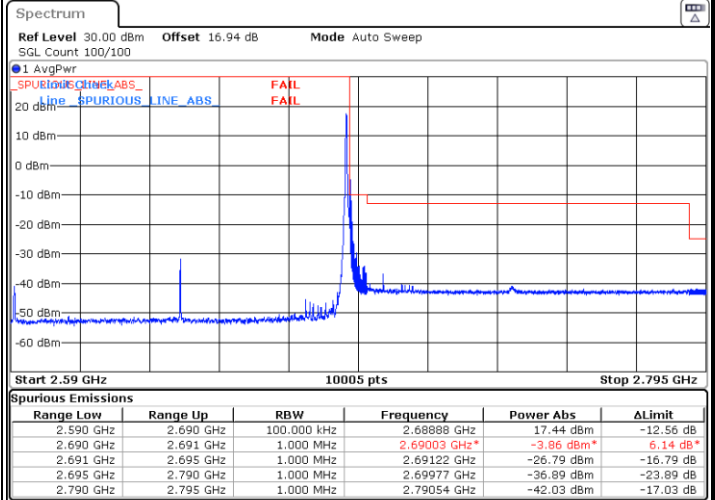
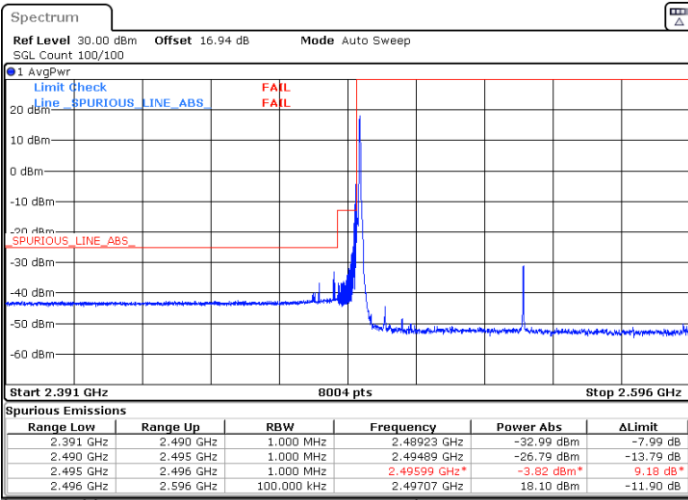




FR1 n41 / 100MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax

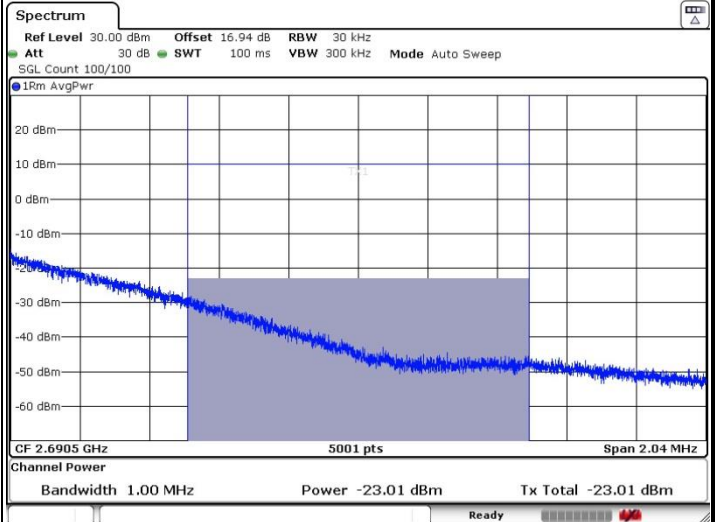
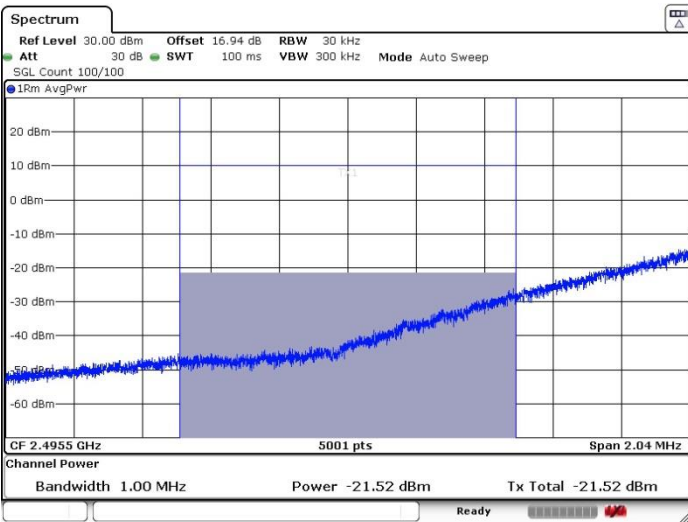


