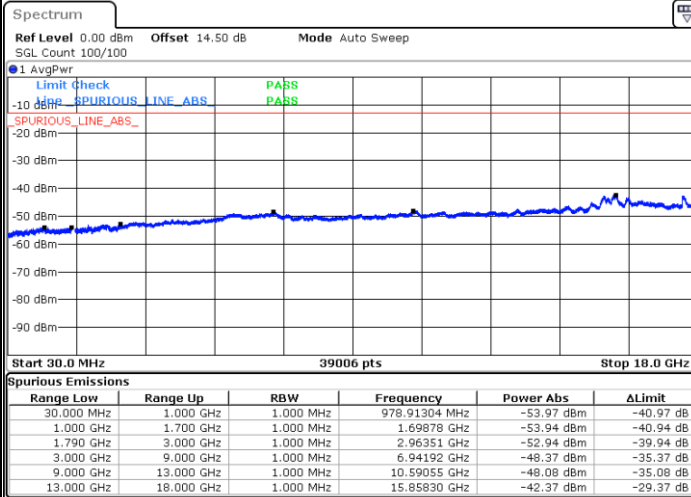




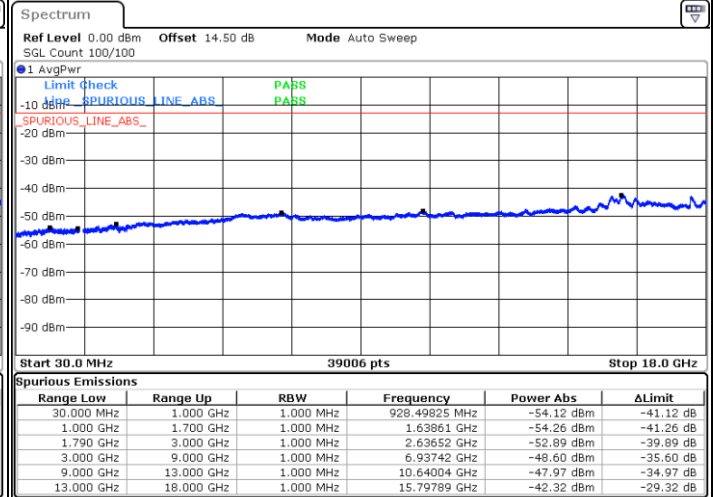
LTE Band 66 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

