5.2.6 LTE Band 13

Conducted Power(dBm)								
Modulation			QPSK			16QAM		
Band	Bandwidth (MHz)	RB	23205 779.5 MHz	23230 782 MHz	23255 784.5 MHz	23205 779.5 MHz	23230 782 MHz	23255 784.5 MHz
13	5	1@0	23.42	23.42	23.46	22.31	22.14	22.55
		1@12	23.49	23.54	23.56	22.40	22.25	22.65
		1@24	23.45	23.41	23.44	22.29	22.17	22.56
		12@0	22.40	22.43	22.51	21.35	21.41	21.45
		12@7	22.48	22.44	22.48	21.56	21.52	21.59
		12@13	22.41	22.44	22.41	21.34	21.42	21.49
		25@0	22.38	22.42	22.45	21.47	21.49	21.48
Band	Bandwidth (MHz)	RB	-- --	23230 782 MHz	-- --	-- --	23230 782 MHz	-- --
13	10	1@0	--	23.50	--	--	22.30	--
		1@25	--	23.58	--	--	22.32	--
		1@49	--	23.53	--	--	22.34	--
		25@0	--	22.44	--	--	21.50	--
		25@12	--	22.51	--	--	21.61	--
		25@25	--	22.39	--	--	21.52	--
		50@0	--	22.46	--	--	21.47	--

5.2.7 LTE Band 17

Conducted Power(dBm)								
Modulation			QPSK			16QAM		
Band	Bandwidth (MHz)	RB	23755 706.5 MHz	23790 710 MHz	23825 713.5 MHz	23755 706.5 MHz	23790 710 MHz	23825 713.5 MHz
17	5	1@0	23.38	23.45	23.42	22.28	22.22	22.54
		1@12	23.56	23.51	23.51	22.46	22.33	22.68
		1@24	23.44	23.42	23.41	22.28	22.21	22.61
		12@0	22.41	22.37	22.41	21.47	21.41	21.48
		12@7	22.53	22.48	22.48	21.60	21.58	21.69
		12@13	22.47	22.37	22.43	21.45	21.42	21.45
		25@0	22.46	22.41	22.43	21.55	21.55	21.51
Band	Bandwidth (MHz)	RB	23780 709 MHz	23790 710 MHz	23800 711 MHz	23780 709 MHz	23790 710 MHz	23800 711 MHz
17	10	1@0	23.45	23.48	23.50	22.27	23.07	22.51
		1@25	23.48	23.48	23.49	22.34	23.06	22.52
		1@49	23.59	23.52	23.51	22.38	23.02	22.48
		25@0	22.38	22.42	22.41	21.50	21.50	21.46
		25@12	22.52	22.44	22.46	21.67	21.57	21.60
		25@25	22.42	22.41	22.39	21.57	21.54	21.46
		50@0	22.44	22.47	22.40	21.48	21.48	21.48

5.2.8 LTE Band 25

Conducted Power(dBm)								
Modulation			QPSK			16QAM		
Band	Bandwidth	RB	26047	26365	266263	26047	26365	266263
	(MHz)		1850.7 MHz	1882.5 MHz	1914.3 MHz	1850.7 MHz	1882.5 MHz	1914.3 MHz
25	1.4	1@0	23.13	23.10	23.12	22.02	21.87	22.10
		1@3	23.21	23.11	23.16	22.06	21.88	22.16
		1@5	23.09	23.06	23.08	21.93	21.78	22.07
		3@0	23.24	23.21	23.21	22.26	22.35	22.08
		3@1	23.25	23.21	23.20	22.44	22.22	22.36
		3@3	23.28	23.17	23.18	22.29	22.32	22.08
		6@0	22.32	22.23	22.31	21.24	21.25	21.27
Band	Bandwidth	RB	26055	26365	26675	26055	26365	26675
	(MHz)		1851.5 MHz	1882.5 MHz	1913.5 MHz	1851.5 MHz	1882.5 MHz	1913.5 MHz
25	3	1@0	23.06	23.00	23.00	21.87	22.53	21.96
		1@8	23.12	23.00	23.15	22.01	22.55	22.13
		1@14	23.09	22.98	23.06	21.91	22.50	22.03
		8@0	22.29	22.16	22.25	21.35	21.31	21.21
		8@4	22.33	22.24	22.28	21.34	21.38	21.35
		8@7	22.23	22.17	22.22	21.32	21.33	21.13
		15@0	22.25	22.19	22.26	21.30	21.21	21.14
Band	Bandwidth	RB	26065	26365	26665	26065	26365	26665
	(MHz)		1852.5 MHz	1882.5 MHz	1912.5 MHz	1852.5 MHz	1882.5 MHz	1912.5 MHz
25	5	1@0	23.32	23.35	23.29	22.24	22.04	22.47
		1@12	23.43	23.40	23.41	22.29	22.21	22.53
		1@24	23.35	23.25	23.30	22.23	22.08	22.43
		12@0	22.32	22.24	22.30	21.28	21.24	21.31
		12@7	22.40	22.34	22.33	21.47	21.40	21.48
		12@13	22.35	22.28	22.17	21.33	21.27	21.24
		25@0	22.39	22.31	22.24	21.44	21.39	21.27
Band	Bandwidth	RB	26090	26365	26640	26090	26365	26640
	(MHz)		1855 MHz	1882.5 MHz	1910 MHz	1855 MHz	1882.5 MHz	1910 MHz
25	10	1@0	23.39	23.40	23.38	22.20	22.89	22.35
		1@25	23.40	23.35	23.35	22.27	22.92	22.39
		1@49	23.40	23.31	23.35	22.24	22.81	22.31
		25@0	22.34	22.29	22.33	21.42	21.42	21.38
		25@12	22.44	22.38	22.39	21.52	21.45	21.46
		25@25	22.40	22.31	22.28	21.47	21.42	21.29
		50@0	22.38	22.30	22.35	21.41	21.31	21.38
Band	Bandwidth	RB	26115	26365	26615	26115	26365	26615
	(MHz)		1857.5 MHz	1882.5 MHz	1907.5 MHz	1857.5 MHz	1882.5 MHz	1907.5 MHz
25	15	1@0	23.30	23.28	23.25	22.54	22.86	22.26
		1@37	23.36	23.28	23.44	22.64	22.86	22.45
		1@74	23.30	23.21	23.25	22.46	22.79	22.26
		36@0	22.36	22.29	22.34	21.38	21.31	21.36
		36@20	22.43	22.31	22.36	21.37	21.34	21.46
		36@39	22.43	22.29	22.31	21.35	21.31	21.30
		75@0	22.43	22.32	22.39	21.37	21.32	21.41
Band	Bandwidth	RB	26140	26365	8590	26140	26365	8590
	(MHz)		1860 MHz	1882.5 MHz	1905 MHz	1860 MHz	1882.5 MHz	1905 MHz
25	20	1@0	23.21	23.26	23.21	22.66	22.38	22.28
		1@49	23.38	23.46	23.42	22.88	22.58	22.54
		1@99	23.20	23.22	23.17	22.68	22.36	22.27
		50@0	22.36	22.33	22.38	21.34	21.32	21.34
		50@24	22.44	22.41	22.38	21.42	21.39	21.44
		50@50	22.43	22.34	22.29	21.43	21.31	21.34
		100@0	22.38	22.32	22.36	21.43	21.32	21.35

5.2.9 LTE Band 26 (Part 90S)

Conducted Power(dBm)								
Modulation			QPSK			16QAM		
Band	Bandwidth	RB	26697	26740	26783	26697	26740	26783
	(MHz)		814.7 MHz	819 MHz	823.3 MHz	814.7 MHz	819 MHz	823.3 MHz
26	1.4	1@0	23.32	23.41	23.38	22.19	22.11	22.32
		1@3	23.40	23.43	23.39	22.19	22.14	22.42
		1@5	23.31	23.35	23.36	22.19	22.12	22.34
		3@0	23.41	23.51	23.45	22.51	22.59	22.37
		3@1	23.44	23.44	23.47	22.67	22.52	22.65
		3@3	23.43	23.48	23.41	22.53	22.64	22.40
		6@0	22.47	22.54	22.55	21.42	21.54	21.54
Band	Bandwidth	RB	26705	26740	26775	26705	26740	26775
	(MHz)		815.5 MHz	819 MHz	822.5 MHz	815.5 MHz	819 MHz	822.5 MHz
26	3	1@0	23.27	23.22	23.26	22.07	22.88	22.24
		1@8	23.28	23.32	23.42	22.20	22.87	22.38
		1@14	23.28	23.27	23.29	22.10	22.79	22.34
		8@0	22.44	22.46	22.48	21.50	21.64	21.43
		8@4	22.51	22.52	22.54	21.58	21.65	21.64
		8@7	22.48	22.48	22.49	21.55	21.62	21.40
		15@0	22.47	22.45	22.48	21.48	21.50	21.39
Band	Bandwidth	RB	26715	26740	26765	26715	26740	26765
	(MHz)		816.5 MHz	819 MHz	821.5 MHz	816.5 MHz	819 MHz	821.5 MHz
26	5	1@0	23.51	23.55	23.56	22.43	22.33	22.68
		1@12	23.68	23.66	23.71	22.54	22.45	22.83
		1@24	23.52	23.58	23.60	22.42	22.34	22.72
		12@0	22.51	22.50	22.46	21.42	21.47	21.48
		12@7	22.59	22.61	22.60	21.64	21.68	21.75
		12@13	22.55	22.56	22.59	21.51	21.55	21.58
		25@0	22.57	22.55	22.54	21.60	21.67	21.58
Band	Bandwidth	RB	--	26740	--	--	26740	--
	(MHz)		--	819 MHz	--	--	819 MHz	--
26	10	1@0	--	23.51	--	--	23.14	--
		1@25	--	23.57	--	--	23.18	--
		1@49	--	23.66	--	--	23.14	--
		25@0	--	22.45	--	--	21.52	--
		25@12	--	22.57	--	--	21.63	--
		25@25	--	22.60	--	--	21.69	--
		50@0	--	22.56	--	--	21.57	--
Band	Bandwidth	RB	--	--	26765	--	--	26765
	(MHz)		--	--	821.5 MHz	--	--	821.5 MHz
26	15	1@0	--	--	23.46	--	--	22.71
		1@37	--	--	23.72	--	--	22.88
		1@74	--	--	23.49	--	--	22.76
		36@0	--	--	22.53	--	--	21.49
		36@20	--	--	22.60	--	--	21.59
		36@39	--	--	22.62	--	--	21.62
		75@0	--	--	22.57	--	--	21.58

