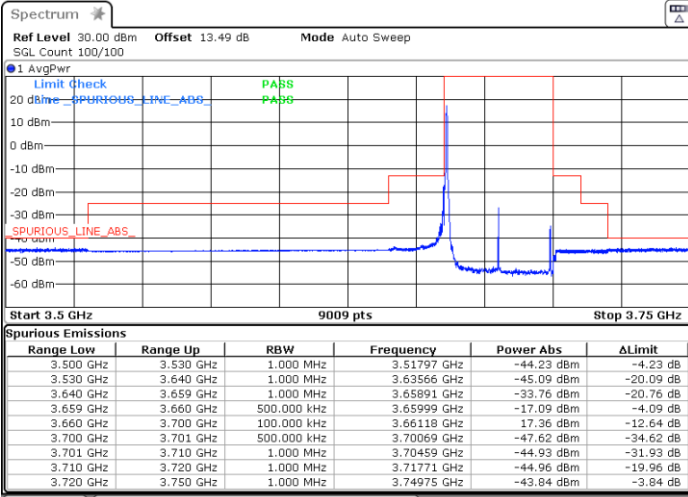




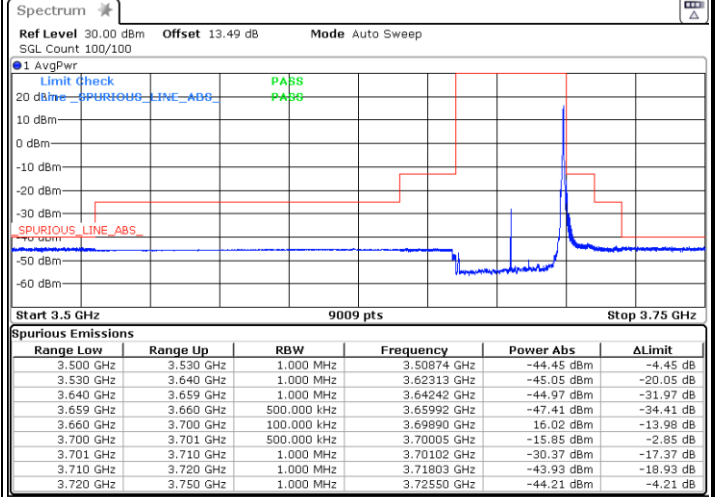
FR1 Part 96 N48/ 40MHz / DFT-S OFDM / BPSK

