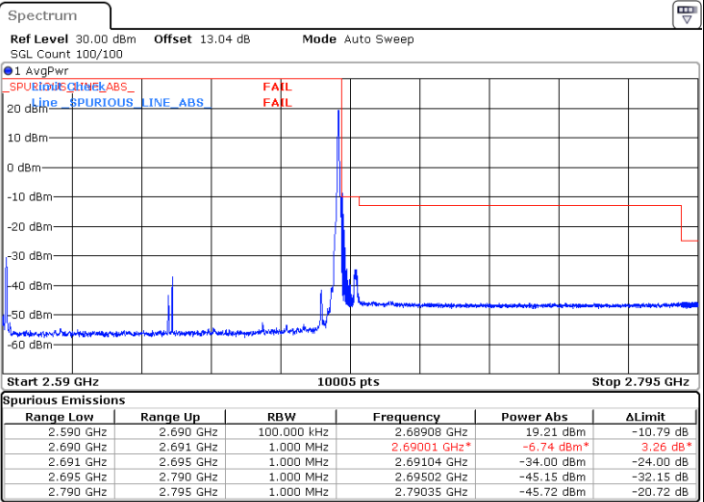
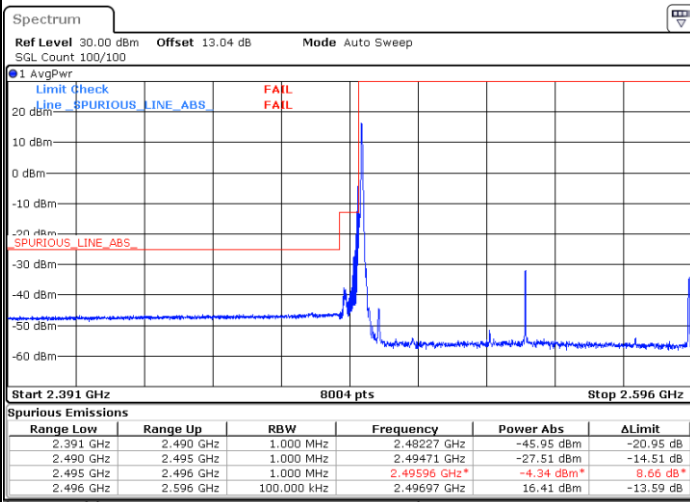




FR1 n41 / 100MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

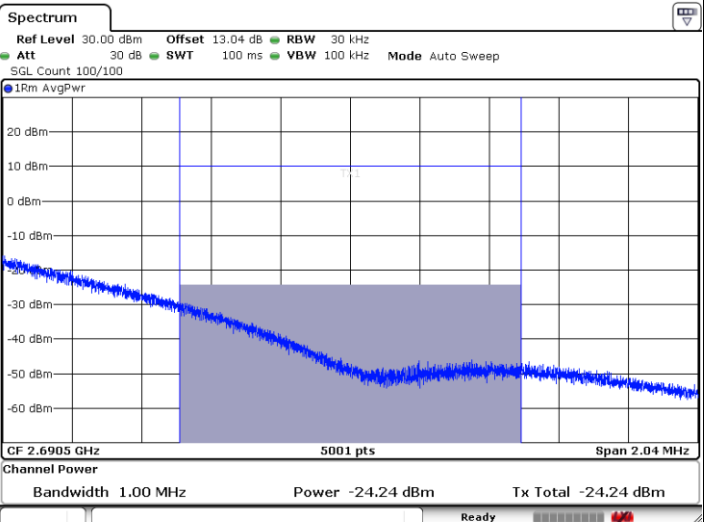
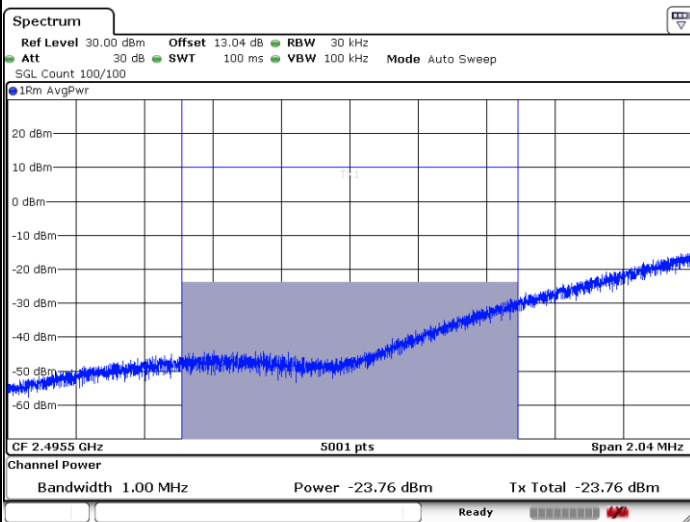


Date: 22.FEB.2021 22:33:59

Date: 22.FEB.2021 22:54:11

Channel Power < -13dBm Pass

Channel Power < -10dBm Pass



Date: 23.FEB.2021 01:39:06

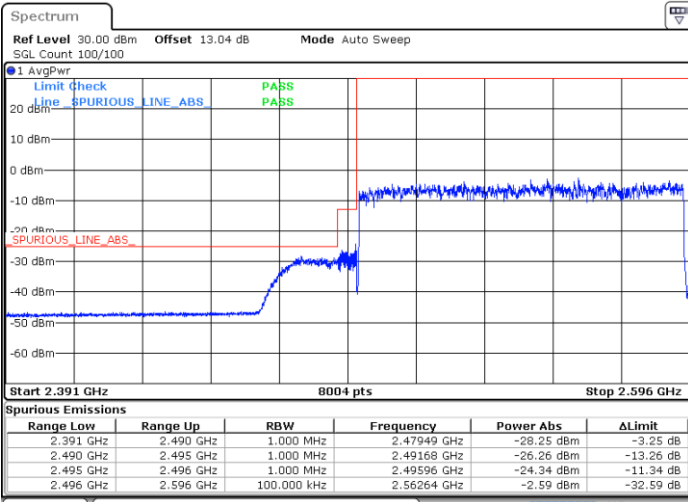
Date: 23.FEB.2021 01:44:09



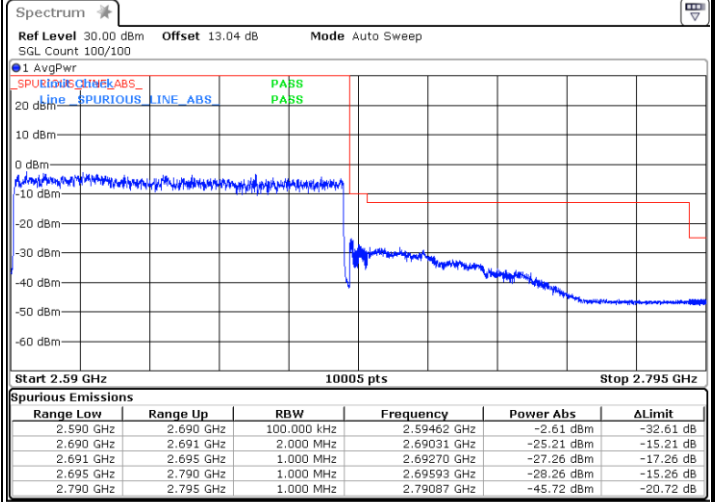
FR1 n41 / 100MHz / DFT-S OFDM / 16Q

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22.FEB.2021 22:36:23



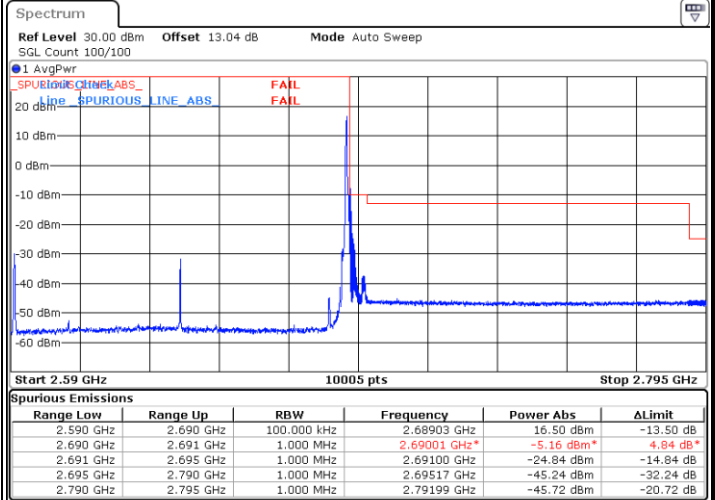
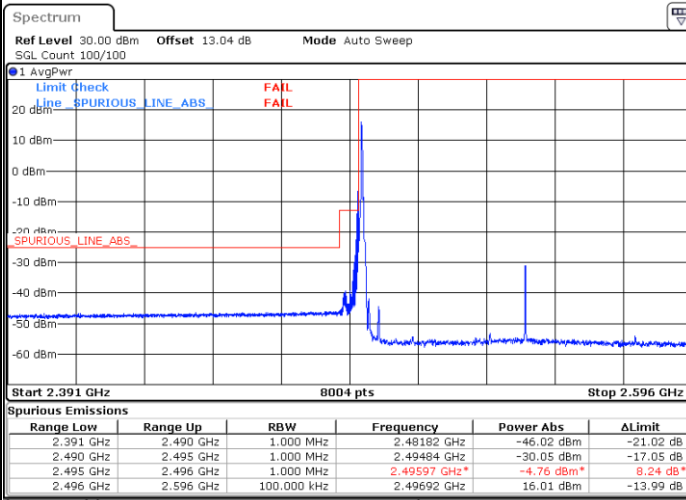
Date: 22.FEB.2021 22:57:17



FR1 n41 / 100MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMax

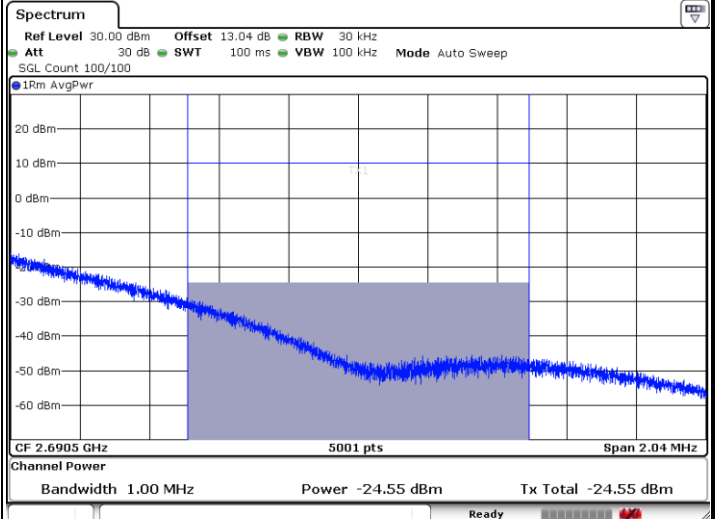
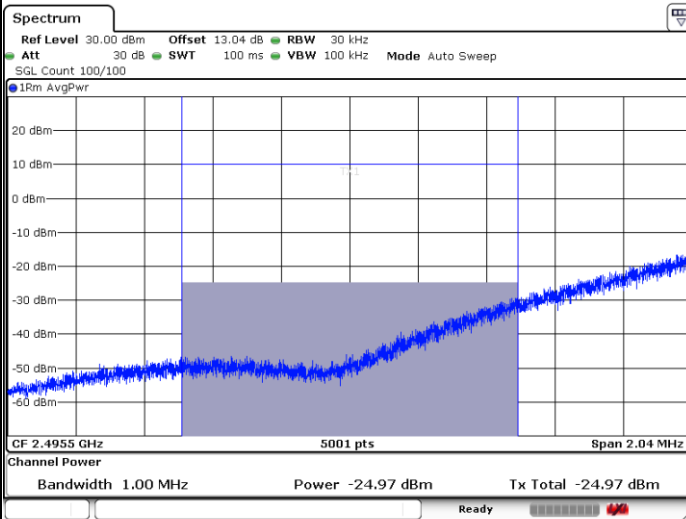


Date: 22.FEB.2021 22:34:27

Date: 22.FEB.2021 22:54:31

Channel Power < -13dBm Pass

Channel Power < -10dBm Pass



Date: 23.FEB.2021 01:39:36

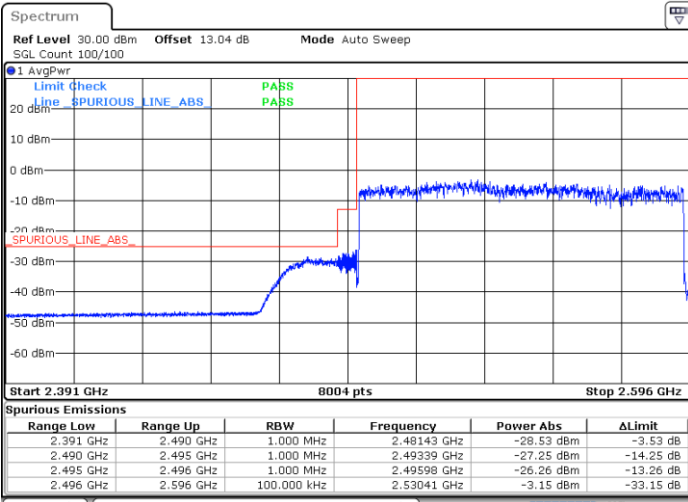
Date: 23.FEB.2021 01:43:37



FR1 n41 / 100MHz / DFT-S OFDM / 64Q

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 22.FEB.2021 22:35:45



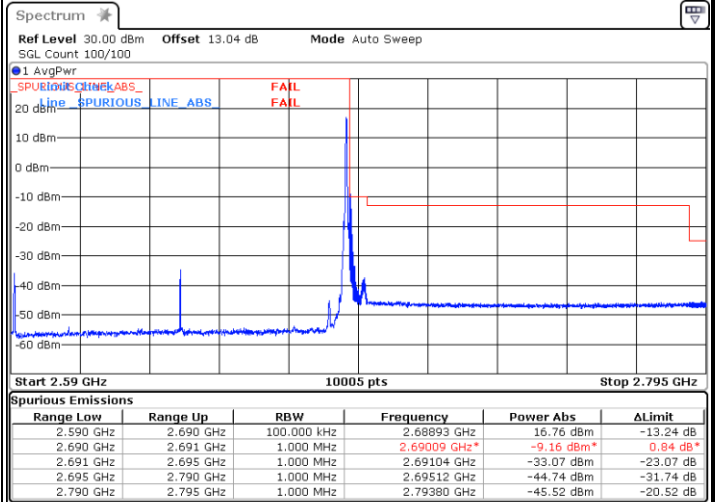
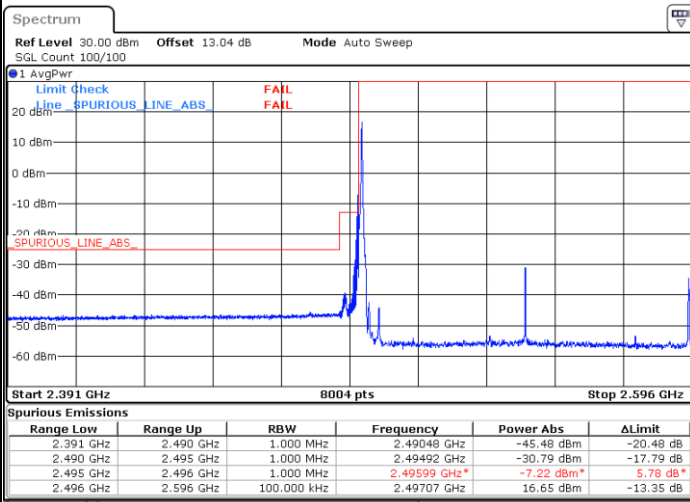
Date: 22.FEB.2021 22:56:27



