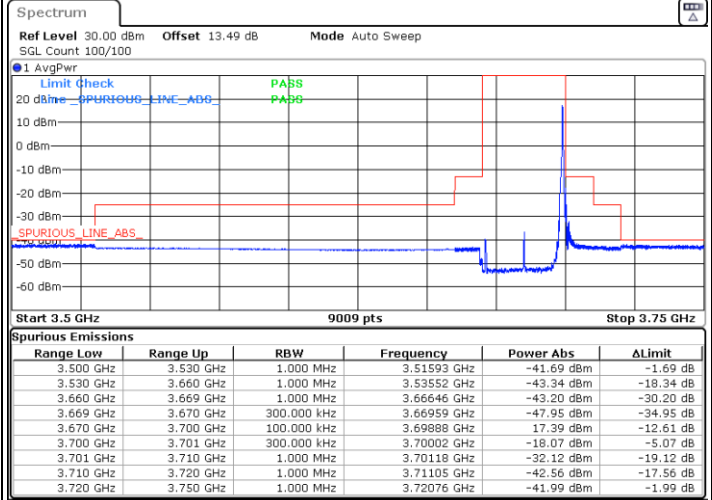
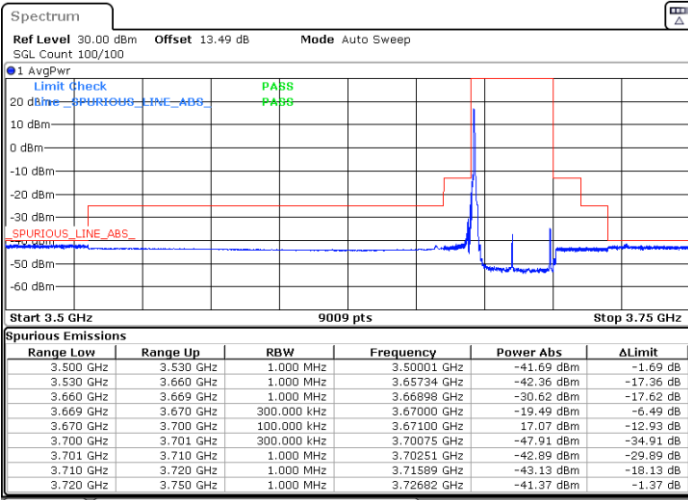




FR1 Part 96 N48/ 30MHz / DFT-S OFDM / QPSK

Highest Band Edge / 1RB0

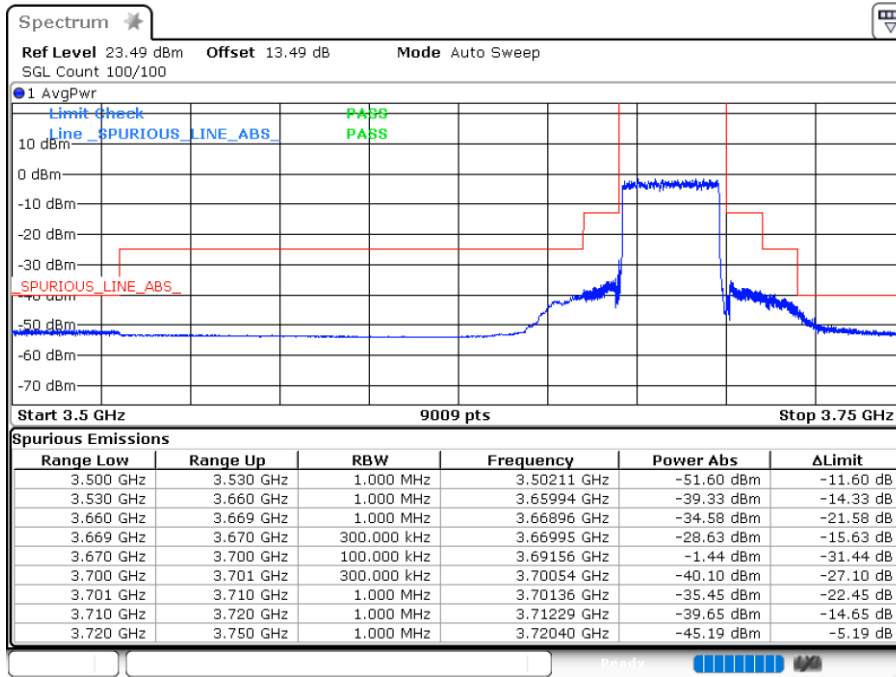
Highest Band Edge / 1RBmax



Date: 8.DEC.2022 06:00:21

Date: 8.DEC.2022 06:06:08

Highest Band Edge / Full RB



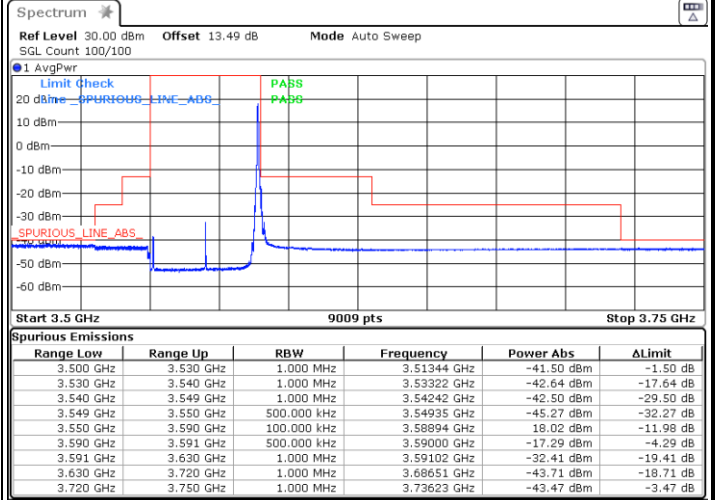
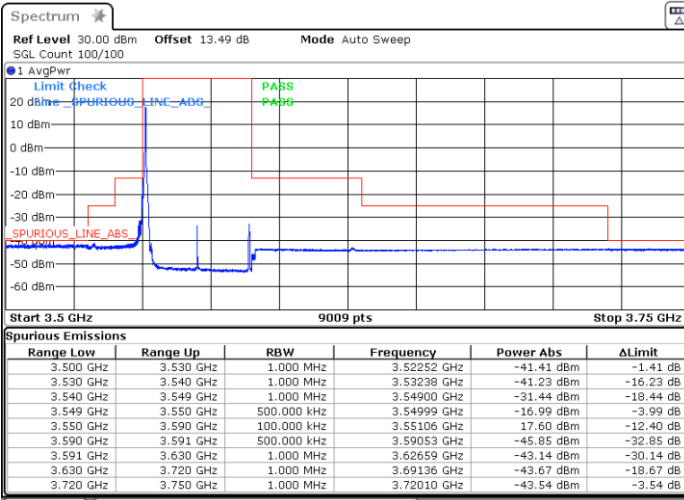
Date: 10.DEC.2022 01:28:07



