

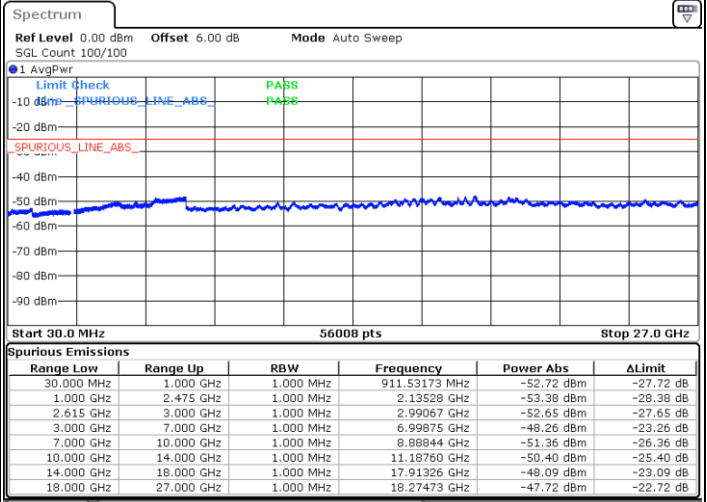
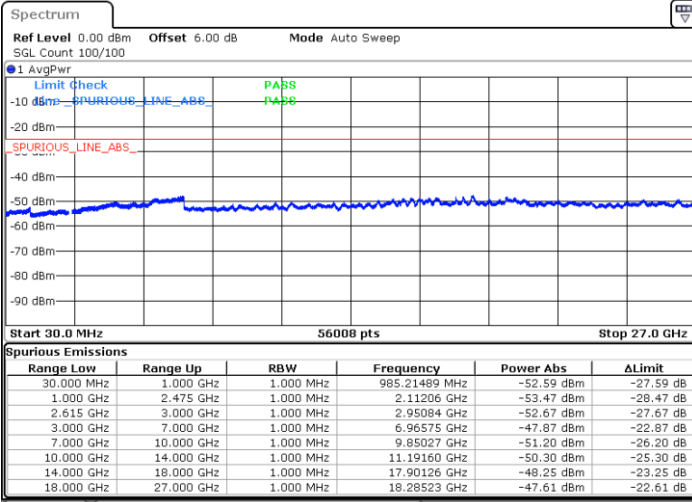


LTE Band 7C / 20MHz+20MHz

64QAM

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0

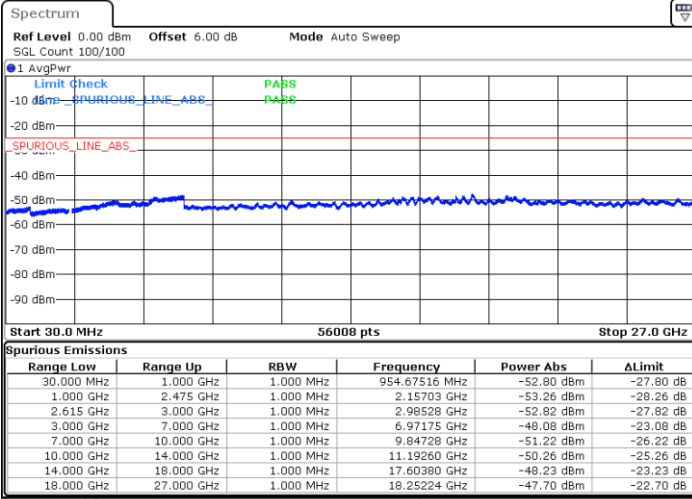


Date: 12 SEP 2020 22:24:14

Date: 12 SEP 2020 22:25:41

64QAM

Highest Channel / 1RB99 and 1RB0



Date: 12 SEP 2020 22:31:15



# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

For Ant.1:

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	3702	-60.51	-13	-47.51	-72.77	2.641	14.90	H
	5553	-56.50	-13	-43.50	-68.36	2.94	14.80	H
	7404	-51.89	-13	-38.89	-61.66	3.39	13.16	H
	3702	-60.47	-13	-47.47	-72.73	2.64	14.90	V
	5553	-56.63	-13	-43.63	-68.49	2.94	14.80	V
	7404	-51.58	-13	-38.58	-61.35	3.39	13.16	V
Middle	3741	-60.67	-13	-47.67	-72.93	2.64	14.90	H
	5613	-56.38	-13	-43.38	-68.24	2.94	14.80	H
	7488	-51.75	-13	-38.75	-61.52	3.39	13.16	H
	3741	-60.78	-13	-47.78	-73.04	2.64	14.90	V
	5613	-56.27	-13	-43.27	-68.13	2.94	14.80	V
	7488	-51.23	-13	-38.23	-61.00	3.39	13.16	V
Highest	3783	-60.26	-13	-47.26	-72.52	2.64	14.90	H
	5673	-56.16	-13	-43.16	-68.02	2.94	14.80	H
	7560	-51.74	-13	-38.74	-61.51	3.39	13.16	H
	3783	-60.60	-13	-47.60	-72.86	2.64	14.90	V
	5673	-56.57	-13	-43.57	-68.43	2.94	14.80	V
	7560	-51.52	-13	-38.52	-61.29	3.39	13.16	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 )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1400	-68.61	-13	-55.61	-75.58	1.58	10.70	H
	2098	-65.23	-13	-52.23	-73.48	2.10	12.50	H
	2798	-65.57	-13	-52.57	-74.46	2.86	13.90	H
	3498	-63.48	-13	-50.48	-73.44	3.46	15.57	H
	1400	-68.26	-13	-55.26	-75.23	1.58	10.70	V
	2098	-64.90	-13	-51.90	-73.15	2.10	12.50	V
	2798	-65.26	-13	-52.26	-74.15	2.86	13.90	V
	3498	-63.05	-13	-50.05	-73.01	3.46	15.57	V
Middle	1406	-69.04	-13	-56.04	-76.01	1.58	10.70	H
	2110	-65.62	-13	-52.62	-73.87	2.10	12.50	H
	2812	-65.08	-13	-52.08	-73.97	2.86	13.90	H
	3516	-63.17	-13	-50.17	-73.13	3.46	15.57	H
	1406	-68.77	-13	-55.77	-75.74	1.58	10.70	V
	2110	-65.84	-13	-52.84	-74.09	2.10	12.50	V
	2812	-65.11	-13	-52.11	-74.00	2.86	13.90	V
	3516	-63.21	-13	-50.21	-73.17	3.46	15.57	V
Highest	1414	-68.58	-13	-55.58	-75.55	1.58	10.70	H
	2120	-66.00	-13	-53.00	-74.25	2.10	12.50	H
	2826	-64.96	-13	-51.96	-73.85	2.86	13.90	H
	3534	-63.15	-13	-50.15	-73.11	3.46	15.57	H
	1414	-68.35	-13	-55.35	-75.32	1.58	10.70	V
	2120	-66.14	-13	-53.14	-74.39	2.10	12.50	V
	2826	-65.15	-13	-52.15	-74.04	2.86	13.90	V
	3534	-63.52	-13	-50.52	-73.48	3.46	15.57	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	1650	-68.83	-13	-55.83	-75.80	1.58	10.70	H
	2474	-66.44	-13	-53.44	-74.69	2.102	12.50	H
	3300	-64.45	-13	-51.45	-73.34	2.856	13.90	H
	1650	-68.39	-13	-55.39	-75.36	1.58	10.70	V
	2474	-66.45	-13	-53.45	-74.70	2.10	12.50	V
	3300	-64.38	-13	-51.38	-73.27	2.86	13.90	V
Middle	1660	-68.48	-13	-55.48	-75.45	1.58	10.70	H
	2490	-66.34	-13	-53.34	-74.59	2.102	12.50	H
	3318	-64.47	-13	-51.47	-73.36	2.856	13.90	H
	1660	-68.32	-13	-55.32	-75.29	1.58	10.70	V
	2490	-65.97	-13	-52.97	-74.22	2.10	12.50	V
	3318	-64.62	-13	-51.62	-73.51	2.86	13.90	V
Highest	1670	-68.34	-13	-55.34	-75.31	1.58	10.70	H
	2504	-66.43	-13	-53.43	-74.68	2.102	12.50	H
	3342	-64.71	-13	-51.71	-73.60	2.856	13.90	H
	1670	-68.25	-13	-55.25	-75.22	1.58	10.70	V
	2504	-66.39	-13	-53.39	-74.64	2.10	12.50	V
	3342	-64.74	-13	-51.74	-73.63	2.86	13.90	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 )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3423	-58.89	-13	-45.89	-69.63	2.60	13.34	H
