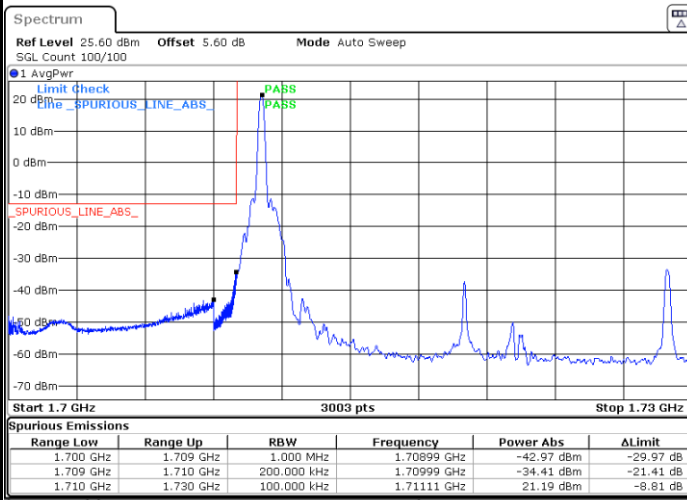




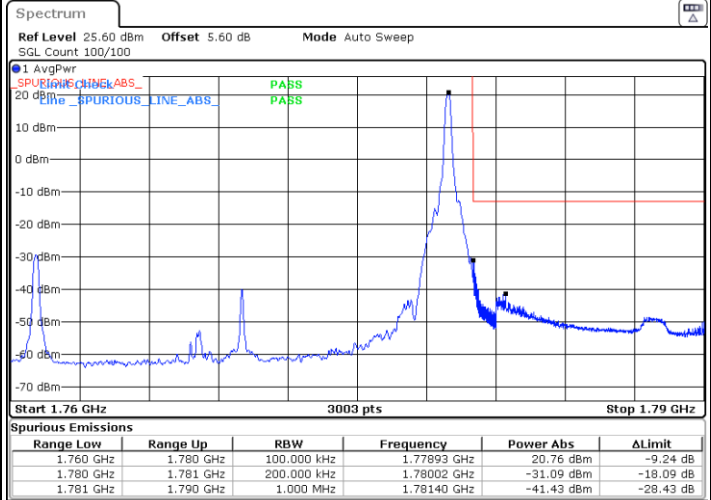
LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / 1 RB



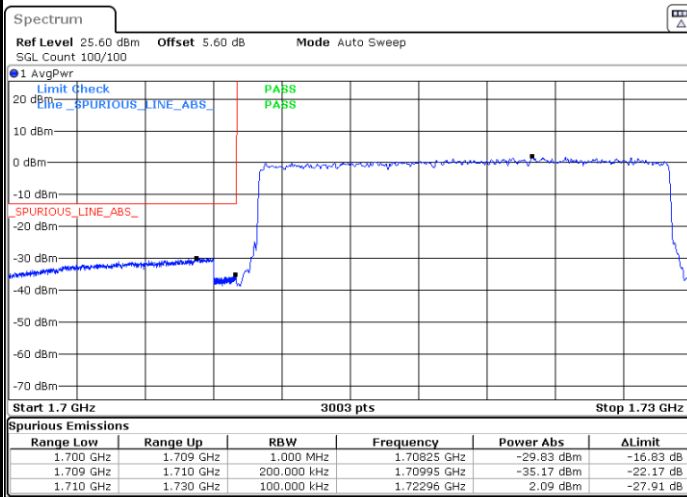
Date: 21.OCT.2022 11:30:27

Highest Band Edge / 1 RB



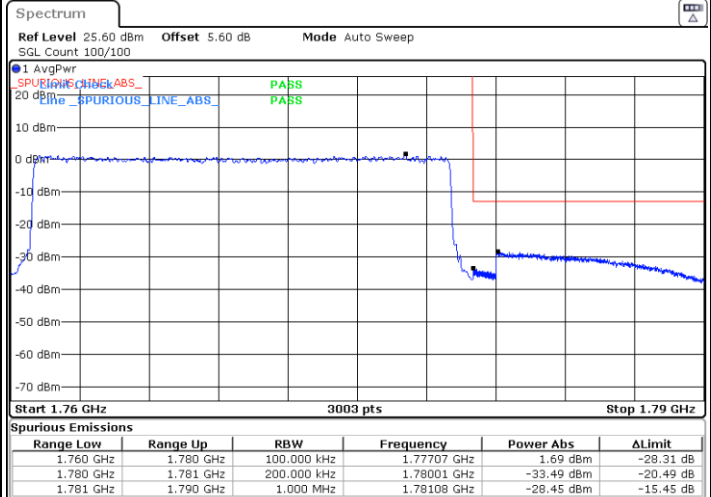
Date: 21.OCT.2022 11:39:50

Lowest Band Edge / Full RB



Date: 21.OCT.2022 11:35:28

Highest Band Edge / Full RB

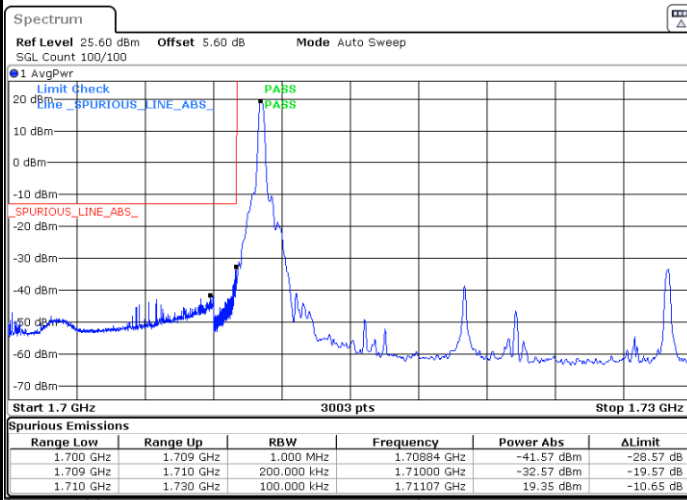


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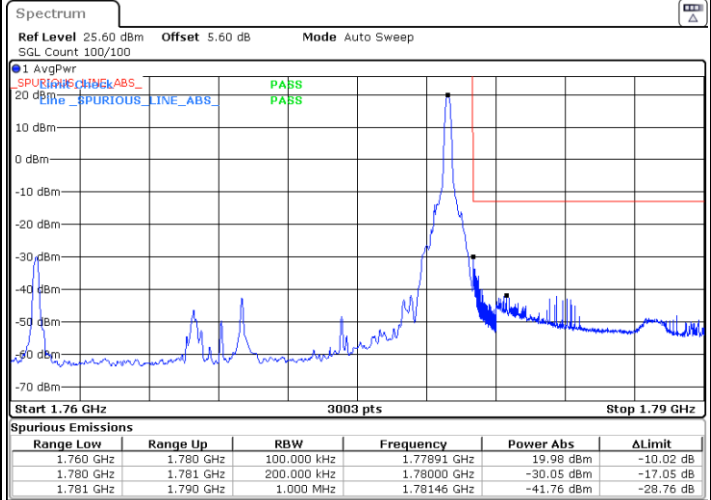
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



