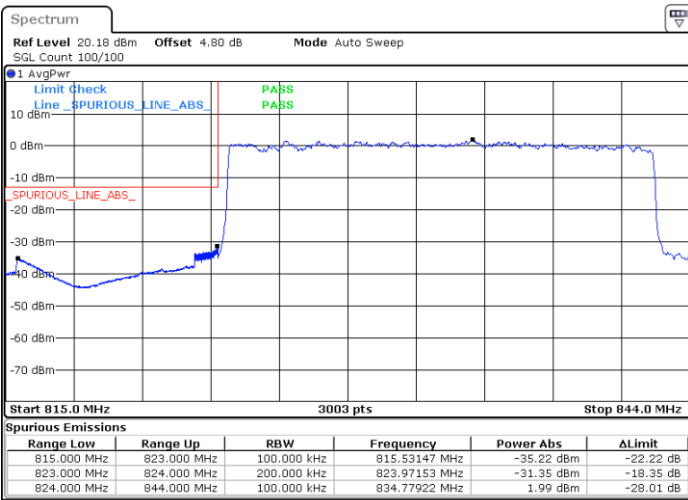


Date: 20 DEC 2020 02:26:55

Date: 20 DEC 2020 02:44:10

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20 DEC 2020 02:27:43

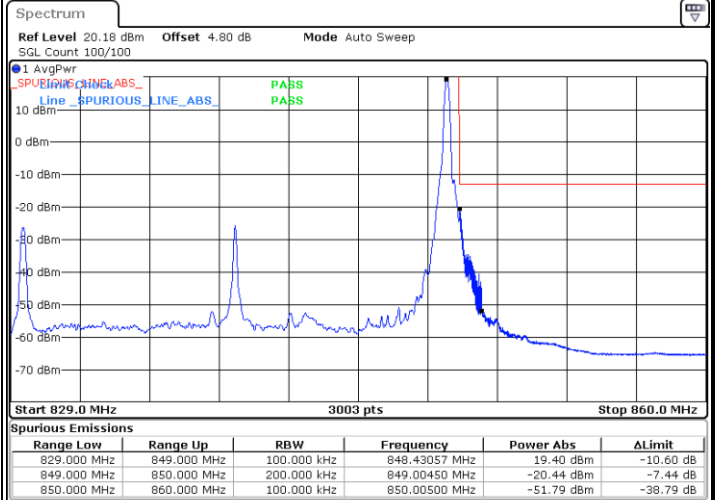
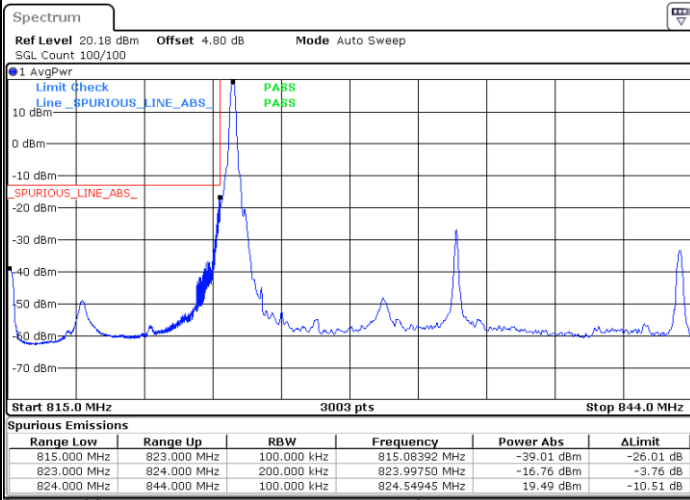
Date: 20 DEC 2020 02:45:03



FR1 n5/ 20MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

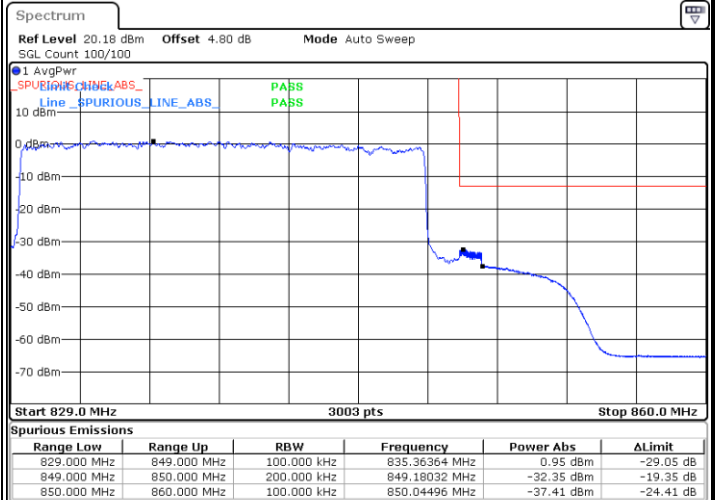
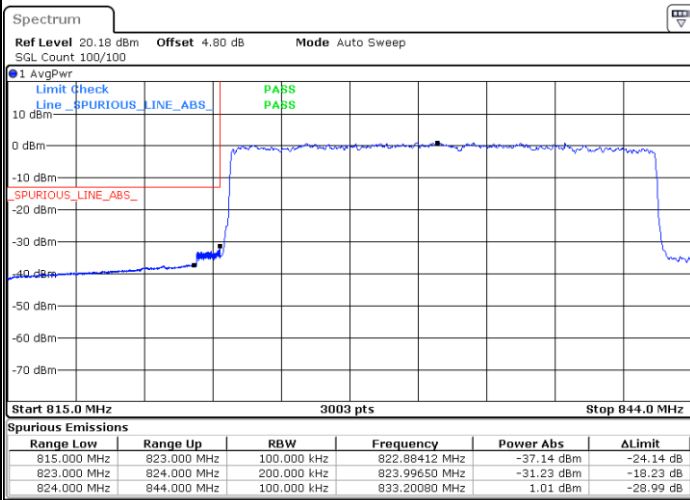


Date: 20 DEC 2020 02:22:59

Date: 20 DEC 2020 02:42:35

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20 DEC 2020 02:21:37

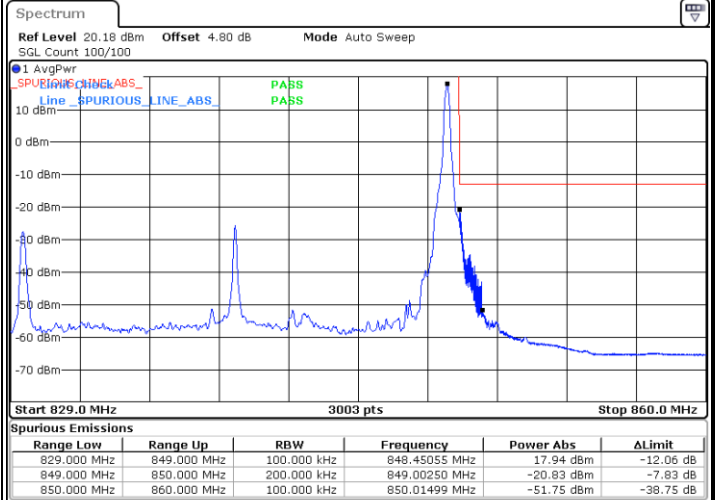
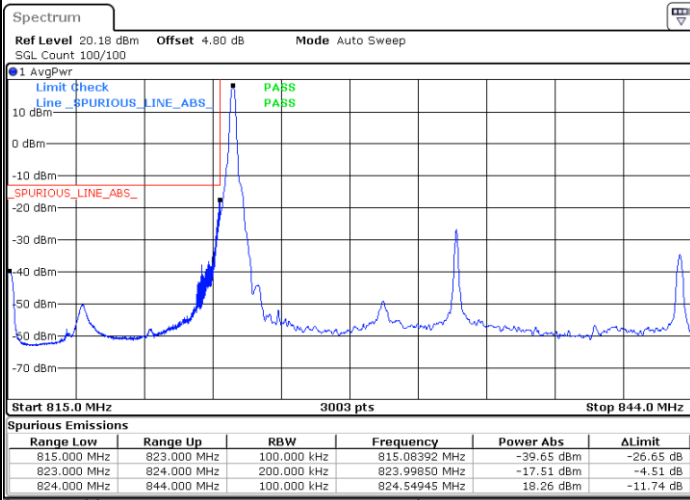
Date: 20 DEC 2020 02:37:07



FR1 n5 / 20MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

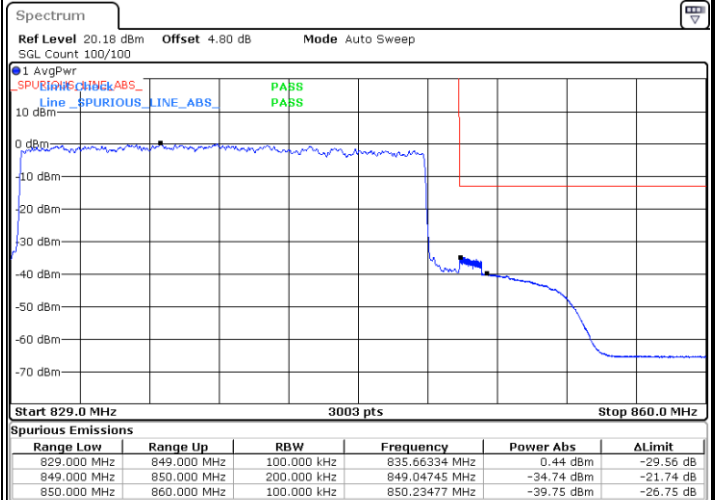
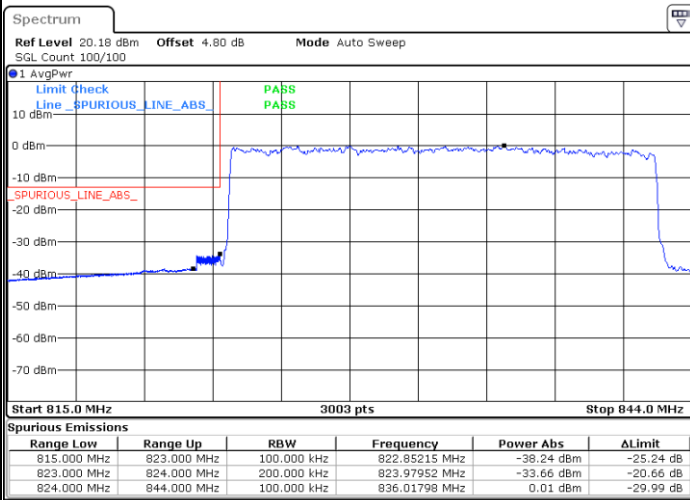


Date: 20 DEC 2020 02:23:54

Date: 20 DEC 2020 02:41:50

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20 DEC 2020 02:20:56

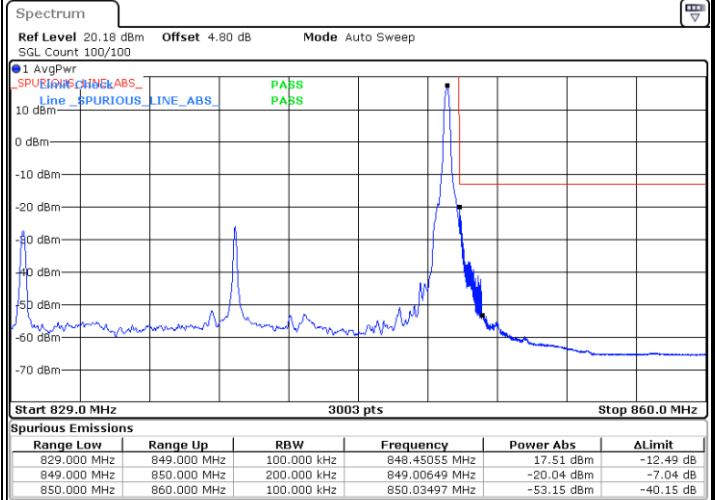
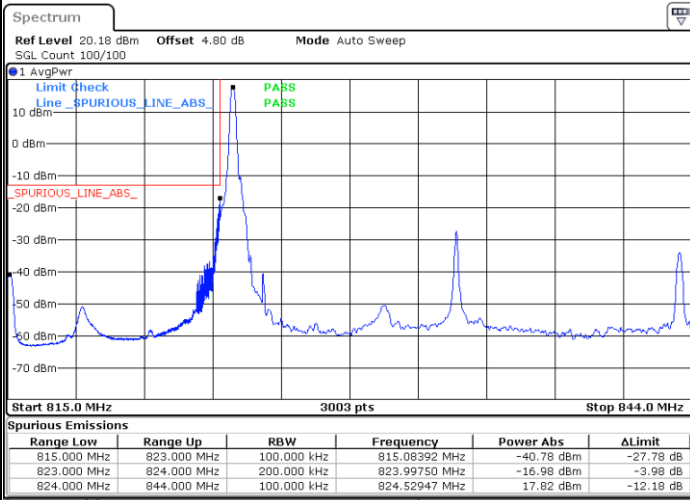
Date: 20 DEC 2020 02:38:00



