



Radiated Power (EIRP) for LTE Band 4 / 15M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	12.91	2.35	10.13	20.69	Horizontal	Pass
	1	0	Middle	12.79	2.36	10.16	20.59	Horizontal	Pass
	1	0	Highest	12.89	2.37	10.22	20.74	Horizontal	Pass
	1	0	Lowest	14.4	2.35	10.13	22.18	Vertical	Pass
	1	0	Middle	14.1	2.36	10.16	21.90	Vertical	Pass
	1	0	Highest	14.28	2.37	10.22	22.13	Vertical	Pass
16QAM	1	0	Lowest	12.62	2.35	10.13	20.40	Horizontal	Pass
	1	0	Middle	12.42	2.36	10.16	20.22	Horizontal	Pass
	1	0	Highest	12.71	2.37	10.22	20.56	Horizontal	Pass
	1	0	Lowest	14.1	2.35	10.13	21.88	Vertical	Pass
	1	0	Middle	13.85	2.36	10.16	21.65	Vertical	Pass
	1	0	Highest	14.07	2.37	10.22	21.92	Vertical	Pass
Limit	EIRP<1W=30dBm								

Radiated Power (EIRP) for LTE Band 4 / 20M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	13.07	2.35	10.13	20.85	Horizontal	Pass
	1	0	Middle	13.05	2.36	10.16	20.85	Horizontal	Pass
	1	0	Highest	13.04	2.37	10.22	20.89	Horizontal	Pass
	1	0	Lowest	14.47	2.35	10.13	22.25	Vertical	Pass
	1	0	Middle	14.54	2.36	10.16	22.34	Vertical	Pass
	1	0	Highest	14.45	2.37	10.22	22.30	Vertical	Pass
16QAM	1	0	Lowest	12.85	2.35	10.13	20.63	Horizontal	Pass
	1	0	Middle	12.89	2.36	10.16	20.69	Horizontal	Pass
	1	0	Highest	13	2.37	10.22	20.85	Horizontal	Pass
	1	0	Lowest	14.22	2.35	10.13	22.00	Vertical	Pass
	1	0	Middle	14.33	2.36	10.16	22.13	Vertical	Pass
	1	0	Highest	14.3	2.37	10.22	22.15	Vertical	Pass
Limit	EIRP<1W=30dBm								



Radiated Power (ERP) for LTE Band 5 / 1.4M										
Modulation	RB		Channel	Result					Polarization	Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Of Max. ERP	
QPSK	1	0	Lowest	18.88	1.27	6.70	2.15	22.16	Horizontal	Pass
	1	0	Middle	18.98	1.28	6.70	2.15	22.25	Horizontal	Pass
	1	0	Highest	19.05	1.29	6.70	2.15	22.31	Horizontal	Pass
	1	0	Lowest	20.25	1.27	6.70	2.15	23.53	Vertical	Pass
	1	0	Middle	20.38	1.28	6.70	2.15	23.65	Vertical	Pass
	1	0	Highest	20.44	1.29	6.70	2.15	23.70	Vertical	Pass
16QAM	1	0	Lowest	18.72	1.27	6.70	2.15	22.00	Horizontal	Pass
	1	0	Middle	18.82	1.28	6.70	2.15	22.09	Horizontal	Pass
	1	0	Highest	18.71	1.29	6.70	2.15	21.97	Horizontal	Pass
	1	0	Lowest	20.22	1.27	6.70	2.15	23.50	Vertical	Pass
	1	0	Middle	20.15	1.28	6.70	2.15	23.42	Vertical	Pass
	1	0	Highest	20.2	1.29	6.70	2.15	23.46	Vertical	Pass
Limit	ERP<7W=38.45dBm									

Radiated Power (ERP) for LTE Band 5 / 3M										
Modulation	RB		Channel	Result					Polarization	Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Of Max. ERP	
QPSK	1	0	Lowest	18.82	1.27	6.70	2.15	22.10	Horizontal	Pass
	1	0	Middle	19.13	1.28	6.70	2.15	22.40	Horizontal	Pass
	1	0	Highest	19.2	1.29	6.70	2.15	22.46	Horizontal	Pass
	1	0	Lowest	20.24	1.27	6.70	2.15	23.52	Vertical	Pass
	1	0	Middle	20.53	1.28	6.70	2.15	23.80	Vertical	Pass
	1	0	Highest	20.54	1.29	6.70	2.15	23.80	Vertical	Pass
16QAM	1	0	Lowest	18.52	1.27	6.70	2.15	21.80	Horizontal	Pass
	1	0	Middle	18.74	1.28	6.70	2.15	22.01	Horizontal	Pass
	1	0	Highest	18.84	1.29	6.70	2.15	22.10	Horizontal	Pass
	1	0	Lowest	19.89	1.27	6.70	2.15	23.17	Vertical	Pass
	1	0	Middle	20.18	1.28	6.70	2.15	23.45	Vertical	Pass
	1	0	Highest	20.17	1.29	6.70	2.15	23.43	Vertical	Pass
Limit	ERP<7W=38.45dBm									



Radiated Power (ERP) for LTE Band 5 / 5M										
Modulation	RB		Channel	Result						Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Polarization Of Max. ERP	
QPSK	1	0	Lowest	19.04	1.27	6.70	2.15	22.32	Horizontal	Pass
	1	0	Middle	19.08	1.28	6.70	2.15	22.35	Horizontal	Pass
	1	0	Highest	19.4	1.29	6.70	2.15	22.66	Horizontal	Pass
	1	0	Lowest	20.39	1.27	6.70	2.15	23.67	Vertical	Pass
	1	0	Middle	20.52	1.28	6.70	2.15	23.79	Vertical	Pass
	1	0	Highest	20.7	1.29	6.70	2.15	23.96	Vertical	Pass
16QAM	1	0	Lowest	18.76	1.27	6.70	2.15	22.04	Horizontal	Pass
	1	0	Middle	18.8	1.28	6.70	2.15	22.07	Horizontal	Pass
	1	0	Highest	19.18	1.29	6.70	2.15	22.44	Horizontal	Pass
	1	0	Lowest	20.13	1.27	6.70	2.15	23.41	Vertical	Pass
	1	0	Middle	20.17	1.28	6.70	2.15	23.44	Vertical	Pass
	1	0	Highest	20.5	1.29	6.70	2.15	23.76	Vertical	Pass
Limit	ERP<7W=38.45dBm									

Radiated Power (ERP) for LTE Band 5 / 10M										
Modulation	RB		Channel	Result						Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Polarization Of Max. ERP	
QPSK	1	0	Lowest	19.36	1.27	6.70	2.15	22.64	Horizontal	Pass
	1	0	Middle	19.41	1.28	6.70	2.15	22.68	Horizontal	Pass
	1	0	Highest	19.37	1.29	6.70	2.15	22.63	Horizontal	Pass
	1	0	Lowest	20.7	1.27	6.70	2.15	23.98	Vertical	Pass
	1	0	Middle	20.71	1.28	6.70	2.15	23.98	Vertical	Pass
	1	0	Highest	20.78	1.29	6.70	2.15	24.04	Vertical	Pass
16QAM	1	0	Lowest	19.07	1.27	6.70	2.15	22.35	Horizontal	Pass
	1	0	Middle	19.12	1.28	6.70	2.15	22.39	Horizontal	Pass
	1	0	Highest	19.04	1.29	6.70	2.15	22.30	Horizontal	Pass
	1	0	Lowest	20.48	1.27	6.70	2.15	23.76	Vertical	Pass
	1	0	Middle	20.49	1.28	6.70	2.15	23.76	Vertical	Pass
	1	0	Highest	20.46	1.29	6.70	2.15	23.72	Vertical	Pass
Limit	ERP<7W=38.45dBm									