Highest Band Edge / 1RB0

Highest Band Edge / 1RBmax

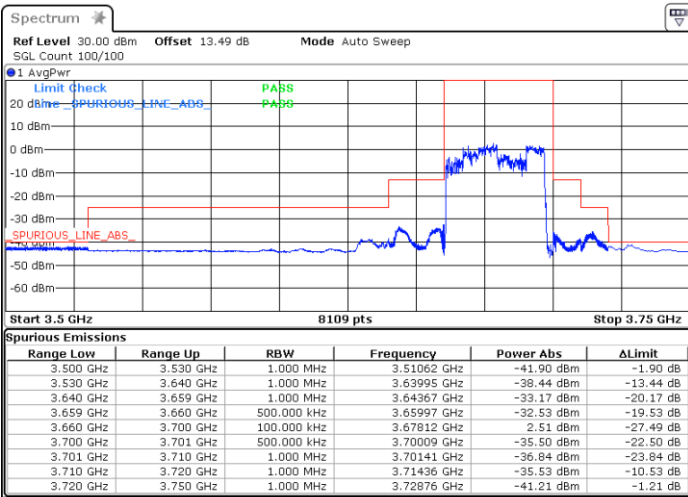


Date: 26 JUN 2022 02:36:52



Date: 26 JUN 2022 02:39:57

Highest Band Edge / Full RB



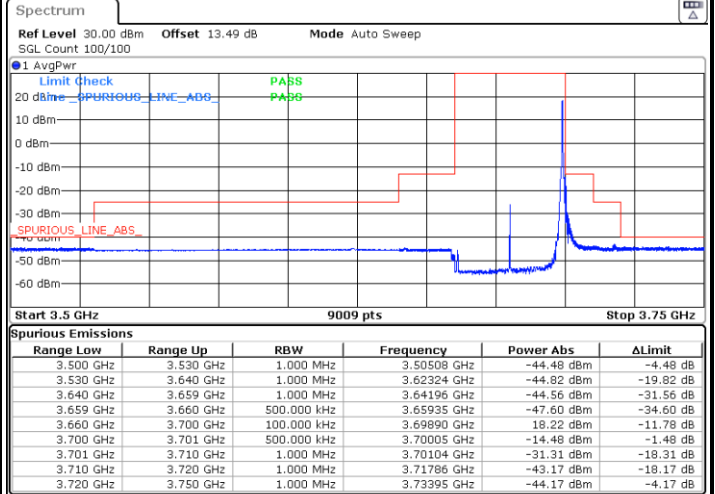
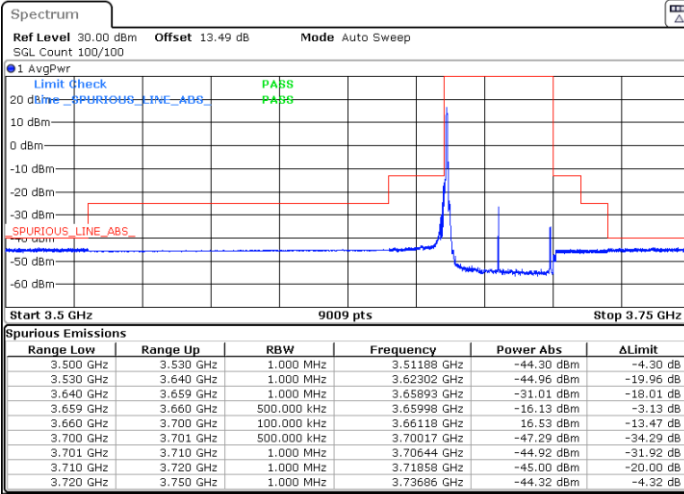
Date: 30 JUN 2022 04:05:52



