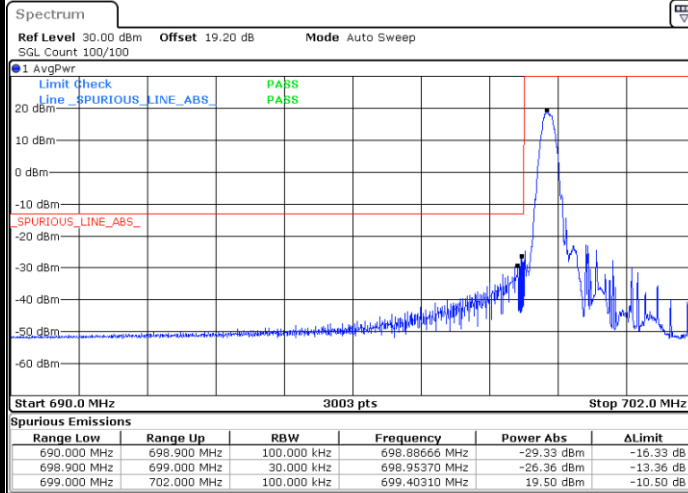


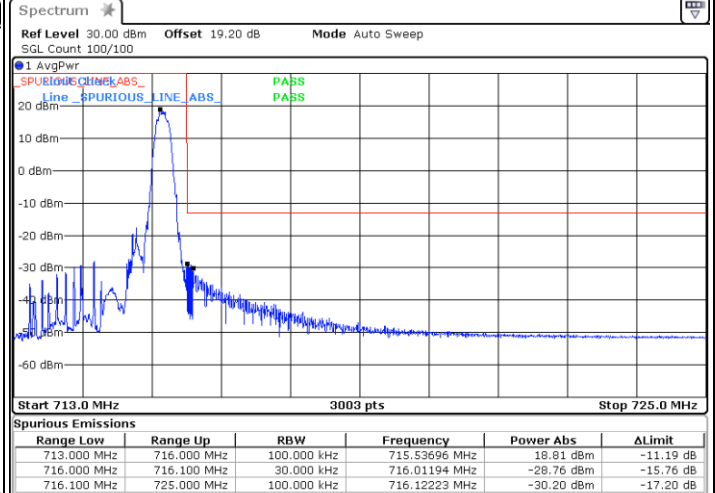


LTE Band 12 / 3MHz / QPSK

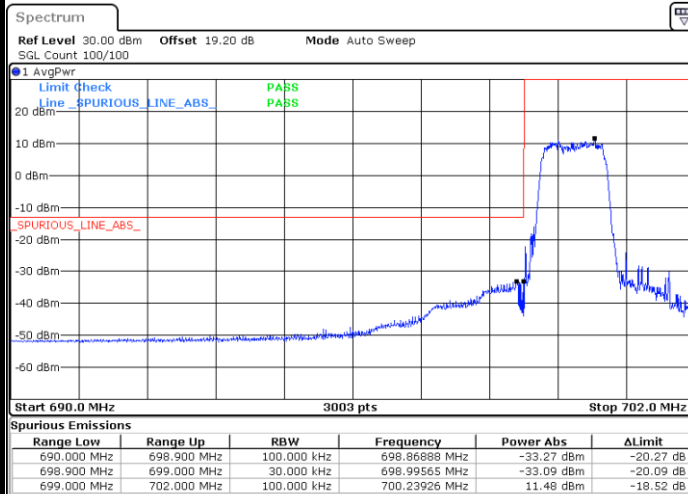
Lowest Band Edge / 1RB



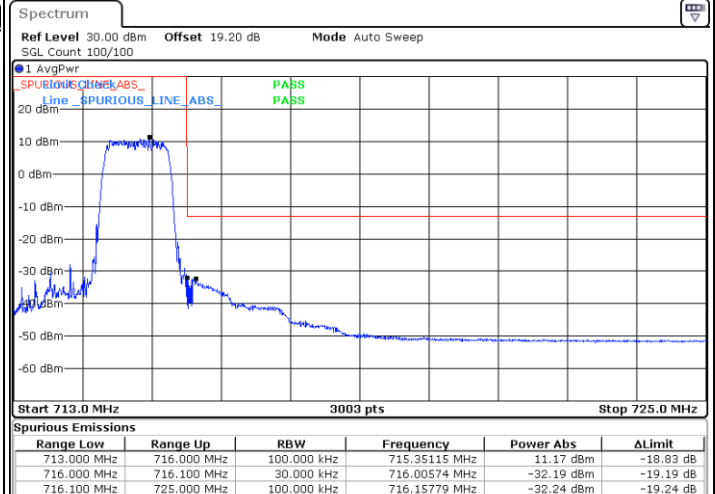
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