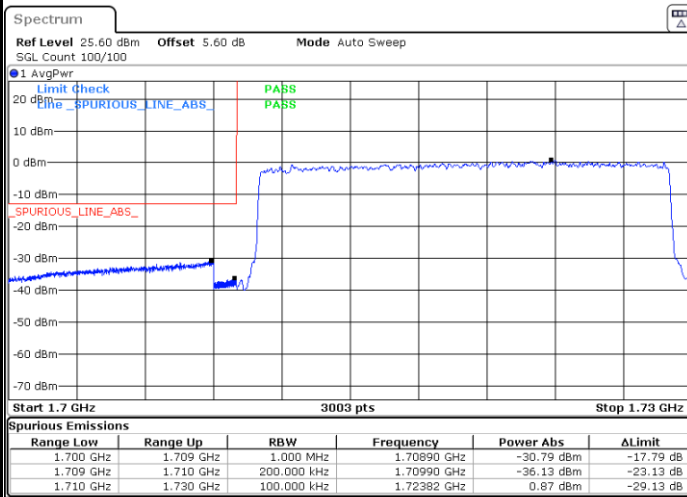
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Highest Band Edge / 1 RB



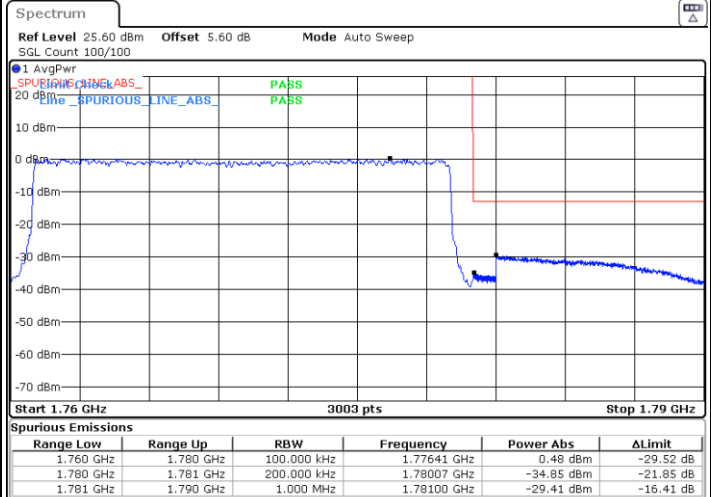
Date: 21.OCT.2022 11:41:30

Lowest Band Edge / Full RB



Date: 21.OCT.2022 11:33:47

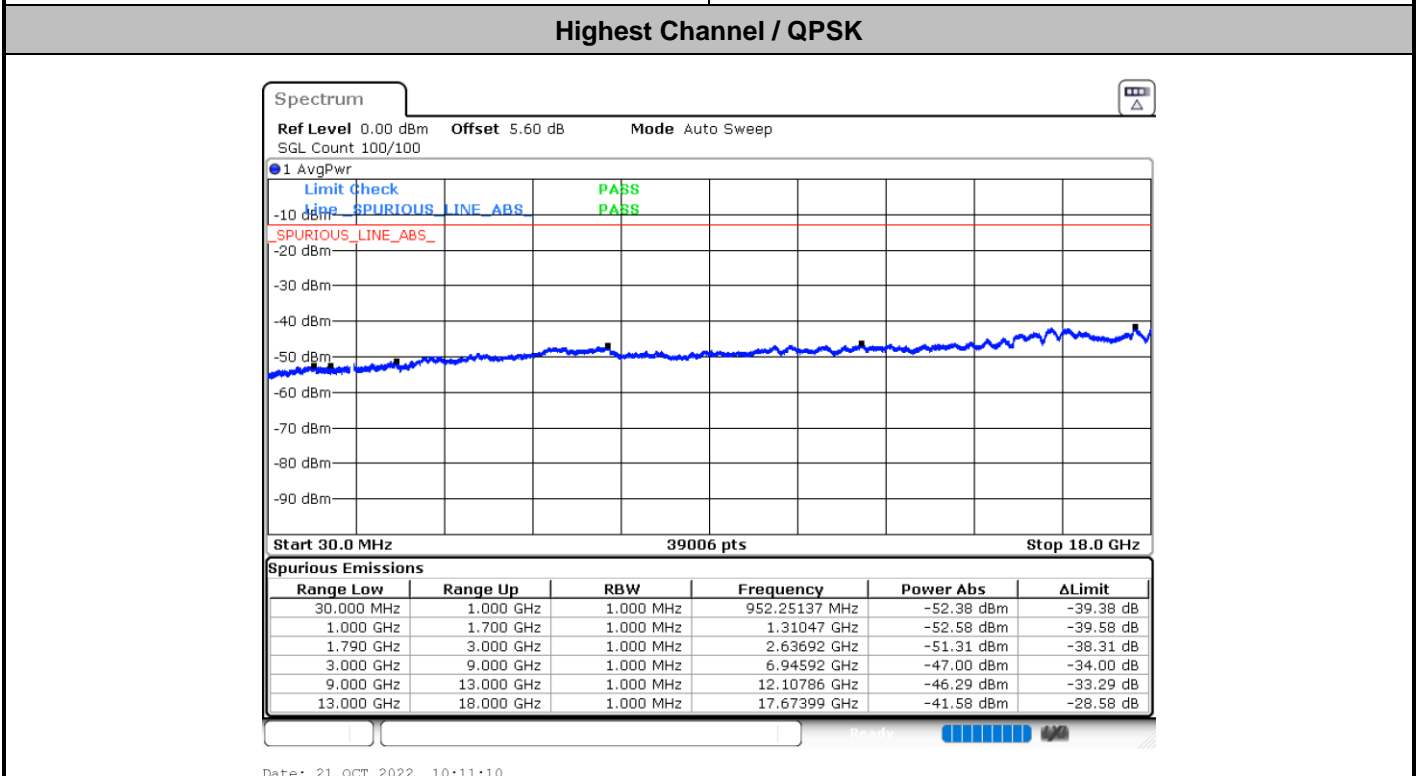
