

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 Test Result

### 1.1.1 B66\_1.4MHz\_EIRP

Band: 66 / Bandwidth: 1.4MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1710.7	1	0	23.73	2.24	25.97	<=30	Pass	
			2	23.84	2.24	26.08	<=30	Pass	
			5	23.71	2.24	25.95	<=30	Pass	
		3	0	23.78	2.24	26.02	<=30	Pass	
			2	23.78	2.24	26.02	<=30	Pass	
			3	23.73	2.24	25.97	<=30	Pass	
	6	0	22.68	2.24	24.92	<=30	Pass		
	1745	1	0	23.64	2.24	25.88	<=30	Pass	
			2	23.77	2.24	26.01	<=30	Pass	
			5	23.68	2.24	25.92	<=30	Pass	
		3	0	23.74	2.24	25.98	<=30	Pass	
			2	23.81	2.24	26.05	<=30	Pass	
			3	23.77	2.24	26.01	<=30	Pass	
	6	0	22.65	2.24	24.89	<=30	Pass		
	1779.3	1	0	23.63	2.24	25.87	<=30	Pass	
			2	23.74	2.24	25.98	<=30	Pass	
			5	23.61	2.24	25.85	<=30	Pass	
		3	0	23.74	2.24	25.98	<=30	Pass	
			2	23.76	2.24	26.00	<=30	Pass	
			3	23.69	2.24	25.93	<=30	Pass	
	6	0	22.67	2.24	24.91	<=30	Pass		
	16QAM	1710.7	1	0	22.65	2.24	24.89	<=30	Pass
				2	22.73	2.24	24.97	<=30	Pass
				5	22.63	2.24	24.87	<=30	Pass
3			0	22.94	2.24	25.18	<=30	Pass	
			2	22.95	2.24	25.19	<=30	Pass	
			3	22.89	2.24	25.13	<=30	Pass	
6		0	21.73	2.24	23.97	<=30	Pass		
1745		1	0	22.79	2.24	25.03	<=30	Pass	
			2	22.92	2.24	25.16	<=30	Pass	
			5	22.84	2.24	25.08	<=30	Pass	
		3	0	22.85	2.24	25.09	<=30	Pass	
			2	22.85	2.24	25.09	<=30	Pass	
			3	22.77	2.24	25.01	<=30	Pass	
6		0	21.72	2.24	23.96	<=30	Pass		
1779.3		1	0	22.78	2.24	25.02	<=30	Pass	
			2	22.89	2.24	25.13	<=30	Pass	
			5	22.76	2.24	25.00	<=30	Pass	
		3	0	22.86	2.24	25.10	<=30	Pass	
			2	22.87	2.24	25.11	<=30	Pass	
			3	22.78	2.24	25.02	<=30	Pass	
6		0	21.69	2.24	23.93	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.2 B66\_3MHz\_EIRP

Band: 66 / Bandwidth: 3MHz / NTNV								
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Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1711.5	1	0	23.62	2.24	25.86	<=30	Pass		
			7	23.74	2.24	25.98	<=30	Pass		
			14	23.60	2.24	25.84	<=30	Pass		
		8	0	22.73	2.24	24.97	<=30	Pass		
			4	22.81	2.24	25.05	<=30	Pass		
			7	22.72	2.24	24.96	<=30	Pass		
		15	0	22.79	2.24	25.03	<=30	Pass		
		1745	1	0	23.68	2.24	25.92	<=30	Pass	
				7	23.80	2.24	26.04	<=30	Pass	
	14			23.69	2.24	25.93	<=30	Pass		
	8		0	22.78	2.24	25.02	<=30	Pass		
			4	22.79	2.24	25.03	<=30	Pass		
			7	22.74	2.24	24.98	<=30	Pass		
	15		0	22.82	2.24	25.06	<=30	Pass		
	1778.5		1	0	23.75	2.24	25.99	<=30	Pass	
				7	23.89	2.24	26.13	<=30	Pass	
		14		23.75	2.24	25.99	<=30	Pass		
		8	0	22.90	2.24	25.14	<=30	Pass		
			4	22.93	2.24	25.17	<=30	Pass		
			7	22.87	2.24	25.11	<=30	Pass		
		15	0	22.94	2.24	25.18	<=30	Pass		
		16QAM	1711.5	1	0	22.85	2.24	25.09	<=30	Pass
					7	23.00	2.24	25.24	<=30	Pass
	14				22.86	2.24	25.10	<=30	Pass	
	8			0	21.81	2.24	24.05	<=30	Pass	
				4	21.90	2.24	24.14	<=30	Pass	
				7	21.79	2.24	24.03	<=30	Pass	
15	0			21.83	2.24	24.07	<=30	Pass		
1745	1			0	22.70	2.24	24.94	<=30	Pass	
				7	22.79	2.24	25.03	<=30	Pass	
			14	22.73	2.24	24.97	<=30	Pass		
	8		0	21.92	2.24	24.16	<=30	Pass		
			4	21.98	2.24	24.22	<=30	Pass		
			7	21.93	2.24	24.17	<=30	Pass		
	15		0	21.95	2.24	24.19	<=30	Pass		
	1778.5		1	0	22.89	2.24	25.13	<=30	Pass	
				7	23.02	2.24	25.26	<=30	Pass	
14				22.90	2.24	25.14	<=30	Pass		
8			0	21.92	2.24	24.16	<=30	Pass		
			4	21.97	2.24	24.21	<=30	Pass		
			7	21.91	2.24	24.15	<=30	Pass		
15			0	21.85	2.24	24.09	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.3 B66\_5MHz\_EIRP