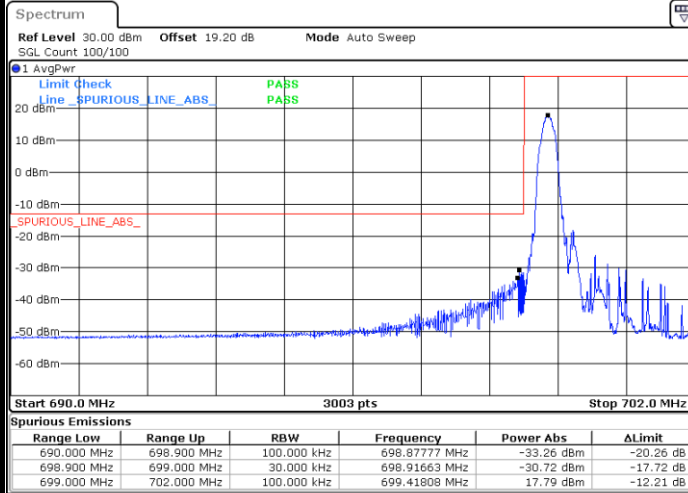
Highest Band Edge / Full RB



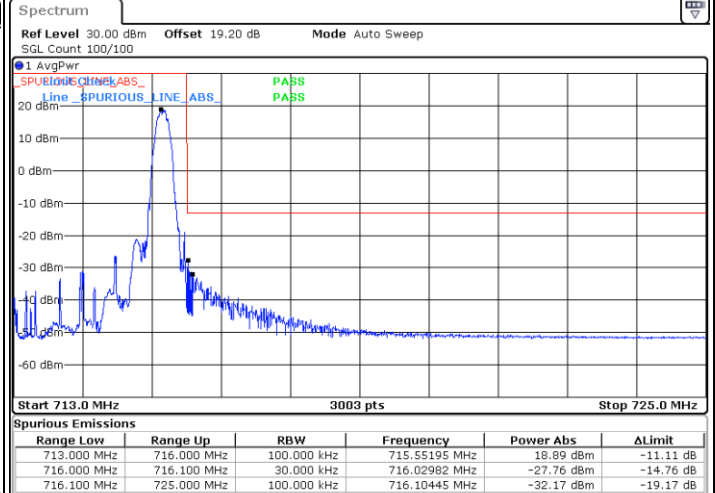


LTE Band 12 / 3MHz / 16QAM

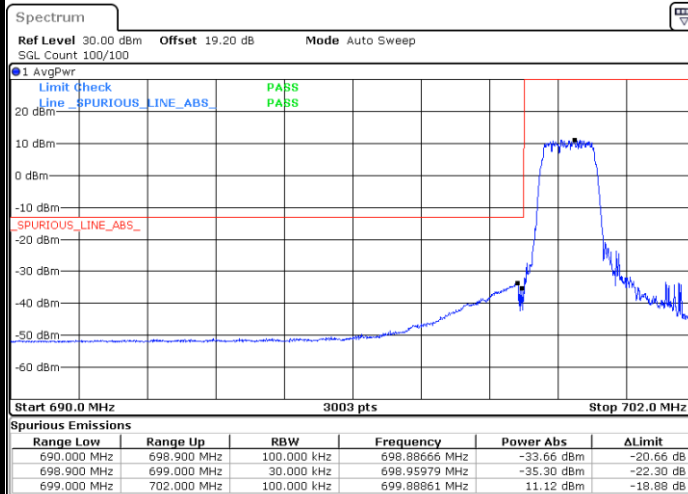
Lowest Band Edge / 1 RB



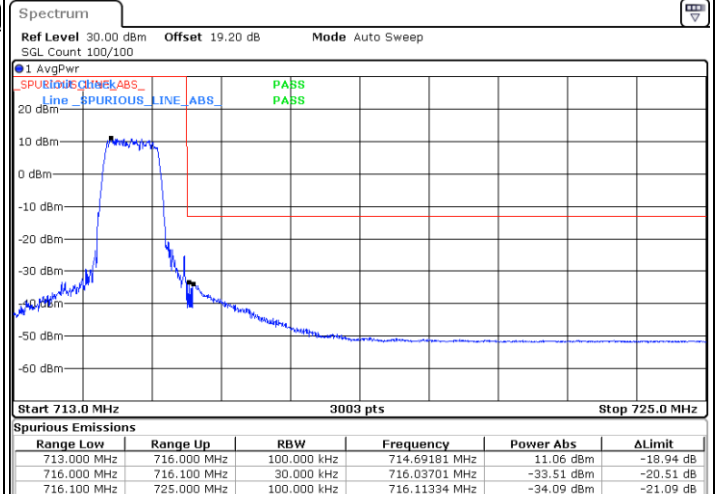
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



