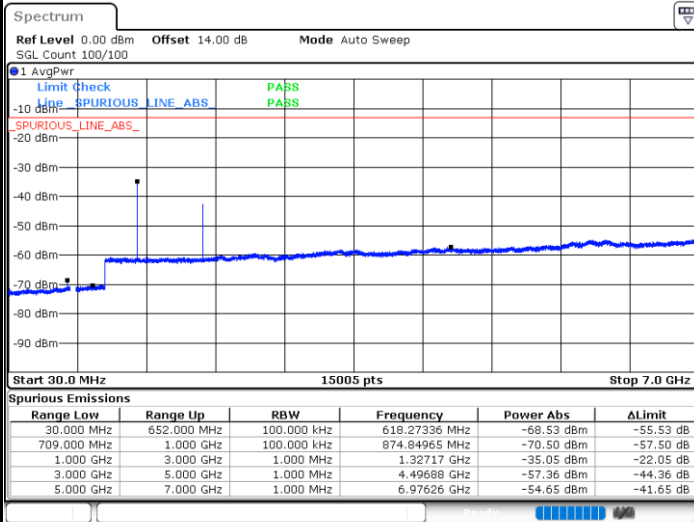




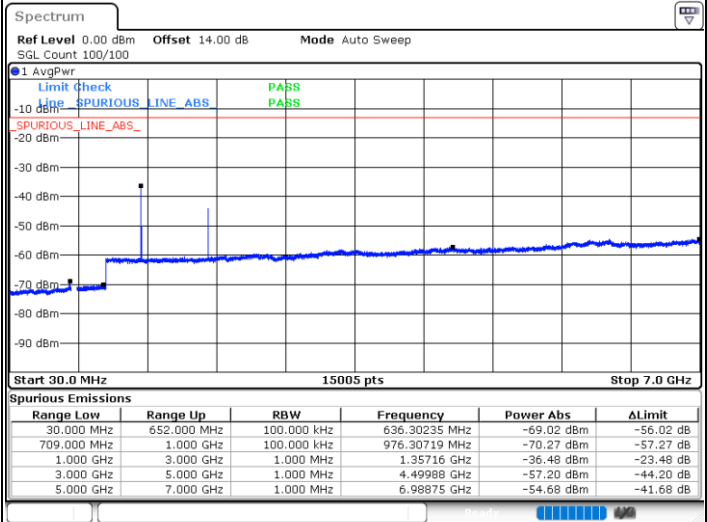
LTE Band 71 / 5MHz

Lowest Channel / 64QAM



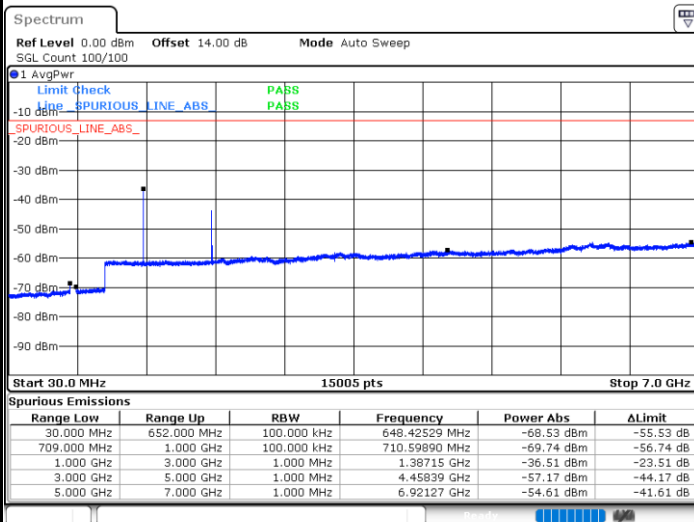
Date: 5.NOV.2021 19:39:36

Middle Channel / 64QAM



Date: 5.NOV.2021 19:41:29

Highest Channel / 64QAM

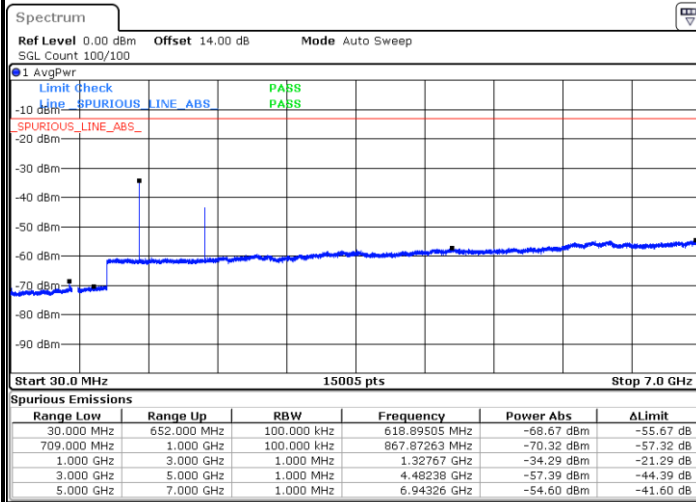


Date: 5.NOV.2021 19:45:15



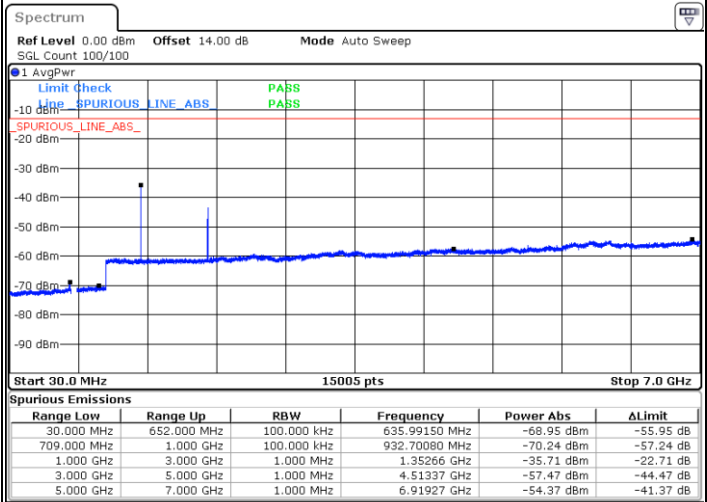
LTE Band 71 / 10MHz

Lowest Channel / 64QAM



