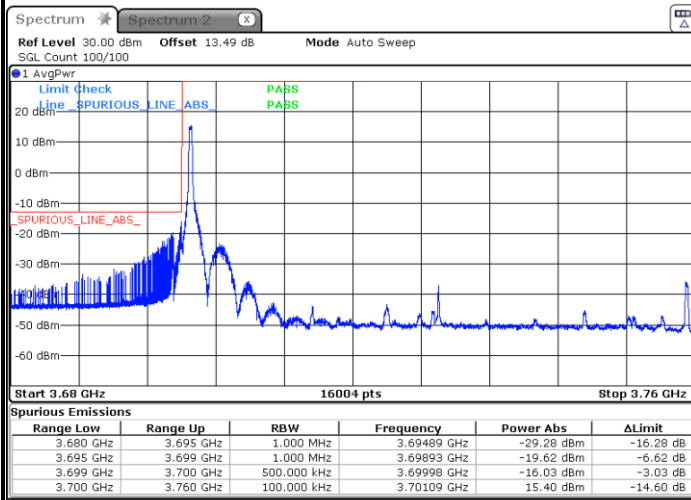


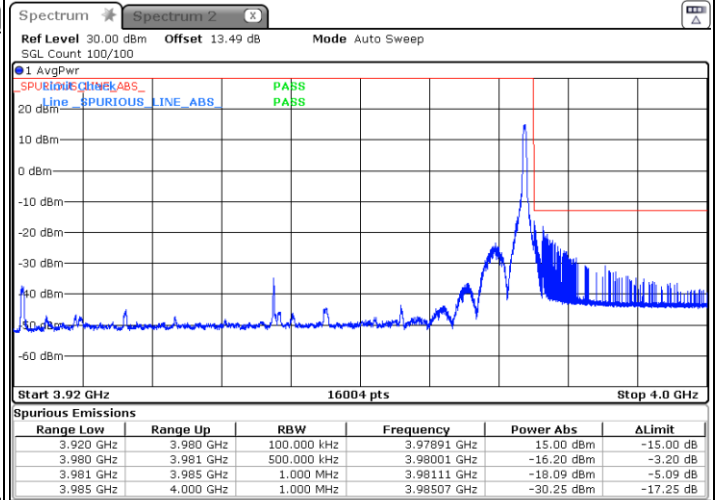


FR1 n77 / 60MHz / DFT-S OFDM / 256Q

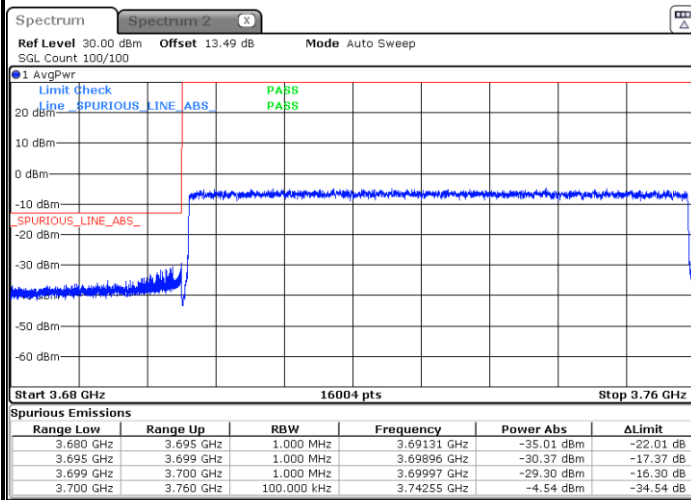
Lowest Band Edge / 1RB0



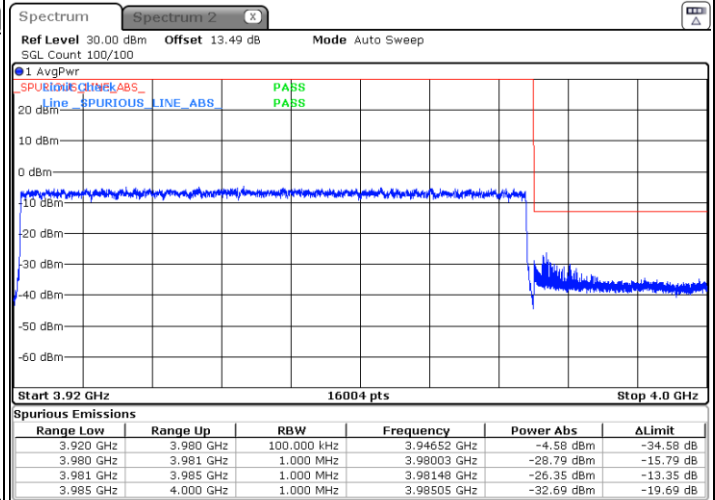
Highest Band Edge / 1RB24



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

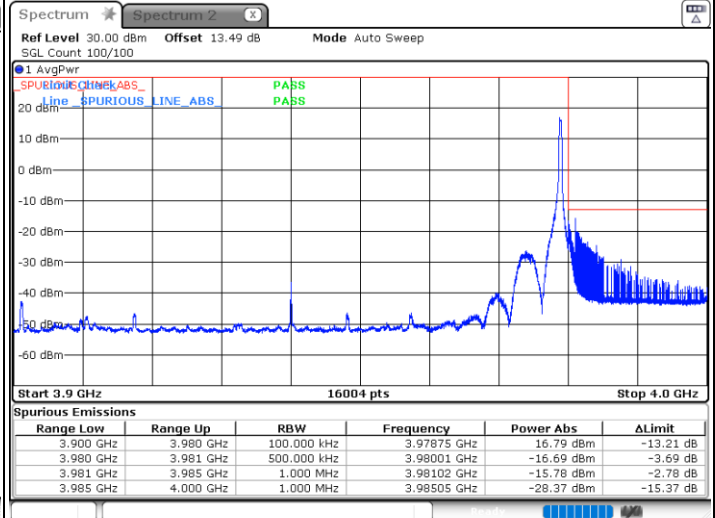
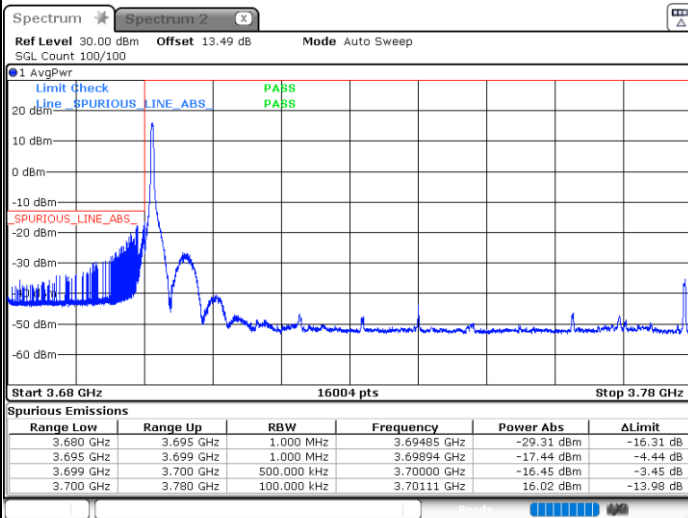




FR1 n77 / 80MHz / DFT-S OFDM / PI/2 BPSK

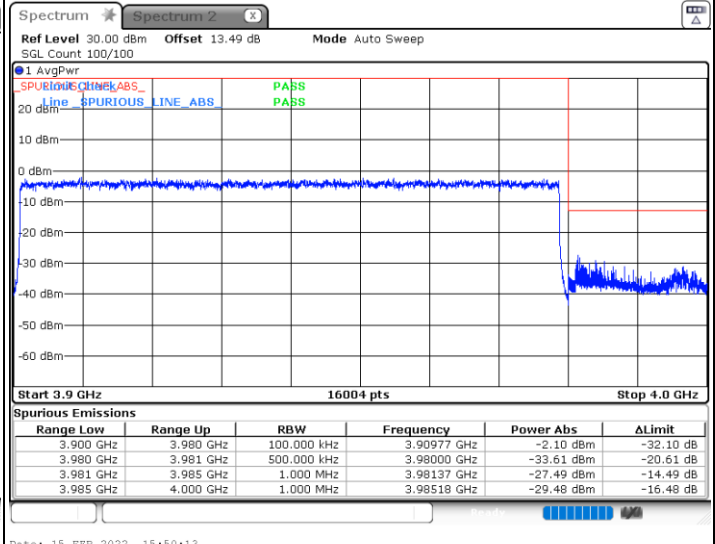
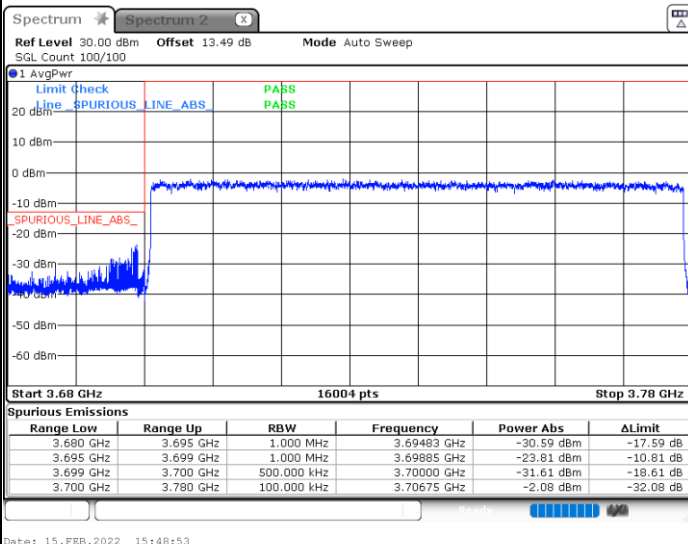
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

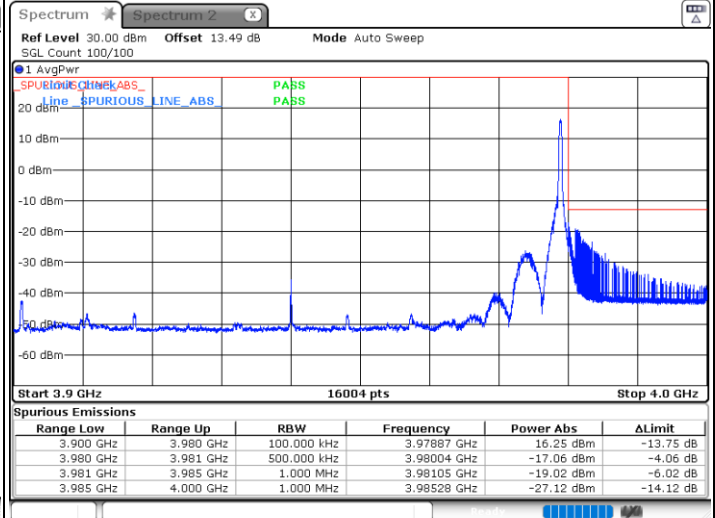
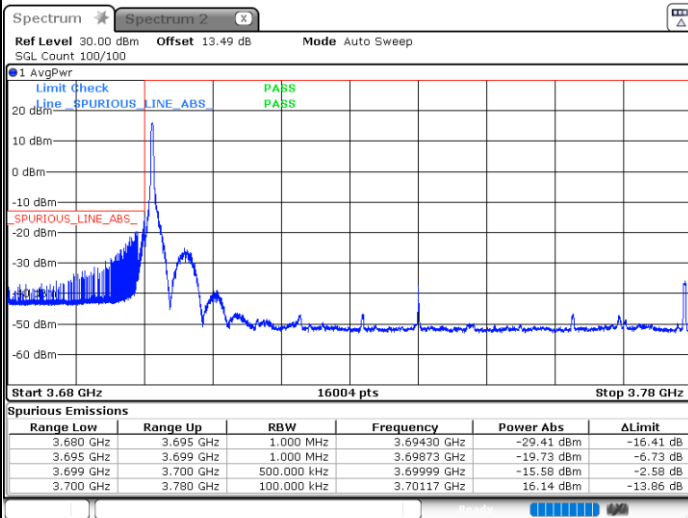




