1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B41_5MHz_EIRP

Band: 41 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2498.5	1	0	22.81	0.95	23.76	<=33.01	Pass
			13	22.90	0.95	23.85	<=33.01	Pass
			24	22.91	0.95	23.86	<=33.01	Pass
		12	0	21.89	0.95	22.84	<=33.01	Pass
			6	21.98	0.95	22.93	<=33.01	Pass
			13	21.95	0.95	22.90	<=33.01	Pass
		25	0	21.90	0.95	22.85	<=33.01	Pass
	2593	1	0	22.87	0.95	23.82	<=33.01	Pass
			13	22.73	0.95	23.68	<=33.01	Pass
			24	22.79	0.95	23.74	<=33.01	Pass
		12	0	21.84	0.95	22.79	<=33.01	Pass
			6	21.88	0.95	22.83	<=33.01	Pass
			13	21.79	0.95	22.74	<=33.01	Pass
		25	0	21.87	0.95	22.82	<=33.01	Pass
	2687.5	1	0	23.42	0.95	24.37	<=33.01	Pass
			13	23.26	0.95	24.21	<=33.01	Pass
			24	23.23	0.95	24.18	<=33.01	Pass
		12	0	22.29	0.95	23.24	<=33.01	Pass
			6	22.32	0.95	23.27	<=33.01	Pass
			13	22.37	0.95	23.32	<=33.01	Pass
		25	0	22.30	0.95	23.25	<=33.01	Pass
16QAM	2498.5	1	0	22.27	0.95	23.22	<=33.01	Pass
			13	22.33	0.95	23.28	<=33.01	Pass
			24	22.44	0.95	23.39	<=33.01	Pass
		12	0	20.74	0.95	21.69	<=33.01	Pass
			6	20.85	0.95	21.80	<=33.01	Pass
			13	20.84	0.95	21.79	<=33.01	Pass
		25	0	20.92	0.95	21.87	<=33.01	Pass
	2593	1	0	23.19	0.95	24.14	<=33.01	Pass
			13	22.84	0.95	23.79	<=33.01	Pass
			24	22.95	0.95	23.90	<=33.01	Pass
		12	0	20.84	0.95	21.79	<=33.01	Pass
			6	20.59	0.95	21.54	<=33.01	Pass
			13	20.73	0.95	21.68	<=33.01	Pass
		25	0	20.71	0.95	21.66	<=33.01	Pass
	2687.5	1	0	22.85	0.95	23.80	<=33.01	Pass
			13	22.75	0.95	23.70	<=33.01	Pass
			24	22.79	0.95	23.74	<=33.01	Pass
		12	0	21.25	0.95	22.20	<=33.01	Pass
			6	21.18	0.95	22.13	<=33.01	Pass
			13	21.36	0.95	22.31	<=33.01	Pass
		25	0	21.35	0.95	22.30	<=33.01	Pass
64QAM	2498.5	1	0	21.38	0.95	22.33	<=33.01	Pass
			13	21.36	0.95	22.31	<=33.01	Pass
			24	21.60	0.95	22.55	<=33.01	Pass
		12	0	20.30	0.95	21.25	<=33.01	Pass
			6	20.30	0.95	21.25	<=33.01	Pass
			13	20.28	0.95	21.23	<=33.01	Pass
		25	0	20.45	0.95	21.40	<=33.01	Pass

	2593	1	0	21.80	0.95	22.75	<=33.01	Pass
			13	21.32	0.95	22.27	<=33.01	Pass
			24	21.62	0.95	22.57	<=33.01	Pass
		12	0	20.16	0.95	21.11	<=33.01	Pass
			6	20.32	0.95	21.27	<=33.01	Pass
			13	20.23	0.95	21.18	<=33.01	Pass
		25	0	20.49	0.95	21.44	<=33.01	Pass
	2687.5	1	0	21.23	0.95	22.18	<=33.01	Pass
			13	21.04	0.95	21.99	<=33.01	Pass
			24	20.61	0.95	21.56	<=33.01	Pass
		12	0	20.63	0.95	21.58	<=33.01	Pass
			6	20.65	0.95	21.60	<=33.01	Pass
			13	20.82	0.95	21.77	<=33.01	Pass
		25	0	20.82	0.95	21.77	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B41_10MHz_EIRP

