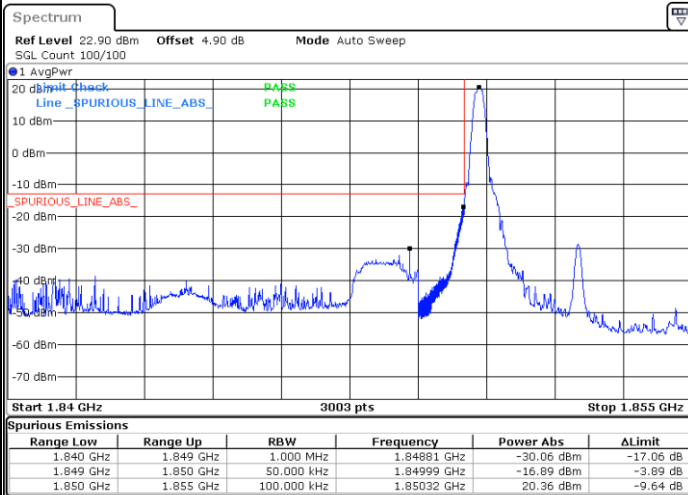


**Conducted Band Edge**

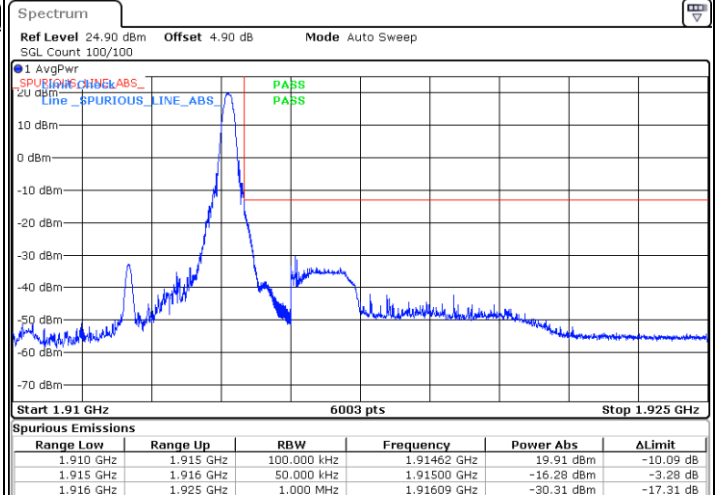
FR1 n25 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



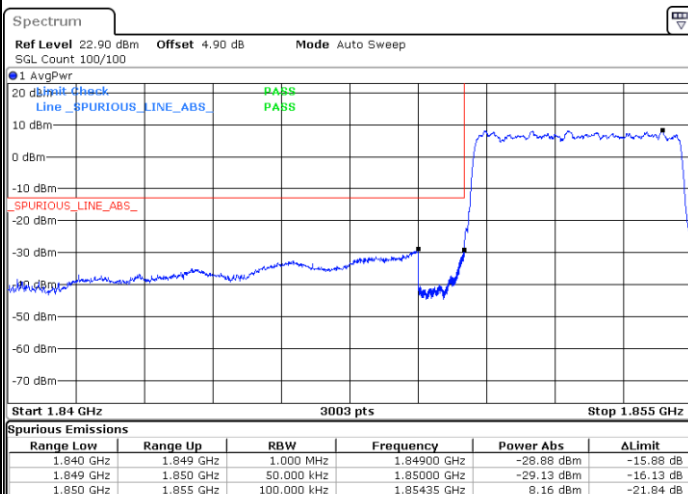
Date: 25.JAN.2021 06:32:23



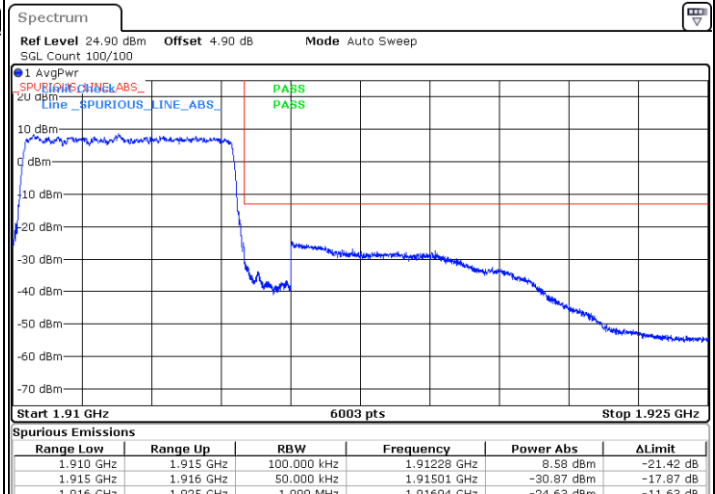
Date: 25.JAN.2021 07:02:26

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.JAN.2021 06:44:32



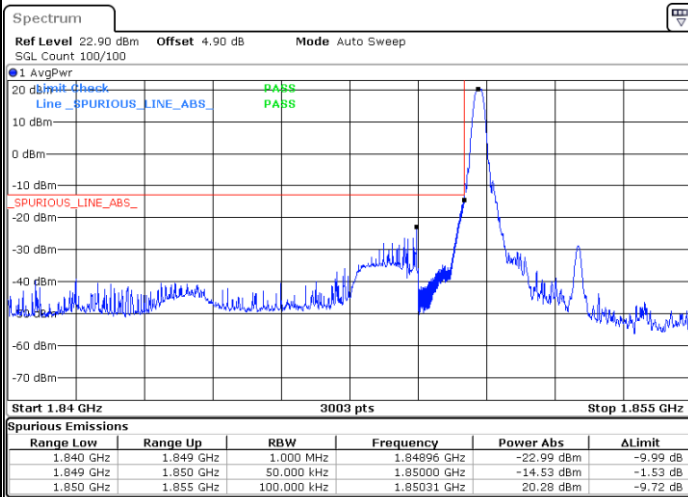
Date: 25.JAN.2021 06:56:54



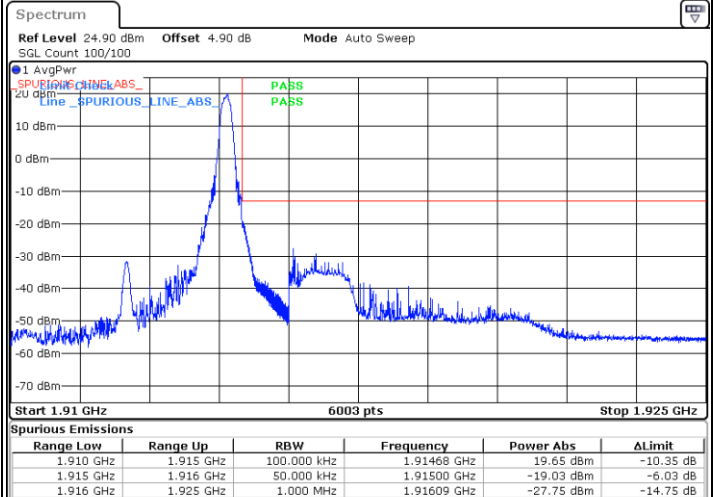
FR1 n25 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



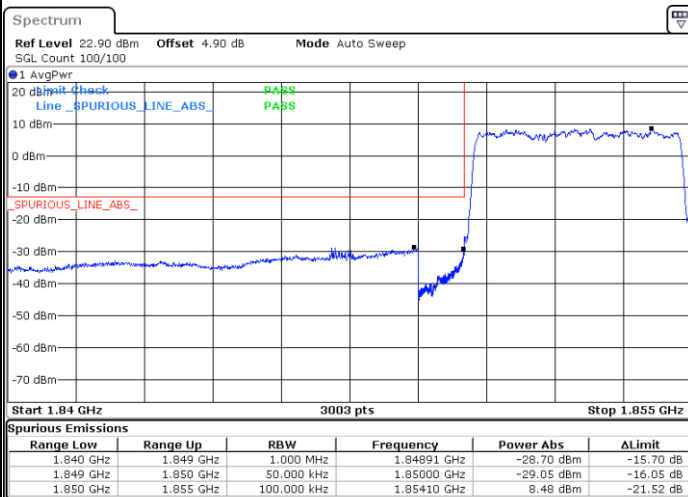
Date: 25.JAN.2021 06:34:46



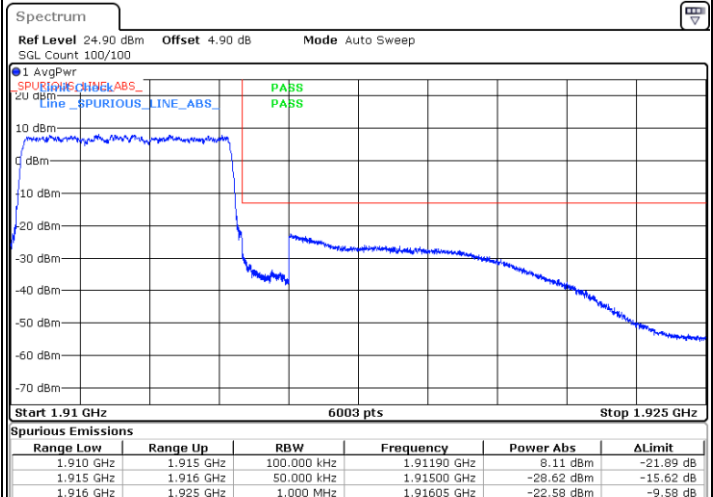
Date: 25.JAN.2021 07:04:00

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.JAN.2021 06:45:21



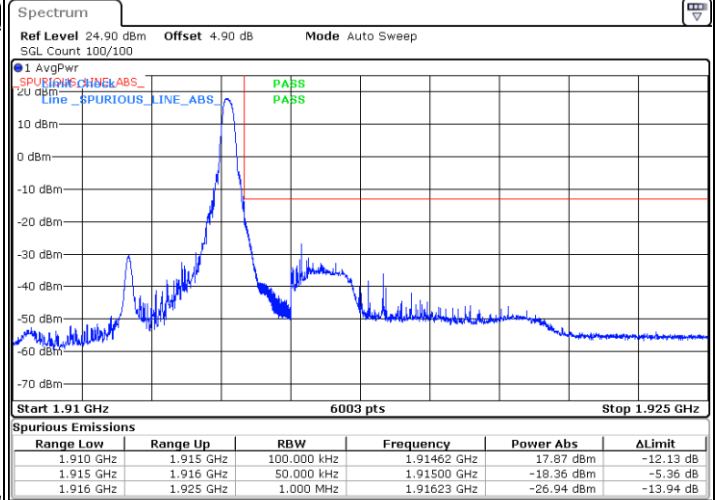
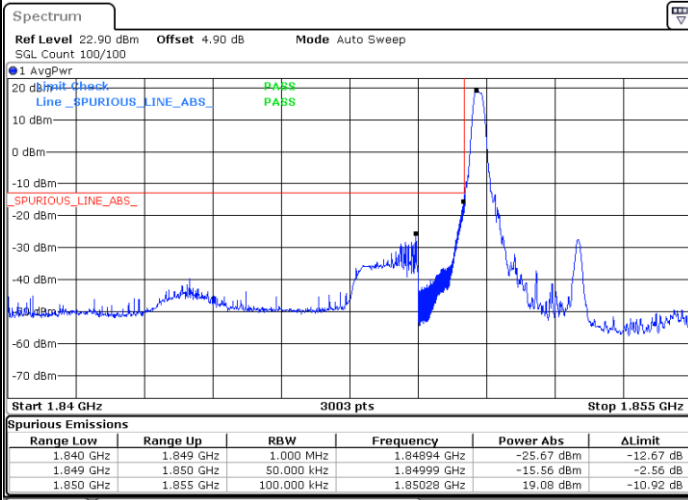
Date: 25.JAN.2021 06:57:23



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

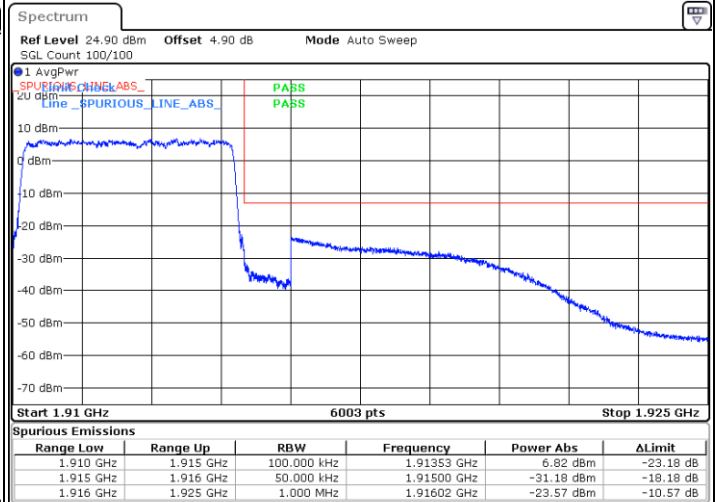
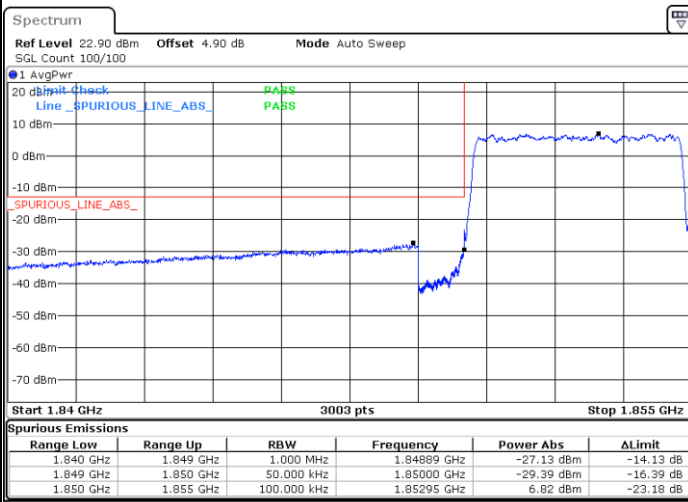
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