FR1 n41 / 100MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMax

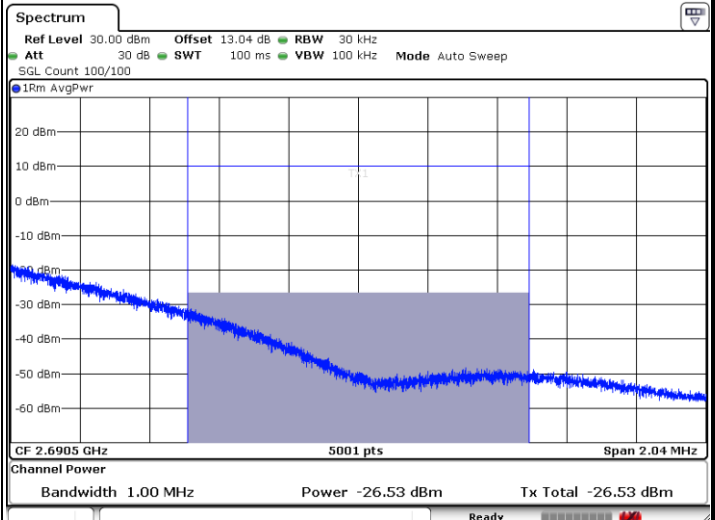
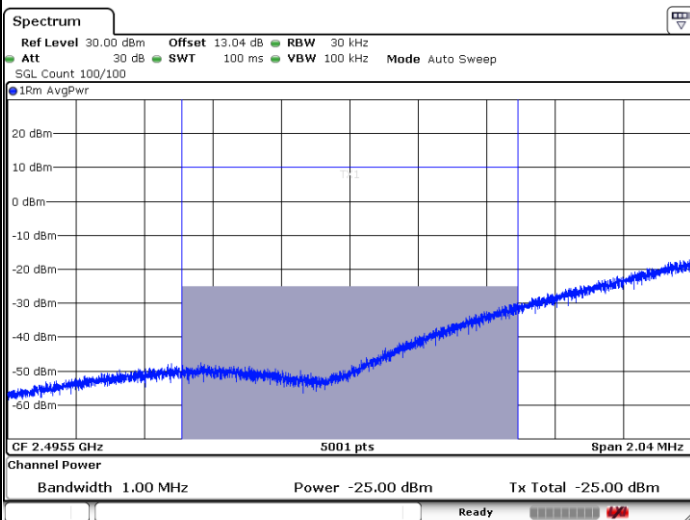


Date: 22.FEB.2021 23:11:08

Date: 22.FEB.2021 23:18:28

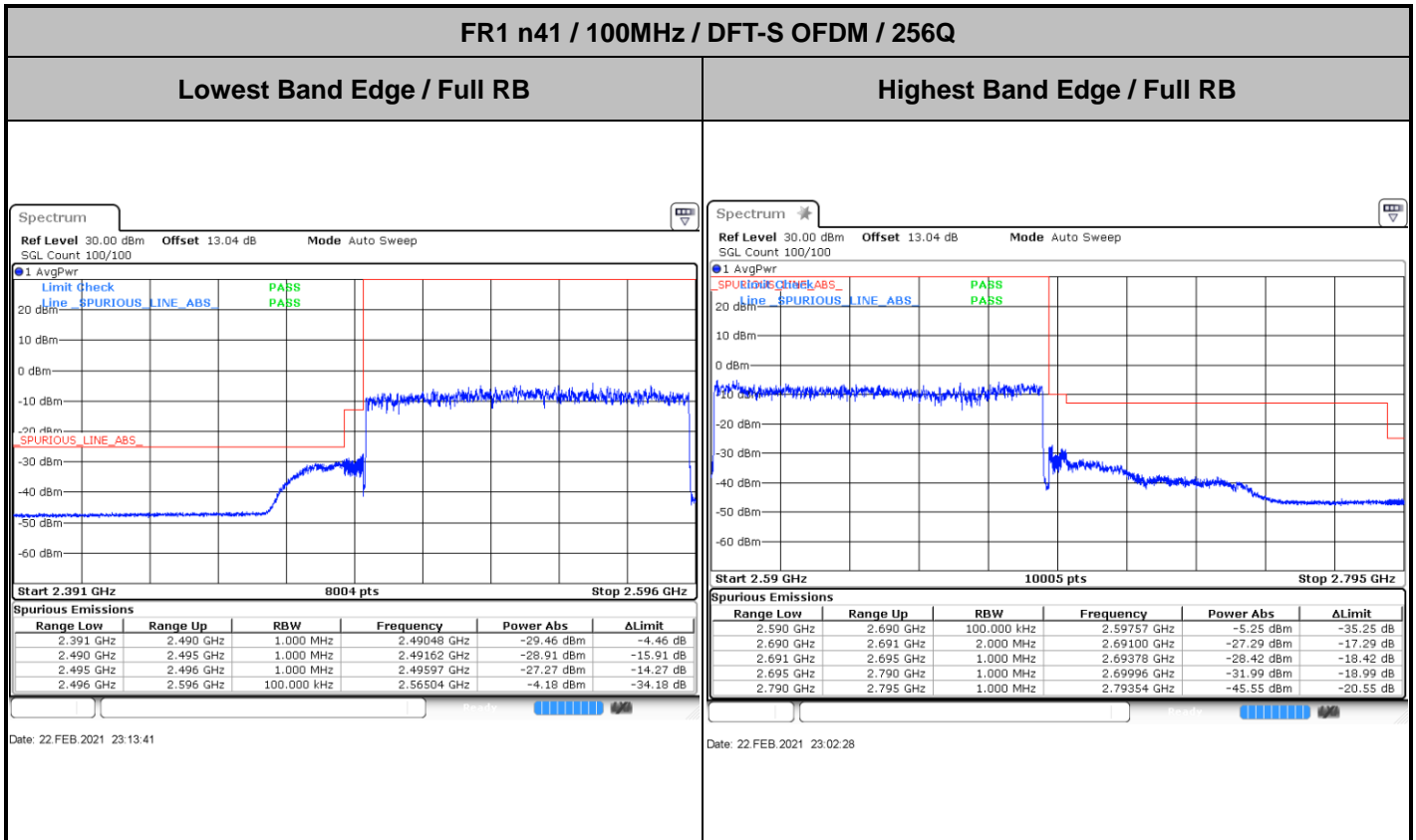
Channel Power < -13dBm Pass

Channel Power < -10dBm Pass



Date: 23.FEB.2021 01:40:42

Date: 23.FEB.2021 01:42:13



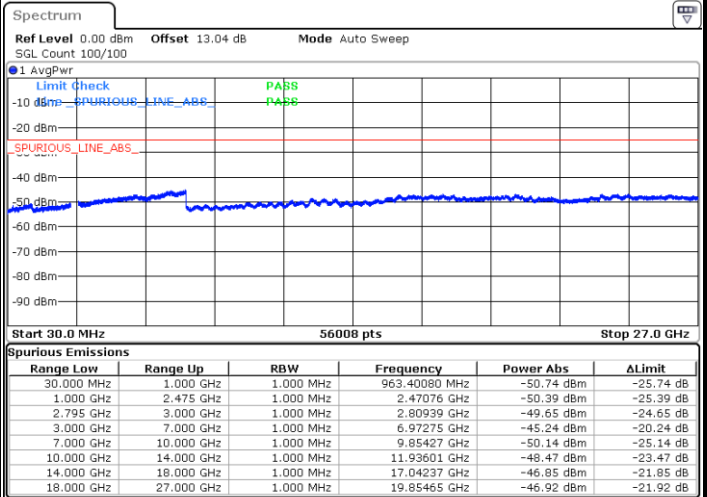
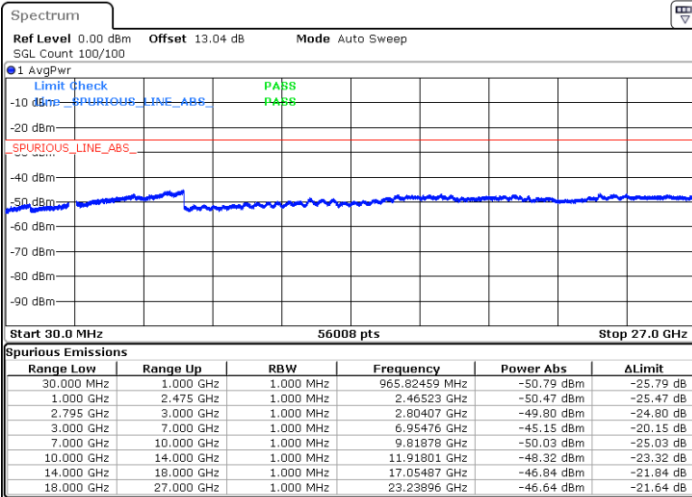


# Conducted Spurious Emission

FR1 n41 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0

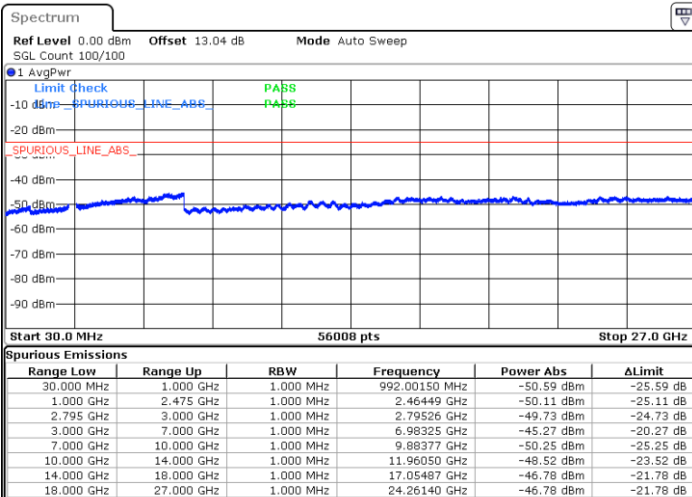
Middle Channel / 1RB0



Date: 22 FEB 2021 17:07:56

Date: 22 FEB 2021 17:09:42

Highest Channel / 1RB0



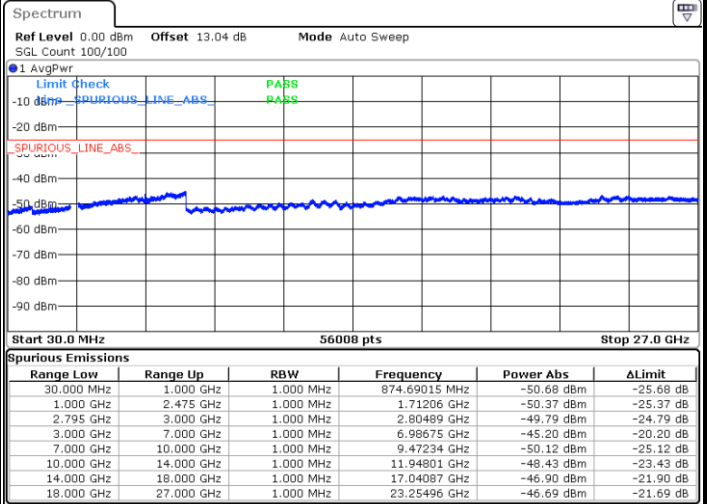
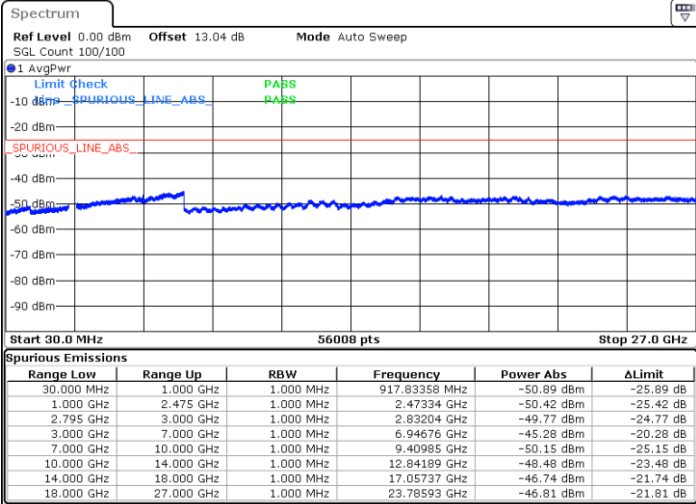
Date: 22 FEB 2021 17:12:05



FR1 n41 / 30MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0

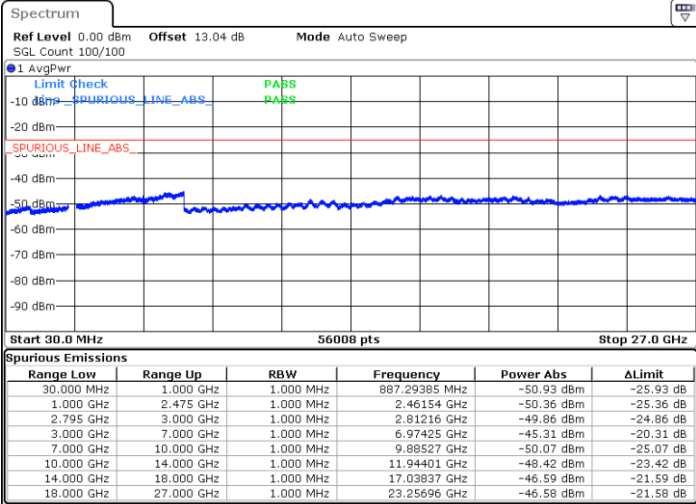
Middle Channel / 1RB0



Date: 23 FEB 2021 11:45:20

Date: 23 FEB 2021 11:43:31

Highest Channel / 1RB0



Date: 23 FEB 2021 11:41:49

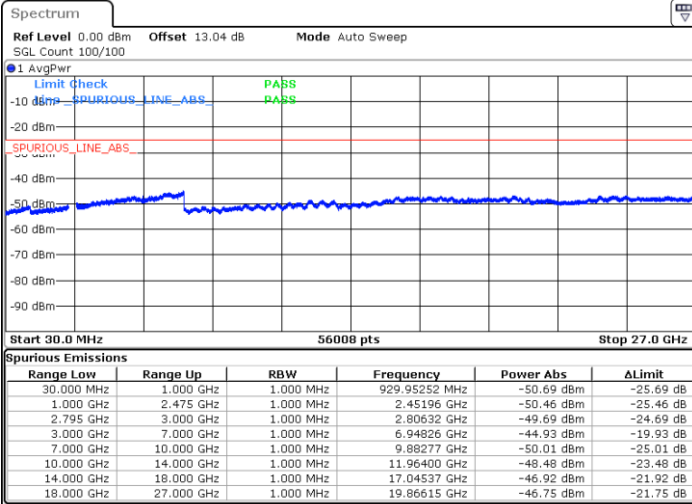




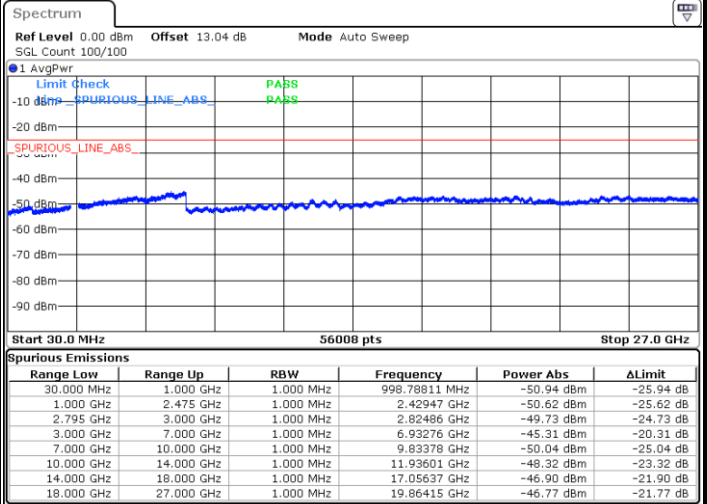
FR1 n41 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

