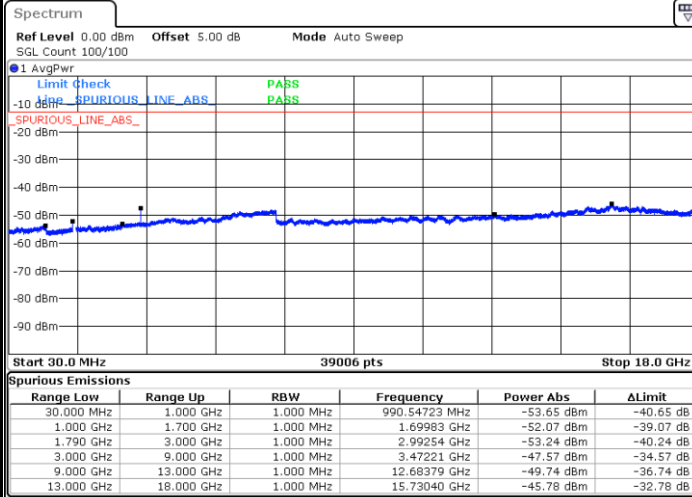


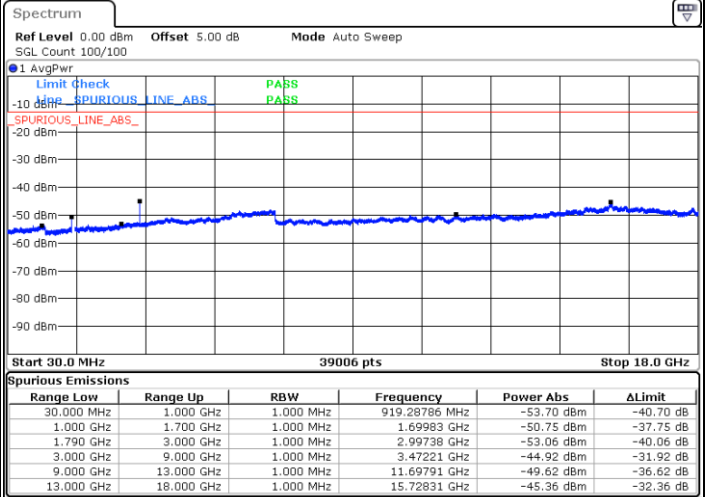


LTE Band 66 / 20MHz

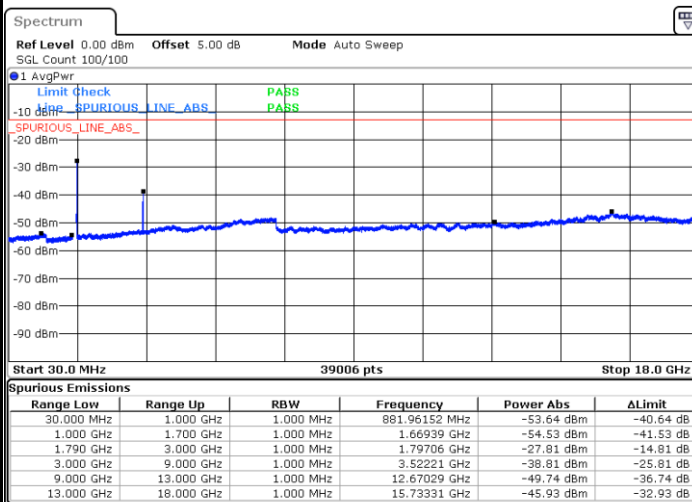
Middle Channel / QPSK



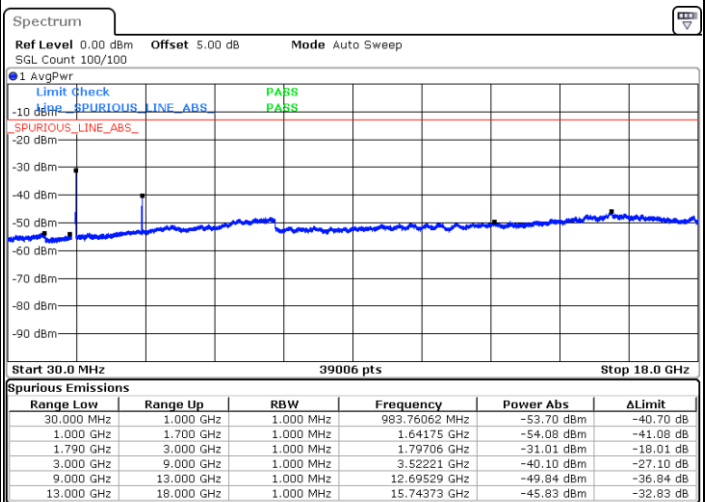
Middle Channel / 16QAM



Highest Channel / QPSK



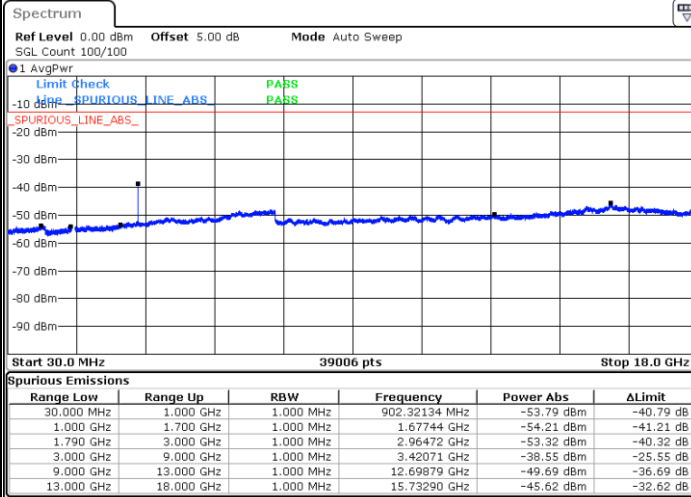
Highest Channel / 16QAM



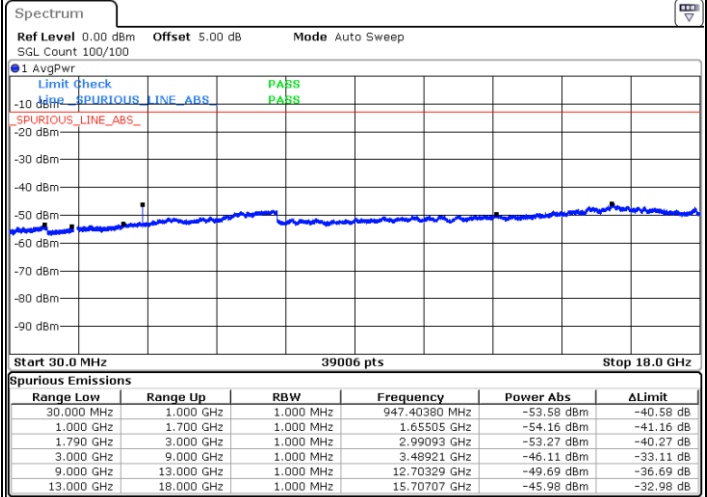


LTE Band 66 / 1.4MHz

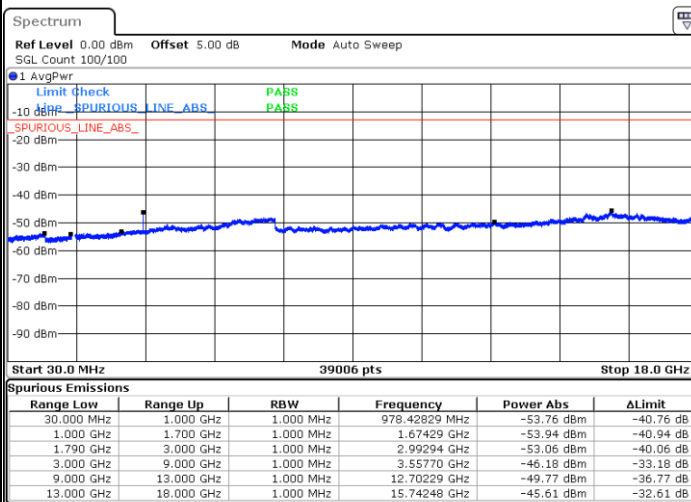
Lowest Channel / 64QAM



Middle Channel / 64QAM



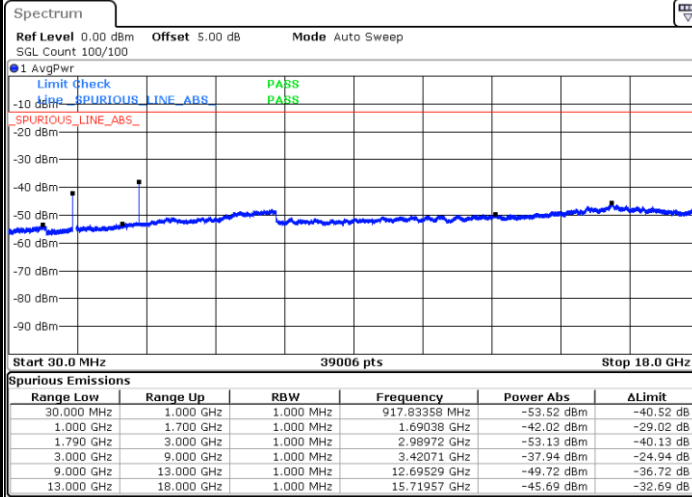
Highest Channel / 64QAM



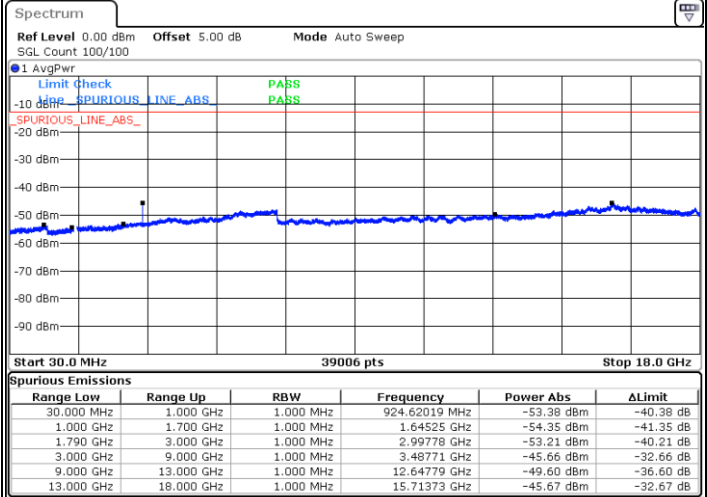


LTE Band 66 / 3MHz

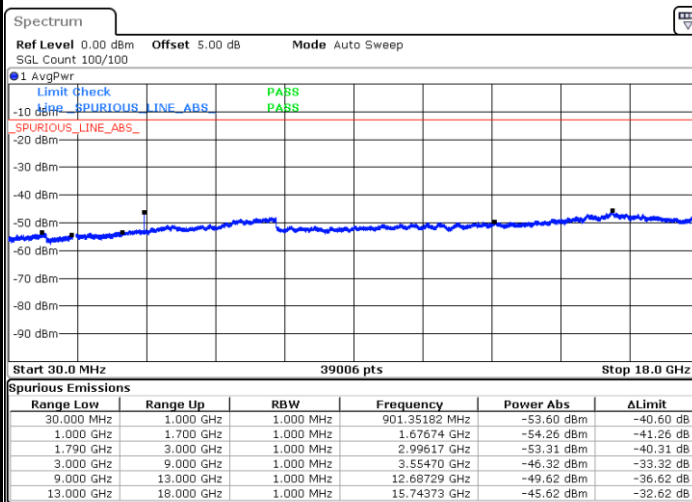
Lowest Channel / 64QAM



Middle Channel / 64QAM