Date: 23 DEC 2020 14:05:27

Date: 23 DEC 2020 14:11:01

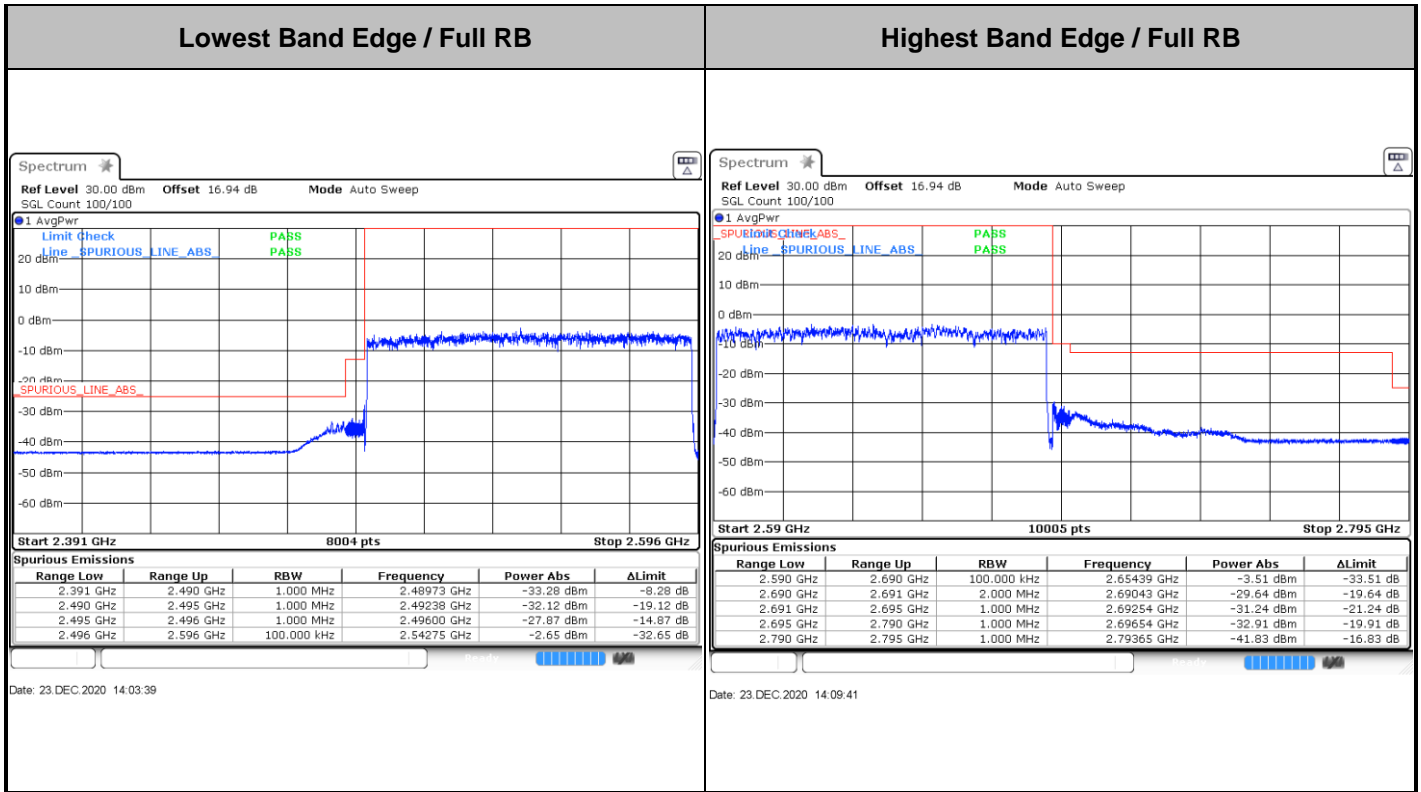
Channel Power < -13dBm Pass

Channel Power < -10dBm Pass



Date: 23 DEC 2020 14:07:22

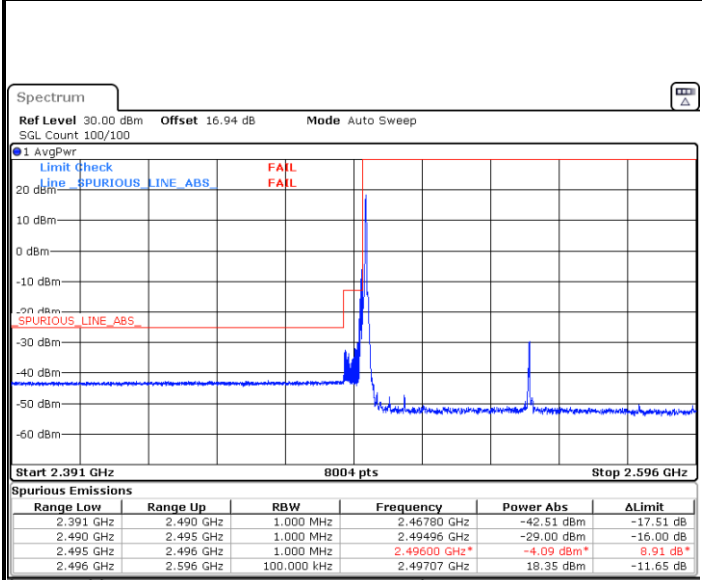
Date: 23 DEC 2020 14:12:32





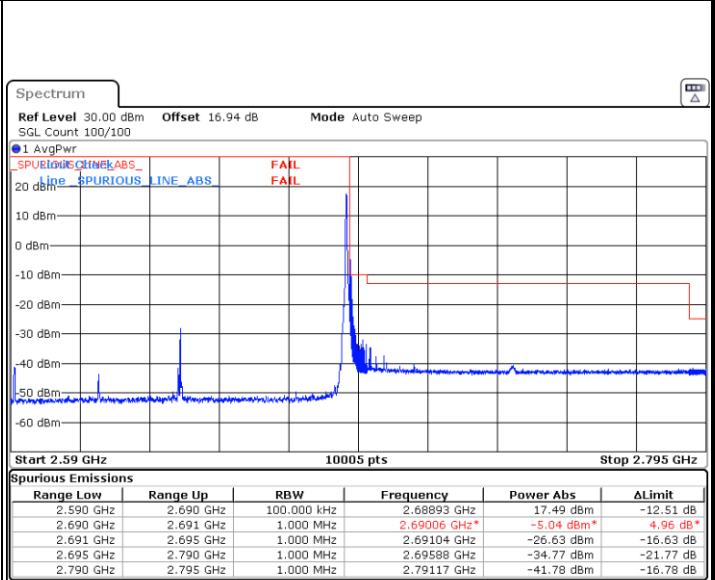
FR1 n41 / 100MHz / DFT-S OFDM / 16QAM

Lowest Band Edge / 1RB0



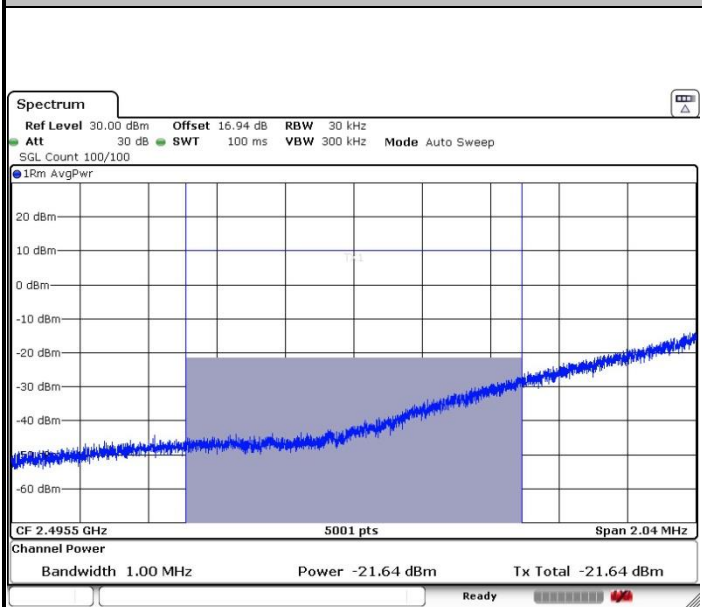
Date: 23 DEC 2020 14:05:37

Highest Band Edge / 1RBmax



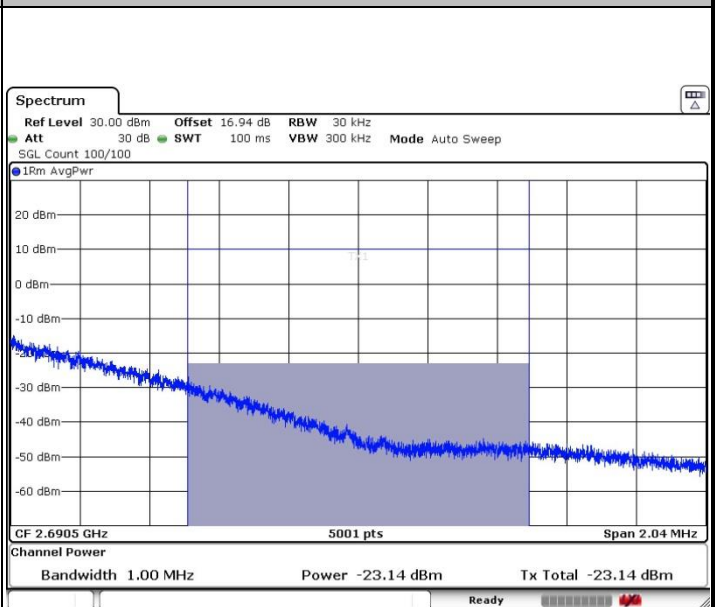
Date: 23 DEC 2020 14:11:12

Channel Power < -13dBm Pass

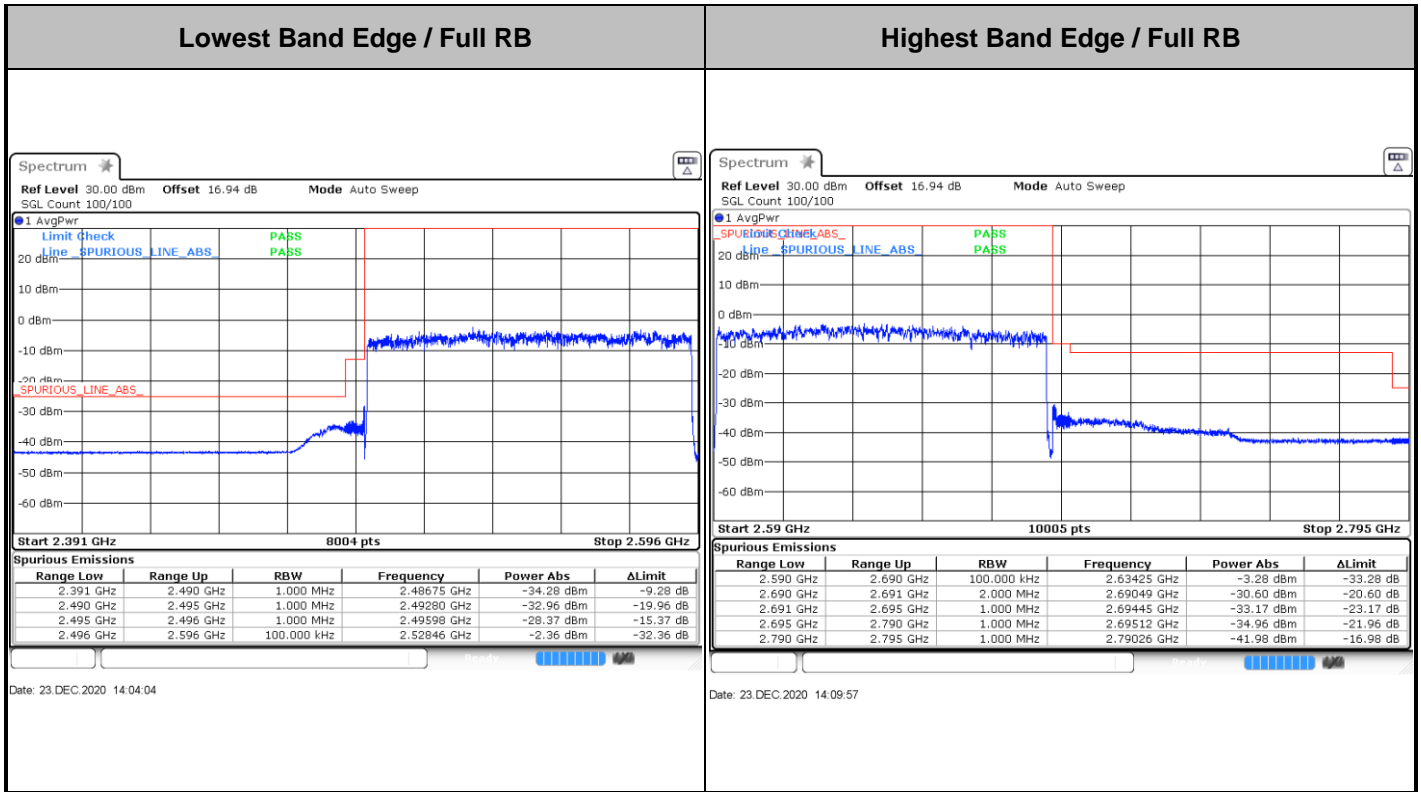


Date: 23 DEC 2020 14:07:42

Channel Power < -10dBm Pass



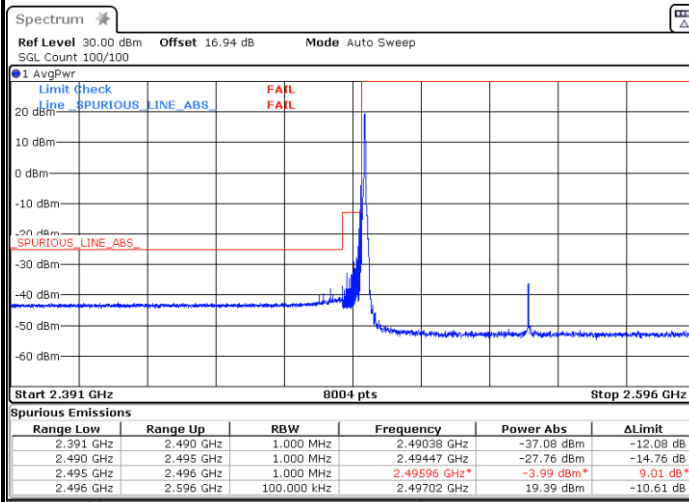
Date: 23 DEC 2020 14:12:53





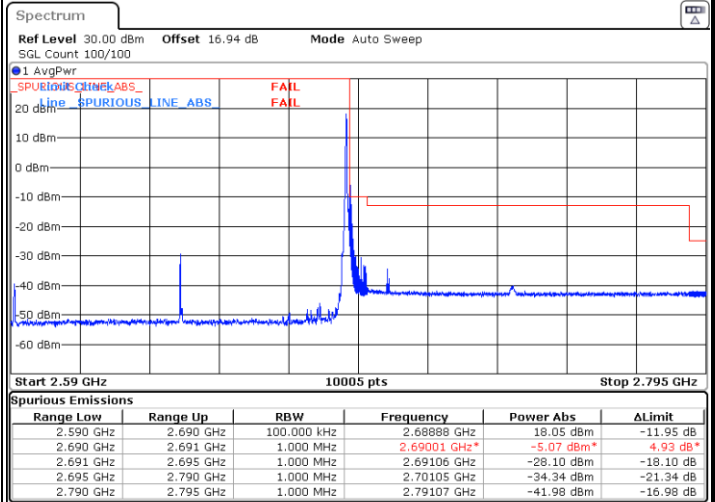
FR1 n41 / 100MHz / DFT-S OFDM / 64QAM

