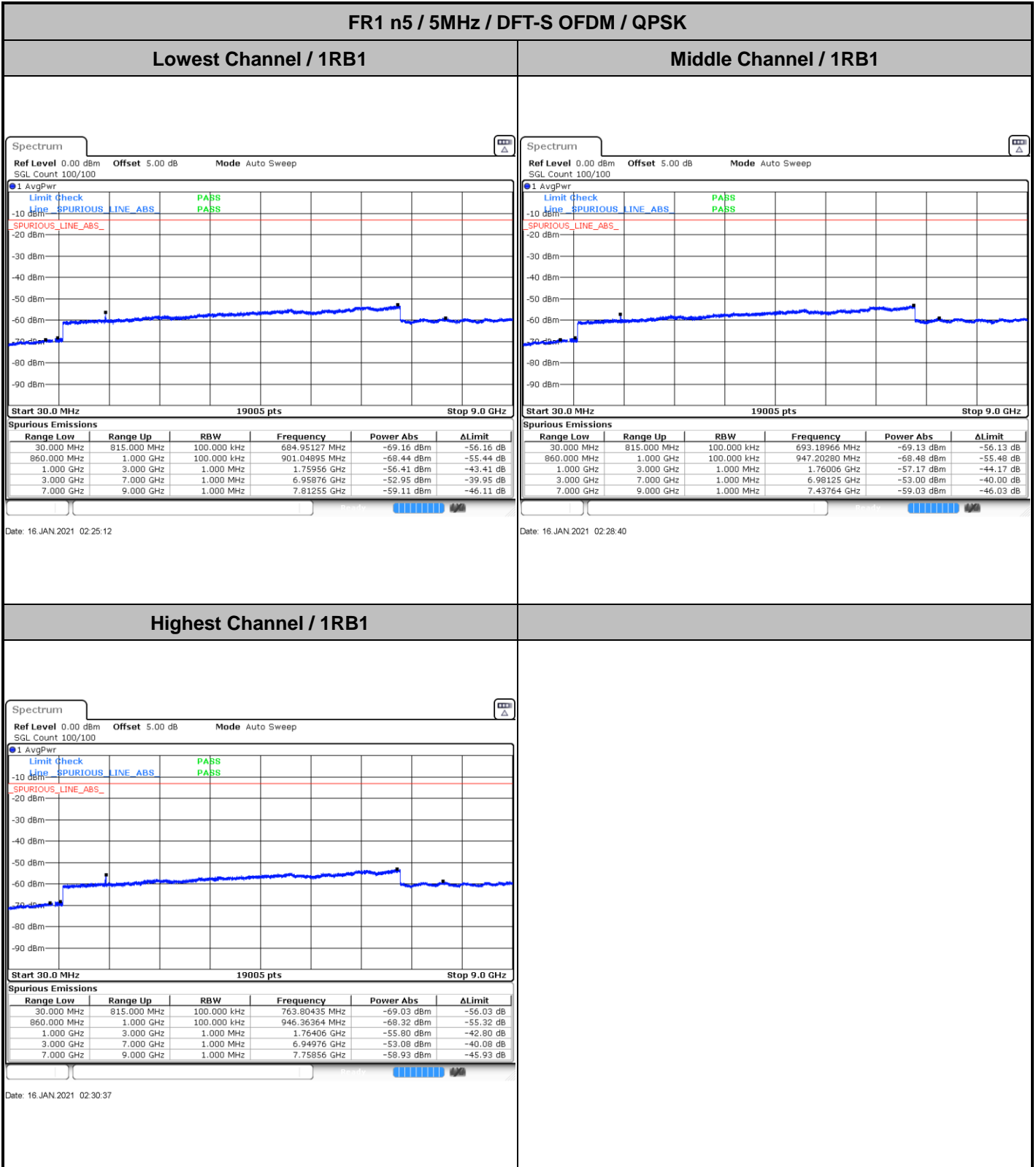




# Conducted Spurious Emission

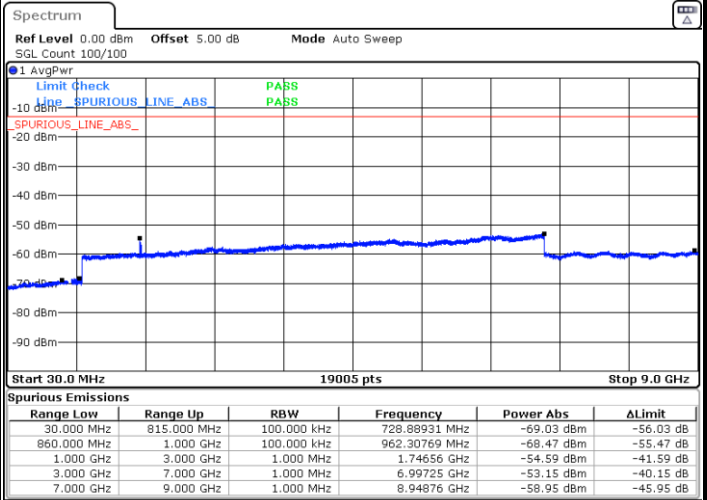
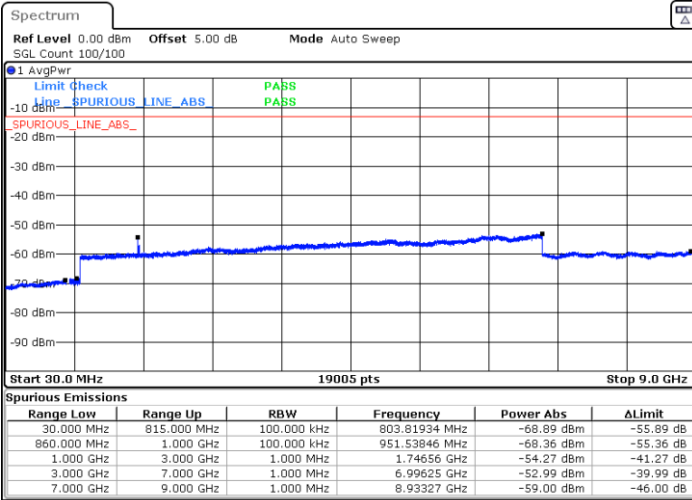




FR1 n5 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

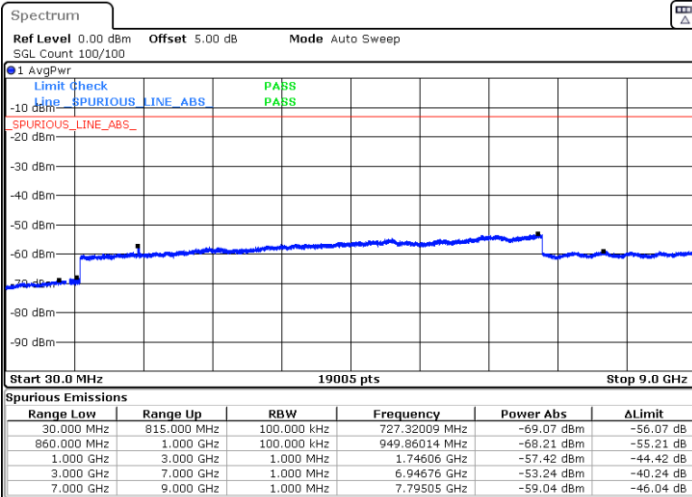
Middle Channel / 1RB1



Date: 16 JAN 2021 02:32:57

Date: 16 JAN 2021 02:34:54

Highest Channel / 1RB1



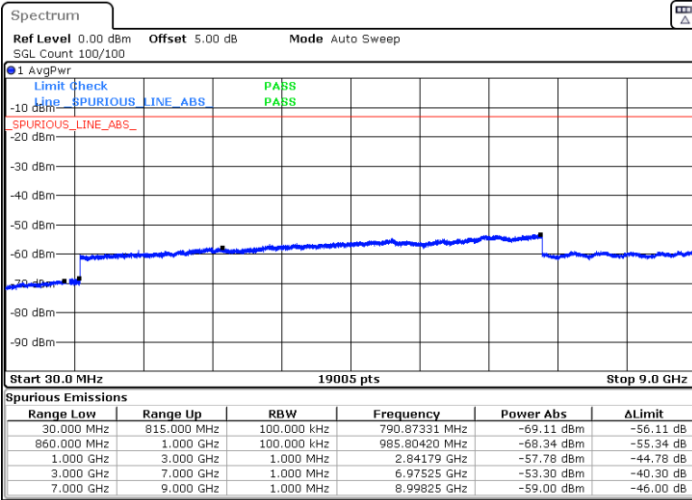
Date: 16 JAN 2021 02:36:40



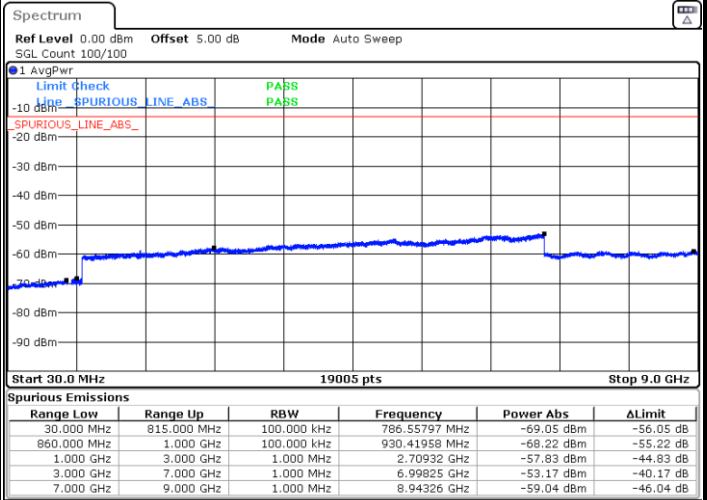
FR1 n5 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

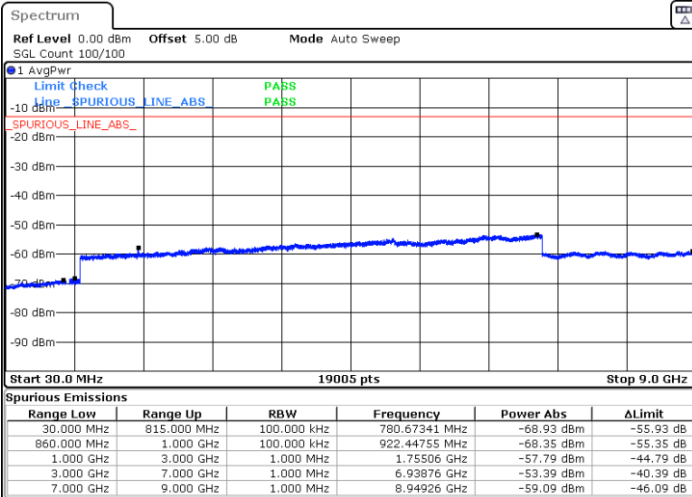


Date: 16 JAN 2021 02:38:59



Date: 16 JAN 2021 02:40:44

Highest Channel / 1RB1



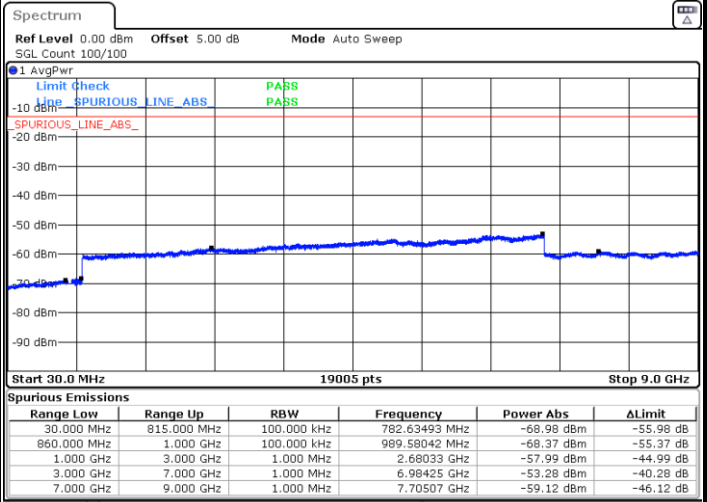
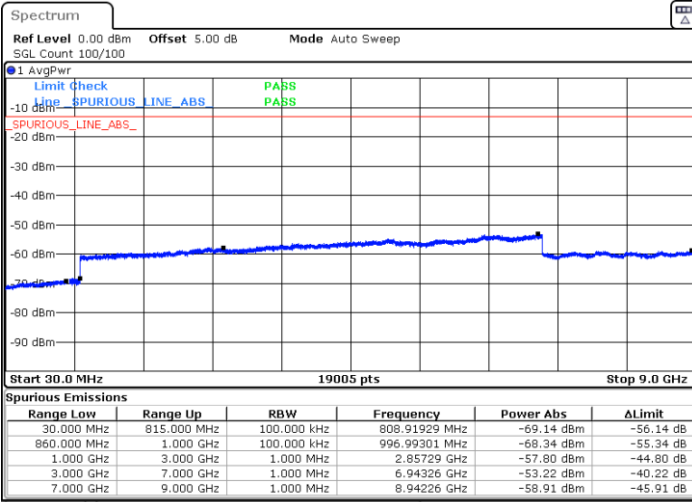
Date: 16 JAN 2021 02:42:31



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

Lowest Channel / 1RB1

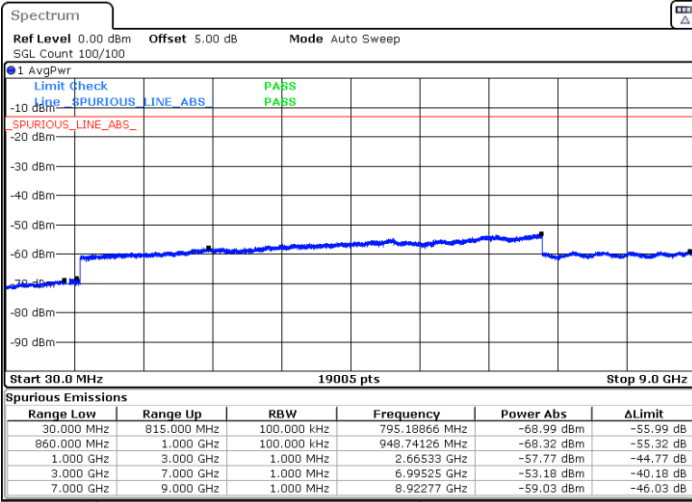
Middle Channel / 1RB1



Date: 16 JAN 2021 02:44:49

Date: 16 JAN 2021 02:46:32

Highest Channel / 1RB1



Date: 16 JAN 2021 02:48:29



Frequency Stability

Test Conditions		FR1 n5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0078	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0044	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0044	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0033	
-20	Normal Voltage	0.0044	
-30	Normal Voltage	0.0074	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0053	