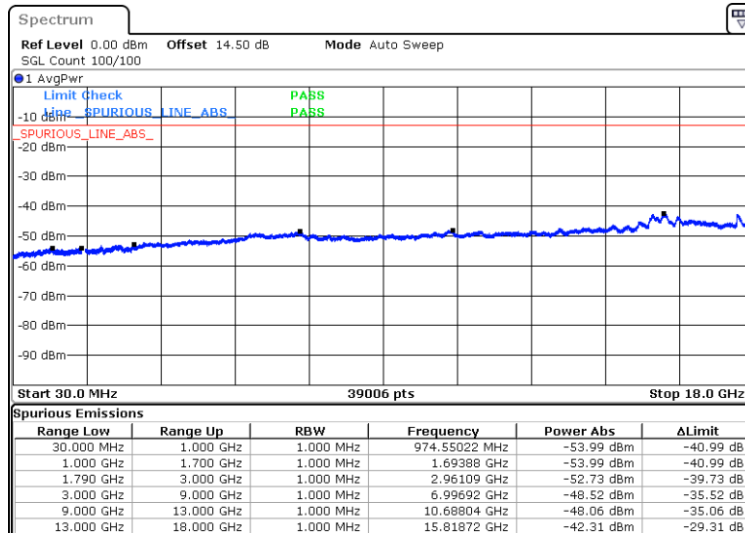


Date: 22.JUL.2024 10:33:51



Date: 22.JUL.2024 10:36:58

Highest Channel / QPSK

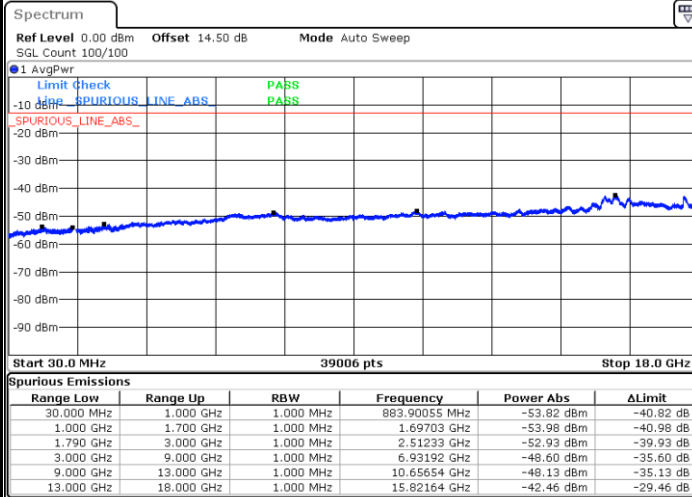


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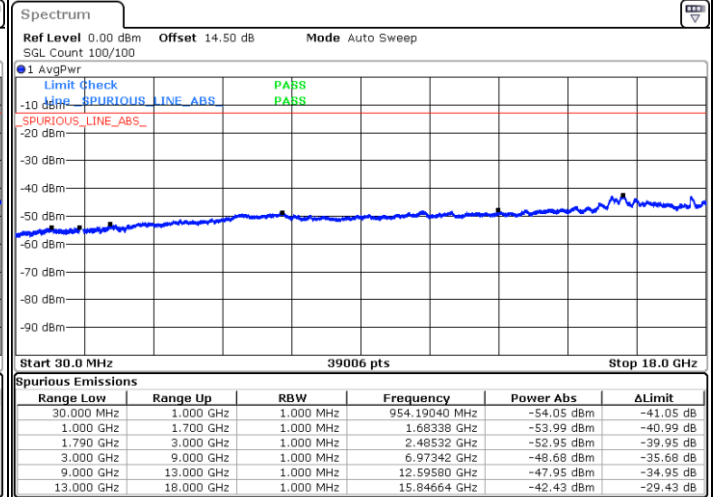
LTE Band 66 / 5MHz