FR1 Part 96 N48/ 40MHz / DFT-S OFDM / BPSK

Lowest Band Edge / 1RB0

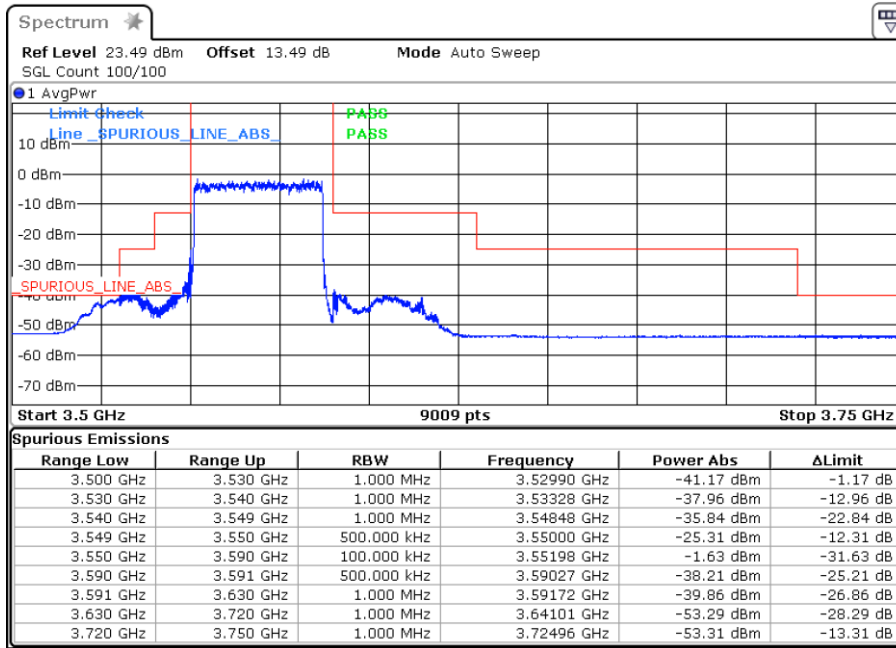
Lowest Band Edge / 1RBmax



Date: 7.DEC.2022 09:10:21

Date: 7.DEC.2022 09:13:04

Lowest Band Edge / Full RB



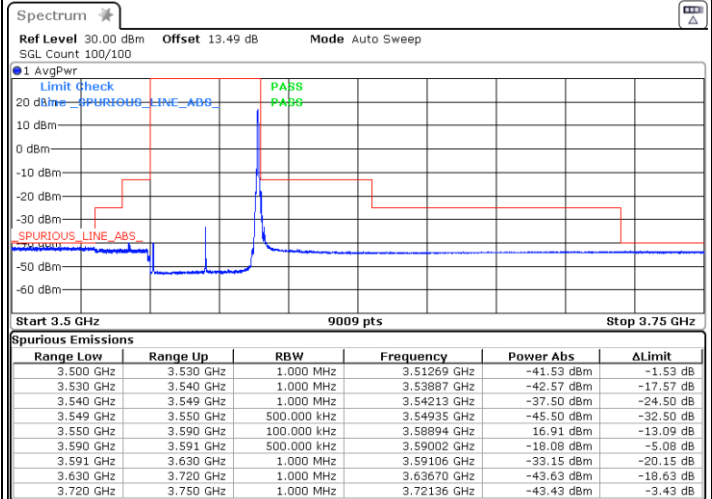
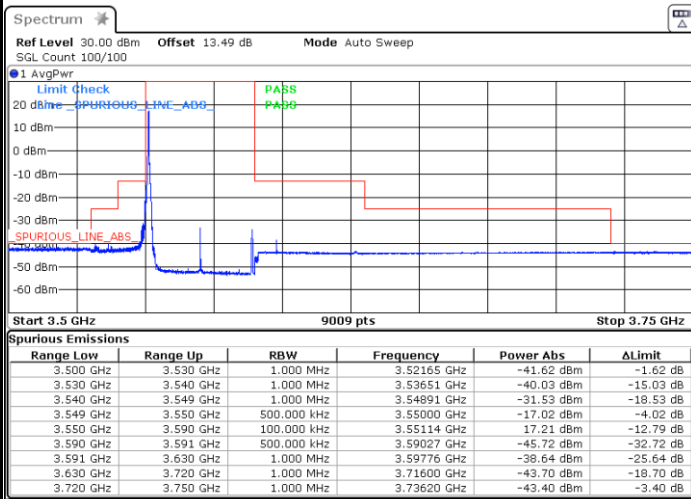
Date: 10.DEC.2022 01:21:07



