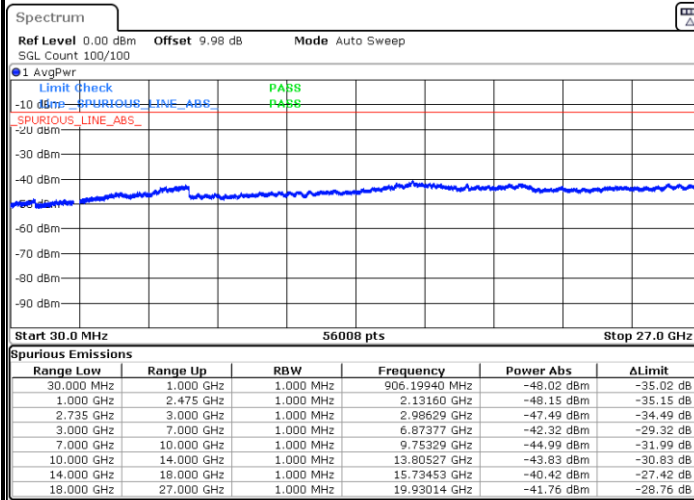




LTE Band 41C / 20MHz+10MHz

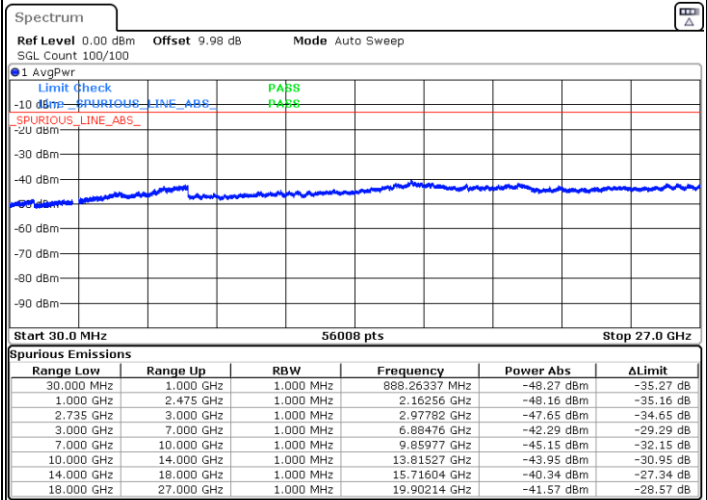
256QAM

Middle Channel / 1RB99 and 1RB0



Date: 21.JUL.2020 02:15:05

Middle Channel / FullRB

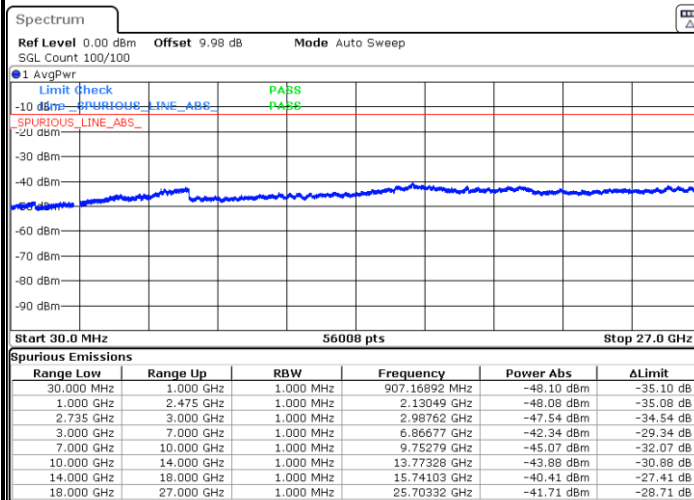


Date: 21.JUL.2020 02:13:55

LTE Band 41C / 20MHz+10MHz

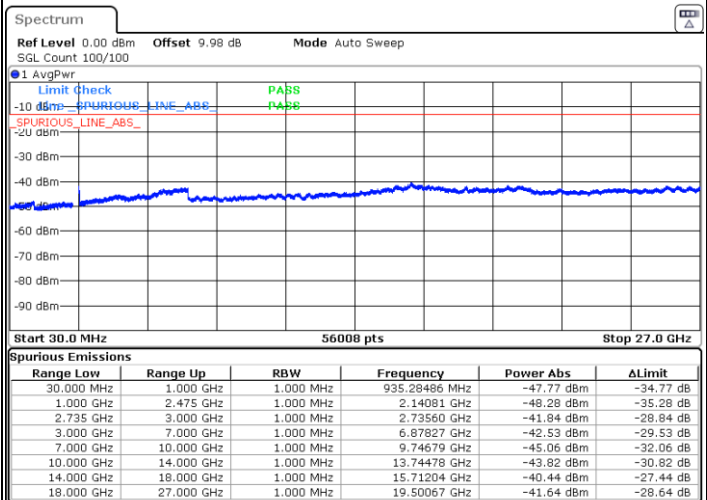
256QAM

Highest Channel / 1RB99 and 1RB0



Date: 21.JUL.2020 02:44:13

Highest Channel / FullRB