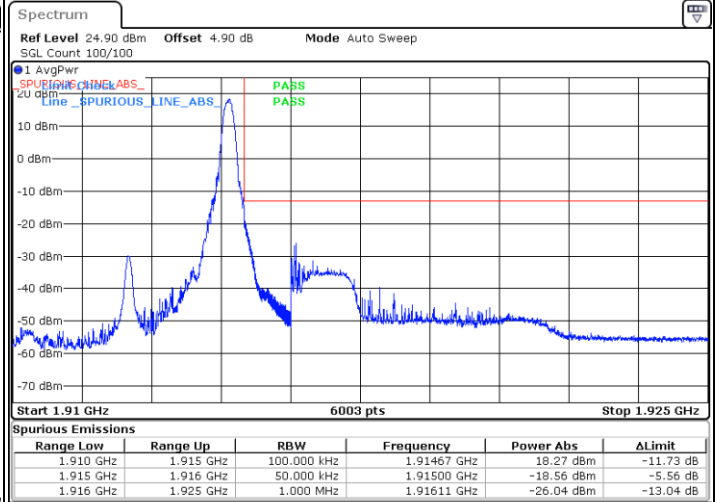
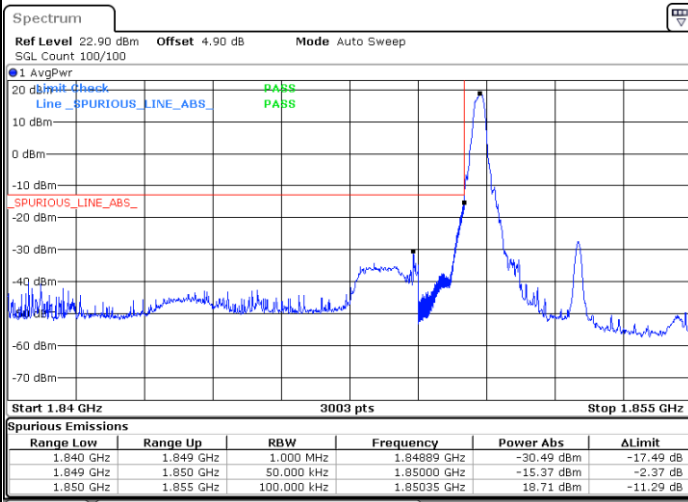




FR1 n25 / 5MHz / DFT-S OFDM / 64QAM

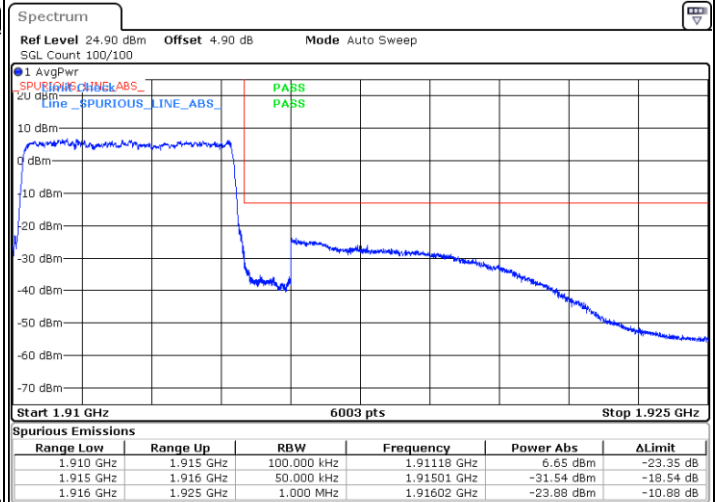
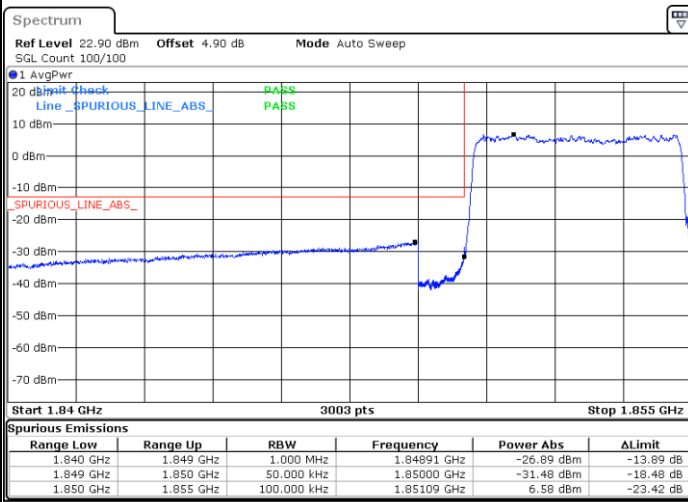
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

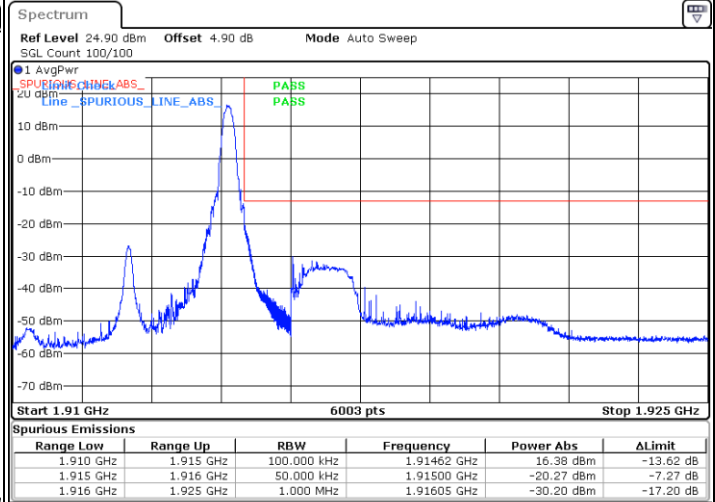
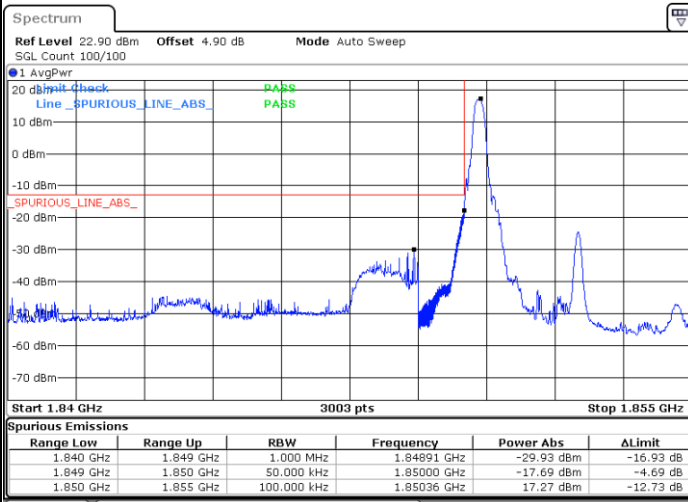




FR1 n25 / 5MHz / DFT-S OFDM / 256QAM

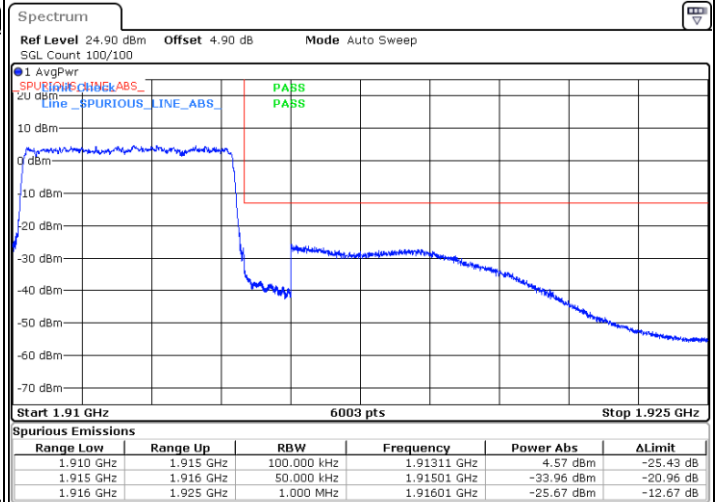
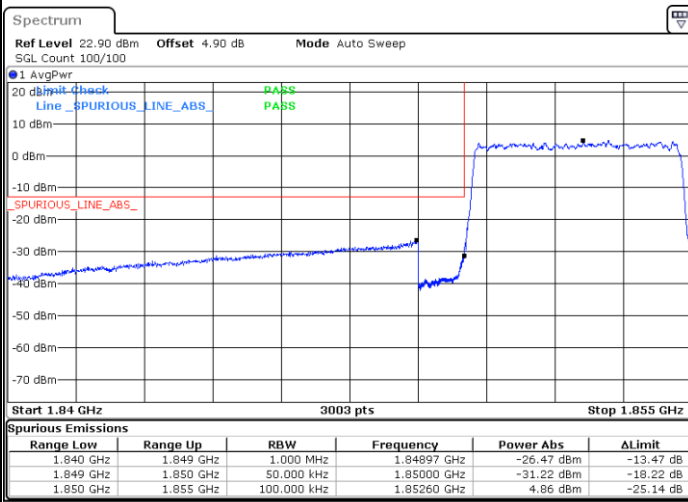
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

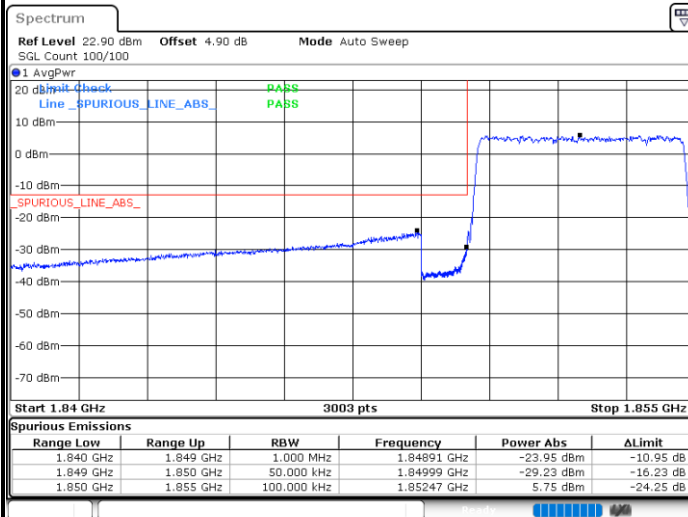
Highest Band Edge / Full RB



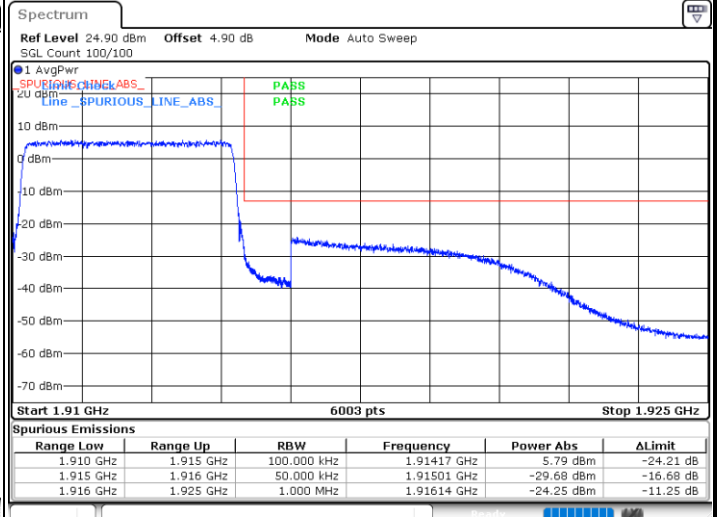


FR1 n25 / 5MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



Highest Band Edge

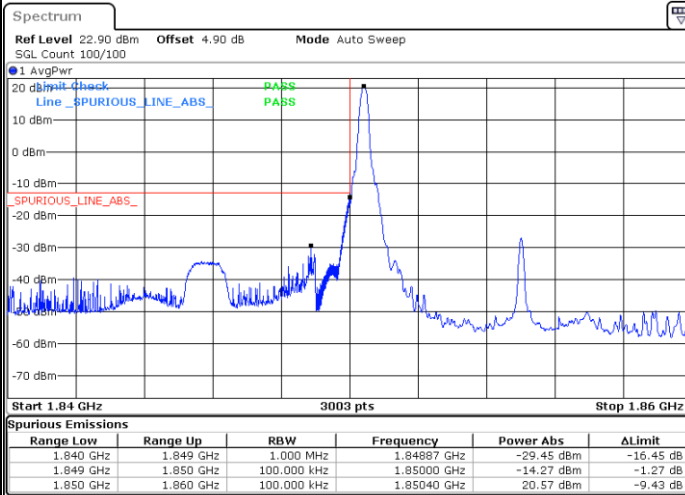




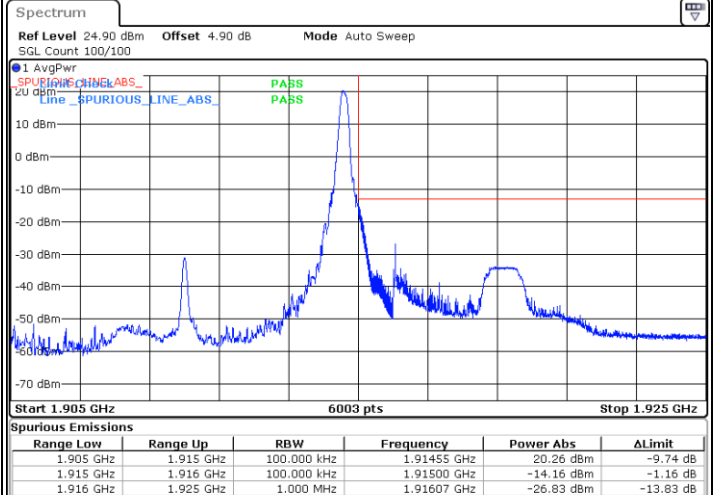
FR1 n25 / 10MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