Lowest Band Edge / 1RB0



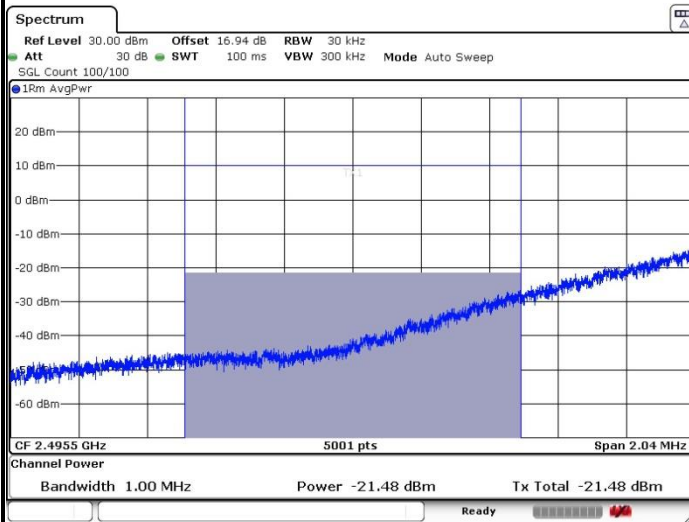
Date: 23 DEC 2020 14:06:00

Highest Band Edge / 1RB24



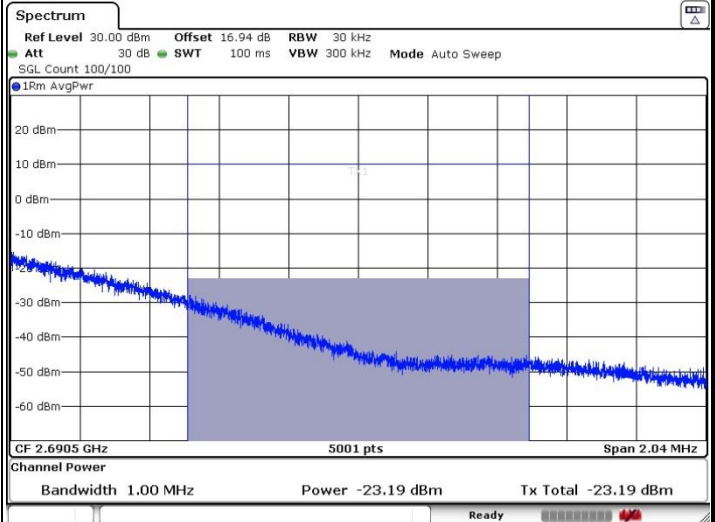
Date: 23 DEC 2020 14:11:22

Channel Power < -13dBm Pass

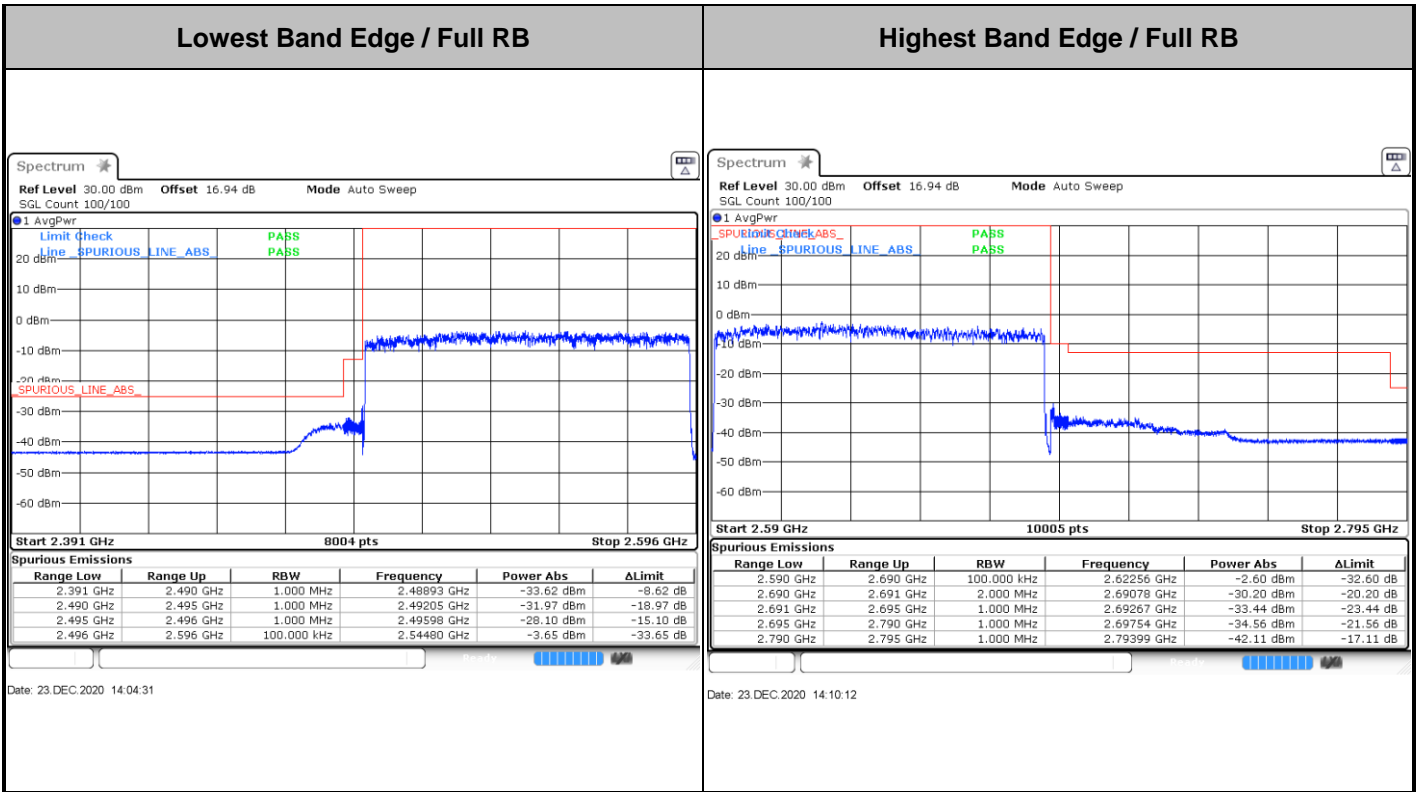


Date: 23 DEC 2020 14:08:04

Channel Power < -10dBm Pass



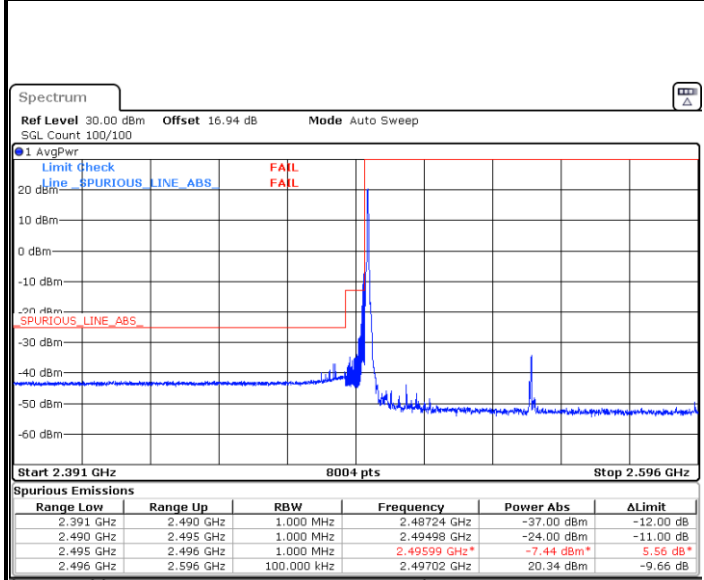
Date: 23 DEC 2020 14:13:15





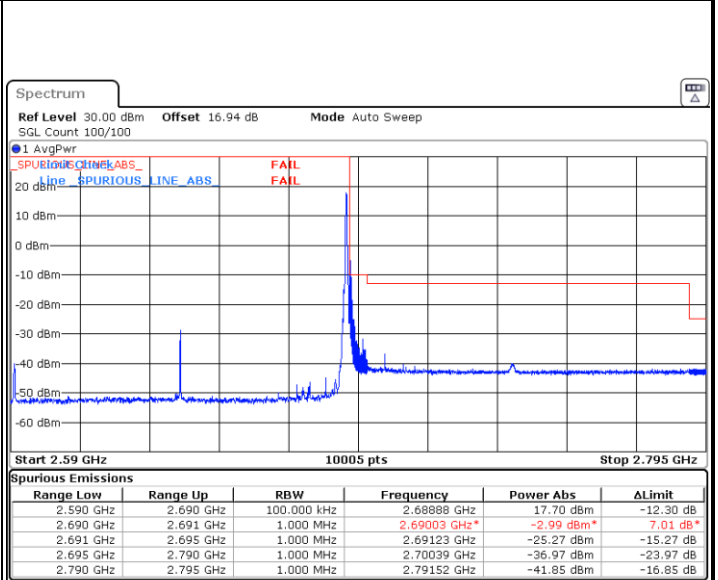
FR1 n41 / 100MHz / DFT-S OFDM / 256QAM

Lowest Band Edge / 1RB0



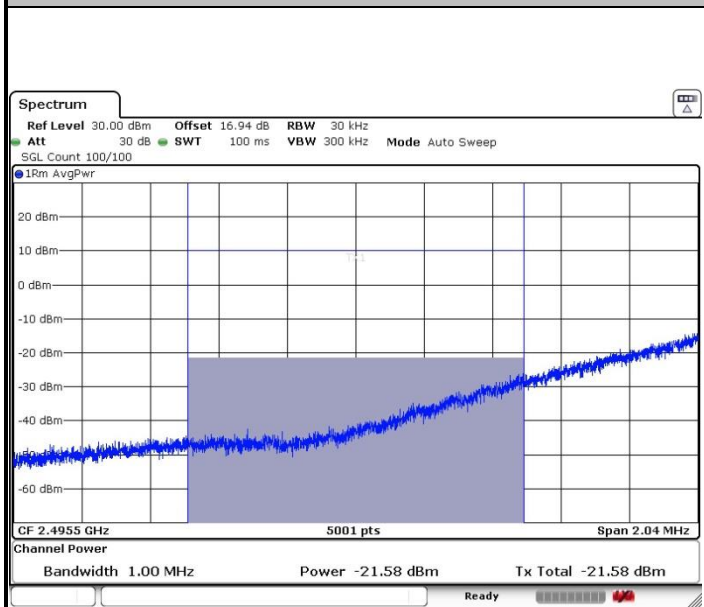
Date: 23 DEC 2020 14:06:10

Highest Band Edge / 1RB24



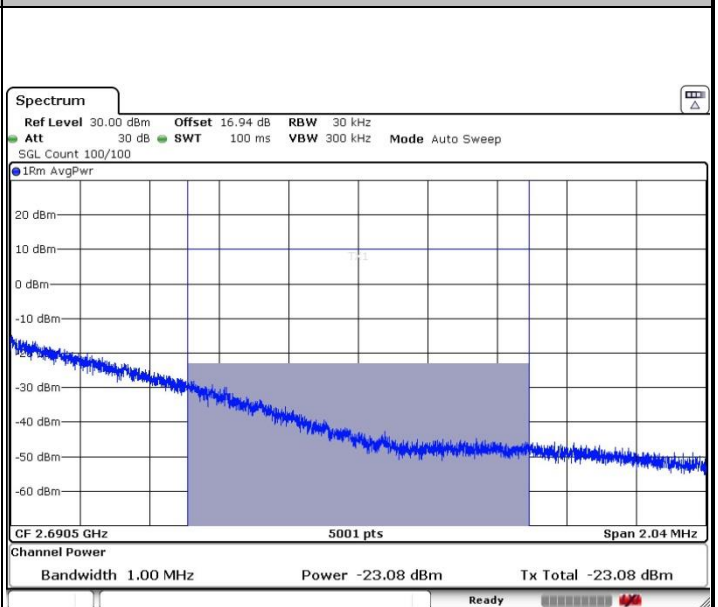
Date: 23 DEC 2020 14:11:32

Channel Power < -13dBm Pass

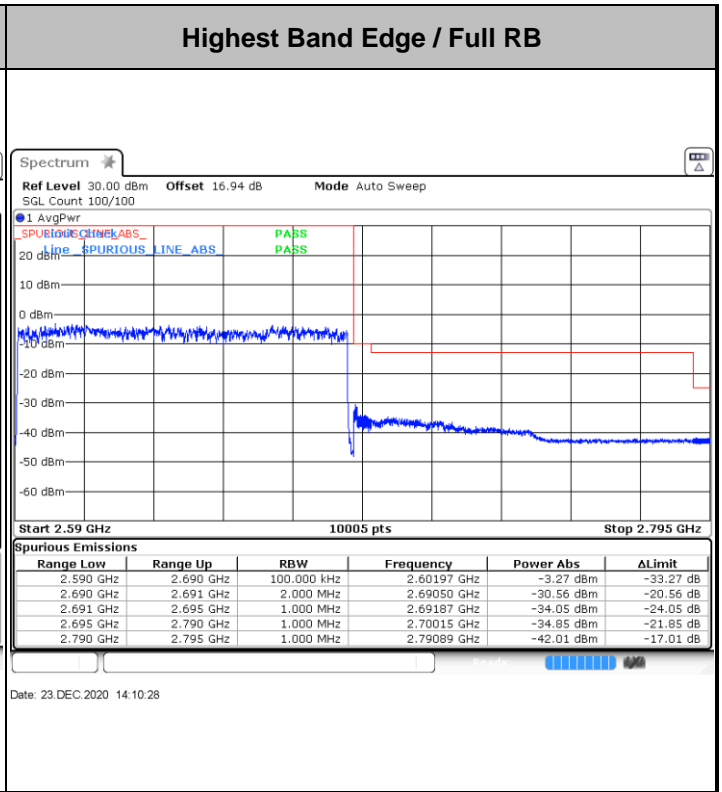
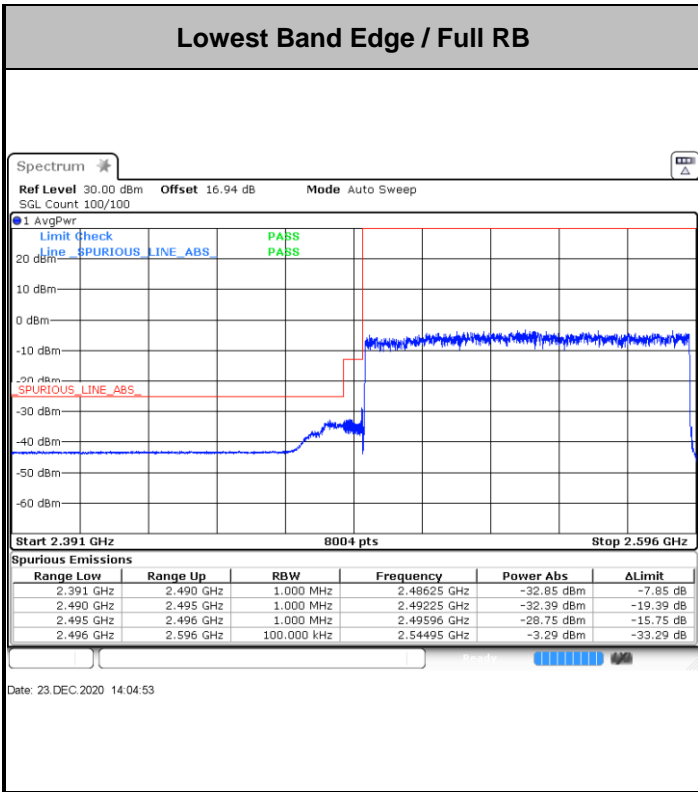


