

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
LTE Band 5 (1.4MHz) 16 QAM	Lowest	6	0	H	V	21.79	38.45	Pass
					H	21.73		
				E1	V	21.82		
					H	21.70		
				E2	V	21.59		
					H	21.79		
	Middle	6	0	H	V	21.61	38.45	Pass
					H	22.46		
				E1	V	22.04		
					H	21.80		
				E2	V	22.22		
					H	22.48		
	Highest	6	0	H	V	21.62	38.45	Pass
					H	21.67		
				E1	V	22.33		
					H	22.45		
				E2	V	22.52		
					H	22.26		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
LTE Band 5 (3MHz) 16 QAM	Lowest	15	0	H	V	22.42	38.45	Pass
					H	22.25		
				E1	V	22.50		
					H	22.34		
				E2	V	22.39		
					H	22.61		
	Middle	15	0	H	V	22.30	38.45	Pass
					H	22.37		
				E1	V	21.97		
					H	22.22		
				E2	V	22.08		
					H	22.34		
	Highest	15	0	H	V	21.87	38.45	Pass
					H	22.12		
				E1	V	21.63		
					H	21.80		
				E2	V	21.70		
					H	22.33		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
LTE Band 5 (5MHz) 16 QAM	Lowest	25	0	H	V	21.60	38.45	Pass
					H	21.85		
				E1	V	22.09		
					H	22.39		
				E2	V	21.65		
					H	21.79		
	Middle	25	0	H	V	22.55	38.45	Pass
					H	22.34		
				E1	V	22.14		
					H	21.79		
				E2	V	22.26		
					H	22.00		
	Highest	25	0	H	V	21.91	38.45	Pass
					H	22.35		
				E1	V	22.34		
					H	21.98		
				E2	V	22.05		
					H	22.15		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
LTE Band 5 (10MHz) 16 QAM	Lowest	50	0	H	V	22.86	38.45	Pass
					H	22.56		
				E1	V	22.31		
					H	22.56		
				E2	V	22.74		
					H	22.43		
	Middle	50	0	H	V	22.61	38.45	Pass
					H	22.87		
				E1	V	23.08		
					H	23.18		
				E2	V	22.74		
					H	22.76		
	Highest	50	0	H	V	22.58	38.45	Pass
					H	22.84		
				E1	V	22.36		
					H	22.62		
				E2	V	22.59		
					H	22.98		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 7 (5MHz) QPSK	Lowest	25	0	H	V	22.86	33.00	Pass
					H	23.15		
				E1	V	22.92		
					H	22.82		
				E2	V	22.52		
					H	22.75		
	Middle	25	0	H	V	22.78	33.00	Pass
					H	22.57		
				E1	V	23.18		
					H	22.58		
				E2	V	22.73		
					H	22.99		
	Highest	25	0	H	V	22.45	33.00	Pass
					H	22.25		
				E1	V	23.15		
					H	22.46		
				E2	V	22.27		
					H	22.53		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 7 (10MHz) QPSK	Lowest	50	0	H	V	22.76	33.00	Pass
					H	22.95		
				E1	V	22.79		
					H	22.71		
				E2	V	23.13		
					H	23.12		
	Middle	50	0	H	V	23.06	33.00	Pass
					H	22.45		
				E1	V	23.13		
					H	23.16		
				E2	V	22.94		
					H	22.88		
	Highest	50	0	H	V	22.49	33.00	Pass
					H	22.67		
				E1	V	23.00		
					H	22.81		
				E2	V	22.98		
					H	22.22		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 7 (15MHz) QPSK	Lowest	75	0	H	V	22.12	33.00	Pass
					H	21.93		
				E1	V	22.03		
					H	22.12		
				E2	V	22.38		
					H	22.47		
	Middle	75	0	H	V	21.99	33.00	Pass
					H	22.15		
				E1	V	21.54		
					H	21.96		
				E2	V	22.17		
					H	22.04		
	Highest	75	0	H	V	22.29	33.00	Pass
					H	21.61		
				E1	V	22.06		
					H	21.89		