FR1 n5 / 20MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

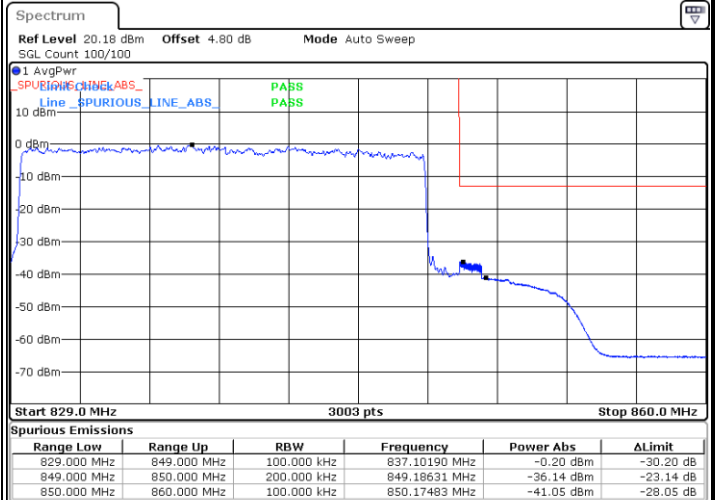
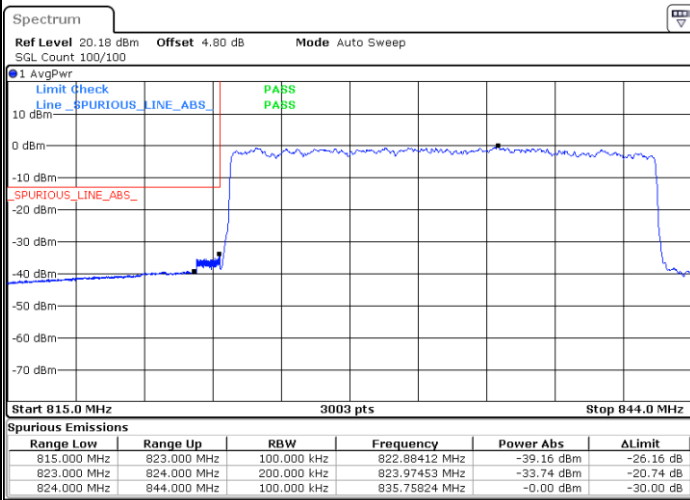


Date: 20 DEC 2020 02:24:32

Date: 20 DEC 2020 02:41:07

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20 DEC 2020 02:20:14

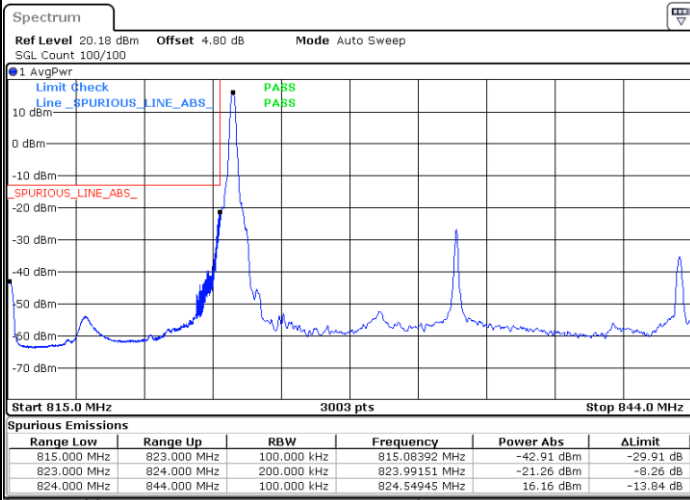
Date: 20 DEC 2020 02:38:47



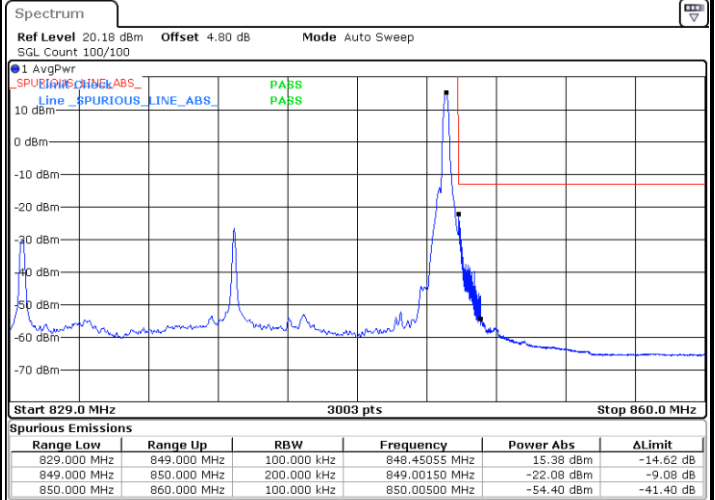
FR1 n5/ 20MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



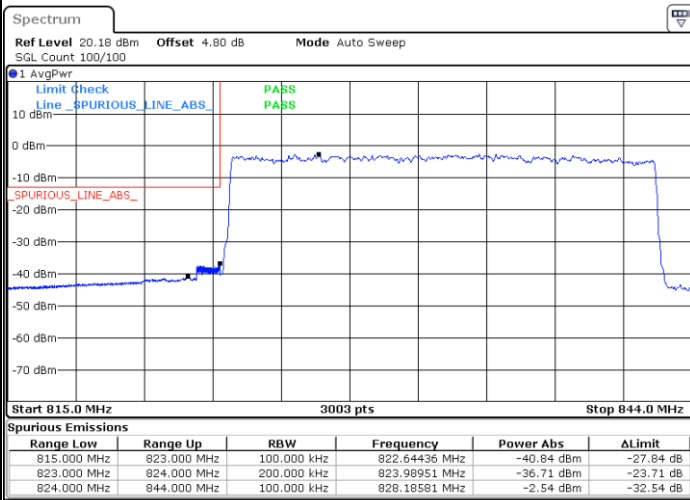
Date: 20 DEC 2020 02:25:22



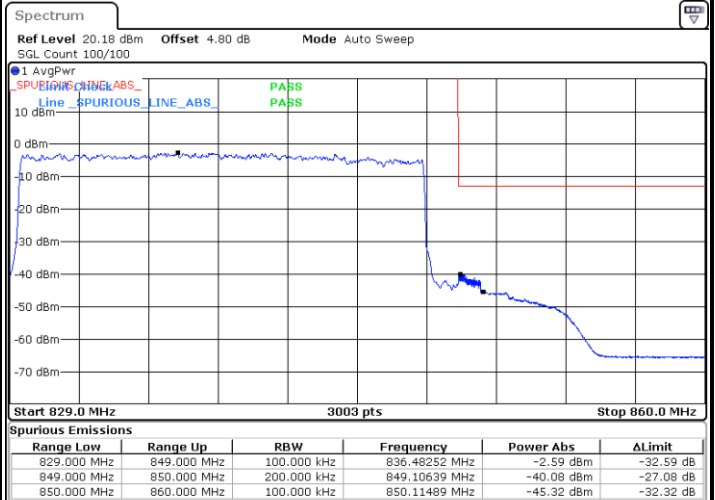
Date: 20 DEC 2020 02:40:19

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20 DEC 2020 02:19:35



Date: 20 DEC 2020 02:39:31



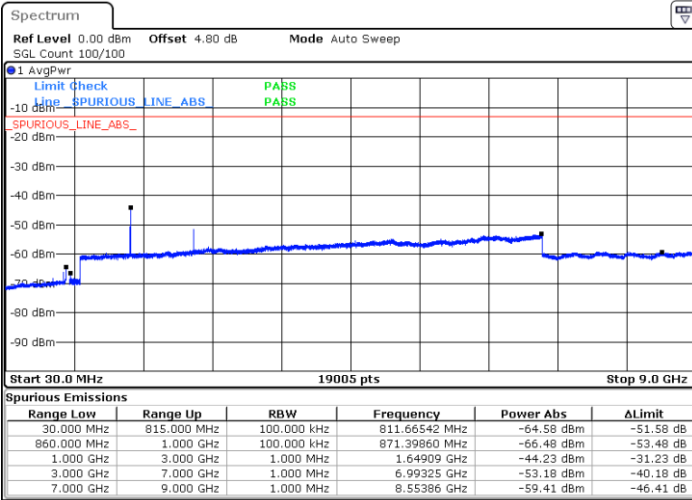
Conducted Spurious Emission



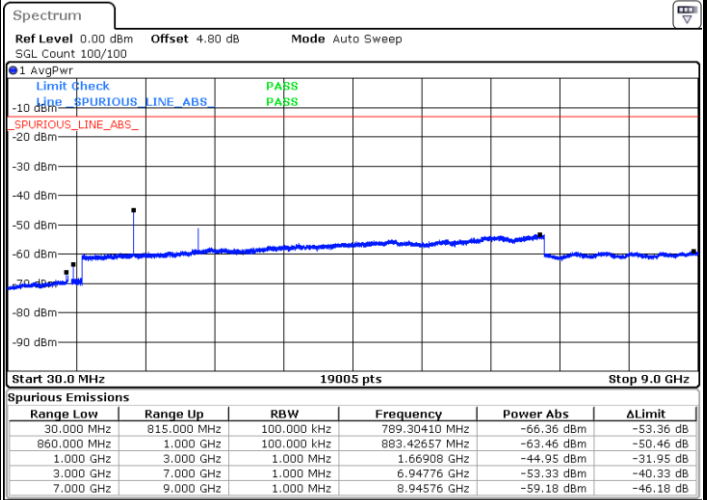
FR1 n5 / 5MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

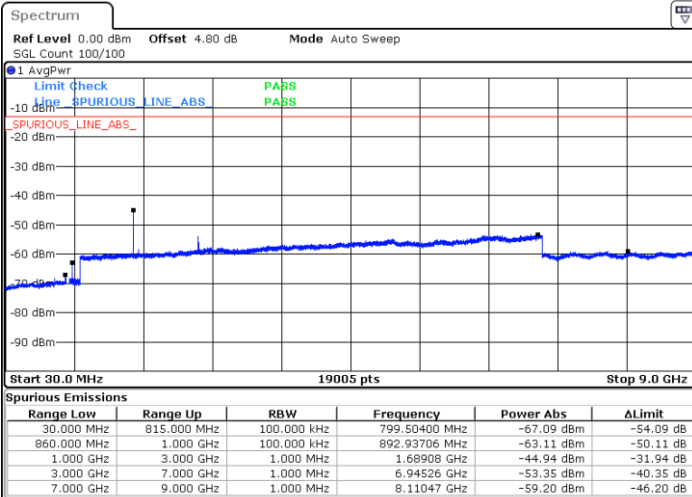


Date: 20 DEC.2020 00:44:03



Date: 20 DEC.2020 00:48:38

Highest Channel / 1RB1



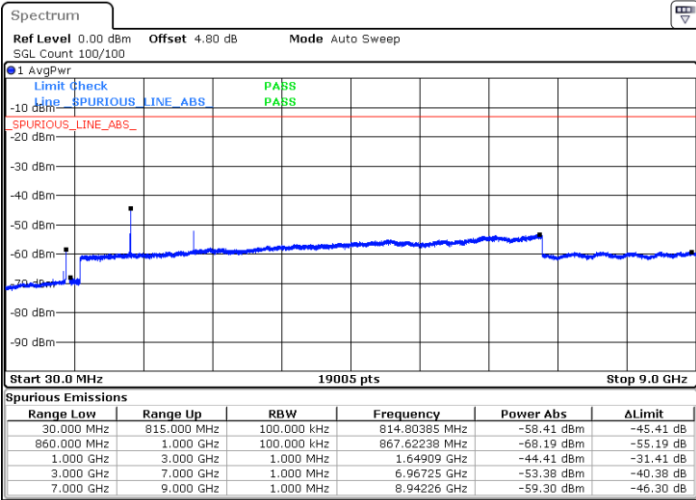
Date: 20 DEC.2020 00:50:46



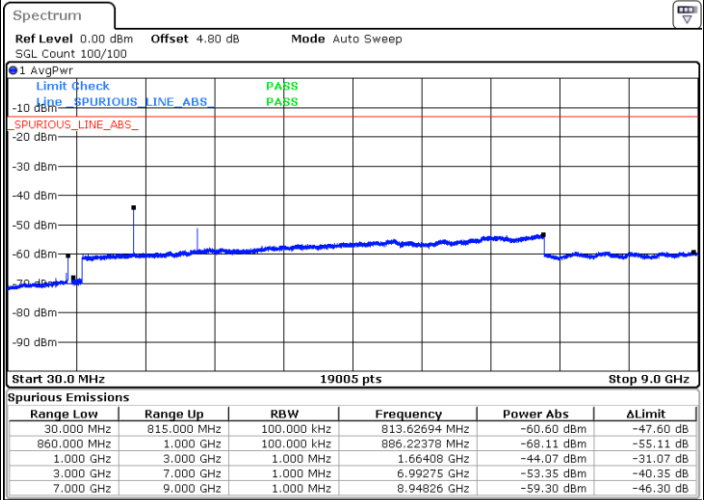
FR1 n5/ 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