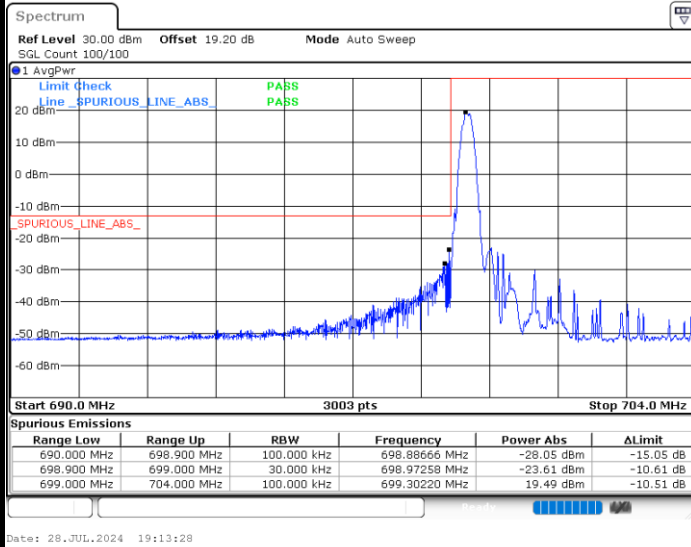
Highest Band Edge / Full RB



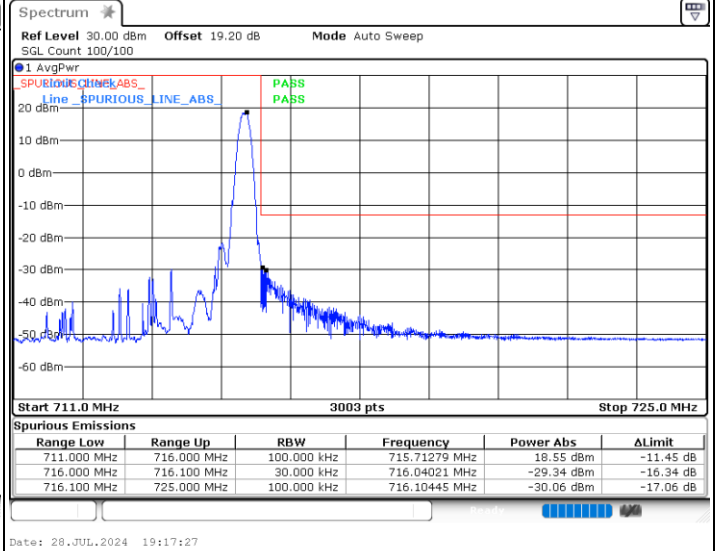


LTE Band 12 / 5MHz / QPSK

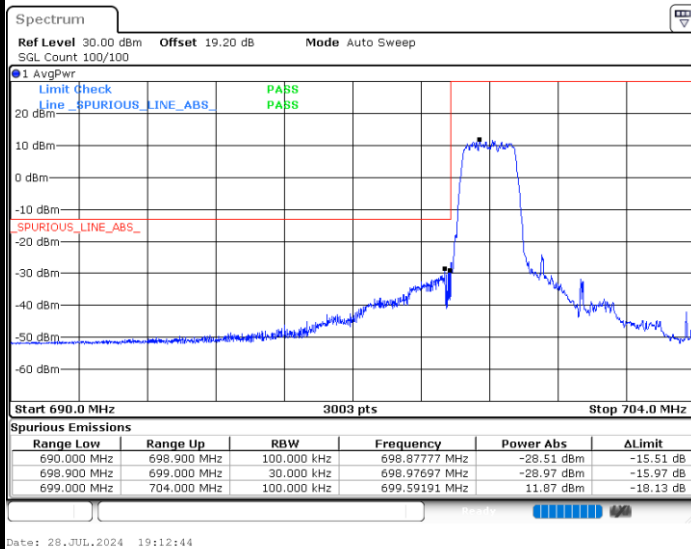
Lowest Band Edge / 1RB



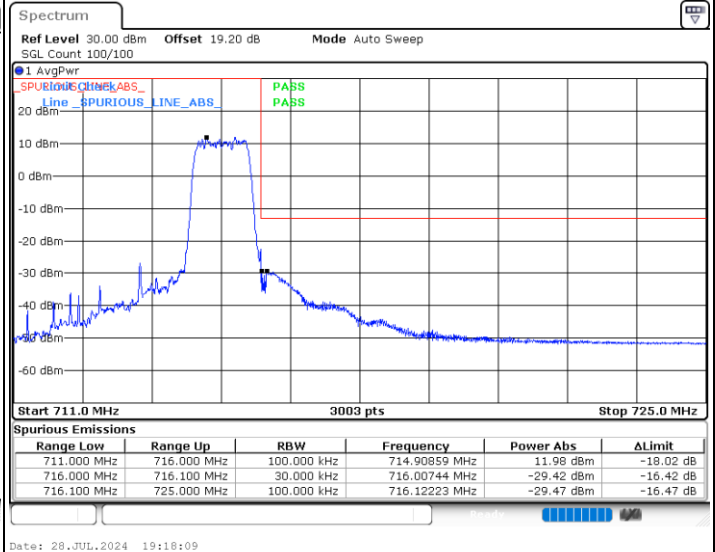
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