FR1 n77 / 80MHz / DFT-S OFDM / QPSK

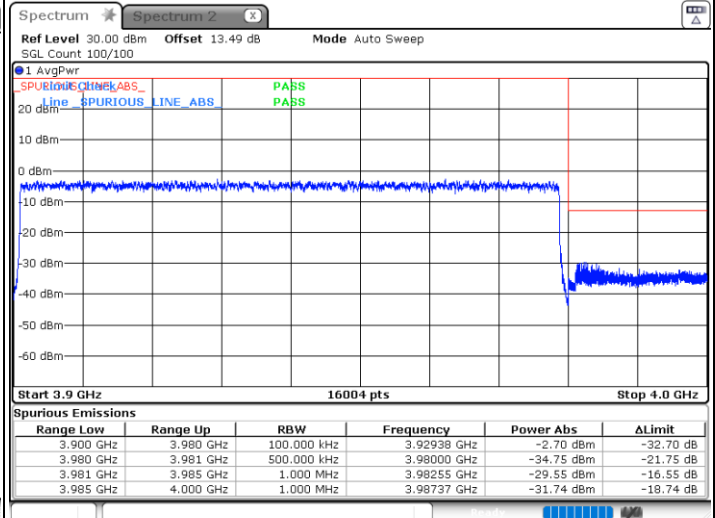
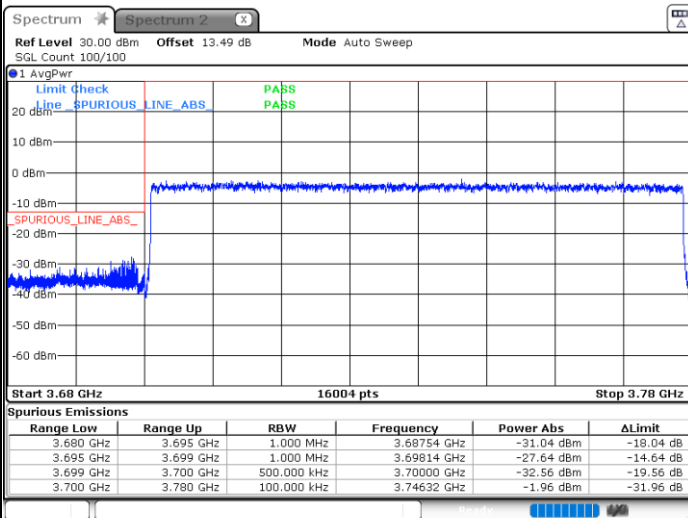
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

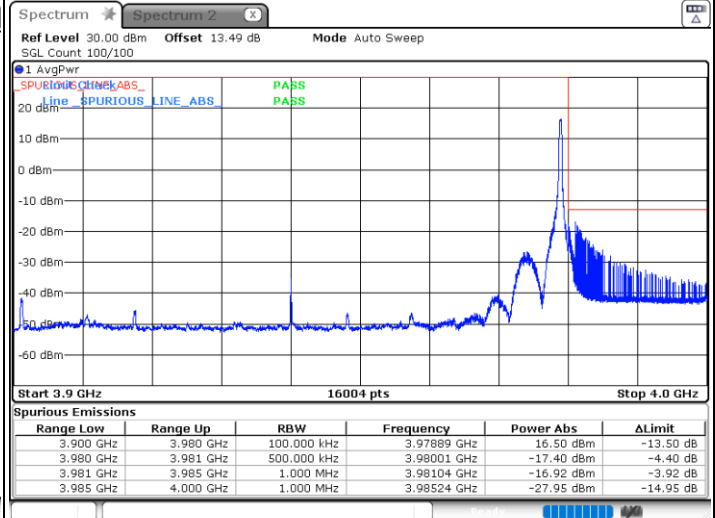
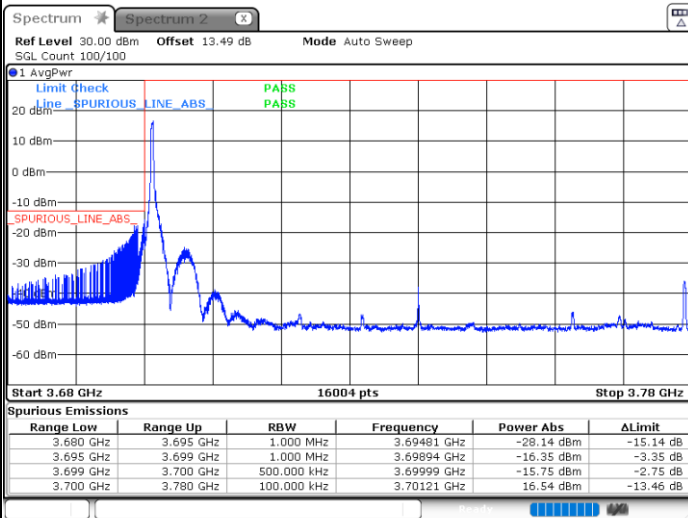




FR1 n77 / 80MHz / DFT-S OFDM / 16Q

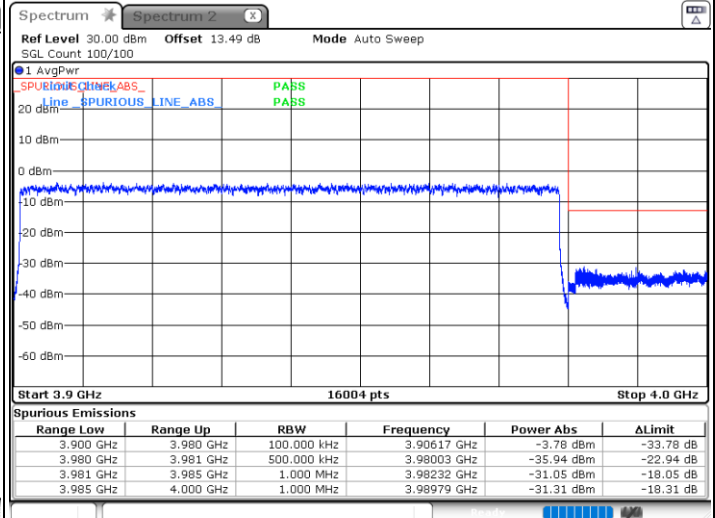
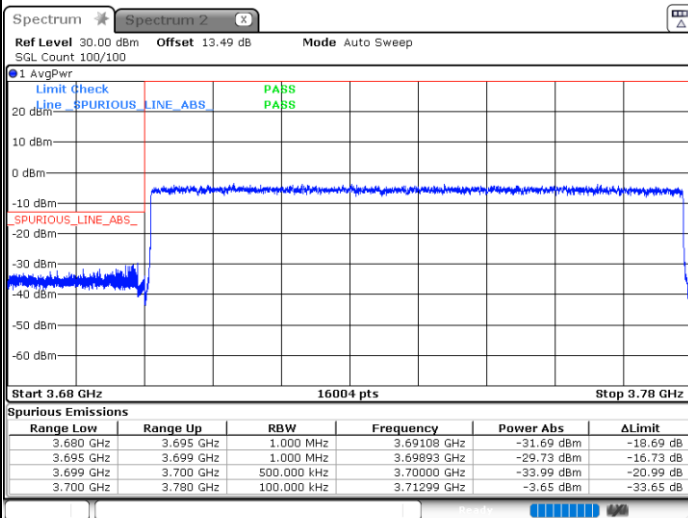
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

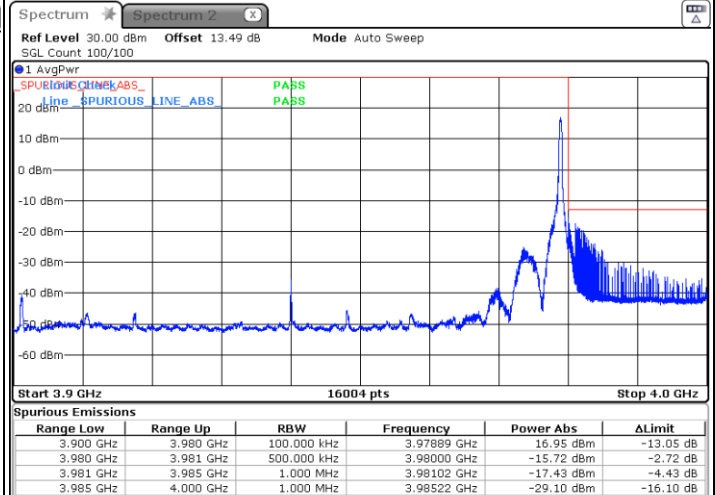
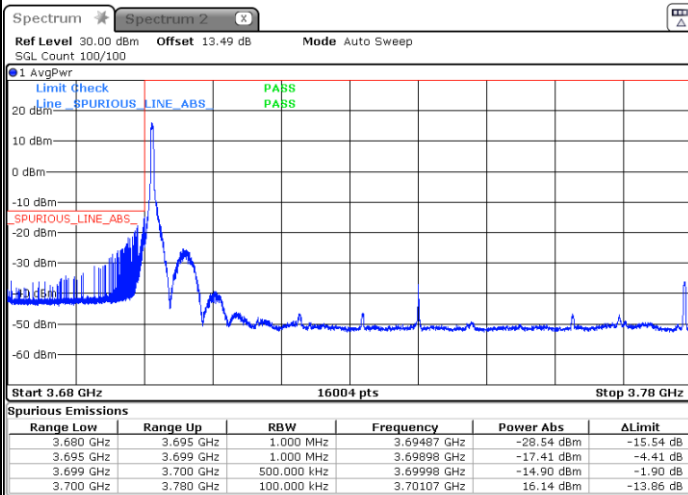




FR1 n77 / 80MHz / DFT-S OFDM / 64Q

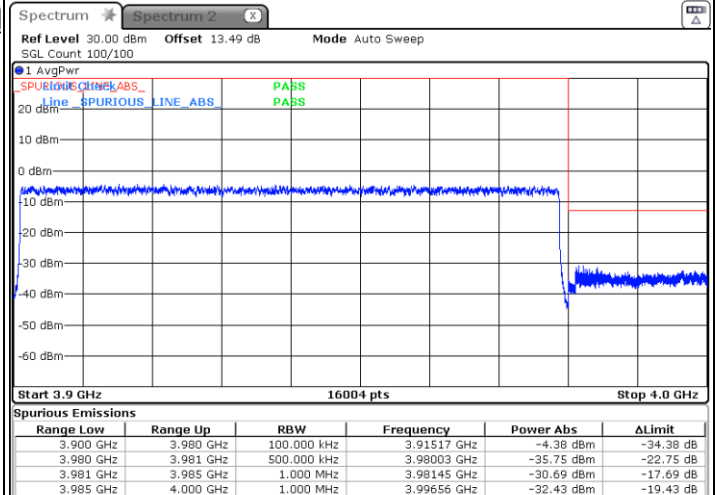
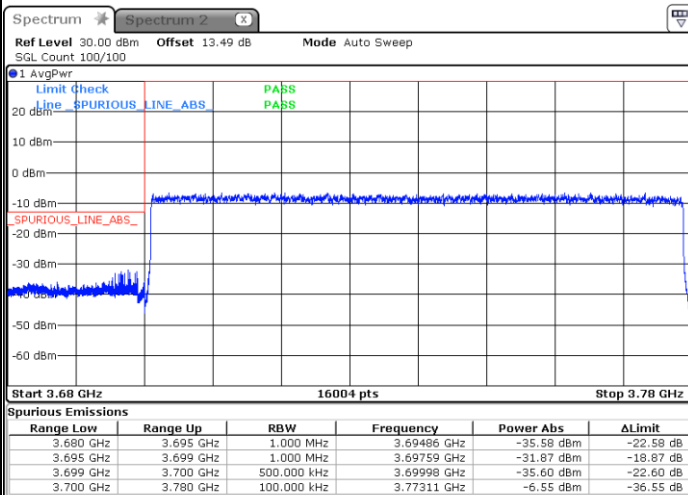
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