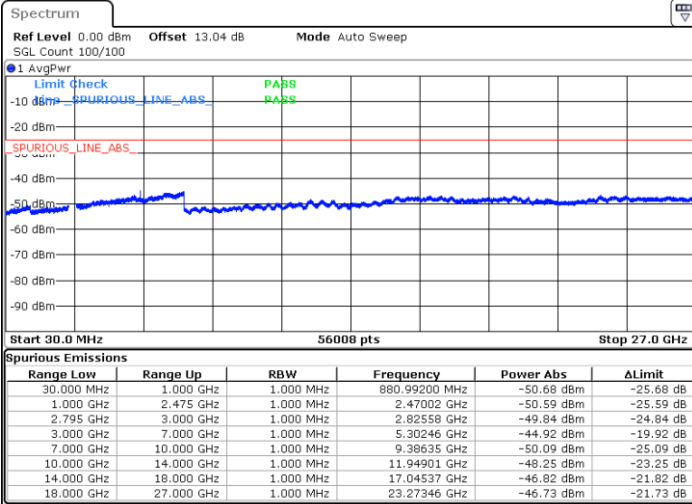


Date: 23 FEB 2021 10:23:49



Date: 23 FEB 2021 10:28:41

Highest Channel / 1RB0



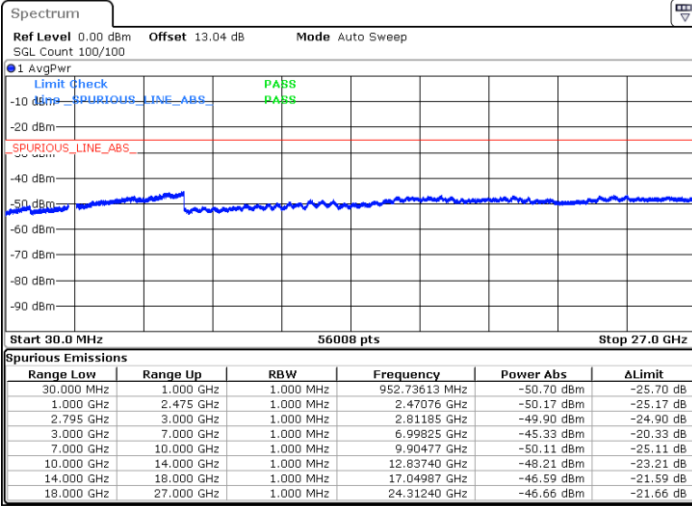
Date: 23 FEB 2021 10:30:29



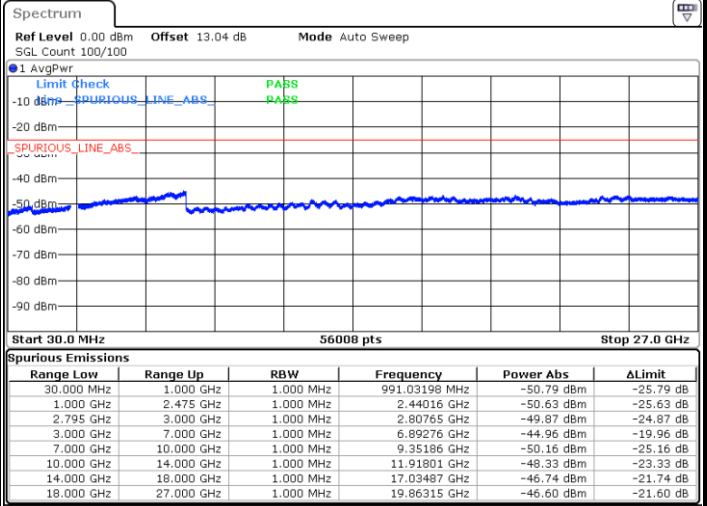
FR1 n41 / 50MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

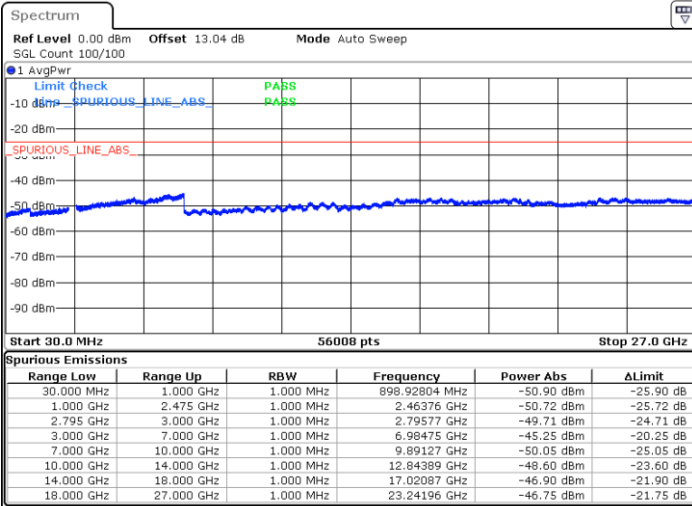


Date: 23 FEB 2021 11:05:02



Date: 23 FEB 2021 11:06:46

Highest Channel / 1RB0



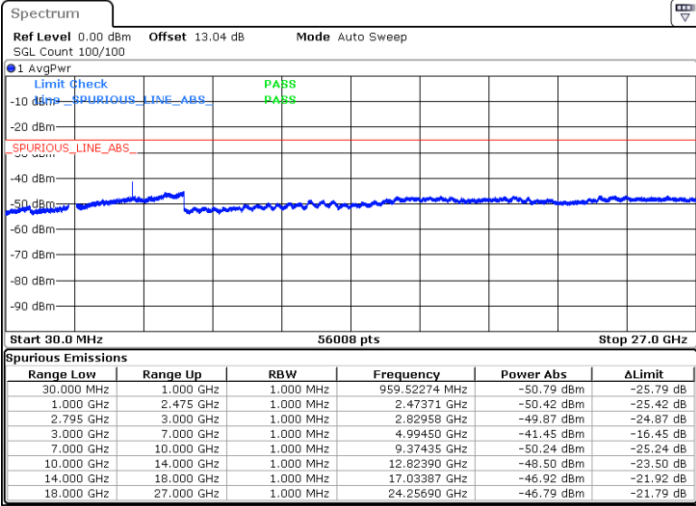
Date: 23 FEB 2021 11:08:30



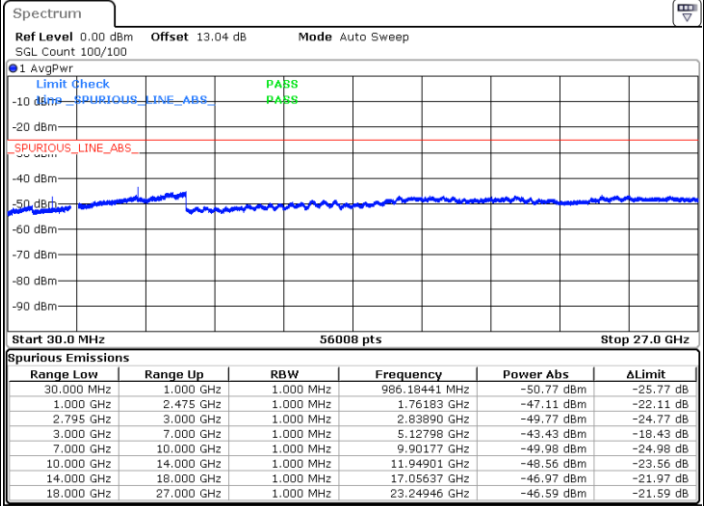
FR1 n41 / 60MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

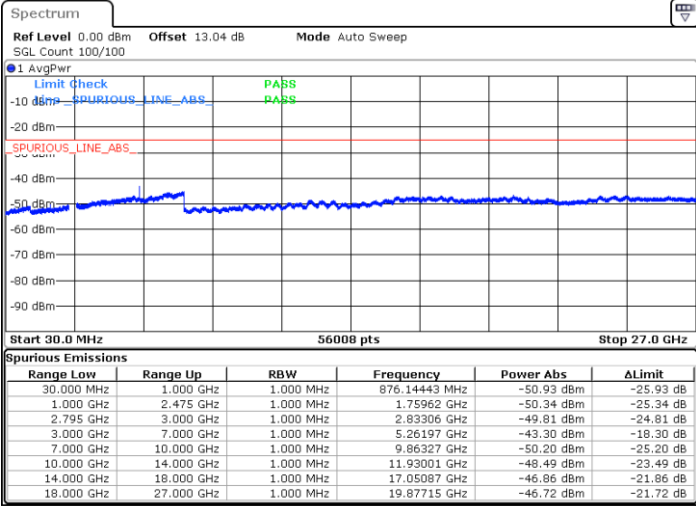


Date: 23 FEB 2021 03:17:41



Date: 23 FEB 2021 03:11:16

Highest Channel / 1RB0



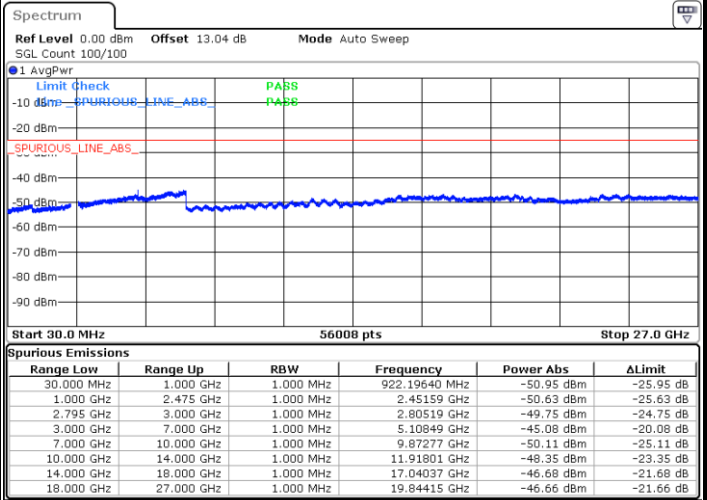
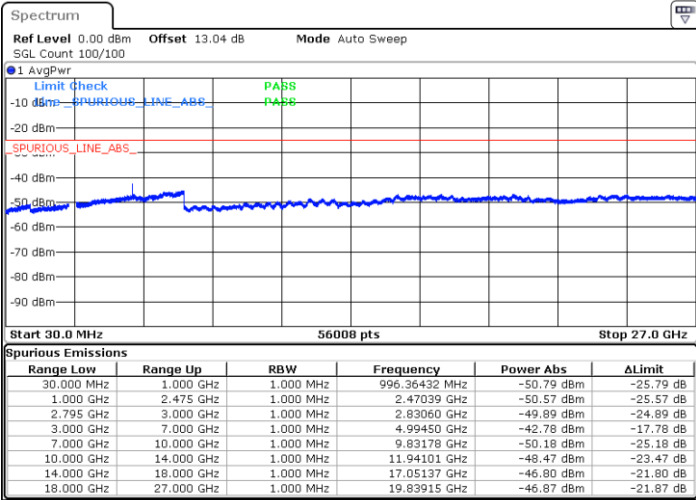
Date: 24 FEB 2021 02:17:38



FR1 n41 / 80MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0

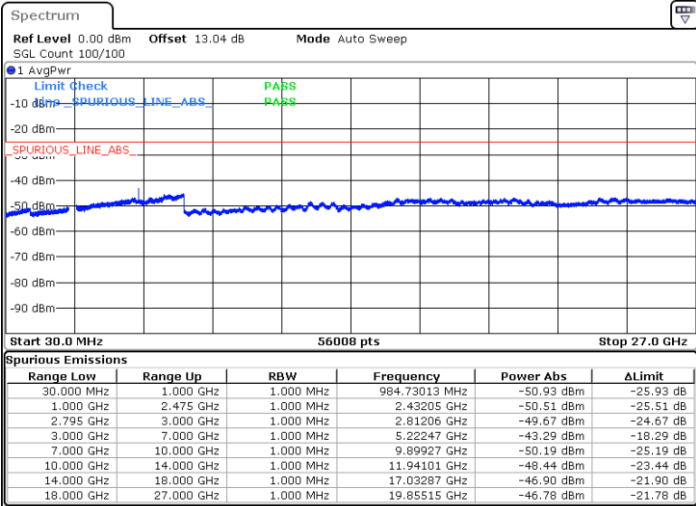
Middle Channel / 1RB0



Date: 23 FEB 2021 01:57:25

Date: 23 FEB 2021 01:55:11

Highest Channel / 1RB0



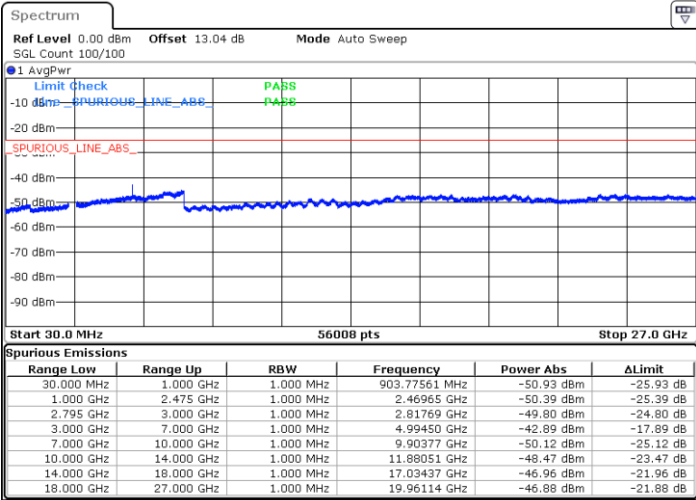
Date: 24 FEB 2021 02:21:07



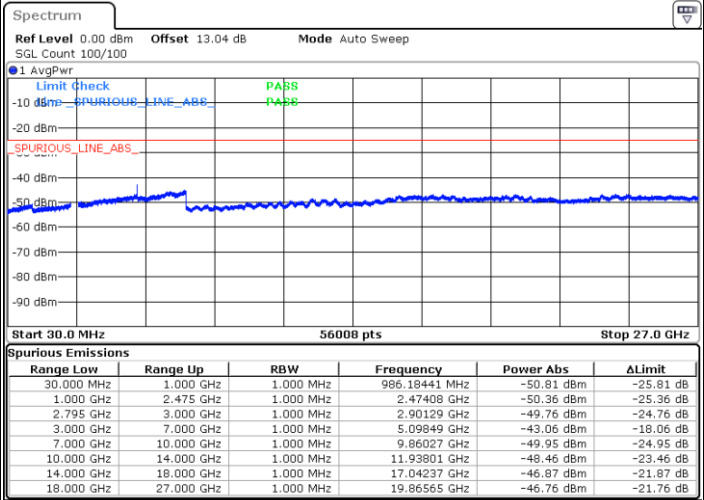
FR1 n41 / 90MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0

