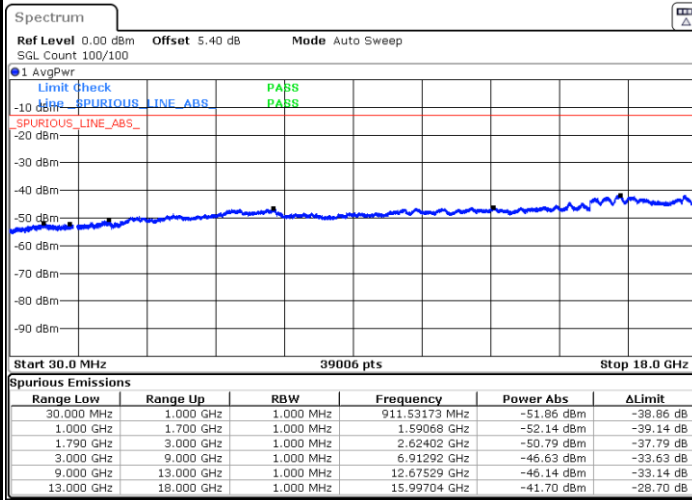




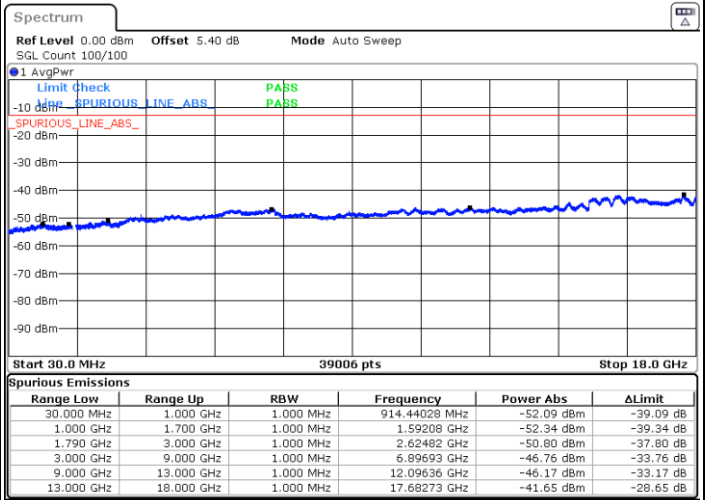
LTE Band 66 / 5MHz

Lowest Channel / QPSK



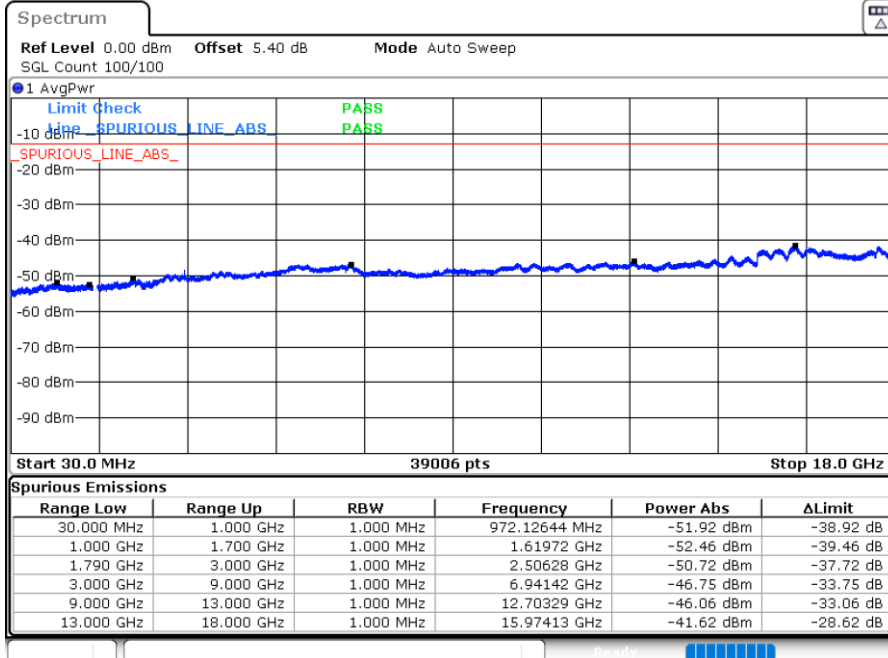
Date: 1.DEC.2024 03:41:37

Middle Channel / QPSK



Date: 1.DEC.2024 03:46:00

Highest Channel / QPSK

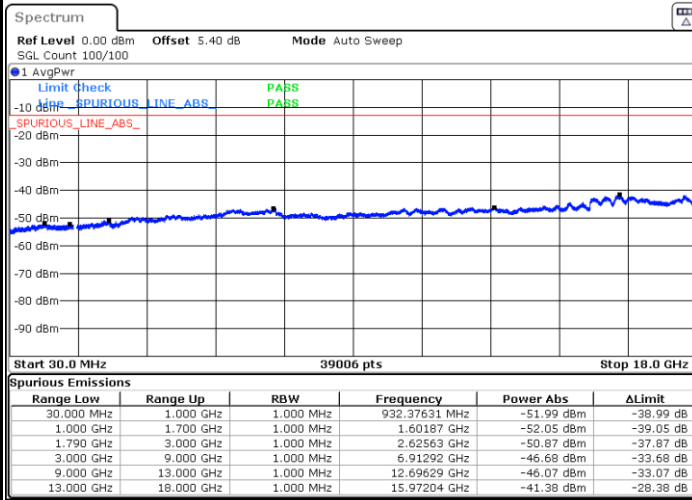


Date: 1.DEC.2024 03:46:56