5.2.10 LTE Band 26 (Part 22)

Conducted Power(dBm)								
Modulation			QPSK			16QAM		
Band	Bandwidth (MHz)	RB	26797 824.7 MHz	26915 836.5 MHz	27033 848.3 MHz	26797 824.7 MHz	26915 836.5 MHz	27033 848.3 MHz
26	1.4	1@0	23.36	23.37	23.48	22.41	22.25	22.14
		1@3	23.44	23.43	23.54	22.41	22.31	22.18
		1@5	23.39	23.47	23.60	22.30	22.25	22.13
		3@0	23.44	23.48	23.53	22.41	22.55	22.57
		3@1	23.51	23.52	23.53	22.64	22.70	22.47
		3@3	23.47	23.53	23.50	22.38	22.59	22.56
		6@0	22.51	22.56	22.65	21.55	21.53	21.57
Band	Bandwidth (MHz)	RB	26805 825.5 MHz	26915 836.5 MHz	27025 847.5 MHz	26805 825.5 MHz	26915 836.5 MHz	27025 847.5 MHz
26	3	1@0	23.27	23.29	23.37	22.10	22.90	22.26
		1@8	23.36	23.40	23.46	22.22	22.98	22.44
		1@14	23.27	23.30	23.46	22.14	22.77	22.36
		8@0	22.50	22.50	22.61	21.54	21.66	21.54
		8@4	22.57	22.54	22.61	21.57	21.71	21.65
		8@7	22.49	22.53	22.54	21.51	21.69	21.45
		15@0	22.44	22.51	22.52	21.50	21.56	21.44
Band	Bandwidth (MHz)	RB	26815 826.5 MHz	26915 836.5 MHz	27015 846.5 MHz	26815 826.5 MHz	26915 836.5 MHz	27015 846.5 MHz
26	5	1@0	23.59	23.58	23.62	22.38	22.77	22.50
		1@12	23.75	23.77	23.66	22.45	22.94	22.52
		1@24	23.63	23.59	23.67	22.38	22.76	22.44
		12@0	22.54	22.62	22.64	21.49	21.65	21.56
		12@7	22.60	22.69	22.66	21.67	21.82	21.73
		12@13	22.61	22.67	22.45	21.55	21.70	21.42
		25@0	22.60	22.66	22.60	21.63	21.72	21.66
Band	Bandwidth (MHz)	RB	26840 829 MHz	26915 836.5 MHz	26990 844 MHz	26840 829 MHz	26915 836.5 MHz	26990 844 MHz
26	10	1@0	23.65	23.63	23.63	23.17	22.64	22.47
		1@25	23.63	23.67	23.65	23.18	22.68	22.53
		1@49	23.67	23.63	23.76	23.20	22.63	22.53
		25@0	22.64	22.64	22.66	21.66	21.71	21.79
		25@12	22.66	22.72	22.67	21.70	21.74	21.79
		25@25	22.53	22.67	22.60	21.67	21.75	21.70
		50@0	22.59	22.66	22.63	21.60	21.69	21.69
Band	Bandwidth (MHz)	RB	26865 831.5 MHz	26915 836.5 MHz	26965 841.5 MHz	26865 831.5 MHz	26915 836.5 MHz	26965 841.5 MHz
26	15	1@0	23.55	23.58	23.57	22.79	23.15	22.58
		1@37	23.61	23.78	23.66	22.81	23.31	22.70
		1@74	23.52	23.61	23.68	22.77	23.16	22.58
		36@0	22.61	22.63	22.55	21.64	21.62	21.64
		36@20	22.71	22.66	22.64	21.62	21.70	21.78
		36@39	22.60	22.58	22.57	21.60	21.64	21.64
		75@0	22.64	22.71	22.61	21.61	21.70	21.62

5.2.11 LTE Band 30

Conducted Power(dBm)								
Modulation			QPSK			16QAM		
Band	Bandwidth (MHz)	RB	27685 2307.5 MHz	27710 2310.0 MHz	27735 2312.5 MHz	27685 2307.5 MHz	27710 2310.0 MHz	27735 2312.5 MHz
30	5	1@0	23.23	23.37	23.46	22.12	22.04	22.43
		1@12	23.39	23.52	23.57	22.28	22.15	22.54
		1@24	23.33	23.40	23.48	22.21	22.12	22.51
		12@0	22.26	22.30	22.39	21.26	21.29	21.36
		12@7	22.39	22.42	22.40	21.45	21.40	21.49
		12@13	22.37	22.37	22.32	21.30	21.33	21.29
		25@0	22.32	22.32	22.35	21.43	21.38	21.33
Band	Bandwidth (MHz)	RB	-- --	27710 2310.0 MHz	-- --	-- --	27710 2310.0 MHz	-- --
30	10	1@0	--	23.30	--	--	22.15	--
		1@25	--	23.48	--	--	22.22	--
		1@49	--	23.57	--	--	22.24	--
		25@0	--	22.30	--	--	21.40	--
		25@12	--	22.36	--	--	21.51	--
		25@25	--	22.37	--	--	21.45	--
		50@0	--	22.33	--	--	21.38	--

5.2.12 LTE Band 38

Conducted Power(dBm)								
Modulation			QPSK			16QAM		
Band	Bandwidth (MHz)	RB	37775 2572.5 MHz	38000 2595 MHz	38225 2617.5 MHz	37775 2572.5 MHz	38000 2595 MHz	38225 2617.5 MHz
38	5	1@0	23.15	23.27	23.33	22.09	22.15	22.36
		1@12	23.31	23.40	23.41	22.20	22.27	22.46
		1@24	23.19	23.27	23.33	22.12	22.15	22.41
		12@0	22.08	22.28	22.35	21.11	21.25	21.37
		12@7	22.22	22.30	22.35	21.24	21.31	21.51
		12@13	22.16	22.21	22.33	21.12	21.26	21.35
		25@0	22.16	22.26	22.34	21.15	21.30	21.37
Band	Bandwidth (MHz)	RB	37800 2575 MHz	38000 2595 MHz	38200 2615 MHz	37800 2575 MHz	38000 2595 MHz	38200 2615 MHz
38	10	1@0	23.19	23.32	23.15	22.21	22.09	22.22
		1@25	23.27	23.36	23.36	22.30	22.10	22.25
		1@49	23.26	23.34	23.25	22.25	22.05	22.24
		25@0	22.20	22.31	22.32	21.16	21.36	21.37
		25@12	22.25	22.30	22.37	21.23	21.35	21.43
		25@25	22.23	22.28	22.37	21.19	21.35	21.39
		50@0	22.24	22.32	22.40	21.22	21.30	21.38
Band	Bandwidth (MHz)	RB	37825 2577.5 MHz	38000 2595 MHz	38175 2612.5 MHz	37825 2577.5 MHz	38000 2595 MHz	38175 2612.5 MHz
38	15	1@0	23.25	23.28	23.26	22.17	22.01	22.37
		1@37	23.36	23.36	23.34	22.30	22.14	22.50
		1@74	23.23	23.27	23.28	22.27	22.00	22.41
		36@0	22.21	22.27	22.36	21.16	21.24	21.39
		36@20	22.25	22.31	22.38	21.24	21.32	21.39
		36@39	22.21	22.27	22.35	21.22	21.23	21.36
		75@0	22.23	22.30	22.34	21.15	21.31	21.36
Band	Bandwidth (MHz)	RB	37850 2580 MHz	38000 2595 MHz	38150 2610 MHz	37850 2580 MHz	38000 2595 MHz	38150 2610 MHz
38	20	1@0	23.14	23.24	23.36	22.22	22.09	21.94
		1@49	23.33	23.38	23.47	22.41	22.29	22.17
		1@99	23.19	23.25	23.45	22.34	22.10	22.04
		50@0	22.17	22.31	22.31	21.24	21.29	21.34
		50@24	22.28	22.33	22.38	21.34	21.30	21.38
		50@50	22.22	22.25	22.29	21.26	21.21	21.30
		100@0	22.22	22.28	22.27	21.21	21.20	21.32

5.2.13 LTE Band 40A

Conducted Power(dBm)								
Modulation			QPSK			16QAM		
Band	Bandwidth (MHz)	RB	38725 2307.5 MHz	38775 2312.5 MHz	38825 2317.5 MHz	38725 2307.5 MHz	38775 2312.5 MHz	38825 2317.5 MHz
40	5	1@0	22.48	22.55	22.51	21.53	21.77	21.51
		1@12	22.61	22.67	22.61	21.68	21.90	21.59
		1@24	22.52	22.57	22.46	21.56	21.78	21.48
		12@0	21.54	21.56	21.51	20.55	20.57	20.48
		12@7	21.55	21.58	21.53	20.54	20.59	20.51
		12@13	21.50	21.54	21.50	20.57	20.56	20.49
		25@0	21.49	21.55	21.49	20.61	20.54	20.51
Band	Bandwidth (MHz)	RB	-- --	38775 2312.5 MHz	-- --	-- --	38775 2312.5 MHz	-- --
40	10	1@0	--	22.54	--	--	21.57	--
		1@25	--	22.68	--	--	21.63	--
		1@49	--	22.54	--	--	21.55	--
		25@0	--	21.53	--	--	20.51	--
		25@12	--	21.53	--	--	20.50	--
		25@25	--	21.49	--	--	20.49	--
		50@0	--	21.54	--	--	20.51	--

5.2.14 LTE Band 40B

Conducted Power(dBm)								
Modulation			QPSK			16QAM		
Band	Bandwidth (MHz)	RB	39125 2347.5 MHz	39175 2352.5 MHz	39225 2357.5 MHz	39125 2347.5 MHz	39175 2352.5 MHz	39225 2357.5 MHz
40	5	1@0	22.45	22.54	22.50	21.53	21.77	21.49
		1@12	22.58	22.66	22.63	21.67	21.89	21.63
		1@24	22.48	22.54	22.54	21.55	21.78	21.55
		12@0	21.53	21.53	21.56	20.52	20.55	20.55
		12@7	21.48	21.54	21.55	20.58	20.57	20.57
		12@13	21.51	21.55	21.58	20.55	20.57	20.56
		25@0	21.48	21.52	21.55	20.58	20.54	20.60
Band	Bandwidth (MHz)	RB	-- --	39175 2352.5 MHz	-- --	-- --	39175 2352.5 MHz	-- --
40	10	1@0	--	22.63	--	--	21.53	--
		1@25	--	22.66	--	--	21.57	--
		1@49	--	22.64	--	--	21.53	--
		25@0	--	21.53	--	--	20.59	--
		25@12	--	21.55	--	--	20.55	--
		25@25	--	21.55	--	--	20.58	--
		50@0	--	21.57	--	--	20.56	--