FR1 Part 96 N48/ 40MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

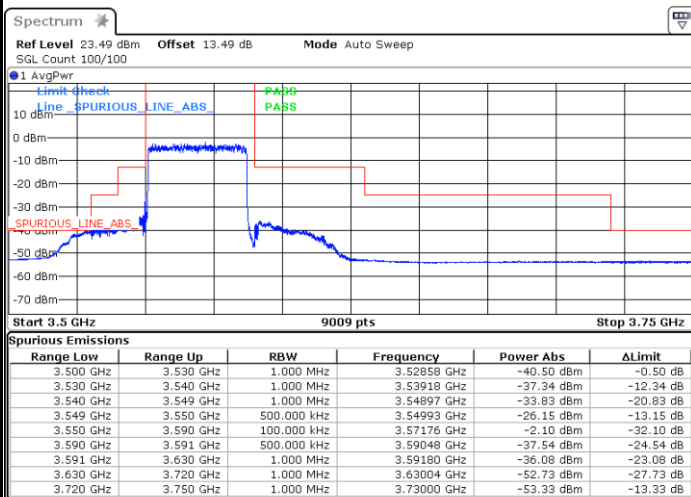
Lowest Band Edge / 1RBmax



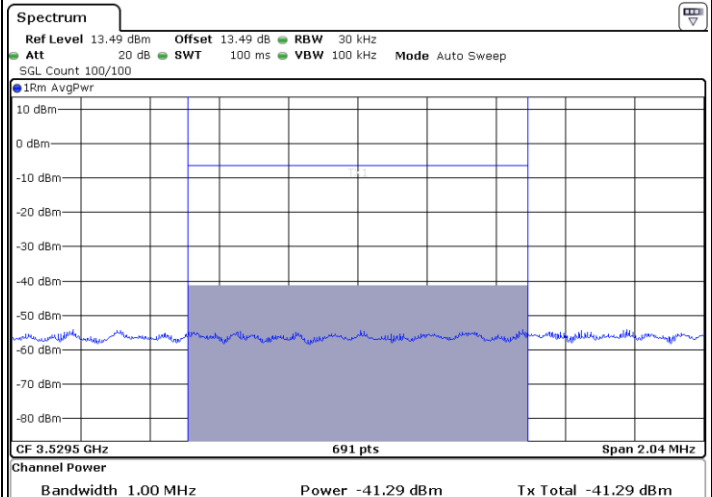
Date: 7.DEC.2022 09:11:29

Date: 7.DEC.2022 09:12:19

Lowest Band Edge / Full RB



Date: 10.DEC.2022 01:22:41

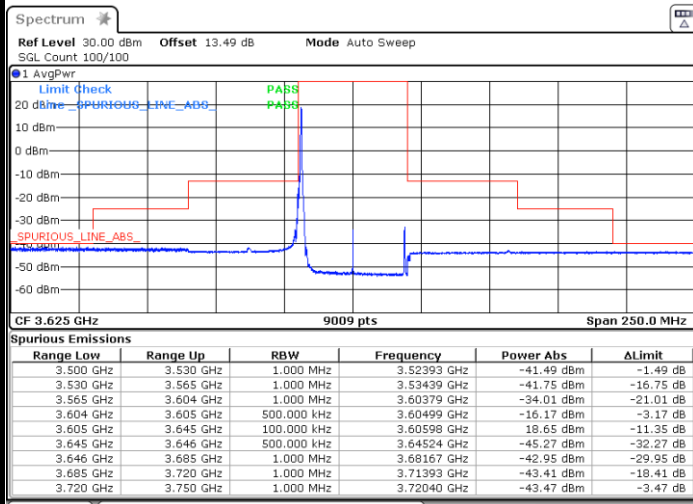


Date: 10.DEC.2022 01:09:55



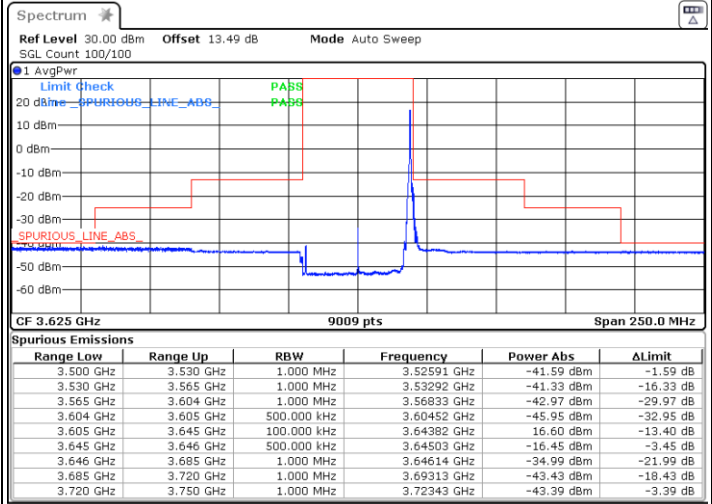
FR1 Part 96 N48/ 40MHz / DFT-S OFDM / BPSK

Middle Band Edge / 1RB0



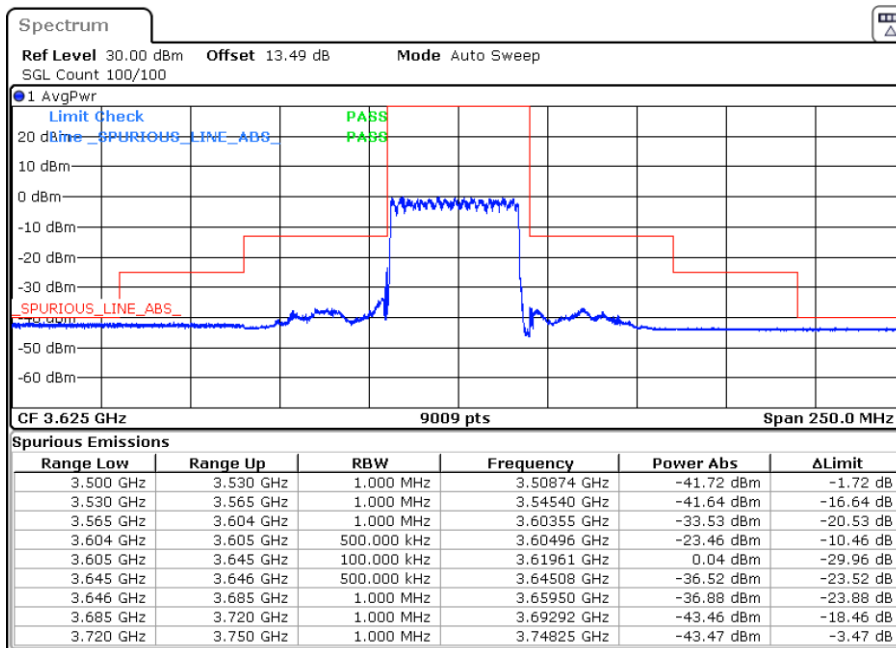
Date: 7.DEC.2022 09:19:25

Middle Band Edge / 1RBmax



Date: 7.DEC.2022 09:17:18

Middle Band Edge / Full RB

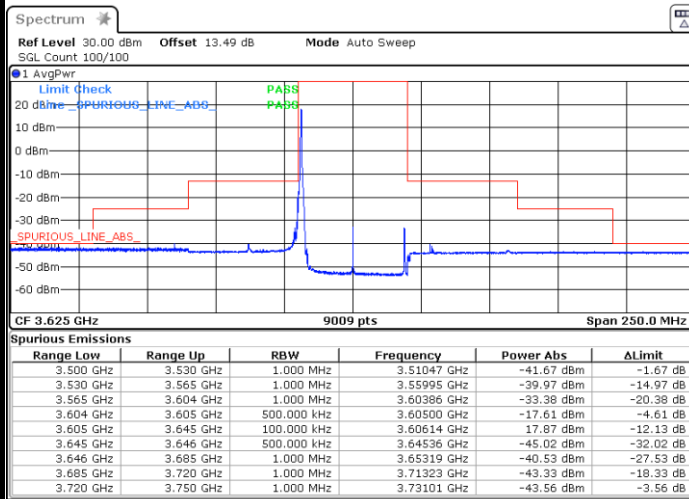


Date: 7.DEC.2022 09:16:05



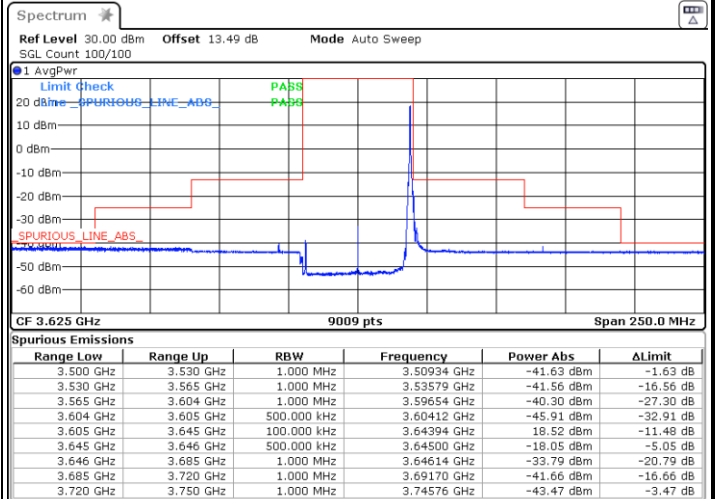
FR1 Part 96 N48/ 40MHz / DFT-S OFDM / QPSK

