

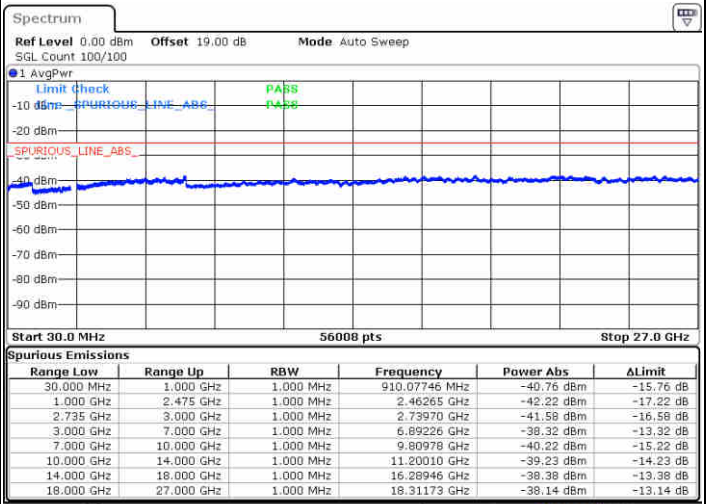
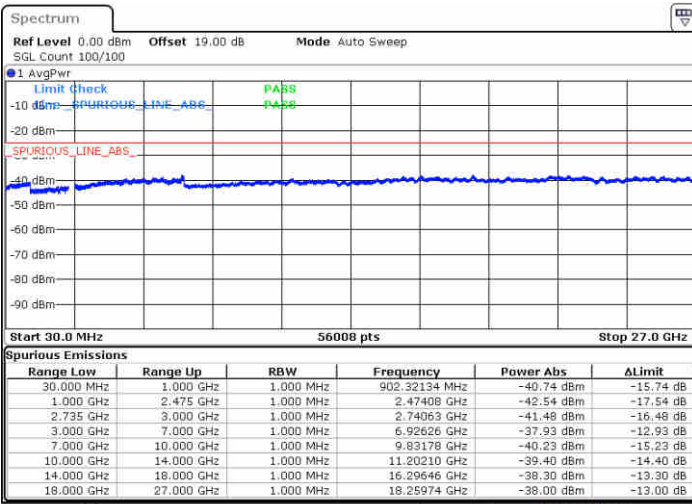