5.2.15 LTE Band 41

Conducted Power(dBm)								
Modulation			QPSK			16QAM		
Band	Bandwidth (MHz)	RB	39675 2498.5 MHz	40620 2593 MHz	41565 2687.5 MHz	39675 2498.5 MHz	40620 2593 MHz	41565 2687.5 MHz
41	5	1@0	23.02	23.34	23.62	22.02	22.23	22.70
		1@12	23.26	23.41	23.76	22.14	22.32	22.82
		1@24	23.16	23.35	23.65	22.05	22.20	22.68
		12@0	22.10	22.31	22.65	21.06	21.31	21.72
		12@7	22.17	22.34	22.71	21.22	21.39	21.83
		12@13	22.11	22.33	22.64	21.06	21.30	21.68
		25@0	22.08	22.29	22.69	21.17	21.33	21.68
Band	Bandwidth (MHz)	RB	39700 2501 MHz	40620 2593 MHz	41540 2685 MHz	39700 2501 MHz	40620 2593 MHz	41540 2685 MHz
41	10	1@0	23.11	23.30	23.71	22.17	22.11	22.53
		1@25	23.17	23.41	23.76	22.14	22.18	22.58
		1@49	23.20	23.36	23.74	22.20	22.10	22.61
		25@0	22.08	22.30	22.69	21.12	21.33	21.75
		25@12	22.16	22.35	22.75	21.20	21.39	21.78
		25@25	22.15	22.31	22.70	21.12	21.39	21.74
		50@0	22.12	22.34	22.69	21.16	21.33	21.77
Band	Bandwidth (MHz)	RB	39725 2503.5 MHz	40620 2593 MHz	41515 2682.5 MHz	39725 2503.5 MHz	40620 2593 MHz	41515 2682.5 MHz
41	15	1@0	23.00	23.25	23.52	22.08	22.05	22.68
		1@37	23.21	23.40	23.63	22.21	22.13	22.78
		1@74	23.10	23.25	23.54	22.08	22.06	22.72
		36@0	22.13	22.25	22.65	21.09	21.23	21.69
		36@20	22.19	22.29	22.68	21.15	21.32	21.71
		36@39	22.18	22.23	22.60	21.13	21.22	21.71
		75@0	22.18	22.29	22.67	21.06	21.29	21.69
Band	Bandwidth (MHz)	RB	39750 2506 MHz	40620 2593 MHz	41490 2680 MHz	39750 2506 MHz	40620 2593 MHz	41490 2680 MHz
41	20	1@0	23.06	23.24	23.44	22.14	22.11	22.29
		1@49	23.44	23.63	23.78	22.36	22.33	22.48
		1@99	23.09	23.29	23.52	22.18	22.17	22.37
		50@0	22.05	22.27	22.64	21.06	21.28	21.68
		50@24	22.15	22.35	22.74	21.21	21.36	21.77
		50@50	22.11	22.30	22.58	21.15	21.29	21.62
		100@0	22.07	22.29	22.64	21.06	21.29	21.64

5.2.16 LTE Band 66

Conducted Power(dBm)								
Modulation			QPSK			16QAM		
Band	Bandwidth (MHz)	RB	131979	132322	132665	131979	132322	132665
			1710.7 MHz	1745 MHz	1779.3 MHz	1710.7 MHz	1745 MHz	1779.3 MHz
66	1.4	1@0	23.02	23.46	23.39	22.21	22.34	22.14
		1@3	23.61	23.54	23.45	22.29	22.46	22.22
		1@5	23.54	23.47	23.44	22.22	22.38	22.14
		3@0	23.56	23.50	23.39	22.62	22.38	22.35
		3@1	23.59	23.54	23.40	22.55	22.60	22.48
		3@3	23.56	23.49	23.38	22.64	22.40	22.32
		6@0	22.68	22.62	22.56	21.59	21.60	21.43
Band	Bandwidth (MHz)	RB	131987	132322	132657	131987	132322	132657
			1711.5 MHz	1745 MHz	1778.5 MHz	1711.5 MHz	1745 MHz	1778.5 MHz
66	3	1@0	23.49	23.38	23.31	22.20	22.82	22.22
		1@8	23.56	23.47	23.41	22.29	22.86	22.34
		1@14	23.49	23.39	23.36	22.28	22.75	22.24
		8@0	22.64	22.57	22.52	21.66	21.61	21.37
		8@4	22.70	22.59	22.54	21.70	21.65	21.56
		8@7	22.65	22.57	22.48	21.63	21.63	21.35
		15@0	22.59	22.55	22.43	21.58	21.52	21.30
Band	Bandwidth (MHz)	RB	131997	132322	132647	131997	132322	132647
			1712.5 MHz	1745 MHz	1777.5 MHz	1712.5 MHz	1745 MHz	1777.5 MHz
66	5	1@0	23.70	23.61	23.52	22.54	22.32	22.54
		1@12	23.83	23.76	23.72	22.61	22.42	22.70
		1@24	23.66	23.62	23.55	22.52	22.36	22.65
		12@0	22.63	22.54	22.47	21.57	21.51	21.48
		12@7	22.74	22.65	22.52	21.73	21.70	21.62
		12@13	22.65	22.61	22.49	21.63	21.54	21.45
		25@0	22.68	22.57	22.47	21.69	21.62	21.44
Band	Bandwidth (MHz)	RB	132022	132322	132622	132022	132322	132622
			1715 MHz	1745 MHz	1775 MHz	1715 MHz	1745 MHz	1775 MHz
66	10	1@0	23.22	23.70	23.64	23.13	22.60	22.40
		1@25	23.81	23.73	23.60	23.14	22.68	22.37
		1@49	23.82	23.72	23.66	23.19	22.62	22.37
		25@0	22.62	22.52	22.49	21.67	21.55	21.55
		25@12	22.69	22.66	22.51	21.78	21.68	21.61
		25@25	22.70	22.62	22.52	21.75	21.62	21.53
		50@0	22.67	22.59	22.53	21.64	21.58	21.51
Band	Bandwidth (MHz)	RB	132047	132322	132597	132047	132322	132597
			1717.5 MHz	1745 MHz	1772.5 MHz	1717.5 MHz	1745 MHz	1772.5 MHz
66	15	1@0	23.12	23.67	23.54	23.08	22.59	22.66
		1@37	23.85	23.74	23.60	23.23	22.69	22.76
		1@74	23.73	23.62	23.55	23.09	22.52	22.61
		36@0	22.75	22.68	22.58	21.72	21.65	21.56
		36@20	22.78	22.73	22.68	21.74	21.70	21.59
		36@39	22.80	22.69	22.64	21.73	21.62	21.52
		75@0	22.78	22.71	22.65	21.71	21.65	21.54
Band	Bandwidth (MHz)	RB	132072	132322	132572	132072	132322	132572
			1720 MHz	1745 MHz	1770 MHz	1720 MHz	1745 MHz	1770 MHz
66	20	1@0	23.61	23.61	23.46	22.92	22.65	22.43
		1@49	23.88	23.77	23.71	23.16	22.86	22.69
		1@99	23.61	23.57	23.46	22.96	22.63	22.45
		50@0	22.63	22.59	22.55	21.59	21.50	21.52
		50@24	22.72	22.65	22.60	21.66	21.66	21.58
		50@50	22.72	22.60	22.48	21.65	21.56	21.43
		100@0	22.64	22.61	22.49	21.58	21.57	21.46

5.2.17 LTE Band 71

Conducted Power(dBm)								
Modulation			QPSK			16QAM		
Band	Bandwidth (MHz)	RB	133147 665.5 MHz	133297 680.5 MHz	133447 695.5 MHz	133147 665.5 MHz	133297 680.5 MHz	133447 695.5 MHz
71	5	1@0	23.42	23.44	23.43	22.32	22.27	22.63
		1@12	23.47	23.58	23.57	22.44	22.39	22.74
		1@24	23.49	23.44	23.51	22.39	22.29	22.64
		12@0	22.52	22.56	22.52	21.42	21.45	21.54
		12@7	22.58	22.61	22.55	21.64	21.64	21.71
		12@13	22.56	22.57	22.46	21.49	21.48	21.53
		25@0	22.55	22.56	22.55	21.56	21.56	21.54
Band	Bandwidth (MHz)	RB	133172 668 MHz	133297 680.5 MHz	133422 693 MHz	133172 668 MHz	133297 680.5 MHz	133422 693 MHz
71	10	1@0	23.49	23.46	23.49	22.35	22.99	22.52
		1@25	23.54	23.54	23.51	22.41	23.15	22.50
		1@49	23.55	23.54	23.58	22.40	23.16	22.58
		25@0	22.49	22.59	22.67	21.56	21.61	21.68
		25@12	22.57	22.53	22.61	21.68	21.61	21.64
		25@25	22.70	22.63	22.49	21.78	21.67	21.50
		50@0	22.64	22.63	22.59	21.59	21.62	21.55
Band	Bandwidth (MHz)	RB	133197 670.5 MHz	133297 680.5 MHz	133397 690.5 MHz	133197 670.5 MHz	133297 680.5 MHz	133397 690.5 MHz
71	15	1@0	23.42	23.40	23.38	22.67	22.97	22.46
		1@37	23.51	23.55	23.52	22.81	23.17	22.57
		1@74	23.38	23.46	23.53	22.65	23.07	22.48
		36@0	22.43	22.56	22.50	21.43	21.61	21.49
		36@20	22.58	22.56	22.55	21.49	21.55	21.57
		36@39	22.47	22.68	22.47	21.39	21.68	21.53
		75@0	22.49	22.67	22.52	21.41	21.67	21.51
Band	Bandwidth (MHz)	RB	133222 673 MHz	133322 683 MHz	133372 688 MHz	133222 673 MHz	133322 683 MHz	133372 688 MHz
71	20	1@0	23.30	23.38	23.33	22.79	22.55	22.50
		1@49	23.50	23.53	23.62	23.01	22.78	22.69
		1@99	23.36	23.40	23.39	22.88	22.61	22.53
		50@0	22.24	22.62	22.41	21.18	21.58	21.38
		50@24	22.55	22.59	22.59	21.51	21.68	21.58
		50@50	22.37	22.61	22.35	21.38	21.58	21.42
		100@0	22.26	22.61	22.37	21.32	21.63	21.40

5.3 ERP OR EIRP

Test Requirement: FCC 47 CFR Part 2.1046(a)
LTE Band 2 & LTE Band 25: FCC 47 CFR Part 24.232(c)
LTE Band 4 & LTE Band 66: FCC 47 CFR Part 27.50(d)(4)
LTE Band 5 & LTE Band 26: FCC 47 CFR Part 22.913(a)
LTE Band 7 & Band 38 & Band 41: FCC 47 CFR Part 27.50(h)(2)
LTE Band 12 & Band 17 & Band 71: FCC 47 CFR Part 27.50(c)(10)
LTE Band 13: FCC 47 CFR Part 27.50(b)(10)
LTE Band 26: FCC 47 CFR Part 90.635
LTE Band 30 & Band 40: FCC 47 CFR Part 27.50(a)(3)

Test Method: KDB 971168 D01v03r01 Section 5.6 & ANSI C63.26-2015

Limit:

FCC 47 CFR Part 22.913(a):
The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 Watts.

FCC 47 CFR Part 24.232(c):
Mobile and portable stations are limited to 2 watts EIRP.

FCC 47 CFR Part 27.50(d)(4):
Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

FCC 47 CFR Part 27.50(c)(10):
Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

FCC 47 CFR Part 27.50(h)(2):
Mobile and other user stations. Mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

FCC 47 CFR Part 27.50(b)(10):
Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP.

FCC 47 CFR Part 27.50(a)(3):
For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth. For mobile and portable stations using time division duplexing (TDD) technology, the duty cycle must not exceed 38 percent in the 2305-2315 MHz and 2350-2360 MHz bands. Mobile and portable stations using FDD technology are restricted to transmitting in the 2305-2315 MHz band. Power averaging shall not include intervals in which the transmitter is off.