Band: 66 / Bandwidth: 5MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	23.82	2.24	26.06	<=30	Pass
			13	23.91	2.24	26.15	<=30	Pass
			24	23.81	2.24	26.05	<=30	Pass
		12	0	22.92	2.24	25.16	<=30	Pass
			6	22.91	2.24	25.15	<=30	Pass
			13	22.89	2.24	25.13	<=30	Pass

16QAM	1745	25	0	22.93	2.24	25.17	<=30	Pass	
			1	0	23.71	2.24	25.95	<=30	Pass
				13	23.77	2.24	26.01	<=30	Pass
				24	23.67	2.24	25.91	<=30	Pass
		12	0	22.92	2.24	25.16	<=30	Pass	
			6	22.95	2.24	25.19	<=30	Pass	
			13	22.89	2.24	25.13	<=30	Pass	
		25	0	22.88	2.24	25.12	<=30	Pass	
		1777.5	1	0	23.80	2.24	26.04	<=30	Pass
				13	23.87	2.24	26.11	<=30	Pass
				24	23.82	2.24	26.06	<=30	Pass
				0	22.96	2.24	25.20	<=30	Pass
	12		6	22.98	2.24	25.22	<=30	Pass	
			13	22.93	2.24	25.17	<=30	Pass	
			25	0	22.93	2.24	25.17	<=30	Pass
	1712.5		1	0	23.07	2.24	25.31	<=30	Pass
				13	23.15	2.24	25.39	<=30	Pass
				24	23.09	2.24	25.33	<=30	Pass
				0	21.95	2.24	24.19	<=30	Pass
			12	6	21.97	2.24	24.21	<=30	Pass
		13		21.92	2.24	24.16	<=30	Pass	
		25		0	21.99	2.24	24.23	<=30	Pass
		1745	1	0	23.05	2.24	25.29	<=30	Pass
				13	23.14	2.24	25.38	<=30	Pass
24				23.07	2.24	25.31	<=30	Pass	
12			0	22.01	2.24	24.25	<=30	Pass	
			6	22.06	2.24	24.30	<=30	Pass	
	13		22.00	2.24	24.24	<=30	Pass		
25	0	22.01	2.24	24.25	<=30	Pass			
1777.5	1	0	22.97	2.24	25.21	<=30	Pass		
		13	23.02	2.24	25.26	<=30	Pass		
		24	22.94	2.24	25.18	<=30	Pass		
	12	0	21.94	2.24	24.18	<=30	Pass		
		6	21.96	2.24	24.20	<=30	Pass		
		13	21.91	2.24	24.15	<=30	Pass		
25	0	21.93	2.24	24.17	<=30	Pass			

Note1: EIRP=Conducted Power+Antenna Gain

#### 1.1.4 B66\_10MHz\_EIRP

Band: 66 / Bandwidth: 10MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1715	1	0	23.85	2.24	26.09	<=30	Pass	
			25	23.87	2.24	26.11	<=30	Pass	
			49	23.84	2.24	26.08	<=30	Pass	
		25	0	22.90	2.24	25.14	<=30	Pass	
			13	22.95	2.24	25.19	<=30	Pass	
			25	22.91	2.24	25.15	<=30	Pass	
		50	0	22.92	2.24	25.16	<=30	Pass	
		1745	1	0	23.83	2.24	26.07	<=30	Pass
				25	23.85	2.24	26.09	<=30	Pass
	49			23.90	2.24	26.14	<=30	Pass	
	25		0	22.90	2.24	25.14	<=30	Pass	
			13	22.96	2.24	25.20	<=30	Pass	
			25	22.92	2.24	25.16	<=30	Pass	
	50	0	22.95	2.24	25.19	<=30	Pass		