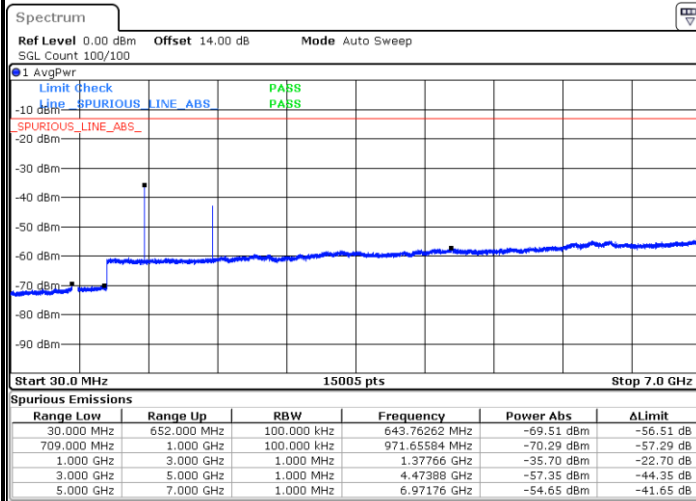
Date: 5.NOV.2021 20:08:27

Middle Channel / 64QAM



Date: 5.NOV.2021 20:10:20

Highest Channel / 64QAM

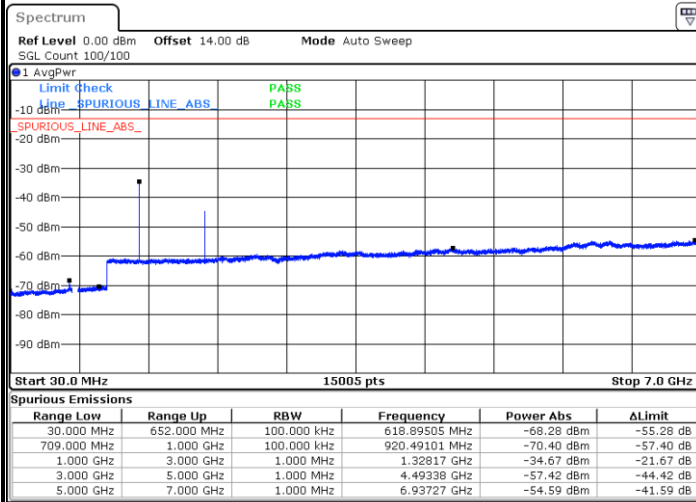


Date: 5.NOV.2021 20:14:04



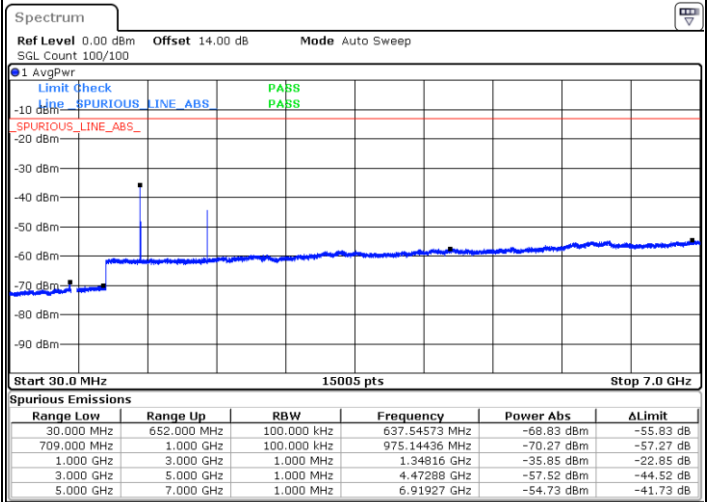
LTE Band 71 / 15MHz

Lowest Channel / 64QAM



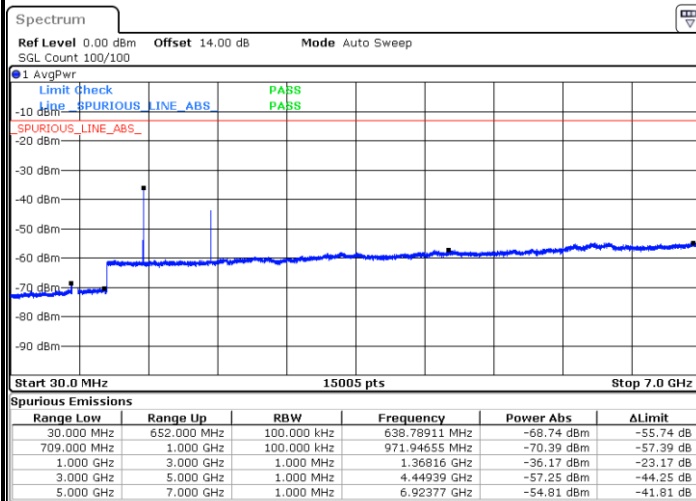
Date: 5.NOV.2021 20:37:24

Middle Channel / 64QAM



Date: 5.NOV.2021 20:39:18