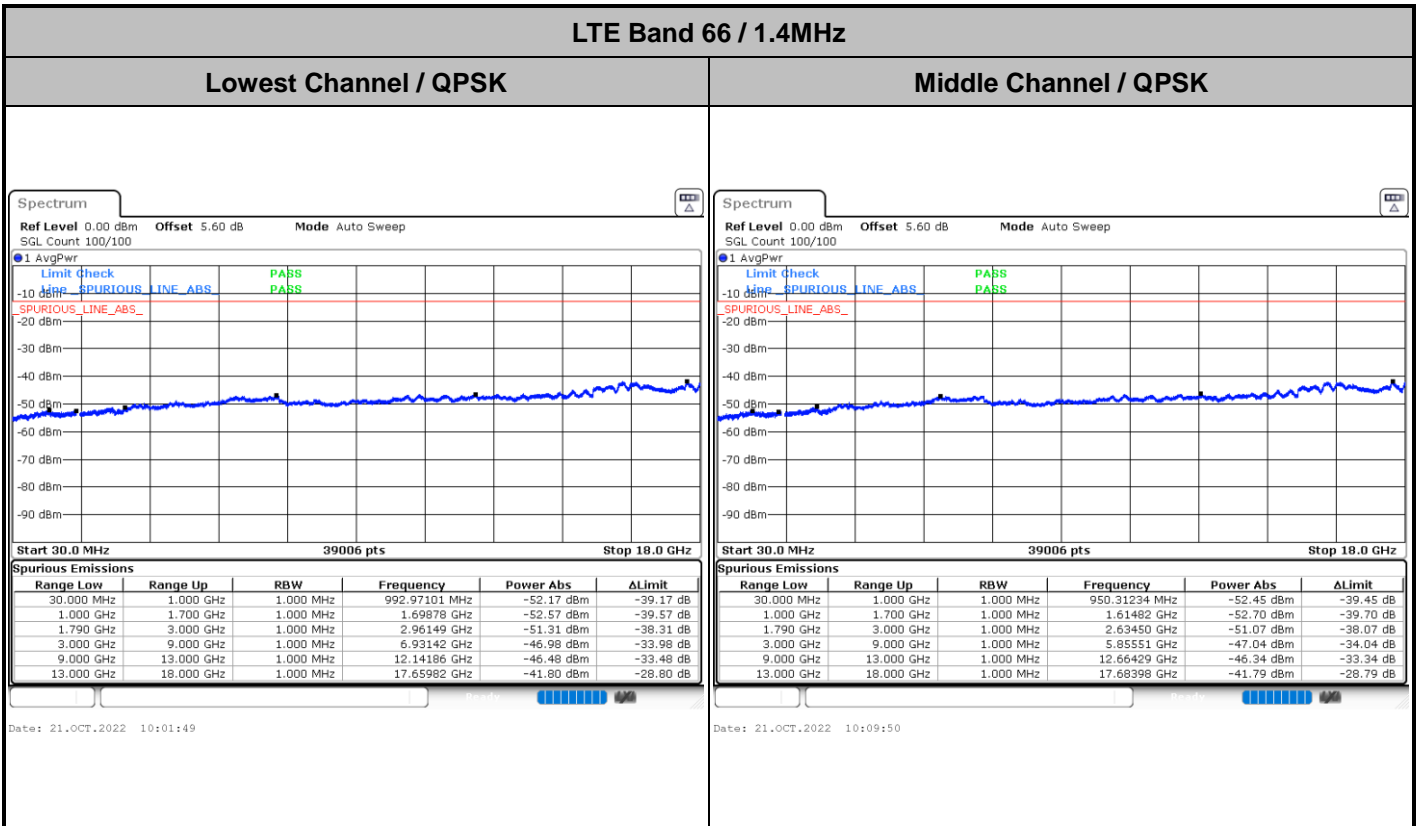
Highest Band Edge / Full RB



Date: 21.OCT.2022 11:43:11



Conducted Spurious Emission

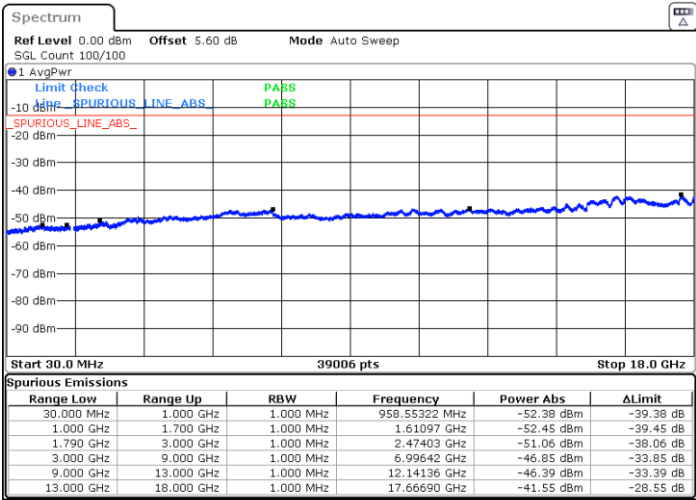




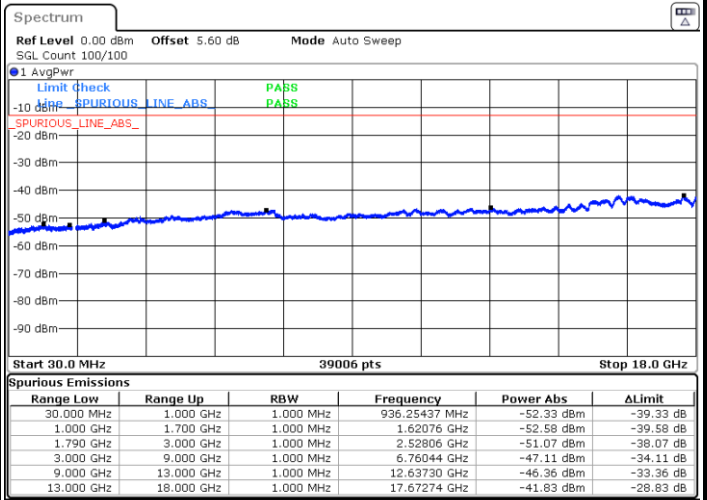
LTE Band 66 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

