

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B25_1.4MHz_EIRP

Band: 25 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1850.7	1	0	23.59	3.25	26.84	<=33.01	Pass
			2	23.65	3.25	26.90	<=33.01	Pass
			5	23.53	3.25	26.78	<=33.01	Pass
		3	0	23.69	3.25	26.94	<=33.01	Pass
			2	23.70	3.25	26.95	<=33.01	Pass
			3	23.71	3.25	26.96	<=33.01	Pass
		6	0	22.50	3.25	25.75	<=33.01	Pass
			0	23.46	3.25	26.71	<=33.01	Pass
			2	23.55	3.25	26.80	<=33.01	Pass
	1882.5	1	5	23.50	3.25	26.75	<=33.01	Pass
			0	23.63	3.25	26.88	<=33.01	Pass
			2	23.71	3.25	26.96	<=33.01	Pass
		3	3	23.67	3.25	26.92	<=33.01	Pass
			0	22.46	3.25	25.71	<=33.01	Pass
			0	23.68	3.25	26.93	<=33.01	Pass
		6	2	23.81	3.25	27.06	<=33.01	Pass
			5	23.90	3.25	27.15	<=33.01	Pass
			0	23.76	3.25	27.01	<=33.01	Pass
	1914.3	1	2	23.83	3.25	27.08	<=33.01	Pass
			3	23.76	3.25	27.01	<=33.01	Pass
			0	22.69	3.25	25.94	<=33.01	Pass
16QAM	1850.7	1	0	22.68	3.25	25.93	<=33.01	Pass
			2	22.75	3.25	26.00	<=33.01	Pass
			5	22.73	3.25	25.98	<=33.01	Pass
		3	0	22.92	3.25	26.17	<=33.01	Pass
			2	22.99	3.25	26.24	<=33.01	Pass
			3	22.88	3.25	26.13	<=33.01	Pass
		6	0	21.58	3.25	24.83	<=33.01	Pass
			0	22.67	3.25	25.92	<=33.01	Pass
			2	22.78	3.25	26.03	<=33.01	Pass
	1882.5	1	5	22.80	3.25	26.05	<=33.01	Pass
			0	22.76	3.25	26.01	<=33.01	Pass
			2	22.80	3.25	26.05	<=33.01	Pass
		3	3	22.80	3.25	26.05	<=33.01	Pass
			0	21.69	3.25	24.94	<=33.01	Pass
			0	22.84	3.25	26.09	<=33.01	Pass
		6	2	22.97	3.25	26.22	<=33.01	Pass
			5	22.86	3.25	26.11	<=33.01	Pass
			0	22.77	3.25	26.02	<=33.01	Pass
	1914.3	1	2	22.83	3.25	26.08	<=33.01	Pass
			3	22.77	3.25	26.02	<=33.01	Pass
			0	21.73	3.25	24.98	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B25_3MHz_EIRP