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

Highest Band Edge / 1RB0

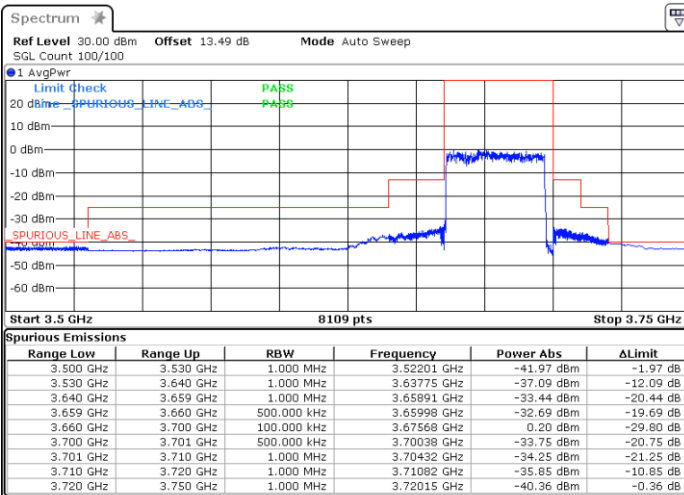
Highest Band Edge / 1RBmax



Date: 26 JUN 2022 02:38:13

Date: 26 JUN 2022 02:38:43

Highest Band Edge / Full RB



Date: 30 JUN 2022 04:08:41

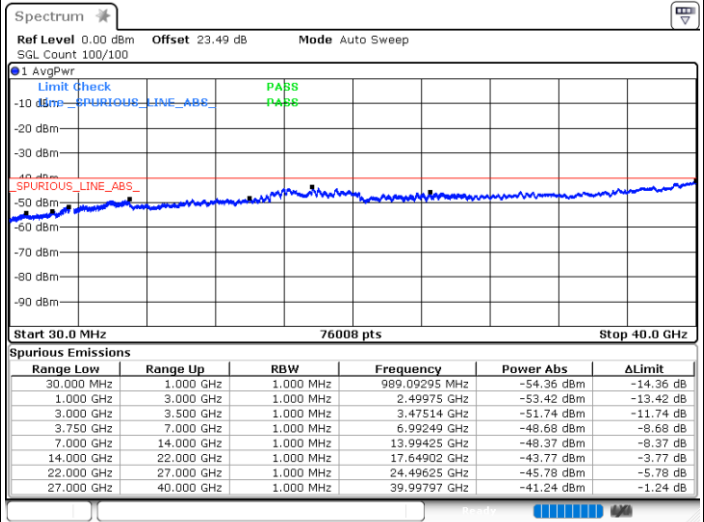
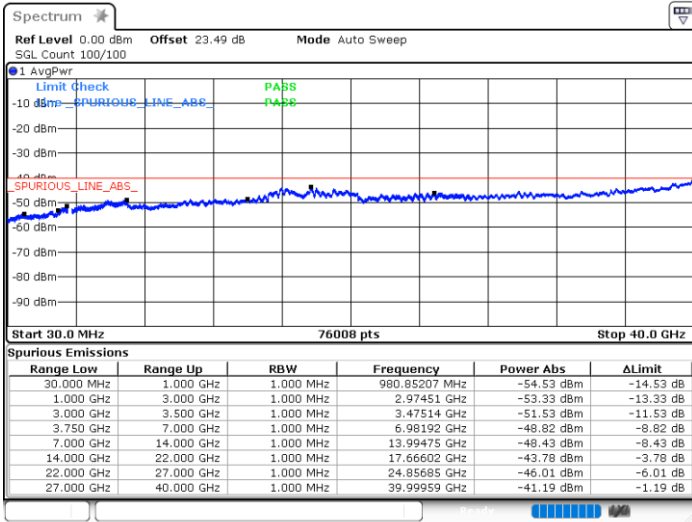