Radiated Power (ERP) for LTE Band 12 / 1.4M										
Modulation	RB		Channel	Result					Polarization	Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Of Max. ERP	
QPSK	1	0	Lowest	18.25	1.21	6.40	2.15	21.29	Horizontal	Pass
	1	0	Middle	18.35	1.22	6.40	2.15	21.38	Horizontal	Pass
	1	0	Highest	18.29	1.23	6.40	2.15	21.31	Horizontal	Pass
	1	0	Lowest	19.73	1.21	6.40	2.15	22.77	Vertical	Pass
	1	0	Middle	19.84	1.22	6.40	2.15	22.87	Vertical	Pass
	1	0	Highest	19.75	1.23	6.40	2.15	22.77	Vertical	Pass
16QAM	1	0	Lowest	18.1	1.21	6.40	2.15	21.14	Horizontal	Pass
	1	0	Middle	18.38	1.22	6.40	2.15	21.41	Horizontal	Pass
	1	0	Highest	18.06	1.23	6.40	2.15	21.08	Horizontal	Pass
	1	0	Lowest	19.5	1.21	6.40	2.15	22.54	Vertical	Pass
	1	0	Middle	19.74	1.22	6.40	2.15	22.77	Vertical	Pass
	1	0	Highest	19.5	1.23	6.40	2.15	22.52	Vertical	Pass
Limit	ERP<3W=34.77dBm									

Radiated Power (ERP) for LTE Band 12 / 3M										
Modulation	RB		Channel	Result					Polarization	Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Of Max. ERP	
QPSK	1	0	Lowest	18	1.21	6.40	2.15	21.04	Horizontal	Pass
	1	0	Middle	18.15	1.22	6.40	2.15	21.18	Horizontal	Pass
	1	0	Highest	18.12	1.23	6.40	2.15	21.14	Horizontal	Pass
	1	0	Lowest	19.42	1.21	6.40	2.15	22.46	Vertical	Pass
	1	0	Middle	19.53	1.22	6.40	2.15	22.56	Vertical	Pass
	1	0	Highest	19.62	1.23	6.40	2.15	22.64	Vertical	Pass
16QAM	1	0	Lowest	17.99	1.21	6.40	2.15	21.03	Horizontal	Pass
	1	0	Middle	17.95	1.22	6.40	2.15	20.98	Horizontal	Pass
	1	0	Highest	18.02	1.23	6.40	2.15	21.04	Horizontal	Pass
	1	0	Lowest	19.32	1.21	6.40	2.15	22.36	Vertical	Pass
	1	0	Middle	19.37	1.22	6.40	2.15	22.40	Vertical	Pass
	1	0	Highest	19.38	1.23	6.40	2.15	22.40	Vertical	Pass
Limit	ERP<3W=34.77dBm									



Radiated Power (ERP) for LTE Band 12 / 5M										
Modulation	RB		Channel	Result						Conclusion
				S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Polarization	
	Size	Offset							Of Max. ERP	
QPSK	1	0	Lowest	18.53	1.21	6.40	2.15	21.57	Horizontal	Pass
	1	0	Middle	18.27	1.22	6.40	2.15	21.30	Horizontal	Pass
	1	0	Highest	18.22	1.23	6.40	2.15	21.24	Horizontal	Pass
	1	0	Lowest	19.86	1.21	6.40	2.15	22.90	Vertical	Pass
	1	0	Middle	19.62	1.22	6.40	2.15	22.65	Vertical	Pass
	1	0	Highest	19.56	1.23	6.40	2.15	22.58	Vertical	Pass
16QAM	1	0	Lowest	18.23	1.21	6.40	2.15	21.27	Horizontal	Pass
	1	0	Middle	18.07	1.22	6.40	2.15	21.10	Horizontal	Pass
	1	0	Highest	17.99	1.23	6.40	2.15	21.01	Horizontal	Pass
	1	0	Lowest	19.63	1.21	6.40	2.15	22.67	Vertical	Pass
	1	0	Middle	19.55	1.22	6.40	2.15	22.58	Vertical	Pass
	1	0	Highest	19.36	1.23	6.40	2.15	22.38	Vertical	Pass
Limit	ERP<3W=34.77dBm									

Radiated Power (ERP) for LTE Band 12 / 10M										
Modulation	RB		Channel	Result					Conclusion	
				S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)		Polarization
	Size	Offset								Of Max. ERP
QPSK	1	0	Lowest	18.68	1.21	6.40	2.15	21.72	Horizontal	Pass
	1	0	Middle	18.58	1.22	6.40	2.15	21.61	Horizontal	Pass
	1	0	Highest	18.63	1.23	6.40	2.15	21.65	Horizontal	Pass
	1	0	Lowest	19.99	1.21	6.40	2.15	23.03	Vertical	Pass
	1	0	Middle	19.94	1.22	6.40	2.15	22.97	Vertical	Pass
	1	0	Highest	20.08	1.23	6.40	2.15	23.10	Vertical	Pass
16QAM	1	0	Lowest	18.32	1.21	6.40	2.15	21.36	Horizontal	Pass
	1	0	Middle	18.35	1.22	6.40	2.15	21.38	Horizontal	Pass
	1	0	Highest	18.4	1.23	6.40	2.15	21.42	Horizontal	Pass
	1	0	Lowest	19.73	1.21	6.40	2.15	22.77	Vertical	Pass
	1	0	Middle	19.68	1.22	6.40	2.15	22.71	Vertical	Pass
	1	0	Highest	19.78	1.23	6.40	2.15	22.80	Vertical	Pass
Limit	ERP<3W=34.77dBm									



Radiated Power (ERP) for LTE Band 13 / 5M										
Modulation	RB		Channel	Result					Polarization	Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Of Max. ERP	
QPSK	1	0	Lowest	15.56	1.21	6.40	2.15	18.60	Horizontal	Pass
	1	0	Middle	15.74	1.22	6.40	2.15	18.77	Horizontal	Pass
	1	0	Highest	15.68	1.23	6.40	2.15	18.70	Horizontal	Pass
	1	0	Lowest	16.99	1.21	6.40	2.15	20.03	Vertical	Pass
	1	0	Middle	17.07	1.22	6.40	2.15	20.10	Vertical	Pass
	1	0	Highest	17.08	1.23	6.40	2.15	20.10	Vertical	Pass
16QAM	1	0	Lowest	15.46	1.21	6.40	2.15	18.50	Horizontal	Pass
	1	0	Middle	15.3	1.22	6.40	2.15	18.33	Horizontal	Pass
	1	0	Highest	15.42	1.23	6.40	2.15	18.44	Horizontal	Pass
	1	0	Lowest	16.79	1.21	6.40	2.15	19.83	Vertical	Pass
	1	0	Middle	16.76	1.22	6.40	2.15	19.79	Vertical	Pass
	1	0	Highest	16.85	1.23	6.40	2.15	19.87	Vertical	Pass
Limit	ERP<3W=34.77dBm									

Radiated Power (ERP) for LTE Band 13 / 10M										
Modulation	RB		Channel	Result					Polarization	Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Of Max. ERP	
QPSK	1	0	Middle	16.29	1.22	6.40	2.15	19.32	Horizontal	Pass
	1	0	Middle	17.7	1.22	6.40	2.15	20.73	Vertical	Pass
16QAM	1	0	Middle	16.19	1.22	6.40	2.15	19.22	Horizontal	Pass
	1	0	Middle	17.62	1.22	6.40	2.15	20.65	Vertical	Pass
Limit	ERP<3W=34.77dBm									