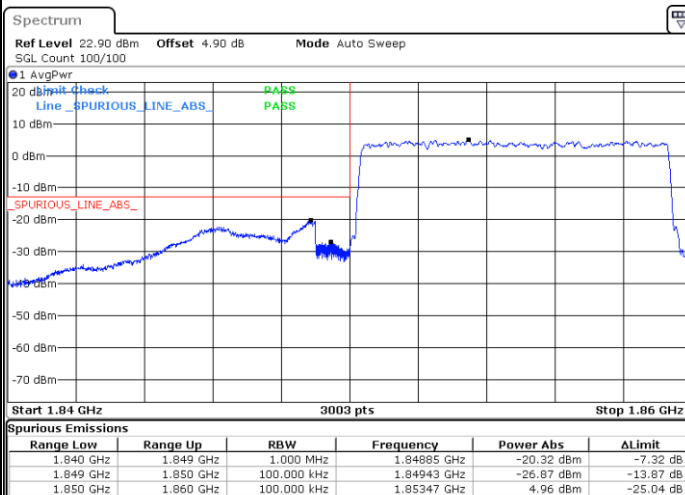
Date: 25.JAN.2021 07:13:55



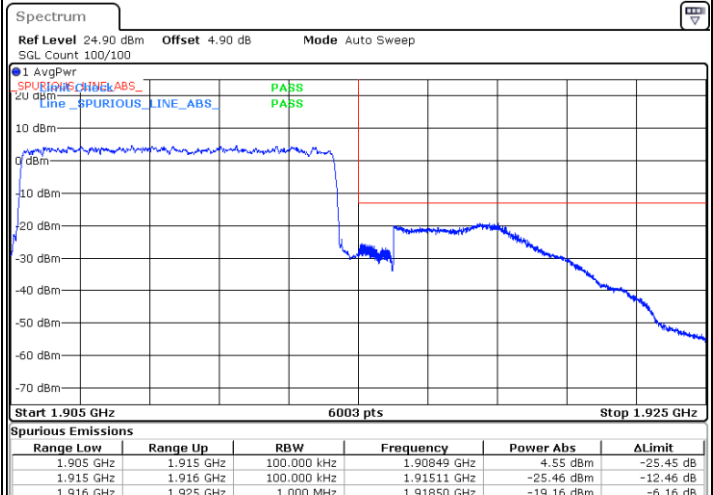
Date: 25.JAN.2021 06:17:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.JAN.2021 07:18:56



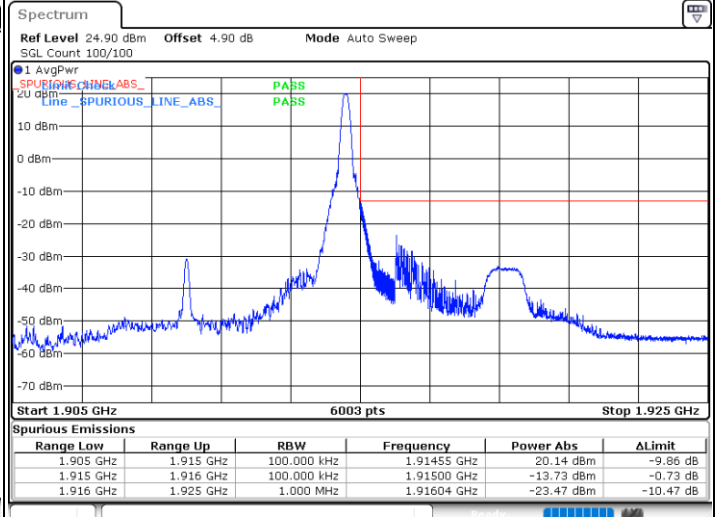
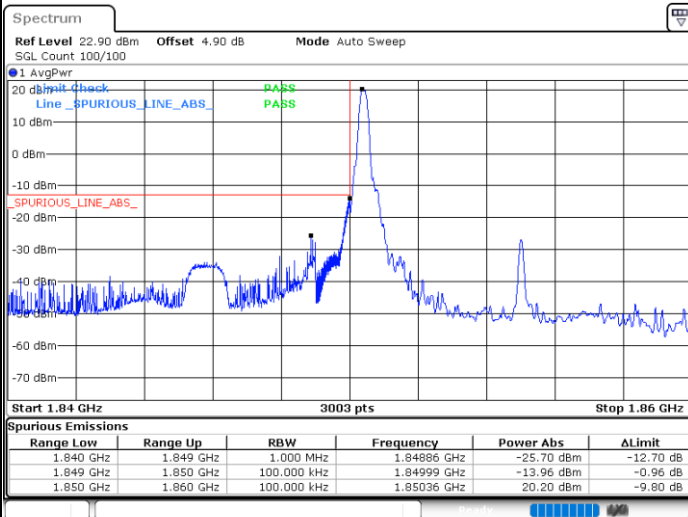
Date: 25.JAN.2021 06:08:35



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

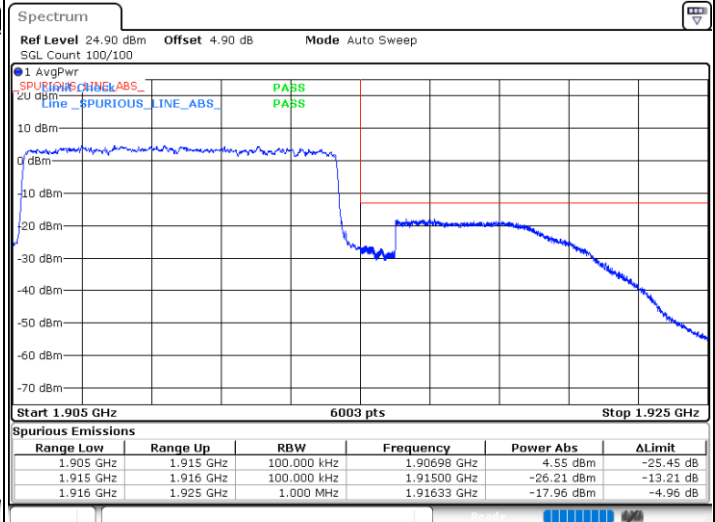
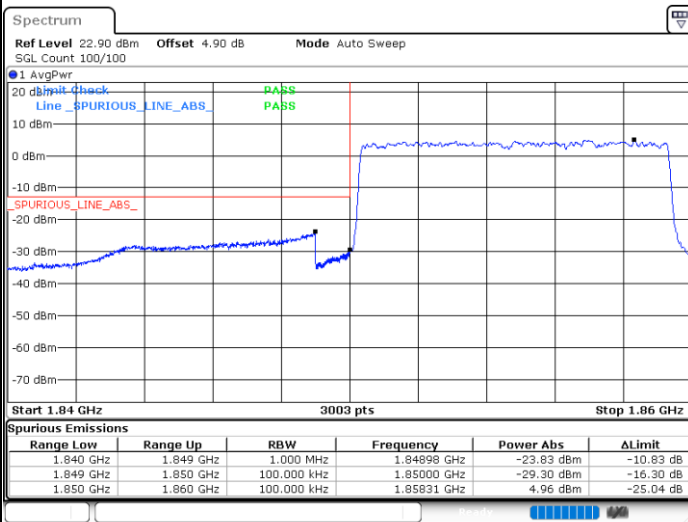
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

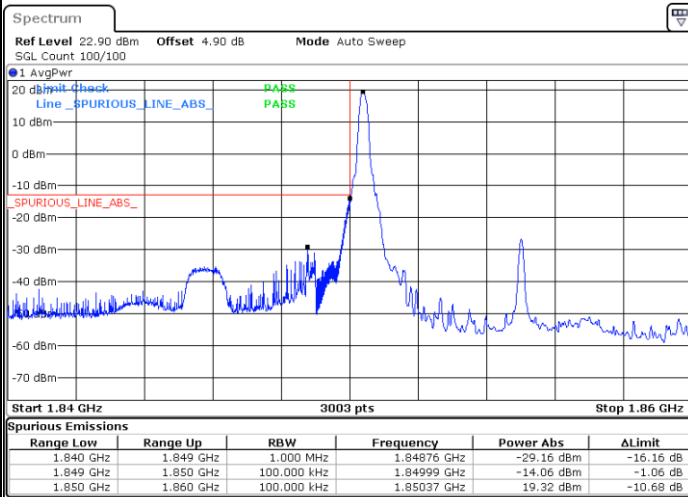




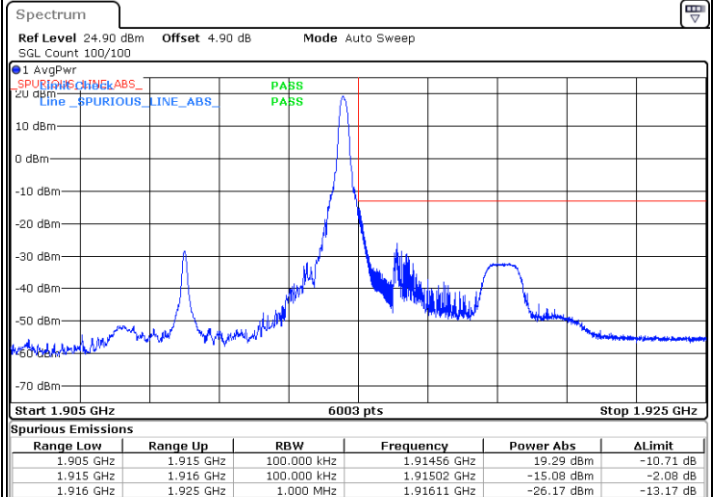
FR1 n25 / 10MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



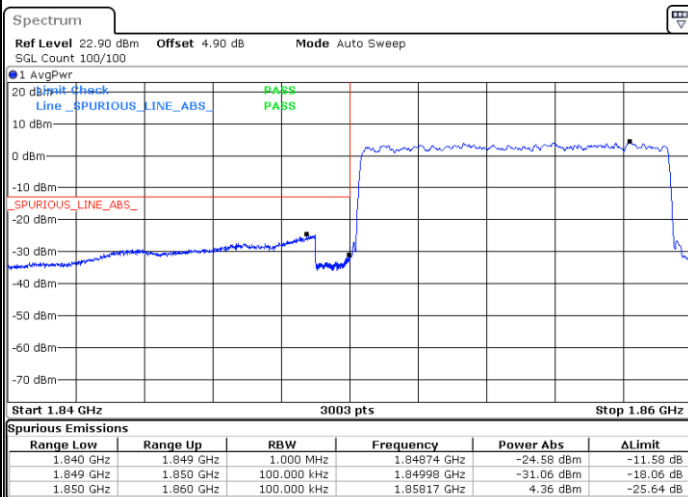
Date: 25.JAN.2021 07:15:39



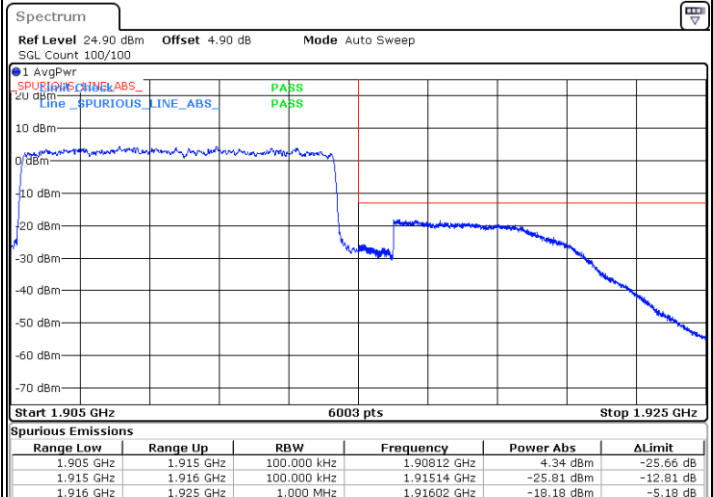
Date: 25.JAN.2021 06:18:04

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.JAN.2021 07:20:17



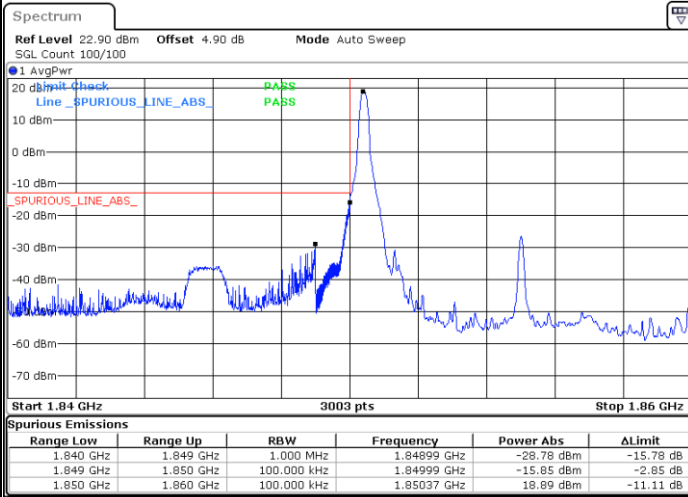
Date: 25.JAN.2021 06:09:45



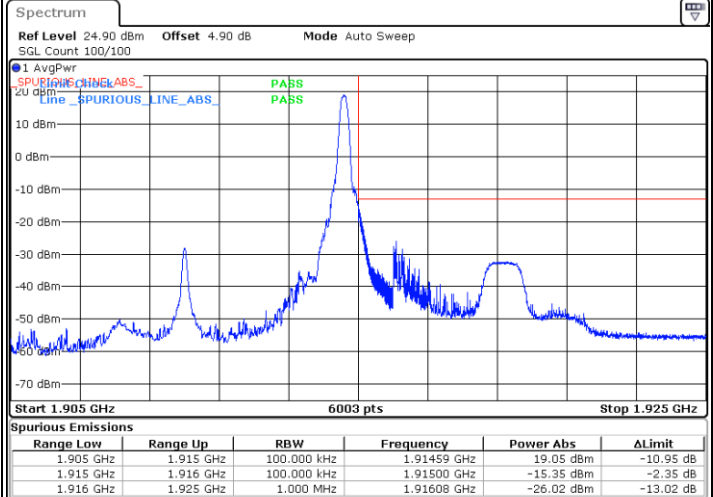
FR1 n25 / 10MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