FCC 47 CFR Part 90.635:
(a) The effective radiated power and antenna height for base stations may not exceed 1 kilowatt (30 dBw) and 304 m. (1,000 ft.) above average terrain (AAT), respectively, or the equivalent thereof as determined from the Table. These are maximum values, and applicants will be required to justify power levels and antenna heights requested.
(b) The maximum output power of the transmitter for mobile stations is 100 watts (20 dBw).
Table—Equivalent Power and Antenna Heights for Base Stations in the 851–869 MHz and 935–940 MHz Bands Which Have a Requirement for a 32 km (20 mi) Service Area Radius

Antenna height (ATT) meters (feet)	Effective radiated power (watts)[1 2 4]
Above 1,372 (4,500)	65
Above 1,220 (4,000) to 1,372 (4,500)	70

Above 1,067 (3,500) to 1,220 (4,000)	75
Above 915 (3,000) to 1,067 (3,500)	100
Above 763 (2,500) to 915 (3,000)	140
Above 610 (2,000) to 763 (2,500)	200
Above 458 (1,500) to 610 (2,000)	350
Above 305 (1,000) to 458 (1,500)	600
Up to 305 (1,000)	[3]1,000

1. Power is given in terms of effective radiated power (ERP).
2. Applicants in the Los Angeles, CA, area who demonstrate a need to serve both the downtown and fringe areas will be permitted to utilize an ERP of 1 kw at the following mountaintop sites: Santiago Park, Sierra Peak, Mount Lukens, and Mount Wilson.
3. Stations with antennas below 305 m (1,000 ft) (AAT) will be restricted to a maximum power of 1 kw (ERP).
4. Licensees in San Diego, CA, will be permitted to utilize an ERP of 500 watts at the following mountaintop sites: Palomar, Otay, Woodson and Miguel.

Test Procedure:

According to KDB 412172 D01 Power Approach,

- **ERP or EIRP = $P_T + G_T - L_C$**
- **ERP = EIRP - 2.15**

where

- **P_T** = transmitter output power, expressed in dBW, dBm, or PSD;
- **G_T** = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);
- **L_C = signal attenuation in the connecting cable between the transmitter and antenna, in dB.**

Test Setup: Refer to section 4.2.1 for details.

Instruments Used: Refer to section 3 for details

Test Mode: Link mode

Test Results: Pass

Test Data: See table below

Note: The maximum ERP/EIRP is calculated from max output power and antenna gain, the antenna gain provided by the customer, and the customer takes all the responsibilities for the accuracy of antenna gain.

5.3.1 LTE Band 2

Channel	Maximum EIRP (dBm)			Maximum EIRP (W)			Result
	QPSK	16QAM	Limit (dBm)	QPSK	16QAM	Limit (W)	
Channel Bandwidth: 1.4MHz							
Lowest	22.34	21.51	33.01	0.1714	0.1416	2	Pass
Middle	22.30	21.43	33.01	0.1698	0.1390	2	Pass
Highest	22.30	21.45	33.01	0.1698	0.1396	2	Pass
Channel Bandwidth: 3MHz							
Lowest	22.24	21.06	33.01	0.1675	0.1276	2	Pass
Middle	22.18	21.69	33.01	0.1652	0.1476	2	Pass
Highest	22.20	21.21	33.01	0.1660	0.1321	2	Pass
Channel Bandwidth: 5MHz							
Lowest	22.53	21.36	33.01	0.1791	0.1368	2	Pass
Middle	22.46	21.26	33.01	0.1762	0.1337	2	Pass
Highest	22.49	21.66	33.01	0.1774	0.1466	2	Pass
Channel Bandwidth: 10MHz							
Lowest	22.53	21.32	33.01	0.1791	0.1355	2	Pass
Middle	22.43	22.04	33.01	0.1750	0.1600	2	Pass
Highest	22.48	21.50	33.01	0.1770	0.1413	2	Pass
Channel Bandwidth: 15MHz							
Lowest	22.44	21.74	33.01	0.1754	0.1493	2	Pass
Middle	22.47	22.03	33.01	0.1766	0.1596	2	Pass
Highest	22.49	21.43	33.01	0.1774	0.1390	2	Pass
Channel Bandwidth: 20MHz							
Lowest	22.49	21.92	33.01	0.1774	0.1556	2	Pass
Middle	22.53	21.67	33.01	0.1791	0.1469	2	Pass
Highest	22.50	21.59	33.01	0.1778	0.1442	2	Pass

5.3.2 LTE Band 4

Channel	Maximum EIRP (dBm)			Maximum EIRP (W)			Result
	QPSK	16QAM	Limit (dBm)	QPSK	16QAM	Limit (W)	
Channel Bandwidth: 1.4MHz							
Lowest	22.90	21.95	30.00	0.1950	0.1567	1	Pass
Middle	22.82	21.94	30.00	0.1914	0.1563	1	Pass
Highest	22.73	21.84	30.00	0.1875	0.1528	1	Pass
Channel Bandwidth: 3MHz							
Lowest	22.82	21.56	30.00	0.1914	0.1432	1	Pass
Middle	22.72	22.17	30.00	0.1871	0.1648	1	Pass
Highest	22.72	21.62	30.00	0.1871	0.1452	1	Pass
Channel Bandwidth: 5MHz							
Lowest	23.09	21.87	30.00	0.2037	0.1538	1	Pass
Middle	23.01	21.69	30.00	0.2000	0.1476	1	Pass
Highest	23.00	22.02	30.00	0.1995	0.1592	1	Pass
Channel Bandwidth: 10MHz							
Lowest	23.06	21.82	30.00	0.2023	0.1521	1	Pass
Middle	23.05	22.39	30.00	0.2018	0.1734	1	Pass
Highest	22.97	21.89	30.00	0.1982	0.1545	1	Pass
Channel Bandwidth: 15MHz							
Lowest	23.05	22.14	30.00	0.2018	0.1637	1	Pass
Middle	22.96	22.41	30.00	0.1977	0.1742	1	Pass
Highest	22.98	21.92	30.00	0.1986	0.1556	1	Pass
Channel Bandwidth: 20MHz							
Lowest	23.09	22.44	30.00	0.2037	0.1754	1	Pass
Middle	23.04	22.15	30.00	0.2014	0.1641	1	Pass
Highest	23.02	22.04	30.00	0.2004	0.1600	1	Pass

5.3.3 LTE Band 5

Channel	Maximum EIRP (dBm)			Maximum EIRP (W)			Result
	QPSK	16QAM	Limit (dBm)	QPSK	16QAM	Limit (W)	
Channel Bandwidth: 1.4MHz							
Lowest	21.32	20.49	38.45	0.1355	0.1119	7	Pass
Middle	21.38	20.57	38.45	0.1374	0.1140	7	Pass
Highest	21.40	20.41	38.45	0.1380	0.1099	7	Pass
Channel Bandwidth: 3MHz							
Lowest	21.39	20.70	38.45	0.1377	0.1175	7	Pass
Middle	21.27	20.21	38.45	0.1340	0.1050	7	Pass
Highest	21.31	20.09	38.45	0.1352	0.1021	7	Pass
Channel Bandwidth: 5MHz							
Lowest	21.48	20.39	38.45	0.1406	0.1094	7	Pass
Middle	21.56	20.38	38.45	0.1432	0.1091	7	Pass
Highest	21.54	20.66	38.45	0.1426	0.1164	7	Pass
Channel Bandwidth: 10MHz							
Lowest	21.51	20.38	38.45	0.1416	0.1091	7	Pass
Middle	21.50	21.10	38.45	0.1413	0.1288	7	Pass
Highest	21.56	20.50	38.45	0.1432	0.1122	7	Pass

5.3.4 LTE Band 7

Channel	Maximum EIRP (dBm)			Maximum EIRP (W)			Result
	QPSK	16QAM	Limit (dBm)	QPSK	16QAM	Limit (W)	
Channel Bandwidth: 5MHz							
Lowest	23.09	21.79	33.01	0.2037	0.1510	2	Pass
Middle	23.14	22.24	33.01	0.2061	0.1675	2	Pass
Highest	23.17	21.97	33.01	0.2075	0.1574	2	Pass
Channel Bandwidth: 10MHz							
Lowest	23.08	22.55	33.01	0.2032	0.1799	2	Pass
Middle	23.12	22.06	33.01	0.2051	0.1607	2	Pass
Highest	23.12	21.98	33.01	0.2051	0.1578	2	Pass
Channel Bandwidth: 15MHz							
Lowest	23.05	22.19	33.01	0.2018	0.1656	2	Pass
Middle	23.07	22.61	33.01	0.2028	0.1824	2	Pass
Highest	23.15	22.13	33.01	0.2065	0.1633	2	Pass
Channel Bandwidth: 20MHz							
Lowest	23.06	22.20	33.01	0.2023	0.1660	2	Pass
Middle	23.07	22.18	33.01	0.2028	0.1652	2	Pass
Highest	23.20	22.53	33.01	0.2089	0.1791	2	Pass

5.3.5 LTE Band 12

Channel	Maximum EIRP (dBm)			Maximum EIRP (W)			Result
	QPSK	16QAM	Limit (dBm)	QPSK	16QAM	Limit (W)	
Channel Bandwidth: 1.4MHz							
Lowest	18.15	17.35	34.77	0.0653	0.0543	3	Pass
Middle	18.12	17.23	34.77	0.0649	0.0528	3	Pass
Highest	18.17	17.33	34.77	0.0656	0.0541	3	Pass
Channel Bandwidth: 3MHz							
Lowest	17.99	16.90	34.77	0.0630	0.0490	3	Pass
Middle	17.91	17.54	34.77	0.0618	0.0568	3	Pass
Highest	18.04	16.97	34.77	0.0637	0.0498	3	Pass
Channel Bandwidth: 5MHz							
Lowest	18.30	17.19	34.77	0.0676	0.0524	3	Pass
Middle	18.28	17.01	34.77	0.0673	0.0502	3	Pass
Highest	18.31	17.48	34.77	0.0678	0.0560	3	Pass
Channel Bandwidth: 10MHz							
Lowest	18.26	17.11	34.77	0.0670	0.0514	3	Pass
Middle	18.30	17.83	34.77	0.0676	0.0607	3	Pass
Highest	18.41	17.28	34.77	0.0693	0.0535	3	Pass

5.3.6 LTE Band 13

Channel	Maximum EIRP (dBm)			Maximum EIRP (W)			Result
	QPSK	16QAM	Limit (dBm)	QPSK	16QAM	Limit (W)	
Channel Bandwidth: 5MHz							
Lowest	19.76	18.67	34.77	0.0946	0.0736	3	Pass
Middle	19.81	18.52	34.77	0.0957	0.0711	3	Pass
Highest	19.83	18.92	34.77	0.0962	0.0780	3	Pass
Channel Bandwidth: 10MHz							
Middle	19.85	18.61	34.77	0.0966	0.0726	3	Pass

5.3.7 LTE Band 17

Channel	Maximum EIRP (dBm)			Maximum EIRP (W)			Result
	QPSK	16QAM	Limit (dBm)	QPSK	16QAM	Limit (W)	
Channel Bandwidth: 5MHz							
Lowest	17.74	16.64	34.77	0.0594	0.0461	3	Pass
Middle	17.69	16.51	34.77	0.0587	0.0448	3	Pass
Highest	17.69	16.86	34.77	0.0587	0.0485	3	Pass
Channel Bandwidth: 10MHz							
Lowest	17.77	16.56	34.77	0.0598	0.0453	3	Pass
Middle	17.70	17.25	34.77	0.0589	0.0531	3	Pass
Highest	17.69	16.70	34.77	0.0587	0.0468	3	Pass