Band: 41 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2501	1	0	22.95	0.95	23.90	<=33.01	Pass
			25	22.91	0.95	23.86	<=33.01	Pass
			49	22.80	0.95	23.75	<=33.01	Pass
		25	0	21.92	0.95	22.87	<=33.01	Pass
			13	21.82	0.95	22.77	<=33.01	Pass
			25	21.81	0.95	22.76	<=33.01	Pass
		50	0	21.92	0.95	22.87	<=33.01	Pass
	2593	1	0	22.91	0.95	23.86	<=33.01	Pass
			25	22.80	0.95	23.75	<=33.01	Pass
			49	22.89	0.95	23.84	<=33.01	Pass
		25	0	21.75	0.95	22.70	<=33.01	Pass
			13	21.74	0.95	22.69	<=33.01	Pass
			25	21.79	0.95	22.74	<=33.01	Pass
		50	0	21.80	0.95	22.75	<=33.01	Pass
	2685	1	0	23.26	0.95	24.21	<=33.01	Pass
			25	23.31	0.95	24.26	<=33.01	Pass
			49	23.21	0.95	24.16	<=33.01	Pass
		25	0	22.35	0.95	23.30	<=33.01	Pass
			13	22.43	0.95	23.38	<=33.01	Pass
			25	22.41	0.95	23.36	<=33.01	Pass
		50	0	22.33	0.95	23.28	<=33.01	Pass
16QAM	2501	1	0	22.49	0.95	23.44	<=33.01	Pass
			25	22.05	0.95	23.00	<=33.01	Pass
			49	22.33	0.95	23.28	<=33.01	Pass
		25	0	20.89	0.95	21.84	<=33.01	Pass
			13	20.78	0.95	21.73	<=33.01	Pass
			25	20.82	0.95	21.77	<=33.01	Pass
		50	0	20.85	0.95	21.80	<=33.01	Pass
	2593	1	0	23.09	0.95	24.04	<=33.01	Pass
			25	23.11	0.95	24.06	<=33.01	Pass
			49	23.05	0.95	24.00	<=33.01	Pass
		25	0	20.86	0.95	21.81	<=33.01	Pass
			13	20.73	0.95	21.68	<=33.01	Pass
			25	20.80	0.95	21.75	<=33.01	Pass
		50	0	20.83	0.95	21.78	<=33.01	Pass
	2685	1	0	23.27	0.95	24.22	<=33.01	Pass

			25	22.71	0.95	23.66	<=33.01	Pass
			49	22.82	0.95	23.77	<=33.01	Pass
		25	0	21.52	0.95	22.47	<=33.01	Pass
			13	21.61	0.95	22.56	<=33.01	Pass
			25	21.61	0.95	22.56	<=33.01	Pass
		50	0	21.12	0.95	22.07	<=33.01	Pass
64QAM	2501	1	0	21.14	0.95	22.09	<=33.01	Pass
			25	21.49	0.95	22.44	<=33.01	Pass
			49	20.73	0.95	21.68	<=33.01	Pass
		25	0	20.40	0.95	21.35	<=33.01	Pass
			13	20.31	0.95	21.26	<=33.01	Pass
			25	20.31	0.95	21.26	<=33.01	Pass
		50	0	20.41	0.95	21.36	<=33.01	Pass
	2593	1	0	21.67	0.95	22.62	<=33.01	Pass
			25	21.69	0.95	22.64	<=33.01	Pass
			49	21.81	0.95	22.76	<=33.01	Pass
		25	0	20.18	0.95	21.13	<=33.01	Pass
			13	20.24	0.95	21.19	<=33.01	Pass
			25	20.22	0.95	21.17	<=33.01	Pass
		50	0	20.22	0.95	21.17	<=33.01	Pass
	2685	1	0	21.93	0.95	22.88	<=33.01	Pass
			25	21.80	0.95	22.75	<=33.01	Pass
			49	21.91	0.95	22.86	<=33.01	Pass
		25	0	21.12	0.95	22.07	<=33.01	Pass
			13	21.08	0.95	22.03	<=33.01	Pass
			25	20.82	0.95	21.77	<=33.01	Pass
		50	0	21.05	0.95	22.00	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B41_15MHz_EIRP

Band: 41 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2503.5	1	0	22.85	0.95	23.80	<=33.01	Pass
			38	22.86	0.95	23.81	<=33.01	Pass
			74	22.76	0.95	23.71	<=33.01	Pass
		36	0	21.79	0.95	22.74	<=33.01	Pass
			18	21.82	0.95	22.77	<=33.01	Pass
			39	21.79	0.95	22.74	<=33.01	Pass
		75	0	21.77	0.95	22.72	<=33.01	Pass
	2593	1	0	22.92	0.95	23.87	<=33.01	Pass
			38	22.73	0.95	23.68	<=33.01	Pass
			74	22.91	0.95	23.86	<=33.01	Pass
		36	0	21.67	0.95	22.62	<=33.01	Pass
			18	21.80	0.95	22.75	<=33.01	Pass
			39	21.76	0.95	22.71	<=33.01	Pass
		75	0	21.78	0.95	22.73	<=33.01	Pass
	2682.5	1	0	23.25	0.95	24.20	<=33.01	Pass
			38	23.36	0.95	24.31	<=33.01	Pass
			74	23.37	0.95	24.32	<=33.01	Pass
		36	0	22.37	0.95	23.32	<=33.01	Pass
			18	22.25	0.95	23.20	<=33.01	Pass
			39	22.29	0.95	23.24	<=33.01	Pass
		75	0	22.38	0.95	23.33	<=33.01	Pass
16QAM	2503.5	1	0	22.23	0.95	23.18	<=33.01	Pass
			38	22.34	0.95	23.29	<=33.01	Pass

