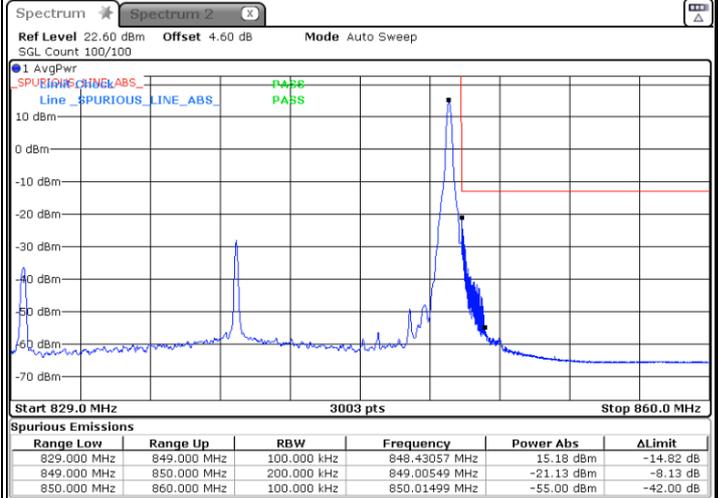
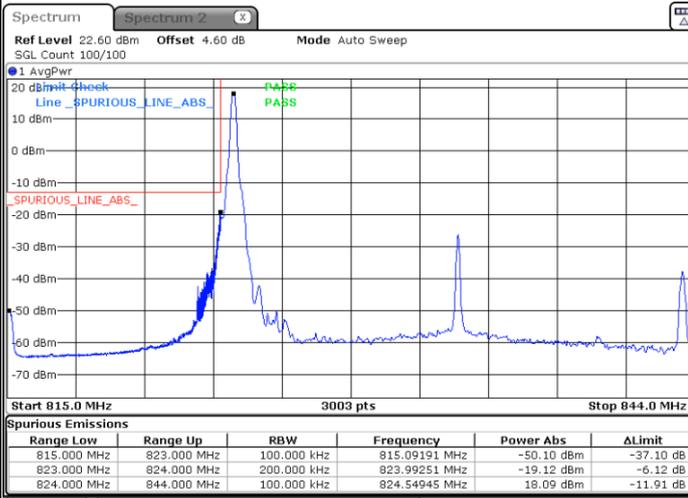




FR1 n5/ 20MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

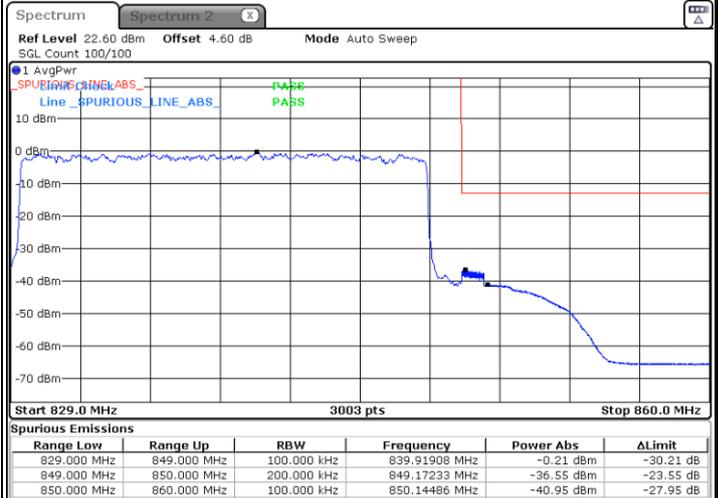
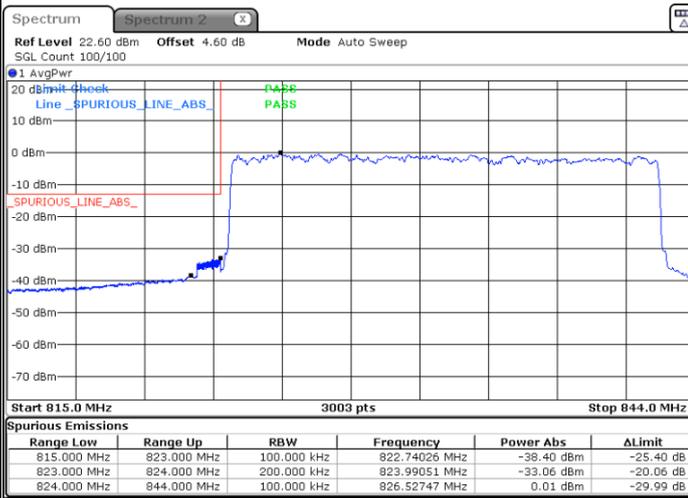


Date: 12 JAN 2021 16:32:40

Date: 12 JAN 2021 16:53:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12 JAN 2021 16:27:46

Date: 12 JAN 2021 16:59:01

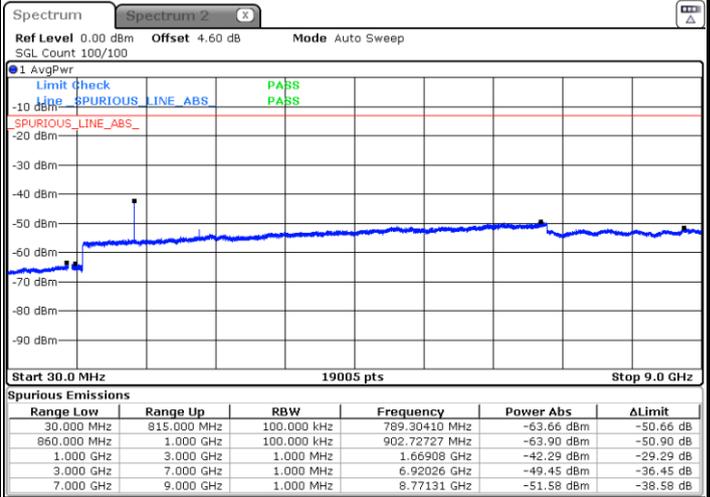
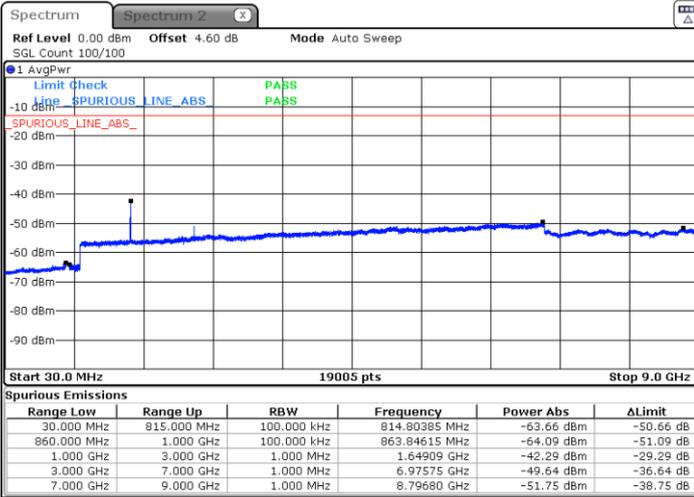


Conducted Spurious Emission

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

Lowest Channel / 1RB1

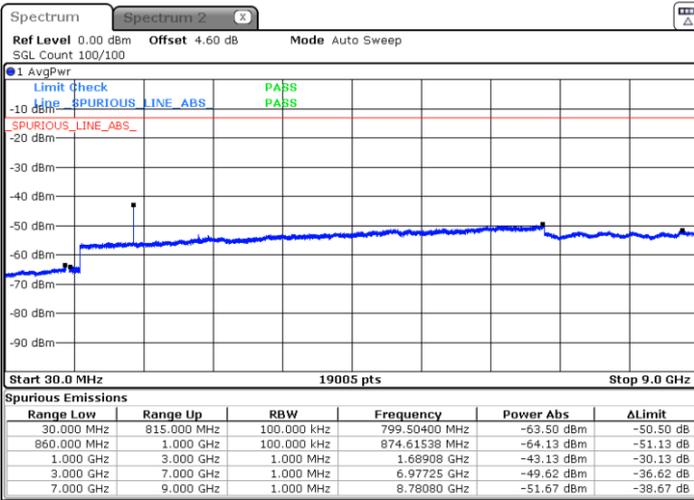
Middle Channel / 1RB1



Date: 12 JAN 2021 14:31:56

Date: 12 JAN 2021 14:39:05

Highest Channel / 1RB1



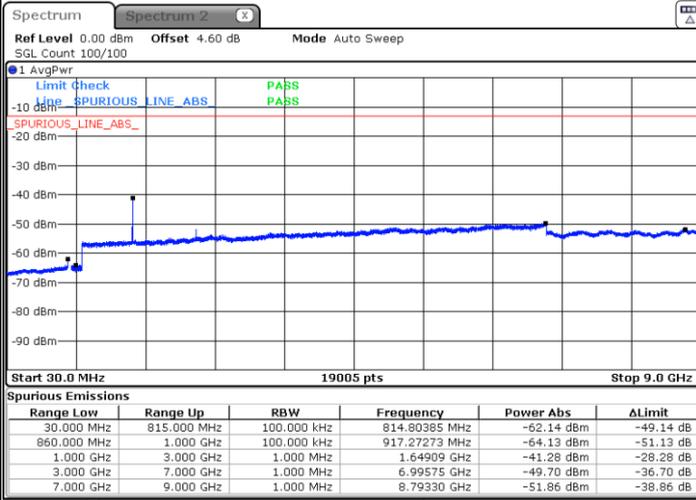
Date: 12 JAN 2021 14:40:56



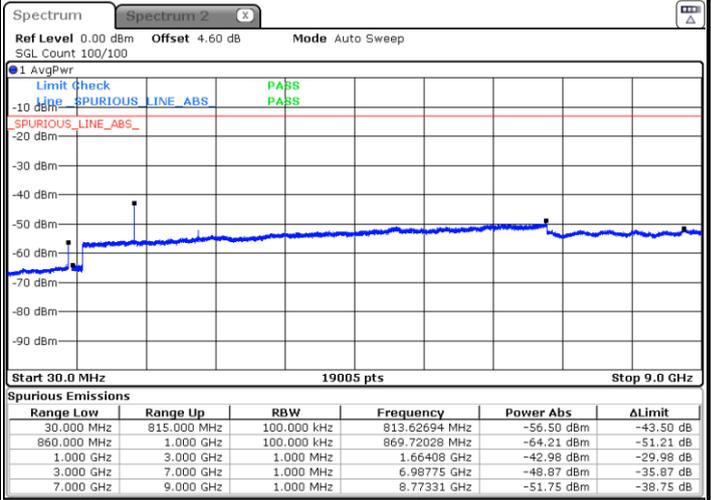
FR1 n5/ 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

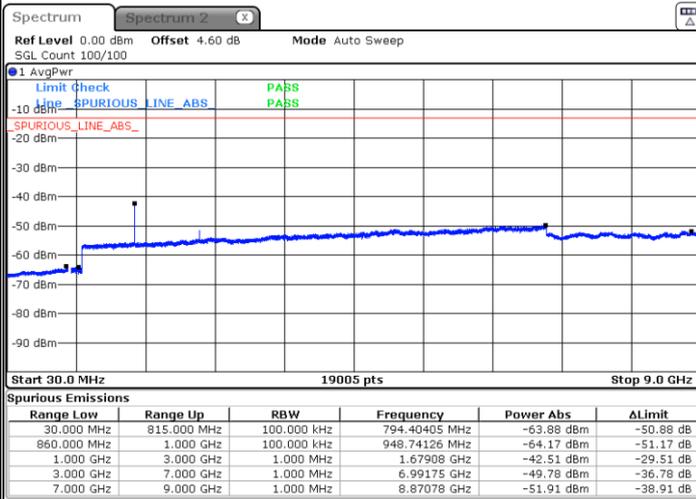


Date: 12 JAN 2021 15:29:25



Date: 12 JAN 2021 15:34:47

Highest Channel / 1RB1



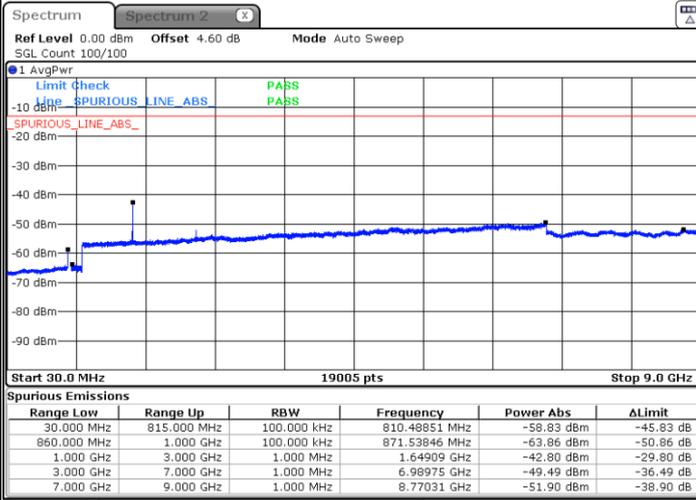
Date: 12 JAN 2021 15:36:25



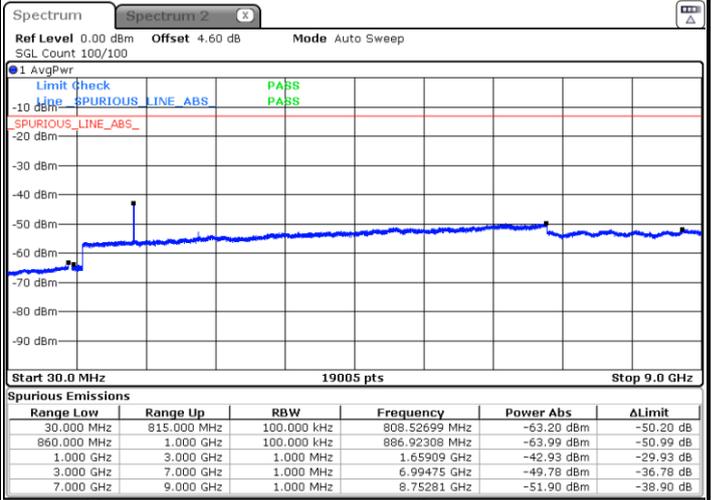
FR1 n5 / 15MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