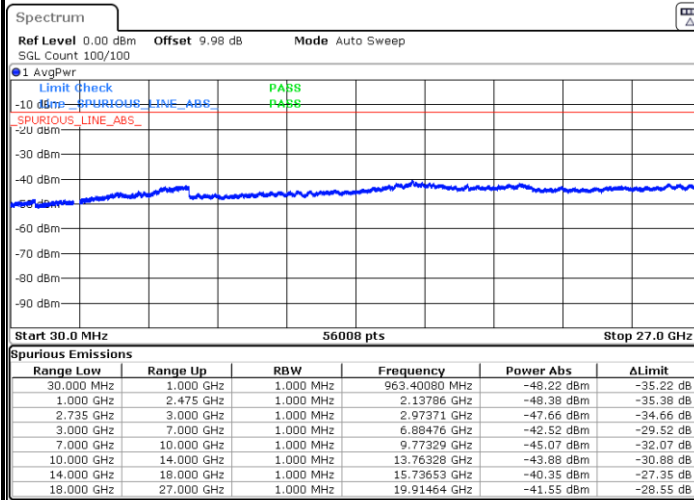
Date: 21.JUL.2020 02:41:17



LTE Band 41C / 20MHz+15MHz

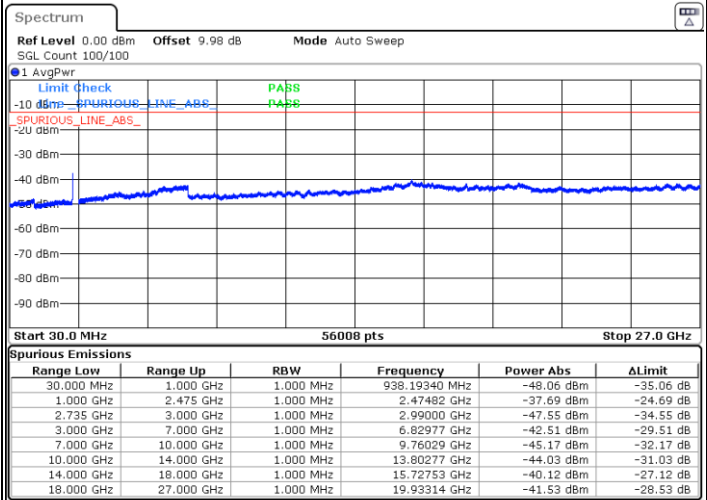
256QAM

Lowest Channel / 1RB99 and 1RB0



Date: 21.JUL.2020 04:34:31

Lowest Channel / FullRB

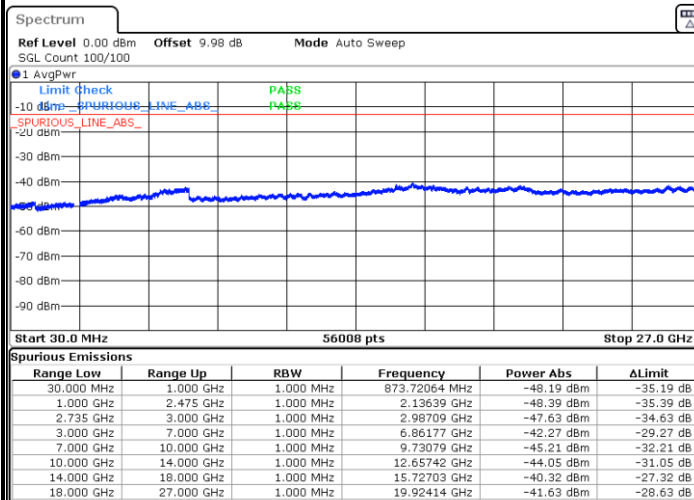


Date: 21.JUL.2020 04:30:28

LTE Band 41C / 20MHz+15MHz

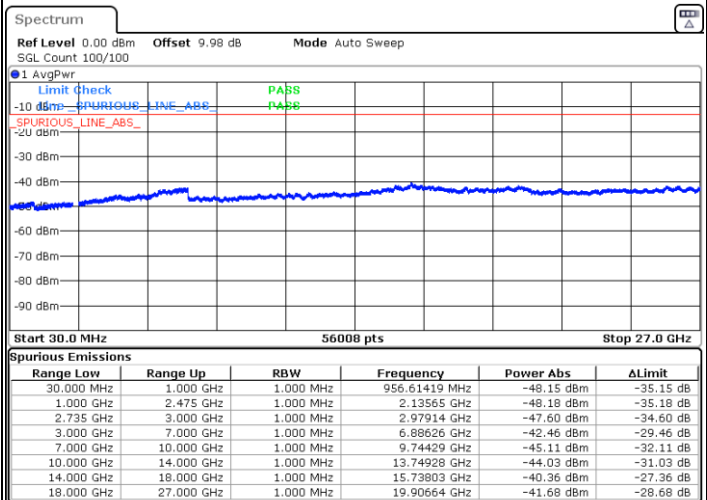
256QAM

Middle Channel / 1RB99 and 1RB0



Date: 21.JUL.2020 04:39:00

Middle Channel / FullRB