Middle Band Edge / 1RB0



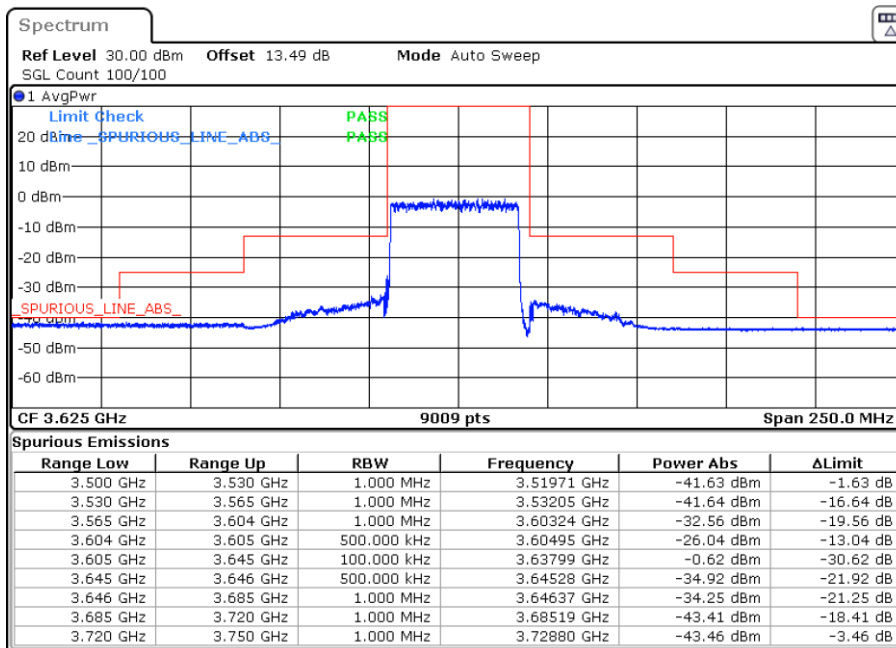
Date: 7.DEC.2022 09:18:42

Middle Band Edge / 1RBmax



Date: 7.DEC.2022 09:18:00

Middle Band Edge / Full RB



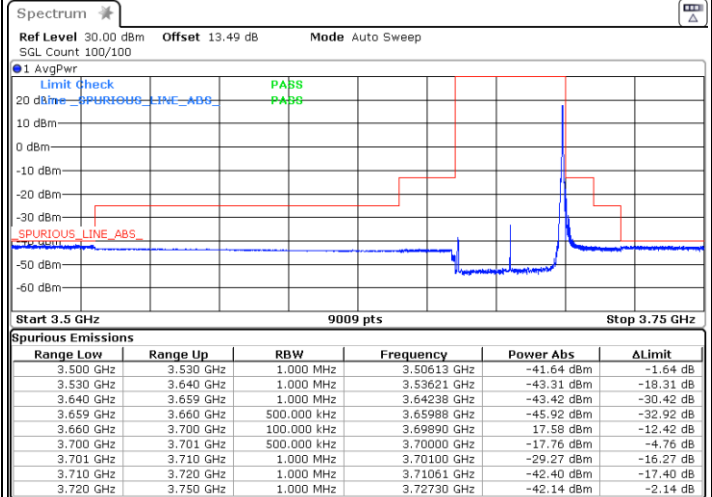
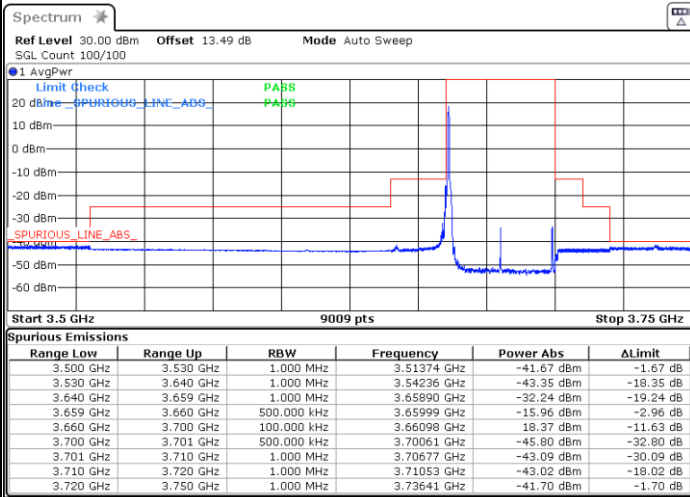
Date: 7.DEC.2022 09:15:27



FR1 Part 96 N48/ 40MHz / DFT-S OFDM / BPSK

Highest Band Edge / 1RB0

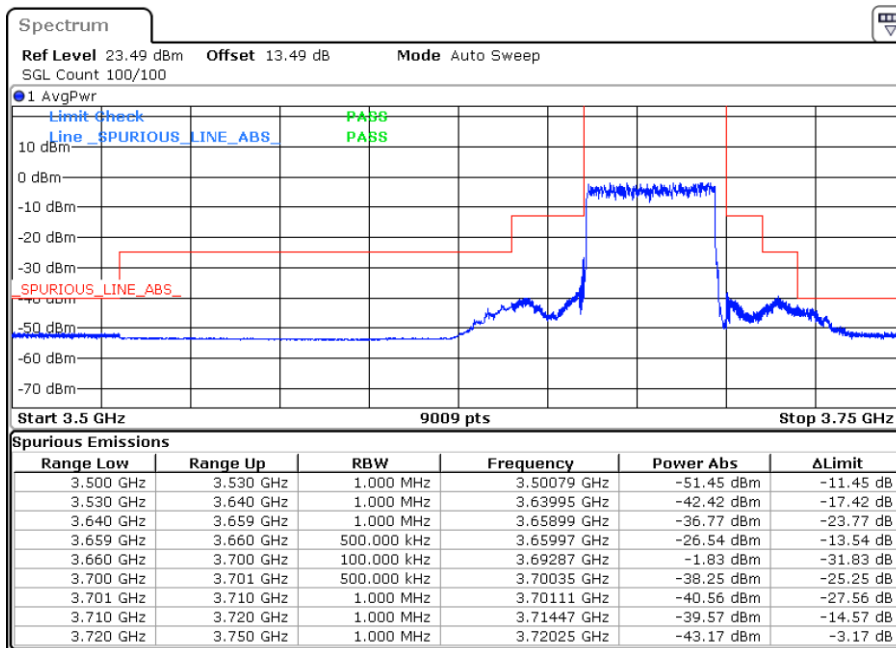
Highest Band Edge / 1RBmax



Date: 7.DEC.2022 09:20:23

Date: 7.DEC.2022 09:22:25

Highest Band Edge / Full RB



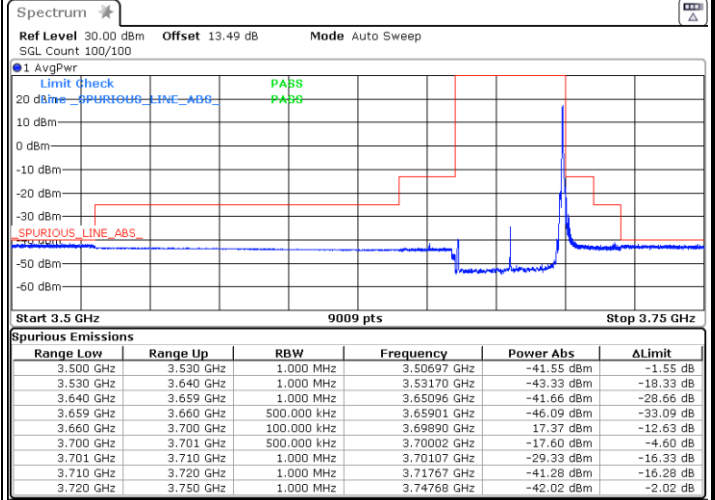
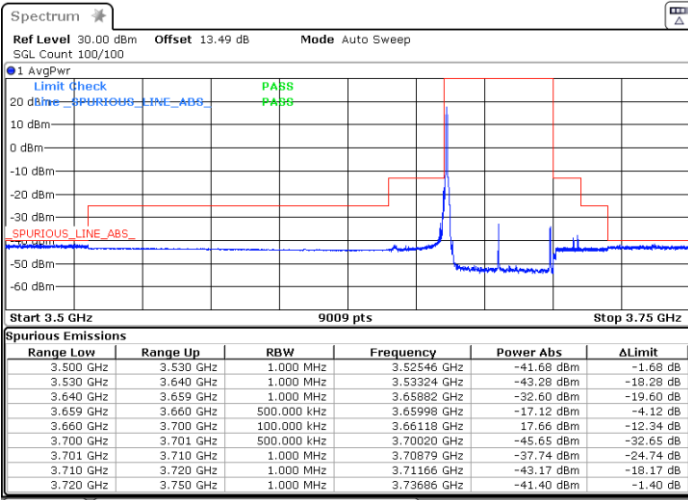
Date: 10.DEC.2022 01:19:24