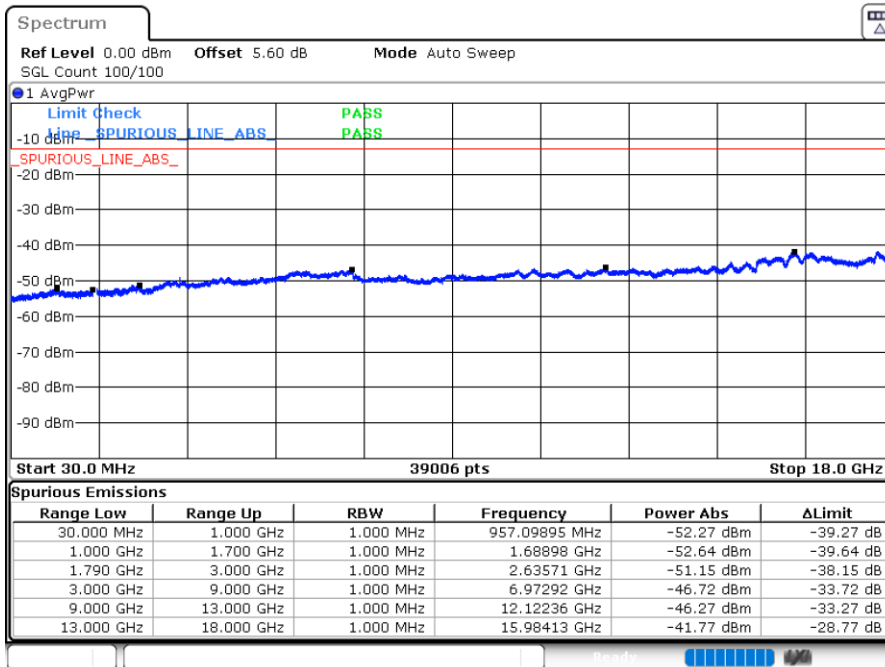


Date: 21.OCT.2022 10:19:11



Date: 21.OCT.2022 10:27:12

Highest Channel / QPSK



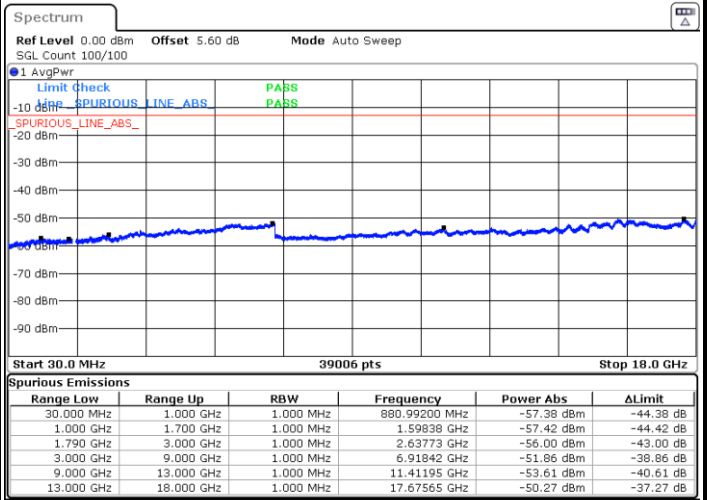
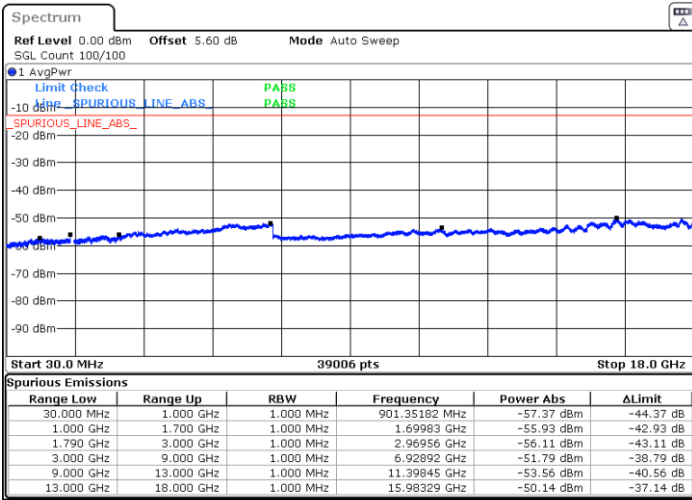
Date: 21.OCT.2022 10:28:32