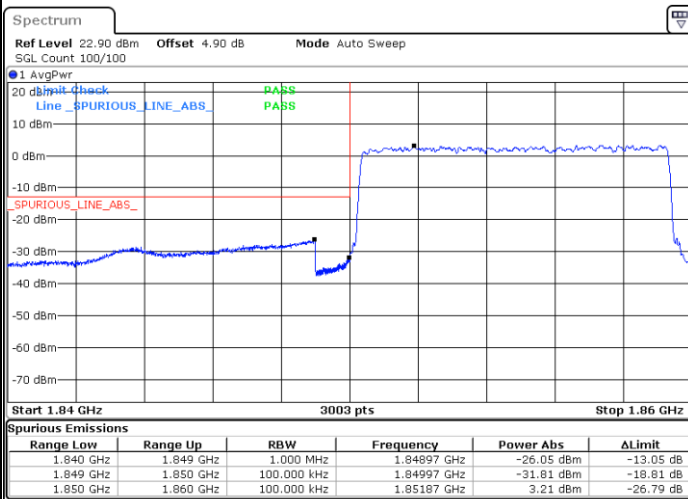
Date: 25.JAN.2021 07:16:24



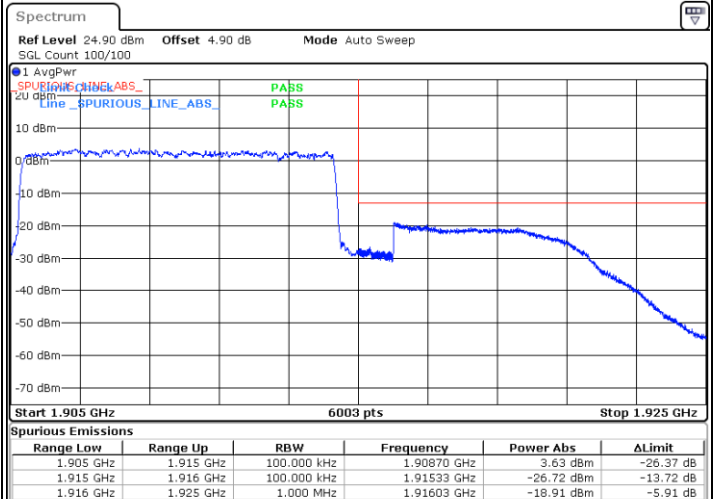
Date: 25.JAN.2021 06:18:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.JAN.2021 07:21:08



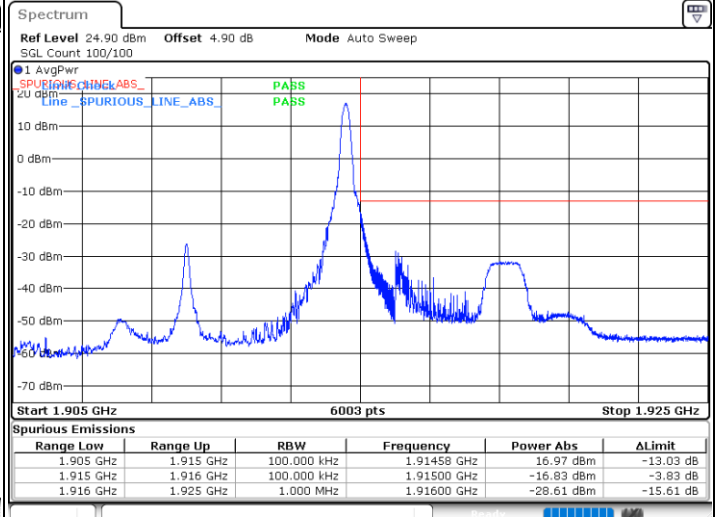
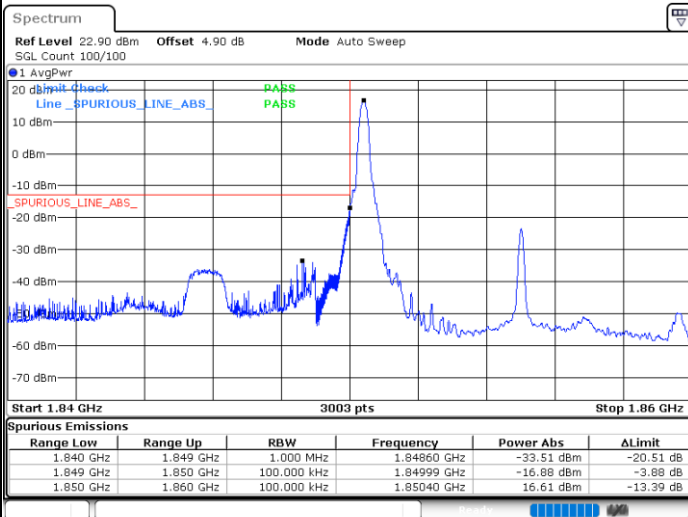
Date: 25.JAN.2021 06:11:38



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

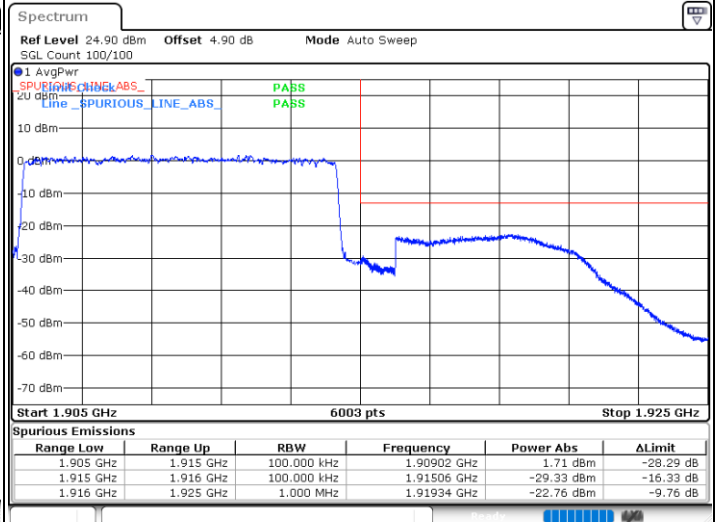
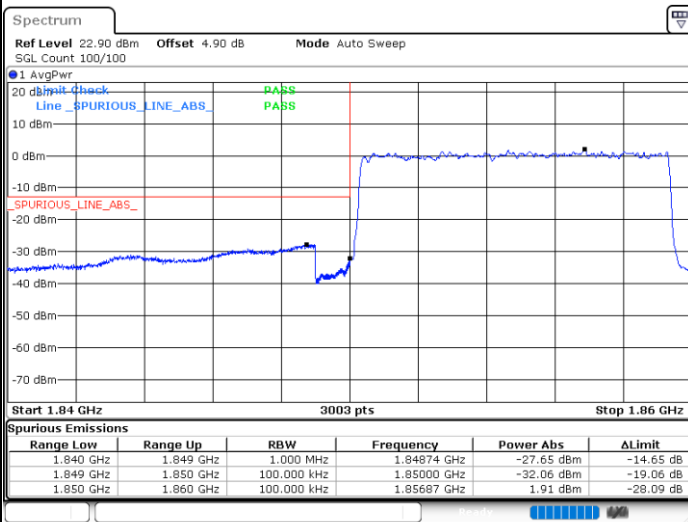
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

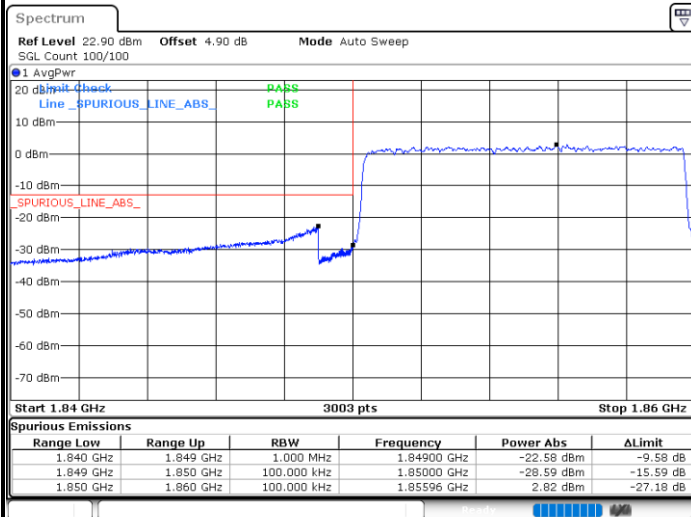
Highest Band Edge / Full RB



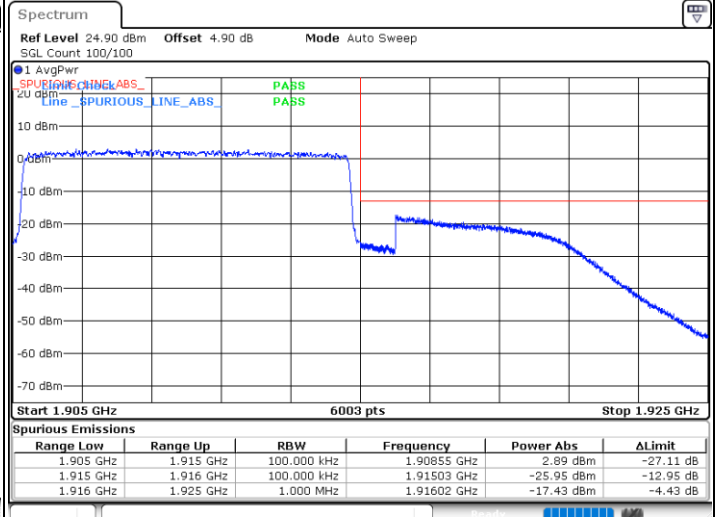


FR1 n25 / 10MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



Highest Band Edge

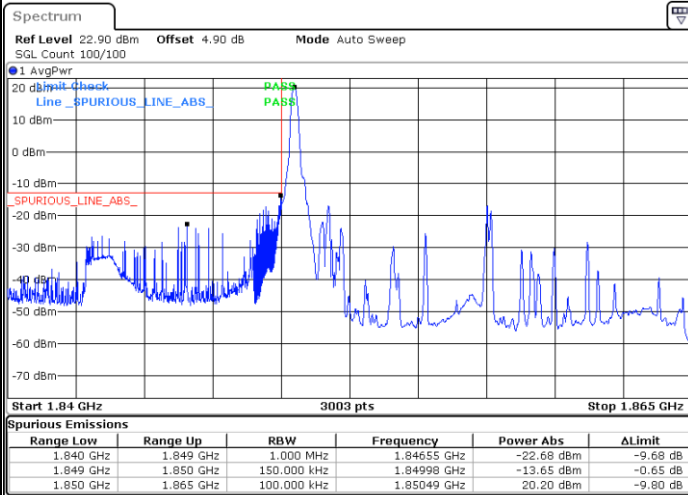




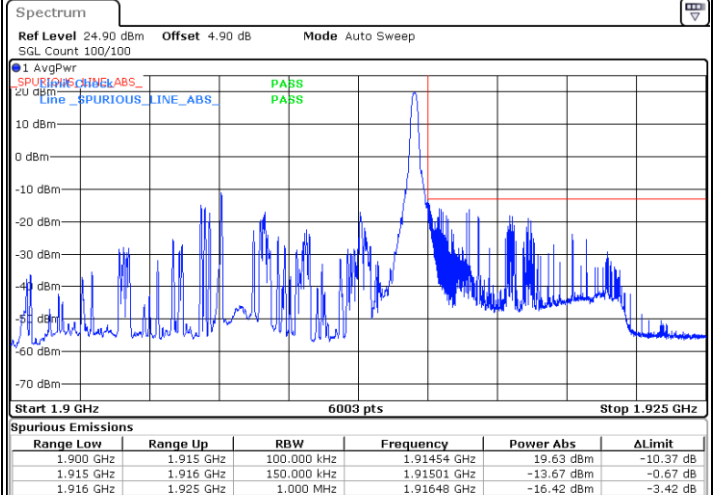
FR1 n25 / 15MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



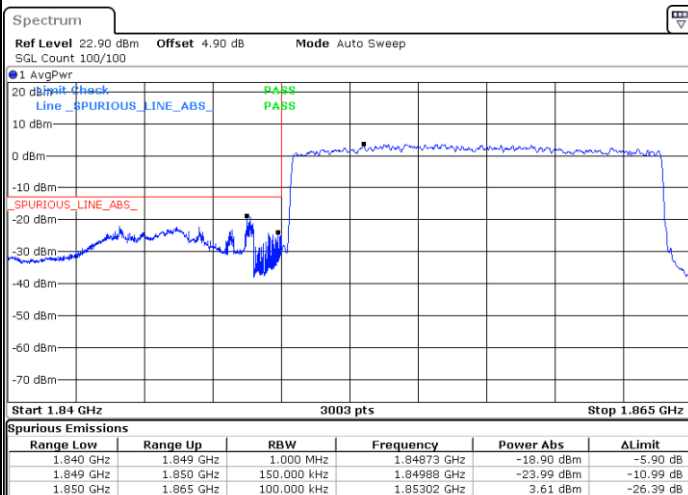
Date: 25.JAN.2021 03:15:09



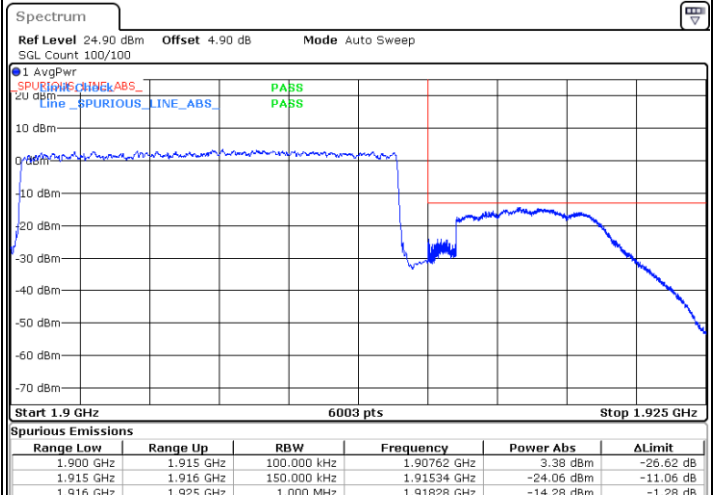
Date: 25.JAN.2021 03:52:36

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.JAN.2021 03:36:52



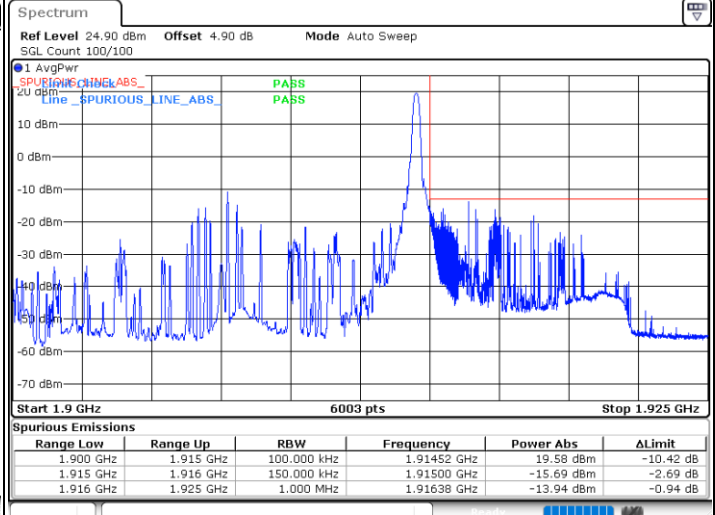
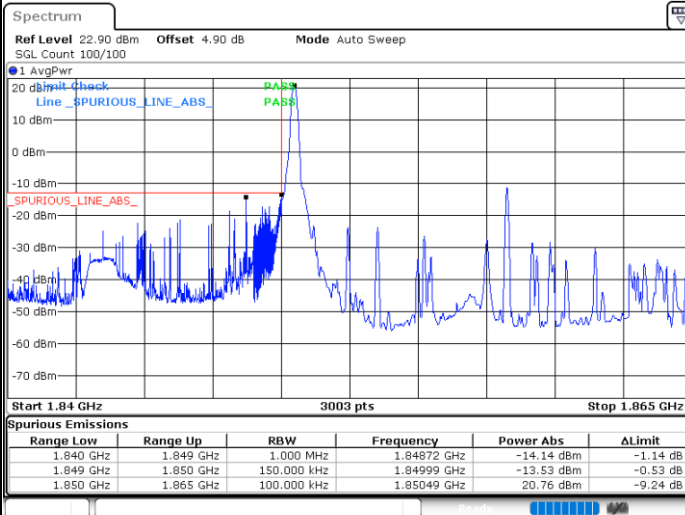
Date: 25.JAN.2021 03:44:58