Radiated Power (EIRP) for LTE Band 25 / 1.4M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I. R.P(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	12.49	2.37	10.40	20.52	Horizontal	Pass
	1	0	Middle	12.34	2.39	10.42	20.37	Horizontal	Pass
	1	0	Highest	12.46	2.40	10.44	20.50	Horizontal	Pass
	1	0	Lowest	13.86	2.37	10.40	21.89	Vertical	Pass
	1	0	Middle	13.68	2.39	10.42	21.71	Vertical	Pass
	1	0	Highest	13.92	2.40	10.44	21.96	Vertical	Pass
16QAM	1	0	Lowest	12.25	2.37	10.40	20.28	Horizontal	Pass
	1	0	Middle	12.2	2.39	10.42	20.23	Horizontal	Pass
	1	0	Highest	12.12	2.40	10.44	20.16	Horizontal	Pass
	1	0	Lowest	13.6	2.37	10.40	21.63	Vertical	Pass
	1	0	Middle	13.51	2.39	10.42	21.54	Vertical	Pass
	1	0	Highest	13.55	2.40	10.44	21.59	Vertical	Pass
Limit	EIRP<2W=33dBm								

Radiated Power (EIRP) for LTE Band 25 / 3M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I. R.P(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	12.23	2.37	10.40	20.26	Horizontal	Pass
	1	0	Middle	12.03	2.39	10.42	20.06	Horizontal	Pass
	1	0	Highest	12.32	2.40	10.44	20.36	Horizontal	Pass
	1	0	Lowest	13.56	2.37	10.40	21.59	Vertical	Pass
	1	0	Middle	13.53	2.39	10.42	21.56	Vertical	Pass
	1	0	Highest	13.73	2.40	10.44	21.77	Vertical	Pass
16QAM	1	0	Lowest	11.93	2.37	10.40	19.96	Horizontal	Pass
	1	0	Middle	12.08	2.39	10.42	20.11	Horizontal	Pass
	1	0	Highest	12.11	2.40	10.44	20.15	Horizontal	Pass
	1	0	Lowest	13.25	2.37	10.40	21.28	Vertical	Pass
	1	0	Middle	13.4	2.39	10.42	21.43	Vertical	Pass
	1	0	Highest	13.49	2.40	10.44	21.53	Vertical	Pass
Limit	EIRP<2W=33dBm								



Radiated Power (EIRP) for LTE Band 25 / 5M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I. R.P(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	11.95	2.37	10.40	19.98	Horizontal	Pass
	1	0	Middle	12.1	2.39	10.42	20.13	Horizontal	Pass
	1	0	Highest	12.13	2.40	10.44	20.17	Horizontal	Pass
	1	0	Lowest	13.44	2.37	10.40	21.47	Vertical	Pass
	1	0	Middle	13.53	2.39	10.42	21.56	Vertical	Pass
	1	0	Highest	13.5	2.40	10.44	21.54	Vertical	Pass
16QAM	1	0	Lowest	11.81	2.37	10.40	19.84	Horizontal	Pass
	1	0	Middle	11.81	2.39	10.42	19.84	Horizontal	Pass
	1	0	Highest	11.79	2.40	10.44	19.83	Horizontal	Pass
	1	0	Lowest	13.13	2.37	10.40	21.16	Vertical	Pass
	1	0	Middle	13.31	2.39	10.42	21.34	Vertical	Pass
	1	0	Highest	13.25	2.40	10.44	21.29	Vertical	Pass
Limit	EIRP<2W=33dBm								

Radiated Power (EIRP) for LTE Band 25 / 10M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I. R.P(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	12.63	2.37	10.40	20.66	Horizontal	Pass
	1	0	Middle	12.28	2.39	10.42	20.31	Horizontal	Pass
	1	0	Highest	12.44	2.40	10.44	20.48	Horizontal	Pass
	1	0	Lowest	13.93	2.37	10.40	21.96	Vertical	Pass
	1	0	Middle	13.67	2.39	10.42	21.70	Vertical	Pass
	1	0	Highest	13.88	2.40	10.44	21.92	Vertical	Pass
16QAM	1	0	Lowest	12.24	2.37	10.40	20.27	Horizontal	Pass
	1	0	Middle	11.98	2.39	10.42	20.01	Horizontal	Pass
	1	0	Highest	12.24	2.40	10.44	20.28	Horizontal	Pass
	1	0	Lowest	13.64	2.37	10.40	21.67	Vertical	Pass
	1	0	Middle	13.43	2.39	10.42	21.46	Vertical	Pass
	1	0	Highest	13.69	2.40	10.44	21.73	Vertical	Pass
Limit	EIRP<2W=33dBm								



Radiated Power (EIRP) for LTE Band 25 / 15M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I. R.P(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	12.46	2.37	10.40	20.49	Horizontal	Pass
	1	0	Middle	12.41	2.39	10.42	20.44	Horizontal	Pass
	1	0	Highest	12.48	2.40	10.44	20.52	Horizontal	Pass
	1	0	Lowest	13.8	2.37	10.40	21.83	Vertical	Pass
	1	0	Middle	13.75	2.39	10.42	21.78	Vertical	Pass
	1	0	Highest	13.94	2.40	10.44	21.98	Vertical	Pass
16QAM	1	0	Lowest	11.98	2.37	10.40	20.01	Horizontal	Pass
	1	0	Middle	12.29	2.39	10.42	20.32	Horizontal	Pass
	1	0	Highest	12.34	2.40	10.44	20.38	Horizontal	Pass
	1	0	Lowest	13.42	2.37	10.40	21.45	Vertical	Pass
	1	0	Middle	13.6	2.39	10.42	21.63	Vertical	Pass
	1	0	Highest	13.7	2.40	10.44	21.74	Vertical	Pass
Limit	EIRP<2W=33dBm								

Radiated Power (EIRP) for LTE Band 25 / 20M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I. R.P(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	12.54	2.37	10.40	20.57	Horizontal	Pass
	1	0	Middle	12.69	2.39	10.42	20.72	Horizontal	Pass
	1	0	Highest	12.74	2.40	10.44	20.78	Horizontal	Pass
	1	0	Lowest	13.99	2.37	10.40	22.02	Vertical	Pass
	1	0	Middle	14.16	2.39	10.42	22.19	Vertical	Pass
	1	0	Highest	14.13	2.40	10.44	22.17	Vertical	Pass
16QAM	1	0	Lowest	12.39	2.37	10.40	20.42	Horizontal	Pass
	1	0	Middle	12.59	2.39	10.42	20.62	Horizontal	Pass
	1	0	Highest	12.47	2.40	10.44	20.51	Horizontal	Pass
	1	0	Lowest	13.74	2.37	10.40	21.77	Vertical	Pass
	1	0	Middle	13.93	2.39	10.42	21.96	Vertical	Pass
	1	0	Highest	13.82	2.40	10.44	21.86	Vertical	Pass
Limit	EIRP<2W=33dBm								



Radiated Power (ERP) for LTE Band 26(Part 22) / 1.4M										
Modulation	RB		Channel	Result						Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Polarization Of Max. ERP	
QPSK	1	0	Lowest	15.53	2.35	10.13	2.15	21.16	Horizontal	Pass
	1	0	Middle	15.3	2.36	10.16	2.15	20.95	Horizontal	Pass
	1	0	Highest	15.44	2.37	10.22	2.15	21.14	Horizontal	Pass
	1	0	Lowest	16.9	2.35	10.13	2.15	22.53	Vertical	Pass
	1	0	Middle	16.72	2.36	10.16	2.15	22.37	Vertical	Pass
	1	0	Highest	16.83	2.37	10.22	2.15	22.53	Vertical	Pass
16QAM	1	0	Lowest	15.2	2.35	10.13	2.15	20.83	Horizontal	Pass
	1	0	Middle	15.11	2.36	10.16	2.15	20.76	Horizontal	Pass
	1	0	Highest	15.14	2.37	10.22	2.15	20.84	Horizontal	Pass
	1	0	Lowest	16.56	2.35	10.13	2.15	22.19	Vertical	Pass
	1	0	Middle	16.53	2.36	10.16	2.15	22.18	Vertical	Pass
	1	0	Highest	16.5	2.37	10.22	2.15	22.20	Vertical	Pass
Limit	ERP<7W=38.45dBm									