FR1 Part 96 N48/ 40MHz / DFT-S OFDM / QPSK

Highest Band Edge / 1RB0

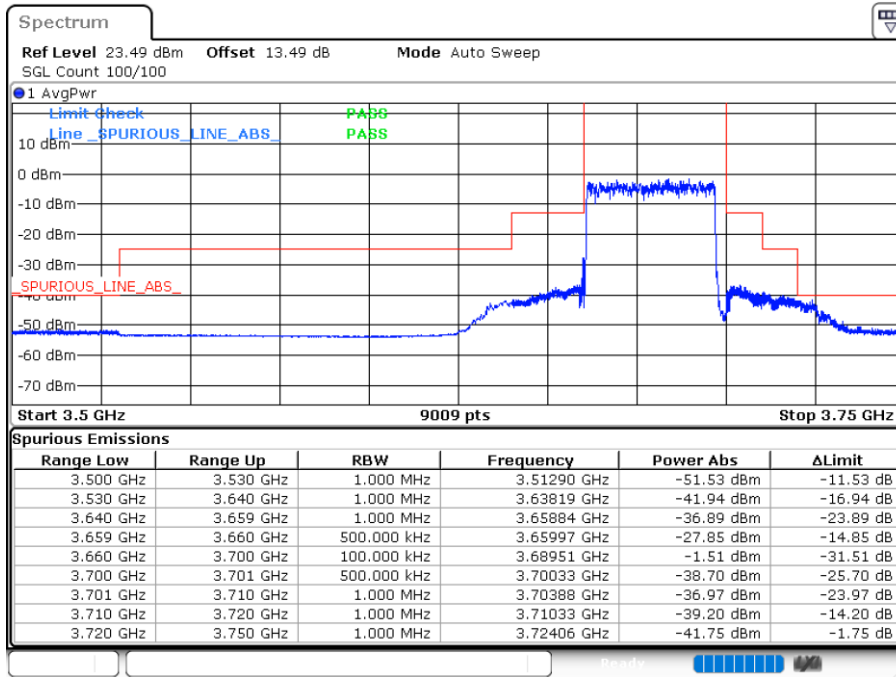
Highest Band Edge / 1RBmax



Date: 7.DEC.2022 09:21:05

Date: 7.DEC.2022 09:21:43

Highest Band Edge / Full RB



Date: 10.DEC.2022 01:18:10



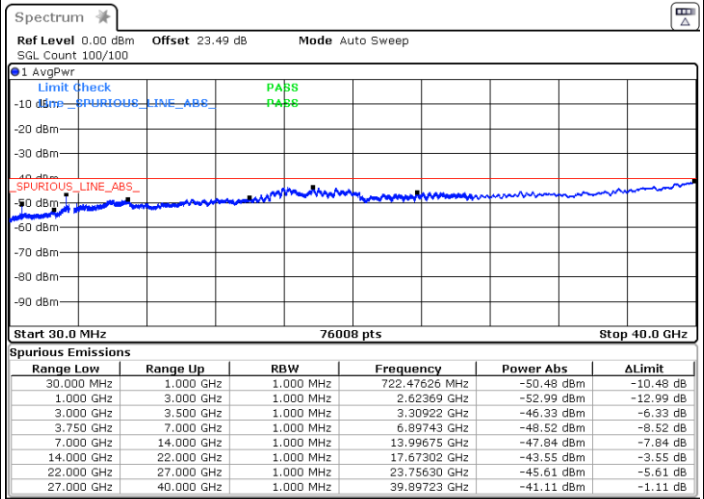
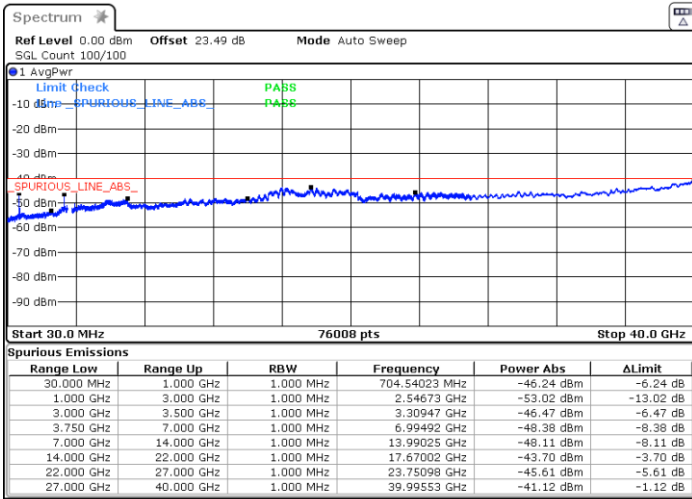


