

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B12_1.4MHz_ERP

Band: 12 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	699.7	1	0	23.47	0.23	21.55	<=34.77	Pass
			2	23.52	0.23	21.60	<=34.77	Pass
			5	23.45	0.23	21.53	<=34.77	Pass
		3	0	23.53	0.23	21.61	<=34.77	Pass
			2	23.56	0.23	21.64	<=34.77	Pass
			3	23.52	0.23	21.60	<=34.77	Pass
		6	0	22.43	0.23	20.51	<=34.77	Pass
	707.5	1	0	23.47	0.23	21.55	<=34.77	Pass
			2	23.53	0.23	21.61	<=34.77	Pass
			5	23.48	0.23	21.56	<=34.77	Pass
		3	0	23.60	0.23	21.68	<=34.77	Pass
			2	23.61	0.23	21.69	<=34.77	Pass
			3	23.54	0.23	21.62	<=34.77	Pass
		6	0	22.47	0.23	20.55	<=34.77	Pass
	715.3	1	0	23.31	0.23	21.39	<=34.77	Pass
			2	23.38	0.23	21.46	<=34.77	Pass
			5	23.31	0.23	21.39	<=34.77	Pass
		3	0	23.34	0.23	21.42	<=34.77	Pass
			2	23.37	0.23	21.45	<=34.77	Pass
			3	23.29	0.23	21.37	<=34.77	Pass
		6	0	22.33	0.23	20.41	<=34.77	Pass
16QAM	699.7	1	0	22.51	0.23	20.59	<=34.77	Pass
			2	22.54	0.23	20.62	<=34.77	Pass
			5	22.52	0.23	20.60	<=34.77	Pass
		3	0	22.65	0.23	20.73	<=34.77	Pass
			2	22.68	0.23	20.76	<=34.77	Pass
			3	22.63	0.23	20.71	<=34.77	Pass
		6	0	21.39	0.23	19.47	<=34.77	Pass
	707.5	1	0	22.67	0.23	20.75	<=34.77	Pass
			2	22.71	0.23	20.79	<=34.77	Pass
			5	22.65	0.23	20.73	<=34.77	Pass
		3	0	22.82	0.23	20.90	<=34.77	Pass
			2	22.82	0.23	20.90	<=34.77	Pass
			3	22.82	0.23	20.90	<=34.77	Pass
		6	0	21.56	0.23	19.64	<=34.77	Pass
	715.3	1	0	22.33	0.23	20.41	<=34.77	Pass
			2	22.40	0.23	20.48	<=34.77	Pass
			5	22.33	0.23	20.41	<=34.77	Pass
		3	0	22.47	0.23	20.55	<=34.77	Pass
			2	22.47	0.23	20.55	<=34.77	Pass
			3	22.40	0.23	20.48	<=34.77	Pass
		6	0	21.26	0.23	19.34	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B12_3MHz_ERP

Band: 12 / Bandwidth: 3MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	700.5	1	0	23.53	0.23	21.61	<=34.77	Pass	
			7	23.55	0.23	21.63	<=34.77	Pass	
			14	23.42	0.23	21.50	<=34.77	Pass	
		8	0	22.54	0.23	20.62	<=34.77	Pass	
			4	22.57	0.23	20.65	<=34.77	Pass	
			7	22.52	0.23	20.60	<=34.77	Pass	
		15	0	22.55	0.23	20.63	<=34.77	Pass	
		707.5	1	0	23.56	0.23	21.64	<=34.77	Pass
				7	23.64	0.23	21.72	<=34.77	Pass
	14			23.51	0.23	21.59	<=34.77	Pass	
	8		0	22.59	0.23	20.67	<=34.77	Pass	
			4	22.61	0.23	20.69	<=34.77	Pass	
			7	22.57	0.23	20.65	<=34.77	Pass	
	15	0	22.57	0.23	20.65	<=34.77	Pass		
	714.5	1	0	23.39	0.23	21.47	<=34.77	Pass	
			7	23.43	0.23	21.51	<=34.77	Pass	
			14	23.34	0.23	21.42	<=34.77	Pass	
		8	0	22.43	0.23	20.51	<=34.77	Pass	
			4	22.45	0.23	20.53	<=34.77	Pass	
			7	22.41	0.23	20.49	<=34.77	Pass	
		15	0	22.46	0.23	20.54	<=34.77	Pass	
16QAM		700.5	1	0	23.13	0.23	21.21	<=34.77	Pass
				7	23.19	0.23	21.27	<=34.77	Pass
	14			23.09	0.23	21.17	<=34.77	Pass	
	8		0	21.75	0.23	19.83	<=34.77	Pass	
			4	21.78	0.23	19.86	<=34.77	Pass	
			7	21.70	0.23	19.78	<=34.77	Pass	
	15		0	21.70	0.23	19.78	<=34.77	Pass	
	707.5	1	0	22.65	0.23	20.73	<=34.77	Pass	
			7	22.69	0.23	20.77	<=34.77	Pass	
			14	22.60	0.23	20.68	<=34.77	Pass	
		8	0	21.67	0.23	19.75	<=34.77	Pass	
			4	21.72	0.23	19.80	<=34.77	Pass	
			7	21.69	0.23	19.77	<=34.77	Pass	
	15	0	21.69	0.23	19.77	<=34.77	Pass		
	714.5	1	0	22.55	0.23	20.63	<=34.77	Pass	
			7	22.63	0.23	20.71	<=34.77	Pass	
			14	22.51	0.23	20.59	<=34.77	Pass	
		8	0	21.43	0.23	19.51	<=34.77	Pass	
4			21.45	0.23	19.53	<=34.77	Pass		
7			21.39	0.23	19.47	<=34.77	Pass		
15		0	21.45	0.23	19.53	<=34.77	Pass		
Note1: ERP=Conducted Power+Antenna Gain-2.15									