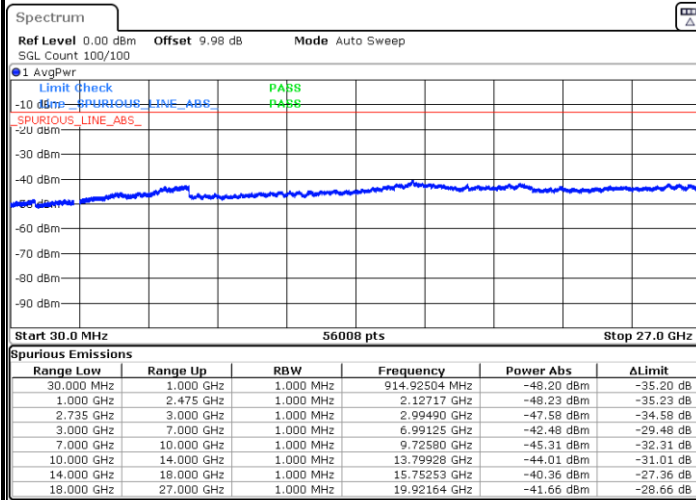
Date: 21.JUL.2020 04:37:11



LTE Band 41C / 20MHz+15MHz

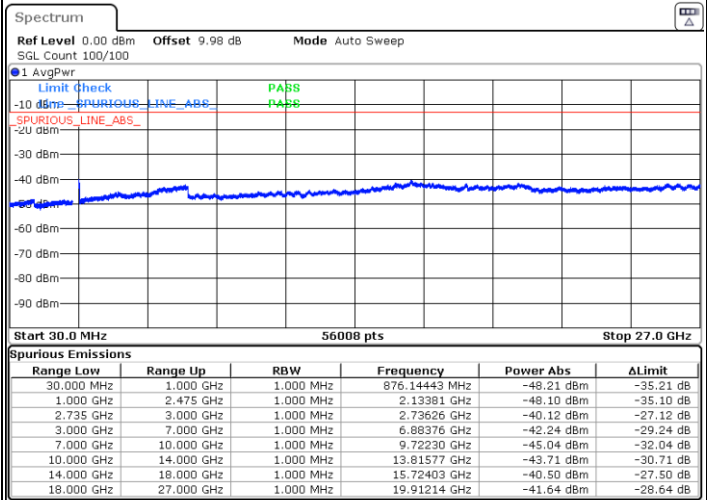
256QAM

Highest Channel / 1RB99 and 1RB0



Date: 21.JUL.2020 04:46:33

Highest Channel / FullRB

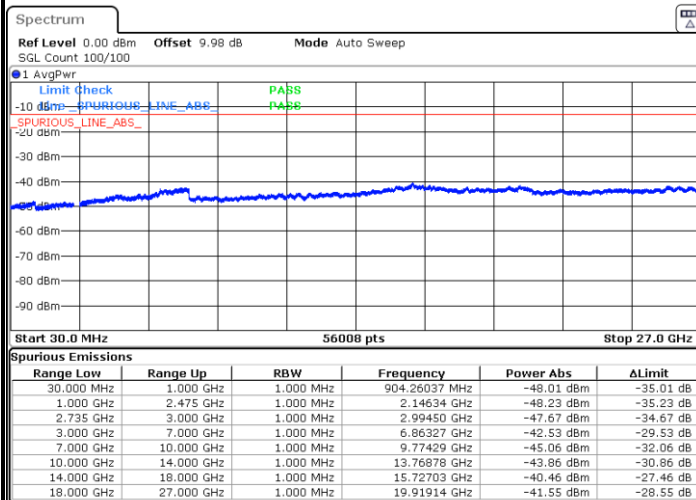


Date: 21.JUL.2020 04:43:14

LTE Band 41C / 20MHz+20MHz

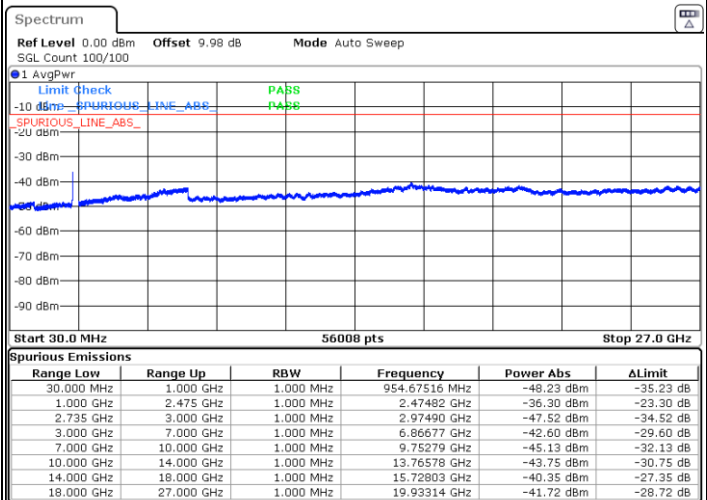
256QAM

Lowest Channel / 1RB99 and 1RB0



Date: 21.JUL.2020 04:59:55