				E2	V	21.86		
					H	22.52		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 7 (20MHz) QPSK	Lowest	100	0	H	V	21.65	33.00	Pass
					H	21.80		
				E1	V	22.36		
					H	21.84		
				E2	V	22.09		
					H	21.82		
	Middle	100	0	H	V	22.52	33.00	Pass
					H	22.51		
				E1	V	21.92		
					H	22.11		
				E2	V	22.29		
					H	22.48		
	Highest	100	0	H	V	21.94	33.00	Pass
					H	22.39		
				E1	V	21.86		
					H	21.70		
				E2	V	21.94		
					H	21.83		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 7 (5MHz) 16 QAM	Lowest	25	0	H	V	22.45	33.00	Pass
					H	22.52		
				E1	V	22.00		
					H	22.31		
				E2	V	21.99		
					H	21.71		
	Middle	25	0	H	V	22.52	33.00	Pass
					H	22.07		
				E1	V	22.08		
					H	22.02		
				E2	V	22.13		
					H	21.84		
	Highest	25	0	H	V	22.33	33.00	Pass
					H	22.49		
				E1	V	21.59		
					H	22.17		
				E2	V	21.74		
					H	22.12		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 7 (10MHz) 16 QAM	Lowest	50	0	H	V	22.86	33.00	Pass
					H	22.70		
				E1	V	22.51		
					H	22.87		
				E2	V	22.36		
					H	22.34		
	Middle	50	0	H	V	23.04	33.00	Pass
					H	23.00		
				E1	V	22.62		
					H	23.17		
				E2	V	22.73		
					H	23.12		
	Highest	50	0	H	V	22.82	33.00	Pass
					H	22.76		
				E1	V	22.56		
					H	22.91		
				E2	V	23.09		
					H	22.91		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 7 (15MHz) 16 QAM	Lowest	75	0	H	V	22.70	33.00	Pass
					H	23.17		
				E1	V	22.45		
					H	23.15		
				E2	V	22.71		
					H	22.97		
	Middle	75	0	H	V	23.13	33.00	Pass
					H	22.33		
				E1	V	22.64		
					H	22.35		
				E2	V	22.76		
					H	23.08		
	Highest	75	0	H	V	22.84	33.00	Pass
					H	22.93		
				E1	V	22.34		
					H	22.53		
				E2	V	22.31		
					H	22.70		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 7 (20MHz) 16 QAM	Lowest	100	0	H	V	22.37	33.00	Pass
					H	22.26		
				E1	V	22.60		
					H	21.99		
				E2	V	22.60		
					H	22.13		
	Middle	100	0	H	V	21.78	33.00	Pass
					H	22.00		
				E1	V	22.19		
					H	22.41		
				E2	V	22.32		
					H	21.88		
	Highest	100	0	H	V	22.36	33.00	Pass
					H	22.25		
				E1	V	21.86		
					H	22.19		
				E2	V	22.54		
					H	22.53		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 12 (1.4MHz) QPSK	Lowest	6	0	H	V	21.73	33.00	Pass
					H	21.65		
				E1	V	22.26		
					H	21.99		
				E2	V	22.60		
					H	21.80		
	Middle	6	0	H	V	21.82	33.00	Pass
					H	22.39		
				E1	V	21.75		
					H	22.26		
				E2	V	22.44		
					H	22.28		
	Highest	6	0	H	V	22.38	33.00	Pass
					H	22.09		
				E1	V	21.88		
					H	21.91		
				E2	V	22.33		
					H	22.33		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 12 (3MHz) QPSK	Lowest	15	0	H	V	21.98	33.00	Pass
					H	22.36		
				E1	V	22.12		
					H	22.13		
				E2	V	22.57		
					H	22.22		
	Middle	15	0	H	V	21.94	33.00	Pass
					H	21.76		
				E1	V	21.86		
					H	22.43		
				E2	V	21.95		
					H	22.25		
	Highest	15	0	H	V	21.77	33.00	Pass
					H	21.73		
				E1	V	21.82		
					H	21.64		
				E2	V	22.48		