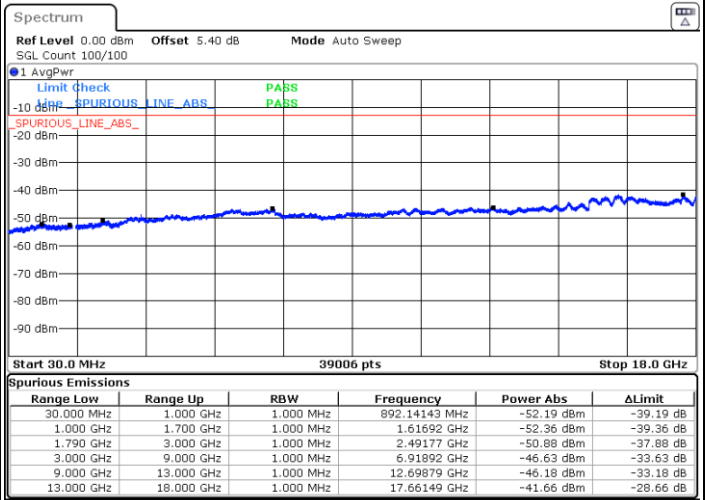
LTE Band 66 / 10MHz

Lowest Channel / QPSK



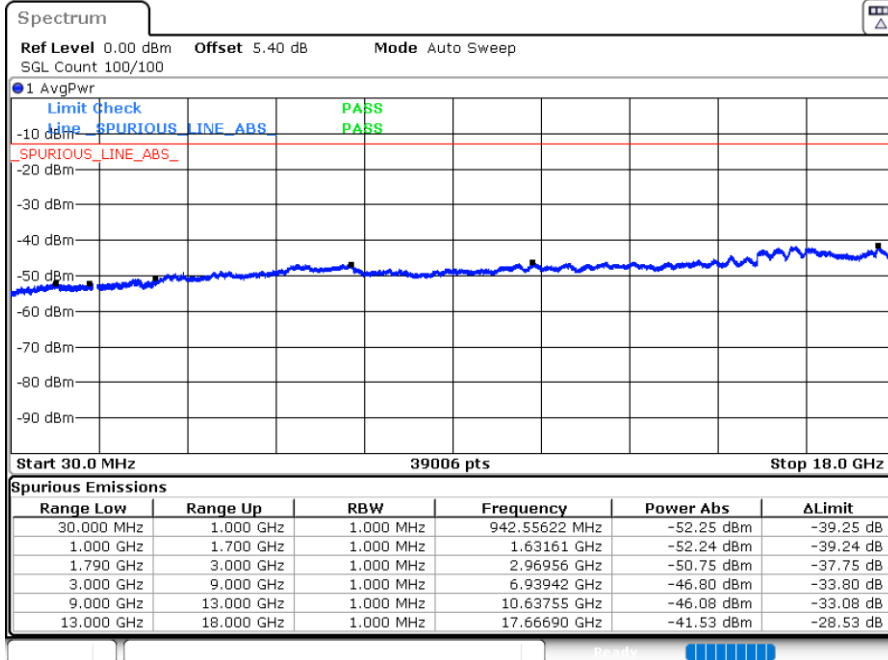
Date: 1.DEC.2024 03:52:16

Middle Channel / QPSK



Date: 1.DEC.2024 03:56:39

Highest Channel / QPSK

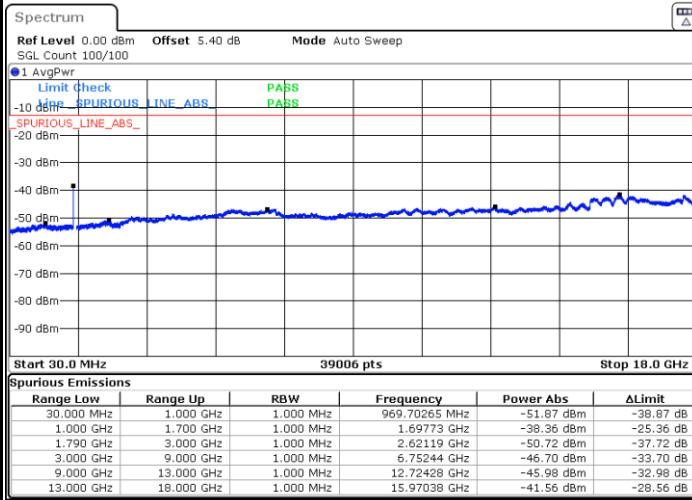


Date: 1.DEC.2024 03:57:35



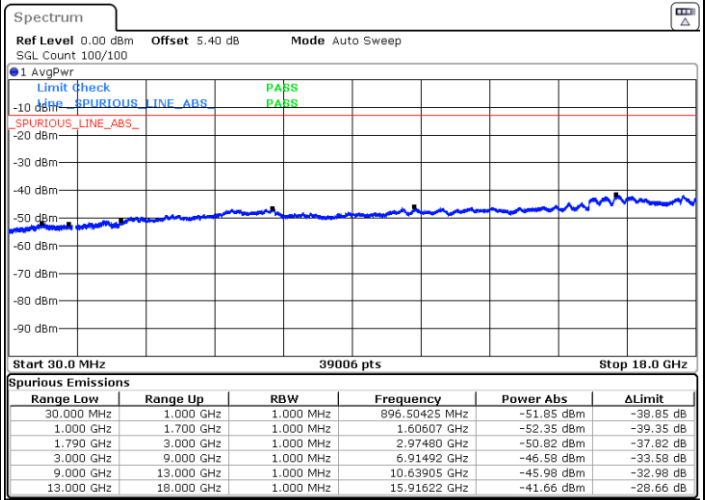