Date: 23 DEC 2020 14:08:21

Channel Power < -10dBm Pass

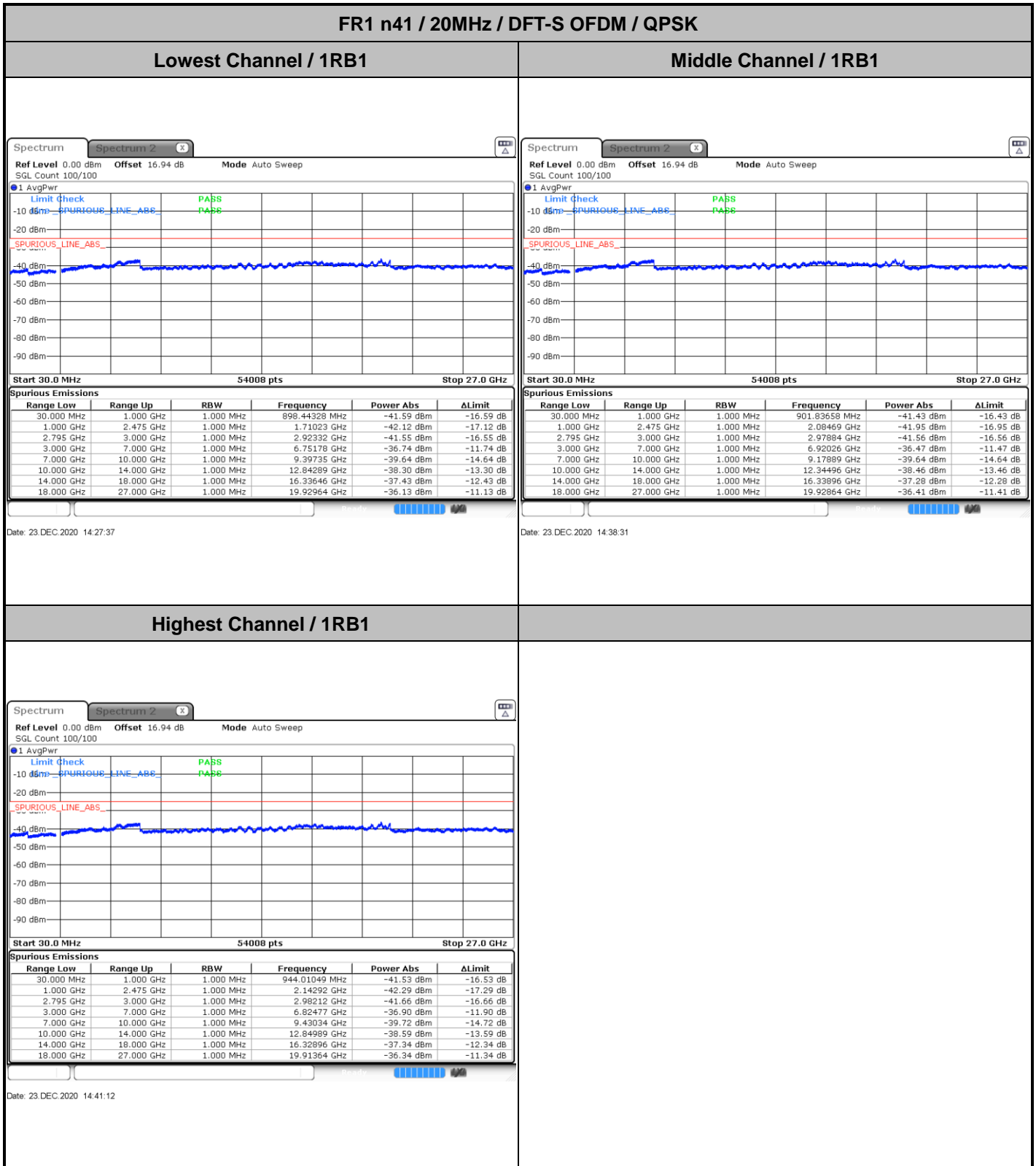


Date: 23 DEC 2020 14:13:32





Conducted Spurious Emission

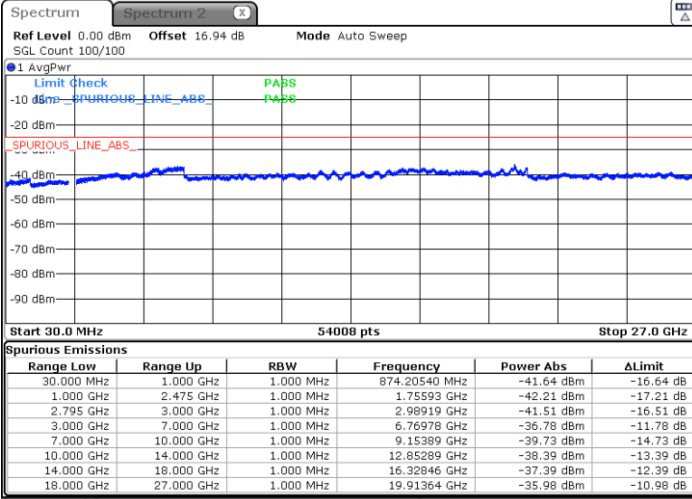




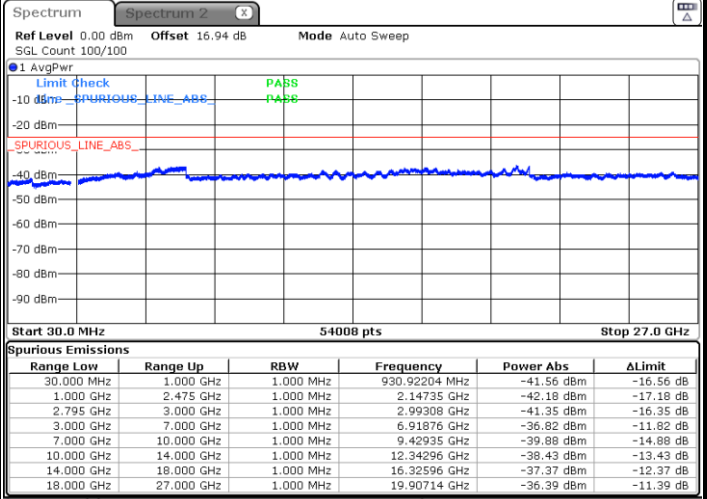
FR1 n41 / 30MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

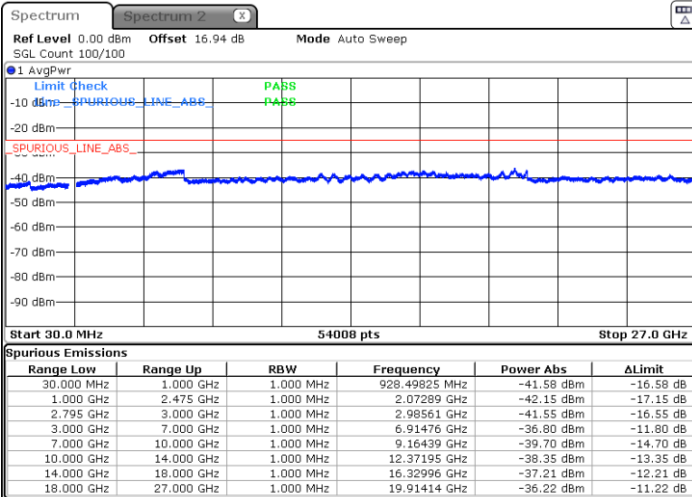


Date: 23 DEC 2020 14:50:40



Date: 23 DEC 2020 14:51:41

Highest Channel / 1RB1



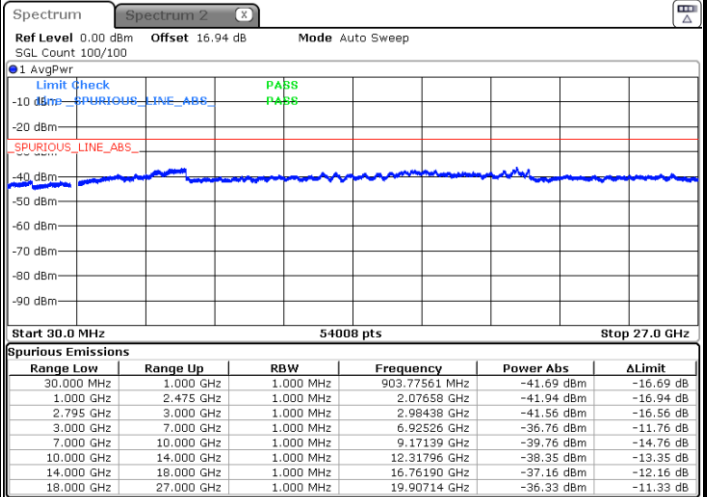
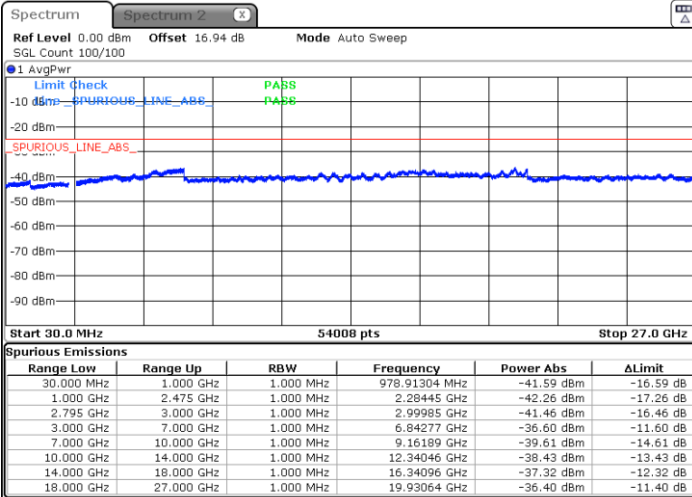
Date: 23 DEC 2020 14:57:39



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

Lowest Channel / 1RB1

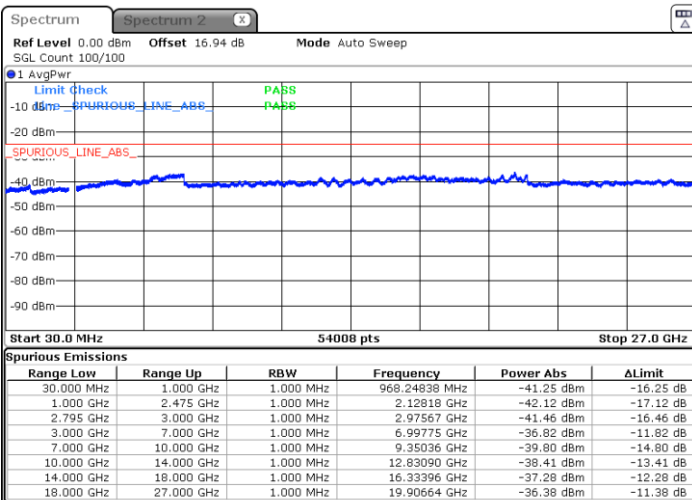
Middle Channel / 1RB1



Date: 23.DEC.2020 15:01:11

Date: 23.DEC.2020 15:02:21

Highest Channel / 1RB1



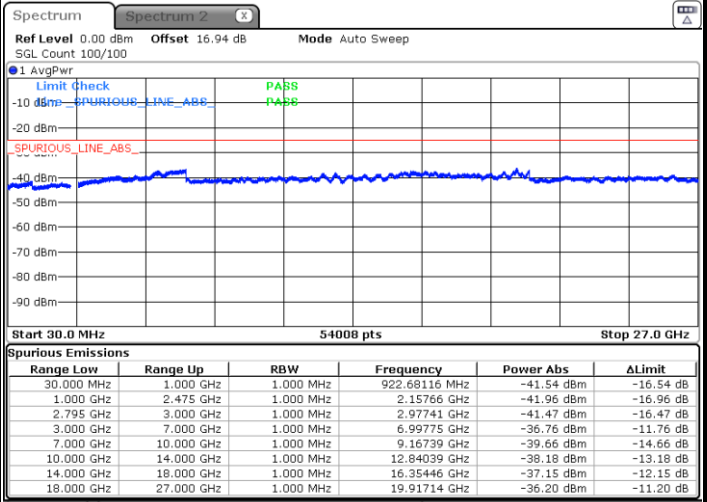
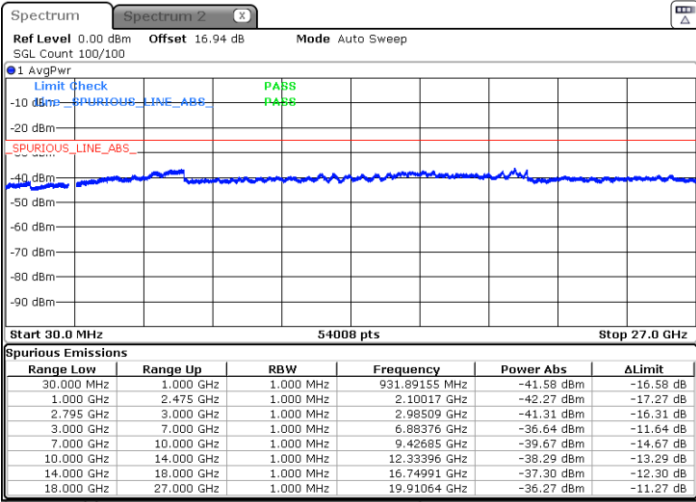
Date: 23.DEC.2020 15:07:44



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

Lowest Channel / 1RB1

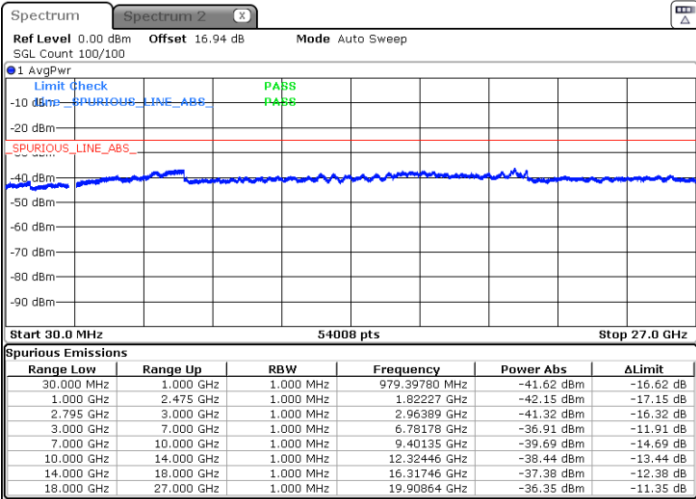
Middle Channel / 1RB1



Date: 23 DEC 2020 15:10:40

Date: 23 DEC 2020 15:14:20

Highest Channel / 1RB1



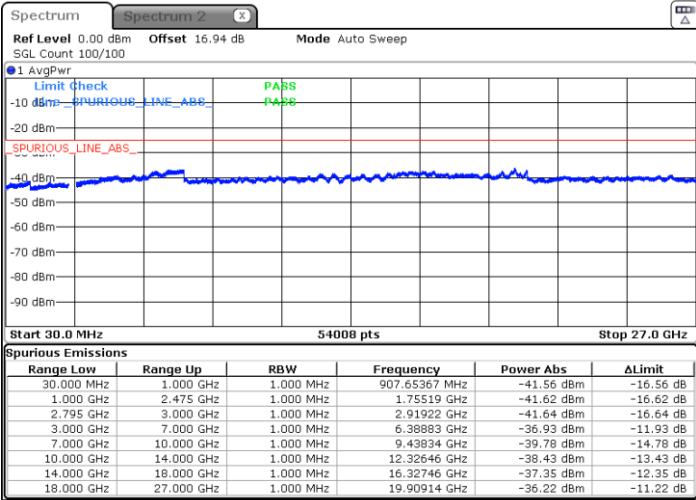
Date: 23 DEC 2020 15:15:33



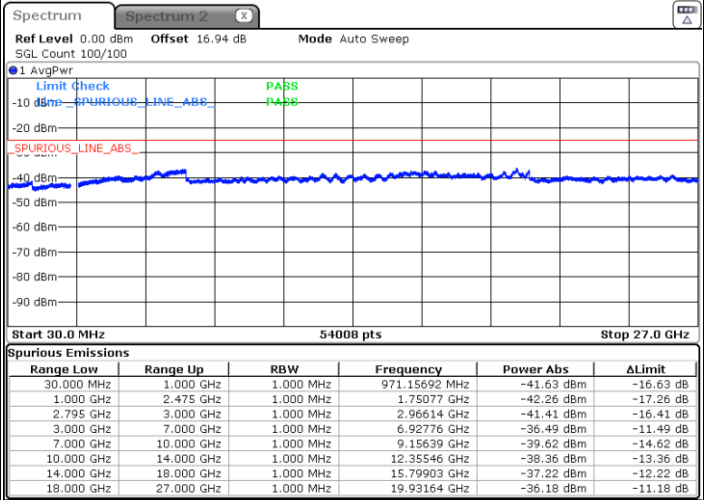
FR1 n41 / 60MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