					H	22.25		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 12 (5MHz) QPSK	Lowest	25	0	H	V	22.03	33.00	Pass
					H	22.04		
				E1	V	22.14		
					H	22.28		
				E2	V	22.08		
					H	22.06		
	Middle	25	0	H	V	22.47	33.00	Pass
					H	21.92		
				E1	V	22.01		
					H	22.31		
				E2	V	21.87		
					H	21.87		
	Highest	25	0	H	V	21.94	33.00	Pass
					H	21.84		
				E1	V	22.11		
					H	22.50		
				E2	V	22.14		
					H	21.64		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 12 (10MHz) QPSK	Lowest	50	0	H	V	22.47	33.00	Pass
					H	22.57		
				E1	V	22.13		
					H	21.81		
				E2	V	21.67		
					H	22.40		
	Middle	50	0	H	V	21.61	33.00	Pass
					H	22.14		
				E1	V	22.21		
					H	21.96		
				E2	V	22.44		
					H	22.44		
	Highest	50	0	H	V	21.60	33.00	Pass
					H	21.85		
				E1	V	22.00		
					H	21.73		
				E2	V	22.61		
					H	21.71		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 12 (1.4MHz) 16QAM	Lowest	6	0	H	V	21.68	33.00	Pass
					H	22.23		
				E1	V	22.44		
					H	21.97		
				E2	V	22.01		
					H	21.97		
	Middle	6	0	H	V	22.32	33.00	Pass
					H	22.39		
				E1	V	21.75		
					H	22.30		
				E2	V	22.20		
					H	22.28		
	Highest	6	0	H	V	21.83	33.00	Pass
					H	21.76		
				E1	V	22.33		
					H	21.91		
				E2	V	22.06		
					H	22.54		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 12 (3MHz) 16QAM	Lowest	15	0	H	V	21.57	33.00	Pass
					H	22.17		
				E1	V	22.06		
					H	21.95		
				E2	V	22.26		
					H	22.51		
	Middle	15	0	H	V	21.94	33.00	Pass
					H	22.48		
				E1	V	21.89		
					H	22.49		
				E2	V	21.68		
					H	21.92		
	Highest	15	0	H	V	21.62	33.00	Pass
					H	22.01		
				E1	V	22.29		
					H	21.81		
				E2	V	22.04		
					H	22.31		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 12 (5MHz) 16QAM	Lowest	25	0	H	V	21.99	33.00	Pass
					H	21.93		
				E1	V	22.15		
					H	21.61		
				E2	V	22.39		
					H	21.92		
	Middle	25	0	H	V	22.31	33.00	Pass
					H	22.07		
				E1	V	22.26		
					H	22.00		
				E2	V	21.79		
					H	22.46		
	Highest	25	0	H	V	22.40	33.00	Pass
					H	21.77		
				E1	V	21.69		
					H	21.44		
				E2	V	22.79		
					H	22.54		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 12 (10MHz) 16QAM	Lowest	50	0	H	V	22.32	33.00	Pass
					H	22.23		
				E1	V	21.97		
					H	21.81		
				E2	V	22.15		
					H	22.00		
	Middle	50	0	H	V	22.25	33.00	Pass
					H	22.23		
				E1	V	21.83		
					H	21.65		
				E2	V	21.64		
					H	21.88		
	Highest	50	0	H	V	22.24	33.00	Pass
					H	21.62		
				E1	V	21.85		
					H	21.26		
				E2	V	22.65		
					H	22.11		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 17 (5MHz) QPSK	Lowest	25	0	H	V	22.32	33.00	Pass
					H	22.89		
				E1	V	22.75		
					H	22.45		
				E2	V	22.56		
					H	22.59		
	Middle	25	0	H	V	23.11	33.00	Pass
					H	22.27		
				E1	V	23.11		
					H	22.36		
				E2	V	22.52		
					H	22.34		
	Highest	25	0	H	V	22.75	33.00	Pass
					H	22.93		
				E1	V	22.90		
					H	22.66		
				E2	V	22.54		