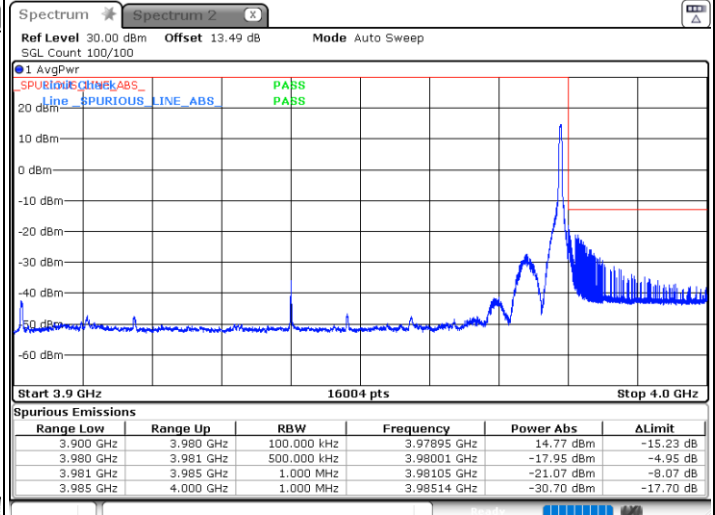
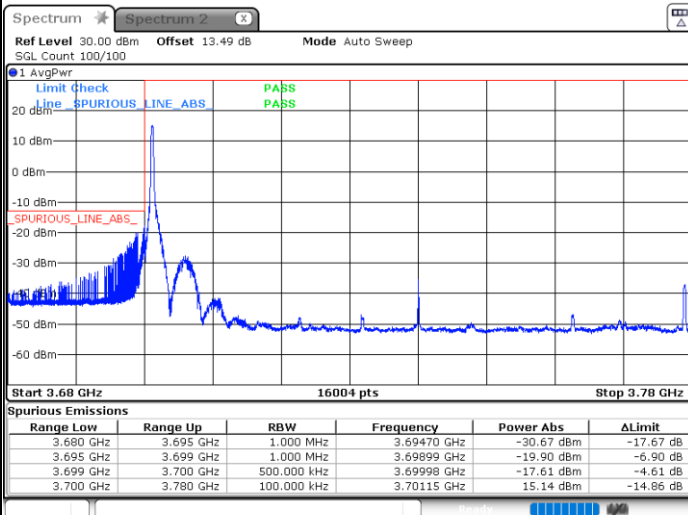




FR1 n77 / 80MHz / DFT-S OFDM / 256Q

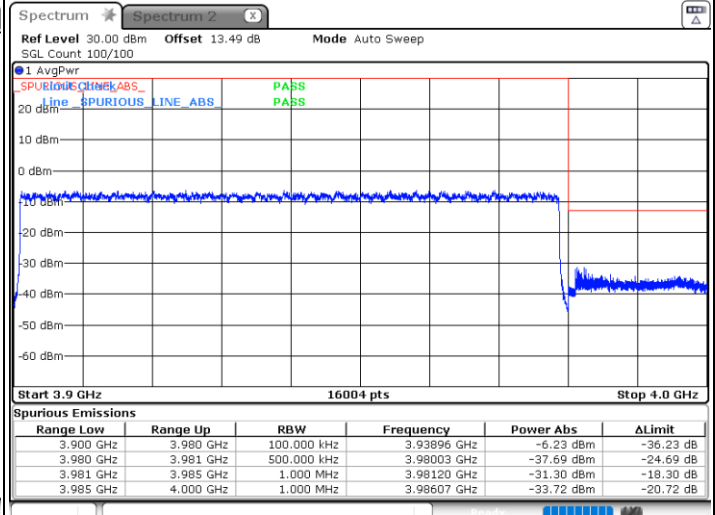
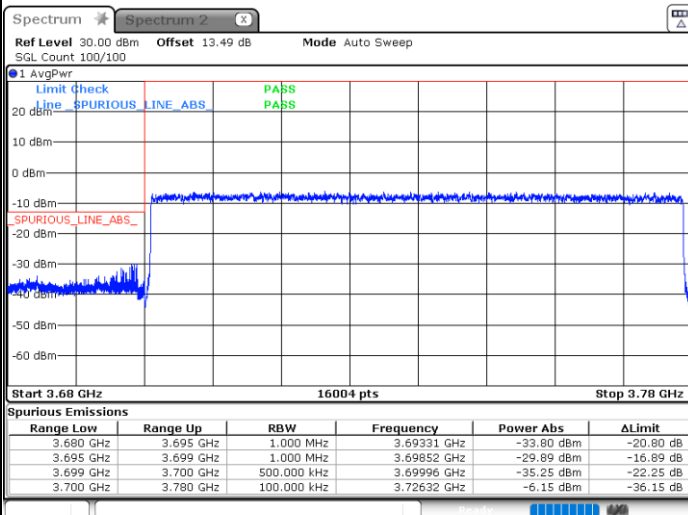
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

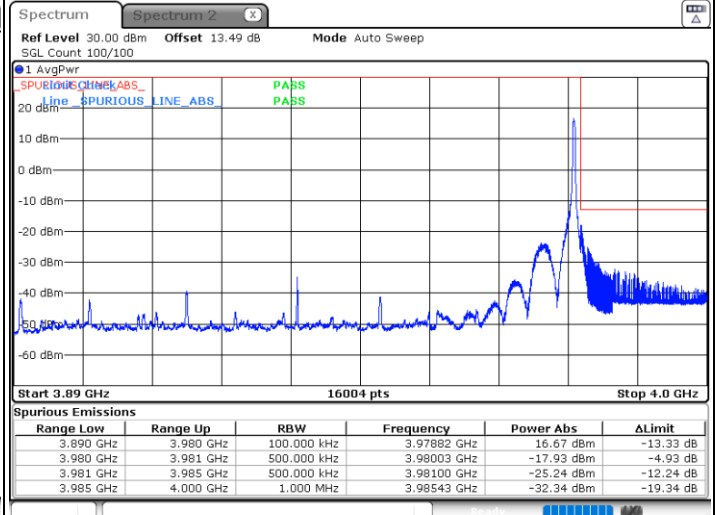
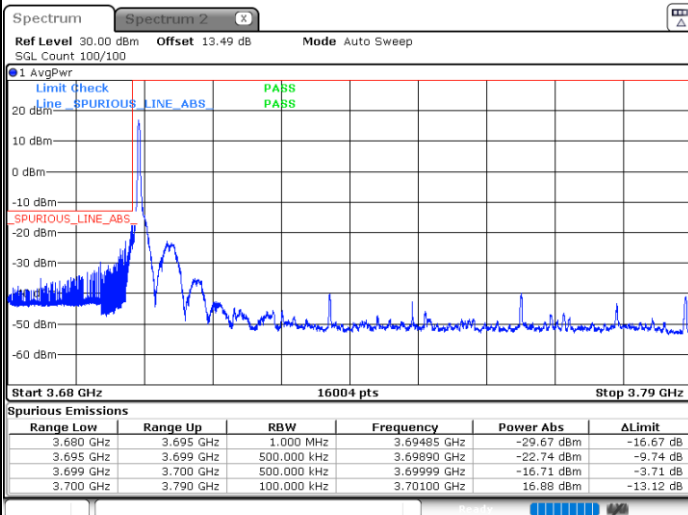




FR1 n77 / 90MHz / DFT-S OFDM / PI/2 BPSK

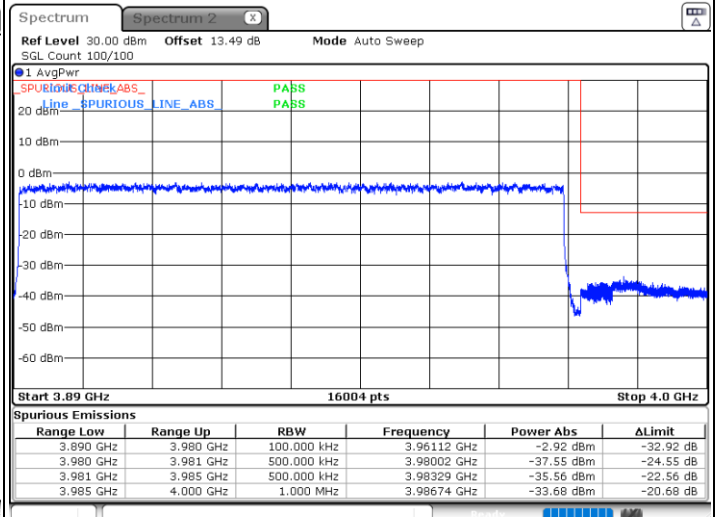
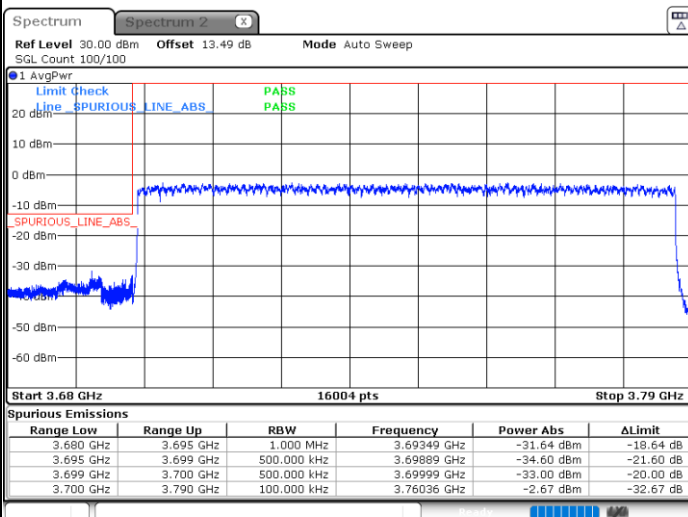
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

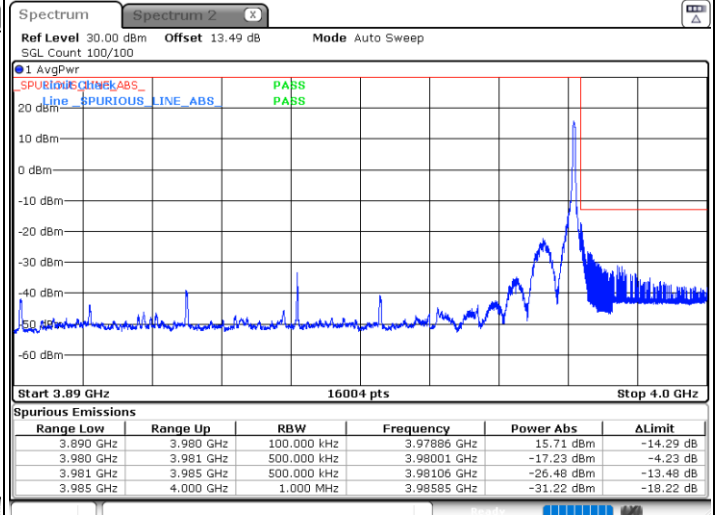
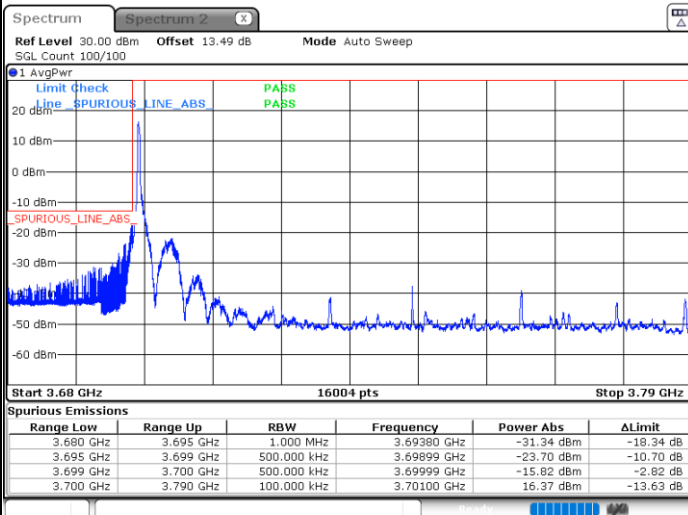




