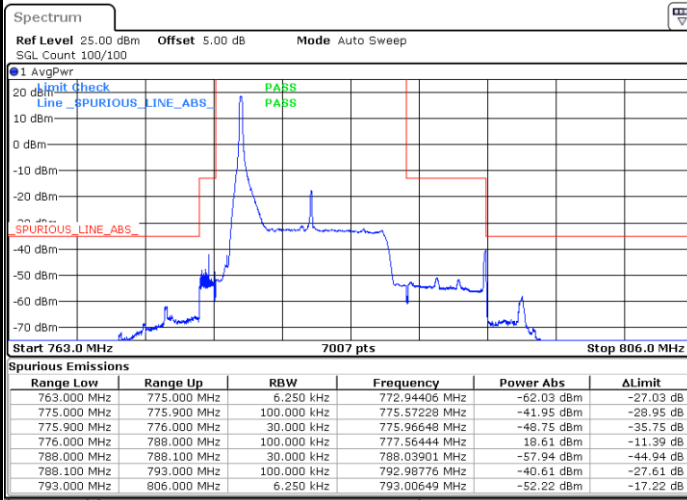




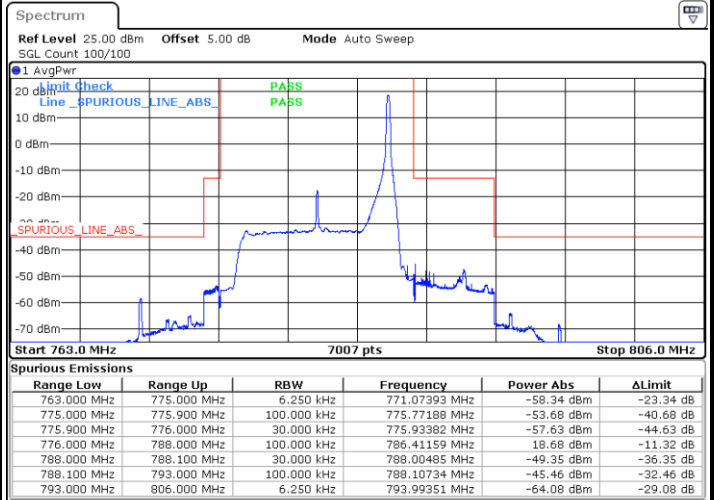
LTE Band 13 / 10MHz / 64QAM