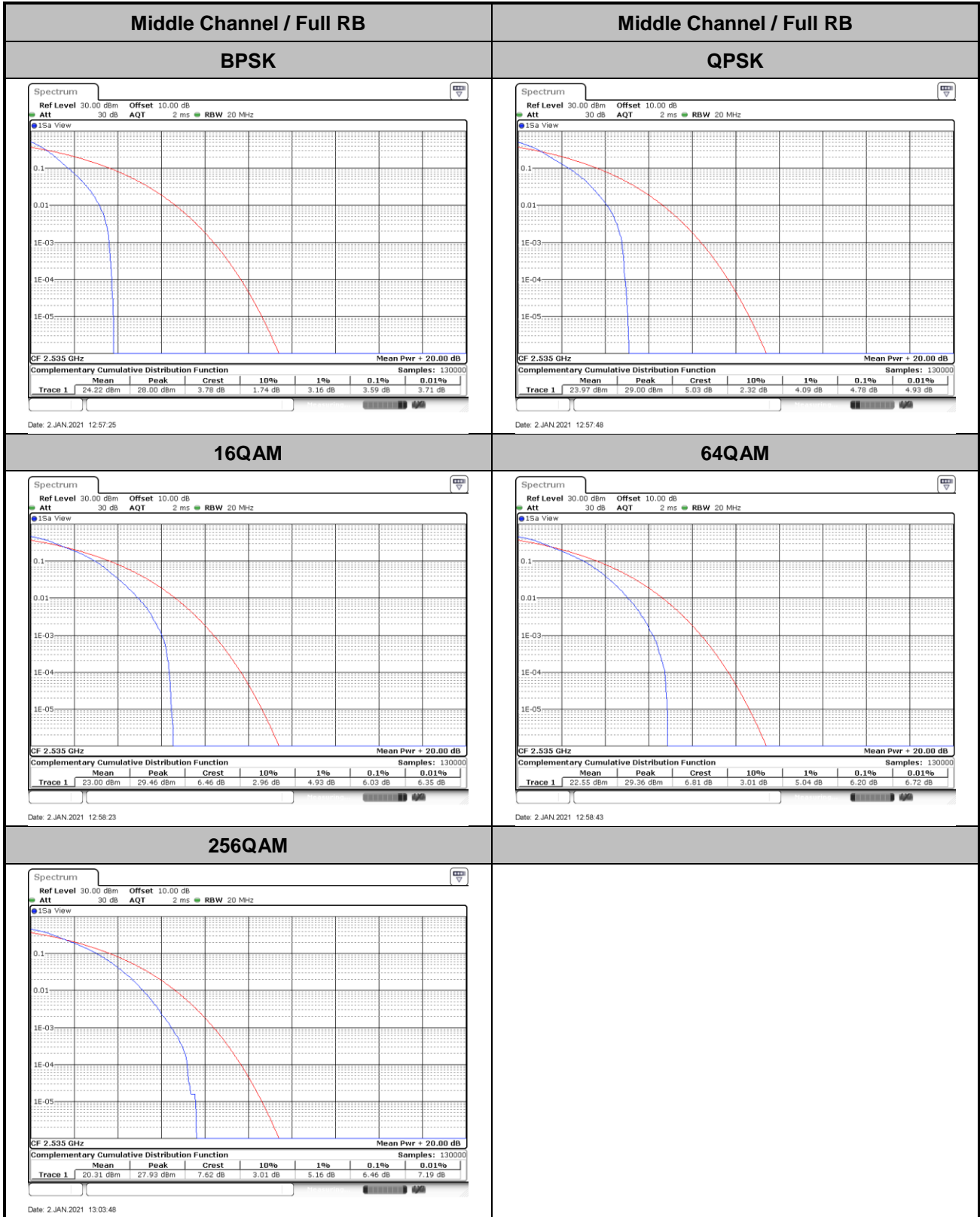
Note: Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.40 V. ; Maximum Voltage =4.48 V.



# FR1 n7

## Peak-to-Average Ratio

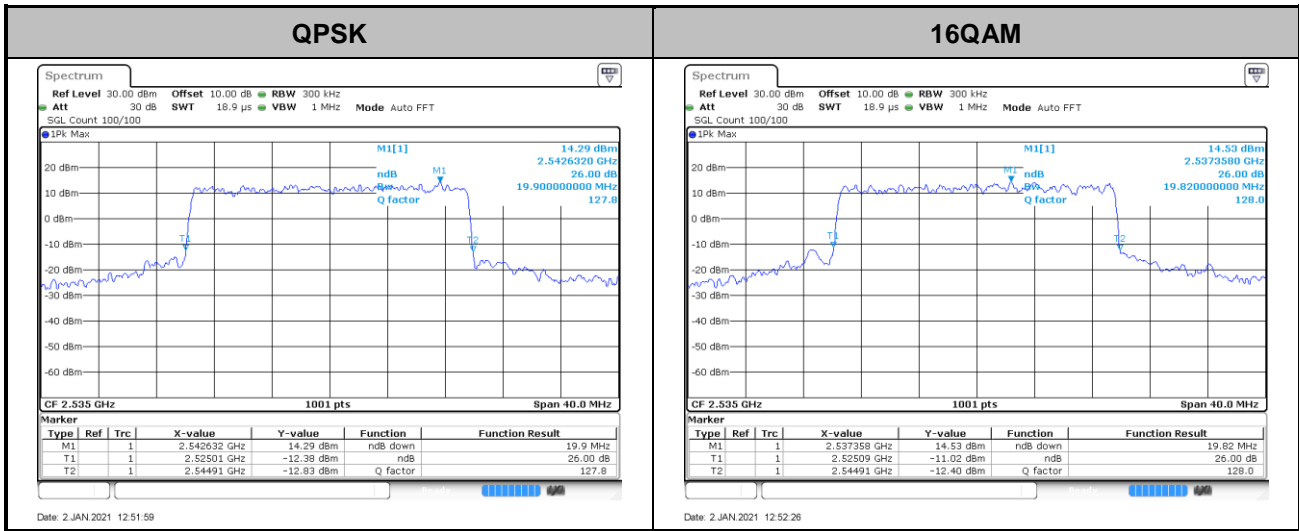
Mode	FR1 n7 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
					PASS
Middle CH	3.59	4.78	6.03	6.20	
Mode	FR1 n7 / 20MHz / DFT-S OFDM				
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
					PASS
Middle CH	6.46				





**26dB Bandwidth**

Mode	FR1 n7 : 26dB BW(MHz) / DFT-S OFDM						
BW	20M						
Mod.	QPSK	16QAM					
Middle CH	19.9	19.82					

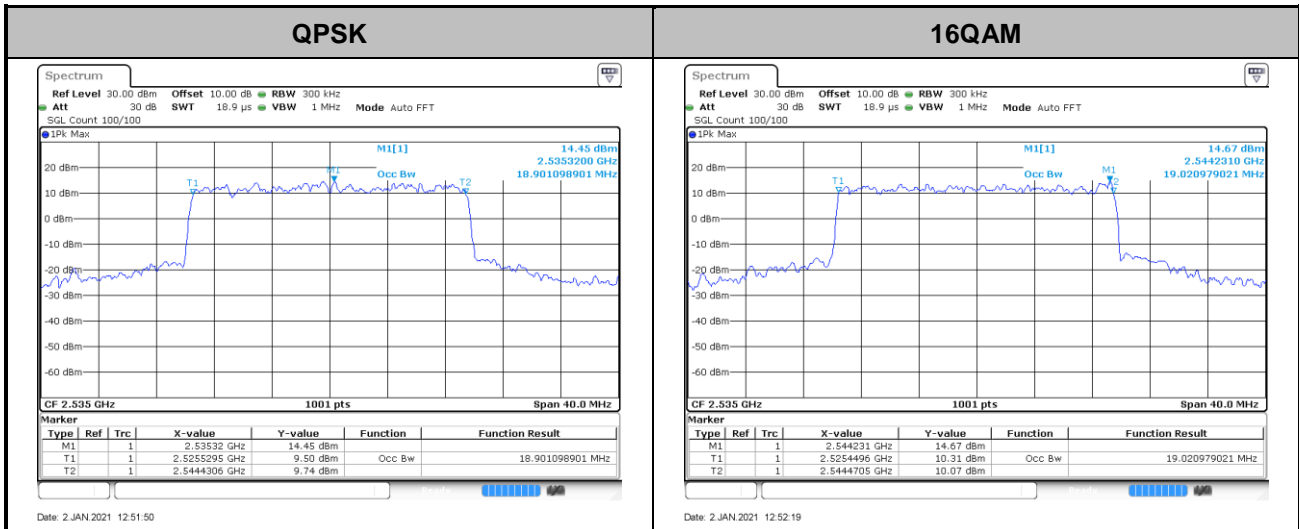






## Occupied Bandwidth

Mode	FR1 n7 : 99%OBW(MHz) / DFT-S OFDM							
BW	20M							
Mod.	QPSK	16QAM						
Middle CH	18.90	19.02						



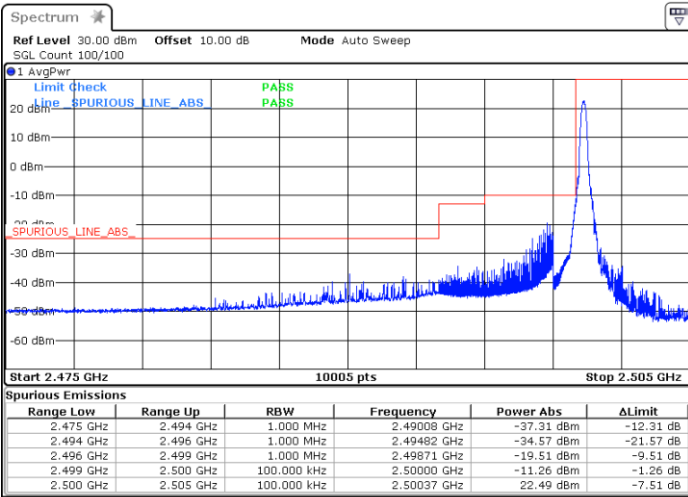


# Conducted Band Edge

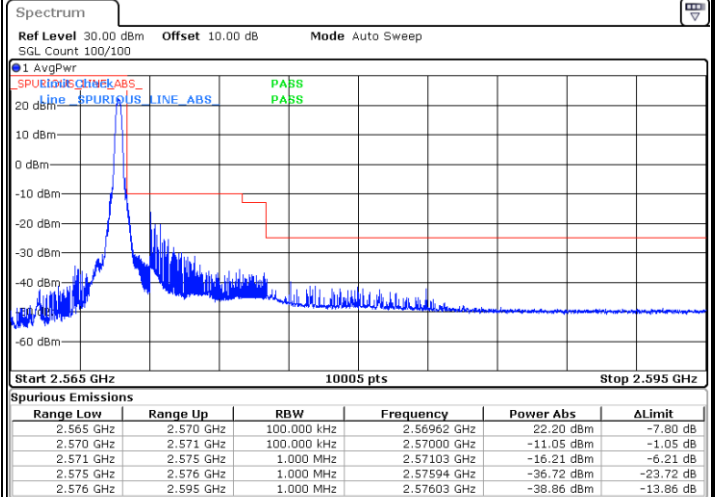
FR1 n7 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



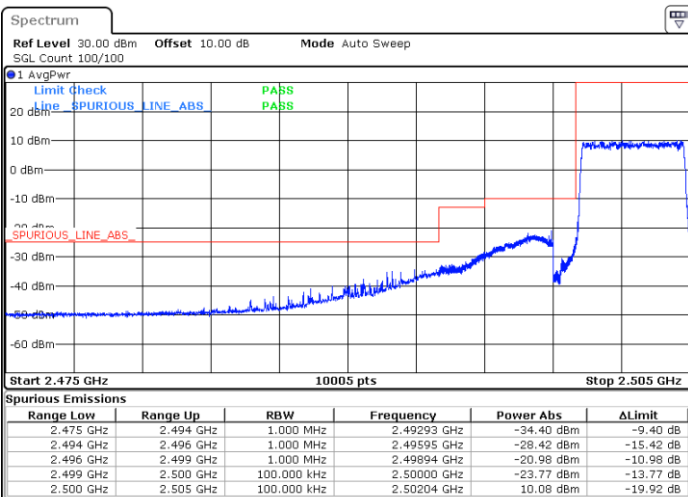
Date: 1 JAN 2021 15:16:43



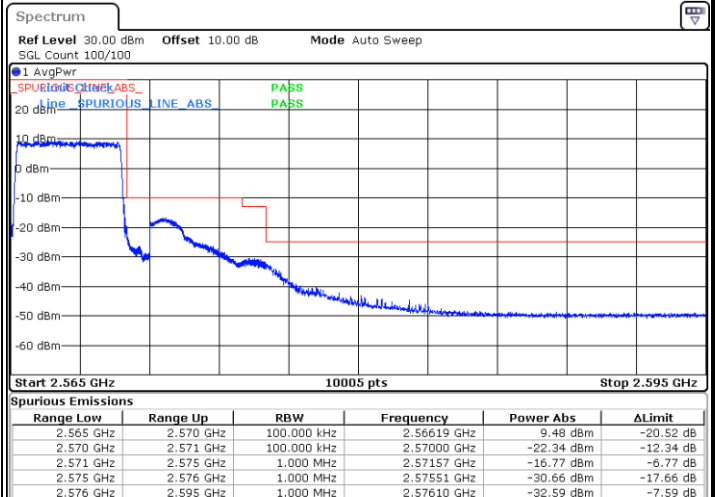
Date: 1 JAN 2021 15:37:57

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JAN 2021 15:12:02



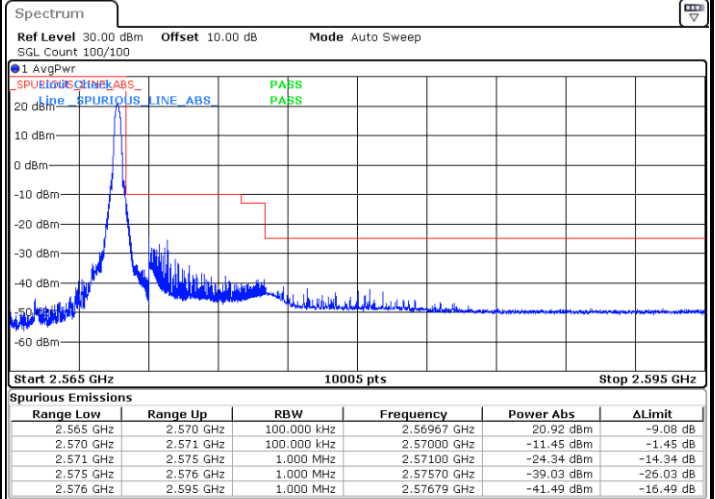
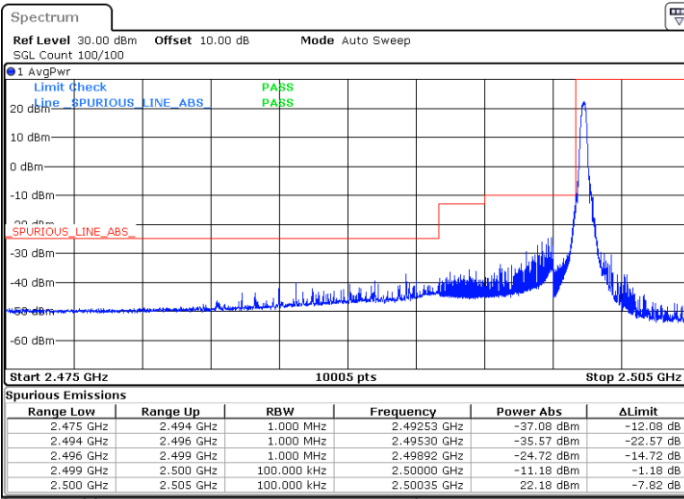
Date: 1 JAN 2021 15:38:22