# Conducted Spurious Emission

## FR1 Part 96 N48 / 20MHz / DFT-S OFDM / BPSK

### Lowest Channel / 1RB1

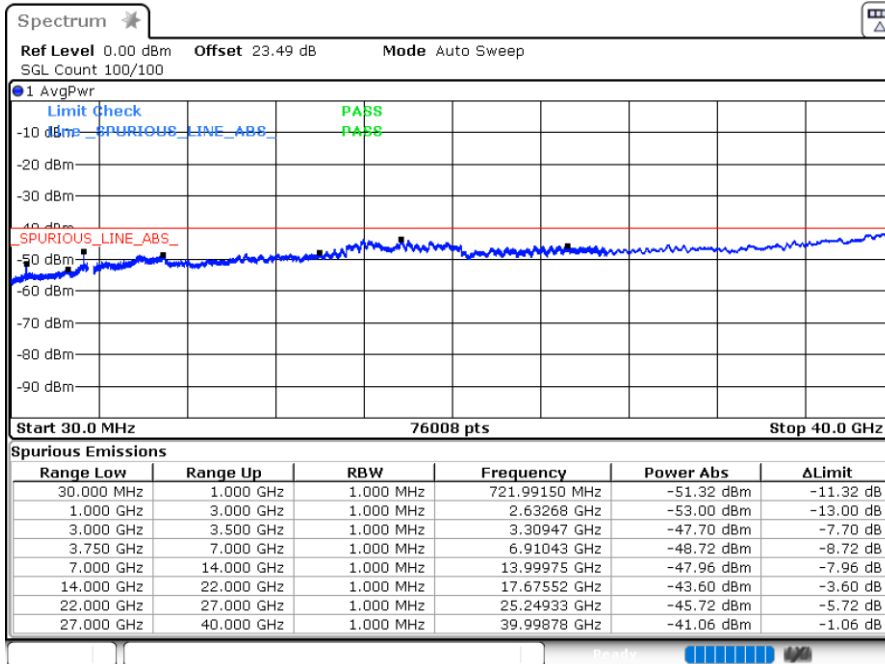
### Middle Channel / 1RB1



Date: 7.DEC.2022 08:51:41

Date: 7.DEC.2022 08:45:49

### Highest Channel / 1RB1



Date: 7.DEC.2022 08:53:27

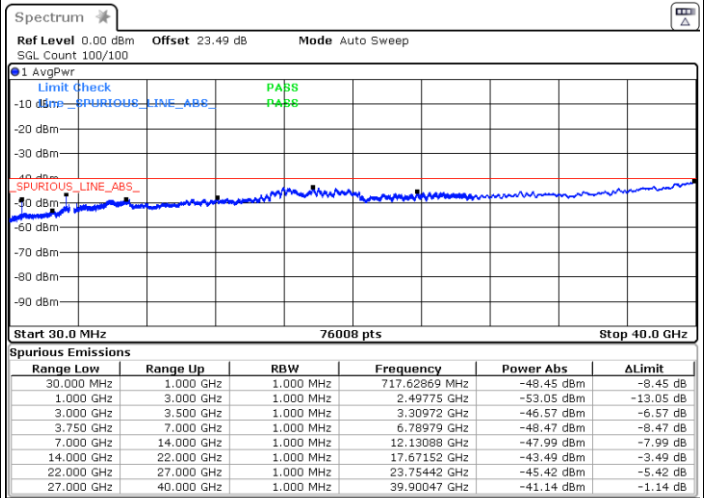
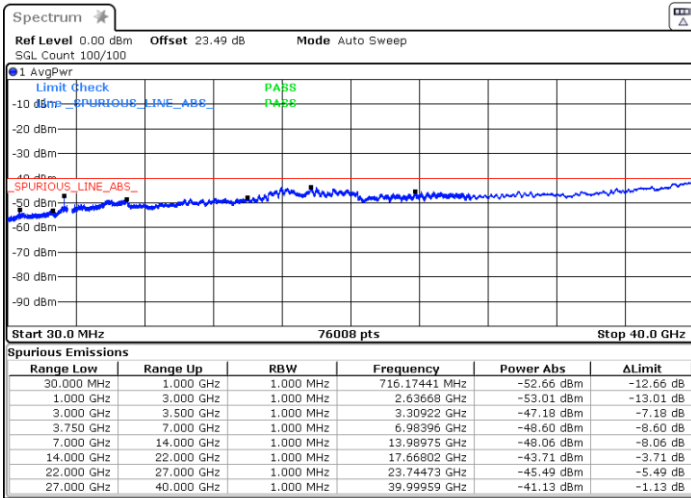




FR1 Part 96 N48 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

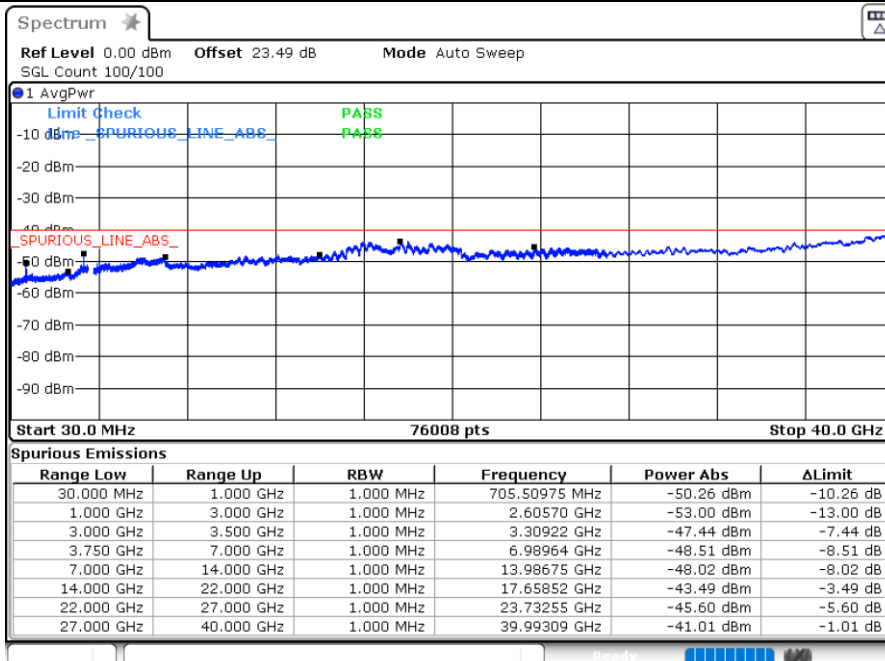
Middle Channel / 1RB1



Date: 7.DEC.2022 08:49:52

Date: 7.DEC.2022 08:48:06

Highest Channel / 1RB1



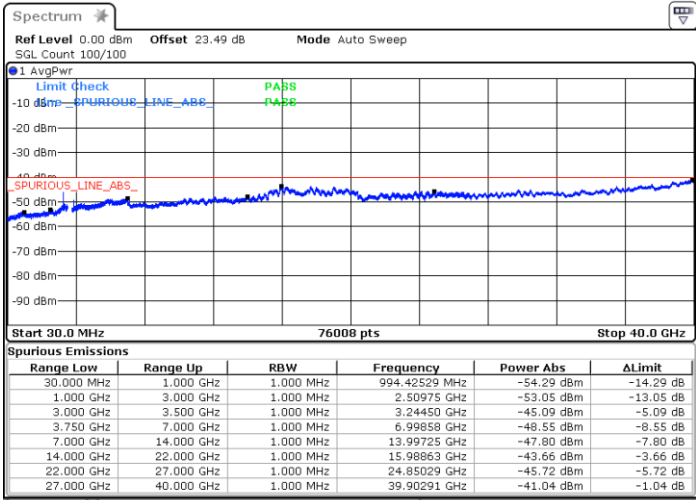
Date: 7.DEC.2022 08:55:09



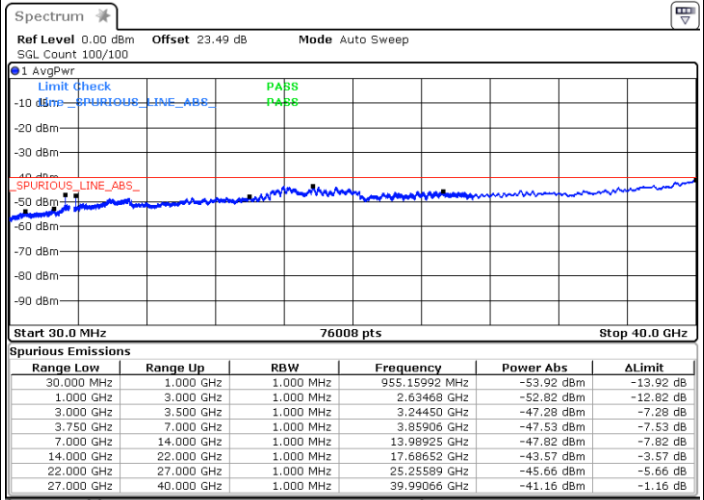
FR1 Part 96 N48 / 30MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