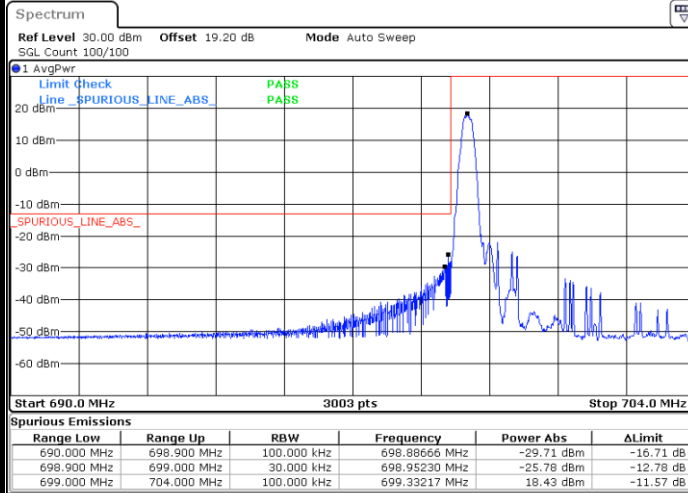
Highest Band Edge / Full RB



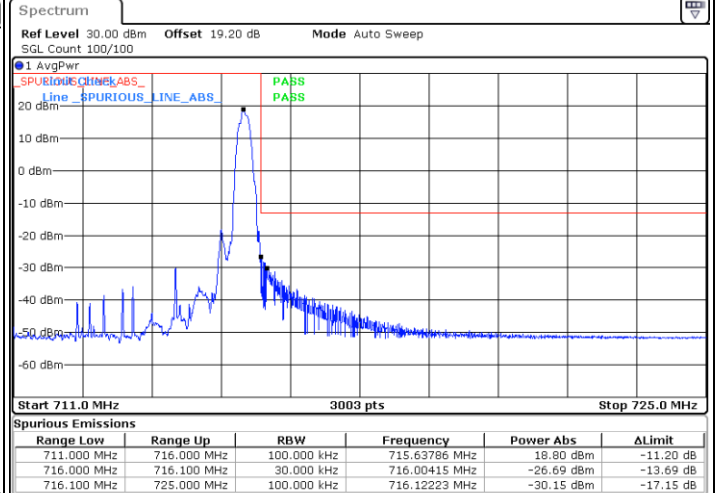


LTE Band 12 / 5MHz / 16QAM

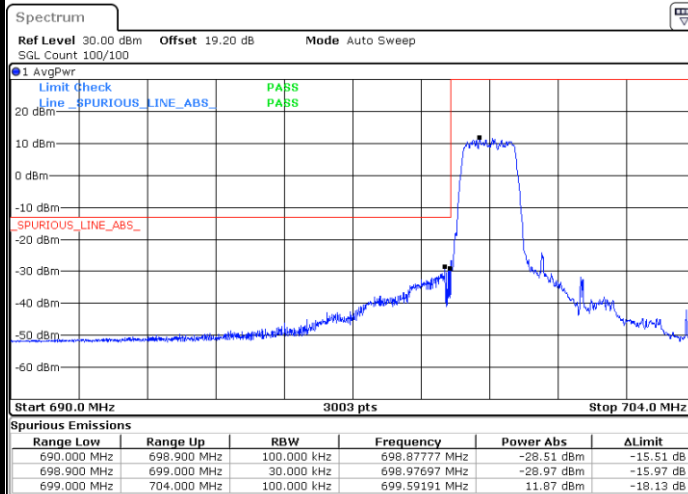
Lowest Band Edge / 1 RB



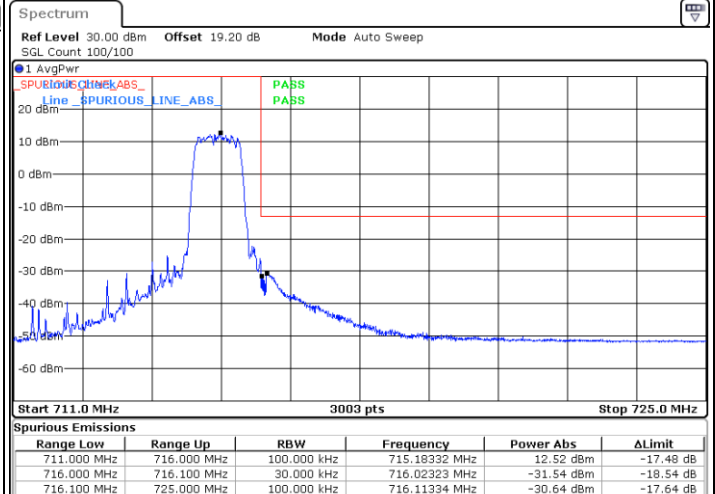
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



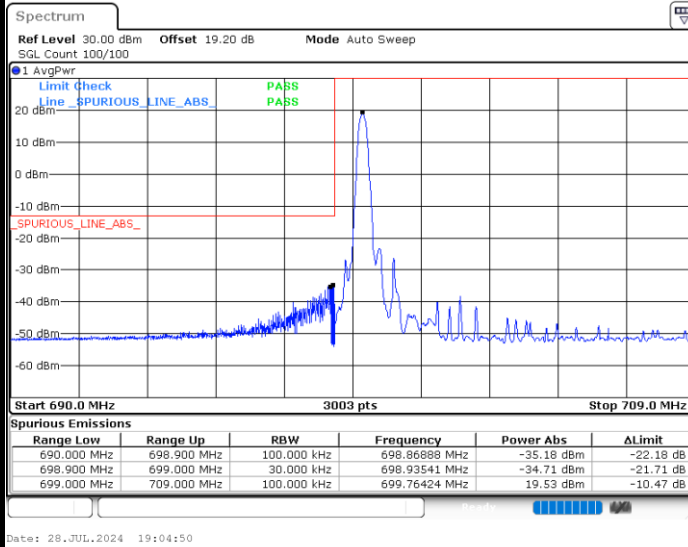
Highest Band Edge / Full RB



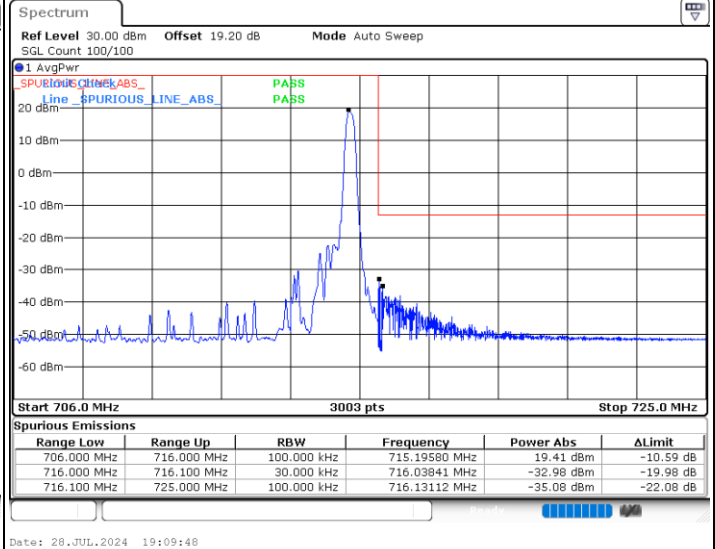


LTE Band 12 / 10MHz / QPSK

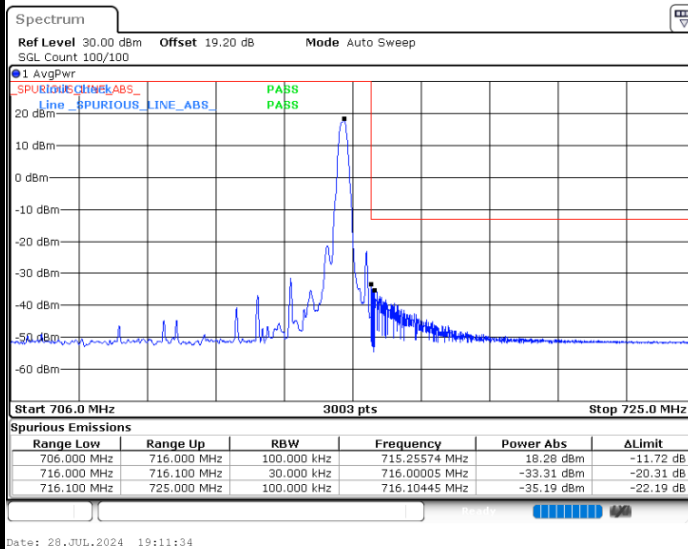
Lowest Band Edge / 1RB



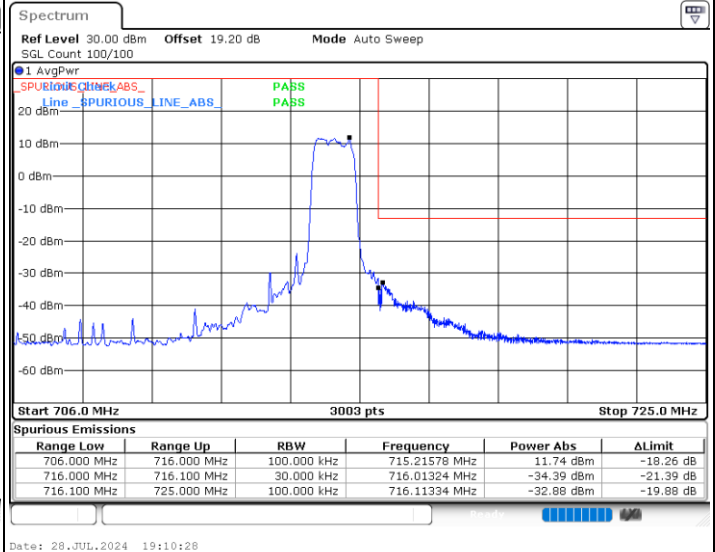
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