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

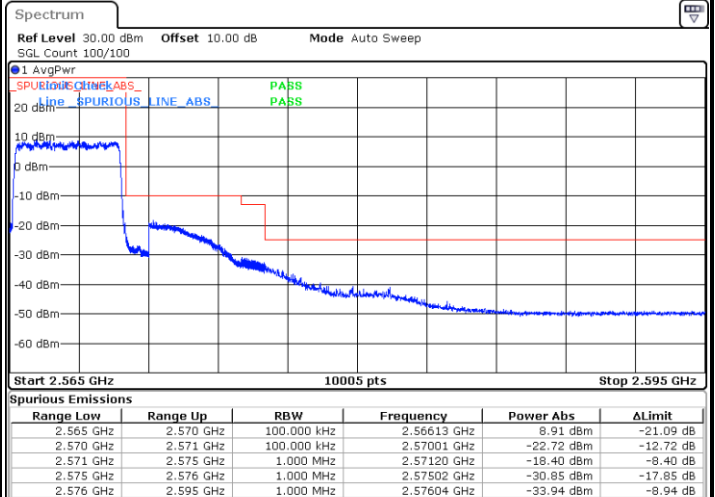
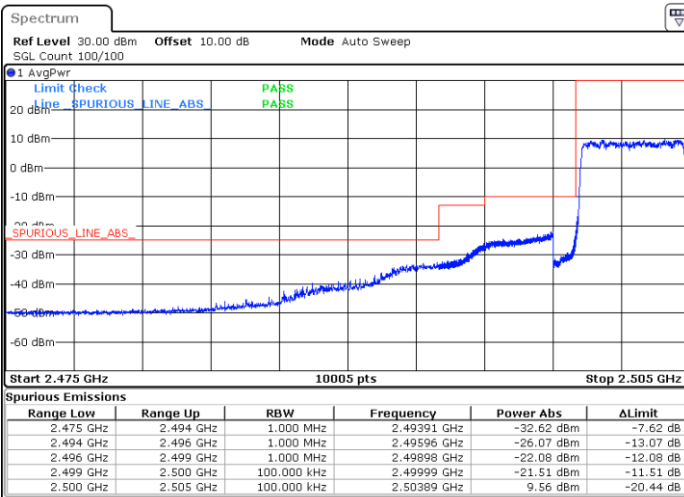


Date: 1 JAN 2021 15:15:42

Date: 1 JAN 2021 15:34:15

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JAN 2021 15:12:58

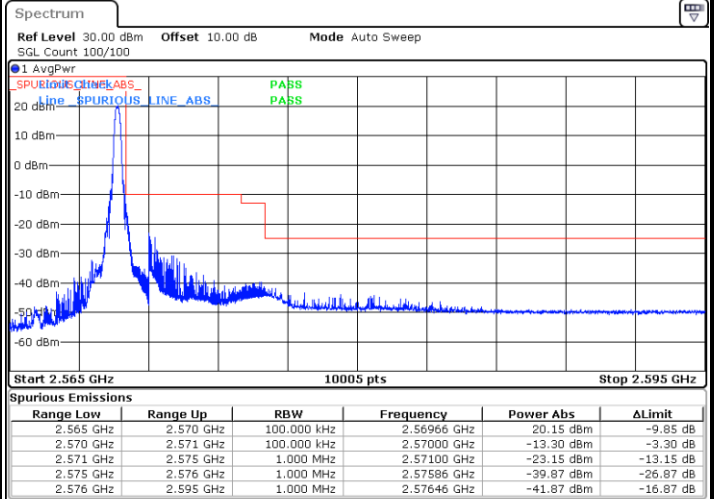
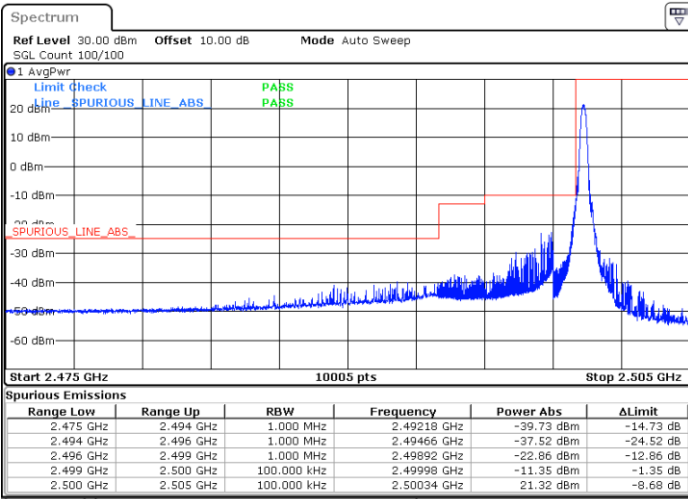
Date: 1 JAN 2021 15:38:59



FR1 n7 / 5MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

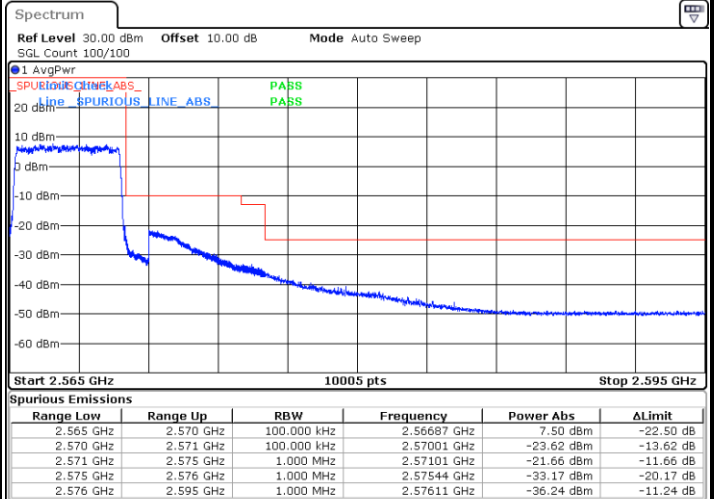
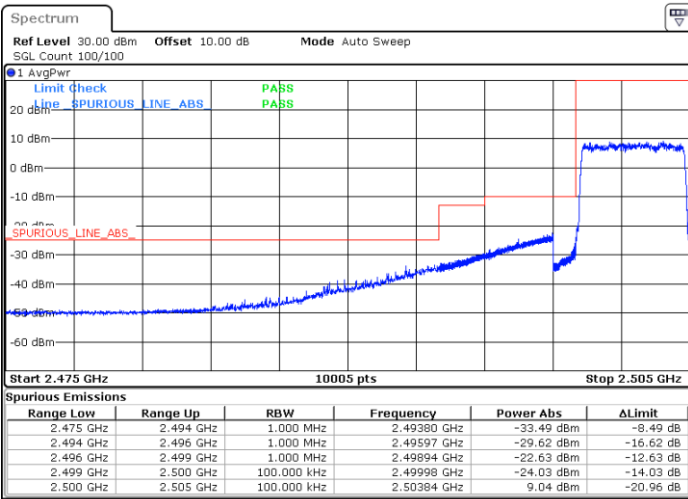


Date: 1 JAN 2021 15:15:13

Date: 1 JAN 2021 15:34:39

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JAN 2021 15:13:29

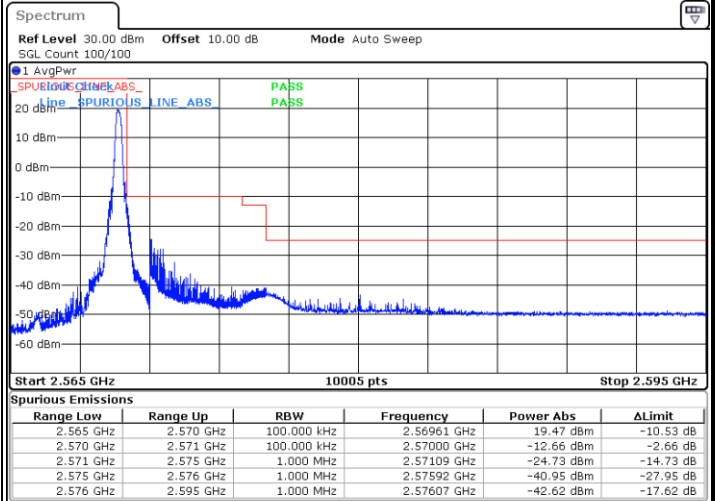
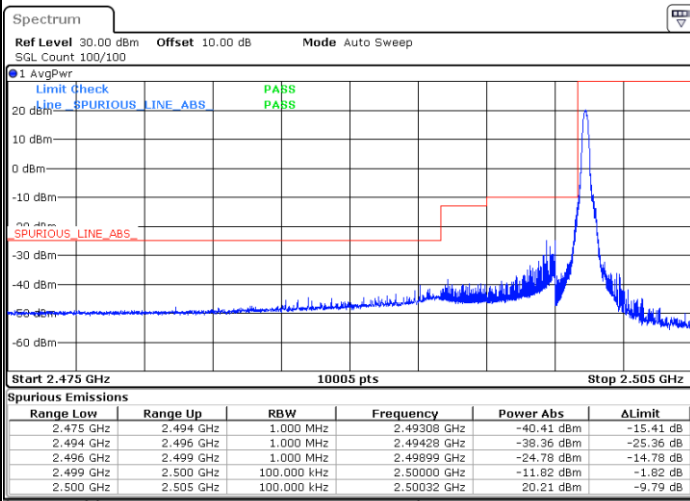
Date: 1 JAN 2021 15:39:44



FR1 n7 / 5MHz / DFT-S OFDM / 64Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

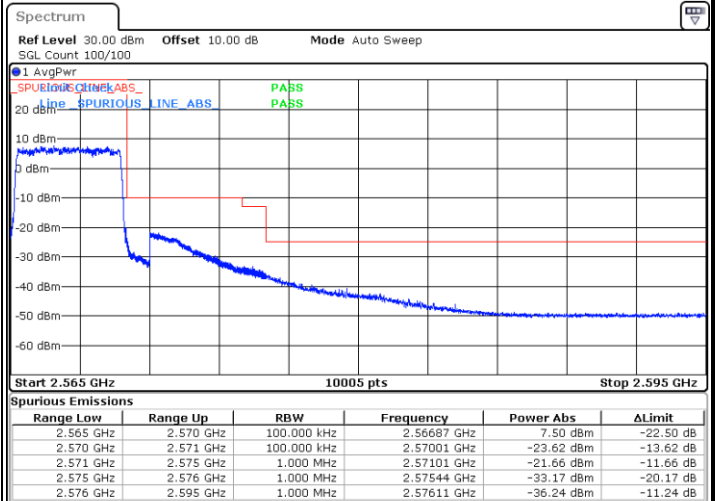
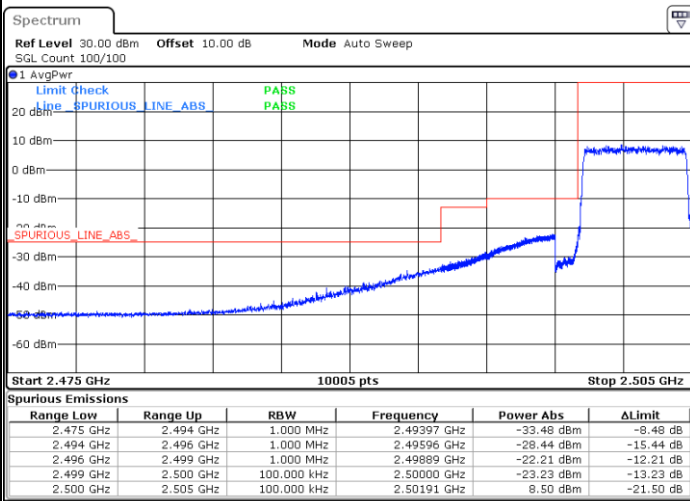


Date: 1 JAN 2021 15:14:45

Date: 1 JAN 2021 15:35:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JAN 2021 15:14:13

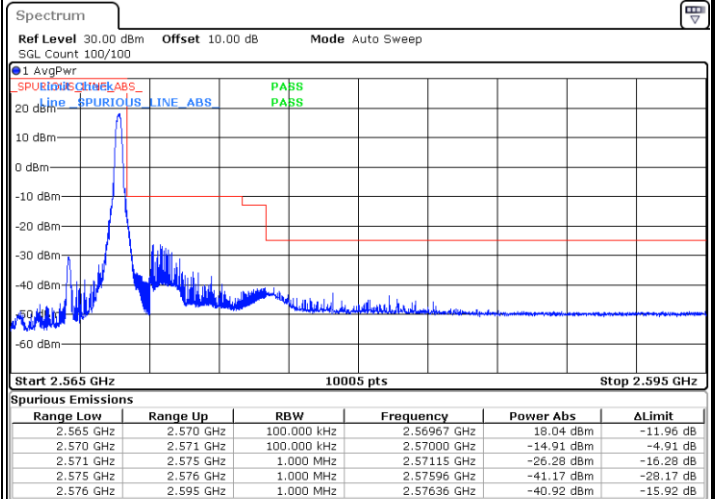
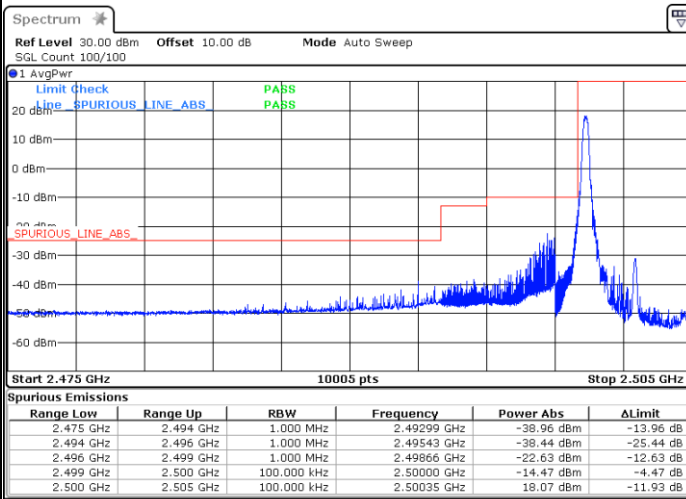
Date: 1 JAN 2021 15:39:44