5.3.8 LTE Band 25

Channel	Maximum EIRP (dBm)			Maximum EIRP (W)			Result
	QPSK	16QAM	Limit (dBm)	QPSK	16QAM	Limit (W)	
Channel Bandwidth: 1.4MHz							
Lowest	22.38	21.54	33.01	0.1730	0.1426	2	Pass
Middle	22.31	21.45	33.01	0.1702	0.1396	2	Pass
Highest	22.31	21.46	33.01	0.1702	0.1400	2	Pass
Channel Bandwidth: 3MHz							
Lowest	22.22	21.11	33.01	0.1667	0.1291	2	Pass
Middle	22.10	21.65	33.01	0.1622	0.1462	2	Pass
Highest	22.25	21.23	33.01	0.1679	0.1327	2	Pass
Channel Bandwidth: 5MHz							
Lowest	22.53	21.39	33.01	0.1791	0.1377	2	Pass
Middle	22.50	21.31	33.01	0.1778	0.1352	2	Pass
Highest	22.51	21.63	33.01	0.1782	0.1455	2	Pass
Channel Bandwidth: 10MHz							
Lowest	22.50	21.37	33.01	0.1778	0.1371	2	Pass
Middle	22.50	22.02	33.01	0.1778	0.1592	2	Pass
Highest	22.48	21.49	33.01	0.1770	0.1409	2	Pass
Channel Bandwidth: 15MHz							
Lowest	22.46	21.74	33.01	0.1762	0.1493	2	Pass
Middle	22.38	21.96	33.01	0.1730	0.1570	2	Pass
Highest	22.54	21.55	33.01	0.1795	0.1429	2	Pass
Channel Bandwidth: 20MHz							
Lowest	22.48	21.98	33.01	0.1770	0.1578	2	Pass
Middle	22.56	21.68	33.01	0.1803	0.1472	2	Pass
Highest	22.52	21.64	33.01	0.1786	0.1459	2	Pass

5.3.9 LTE Band 26(Part 22)

Channel	Maximum EIRP (dBm)			Maximum EIRP (W)			Result
	QPSK	16QAM	Limit (dBm)	QPSK	16QAM	Limit (W)	
Channel Bandwidth: 1.4MHz							
Lowest	19.96	19.09	38.45	0.0991	0.0811	7	Pass
Middle	19.98	19.15	38.45	0.0995	0.0822	7	Pass
Highest	20.05	19.02	38.45	0.1012	0.0798	7	Pass
Channel Bandwidth: 3MHz							
Lowest	19.81	18.67	38.45	0.0957	0.0736	7	Pass
Middle	19.85	19.43	38.45	0.0966	0.0877	7	Pass
Highest	19.91	18.89	38.45	0.0979	0.0774	7	Pass
Channel Bandwidth: 5MHz							
Lowest	20.20	18.90	38.45	0.1047	0.0776	7	Pass
Middle	20.22	19.39	38.45	0.1052	0.0869	7	Pass
Highest	20.12	18.97	38.45	0.1028	0.0789	7	Pass
Channel Bandwidth: 10MHz							
Lowest	20.12	19.65	38.45	0.1028	0.0923	7	Pass
Middle	20.12	19.13	38.45	0.1028	0.0818	7	Pass
Highest	20.21	18.98	38.45	0.1050	0.0791	7	Pass
Channel Bandwidth: 15MHz							
Lowest	20.06	19.26	38.45	0.1014	0.0843	7	Pass
Middle	20.23	19.76	38.45	0.1054	0.0946	7	Pass
Highest	20.13	19.15	38.45	0.1030	0.0822	7	Pass

5.3.10 LTE Band 26 (Part 90S)

Channel	Maximum EIRP (dBm)			Maximum EIRP (W)			Result
	QPSK	16QAM	Limit (dBm)	QPSK	16QAM	Limit (W)	
Channel Bandwidth: 1.4MHz							
Lowest	19.89	19.12	50.00	0.0975	0.0817	100	Pass
Middle	19.96	19.09	50.00	0.0991	0.0811	100	Pass
Highest	19.92	19.10	50.00	0.0982	0.0813	100	Pass
Channel Bandwidth: 3MHz							
Lowest	19.73	18.65	50.00	0.0940	0.0733	100	Pass
Middle	19.77	19.33	50.00	0.0948	0.0857	100	Pass
Highest	19.87	18.83	50.00	0.0971	0.0764	100	Pass
Channel Bandwidth: 5MHz							
Lowest	20.13	18.99	50.00	0.1030	0.0793	100	Pass
Middle	20.11	18.90	50.00	0.1026	0.0776	100	Pass
Highest	20.16	19.28	50.00	0.1038	0.0847	100	Pass
Channel Bandwidth: 10MHz							
Middle	20.11	19.63	50.00	0.1026	0.0918	100	Pass
Channel Bandwidth: 15MHz							
Highest	20.17	19.33	50.00	0.1040	0.0857	100	Pass

5.3.11 LTE Band 30

Channel	Maximum EIRP (dBm)			Maximum EIRP (W)			Result
	QPSK	16QAM	Limit (dBm)	QPSK	16QAM	Limit (W)	
Channel Bandwidth: 5MHz							
Lowest	20.19	19.08	23.98	0.1045	0.0809	0.25	Pass
Middle	20.32	18.95	23.98	0.1076	0.0785	0.25	Pass
Highest	20.37	19.34	23.98	0.1089	0.0859	0.25	Pass
Channel Bandwidth: 10MHz							
Middle	20.37	19.04	23.98	0.1089	0.0802	0.25	Pass

5.3.12 LTE Band 38

Channel	Maximum EIRP (dBm)			Maximum EIRP (W)			Result
	QPSK	16QAM	Limit (dBm)	QPSK	16QAM	Limit (W)	
Channel Bandwidth: 5MHz							
Lowest	23.38	22.27	33.01	0.2178	0.1687	2	Pass
Middle	23.47	22.34	33.01	0.2223	0.1714	2	Pass
Highest	23.48	22.53	33.01	0.2228	0.1791	2	Pass
Channel Bandwidth: 10MHz							
Lowest	23.34	22.37	33.01	0.2158	0.1726	2	Pass
Middle	23.43	22.17	33.01	0.2203	0.1648	2	Pass
Highest	23.43	22.32	33.01	0.2203	0.1706	2	Pass
Channel Bandwidth: 15MHz							
Lowest	23.43	22.37	33.01	0.2203	0.1726	2	Pass
Middle	23.43	22.21	33.01	0.2203	0.1663	2	Pass
Highest	23.41	22.57	33.01	0.2193	0.1807	2	Pass
Channel Bandwidth: 20MHz							
Lowest	23.40	22.48	33.01	0.2188	0.1770	2	Pass
Middle	23.45	22.36	33.01	0.2213	0.1722	2	Pass
Highest	23.54	22.24	33.01	0.2259	0.1675	2	Pass

5.3.13 LTE Band 40A

Channel	Maximum EIRP (dBm)			Maximum EIRP (W)			Result
	QPSK	16QAM	Limit (dBm)	QPSK	16QAM	Limit (W)	
Channel Bandwidth: 5MHz							
Lowest	19.51	18.58	23.98	0.0893	0.0721	0.25	Pass
Middle	19.57	18.80	23.98	0.0906	0.0759	0.25	Pass
Highest	19.51	18.49	23.98	0.0893	0.0706	0.25	Pass
Channel Bandwidth: 10MHz							
Middle	19.58	18.53	23.98	0.0908	0.0713	0.25	Pass

5.3.14 LTE Band 40B

Channel	Maximum EIRP (dBm)			Maximum EIRP (W)			Result
	QPSK	16QAM	Limit (dBm)	QPSK	16QAM	Limit (W)	
Channel Bandwidth: 5MHz							
Lowest	19.48	18.57	23.98	0.0887	0.0719	0.25	Pass
Middle	19.56	18.79	23.98	0.0904	0.0757	0.25	Pass
Highest	19.53	18.53	23.98	0.0897	0.0713	0.25	Pass
Channel Bandwidth: 10MHz							
Middle	19.56	18.47	23.98	0.0904	0.0703	0.25	Pass

5.3.15 LTE Band 41

Channel	Maximum EIRP (dBm)			Maximum EIRP (W)			Result
	QPSK	16QAM	Limit (dBm)	QPSK	16QAM	Limit (W)	
Channel Bandwidth: 5MHz							
Lowest	23.33	22.21	33.01	0.2153	0.1663	2	Pass
Middle	23.48	22.39	33.01	0.2228	0.1734	2	Pass
Highest	23.83	22.89	33.01	0.2415	0.1945	2	Pass
Channel Bandwidth: 10MHz							
Lowest	23.27	22.27	33.01	0.2123	0.1687	2	Pass
Middle	23.48	22.25	33.01	0.2228	0.1679	2	Pass
Highest	23.83	22.68	33.01	0.2415	0.1854	2	Pass
Channel Bandwidth: 15MHz							
Lowest	23.28	22.28	33.01	0.2128	0.1690	2	Pass
Middle	23.47	22.20	33.01	0.2223	0.1660	2	Pass
Highest	23.70	22.85	33.01	0.2344	0.1928	2	Pass
Channel Bandwidth: 20MHz							
Lowest	23.51	22.43	33.01	0.2244	0.1750	2	Pass
Middle	23.70	22.40	33.01	0.2344	0.1738	2	Pass
Highest	23.85	22.55	33.01	0.2427	0.1799	2	Pass

5.3.16 LTE Band 66

Channel	Maximum EIRP (dBm)			Maximum EIRP (W)			Result
	QPSK	16QAM	Limit (dBm)	QPSK	16QAM	Limit (W)	
Channel Bandwidth: 1.4MHz							
Lowest	22.93	21.96	30.00	0.1963	0.1570	1	Pass
Middle	22.86	21.92	30.00	0.1932	0.1556	1	Pass
Highest	22.77	21.80	30.00	0.1892	0.1514	1	Pass
Channel Bandwidth: 3MHz							
Lowest	22.88	21.61	30.00	0.1941	0.1449	1	Pass
Middle	22.79	22.18	30.00	0.1901	0.1652	1	Pass
Highest	22.73	21.66	30.00	0.1875	0.1466	1	Pass
Channel Bandwidth: 5MHz							
Lowest	23.15	21.93	30.00	0.2065	0.1560	1	Pass
Middle	23.08	21.74	30.00	0.2032	0.1493	1	Pass
Highest	23.04	22.02	30.00	0.2014	0.1592	1	Pass
Channel Bandwidth: 10MHz							
Lowest	23.14	22.51	30.00	0.2061	0.1782	1	Pass
Middle	23.05	22.00	30.00	0.2018	0.1585	1	Pass
Highest	22.98	21.72	30.00	0.1986	0.1486	1	Pass
Channel Bandwidth: 15MHz							
Lowest	23.17	22.55	30.00	0.2075	0.1799	1	Pass
Middle	23.06	22.01	30.00	0.2023	0.1589	1	Pass
Highest	22.92	22.08	30.00	0.1959	0.1614	1	Pass
Channel Bandwidth: 20MHz							
Lowest	23.20	22.48	30.00	0.2089	0.1770	1	Pass
Middle	23.09	22.18	30.00	0.2037	0.1652	1	Pass
Highest	23.03	22.01	30.00	0.2009	0.1589	1	Pass