FR1 n25 / 15MHz / DFT-s-OFDM / QPSK

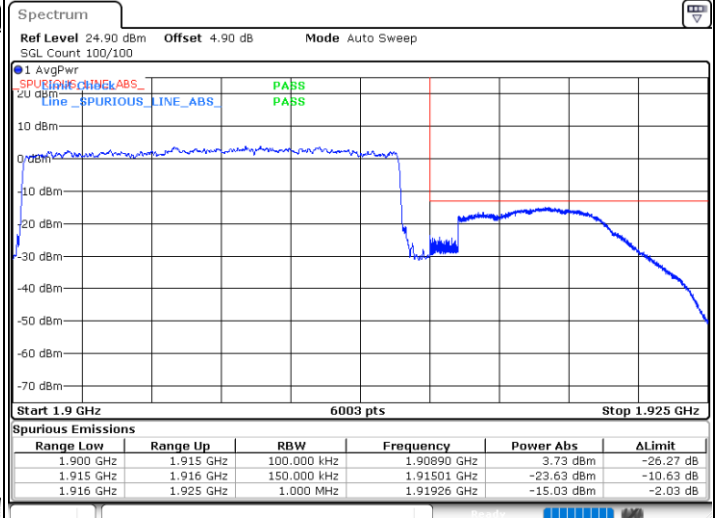
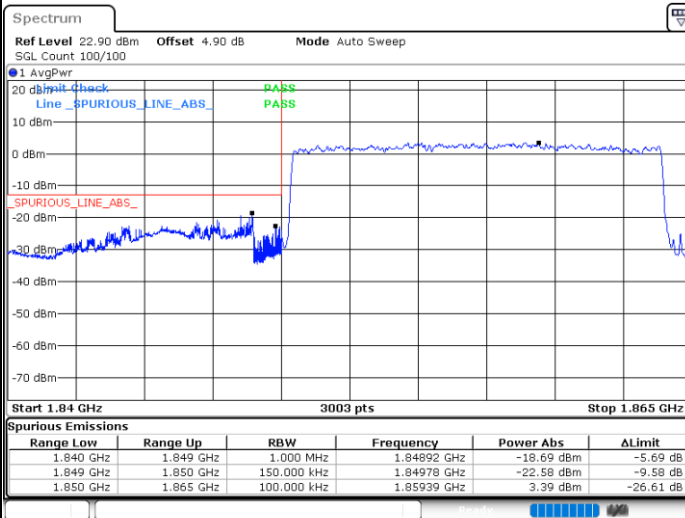
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

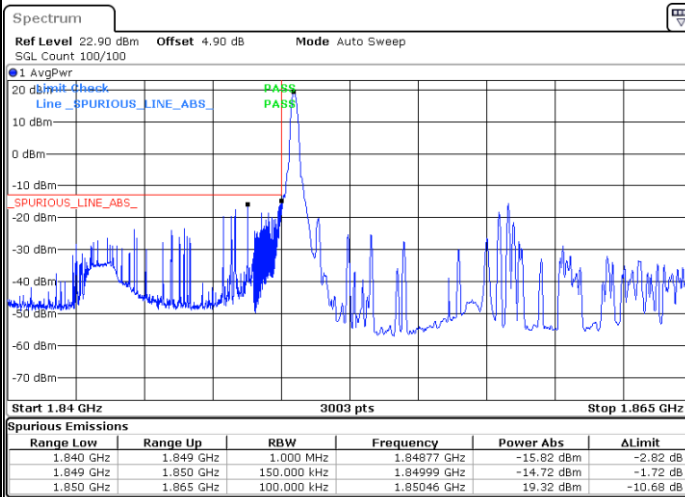




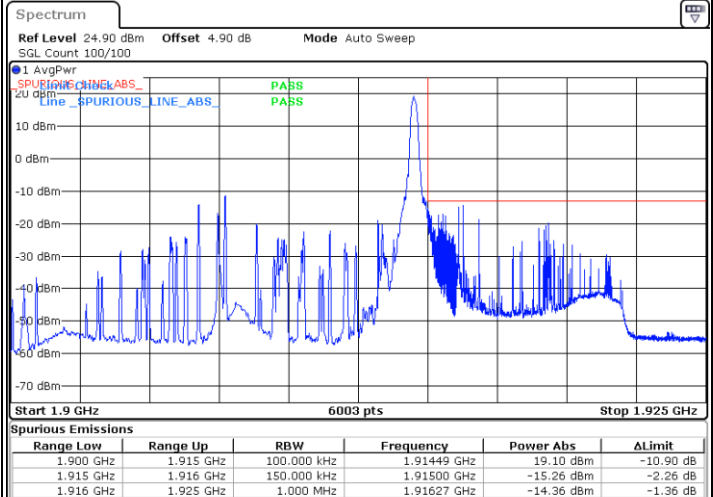
FR1 n25 / 15MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



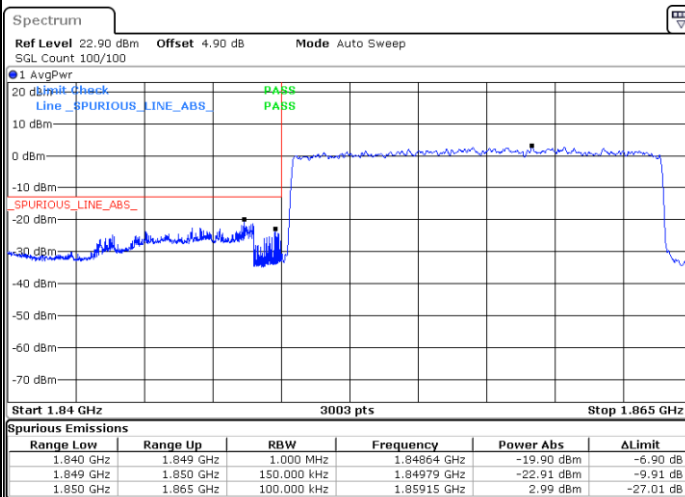
Date: 25.JAN.2021 03:20:05



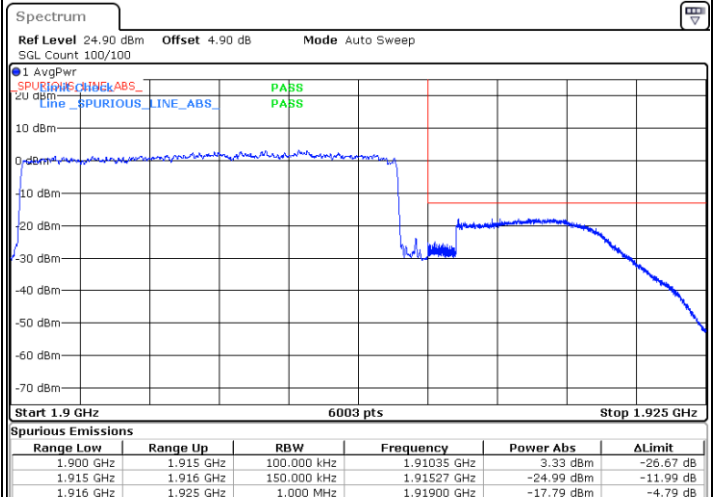
Date: 25.JAN.2021 03:57:04

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.JAN.2021 03:31:54



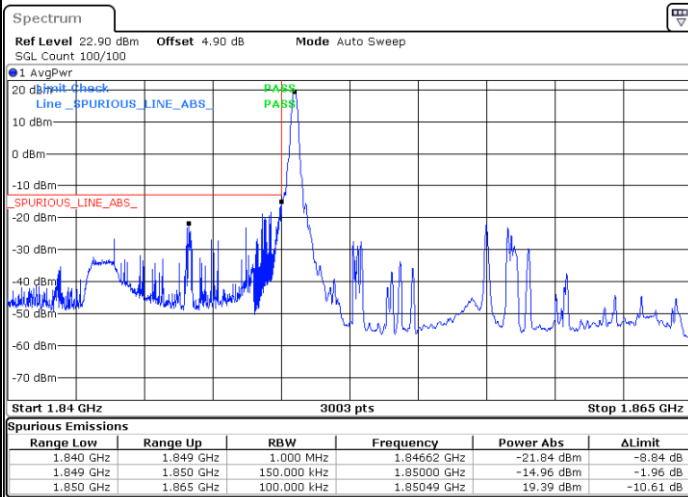
Date: 25.JAN.2021 03:48:12



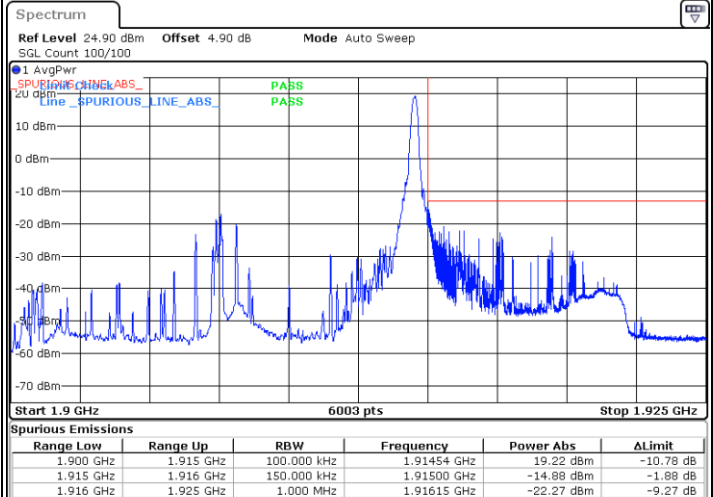
FR1 n25 / 15MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



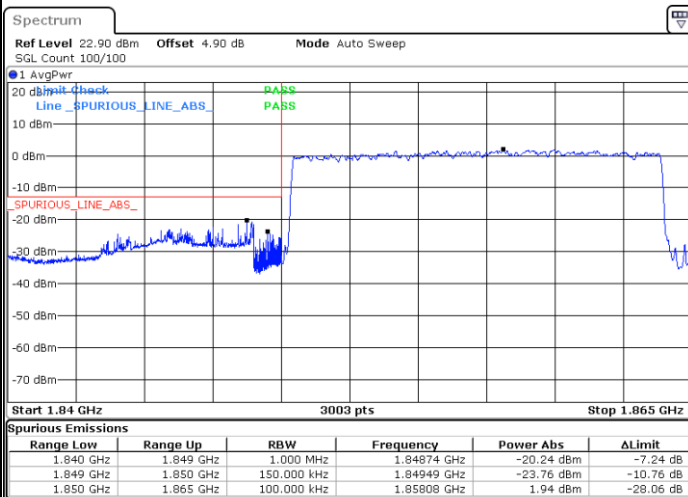
Date: 25.JAN.2021 03:24:19



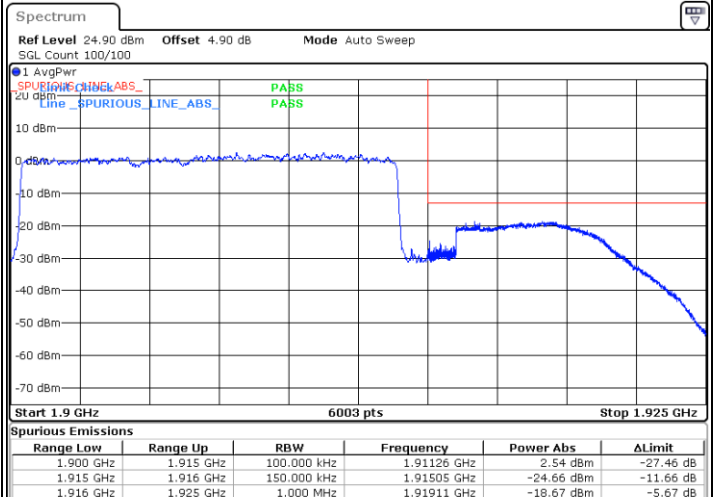
Date: 25.JAN.2021 03:57:54

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25.JAN.2021 03:30:28



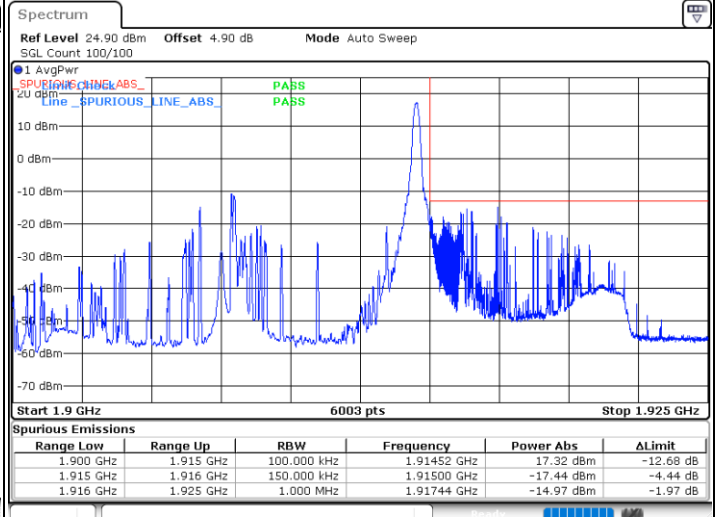
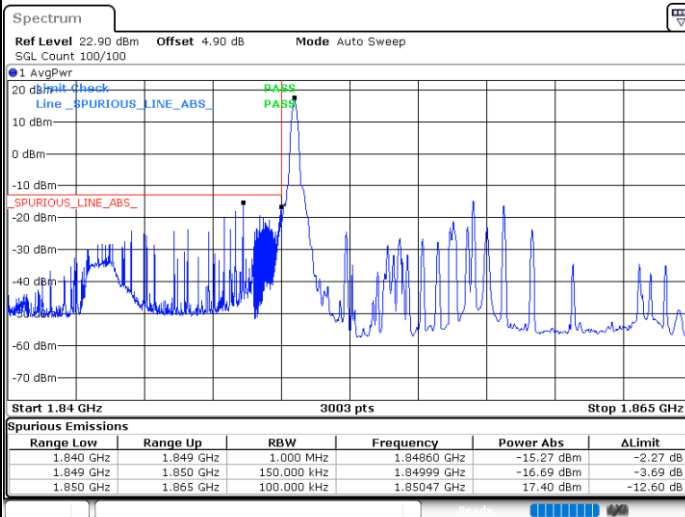
Date: 25.JAN.2021 03:48:42