Middle Channel / 1RB0

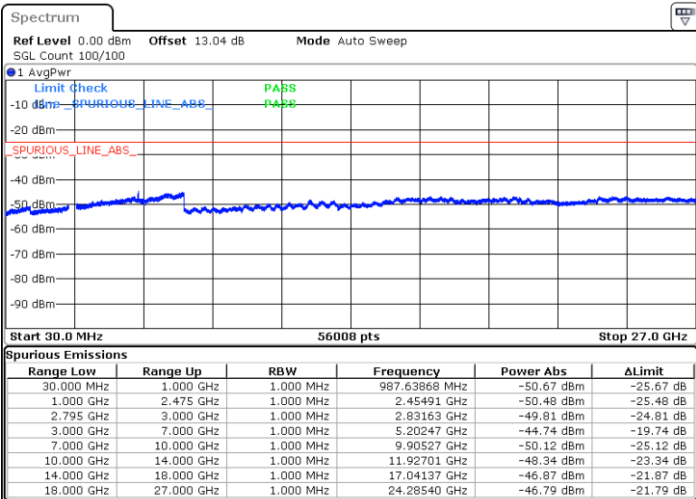


Date: 23 FEB 2021 00:13:45



Date: 23 FEB 2021 00:08:37

Highest Channel / 1RB0



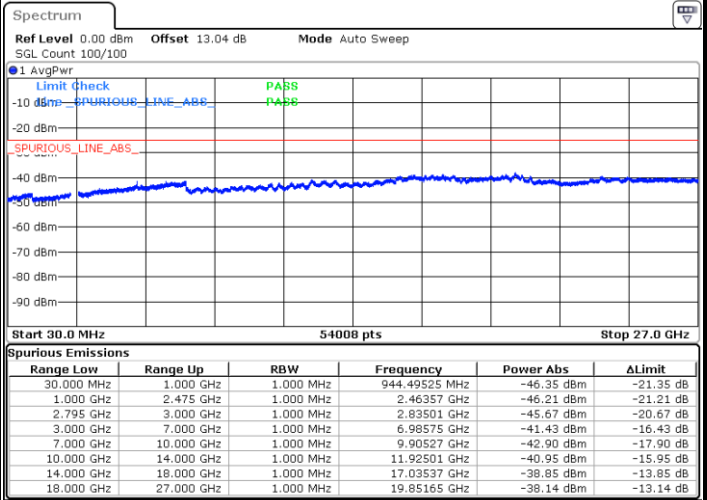
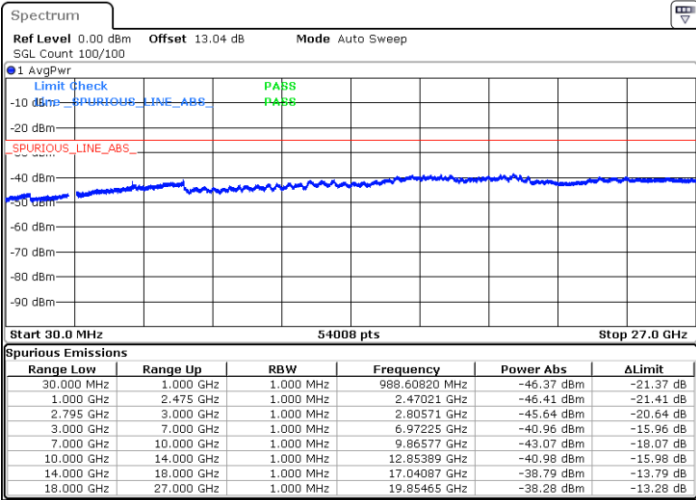
Date: 23 FEB 2021 01:32:04



FR1 n41 / 100MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB0

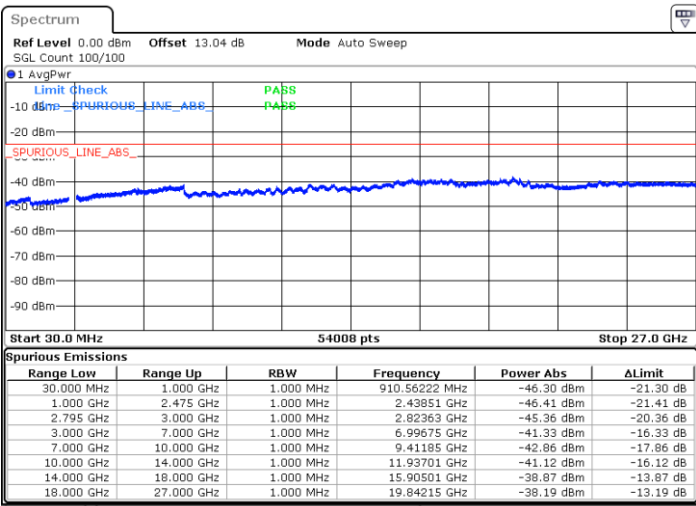
Middle Channel / 1RB0



Date: 22 FEB 2021 22:30:53

Date: 22 FEB 2021 22:25:26

Highest Channel / 1RB0



Date: 22 FEB 2021 22:51:38



### Frequency Stability

Test Conditions		FR1 n41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 100MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0022	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0005	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0026	

**Note:**

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



## 5G NR n66

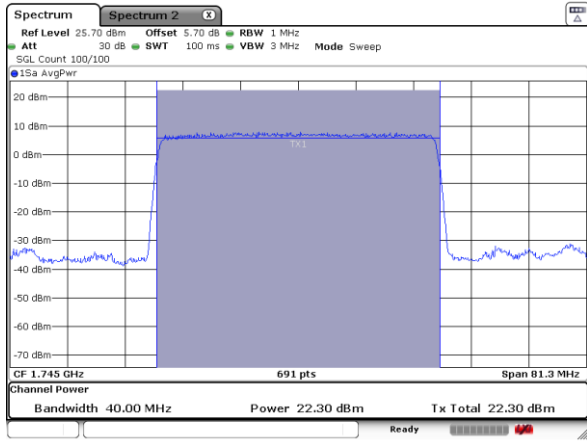
### Peak-to-Average Ratio

Mode	FR1 n66 / 40MHz / 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	6.73	6.73	6.6	6.79	PASS
Mode	FR1 n66 / 40MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.78				PASS

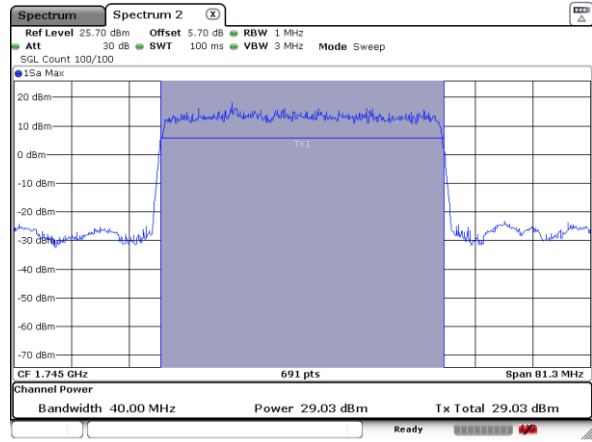




BPSK

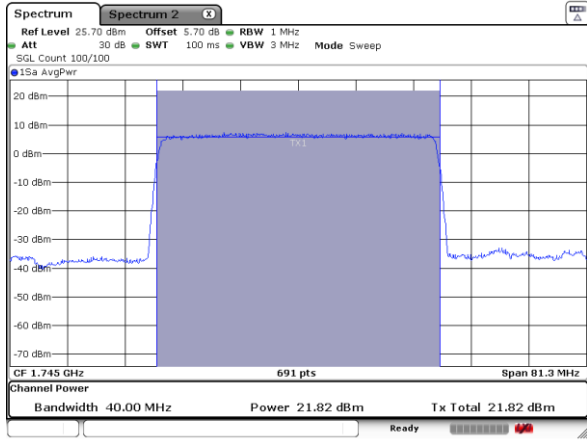


Date: 13.FEB.2021 07:56:39

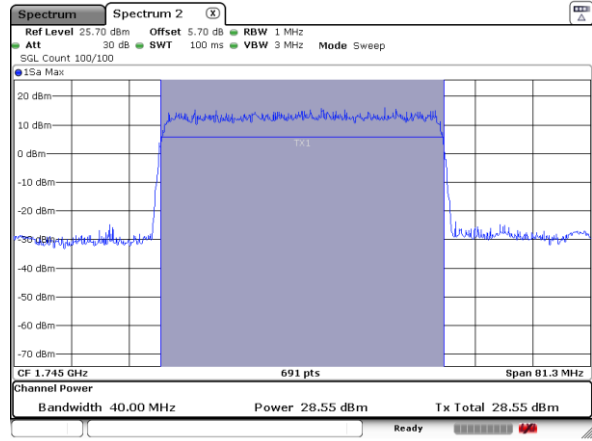


Date: 13.FEB.2021 07:50:01

QPSK

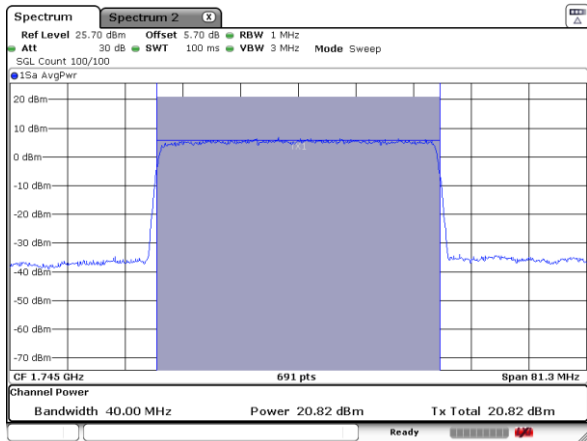


Date: 13.FEB.2021 07:56:03

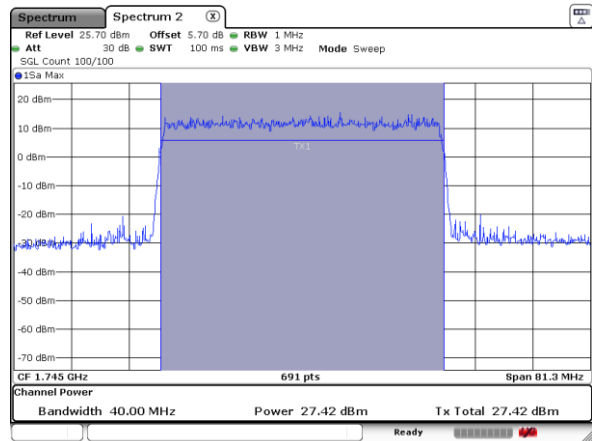


Date: 13.FEB.2021 07:51:10

16QAM



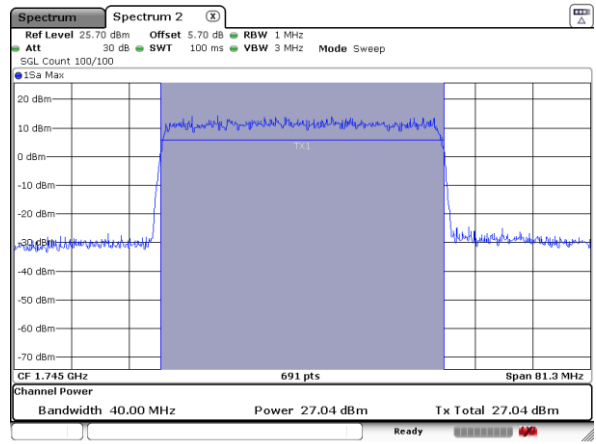
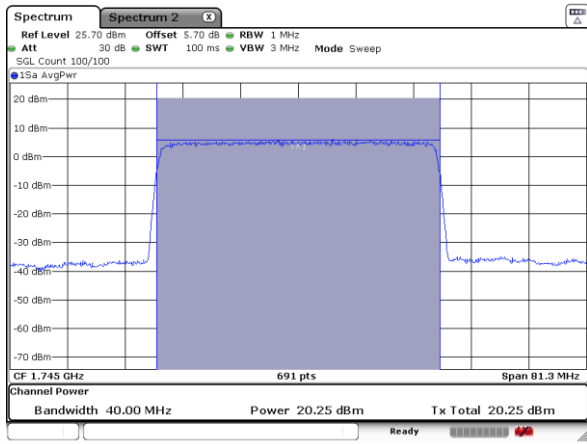
Date: 13.FEB.2021 07:55:37



Date: 13.FEB.2021 07:51:49



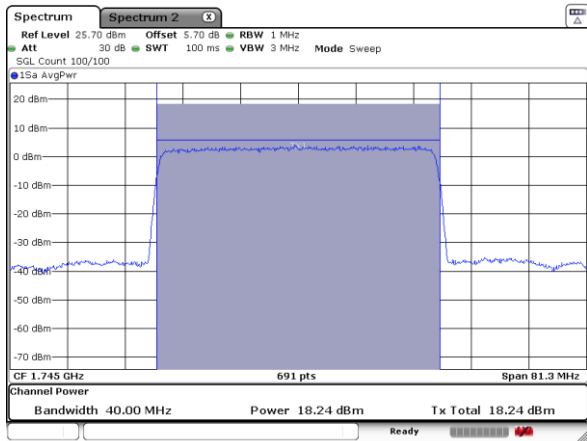
### 64QAM



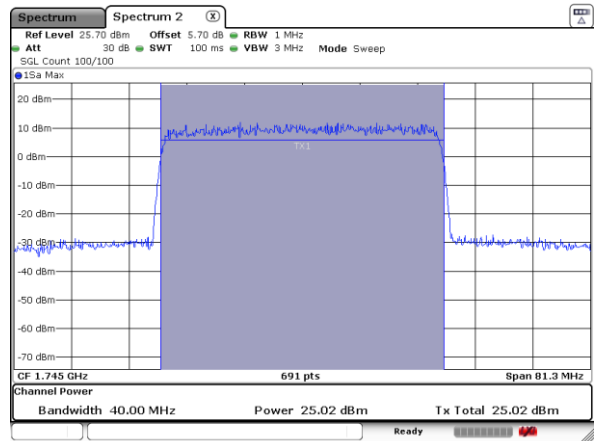
Date: 13.FEB.2021 07:55:03

Date: 13.FEB.2021 07:52:13

### 256QAM



Date: 13.FEB.2021 07:54:36

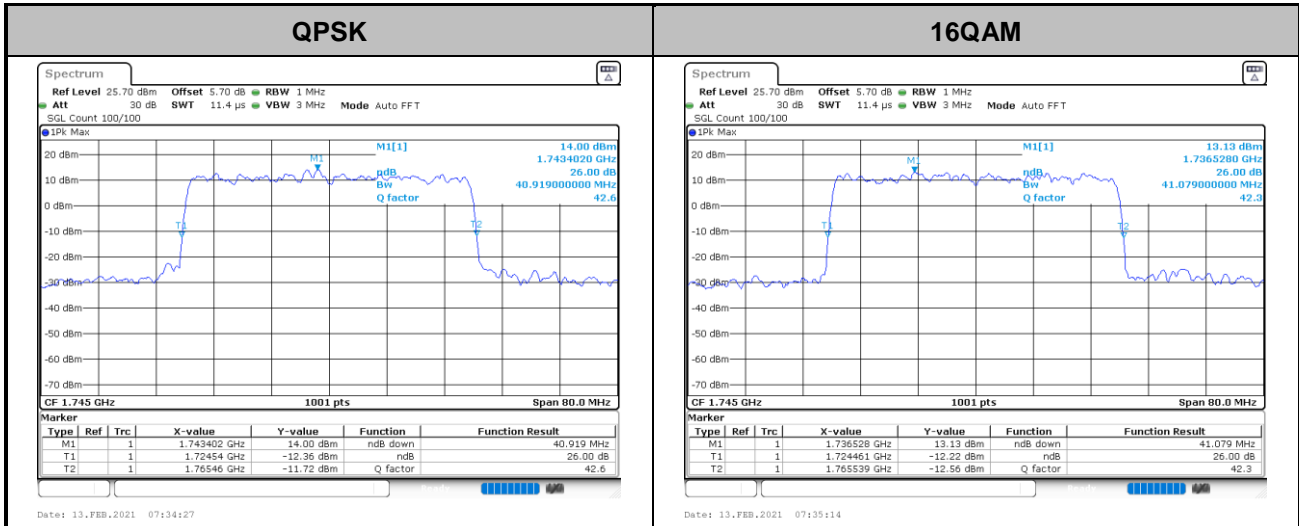


Date: 13.FEB.2021 07:53:17



## 26dB Bandwidth

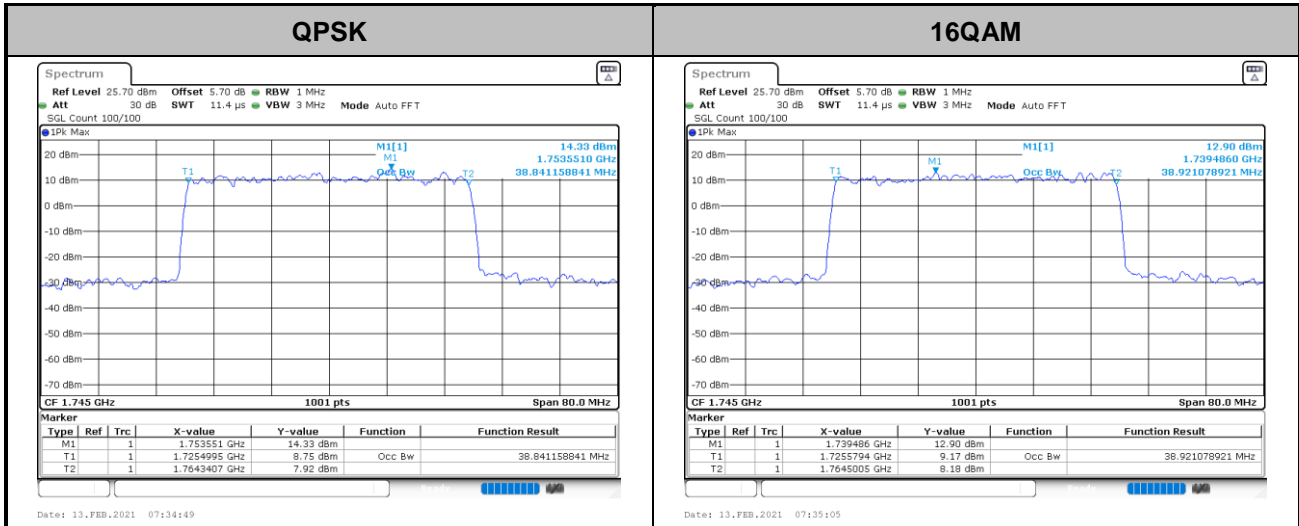
<b>Mode</b>	<b>FR1 n66 : 26dB BW(MHz) / DFT-S OFDM</b>	
<b>BW</b>	<b>40MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	<b>40.919</b>	<b>41.079</b>