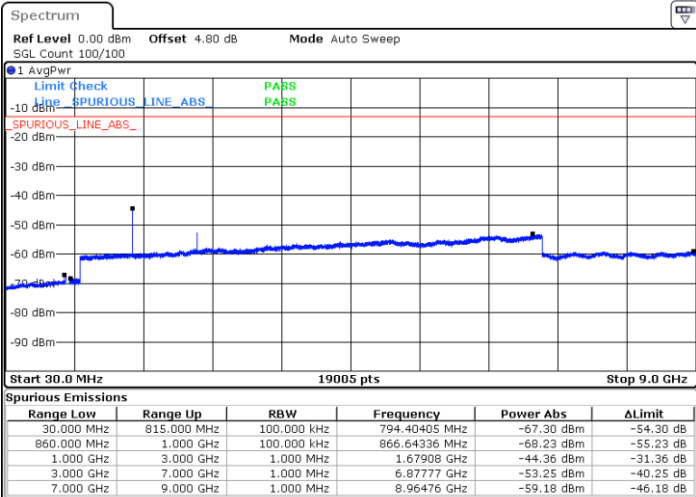


Date: 20 DEC.2020 01:20:04



Date: 20 DEC.2020 01:21:23

Highest Channel / 1RB1



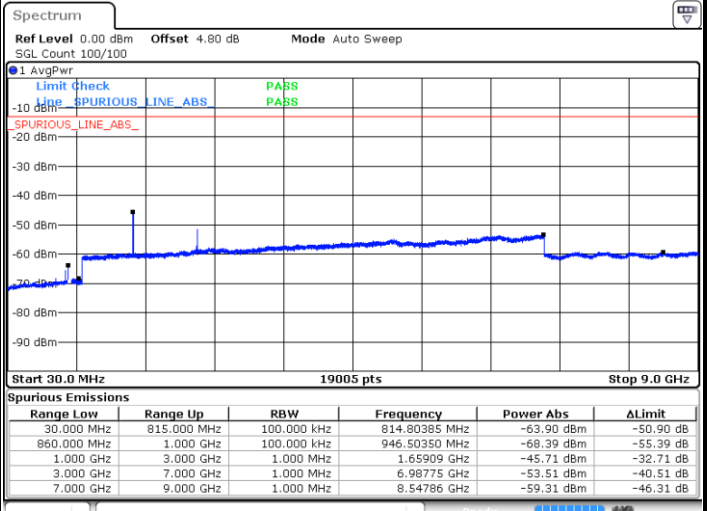
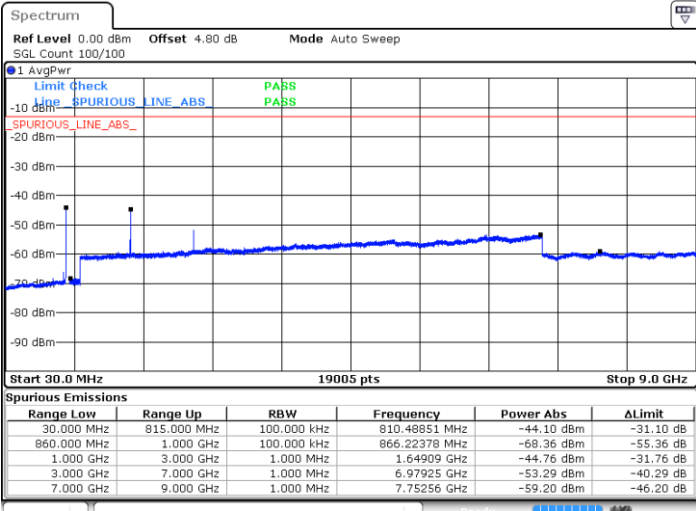
Date: 20 DEC.2020 01:23:16



FR1 n5 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

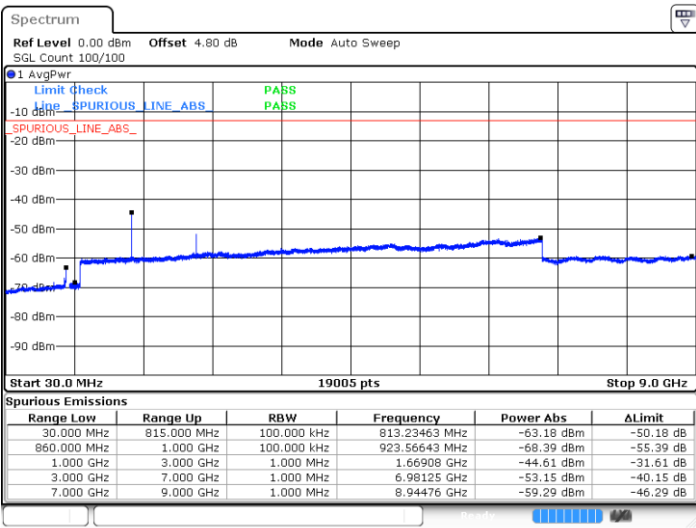
Middle Channel / 1RB1



Date: 20 DEC.2020 02:03:07

Date: 20 DEC.2020 02:05:02

Highest Channel / 1RB1

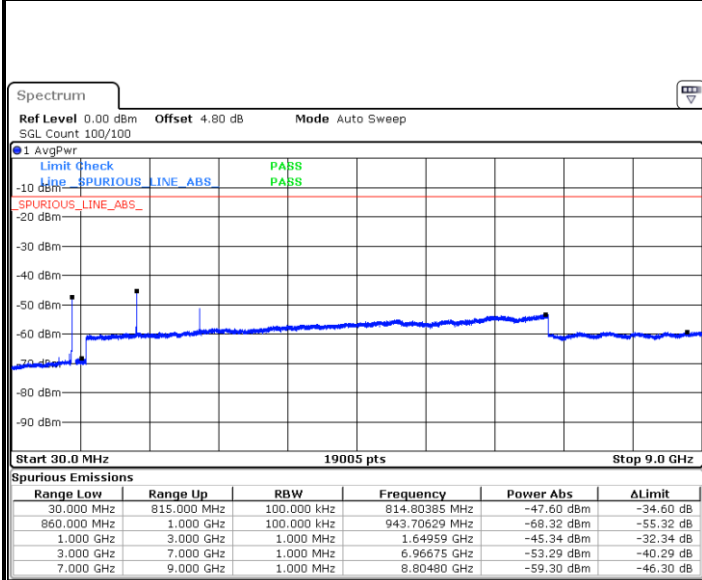


Date: 20 DEC.2020 02:06:37



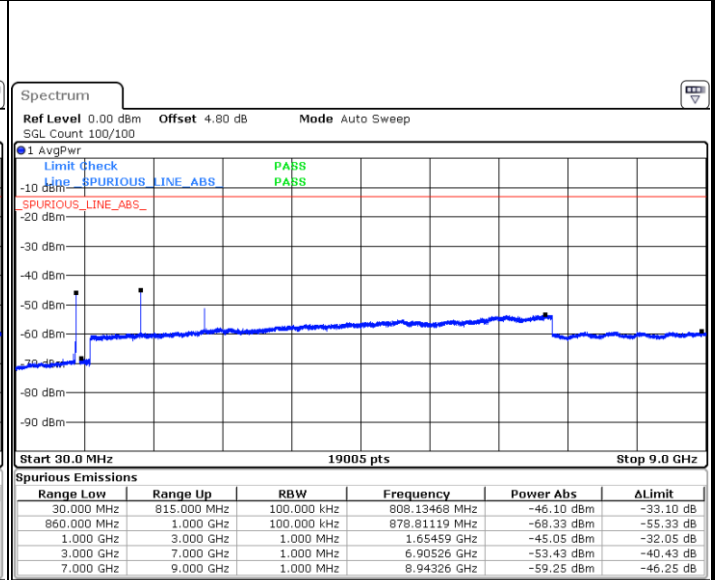
FR1 n5 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



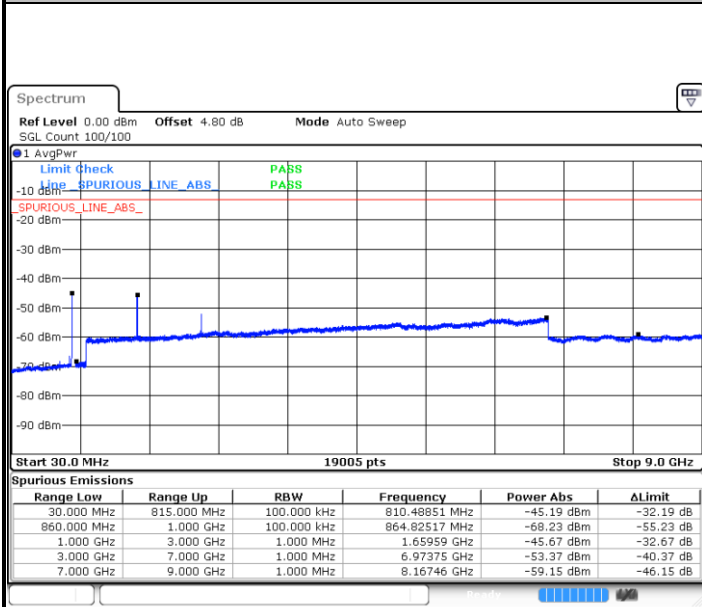
Date: 20 DEC.2020 02:28:30

Middle Channel / 1RB1



Date: 20 DEC.2020 02:30:35

Highest Channel / 1RB1



Date: 20 DEC.2020 02:45:57



Frequency Stability

Test Conditions		FR1 n5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0052	
30	Normal Voltage	0.0073	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0032	
0	Normal Voltage	0.0063	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0055	
-30	Normal Voltage	0.0044	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0092	