LTE Band 41 / 20MHz+20MHz

64QAM

MiddleChannel / 1RB0 and 1RB99

Middle Channel / 1RB99 and 1RB0

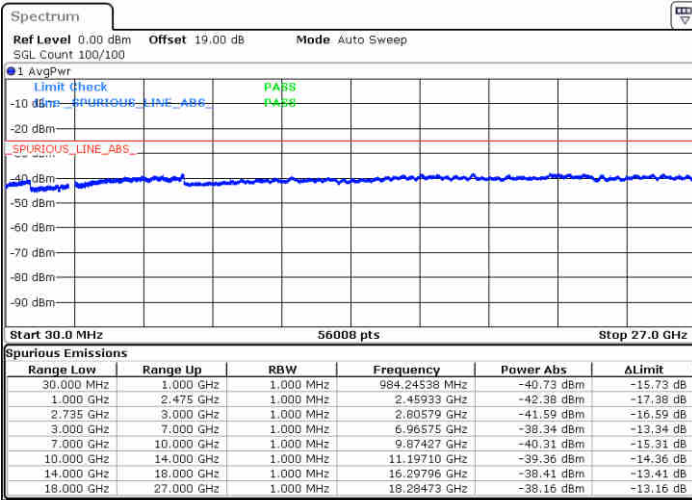


Date: 16 JUL 2020 18:02:26

Date: 16 JUL 2020 18:07:57

Middle Channel / FullIRB

N/A



Date: 16 JUL 2020 18:01:02

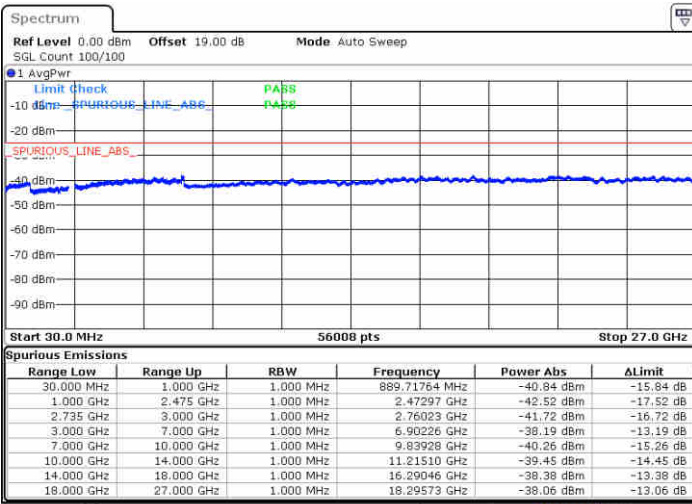


LTE Band 41 / 20MHz+20MHz

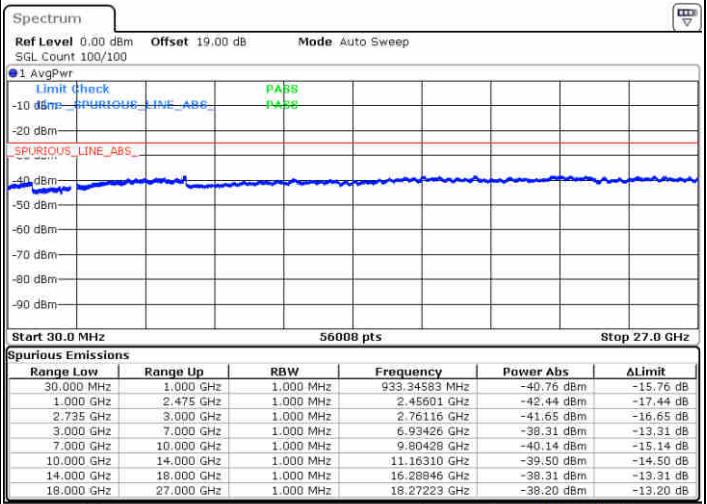
64QAM

Highest Channel / 1RB0 and 1RB99

Highest Channel / 1RB99 and 1RB0



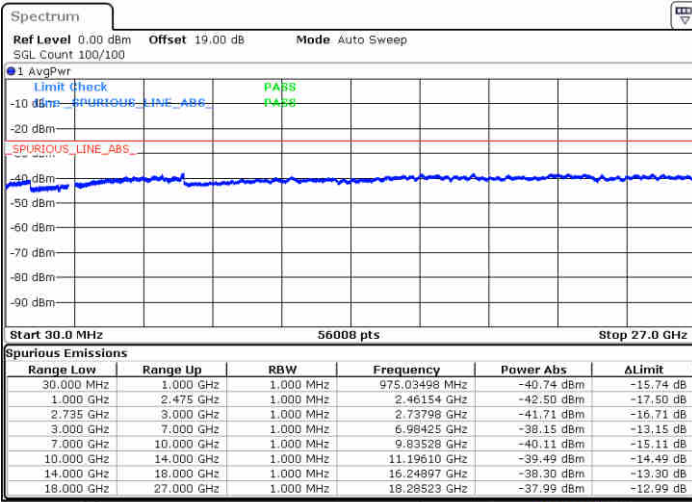
Date: 16 JUL 2020 18:29:01



Date: 16 JUL 2020 18:30:10

Highest Channel / FullIRB

N/A



Date: 16 JUL 2020 18:22:50



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Top Antenna

LTE Band 2 / 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	3742.18	-56.52	-13	-43.52	-74.31	-63.27	5.85	12.60	H
	5613.27	-58.01	-13	-45.01	-79.53	-63.81	7.30	13.10	H
	7484.36	-54.44	-13	-41.44	-80.10	-57.59	8.35	11.50	H
	3742.18	-60.66	-13	-47.66	-77.72	-67.41	5.85	12.60	V
	5613.27	-58.75	-13	-45.75	-79.62	-64.55	7.30	13.10	V
	7484.36	-55.15	-13	-42.15	-80.17	-58.30	8.35	11.50	V

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

LTE Band 4 / 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	3447.18	-58.86	-13	-45.86	-79.60	-65.71	5.65	12.50	H
	5170.77	-51.45	-13	-38.45	-74.81	-57.12	7.13	12.80	H
	6894.36	-55.93	-13	-42.93	-81.02	-59.33	8.40	11.80	H
	3447.18	-58.88	-13	-45.88	-80.56	-65.73	5.65	12.50	V
	5170.77	-56.19	-13	-43.19	-80.05	-61.86	7.13	12.80	V
	6894.36	-54.14	-13	-41.14	-80.51	-57.54	8.40	11.80	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664.18	-49.96	-13	-36.96	-61.69	-53.21	4.00	9.40	H
	2496.27	-43.51	-13	-30.51	-59.31	-47.08	4.88	10.60	H
	3328.36	-62.23	-13	-49.23	-80.46	-67.16	5.52	12.60	H
	1664.18	-67.54	-13	-54.54	-78.99	-70.79	4.00	9.40	V
	2496.27	-52.93	-13	-39.93	-68.62	-56.50	4.88	10.60	V
	3328.36	-63.49	-13	-50.49	-81.75	-68.42	5.52	12.60	V