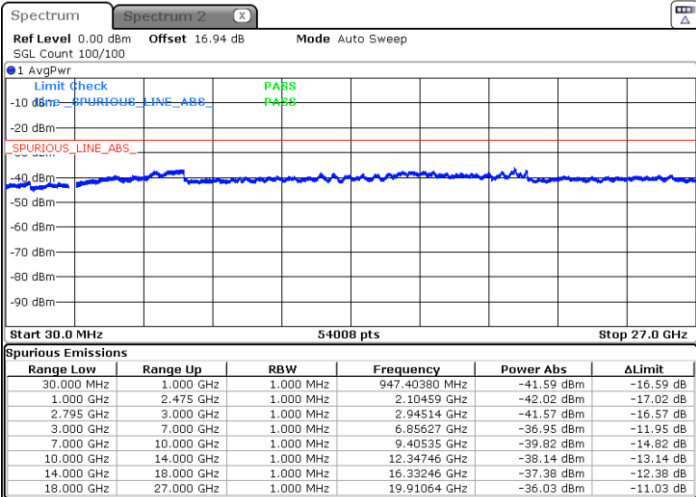


Date: 23 DEC 2020 15:23:07



Date: 23 DEC 2020 15:25:54

Highest Channel / 1RB1



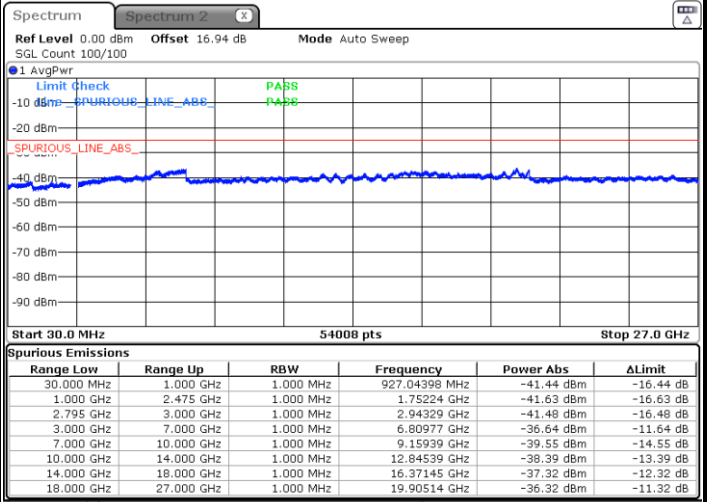
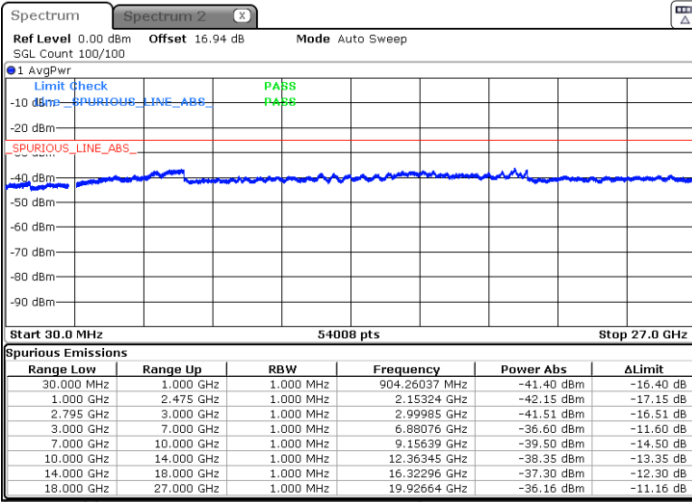
Date: 23 DEC 2020 15:28:51



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

Lowest Channel / 1RB1

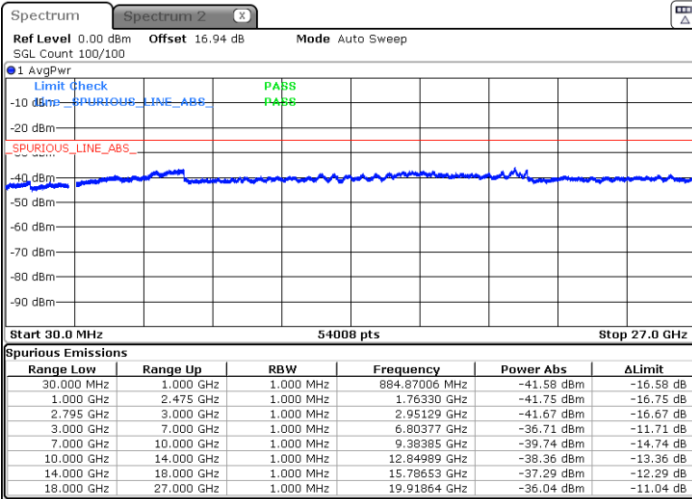
Middle Channel / 1RB1



Date: 23 DEC 2020 15:30:23

Date: 23 DEC 2020 15:31:27

Highest Channel / 1RB1



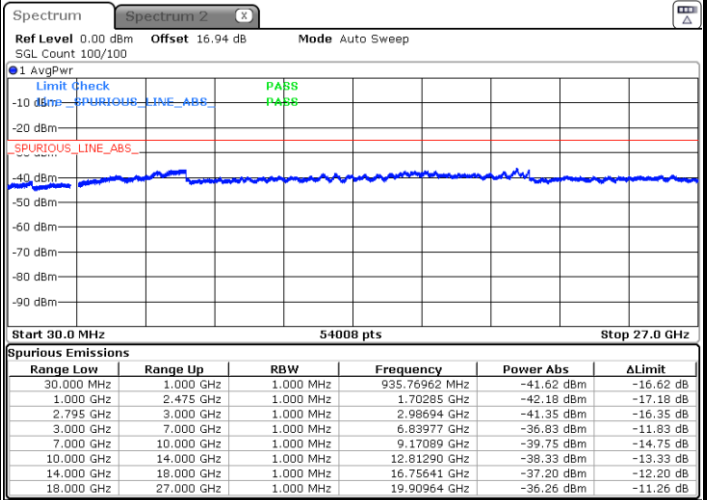
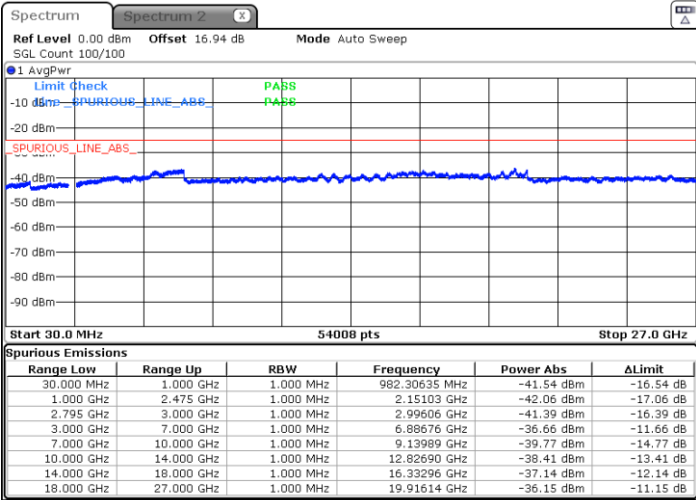
Date: 23 DEC 2020 15:32:26



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

Lowest Channel / 1RB1

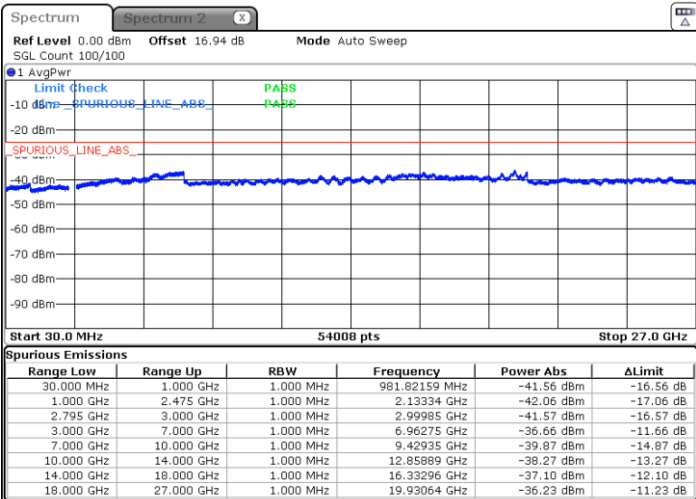
Middle Channel / 1RB1



Date: 23 DEC 2020 15:35:56

Date: 23 DEC 2020 15:37:51

Highest Channel / 1RB1



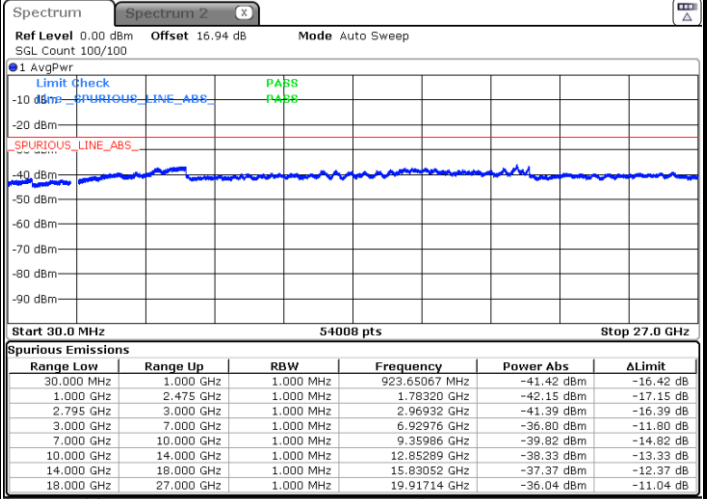
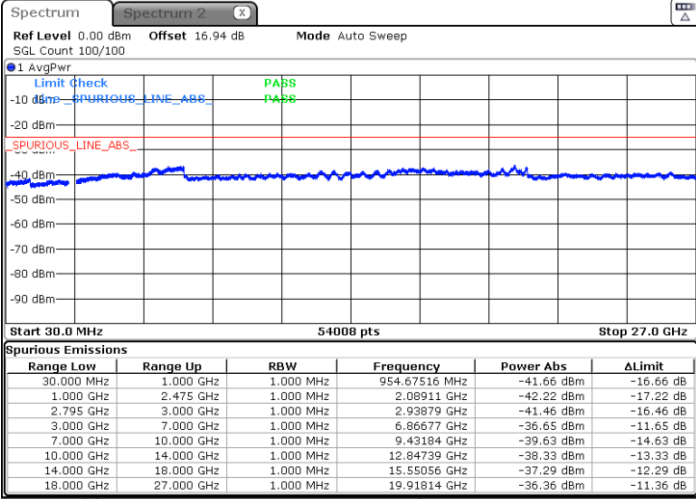
Date: 23 DEC 2020 15:40:08



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

Lowest Channel / 1RB1

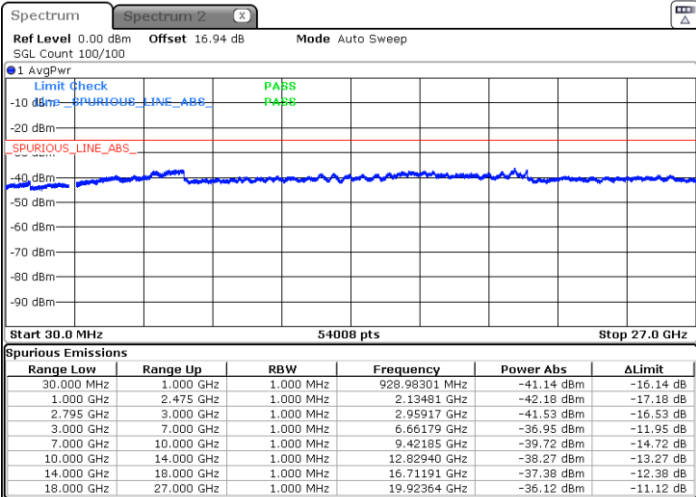
Middle Channel / 1RB1



Date: 23 DEC 2020 15:58:38

Date: 23 DEC 2020 15:59:22

Highest Channel / 1RB1



Date: 23 DEC 2020 16:00:26



Frequency Stability

Test Conditions		FR1 n41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 100MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0019	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0020	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0022	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0021	

Note:

1. Normal Voltage =7.74 V. ; Battery End Point (BEP) =7.3 V. ; Maximum Voltage =8.7 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