Band: 25 / Bandwidth: 3MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1851.5	1	0	23.66	3.25	26.91	<=33.01	Pass	
			7	23.75	3.25	27.00	<=33.01	Pass	
			14	23.53	3.25	26.78	<=33.01	Pass	
		8	0	22.71	3.25	25.96	<=33.01	Pass	
			4	22.70	3.25	25.95	<=33.01	Pass	
			7	22.65	3.25	25.90	<=33.01	Pass	
		15	0	22.70	3.25	25.95	<=33.01	Pass	
		1882.5	1	0	23.60	3.25	26.85	<=33.01	Pass
				7	23.74	3.25	26.99	<=33.01	Pass
	14			23.63	3.25	26.88	<=33.01	Pass	
	8		0	22.65	3.25	25.90	<=33.01	Pass	
			4	22.68	3.25	25.93	<=33.01	Pass	
			7	22.66	3.25	25.91	<=33.01	Pass	
	15	0	22.68	3.25	25.93	<=33.01	Pass		
	1913.5	1	0	23.75	3.25	27.00	<=33.01	Pass	
			7	23.91	3.25	27.16	<=33.01	Pass	
			14	23.79	3.25	27.04	<=33.01	Pass	
		8	0	22.90	3.25	26.15	<=33.01	Pass	
			4	22.92	3.25	26.17	<=33.01	Pass	
			7	22.93	3.25	26.18	<=33.01	Pass	
		15	0	22.90	3.25	26.15	<=33.01	Pass	
16QAM		1851.5	1	0	23.36	3.25	26.61	<=33.01	Pass
				7	23.42	3.25	26.67	<=33.01	Pass
	14			23.25	3.25	26.50	<=33.01	Pass	
	8		0	21.97	3.25	25.22	<=33.01	Pass	
			4	21.96	3.25	25.21	<=33.01	Pass	
			7	21.68	3.25	24.93	<=33.01	Pass	
	15	0	21.78	3.25	25.03	<=33.01	Pass		
	1882.5	1	0	23.27	3.25	26.52	<=33.01	Pass	
			7	23.43	3.25	26.68	<=33.01	Pass	
			14	23.33	3.25	26.58	<=33.01	Pass	
		8	0	21.90	3.25	25.15	<=33.01	Pass	
			4	21.94	3.25	25.19	<=33.01	Pass	
			7	21.91	3.25	25.16	<=33.01	Pass	
	15	0	21.85	3.25	25.10	<=33.01	Pass		
	1913.5	1	0	22.78	3.25	26.03	<=33.01	Pass	
			7	22.82	3.25	26.07	<=33.01	Pass	
			14	22.93	3.25	26.18	<=33.01	Pass	
		8	0	22.91	3.25	26.16	<=33.01	Pass	
4			22.90	3.25	26.15	<=33.01	Pass		
7			22.89	3.25	26.14	<=33.01	Pass		
15	0	22.89	3.25	26.14	<=33.01	Pass			
Note1: EIRP=Conducted Power+Antenna Gain									

1.1.3 B25_5MHz_EIRP

Band: 25 / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1852.5	1	0	23.68	3.25	26.93	<=33.01	Pass
			13	23.65	3.25	26.90	<=33.01	Pass
			24	23.47	3.25	26.72	<=33.01	Pass
		12	0	22.74	3.25	25.99	<=33.01	Pass
			6	22.70	3.25	25.95	<=33.01	Pass
			13	22.59	3.25	25.84	<=33.01	Pass

		25	0	22.64	3.25	25.89	<=33.01	Pass
	1882.5	1	0	23.71	3.25	26.96	<=33.01	Pass
			13	23.82	3.25	27.07	<=33.01	Pass
			24	23.83	3.25	27.08	<=33.01	Pass
			0	22.76	3.25	26.01	<=33.01	Pass
		12	6	22.82	3.25	26.07	<=33.01	Pass
			13	22.82	3.25	26.07	<=33.01	Pass
			25	0	22.81	3.25	26.06	<=33.01
	1912.5	1	0	23.79	3.25	27.04	<=33.01	Pass
			13	23.92	3.25	27.17	<=33.01	Pass
			24	23.86	3.25	27.11	<=33.01	Pass
		12	0	22.88	3.25	26.13	<=33.01	Pass
			6	22.91	3.25	26.16	<=33.01	Pass
			13	22.87	3.25	26.12	<=33.01	Pass
		25	0	22.91	3.25	26.16	<=33.01	Pass
	16QAM	1852.5	1	0	22.62	3.25	25.87	<=33.01
13				22.59	3.25	25.84	<=33.01	Pass
24				22.44	3.25	25.69	<=33.01	Pass
12			0	21.83	3.25	25.08	<=33.01	Pass
			6	21.80	3.25	25.05	<=33.01	Pass
			13	21.69	3.25	24.94	<=33.01	Pass
25			0	21.78	3.25	25.03	<=33.01	Pass
1882.5		1	0	22.86	3.25	26.11	<=33.01	Pass
			13	22.99	3.25	26.24	<=33.01	Pass
			24	22.98	3.25	26.23	<=33.01	Pass
		12	0	21.84	3.25	25.09	<=33.01	Pass
			6	21.89	3.25	25.14	<=33.01	Pass
			13	21.90	3.25	25.15	<=33.01	Pass
		25	0	21.89	3.25	25.14	<=33.01	Pass
1912.5		1	0	23.07	3.25	26.32	<=33.01	Pass
			13	23.20	3.25	26.45	<=33.01	Pass
			24	23.05	3.25	26.30	<=33.01	Pass
		12	0	21.98	3.25	25.23	<=33.01	Pass
			6	22.01	3.25	25.26	<=33.01	Pass
			13	21.99	3.25	25.24	<=33.01	Pass
		25	0	21.93	3.25	25.18	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.4 B25_10MHz_EIRP