5.3.17 LTE Band 71

Channel	Maximum EIRP (dBm)			Maximum EIRP (W)			Result
	QPSK	16QAM	Limit (dBm)	QPSK	16QAM	Limit (W)	
Channel Bandwidth: 5MHz							
Lowest	17.45	16.40	34.77	0.0556	0.0437	3	Pass
Middle	17.54	16.35	34.77	0.0568	0.0432	3	Pass
Highest	17.53	16.70	34.77	0.0566	0.0468	3	Pass
Channel Bandwidth: 10MHz							
Lowest	17.51	16.37	34.77	0.0564	0.0434	3	Pass
Middle	17.50	17.12	34.77	0.0562	0.0515	3	Pass
Highest	17.54	16.54	34.77	0.0568	0.0451	3	Pass
Channel Bandwidth: 15MHz							
Lowest	17.47	16.77	34.77	0.0558	0.0475	3	Pass
Middle	17.51	17.13	34.77	0.0564	0.0516	3	Pass
Highest	17.49	16.53	34.77	0.0561	0.0450	3	Pass
Channel Bandwidth: 20MHz							
Lowest	17.46	16.97	34.77	0.0557	0.0498	3	Pass
Middle	17.49	16.74	34.77	0.0561	0.0472	3	Pass
Highest	17.58	16.65	34.77	0.0573	0.0462	3	Pass

5.4 PEAK-TO-AVERAGE RATIO

Test Requirement:	**LTE Band 2 & LTE Band 25:** FCC 47 CFR Part 24.232(d) **LTE Band 4 & LTE Band 66:** FCC 47 CFR Part 27.50(d)(5) **LTE Band 5 & LTE Band 26:** FCC 47 CFR Part 22.913(a) **LTE Band 7 & Band 38 & Band 41:** FCC 47 CFR Part 27.50(d)(5) **LTE Band 12 & Band 17 & Band 71:** FCC 47 CFR Part 27.50(d)(5) **LTE Band 13:** FCC 47 CFR Part 27.50(d)(5)
Test Method:	KDB 971168 D01v03r01 Section 5.7
Limit:	In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB

Test Procedure:

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer.

a) Set resolution/measurement bandwidth ≥ signal's occupied bandwidth
b) Set the number of counts to a value that stabilizes the measured CCDF curve
c) Record the maximum PAPR level associated with a probability of 0.1 %

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

Test Setup:	Refer to section 4.2.2 for details.
Instruments Used:	Refer to section 3 for details
Test Mode:	Link mode
Test Results:	Pass
Test Data:	**Please refer to Appendix A**

5.5 99%&26DB BANDWIDTH

Test Requirement: FCC 47 CFR Part 2.1049(h)

Test Method: ANSI C63.26-2015 & KDB 971168 D01v03r01 Section 4

Limit: No Limit, for reporting purposes only.

Test Procedure:

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at the low, middle and high channel in each band. The 99% and -26dB bandwidths was also measured and recorded.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

Test Setup: Refer to section 4.2.2 for details.

Instruments Used: Refer to section 3 for details

Test Mode: Link mode

Test Results: Pass

Test Data: **Please refer to Appendix A**

5.6 BAND EDGE AT ANTENNA TERMINALS

Test Requirement: **LTE Band 2 & LTE Band 25:** FCC 47 CFR Part 24.238(a)
LTE Band 4 & LTE Band 66: FCC 47 CFR Part 27.53(h)(1)
LTE Band 5 & LTE Band 26: FCC 47 CFR Part 22.917(a)
LTE Band 41: FCC 47 CFR Part 27.53(m)(4)
LTE Band 12 & Band 71: FCC 47 CFR Part 27.53(g)
LTE Band 13: FCC 47 CFR Part 27.53(c)(2)
LTE Band 26: FCC 47 CFR Part 90.691
LTE Band 30 & Band 40: FCC 47 CFR Part 27.53(a)(4

Test Method: ANSI C63.26-2015 & KDB 971168 D01v03r01

Limit:

FCC 47 CFR Part 24.238(a), 27.53(h)(1), 22.917(a):
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The emission limit equal to -13 dBm.

FCC 47 CFR Part 27.53(m)(4):
For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

FCC 47 CFR Part 27.53(g):
For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

FCC 47 CFR Part 27.53(c)(2):
On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;

FCC 47 CFR Part 27.53(a)(4): For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:
(i) By a factor of not less than: 43 + 10 log (P) dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than 55 + 10 log (P) dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than 61 + 10 log (P) dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than 67 + 10 log (P) dB on all frequencies between 2328 and 2337 MHz;
(ii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2300 and 2305 MHz, 55 + 10 log (P) dB on all frequencies between 2296 and 2300 MHz, 61 + 10 log (P) dB on all frequencies between 2292 and 2296 MHz, 67 + 10 log (P) dB on all frequencies between 2288 and 2292 MHz, and 70 + 10 log (P) dB below 2288 MHz;
(iii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2360 and 2365 MHz, and not less than 70 + 10 log (P) dB above 2365 MHz.

FCC 47 CFR Part 27.53(a)(5): Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the channel blocks at 2305, 2310, 2315, 2320, 2345, 2350, 2355, and 2360 MHz, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required

measurement bandwidth (i.e., 1 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

FCC 47 CFR Part 90.691:

(a)(1) For any frequency removed from the EA licensee's frequency block by up to and including 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 116 Log10(f/6.1) decibels or 50 + 10 Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 12.5 kHz.

(a)(2) For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least 43 + 10Log10(P) decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

Test Procedure:

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer.

For each band edge measurement:

1) Set the spectrum analyzer span to include the block edge frequency.
2) Set a marker to point the corresponding band edge frequency in each test case.
3) Set display line at -13 dBm
4) Set resolution bandwidth to at least 1% of emission bandwidth.
5) Set spectrum analyzer with RMS detector.
6) Record the max trace plot into the test report

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

Test Setup:	Refer to section 4.2.2 for details.
Instruments Used:	Refer to section 3 for details
Test Mode:	Link mode
Test Results:	Pass
Test Data:	**Please refer to Appendix A**

5.7 SPURIOUS EMISSIONS AT ANTENNA TERMINALS

Test Requirement: **LTE Band 2 & LTE Band 25:** FCC 47 CFR Part 24.238(a)
LTE Band 4 & LTE Band 66: FCC 47 CFR Part 27.53(h)
LTE Band 5 & LTE Band 26: FCC 47 CFR Part 22.917(a)
LTE Band 7 & Band 41: FCC 47 CFR Part 27.53(m)(4)
LTE Band 12 & Band 17 & Band 71: FCC 47 CFR Part 27.53(g)
LTE Band 13: FCC 47 CFR Part 27.53
LTE Band 26: FCC 47 CFR Part 90.691
LTE Band 30 & Band 40: FCC 47 CFR Part 27.53(a)(4)

Test Method: ANSI C63.26-2015 & KDB 971168 D01v03r01

Limit:

FCC 47 CFR Part 24.238(a), 27.53(h)(1), 22.917(a), 27.53(g), 27.53(c)(2), 90.691:
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The emission limit equal to -13 dBm.

FCC 47 CFR Part 27.53(a)(4): For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:
(i) By a factor of not less than: 43 + 10 log (P) dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than 55 + 10 log (P) dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than 61 + 10 log (P) dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than 67 + 10 log (P) dB on all frequencies between 2328 and 2337 MHz;
(ii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2300 and 2305 MHz, 55 + 10 log (P) dB on all frequencies between 2296 and 2300 MHz, 61 + 10 log (P) dB on all frequencies between 2292 and 2296 MHz, 67 + 10 log (P) dB on all frequencies between 2288 and 2292 MHz, and 70 + 10 log (P) dB below 2288 MHz;
(iii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2360 and 2365 MHz, and not less than 70 + 10 log (P) dB above 2365 MHz.

FCC 47 CFR Part 27.53(m)(4):
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 55 + 10 log(P) dB. The emission limit equal to -25 dBm.

Test Procedure:
The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range. b. Measuring frequency range is from 30 MHz to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower. Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

Test Setup: Refer to section 4.2.2 for details.
Instruments Used: Refer to section 3 for details
Test Mode: Link mode
Test Results: Pass
Test Data: **Please refer to Appendix A**

5.8 FIELD STRENGTH OF SPURIOUS RADIATION

Test Requirement: **LTE Band 2 & LTE Band 25:** FCC 47 CFR Part 24.238(a)
LTE Band 4 & LTE Band 66: FCC 47 CFR Part 27.53(h)
LTE Band 5 & LTE Band 26: FCC 47 CFR Part 22.917(a)
LTE Band 7 & Band 41: FCC 47 CFR Part 27.53(m)(4)
LTE Band 12 & Band 17 & Band 71: FCC 47 CFR Part 27.53(g)
LTE Band 13: FCC 47 CFR Part 27.53
LTE Band 26: FCC 47 CFR Part 90.691
LTE Band 30 & Band 40: FCC 47 CFR Part 27.53(a)(4)

Test Method: ANSI C63.26-2015 & KDB 971168 D01v03r01

Receiver Setup:

Frequency	Detector	RBW	VBW	Remark
0.009 MHz-30 MHz	Peak	10 kHz	30 KHz	Peak
30 MHz-1 GHz	Quasi-peak	100 kHz	300 KHz	Peak
Above 1 GHz	Peak	1 MHz	3 MHz	Peak

Limits:

FCC 47 CFR Part 24.238(a), 27.53(h)(1), 22.917(a), 27.53(g), 27.53(c)(2), 90.691:
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The emission limit equal to -13 dBm.

FCC 47 CFR Part 27.53(a)(4): For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands:
(i) By a factor of not less than: 43 + 10 log (P) dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than 55 + 10 log (P) dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than 61 + 10 log (P) dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than 67 + 10 log (P) dB on all frequencies between 2328 and 2337 MHz;
(ii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2300 and 2305 MHz, 55 + 10 log (P) dB on all frequencies between 2296 and 2300 MHz, 61 + 10 log (P) dB on all frequencies between 2292 and 2296 MHz, 67 + 10 log (P) dB on all frequencies between 2288 and 2292 MHz, and 70 + 10 log (P) dB below 2288 MHz;
(iii) By a factor of not less than 43 + 10 log (P) dB on all frequencies between 2360 and 2365 MHz, and not less than 70 + 10 log (P) dB above 2365 MHz.

FCC 47 CFR Part 27.53(m)(4):
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 55 + 10 log(P) dB. The emission limit equal to -25 dBm.

FCC 47 CFR Part 27.53:
(c) The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log (P) dB.
(f) Emissions in the band 1559-1610 MHz shall be limited to −70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals. (-70 dBW/MHz = -40dBm/MHz).

Test Setup: Refer to section 4.2.1 for details.

Test Procedures: KDB 971168 D01v03r01 Section 7

Equipment Used: Refer to section 3 for details.