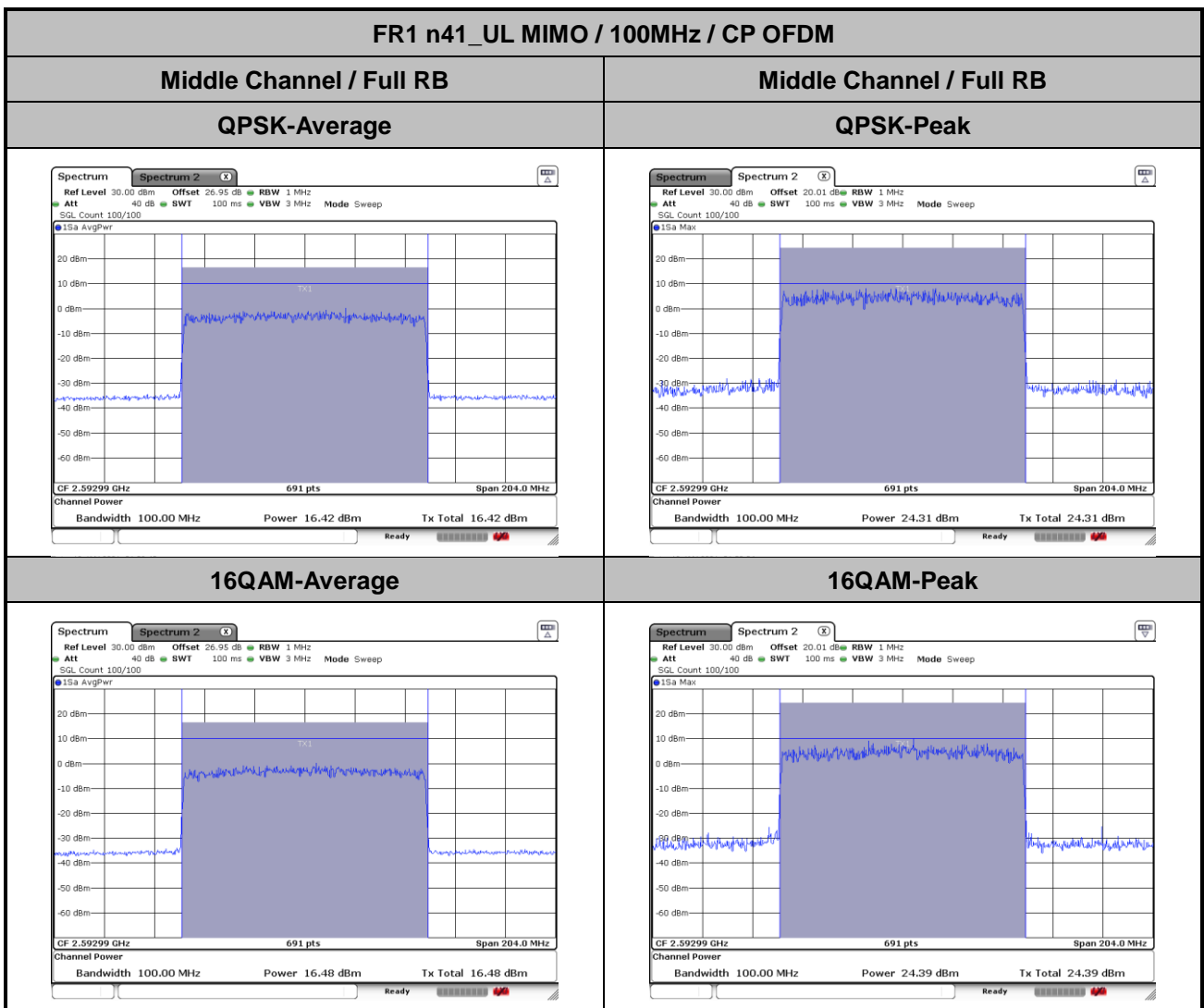


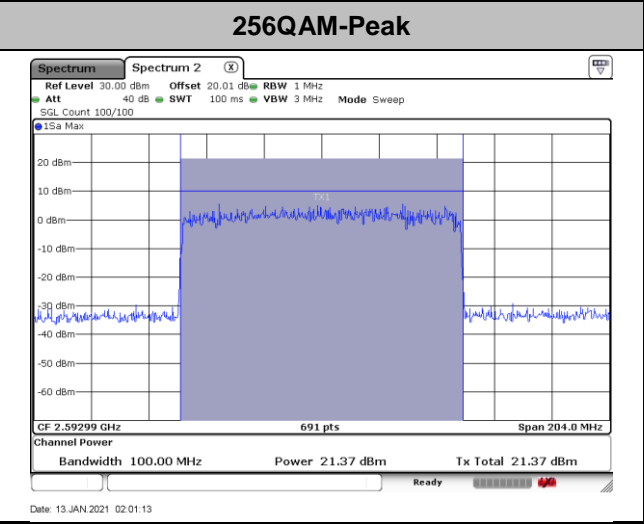
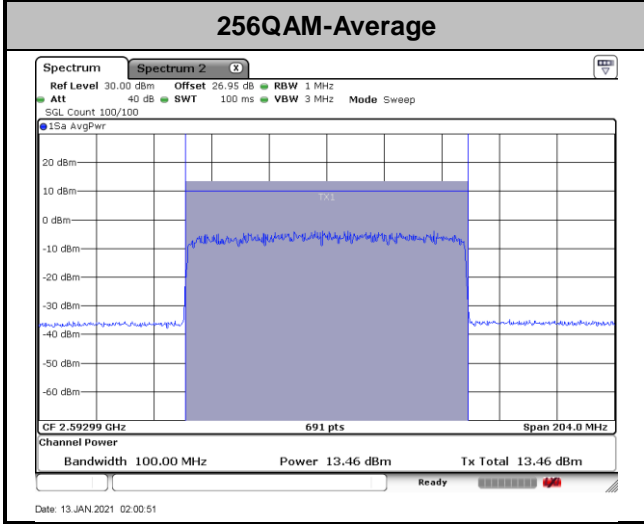
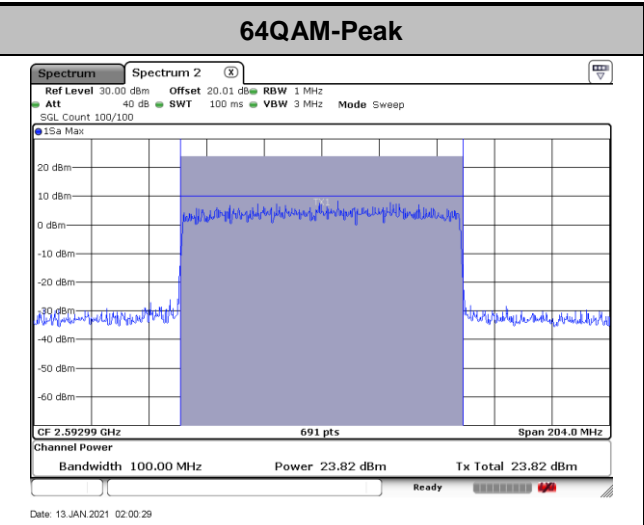
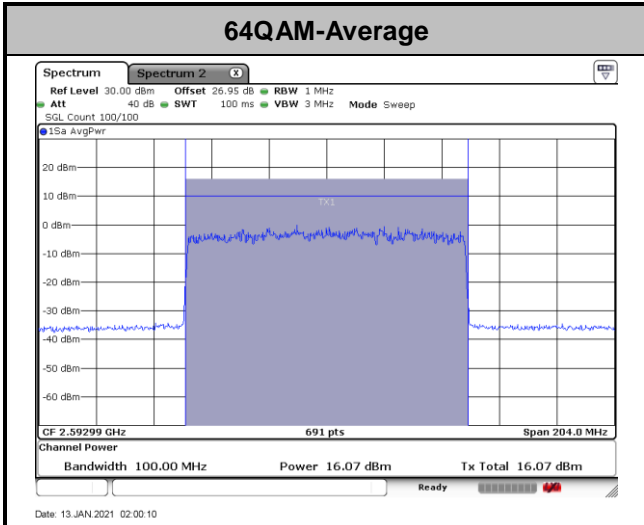
5G NR n41 UL MIMO

Peak-to-Average Ratio

Mode	FR1 n41_UL MIMO / 100MHz / CP OFDM				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	7.89	7.91	7.75	7.91	PASS

Note: PAR=Peak-Average

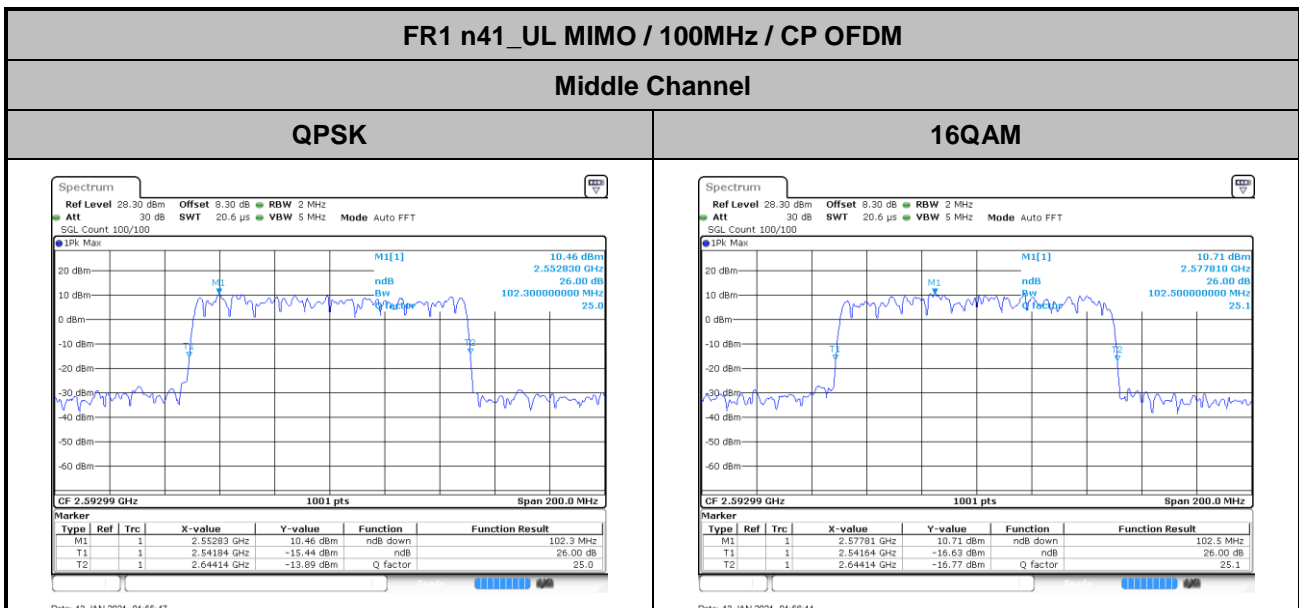






26dB Bandwidth

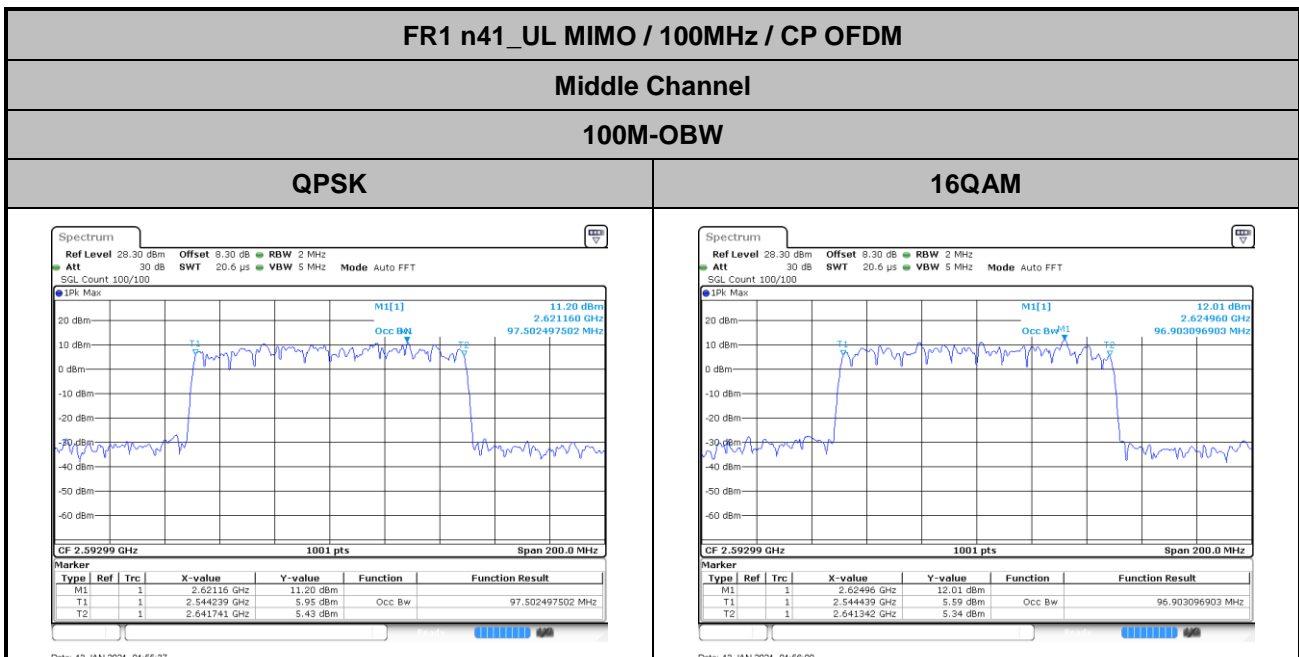
Mode	FR1 n41_UL MIMO : 26dB BW(MHz) / CP OFDM	
BW	100MHz	
Mod.	QPSK	16QAM
Middle CH	102.3	102.5