Lowest Channel / QPSK



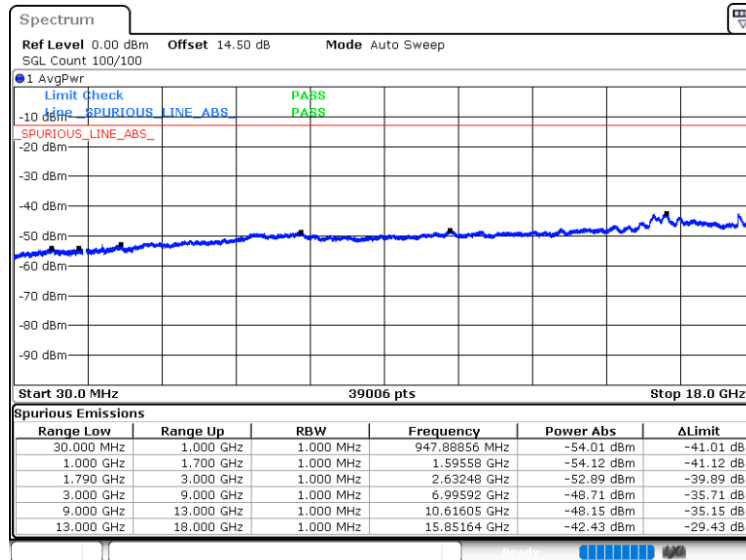
Date: 22.JUL.2024 10:59:51

Middle Channel / QPSK



Date: 22.JUL.2024 11:02:57

Highest Channel / QPSK



Date: 22.JUL.2024 11:09:32

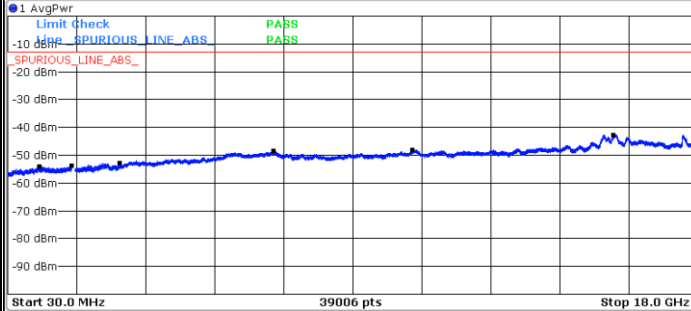


LTE Band 66 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

Spectrum

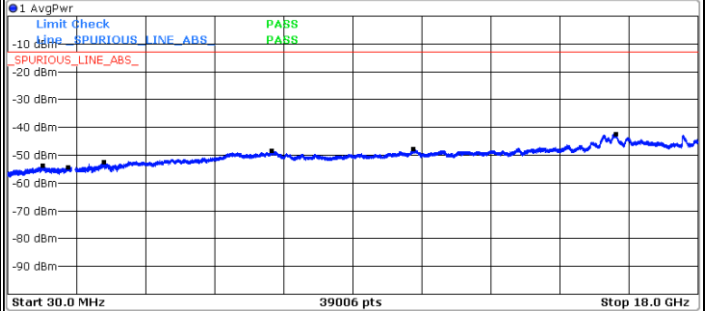
Ref Level 0.00 dBm Offset 14.50 dB Mode Auto Sweep
SGL Count 100/100

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	850.93703 MHz	-54.14 dBm	-41.14 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69808 GHz	-53.80 dBm	-40.80 dB
1.700 GHz	3.000 GHz	1.000 MHz	2.95141 GHz	-52.93 dBm	-39.93 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93542 GHz	-48.58 dBm	-35.58 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.56855 GHz	-48.14 dBm	-35.14 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.79498 GHz	-42.62 dBm	-29.62 dB

Date: 22.JUL.2024 11:38:48

Spectrum

Ref Level 0.00 dBm Offset 14.50 dB Mode Auto Sweep
SGL Count 100/100

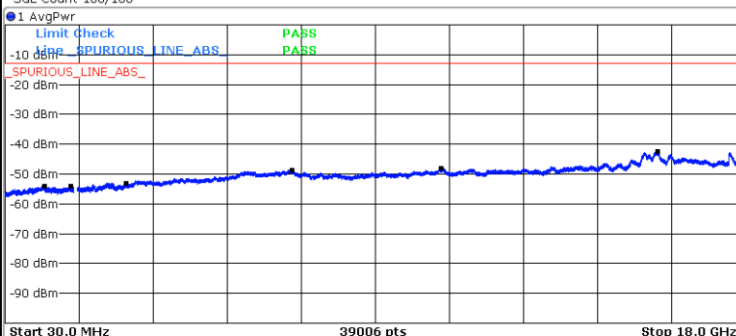
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.88856 MHz	-53.86 dBm	-40.86 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.59523 GHz	-54.26 dBm	-41.26 dB
1.700 GHz	3.000 GHz	1.000 MHz	2.53935 GHz	-52.60 dBm	-39.60 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.91092 GHz	-48.52 dBm	-35.52 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.58855 GHz	-47.82 dBm	-34.82 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.86539 GHz	-42.55 dBm	-29.55 dB

Date: 22.JUL.2024 11:39:49

Highest Channel / QPSK

Spectrum

Ref Level 0.00 dBm Offset 14.50 dB Mode Auto Sweep
SGL Count 100/100

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	984.24538 MHz	-54.05 dBm	-41.05 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63196 GHz	-54.18 dBm	-41.18 dB
1.700 GHz	3.000 GHz	1.000 MHz	2.96109 GHz	-53.08 dBm	-40.08 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98792 GHz	-48.70 dBm	-35.70 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.61155 GHz	-48.15 dBm	-35.15 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.86997 GHz	-42.58 dBm	-29.58 dB