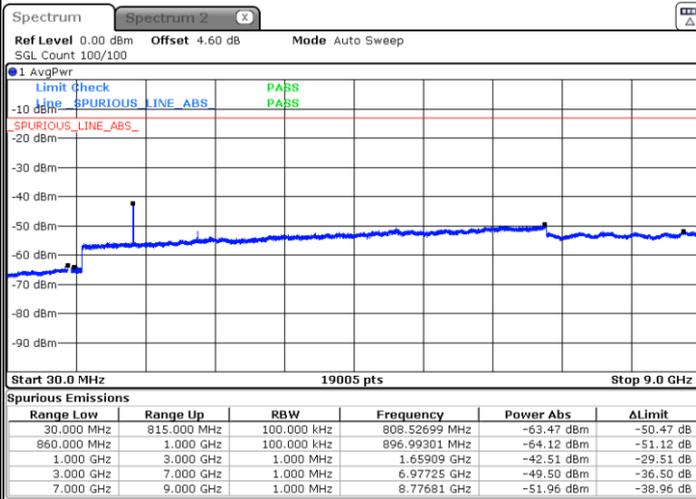


Date: 12 JAN 2021 16:04:13



Date: 12 JAN 2021 16:06:34

Highest Channel / 1RB1



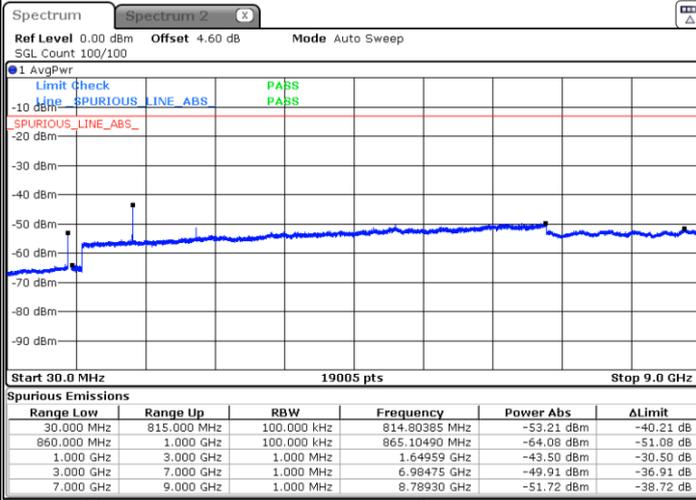
Date: 12 JAN 2021 16:08:42



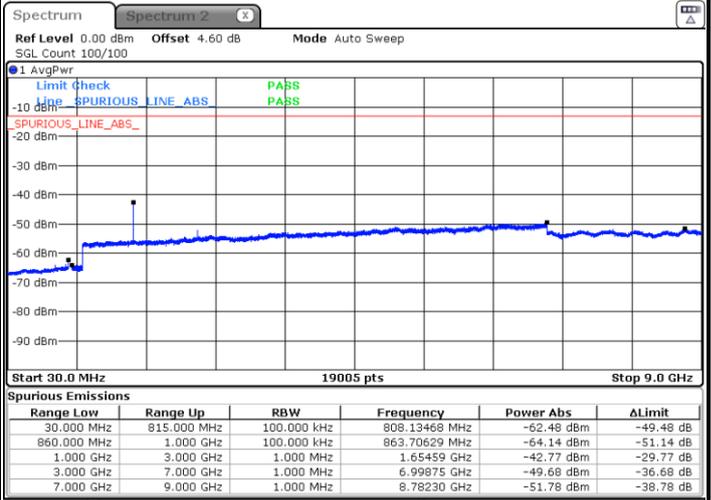
FR1 n5 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

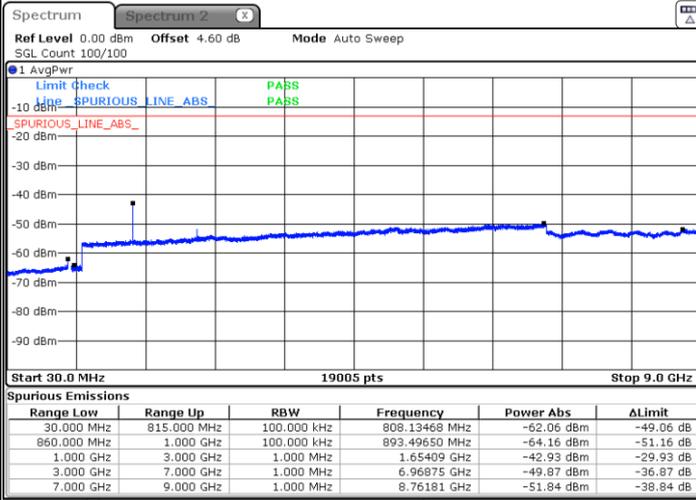


Date: 12 JAN 2021 16:36:01



Date: 12 JAN 2021 16:40:51

Highest Channel / 1RB1



Date: 12 JAN 2021 16:46:49



Frequency Stability

Test Conditions		FR1 n5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0025	PASS
40	Normal Voltage	0.0055	
30	Normal Voltage	0.0071	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0036	
0	Normal Voltage	0.0061	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0051	
-30	Normal Voltage	0.0042	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0095	

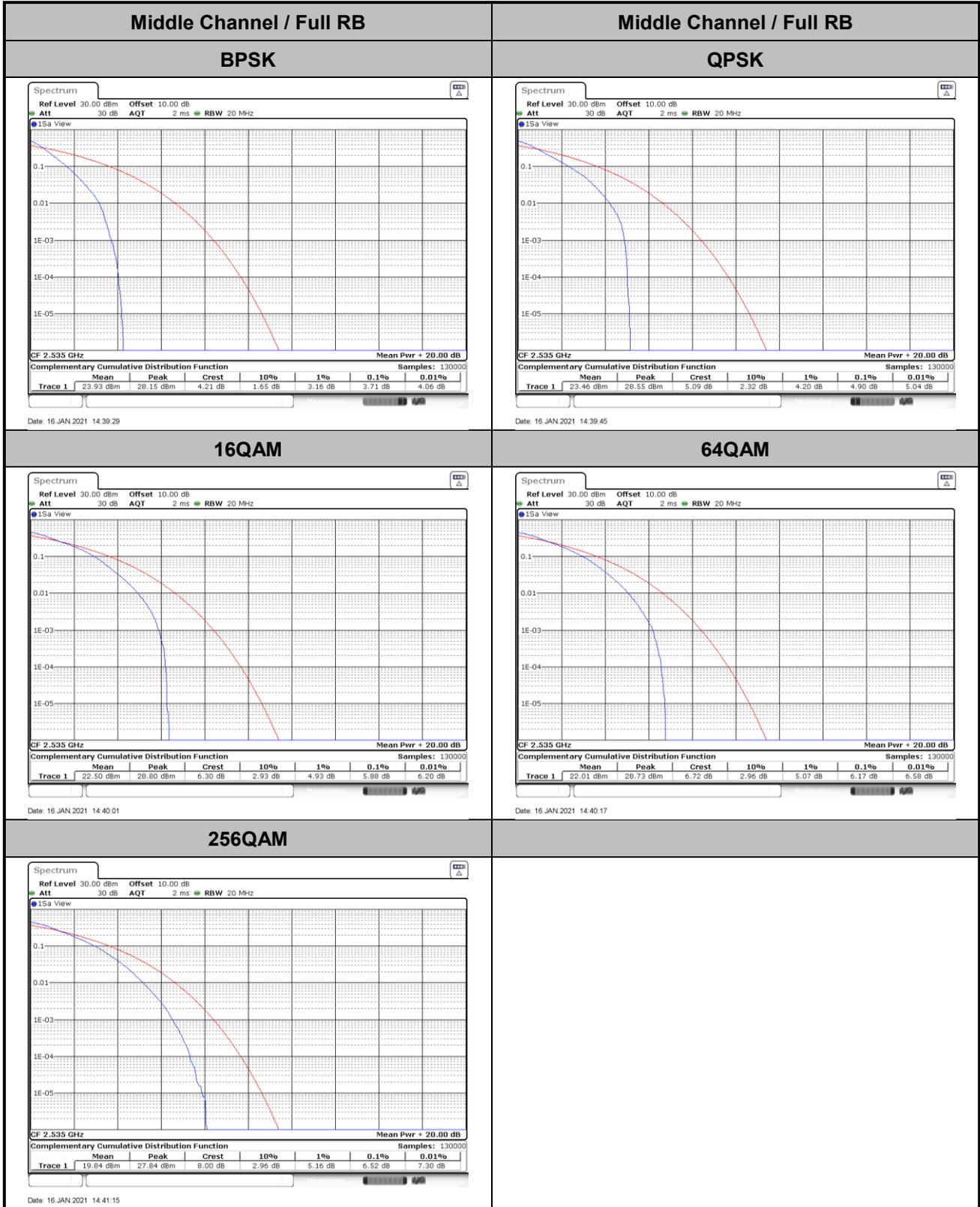
Note: Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6V. ; Maximum Voltage =4.4 V.



5G NR n7 SA

Peak-to-Average Ratio

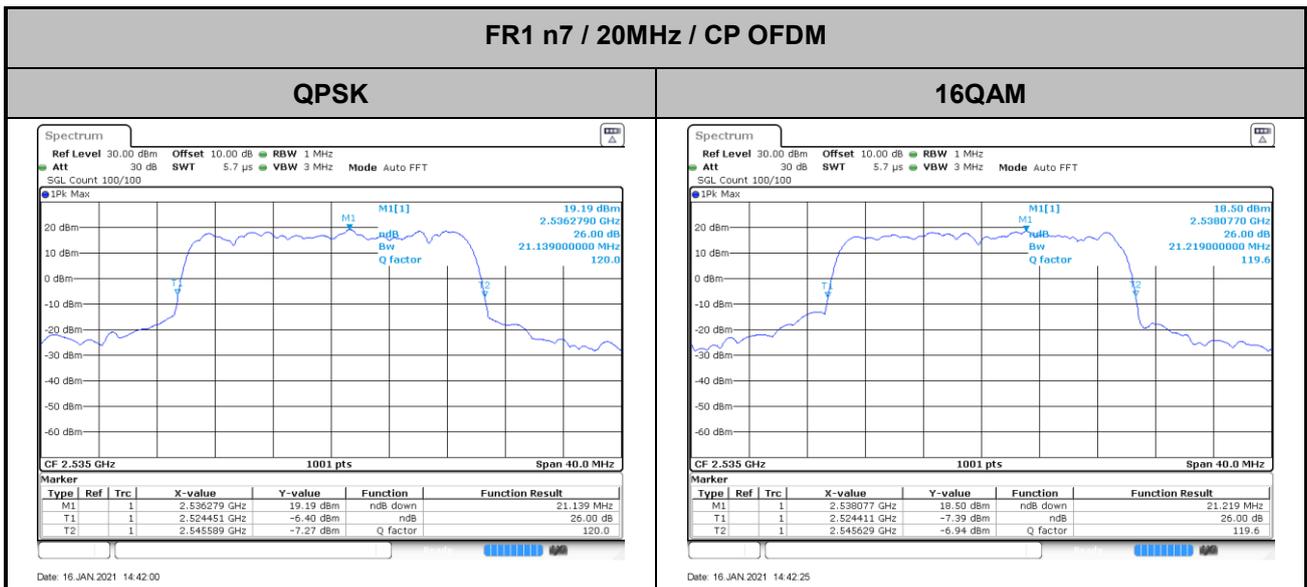
Mode	FR1 n7 / 20MHz / DFT-S OFDM				
Mod.	PI/2 BPSK	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	3.71	4.90	5.88	6.17	PASS
Mod.	256QAM				Limit: 13dB
RB Size	Full RB				Result
Middle CH	6.52				PASS





26dB Bandwidth

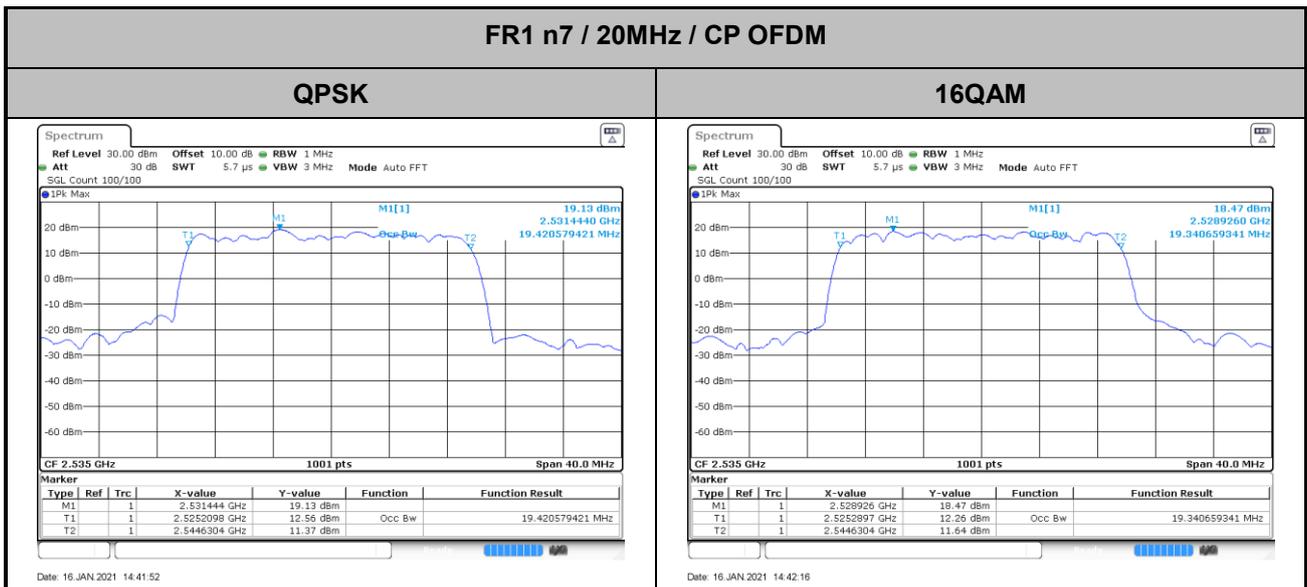
Mode	FR1 n7 : 26dB BW(MHz) / CP OFDM	
BW	20M	
Mod.	QPSK	16QAM
Middle CH	21.139	21.219





Occupied Bandwidth

Mode	FR1 n7 : 99%OBW(MHz) / CP OFDM	
BW	20M	
Mod.	QPSK	16QAM
Middle CH	19.42	19.34