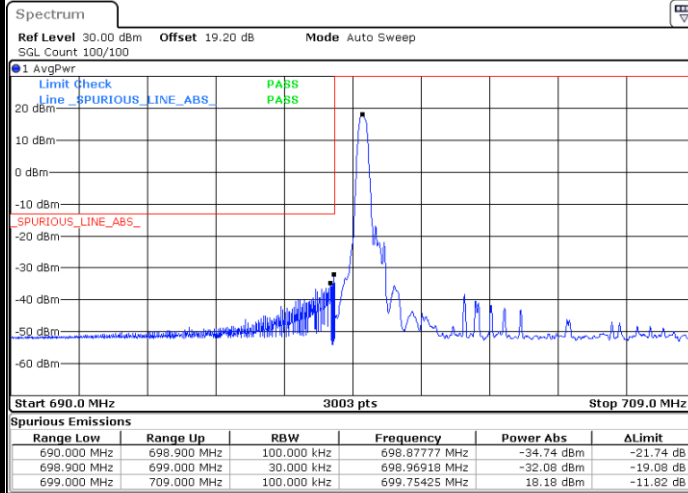
Highest Band Edge / Full RB



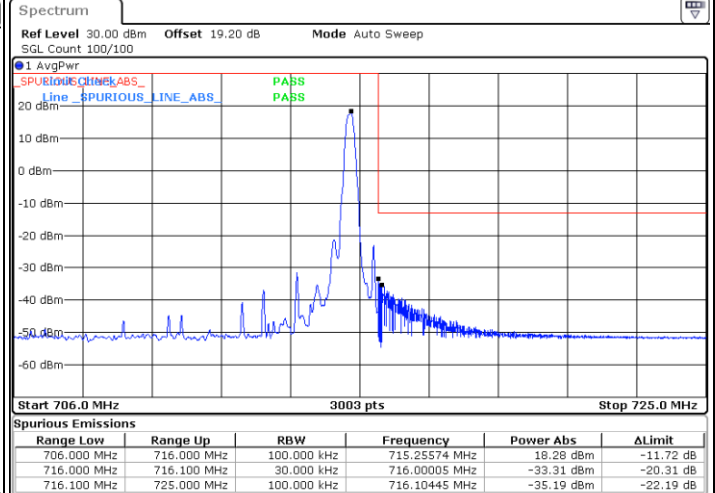


LTE Band 12 / 10MHz / 16QAM

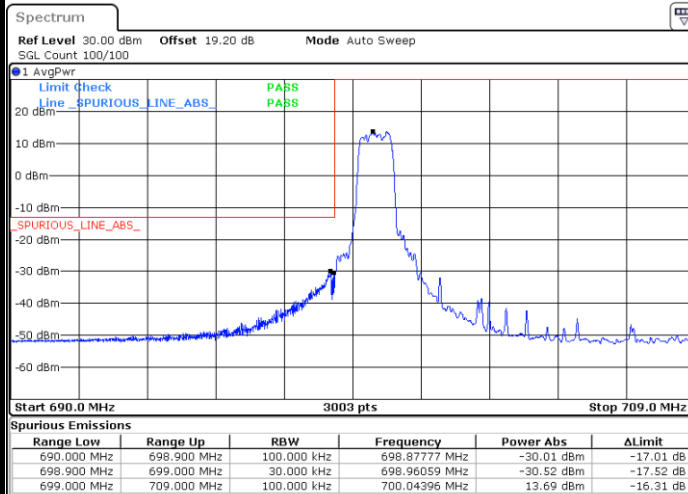
Lowest Band Edge / 1 RB



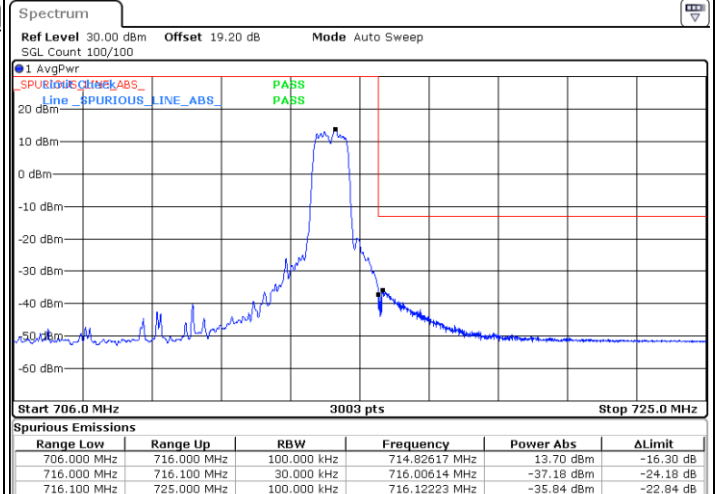
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