## Occupied Bandwidth

Mode	FR1 n66 : 99%OBW(MHz) / DFT-S OFDM	
BW	40MHz	
Mod.	QPSK	16QAM
Middle CH	38.841	38.921



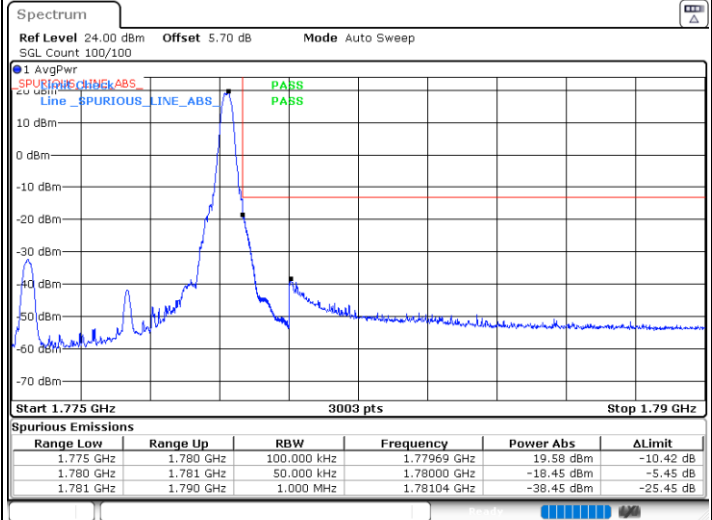
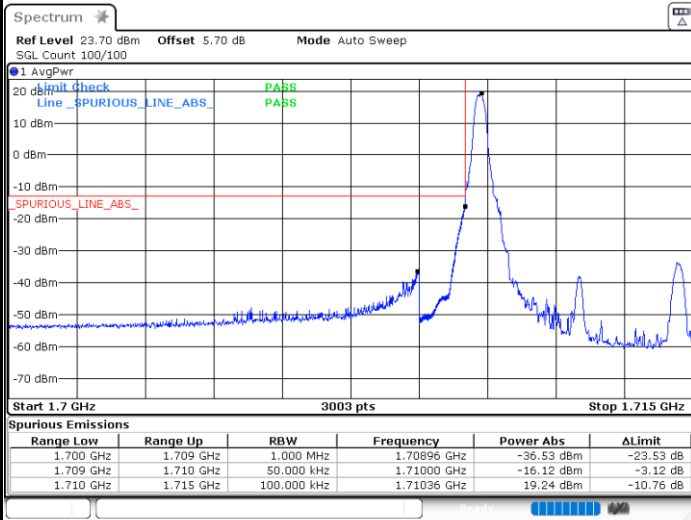


# Conducted Band Edge

FR1 n66 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

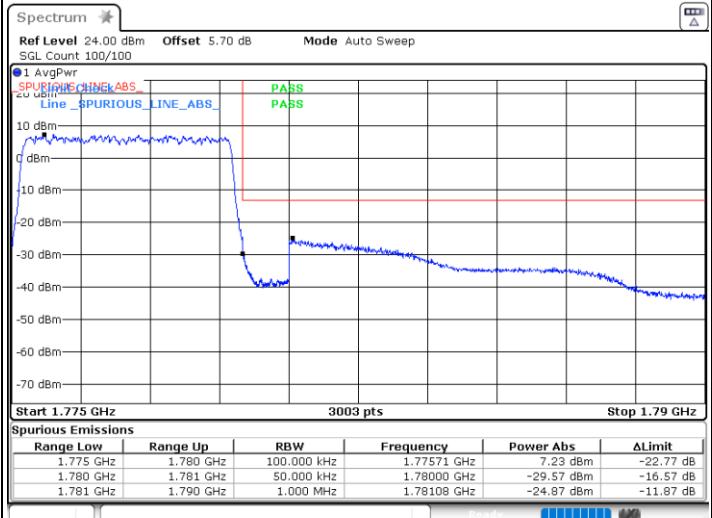
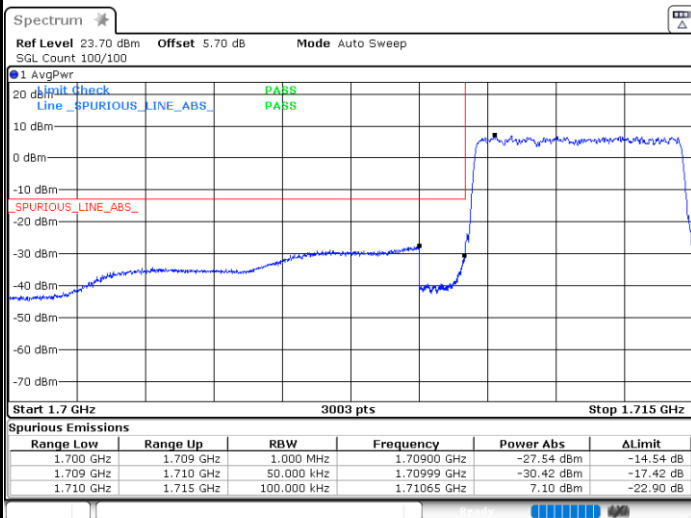


Date: 13.FEB.2021 02:45:23

Date: 13.FEB.2021 03:05:43

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 02:56:02

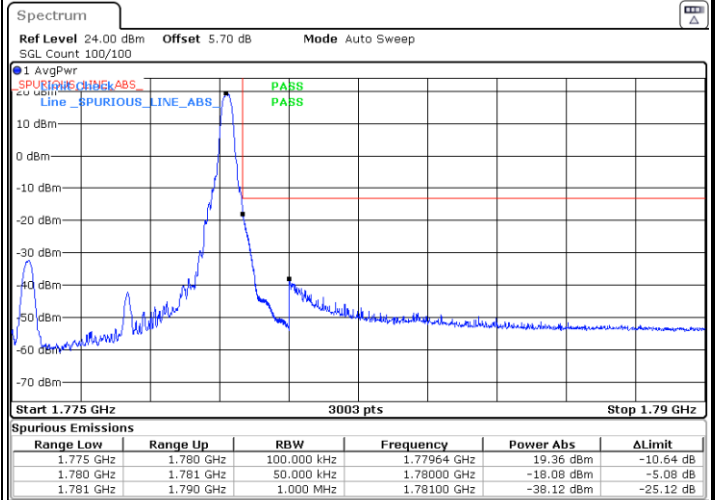
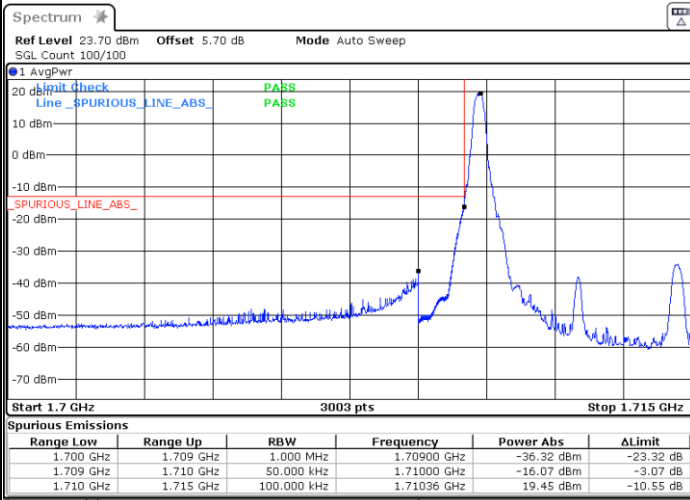
Date: 13.FEB.2021 02:57:52



FR1 n66 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

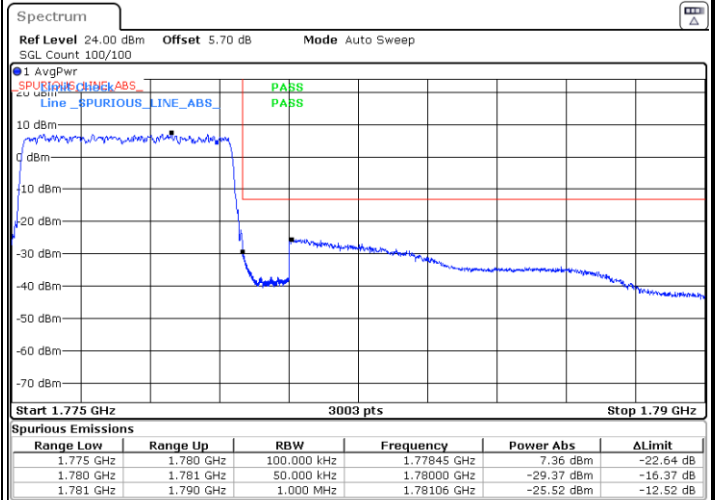
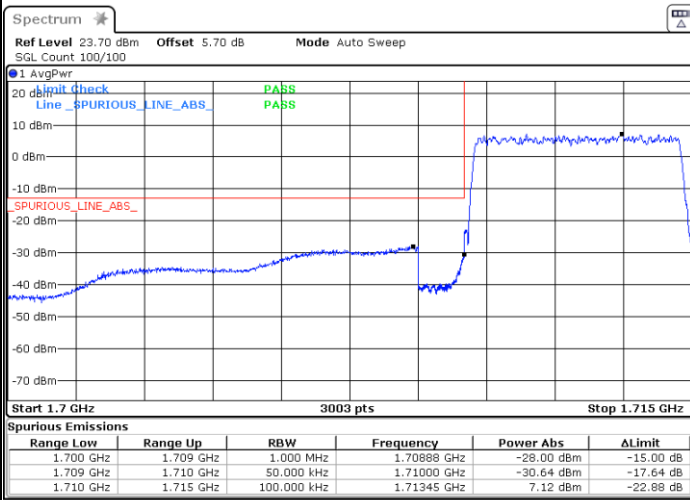


Date: 13.FEB.2021 02:46:50

Date: 13.FEB.2021 03:05:27

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 02:55:31

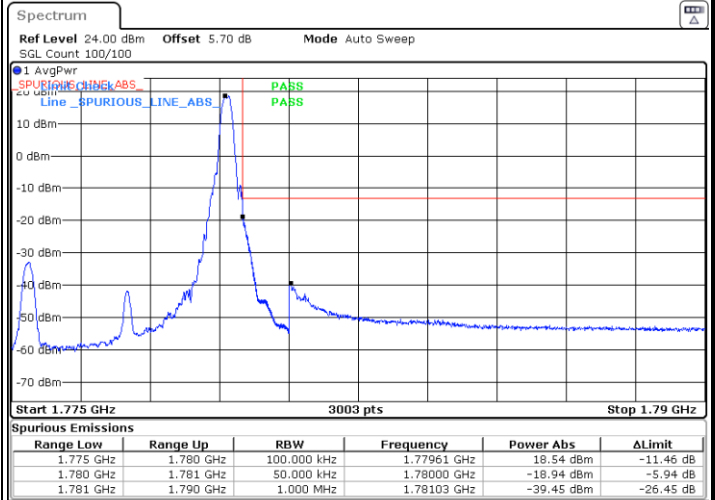
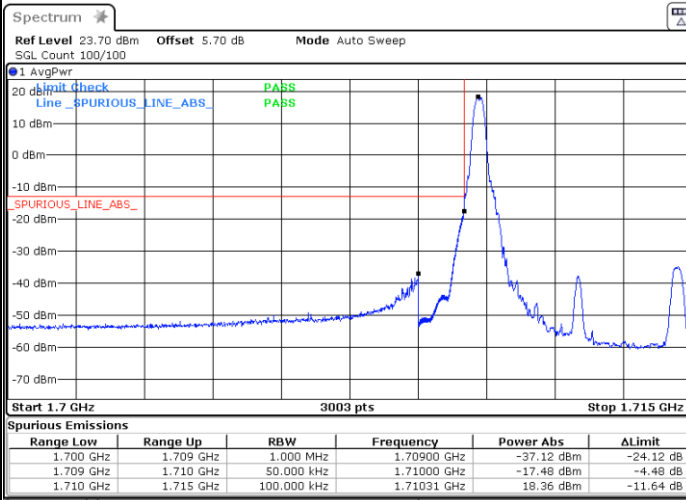
Date: 13.FEB.2021 02:58:13



FR1 n66 / 5MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

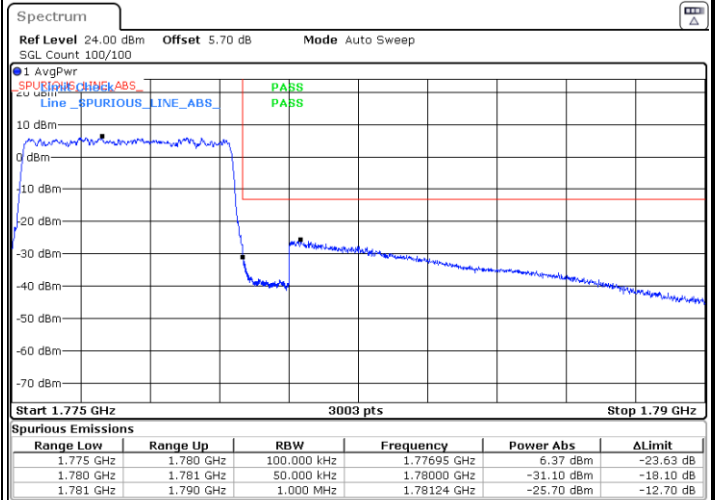
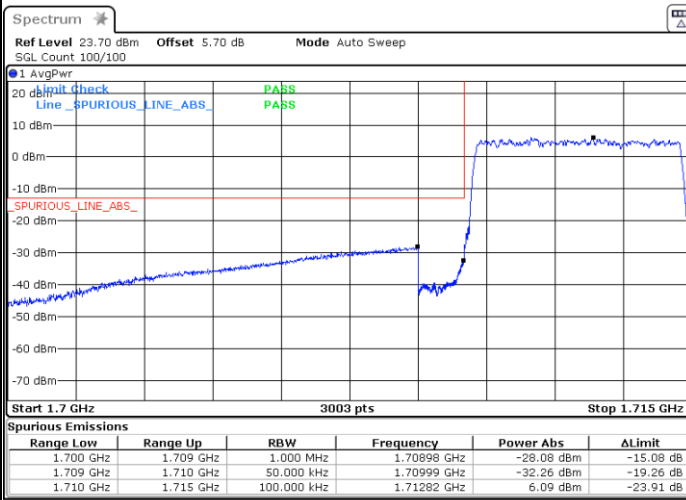