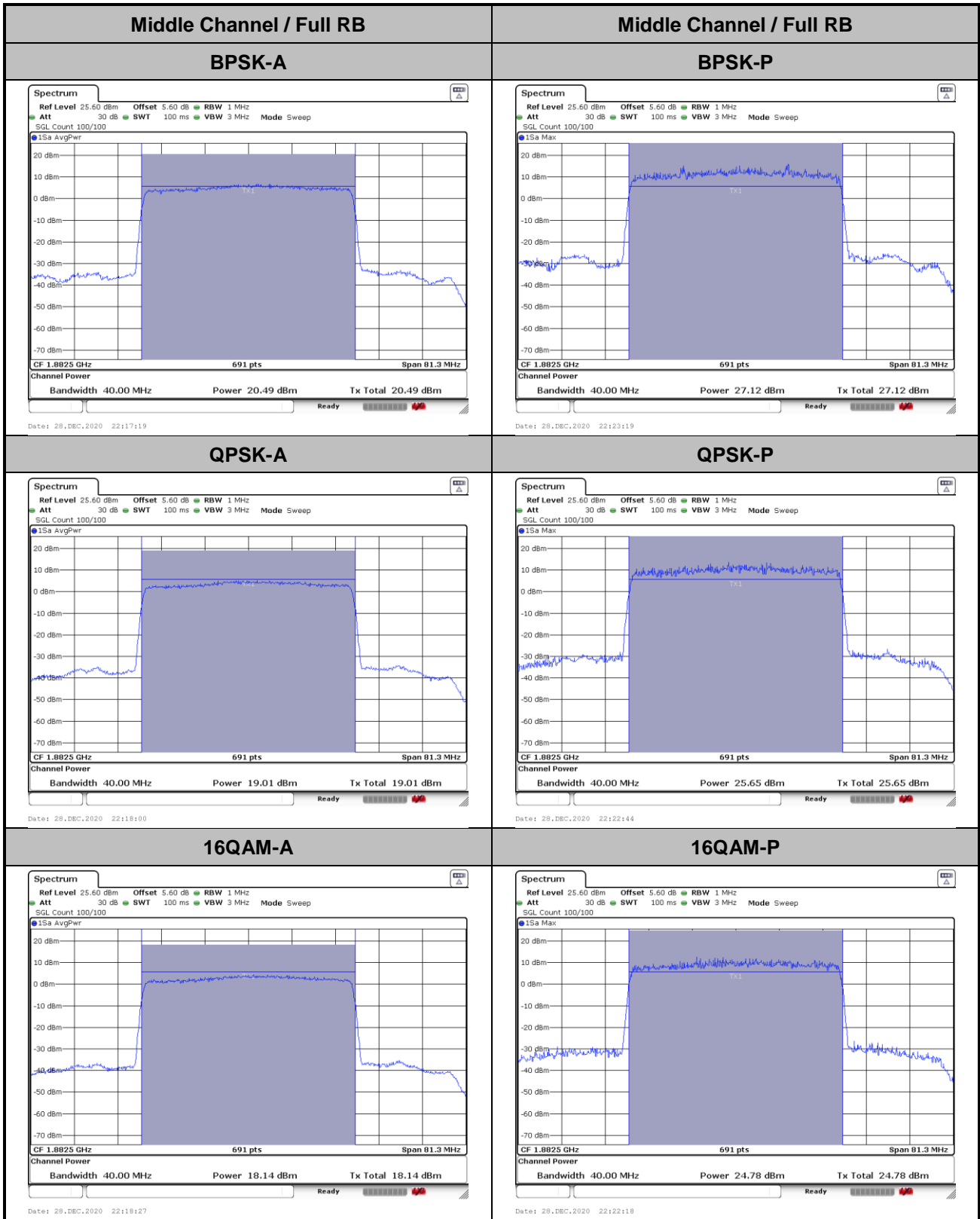
Note: Normal Voltage =7.74 V. ; Battery End Point (BEP) =7.3 V. ; Maximum Voltage =8.7 V.

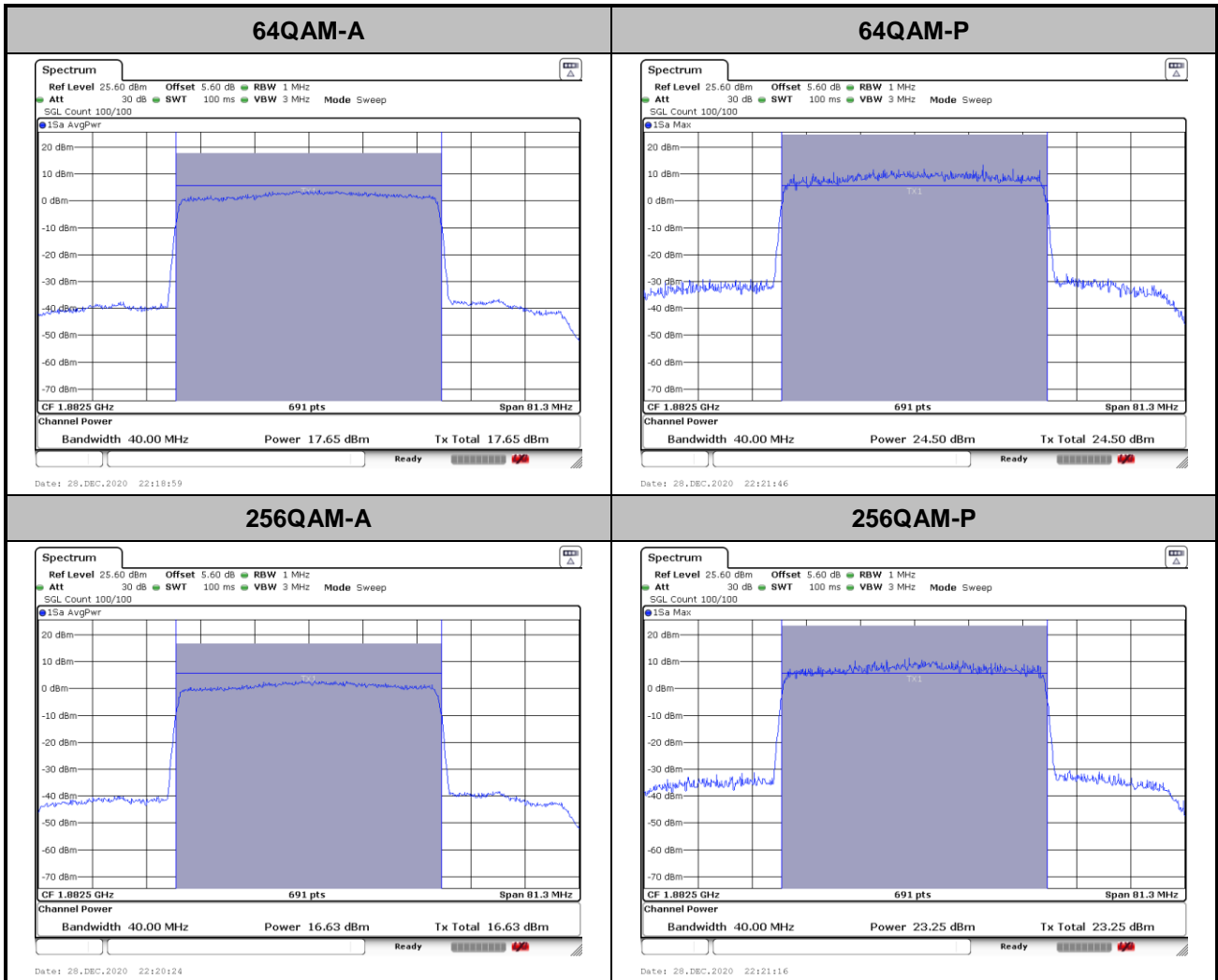


FR1 n25

Peak-to-Average Ratio

Mode	FR1 n25 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
					PASS
Middle CH	6.63	6.64	6.64	6.85	
Mode	FR1 n25 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
					PASS
Middle CH	6.62				

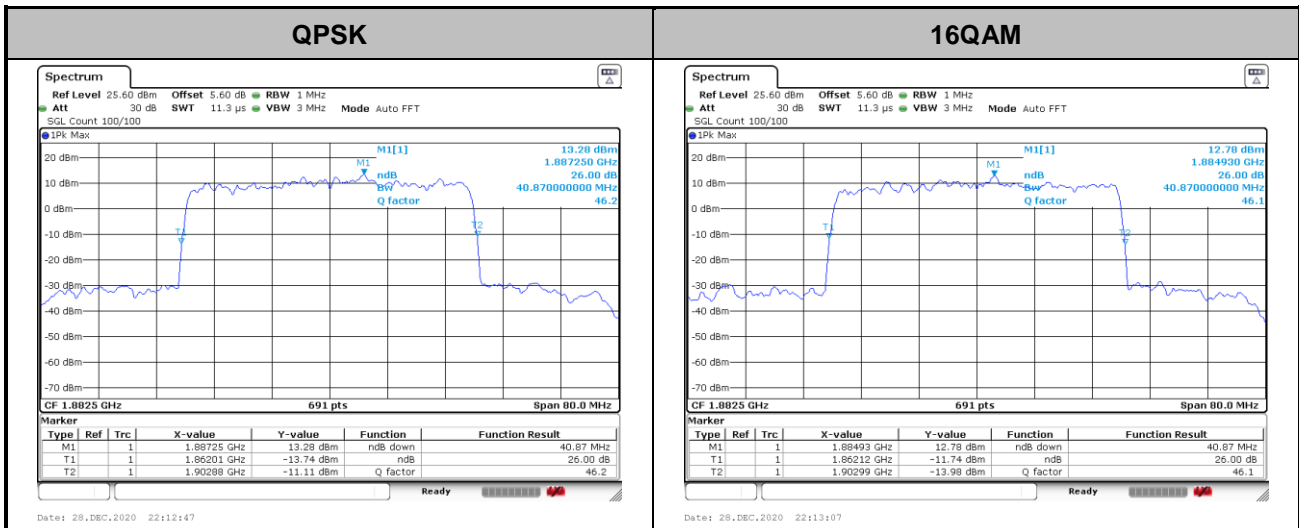






26dB Bandwidth

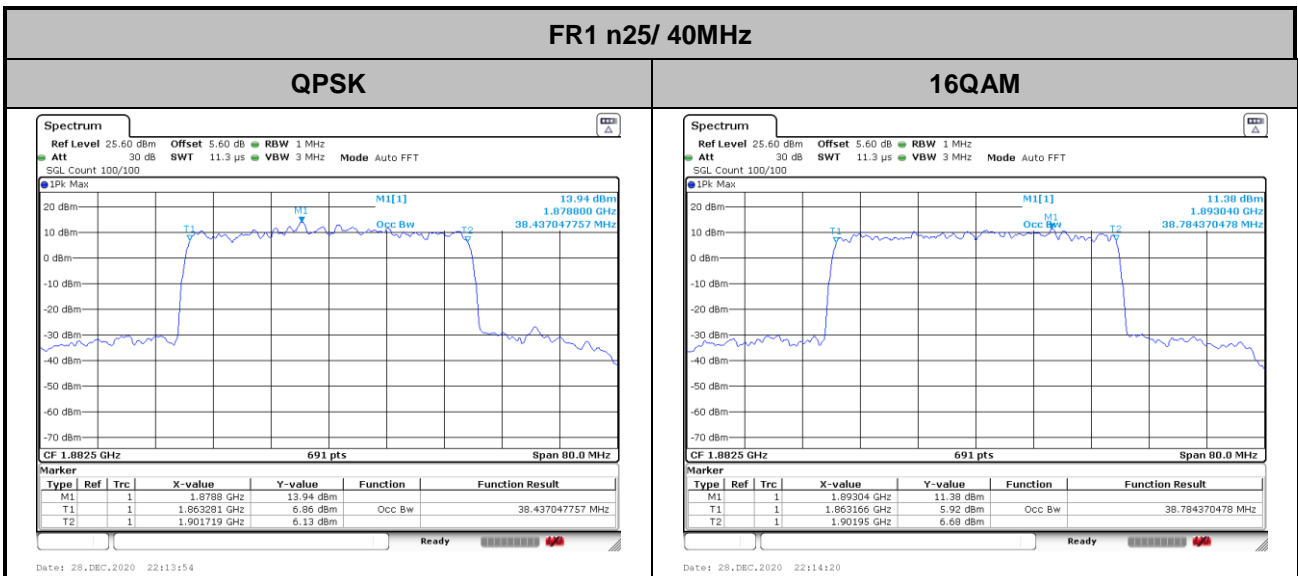
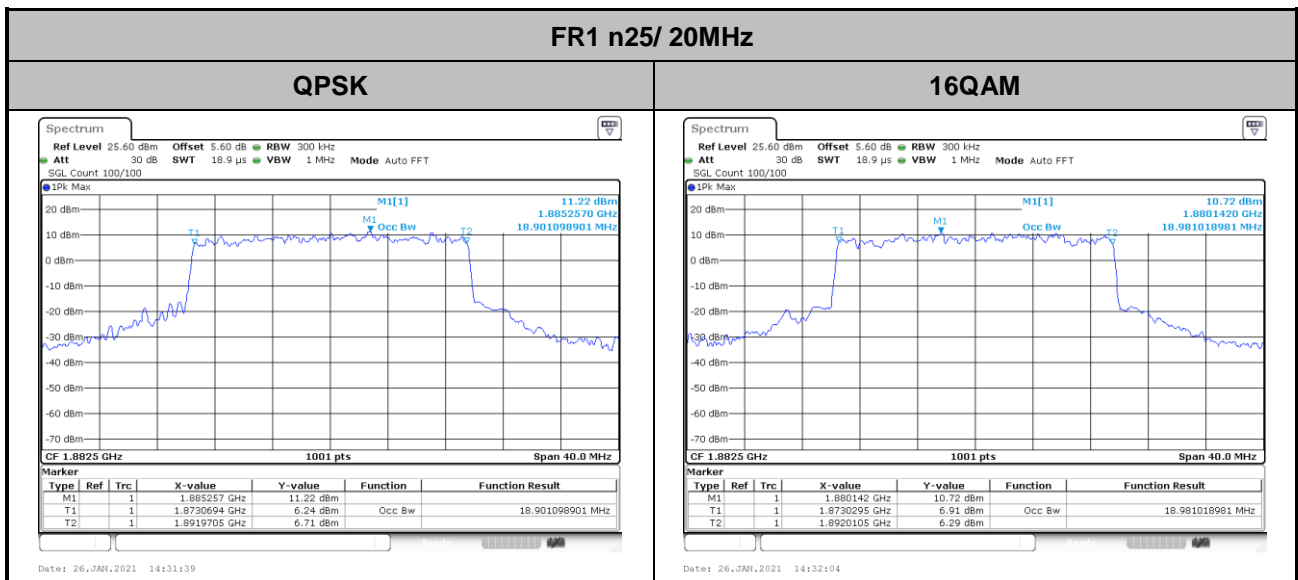
Mode	FR1 n25 : 26dB BW(MHz) / DFT-S OFDM						
BW	40M						
Mod.	QPSK	16QAM					
Middle CH	40.87	40.87					