FR1 n25 / 15MHz / DFT-s-OFDM / 256QAM

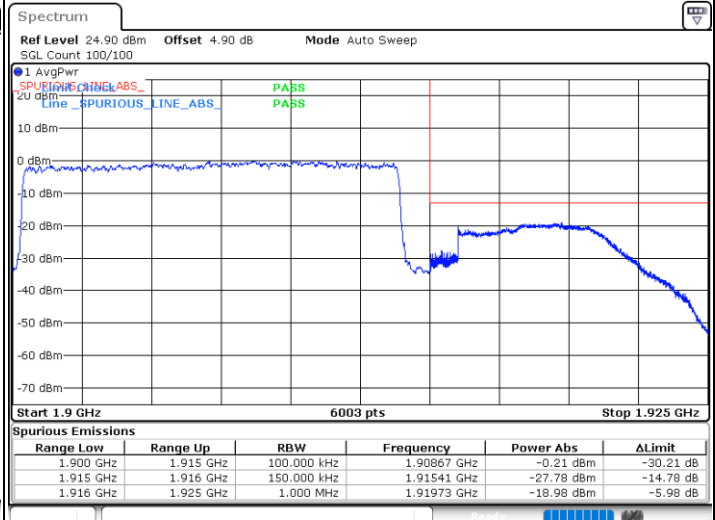
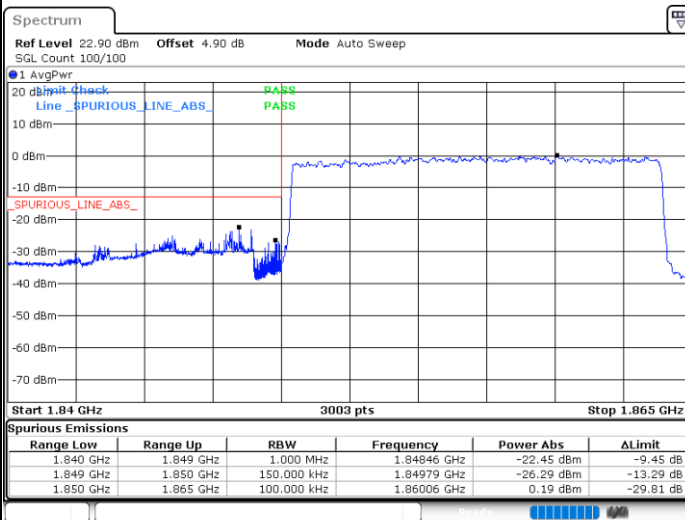
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

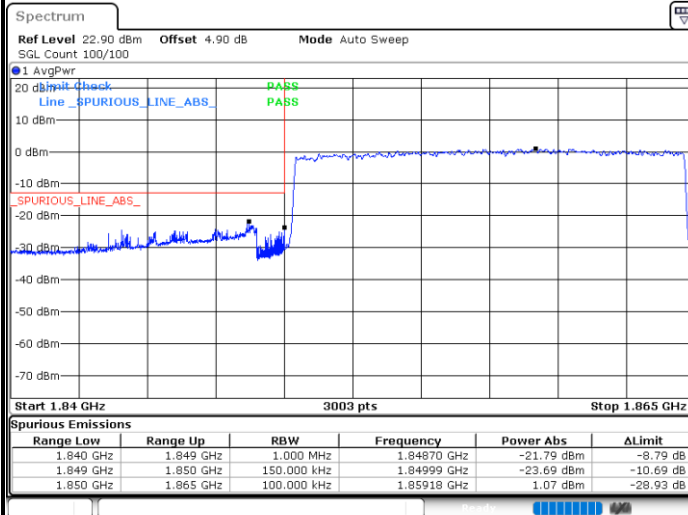
Highest Band Edge / Full RB



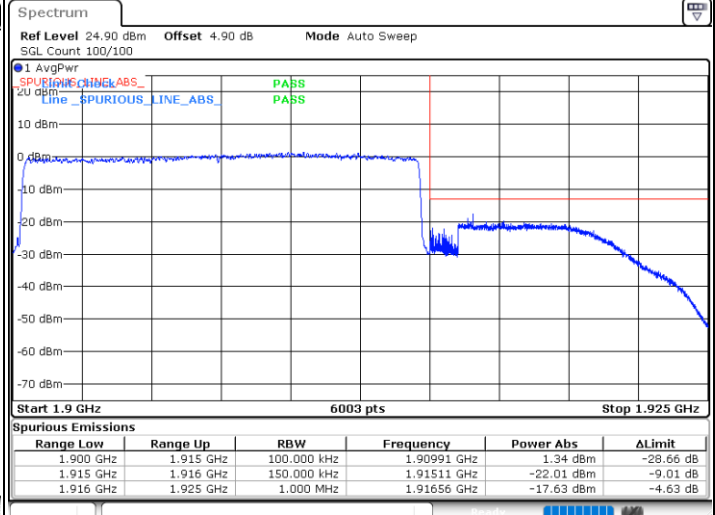


FR1 n25 / 15MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



Highest Band Edge

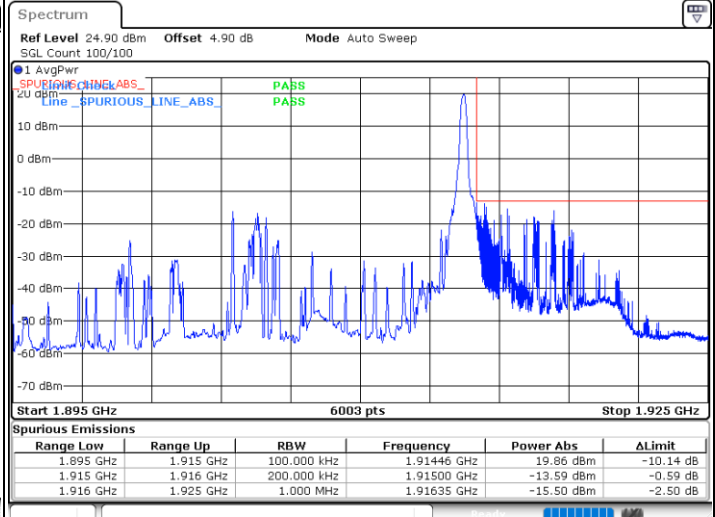
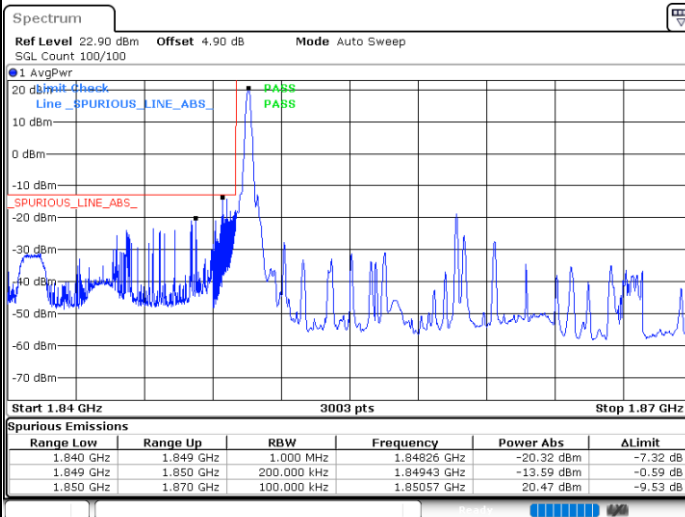




FR1 n25 / 20MHz / DFT-s-OFDM / PI/2 BPSK

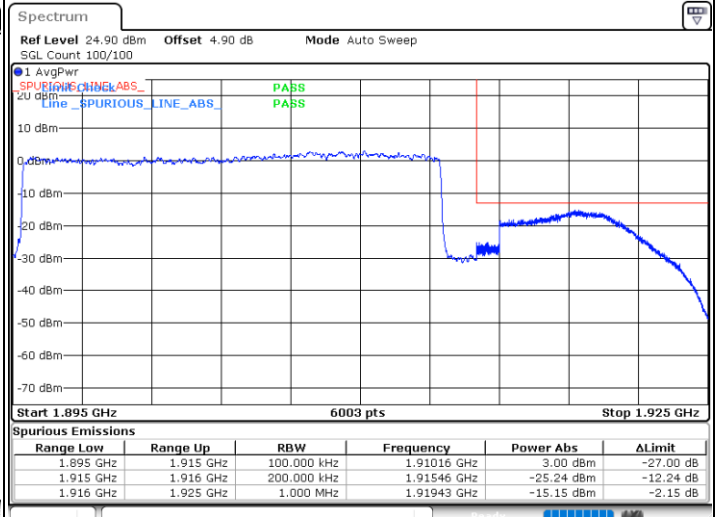
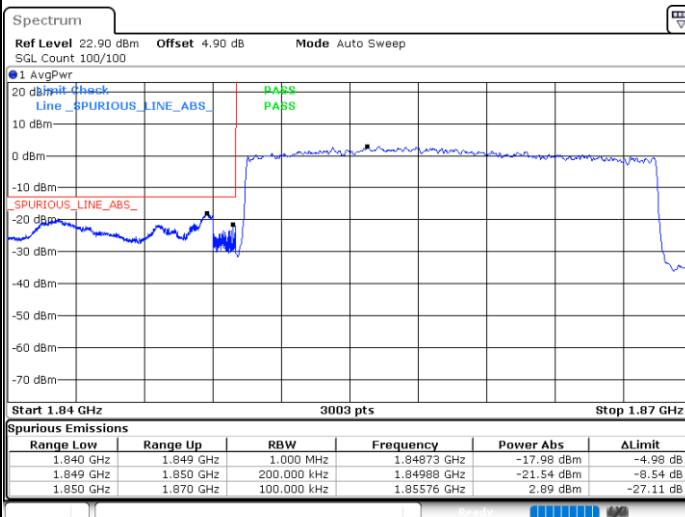
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

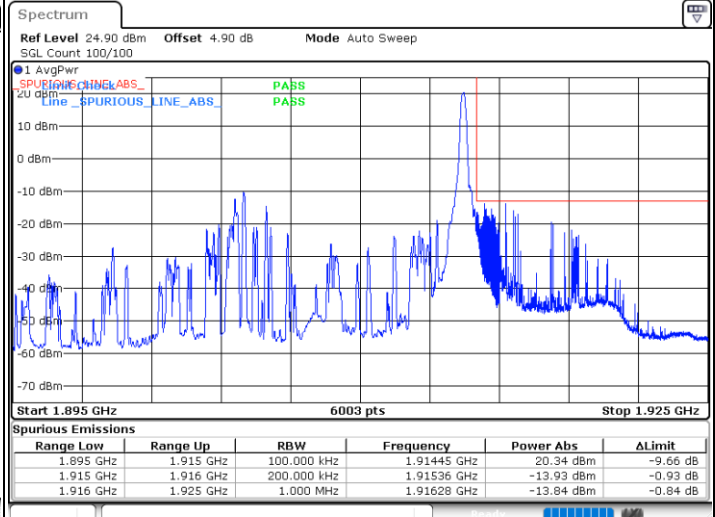
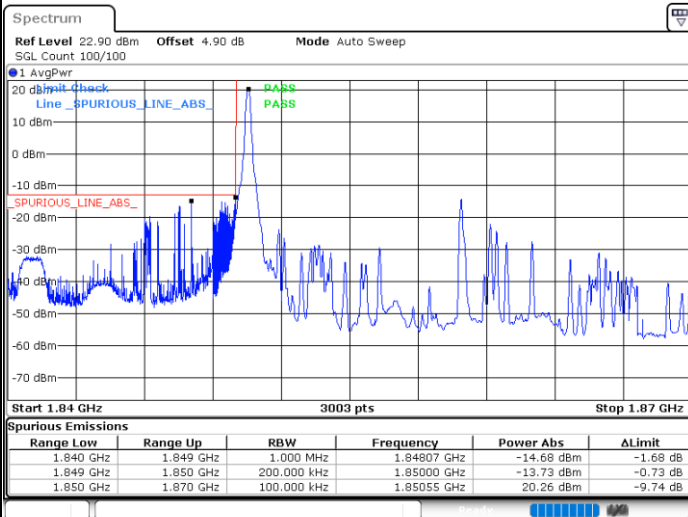