LTE Band 66 / 5MHz

Lowest Channel / QPSK

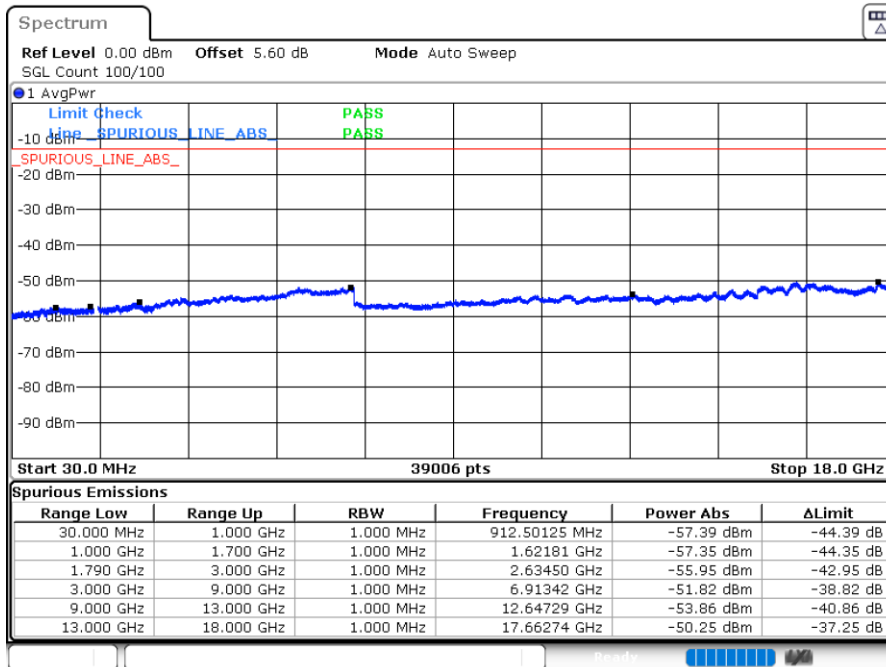
Middle Channel / QPSK



Date: 21.OCT.2022 10:36:33

Date: 21.OCT.2022 10:44:38

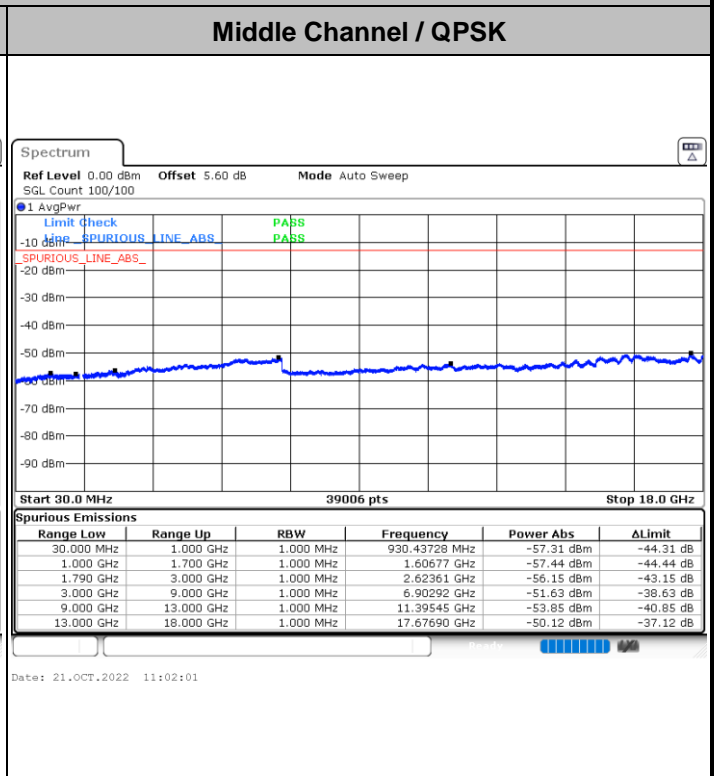
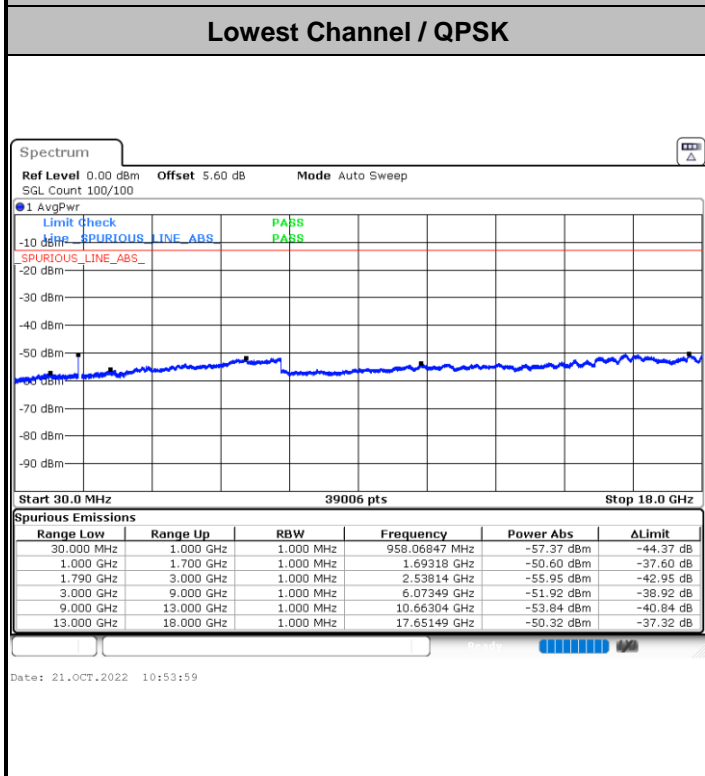
Highest Channel / QPSK