FR1 n77 / 90MHz / DFT-S OFDM / QPSK

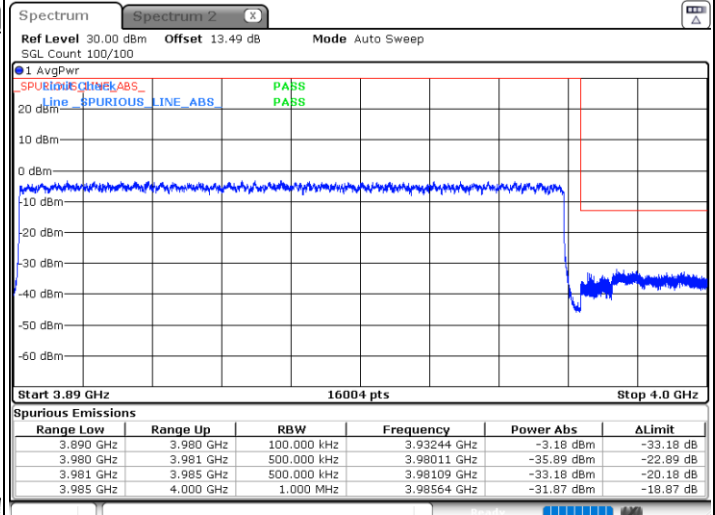
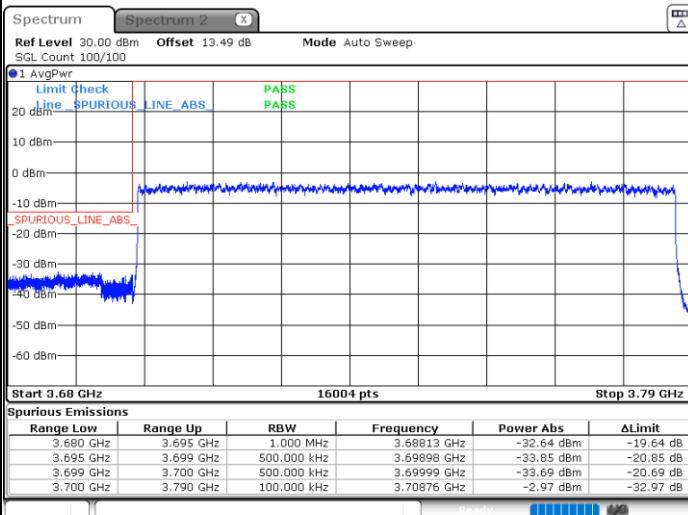
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

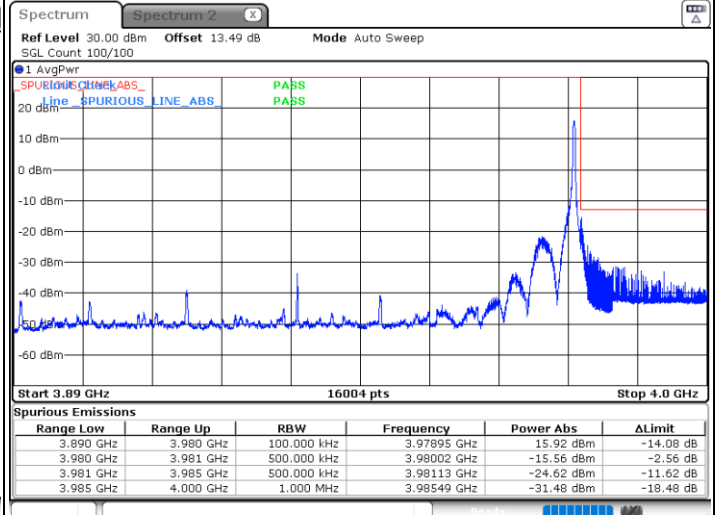
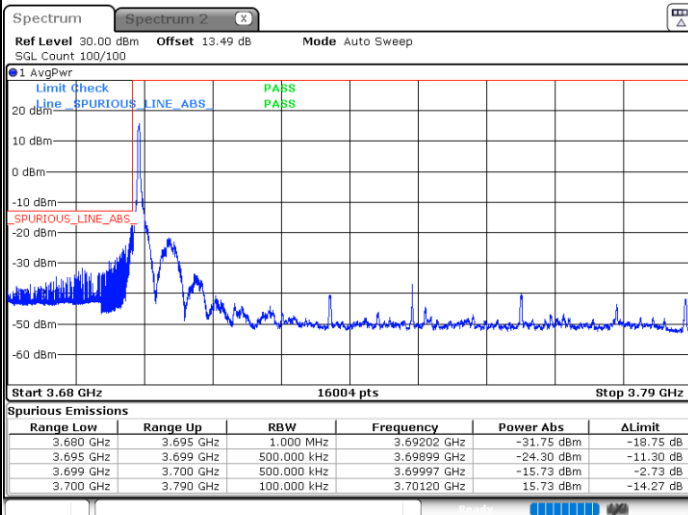




FR1 n77 / 90MHz / DFT-S OFDM / 16Q

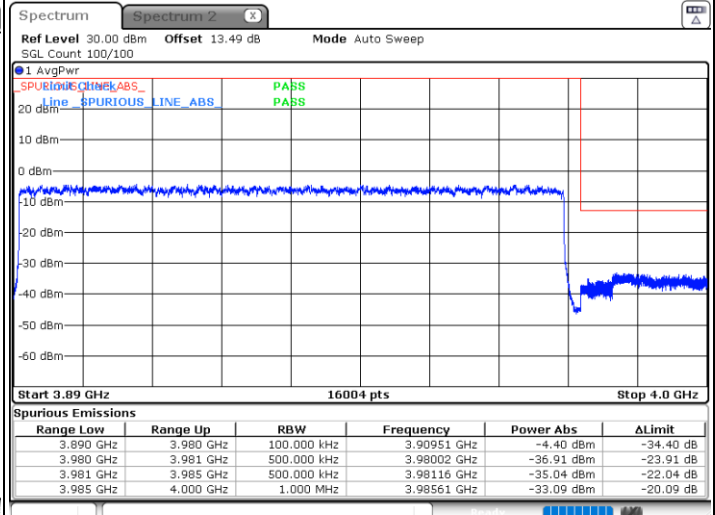
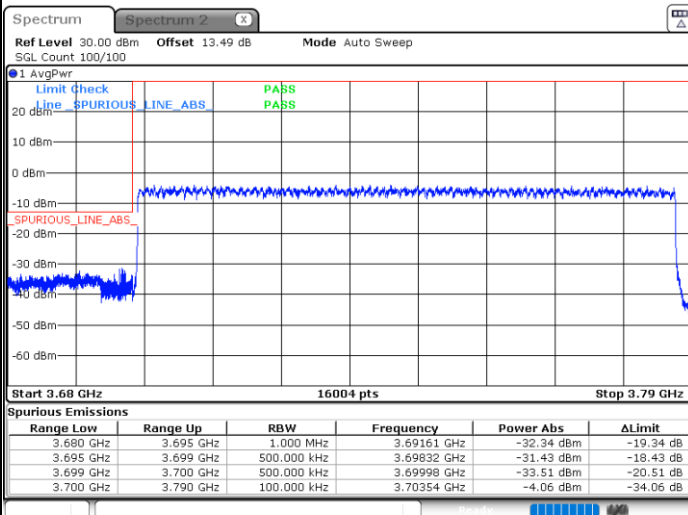
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

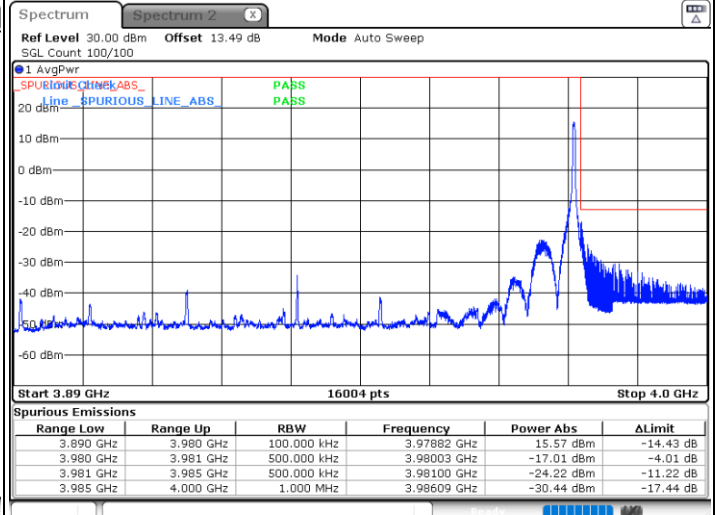
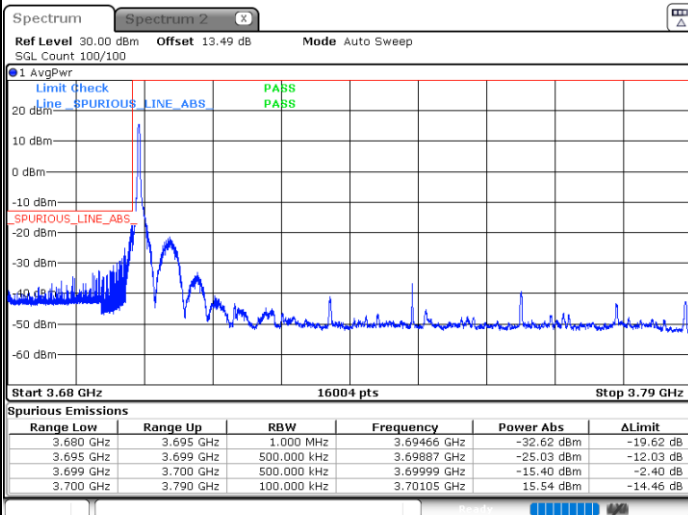