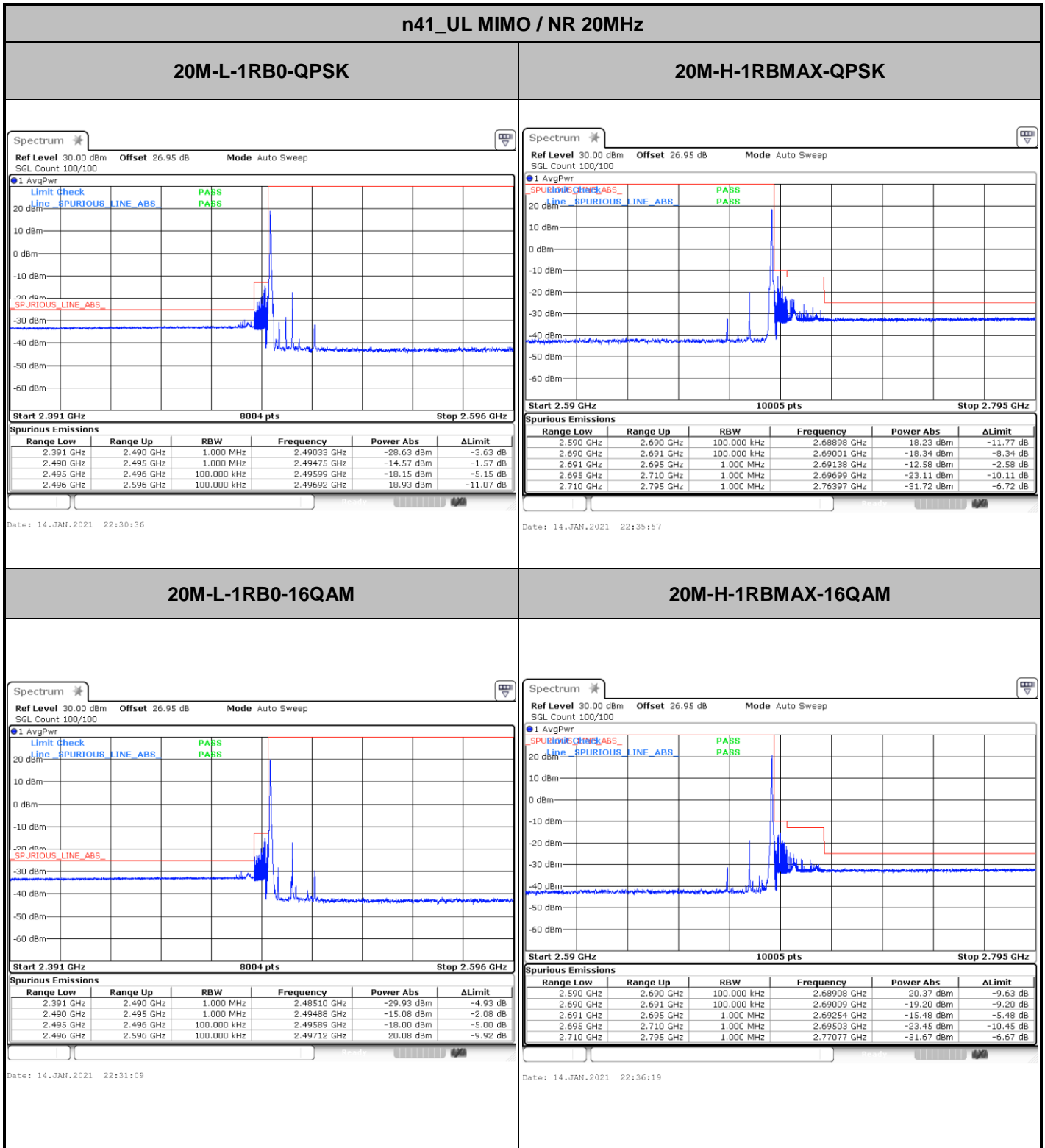
Occupied Bandwidth

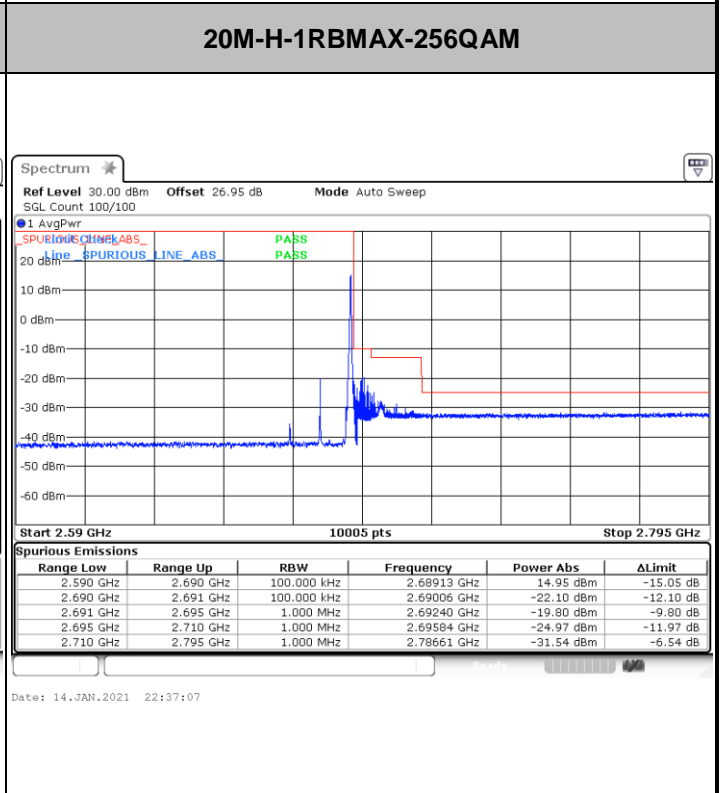
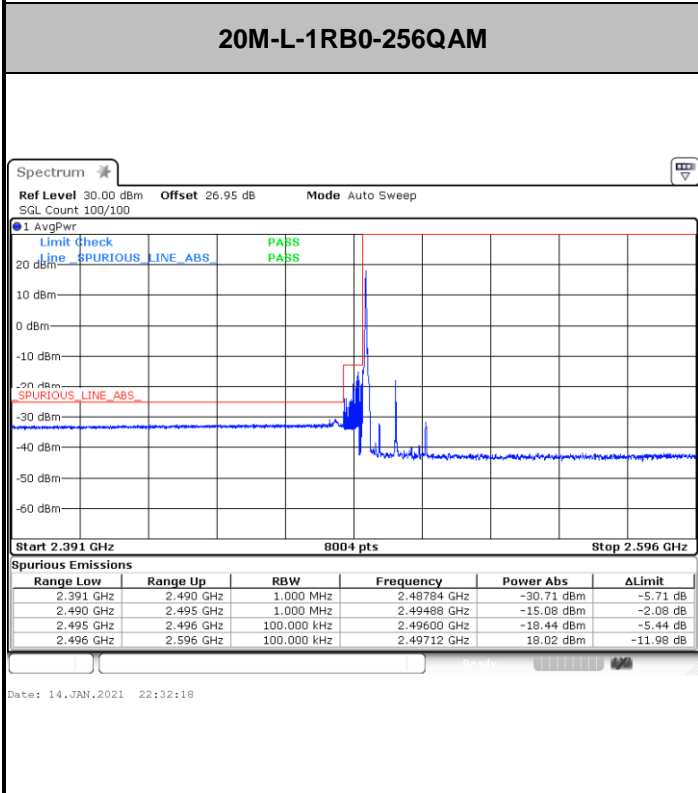
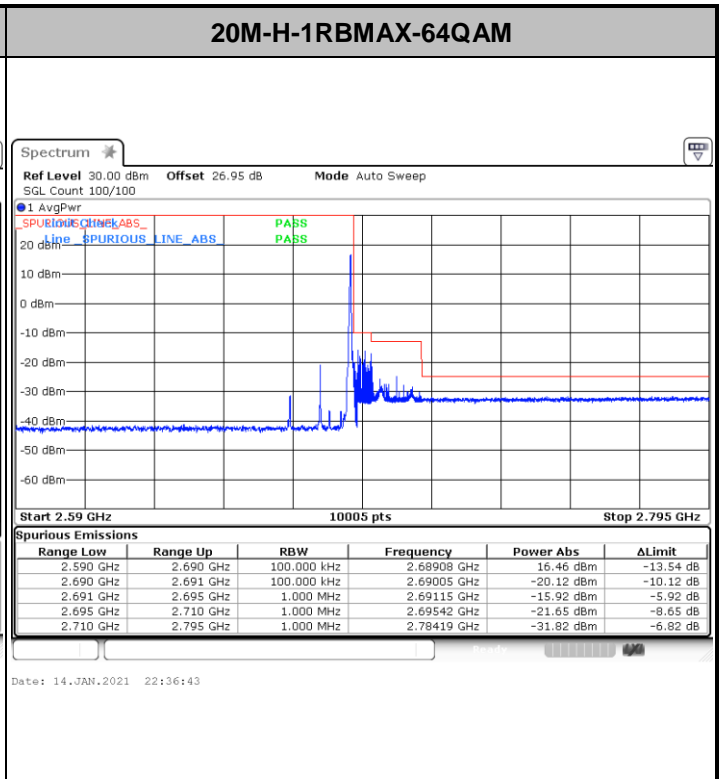
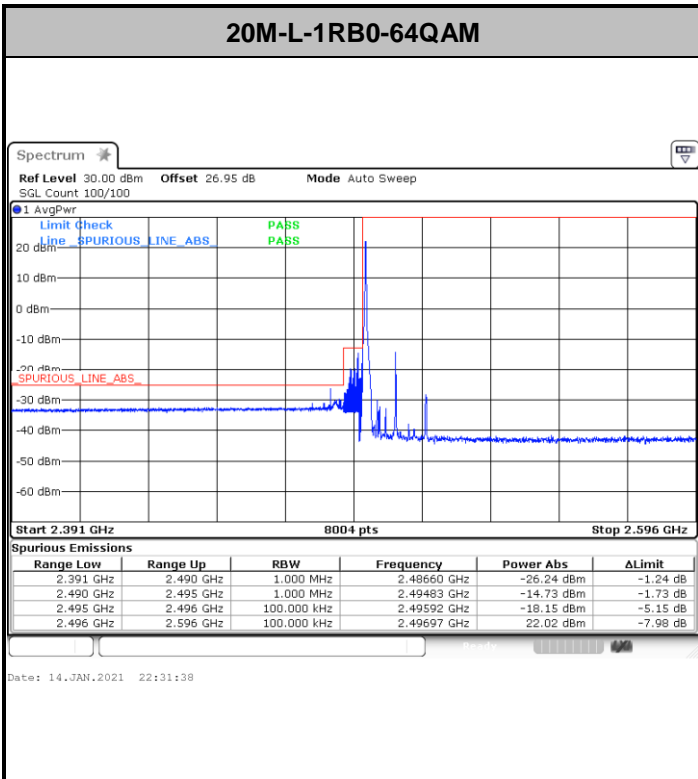
Mode	FR1 n41_UL MIMO : OB BW(MHz) / CP OFDM	
BW	100MHz	
Mod.	QPSK	16QAM
Middle CH	97.502	96.903

