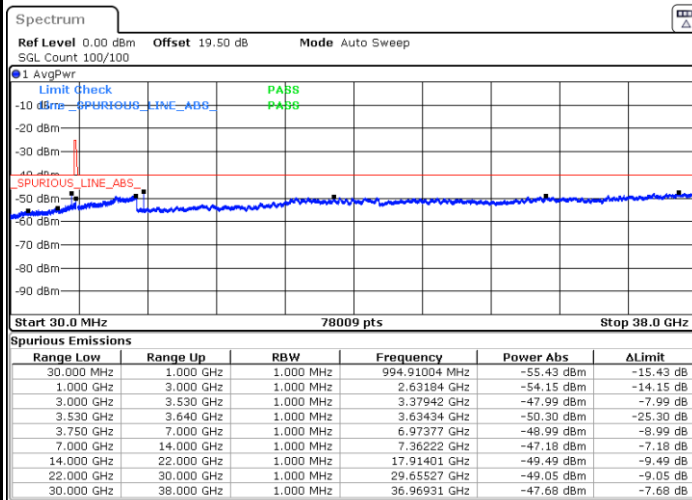




LTE Band 48 / 20MHz

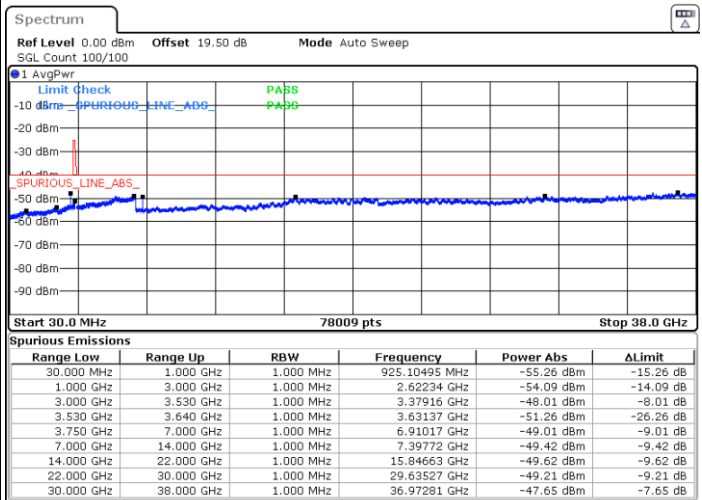
64QAM

Highest Channel / 1RB0



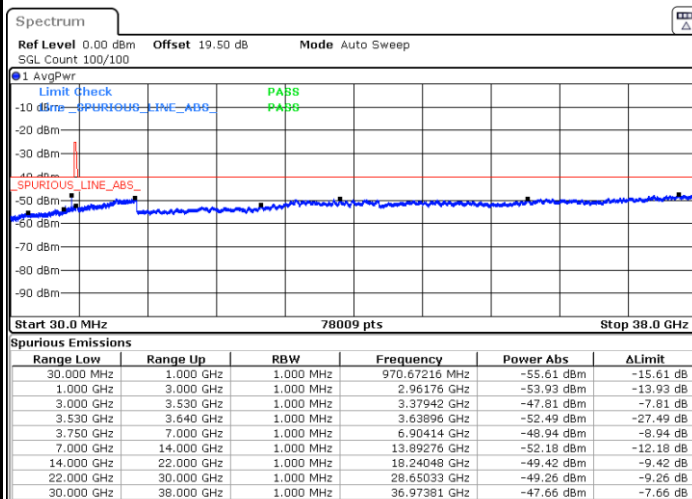
Date: 16.NOV.2020 21:43:35

Highest Channel / 1RBmax



Date: 16.NOV.2020 22:24:58

Highest Channel / Full RB



Date: 16.NOV.2020 21:28:48

N/A

Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0002	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0001	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0008	

Note:

1. Normal Voltage =7.74 V. ; Battery End Point (BEP) =7.2 V. ; Maximum Voltage =8.9 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 48 / 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	7232.00	-56.45	-40	-16.45	-55.91	-59.75	8.30	11.60	H
	10848.00	-52.00	-40	-12.00	-57.40	-53.52	10.48	12.00	H
	14464.00	-47.13	-40	-7.13	-58.02	-48.83	11.80	13.50	H
	7232.00	-56.31	-40	-16.31	-56.08	-59.61	8.30	11.60	V
	10848.00	-52.47	-40	-12.47	-57.5	-53.99	10.48	12.00	V
	14464.00	-47.91	-40	-7.91	-58.22	-49.61	11.80	13.50	V

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

LTE Band 48C / 20MHz + 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)
Lowest	7102.00	-55.81	-40	-15.81	-55.00	-59.11	8.30	11.60	H
	10653.00	-52.99	-40	-12.99	-57.78	-54.51	10.48	12.00	H
	14204.00	-47.76	-40	-7.76	-57.36	-49.46	11.80	13.50	H
	7102.00	-56.12	-40	-16.12	-55.72	-59.42	8.30	11.60	V
	10653.00	-53.70	-40	-13.70	-58.03	-55.22	10.48	12.00	V
	14204.00	-48.19	-40	-8.19	-57.34	-49.89	11.80	13.50	V
Middle	7212.50	-53.64	-40	-13.64	-53.05	-56.94	8.30	11.60	H
	10818.30	-52.12	-40	-12.12	-57.46	-53.64	10.48	12.00	H
	14682.00	-47.24	-40	-7.24	-58.24	-48.94	11.80	13.50	H
	7212.50	-53.47	-40	-13.47	-53.25	-56.77	8.30	11.60	V
	10818.00	-52.83	-40	-12.83	-57.79	-54.35	10.48	12.00	V
	14682.00	-48.48	-40	-8.48	-58.92	-50.18	11.80	13.50	V
Highest	7322.40	-56.63	-40	-16.63	-56.19	-59.93	8.30	11.60	H
	10983.60	-51.63	-40	-11.63	-57.47	-53.15	10.48	12.00	H
	14644.80	-47.03	-40	-7.03	-58.04	-48.73	11.80	13.50	H
	7322.40	-56.47	-40	-16.47	-56.19	-59.77	8.30	11.60	V
	10983.60	-52.24	-40	-12.24	-57.78	-53.76	10.48	12.00	V
	14644.80	-49.23	-40	-9.23	-59.67	-50.93	11.80	13.50	V

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