					H	22.86		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 17 (10MHz) QPSK	Lowest	50	0	H	V	23.09	33.00	Pass
					H	22.81		
				E1	V	22.45		
					H	22.63		
				E2	V	22.71		
					H	22.34		
	Middle	50	0	H	V	22.58	33.00	Pass
					H	22.78		
				E1	V	22.25		
					H	22.64		
				E2	V	22.61		
					H	22.99		
	Highest	50	0	H	V	22.74	33.00	Pass
					H	22.59		
				E1	V	22.53		
					H	22.14		
				E2	V	21.74		
					H	22.42		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 17 (5MHz) 16QAM	Lowest	25	0	H	V	22.94	33.00	Pass
					H	22.72		
				E1	V	23.03		
					H	22.66		
				E2	V	23.19		
					H	22.91		
	Middle	25	0	H	V	22.34	33.00	Pass
					H	22.74		
				E1	V	22.63		
					H	22.42		
				E2	V	22.40		
					H	22.92		
	Highest	25	0	H	V	22.30	33.00	Pass
					H	22.90		
				E1	V	22.60		
					H	22.17		
				E2	V	22.36		
					H	22.86		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 17 (10MHz) 16QAM	Lowest	50	0	H	V	22.89	33.00	Pass
					H	23.12		
				E1	V	22.23		
					H	23.17		
				E2	V	22.98		
					H	23.12		
	Middle	50	0	H	V	22.65	33.00	Pass
					H	22.76		
				E1	V	22.74		
					H	22.74		
				E2	V	23.08		
					H	23.17		
	Highest	50	0	H	V	22.71	33.00	Pass
					H	22.91		
				E1	V	22.28		
					H	22.08		
				E2	V	22.10		
					H	22.74		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 41 (5MHz) QPSK	Lowest	25	0	H	V	22.34	33.00	Pass
					H	22.38		
				E1	V	21.89		
					H	22.30		
				E2	V	21.66		
					H	21.58		
	Middle	25	0	H	V	21.63	33.00	Pass
					H	22.37		
				E1	V	22.16		
					H	22.02		
				E2	V	21.63		
					H	21.88		
	Highest	25	0	H	V	21.95	33.00	Pass
					H	22.03		
				E1	V	21.83		
					H	22.07		
				E2	V	21.68		
					H	22.96		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 41 (10MHz) QPSK	Lowest	50	0	H	V	22.26	33.00	Pass
					H	22.44		
				E1	V	22.53		
					H	22.00		
				E2	V	22.36		
					H	21.56		
	Middle	50	0	H	V	22.09	33.00	Pass
					H	22.27		
				E1	V	21.57		
					H	22.55		
				E2	V	21.67		
					H	21.95		
	Highest	50	0	H	V	22.03	33.00	Pass
					H	22.46		
				E1	V	22.02		
					H	21.77		
				E2	V	21.85		
					H	23.06		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 41 (15MHz) QPSK	Lowest	75	0	H	V	21.84	33.00	Pass
					H	22.21		
				E1	V	21.98		
					H	22.16		
				E2	V	21.73		
					H	22.23		
	Middle	75	0	H	V	22.14	33.00	Pass
					H	21.89		
				E1	V	21.82		
					H	22.18		
				E2	V	21.73		
					H	22.00		
	Highest	75	0	H	V	21.75	33.00	Pass
					H	21.69		
				E1	V	21.95		
					H	21.71		
				E2	V	22.04		
					H	23.26		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 41 (20MHz) QPSK	Lowest	100	0	H	V	22.38	33.00	Pass
					H	22.57		
				E1	V	22.25		
					H	22.59		
				E2	V	22.55		
					H	21.91		
	Middle	100	0	H	V	22.09	33.00	Pass
					H	21.83		
				E1	V	21.83		
					H	22.31		
				E2	V	22.01		
					H	22.12		
	Highest	100	0	H	V	22.32	33.00	Pass
					H	21.68		
				E1	V	22.31		
					H	22.37		
				E2	V	21.63		
					H	22.99		