1.1.3 B12_5MHz_ERP

Band: 12 / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	701.5	1	0	23.50	0.23	21.58	<=34.77	Pass
			13	23.58	0.23	21.66	<=34.77	Pass
			24	23.58	0.23	21.66	<=34.77	Pass
		12	0	22.59	0.23	20.67	<=34.77	Pass
			6	22.58	0.23	20.66	<=34.77	Pass
			13	22.62	0.23	20.70	<=34.77	Pass

		25	0	22.67	0.23	20.75	<=34.77	Pass	
	707.5	1	0	23.58	0.23	21.66	<=34.77	Pass	
			13	23.60	0.23	21.68	<=34.77	Pass	
			24	23.54	0.23	21.62	<=34.77	Pass	
			0	22.62	0.23	20.70	<=34.77	Pass	
		12	6	22.62	0.23	20.70	<=34.77	Pass	
			13	22.59	0.23	20.67	<=34.77	Pass	
			25	0	22.62	0.23	20.70	<=34.77	Pass
	713.5	1	0	23.40	0.23	21.48	<=34.77	Pass	
			13	23.47	0.23	21.55	<=34.77	Pass	
			24	23.33	0.23	21.41	<=34.77	Pass	
		12	0	22.49	0.23	20.57	<=34.77	Pass	
			6	22.48	0.23	20.56	<=34.77	Pass	
			13	22.42	0.23	20.50	<=34.77	Pass	
		25	0	22.45	0.23	20.53	<=34.77	Pass	
	16QAM	701.5	1	0	22.63	0.23	20.71	<=34.77	Pass
13				22.71	0.23	20.79	<=34.77	Pass	
24				22.68	0.23	20.76	<=34.77	Pass	
12			0	21.63	0.23	19.71	<=34.77	Pass	
			6	21.60	0.23	19.68	<=34.77	Pass	
			13	21.66	0.23	19.74	<=34.77	Pass	
25			0	21.73	0.23	19.81	<=34.77	Pass	
707.5		1	0	22.83	0.23	20.91	<=34.77	Pass	
			13	22.90	0.23	20.98	<=34.77	Pass	
			24	22.81	0.23	20.89	<=34.77	Pass	
		12	0	21.72	0.23	19.80	<=34.77	Pass	
			6	21.72	0.23	19.80	<=34.77	Pass	
			13	21.69	0.23	19.77	<=34.77	Pass	
		25	0	21.66	0.23	19.74	<=34.77	Pass	
713.5		1	0	22.32	0.23	20.40	<=34.77	Pass	
			13	22.37	0.23	20.45	<=34.77	Pass	
			24	22.23	0.23	20.31	<=34.77	Pass	
		12	0	21.51	0.23	19.59	<=34.77	Pass	
			6	21.53	0.23	19.61	<=34.77	Pass	
			13	21.46	0.23	19.54	<=34.77	Pass	
		25	0	21.55	0.23	19.63	<=34.77	Pass	
Note1: ERP=Conducted Power+Antenna Gain-2.15									

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B12_10MHz_ERP

Band: 12 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	704	1	0	23.47	0.23	21.55	<=34.77	Pass
			25	23.52	0.23	21.60	<=34.77	Pass
			49	23.47	0.23	21.55	<=34.77	Pass
		25	0	22.66	0.23	20.74	<=34.77	Pass
			13	22.67	0.23	20.75	<=34.77	Pass
			25	22.65	0.23	20.73	<=34.77	Pass
		50	0	22.63	0.23	20.71	<=34.77	Pass
	707.5	1	0	23.49	0.23	21.57	<=34.77	Pass
			25	23.55	0.23	21.63	<=34.77	Pass
			49	23.48	0.23	21.56	<=34.77	Pass
		25	0	22.61	0.23	20.69	<=34.77	Pass
			13	22.64	0.23	20.72	<=34.77	Pass
			25	22.62	0.23	20.70	<=34.77	Pass
		50	0	22.62	0.23	20.70	<=34.77	Pass