FR1 n25 / 20MHz / DFT-s-OFDM / QPSK

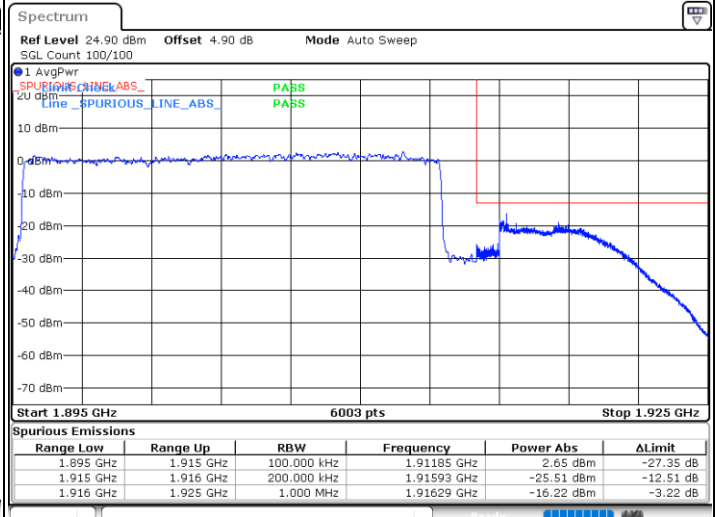
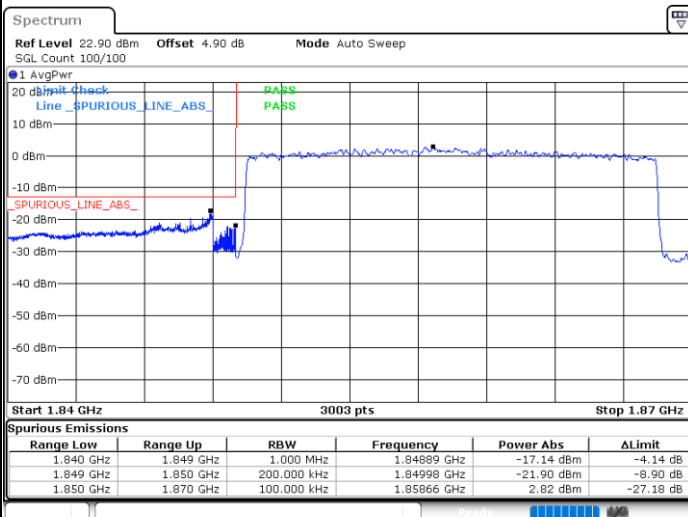
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

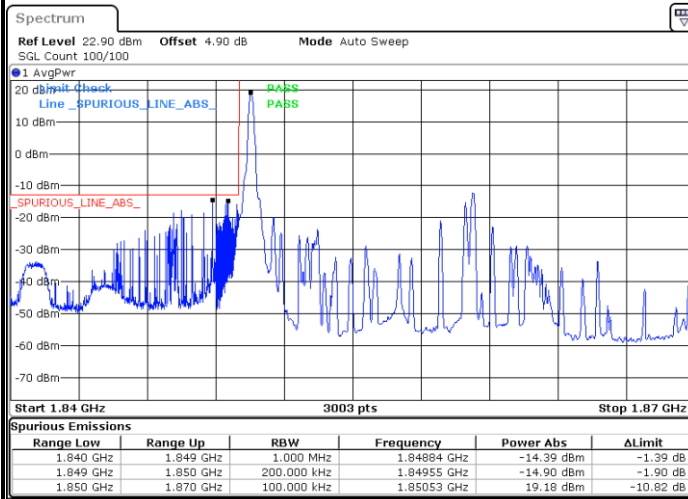
Highest Band Edge / Full RB



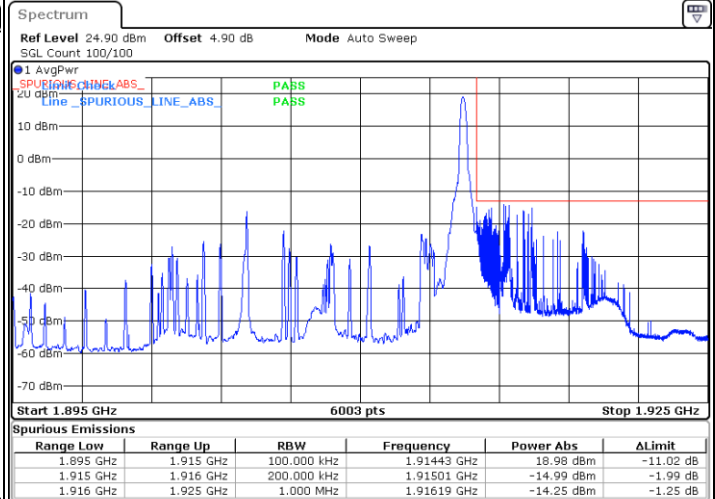


FR1 n25 / 20MHz / DFT-s-OFDM / 16QAM

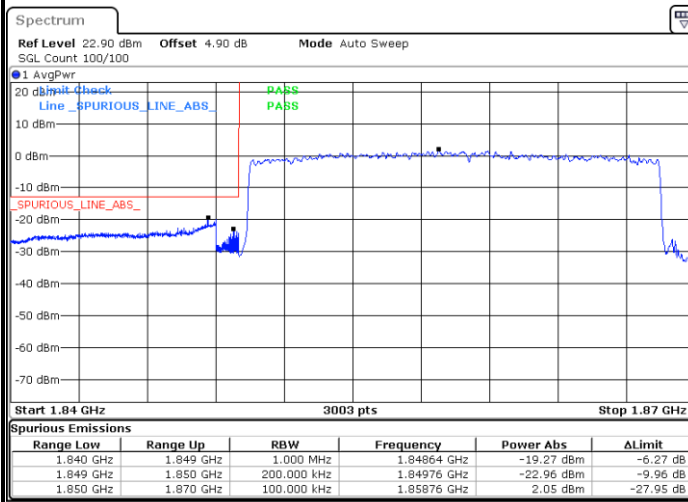
Lowest Band Edge / 1RB0



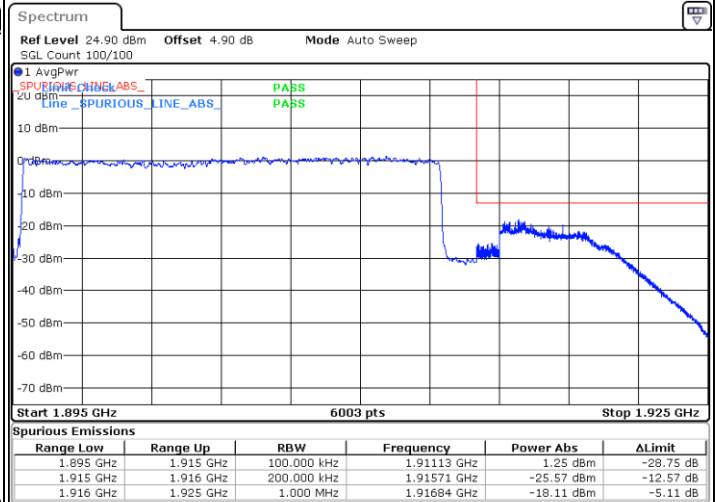
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

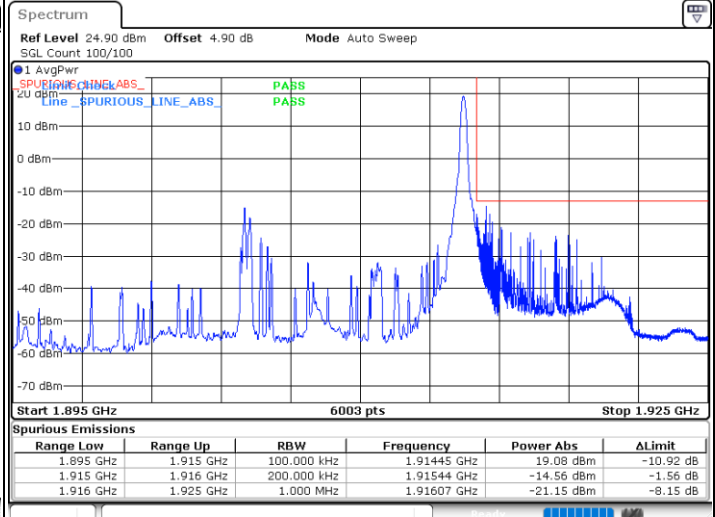
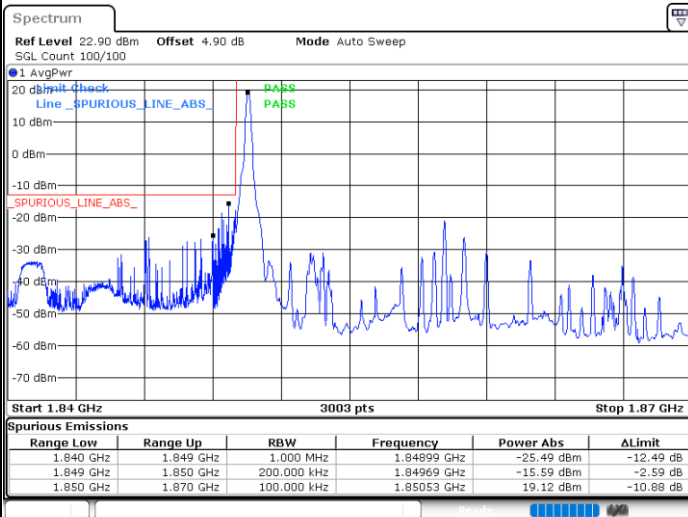




FR1 n25 / 20MHz / DFT-s-OFDM / 64QAM

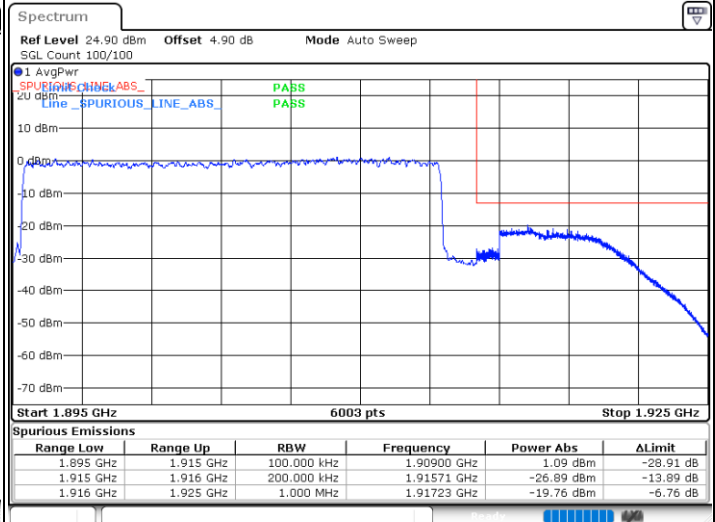
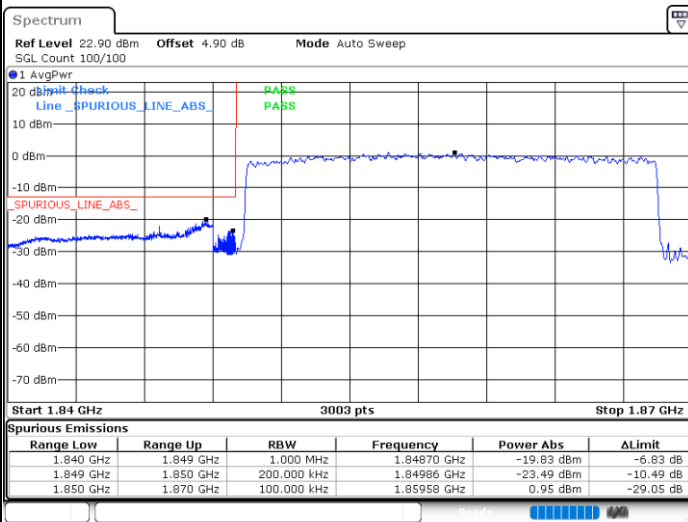
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

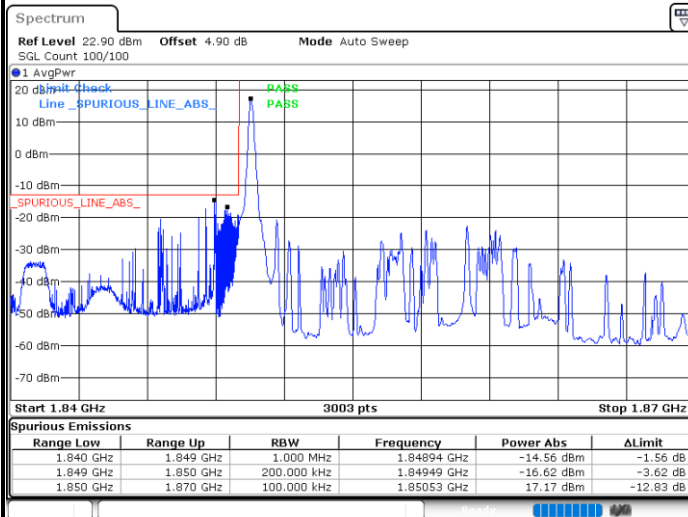
Highest Band Edge / Full RB



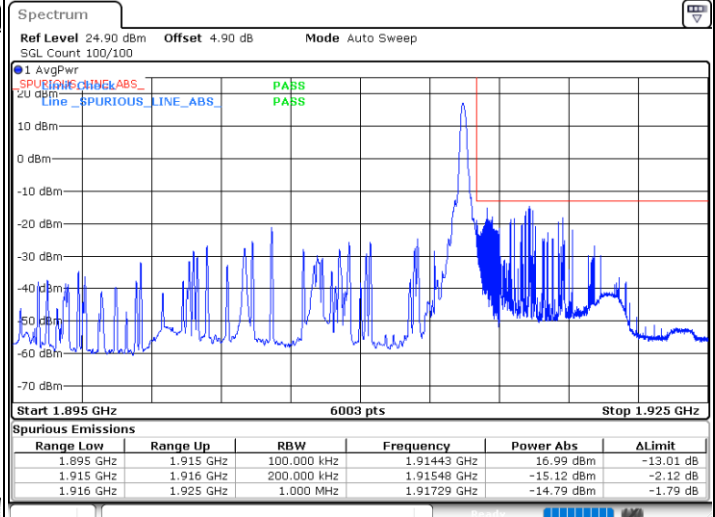


FR1 n25 / 20MHz / DFT-s-OFDM / 256QAM

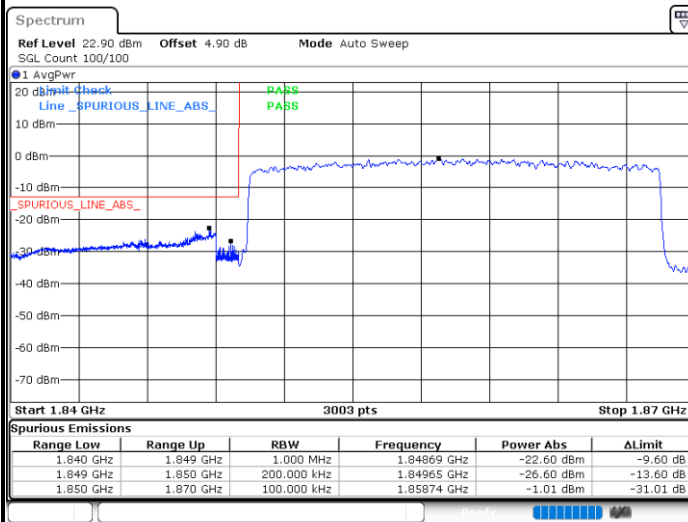
Lowest Band Edge / 1RB0



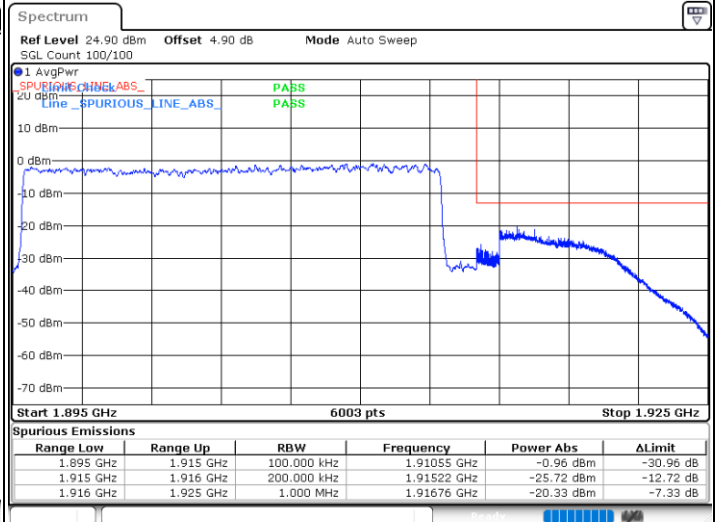
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