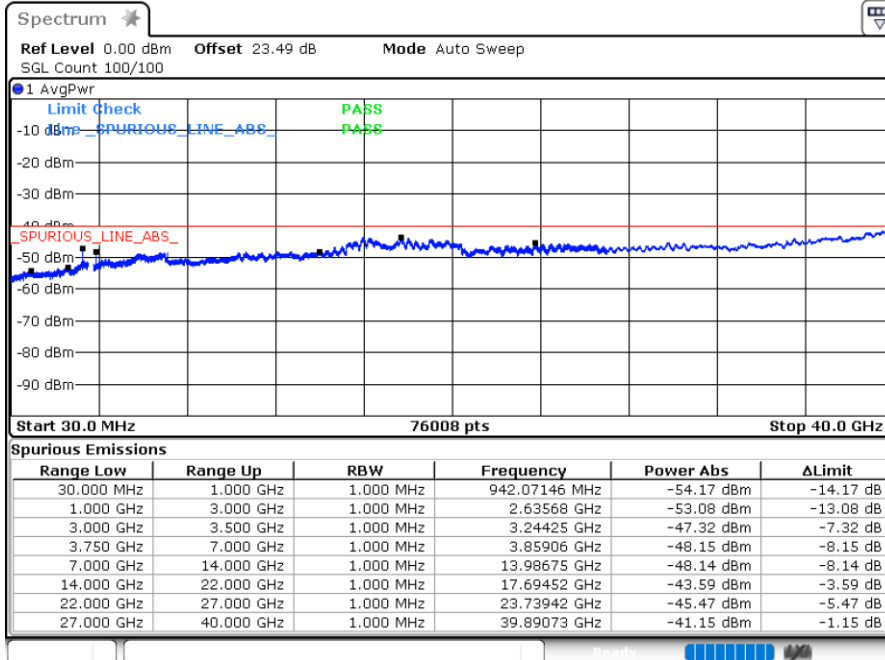


Date: 10.DEC.2022 09:35:01



Date: 10.DEC.2022 09:47:04

Highest Channel / 1RB1



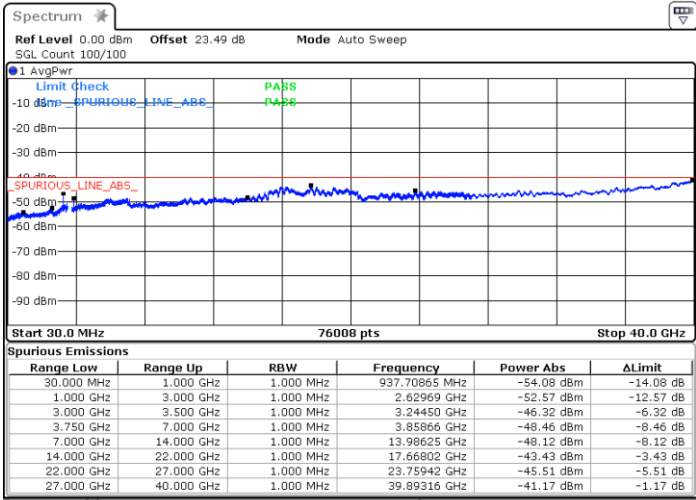
Date: 10.DEC.2022 09:48:50



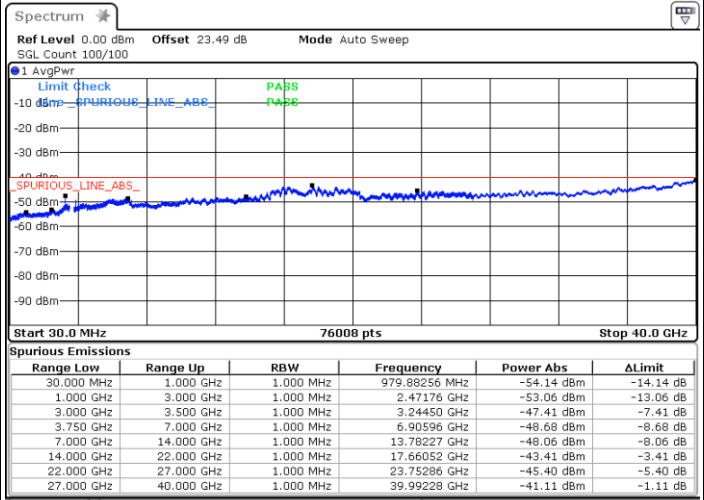
FR1 Part 96 N48 / 30MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

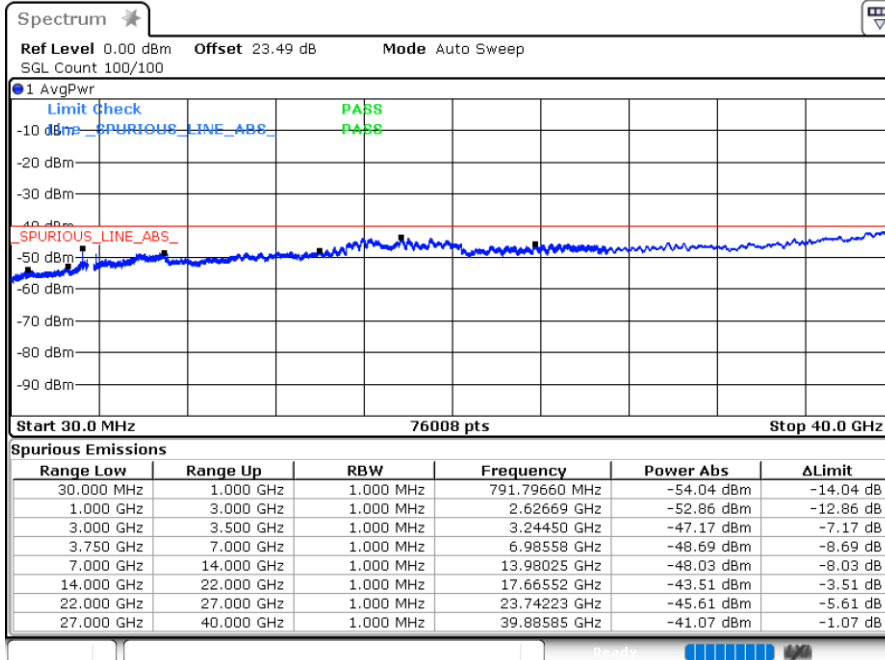


Date: 10.DEC.2022 09:41:31



Date: 10.DEC.2022 09:43:05

Highest Channel / 1RB1



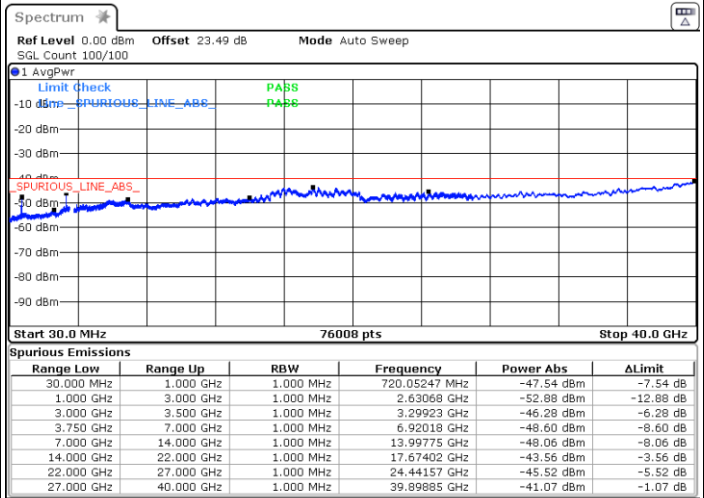
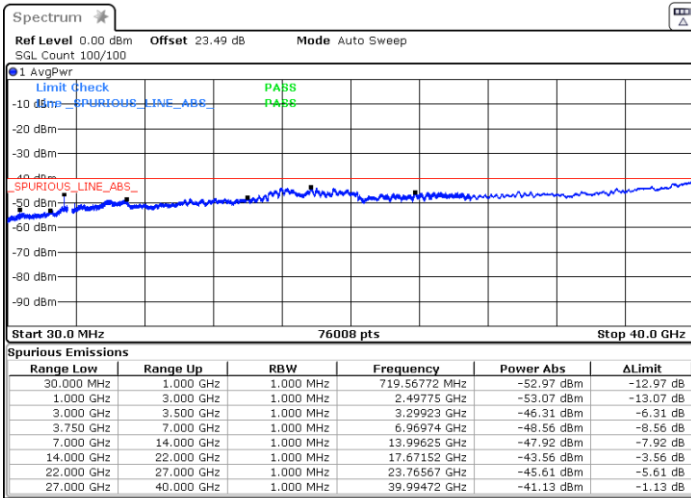
Date: 10.DEC.2022 09:51:23