Conducted Spurious Emission

FR1 Part 96 N48 / 10MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

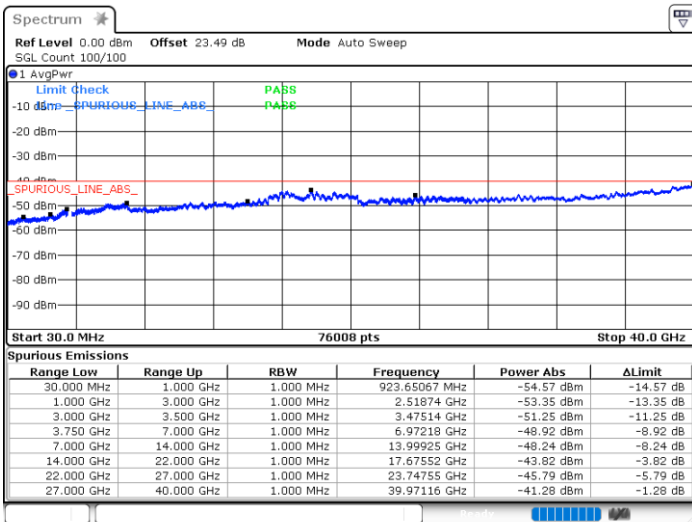
Middle Channel / 1RB1



Date: 23.JUN.2022 05:09:07

Date: 23.JUN.2022 05:02:19

Highest Channel / 1RB1



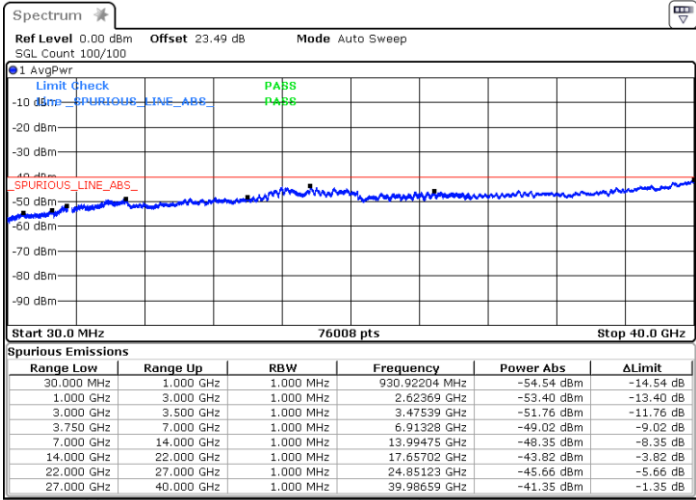
Date: 23.JUN.2022 05:15:10



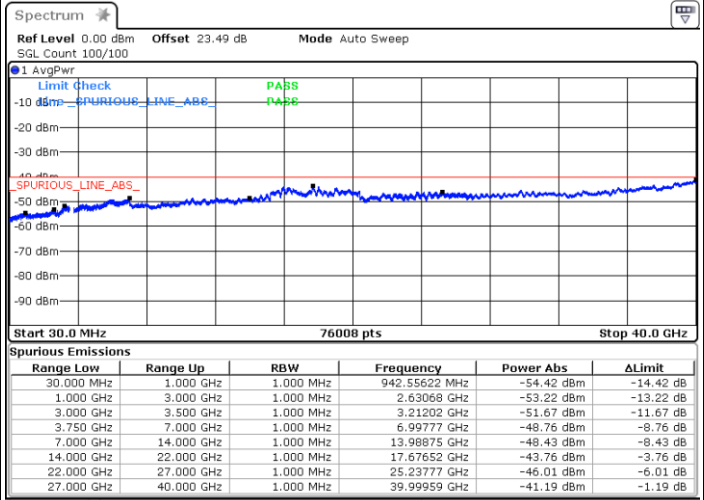
FR1 Part 96 N48 / 10MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

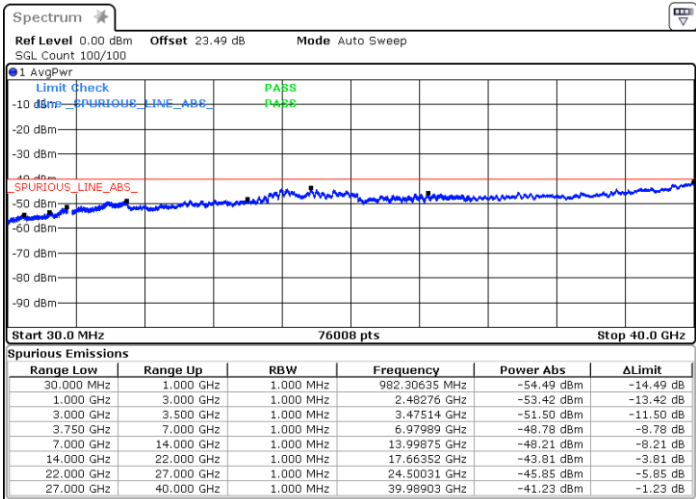


Date: 23.JUN.2022 05:12:20



Date: 23.JUN.2022 05:07:07

Highest Channel / 1RB1



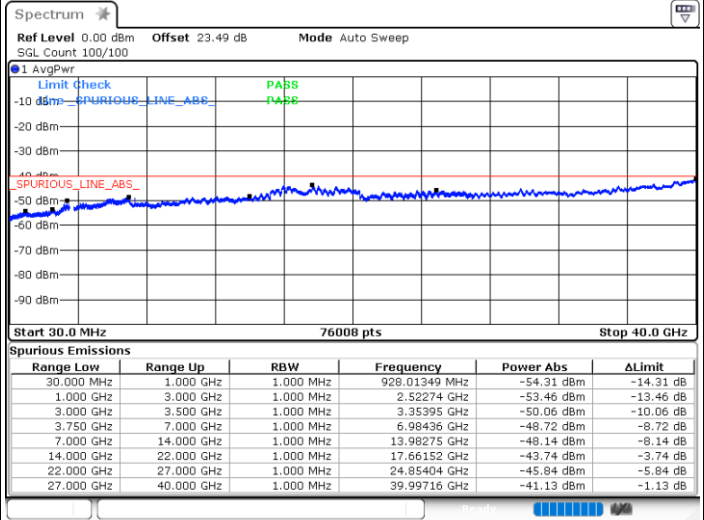
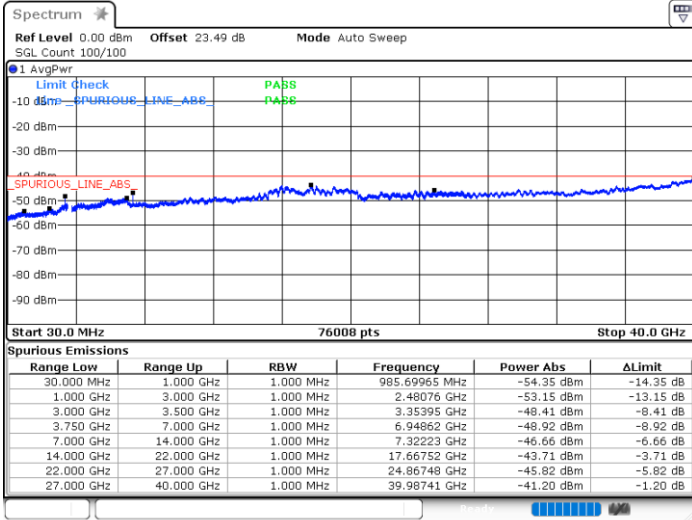
Date: 23.JUN.2022 05:16:55