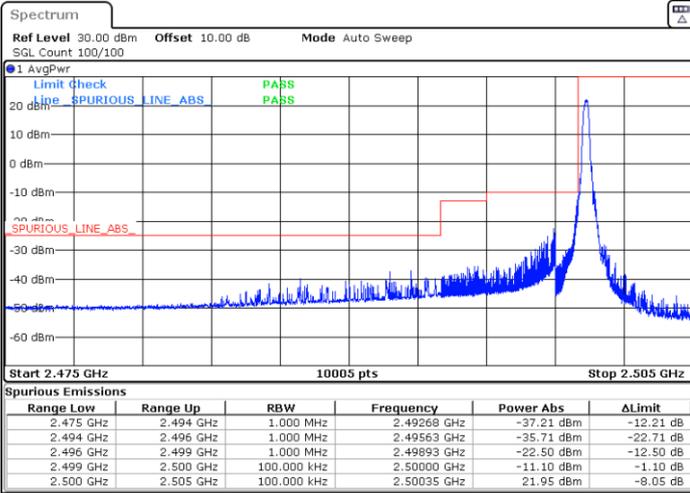


Conducted Band Edge

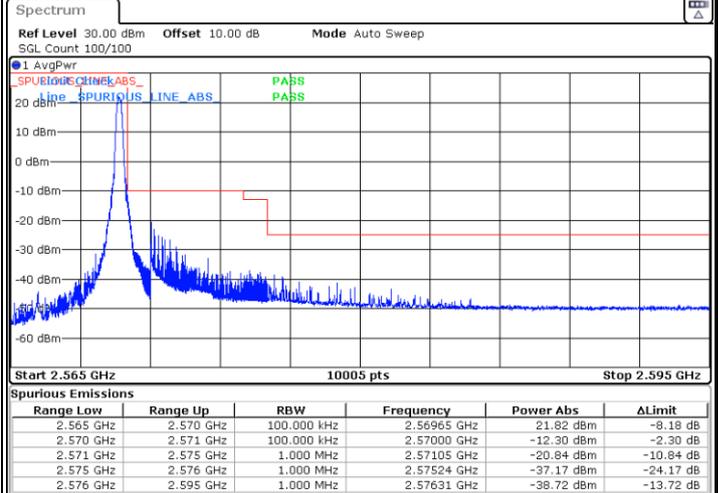
FR1 n7 / 5MHz / DFT-S OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



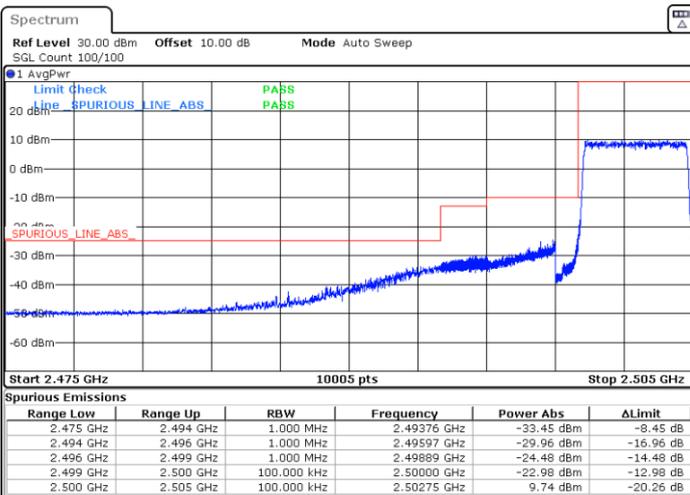
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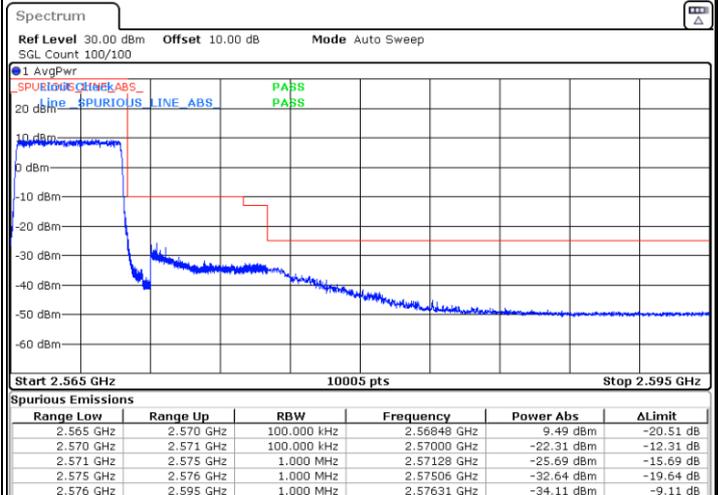
Date: 16 JAN 2021 13:14:42

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16 JAN 2021 13:03:51



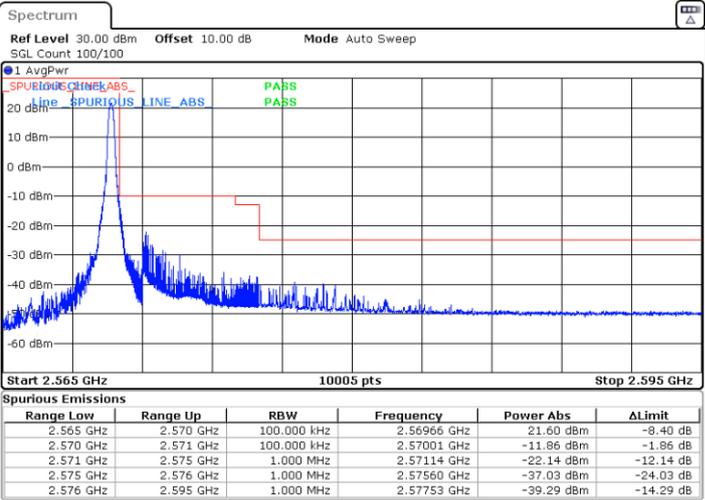
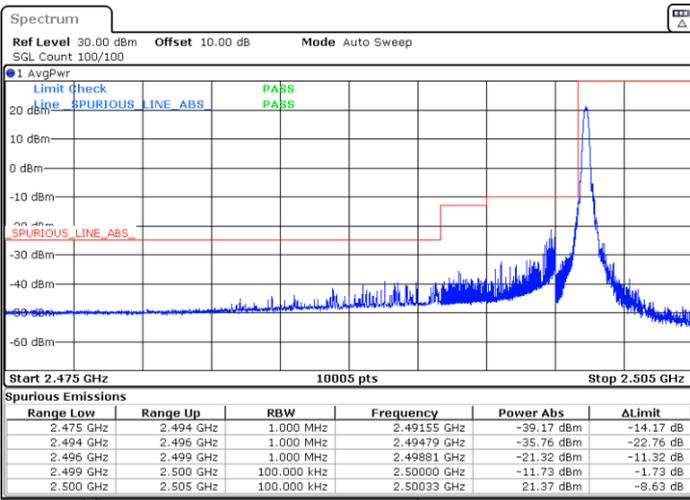
Date: 16 JAN 2021 13:22:18



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

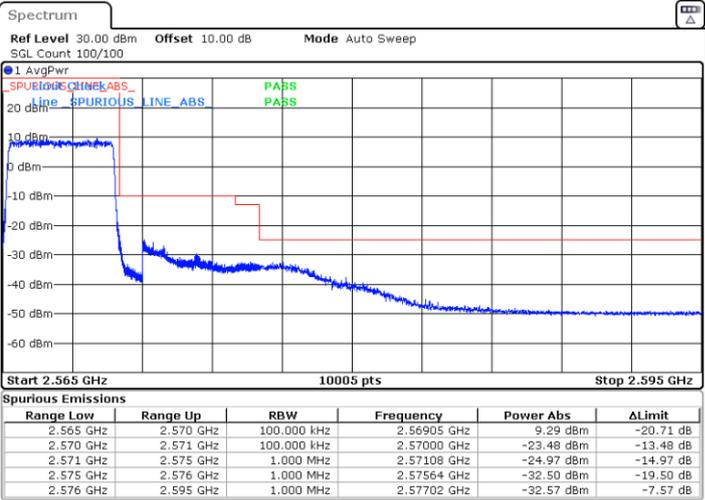
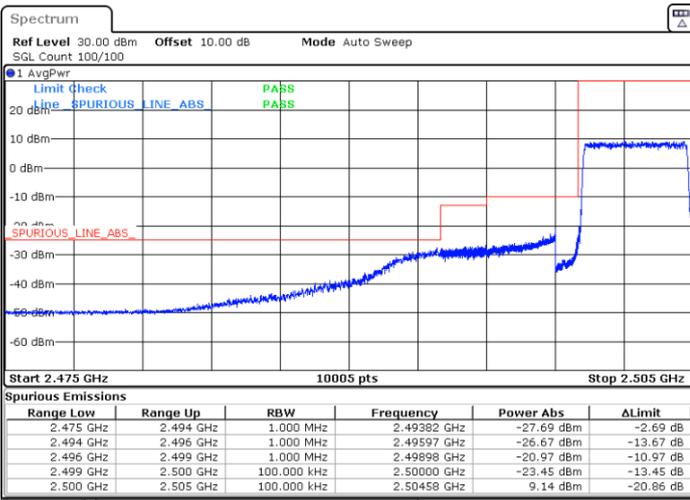


Date: 16 JAN 2021 13:08:33

Date: 16 JAN 2021 13:15:02

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16 JAN 2021 13:04:13

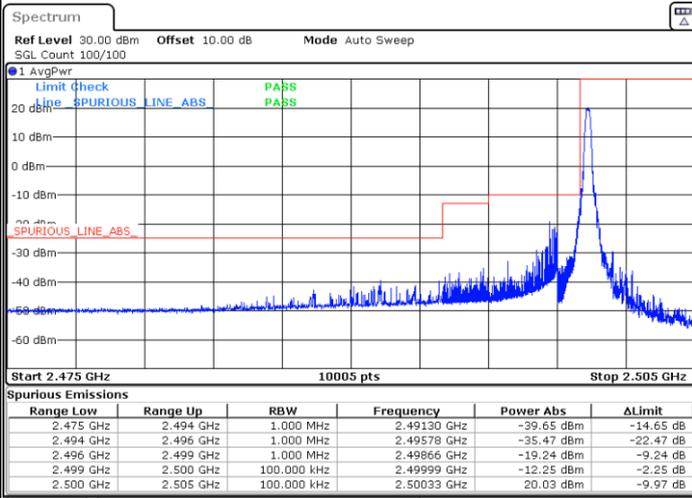
Date: 16 JAN 2021 13:20:07



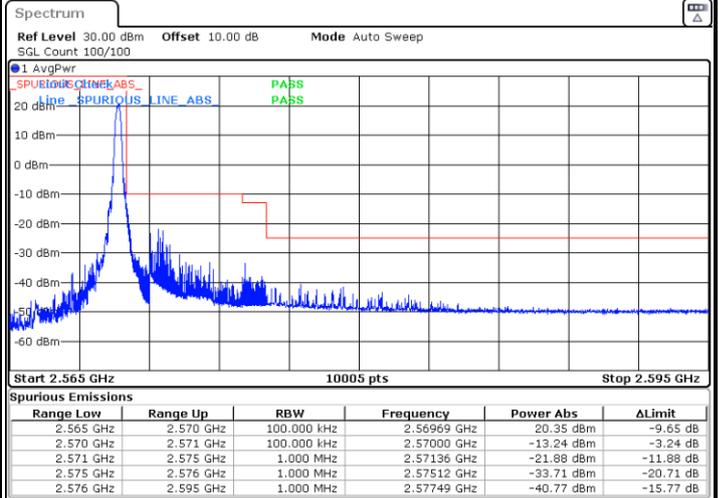
FR1 n7 / 5MHz / DFT-S OFDM / 16Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



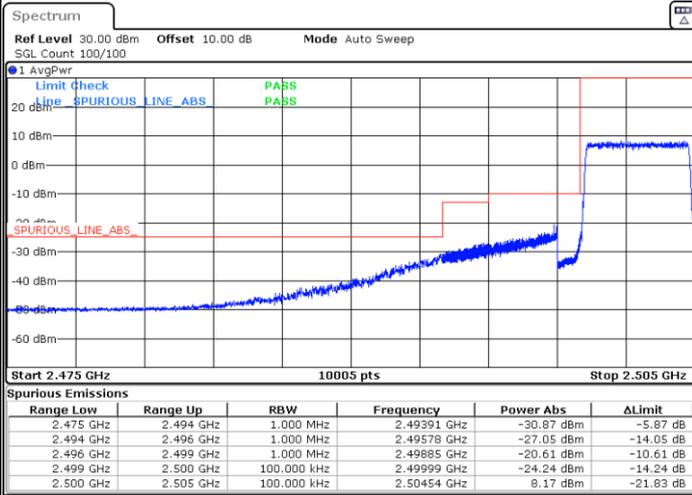
Date: 16 JAN 2021 13:08:12



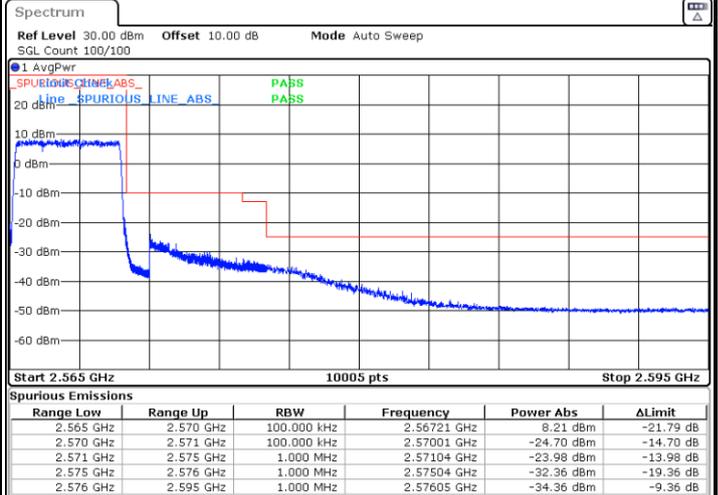
Date: 16 JAN 2021 13:15:23

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16 JAN 2021 13:04:35



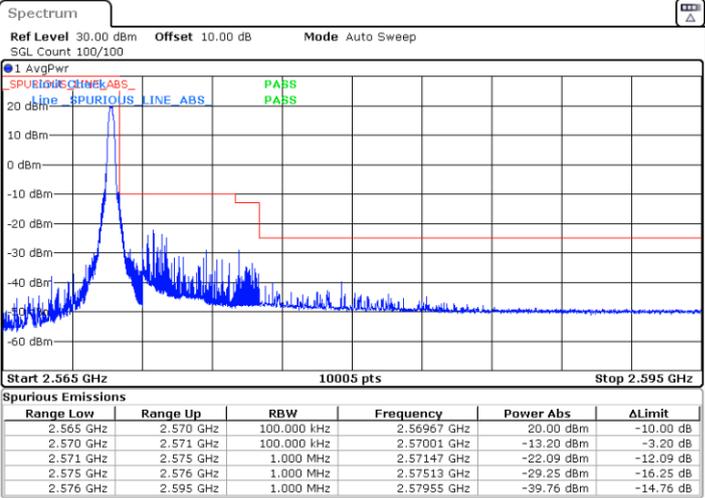
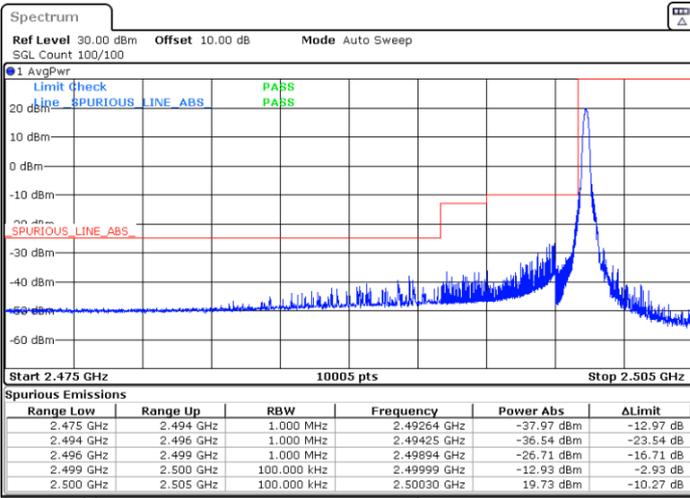
Date: 16 JAN 2021 13:20:31