FR1 n77 / 90MHz / DFT-S OFDM / 64Q

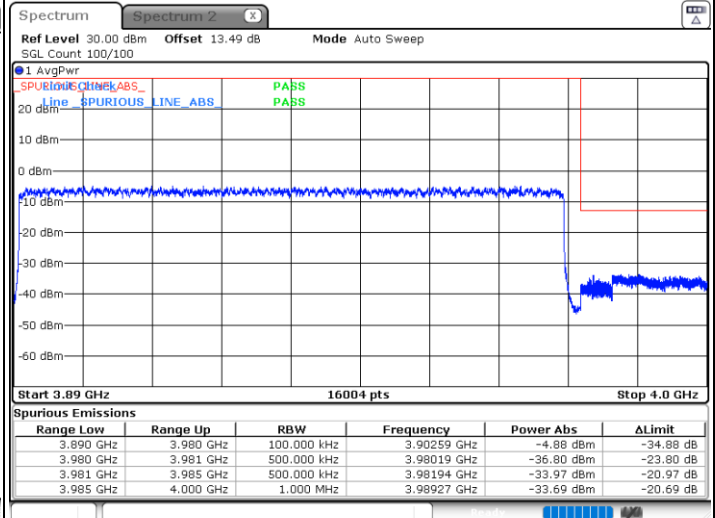
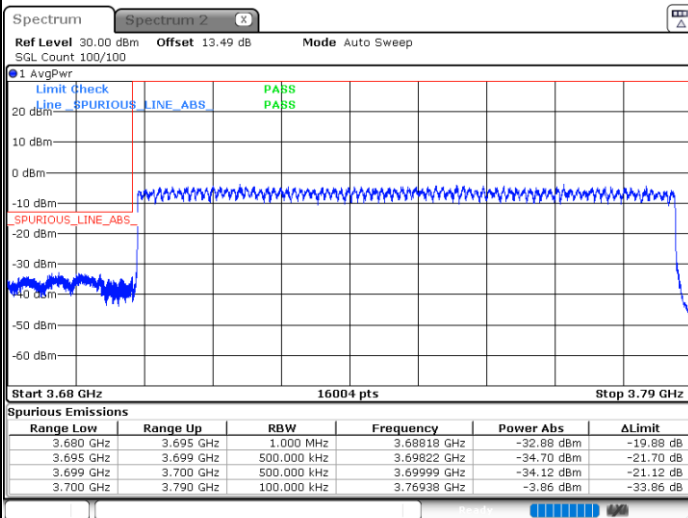
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

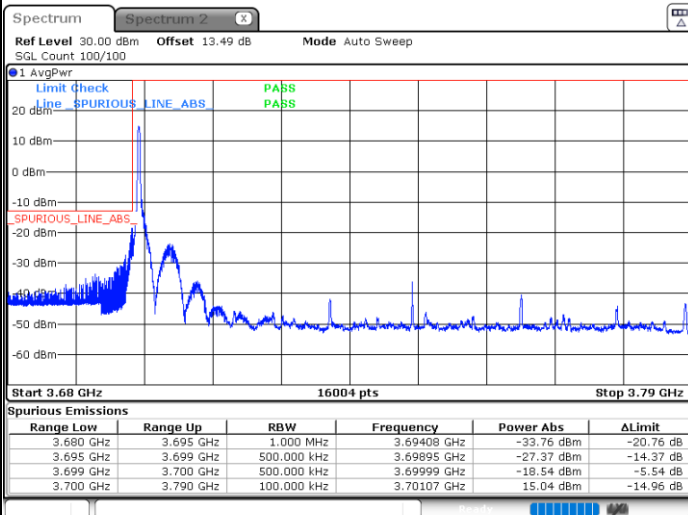




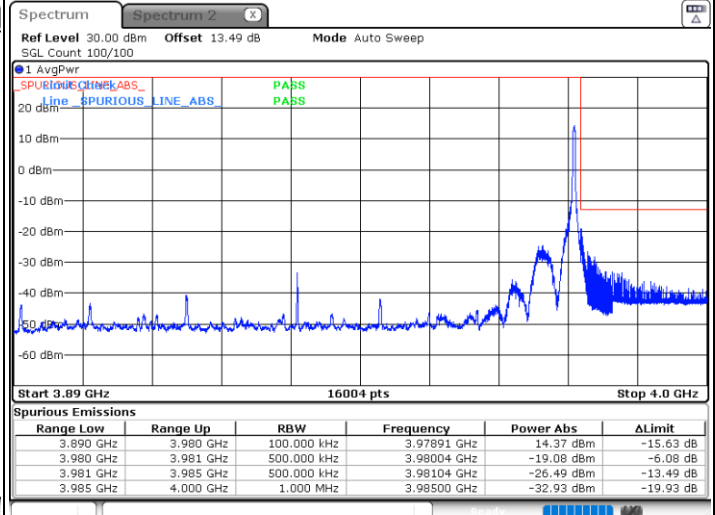
FR1 n77 / 90MHz / DFT-S OFDM / 256Q

Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



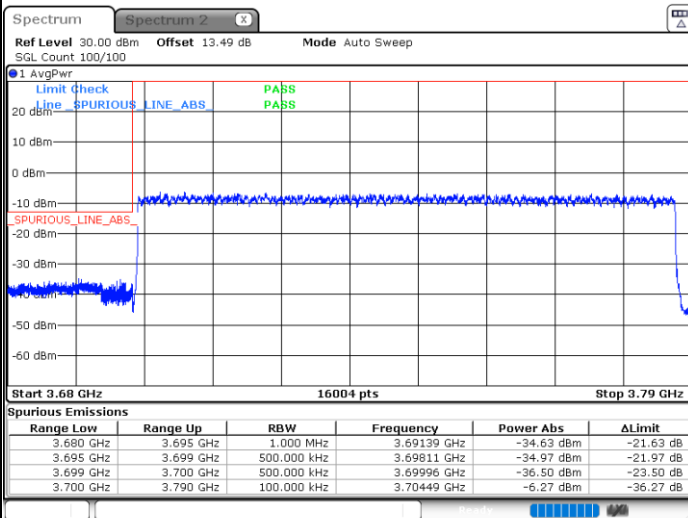
Date: 15.FEB.2022 14:32:55



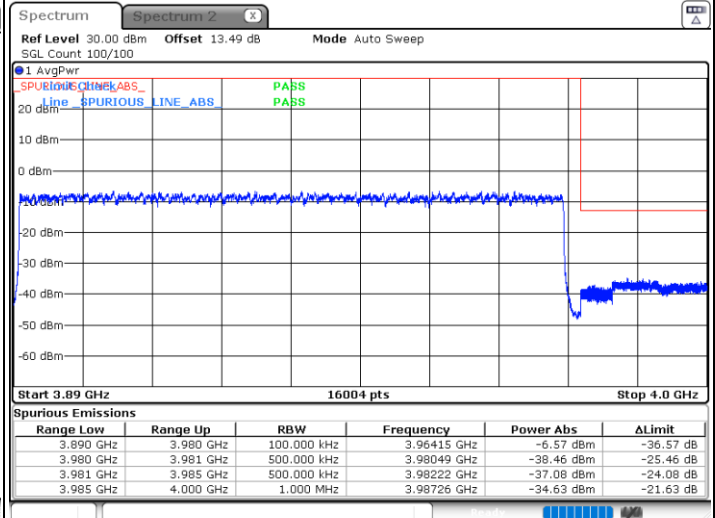
Date: 15.FEB.2022 15:16:29

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 15.FEB.2022 14:33:50



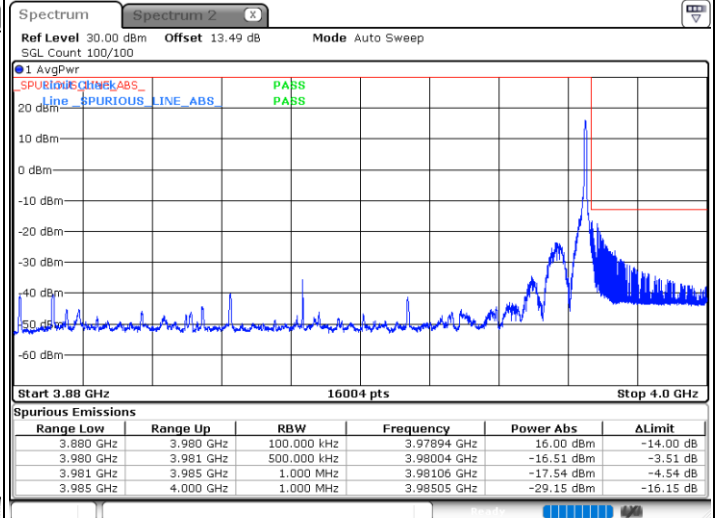
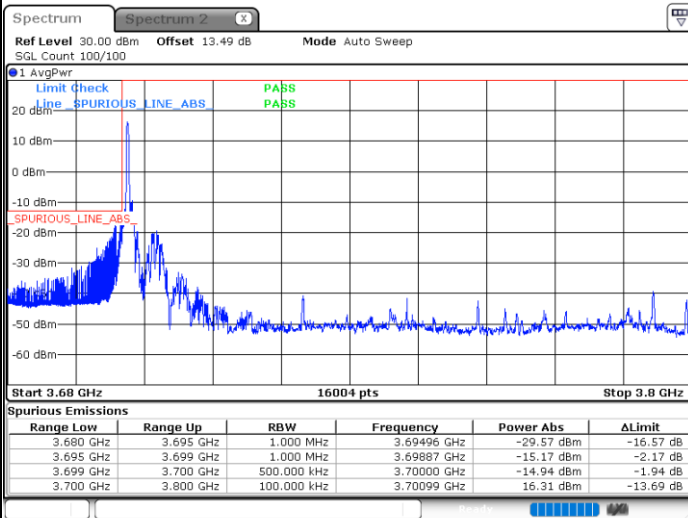
Date: 15.FEB.2022 15:14:53



FR1 n77 / 100MHz / DFT-S OFDM / BPSK

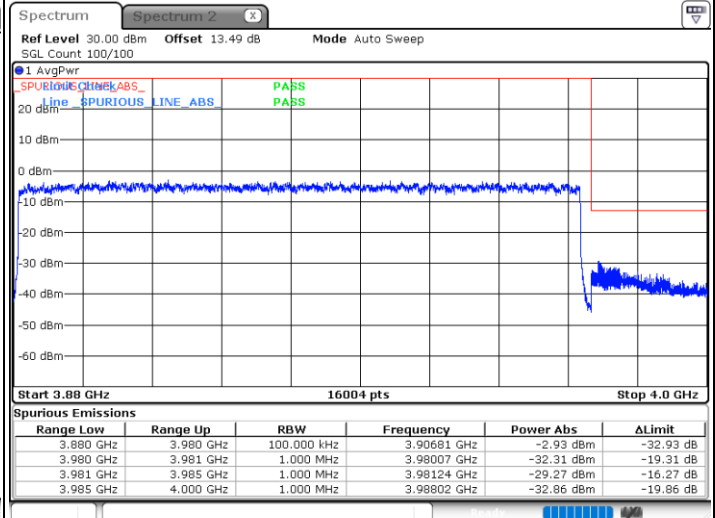
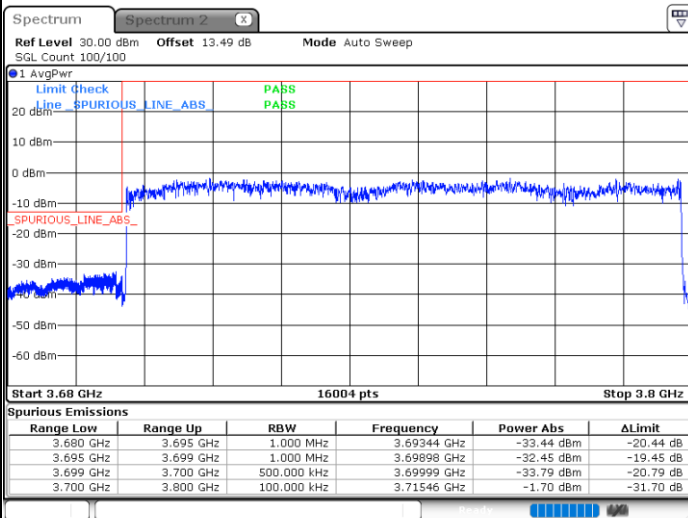
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