LTE Band 66 / 15MHz

Lowest Channel / QPSK



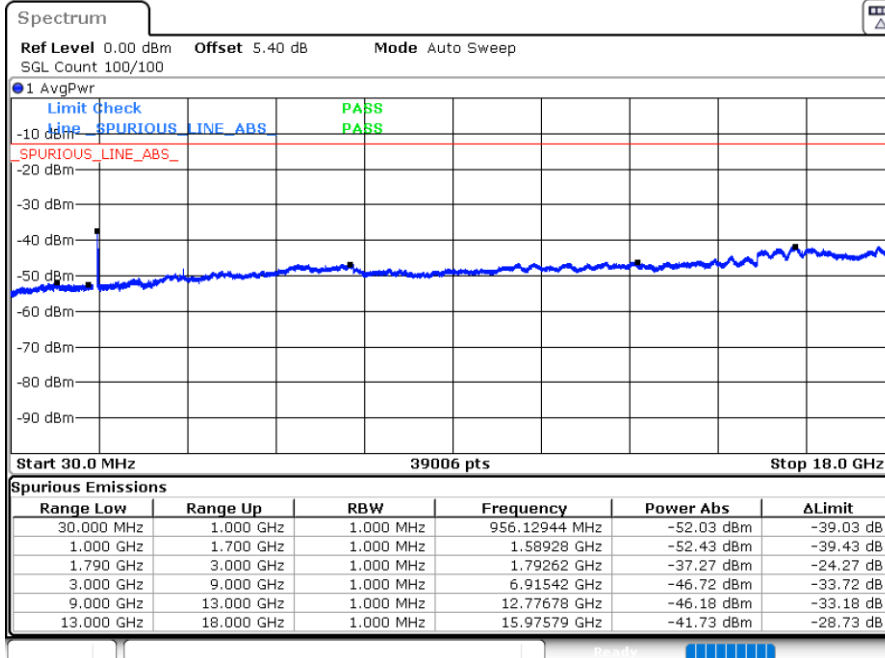
Date: 1.DEC.2024 04:02:53

Middle Channel / QPSK



Date: 1.DEC.2024 04:07:16

Highest Channel / QPSK

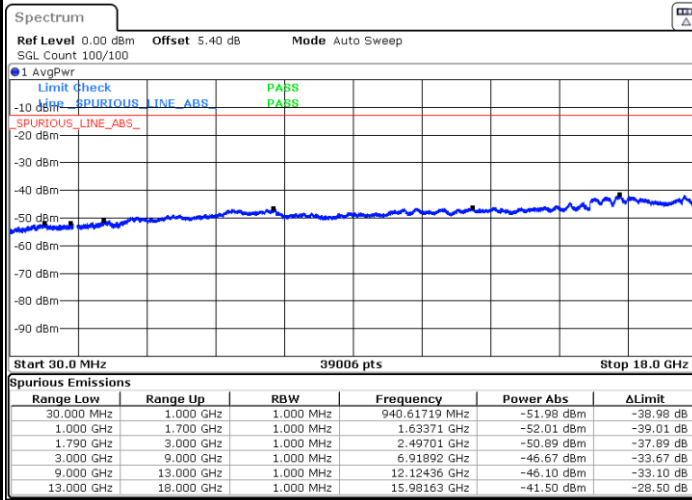


Date: 1.DEC.2024 04:08:12



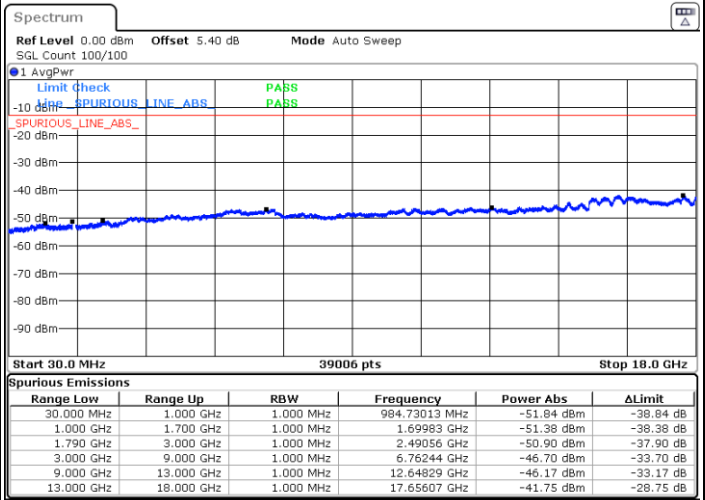
LTE Band 66 / 20MHz

Lowest Channel / QPSK