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

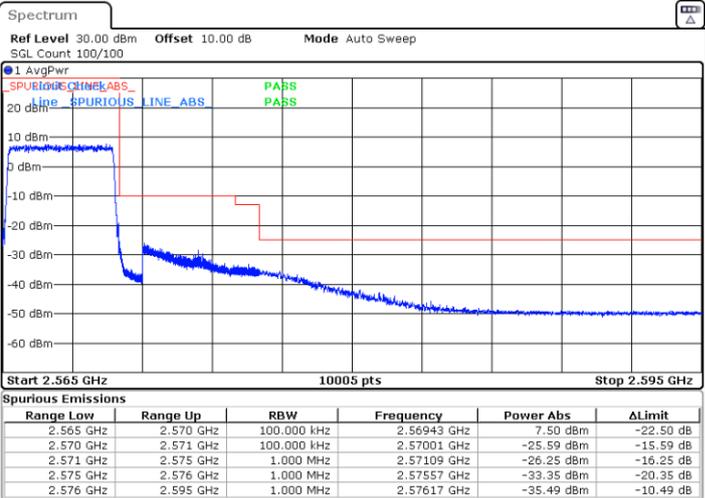
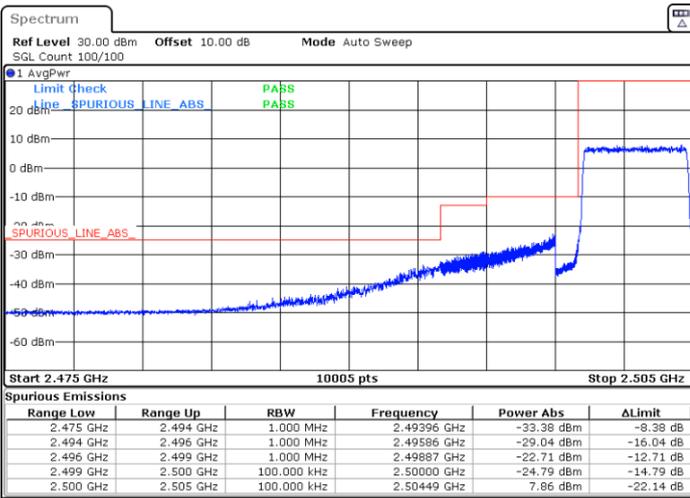


Date: 16 JAN 2021 13:07:50

Date: 16 JAN 2021 13:15:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16 JAN 2021 13:04:58

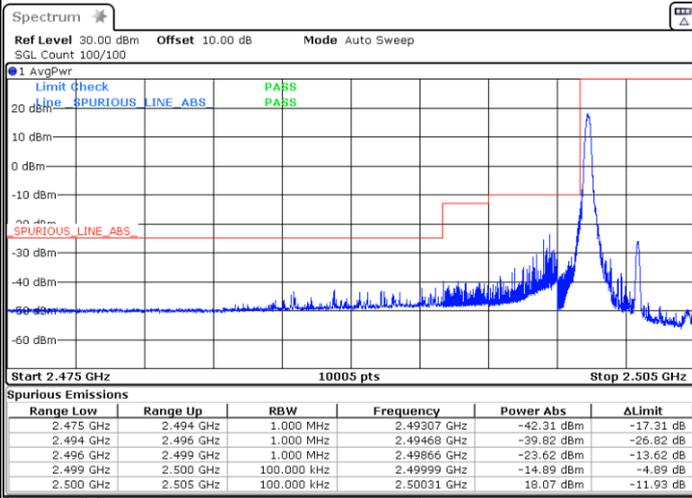
Date: 16 JAN 2021 13:20:52



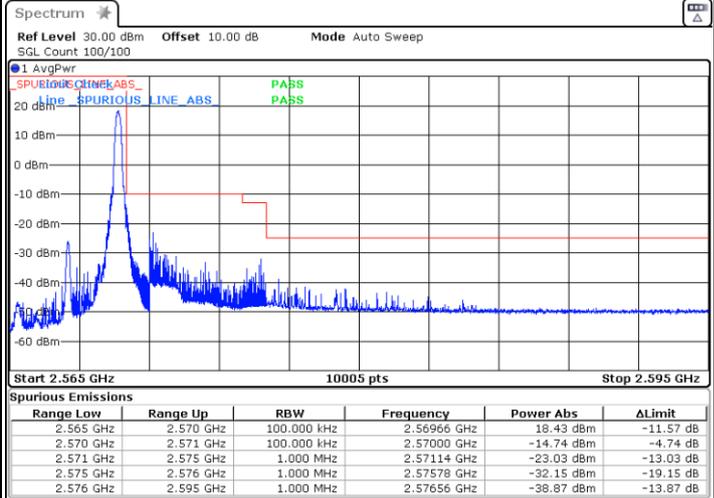
FR1 n7 / 5MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



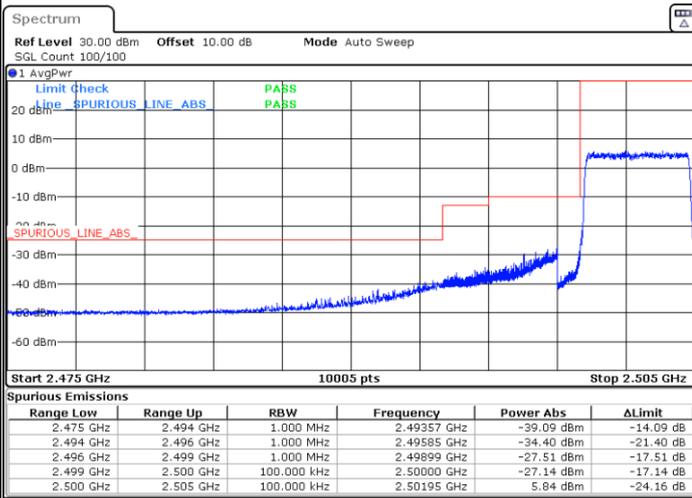
Date: 16 JAN 2021 13:07:19



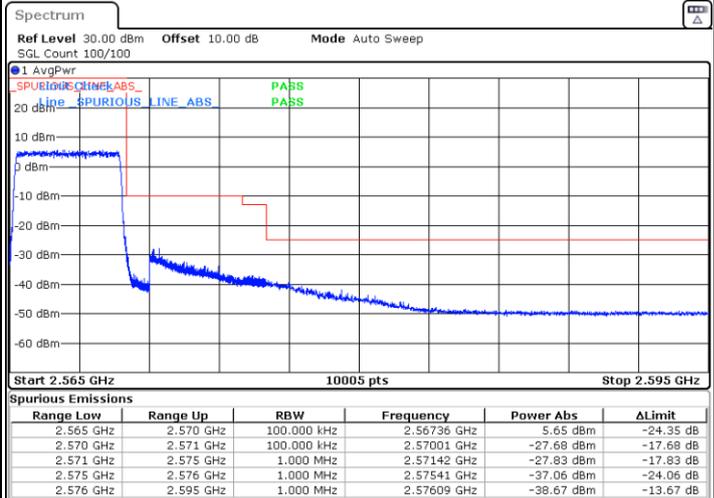
Date: 16 JAN 2021 13:17:54

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16 JAN 2021 13:05:55



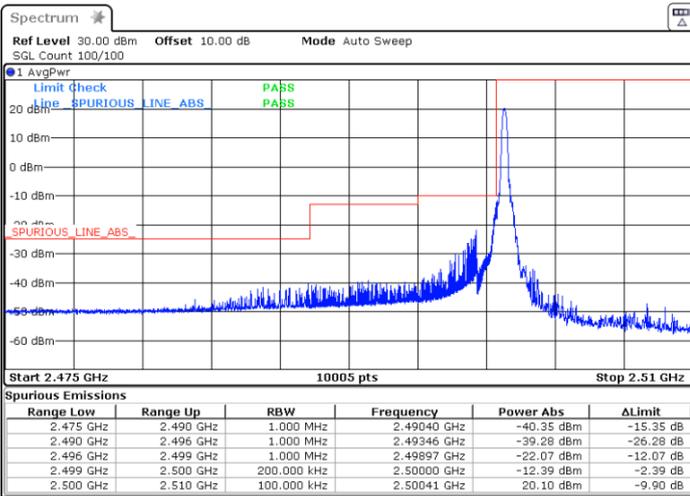
Date: 16 JAN 2021 13:21:12



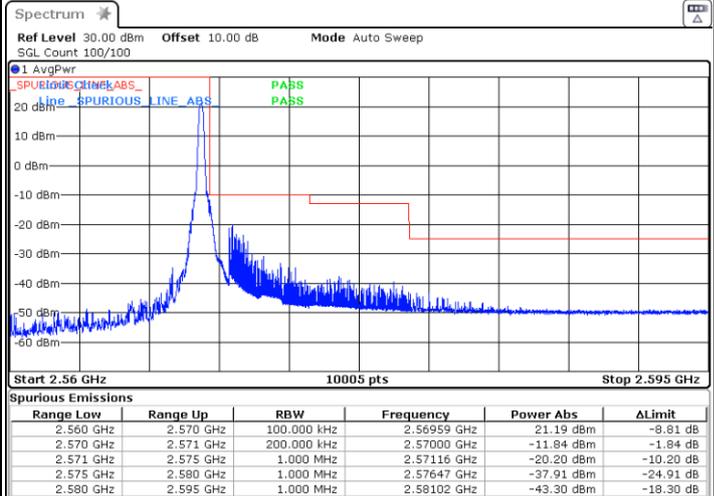
FR1 n7 / 10MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



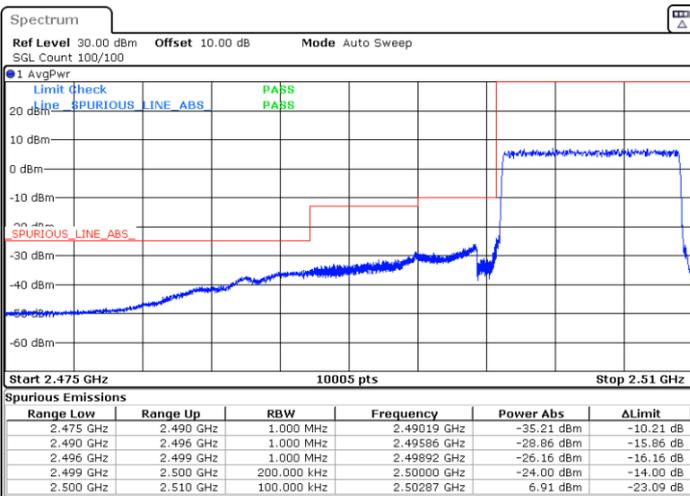
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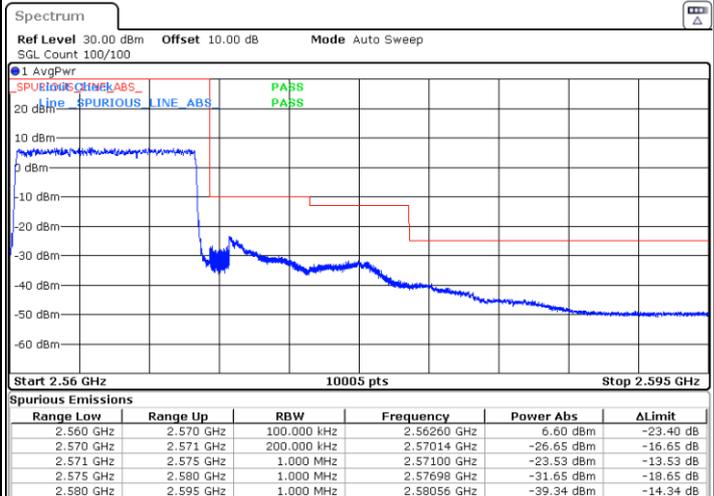
Date: 16 JAN 2021 13:53:52