Highest Channel / 64QAM

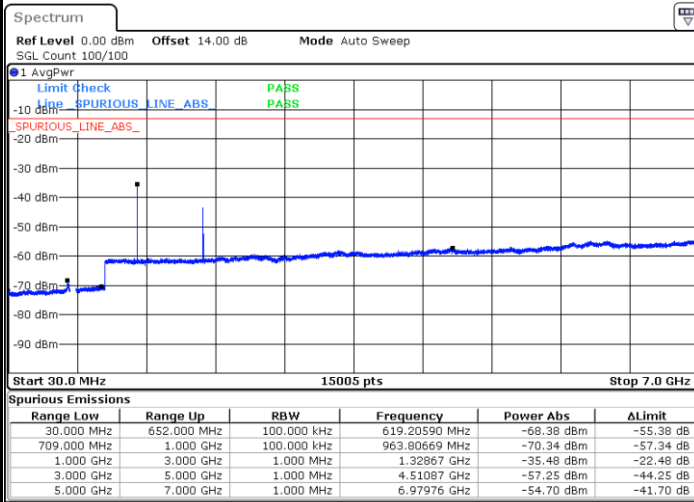


Date: 5.NOV.2021 20:43:03



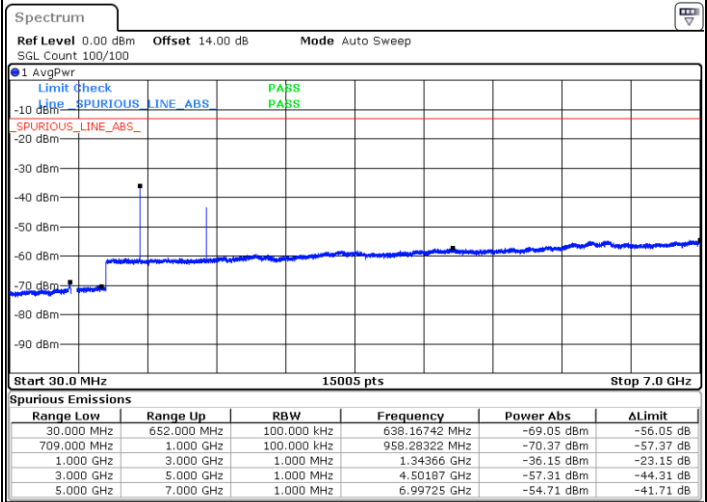
LTE Band 71 / 20MHz

Lowest Channel / 64QAM



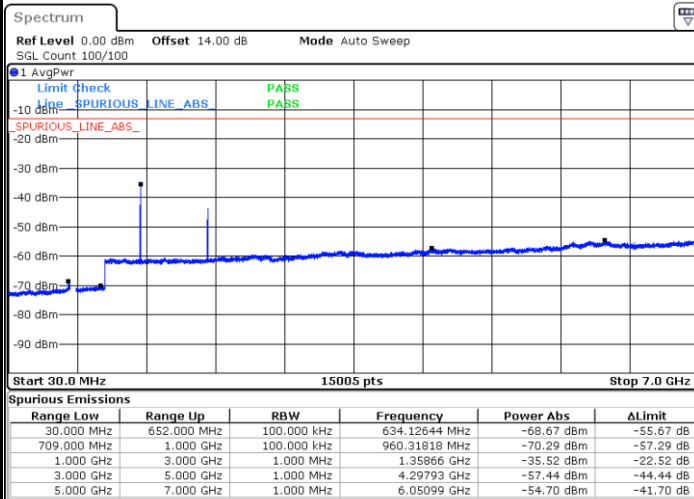
Date: 5.NOV.2021 21:06:24

Middle Channel / 64QAM



Date: 5.NOV.2021 21:08:18

Highest Channel / 64QAM



Date: 5.NOV.2021 21:12:00

Frequency Stability

Test Conditions		LTE Band 71 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0043	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0010	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0015	
20	Maximum Voltage	0.0004	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0013	

Note:

1. Normal Voltage =7.74 V. ; Battery End Point (BEP) =6.6 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

Test Engineer :	Shunping You	Temperature :	22~25°C
		Relative Humidity :	48~52%

Ant.0:

LTE Band 12 / 10MHz / QPSK									
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)
Middle	1406	-64.79	-42.15	-22.64	-75.87	-68.04	4.00	9.40	H
	2109	-64.15	-13	-51.15	-77.27	-67.72	4.88	10.60	H
	2812	-61.38	-13	-48.38	-78.54	-66.31	5.52	12.60	H
	1406	-65.17	-42.15	-23.02	-75.90	-68.42	4.00	9.40	V
	2109	-63.90	-13	-50.90	-77.51	-67.47	4.88	10.60	V
	2812	-61.69	-13	-48.69	-78.57	-66.62	5.52	12.60	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1559.5	-65.67	-42.15	-23.52	-76.03	-68.92	4.00	9.40	H
	2339.25	-45.95	-13	-32.95	-61.15	-49.52	4.88	10.60	H
	3119	-60.09	-13	-47.09	-78.57	-65.02	5.52	12.60	H
	1559.5	-65.56	-42.15	-23.41	-76.00	-68.81	4.00	9.40	V
	2339.25	-45.72	-13	-32.72	-60.92	-49.29	4.88	10.60	V
	3119	-59.92	-13	-46.92	-78.44	-64.85	5.52	12.60	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1559.5	-65.44	-42.15	-23.29	-75.80	-68.69	4.00	9.40	H
	2339.25	-58.59	-13	-45.59	-73.79	-62.16	4.88	10.60	H
	3119	-60.09	-13	-47.09	-78.57	-65.02	5.52	12.60	H
	1559.5	-65.48	-42.15	-23.33	-75.92	-68.73	4.00	9.40	V
	2339.25	-56.17	-13	-43.17	-71.37	-59.74	4.88	10.60	V
	3119	-59.81	-13	-46.81	-78.33	-64.74	5.52	12.60	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1659.5	-66.21	-13	-53.21	-76.39	-69.46	4.00	9.40	H
	2489.25	-48.38	-13	-35.38	-63.50	-51.95	4.88	10.60	H
	3319	-61.49	-13	-48.49	-79.09	-66.42	5.52	12.60	H
	1659.5	-62.85	-13	-49.85	-72.63	-66.10	4.00	9.40	V
	2489.25	-60.24	-13	-47.24	-75.32	-63.81	4.88	10.60	V
	3319	-61.71	-13	-48.71	-79.09	-66.64	5.52	12.60	V

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

LTE Band 71 / 20MHz / QPSK									
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)
Middle	1348	-64.89	-13	-51.89	-75.27	-68.14	4.00	9.40	H
	2022	-64.98	-13	-51.98	-76.29	-68.55	4.88	10.60	H
	2698	-62.14	-13	-49.14	-78.47	-67.07	5.52	12.60	H
	1348	-65.19	-13	-52.19	-75.20	-68.44	4.00	9.40	V
	2022	-65.90	-13	-52.90	-77.10	-69.47	4.88	10.60	V
	2698	-61.93	-13	-48.93	-78.30	-66.86	5.52	12.60	V

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

Ant.1:

LTE Band 12 / 10MHz / QPSK									
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)
Middle	1406	-60.52	-42.15	-18.37	-71.60	-63.77	4.00	9.40	H
	2109	-63.21	-13	-50.21	-76.33	-66.78	4.88	10.60	H
	2812	-61.17	-13	-48.17	-78.33	-66.10	5.52	12.60	H
	1406	-64.43	-42.15	-22.28	-75.16	-67.68	4.00	9.40	V
	2109	-60.01	-13	-47.01	-73.62	-63.58	4.88	10.60	V
	2812	-61.51	-13	-48.51	-78.39	-66.44	5.52	12.60	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1559.5	-65.21	-42.15	-23.06	-75.57	-68.46	4.00	9.40	H
	2339.25	-48.37	-13	-35.37	-63.57	-51.94	4.88	10.60	H
	3119	-59.83	-13	-46.83	-78.31	-64.76	5.52	12.60	H
	1559.5	-65.57	-42.15	-23.42	-76.01	-68.82	4.00	9.40	V
	2339.25	-45.67	-13	-32.67	-60.87	-49.24	4.88	10.60	V
	3119	-60.20	-13	-47.20	-78.72	-65.13	5.52	12.60	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1559.5	-65.62	-42.15	-23.47	-75.98	-68.87	4.00	9.40	H
	2339.25	-54.18	-13	-41.18	-69.38	-57.75	4.88	10.60	H
	3119	-59.77	-13	-46.77	-78.25	-64.70	5.52	12.60	H
	1559.5	-65.69	-42.15	-23.54	-76.13	-68.94	4.00	9.40	V
	2339.25	-47.93	-13	-34.93	-63.13	-51.50	4.88	10.60	V
	3119	-59.88	-13	-46.88	-78.40	-64.81	5.52	12.60	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1659.5	-66.16	-13	-53.16	-76.34	-69.41	4.00	9.40	H
	2489.25	-52.75	-13	-39.75	-67.87	-56.32	4.88	10.60	H
	3319	-61.36	-13	-48.36	-78.96	-66.29	5.52	12.60	H
	1659.5	-66.73	-13	-53.73	-76.51	-69.98	4.00	9.40	V
	2489.25	-61.96	-13	-48.96	-77.04	-65.53	4.88	10.60	V
	3319	-61.88	-13	-48.88	-79.26	-66.81	5.52	12.60	V