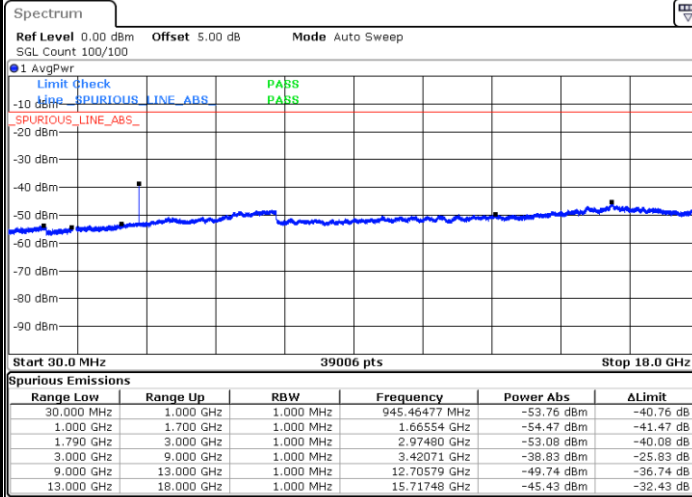
Highest Channel / 64QAM



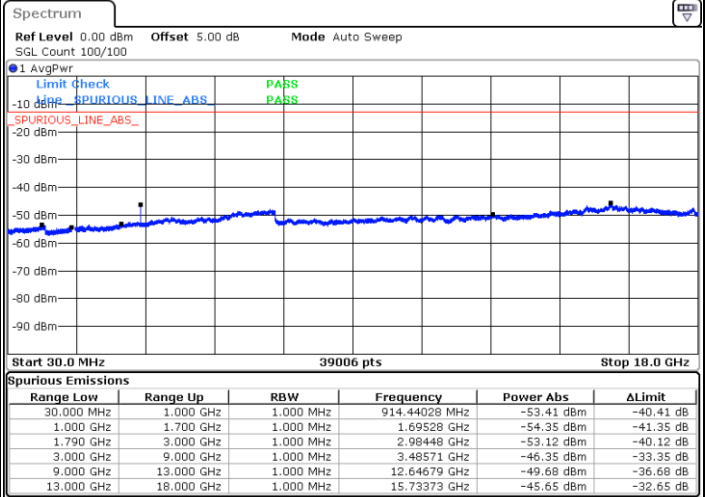


LTE Band 66 / 5MHz

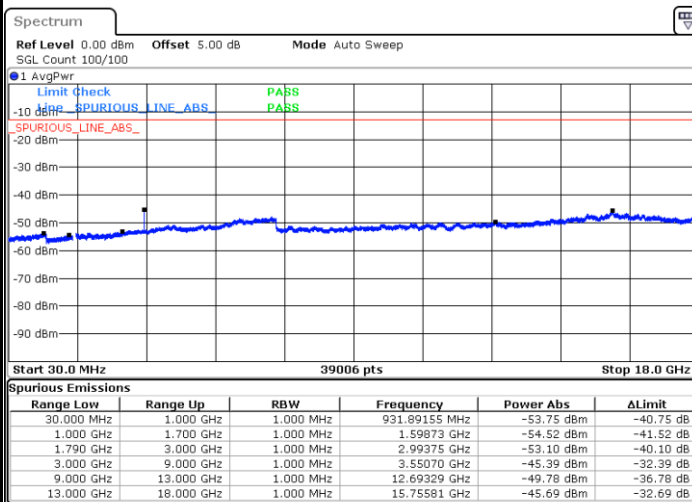
Lowest Channel / 64QAM



Middle Channel / 64QAM



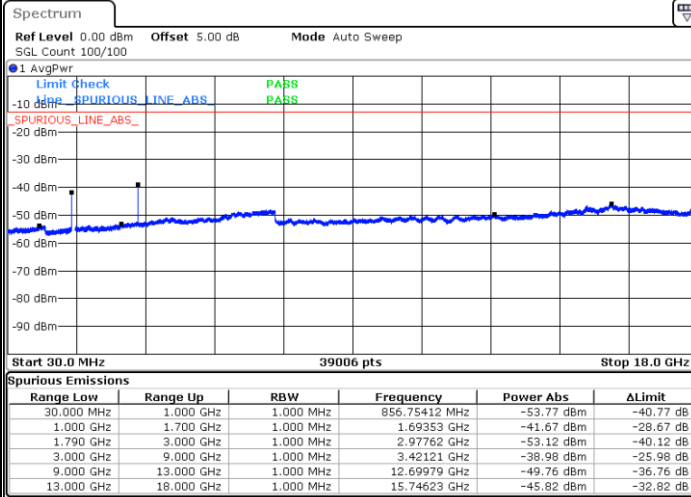
Highest Channel / 64QAM



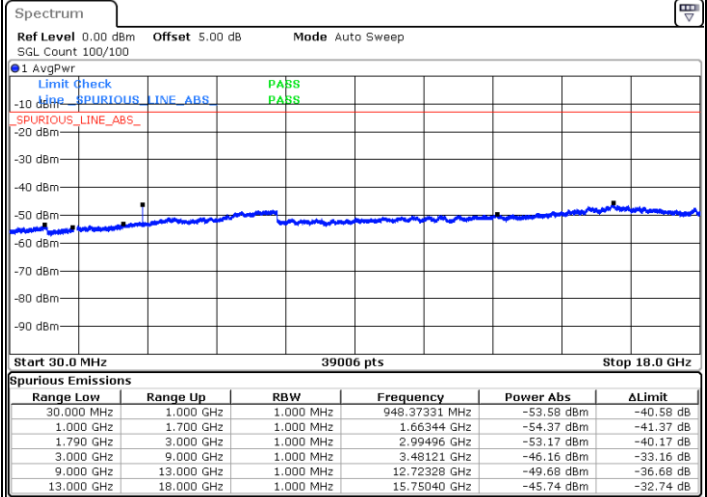


LTE Band 66 / 10MHz

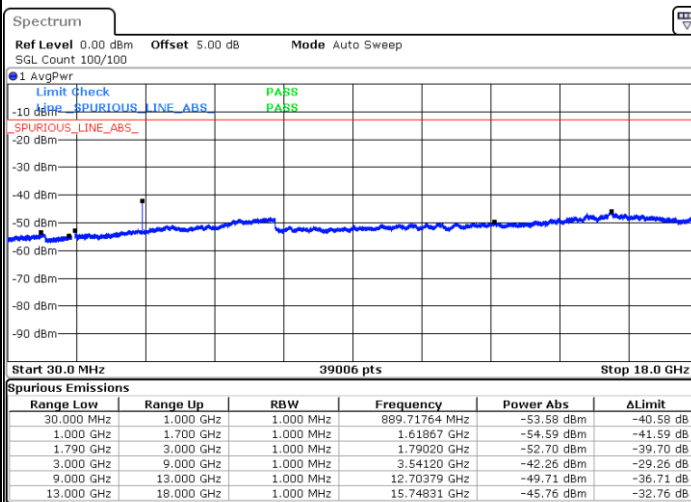
Lowest Channel / 64QAM



Middle Channel / 64QAM



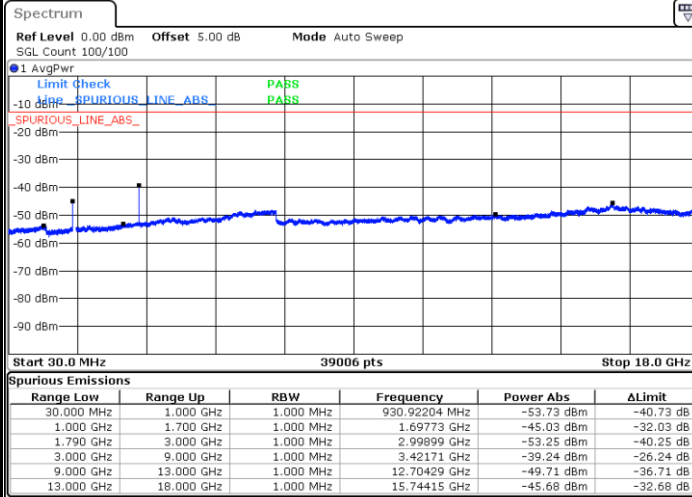
Highest Channel / 64QAM



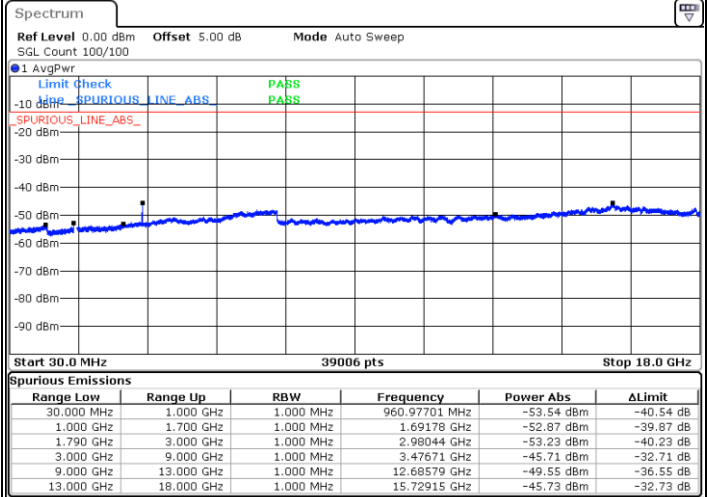


LTE Band 66 / 15MHz

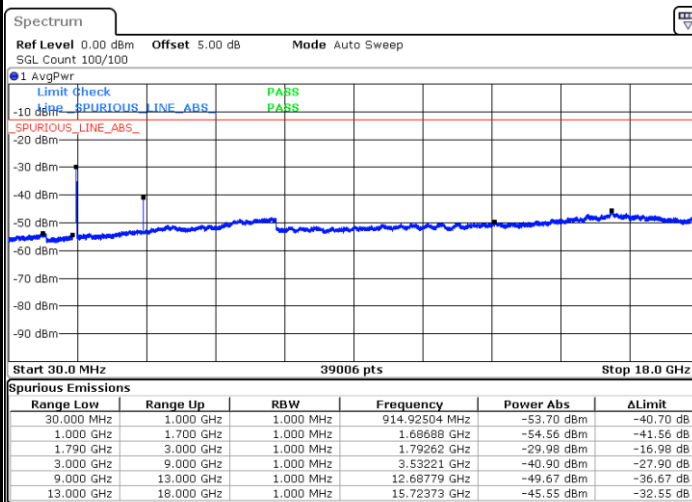
Lowest Channel / 64QAM



Middle Channel / 64QAM



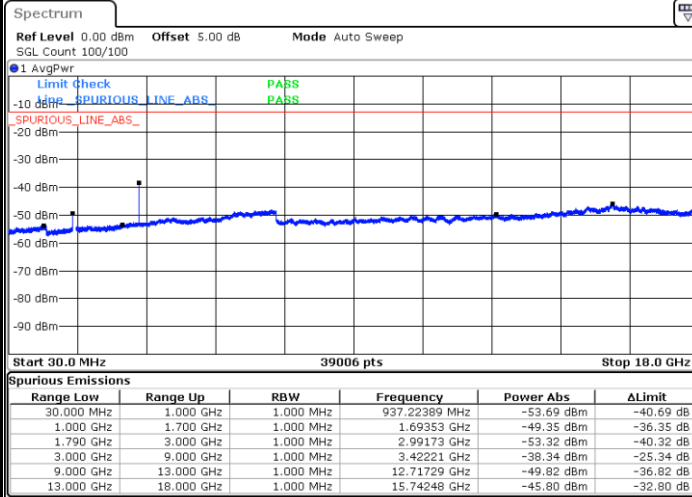