Radiated Power (ERP) for LTE Band 26(Part 22) / 3M										
Modulation	RB		Channel	Result						Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Polarization Of Max. ERP	
QPSK	1	0	Lowest	15	2.35	10.13	2.15	20.63	Horizontal	Pass
	1	0	Middle	15.07	2.36	10.16	2.15	20.72	Horizontal	Pass
	1	0	Highest	15.28	2.37	10.22	2.15	20.98	Horizontal	Pass
	1	0	Lowest	16.44	2.35	10.13	2.15	22.07	Vertical	Pass
	1	0	Middle	16.55	2.36	10.16	2.15	22.20	Vertical	Pass
	1	0	Highest	16.61	2.37	10.22	2.15	22.31	Vertical	Pass
16QAM	1	0	Lowest	14.81	2.35	10.13	2.15	20.44	Horizontal	Pass
	1	0	Middle	14.82	2.36	10.16	2.15	20.47	Horizontal	Pass
	1	0	Highest	14.91	2.37	10.22	2.15	20.61	Horizontal	Pass
	1	0	Lowest	16.19	2.35	10.13	2.15	21.82	Vertical	Pass
	1	0	Middle	16.26	2.36	10.16	2.15	21.91	Vertical	Pass
	1	0	Highest	16.38	2.37	10.22	2.15	22.08	Vertical	Pass
Limit	ERP<7W=38.45dBm									



Radiated Power (ERP) for LTE Band 26(Part 22) / 5M										
Modulation	RB		Channel	Result						Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Polarization Of Max. ERP	
QPSK	1	0	Lowest	15.27	2.35	10.13	2.15	20.90	Horizontal	Pass
	1	0	Middle	15.4	2.36	10.16	2.15	21.05	Horizontal	Pass
	1	0	Highest	15.4	2.37	10.22	2.15	21.10	Horizontal	Pass
	1	0	Lowest	16.59	2.35	10.13	2.15	22.22	Vertical	Pass
	1	0	Middle	16.72	2.36	10.16	2.15	22.37	Vertical	Pass
	1	0	Highest	16.72	2.37	10.22	2.15	22.42	Vertical	Pass
16QAM	1	0	Lowest	14.82	2.35	10.13	2.15	20.45	Horizontal	Pass
	1	0	Middle	15.05	2.36	10.16	2.15	20.70	Horizontal	Pass
	1	0	Highest	15.01	2.37	10.22	2.15	20.71	Horizontal	Pass
	1	0	Lowest	16.31	2.35	10.13	2.15	21.94	Vertical	Pass
	1	0	Middle	16.45	2.36	10.16	2.15	22.10	Vertical	Pass
	1	0	Highest	16.44	2.37	10.22	2.15	22.14	Vertical	Pass
Limit	ERP<7W=38.45dBm									

Radiated Power (ERP) for LTE Band 26(Part 22) / 10M										
Modulation	RB		Channel	Result						Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Polarization Of Max. ERP	
QPSK	1	0	Lowest	15	2.35	10.13	2.15	20.63	Horizontal	Pass
	1	0	Middle	15.13	2.36	10.16	2.15	20.78	Horizontal	Pass
	1	0	Highest	14.61	2.37	10.22	2.15	20.31	Horizontal	Pass
	1	0	Lowest	16.48	2.35	10.13	2.15	22.11	Vertical	Pass
	1	0	Middle	16.44	2.36	10.16	2.15	22.09	Vertical	Pass
	1	0	Highest	16.03	2.37	10.22	2.15	21.73	Vertical	Pass
16QAM	1	0	Lowest	14.82	2.35	10.13	2.15	20.45	Horizontal	Pass
	1	0	Middle	14.87	2.36	10.16	2.15	20.52	Horizontal	Pass
	1	0	Highest	14.3	2.37	10.22	2.15	20.00	Horizontal	Pass
	1	0	Lowest	16.18	2.35	10.13	2.15	21.81	Vertical	Pass
	1	0	Middle	16.22	2.36	10.16	2.15	21.87	Vertical	Pass
	1	0	Highest	15.78	2.37	10.22	2.15	21.48	Vertical	Pass
Limit	ERP<7W=38.45dBm									



Radiated Power (ERP) for LTE Band 26(Part 22) / 15M										
Modulation	RB		Channel	Result						Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Polarization Of Max. ERP	
QPSK	1	0	Lowest	15.59	2.35	10.13	2.15	21.22	Horizontal	Pass
	1	0	Middle	15.39	2.36	10.16	2.15	21.04	Horizontal	Pass
	1	0	Highest	15.41	2.37	10.22	2.15	21.11	Horizontal	Pass
	1	0	Lowest	16.94	2.35	10.13	2.15	22.57	Vertical	Pass
	1	0	Middle	16.83	2.36	10.16	2.15	22.48	Vertical	Pass
	1	0	Highest	16.87	2.37	10.22	2.15	22.57	Vertical	Pass
16QAM	1	0	Lowest	15.13	2.35	10.13	2.15	20.76	Horizontal	Pass
	1	0	Middle	15.19	2.36	10.16	2.15	20.84	Horizontal	Pass
	1	0	Highest	15.14	2.37	10.22	2.15	20.84	Horizontal	Pass
	1	0	Lowest	16.57	2.35	10.13	2.15	22.20	Vertical	Pass
	1	0	Middle	16.62	2.36	10.16	2.15	22.27	Vertical	Pass
	1	0	Highest	16.61	2.37	10.22	2.15	22.31	Vertical	Pass
Limit	ERP<7W=38.45dBm									



Radiated Power (ERP) for LTE Band 26(Part 90) / 1.4M										
Modulation	RB		Channel	Result						Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Polarization Of Max. ERP	
QPSK	1	0	Lowest	15.63	2.35	10.13	2.15	21.26	Horizontal	Pass
	1	0	Middle	15.48	2.36	10.16	2.15	21.13	Horizontal	Pass
	1	0	Highest	15.52	2.37	10.22	2.15	21.22	Horizontal	Pass
	1	0	Lowest	16.99	2.35	10.13	2.15	22.62	Vertical	Pass
	1	0	Middle	16.88	2.36	10.16	2.15	22.53	Vertical	Pass
	1	0	Highest	16.92	2.37	10.22	2.15	22.62	Vertical	Pass
16QAM	1	0	Lowest	15.25	2.35	10.13	2.15	20.88	Horizontal	Pass
	1	0	Middle	15.26	2.36	10.16	2.15	20.91	Horizontal	Pass
	1	0	Highest	15.24	2.37	10.22	2.15	20.94	Horizontal	Pass
	1	0	Lowest	16.69	2.35	10.13	2.15	22.32	Vertical	Pass
	1	0	Middle	16.57	2.36	10.16	2.15	22.22	Vertical	Pass
	1	0	Highest	16.64	2.37	10.22	2.15	22.34	Vertical	Pass
Limit	ERP<100W=50dBm									