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

Lowest Channel / 1RB1

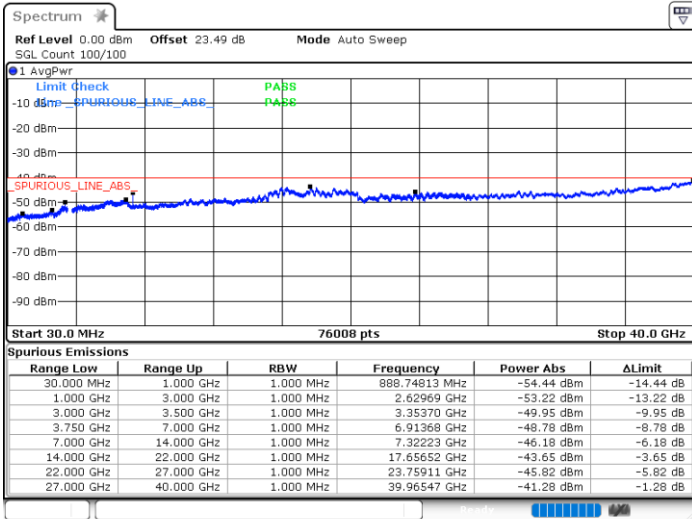
Middle Channel / 1RB1



Date: 30 JUN.2022 13:49:56

Date: 30 JUN.2022 13:51:33

Highest Channel / 1RB1



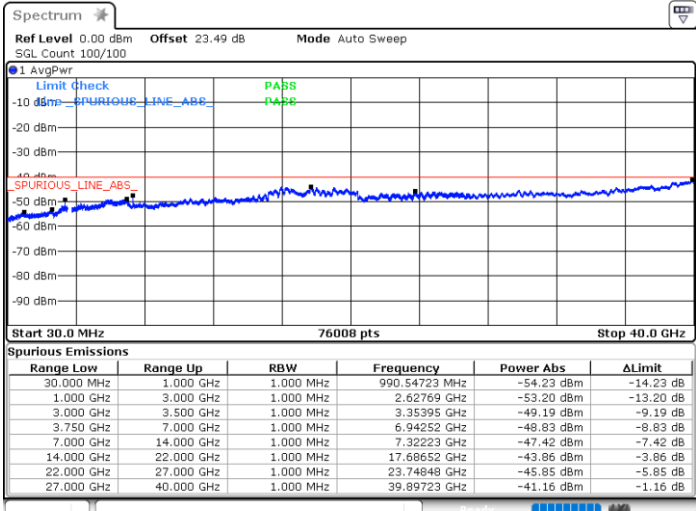
Date: 30 JUN.2022 13:56:03



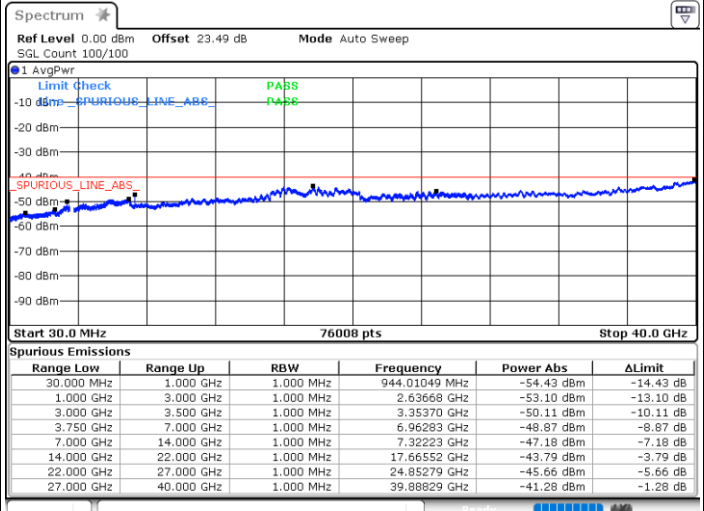
FR1 Part 96 N48 / 20MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

