

1.1.1 B13 5MHz ERP

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B13_10MHz_ERP

Band: 13 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	782	1	0	23.92	-0.56	21.21	<=34.77	Pass
			25	23.77	-0.56	21.06	<=34.77	Pass
			49	23.80	-0.56	21.09	<=34.77	Pass
		25	0	22.86	-0.56	20.15	<=34.77	Pass
			13	22.87	-0.56	20.16	<=34.77	Pass
			25	22.80	-0.56	20.09	<=34.77	Pass
		50	0	22.83	-0.56	20.12	<=34.77	Pass
16QAM	782	1	0	23.32	-0.56	20.61	<=34.77	Pass
			25	23.30	-0.56	20.59	<=34.77	Pass
			49	23.32	-0.56	20.61	<=34.77	Pass
		25	0	21.90	-0.56	19.19	<=34.77	Pass
			13	21.91	-0.56	19.20	<=34.77	Pass
			25	21.90	-0.56	19.19	<=34.77	Pass
		50	0	21.87	-0.56	19.16	<=34.77	Pass
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2. Field Strength of Spurious Radiation

LTE Band 13-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
1555.0	-69.16	-13	-56.16	-72.3	2.6	5.74	Horizontal	Pass
2332.5	-61.04	-13	-48.04	-63.5	2.96	5.42	Horizontal	Pass
3110.0	-67.57	-13	-54.57	-71.57	3.2	7.2	Horizontal	Pass
1555.0	-63.23	-13	-50.23	-66.37	2.6	5.74	Vertical	Pass
2332.5	-64.33	-13	-51.33	-66.79	2.96	5.42	Vertical	Pass
3110.0	-67.66	-13	-54.66	-71.66	3.2	7.2	Vertical	Pass

LTE Band 13-Low channel, Modulation: QPSK, Bandwidth:5MHz, 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
1554.5	-68.58	-13	-55.58	-71.72	2.6	5.74	Horizontal	Pass
2331.75	-60.38	-13	-47.38	-62.84	2.96	5.42	Horizontal	Pass
3109.0	-67.39	-13	-54.39	-71.38	3.2	7.19	Horizontal	Pass
1554.5	-63.03	-13	-50.03	-66.17	2.6	5.74	Vertical	Pass
2331.75	-64.97	-13	-51.97	-67.43	2.96	5.42	Vertical	Pass
3109.0	-65.85	-13	-52.85	-69.84	3.2	7.19	Vertical	Pass

LTE Band 13-Middle channel, Modulation: QPSK, Bandwidth:5MHz, 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
1559.5	-70.49	-40	-30.49	-73.62	2.6	5.73	Horizontal	Pass
2339.25	-62.14	-13	-49.14	-64.61	2.96	5.43	Horizontal	Pass
3119.0	-67.45	-13	-54.45	-71.46	3.21	7.22	Horizontal	Pass
1559.5	-63.65	-40	-23.65	-66.78	2.6	5.73	Vertical	Pass
2339.25	-67.05	-13	-54.05	-69.52	2.96	5.43	Vertical	Pass
3119.0	-67.04	-13	-54.04	-71.05	3.21	7.22	Vertical	Pass

LTE Band 13-High channel, Modulation: QPSK, Bandwidth:5MHz, 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
1564.5	-70.94	-40	-30.94	-74.06	2.6	5.72	Horizontal	Pass
2346.75	-66.52	-13	-53.52	-69.0	2.97	5.45	Horizontal	Pass
3129.0	-67.97	-13	-54.97	-72.0	3.21	7.24	Horizontal	Pass
1564.5	-66.96	-40	-26.96	-70.08	2.6	5.72	Vertical	Pass
2346.75	-68.97	-13	-55.97	-71.45	2.97	5.45	Vertical	Pass
3129.0	-67.9	-13	-54.9	-71.93	3.21	7.24	Vertical	Pass