Occupied Bandwidth

Mode	FR1 n25 : 99%OBW(MHz) / DFT-S OFDM					
BW	20M			40M		
Mod.	QPSK	16QAM		QPSK	16QAM	
Middle CH	18.90	18.98		38.437	38.784	





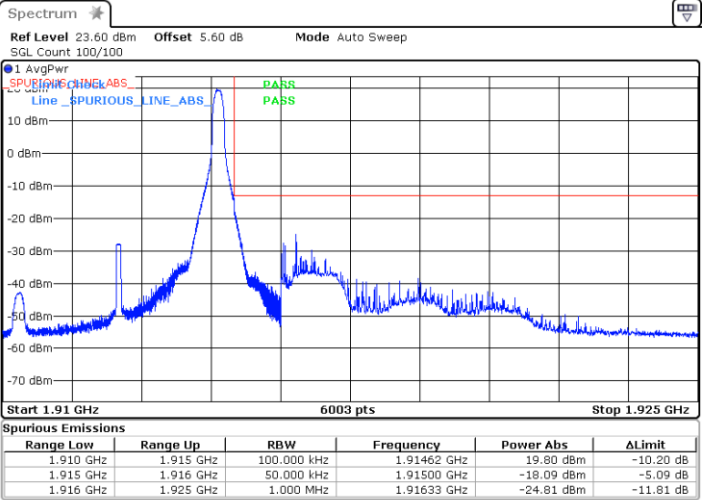
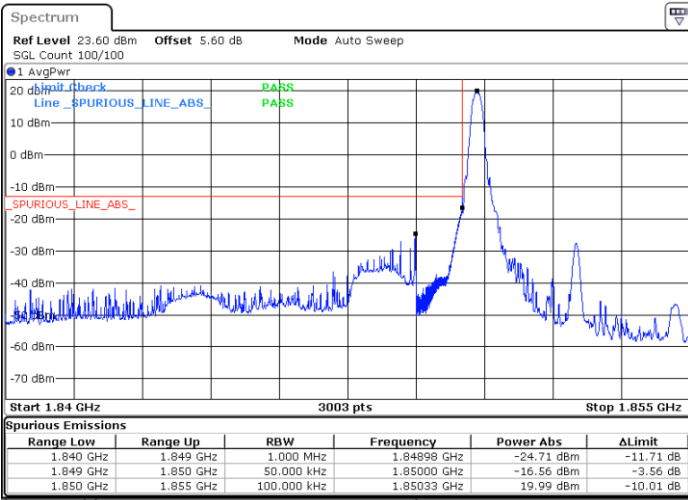
Conducted Band Edge



FR1 n25 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

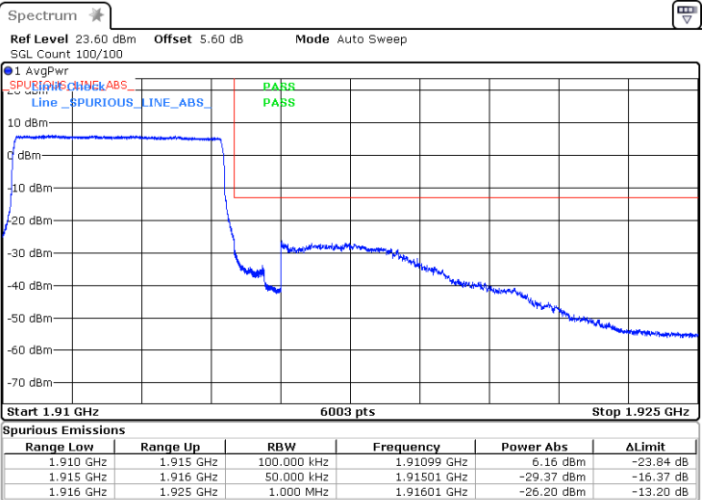
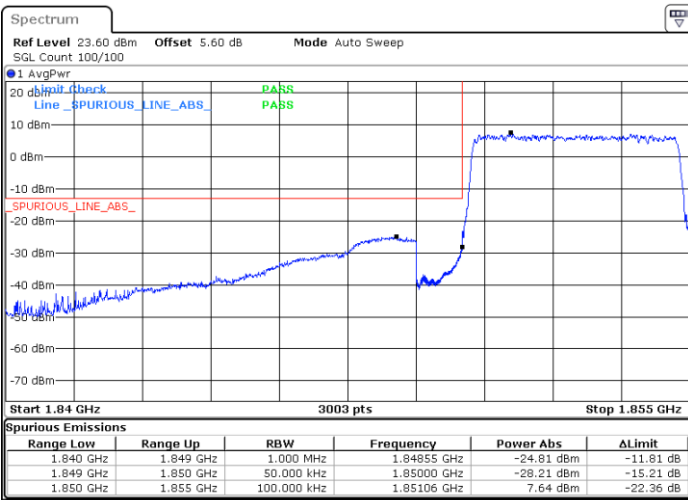


Date: 20 DEC 2020 13:32:06

Date: 20 DEC 2020 14:07:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20 DEC 2020 13:27:24

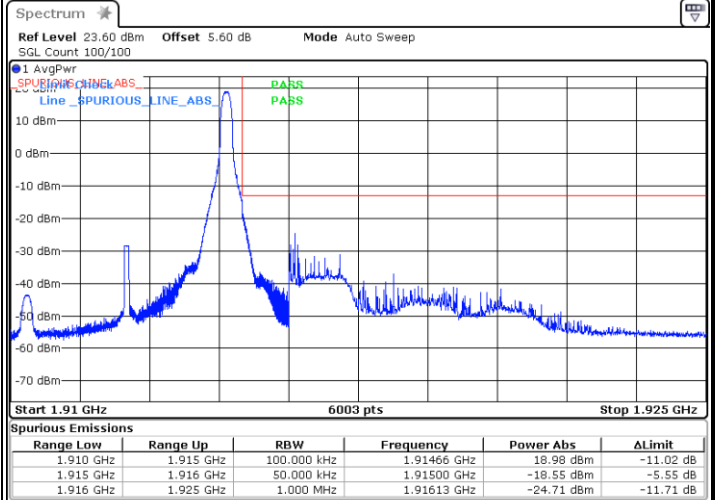
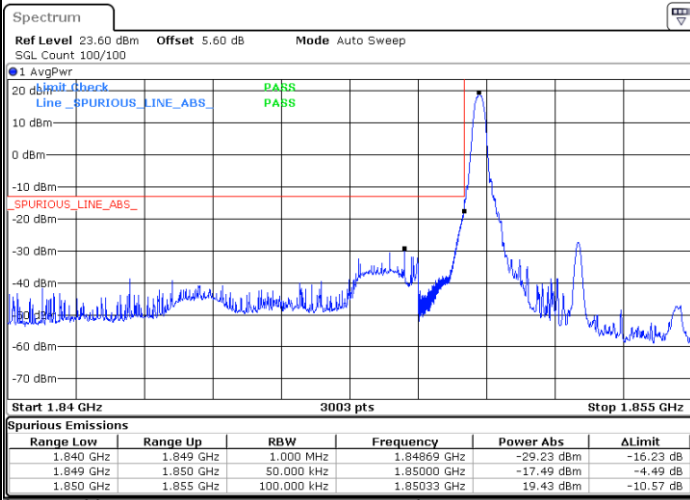
Date: 20 DEC 2020 13:43:54



FR1 n25 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

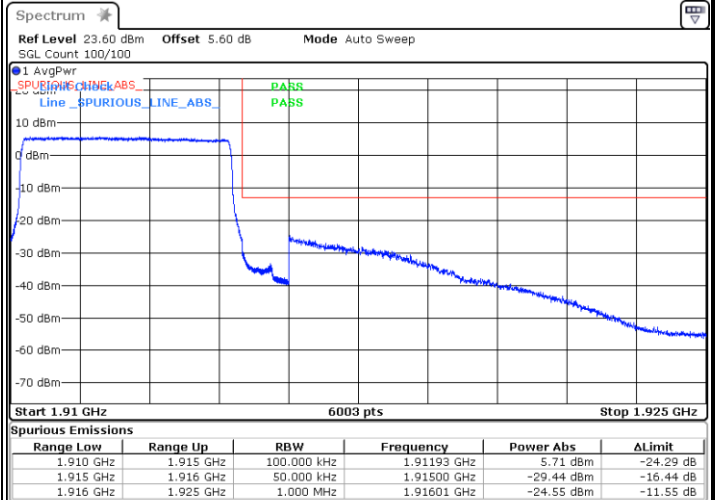
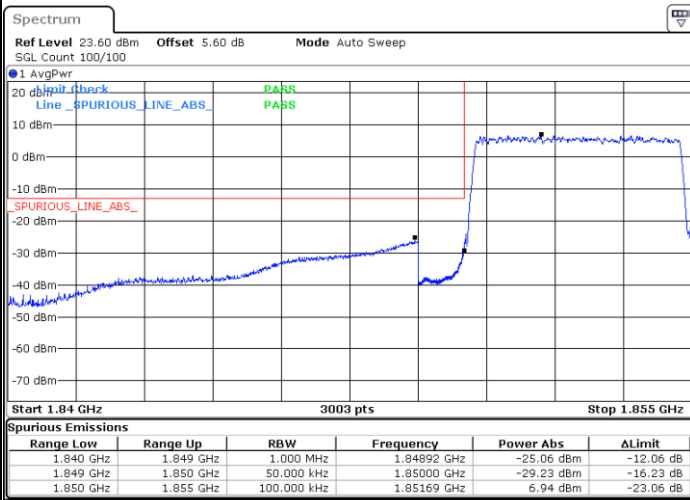


Date: 20 DEC 2020 13:33:31

Date: 20 DEC 2020 14:07:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20 DEC 2020 13:27:50

