

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B30_5MHz_EIRP

Band: 30 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2307.5	1	0	22.06	1.39	23.45	<=23.98	Pass
			13	22.01	1.39	23.4	<=23.98	Pass
			24	22.01	1.39	23.4	<=23.98	Pass
		12	0	20.90	1.39	22.29	<=23.98	Pass
			6	20.86	1.39	22.25	<=23.98	Pass
			13	20.79	1.39	22.18	<=23.98	Pass
		25	0	20.87	1.39	22.26	<=23.98	Pass
	2310	1	0	21.99	1.39	23.38	<=23.98	Pass
			13	21.78	1.39	23.17	<=23.98	Pass
			24	21.52	1.39	22.91	<=23.98	Pass
		12	0	20.89	1.39	22.28	<=23.98	Pass
			6	20.83	1.39	22.22	<=23.98	Pass
			13	20.78	1.39	22.17	<=23.98	Pass
		25	0	20.87	1.39	22.26	<=23.98	Pass
	2312.5	1	0	21.44	1.39	22.83	<=23.98	Pass
			13	21.43	1.39	22.82	<=23.98	Pass
			24	21.42	1.39	22.81	<=23.98	Pass
		12	0	20.89	1.39	22.28	<=23.98	Pass
			6	20.85	1.39	22.24	<=23.98	Pass
			13	20.82	1.39	22.21	<=23.98	Pass
		25	0	20.84	1.39	22.23	<=23.98	Pass
16QAM	2307.5	1	0	20.99	1.39	22.38	<=23.98	Pass
			13	20.93	1.39	22.32	<=23.98	Pass
			24	20.92	1.39	22.31	<=23.98	Pass
		12	0	19.92	1.39	21.31	<=23.98	Pass
			6	19.85	1.39	21.24	<=23.98	Pass
			13	19.76	1.39	21.15	<=23.98	Pass
		25	0	19.89	1.39	21.28	<=23.98	Pass
	2310	1	0	20.54	1.39	21.93	<=23.98	Pass
			13	20.49	1.39	21.88	<=23.98	Pass
			24	20.48	1.39	21.87	<=23.98	Pass
		12	0	19.94	1.39	21.33	<=23.98	Pass
			6	19.81	1.39	21.2	<=23.98	Pass
			13	19.80	1.39	21.19	<=23.98	Pass
		25	0	19.89	1.39	21.28	<=23.98	Pass
	2312.5	1	0	20.55	1.39	21.94	<=23.98	Pass
			13	20.54	1.39	21.93	<=23.98	Pass
			24	20.54	1.39	21.93	<=23.98	Pass
		12	0	19.85	1.39	21.24	<=23.98	Pass
			6	19.85	1.39	21.24	<=23.98	Pass
			13	19.84	1.39	21.23	<=23.98	Pass
		25	0	19.80	1.39	21.19	<=23.98	Pass
64QAM	2307.5	1	0	19.84	1.39	21.23	<=23.98	Pass
			13	19.78	1.39	21.17	<=23.98	Pass
			24	19.62	1.39	21.01	<=23.98	Pass
		12	0	18.94	1.39	20.33	<=23.98	Pass
			6	18.84	1.39	20.23	<=23.98	Pass
			13	18.77	1.39	20.16	<=23.98	Pass
		25	0	18.85	1.39	20.24	<=23.98	Pass

	2310	1	0	19.65	1.39	21.04	<=23.98	Pass	
			13	19.58	1.39	20.97	<=23.98	Pass	
			24	19.58	1.39	20.97	<=23.98	Pass	
		12	0	18.93	1.39	20.32	<=23.98	Pass	
			6	18.84	1.39	20.23	<=23.98	Pass	
			13	18.79	1.39	20.18	<=23.98	Pass	
		25	0	18.86	1.39	20.25	<=23.98	Pass	
		2312.5	1	0	19.90	1.39	21.29	<=23.98	Pass
				13	19.85	1.39	21.24	<=23.98	Pass
	24			19.85	1.39	21.24	<=23.98	Pass	
	12		0	18.85	1.39	20.24	<=23.98	Pass	
			6	18.84	1.39	20.23	<=23.98	Pass	
			13	18.82	1.39	20.21	<=23.98	Pass	
	25		0	18.79	1.39	20.18	<=23.98	Pass	