Test Result: Pass

The measurement data as follows:

5.8.1 LTE Band 2

LTE Band 2_ 20 MHz_ QPSK							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
Lowest Channel							
1	646.822	-80.09	10.92	-69.17	-13.00	-56.17	Horizontal
2	868.886	-81.18	13.69	-67.49	-13.00	-54.49	Horizontal
3	899.958	-81.46	14.32	-67.14	-13.00	-54.14	Horizontal
4	3720.000	-70.45	8.67	-61.78	-13.00	-48.78	Horizontal
5	5580.000	-73.65	12.08	-61.57	-13.00	-48.57	Horizontal
6	646.822	-79.45	10.92	-68.53	-13.00	-55.53	Vertical
7	703.731	-80.37	11.90	-68.47	-13.00	-55.47	Vertical
8	765.648	-79.54	12.40	-67.14	-13.00	-54.14	Vertical
9	3720.000	-69.35	8.67	-60.68	-13.00	-47.68	Vertical
10	5580.000	-74.84	12.08	-62.76	-13.00	-49.76	Vertical
Middle Channel							
1	771.047	-79.87	12.54	-67.33	-13.00	-54.33	Horizontal
2	893.656	-80.62	14.14	-66.48	-13.00	-53.48	Horizontal
3	952.000	-80.81	14.50	-66.31	-13.00	-53.31	Horizontal
4	3760.000	-65.65	8.78	-56.87	-13.00	-43.87	Horizontal
5	5640.000	-71.67	12.00	-59.67	-13.00	-46.67	Horizontal
6	703.731	-80.02	11.90	-68.12	-13.00	-55.12	Vertical
7	798.620	-78.84	12.97	-65.87	-13.00	-52.87	Vertical
8	952.000	-80.18	14.50	-65.68	-13.00	-52.68	Vertical
9	3760.000	-66.35	8.78	-57.57	-13.00	-44.57	Vertical
10	5640.000	-71.26	12.00	-59.26	-13.00	-46.26	Vertical
Highest Channel							
1	793.028	-80.54	13.00	-67.54	-13.00	-54.54	Horizontal
2	850.760	-80.46	13.08	-67.38	-13.00	-54.38	Horizontal
3	875.013	-80.88	14.01	-66.87	-13.00	-53.87	Horizontal
4	3800.000	-66.82	8.89	-57.93	-13.00	-44.93	Horizontal
5	5700.000	-70.18	11.93	-58.25	-13.00	-45.25	Horizontal
6	620.117	-79.40	10.34	-69.06	-13.00	-56.06	Vertical
7	868.886	-80.45	13.69	-66.76	-13.00	-53.76	Vertical
8	925.613	-80.61	14.71	-65.90	-13.00	-52.90	Vertical
9	3800.000	-67.31	8.89	-58.42	-13.00	-45.42	Vertical
10	5700.000	-70.68	11.93	-58.75	-13.00	-45.75	Vertical

5.8.2 LTE Band 4

LTE Band 4_ 20 MHz_ QPSK							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
Lowest Channel							
1	875.013	-80.31	14.01	-66.30	-13.00	-53.30	Horizontal
2	912.695	-80.70	14.39	-66.31	-13.00	-53.31	Horizontal
3	945.334	-80.65	14.42	-66.23	-13.00	-53.23	Horizontal
4	3440.000	-66.85	7.60	-59.25	-13.00	-46.25	Horizontal
5	5160.000	-67.28	10.81	-56.47	-13.00	-43.47	Horizontal
6	708.694	-79.73	11.65	-68.08	-13.00	-55.08	Vertical
7	793.028	-80.70	13.00	-67.70	-13.00	-54.70	Vertical
8	893.656	-81.02	14.14	-66.88	-13.00	-53.88	Vertical
9	3440.000	-66.52	7.60	-58.92	-13.00	-45.92	Vertical
10	5160.000	-66.58	10.81	-55.77	-13.00	-42.77	Vertical
Middle Channel							
1	821.387	-79.14	12.66	-66.48	-13.00	-53.48	Horizontal
2	887.398	-80.48	13.86	-66.62	-13.00	-53.62	Horizontal
3	925.613	-81.14	14.71	-66.43	-13.00	-53.43	Horizontal
4	3465.000	-66.29	7.74	-58.55	-13.00	-45.55	Horizontal
5	5197.500	-67.18	10.91	-56.27	-13.00	-43.27	Horizontal
6	781.961	-80.62	12.77	-67.85	-13.00	-54.85	Vertical
7	868.886	-80.75	13.69	-67.06	-13.00	-54.06	Vertical
8	965.474	-80.62	14.45	-66.17	-13.00	-53.17	Vertical
9	3465.000	-65.32	7.74	-57.58	-13.00	-44.58	Vertical
10	5197.500	-66.88	10.91	-55.97	-13.00	-42.97	Vertical
Highest Channel							
1	693.910	-80.03	11.86	-68.17	-13.00	-55.17	Horizontal
2	893.656	-80.78	14.14	-66.64	-13.00	-53.64	Horizontal
3	932.141	-81.81	14.85	-66.96	-13.00	-53.96	Horizontal
4	3490.000	-65.75	7.89	-57.86	-13.00	-44.86	Horizontal
5	5235.000	-67.80	11.06	-56.74	-13.00	-43.74	Horizontal
6	633.328	-79.93	10.49	-69.44	-13.00	-56.44	Vertical
7	698.804	-80.98	12.02	-68.96	-13.00	-55.96	Vertical
8	945.334	-80.91	14.42	-66.49	-13.00	-53.49	Vertical
9	3490.000	-65.52	7.89	-57.63	-13.00	-44.63	Vertical
10	5235.000	-68.25	11.06	-57.19	-13.00	-44.19	Vertical

5.8.3 LTE Band 5

LTE Band 5_ 10 MHz_ QPSK							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
Lowest Channel							
1	809.924	-87.98	42.08	-45.90	-13.00	-32.90	Horizontal
2	887.398	-87.69	43.24	-44.45	-13.00	-31.45	Horizontal
3	952.000	-86.97	43.79	-43.18	-13.00	-30.18	Horizontal
4	1658.000	-60.67	0.08	-60.59	-13.00	-47.59	Horizontal
5	2487.000	-60.71	4.11	-56.60	-13.00	-43.60	Horizontal
6	708.694	-88.69	40.78	-47.91	-13.00	-34.91	Vertical
7	887.398	-88.23	43.24	-44.99	-13.00	-31.99	Vertical
8	952.000	-86.41	43.79	-42.62	-13.00	-29.62	Vertical
9	1658.000	-59.78	0.08	-59.70	-13.00	-46.70	Vertical
10	2487.000	-60.22	4.11	-56.11	-13.00	-43.11	Vertical
Middle Channel							
1	708.694	-88.36	40.78	-47.58	-13.00	-34.58	Horizontal
2	912.695	-87.05	43.52	-43.53	-13.00	-30.53	Horizontal
3	952.000	-86.65	43.79	-42.86	-13.00	-29.86	Horizontal
4	1673.000	-60.18	0.15	-60.03	-13.00	-47.03	Horizontal
5	2509.500	-63.81	4.20	-59.61	-13.00	-46.61	Horizontal
6	723.793	-87.12	40.89	-46.23	-13.00	-33.23	Vertical
7	912.695	-88.00	43.52	-44.48	-13.00	-31.48	Vertical
8	952.000	-87.25	43.79	-43.46	-13.00	-30.46	Vertical
9	1673.000	-62.20	0.15	-62.05	-13.00	-49.05	Vertical
10	2509.500	-64.37	4.20	-60.17	-13.00	-47.17	Vertical
Highest Channel							
1	35.762	-80.01	10.76	-69.25	-25.00	-44.25	Horizontal
2	809.924	-79.86	12.71	-67.15	-25.00	-42.15	Horizontal
3	952.000	-80.25	14.50	-65.75	-25.00	-40.75	Horizontal
4	1688.000	-65.78	10.46	-55.32	-25.00	-30.32	Horizontal
5	2532.000	-68.11	14.20	-53.91	-25.00	-28.91	Horizontal
6	749.676	-79.46	12.53	-66.93	-25.00	-41.93	Vertical
7	868.886	-79.98	14.20	-65.78	-25.00	-40.78	Vertical
8	952.000	-80.57	15.25	-65.32	-25.00	-40.32	Vertical
9	1688.000	-65.58	10.46	-55.12	-25.00	-30.12	Vertical
10	2532.000	-68.21	14.20	-54.01	-25.00	-29.01	Vertical

5.8.4 LTE Band 7

LTE Band 7_ 20 MHz_ QPSK							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
Lowest Channel							
1	642.292	-80.01	10.76	-69.25	-25.00	-44.25	Horizontal
2	809.924	-79.86	12.71	-67.15	-25.00	-42.15	Horizontal
3	952.000	-80.25	14.50	-65.75	-25.00	-40.75	Horizontal
4	5020.000	-65.78	10.46	-55.32	-25.00	-30.32	Horizontal
5	7530.000	-68.11	14.20	-53.91	-25.00	-28.91	Horizontal
6	798.620	-79.46	12.53	-66.93	-25.00	-41.93	Vertical
7	893.656	-79.98	14.20	-65.78	-25.00	-40.78	Vertical
8	979.139	-80.57	15.25	-65.32	-25.00	-40.32	Vertical
9	5020.000	-65.58	10.46	-55.12	-25.00	-30.12	Vertical
10	7530.000	-68.21	14.20	-54.01	-25.00	-29.01	Vertical
Middle Channel							
1	887.398	-81.13	14.17	-66.96	-25.00	-41.96	Horizontal
2	952.000	-80.71	14.82	-65.89	-25.00	-40.89	Horizontal
3	992.997	-81.59	15.56	-66.03	-25.00	-41.03	Horizontal
4	5070.000	-66.52	10.59	-55.93	-25.00	-30.93	Horizontal
5	7605.000	-68.55	14.36	-54.19	-25.00	-29.19	Horizontal
6	776.485	-80.48	11.90	-68.58	-25.00	-43.58	Vertical
7	844.803	-80.97	13.42	-67.55	-25.00	-42.55	Vertical
8	972.283	-81.02	15.04	-65.98	-25.00	-40.98	Vertical
9	5070.000	-67.72	10.59	-57.13	-25.00	-32.13	Vertical
10	7605.000	-67.85	14.36	-53.49	-25.00	-28.49	Vertical
Highest Channel							
1	798.620	-79.77	12.53	-67.24	-25.00	-42.24	Horizontal
2	919.132	-80.60	14.53	-66.07	-25.00	-41.07	Horizontal
3	952.000	-81.08	14.82	-66.26	-25.00	-41.26	Horizontal
4	5120.000	-65.88	10.71	-55.17	-25.00	-30.17	Horizontal
5	7680.000	-68.03	14.51	-53.52	-25.00	-28.52	Horizontal
6	708.694	-79.78	11.44	-68.34	-25.00	-43.34	Vertical
7	798.620	-80.36	12.53	-67.83	-25.00	-42.83	Vertical
8	899.958	-81.03	14.32	-66.71	-25.00	-41.71	Vertical
9	5120.000	-66.80	10.71	-56.09	-25.00	-31.09	Vertical
10	7680.000	-68.22	14.51	-53.71	-25.00	-28.71	Vertical