FR1 n7 / 5MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

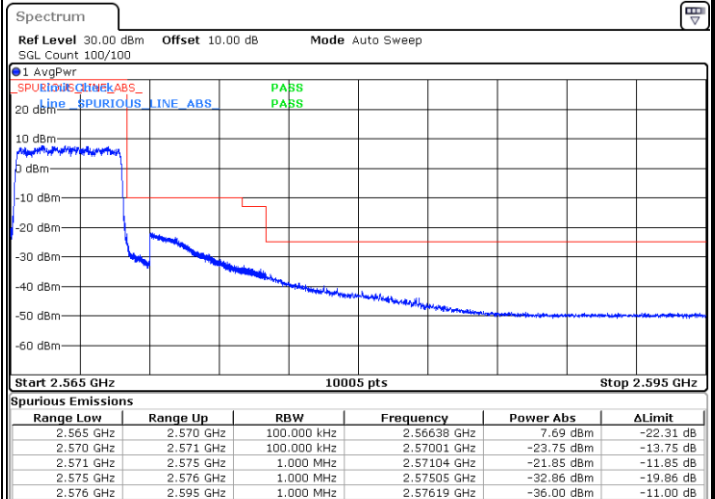
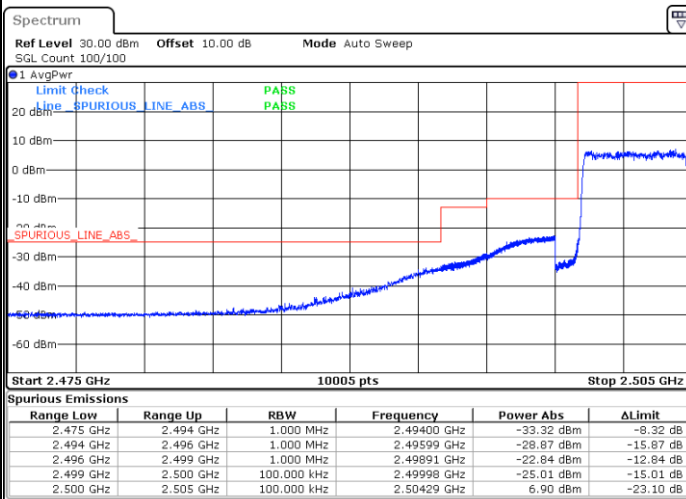


Date: 1 JAN 2021 15:19:15

Date: 1 JAN 2021 15:35:25

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JAN 2021 15:20:23

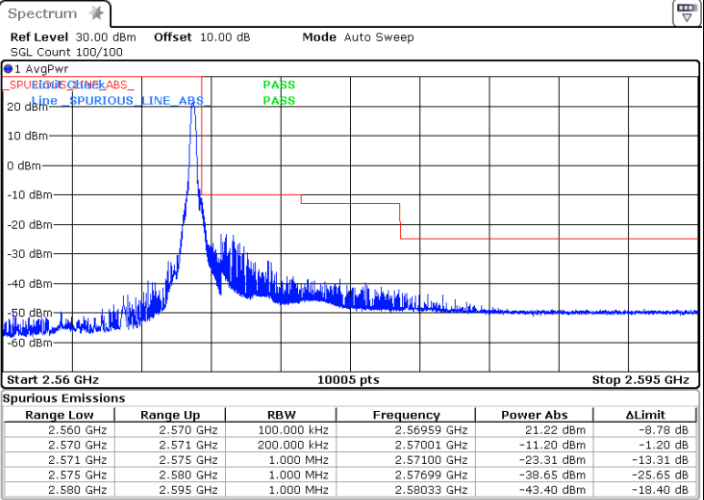
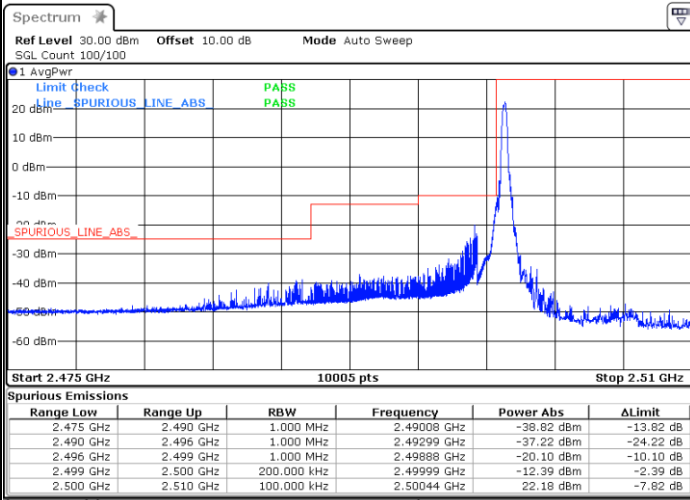
Date: 1 JAN 2021 15:40:11



FR1 n7 / 10MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

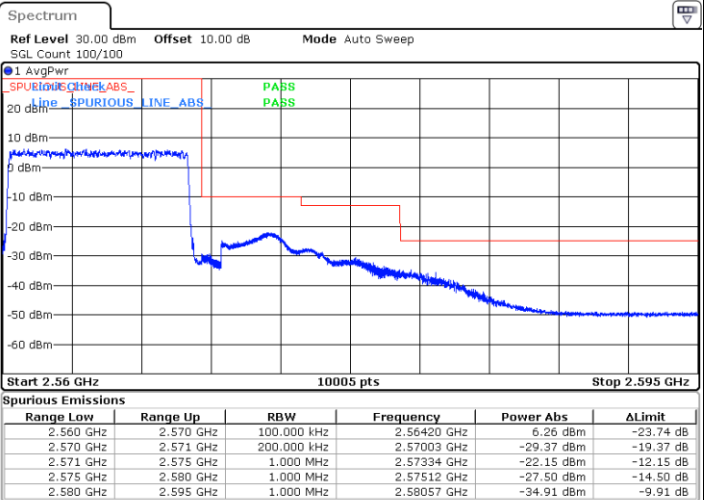
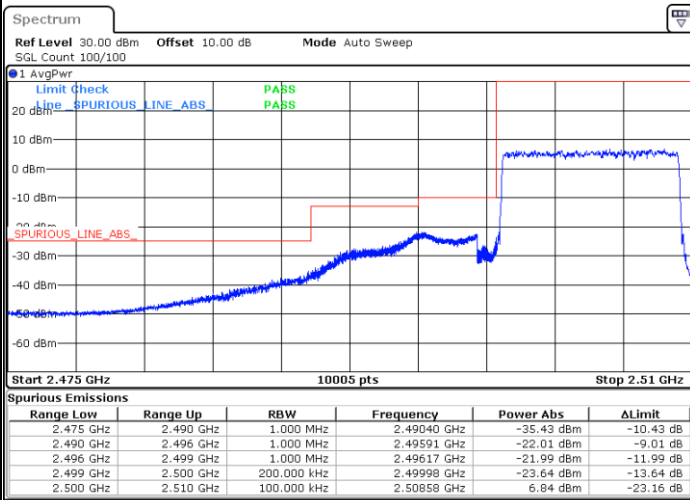


Date: 1 JAN 2021 15:45:15

Date: 1 JAN 2021 16:07:53

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JAN 2021 15:41:48

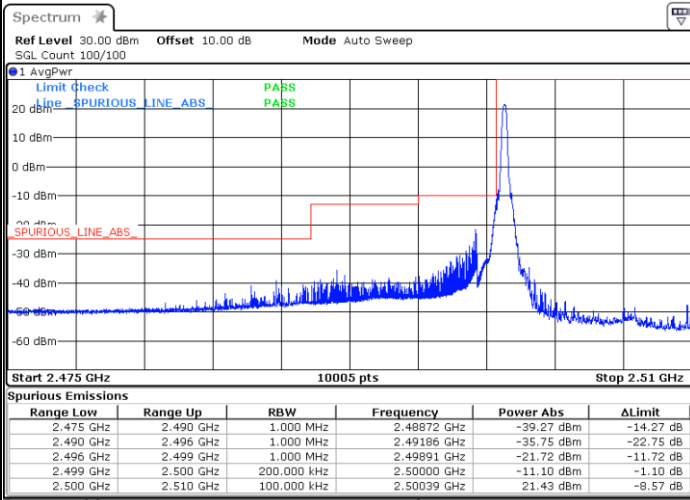
Date: 1 JAN 2021 16:04:09



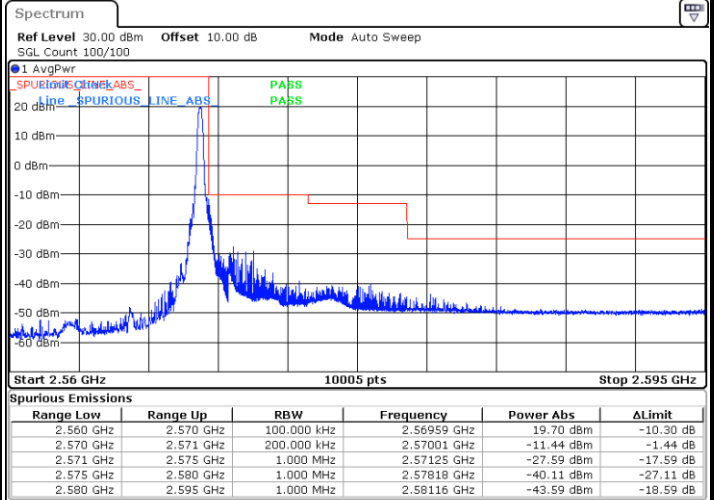
FR1 n7 / 10MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



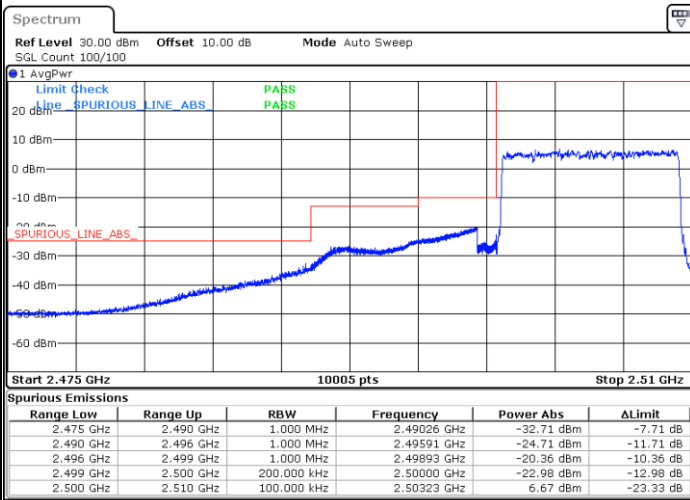
Date: 1 JAN 2021 15:48:05



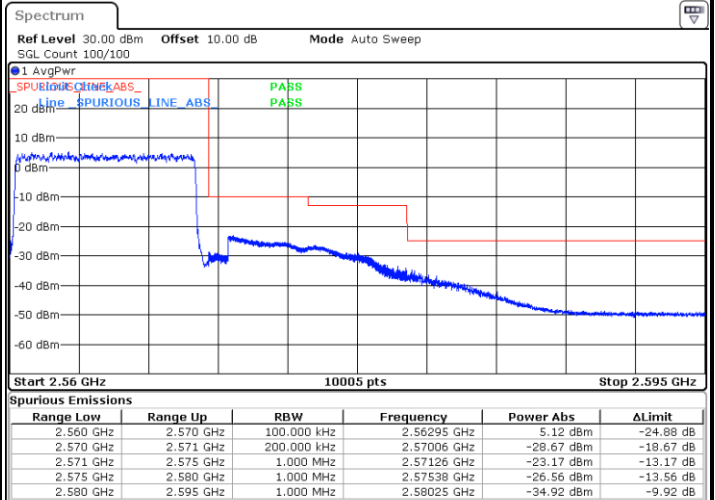
Date: 1 JAN 2021 16:07:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JAN 2021 15:42:12



Date: 1 JAN 2021 16:03:47

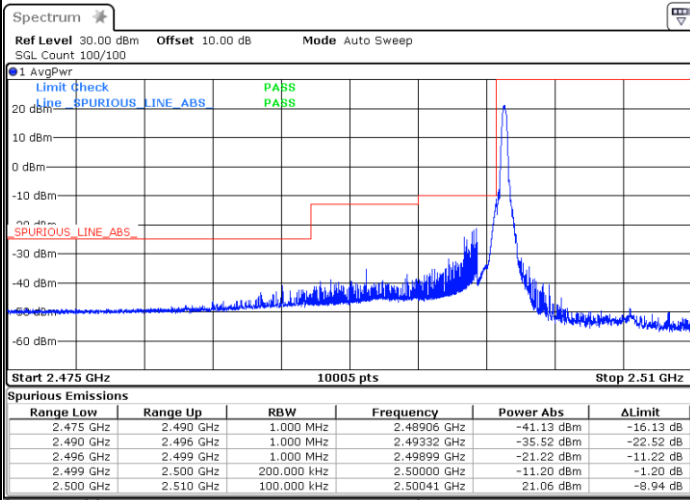




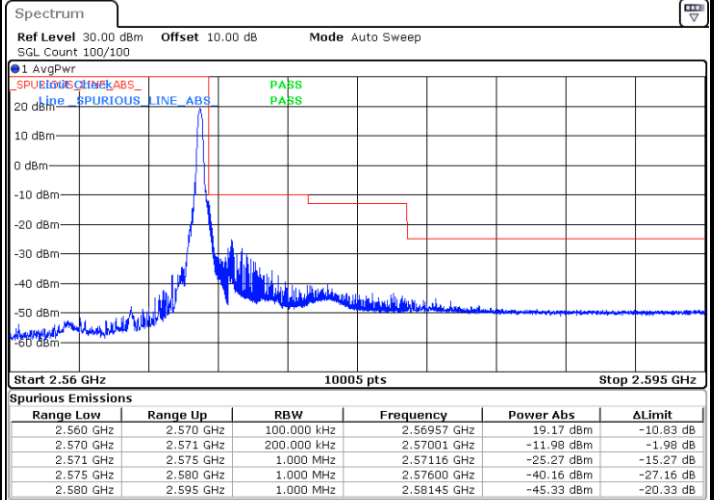
FR1 n7 / 10MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