Highest Channel / 64QAM



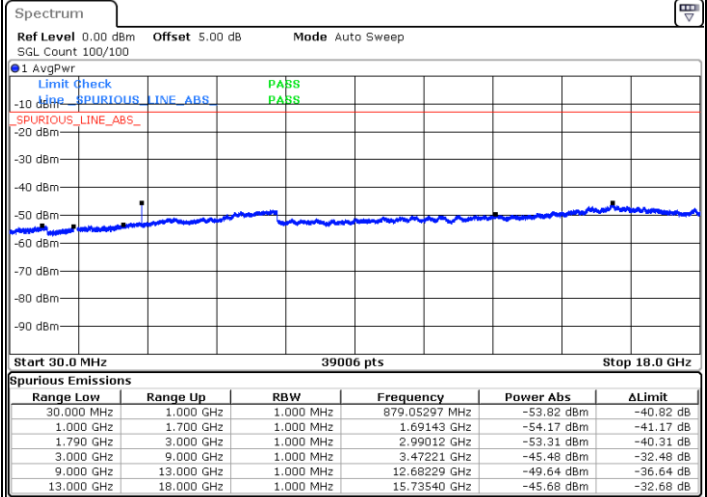


LTE Band 66 / 20MHz

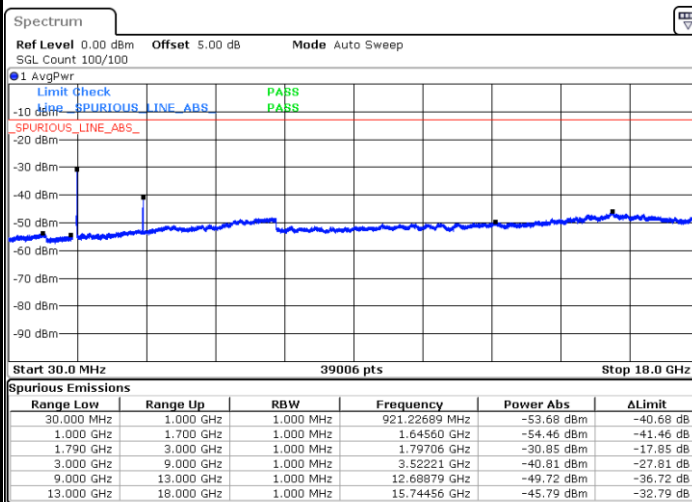
Lowest Channel / 64QAM



Middle Channel / 64QAM



Highest Channel / 64QAM



**Frequency Stability**

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0034	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0005	
s20	Maximum Voltage	0.0029	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 2 / 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	-48.17	-13	-35.17	-60.43	2.641	14.90	H
	5613.27	-54.95	-13	-41.95	-66.81	2.94	14.80	H
	7484.36	-49.88	-13	-36.88	-59.65	3.39	13.16	H
	3741	-48.44	-13	-35.44	-60.70	2.64	14.90	V
	5613	-54.68	-13	-41.68	-66.54	2.94	14.80	V