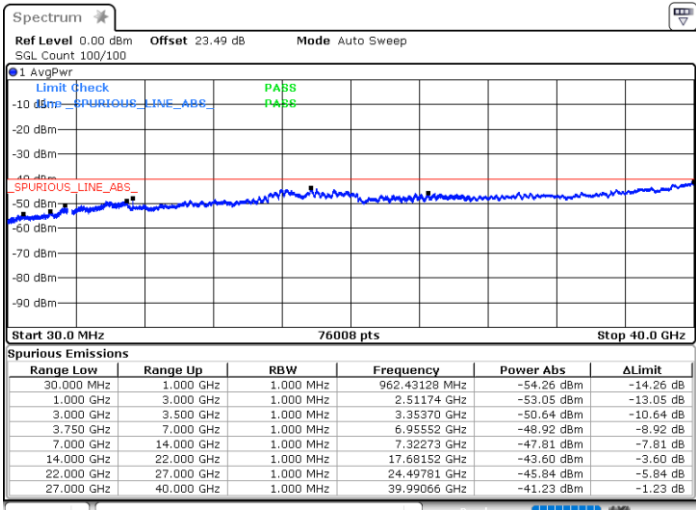


Date: 30 JUN.2022 13:48:30



Date: 30 JUN.2022 13:53:05

Highest Channel / 1RB1



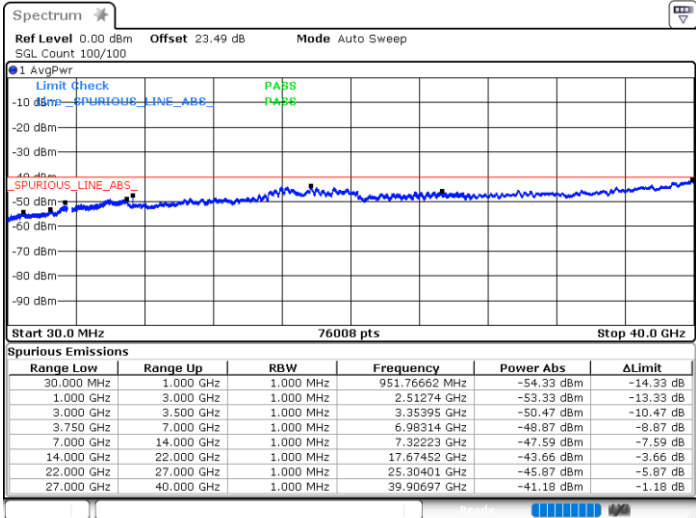
Date: 30 JUN.2022 13:54:35



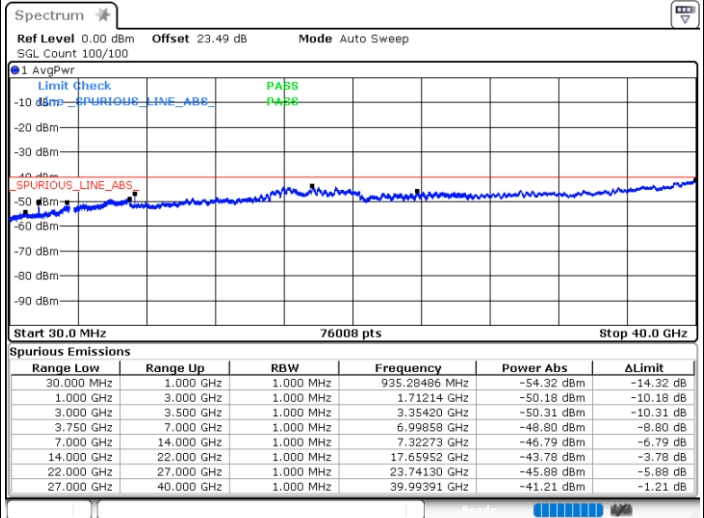
FR1 Part 96 N48 / 40MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