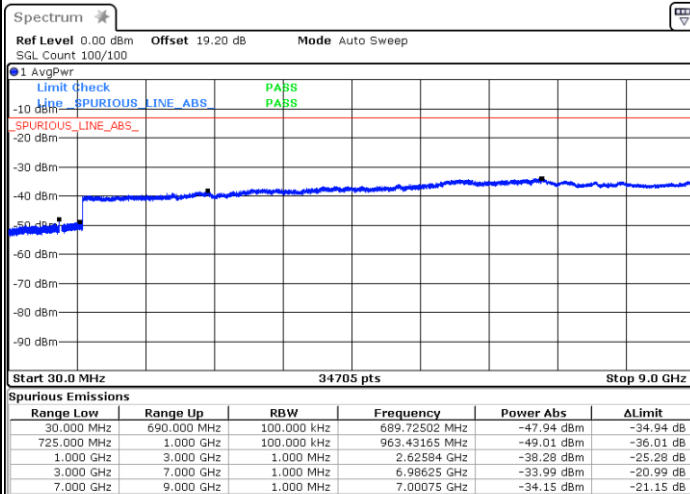




Conducted Spurious Emission

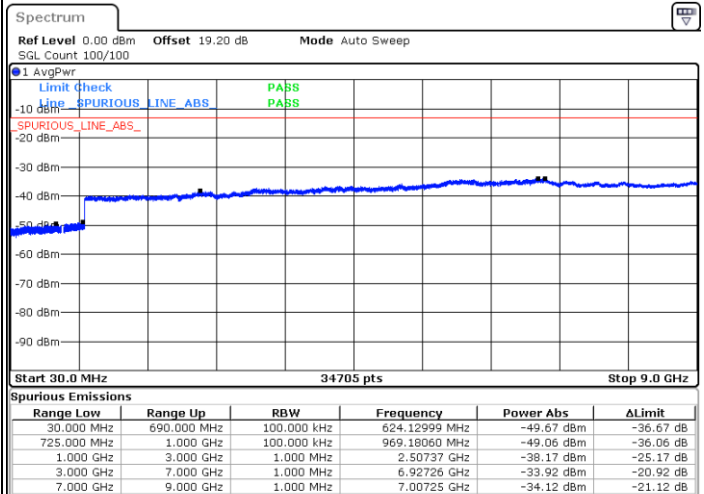
LTE Band 12 / 1.4MHz

Lowest Channel / QPSK



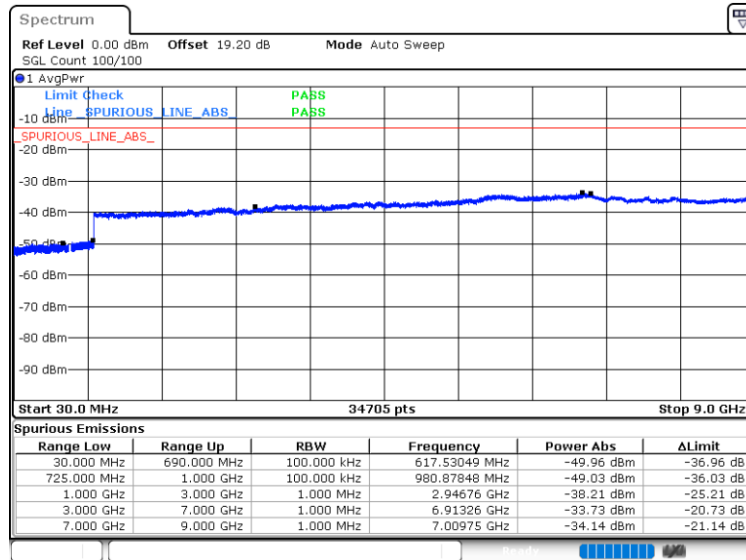
Date: 29.JUL.2024 10:53:52

Middle Channel / QPSK



Date: 29.JUL.2024 10:51:14

Highest Channel / QPSK

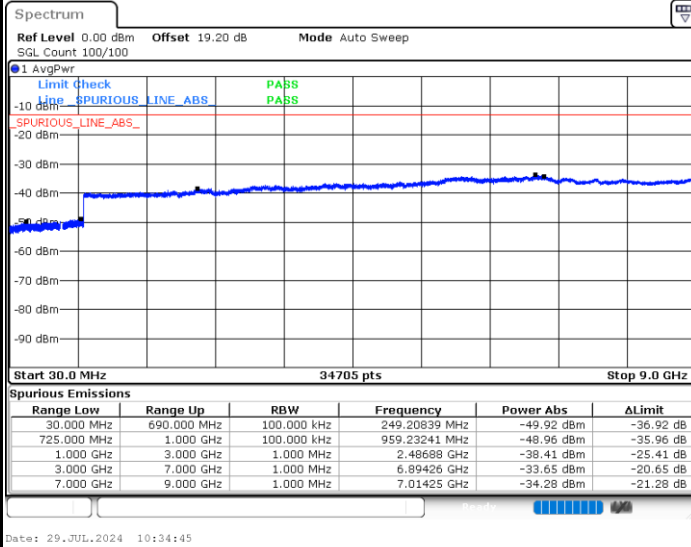


Date: 29.JUL.2024 11:04:14

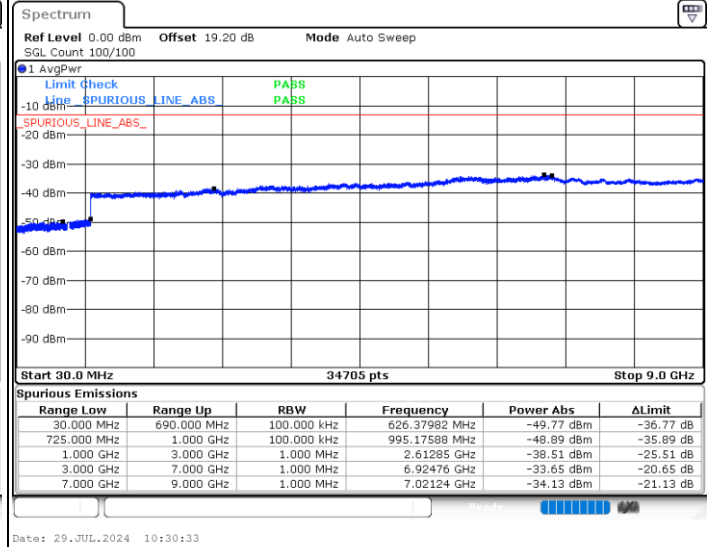


LTE Band 12 / 3MHz

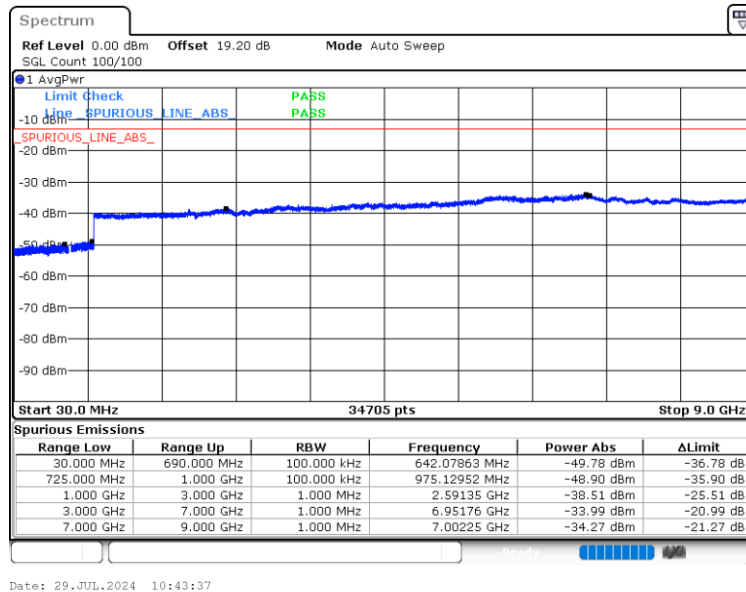
Lowest Channel / QPSK



Middle Channel / QPSK



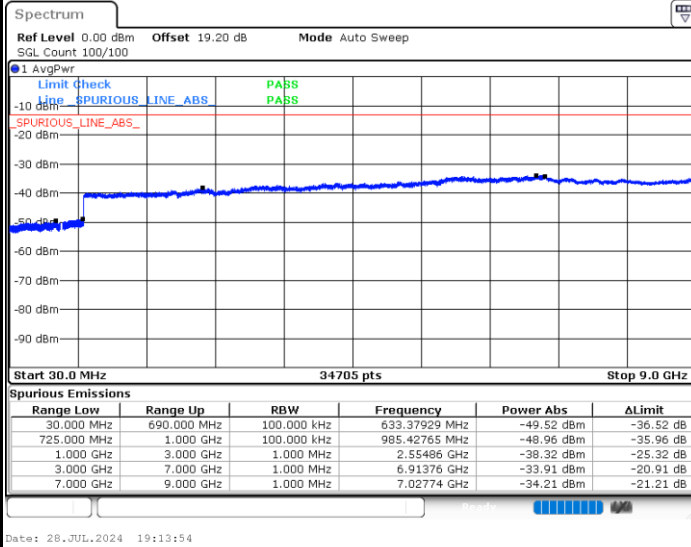
Highest Channel / QPSK



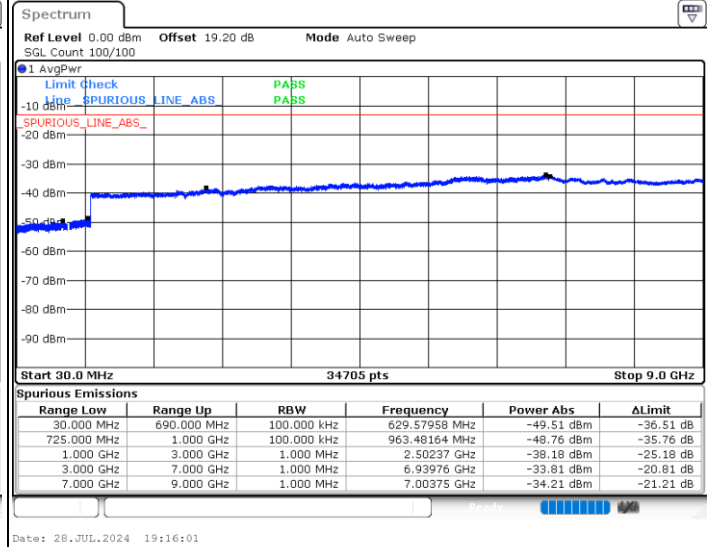


LTE Band 12 / 5MHz

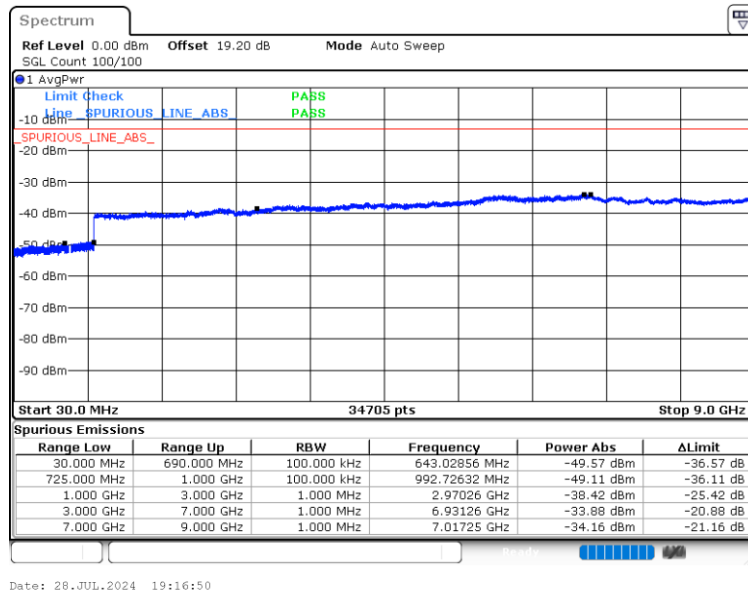
Lowest Channel / QPSK



Middle Channel / QPSK



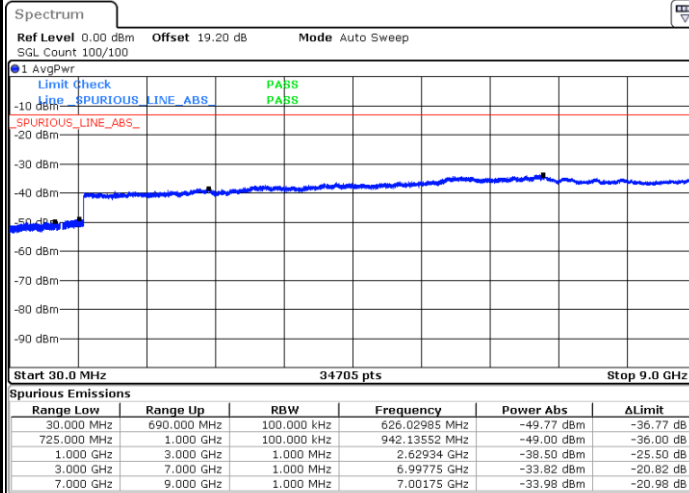
Highest Channel / QPSK





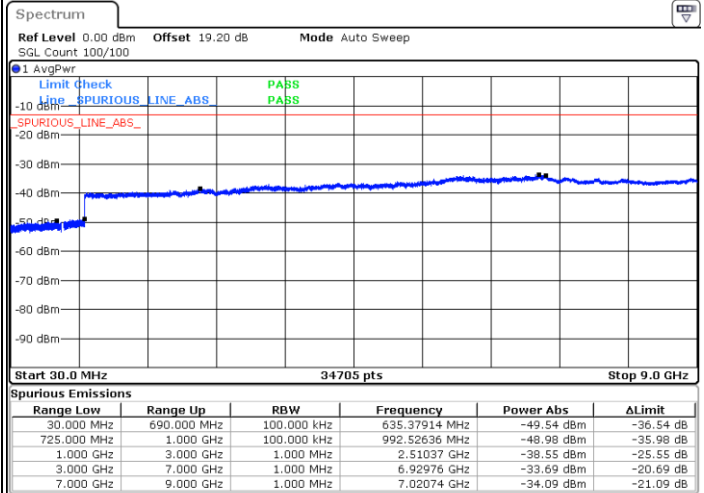
LTE Band 12 / 10MHz

Lowest Channel / QPSK



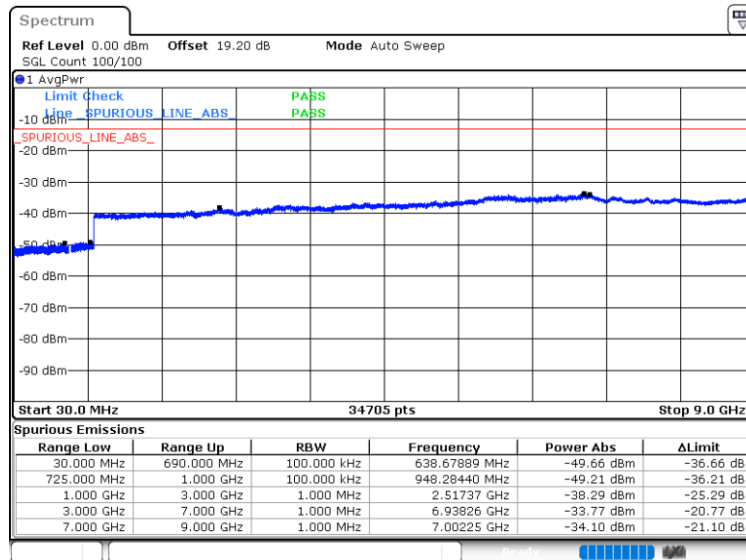
Date: 28.JUL.2024 19:05:14