256QAM	2307.5	1	0	17.31	1.39	18.7	<=23.98	Pass
			13	17.29	1.39	18.68	<=23.98	Pass
			24	17.29	1.39	18.68	<=23.98	Pass
		12	0	17.01	1.39	18.4	<=23.98	Pass
			6	16.97	1.39	18.36	<=23.98	Pass
			13	16.91	1.39	18.3	<=23.98	Pass
		25	0	17.01	1.39	18.4	<=23.98	Pass
	2310	1	0	17.32	1.39	18.71	<=23.98	Pass
			13	17.28	1.39	18.67	<=23.98	Pass
			24	17.26	1.39	18.65	<=23.98	Pass
		12	0	16.99	1.39	18.38	<=23.98	Pass
			6	16.92	1.39	18.31	<=23.98	Pass
			13	16.90	1.39	18.29	<=23.98	Pass
		25	0	16.97	1.39	18.36	<=23.98	Pass
	2312.5	1	0	17.08	1.39	18.47	<=23.98	Pass
			13	17.06	1.39	18.45	<=23.98	Pass
			24	17.04	1.39	18.43	<=23.98	Pass
		12	0	16.94	1.39	18.33	<=23.98	Pass
			6	16.91	1.39	18.3	<=23.98	Pass
			13	16.92	1.39	18.31	<=23.98	Pass
		25	0	16.94	1.39	18.33	<=23.98	Pass

Note1: EIRP=Conducted Power+Antenna Gain								
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1.1.3 B30_10MHz_EIRP

Band: 30 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2310	1	0	21.45	1.39	22.84	<=23.98	Pass
			25	21.38	1.39	22.77	<=23.98	Pass
			49	21.31	1.39	22.7	<=23.98	Pass
		25	0	20.95	1.39	22.34	<=23.98	Pass
			13	20.84	1.39	22.23	<=23.98	Pass
			25	20.83	1.39	22.22	<=23.98	Pass
		50	0	20.92	1.39	22.31	<=23.98	Pass
16QAM	2310	1	0	20.63	1.39	22.02	<=23.98	Pass
			25	20.54	1.39	21.93	<=23.98	Pass
			49	20.50	1.39	21.89	<=23.98	Pass
		25	0	19.93	1.39	21.32	<=23.98	Pass
			13	19.84	1.39	21.23	<=23.98	Pass
			25	19.81	1.39	21.2	<=23.98	Pass
		50	0	19.88	1.39	21.27	<=23.98	Pass
64QAM	2310	1	0	19.34	1.39	20.73	<=23.98	Pass

			25	19.28	1.39	20.67	<=23.98	Pass
			49	19.21	1.39	20.6	<=23.98	Pass
		25	0	18.94	1.39	20.33	<=23.98	Pass
			13	18.83	1.39	20.22	<=23.98	Pass
			25	18.79	1.39	20.18	<=23.98	Pass
		50	0	18.83	1.39	20.22	<=23.98	Pass
		256QAM	2310	1	0	17.16	1.39	18.55
25	17.12				1.39	18.51	<=23.98	Pass
49	17.05				1.39	18.44	<=23.98	Pass
25	0			17.08	1.39	18.47	<=23.98	Pass
	13			16.98	1.39	18.37	<=23.98	Pass
	25			16.93	1.39	18.32	<=23.98	Pass
50	0			17.04	1.39	18.43	<=23.98	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Field Strength of Spurious Radiation

Test Band = LTE_30_TM1

Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3187.5	51.42	-44.02	28.48	-59.38	-40.00	19.38	Horizontal
2	4920.5	46.41	-42.42	30.94	-60.33	-40.00	20.33	Horizontal
3	6010.5	46.20	-40.68	33.11	-56.63	-40.00	16.63	Horizontal
4	7422.5	44.42	-37.88	36.75	-51.97	-40.00	11.97	Horizontal
5	11473.5	43.85	-34.64	40.23	-45.82	-40.00	5.82	Horizontal
6	16093.5	40.87	-28.17	38.09	-44.47	-40.00	4.47	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	3187.5	51.08	-44.02	28.48	-59.72	-40.00	19.72	Vertical
2	4781.5	47.24	-42.67	30.69	-60.00	-40.00	20.00	Vertical
3	7364.5	44.59	-38.16	36.56	-52.27	-40.00	12.27	Vertical
4	10879.5	43.64	-34.45	40.08	-45.99	-40.00	5.99	Vertical
5	14802	41.74	-32.50	41.59	-44.43	-40.00	4.43	Vertical
6	17979	40.73	-39.75	47.82	-46.46	-40.00	6.46	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---End of Attachment---