middle Band Edge / 1 RB



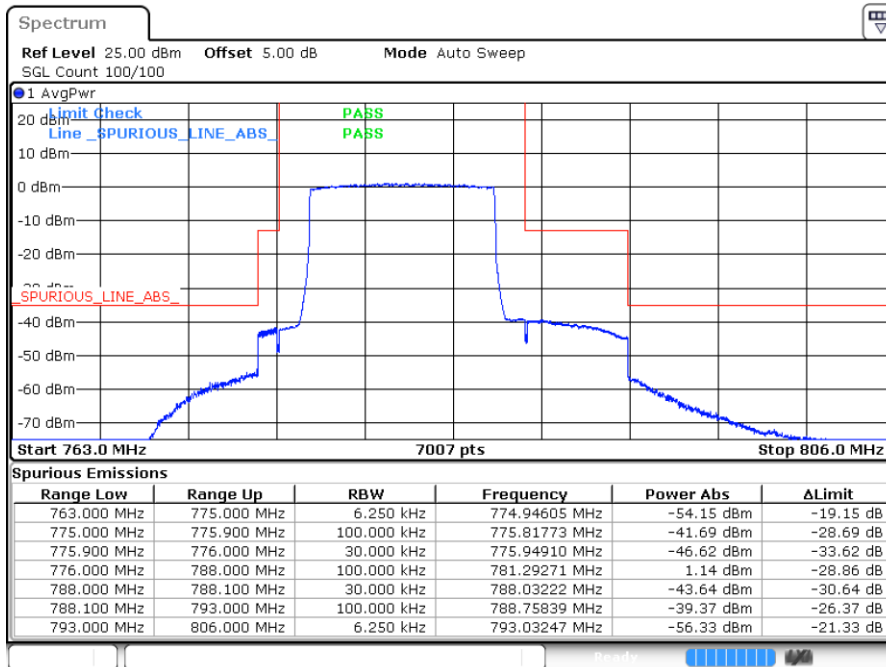
Date: 18 JUL 2022 16:04:38

middle Band Edge / 1 RB