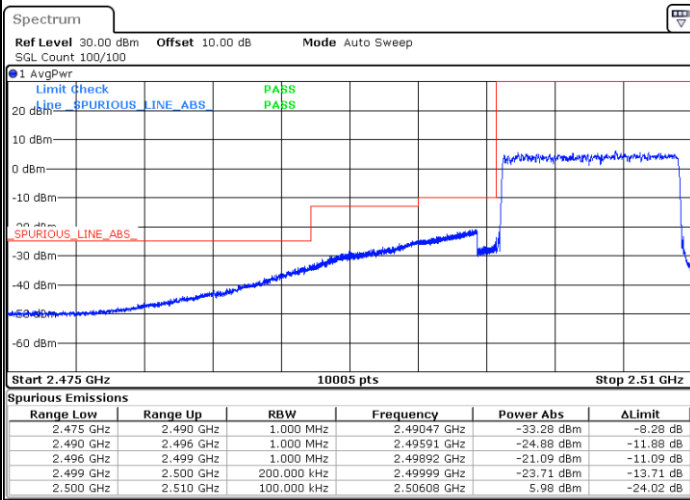
Date: 1 JAN 2021 15:51:08



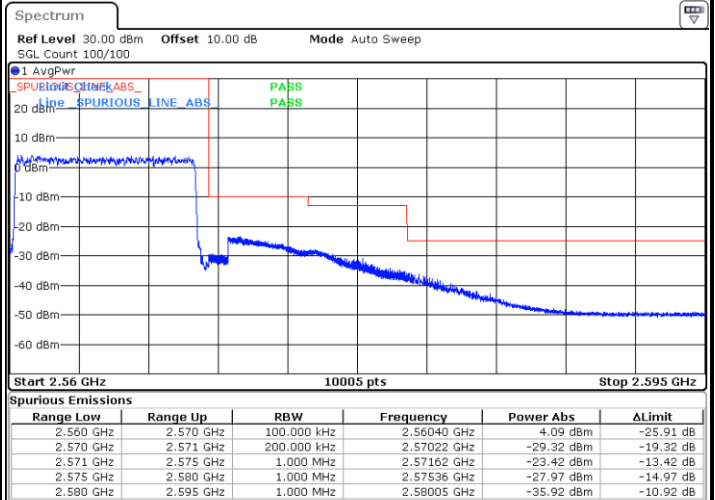
Date: 1 JAN 2021 16:06:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JAN 2021 15:42:34



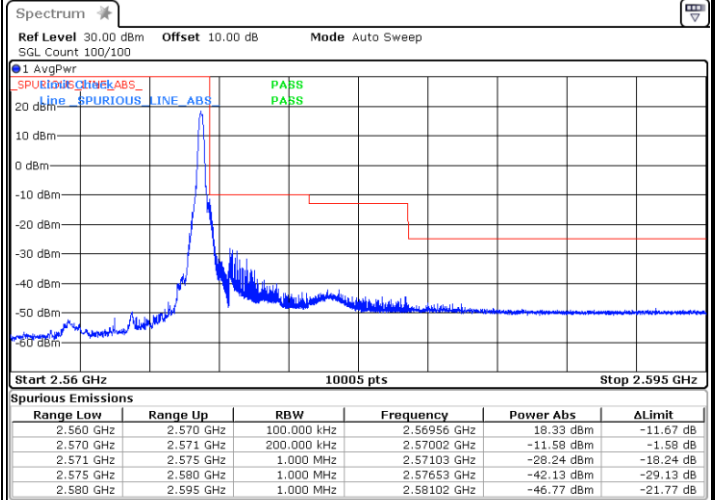
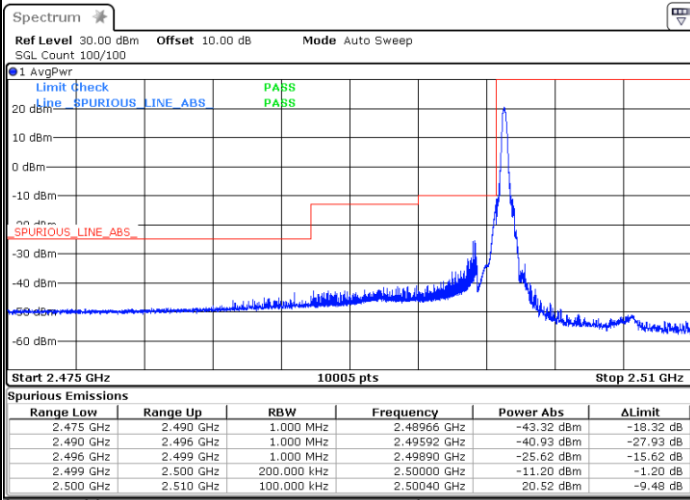
Date: 1 JAN 2021 16:04:29



FR1 n7 / 10MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

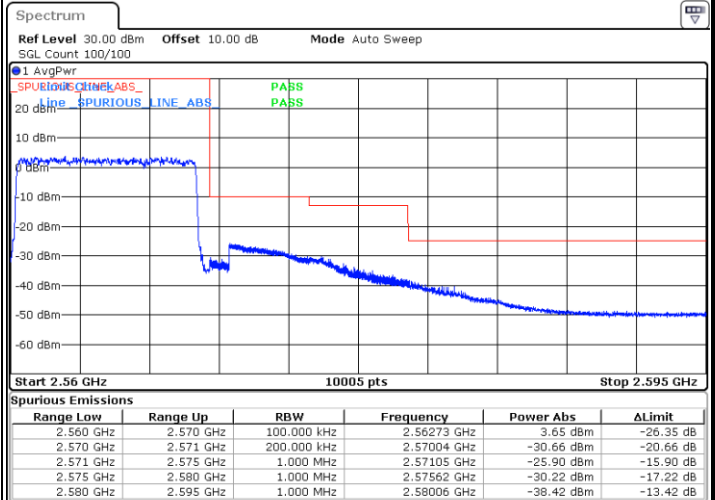
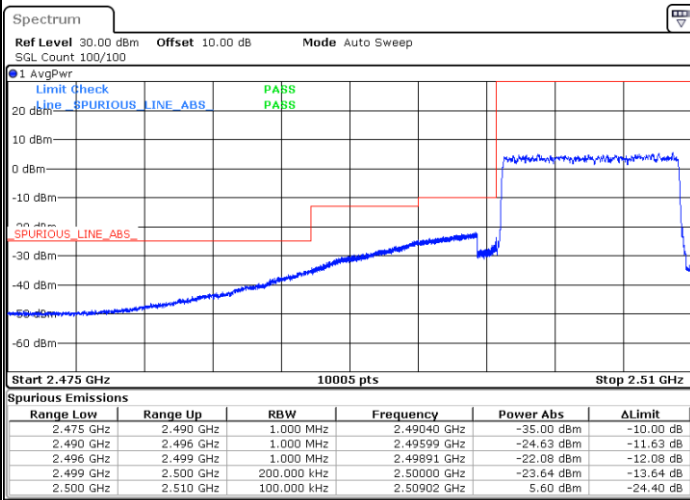


Date: 1 JAN 2021 15:53:01

Date: 1 JAN 2021 16:06:19

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JAN 2021 15:42:57

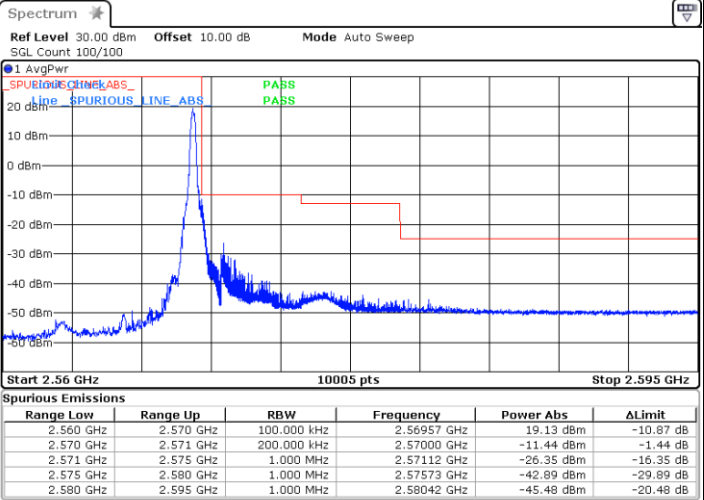
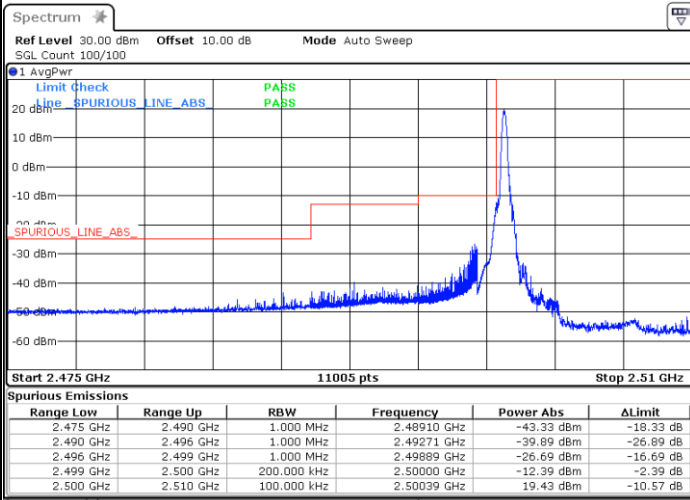
Date: 1 JAN 2021 16:04:50



FR1 n7 / 10MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

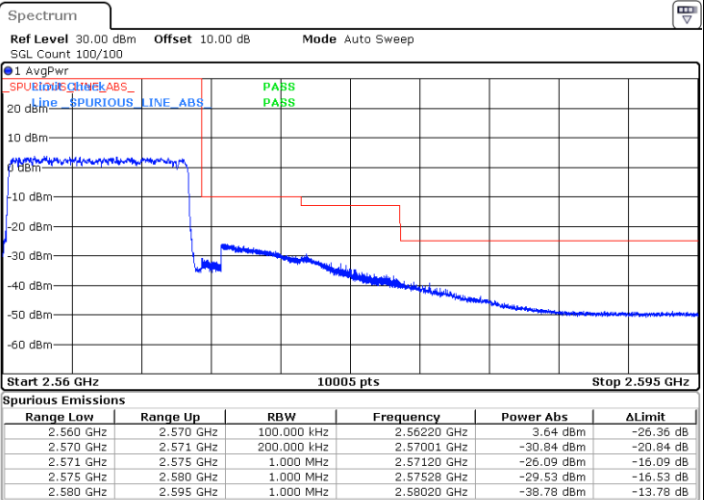
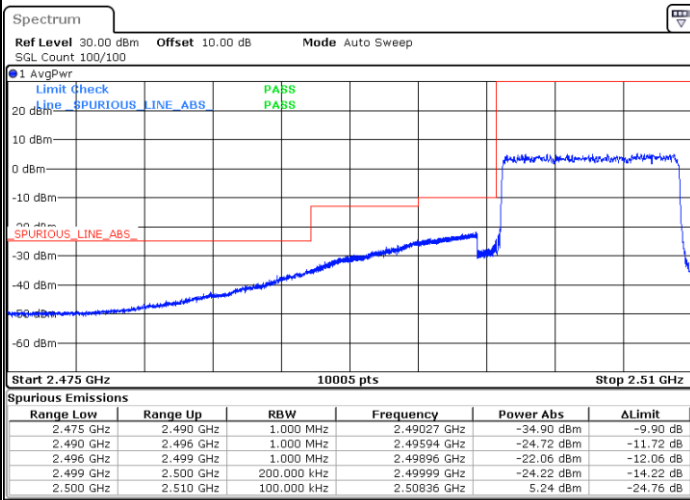


Date: 1 JAN 2021 15:54:39

Date: 1 JAN 2021 16:05:52

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JAN 2021 15:43:14

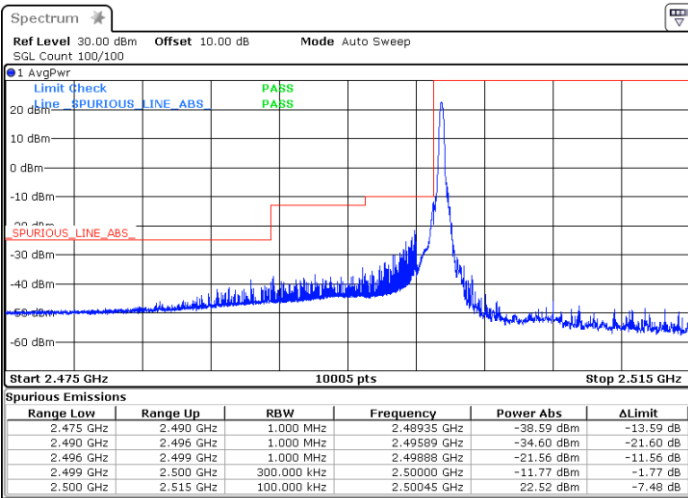
Date: 1 JAN 2021 16:05:10



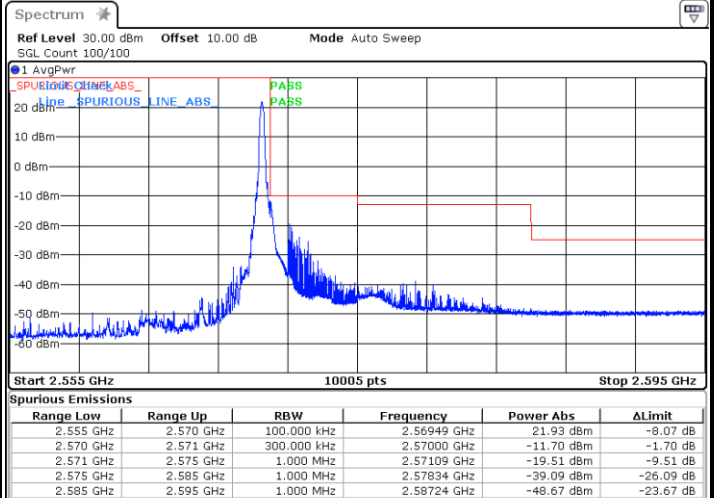
FR1 n7 / 15MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