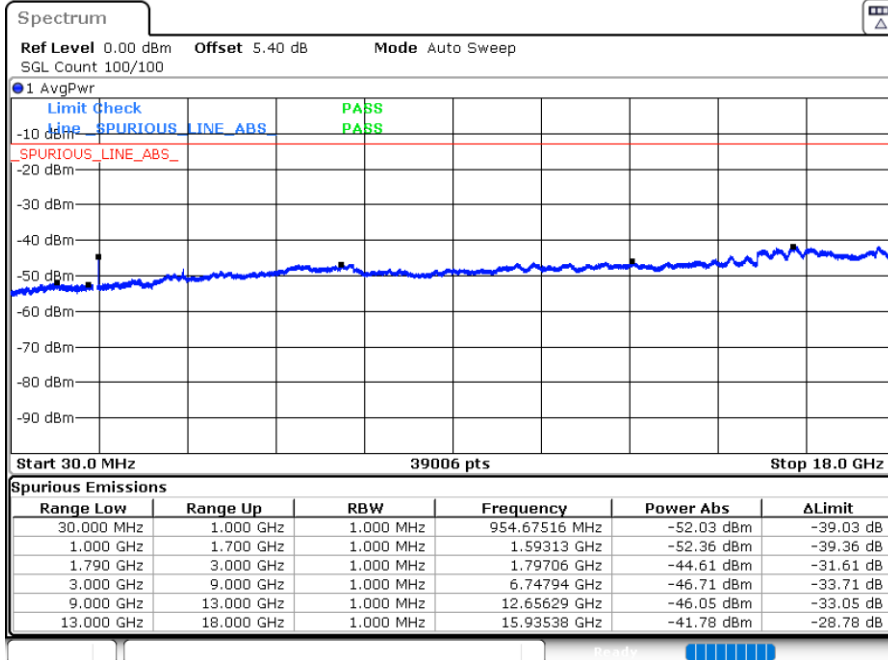
Date: 1.DEC.2024 04:13:31

Middle Channel / QPSK



Date: 1.DEC.2024 04:17:53

Highest Channel / QPSK



Date: 1.DEC.2024 04:18:49

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	0.0011	PASS
40	Normal Voltage	0.0012	
30	Normal Voltage	0.0052	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0020	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0031	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0022	
20	Minimum Voltage	0.0017	

Note:

1. Normal Voltage = 3.8V ; Minimum Voltage =3.2V. ; Maximum Voltage =4.75V
2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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