FR1 Part 96 N48 / 40MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

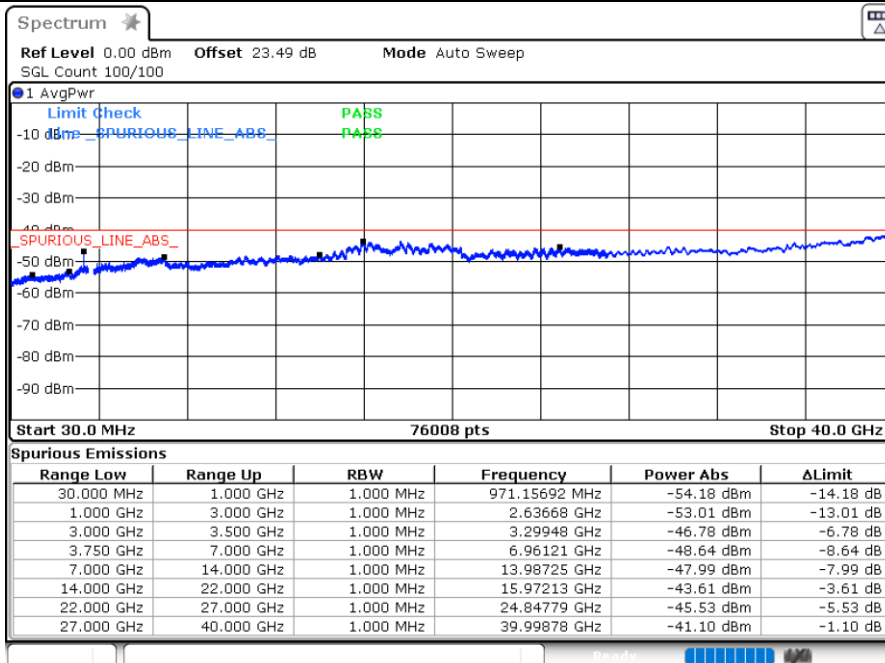
Middle Channel / 1RB1



Date: 7.DEC.2022 09:00:11

Date: 7.DEC.2022 09:01:55

Highest Channel / 1RB1



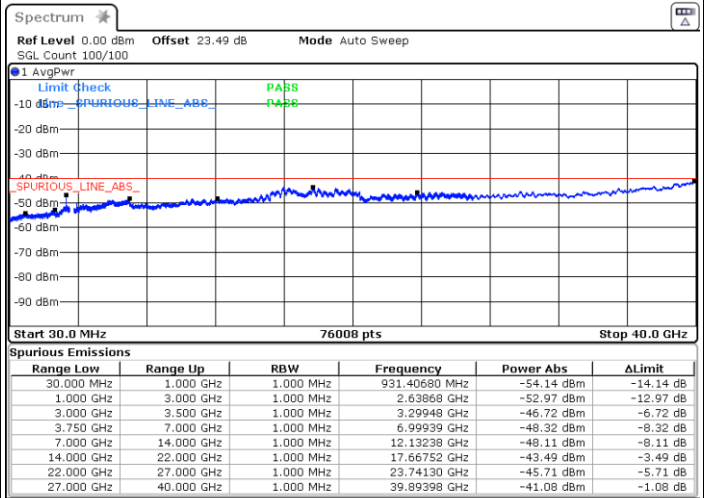
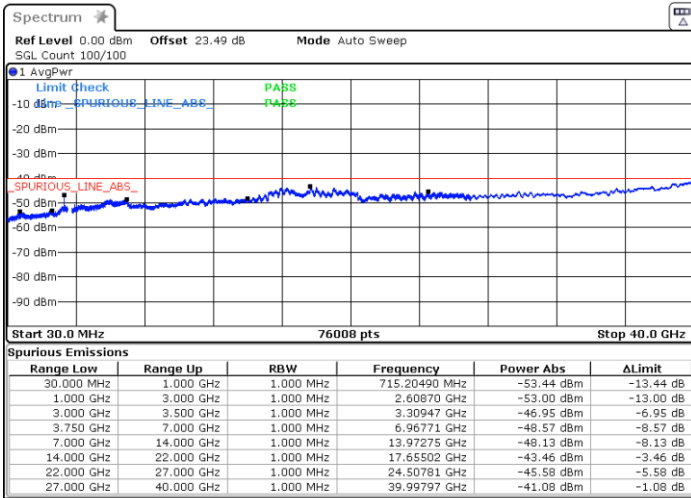
Date: 7.DEC.2022 09:08:02



FR1 Part 96 N48 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

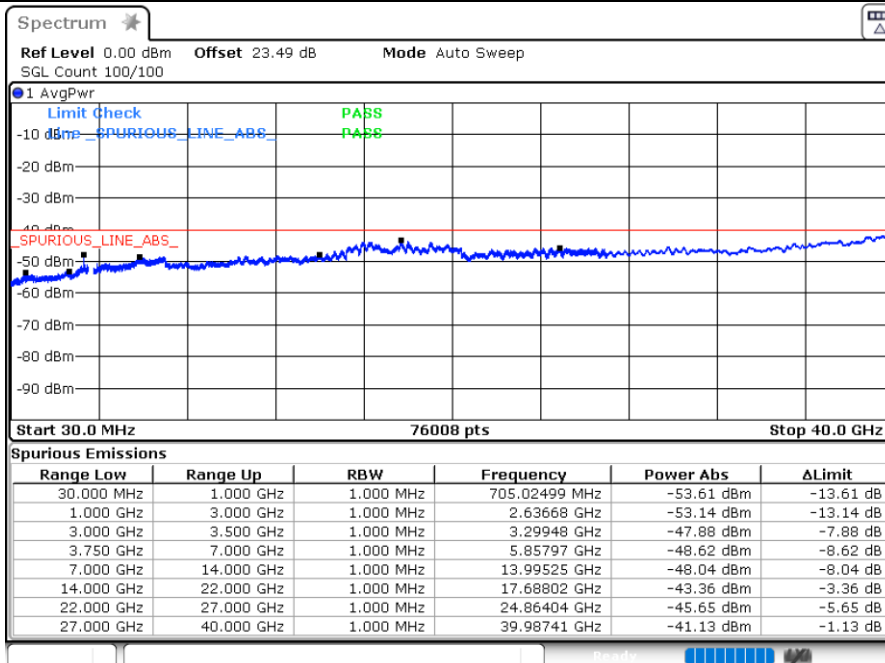
Middle Channel / 1RB1



Date: 7.DEC.2022 08:57:10

Date: 7.DEC.2022 09:03:48

Highest Channel / 1RB1



Date: 7.DEC.2022 09:05:41



Frequency Stability

Test Conditions		FR1 n48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0012	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0025	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0031	
-30	Normal Voltage	0.0036	
20	Maximum Voltage	0.0043	
20	Normal Voltage	0.0051	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

SA n48 / NR 40MHz / QPSK / ANT2(NR)									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7212.00	-61.97	-40	-21.97	-54.60	-65.27	8.30	11.60	H
	10818.00	-58.03	-40	-18.03	-62.42	-59.55	10.48	12.00	H
	14430.00	-60.97	-40	-20.97	-62.96	-62.67	11.80	13.50	H
	7212.00	-62.38	-40	-22.38	-53.78	-65.68	8.30	11.60	V
	10818.00	-57.09	-40	-17.09	-62.81	-58.61	10.48	12.00	V
	14430.00	-60.83	-40	-20.83	-63.02	-62.53	11.80	13.50	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.