Radiated Power (ERP) for LTE Band 26(Part 90) / 3M										
Modulation	RB		Channel	Result						Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Polarization Of Max. ERP	
QPSK	1	0	Lowest	15.73	2.35	10.13	2.15	21.36	Horizontal	Pass
	1	0	Middle	15.52	2.36	10.16	2.15	21.17	Horizontal	Pass
	1	0	Highest	15.59	2.37	10.22	2.15	21.29	Horizontal	Pass
	1	0	Lowest	17.04	2.35	10.13	2.15	22.67	Vertical	Pass
	1	0	Middle	16.98	2.36	10.16	2.15	22.63	Vertical	Pass
	1	0	Highest	16.89	2.37	10.22	2.15	22.59	Vertical	Pass
16QAM	1	0	Lowest	15.44	2.35	10.13	2.15	21.07	Horizontal	Pass
	1	0	Middle	15.25	2.36	10.16	2.15	20.90	Horizontal	Pass
	1	0	Highest	15.25	2.37	10.22	2.15	20.95	Horizontal	Pass
	1	0	Lowest	16.86	2.35	10.13	2.15	22.49	Vertical	Pass
	1	0	Middle	16.72	2.36	10.16	2.15	22.37	Vertical	Pass
	1	0	Highest	16.7	2.37	10.22	2.15	22.40	Vertical	Pass
Limit	ERP<100W=50dBm									



Radiated Power (ERP) for LTE Band 26(Part 90) / 5M										
Modulation	RB		Channel	Result						Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Polarization Of Max. ERP	
QPSK	1	0	Lowest	15.84	2.35	10.13	2.15	21.47	Horizontal	Pass
	1	0	Middle	15.67	2.36	10.16	2.15	21.32	Horizontal	Pass
	1	0	Highest	15.56	2.37	10.22	2.15	21.26	Horizontal	Pass
	1	0	Lowest	17.15	2.35	10.13	2.15	22.78	Vertical	Pass
	1	0	Middle	16.99	2.36	10.16	2.15	22.64	Vertical	Pass
	1	0	Highest	17.05	2.37	10.22	2.15	22.75	Vertical	Pass
16QAM	1	0	Lowest	15.52	2.35	10.13	2.15	21.15	Horizontal	Pass
	1	0	Middle	15.4	2.36	10.16	2.15	21.05	Horizontal	Pass
	1	0	Highest	15.44	2.37	10.22	2.15	21.14	Horizontal	Pass
	1	0	Lowest	16.88	2.35	10.13	2.15	22.51	Vertical	Pass
	1	0	Middle	16.85	2.36	10.16	2.15	22.50	Vertical	Pass
	1	0	Highest	16.74	2.37	10.22	2.15	22.44	Vertical	Pass
Limit	ERP<100W=50dBm									

Radiated Power (ERP) for LTE Band 26(Part 90) / 10M										
Modulation	RB		Channel	Result						Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	correction factor(dB)	PMeas E.R.P(dBm)	Polarization Of Max. ERP	
QPSK	1	0	Middle	15.97	2.36	10.16	2.15	21.62	Horizontal	Pass
	1	0	Middle	17.21	2.36	10.16	2.15	22.86	Vertical	Pass
16QAM	1	0	Middle	15.61	2.36	10.16	2.15	21.26	Horizontal	Pass
	1	0	Middle	16.83	2.36	10.16	2.15	22.48	Vertical	Pass
Limit	ERP<100W=50dBm									



Radiated Power (EIRP) for LTE Band 41 / 15M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	12.14	2.56	10.60	20.18	Horizontal	Pass
	1	0	Middle	11.97	2.67	10.65	19.95	Horizontal	Pass
	1	0	Highest	12.23	2.72	10.70	20.21	Horizontal	Pass
	1	0	Lowest	13.51	2.56	10.60	21.55	Vertical	Pass
	1	0	Middle	13.45	2.67	10.65	21.43	Vertical	Pass
	1	0	Highest	13.59	2.72	10.70	21.57	Vertical	Pass
16QAM	1	0	Lowest	11.81	2.56	10.60	19.85	Horizontal	Pass
	1	0	Middle	11.71	2.67	10.65	19.69	Horizontal	Pass
	1	0	Highest	12.1	2.72	10.70	20.08	Horizontal	Pass
	1	0	Lowest	13.16	2.56	10.60	21.20	Vertical	Pass
	1	0	Middle	13.2	2.67	10.65	21.18	Vertical	Pass
	1	0	Highest	13.45	2.72	10.70	21.43	Vertical	Pass
Limit	EIRP<2W=33dBm								

Radiated Power (EIRP) for LTE Band 41 / 20M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	12.28	2.56	10.60	20.32	Horizontal	Pass
	1	0	Middle	12.58	2.67	10.65	20.56	Horizontal	Pass
	1	0	Highest	12.56	2.72	10.70	20.54	Horizontal	Pass
	1	0	Lowest	13.72	2.56	10.60	21.76	Vertical	Pass
	1	0	Middle	13.96	2.67	10.65	21.94	Vertical	Pass
	1	0	Highest	13.88	2.72	10.70	21.86	Vertical	Pass
16QAM	1	0	Lowest	11.96	2.56	10.60	20.00	Horizontal	Pass
	1	0	Middle	12.29	2.67	10.65	20.27	Horizontal	Pass
	1	0	Highest	12.18	2.72	10.70	20.16	Horizontal	Pass
	1	0	Lowest	13.31	2.56	10.60	21.35	Vertical	Pass
	1	0	Middle	13.65	2.67	10.65	21.63	Vertical	Pass
	1	0	Highest	13.55	2.72	10.70	21.53	Vertical	Pass
Limit	EIRP<2W=33dBm								

Radiated Power (EIRP) for LTE Band 66 / 1.4M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	12.42	2.35	10.13	20.20	Horizontal	Pass
	1	0	Middle	12.3	2.36	10.16	20.10	Horizontal	Pass
	1	0	Highest	12.2	2.37	10.22	20.05	Horizontal	Pass
	1	0	Lowest	13.8	2.35	10.13	21.58	Vertical	Pass
	1	0	Middle	13.76	2.36	10.16	21.56	Vertical	Pass
	1	0	Highest	13.66	2.37	10.22	21.51	Vertical	Pass
16QAM	1	0	Lowest	12.09	2.35	10.13	19.87	Horizontal	Pass
	1	0	Middle	12.09	2.36	10.16	19.89	Horizontal	Pass
	1	0	Highest	12.03	2.37	10.22	19.88	Horizontal	Pass
	1	0	Lowest	13.47	2.35	10.13	21.25	Vertical	Pass
	1	0	Middle	13.49	2.36	10.16	21.29	Vertical	Pass
	1	0	Highest	13.44	2.37	10.22	21.29	Vertical	Pass
Limit	EIRP<1W=30dBm								



Radiated Power (EIRP) for LTE Band 66 / 3M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	12.06	2.35	10.13	19.84	Horizontal	Pass
	1	0	Middle	12.2	2.36	10.16	20.00	Horizontal	Pass
	1	0	Highest	12.13	2.37	10.22	19.98	Horizontal	Pass
	1	0	Lowest	13.48	2.35	10.13	21.26	Vertical	Pass
	1	0	Middle	13.66	2.36	10.16	21.46	Vertical	Pass
	1	0	Highest	13.55	2.37	10.22	21.40	Vertical	Pass
16QAM	1	0	Lowest	11.94	2.35	10.13	19.72	Horizontal	Pass
	1	0	Middle	11.91	2.36	10.16	19.71	Horizontal	Pass
	1	0	Highest	11.8	2.37	10.22	19.65	Horizontal	Pass
	1	0	Lowest	13.32	2.35	10.13	21.10	Vertical	Pass
	1	0	Middle	13.4	2.36	10.16	21.20	Vertical	Pass
	1	0	Highest	13.23	2.37	10.22	21.08	Vertical	Pass
Limit	EIRP<1W=30dBm								