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



LTE Band 71 / 20MHz / QPSK									
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)
Middle	1348	-63.25	-13	-50.25	-73.63	-66.50	4.00	9.40	H
	2022	-58.21	-13	-45.21	-69.52	-61.78	4.88	10.60	H
	2698	-62.00	-13	-49.00	-78.33	-66.93	5.52	12.60	H
	1348	-62.14	-13	-49.14	-72.15	-65.39	4.00	9.40	V
	2022	-59.62	-13	-46.62	-70.82	-63.19	4.88	10.60	V
	2698	-61.92	-13	-48.92	-78.29	-66.85	5.52	12.60	V

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

Ant.2:

LTE Band 25 / 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	3747	-58.80	-13	-45.80	-79.31	-65.55	5.85	12.60	H
	5620.5	-56.73	-13	-43.73	-81.60	-62.53	7.30	13.10	H
	7494	-51.87	-13	-38.87	-80.48	-55.02	8.35	11.50	H
	3747	-59.16	-13	-46.16	-79.6	-65.91	5.85	12.60	V
	5620.5	-56.68	-13	-43.68	-81.27	-62.48	7.30	13.10	V
	7494	-51.85	-13	-38.85	-80.45	-55.00	8.35	11.50	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3472	-61.35	-13	-48.35	-79.46	-68.20	5.65	12.50	H
	5208	-57.01	-13	-44.01	-81.49	-62.68	7.13	12.80	H
	6944	-52.78	-13	-39.78	-81.52	-56.18	8.40	11.80	H
	3472	-61.34	-13	-48.34	-79.47	-68.19	5.65	12.50	V
	5208	-56.51	-13	-43.51	-81.24	-62.18	7.13	12.80	V
	6944	-52.34	-13	-39.34	-81.55	-55.74	8.40	11.80	V

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

Ant.3:

LTE Band 25 / 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	3747	-58.78	-13	-45.78	-79.29	-65.53	5.85	12.60	H
	5620.5	-56.58	-13	-43.58	-81.45	-62.38	7.30	13.10	H
	7494	-51.70	-13	-38.70	-80.31	-54.85	8.35	11.50	H
	3747	-59.00	-13	-46.00	-79.44	-65.75	5.85	12.60	V
	5620.5	-56.92	-13	-43.92	-81.51	-62.72	7.30	13.10	V
	7494	-51.81	-13	-38.81	-80.41	-54.96	8.35	11.50	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3472	-61.10	-13	-48.10	-79.21	-67.95	5.65	12.50	H
	5208	-56.32	-13	-43.32	-80.80	-61.99	7.13	12.80	H
	6944	-52.56	-13	-39.56	-81.30	-55.96	8.40	11.80	H
	3472	-61.11	-13	-48.11	-79.24	-67.96	5.65	12.50	V
	5208	-56.50	-13	-43.50	-81.23	-62.17	7.13	12.80	V
	6944	-52.17	-13	-39.17	-81.38	-55.57	8.40	11.80	V

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