Date: 18 JUL 2022 16:15:44

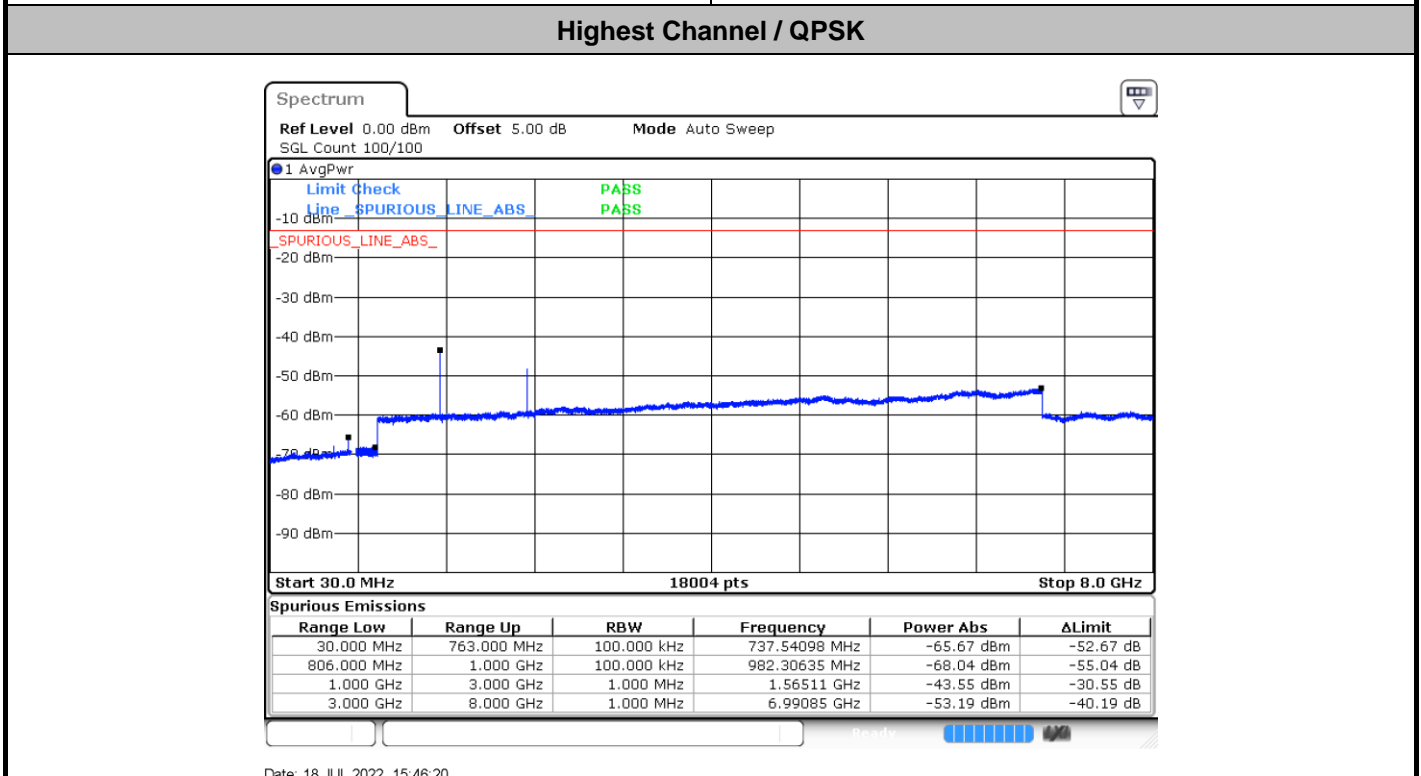
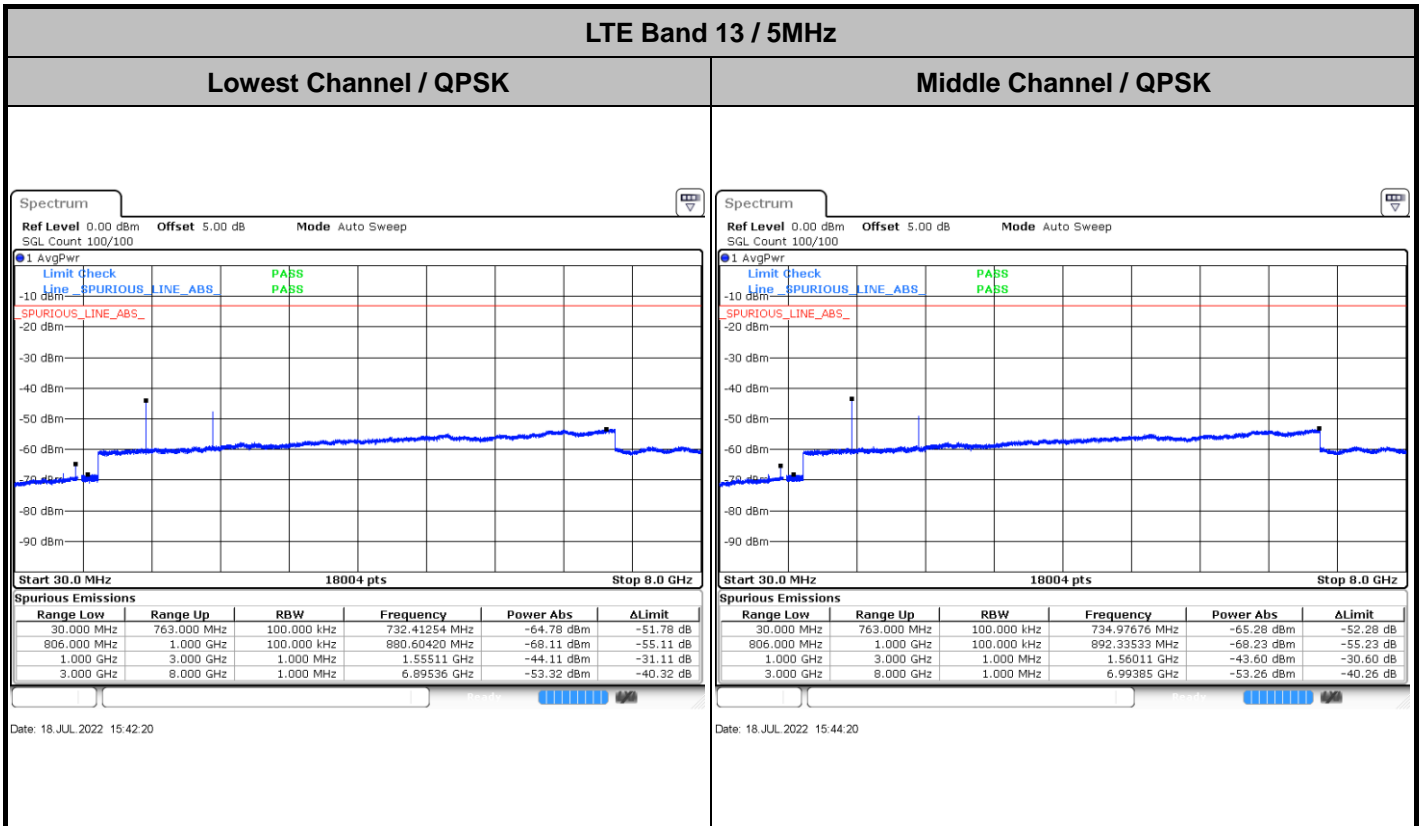
middle Band Edge / Full RB