16QAM	1775	1	0	23.84	2.24	26.08	<=30	Pass	
			25	23.81	2.24	26.05	<=30	Pass	
			49	23.81	2.24	26.05	<=30	Pass	
		25	0	22.93	2.24	25.17	<=30	Pass	
			13	22.96	2.24	25.20	<=30	Pass	
			25	22.94	2.24	25.18	<=30	Pass	
		50	0	22.95	2.24	25.19	<=30	Pass	
		1715	1	0	23.06	2.24	25.30	<=30	Pass
				25	23.10	2.24	25.34	<=30	Pass
	49			23.10	2.24	25.34	<=30	Pass	
	25			0	22.05	2.24	24.29	<=30	Pass
				13	22.04	2.24	24.28	<=30	Pass
				25	22.05	2.24	24.29	<=30	Pass
	50		0	21.98	2.24	24.22	<=30	Pass	
	1745		1	0	22.71	2.24	24.95	<=30	Pass
25				22.76	2.24	25.00	<=30	Pass	
49				22.73	2.24	24.97	<=30	Pass	
25			0	21.97	2.24	24.21	<=30	Pass	
			13	21.99	2.24	24.23	<=30	Pass	
			25	21.96	2.24	24.20	<=30	Pass	
50			0	22.00	2.24	24.24	<=30	Pass	
1775			1	0	22.99	2.24	25.23	<=30	Pass
				25	22.97	2.24	25.21	<=30	Pass
	49			22.92	2.24	25.16	<=30	Pass	
	25		0	22.02	2.24	24.26	<=30	Pass	
		13	22.02	2.24	24.26	<=30	Pass		
		25	22.01	2.24	24.25	<=30	Pass		
	50	0	21.99	2.24	24.23	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.5 B66\_15MHz\_EIRP

Band: 66 / Bandwidth: 15MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1717.5	1	0	23.83	2.24	26.07	<=30	Pass		
			38	23.81	2.24	26.05	<=30	Pass		
			74	23.81	2.24	26.05	<=30	Pass		
		36	0	22.89	2.24	25.13	<=30	Pass		
			18	22.93	2.24	25.17	<=30	Pass		
			39	22.89	2.24	25.13	<=30	Pass		
		75	0	22.91	2.24	25.15	<=30	Pass		
		1745	1	0	23.74	2.24	25.98	<=30	Pass	
				38	23.75	2.24	25.99	<=30	Pass	
	74			23.71	2.24	25.95	<=30	Pass		
	36		0	22.85	2.24	25.09	<=30	Pass		
			18	22.85	2.24	25.09	<=30	Pass		
			39	22.88	2.24	25.12	<=30	Pass		
	75		0	22.88	2.24	25.12	<=30	Pass		
	1772.5		1	0	23.75	2.24	25.99	<=30	Pass	
				38	23.76	2.24	26.00	<=30	Pass	
		74		23.69	2.24	25.93	<=30	Pass		
		36	0	22.87	2.24	25.11	<=30	Pass		
			18	22.87	2.24	25.11	<=30	Pass		
			39	22.92	2.24	25.16	<=30	Pass		
		75	0	22.88	2.24	25.12	<=30	Pass		
		16QAM	1717.5	1	0	23.04	2.24	25.28	<=30	Pass

		36	38	23.05	2.24	25.29	<=30	Pass
			74	23.05	2.24	25.29	<=30	Pass
			0	21.94	2.24	24.18	<=30	Pass
			18	21.94	2.24	24.18	<=30	Pass
			39	21.95	2.24	24.19	<=30	Pass
			75	0	21.93	2.24	24.17	<=30
	1745	1	0	22.91	2.24	25.15	<=30	Pass
			38	22.94	2.24	25.18	<=30	Pass
			74	22.86	2.24	25.10	<=30	Pass
		36	0	21.86	2.24	24.10	<=30	Pass
			18	21.94	2.24	24.18	<=30	Pass
			39	21.91	2.24	24.15	<=30	Pass
	75	0	21.92	2.24	24.16	<=30	Pass	
	1772.5	1	0	22.89	2.24	25.13	<=30	Pass
			38	22.93	2.24	25.17	<=30	Pass
			74	22.83	2.24	25.07	<=30	Pass
		36	0	21.89	2.24	24.13	<=30	Pass
			18	21.93	2.24	24.17	<=30	Pass
			39	21.89	2.24	24.13	<=30	Pass
		75	0	21.91	2.24	24.15	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.6 B66\_20MHz\_EIRP