Lowest Channel / FullRB



Date: 21.JUL.2020 04:56:54

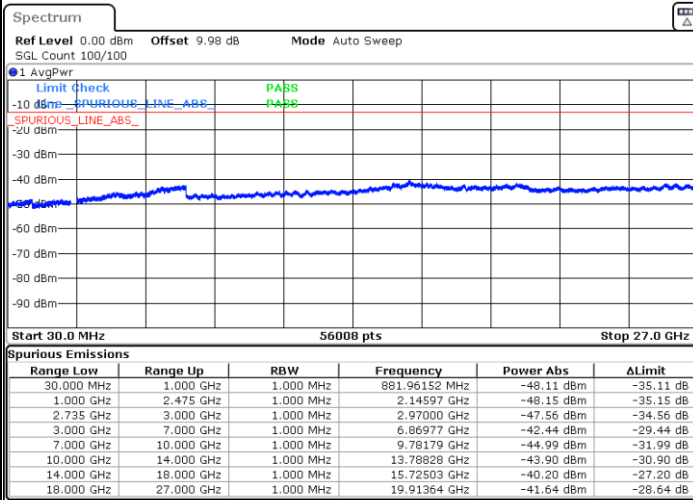


LTE Band 41C / 20MHz+20MHz

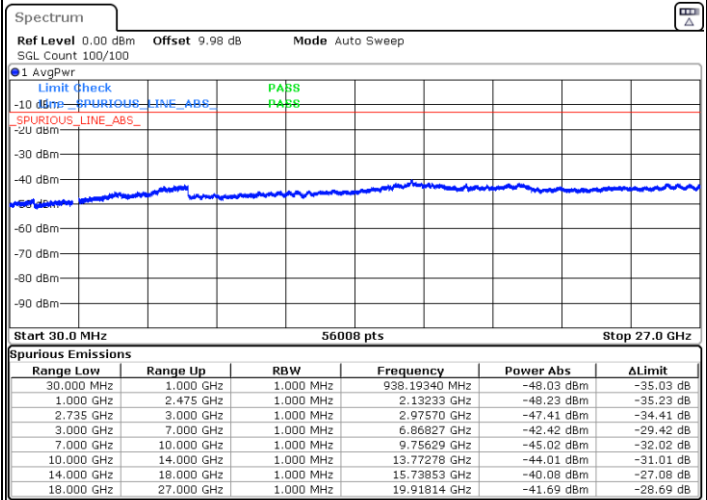
256QAM

Middle Channel / 1RB99 and 1RB0

Middle Channel / FullRB



Date: 21.JUL.2020 05:02:14



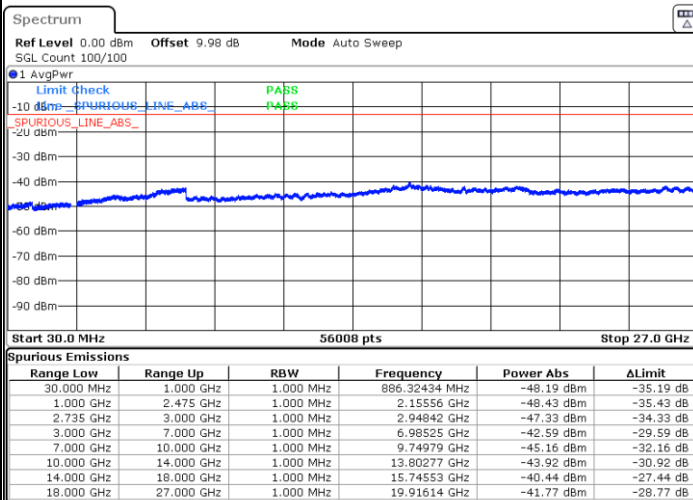
Date: 21.JUL.2020 05:03:10

LTE Band 41C / 20MHz+20MHz

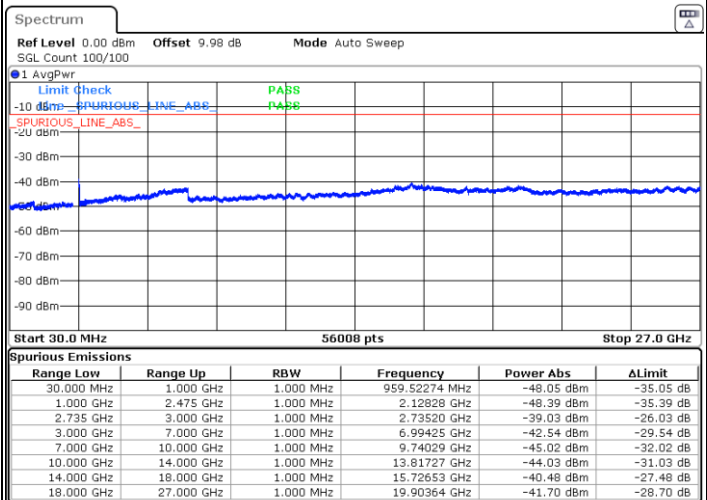
256QAM

Highest Channel / 1RB99 and 1RB0

Highest Channel / FullRB



Date: 21.JUL.2020 05:12:10



Date: 21.JUL.2020 05:07:28

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

LTE Band 12 / 10MHz / 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)
Middle	1406	-67.26	-13	-54.26	-70.50	1.11	6.50	H
	2110	-64.95	-13	-51.95	-67.57	1.43	6.20	H
	2812	-61.34	-13	-48.34	-65.78	1.71	8.30	H
	1406	-66.17	-13	-53.17	-69.41	1.11	6.50	V
	2110	-64.13	-13	-51.13	-66.75	1.43	6.20	V
	2812	-61.64	-13	-48.64	-66.08	1.71	8.30	V