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16 JAN 2021 13:30:25



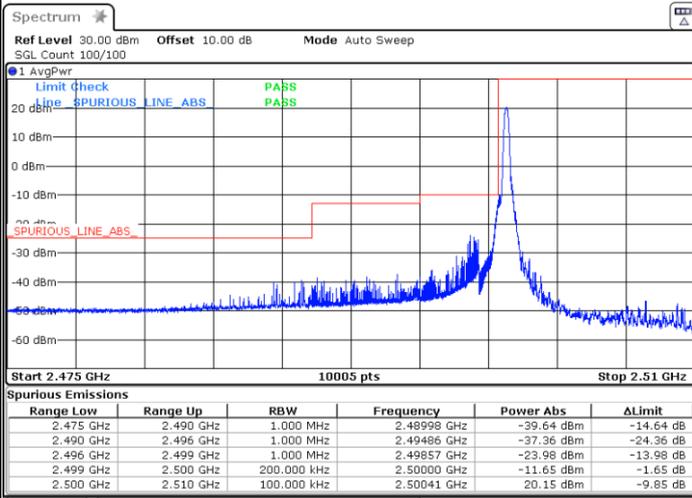
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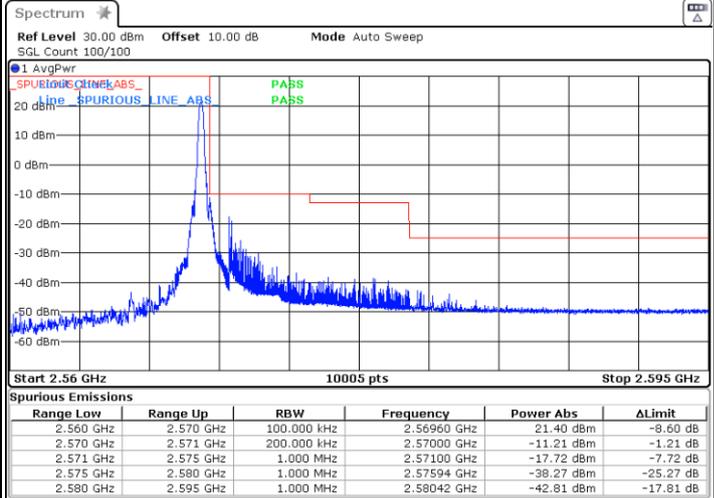
FR1 n7 / 10MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



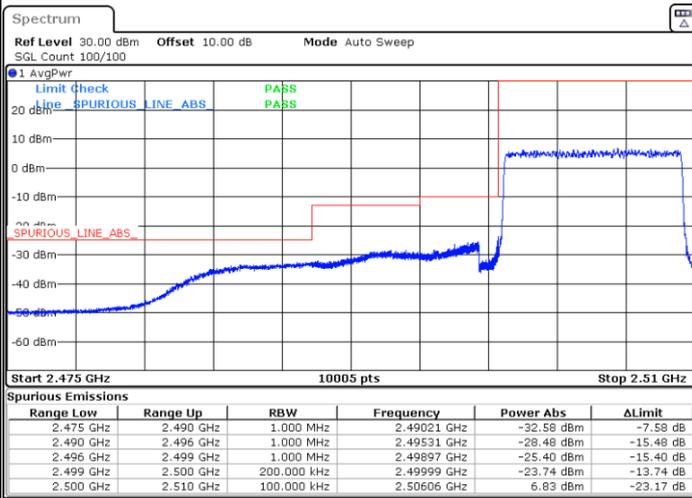
Date: 16 JAN 2021 13:26:03



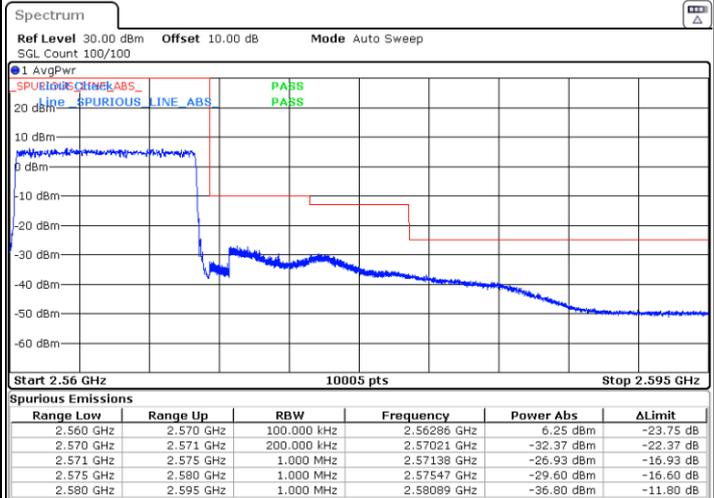
Date: 16 JAN 2021 13:54:46

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16 JAN 2021 13:28:25



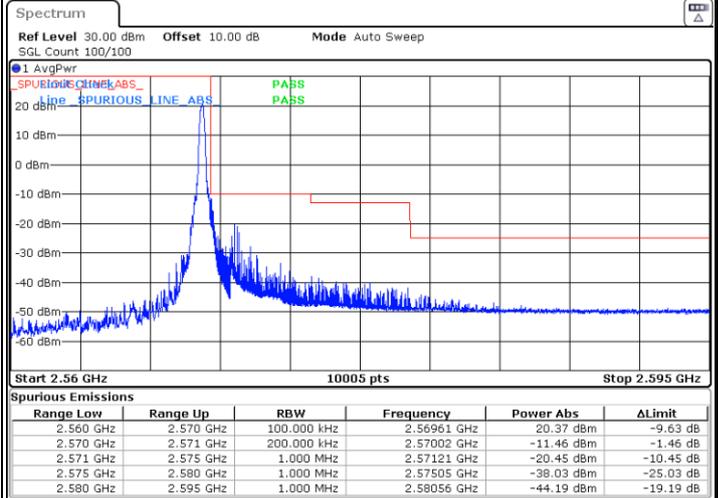
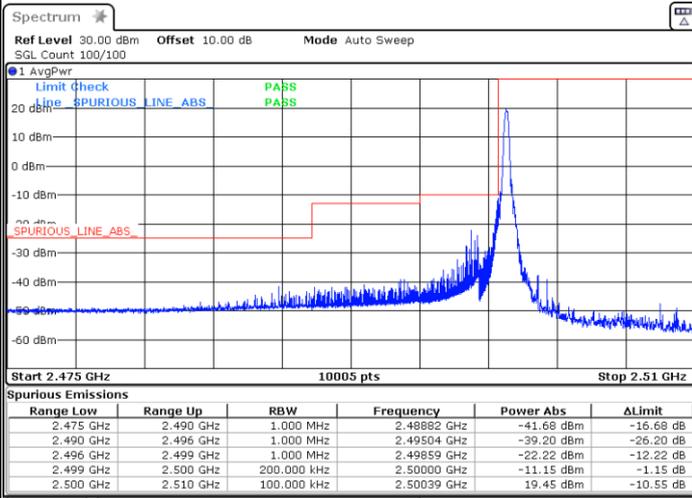
Date: 16 JAN 2021 13:57:38



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

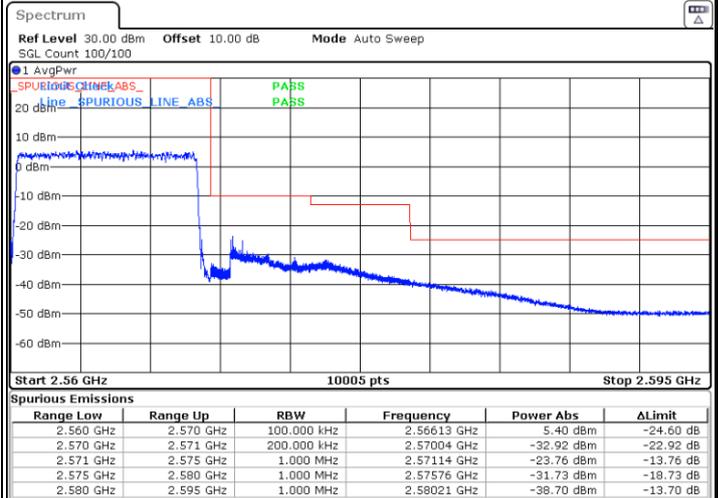
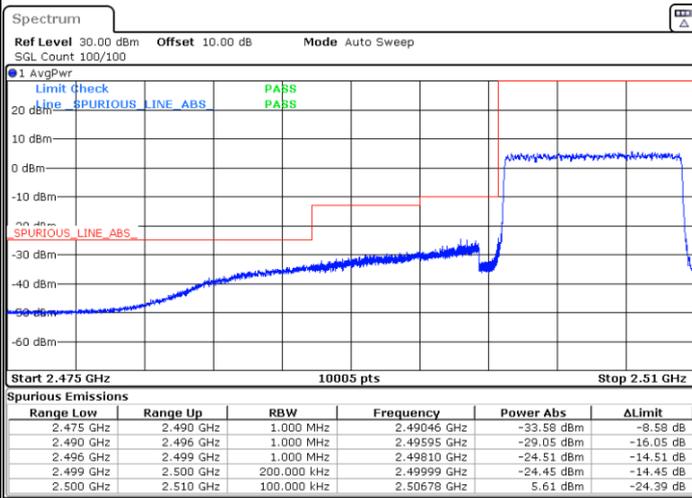


Date: 16 JAN 2021 13:26:34

Date: 16 JAN 2021 13:55:08

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16 JAN 2021 13:28:44

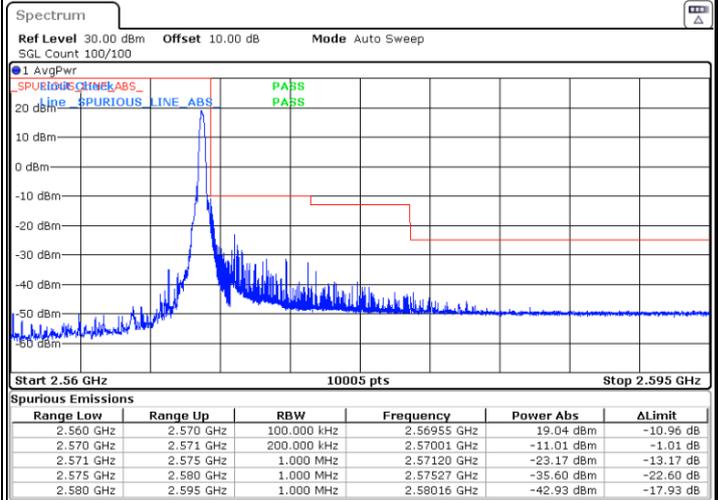
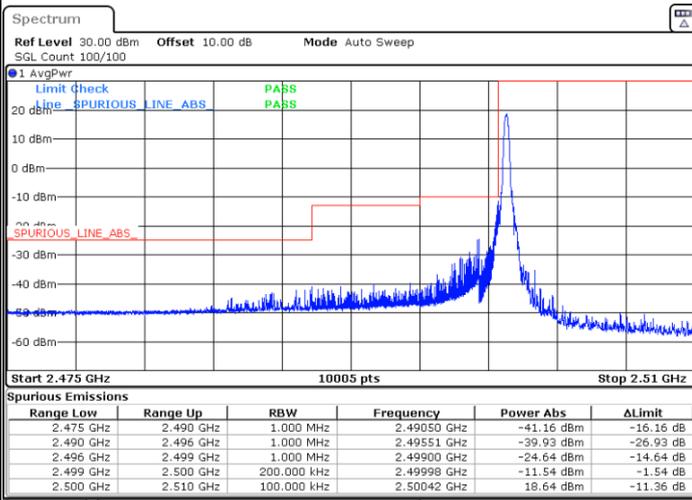
Date: 16 JAN 2021 13:57:17



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

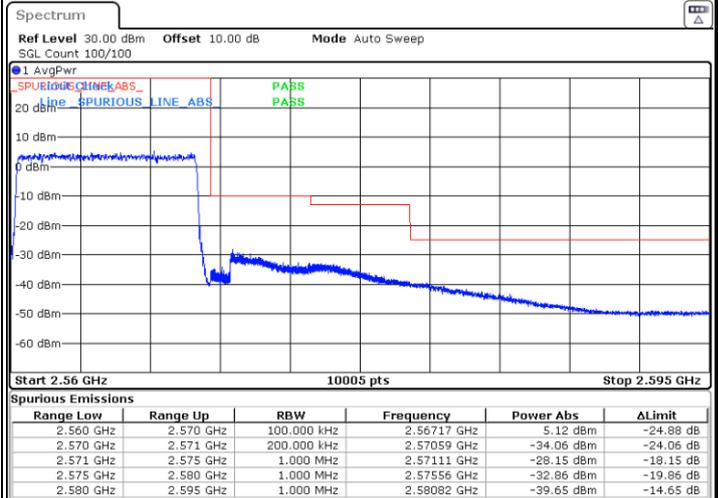
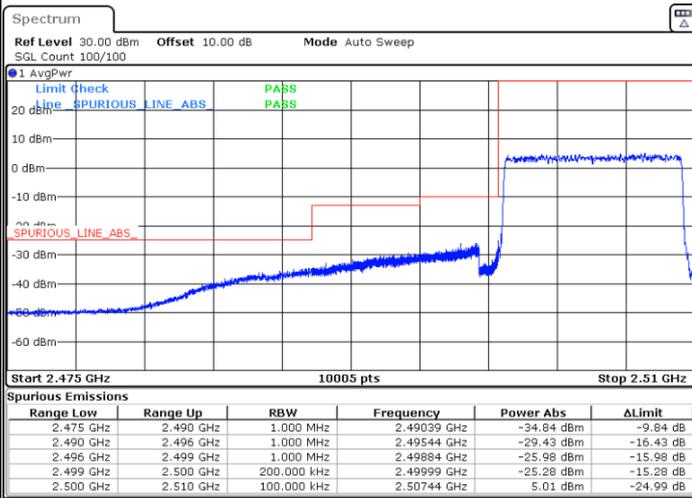