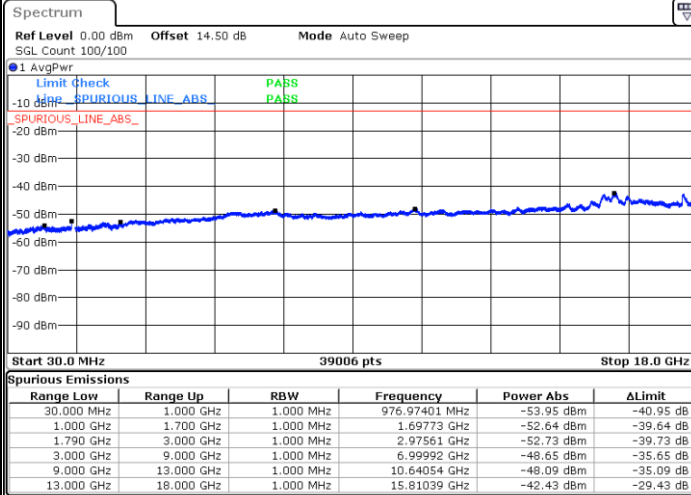
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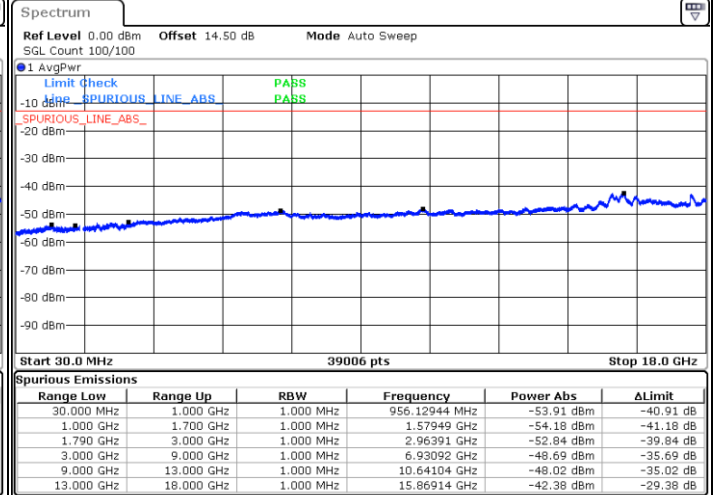
LTE Band 66 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