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)
Lowest	3705	-47.24	-13	-34.24	-59.50	2.64	14.90	H
	5550	-39.19	-13	-26.19	-51.05	2.94	14.80	H
	7410	-33.86	-13	-20.86	-43.63	3.39	13.16	H
	9255	-34.02	-13	-21.02	-44.50	4.00	14.48	H
	3705	-49.25	-13	-36.25	-61.51	2.64	14.90	V
	5550	-47.13	-13	-34.13	-58.99	2.94	14.80	V
	7410	-44.37	-13	-31.37	-54.14	3.39	13.16	V
	9255	-42.75	-13	-29.75	-53.23	4.00	14.48	V
Middle	3735	-45.05	-13	-32.05	-57.31	2.64	14.90	H
	5610	-40.88	-13	-27.88	-52.74	2.94	14.80	H
	7485	-39.02	-13	-26.02	-48.79	3.39	13.16	H
	9360	-34.70	-13	-21.70	-45.18	4.00	14.48	H
	3735	-51.02	-13	-38.02	-63.28	2.64	14.90	V
	5610	-50.58	-13	-37.58	-62.44	2.94	14.80	V
	7485	-47.24	-13	-34.24	-57.01	3.39	13.16	V
	9360	-44.79	-13	-31.79	-55.27	4.00	14.48	V
Highest	3780	-46.99	-13	-33.99	-59.25	2.64	14.90	H
	5670	-47.96	-13	-34.96	-59.82	2.94	14.80	H
	7560	-37.74	-13	-24.74	-47.51	3.39	13.16	H
	9450	-33.90	-13	-20.90	-44.38	4.00	14.48	H
	3780	-51.12	-13	-38.12	-63.38	2.64	14.90	V
	5670	-48.52	-13	-35.52	-60.38	2.94	14.80	V
	7560	-46.34	-13	-33.34	-56.11	3.39	13.16	V
	9450	-44.02	-13	-31.02	-54.50	4.00	14.48	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)
Lowest	1648	-64.70	-13	-51.70	-71.67	1.58	10.70	H
	2472	-60.31	-13	-47.31	-68.56	2.102	12.50	H
	3296	-59.61	-13	-46.61	-68.50	2.856	13.90	H
	1648	-63.66	-13	-50.66	-70.63	1.58	10.70	V
	2472	-58.53	-13	-45.53	-66.78	2.10	12.50	V
	3296	-58.98	-13	-45.98	-67.87	2.86	13.90	V
Middle	1664	-63.91	-13	-50.91	-70.88	1.58	10.70	H
	2496	-60.41	-13	-47.41	-68.66	2.102	12.50	H
	3328	-59.61	-13	-46.61	-68.50	2.856	13.90	H
	1664	-62.84	-13	-49.84	-69.81	1.58	10.70	V
	2496	-58.99	-13	-45.99	-67.24	2.10	12.50	V
	3328	-59.43	-13	-46.43	-68.32	2.86	13.90	V
Highest	1680	-62.64	-13	-49.64	-69.61	1.58	10.70	H
	2520	-59.72	-13	-46.72	-67.97	2.102	12.50	H
	3360	-58.95	-13	-45.95	-67.84	2.856	13.90	H
	1680	-62.23	-13	-49.23	-69.20	1.58	10.70	V
	2520	-59.13	-13	-46.13	-67.38	2.10	12.50	V
	3360	-59.26	-13	-46.26	-68.15	2.86	13.90	V

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



LTE Band 25 / 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)
Lowest	3705	-45.19	-13	-32.19	-57.45	2.64	14.90	H
	5550	-37.51	-13	-24.51	-49.37	2.94	14.80	H
	7410	-30.64	-13	-17.64	-40.41	3.39	13.16	H
	9255	-31.45	-13	-18.45	-41.93	4.00	14.48	H
	3705	-50.63	-13	-37.63	-62.89	2.64	14.90	V
	5550	-46.62	-13	-33.62	-58.48	2.94	14.80	V
	7410	-45.69	-13	-32.69	-55.46	3.39	13.16	V
	9255	-44.93	-13	-31.93	-55.41	4.00	14.48	V
Middle	3750	-43.80	-13	-30.80	-56.06	2.64	14.90	H
	5625	-35.55	-13	-22.55	-47.41	2.94	14.80	H
	7500	-29.96	-13	-16.96	-39.73	3.39	13.16	H
	9360	-28.88	-13	-15.88	-39.36	4.00	14.48	H
	3750	-50.32	-13	-37.32	-62.58	2.64	14.90	V
	5625	-48.58	-13	-35.58	-60.44	2.94	14.80	V
	7500	-46.13	-13	-33.13	-55.90	3.39	13.16	V
	9360	-44.50	-13	-31.50	-54.98	4.00	14.48	V
Highest	3795	-45.19	-13	-32.19	-57.45	2.64	14.90	H
	5685	-38.03	-13	-25.03	-49.89	2.94	14.80	H
	7590	-32.07	-13	-19.07	-41.84	3.39	13.16	H
	9480	-31.34	-13	-18.34	-41.82	4.00	14.48	H
	3795	-51.28	-13	-38.28	-63.54	2.64	14.90	V
	5685	-48.07	-13	-35.07	-59.93	2.94	14.80	V
	7590	-46.11	-13	-33.11	-55.88	3.39	13.16	V
	9480	-45.25	-13	-32.25	-55.73	4.00	14.48	V