Date: 16 JAN 2021 13:26:54

Date: 16 JAN 2021 13:55:28

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16 JAN 2021 13:29:02

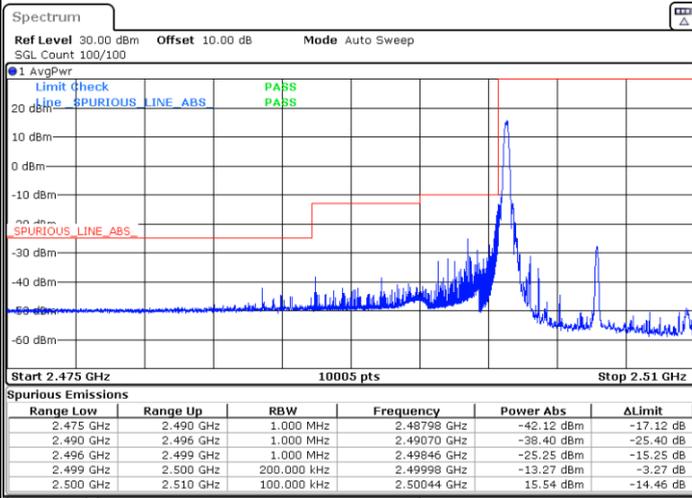
Date: 16 JAN 2021 13:56:59



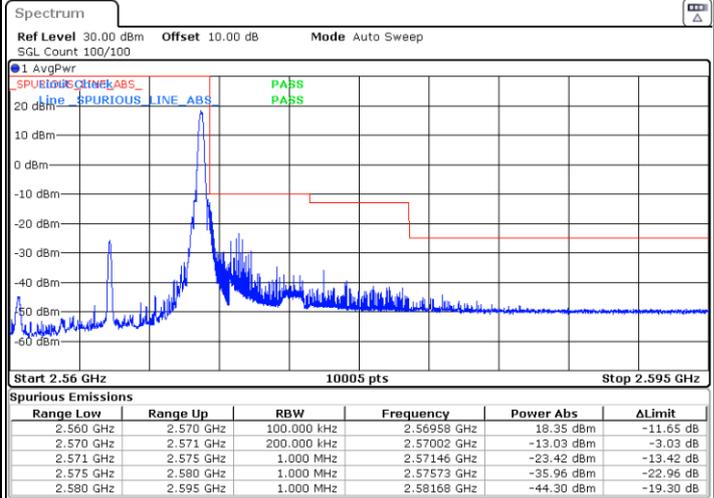
FR1 n7 / 10MHz / DFT-s-OFDM / 256QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



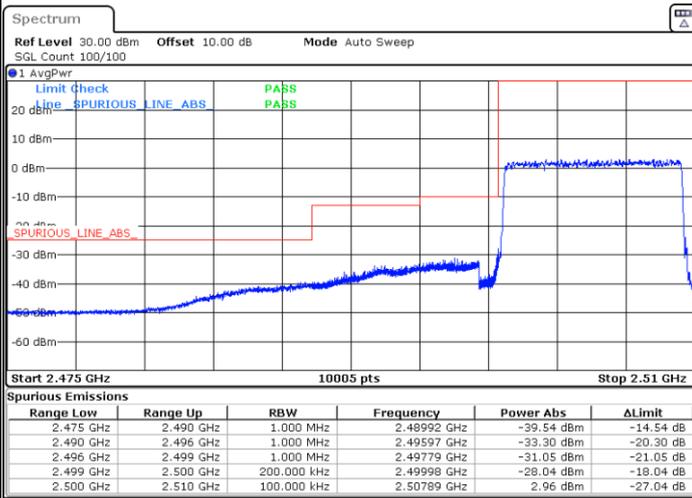
Date: 16 JAN 2021 13:27:47



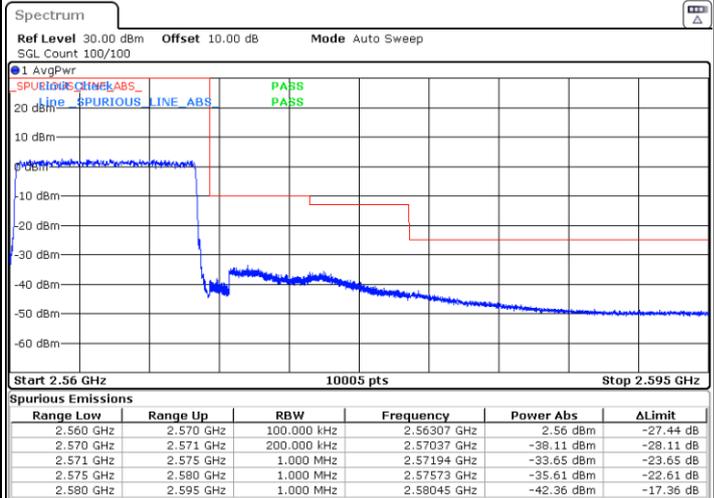
Date: 16 JAN 2021 13:56:12

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16 JAN 2021 13:29:22



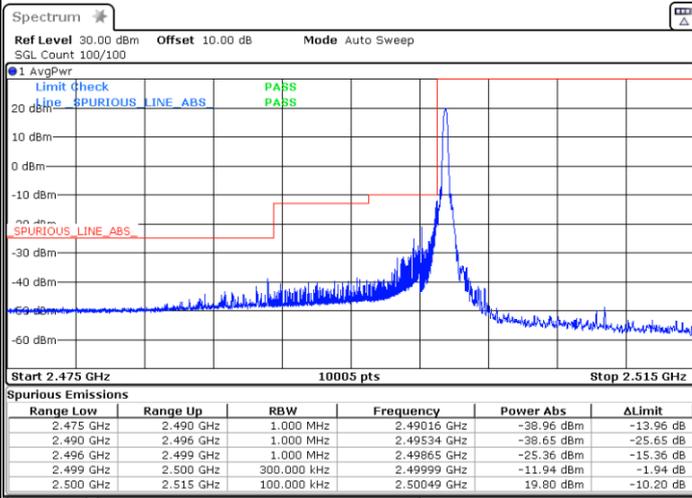
Date: 16 JAN 2021 13:56:40



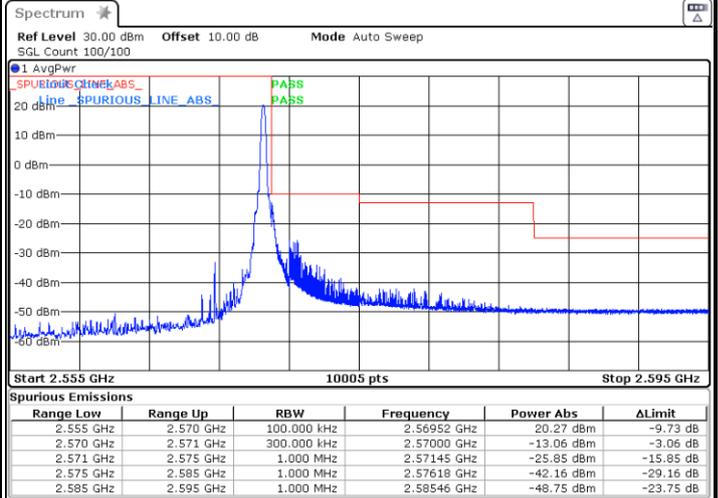
FR1 n7 / 15MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX



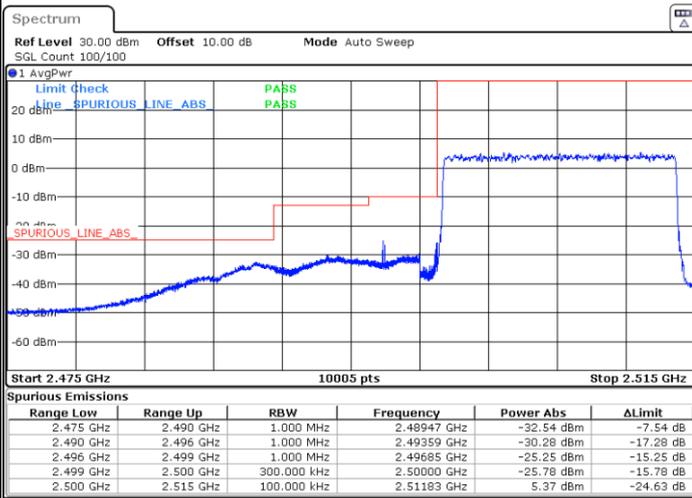
Date: 16 JAN 2021 14:05:48



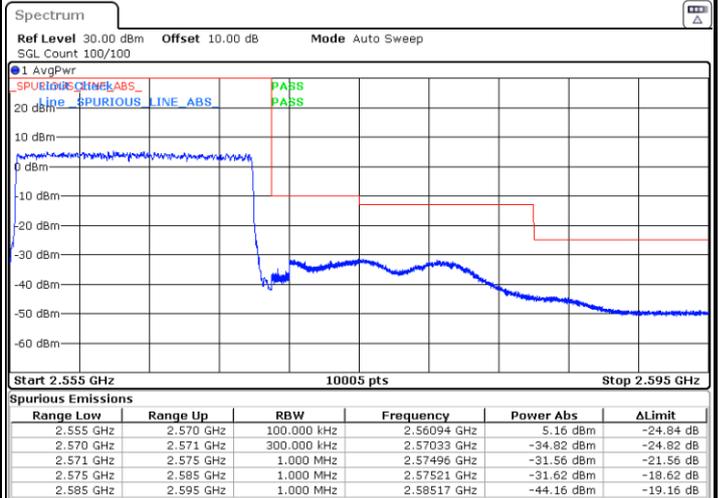
Date: 16 JAN 2021 14:13:33

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16 JAN 2021 14:00:33



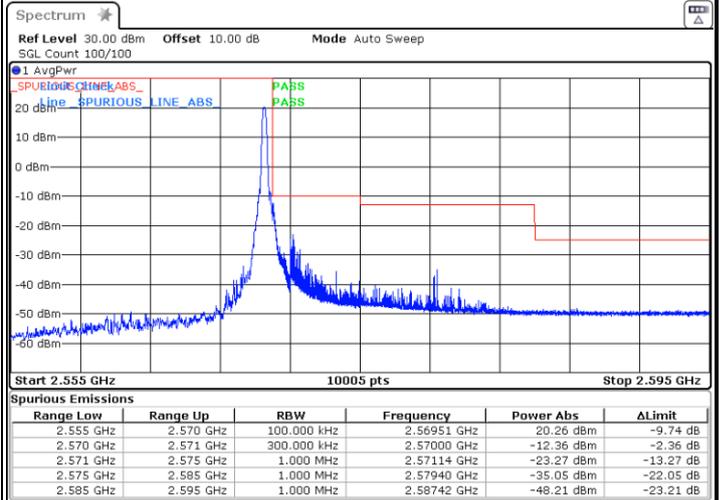
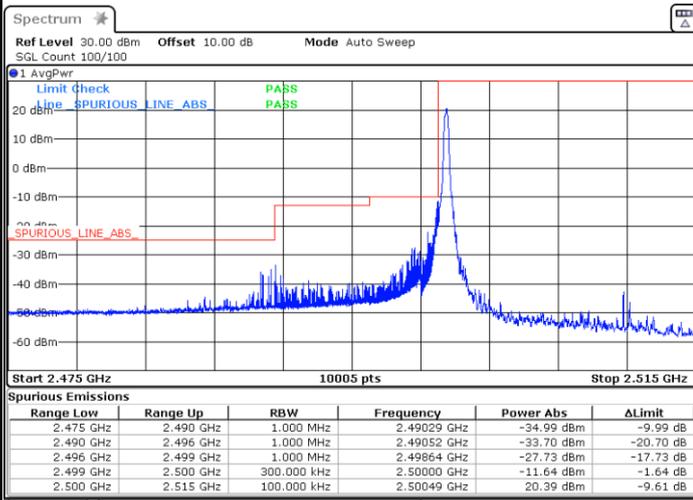
Date: 16 JAN 2021 14:19:02



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

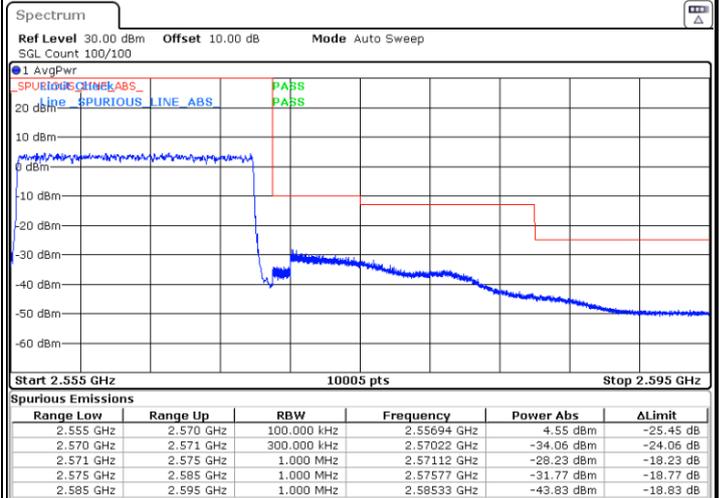
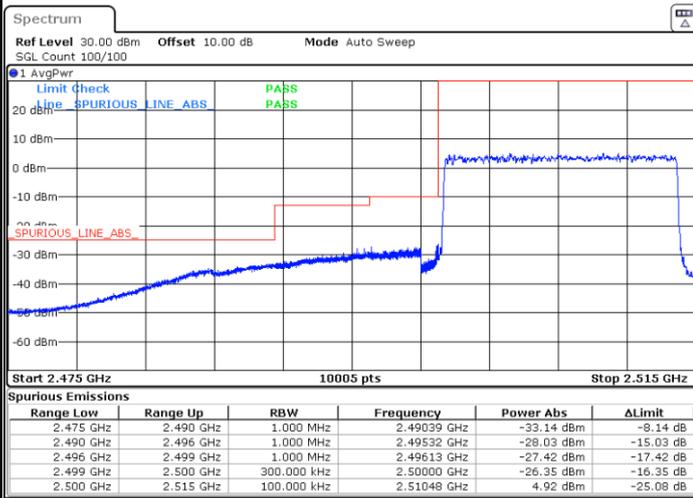