	711	1	0	23.53	0.23	21.61	<=34.77	Pass		
			25	23.48	0.23	21.56	<=34.77	Pass		
			49	23.40	0.23	21.48	<=34.77	Pass		
		25	0	22.58	0.23	20.66	<=34.77	Pass		
			13	22.63	0.23	20.71	<=34.77	Pass		
			25	22.59	0.23	20.67	<=34.77	Pass		
		50	0	22.61	0.23	20.69	<=34.77	Pass		
		16QAM	704	1	0	23.11	0.23	21.19	<=34.77	Pass
					25	23.15	0.23	21.23	<=34.77	Pass
49	23.08				0.23	21.16	<=34.77	Pass		
25	0			21.77	0.23	19.85	<=34.77	Pass		
	13			21.79	0.23	19.87	<=34.77	Pass		
	25			21.72	0.23	19.80	<=34.77	Pass		
50	0			21.69	0.23	19.77	<=34.77	Pass		
707.5	1			0	22.52	0.23	20.60	<=34.77	Pass	
				25	22.57	0.23	20.65	<=34.77	Pass	
			49	22.54	0.23	20.62	<=34.77	Pass		
	25		0	21.78	0.23	19.86	<=34.77	Pass		
			13	21.80	0.23	19.88	<=34.77	Pass		
			25	21.73	0.23	19.81	<=34.77	Pass		
50	0		21.70	0.23	19.78	<=34.77	Pass			
711	1		0	22.71	0.23	20.79	<=34.77	Pass		
		25	22.72	0.23	20.80	<=34.77	Pass			
		49	22.59	0.23	20.67	<=34.77	Pass			
	25	0	21.68	0.23	19.76	<=34.77	Pass			
		13	21.67	0.23	19.75	<=34.77	Pass			
		25	21.64	0.23	19.72	<=34.77	Pass			
	50	0	21.63	0.23	19.71	<=34.77	Pass			
Note1: ERP=Conducted Power+Antenna Gain-2.15										

2. Field Strength of Spurious Radiation

LTE Band 5-High channel, Modulation: QPSK, Bandwidth:10MHz, 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
1679.0	-71.53	-13	-58.53	-74.33	2.63	5.43	Horizontal	Pass
2518.5	-68.77	-13	-55.77	-71.55	3.08	5.86	Horizontal	Pass
3358.0	-66.8	-13	-53.8	-71.29	3.33	7.82	Horizontal	Pass
1679.0	-71.21	-13	-58.21	-74.01	2.63	5.43	Vertical	Pass
2518.5	-68.26	-13	-55.26	-71.04	3.08	5.86	Vertical	Pass
3358.0	-67.07	-13	-54.07	-71.56	3.33	7.82	Vertical	Pass

LTE Band 12-Low channel, Modulation: QPSK, Bandwidth:10MHz, 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
1399.0	-51.44	-13	-38.44	-54.21	2.47	5.24	Horizontal	Pass
2098.5	-69.17	-13	-56.17	-71.24	2.79	4.86	Horizontal	Pass
2798.0	-67.75	-13	-54.75	-71.11	3.12	6.48	Horizontal	Pass
1399.0	-53.28	-13	-40.28	-56.05	2.47	5.24	Vertical	Pass
2098.5	-68.22	-13	-55.22	-70.29	2.79	4.86	Vertical	Pass
2798.0	-68.01	-13	-55.01	-71.37	3.12	6.48	Vertical	Pass

LTE Band 12-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 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
1406.0	-55.18	-13	-42.18	-57.98	2.48	5.28	Horizontal	Pass
2109.0	-68.49	-13	-55.49	-70.57	2.8	4.88	Horizontal	Pass
2812.0	-68.68	-13	-55.68	-72.07	3.12	6.51	Horizontal	Pass
1406.0	-52.23	-13	-39.23	-55.03	2.48	5.28	Vertical	Pass
2109.0	-68.32	-13	-55.32	-70.4	2.8	4.88	Vertical	Pass
2812.0	-68.55	-13	-55.55	-71.94	3.12	6.51	Vertical	Pass

LTE Band 12-High channel, Modulation: QPSK, Bandwidth:10MHz, 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
1413.0	-54.86	-13	-41.86	-57.7	2.49	5.33	Horizontal	Pass
2119.5	-64.65	-13	-51.65	-66.75	2.81	4.91	Horizontal	Pass
2826.0	-68.69	-13	-55.69	-72.1	3.13	6.54	Horizontal	Pass
1413.0	-56.29	-13	-43.29	-59.13	2.49	5.33	Vertical	Pass
2119.5	-64.64	-13	-51.64	-66.74	2.81	4.91	Vertical	Pass
2826.0	-68.56	-13	-55.56	-71.97	3.13	6.54	Vertical	Pass