Middle Channel / QPSK



Date: 28.JUL.2024 19:07:35

Highest Channel / QPSK



Date: 28.JUL.2024 19:08:56

Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0006	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0002	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0000	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0015	

Note:

1. Normal Voltage = 6.0 V. ; Battery End Point (BEP) = 4.8 V. ; Maximum Voltage = 6.6 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	TaoZhang	Temperature :	22~25°C
		Relative Humidity :	48~52%

LTE Band 2 / 20MHz / QPSK									
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	3742.18	-52.27	-13	-39.27	-75.31	-59.02	5.85	12.60	H
	5613.27	-57.25	-13	-44.25	-81.83	-63.05	7.30	13.10	H
	7484.36	-55.35	-13	-42.35	-82.43	-58.50	8.35	11.50	H
	3742.18	-48.25	-13	-35.25	-73.3	-55.00	5.85	12.60	V
	5613.27	-56.70	-13	-43.70	-82.13	-62.50	7.30	13.10	V
	7484.36	-55.44	-13	-42.44	-82.5	-58.59	8.35	11.50	V

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

LTE Band 4 / 20MHz / QPSK									
Channel	Frequency (MHz)	ERP (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	3447.18	-54.79	-13	-41.79	-76.24	-61.64	5.65	12.50	H
	5170.77	-57.07	-13	-44.07	-81.71	-62.74	7.13	12.80	H
	6894.36	-55.69	-13	-42.69	-81.89	-59.09	8.40	11.80	H
	3447.18	-52.35	-13	-39.35	-74.74	-59.20	5.65	12.50	V
	5170.77	-57.24	-13	-44.24	-82.38	-62.91	7.13	12.80	V
	6894.36	-54.65	-13	-41.65	-82.13	-58.05	8.40	11.80	V

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

LTE Band 12 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (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	1406	-55.85	-13	-42.85	-67.11	-59.10	4.00	9.40	H
	2109	-43.15	-13	-30.15	-61.30	-46.72	4.88	10.60	H
	2812	-59.82	-13	-46.82	-79.26	-64.75	5.52	12.60	H
	1406	-61.83	-13	-48.83	-74.15	-65.08	4.00	9.40	V
	2109	-51.29	-13	-38.29	-69.23	-54.86	4.88	10.60	V
	2812	-59.16	-13	-46.16	-79.41	-64.09	5.52	12.60	V

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