Date: 18 JUL 2022 16:02:48



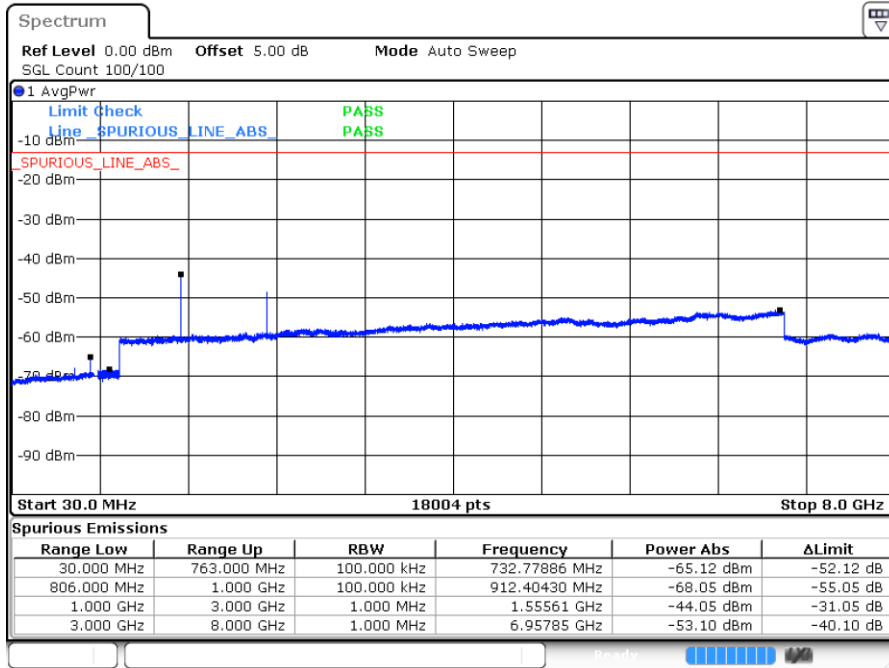
Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 18 JUL 2022 16:10:16



Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0017	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0027	
-30	Normal Voltage	0.0033	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Levi zhuo	Temperature :	23~25°C
		Relative Humidity :	41~42%

For Sample 1

LTE Band 2_ANT 0 / 20MHz / QPSK								
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	3741	-58.96	-13	-45.96	-71.22	2.64	14.90	H
	5613	-51.09	-13	-38.09	-62.95	2.94	14.80	H
	7488	-45.52	-13	-32.52	-55.29	3.39	13.16	H
	3741	-59.12	-13	-46.12	-71.38	2.64	14.90	V
	5613	-50.20	-13	-37.20	-62.06	2.94	14.80	V
	7488	-46.10	-13	-33.10	-55.87	3.39	13.16	V

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

LTE Band 4_ANT 0 / 20MHz / QPSK								
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	3447	-58.56	-13	-45.56	-69.30	2.604	13.34	H
	5172	-52.93	-13	-39.93	-63.44	3.011	13.52	H
	6900	-47.45	-13	-34.45	-57.65	3.271	13.47	H
	3447	-58.87	-13	-45.87	-69.61	2.604	13.34	V
	5172	-52.95	-13	-39.95	-63.46	3.011	13.52	V
	6900	-47.74	-13	-34.74	-57.94	3.271	13.47	V

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



LTE Band 12_ANT 0 / 10MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1406	-62.04	-13	-49.04	-69.01	1.58	10.70	H
	2110	-63.17	-13	-50.17	-71.42	2.102	12.50	H
	2812	-61.39	-13	-48.39	-70.28	2.856	13.90	H
	1406	-58.25	-13	-45.25	-65.22	1.58	10.70	V
	2110	-62.77	-13	-49.77	-71.02	2.10	12.50	V
	2812	-61.47	-13	-48.47	-70.36	2.86	13.90	V