Radiated Power (EIRP) for LTE Band 66 / 5M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	12.16	2.35	10.13	19.94	Horizontal	Pass
	1	0	Middle	12.23	2.36	10.16	20.03	Horizontal	Pass
	1	0	Highest	12.14	2.37	10.22	19.99	Horizontal	Pass
	1	0	Lowest	13.62	2.35	10.13	21.40	Vertical	Pass
	1	0	Middle	13.56	2.36	10.16	21.36	Vertical	Pass
	1	0	Highest	13.46	2.37	10.22	21.31	Vertical	Pass
16QAM	1	0	Lowest	11.83	2.35	10.13	19.61	Horizontal	Pass
	1	0	Middle	11.86	2.36	10.16	19.66	Horizontal	Pass
	1	0	Highest	11.86	2.37	10.22	19.71	Horizontal	Pass
	1	0	Lowest	13.32	2.35	10.13	21.10	Vertical	Pass
	1	0	Middle	13.33	2.36	10.16	21.13	Vertical	Pass
	1	0	Highest	13.25	2.37	10.22	21.10	Vertical	Pass
Limit	EIRP<1W=30dBm								

Radiated Power (EIRP) for LTE Band 66 / 10M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	12.06	2.35	10.13	19.84	Horizontal	Pass
	1	0	Middle	11.85	2.36	10.16	19.65	Horizontal	Pass
	1	0	Highest	11.8	2.37	10.22	19.65	Horizontal	Pass
	1	0	Lowest	13.48	2.35	10.13	21.26	Vertical	Pass
	1	0	Middle	13.28	2.36	10.16	21.08	Vertical	Pass
	1	0	Highest	13.27	2.37	10.22	21.12	Vertical	Pass
16QAM	1	0	Lowest	11.77	2.35	10.13	19.55	Horizontal	Pass
	1	0	Middle	11.6	2.36	10.16	19.40	Horizontal	Pass
	1	0	Highest	11.68	2.37	10.22	19.53	Horizontal	Pass
	1	0	Lowest	13.17	2.35	10.13	20.95	Vertical	Pass
	1	0	Middle	13.02	2.36	10.16	20.82	Vertical	Pass
	1	0	Highest	13.16	2.37	10.22	21.01	Vertical	Pass
Limit	EIRP<1W=30dBm								



Radiated Power (EIRP) for LTE Band 66 / 15M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	12.06	2.35	10.13	19.84	Horizontal	Pass
	1	0	Middle	12.13	2.36	10.16	19.93	Horizontal	Pass
	1	0	Highest	12.25	2.37	10.22	20.10	Horizontal	Pass
	1	0	Lowest	13.53	2.35	10.13	21.31	Vertical	Pass
	1	0	Middle	13.56	2.36	10.16	21.36	Vertical	Pass
	1	0	Highest	13.7	2.37	10.22	21.55	Vertical	Pass
16QAM	1	0	Lowest	12.05	2.35	10.13	19.83	Horizontal	Pass
	1	0	Middle	11.9	2.36	10.16	19.70	Horizontal	Pass
	1	0	Highest	11.84	2.37	10.22	19.69	Horizontal	Pass
	1	0	Lowest	13.37	2.35	10.13	21.15	Vertical	Pass
	1	0	Middle	13.37	2.36	10.16	21.17	Vertical	Pass
	1	0	Highest	13.33	2.37	10.22	21.18	Vertical	Pass
Limit	EIRP<1W=30dBm								

Radiated Power (EIRP) for LTE Band 66 / 20M									
Modulation	RB		Channel	Result					Conclusion
	Size	Offset		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization Of Max. EIRP	
QPSK	1	0	Lowest	12.57	2.35	10.13	20.35	Horizontal	Pass
	1	0	Middle	12.56	2.36	10.16	20.36	Horizontal	Pass
	1	0	Highest	12.36	2.37	10.22	20.21	Horizontal	Pass
	1	0	Lowest	13.92	2.35	10.13	21.70	Vertical	Pass
	1	0	Middle	13.91	2.36	10.16	21.71	Vertical	Pass
	1	0	Highest	13.85	2.37	10.22	21.70	Vertical	Pass
16QAM	1	0	Lowest	12.31	2.35	10.13	20.09	Horizontal	Pass
	1	0	Middle	12.24	2.36	10.16	20.04	Horizontal	Pass
	1	0	Highest	12.07	2.37	10.22	19.92	Horizontal	Pass
	1	0	Lowest	13.76	2.35	10.13	21.54	Vertical	Pass
	1	0	Middle	13.69	2.36	10.16	21.49	Vertical	Pass
	1	0	Highest	13.49	2.37	10.22	21.34	Vertical	Pass
Limit	EIRP<1W=30dBm								

6. OCCUPIED BANDWIDTH

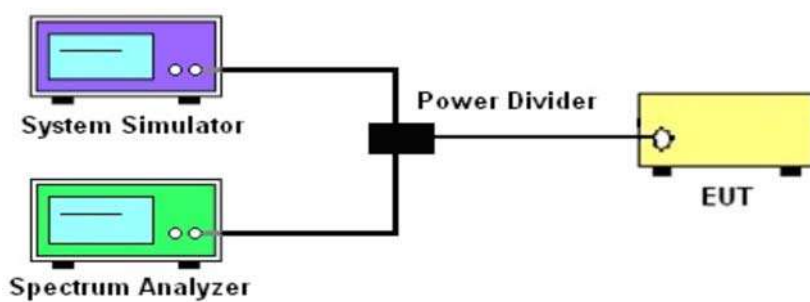
6.1 DESCRIPTION OF OCCUPIED BANDWIDTH MEASUREMENT

6.1.1 MEASUREMENT METHOD

1.The occupied bandwidth is the width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5% of the total mean transmitted power.

2.The 26 db emission bandwidth is defined as the frequency range between two points, one above and one below the carrier frequency, at which the spectral density of the emission is attenuated 26 db below the maximum in-band spectral density of the modulated signal. spectral density (power per unit bandwidth) is to be measured with a detector of resolution bandwidth equal to approximately 1.0% of the emission bandwidth.

6.1.2 TEST SETUP



6.1.3 TEST PROCEDURES

1. The testing follows FCC KDB 971168 D01 v03r01 Section 4.2 and 4.3.
2. The EUT was connected to spectrum and system simulator via a power divider.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Set the test probe and measure the Occupied Bandwidth of the spectrum analyzer.
5. Measure and record the Occupied Bandwidth from the Spectrum Analyzer.