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



LTE Band 7 / 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	5052.18	-50.96	-25	-25.96	-73.47	-56.52	7.14	12.70	H
	7578.27	-55.27	-25	-30.27	-80.95	-58.57	8.30	11.60	H
	10104.36	-53.24	-25	-28.24	-82.59	-54.76	10.48	12.00	H
	5052.18	-55.86	-25	-30.86	-79.7	-61.42	7.14	12.70	V
	7578.27	-55.45	-25	-30.45	-81.13	-58.75	8.30	11.60	V
	10104.36	-52.44	-25	-27.44	-82.77	-53.96	10.48	12.00	V

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

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	-67.20	-13	-54.20	-77.12	-70.45	4.00	9.40	H
	2109	-62.03	-13	-49.03	-79.20	-65.60	4.88	10.60	H
	2812	-60.23	-13	-47.23	-78.83	-65.16	5.52	12.60	H
	1406	-65.96	-13	-52.96	-76.94	-69.21	4.00	9.40	V
	2109	-61.96	-13	-48.96	-78.92	-65.53	4.88	10.60	V
	2812	-59.19	-13	-46.19	-78.60	-64.12	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)	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	1659.5	-64.11	-13	-51.11	-73.83	-67.36	4.00	9.40	H
	2489.25	-62.57	-13	-49.57	-75.97	-66.14	4.88	10.60	H
	3319	-62.05	-13	-49.05	-77.57	-66.98	5.52	12.60	H
	1659.5	-64.81	-13	-51.81	-74.02	-68.06	4.00	9.40	V
	2489.25	-62.49	-13	-49.49	-75.71	-66.06	4.88	10.60	V
	3319	-62.55	-13	-49.55	-77.66	-67.48	5.52	12.60	V

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



LTE Band 41 / 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	5168.18	-51.26	-25	-26.26	-73.03	-56.93	7.13	12.80	H
	7752.27	-55.41	-25	-30.41	-80.51	-58.51	8.50	11.60	H
	10336.36	-50.63	-25	-25.63	-80.83	-51.97	10.68	12.02	H
	5168.18	-54.15	-25	-29.15	-74.99	-59.82	7.13	12.80	V
	7752.27	-49.86	-25	-24.86	-74.42	-52.96	8.50	11.60	V
	10336.36	-50.16	-25	-25.16	-80.93	-51.5	10.68	12.02	V

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

LTE Band 7C_CA / 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)
Middle	5070.00	-59.36	-25	-34.36	-83.17	-64.92	7.14	12.70	H
	7605.00	-54.95	-25	-29.95	-83.42	-58.25	8.30	11.60	H
	10140.00	-52.13	-25	-27.13	-84.86	-53.65	10.48	12.00	H
	5070.00	-59.07	-25	-34.07	-83.3	-64.63	7.14	12.70	V
	7605.00	-54.81	-25	-29.81	-83.15	-58.11	8.30	11.60	V
	10140.00	-52.63	-25	-27.63	-84.68	-54.15	10.48	12.00	V

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

LTE Band 41C_CA / 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)
Middle	5186.00	-59.70	-25	-34.70	-83.65	-65.26	7.14	12.70	H
	7779.00	-54.88	-25	-29.88	-83.51	-58.18	8.30	11.60	H
	10372.00	-51.61	-25	-26.61	-84.38	-53.13	10.48	12.00	H
	5186.00	-59.36	-25	-34.36	-83.76	-64.92	7.14	12.70	V
	7779.00	-54.65	-25	-29.65	-83.06	-57.95	8.30	11.60	V
	10372.00	-51.72	-25	-26.72	-84.17	-53.24	10.48	12.00	V

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



Bottom Antenna

LTE Band 2 / 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	3742.18	-56.27	-13	-43.27	-74.06	-63.02	5.85	12.60	H
	5613.27	-58.10	-13	-45.10	-79.62	-63.90	7.30	13.10	H
	7484.36	-51.43	-13	-38.43	-77.09	-54.58	8.35	11.50	H
	3742.18	-60.29	-13	-47.29	-77.35	-67.04	5.85	12.60	V
	5613.27	-59.04	-13	-46.04	-79.91	-64.84	7.30	13.10	V
	7484.36	-50.77	-13	-37.77	-75.79	-53.92	8.35	11.50	V