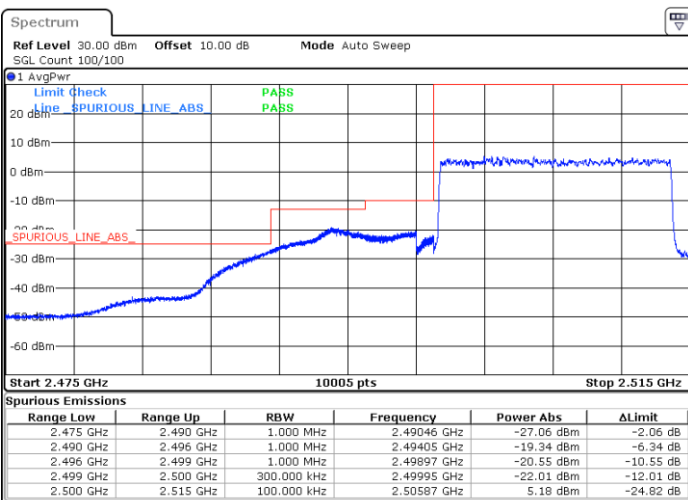
Date: 1 JAN 2021 16:12:50



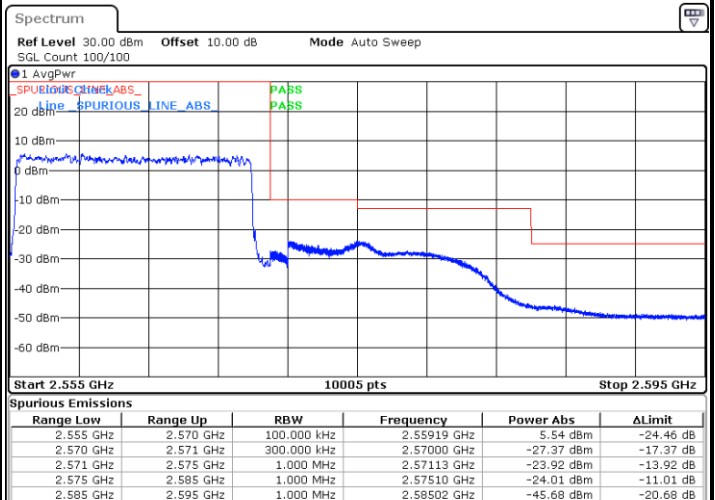
Date: 1 JAN 2021 16:39:01

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JAN 2021 16:09:39



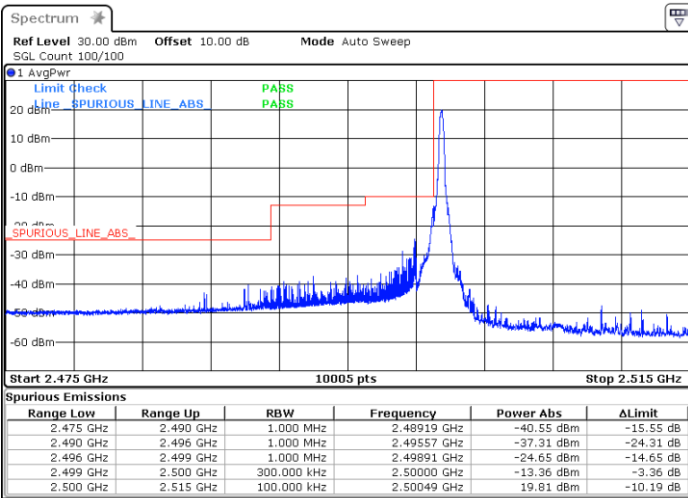
Date: 1 JAN 2021 16:47:05



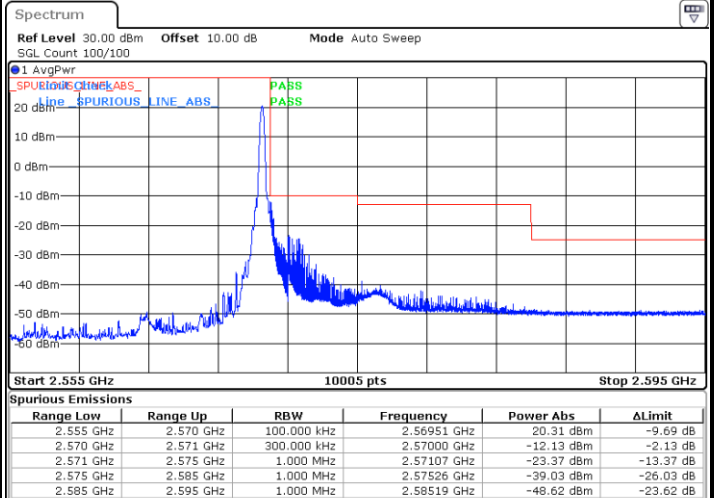
FR1 n7 / 15MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



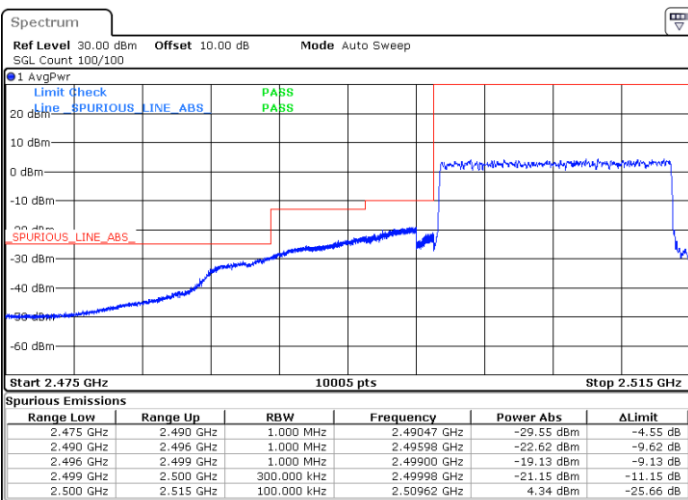
Date: 1 JAN 2021 16:29:03



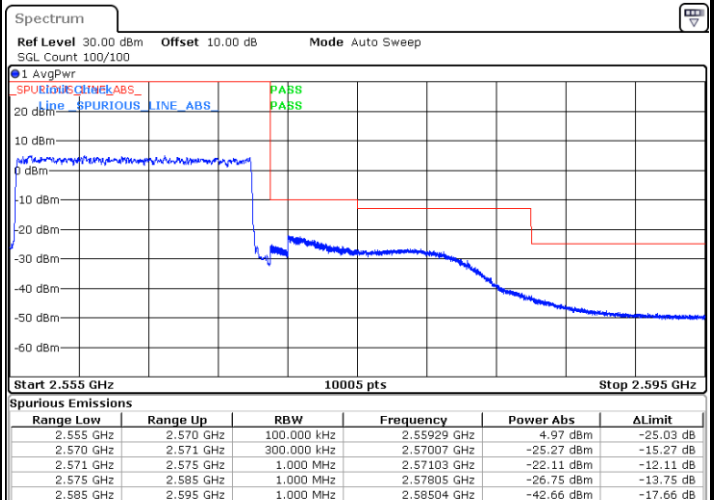
Date: 1 JAN 2021 16:44:04

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JAN 2021 16:10:02



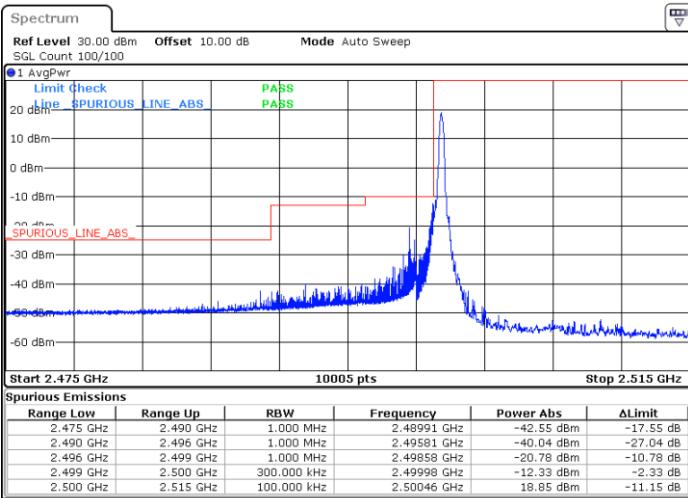
Date: 1 JAN 2021 16:46:45



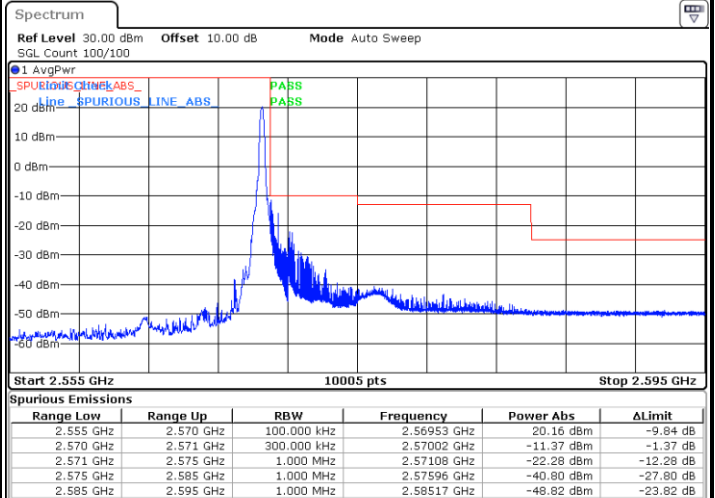
FR1 n7 / 15MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



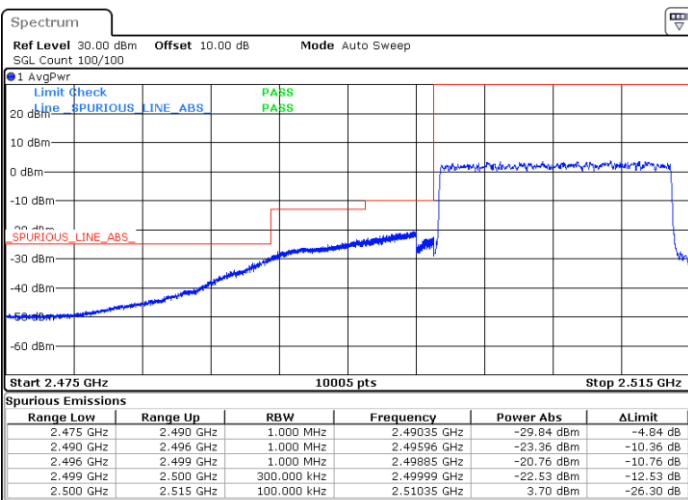
Date: 1 JAN 2021 16:29:27



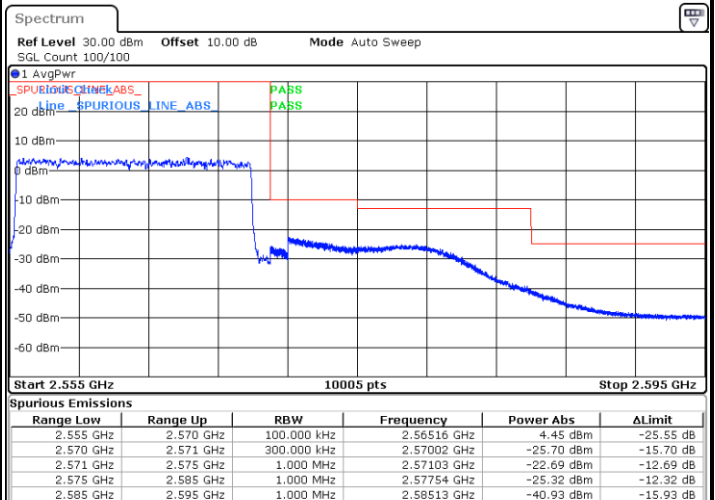
Date: 1 JAN 2021 16:44:37

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JAN 2021 16:10:24



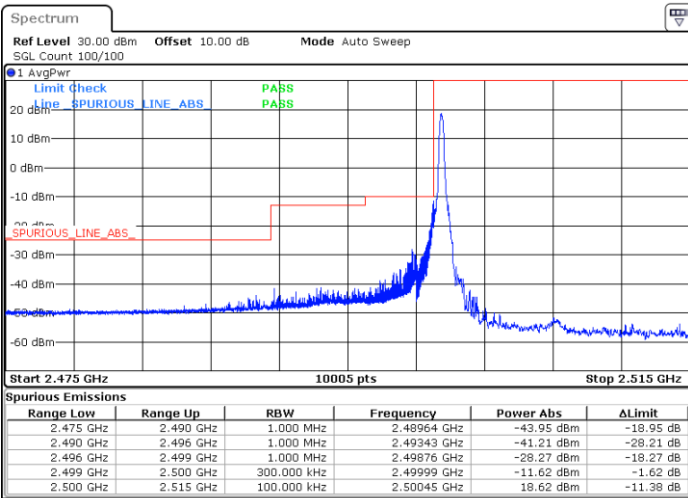
Date: 1 JAN 2021 16:46:25



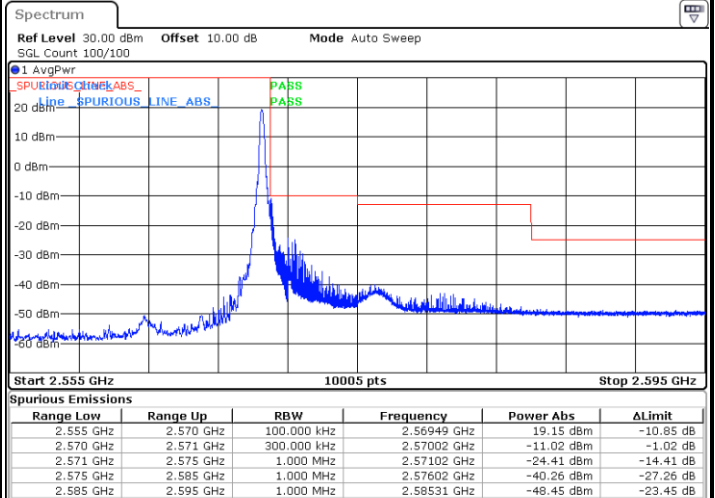
FR1 n7 / 15MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