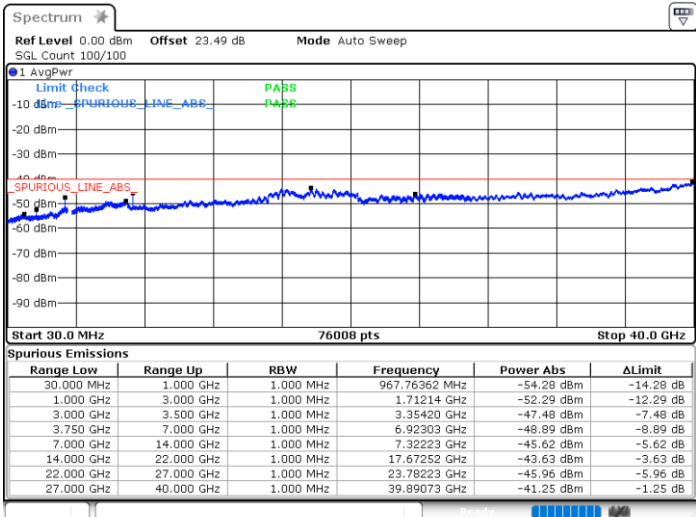


Date: 30 JUN.2022 13:57:32



Date: 30 JUN.2022 14:02:45

Highest Channel / 1RB1



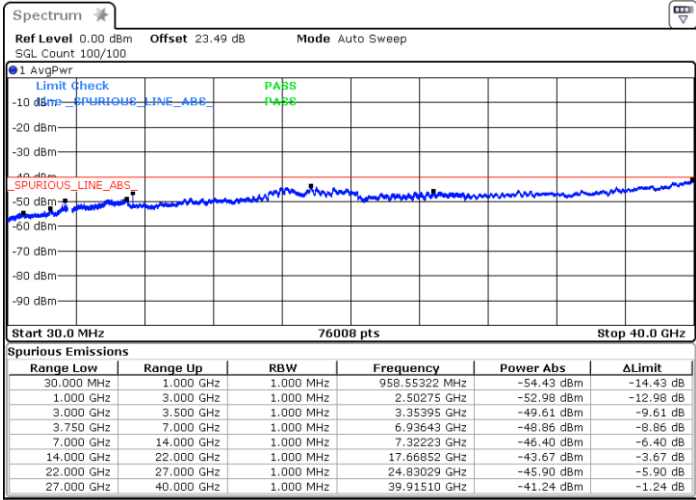
Date: 30 JUN.2022 14:04:46



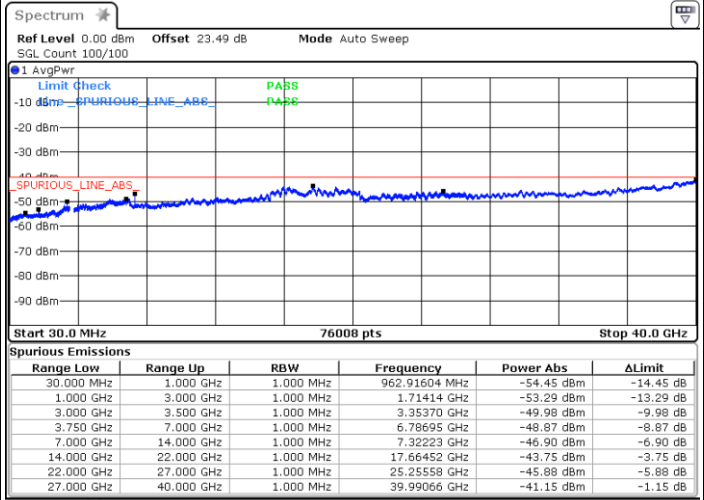
FR1 Part 96 N48 / 40MHz / DFT-S OFDM / QPSK

Lowest Channel / 1RB1

Middle Channel / 1RB1

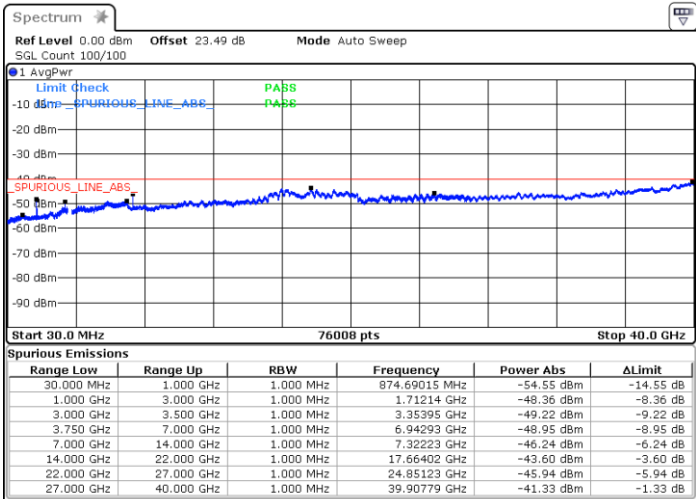


Date: 30 JUN.2022 13:59:02



Date: 30 JUN.2022 14:01:07

Highest Channel / 1RB1



Date: 30 JUN.2022 14:07:05



Frequency Stability

Test Conditions		FR1 n48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	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 =3.87 V. ; Battery End Point (BEP) =3.55 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 :	Carry Xu	Temperature :	23~25°C
		Relative Humidity :	41~42%