	LTE					
LTE BW	1.4M	3M	5M	10M	15M	20M
Span	3MHz	6MHz	10MHz	20MHz	30MHz	40MHz
RBW	30kHz	30kHz	100kHz	100kHz	300kHz	300kHz
VBW	100kHz	100kHz	300kHz	300kHz	1000kHz	1000kHz
Detector	PK	PK	PK	PK	PK	PK
Trace	Max	Max	Max	Max	Max	Max
Sweep Count	Auto	Auto	Auto	Auto	Auto	Auto



6.1.4 MEASUREMENT RESULT

LTE Band 2 Bandwidth [MHz]							
BW [MHz]	Mode	Lowest		Middle		Highest	
		99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
1.4	QPSK	1.0969	1.311	1.1048	1.287	1.0952	1.303
1.4	16-QAM	1.102	1.31	1.093	1.277	1.097	1.301
3	QPSK	2.689	2.921	2.683	2.925	2.683	2.925
3	16-QAM	2.682	2.953	2.6812	2.929	2.679	2.932
5	QPSK	4.505	5.027	4.502	4.991	4.518	5.006
5	16-QAM	4.5	5.024	4.533	5.044	4.5084	5.039
10	QPSK	8.912	9.626	8.93	9.732	8.907	9.626
10	16-QAM	8.912	9.61	8.927	9.637	8.9	9.61
15	QPSK	13.367	14.54	13.431	14.66	13.446	14.65
15	16-QAM	13.422	14.58	13.438	14.58	13.44	14.63
20	QPSK	17.832	19.12	17.875	19.35	17.883	19.24
20	16-QAM	17.875	19.22	17.858	19.29	17.899	19.3

LTE Band 4 Bandwidth [MHz]							
BW [MHz]	Mode	Lowest		Middle		Highest	
		99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
1.4	QPSK	1.1	1.321	1.1046	1.284	1.096	1.305
1.4	16-QAM	1.0991	1.312	1.094	1.272	1.095	1.32
3	QPSK	2.686	2.92	2.683	2.938	2.6831	2.926
3	16-QAM	2.683	2.942	2.682	2.934	2.68	2.923
5	QPSK	4.508	5.025	4.5	4.991	4.517	5.019
5	16-QAM	4.504	5.013	4.526	5.023	4.5198	5.033
10	QPSK	8.915	9.641	8.93	9.649	8.934	9.75
10	16-QAM	8.92	9.584	8.926	9.667	8.926	9.634
15	QPSK	13.378	14.57	13.436	14.77	13.447	14.83
15	16-QAM	13.43	14.59	13.458	14.65	13.444	14.75
20	QPSK	17.815	19.11	17.898	19.41	17.865	19.115
20	16-QAM	17.877	19.21	17.891	19.35	17.861	19.27

LTE Band 5 Bandwidth [MHz]							
BW [MHz]	Mode	Lowest		Middle		Highest	
		99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
1.4	QPSK	1.0989	1.304	1.108	1.292	1.098	1.327
1.4	16-QAM	1.099	1.307	1.094	1.285	1.099	1.291
3	QPSK	2.6833	2.914	2.69	2.942	2.684	2.932
3	16-QAM	2.681	2.926	2.681	2.942	2.6776	2.925
5	QPSK	4.507	5.023	4.498	5.025	4.504	4.981
5	16-QAM	4.502	5.01	4.526	4.988	4.501	4.99
10	QPSK	8.914	9.609	8.907	9.611	8.902	9.636
10	16-QAM	8.916	9.547	8.914	9.591	8.899	9.608



LTE Band 12 Bandwidth [MHz]							
BW [MHz]	Mode	Lowest		Middle		Highest	
		99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
1.4	QPSK	1.0986	1.313	1.106	1.286	1.0971	1.307
1.4	16-QAM	1.098	1.304	1.094	1.276	1.0969	1.296
3	QPSK	2.68	2.916	2.6892	2.921	2.684	2.938
3	16-QAM	2.679	2.927	2.682	2.95	2.683	2.924
5	QPSK	4.498	4.988	4.505	5.002	4.521	5.019
5	16-QAM	4.493	4.97	4.534	5.038	4.514	5.028
10	QPSK	8.914	9.609	8.947	9.738	8.908	9.676
10	16-QAM	8.918	9.611	8.94	9.665	8.901	9.595
LTE Band 13 Bandwidth [MHz]							
BW [MHz]	Mode	Lowest		Middle		Highest	
		99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
5	QPSK	4.531	5.032	4.516	5.02	4.5	4.984
5	16-QAM	4.531	5.065	4.5099	5.014	4.521	5.038
10	QPSK	N/A	N/A	8.966	9.758	N/A	N/A
10	16-QAM	N/A	N/A	8.946	9.758	N/A	N/A
LTE Band 25 Bandwidth [MHz]							
BW [MHz]	Mode	Lowest		Middle		Highest	
		99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
1.4	QPSK	1.101	1.316	1.104	1.281	1.0967	1.296
1.4	16-QAM	1.0926	1.278	1.0966	1.303	1.03	1.325
3	QPSK	2.689	2.924	2.684	2.927	2.686	2.93
3	16-QAM	2.6833	2.936	2.6814	2.928	2.685	2.923
5	QPSK	4.506	5.005	4.495	4.997	4.531	5.01
5	16-QAM	4.525	5.01	4.524	5.058	4.5122	5.019
10	QPSK	8.912	9.721	8.905	9.669	8.903	9.628
10	16-QAM	8.903	9.565	8.922	9.651	8.895	9.593
15	QPSK	13.368	14.53	13.422	14.67	13.371	14.63
15	16-QAM	13.406	14.55	13.408	14.68	13.369	14.52
20	QPSK	17.803	19.13	17.845	19.31	17.798	18.95
20	16-QAM	17.838	19.17	17.808	19.17	17.832	19.04
LTE Band 26(Part 22) Bandwidth [MHz]							
BW [MHz]	Mode	Lowest		Middle		Highest	
		99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
1.4	QPSK	1.096	1.311	1.0985	1.341	1.108	1.288
1.4	16-QAM	1.1	1.308	1.095	1.29	1.1	1.32
3	QPSK	2.683	2.922	2.684	2.945	2.682	2.933
3	16-QAM	2.681	2.913	2.681	2.939	2.68	2.914
5	QPSK	4.509	5.008	4.499	5.014	4.5	4.977
5	16-QAM	4.504	5.008	4.53	5.021	4.509	5
10	QPSK	8.916	9.608	8.904	9.601	8.918	9.7
10	16-QAM	8.905	9.533	8.918	9.583	8.903	9.6
15	QPSK	13.364	14.55	13.426	14.64	13.443	14.67
15	16-QAM	13.378	14.56	13.445	14.59	13.48	14.67



LTE Band 26(Part 90) Bandwidth [MHz]							
BW [MHz]	Mode	Lowest		Middle		Highest	
		99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
1.4	QPSK	1.096	1.312	1.104	1.293	1.0968	1.325
1.4	16-QAM	1.094	1.293	1.097	1.311	1.0992	1.305
3	QPSK	2.687	2.914	2.681	2.946	2.683	2.931
3	16-QAM	2.68	2.939	2.68	2.927	2.6791	2.939
5	QPSK	4.501	5.005	4.502	5.019	4.527	5.017
5	4.5084	4.5084	5.008	4.5259	5.027	4.506	5.017
10	QPSK	N/A	N/A	8.923	9.747	N/A	N/A
10	16-QAM	N/A	N/A	8.9253	11.77	N/A	N/A
LTE Band 41 Bandwidth [MHz]							
BW [MHz]	Mode	Lowest		Middle		Highest	
		99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
5	QPSK	4.52	4.996	4.502	5	4.501	5.021
5	16-QAM	4.505	5.096	4.511	5.06	4.5019	4.958
10	QPSK	8.932	10.05	8.9352	9.759	8.924	9.664
10	16-QAM	8.939	9.598	8.924	9.507	8.91	9.623
15	QPSK	13.439	14.63	13.439	16.39	13.472	15.35
15	16-QAM	13.49	15.24	13.482	14.79	13.45	14.66
20	QPSK	17.876	19.32	17.865	19.82	17.899	19.08
20	16-QAM	17.873	20.24	17.85	19.93	17.864	19.22
LTE Band 66 Bandwidth [MHz]							
BW [MHz]	Mode	Lowest		Middle		Highest	
		99% BW	26dB BW	99% BW	26dB BW	99% BW	26dB BW
1.4	QPSK	1.106	1.285	1.0948	1.295	1.1005	1.325
1.4	16-QAM	1.093	1.315	1.093	1.275	1.098	1.327
3	QPSK	2.689	2.926	2.684	2.941	2.6833	2.918
3	16-QAM	2.6812	2.948	2.6812	2.917	2.68	2.946
5	QPSK	4.504	4.988	4.501	4.996	4.524	5.02
5	16-QAM	4.5	5.009	4.527	5.034	4.531	5.039
10	QPSK	8.912	9.612	8.93	9.678	8.933	9.771
10	16-QAM	8.911	9.666	8.918	9.633	8.93	9.666
15	QPSK	13.378	14.54	13.422	14.77	13.437	14.76
15	16-QAM	13.416	14.65	13.442	14.67	13.43	14.72
20	QPSK	17.824	19.17	17.889	19.46	17.835	19.14
20	16-QAM	17.87	19.3	17.877	19.37	17.807	19.21