	5133	-57.21	-13	-44.21	-67.72	3.01	13.52	H
	6840	-53.94	-13	-40.94	-64.14	3.27	13.47	H
	8556	-45.87	-13	-32.87	-55.81	3.63	13.57	H
	3423	-60.61	-13	-47.61	-71.35	2.60	13.34	V
	5133	-57.87	-13	-44.87	-68.38	3.01	13.52	V
	6840	-53.67	-13	-40.67	-63.87	3.27	13.47	V
Middle	8556	-46.05	-13	-33.05	-55.99	3.63	13.57	V
	3471	-61.36	-13	-48.36	-72.10	2.60	13.34	H
	5208	-55.68	-13	-42.68	-66.19	3.01	13.52	H
	6948	-53.64	-13	-40.64	-63.84	3.27	13.47	H
	8676	-43.30	-13	-30.30	-53.24	3.63	13.57	H
	3471	-61.46	-13	-48.46	-72.20	2.60	13.34	V
	5208	-56.01	-13	-43.01	-66.52	3.01	13.52	V
Highest	6948	-53.59	-13	-40.59	-63.79	3.27	13.47	V
	8676	-47.80	-13	-34.80	-57.74	3.63	13.57	V
	3522	-58.41	-13	-45.41	-69.15	2.60	13.34	H
	5283	-58.42	-13	-45.42	-68.93	3.01	13.52	H
	7044	-53.66	-13	-40.66	-63.86	3.27	13.47	H
	8808	-47.82	-13	-34.82	-57.76	3.63	13.57	H
	3522	-60.63	-13	-47.63	-71.37	2.60	13.34	V
5283	-58.48	-13	-45.48	-68.99	3.01	13.52	V	
7044	-53.32	-13	-40.32	-63.52	3.27	13.47	V	
8808	-48.55	-13	-35.55	-58.49	3.63	13.57	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 )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	4996	-58.49	-25	-33.49	-68.70	3.03	13.24	H
	7492	-54.96	-25	-29.96	-64.41	3.56	13.01	H
	9990	-51.29	-25	-26.29	-60.81	3.92	13.44	H
	4996	-63.39	-25	-38.39	-73.60	3.03	13.24	V
	7492	-57.52	-25	-32.52	-66.97	3.56	13.01	V
	9990	-54.85	-25	-29.85	-64.37	3.92	13.44	V
Middle	5168	-45.63	-25	-20.63	-55.84	3.03	13.24	H
	7752	-57.52	-25	-32.52	-66.97	3.56	13.01	H
	10340	-56.73	-25	-31.73	-66.25	3.92	13.44	H
	5168	-54.81	-25	-29.81	-65.02	3.03	13.24	V
	7752	-59.94	-25	-34.94	-69.39	3.56	13.01	V
	10340	-56.66	-25	-31.66	-66.18	3.92	13.44	V
Highest	5340	-49.70	-25	-24.70	-59.91	3.03	13.24	H
	8015	-55.72	-25	-30.72	-65.17	3.56	13.01	H
	10683	-56.23	-25	-31.23	-65.75	3.92	13.44	H
	5340	-53.82	-25	-28.82	-64.03	3.03	13.24	V
	8015	-58.02	-25	-33.02	-67.47	3.56	13.01	V
	10683	-55.50	-25	-30.50	-65.02	3.92	13.44	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 )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5000	-54.62	-25	-29.62	-64.83	3.03	13.24	H
	7504	-57.29	-25	-32.29	-66.74	3.56	13.01	H
	10000	-52.09	-25	-27.09	-61.61	3.92	13.44	H
	5000	-61.52	-25	-36.52	-71.73	3.03	13.24	V
	7504	-59.37	-25	-34.37	-68.82	3.56	13.01	V
	10000	-55.00	-25	-30.00	-64.52	3.92	13.44	V
Middle	5032	-48.88	-25	-23.88	-59.09	3.03	13.24	H
	7548	-58.89	-25	-33.89	-68.34	3.56	13.01	H
	10060	-57.31	-25	-32.31	-66.83	3.92	13.44	H
	5032	-53.60	-25	-28.60	-63.81	3.03	13.24	V
	7548	-59.81	-25	-34.81	-69.26	3.56	13.01	V
	10060	-57.61	-25	-32.61	-67.13	3.92	13.44	V
Highest	5064	-52.19	-25	-27.19	-62.40	3.03	13.24	H
	7592	-57.58	-25	-32.58	-67.03	3.56	13.01	H
	10120	-53.55	-25	-28.55	-63.07	3.92	13.44	H
	5064	-55.83	-25	-30.83	-66.04	3.03	13.24	V
	7592	-59.14	-25	-34.14	-68.59	3.56	13.01	V
	10120	-56.32	-25	-31.32	-65.84	3.92	13.44	V