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



LTE Band 26 / 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)
Lowest	1648	-64.35	-13	-51.35	-71.32	1.58	10.70	H
	2472	-59.50	-13	-46.50	-67.75	2.102	12.50	H
	3296	-59.05	-13	-46.05	-67.94	2.856	13.90	H
	1648	-63.62	-13	-50.62	-70.59	1.58	10.70	V
	2472	-58.04	-13	-45.04	-66.29	2.10	12.50	V
	3296	-59.12	-13	-46.12	-68.01	2.86	13.90	V
Middle	1656	-64.39	-13	-51.39	-71.36	1.58	10.70	H
	2488	-60.50	-13	-47.50	-68.75	2.102	12.50	H
	3320	-59.58	-13	-46.58	-68.47	2.856	13.90	H
	1656	-63.39	-13	-50.39	-70.36	1.58	10.70	V
	2488	-58.20	-13	-45.20	-66.45	2.10	12.50	V
	3320	-59.28	-13	-46.28	-68.17	2.86	13.90	V
Highest	1672	-63.43	-13	-50.43	-70.40	1.58	10.70	H
	2504	-59.82	-13	-46.82	-68.07	2.102	12.50	H
	3336	-59.02	-13	-46.02	-67.91	2.856	13.90	H
	1672	-62.77	-13	-49.77	-69.74	1.58	10.70	V
	2504	-58.82	-13	-45.82	-67.07	2.10	12.50	V
	3336	-59.37	-13	-46.37	-68.26	2.86	13.90	V

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



LTE Band 66 / 20MHz / QPSK_ANT1								
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	3420	-48.11	-13	-35.11	-58.85	2.604	13.34	H
	5130	-46.59	-13	-33.59	-57.10	3.011	13.52	H
	6840	-28.81	-13	-15.81	-39.01	3.271	13.47	H
	8550	-36.12	-13	-23.12	-43.09	5.527	12.5	H
	3420	-50.88	-13	-37.88	-61.62	2.604	13.34	V
	5130	-55.01	-13	-42.01	-65.52	3.011	13.52	V
	6840	-45.64	-13	-32.64	-55.84	3.271	13.47	V
	8550	-49.84	-13	-36.84	-56.81	5.527	12.50	V
Middle	3465	-56.59	-13	-43.59	-67.33	2.604	13.34	H
	5205	-54.61	-13	-41.61	-65.12	3.011	13.52	H
	6945	-40.24	-13	-27.24	-50.44	3.271	13.47	H
	8685	-48.04	-13	-35.04	-55.01	5.527	12.5	H
	3465	-52.21	-13	-39.21	-62.95	2.604	13.34	V
	5205	-55.57	-13	-42.57	-66.08	3.011	13.52	V
	6945	-48.78	-13	-35.78	-58.98	3.271	13.47	V
	8685	-51.05	-13	-38.05	-58.02	5.527	12.50	V
Highest	3525	-44.43	-13	-31.43	-55.17	2.604	13.34	H
	5280	-41.92	-13	-28.92	-52.43	3.011	13.52	H
	7050	-27.20	-13	-14.20	-37.40	3.271	13.47	H
	8805	-30.99	-13	-17.99	-37.96	5.527	12.5	H
	3525	-48.90	-13	-35.90	-59.64	2.604	13.34	V
	5280	-54.10	-13	-41.10	-64.61	3.011	13.52	V
	7050	-44.84	-13	-31.84	-55.04	3.271	13.47	V
	8805	-46.69	-13	-33.69	-53.66	5.527	12.50	V

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