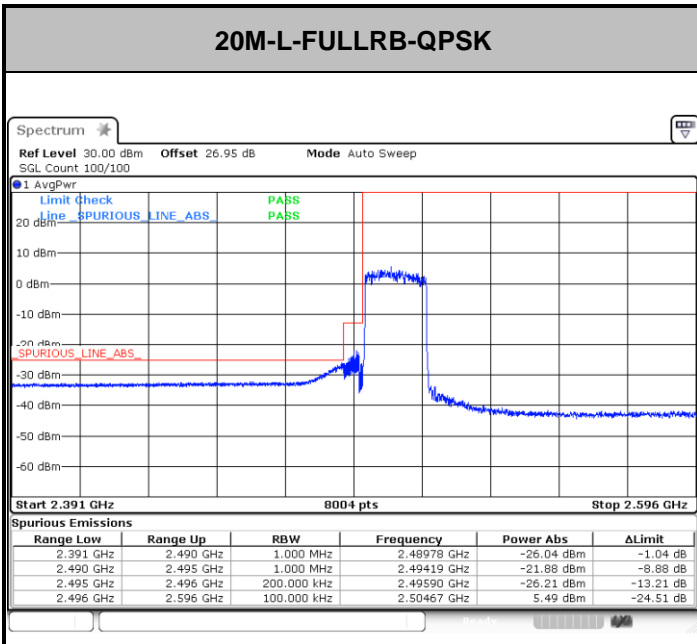




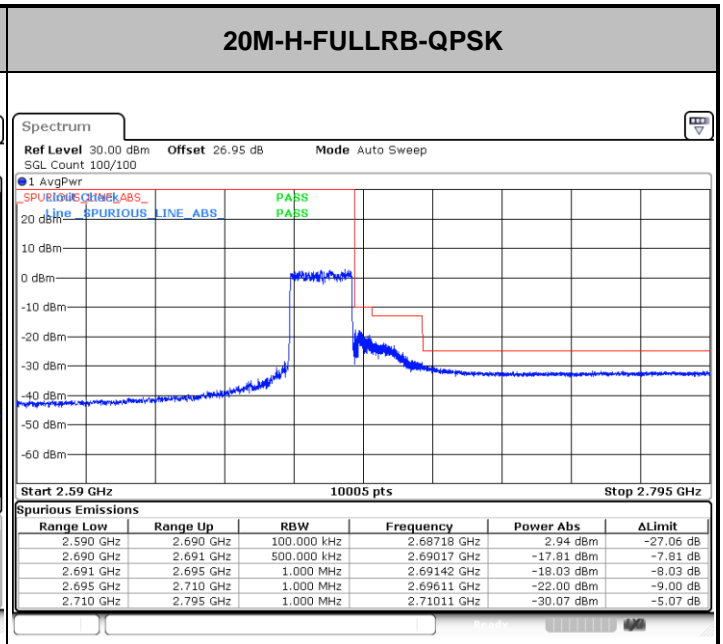
Conducted Band Edge



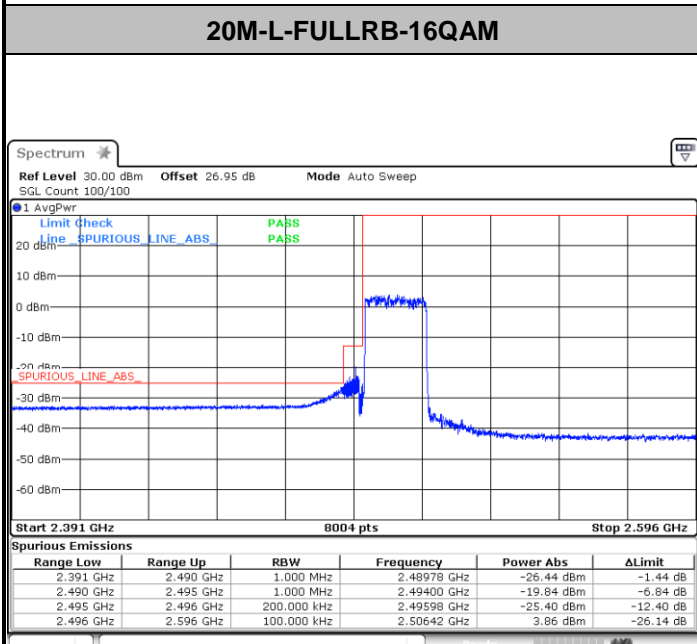




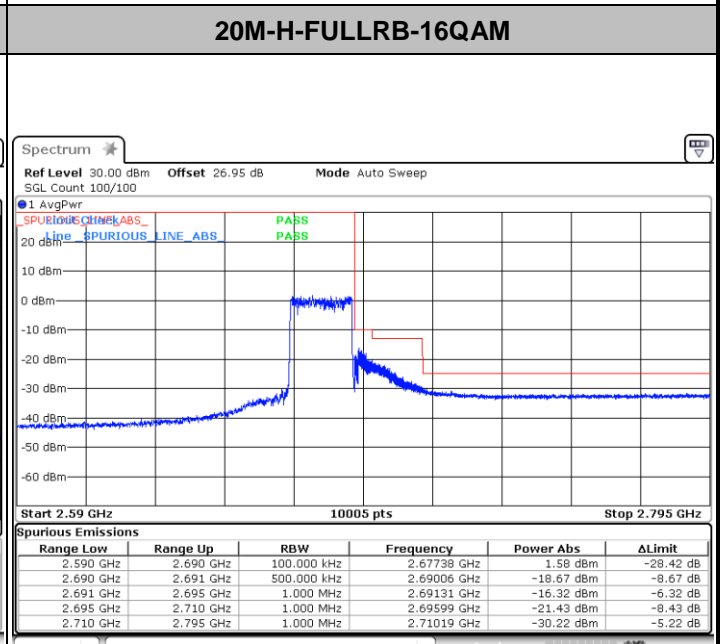
Date: 14.JAN.2021 22:32:50



Date: 14.JAN.2021 22:34:30



Date: 14.JAN.2021 22:33:09

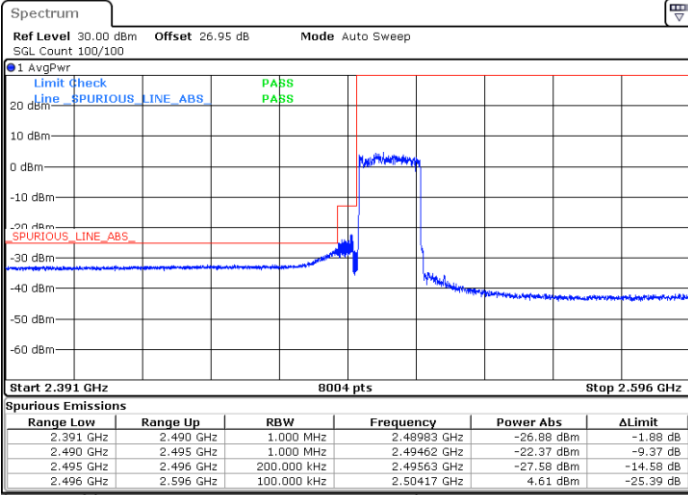


Date: 14.JAN.2021 22:34:48

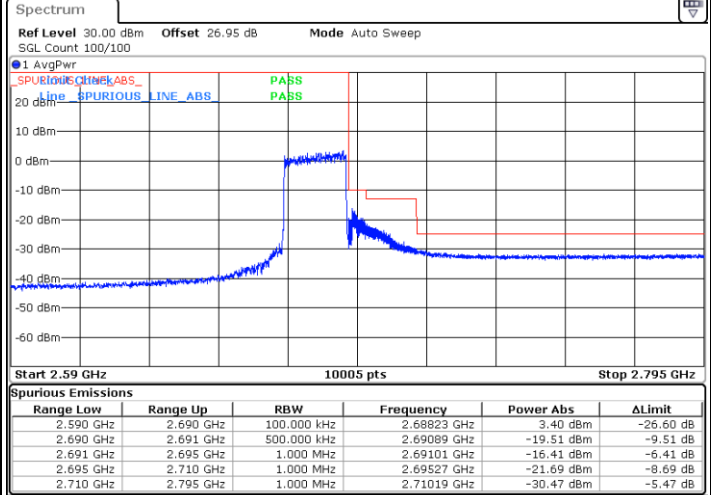


20M-L-FULLRB-64QAM

20M-H-FULLRB-64QAM



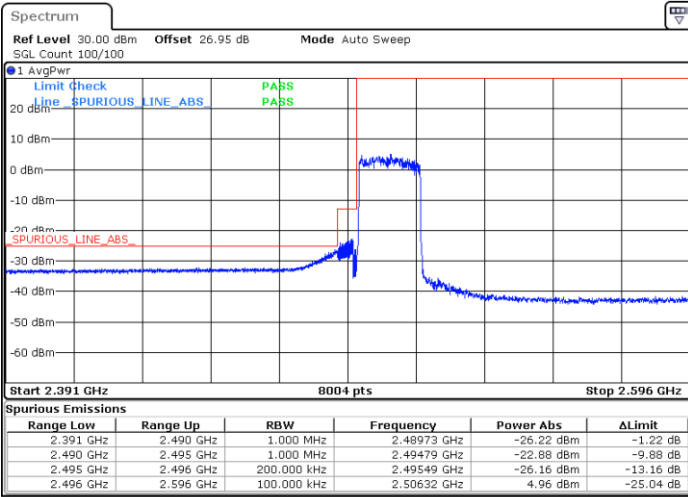
Date: 14.JAN.2021 22:33:24



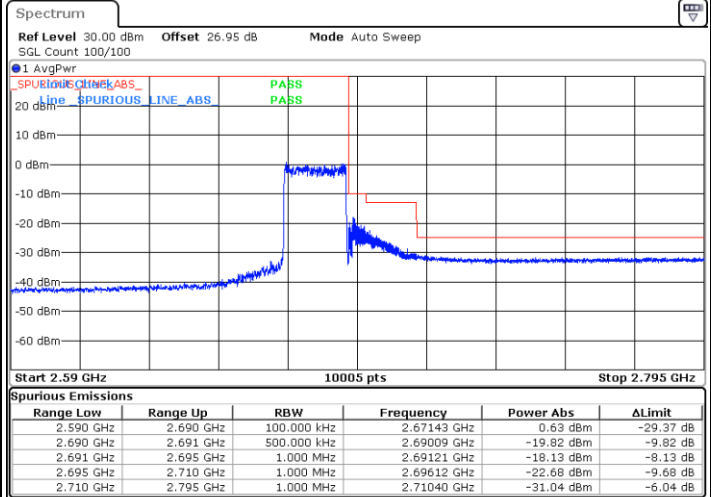
Date: 14.JAN.2021 22:35:03

20M-L-FULLRB-256QAM

20M-H-FULLRB-256QAM



Date: 14.JAN.2021 22:33:41



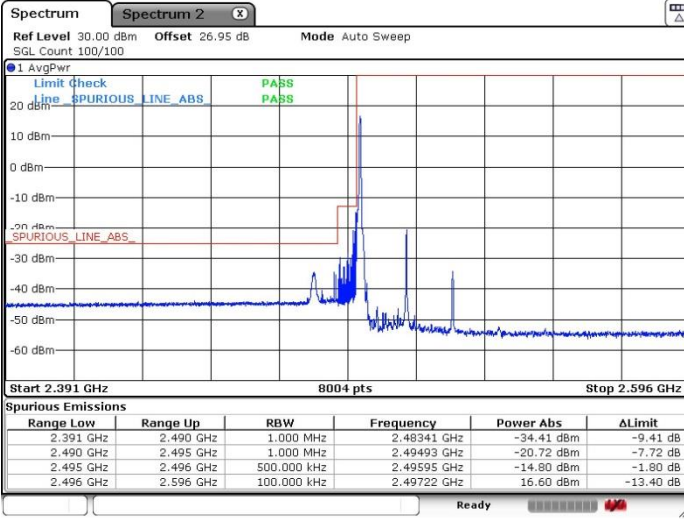
Date: 14.JAN.2021 22:35:21



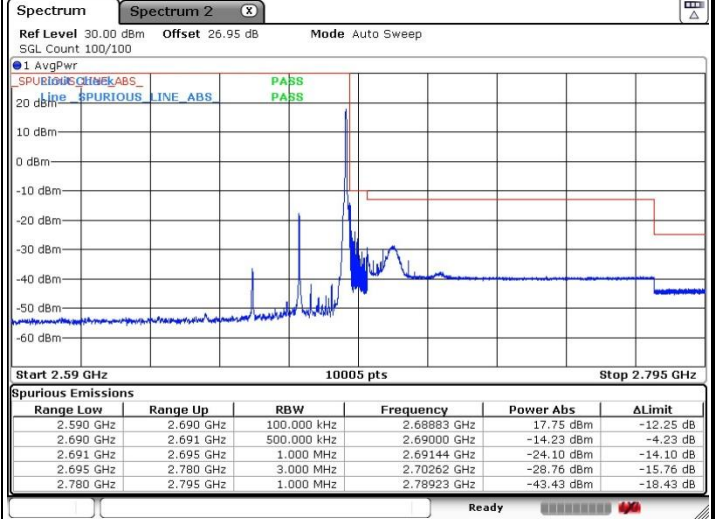
n41_UL MIMO / NR 30MHz

30M-L-1RB0-QPSK

30M-H-1RBMAX-QPSK



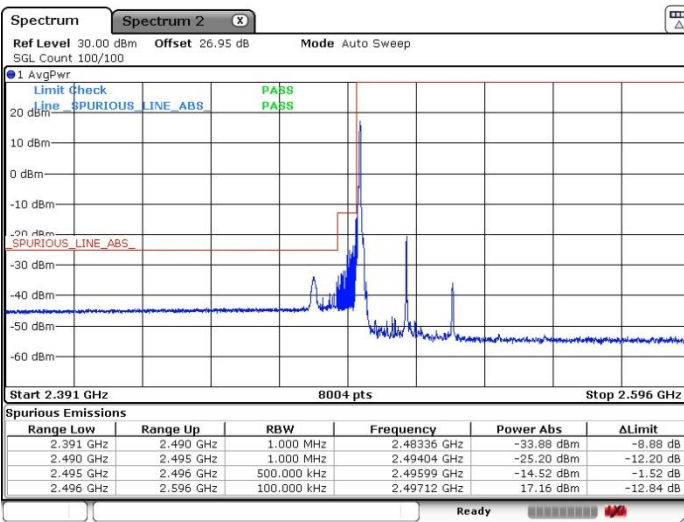
Date: 12 JAN 2021 22:43:52



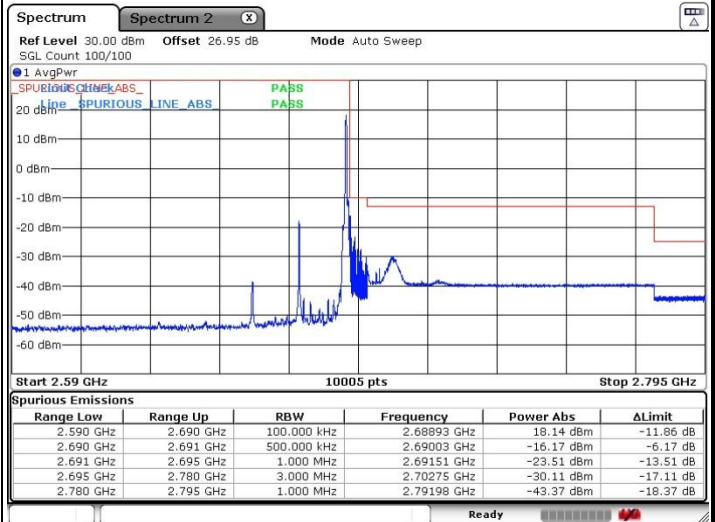
Date: 12 JAN 2021 22:47:49

30M-L-1RB0-16QAM

30M-H-1RBMAX-16QAM



Date: 12 JAN 2021 22:44:20



Date: 12 JAN 2021 22:48:08