Band: 25 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1855	1	0	23.62	3.25	26.87	<=33.01	Pass
			25	23.40	3.25	26.65	<=33.01	Pass
			49	23.25	3.25	26.50	<=33.01	Pass
		25	0	22.64	3.25	25.89	<=33.01	Pass
			13	22.59	3.25	25.84	<=33.01	Pass
			25	22.43	3.25	25.68	<=33.01	Pass
		50	0	22.59	3.25	25.84	<=33.01	Pass
	1882.5	1	0	23.65	3.25	26.90	<=33.01	Pass
			25	23.69	3.25	26.94	<=33.01	Pass
			49	23.84	3.25	27.09	<=33.01	Pass
		25	0	22.75	3.25	26.00	<=33.01	Pass
			13	22.81	3.25	26.06	<=33.01	Pass
			25	22.86	3.25	26.11	<=33.01	Pass
		50	0	22.80	3.25	26.05	<=33.01	Pass

	1910	1	0	23.79	3.25	27.04	<=33.01	Pass		
			25	23.75	3.25	27.00	<=33.01	Pass		
			49	23.81	3.25	27.06	<=33.01	Pass		
		25	0	22.85	3.25	26.10	<=33.01	Pass		
			13	22.85	3.25	26.10	<=33.01	Pass		
			25	22.83	3.25	26.08	<=33.01	Pass		
		50	0	22.84	3.25	26.09	<=33.01	Pass		
		16QAM	1855	1	0	23.31	3.25	26.56	<=33.01	Pass
					25	23.10	3.25	26.35	<=33.01	Pass
49	22.91				3.25	26.16	<=33.01	Pass		
25	0			21.80	3.25	25.05	<=33.01	Pass		
	13			21.71	3.25	24.96	<=33.01	Pass		
	25			21.62	3.25	24.87	<=33.01	Pass		
50	0			21.64	3.25	24.89	<=33.01	Pass		
1882.5	1			0	22.72	3.25	25.97	<=33.01	Pass	
				25	22.78	3.25	26.03	<=33.01	Pass	
			49	22.89	3.25	26.14	<=33.01	Pass		
	25		0	21.91	3.25	25.16	<=33.01	Pass		
			13	21.99	3.25	25.24	<=33.01	Pass		
			25	22.02	3.25	25.27	<=33.01	Pass		
	50		0	21.90	3.25	25.15	<=33.01	Pass		
	1910		1	0	23.01	3.25	26.26	<=33.01	Pass	
				25	22.94	3.25	26.19	<=33.01	Pass	
49				22.96	3.25	26.21	<=33.01	Pass		
25			0	21.97	3.25	25.22	<=33.01	Pass		
			13	22.04	3.25	25.29	<=33.01	Pass		
			25	22.00	3.25	25.25	<=33.01	Pass		
50			0	21.96	3.25	25.21	<=33.01	Pass		
Note1: EIRP=Conducted Power+Antenna Gain										