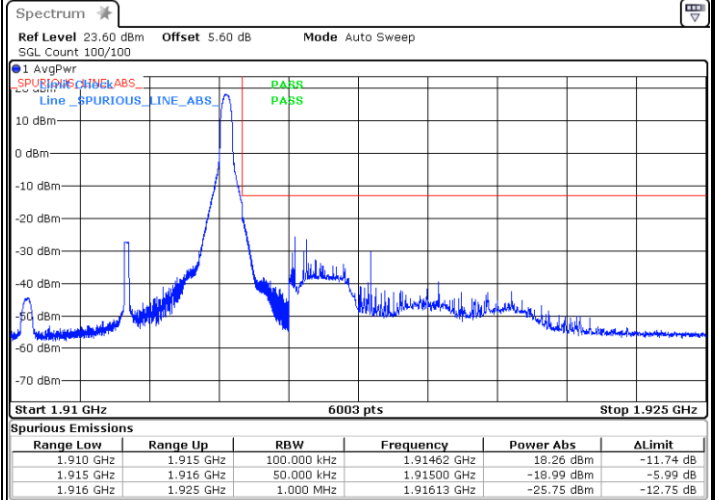
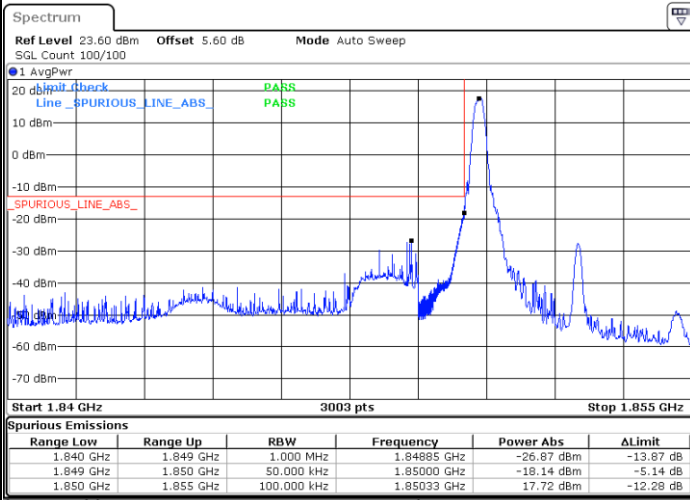
Date: 20 DEC 2020 13:43:05



FR1 n25 / 5MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

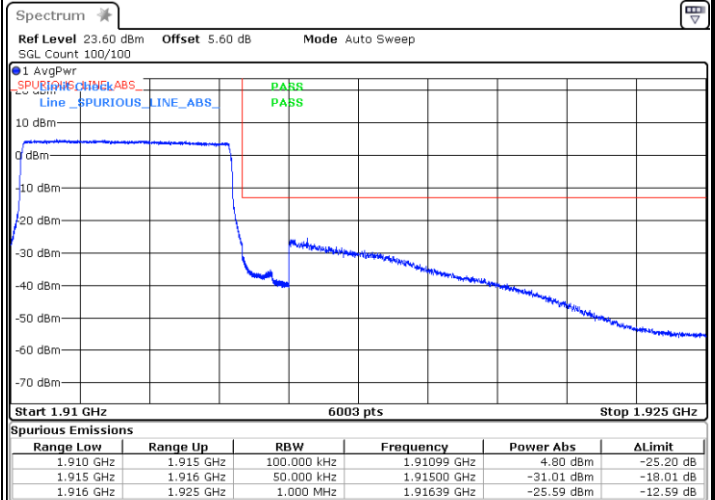
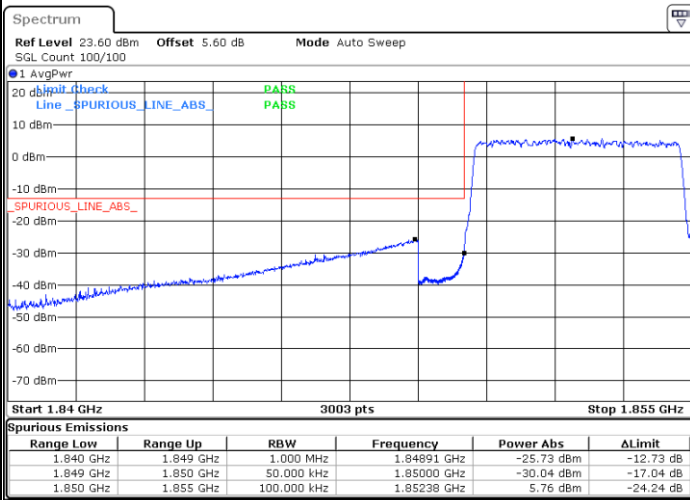


Date: 20 DEC 2020 13:35:29

Date: 20 DEC 2020 14:08:05

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20 DEC 2020 13:28:17

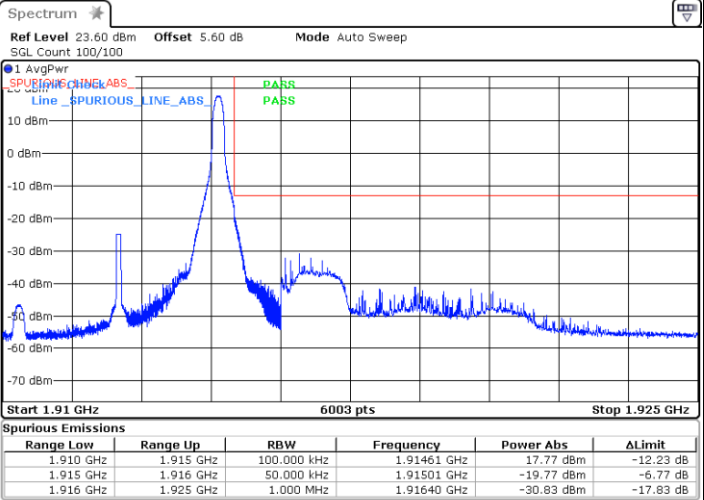
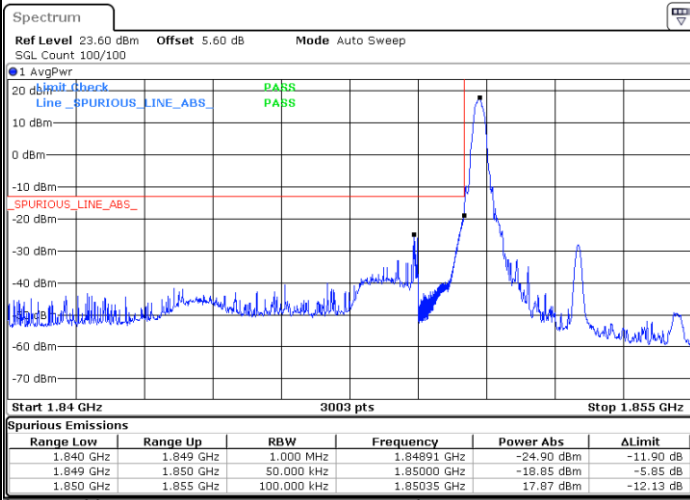
Date: 20 DEC 2020 13:44:40



FR1 n25 / 5MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

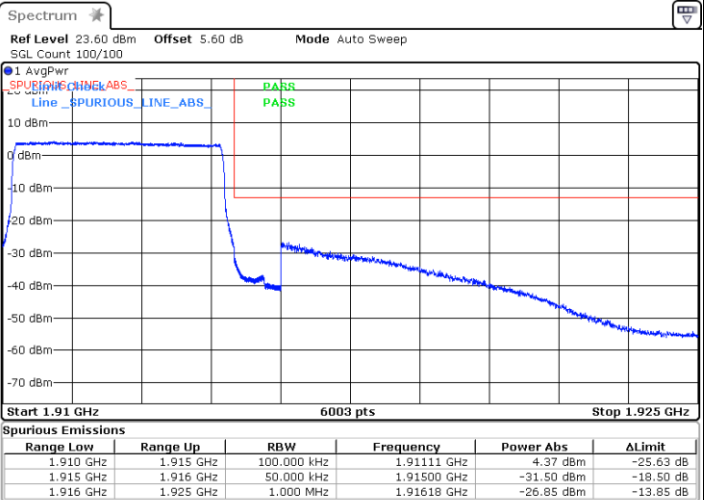
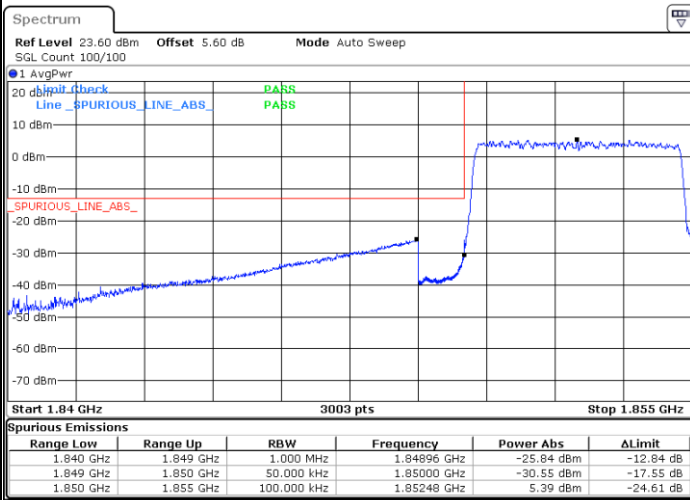


Date: 20 DEC 2020 13:36:22

Date: 20 DEC 2020 14:08:41

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20 DEC 2020 13:30:21

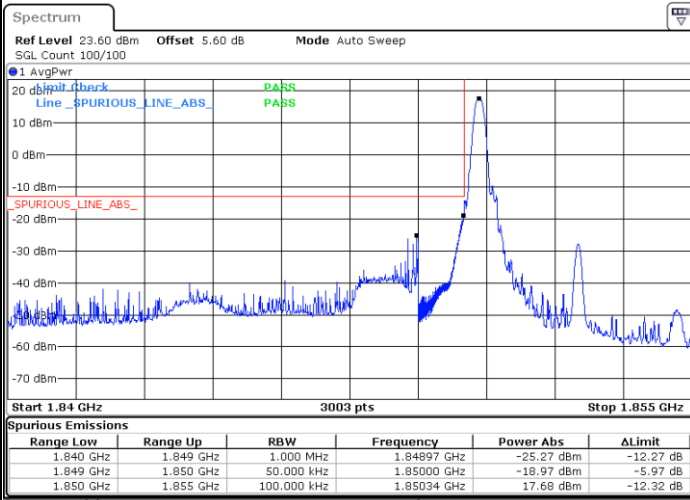
Date: 20 DEC 2020 13:45:20



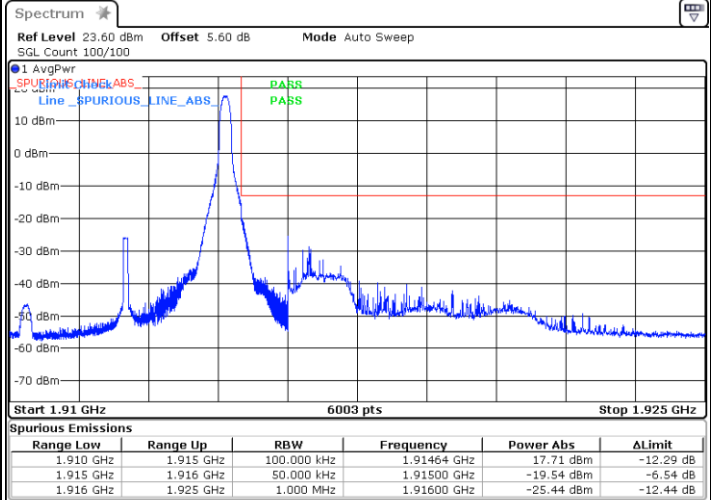
FR1 n25 / 5MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