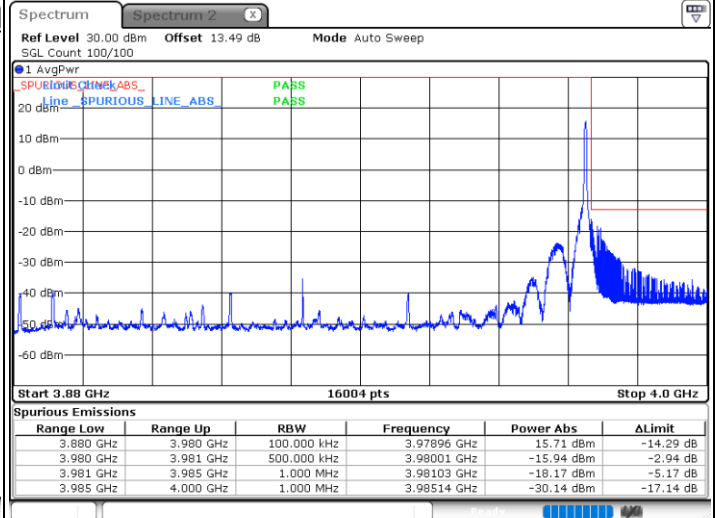
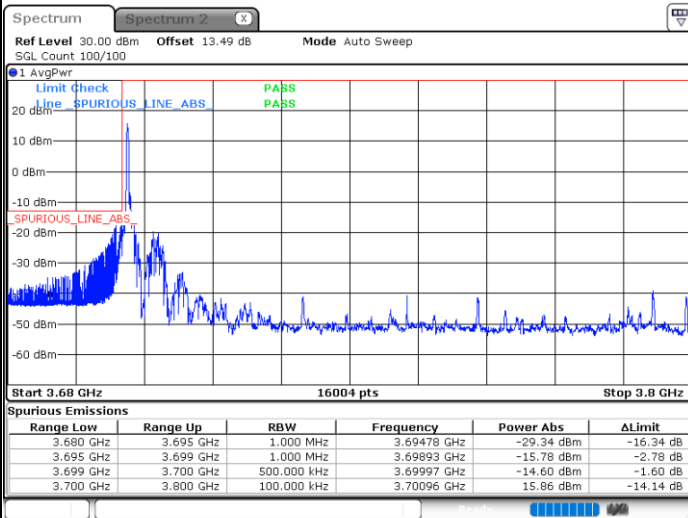




FR1 n77 / 100MHz / DFT-S OFDM / QPSK

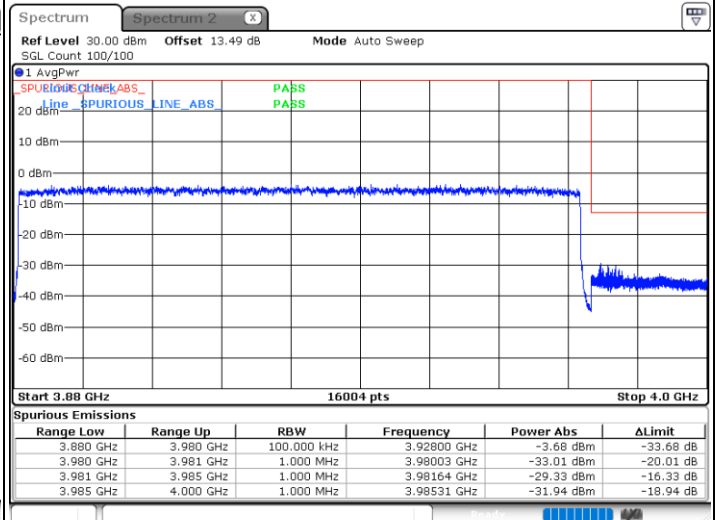
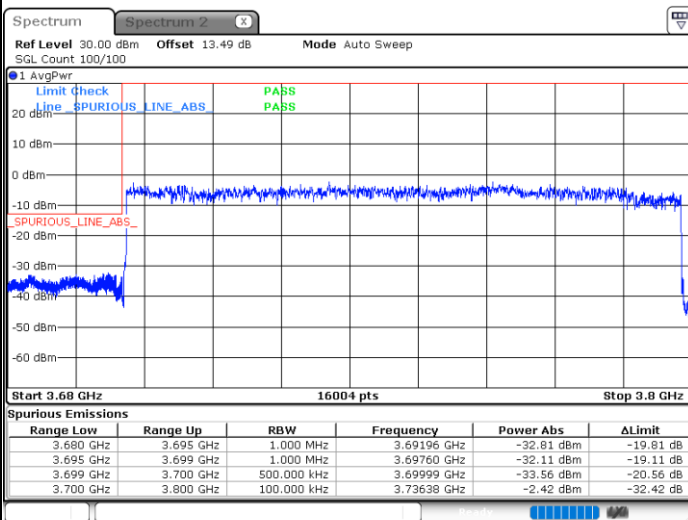
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

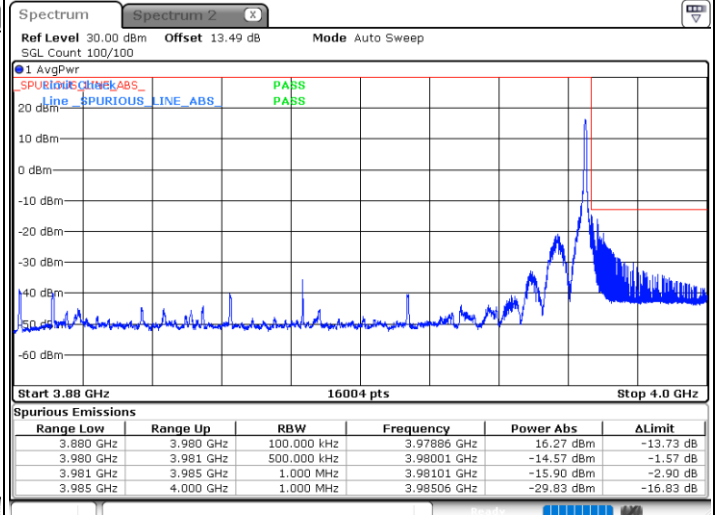
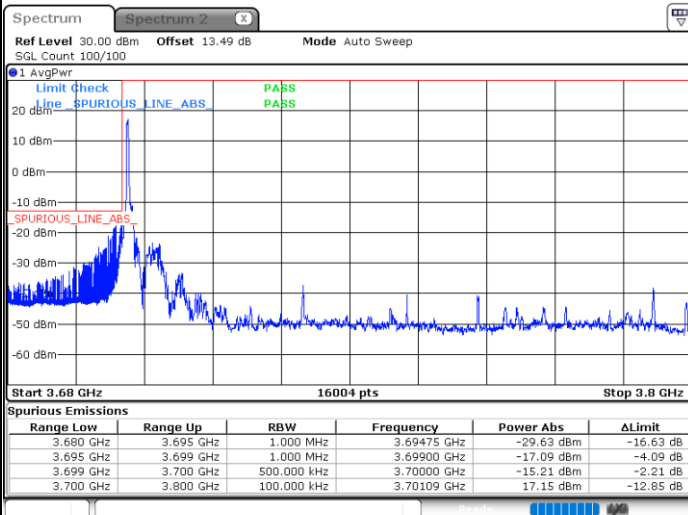




FR1 n77 / 100MHz / DFT-S OFDM / 16Q

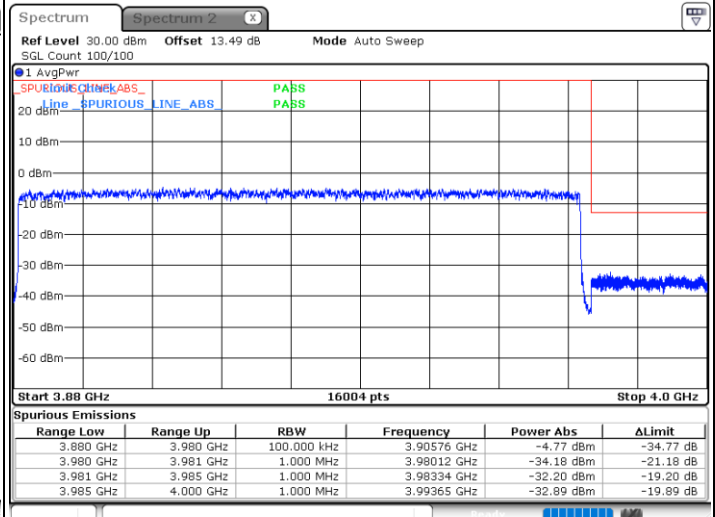
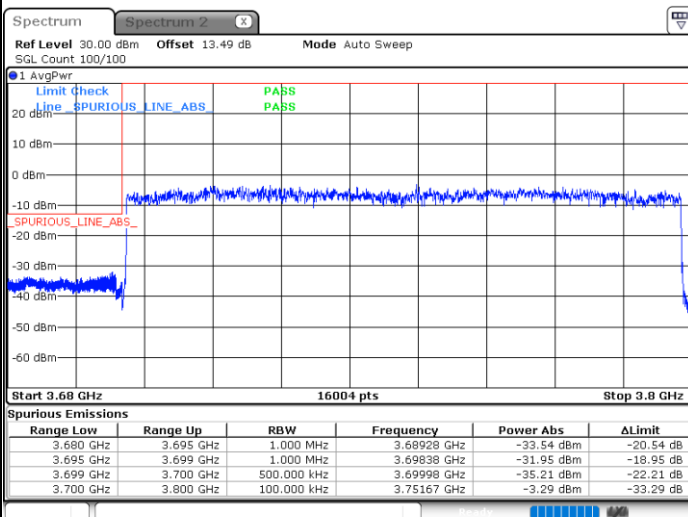
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