	7484.36	-49.58	-13	-36.58	-59.35	3.39	13.16	V

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

LTE Band 5 / 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	1664	-53.44	-13	-40.44	-60.41	1.58	10.70	H
	2496	-45.44	-13	-32.44	-53.69	2.102	12.50	H
	3328.36	-63.84	-13	-50.84	-72.73	2.856	13.90	H
	1664	-67.39	-13	-54.39	-74.36	1.58	10.70	V
	2496	-63.54	-13	-50.54	-71.79	2.10	12.50	V
	3328.36	-64.14	-13	-51.14	-73.03	2.86	13.90	V

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

LTE Band 7 / 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	5052	-64.33	-25	-39.33	-74.54	3.03	13.24	H
	7578.27	-60.64	-25	-35.64	-70.09	3.56	13.01	H
	10104.36	-57.58	-25	-32.58	-67.10	3.92	13.44	H
	5052	-61.67	-25	-36.67	-71.88	3.03	13.24	V
	7580	-59.56	-25	-34.56	-69.01	3.56	13.01	V
	10104.36	-59.03	-25	-34.03	-68.55	3.92	13.44	V

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



LTE Band 12 / 20MHz / 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	-66.91	-13	-53.91	-73.88	1.58	10.70	H
	2109.27	-66.12	-13	-53.12	-74.37	2.102	12.50	H
	2812.36	-63.15	-13	-50.15	-72.04	2.856	13.90	H
	1406	-66.69	-13	-53.69	-73.66	1.58	10.70	V
	2109.27	-66.39	-13	-53.39	-74.64	2.10	12.50	V
	2812	-63.46	-13	-50.46	-72.35	2.86	13.90	V

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

LTE Band 13 / 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	-60.58	-42.15	-18.43	-63.21	1.09	5.87	H
	2340	-64.88	-13	-51.88	-67.28	1.37	5.92	H