Band: 66 / Bandwidth: 20MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1720	1	0	23.73	2.24	25.97	<=30	Pass	
			50	23.82	2.24	26.06	<=30	Pass	
			99	23.81	2.24	26.05	<=30	Pass	
		50	0	22.93	2.24	25.17	<=30	Pass	
			25	22.96	2.24	25.20	<=30	Pass	
			50	22.92	2.24	25.16	<=30	Pass	
		100	0	22.93	2.24	25.17	<=30	Pass	
		1745	1	0	23.72	2.24	25.96	<=30	Pass
				50	23.78	2.24	26.02	<=30	Pass
	99			23.76	2.24	26.00	<=30	Pass	
	50		0	22.87	2.24	25.11	<=30	Pass	
			25	22.93	2.24	25.17	<=30	Pass	
			50	22.88	2.24	25.12	<=30	Pass	
	100		0	22.91	2.24	25.15	<=30	Pass	
	1770		1	0	23.73	2.24	25.97	<=30	Pass
				50	23.79	2.24	26.03	<=30	Pass
		99		23.80	2.24	26.04	<=30	Pass	
		50	0	22.87	2.24	25.11	<=30	Pass	
			25	22.93	2.24	25.17	<=30	Pass	
			50	22.84	2.24	25.08	<=30	Pass	
	100	0	22.87	2.24	25.11	<=30	Pass		
	16QAM	1720	1	0	22.72	2.24	24.96	<=30	Pass
				50	23.01	2.24	25.25	<=30	Pass
				99	23.01	2.24	25.25	<=30	Pass
50			0	21.97	2.24	24.21	<=30	Pass	
			25	22.00	2.24	24.24	<=30	Pass	
			50	21.99	2.24	24.23	<=30	Pass	
100		0	21.93	2.24	24.17	<=30	Pass		
1745		1	0	22.60	2.24	24.84	<=30	Pass	
			50	22.62	2.24	24.86	<=30	Pass	

			99	22.63	2.24	24.87	<=30	Pass		
		50	0	21.96	2.24	24.20	<=30	Pass		
			25	22.05	2.24	24.29	<=30	Pass		
			50	21.97	2.24	24.21	<=30	Pass		
			100	0	21.96	2.24	24.20	<=30	Pass	
	1770	1	0	22.62	2.24	24.86	<=30	Pass		
			50	22.64	2.24	24.88	<=30	Pass		
			99	22.62	2.24	24.86	<=30	Pass		
		50	0	21.90	2.24	24.14	<=30	Pass		
			25	21.92	2.24	24.16	<=30	Pass		
			50	21.88	2.24	24.12	<=30	Pass		
		100	0	21.88	2.24	24.12	<=30	Pass		
		Note1: EIRP=Conducted Power+Antenna Gain								

## 2. Field Strength of Spurious Radiation

LTE Band 66-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
3422.0	-58.58	-13	-45.58	-63.2	3.36	7.98	Horizontal	Pass
5133.0	-62.63	-13	-49.63	-68.24	4.61	10.22	Horizontal	Pass
6844.0	-60.98	-13	-47.98	-67.01	4.9	10.93	Horizontal	Pass
3422.0	-52.13	-13	-39.13	-56.75	3.36	7.98	Vertical	Pass
5133.0	-62.76	-13	-49.76	-68.37	4.61	10.22	Vertical	Pass
6844.0	-60.66	-13	-47.66	-66.69	4.9	10.93	Vertical	Pass

LTE Band 66-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
3472.0	-57.82	-13	-44.82	-62.53	3.39	8.1	Horizontal	Pass
5208.0	-62.68	-13	-49.68	-68.31	4.64	10.27	Horizontal	Pass
6944.0	-60.8	-13	-47.8	-66.95	4.91	11.06	Horizontal	Pass
3472.0	-52.62	-13	-39.62	-57.33	3.39	8.1	Vertical	Pass
5208.0	-61.89	-13	-48.89	-67.52	4.64	10.27	Vertical	Pass
6944.0	-60.78	-13	-47.78	-66.93	4.91	11.06	Vertical	Pass

LTE Band 66-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
3522.0	-61.5	-13	-48.5	-66.28	3.42	8.2	Horizontal	Pass
5283.0	-62.68	-13	-49.68	-68.34	4.66	10.32	Horizontal	Pass
7044.0	-60.73	-13	-47.73	-66.99	4.92	11.18	Horizontal	Pass
3522.0	-55.5	-13	-42.5	-60.28	3.42	8.2	Vertical	Pass
5283.0	-62.46	-13	-49.46	-68.12	4.66	10.32	Vertical	Pass
7044.0	-60.39	-13	-47.39	-66.65	4.92	11.18	Vertical	Pass