1.1.5 B25_15MHz_EIRP

Band: 25 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1857.5	1	0	23.62	3.25	26.87	<=33.01	Pass
			38	23.24	3.25	26.49	<=33.01	Pass
			74	23.24	3.25	26.49	<=33.01	Pass
		36	0	22.53	3.25	25.78	<=33.01	Pass
			18	22.43	3.25	25.68	<=33.01	Pass
			39	22.33	3.25	25.58	<=33.01	Pass
		75	0	22.47	3.25	25.72	<=33.01	Pass
	1882.5	1	0	23.63	3.25	26.88	<=33.01	Pass
			38	23.71	3.25	26.96	<=33.01	Pass
			74	23.85	3.25	27.10	<=33.01	Pass
		36	0	22.74	3.25	25.99	<=33.01	Pass
			18	22.78	3.25	26.03	<=33.01	Pass
			39	22.83	3.25	26.08	<=33.01	Pass
		75	0	22.79	3.25	26.04	<=33.01	Pass
	1907.5	1	0	23.96	3.25	27.21	<=33.01	Pass
			38	23.77	3.25	27.02	<=33.01	Pass
			74	23.81	3.25	27.06	<=33.01	Pass
		36	0	22.98	3.25	26.23	<=33.01	Pass
			18	22.95	3.25	26.20	<=33.01	Pass
			39	22.94	3.25	26.19	<=33.01	Pass
		75	0	22.97	3.25	26.22	<=33.01	Pass
16QAM	1857.5	1	0	23.32	3.25	26.57	<=33.01	Pass

			38	22.97	3.25	26.22	<=33.01	Pass
			74	22.90	3.25	26.15	<=33.01	Pass
		36	0	21.61	3.25	24.86	<=33.01	Pass
			18	21.48	3.25	24.73	<=33.01	Pass
			39	21.39	3.25	24.64	<=33.01	Pass
		75	0	21.50	3.25	24.75	<=33.01	Pass
	1882.5	1	0	23.11	3.25	26.36	<=33.01	Pass
			38	23.21	3.25	26.46	<=33.01	Pass
			74	23.40	3.25	26.65	<=33.01	Pass
		36	0	21.79	3.25	25.04	<=33.01	Pass
			18	21.83	3.25	25.08	<=33.01	Pass
			39	21.90	3.25	25.15	<=33.01	Pass
	75	0	21.84	3.25	25.09	<=33.01	Pass	
	1907.5	1	0	23.20	3.25	26.45	<=33.01	Pass
			38	23.00	3.25	26.25	<=33.01	Pass
			74	22.98	3.25	26.23	<=33.01	Pass
		36	0	21.97	3.25	25.22	<=33.01	Pass
			18	21.93	3.25	25.18	<=33.01	Pass
			39	21.91	3.25	25.16	<=33.01	Pass
	75	0	21.98	3.25	25.23	<=33.01	Pass	
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.6 B25_20MHz_EIRP