			74	22.33	0.95	23.28	<=33.01	Pass
		36	0	20.67	0.95	21.62	<=33.01	Pass
			18	20.70	0.95	21.65	<=33.01	Pass
			39	20.69	0.95	21.64	<=33.01	Pass
		75	0	20.78	0.95	21.73	<=33.01	Pass
	2593	1	0	23.03	0.95	23.98	<=33.01	Pass
			38	23.00	0.95	23.95	<=33.01	Pass
			74	23.03	0.95	23.98	<=33.01	Pass
		36	0	20.78	0.95	21.73	<=33.01	Pass
			18	20.62	0.95	21.57	<=33.01	Pass
			39	20.74	0.95	21.69	<=33.01	Pass
		75	0	20.64	0.95	21.59	<=33.01	Pass
	2682.5	1	0	22.57	0.95	23.52	<=33.01	Pass
			38	22.67	0.95	23.62	<=33.01	Pass
			74	22.93	0.95	23.88	<=33.01	Pass
		36	0	21.39	0.95	22.34	<=33.01	Pass
			18	21.39	0.95	22.34	<=33.01	Pass
			39	21.24	0.95	22.19	<=33.01	Pass
		75	0	21.33	0.95	22.28	<=33.01	Pass
64QAM	2503.5	1	0	21.01	0.95	21.96	<=33.01	Pass
			38	20.96	0.95	21.91	<=33.01	Pass
			74	20.93	0.95	21.88	<=33.01	Pass
		36	0	20.44	0.95	21.39	<=33.01	Pass
			18	20.37	0.95	21.32	<=33.01	Pass
			39	20.26	0.95	21.21	<=33.01	Pass
		75	0	20.27	0.95	21.22	<=33.01	Pass
	2593	1	0	21.74	0.95	22.69	<=33.01	Pass
			38	21.19	0.95	22.14	<=33.01	Pass
			74	21.20	0.95	22.15	<=33.01	Pass
		36	0	20.25	0.95	21.20	<=33.01	Pass
			18	20.16	0.95	21.11	<=33.01	Pass
			39	20.15	0.95	21.10	<=33.01	Pass
		75	0	20.28	0.95	21.23	<=33.01	Pass
	2682.5	1	0	21.86	0.95	22.81	<=33.01	Pass
			38	22.13	0.95	23.08	<=33.01	Pass
			74	21.99	0.95	22.94	<=33.01	Pass
		36	0	20.89	0.95	21.84	<=33.01	Pass
			18	20.91	0.95	21.86	<=33.01	Pass
			39	20.86	0.95	21.81	<=33.01	Pass
		75	0	20.85	0.95	21.80	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.4 B41_20MHz_EIRP

Band: 41 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2506	1	0	22.90	0.95	23.85	<=33.01	Pass
			50	22.81	0.95	23.76	<=33.01	Pass
			99	22.63	0.95	23.58	<=33.01	Pass
		50	0	21.75	0.95	22.70	<=33.01	Pass
			25	21.76	0.95	22.71	<=33.01	Pass
			50	21.77	0.95	22.72	<=33.01	Pass
		100	0	21.86	0.95	22.81	<=33.01	Pass
	2593	1	0	22.64	0.95	23.59	<=33.01	Pass
			50	22.71	0.95	23.66	<=33.01	Pass
			99	22.77	0.95	23.72	<=33.01	Pass