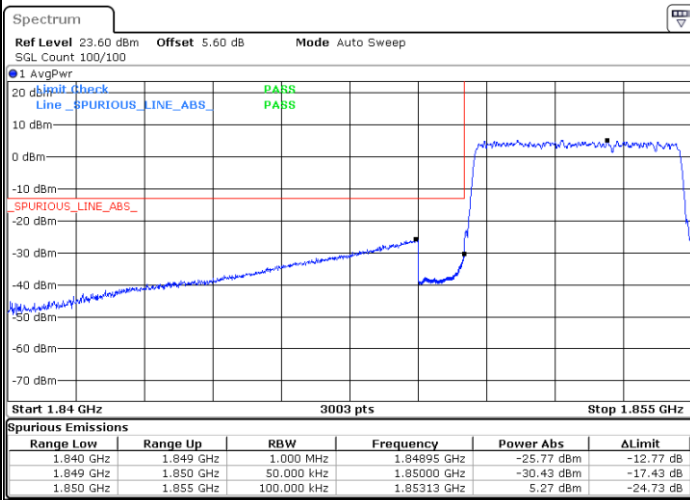
Date: 20 DEC 2020 13:38:47



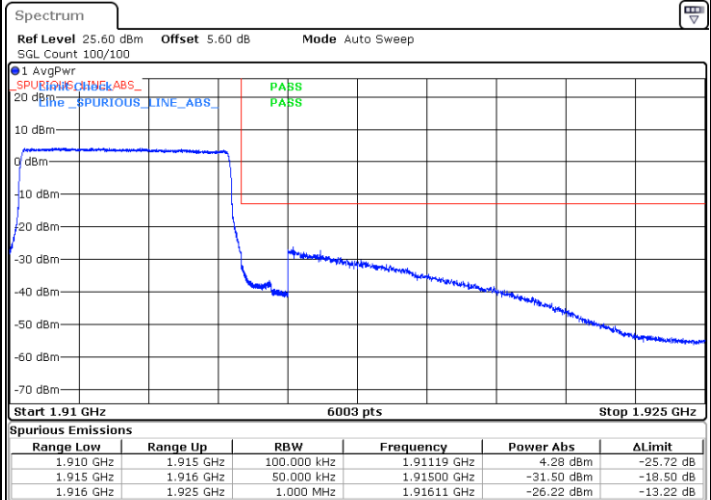
Date: 20 DEC 2020 14:09:26

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20 DEC 2020 13:31:10



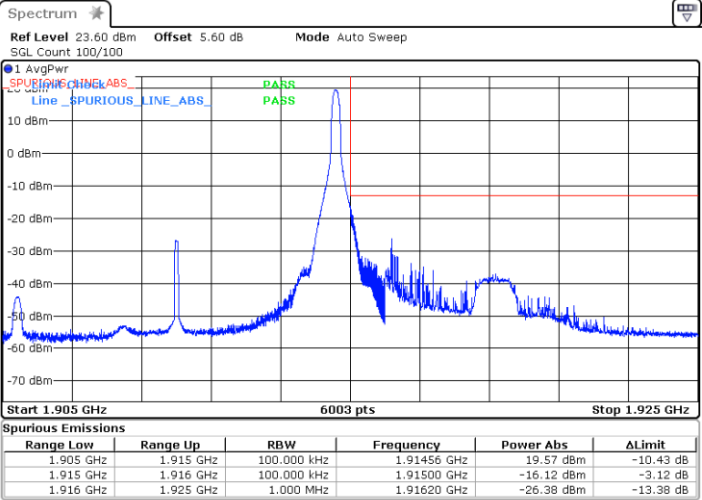
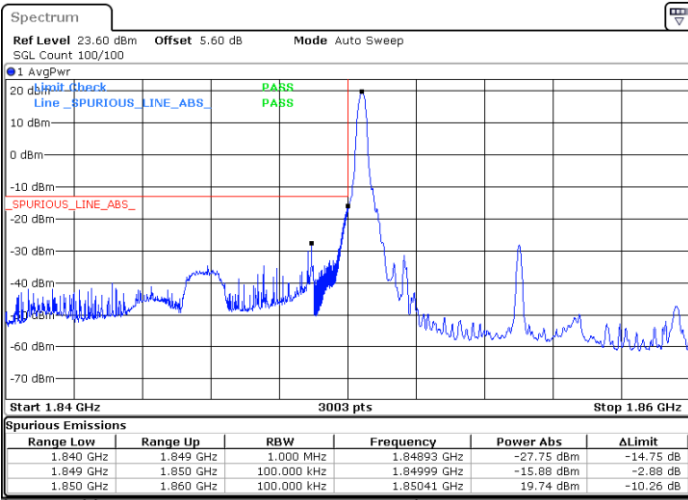
Date: 20 DEC 2020 13:46:13



FR1 n25 / 10MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

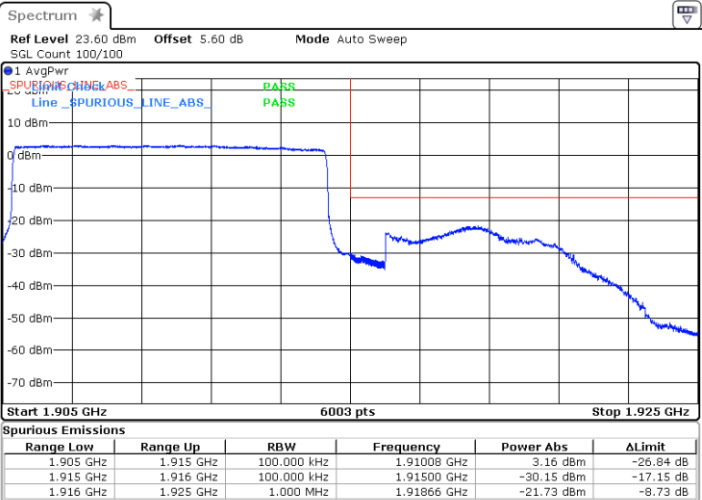
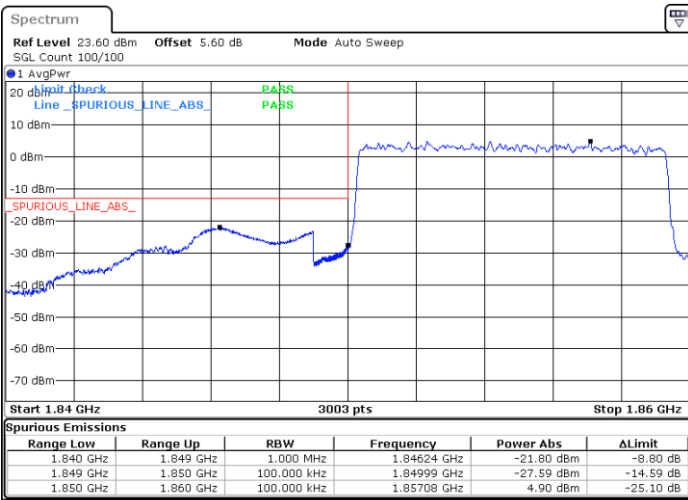


Date: 20 DEC 2020 14:16:26

Date: 20 DEC 2020 14:22:11

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20 DEC 2020 14:10:42

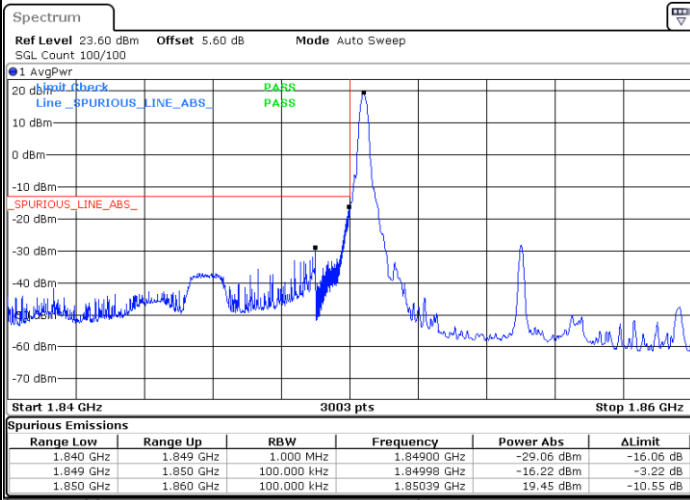
Date: 20 DEC 2020 14:18:35



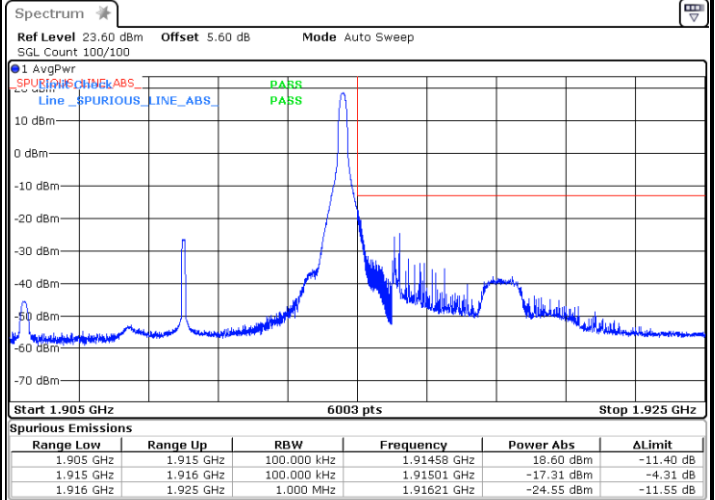
FR1 n25 / 10MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



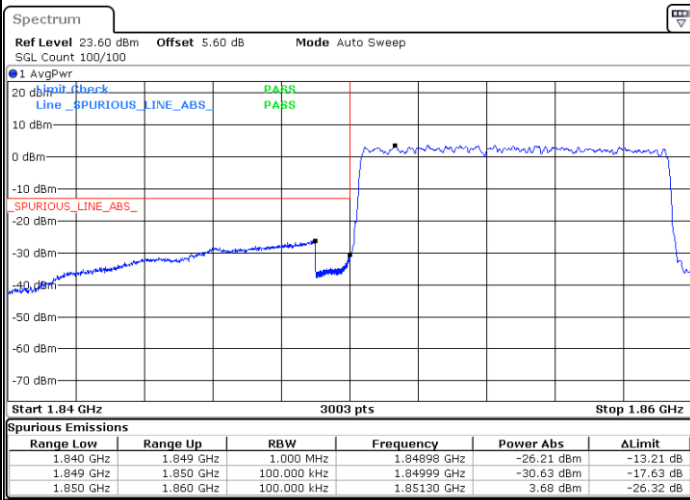
Date: 20 DEC 2020 14:16:38



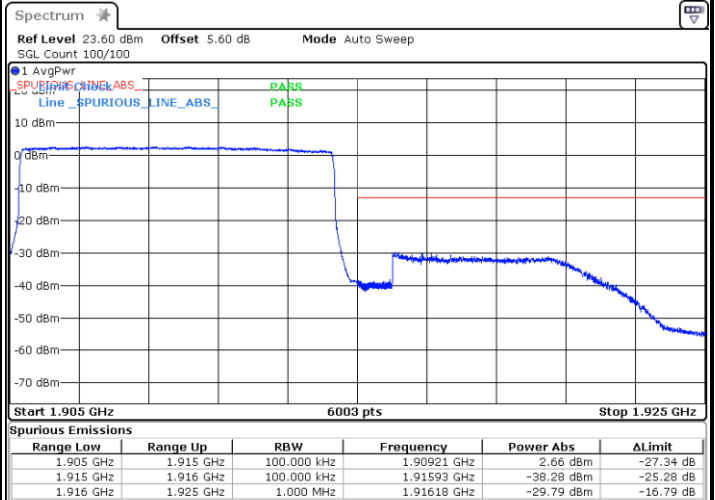
Date: 20 DEC 2020 14:22:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20 DEC 2020 14:10:55



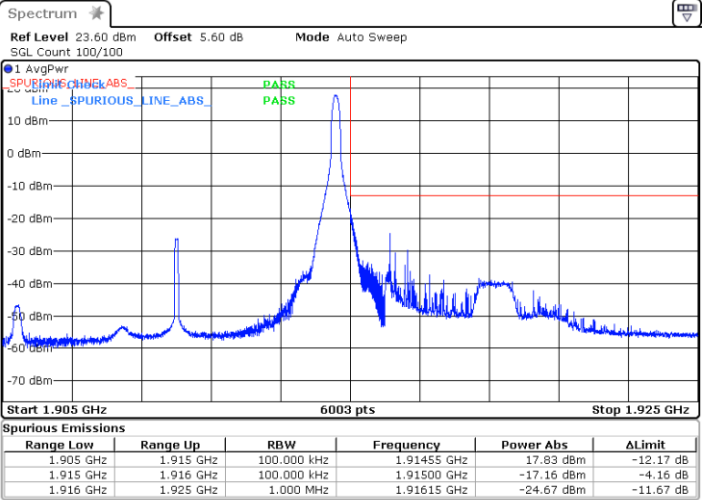
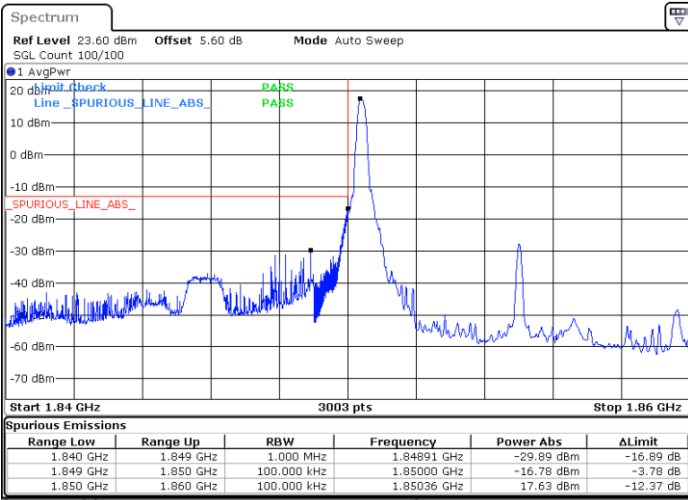
Date: 20 DEC 2020 14:19:13