n48 SA / NR 40MHz / QPSK / ANT3(NR)								
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)
Lowest	7104	-45.39	-40	-5.39	-56.85	2.84	14.30	H
	10656	-56.26	-40	-16.26	-66.20	3.49	13.43	H
	14208	-50.90	-40	-10.90	-61.14	3.85	14.09	H
	17760	-43.38	-40	-3.38	-52.71	4.40	13.73	H
	7104	-52.79	-40	-12.79	-64.25	2.84	14.30	V
	10656	-56.63	-40	-16.63	-66.57	3.49	13.43	V
	14208	-52.08	-40	-12.08	-62.32	3.85	14.09	V
	17760	-45.34	-40	-5.34	-54.67	4.40	13.73	V
Middle	7216	-45.76	-40	-5.76	-57.22	2.84	14.30	H
	10825	-59.05	-40	-19.05	-68.99	3.49	13.43	H
	14435	-47.19	-40	-7.19	-57.43	3.85	14.09	H
	18040	-48.47	-40	-8.47	-57.80	4.40	13.73	H
	7216	-53.89	-40	-13.89	-65.35	2.84	14.30	V
	10825	-57.21	-40	-17.21	-67.15	3.49	13.43	V
	14435	-56.92	-40	-16.92	-67.16	3.85	14.09	V
	18040	-47.37	-40	-7.37	-56.70	4.40	13.73	V
Highest	7325	-45.68	-40	-5.68	-57.14	2.84	14.30	H
	10990	-59.12	-40	-19.12	-69.06	3.49	13.43	H
	14650	-47.33	-40	-7.33	-57.57	3.85	14.09	H
	7325	-59.31	-40	-19.31	-70.77	2.84	14.30	V
	10990	-60.50	-40	-20.50	-70.44	3.49	13.43	V
	14650	-52.93	-40	-12.93	-63.17	3.85	14.09	V

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



EN-DC_2A_n48A / LTE 20MHz + NR 40MHz / QPSK / ANT0(LTE) & ANT3(NR)								
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)
Lowest	7104	-50.15	-40	-10.15	-61.61	2.84	14.30	H
	10656	-60.91	-40	-20.91	-70.85	3.49	13.43	H
	14208	-58.39	-40	-18.39	-68.63	3.85	14.09	H
	17754	-53.87	-40	-13.87	-63.20	4.40	13.73	H
	7104	-43.87	-40	-3.87	-55.33	2.84	14.30	V
	10656	-58.54	-40	-18.54	-68.48	3.49	13.43	V
	14208	-57.05	-40	-17.05	-67.29	3.85	14.09	V
	17754	-50.37	-40	-10.37	-59.70	4.40	13.73	V
Middle	7216	-45.52	-40	-5.52	-56.98	2.84	14.30	H
	10825	-50.17	-40	-10.17	-60.11	3.49	13.43	H
	14430	-45.97	-40	-5.97	-56.21	3.85	14.09	H
	18040	-44.39	-40	-4.39	-53.72	4.40	13.73	H
	7216	-50.70	-40	-10.70	-62.16	2.84	14.30	V
	10825	-50.24	-40	-10.24	-60.18	3.49	13.43	V
	14430	-52.67	-40	-12.67	-62.91	3.85	14.09	V
	18040	-49.45	-40	-9.45	-58.78	4.40	13.73	V
Highest	7325	-52.65	-40	-12.65	-64.11	2.84	14.30	H
	10990	-60.79	-40	-20.79	-70.73	3.49	13.43	H
	14650	-57.68	-40	-17.68	-67.92	3.85	14.09	H
	7325	-45.18	-40	-5.18	-56.64	2.84	14.30	V
	10990	-59.67	-40	-19.67	-69.61	3.49	13.43	V
	14650	-57.37	-40	-17.37	-67.61	3.85	14.09	V

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