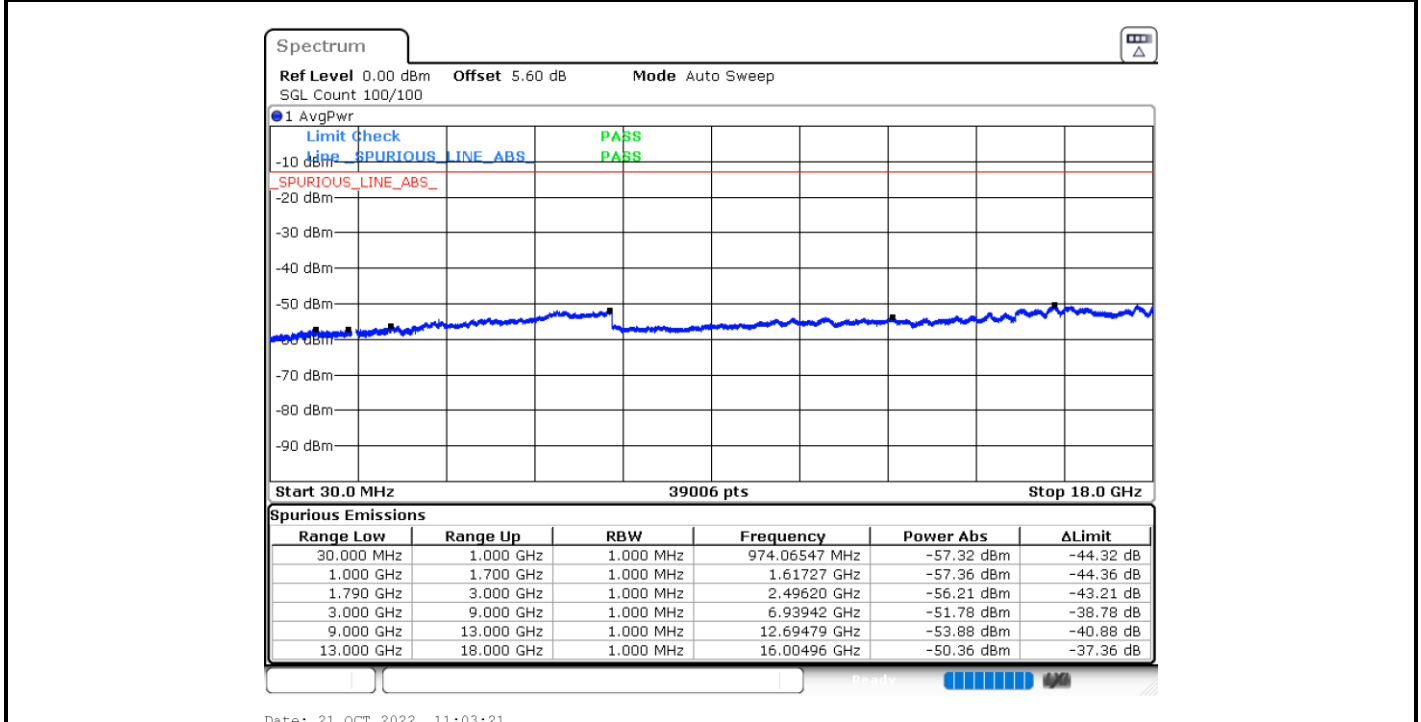
Date: 21.OCT.2022 10:45:58



LTE Band 66 / 10MHz



Highest Channel / QPSK

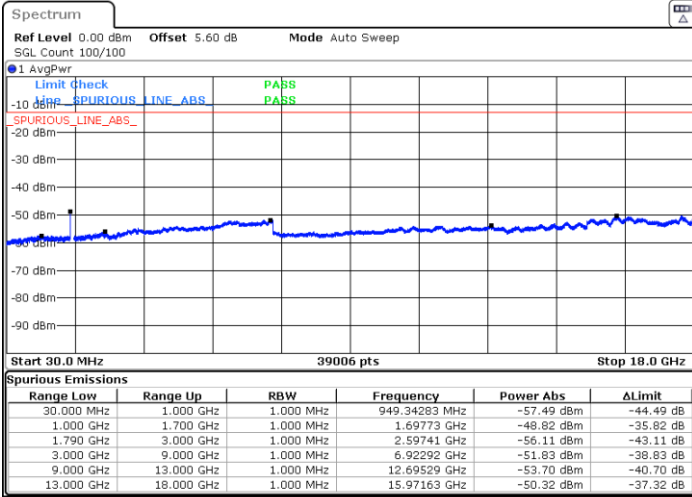




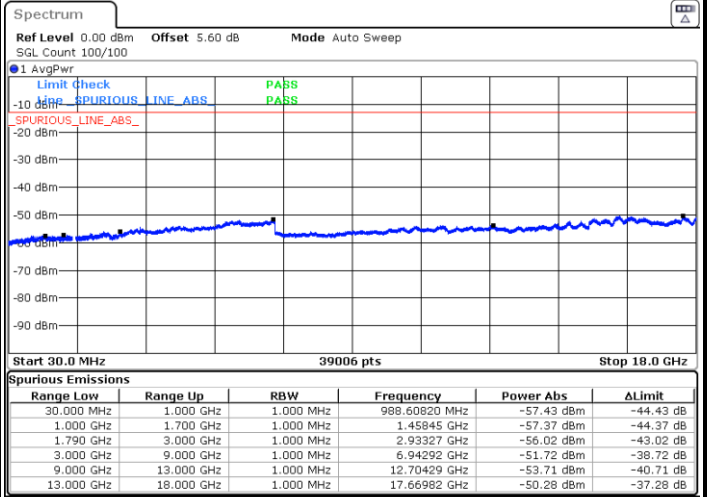
LTE Band 66 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

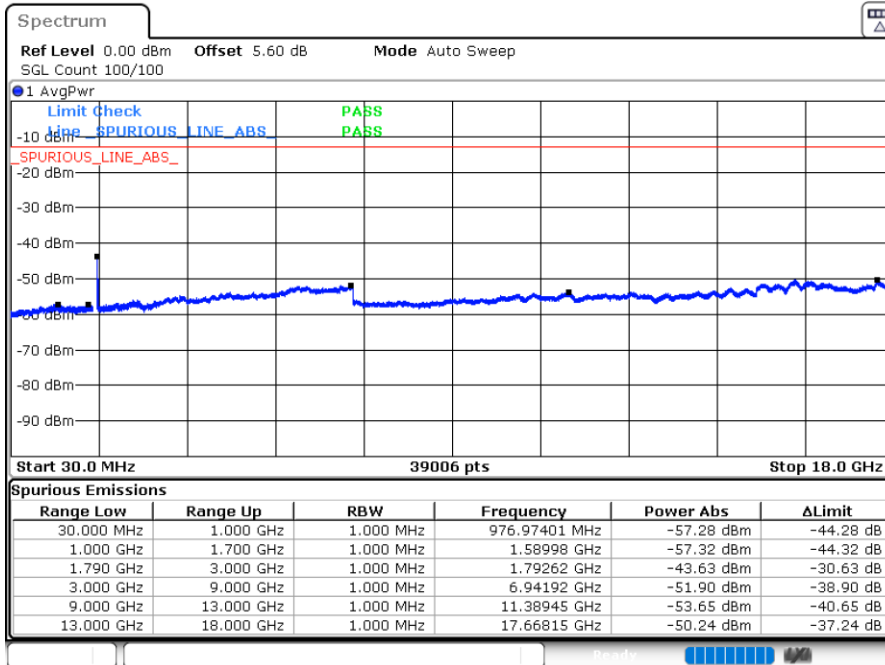


Date: 21.OCT.2022 11:11:23



Date: 21.OCT.2022 11:19:25

Highest Channel / QPSK



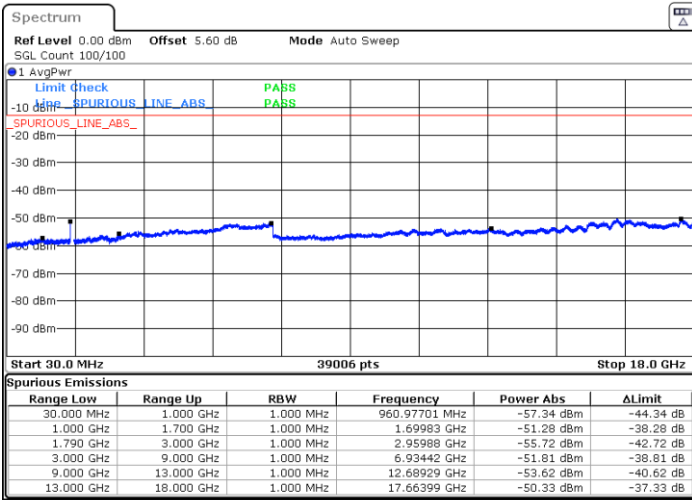
Date: 21.OCT.2022 11:20:45



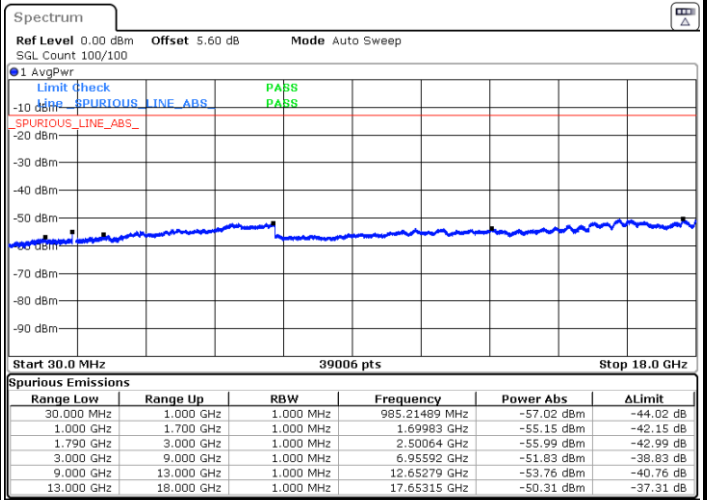
LTE Band 66 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