FR1 n25 / 10MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

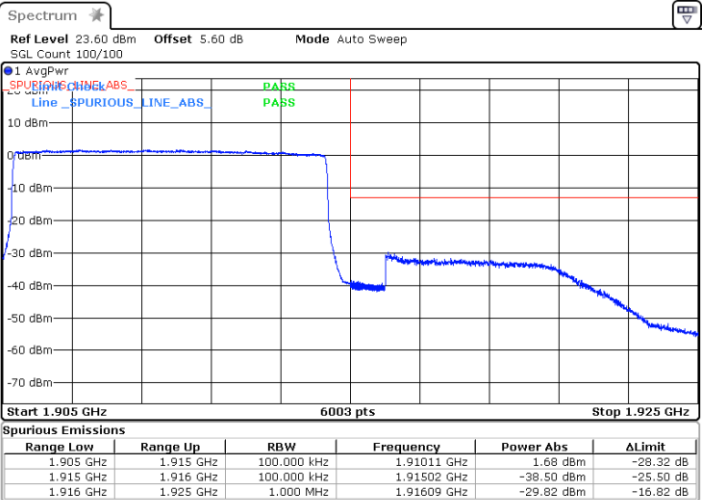
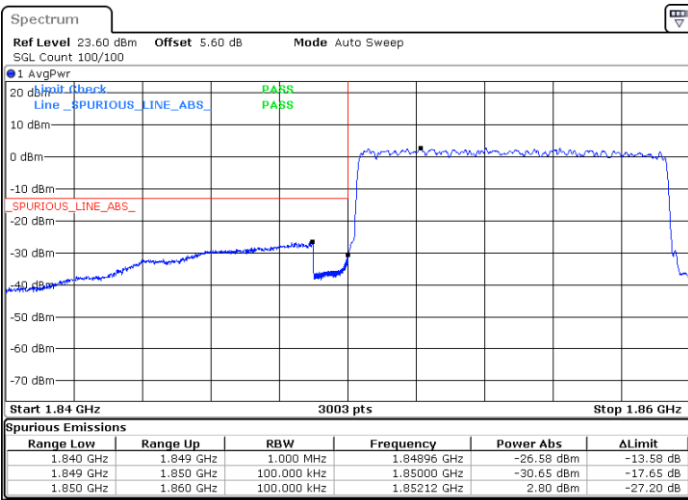


Date: 20 DEC 2020 14:16:51

Date: 20 DEC 2020 14:23:27

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20 DEC 2020 14:11:08

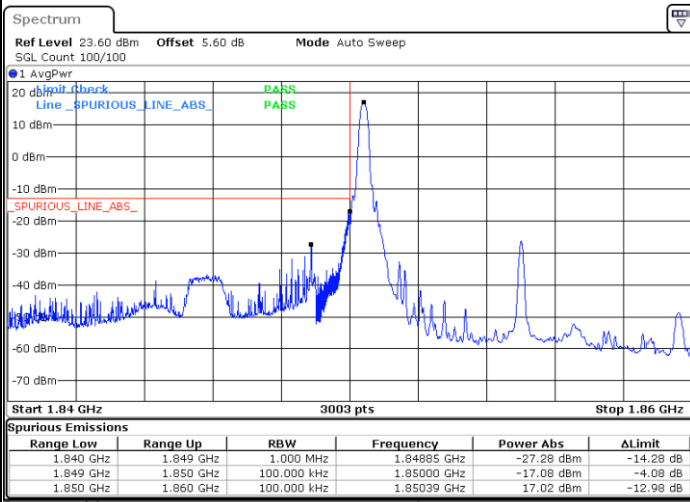
Date: 20 DEC 2020 14:20:08



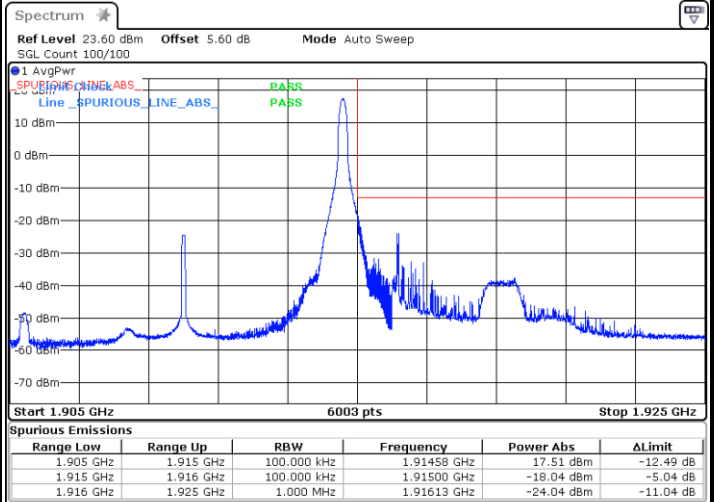
FR1 n25 / 10MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



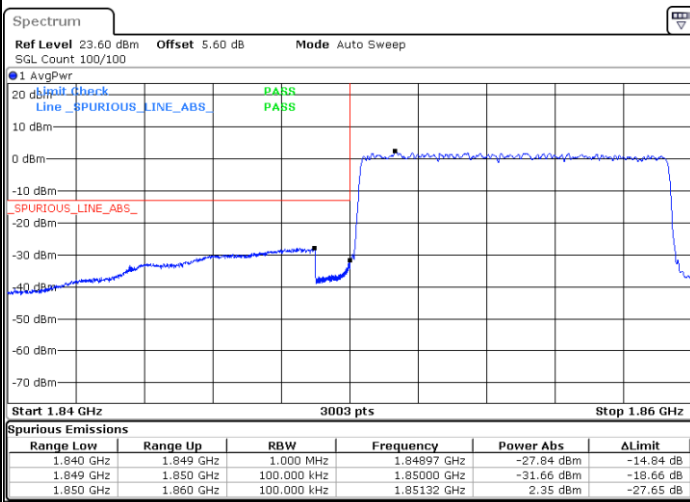
Date: 20 DEC 2020 14:17:05



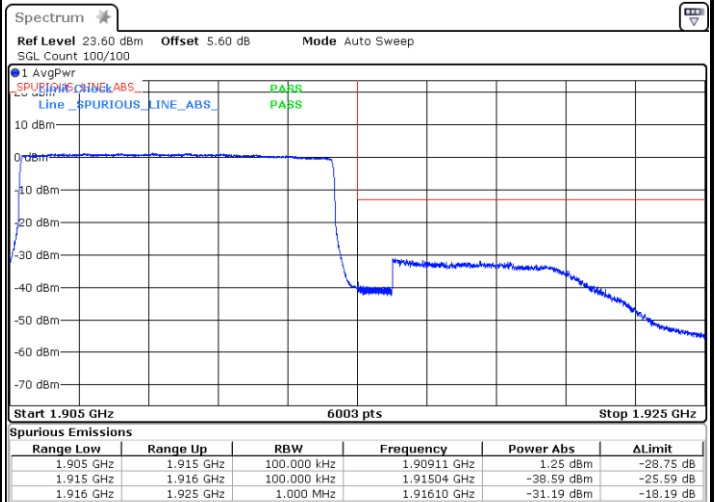
Date: 20 DEC 2020 14:24:08

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20 DEC 2020 14:11:21



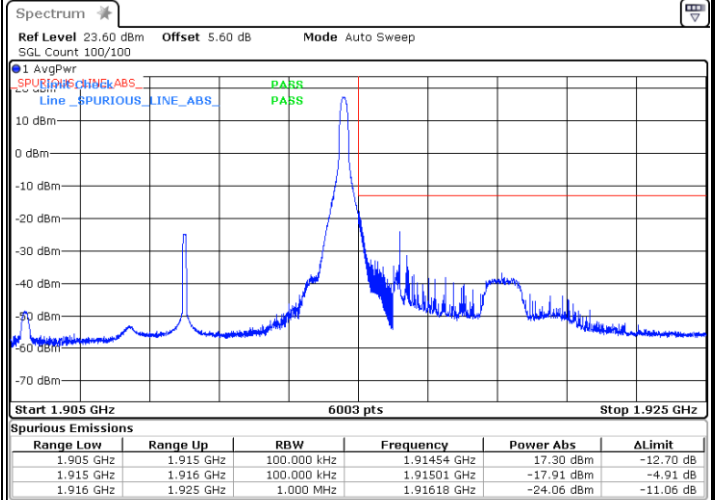
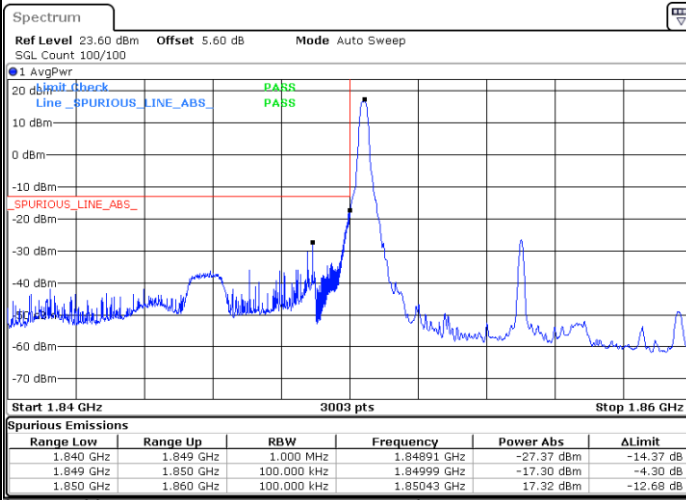
Date: 20 DEC 2020 14:25:47



FR1 n25 / 10MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

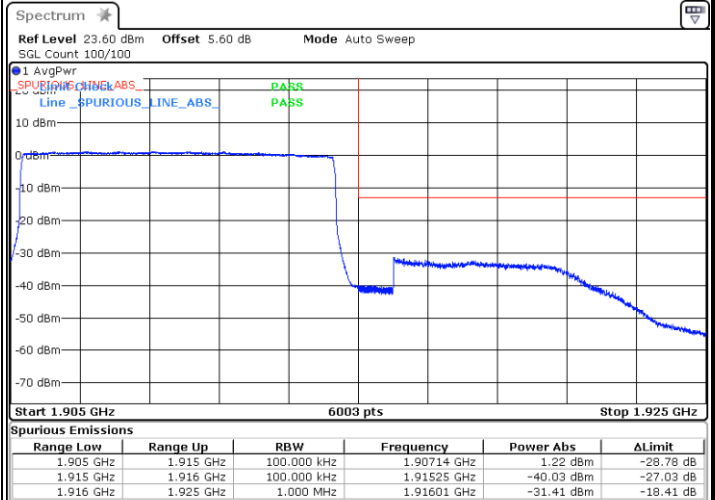
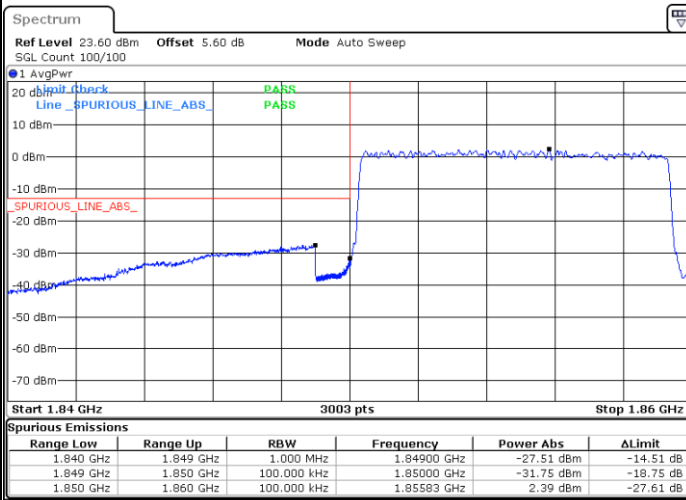


Date: 20 DEC 2020 14:17:18

Date: 20 DEC 2020 14:24:45

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 20 DEC 2020 14:11:35

Date: 20 DEC 2020 14:26:23