Band: 25 / Bandwidth: 20MHz / NTNv								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1860	1	0	23.65	3.25	26.90	<=33.01	Pass
			50	23.26	3.25	26.51	<=33.01	Pass
			99	23.34	3.25	26.59	<=33.01	Pass
		50	0	22.58	3.25	25.83	<=33.01	Pass
			25	22.42	3.25	25.67	<=33.01	Pass
			50	22.35	3.25	25.60	<=33.01	Pass
		100	0	22.39	3.25	25.64	<=33.01	Pass
	1882.5	1	0	23.59	3.25	26.84	<=33.01	Pass
			50	23.70	3.25	26.95	<=33.01	Pass
			99	23.98	3.25	27.23	<=33.01	Pass
		50	0	22.80	3.25	26.05	<=33.01	Pass
			25	22.90	3.25	26.15	<=33.01	Pass
			50	23.00	3.25	26.25	<=33.01	Pass
		100	0	22.88	3.25	26.13	<=33.01	Pass
	1905	1	0	24.02	3.25	27.27	<=33.01	Pass
			50	23.87	3.25	27.12	<=33.01	Pass
			99	23.86	3.25	27.11	<=33.01	Pass
		50	0	23.05	3.25	26.30	<=33.01	Pass
			25	22.98	3.25	26.23	<=33.01	Pass
			50	22.90	3.25	26.15	<=33.01	Pass
		100	0	23.01	3.25	26.26	<=33.01	Pass
16QAM	1860	1	0	23.02	3.25	26.27	<=33.01	Pass
			50	22.66	3.25	25.91	<=33.01	Pass
			99	22.66	3.25	25.91	<=33.01	Pass
		50	0	21.65	3.25	24.90	<=33.01	Pass
			25	21.50	3.25	24.75	<=33.01	Pass
			50	21.38	3.25	24.63	<=33.01	Pass
		100	0	21.48	3.25	24.73	<=33.01	Pass
	1882.5	1	0	23.20	3.25	26.45	<=33.01	Pass
			50	23.37	3.25	26.62	<=33.01	Pass

			99	23.66	3.25	26.91	<=33.01	Pass	
		50	0	21.86	3.25	25.11	<=33.01	Pass	
			25	21.97	3.25	25.22	<=33.01	Pass	
			50	22.04	3.25	25.29	<=33.01	Pass	
		100	0	21.96	3.25	25.21	<=33.01	Pass	
	1905	1	0	23.32	3.25	26.57	<=33.01	Pass	
			50	23.11	3.25	26.36	<=33.01	Pass	
			99	23.03	3.25	26.28	<=33.01	Pass	
		50	0	22.13	3.25	25.38	<=33.01	Pass	
			25	22.10	3.25	25.35	<=33.01	Pass	
			50	21.98	3.25	25.23	<=33.01	Pass	
		100	0	22.05	3.25	25.30	<=33.01	Pass	
		Note1: EIRP=Conducted Power+Antenna Gain							

2. Field Strength of Spurious Radiation

LTE Band 25-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
3702.0	-58.55	-13	-45.55	-63.41	3.58	8.44	Horizontal	Pass
5553.0	-61.95	-13	-48.95	-67.66	4.74	10.45	Horizontal	Pass
7404.0	-60.43	-13	-47.43	-67.11	4.94	11.62	Horizontal	Pass
3702.0	-54.07	-13	-41.07	-58.93	3.58	8.44	Vertical	Pass
5553.0	-61.42	-13	-48.42	-67.13	4.74	10.45	Vertical	Pass
7404.0	-60.37	-13	-47.37	-67.05	4.94	11.62	Vertical	Pass

LTE Band 25-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
3747.0	-56.92	-13	-43.92	-61.8	3.62	8.5	Horizontal	Pass
5620.5	-62.08	-13	-49.08	-67.79	4.74	10.45	Horizontal	Pass
7494.0	-60.38	-13	-47.38	-67.17	4.94	11.73	Horizontal	Pass
3747.0	-50.67	-13	-37.67	-55.55	3.62	8.5	Vertical	Pass
5620.5	-61.18	-13	-48.18	-66.89	4.74	10.45	Vertical	Pass
7494.0	-60.62	-13	-47.62	-67.41	4.94	11.73	Vertical	Pass

LTE Band 25-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
3792.0	-56.67	-13	-43.67	-61.57	3.66	8.56	Horizontal	Pass
5688.0	-61.91	-13	-48.91	-67.61	4.75	10.45	Horizontal	Pass
7584.0	-59.78	-13	-46.78	-66.67	4.95	11.84	Horizontal	Pass
3792.0	-49.74	-13	-36.74	-54.64	3.66	8.56	Vertical	Pass
5688.0	-62.12	-13	-49.12	-67.82	4.75	10.45	Vertical	Pass
7584.0	-59.45	-13	-46.45	-66.34	4.95	11.84	Vertical	Pass