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

LTE Band 4 / 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	3447.18	-57.86	-13	-44.86	-78.60	-64.71	5.65	12.50	H
	5170.77	-50.56	-13	-37.56	-73.92	-56.23	7.13	12.80	H
	6894.36	-55.76	-13	-42.76	-80.85	-59.16	8.40	11.80	H
	3447.18	-57.00	-13	-44.00	-78.68	-63.85	5.65	12.50	V
	5170.77	-55.49	-13	-42.49	-79.35	-61.16	7.13	12.80	V
	6894.36	-54.53	-13	-41.53	-80.9	-57.93	8.40	11.80	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664.18	-67.12	-13	-54.12	-78.85	-70.37	4.00	9.40	H
	2496.27	-63.42	-13	-50.42	-79.22	-66.99	4.88	10.60	H
	3328.36	-63.12	-13	-50.12	-81.35	-68.05	5.52	12.60	H
	1664.18	-66.84	-13	-53.84	-78.29	-70.09	4.00	9.40	V
	2496.27	-63.00	-13	-50.00	-78.69	-66.57	4.88	10.60	V
	3328.36	-63.28	-13	-50.28	-81.54	-68.21	5.52	12.60	V

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



LTE Band 7 / 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	5052.18	-54.90	-25	-29.90	-77.41	-60.46	7.14	12.70	H
	7578.27	-55.36	-25	-30.36	-81.04	-58.66	8.30	11.60	H
	10104.36	-53.35	-25	-28.35	-82.70	-54.87	10.48	12.00	H
	5052.18	-56.67	-25	-31.67	-80.51	-62.23	7.14	12.70	V
	7578.27	-55.57	-25	-30.57	-81.25	-58.87	8.30	11.60	V
	10104.36	-52.38	-25	-27.38	-82.71	-53.90	10.48	12.00	V

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

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	-67.10	-13	-54.10	-77.02	-70.35	4.00	9.40	H
	2109	-61.81	-13	-48.81	-78.98	-65.38	4.88	10.60	H
	2812	-60.32	-13	-47.32	-78.92	-65.25	5.52	12.60	H
	1406	-65.99	-13	-52.99	-76.97	-69.24	4.00	9.40	V
	2109	-61.86	-13	-48.86	-78.82	-65.43	4.88	10.60	V
	2812	-59.68	-13	-46.68	-79.09	-64.61	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)	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	1659.5	-64.48	-13	-51.48	-74.20	-67.73	4.00	9.40	H
	2489.25	-62.25	-13	-49.25	-75.65	-65.82	4.88	10.60	H
	3319	-61.73	-13	-48.73	-77.25	-66.66	5.52	12.60	H
	1659.5	-65.01	-13	-52.01	-74.22	-68.26	4.00	9.40	V
	2489.25	-62.57	-13	-49.57	-75.79	-66.14	4.88	10.60	V
	3319	-62.56	-13	-49.56	-77.67	-67.49	5.52	12.60	V

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



LTE Band 41 / 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	5168.18	-54.78	-25	-29.78	-76.55	-60.45	7.13	12.80	H
	7752.27	-55.19	-25	-30.19	-80.29	-58.29	8.50	11.60	H
	10336.36	-50.30	-25	-25.30	-80.50	-51.64	10.68	12.02	H
	5168.18	-59.73	-25	-34.73	-80.57	-65.4	7.13	12.80	V
	7752.27	-55.53	-25	-30.53	-80.09	-58.63	8.50	11.60	V
	10336.36	-49.99	-25	-24.99	-80.76	-51.33	10.68	12.02	V

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

LTE Band 7C_CA / 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)
Middle	5070.00	-59.68	-25	-34.68	-83.49	-65.24	7.14	12.70	H
	7605.00	-55.11	-25	-30.11	-83.58	-58.41	8.30	11.60	H
	10140.00	-52.16	-25	-27.16	-84.89	-53.68	10.48	12.00	H
	5070.00	-58.93	-25	-33.93	-83.16	-64.49	7.14	12.70	V
	7605.00	-55.46	-25	-30.46	-83.8	-58.76	8.30	11.60	V
	10140.00	-52.99	-25	-27.99	-85.04	-54.51	10.48	12.00	V

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

LTE Band 41C_CA / 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)
Middle	5186.00	-59.76	-25	-34.76	-83.71	-65.32	7.14	12.70	H
	7779.00	-54.80	-25	-29.80	-83.43	-58.10	8.30	11.60	H
	10372.00	-51.56	-25	-26.56	-84.33	-53.08	10.48	12.00	H
	5186.00	-59.38	-25	-34.38	-83.78	-64.94	7.14	12.70	V
	7779.00	-54.61	-25	-29.61	-83.02	-57.91	8.30	11.60	V
	10372.00	-51.82	-25	-26.82	-84.27	-53.34	10.48	12.00	V

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