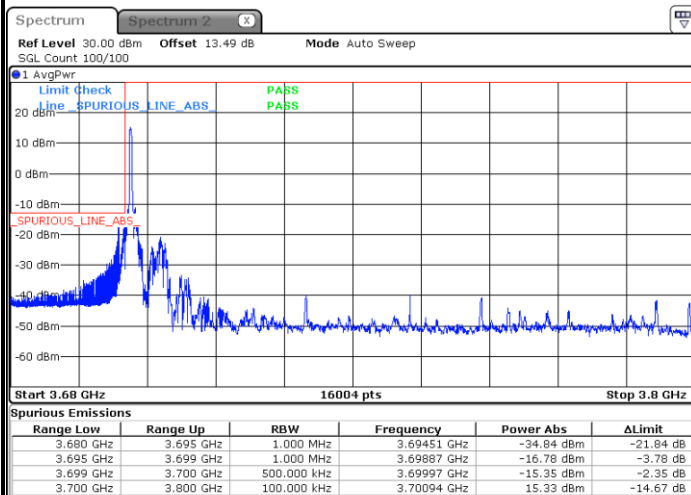
Highest Band Edge / Full RB



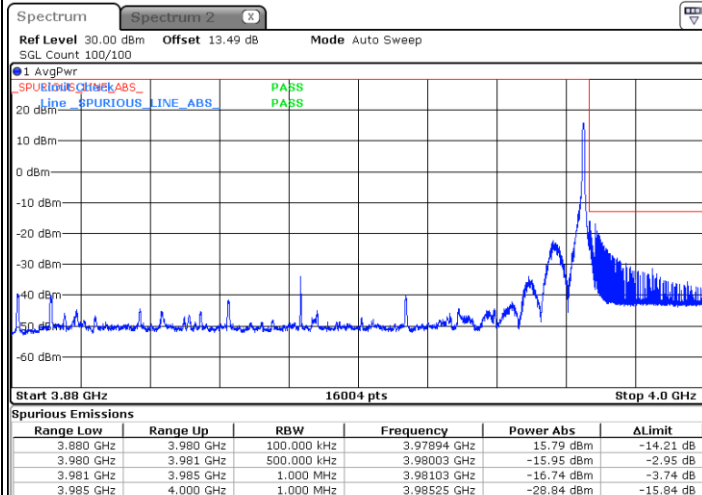


FR1 n77 / 100MHz / DFT-S OFDM / 64Q

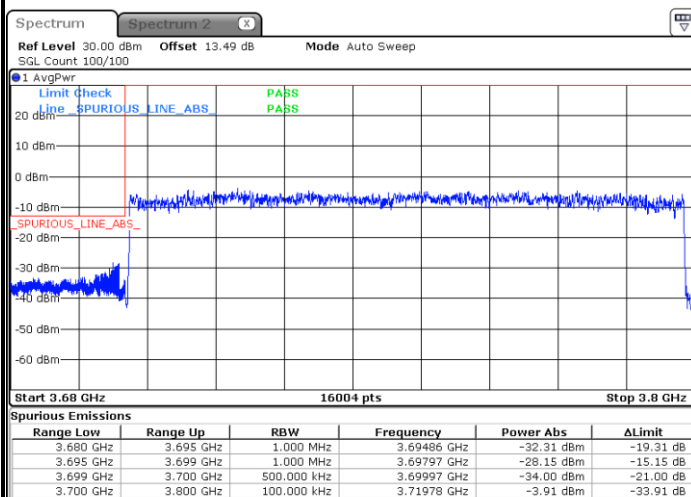
Lowest Band Edge / 1RB0



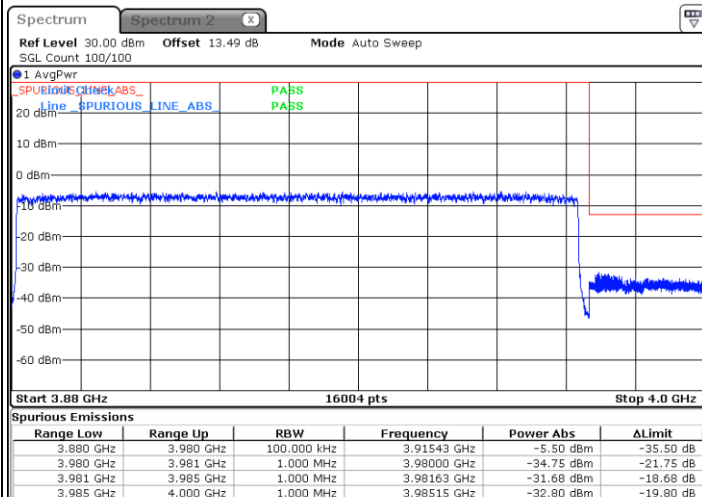
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

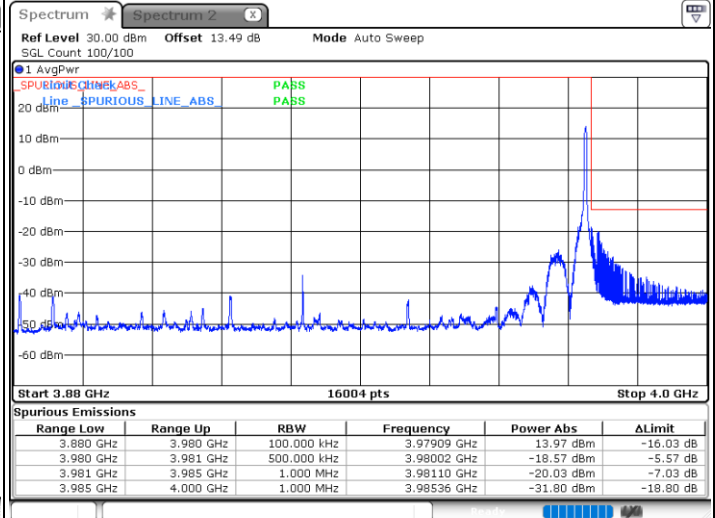
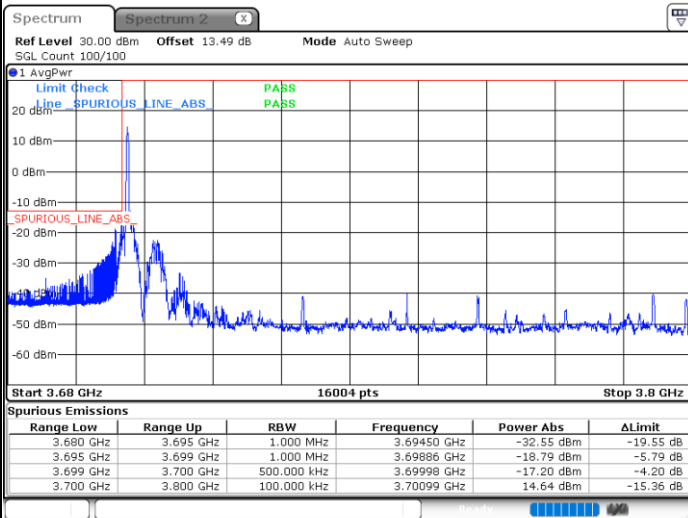




FR1 n77 /100MHz / DFT-S OFDM / 256Q

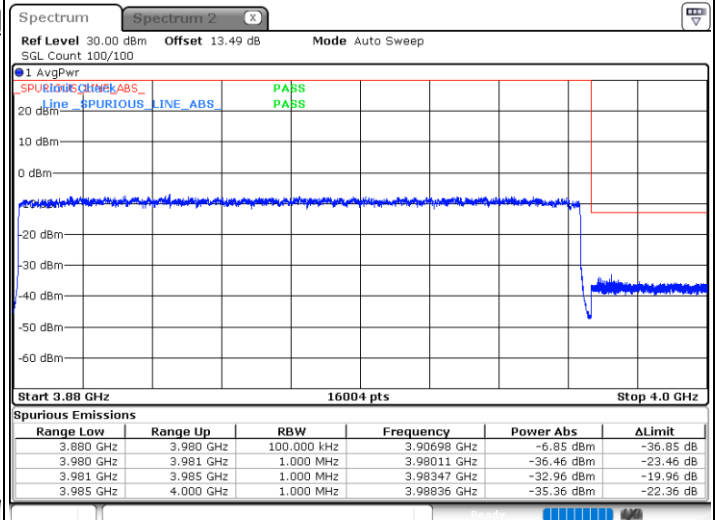
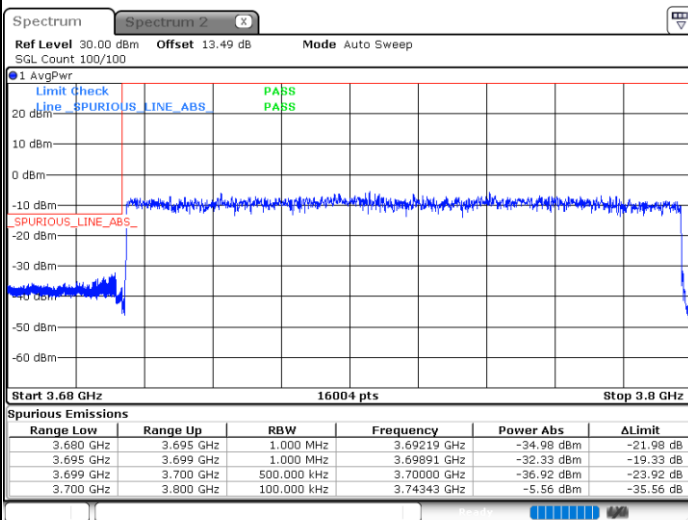
Lowest Band Edge / 1RB0

Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

Highest Band Edge / Full RB

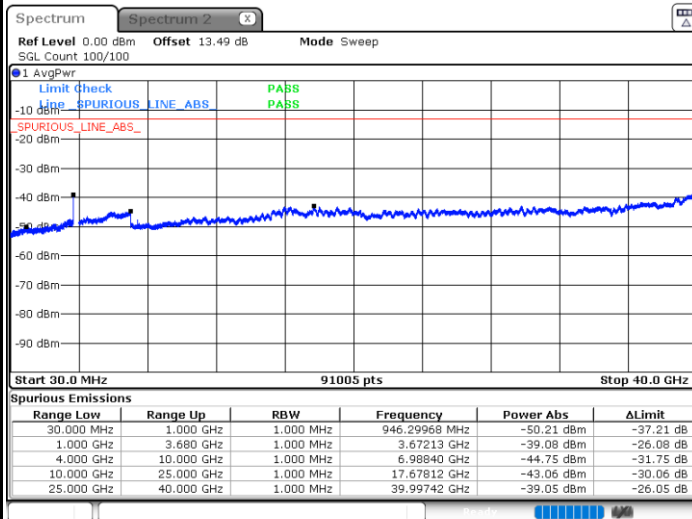




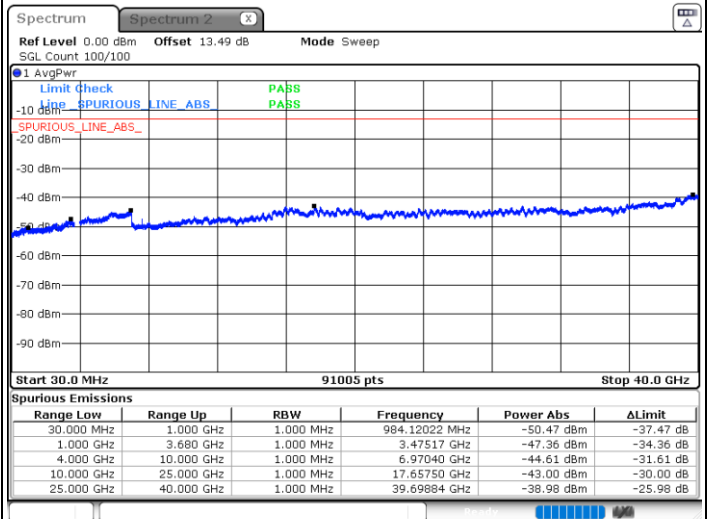
Conducted Spurious Emission

FR1 n77 / 60MHz / DFT-S OFDM / QPSK

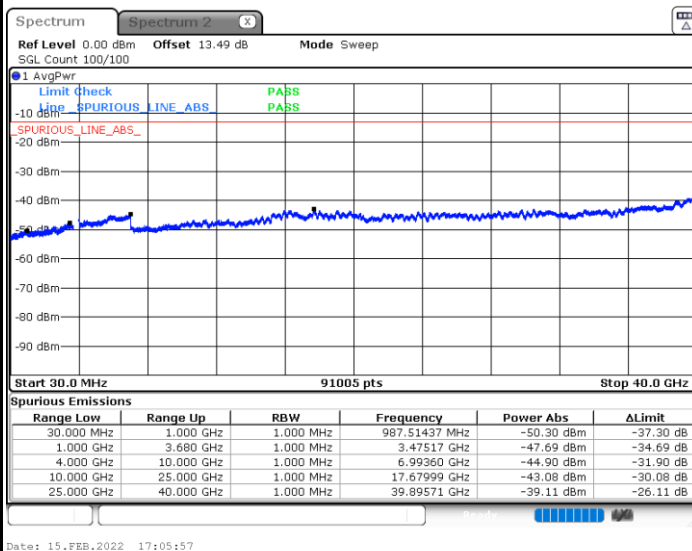
Lowest Channel / 1RB1



Middle Channel / 1RB1



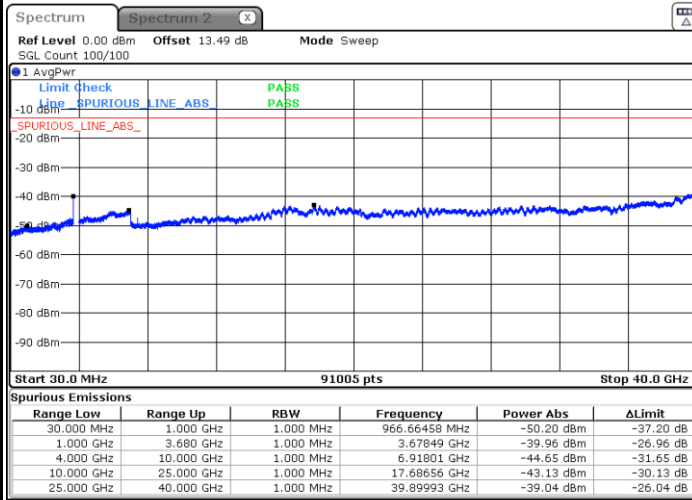
Highest Channel / 1RB1





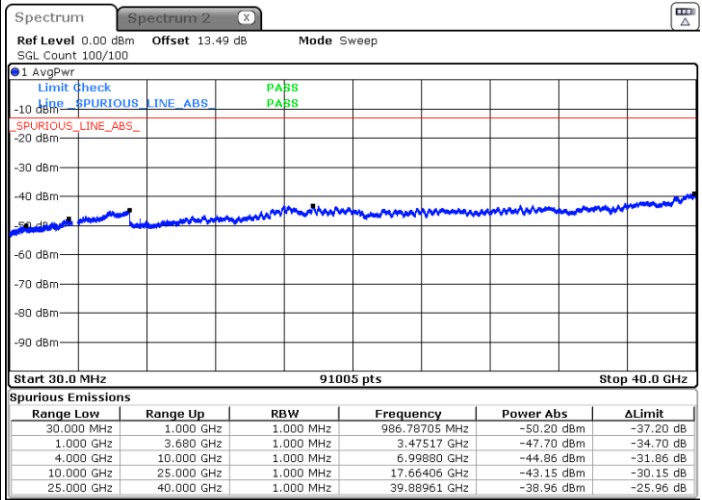
FR1 n77 / 80MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