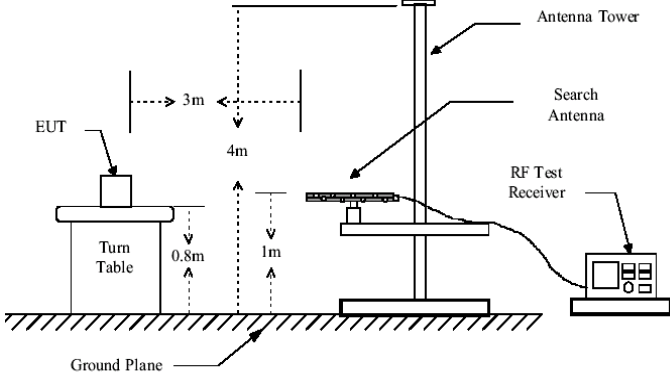
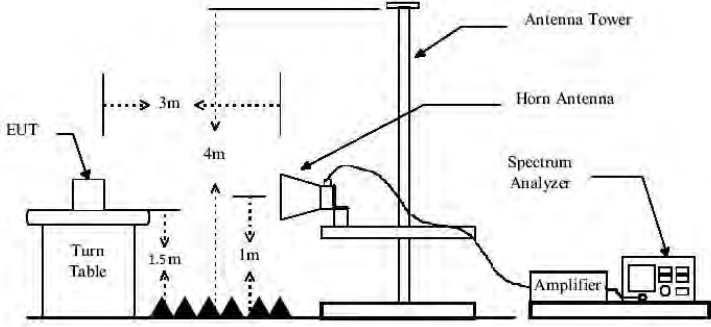
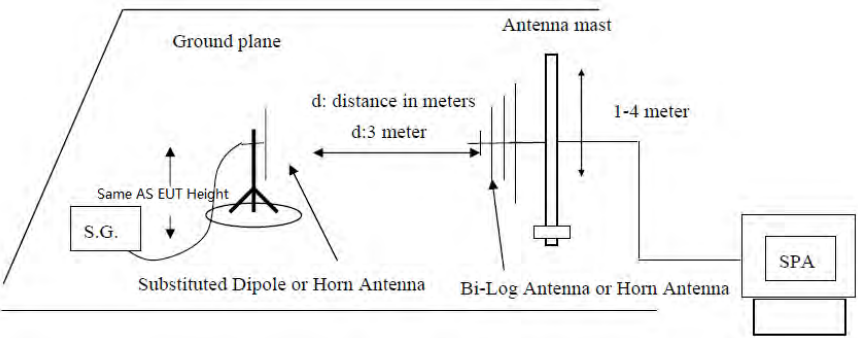
EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 41 (5MHz) 16 QAM	Lowest	25	0	H	V	22.52	33.00	Pass
					H	22.30		
				E1	V	21.65		
					H	21.88		
				E2	V	22.03		
					H	22.43		
	Middle	25	0	H	V	21.98	33.00	Pass
					H	21.78		
				E1	V	22.16		
					H	22.52		
				E2	V	22.43		
					H	21.71		
	Highest	25	0	H	V	22.61	33.00	Pass
					H	22.32		
				E1	V	22.43		
					H	22.19		
				E2	V	22.26		
					H	23.24		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 41 (10MHz) 16 QAM	Lowest	50	0	H	V	22.56	33.00	Pass
					H	21.64		
				E1	V	22.37		
					H	21.89		
				E2	V	21.89		
					H	21.99		
	Middle	50	0	H	V	22.47	33.00	Pass
					H	22.49		
				E1	V	22.35		
					H	22.20		
				E2	V	22.39		
					H	21.66		
	Highest	50	0	H	V	21.80	33.00	Pass
					H	22.26		
				E1	V	21.71		
					H	21.66		
				E2	V	22.30		
					H	23.04		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 41 (15MHz) 16 QAM	Lowest	75	0	H	V	21.67	33.00	Pass
					H	21.64		
				E1	V	21.75		
					H	21.77		
				E2	V	21.81		
					H	22.07		
	Middle	75	0	H	V	21.78	33.00	Pass
					H	22.47		
				E1	V	22.07		
					H	22.23		
				E2	V	22.52		
					H	22.01		
	Highest	75	0	H	V	21.92	33.00	Pass
					H	22.10		
				E1	V	22.11		
					H	22.41		
				E2	V	21.78		
					H	22.82		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 41 (20MHz) 16 QAM	Lowest	100	0	H	V	22.44	33.00	Pass
					H	22.55		
				E1	V	21.61		
					H	21.96		
				E2	V	22.02		
					H	21.81		
	Middle	100	0	H	V	22.11	33.00	Pass
					H	21.68		
				E1	V	21.67		
					H	22.32		
				E2	V	21.94		
					H	22.24		
	Highest	100	0	H	V	21.96	33.00	Pass
					H	22.61		
				E1	V	21.81		
					H	22.45		
				E2	V	22.14		
					H	22.57		