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

LTE Band 13_ANT 0 / 5MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1560	-69.21	-42.15	-27.06	-71.84	1.09	5.87	H
	2340	-63.00	-13	-50.00	-65.40	1.37	5.92	H
	3120	-61.48	-13	-48.48	-65.37	1.64	7.68	H
	1560	-67.74	-42.15	-25.59	-70.37	1.09	5.87	V
	2340	-62.46	-13	-49.46	-64.86	1.37	5.92	V
	3120	-60.86	-13	-47.86	-64.75	1.64	7.68	V

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

LTE Band 13_ANT 0 / 10MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1556	-67.77	-13	-54.77	-70.40	1.09	5.87	H
	2332	-62.52	-13	-49.52	-64.92	1.37	5.92	H
	3110	-61.06	-13	-48.06	-64.95	1.64	7.68	H
	1556	-67.83	-13	-54.83	-70.46	1.09	5.87	V
	2332	-62.91	-13	-49.91	-65.31	1.37	5.92	V
	3110	-61.17	-13	-48.17	-65.06	1.64	7.68	V

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



LTE Band 26_ANT 0 / 15MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1660	-64.03	-13	-51.03	-71.00	1.58	10.70	H
	2490	-61.86	-13	-48.86	-70.11	2.102	12.50	H
	3318	-60.63	-13	-47.63	-69.52	2.856	13.90	H
	1660	-60.92	-13	-47.92	-67.89	1.58	10.70	V
	2490	-61.81	-13	-48.81	-70.06	2.10	12.50	V
	3318	-60.79	-13	-47.79	-69.68	2.86	13.90	V

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

LTE Band 66_ANT 0 / 20MHz / QPSK								
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	3471	-57.02	-13	-44.02	-67.76	2.604	13.34	H
	5208	-50.92	-13	-37.92	-61.43	3.011	13.52	H
	6948	-46.53	-13	-33.53	-56.73	3.271	13.47	H
	3471	-57.93	-13	-44.93	-68.67	2.604	13.34	V
	5208	-53.73	-13	-40.73	-64.24	3.011	13.52	V
	6948	-48.82	-13	-35.82	-59.02	3.271	13.47	V

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

For Sample 2

LTE Band 12_ANT 0 / 10MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1408	-58.85	-13	-45.85	-65.82	1.58	10.70	H
	2112	-61.35	-13	-48.35	-69.60	2.102	12.50	H
	2808	-58.65	-13	-45.65	-67.54	2.856	13.90	H
	1408	-54.97	-13	-41.97	-61.94	1.58	10.70	V
	2112	-59.98	-13	-46.98	-68.23	2.10	12.50	V
	2808	-57.96	-13	-44.96	-66.85	2.86	13.90	V

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



LTE Band 13_ANT 0 / 5MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1560	-57.06	-42.15	-14.91	-59.69	1.09	5.87	H
	2336	-61.31	-13	-48.31	-63.71	1.37	5.92	H
	3120	-59.01	-13	-46.01	-62.90	1.64	7.68	H
	1560	-56.61	-42.15	-14.46	-59.24	1.09	5.87	V
	2336	-59.66	-13	-46.66	-62.06	1.37	5.92	V
	3120	-58.75	-13	-45.75	-62.64	1.64	7.68	V

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

LTE Band 13_ANT 0 / 10MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1556	-60.16	-13	-47.16	-62.79	1.09	5.87	H
	2332	-60.48	-13	-47.48	-62.88	1.37	5.92	H
	3108	-59.00	-13	-46.00	-62.89	1.64	7.68	H
	1556	-55.84	-13	-42.84	-58.47	1.09	5.87	V
	2332	-58.96	-13	-45.96	-61.36	1.37	5.92	V
	3108	-59.14	-13	-46.14	-63.03	1.64	7.68	V

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