Date: 13.FEB.2021 02:48:12

Date: 13.FEB.2021 03:04:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 02:54:53

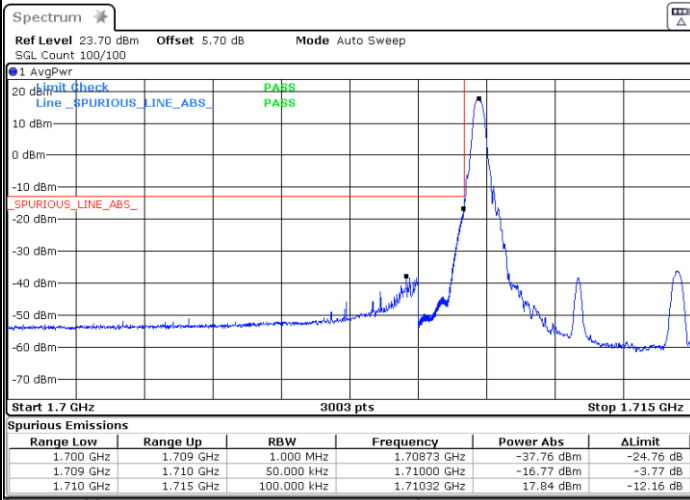
Date: 13.FEB.2021 02:59:35



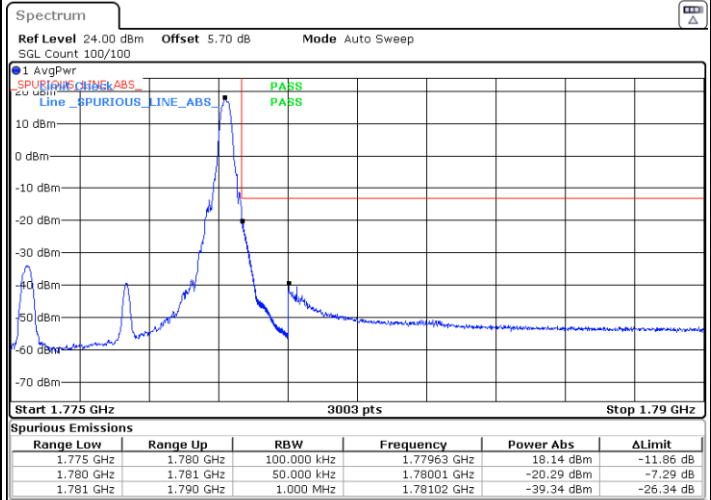
FR1 n66 / 5MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



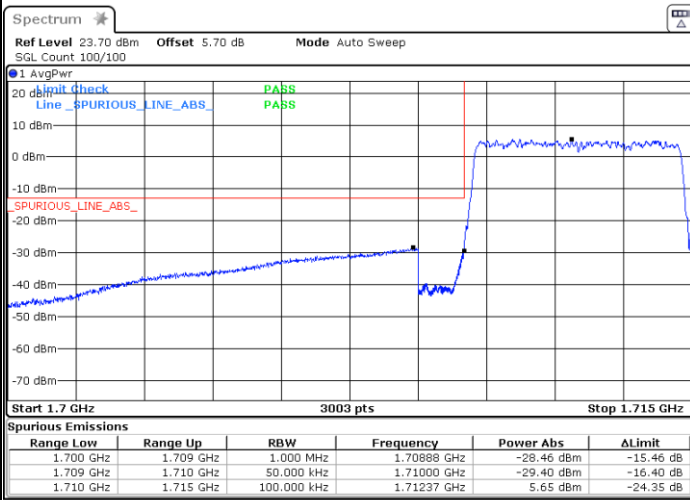
Date: 13.FEB.2021 02:49:22



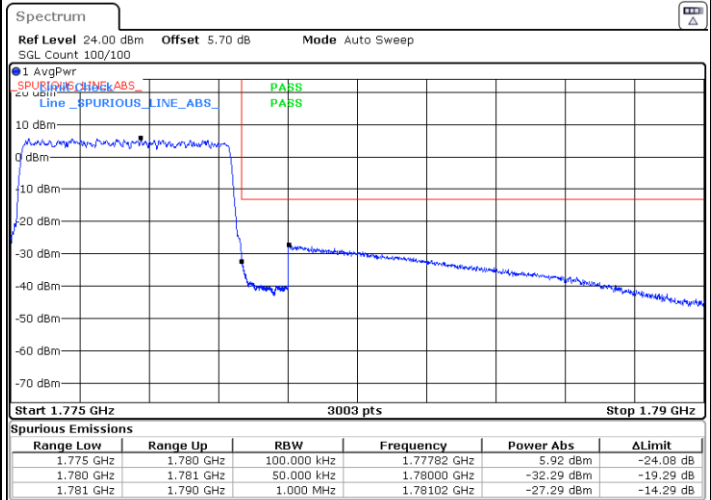
Date: 13.FEB.2021 03:04:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 02:54:16



Date: 13.FEB.2021 03:00:23

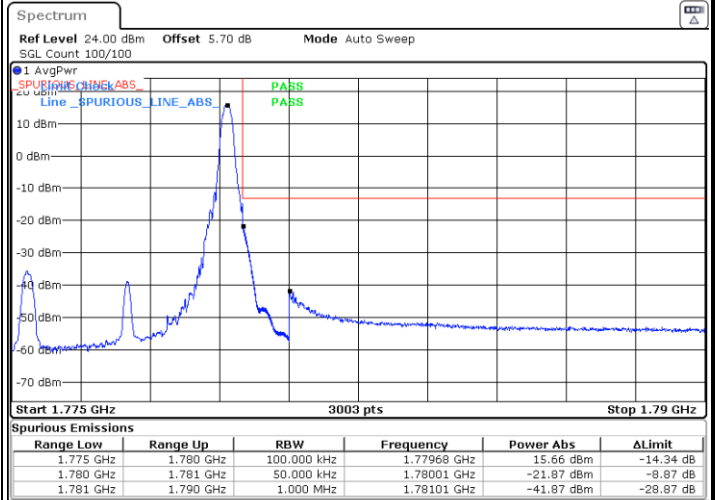
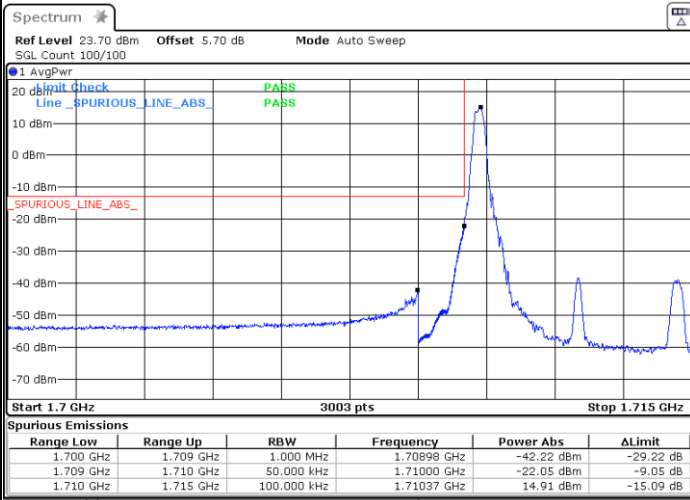




FR1 n66 / 5MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

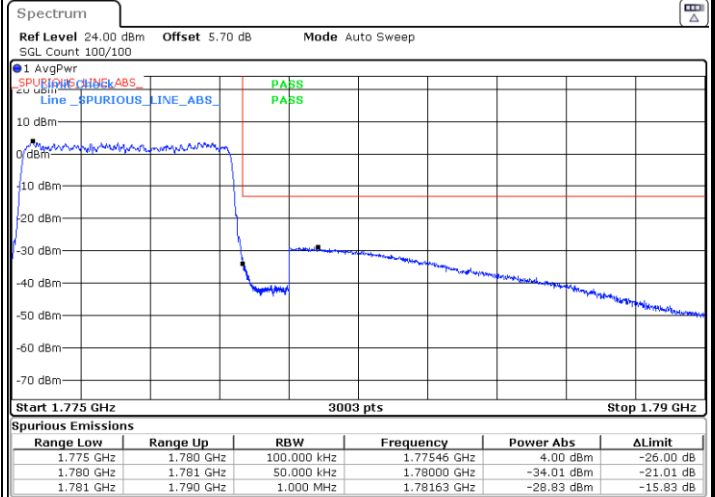
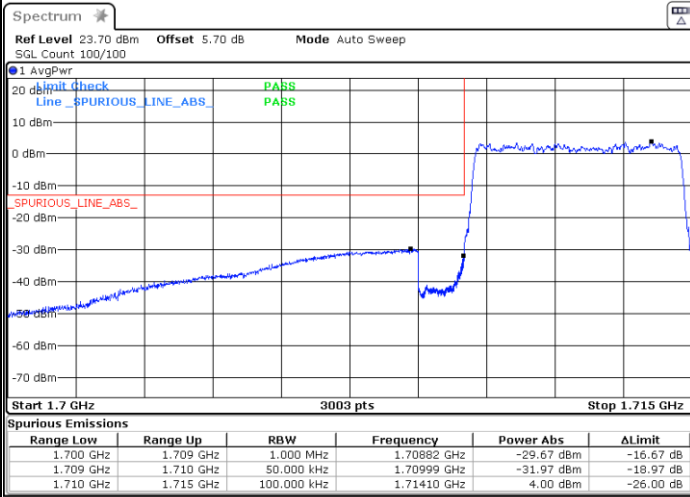


Date: 13.FEB.2021 02:50:27

Date: 13.FEB.2021 03:02:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 02:53:27

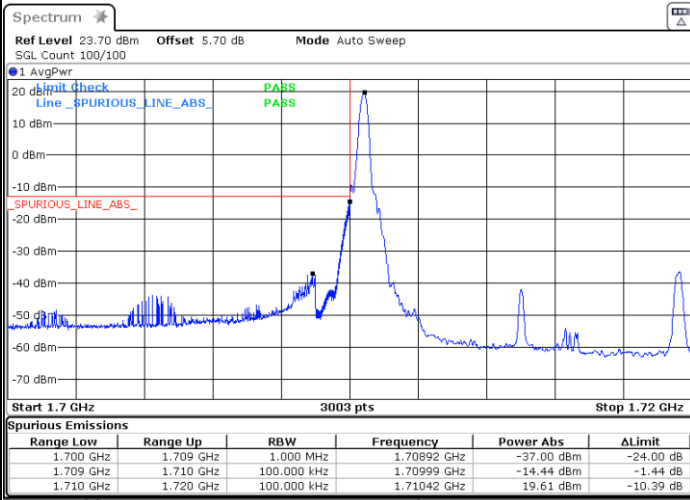
Date: 13.FEB.2021 03:01:28



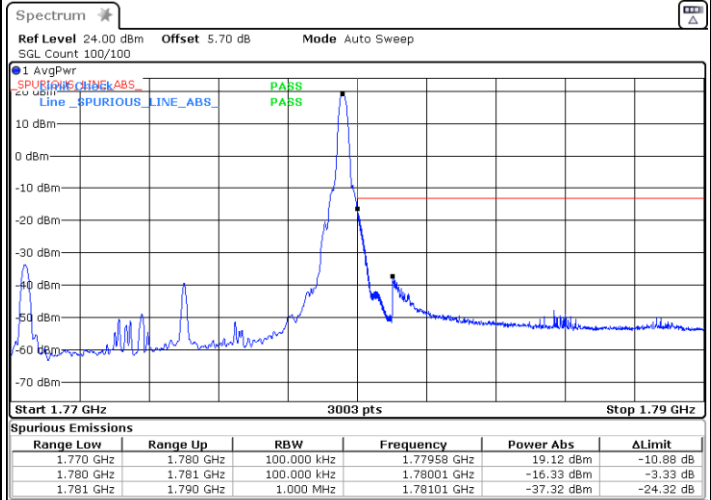
FR1 n66 / 10MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



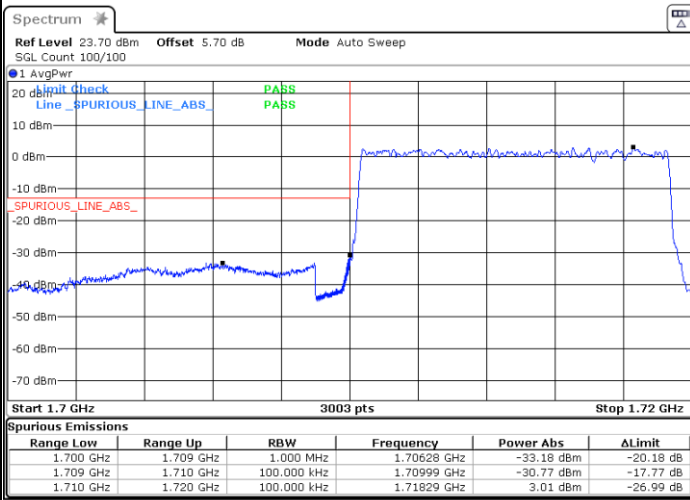
Date: 13.FEB.2021 03:08:01



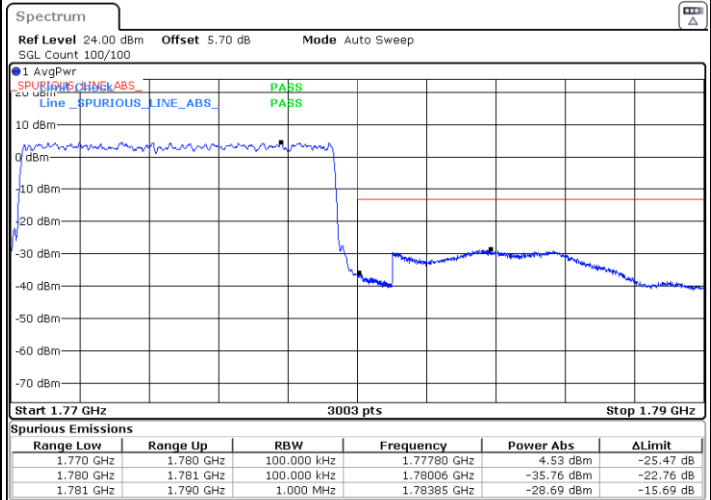
Date: 13.FEB.2021 03:20:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 03:13:20



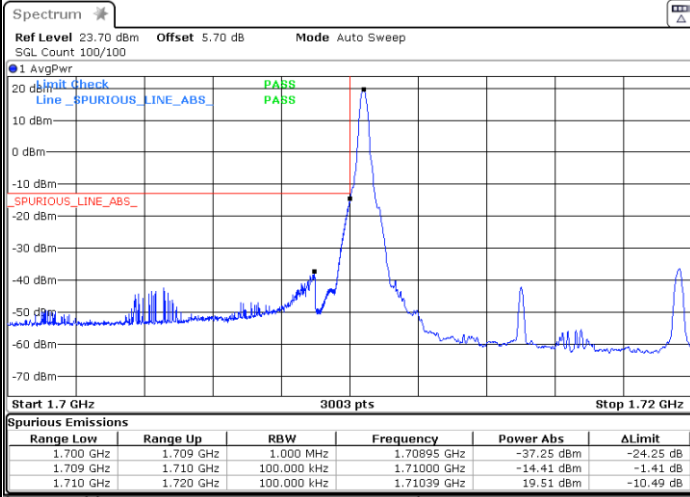
Date: 13.FEB.2021 03:15:29



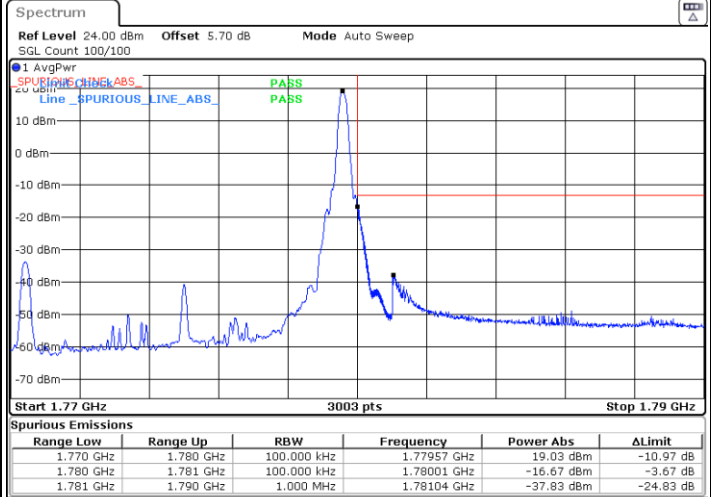
FR1 n66 / 10MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