4.9 Field strength of spurious radiation measurement

Test Requirement:	FCC part22.913(a), FCC part24.238(a) and FCC part27.53, FCC part90.691
Test Method:	ANSI C63.26:2015
Limit:	Band 2/4/5/12/17:-13dBm Band 7/41:-25dBm
Test setup:	Below 1GHz  Above 1GHz  Substituted method: 

Test Procedure:	1. The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer. 2. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations. 3. The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method. 4. The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency. $\text{ERP / EIRP} = \text{S.G. output (dBm)} + \text{Antenna Gain(dB/dBi)} - \text{Cable Loss (dB)}$ 5. Compliance with the provisions of part 27 paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.
Test Instruments:	Refer to section 3 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass

Measurement Data:

QPSK Mode:

Test mode:	LTE Band 2(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3700.47	Vertical	-43.65	-13.00	Pass
5548.58	V	-43.34		
7398.27	V	-41.69		
9251.93	V	-37.24		
11101.93	V	-36.23		
3701.63	Horizontal	-42.16	-13.00	Pass
5550.18	H	-43.28		
7399.50	H	-40.75		
9248.11	H	-39.48		
11098.58	H	-38.67		
Test mode:	LTE Band 2(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.00	Vertical	-44.12	-13.00	Pass
5639.45	V	-42.47		
7519.80	V	-40.16		
9398.22	V	-38.84		
11278.22	V	-39.94		
3761.32	Horizontal	-42.47	-13.00	Pass
5638.34	H	-45.12		
7521.07	H	-37.97		
9400.17	H	-37.91		
11279.45	H	-36.61		
Test mode:	LTE Band 2(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.02	Vertical	-46.10	-13.00	Pass
5730.38	V	-41.54		
7641.58	V	-38.38		
9550.73	V	-38.57		
11460.73	V	-37.43		
3818.68	Horizontal	-45.11	-13.00	Pass
5728.32	H	-45.14		
7638.77	H	-39.05		
9549.22	H	-40.21		
11460.38	H	-37.56		

Remark :

1. The emission behaviour belongs to narrowband spurious emission, all modes investigated and only worst case is reported.
2. Remark"---" means that the emission level is too low (20dB lower than the limit) to be measured
3. The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

Test mode:	LTE Band 4(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3429.40	Vertical	-44.72	-13.00	Pass
5146.88	V	-40.04		
6861.86	V	-38.10		
8573.04	V	-38.29		
10288.04	V	-40.12		
3431.28	Horizontal	-42.51	-13.00	Pass
5143.08	H	-45.38		
6858.74	H	-40.56		
8574.98	H	-40.24		
10291.88	H	-36.80		
Test mode:	LTE Band 4(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3461.14	Vertical	-42.98	-13.00	Pass
5189.27	V	-42.65		
6921.03	V	-38.93		
8650.89	V	-36.67		
10380.89	V	-37.27		
3460.39	Horizontal	-43.40	-13.00	Pass
5189.48	H	-43.98		
6918.02	H	-40.28		
8648.78	H	-40.96		
10379.27	H	-38.00		
Test mode:	LTE Band 4(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3511.98	Vertical	-42.14	-13.00	Pass
5265.98	V	-40.94		
7020.28	V	-39.68		
8775.60	V	-36.76		
10530.60	V	-37.56		
3508.17	Horizontal	-45.62	-13.00	Pass
5266.16	H	-42.30		
7021.29	H	-39.81		
8775.09	H	-37.69		
10530.98	H	-36.69		

Remark:

1. The emission behaviour belongs to narrowband spurious emission, all modes investigated and only worst case is reported.
2. Remark"---" means that the emission level is too low (20dB lower than the limit) to be measured
3. The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