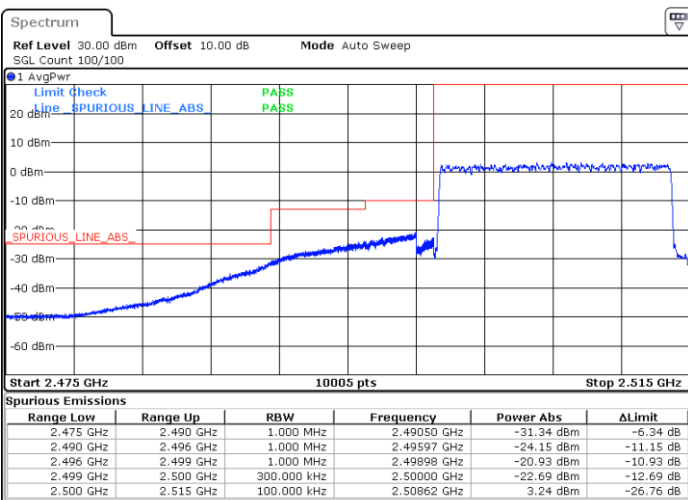
Date: 1 JAN 2021 16:30:03



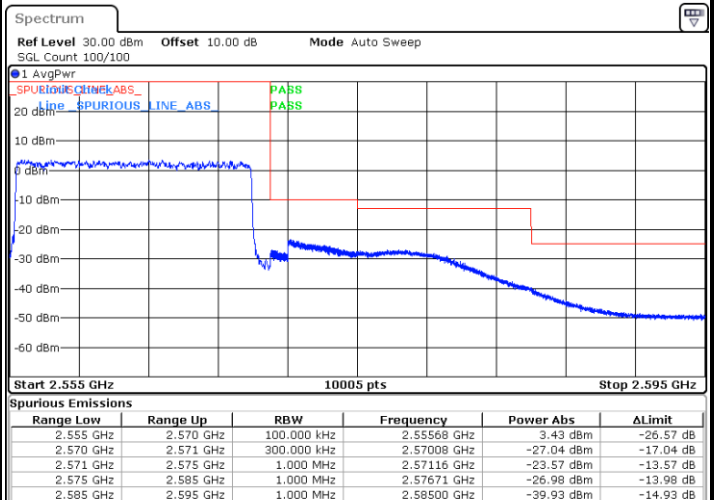
Date: 1 JAN 2021 16:44:59

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JAN 2021 16:10:46



Date: 1 JAN 2021 16:46:05

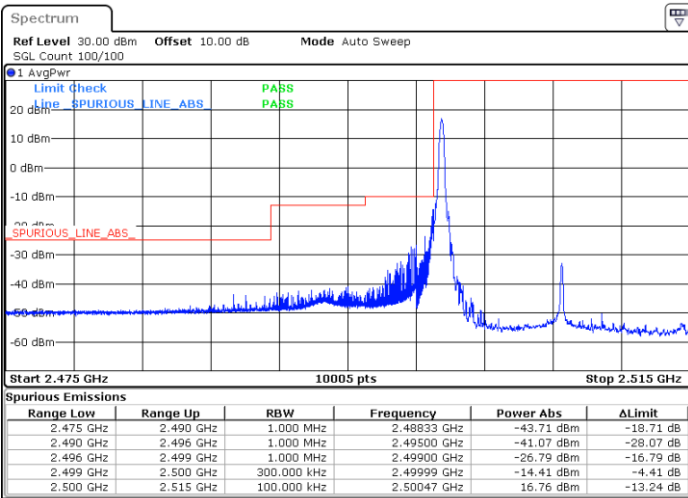




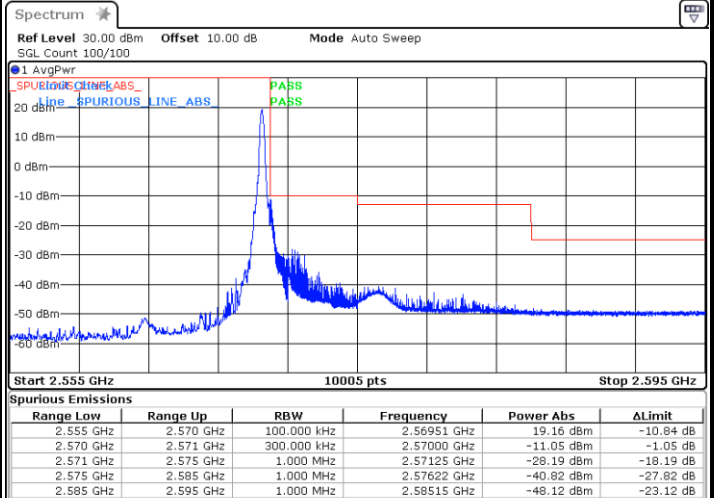
FR1 n7 / 15MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



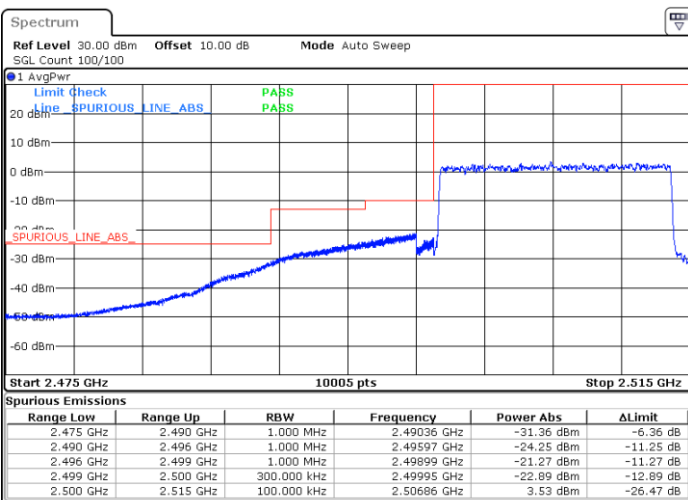
Date: 1 JAN 2021 16:30:25



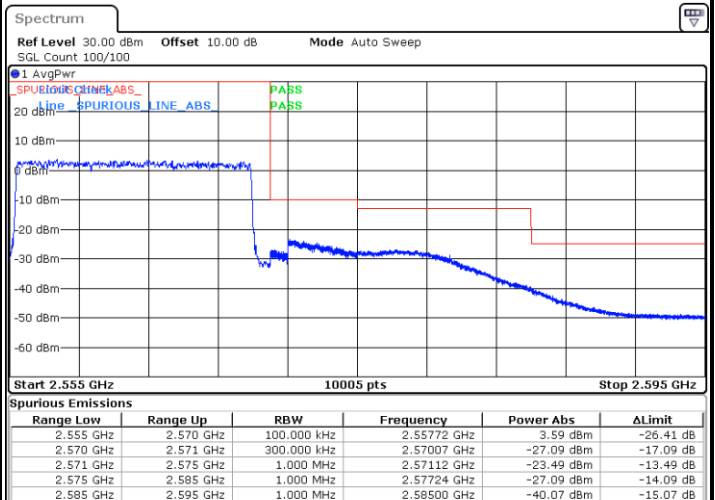
Date: 1 JAN 2021 16:45:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 1 JAN 2021 16:11:04



Date: 1 JAN 2021 16:45:52

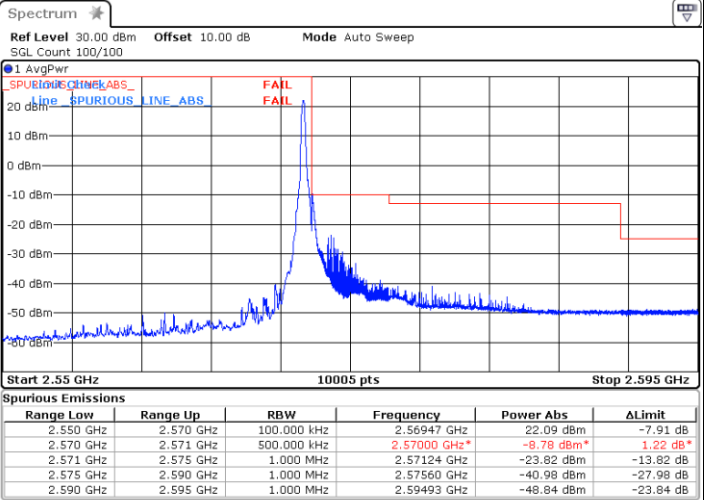
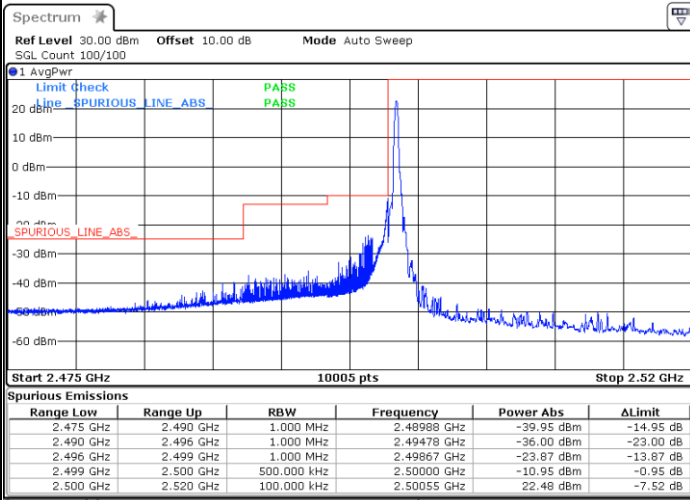