Note: Test chart See Appendix A



7. CONDUCTED BAND EDGE

7.1 DESCRIPTION OF CONDUCTED BAND EDGE MEASUREMENT

7.1.1 MEASUREMENT METHOD

1. §22.917(a)

For operations in the 824 – 849 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100kHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

2. §24.238 (a)

For operations in the 1850-1910 and 1930-1990 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1MHz bandwidth. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed

3. §27.53 (h)

For operations in the 1710 – 1755 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 1 MHz bandwidth. However, in the 1MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

4. §27.53(m)(4)

For operations in the 2496 MHz ~ 2690 MHz band this section, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

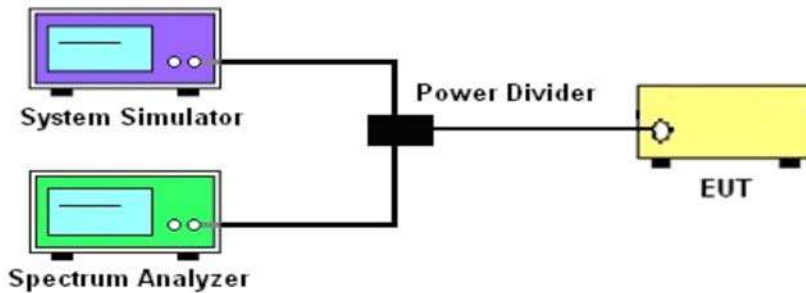
5. §27.53 (g)

For operations in the 698 -746 MHz band, the FCC limit is $43 + 10\log_{10}(P[\text{Watts}])$ dB below the transmitter power $P(\text{Watts})$ in a 100 kHz bandwidth. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

6. §90.691 (a)

For any frequency removed from the EA licensee's frequency block greater than 37.5 kHz, the power of any emission shall be attenuated below the transmitter power (P) in watts by at least $43 + 10\log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation, where f is the frequency removed from the center of the outer channel in the block in kilohertz and where f is greater than 37.5 kHz.

7.1.2 TEST SETUP



7.1.3 TEST PROCEDURES

1. The testing FCC KDB 971168 D01 v03r01 Section 6.0 and ANSI C63.26 2015 Section 5.7.
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The band edges of low and high channels for the highest RF powers were measured. Set RBW $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge.
4. Set spectrum analyzer with RMS/AVG detector.
5. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
6. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)]$ (dB)
 $= [30 + 10\log(P)]$ (dBm) - $[43 + 10\log(P)]$ (dB)
 $= -13$ dBm.

	LTE					
LTE BW	1.4M	3M	5M	10M	15M	20M
Span	12MHz	13MHz	15MHz	20MHz	25MHz	30MHz
RBW	30kHz	30kHz	100kHz	100kHz	300kHz	300kHz
VBW	100kHz	100kHz	300kHz	300kHz	1000kHz	1000kHz
Detector	RMS	RMS	RMS	RMS	RMS	RMS
Trace	Max	Max	Max	Max	Max	Max
Sweep Count	Auto	Auto	Auto	Auto	Auto	Auto

7.1.4 MEASUREMENT RESULT

Note: Test chart See Appendix B

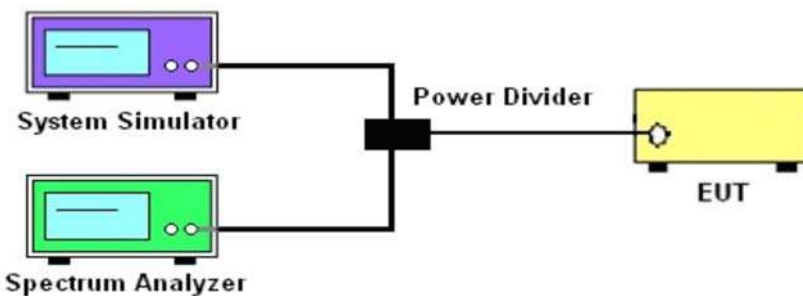
8. CONDUCTED SPURIOUS EMISSION

8.1 DESCRIPTION OF CONDUCTED SPURIOUS EMISSION MEASUREMENT

8.1.1 MEASUREMENT METHOD

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB. It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

8.1.2 TEST SETUP



8.1.3 TEST PROCEDURES

1. The testing FCC KDB 971168 D01 v03r01 Section 6.0 and ANSI C63.26 2015 Section 5.7.
2. The EUT was connected to spectrum analyzer and system simulator via a power divider.
3. The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement
4. Make the measurement with the spectrum analyzer's RBW = 1MHz, VBW = 3MHz, taking the record of maximum spurious emission.
5. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.
6. The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)
 $= P(W) - [43 + 10\log(P)] \text{ (dB)} = [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$
 $= -13\text{dBm}.$

	LTE					
LTE BW	1.4M	3M	5M	10M	15M	20M
Span	Auto	Auto	Auto	Auto	Auto	Auto
RBW	1000kHz	1000kHz	1000kHz	1000kHz	1000kHz	1000kHz
VBW	3000kHz	3000kHz	3000kHz	3000kHz	3000kHz	3000kHz
Detector	PK	PK	PK	PK	PK	PK
Trace	Max	Max	Max	Max	Max	Max

8.1.4 TEST RESULTS

Note: Test chart See Appendix C

9. RADIATED SPURIOUS EMISSION

9.1 DESCRIPTION OF RADIATED SPURIOUS EMISSION

9.1.1 MEASUREMENT METHOD

The radiated spurious emission was measured by substitution method according to ANSI C63.26 2015. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

9.1.2 TEST SETUP

The procedure of radiated spurious emissions is as follows:

a) Pre-calibration With pre-calibration method, the Radiated Spurious Emissions(RSE) is calculated as, $RSE = Rx \text{ (dBuV)} + CL \text{ (dB)} + SA \text{ (dB)} + Gain \text{ (dBi)} - 107 \text{ (dBuV to dBm)}$ The SA is calibrated using following setup.

b) EUT was placed on 1.5 m non-conductive stand at a 3 m test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 m from the test item for emission measurements. The height of receiving antenna is 0.8m. The test setup refers to figure below. Detected emissions were maximized at each frequency by rotating the test item and adjusting the receiving antenna polarization. The radiated emission measurements of all non-harmonic and harmonics of the transmit frequency through the 10th harmonic measured with peak detector and 1MHz bandwidth.

Radiated emissions measurements were made only at the upper, middle, and lower carrier frequencies It was decided that measurements at these three carrier frequencies would be sufficient to demonstrate compliance with emissions limits because it was seen that all the significant spurs occur well outside the band and no radiation was seen from a carrier in one block of any band into any of the other blocks.

The substitution method is used. Substitution values at each frequency are measured before and saved to the test software. A "reference path loss" is established and the ARpl is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss and the air loss. The measurement results are obtained as described below:

Power=PMea+ARpl

For radiated test from 30MHz to 1GHz