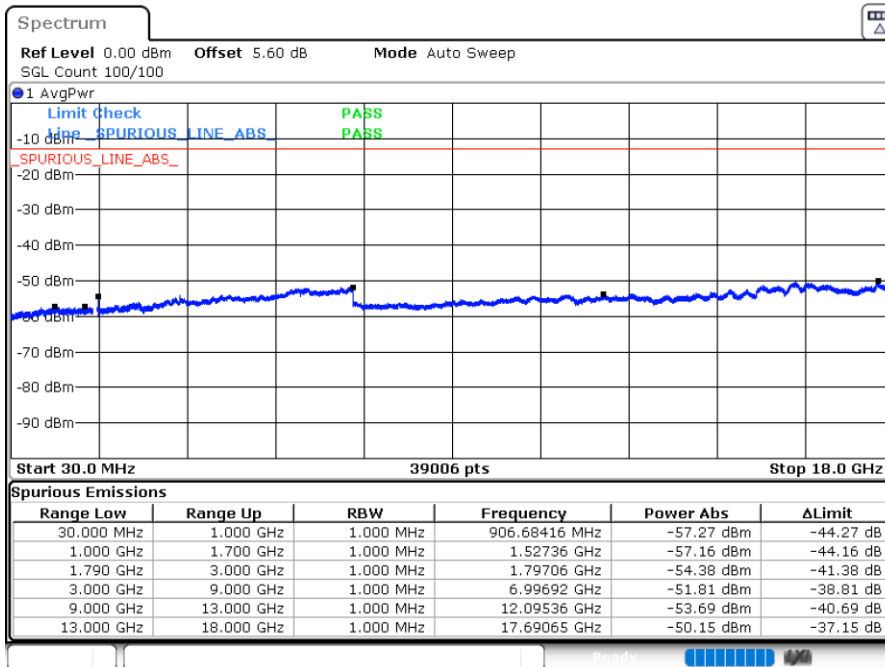


Date: 21.OCT.2022 11:28:47



Date: 21.OCT.2022 11:36:48

Highest Channel / QPSK



Date: 21.OCT.2022 11:38:08



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	0.0102	PASS
40	Normal Voltage	0.0109	
30	Normal Voltage	0.0011	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0080	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0032	
-20	Normal Voltage	0.0104	
-30	Normal Voltage	0.0034	
20	Maximum Voltage	0.0074	
20	Normal Voltage	0.0009	
20	Minimum Voltage	0.0005	

Note:

1. Normal Voltage =12 V. ; Minimum Voltage =11.4V. ; Maximum Voltage =12.6V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Reid Huang	Temperature :	22~25°C
		Relative Humidity :	48~52%

LTE Band 2 / 20MHz / QPSK / Fixed External Antenna 1									
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	3742.18	-56.15	-13	-43.15	-74.02	-62.90	5.85	12.60	H
	5613.27	-58.28	-13	-45.28	-80.54	-64.08	7.30	13.10	H
	7484.36	-53.97	-13	-40.97	-80.30	-57.12	8.35	11.50	H
	3742.18	-56.96	-13	-43.96	-74.75	-63.71	5.85	12.60	V
	5613.27	-58.92	-13	-45.92	-81.37	-64.72	7.30	13.10	V
	7484.36	-53.98	-13	-40.98	-80.3	-57.13	8.35	11.50	V

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

LTE Band 2 / 20MHz / QPSK / Fixed Internal Antenna									
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	3742.18	-61.40	-13	-48.40	-79.27	-68.15	5.85	12.60	H
	5613.27	-57.52	-13	-44.52	-79.78	-63.32	7.30	13.10	H
	7484.36	-54.21	-13	-41.21	-80.54	-57.36	8.35	11.50	H
	3742.18	-60.14	-13	-47.14	-77.93	-66.89	5.85	12.60	V
	5613.27	-58.70	-13	-45.70	-81.15	-64.50	7.30	13.10	V
	7484.36	-53.96	-13	-40.96	-80.28	-57.11	8.35	11.50	V

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

LTE Band 2 / 20MHz / QPSK / Fixed External Antenna 2									
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	3742.18	-52.83	-13	-39.83	-70.92	-59.58	5.85	12.60	H
	5613.27	-59.37	-13	-46.37	-81.48	-65.17	7.30	13.10	H
	7484.36	-53.17	-13	-40.17	-80.60	-56.32	8.35	11.50	H
	3742.18	-51.63	-13	-38.63	-69.64	-58.38	5.85	12.60	V
	5613.27	-58.98	-13	-45.98	-81.28	-64.78	7.30	13.10	V
	7484.36	-53.02	-13	-40.02	-80.44	-56.17	8.35	11.50	V

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



LTE Band 5 / 10MHz / QPSK / Fixed External Antenna 1									
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	1664.18	-60.21	-13	-47.21	-69.71	-63.46	4.00	9.40	H
	2496.27	-63.45	-13	-50.45	-77.65	-67.02	4.88	10.60	H
	3328.36	-62.42	-13	-49.42	-78.63	-67.35	5.52	12.60	H
	1664.18	-61.10	-13	-48.10	-70.20	-64.35	4.00	9.40	V
	2496.27	-64.05	-13	-51.05	-78.21	-67.62	4.88	10.60	V
	3328.36	-62.72	-13	-49.72	-78.69	-67.65	5.52	12.60	V

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

LTE Band 5 / 10MHz / QPSK / Fixed Internal Antenna									
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	1664.18	-51.93	-13	-38.93	-61.45	-55.18	4.00	9.40	H
	2496.27	-63.51	-13	-50.51	-78.06	-67.08	4.88	10.60	H
	3328.36	-63.51	-13	-50.51	-79.18	-68.44	5.52	12.60	H
	1664.18	-54.40	-13	-41.40	-63.52	-57.65	4.00	9.40	V
	2496.27	-63.99	-13	-50.99	-78.50	-67.56	4.88	10.60	V
	3328.36	-63.76	-13	-50.76	-79.19	-68.69	5.52	12.60	V