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

LTE Band 25 / 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)
Middle	3741	-44.36	-13	-31.36	-50.62	1.843	8.10	H
	5613	-50.54	-13	-37.54	-58.85	2.19	10.50	H
	7488	-45.48	-13	-32.48	-54.40	2.58	11.50	H
	3741	-38.27	-13	-25.27	-44.53	1.84	8.10	V
	5613	-50.56	-13	-37.56	-58.87	2.19	10.50	V
	7488	-45.57	-13	-32.57	-54.49	2.58	11.50	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)
Middle	1660	-65.93	-13	-52.93	-69.17	1.11	6.50	H
	2490	-62.88	-13	-49.88	-65.50	1.43	6.20	H
	3318	-60.54	-13	-47.54	-64.98	1.71	8.30	H
	1660	-65.47	-13	-52.47	-68.71	1.11	6.50	V
	2490	-62.47	-13	-49.47	-65.09	1.43	6.20	V
	3318	-60.80	-13	-47.80	-65.24	1.71	8.30	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)
Middle	5168	-61.40	-13	-48.40	-69.83	1.93	10.36	H
	7752	-58.06	-13	-45.06	-67.29	2.64	11.87	H
	10340	-58.45	-13	-45.45	-69.28	2.64	13.47	H
	5168	-64.14	-13	-51.14	-72.57	1.93	10.36	V
	7752	-59.29	-13	-46.29	-68.52	2.64	11.87	V
	10340	-58.87	-13	-45.87	-69.70	2.64	13.47	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)
Middle	3471	-38.41	-13	-25.41	-45.10	1.75	8.44	H
	5208	-51.26	-13	-38.26	-59.68	1.94	10.36	H
	6948	-47.44	-13	-34.44	-56.68	2.47	11.71	H
	3471	-35.14	-13	-22.14	-41.83	1.75	8.44	V
	5208	-51.37	-13	-38.37	-59.79	1.94	10.36	V
	6948	-47.37	-13	-34.37	-56.61	2.47	11.71	V

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

LTE Band 71 / 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)
Middle	1348	-66.63	-13	-53.63	-68.38	1.02	4.92	H
	2022	-64.55	-13	-51.55	-66.52	1.27	5.39	H
	2696	-61.53	-13	-48.53	-64.46	1.49	6.57	H
	1348	-66.53	-13	-53.53	-68.28	1.02	4.92	V
	2022	-64.27	-13	-51.27	-66.24	1.27	5.39	V
	2696	-61.44	-13	-48.44	-64.37	1.49	6.57	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5148	-60.21	-13	-47.21	-70.42	3.03	13.24	H
	7720	-55.48	-13	-42.48	-64.93	3.56	13.01	H
	10296	-58.85	-13	-45.85	-68.37	3.92	13.44	H
	5148	-61.30	-13	-48.3	-71.51	3.03	13.24	V
	7720	-56.52	-13	-43.52	-65.97	3.56	13.01	V
	10296	-58.80	-13	-45.8	-68.32	3.92	13.44	V