Date: 16 JAN 2021 14:04:59

Date: 16 JAN 2021 14:14:23

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16 JAN 2021 14:00:51

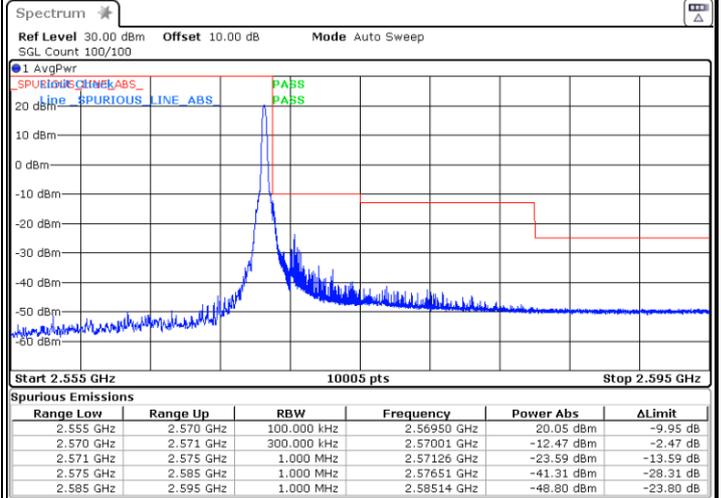
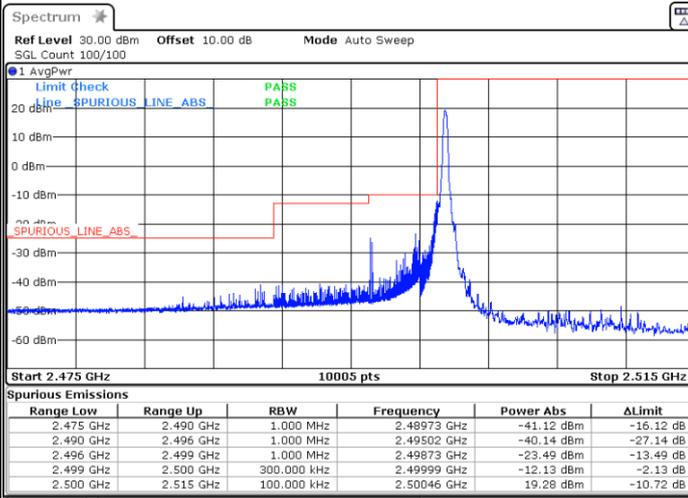
Date: 16 JAN 2021 14:18:24



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

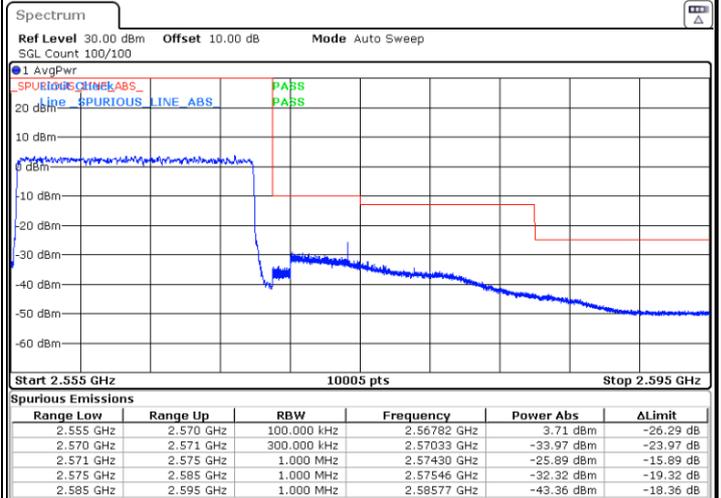
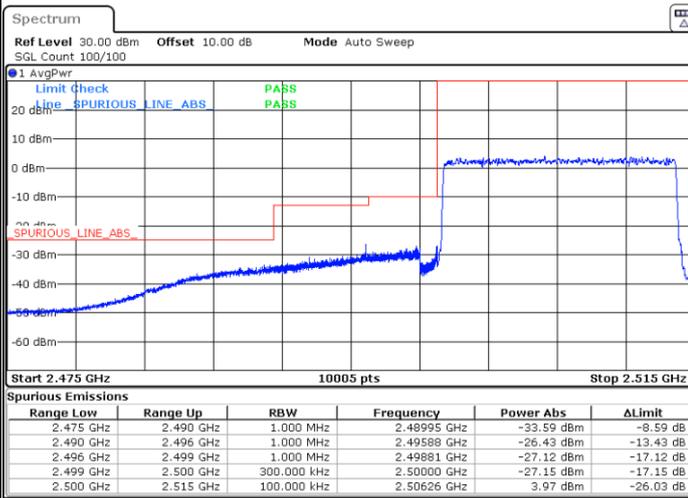


Date: 16 JAN 2021 14:04:30

Date: 16 JAN 2021 14:15:04

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16 JAN 2021 14:01:10

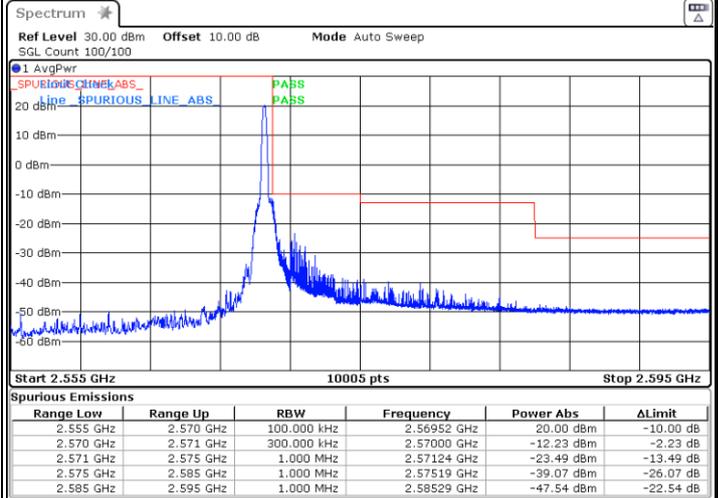
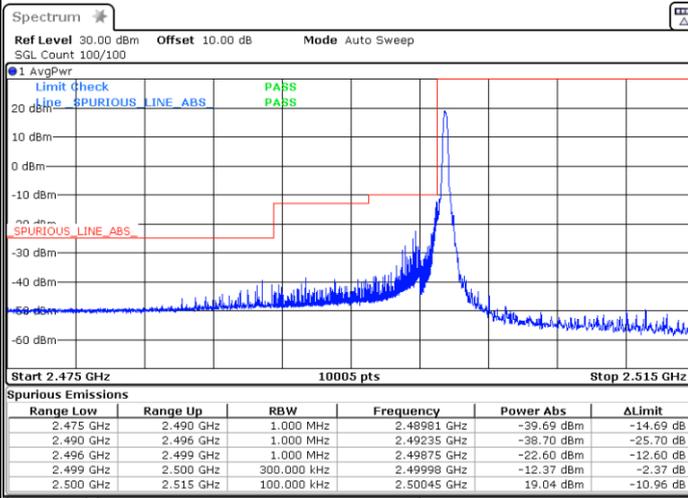
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FR1 n7 / 15MHz / DFT-s-OFDM / 64QAM

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

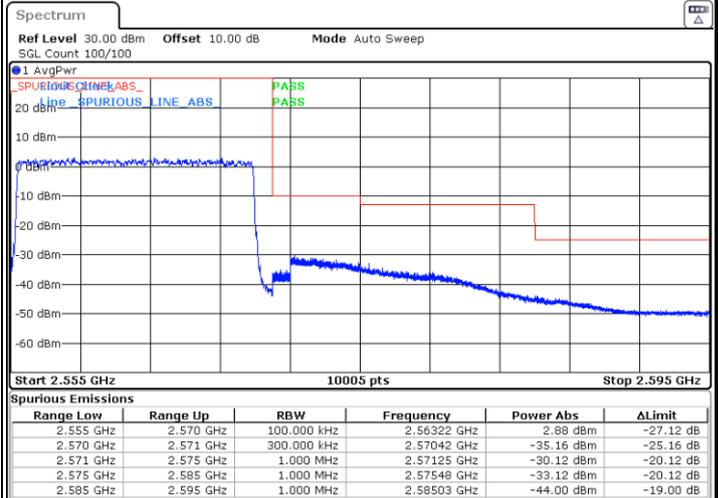
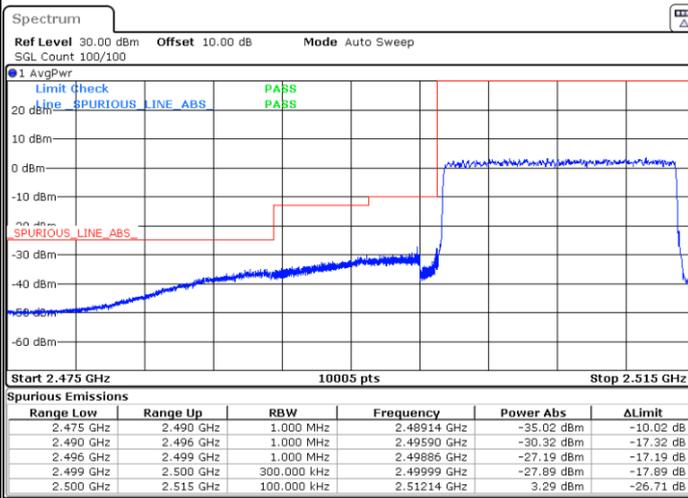


Date: 16 JAN 2021 14:04:04

Date: 16 JAN 2021 14:16:11

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 16 JAN 2021 14:01:29

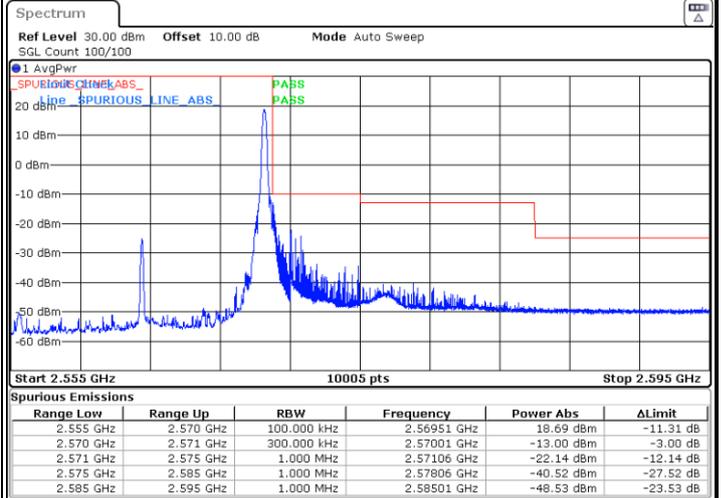
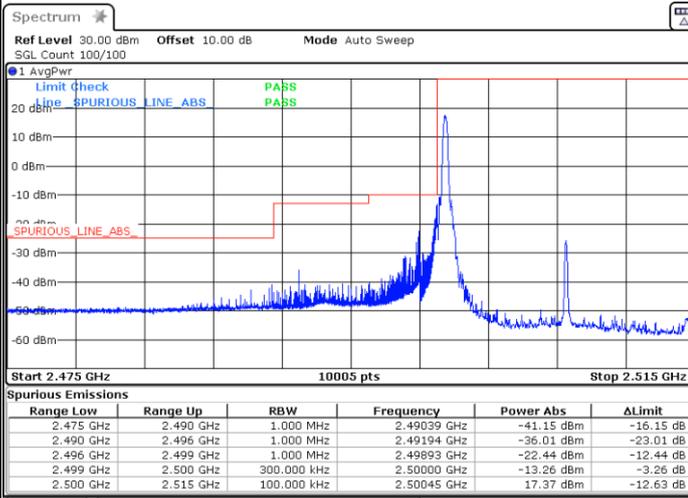
Date: 16 JAN 2021 14:17:49



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

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

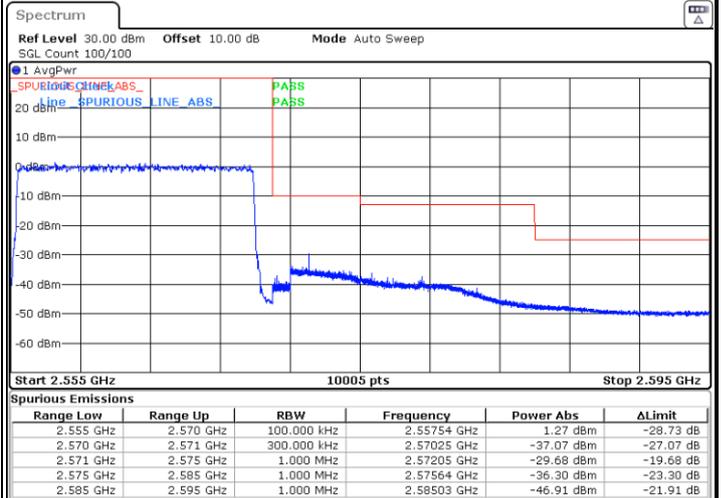
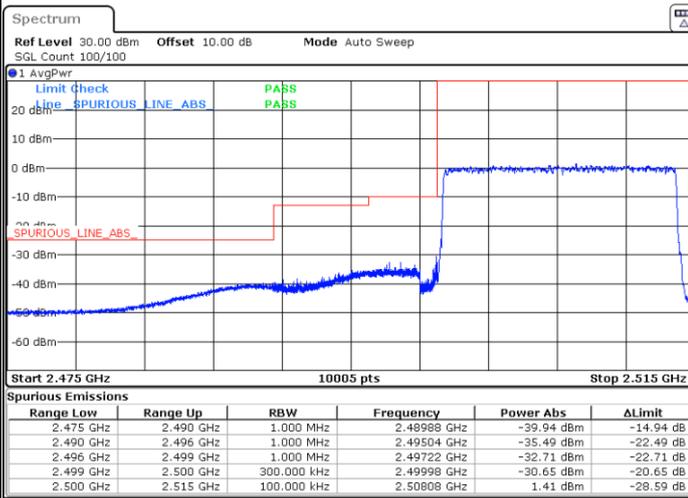


Date: 16 JAN 2021 14:03:33

Date: 16 JAN 2021 14:16:53

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



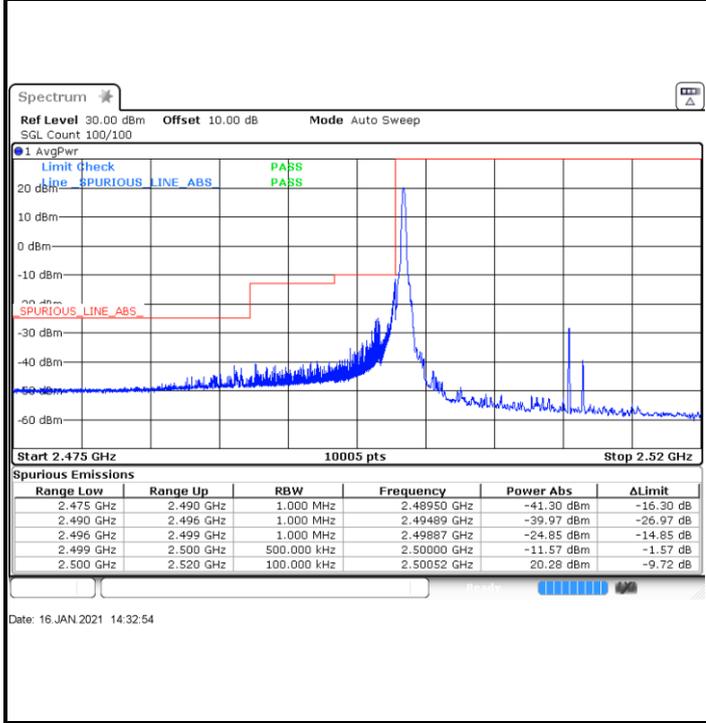
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Date: 16 JAN 2021 14:17:31