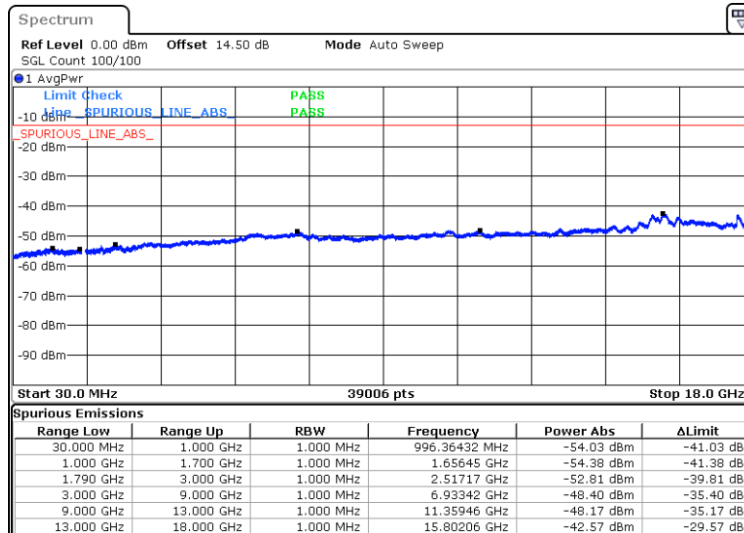


Date: 22.JUL.2024 11:55:14



Date: 22.JUL.2024 11:56:15

Highest Channel / QPSK

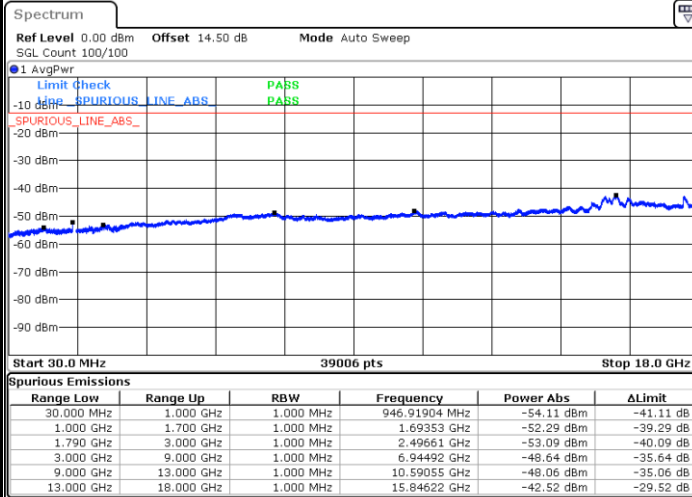


Date: 22.JUL.2024 12:02:49



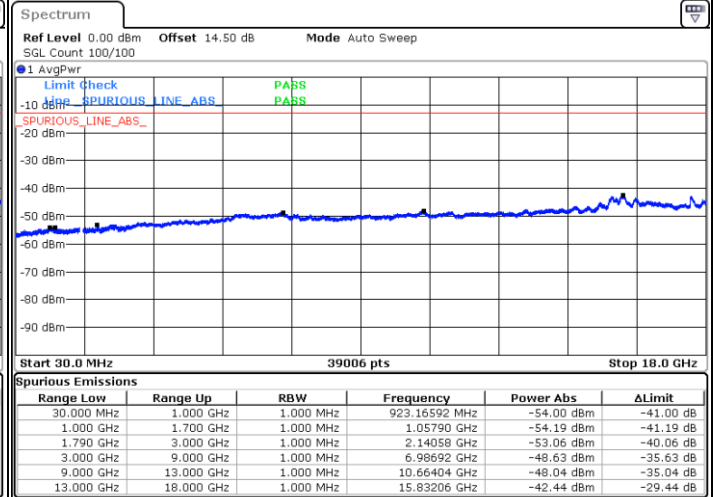
LTE Band 66 / 20MHz

Lowest Channel / QPSK



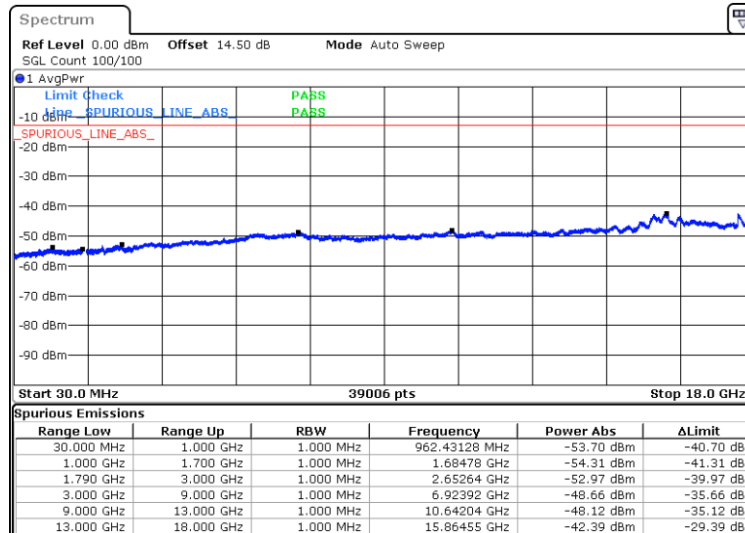
Date: 22.JUL.2024 12:08:51

Middle Channel / QPSK



Date: 22.JUL.2024 12:09:52

Highest Channel / QPSK



Date: 22.JUL.2024 12:17:53

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	0.0001	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0009	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0002	

Note:

- Normal Voltage = 3.85 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.4 V.
- The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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

LTE Band 25 / 20MHz / QPSK/ANT1									
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	3702	-56.78	-13	-43.78	-79.96	-63.54	5.82	12.58	H
	5553	-56.69	-13	-43.69	-81.44	-62.41	7.28	13.00	H
	7404	-54.04	-13	-41.04	-81.42	-57.20	8.32	11.48	H
	3702	-54.58	-13	-41.58	-79.45	-61.34	5.82	12.58	V
	5553	-56.53	-13	-43.53	-81.71	-62.25	7.28	13.00	V
	7404	-53.81	-13	-40.81	-81.16	-56.97	8.32	11.48	V
Middle	3747	-57.09	-13	-44.09	-79.58	-63.84	5.85	12.60	H
	5620.5	-55.62	-13	-42.62	-80.12	-61.42	7.30	13.10	H
	7494	-54.49	-13	-41.49	-81.49	-57.64	8.35	11.50	H
	3747	-54.89	-13	-41.89	-80.54	-61.64	5.85	12.60	V
	5620.5	-56.07	-13	-43.07	-81.07	-61.87	7.30	13.10	V
	7494	-54.21	-13	-41.21	-81.2	-57.36	8.35	11.50	V
Highest	3792	-57.07	-13	-44.07	-80.43	-63.81	5.88	12.62	H
	5688	-55.96	-13	-42.96	-80.62	-61.77	7.32	13.13	H
	7584	-54.99	-13	-41.99	-81.69	-58.15	8.38	11.54	H
	3792	-55.84	-13	-42.84	-80.69	-62.58	5.88	12.62	V
	5688	-56.08	-13	-43.08	-81.09	-61.89	7.32	13.13	V
	7584	-55.21	-13	-42.21	-81.91	-58.37	8.38	11.54	V