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

LTE Band 5 / 10MHz / QPSK / Fixed External Antenna 2									
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	1664.18	-55.78	-13	-42.78	-65.30	-59.03	4.00	9.40	H
	2496.27	-62.33	-13	-49.33	-76.88	-65.90	4.88	10.60	H
	3328.36	-63.08	-13	-50.08	-78.75	-68.01	5.52	12.60	H
	1664.18	-48.56	-13	-35.56	-57.68	-51.81	4.00	9.40	V
	2496.27	-62.68	-13	-49.68	-77.19	-66.25	4.88	10.60	V
	3328.36	-63.31	-13	-50.31	-78.74	-68.24	5.52	12.60	V

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



LTE Band 7 / 20MHz / QPSK / Fixed External Antenna 1									
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	5052.18	-48.72	-25	-23.72	-70.66	-54.28	7.14	12.70	H
	7578.27	-54.29	-25	-29.29	-80.39	-57.59	8.30	11.60	H
	10104.36	-48.81	-25	-23.81	-80.40	-50.33	10.48	12.00	H
	5052.18	-49.39	-25	-24.39	-71.45	-54.95	7.14	12.70	V
	7578.27	-54.22	-25	-29.22	-80.28	-57.52	8.30	11.60	V
	10104.36	-50.19	-25	-25.19	-80.38	-51.71	10.48	12.00	V

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

LTE Band 7 / 20MHz / QPSK / Fixed Internal Antenna									
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	5052.18	-58.07	-25	-33.07	-80.01	-63.63	7.14	12.70	H
	7578.27	-54.30	-25	-29.30	-80.40	-57.60	8.30	11.60	H
	10104.36	-48.62	-25	-23.62	-80.21	-50.14	10.48	12.00	H
	5052.18	-58.35	-25	-33.35	-80.41	-63.91	7.14	12.70	V
	7578.27	-54.31	-25	-29.31	-80.37	-57.61	8.30	11.60	V
	10104.36	-50.17	-25	-25.17	-80.36	-51.69	10.48	12.00	V

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

LTE Band 7 / 20MHz / QPSK / Fixed External Antenna 2									
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	5052.00	-52.06	-25	-27.06	-74.13	-57.62	7.14	12.70	H
	7578.27	-52.65	-25	-27.65	-79.83	-55.95	8.30	11.60	H
	10104.36	-48.77	-25	-23.77	-80.68	-50.29	10.48	12.00	H
	5052.18	-51.03	-25	-26.03	-73.22	-56.59	7.14	12.70	V
	7578.27	-50.81	-25	-25.81	-77.95	-54.11	8.30	11.60	V
	10104.36	-50.34	-25	-25.34	-80.85	-51.86	10.48	12.00	V

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



LTE Band 41 / 20MHz / QPSK / Fixed External Antenna 1									
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	5168.18	-54.81	-25	-29.81	-76.45	-60.37	7.14	12.70	H
	7752.27	-53.70	-25	-28.70	-80.06	-57.00	8.30	11.60	H
	10336.36	-48.31	-25	-23.31	-79.90	-49.83	10.48	12.00	H
	5168.18	-51.95	-25	-26.95	-73.86	-57.51	7.14	12.70	V
	7752.27	-53.76	-25	-28.76	-79.97	-57.06	8.30	11.60	V
	10336.36	-49.44	-25	-24.44	-80.12	-50.96	10.48	12.00	V

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

LTE Band 41 / 20MHz / QPSK / Fixed Internal Antenna									
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	5342.18	-60.68	-25	-35.68	-82.22	-66.24	7.14	12.70	H
	8013.27	-51.73	-25	-26.73	-79.76	-55.03	8.30	11.60	H
	10684.36	-47.78	-25	-22.78	-79.62	-49.30	10.48	12.00	H
	5342.18	-60.49	-25	-35.49	-82.18	-66.05	7.14	12.70	V
	8013.27	-52.32	-25	-27.32	-80.07	-55.62	8.30	11.60	V
	10684.36	-48.56	-25	-23.56	-79.95	-50.08	10.48	12.00	V

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

LTE Band 41 / 20MHz / QPSK / Fixed External Antenna 2									
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	5168.18	-57.81	-25	-32.81	-79.60	-63.37	7.14	12.70	H
	7752.27	-53.02	-25	-28.02	-80.40	-56.32	8.30	11.60	H
	10336.36	-49.24	-25	-24.24	-81.11	-50.76	10.48	12.00	H
	5168.18	-57.20	-25	-32.20	-79.26	-62.76	7.14	12.70	V
	7752.27	-52.72	-25	-27.72	-79.95	-56.02	8.30	11.60	V
	10336.36	-49.85	-25	-24.85	-80.81	-51.37	10.48	12.00	V

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



LTE Band 66 / 20MHz / QPSK / Fixed External Antenna 1									
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	-51.72	-13	-38.72	-68.66	-58.57	5.65	12.50	H
	5208	-55.01	-13	-42.01	-76.44	-60.68	7.13	12.80	H
	6944	-54.79	-13	-41.79	-80.71	-58.19	8.40	11.80	H
	3472	-52.28	-13	-39.28	-69.24	-59.13	5.65	12.50	V
	5208	-46.70	-13	-33.70	-68.38	-52.37	7.13	12.80	V
	6944	-54.72	-13	-41.72	-81.11	-58.12	8.40	11.80	V

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

LTE Band 66 / 20MHz / QPSK / Fixed Internal Antenna									
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	-56.77	-13	-43.77	-73.71	-63.62	5.65	12.50	H
	5208	-59.08	-13	-46.08	-80.51	-64.75	7.13	12.80	H
	6944	-55.04	-13	-42.04	-80.96	-58.44	8.40	11.80	H
	3472	-56.90	-13	-43.90	-73.86	-63.75	5.65	12.50	V
	5208	-59.37	-13	-46.37	-81.05	-65.04	7.13	12.80	V
	6944	-53.96	-13	-40.96	-80.35	-57.36	8.40	11.80	V

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

LTE Band 66 / 20MHz / QPSK / Fixed External Antenna 2									
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	-58.40	-13	-45.40	-74.88	-65.25	5.65	12.50	H
	5208	-60.10	-13	-47.10	-81.76	-65.77	7.13	12.80	H
	6944	-54.92	-13	-41.92	-81.08	-58.32	8.40	11.80	H
	3472	-58.79	-13	-45.79	-75.29	-65.64	5.65	12.50	V
	5208	-59.59	-13	-46.59	-81.5	-65.26	7.13	12.80	V
	6944	-54.53	-13	-41.53	-81.16	-57.93	8.40	11.80	V

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