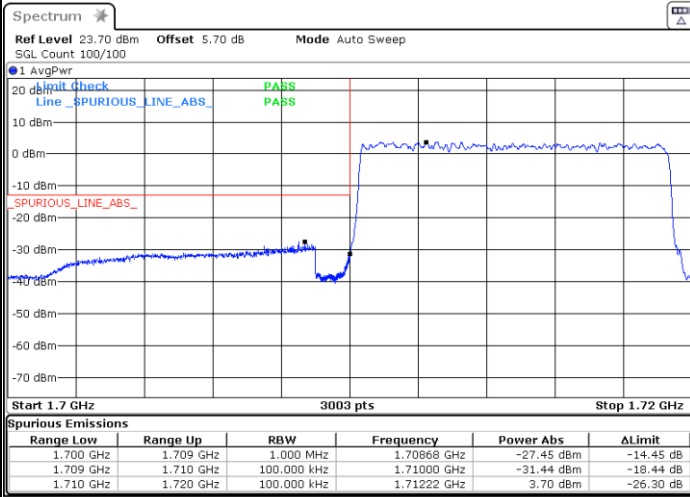
Date: 13.FEB.2021 03:09:01



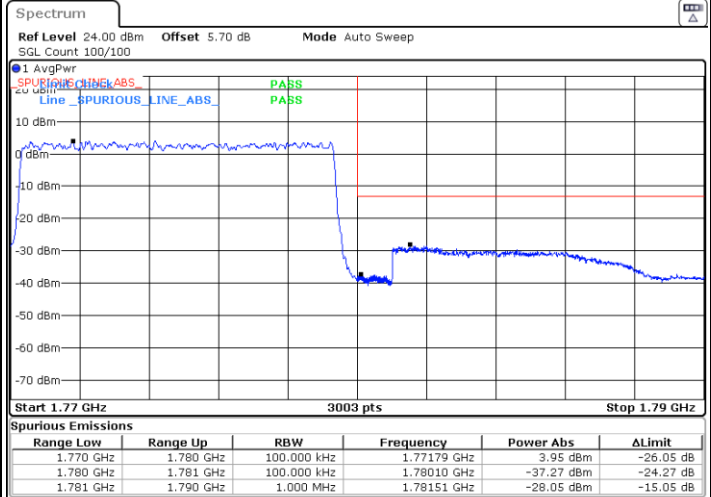
Date: 13.FEB.2021 03:20:18

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 03:12:36



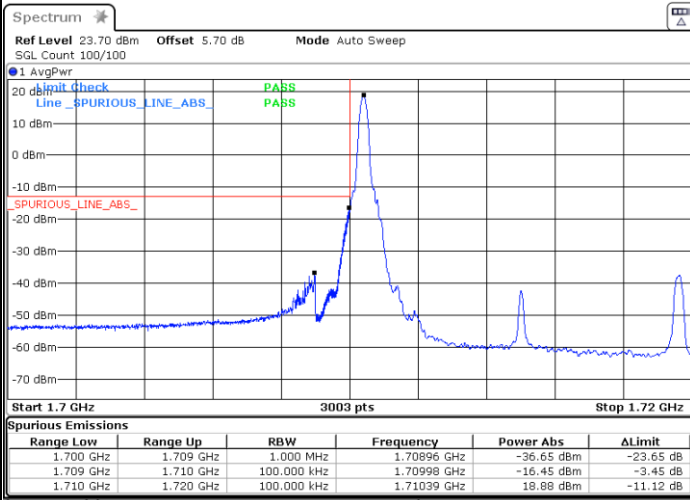
Date: 13.FEB.2021 03:15:49



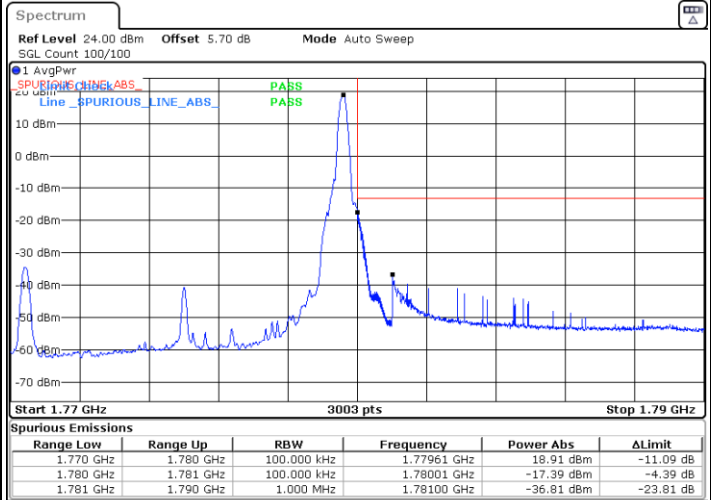
FR1 n66 / 10MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



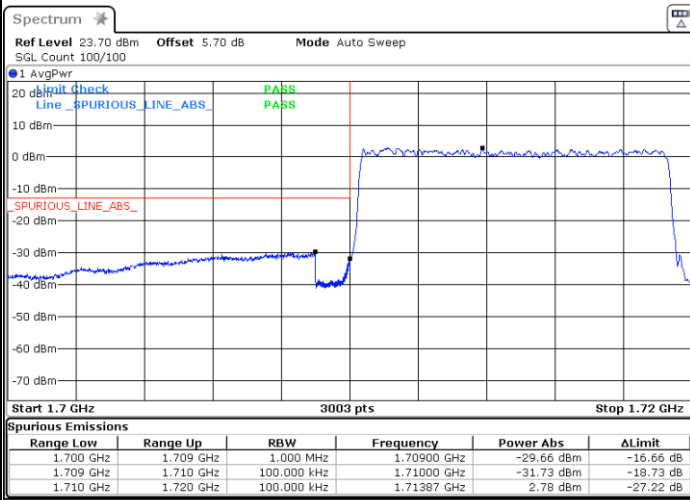
Date: 13.FEB.2021 03:09:24



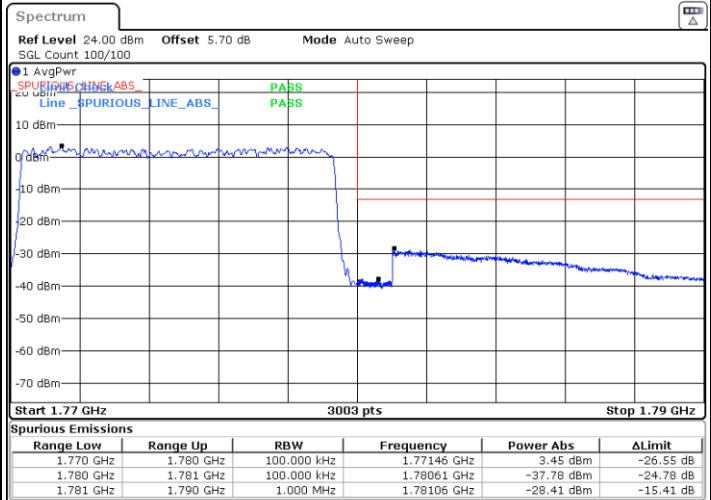
Date: 13.FEB.2021 03:20:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 03:12:15



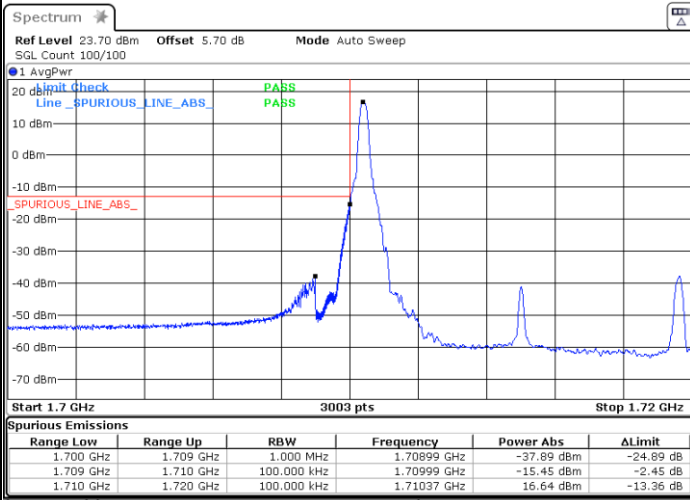
Date: 13.FEB.2021 03:16:14



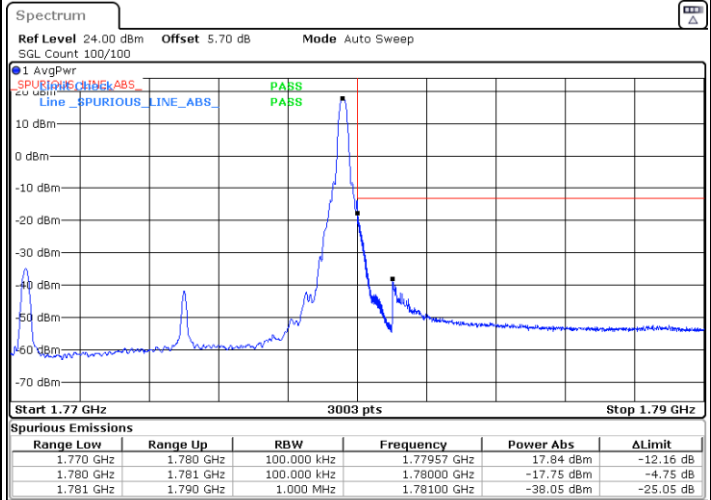
FR1 n66 / 10MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



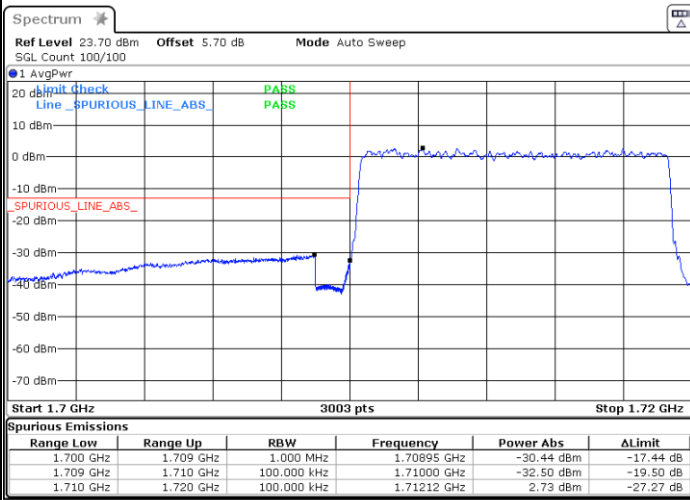
Date: 13.FEB.2021 03:09:49



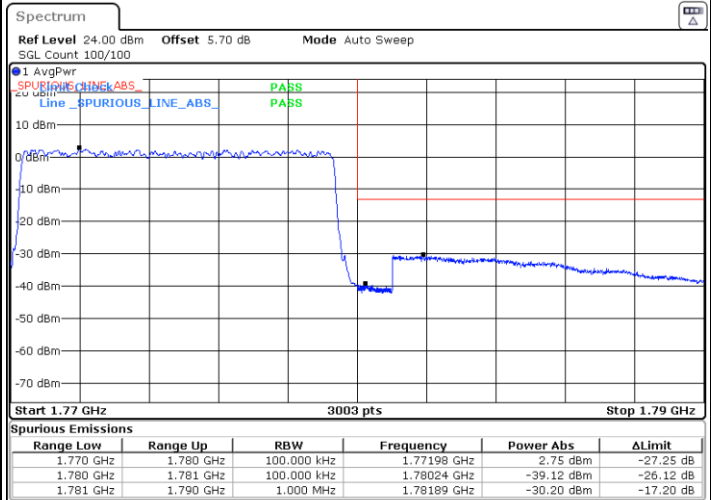
Date: 13.FEB.2021 03:22:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 03:11:56



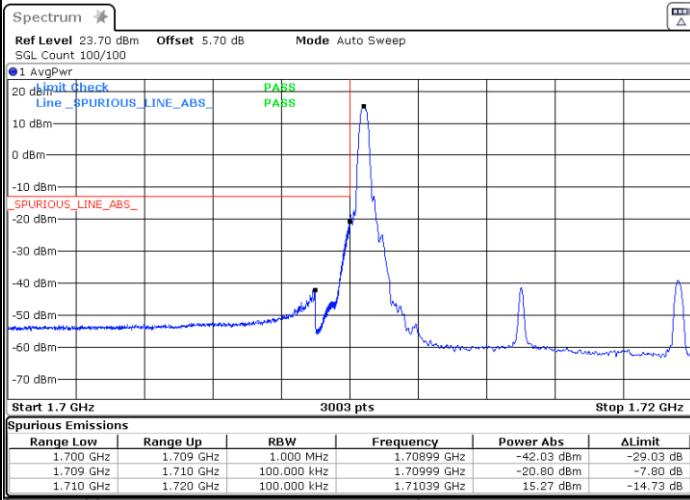
Date: 13.FEB.2021 03:16:29



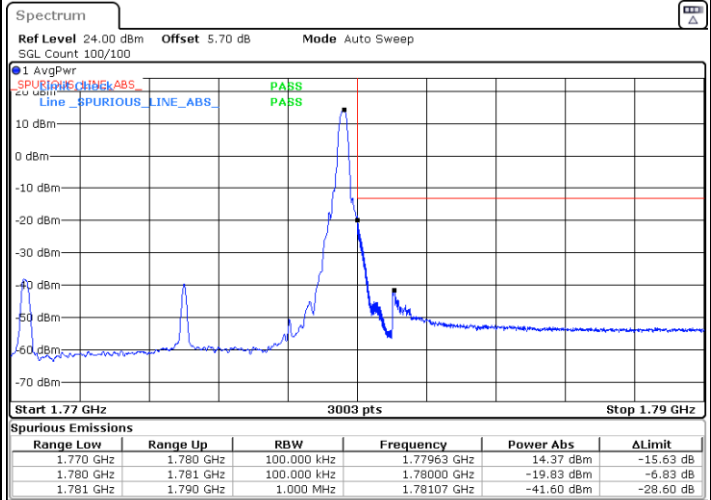
FR1 n66 / 10MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