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



LTE Band 26 / 15MHz / QPSK/ANT1									
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)
Lowest	1649.5	-64.93	-13	-51.93	-77.02	-68.16	3.98	9.36	H
	2474.25	-61.07	-13	-48.07	-80.32	-64.62	4.85	10.55	H
	3299	-58.83	-13	-45.83	-79.88	-63.76	5.50	12.58	H
	1649.5	-64.32	-13	-51.32	-77.05	-67.55	3.98	9.36	V
	2474.25	-60.64	-13	-47.64	-80.21	-64.19	4.85	10.55	V
	3299	-57.60	-13	-44.60	-79.54	-62.53	5.50	12.58	V
Middle	1659.5	-64.49	-13	-51.49	-76.69	-67.74	4.00	9.40	H
	2489.25	-61.40	-13	-48.40	-80.78	-64.97	4.88	10.60	H
	3319	-58.98	-13	-45.98	-80.13	-63.91	5.52	12.60	H
	1659.5	-64.03	-13	-51.03	-76.90	-67.28	4.00	9.40	V
	2489.25	-60.97	-13	-47.97	-80.61	-64.54	4.88	10.60	V
	3319	-58.49	-13	-45.49	-80.34	-63.42	5.52	12.60	V
Highest	1669.5	-64.74	-13	-51.74	-76.94	-67.91	4.10	9.42	H
	2504.25	-61.20	-13	-48.20	-80.57	-64.78	4.90	10.63	H
	3339	-59.08	-13	-46.08	-80.42	-64.00	5.55	12.62	H
	1669.5	-64.11	-13	-51.11	-76.98	-67.28	4.10	9.42	V
	2504.25	-61.11	-13	-48.11	-80.74	-64.69	4.90	10.63	V
	3339	-58.11	-13	-45.11	-79.75	-63.03	5.55	12.62	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3422	-59.07	-13	-46.07	-79.94	-65.95	5.60	12.48	H
	5133	-56.54	-13	-43.54	-81.00	-62.22	7.10	12.78	H
	6844	-54.97	-13	-41.97	-81.03	-58.36	8.38	11.77	H
	3422	-58.32	-13	-45.32	-80.39	-65.20	5.60	12.48	V
	5133	-56.00	-13	-43.00	-81.2	-61.68	7.10	12.78	V
	6844	-51.77	-13	-38.77	-79.66	-55.16	8.38	11.77	V
Middle	3472	-58.43	-13	-45.43	-80.68	-65.28	5.65	12.50	H
	5208	-56.51	-13	-43.51	-81.42	-62.18	7.13	12.80	H
	6944	-55.03	-13	-42.03	-81.36	-58.43	8.40	11.80	H
	3472	-57.95	-13	-44.95	-80	-64.80	5.65	12.50	V
	5208	-56.10	-13	-43.10	-81.18	-61.77	7.13	12.80	V
	6944	-53.71	-13	-40.71	-80.77	-57.11	8.40	11.80	V
Highest	3522	-57.97	-13	-44.97	-80.59	-64.81	5.68	12.52	H
	5283	-56.40	-13	-43.40	-81.45	-62.07	7.15	12.82	H
	7044	-54.93	-13	-41.93	-81.58	-58.36	8.42	11.85	H
	3522	-57.28	-13	-44.28	-80.3	-64.12	5.68	12.52	V
	5283	-56.48	-13	-43.48	-81.32	-62.15	7.15	12.82	V
	7044	-53.96	-13	-40.96	-81.28	-57.39	8.42	11.85	V

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