5.8.5 LTE Band 12

LTE Band 12_ 10 MHz_ QPSK							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
Lowest Channel							
1	684.226	-88.46	40.19	-48.27	-13.00	-35.27	Horizontal
2	893.656	-88.60	43.26	-45.34	-13.00	-32.34	Horizontal
3	952.000	-86.88	43.79	-43.09	-13.00	-30.09	Horizontal
4	1408.000	-60.67	-0.78	-61.45	-13.00	-48.45	Horizontal
5	2112.000	-64.78	1.91	-62.87	-13.00	-49.87	Horizontal
6	821.387	-87.73	42.37	-45.36	-13.00	-32.36	Vertical
7	906.304	-87.76	43.57	-44.19	-13.00	-31.19	Vertical
8	979.139	-87.47	44.18	-43.29	-13.00	-30.29	Vertical
9	1408.000	-62.39	-0.78	-63.17	-13.00	-50.17	Vertical
10	2112.000	-65.86	1.91	-63.95	-13.00	-50.95	Vertical
Middle Channel							
1	850.760	-87.15	42.69	-44.46	-13.00	-31.46	Horizontal
2	965.474	-87.41	43.86	-43.55	-13.00	-30.55	Horizontal
3	992.997	-87.79	44.47	-43.32	-13.00	-30.32	Horizontal
4	1415.000	-60.53	-0.75	-61.28	-13.00	-48.28	Horizontal
5	2122.500	-63.58	1.97	-61.61	-13.00	-48.61	Horizontal
6	838.887	-88.18	42.44	-45.74	-13.00	-32.74	Vertical
7	958.714	-86.91	43.89	-43.02	-13.00	-30.02	Vertical
8	986.044	-87.69	44.36	-43.33	-13.00	-30.33	Vertical
9	1415.000	-59.50	-0.75	-60.25	-13.00	-47.25	Vertical
10	2122.500	-60.44	1.97	-58.47	-13.00	-45.47	Vertical
Highest Channel							
1	35.762	-82.29	31.76	-50.53	-13.00	-37.53	Horizontal
2	958.714	-87.46	43.89	-43.57	-13.00	-30.57	Horizontal
3	992.997	-86.95	44.47	-42.48	-13.00	-29.48	Horizontal
4	1422.000	-60.39	-0.73	-61.12	-13.00	-48.12	Horizontal
5	2133.000	-62.04	2.01	-60.03	-13.00	-47.03	Horizontal
6	739.214	-88.62	40.87	-47.75	-13.00	-34.75	Vertical
7	952.000	-86.74	43.79	-42.95	-13.00	-29.95	Vertical
8	992.997	-87.41	44.47	-42.94	-13.00	-29.94	Vertical
9	1422.000	-60.47	-0.73	-61.20	-13.00	-48.20	Vertical
10	2133.000	-63.14	2.01	-61.13	-13.00	-48.13	Vertical

5.8.6 LTE Band 13

LTE Band 13_ 5 MHz_ QPSK							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
Lowest Channel							
1	856.760	-87.50	42.78	-44.72	-13.00	-31.72	Horizontal
2	912.695	-87.88	43.52	-44.36	-13.00	-31.36	Horizontal
3	945.334	-87.31	43.67	-43.64	-13.00	-30.64	Horizontal
4	1559.000	-60.07	-0.31	-60.38	-13.00	-47.38	Horizontal
5	2338.500	-62.49	3.19	-59.30	-13.00	-46.30	Horizontal
6	35.762	-80.29	31.76	-48.53	-13.00	-35.53	Vertical
7	887.398	-87.85	43.24	-44.61	-13.00	-31.61	Vertical
8	952.000	-86.94	43.79	-43.15	-13.00	-30.15	Vertical
9	1559.000	-60.77	-0.31	-61.08	-13.00	-48.08	Vertical
10	2338.500	-62.31	3.19	-59.12	-13.00	-46.12	Vertical
Highest Channel							
1	893.656	-87.63	43.26	-44.37	-13.00	-31.37	Horizontal
2	932.141	-87.81	43.41	-44.40	-13.00	-31.40	Horizontal
3	992.997	-87.41	44.47	-42.94	-13.00	-29.94	Horizontal
4	1564.000	-60.76	-0.29	-61.05	-13.00	-48.05	Horizontal
5	2346.000	-63.75	3.23	-60.52	-13.00	-47.52	Horizontal
6	35.762	-81.10	31.76	-49.34	-13.00	-36.34	Vertical
7	703.731	-88.55	40.80	-47.75	-13.00	-34.75	Vertical
8	952.000	-85.80	43.79	-42.01	-13.00	-29.01	Vertical
9	1564.000	-62.03	-0.29	-62.32	-13.00	-49.32	Vertical
10	2346.000	-62.83	3.23	-59.60	-13.00	-46.60	Vertical

LTE Band 13_ 10 MHz_ QPSK							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
Middle Channel							
1	35.762	-82.09	31.76	-50.33	-13.00	-37.33	Horizontal
2	698.804	-88.96	40.79	-48.17	-13.00	-35.17	Horizontal
3	972.283	-87.97	43.98	-43.99	-13.00	-30.99	Horizontal
4	1569.000	-61.81	-0.29	-62.10	-13.00	-49.10	Horizontal
5	2353.500	-64.36	3.28	-61.08	-13.00	-48.08	Horizontal
6	36.014	-81.71	31.77	-49.94	-13.00	-36.94	Vertical
7	945.334	-87.30	43.67	-43.63	-13.00	-30.63	Vertical
8	986.044	-87.44	44.36	-43.08	-13.00	-30.08	Vertical
9	1569.000	-63.38	-0.29	-63.67	-13.00	-50.67	Vertical
10	2353.500	-64.31	3.28	-61.03	-13.00	-48.03	Vertical

5.8.7 LTE Band 17

LTE Band 17_ 10 MHz_ QPSK							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
Lowest Channel							
1	838.887	-88.08	42.44	-45.64	-13.00	-32.64	Horizontal
2	881.184	-88.25	43.15	-45.10	-13.00	-32.10	Horizontal
3	952.000	-87.36	43.79	-43.57	-13.00	-30.57	Horizontal
4	1418.000	-60.09	-0.74	-60.83	-13.00	-47.83	Horizontal
5	2127.000	-62.29	1.98	-60.31	-13.00	-47.31	Horizontal
6	723.793	-88.17	40.89	-47.28	-13.00	-34.28	Vertical
7	919.132	-87.31	43.55	-43.76	-13.00	-30.76	Vertical
8	952.000	-86.98	43.79	-43.19	-13.00	-30.19	Vertical
9	1418.000	-60.31	-0.74	-61.05	-13.00	-48.05	Vertical
10	2127.000	-63.11	1.98	-61.13	-13.00	-48.13	Vertical
Middle Channel							
1	804.252	-87.13	41.94	-45.19	-13.00	-32.19	Horizontal
2	875.013	-87.81	43.02	-44.79	-13.00	-31.79	Horizontal
3	992.997	-87.83	44.47	-43.36	-13.00	-30.36	Horizontal
4	1420.000	-59.93	-0.73	-60.66	-13.00	-47.66	Horizontal
5	2130.000	-61.80	1.99	-59.81	-13.00	-46.81	Horizontal
6	827.179	-88.11	42.32	-45.79	-13.00	-32.79	Vertical
7	965.474	-87.69	43.86	-43.83	-13.00	-30.83	Vertical
8	992.997	-88.13	44.47	-43.66	-13.00	-30.66	Vertical
9	1420.000	-60.52	-0.73	-61.25	-13.00	-48.25	Vertical
10	2130.000	-62.73	1.99	-60.74	-13.00	-47.74	Vertical
Highest Channel							
1	809.924	-87.42	42.08	-45.34	-13.00	-32.34	Horizontal
2	925.613	-87.01	43.47	-43.54	-13.00	-30.54	Horizontal
3	958.714	-87.10	43.89	-43.21	-13.00	-30.21	Horizontal
4	1422.000	-61.41	-0.73	-62.14	-13.00	-49.14	Horizontal
5	2133.000	-62.24	2.01	-60.23	-13.00	-47.23	Horizontal
6	804.252	-87.09	41.94	-45.15	-13.00	-32.15	Vertical
7	862.802	-87.23	42.85	-44.38	-13.00	-31.38	Vertical
8	925.613	-87.28	43.47	-43.81	-13.00	-30.81	Vertical
9	1422.000	-62.26	-0.73	-62.99	-13.00	-49.99	Vertical
10	2133.000	-62.04	2.01	-60.03	-13.00	-47.03	Vertical

5.8.8 LTE Band 25

LTE Band 25_ 20 MHz_ QPSK							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
Lowest Channel							
1	856.760	-81.21	13.67	-67.54	-13.00	-54.54	Horizontal
2	906.304	-81.80	14.53	-67.27	-13.00	-54.27	Horizontal
3	945.334	-81.19	14.69	-66.50	-13.00	-53.50	Horizontal
4	3720.000	-69.85	8.67	-61.18	-13.00	-48.18	Horizontal
5	5580.000	-73.74	12.08	-61.66	-13.00	-48.66	Horizontal
6	875.013	-80.85	13.93	-66.92	-13.00	-53.92	Vertical
7	906.304	-80.67	14.53	-66.14	-13.00	-53.14	Vertical
8	979.139	-81.73	15.25	-66.48	-13.00	-53.48	Vertical
9	3720.000	-69.35	8.67	-60.68	-13.00	-47.68	Vertical
10	5580.000	-74.61	12.08	-62.53	-13.00	-49.53	Vertical
Middle Channel							
1	815.635	-80.35	13.04	-67.31	-13.00	-54.31	Horizontal
2	850.760	-80.90	13.57	-67.33	-13.00	-54.33	Horizontal
3	887.398	-80.32	14.17	-66.15	-13.00	-53.15	Horizontal
4	3760.000	-66.39	8.78	-57.61	-13.00	-44.61	Horizontal
5	5640.000	-69.38	12.00	-57.38	-13.00	-44.38	Horizontal
6	906.304	-81.10	14.53	-66.57	-13.00	-53.57	Vertical
7	952.000	-81.16	14.82	-66.34	-13.00	-53.34	Vertical
8	986.044	-80.83	15.44	-65.39	-13.00	-52.39	Vertical
9	3760.000	-65.92	8.78	-57.14	-13.00	-44.14	Vertical
10	5640.000	-71.16	12.00	-59.16	-13.00	-46.16	Vertical
Highest Channel							
1	646.822	-80.45	9.78	-70.67	-13.00	-57.67	Horizontal
2	833.013	-80.73	13.24	-67.49	-13.00	-54.49	Horizontal
3	945.334	-81.03	14.69	-66.34	-13.00	-53.34	Horizontal
4	3810.000	-65.49	8.92	-56.57	-13.00	-43.57	Horizontal
5	5715.000	-71.61	11.91	-59.70	-13.00	-46.70	Horizontal
6	723.793	-80.32	11.58	-68.74	-13.00	-55.74	Vertical
7	821.387	-80.54	13.20	-67.34	-13.00	-54.34	Vertical
8	925.613	-80.59	14.46	-66.13	-13.00	-53.13	Vertical
9	3810.000	-66.00	8.92	-57.08	-13.00	-44.08	Vertical
10	5715.000	-72.26	11.91	-60.35	-13.00	-47.35	Vertical