		50	0	21.85	0.95	22.80	<=33.01	Pass
			25	21.74	0.95	22.69	<=33.01	Pass
			50	21.82	0.95	22.77	<=33.01	Pass
		100	0	21.67	0.95	22.62	<=33.01	Pass
	2680	1	0	23.54	0.95	24.49	<=33.01	Pass
			50	23.56	0.95	24.51	<=33.01	Pass
			99	23.37	0.95	24.32	<=33.01	Pass
		50	0	22.19	0.95	23.14	<=33.01	Pass
			25	22.32	0.95	23.27	<=33.01	Pass
			50	22.32	0.95	23.27	<=33.01	Pass
		100	0	22.33	0.95	23.28	<=33.01	Pass
16QAM	2506	1	0	23.06	0.95	24.01	<=33.01	Pass
			50	23.19	0.95	24.14	<=33.01	Pass
			99	22.96	0.95	23.91	<=33.01	Pass
		50	0	20.90	0.95	21.85	<=33.01	Pass
			25	20.93	0.95	21.88	<=33.01	Pass
			50	20.91	0.95	21.86	<=33.01	Pass
		100	0	20.87	0.95	21.82	<=33.01	Pass
	2593	1	0	22.17	0.95	23.12	<=33.01	Pass
			50	22.43	0.95	23.38	<=33.01	Pass
			99	22.19	0.95	23.14	<=33.01	Pass
		50	0	20.77	0.95	21.72	<=33.01	Pass
			25	20.66	0.95	21.61	<=33.01	Pass
			50	20.88	0.95	21.83	<=33.01	Pass
		100	0	20.71	0.95	21.66	<=33.01	Pass
	2680	1	0	22.87	0.95	23.82	<=33.01	Pass
			50	23.41	0.95	24.36	<=33.01	Pass
			99	23.36	0.95	24.31	<=33.01	Pass
		50	0	21.16	0.95	22.11	<=33.01	Pass
			25	21.22	0.95	22.17	<=33.01	Pass
			50	21.24	0.95	22.19	<=33.01	Pass
		100	0	21.31	0.95	22.26	<=33.01	Pass
64QAM	2506	1	0	21.84	0.95	22.79	<=33.01	Pass
			50	21.78	0.95	22.73	<=33.01	Pass
			99	21.44	0.95	22.39	<=33.01	Pass
		50	0	20.47	0.95	21.42	<=33.01	Pass
			25	20.35	0.95	21.30	<=33.01	Pass
			50	20.30	0.95	21.25	<=33.01	Pass
		100	0	20.34	0.95	21.29	<=33.01	Pass
	2593	1	0	21.71	0.95	22.66	<=33.01	Pass
			50	21.35	0.95	22.30	<=33.01	Pass
			99	21.36	0.95	22.31	<=33.01	Pass
		50	0	20.31	0.95	21.26	<=33.01	Pass
			25	20.33	0.95	21.28	<=33.01	Pass
			50	20.31	0.95	21.26	<=33.01	Pass
		100	0	20.35	0.95	21.30	<=33.01	Pass
	2680	1	0	22.29	0.95	23.24	<=33.01	Pass
			50	22.36	0.95	23.31	<=33.01	Pass
			99	22.23	0.95	23.18	<=33.01	Pass
		50	0	20.87	0.95	21.82	<=33.01	Pass
			25	20.89	0.95	21.84	<=33.01	Pass
			50	20.94	0.95	21.89	<=33.01	Pass
		100	0	20.74	0.95	21.69	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Field Strength of Spurious Radiation

Test on the worst case

LTE Band 41-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
4994	-53.46	-25	-28.46	-59.02	4.57	10.13	Horizontal	Pass
7491	-49.29	-25	-24.29	-56.08	4.94	11.73	Horizontal	Pass
9988	-49.37	-25	-24.37	-56.95	5.46	13.04	Horizontal	Pass
4994	-54.09	-25	-29.09	-59.65	4.57	10.13	Vertical	Pass
7491	-52.73	-25	-27.73	-59.52	4.94	11.73	Vertical	Pass
9988	-48.31	-25	-23.31	-55.89	5.46	13.04	Vertical	Pass

LTE Band 41-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
5168	-44.13	-25	-19.13	-49.75	4.62	10.24	Horizontal	Pass
7752	-48.4	-25	-23.4	-55.48	4.96	12.04	Horizontal	Pass
10336	-49.11	-25	-24.11	-56.69	5.51	13.09	Horizontal	Pass
5168	-43.89	-25	-18.89	-49.51	4.62	10.24	Vertical	Pass
7752	-51.74	-25	-26.74	-58.82	4.96	12.04	Vertical	Pass
10336	-47.02	-25	-22.02	-54.6	5.51	13.09	Vertical	Pass

LTE Band 41-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
5342	-44.6	-25	-19.6	-50.27	4.68	10.35	Horizontal	Pass
8013	-47.76	-25	-22.76	-55.13	4.98	12.35	Horizontal	Pass
10684	-47.84	-25	-22.84	-55.39	5.63	13.18	Horizontal	Pass
5342	-37.59	-25	-12.59	-43.26	4.68	10.35	Vertical	Pass
8013	-46.92	-25	-21.92	-54.29	4.98	12.35	Vertical	Pass
10684	-50.27	-25	-25.27	-57.82	5.63	13.18	Vertical	Pass