	3120	-62.83	-13	-49.83	-66.72	1.64	7.68	H
	1560	-61.87	-42.15	-19.72	-64.50	1.09	5.87	V
	2340	-64.91	-13	-51.91	-67.31	1.37	5.92	V
	3120	-62.97	-13	-49.97	-66.86	1.64	7.68	V

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

LTE Band 13 / 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	-59.24	-13	-46.24	-61.87	1.09	5.87	H
	2332.77	-64.86	-13	-51.86	-67.26	1.37	5.92	H
	3110.36	-62.88	-13	-49.88	-66.77	1.64	7.68	H
	1554	-61.36	-13	-48.36	-63.99	1.09	5.87	V
	2332.77	-64.71	-13	-51.71	-67.11	1.37	5.92	V
	3110.36	-63.06	-13	-50.06	-66.95	1.64	7.68	V

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



LTE Band 38 / 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	5172	-65.04	-25	-40.04	-75.25	3.03	13.24	H
	7758.27	-61.05	-25	-36.05	-70.50	3.56	13.01	H
	10344.36	-57.61	-25	-32.61	-67.13	3.92	13.44	H
	5172	-64.29	-25	-39.29	-74.50	3.03	13.24	V
	7758.27	-60.72	-25	-35.72	-70.17	3.56	13.01	V
	10344.36	-57.90	-25	-32.90	-67.42	3.92	13.44	V

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

LTE Band 66 / 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	-51.40	-13	-38.40	-62.14	2.604	13.34	H
	5208	-56.29	-13	-43.29	-66.80	3.011	13.52	H
	6944.36	-52.46	-13	-39.46	-62.66	3.271	13.47	H
	3471	-49.65	-13	-36.65	-60.39	2.604	13.34	V
	5208	-56.12	-13	-43.12	-66.63	3.011	13.52	V
	6944.36	-51.81	-13	-38.81	-62.01	3.271	13.47	V

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