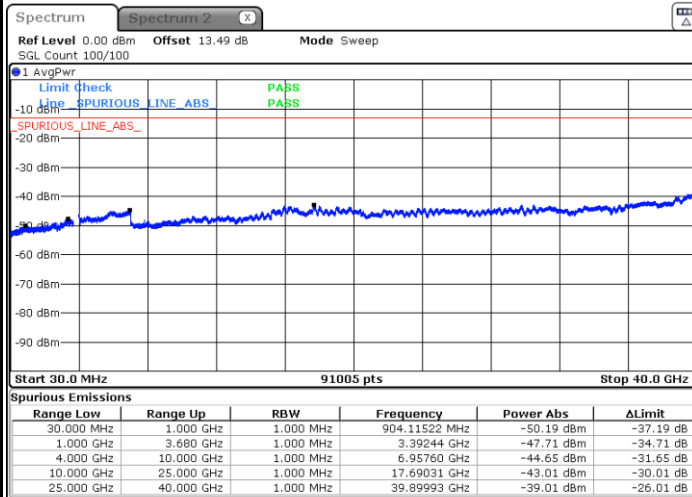
Date: 15.FEB.2022 15:32:39

Middle Channel / 1RB1



Date: 15.FEB.2022 15:30:56

Highest Channel / 1RB1

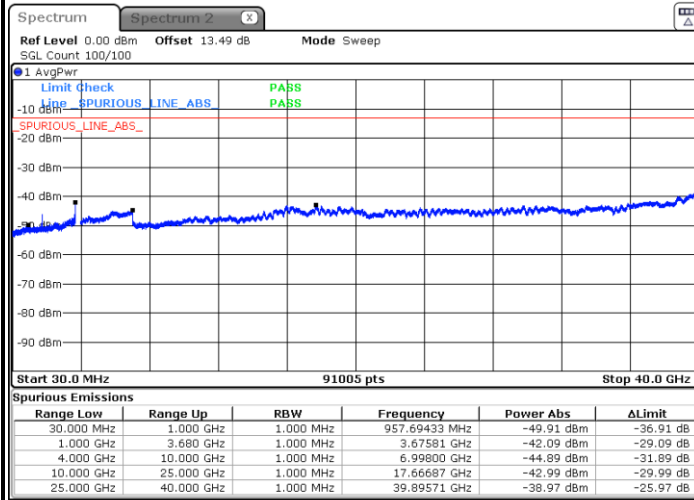


Date: 15.FEB.2022 16:34:09



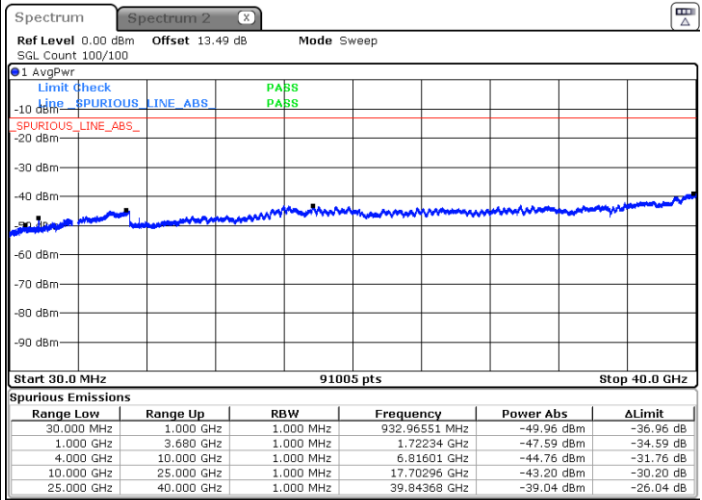
FR1 n77 / 90MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



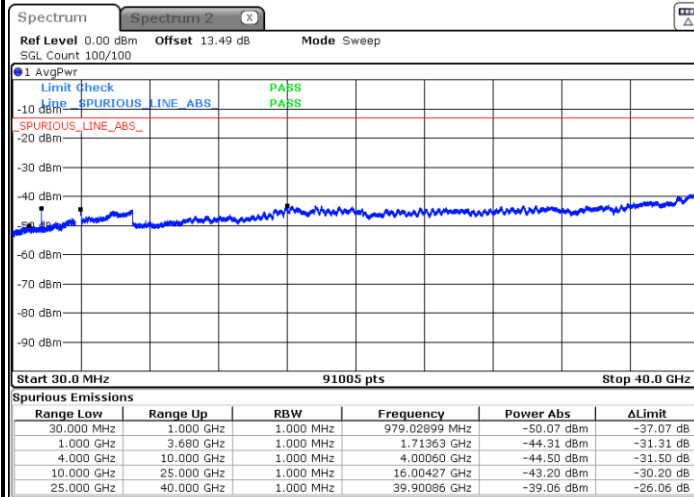
Date: 15.FEB.2022 15:28:40

Middle Channel / 1RB1



Date: 15.FEB.2022 15:26:54

Highest Channel / 1RB1

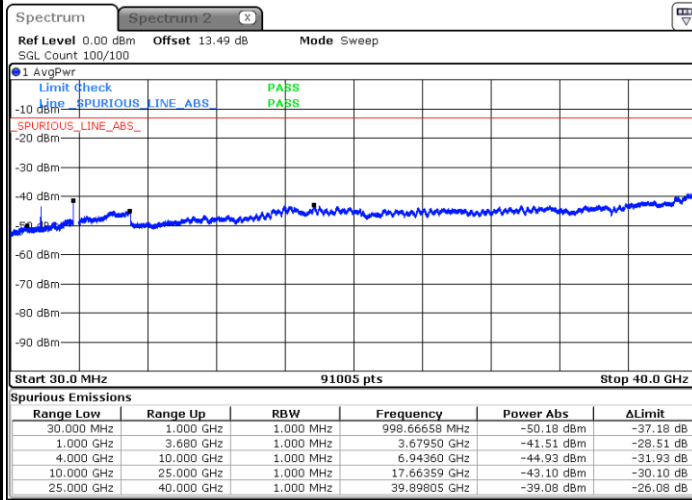


Date: 15.FEB.2022 15:25:01



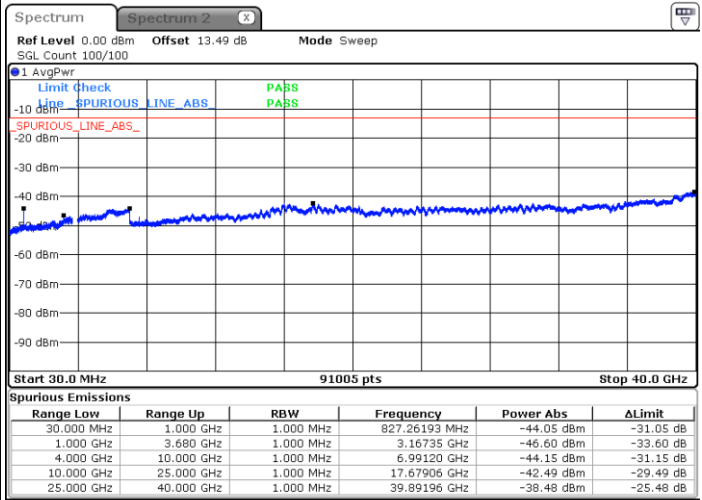
FR1 n77 / 100MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1



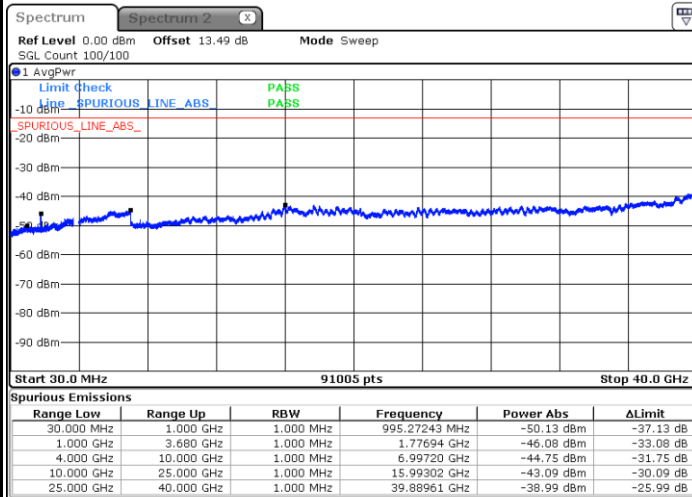
Date: 15.FEB.2022 14:00:41

Middle Channel / 1RB1



Date: 16.FEB.2022 09:48:06

Highest Channel / 1RB1



Date: 15.FEB.2022 13:58:36

**Frequency Stability**

Test Conditions		FR1 n41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 100MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0032	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0027	
0	Normal Voltage	0.0051	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0033	
20	Normal Voltage	0.0041	
20	Battery End Point	0.0045	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Chris Chen	Temperature :	22~23°C
		Relative Humidity :	41~42%

Note: Pre-scanned harmonic for testing, we choose the worst antenna mode to test.

SA n77 / 100MHz / QPSK / ANT3								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7584	-52.62	-13	-39.62	-63.10	2.76	13.24	H
	11376	-48.20	-13	-35.20	-57.79	3.42	13.01	H
	15168	-59.33	-13	-46.33	-68.94	3.83	13.44	H
	7584	-54.11	-13	-41.11	-64.55	2.80	13.24	V
	11376	-47.05	-13	-34.05	-56.60	3.46	13.01	V
	15168	-56.49	-13	-43.49	-66.05	3.88	13.44	V

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

EN-DC_41A_n77A / LTE 10MHz + NR 100MHz / QPSK / ANT2(LTE) & ANT3(NR)								
Channel	Frequency (MHz)	ERP/EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	7584	-53.20	-13	-40.20	-63.68	2.76	13.24	H
	11376	-49.23	-13	-36.23	-58.82	3.42	13.01	H
	15168	-57.73	-13	-44.73	-67.34	3.83	13.44	H
	7584	-57.60	-13	-44.60	-68.04	2.80	13.24	V
	11376	-53.02	-13	-40.02	-62.57	3.46	13.01	V
	15168	-57.72	-13	-44.72	-67.28	3.88	13.44	V

Remark:

1. Spurious emissions within 30-1000MHz were found more than 20dB below limit line.
2. For NSA mode of RSE testing, we only choose the combination of the maximum power among all NSA combinations to test.