For Ant.2:

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	1650	-68.86	-13	-55.86	-75.83	1.58	10.70	H
	2474	-65.15	-13	-52.15	-73.40	2.102	12.50	H
	3300	-64.67	-13	-51.67	-73.56	2.856	13.90	H
	1650	-68.41	-13	-55.41	-75.38	1.58	10.70	V
	2474	-64.76	-13	-51.76	-73.01	2.10	12.50	V
	3300	-64.54	-13	-51.54	-73.43	2.86	13.90	V
Middle	1664	-68.31	-13	-55.31	-75.28	1.58	10.70	H
	2496	-64.40	-13	-51.40	-72.65	2.102	12.50	H
	3330	-64.51	-13	-51.51	-73.40	2.856	13.90	H
	1664	-68.20	-13	-55.20	-75.17	1.58	10.70	V
	2496	-65.25	-13	-52.25	-73.50	2.10	12.50	V
	3330	-64.48	-13	-51.48	-73.37	2.86	13.90	V
Highest	1680	-68.53	-13	-55.53	-75.50	1.58	10.70	H
	2518	-65.29	-13	-52.29	-73.54	2.102	12.50	H
	3360	-64.43	-13	-51.43	-73.32	2.856	13.90	H
	1680	-68.18	-13	-55.18	-75.15	1.58	10.70	V
	2518	-64.83	-13	-51.83	-73.08	2.10	12.50	V
	3360	-64.48	-13	-51.48	-73.37	2.86	13.90	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 )	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1400	-68.88	-13	-55.88	-75.85	1.58	10.70	H
	2098	-62.98	-13	-49.98	-71.23	2.10	12.50	H
	2798	-65.60	-13	-52.60	-74.49	2.86	13.90	H
	3498	-64.20	-13	-51.20	-74.16	3.46	15.57	H
	1400	-68.67	-13	-55.67	-75.64	1.58	10.70	V
	2098	-64.66	-13	-51.66	-72.91	2.10	12.50	V
	2798	-65.55	-13	-52.55	-74.44	2.86	13.90	V
	3498	-64.10	-13	-51.10	-74.06	3.46	15.57	V
Middle	1406	-69.56	-13	-56.56	-76.53	1.58	10.70	H
	2110	-63.06	-13	-50.06	-71.31	2.10	12.50	H
	2812	-65.09	-13	-52.09	-73.98	2.86	13.90	H
	3516	-63.74	-13	-50.74	-73.70	3.46	15.57	H
	1406	-69.07	-13	-56.07	-76.04	1.58	10.70	V
	2110	-66.20	-13	-53.20	-74.45	2.10	12.50	V
	2812	-65.51	-13	-52.51	-74.40	2.86	13.90	V
	3516	-63.62	-13	-50.62	-73.58	3.46	15.57	V
Highest	1414	-68.60	-13	-55.60	-75.57	1.58	10.70	H
	2120	-63.73	-13	-50.73	-71.98	2.10	12.50	H
	2826	-65.46	-13	-52.46	-74.35	2.86	13.90	H
	3534	-63.64	-13	-50.64	-73.60	3.46	15.57	H
	1414	-68.53	-13	-55.53	-75.50	1.58	10.70	V
	2120	-65.69	-13	-52.69	-73.94	2.10	12.50	V
	2826	-65.43	-13	-52.43	-74.32	2.86	13.90	V
	3534	-63.83	-13	-50.83	-73.79	3.46	15.57	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	1654	-68.04	-13	-55.04	-75.01	1.58	10.70	H
	2482	-66.39	-13	-53.39	-74.64	2.102	12.50	H
	3306	-64.73	-13	-51.73	-73.62	2.856	13.90	H
	1654	-68.12	-13	-55.12	-75.09	1.58	10.70	V
	2482	-66.18	-13	-53.18	-74.43	2.10	12.50	V
	3306	-64.96	-13	-51.96	-73.85	2.86	13.90	V
Middle	1664	-68.34	-13	-55.34	-75.31	1.58	10.70	H
	2496	-66.02	-13	-53.02	-74.27	2.102	12.50	H
	3330	-64.69	-13	-51.69	-73.58	2.856	13.90	H
	1664.18	-68.18	-13	-55.18	-75.15	1.58	10.70	V
	2496	-65.95	-13	-52.95	-74.20	2.10	12.50	V
	3330	-64.51	-13	-51.51	-73.40	2.86	13.90	V
Highest	1674	-68.72	-13	-55.72	-75.69	1.58	10.70	H
	2512	-66.36	-13	-53.36	-74.61	2.102	12.50	H
	3348	-64.31	-13	-51.31	-73.20	2.856	13.90	H
	1674	-68.07	-13	-55.07	-75.04	1.58	10.70	V
	2512	-66.37	-13	-53.37	-74.62	2.10	12.50	V
	3348	-64.54	-13	-51.54	-73.43	2.86	13.90	V

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



## **Appendix D. Reference Report**

Please refer to Sporton report number FG082402B and FG082402C which is issued separately.