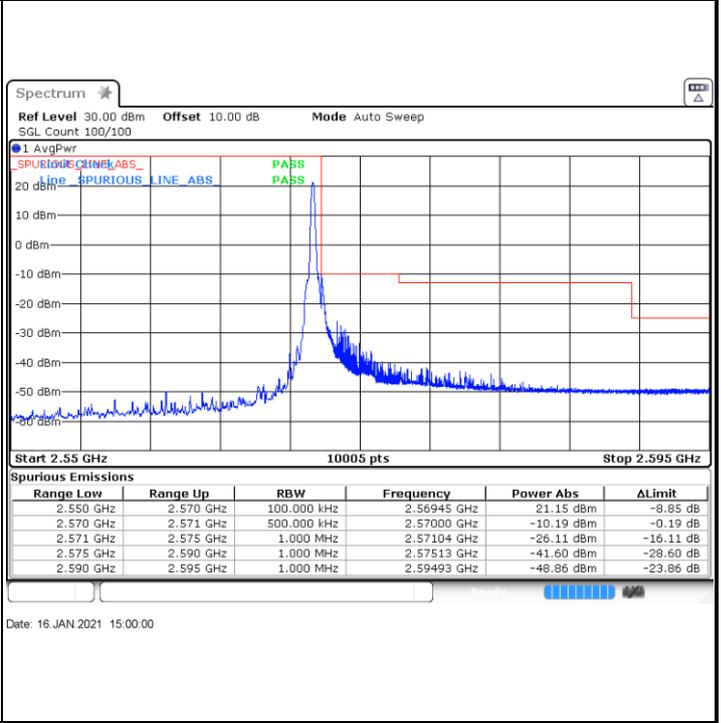


FR1 n7 / 20MHz / DFT-s-OFDM / PI/2 BPSK

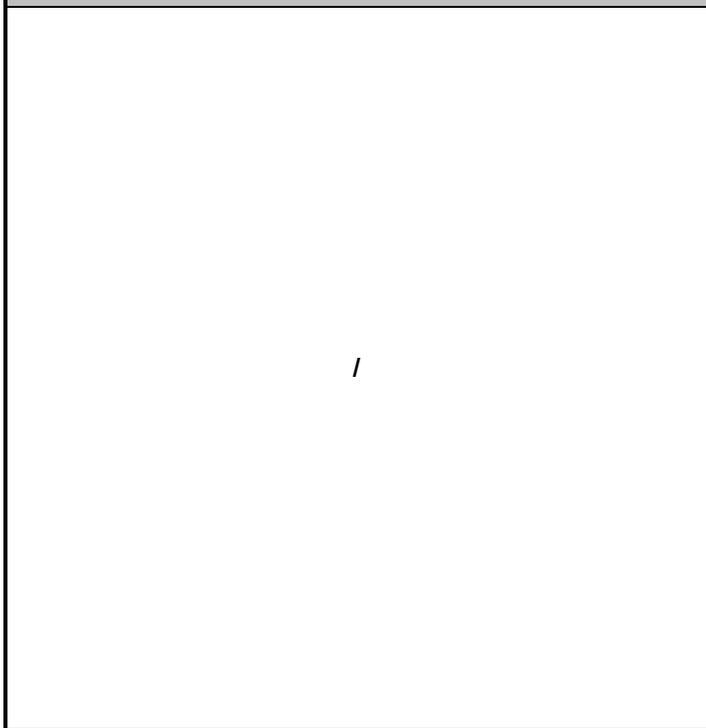
Lowest Band Edge / 1RB0



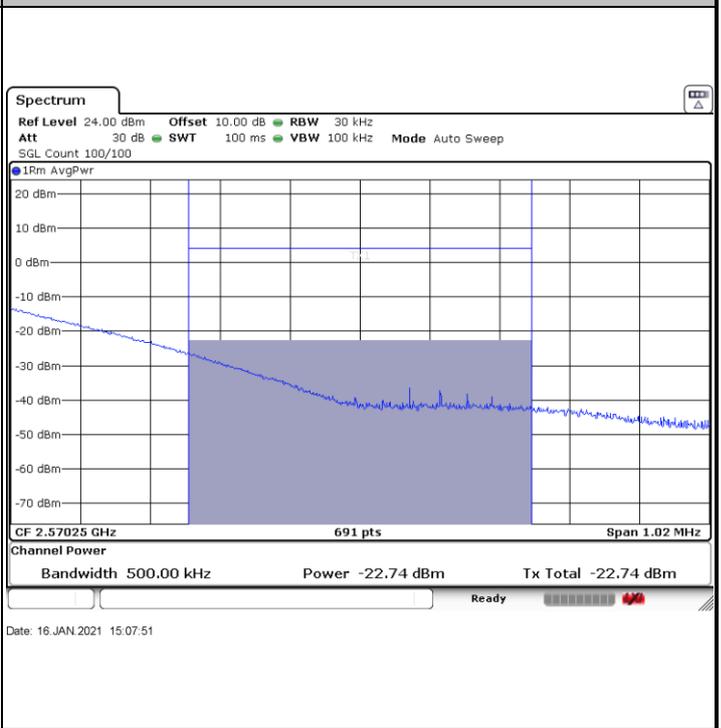
Highest Band Edge / 1RBMAX

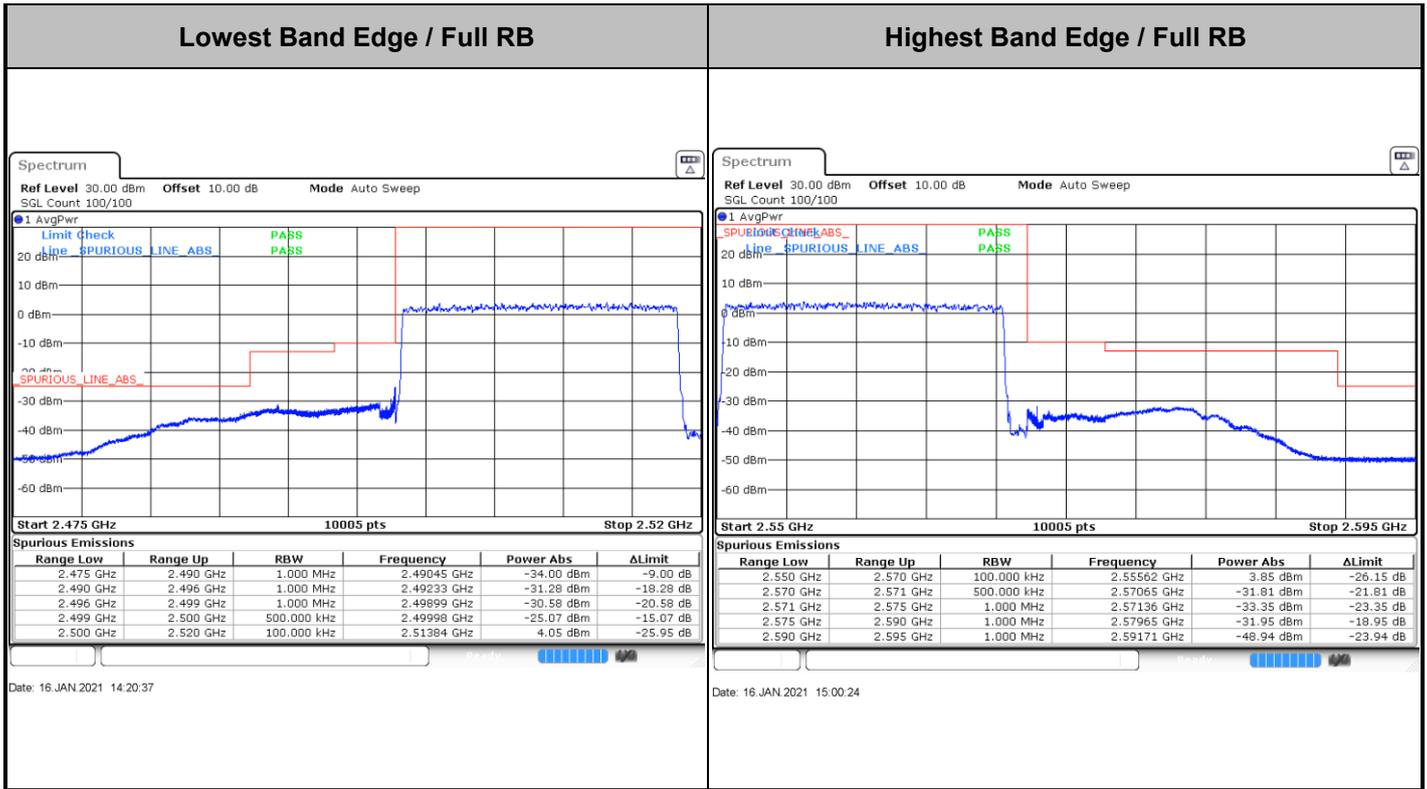


Channel Power < -10dBm Pass



Channel Power < -10dBm Pass



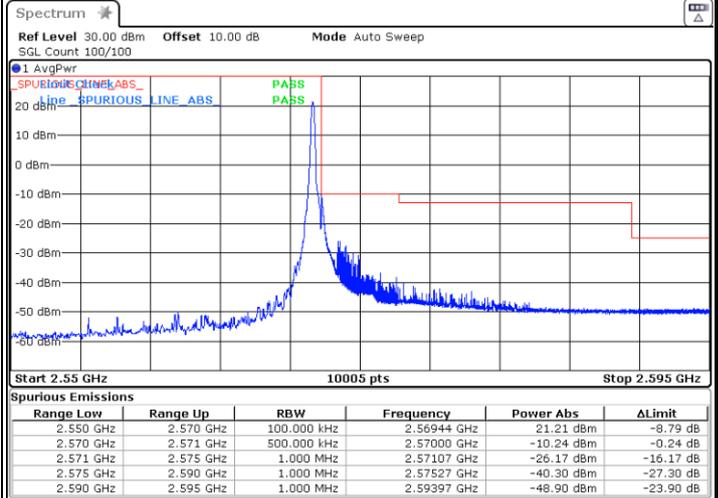
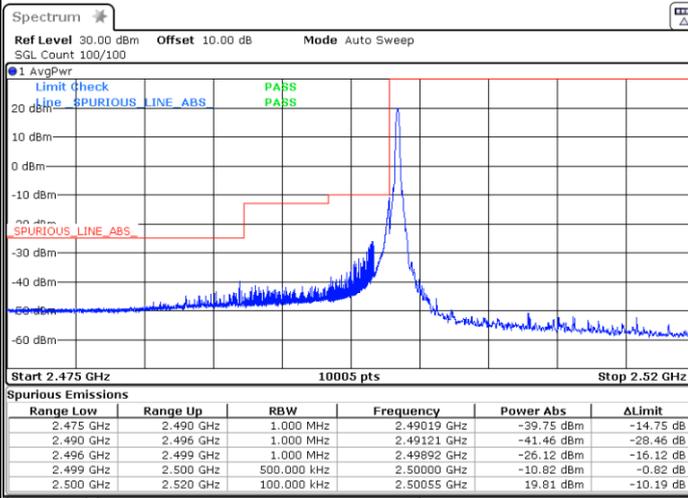




FR1 n7 / 20MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBMAX

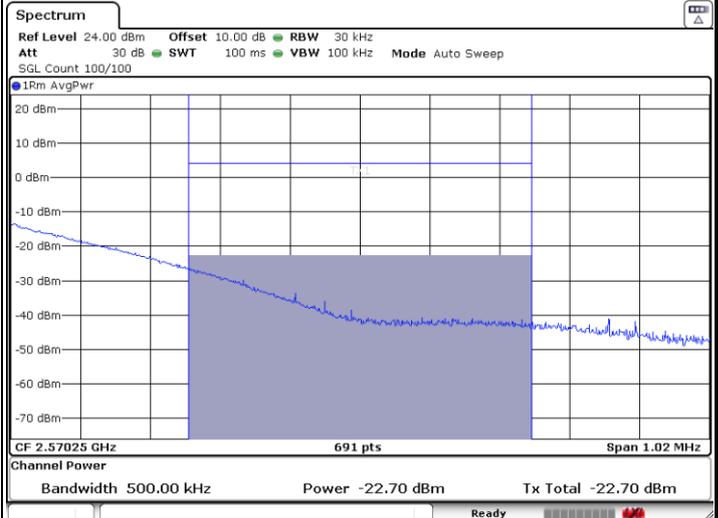
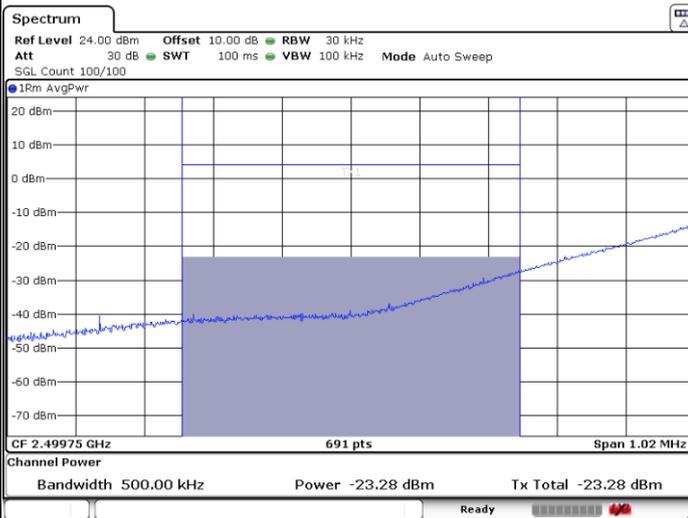


Date: 16 JAN 2021 14:31:48

Date: 16 JAN 2021 14:57:57

Channel Power < -10dBm Pass

Channel Power < -10dBm Pass



Date: 16 JAN 2021 15:09:45

Date: 16 JAN 2021 15:07:17