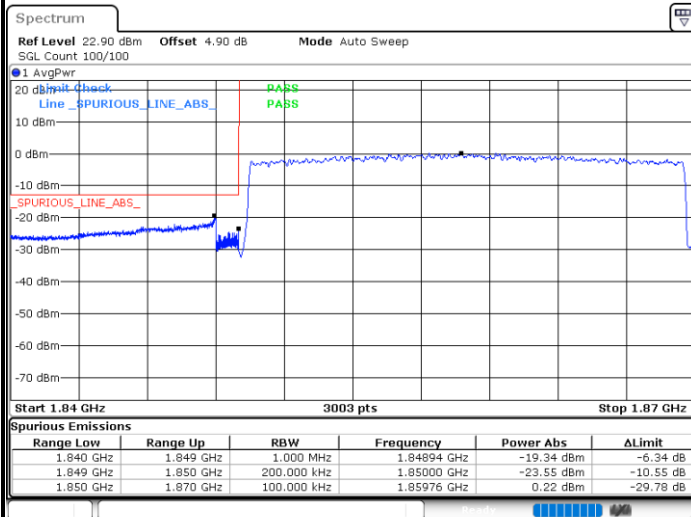
Highest Band Edge / Full RB



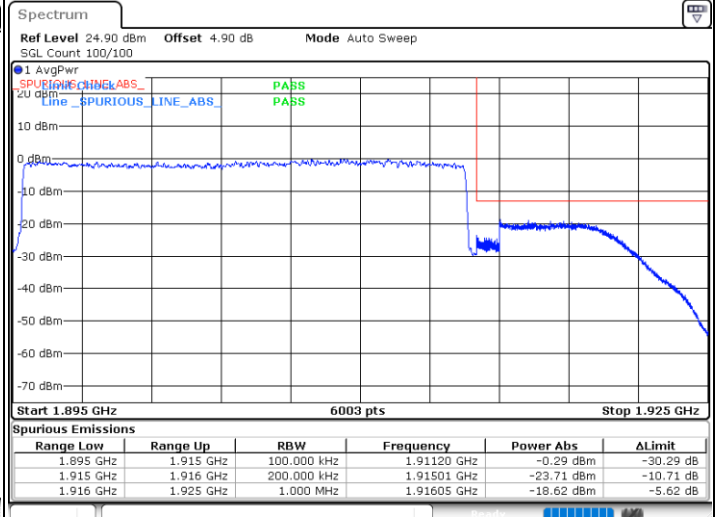


FR1 n25 / 20MHz / CP OFDM / QPSK / Full RB

Lowest Band Edge



Highest Band Edge

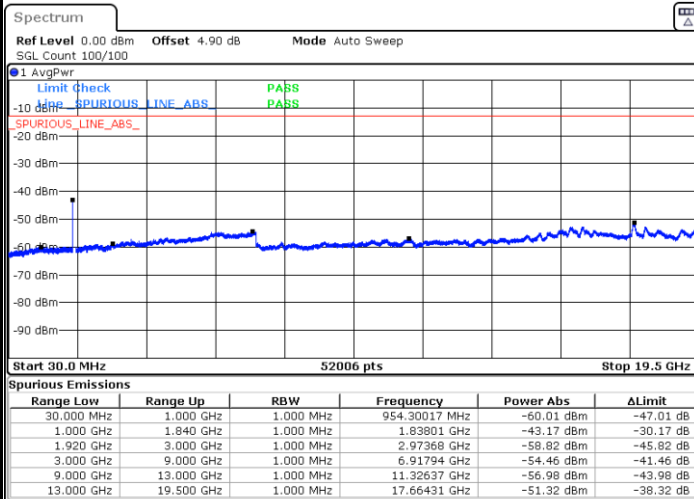




Conducted Spurious Emission

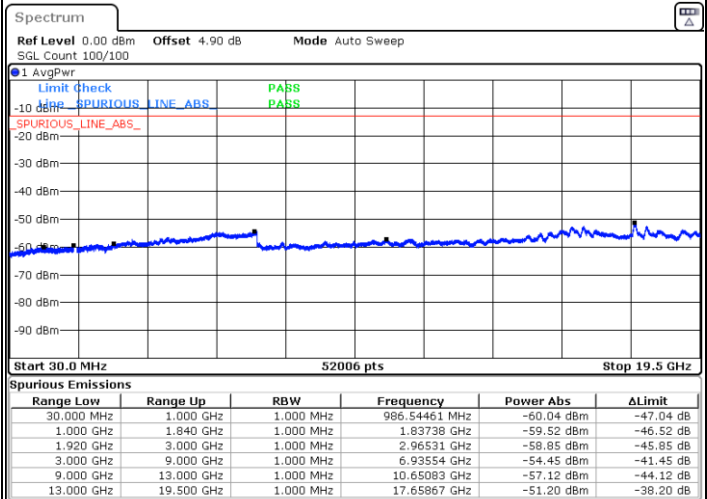
FR1 n25 / 5MHz / DFT-S OFDM / QPSK / 1RB1

Lowest Channel



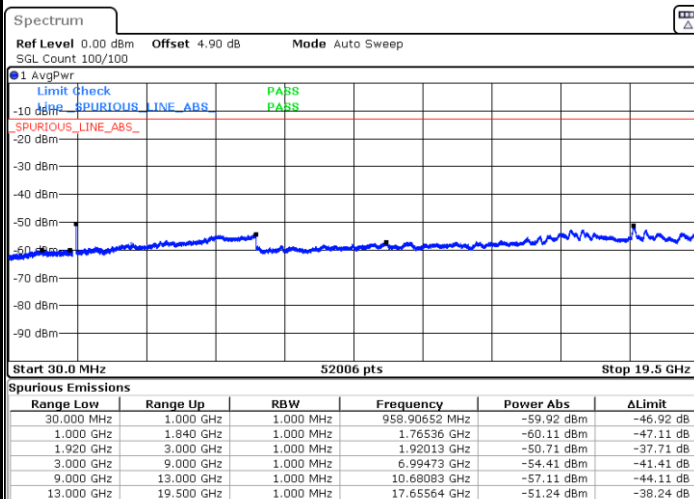
Date: 20.JAN.2021 11:02:13

Middle Channel



Date: 20.JAN.2021 12:55:48

Highest Channel



Date: 20.JAN.2021 13:18:19

Frequency Stability

Test Conditions		FR1 n25 (BPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0010	PASS
40	Normal Voltage	0.0032	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0041	
-30	Normal Voltage	0.0024	
20	Maximum Voltage	0.0020	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Note:

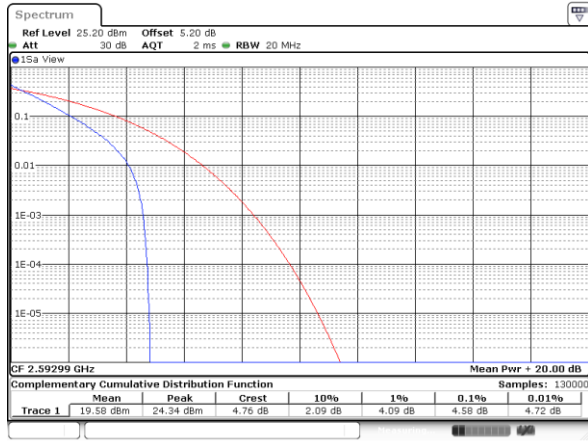
1. Normal Voltage =48 V. ; Battery End Point (BEP) =43 V. ; Maximum Voltage =53 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

**FR1 n41****Peak-to-Average Ratio**

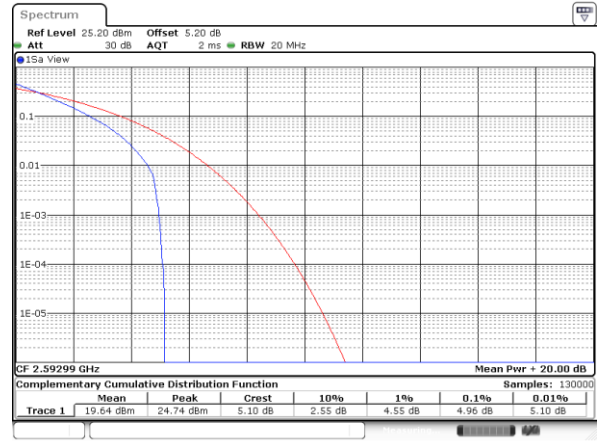
Mode	FR1 n41 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.58	4.96	6.38	6.72	PASS
Mode	FR1 n41 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	7.16				PASS

FR1 n41 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK



QPSK



16QAM



64QAM



256QAM



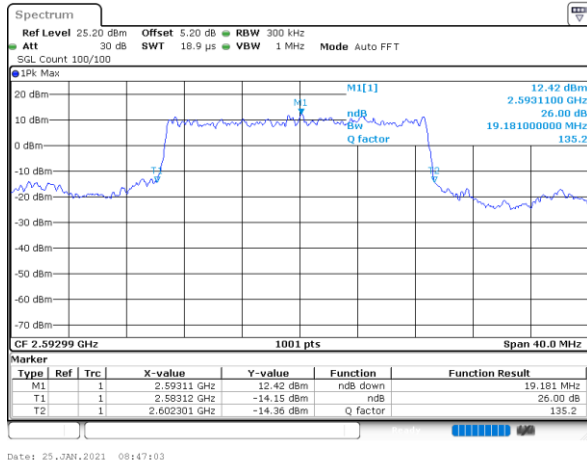
**26dB Bandwidth**

Mode	FR1 n41 : 26dB BW(MHz) / DFT-S OFDM							
BW	20MHz	40MHz	50MHz	60MHz	80MHz	90MHz	100MHz	
Mod.	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	PI/2 BPSK	
Middle CH	19.18	38.20	48.35	60.78	79.92	90.09	99.50	

Mode	FR1 n41 : 26dB BW(MHz) / CP OFDM							
BW	20MHz		40MHz		50MHz		60MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	19.66	19.46	40.60	40.52	50.15	50.05	60.78	60.90
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	19.66	19.34	40.52	40.44	50.15	50.05	60.66	60.78
BW	80MHz		90MHz		100MHz			
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM		
Middle CH	80.56	80.40	90.81	90.63	100.70	100.70		
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM		
Middle CH	80.56	80.56	90.63	90.81	100.70	100.70		

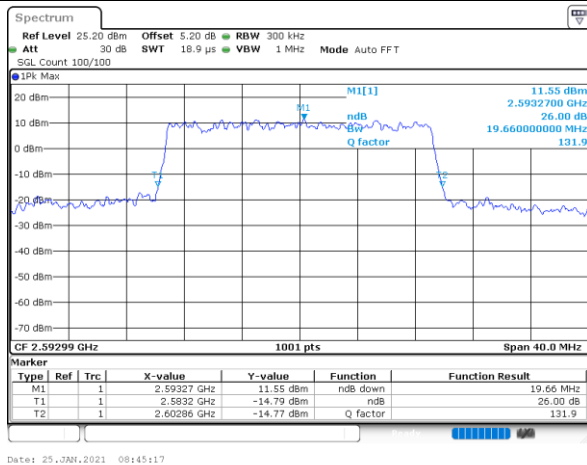
FR1 n41 / 20MHz / DFT-S OFDM / Middle Channel / Full RB

PI/2 BPSK

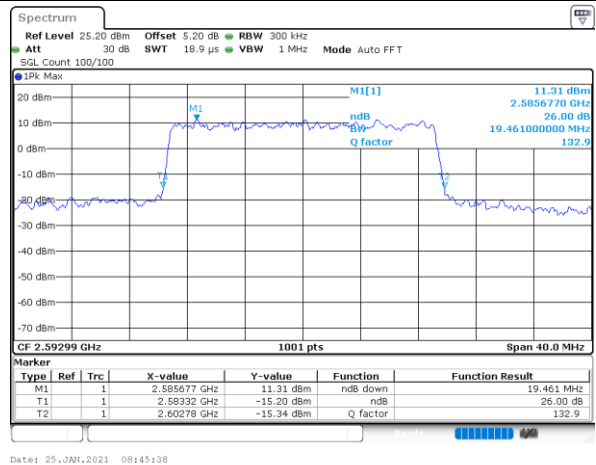


FR1 n41 / 20MHz / CP OFDM / Middle Channel / Full RB

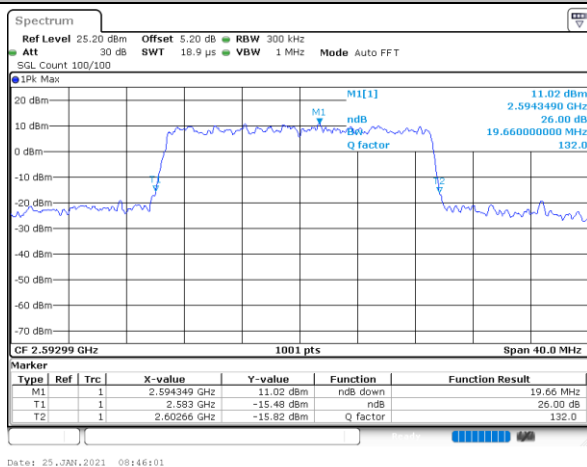
QPSK



16QAM



64QAM



256QAM