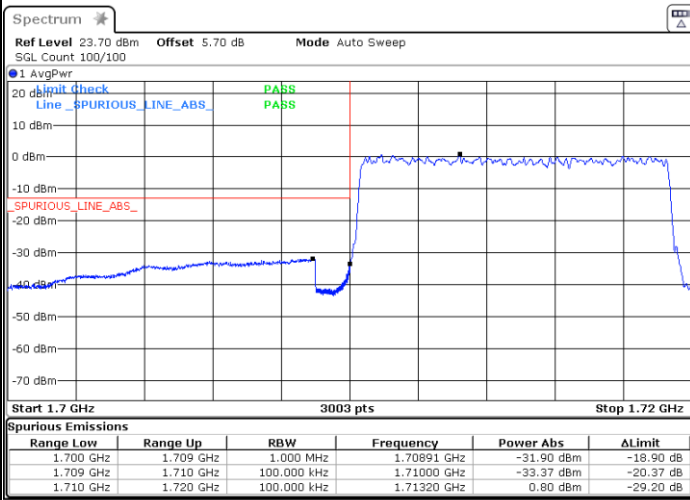
Date: 13.FEB.2021 03:10:51



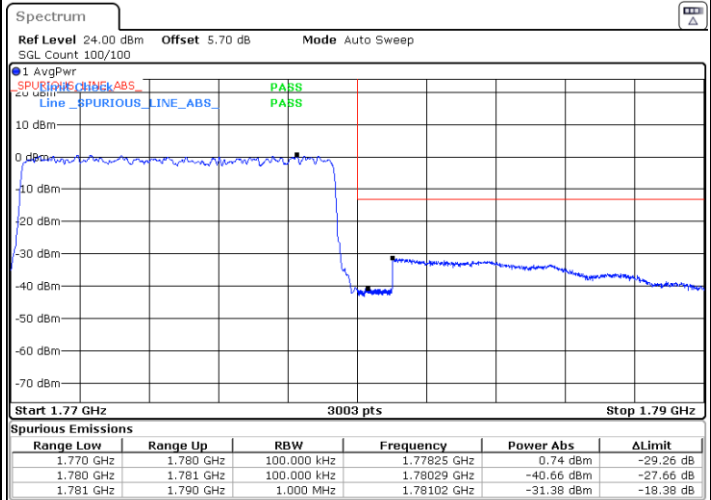
Date: 13.FEB.2021 03:22:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 03:11:34



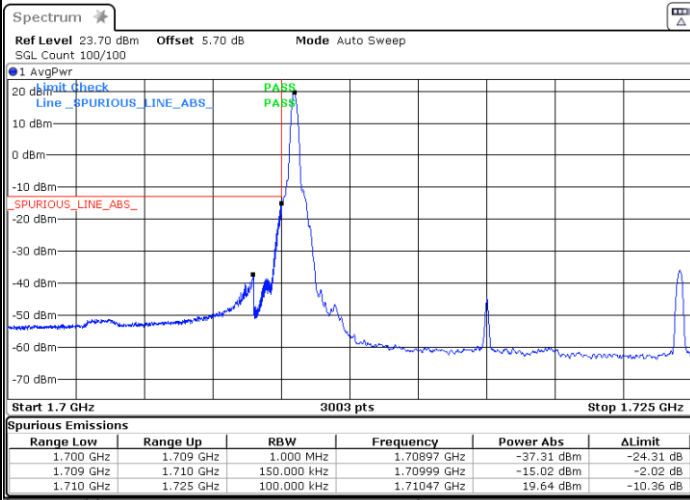
Date: 13.FEB.2021 03:17:23



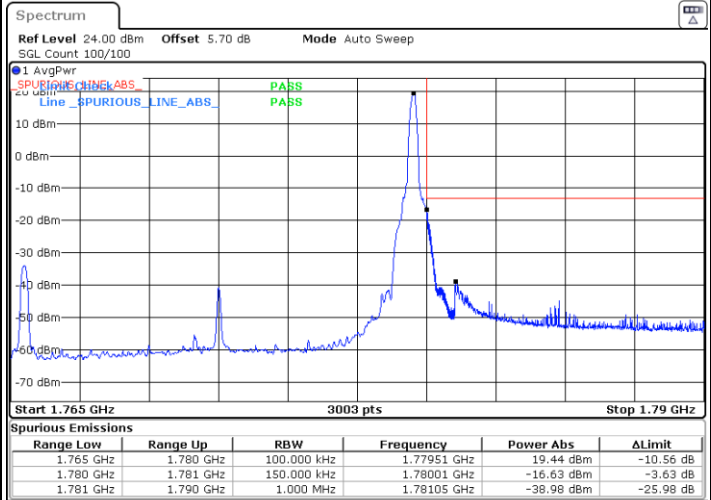
FR1 n66 / 15MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



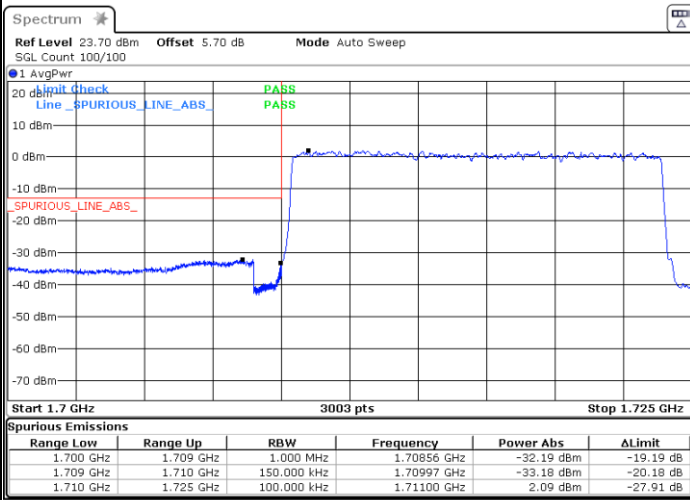
Date: 13.FEB.2021 03:32:21



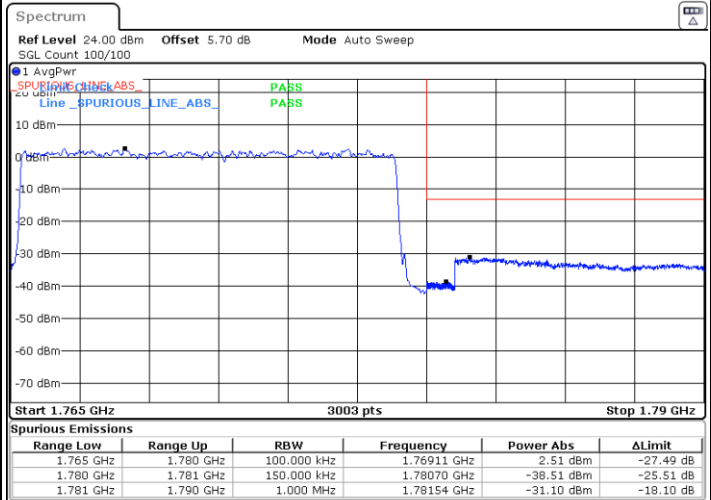
Date: 13.FEB.2021 04:04:29

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 03:57:02



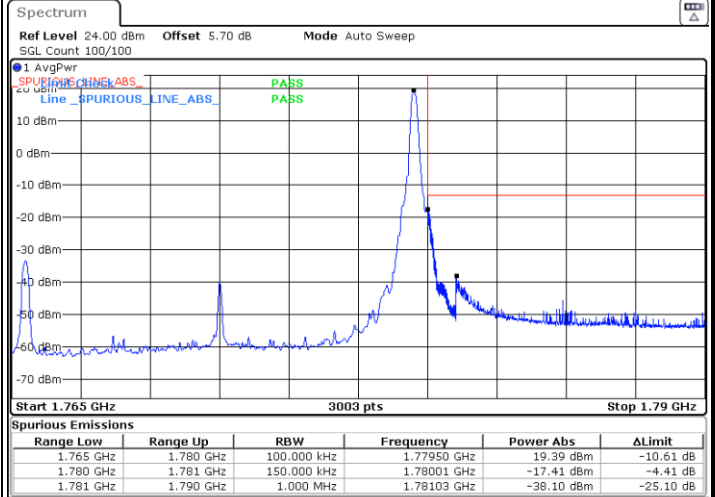
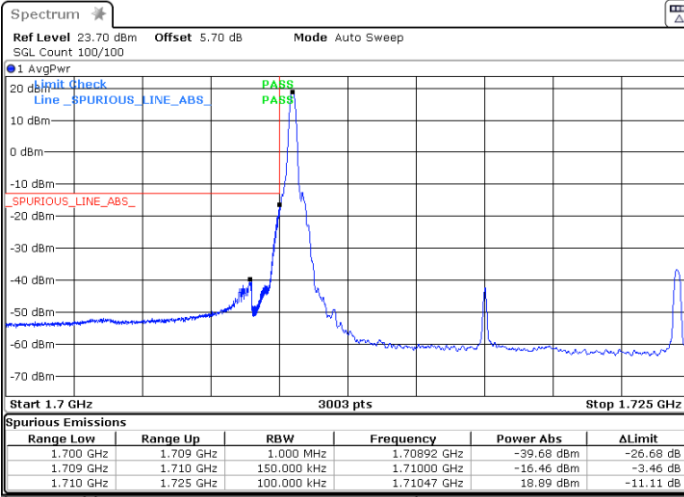
Date: 13.FEB.2021 04:03:20



FR1 n66 / 15MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

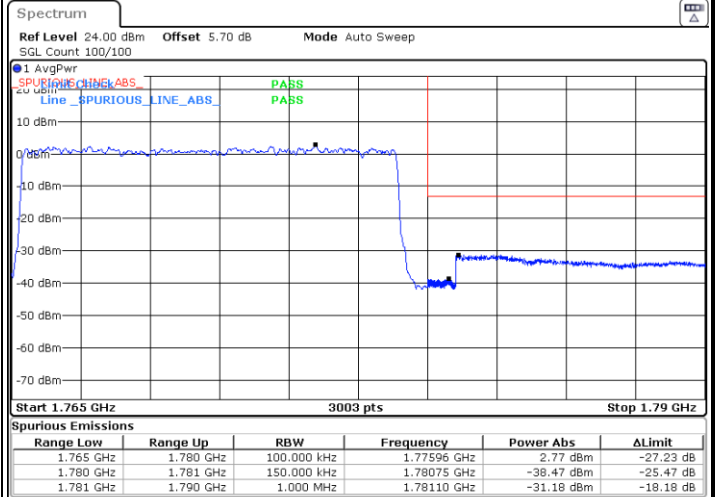
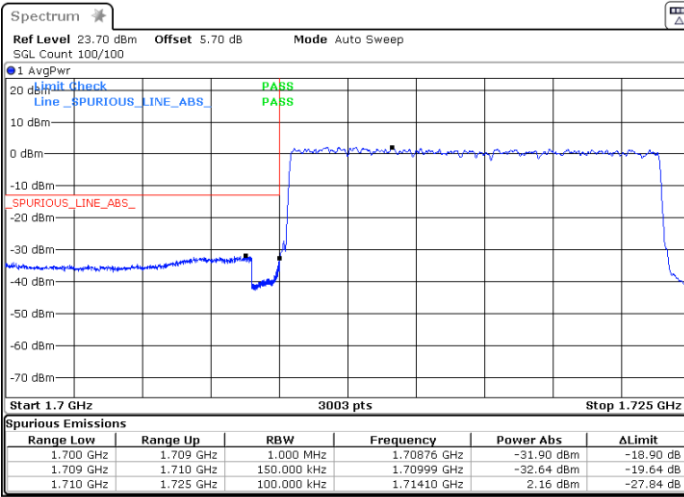


Date: 13.FEB.2021 03:32:42

Date: 13.FEB.2021 04:04:38

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 03:57:31

Date: 13.FEB.2021 04:02:57

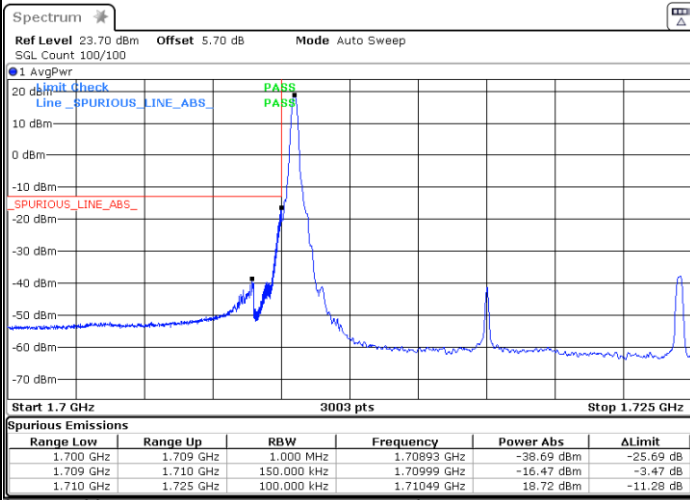




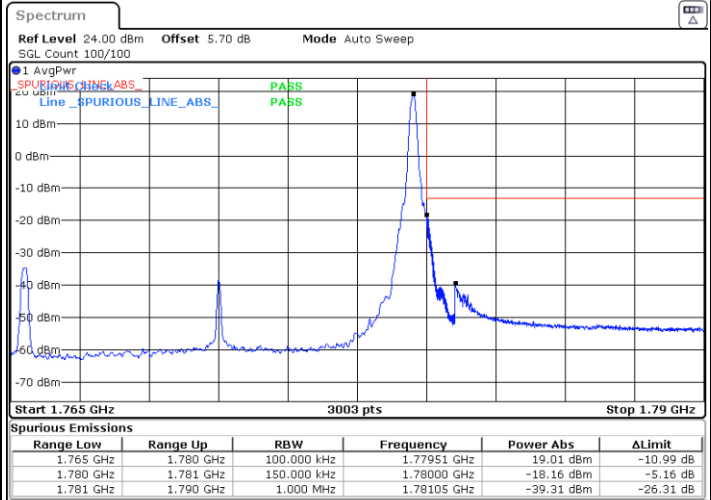
FR1 n66 / 15MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



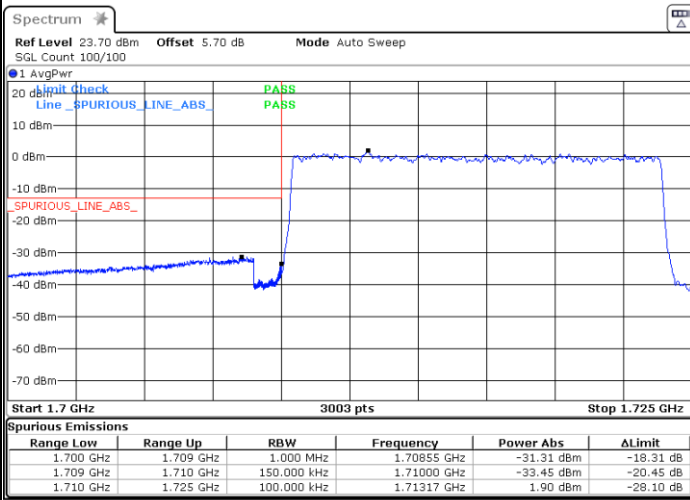
Date: 13.FEB.2021 03:33:50



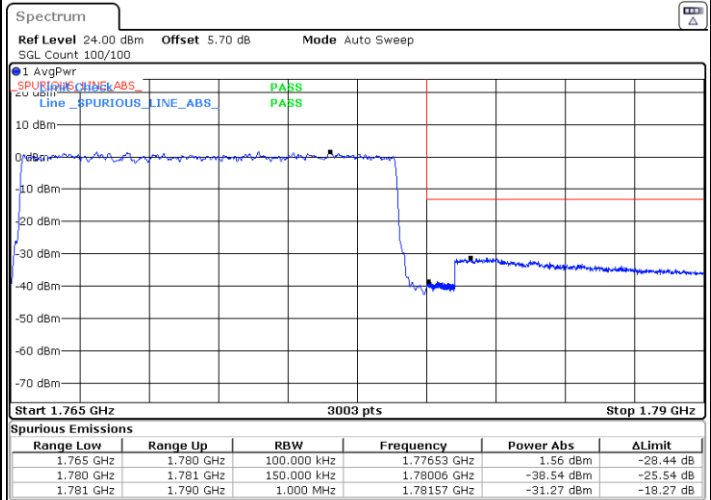
Date: 13.FEB.2021 04:04:58

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.FEB.2021 03:58:25



Date: 13.FEB.2021 04:02:40