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



ULCA 2A-4A								
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)
LTE B2 BW 20MHz Middle 1RB0,QPSK	3741	-54.07	-13	-41.07	-60.76	1.75	8.44	H
	5613	-50.61	-13	-37.61	-59.03	1.94	10.36	H
	7488	-45.92	-13	-32.92	-55.16	2.47	11.71	H
	3741	-52.57	-13	-39.57	-59.26	1.75	8.44	V
	5613	-50.09	-13	-37.09	-58.51	1.94	10.36	V
	7488	-45.65	-13	-32.65	-54.89	2.47	11.71	V
LTE B4 BW 20MHz Middle 1RB49, QPSK	3447	-57.90	-13	-44.90	-64.16	1.843	8.10	H
	5172	-50.92	-13	-37.92	-59.84	2.58	11.50	H
	6900	-47.83	-13	-34.83	-57.59	3.49	13.24	H
	3447	-57.58	-13	-44.58	-63.84	1.84	8.10	V
	5172	-50.85	-13	-37.85	-59.77	2.58	11.50	V
	6900	-47.50	-13	-34.50	-57.26	3.49	13.24	V

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

ULCA 2A-12A								
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)
LTE B2 BW 20MHz Middle 1RB0,QPSK	3740	-55.32	-13	-42.32	-61.58	1.843	8.10	H
	5615	-52.30	-13	-39.30	-60.61	2.19	10.50	H
	7488	-48.16	-13	-35.16	-57.08	2.58	11.50	H
	3740	-54.22	-13	-41.22	-60.48	1.84	8.10	V
	5615	-52.76	-13	-39.76	-61.07	2.19	10.50	V
	7488	-47.72	-13	-34.72	-56.64	2.58	11.50	V
LTE B12 BW 10MHz Middle 1RB0,QPSK	1405	-66.45	-13	-53.45	-69.69	1.11	6.50	H
	2110	-64.02	-13	-51.02	-66.64	1.43	6.20	H
	2810	-61.55	-13	-48.55	-65.99	1.71	8.30	H
	1405	-66.26	-13	-53.26	-69.50	1.11	6.50	V
	2110	-64.02	-13	-51.02	-66.64	1.43	6.20	V
	2810	-61.21	-13	-48.21	-65.65	1.71	8.30	V

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



ULCA_2A-66A								
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)
LTE B2 BW 20MHz Middle 1RB0,QPSK	3741	-53.93	-13	-40.93	-62.24	2.19	10.50	H
	5613	-50.08	-13	-37.08	-60.06	2.80	12.78	H
	7488	-45.84	-13	-32.84	-56.02	3.83	14.01	H
	3741	-52.75	-13	-39.75	-61.06	2.19	10.50	V
	5613	-50.65	-13	-37.65	-60.63	2.80	12.78	V
	7488	-45.65	-13	-32.65	-55.83	3.83	14.01	V
LTE B66 BW 20MHz Middle 1RB49, QPSK	3471	-57.83	-13	-44.83	-64.52	1.75	8.44	H
	5208	-51.26	-13	-38.26	-59.68	1.94	10.36	H
	6948	-47.38	-13	-34.38	-56.62	2.47	11.71	H
	3471	-58.43	-13	-45.43	-65.12	1.75	8.44	V
	5208	-51.77	-13	-38.77	-60.19	1.94	10.36	V
	6948	-47.28	-13	-34.28	-56.52	2.47	11.71	V

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

ULCA_12A-66A								
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)
LTE B12 BW 10MHz Middle 1RB0,QPSK	1405	-66.72	-13	-53.72	-69.96	1.11	6.50	H
	2110	-63.91	-13	-50.91	-66.53	1.43	6.20	H
	2810	-61.30	-13	-48.30	-65.74	1.71	8.30	H
	1405	-66.30	-13	-53.30	-69.54	1.11	6.50	V
	2110	-64.14	-13	-51.14	-66.76	1.43	6.20	V
	2810	-61.08	-13	-48.08	-65.52	1.71	8.30	V
LTE B66 BW 20MHz Middle 1RB49, QPSK	3470	-46.94	-13	-33.94	-53.63	1.75	8.44	H
	5210	-53.66	-13	-40.66	-62.08	1.94	10.36	H
	6948	-49.40	-13	-36.40	-58.64	2.47	11.71	H
	3470	-47.32	-13	-34.32	-54.01	1.75	8.44	V
	5210	-53.44	-13	-40.44	-61.86	1.94	10.36	V
	6948	-49.20	-13	-36.20	-58.44	2.47	11.71	V

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



Appendix C.Setup Photographs