FR1 n7 / 20MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

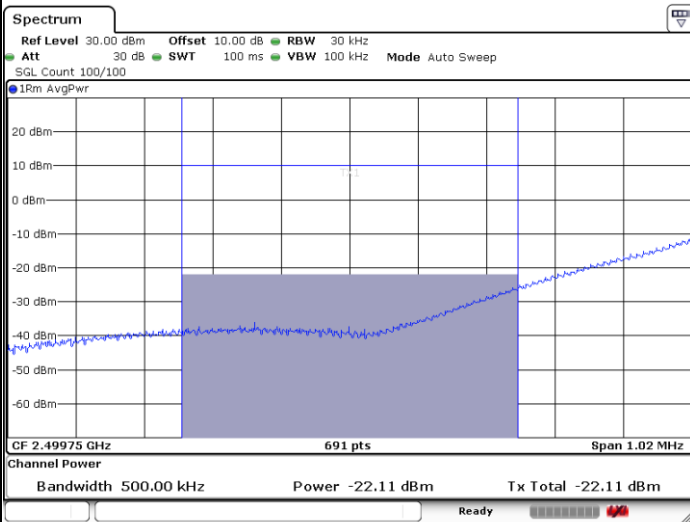


Date: 2 JAN 2021 11:19:01

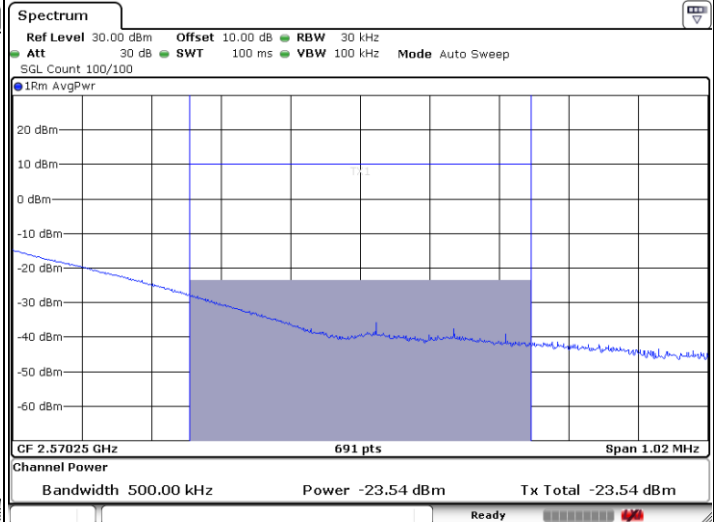
Date: 2 JAN 2021 12:16:36

Channel Power < -10dBm

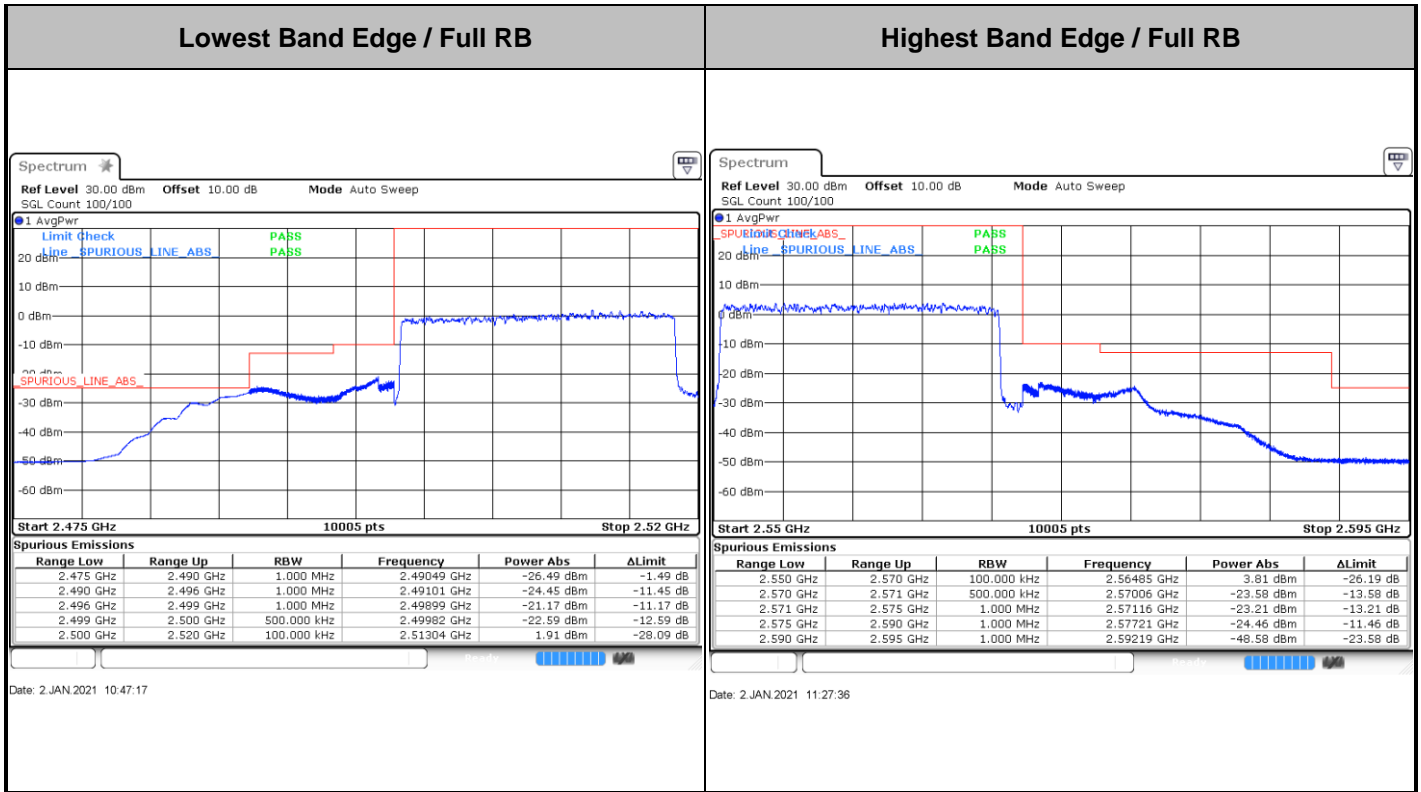
Channel Power < -10dBm



Date: 14 JAN 2021 09:09:08



Date: 14 JAN 2021 09:31:15

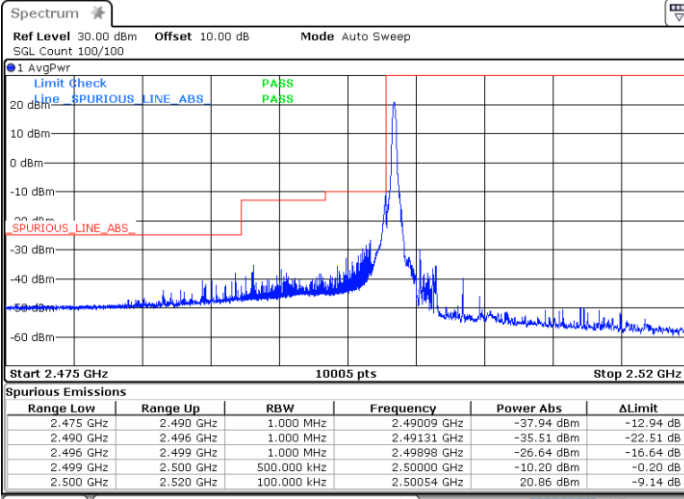




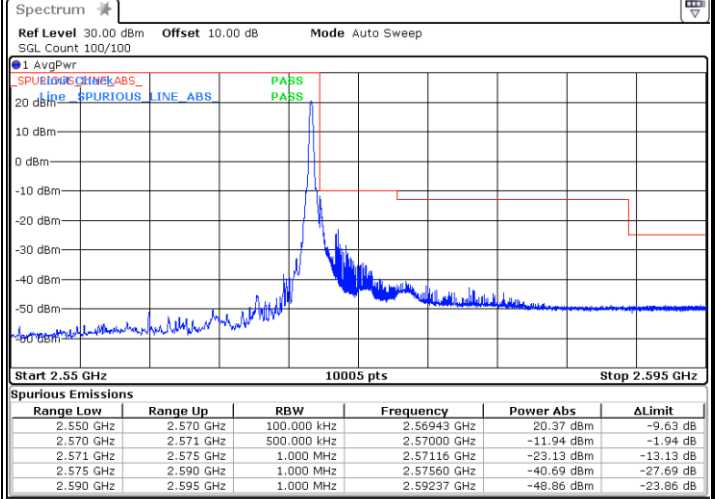
FR1 n7 / 20MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

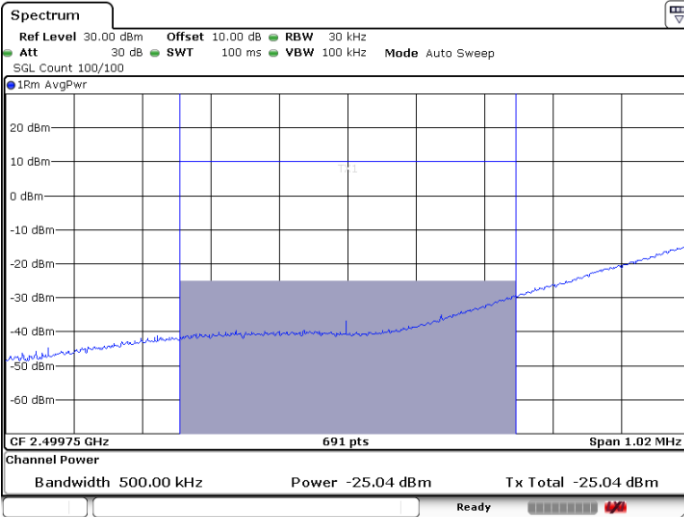


Date: 2 JAN 2021 11:13:23

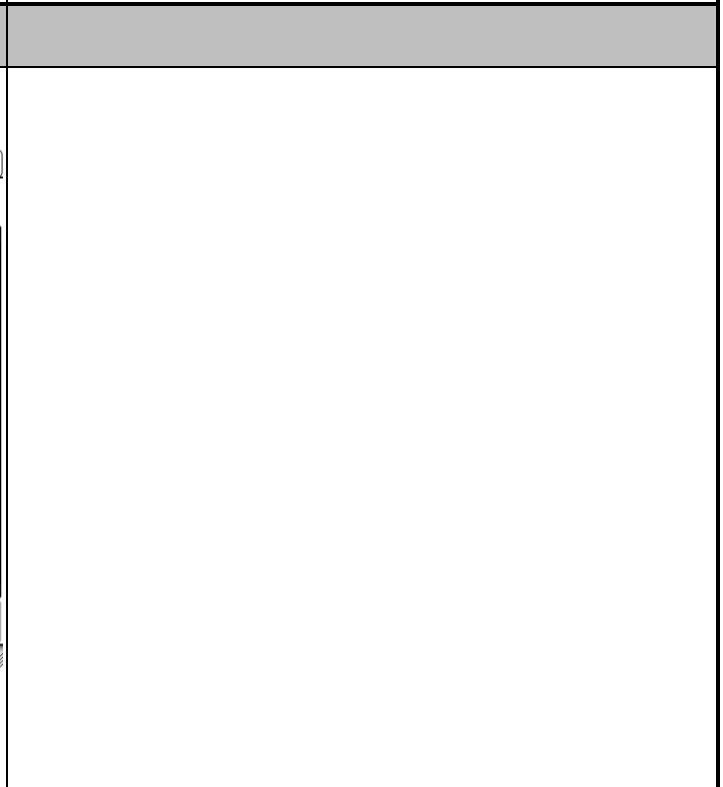
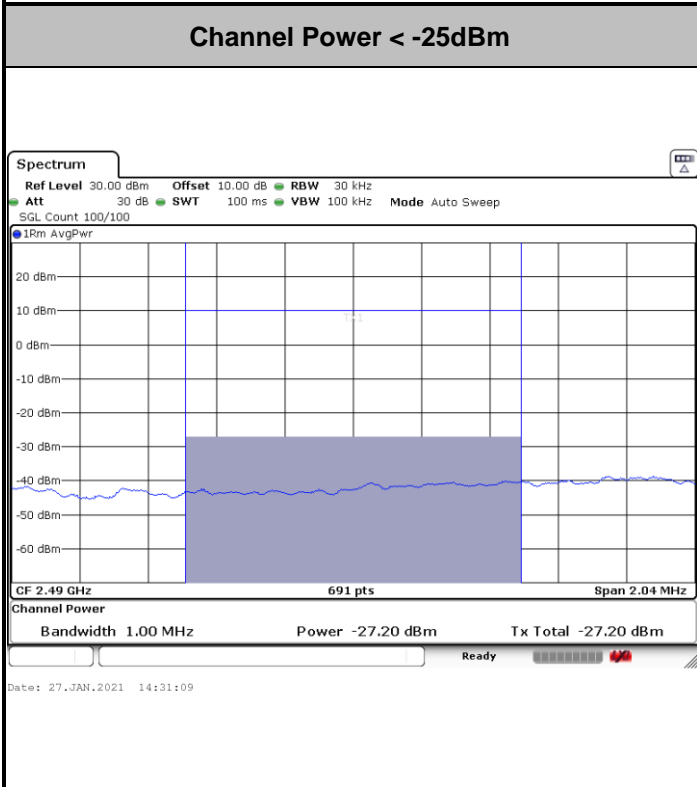
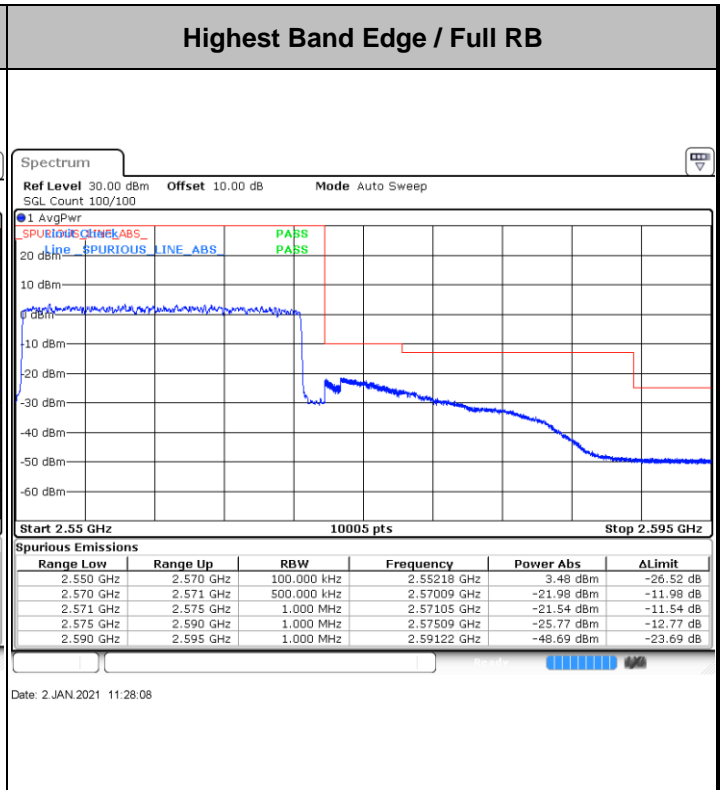
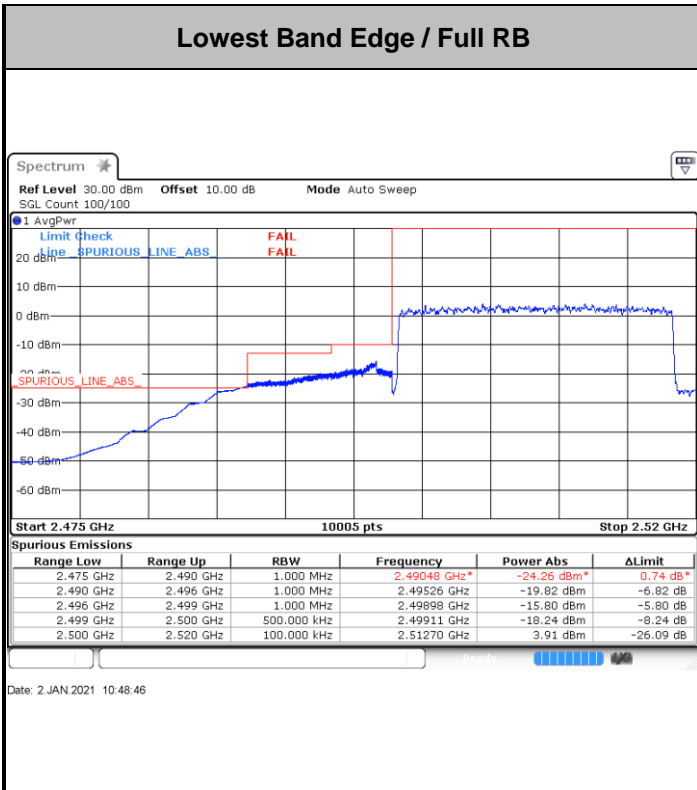


Date: 2 JAN 2021 12:18:09

Channel Power < -10dBm



Date: 14 JAN 2021 09:10:28

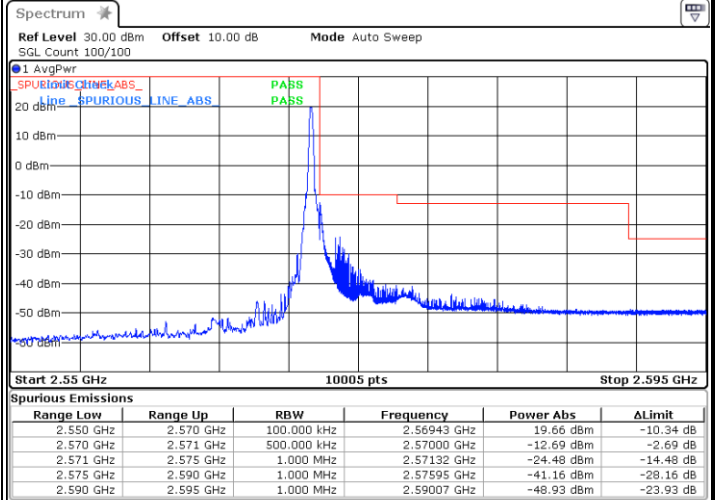
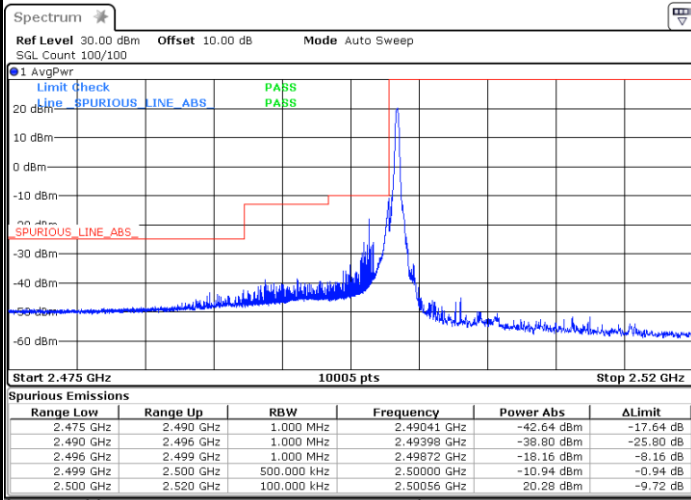




FR1 n7 / 20MHz / DFT-s-OFDM / 16QAM

Lowest Band Edge / 1RB0

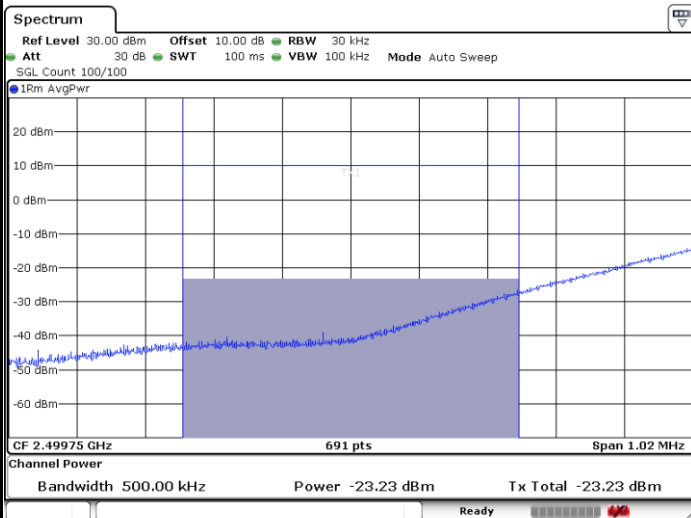
Highest Band Edge / 1RBMAX



Date: 2 JAN 2021 11:10:25

Date: 2 JAN 2021 12:19:44

Channel Power < -10dBm



Date: 14 JAN 2021 09:11:50