Test mode:	LTE Band 5(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1650.84	Vertical	-45.28	-13.00	Pass
2476.94	V	-42.98		
3305.38	V	-38.58		
4128.29	V	-39.45		
4954.29	V	-39.87		
1652.05	Horizontal	-43.74	-13.00	Pass
2476.15	H	-45.31		
3302.16	H	-40.07		
4130.24	H	-40.82		
4954.94	H	-36.54		
Test mode:	LTE Band 5(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1674.39	Vertical	-42.73	-13.00	Pass
2508.51	V	-42.91		
3347.60	V	-38.36		
4183.52	V	-38.96		
5020.02	V	-37.14		
1671.30	Horizontal	-45.49	-13.00	Pass
2509.43	H	-43.53		
3345.43	H	-39.47		
4181.86	H	-39.55		
5018.01	H	-37.42		
Test mode:	LTE Band 5(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1696.06	Vertical	-44.06	-13.00	Pass
2542.95	V	-42.97		
3392.96	V	-39.00		
4239.36	V	-36.21		
5087.36	V	-38.80		
1695.55	Horizontal	-44.24	-13.00	Pass
2545.51	H	-41.95		
3393.58	H	-38.85		
4238.82	H	-37.40		
5086.95	H	-37.96		

Remark :

1. The emission behaviour belongs to narrowband spurious emission, all modes investigated and only worst case is reported.
2. Remark"---" means that the emission level is too low (20dB lower than the limit) to be measured
3. The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

Test mode:	LTE Band 7(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5001.45	Vertical	-42.67	-25.00	Pass
7500.86	V	-41.06		
9999.69	V	-40.27		
12500.18	V	-38.00		
15000.18	V	-37.98		
4999.33	Horizontal	-44.46	-25.00	Pass
7500.31	H	-43.15		
9998.14	H	-40.20		
12500.82	H	-40.84		
15000.86	H	-35.96		
Test mode:	LTE Band 7(5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5071.96	Vertical	-42.16	-25.00	Pass
7606.86	V	-40.06		
10139.69	V	-40.27		
12674.33	V	-38.81		
15209.33	V	-38.83		
5069.04	Horizontal	-44.75	-25.00	Pass
7606.94	H	-41.52		
10138.64	H	-38.64		
12674.38	H	-40.34		
15211.86	H	-37.40		
Test mode:	LTE Band 7(5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5136.93	Vertical	-42.19	-25.00	Pass
7704.14	V	-40.28		
10270.19	V	-39.77		
12836.37	V	-39.71		
15403.87	V	-39.29		
5135.10	Horizontal	-43.69	-25.00	Pass
7702.24	H	-43.72		
10271.47	H	-37.73		
12837.53	H	-37.51		
15406.64	H	-36.75		

Remark :

1. The emission behaviour belongs to narrowband spurious emission, all modes investigated and only worst case is reported.
2. Remark"---" means that the emission level is too low (20dB lower than the limit) to be measured
3. The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

Test mode:	LTE Band 12(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1403.31	Vertical	-42.81	-13.00	Pass
2102.20	V	-42.72		
2803.15	V	-40.81		
3504.67	V	-37.32		
4205.67	V	-38.49		
1401.72	Horizontal	-44.07	-13.00	Pass
2102.62	H	-43.84		
2805.34	H	-40.40		
3504.44	H	-37.64		
4205.20	H	-37.34		
Test mode:	LTE Band 12(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1412.55	Vertical	-45.57	-13.00	Pass
2119.63	V	-43.29		
2828.60	V	-39.36		
3536.29	V	-37.04		
4243.29	V	-36.87		
1413.87	Horizontal	-43.92	-13.00	Pass
2122.37	H	-42.09		
2826.23	H	-38.44		
3536.72	H	-40.75		
4240.63	H	-35.06		
Test mode:	LTE Band 12(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1426.08	Vertical	-46.04	-13.00	Pass
2140.83	V	-43.09		
2856.29	V	-39.67		
3571.03	V	-38.33		
4285.03	V	-37.13		
1429.48	Horizontal	-42.31	-13.00	Pass
2142.11	H	-43.35		
2855.78	H	-38.59		
3568.66	H	-39.20		
4282.83	H	-38.12		

Remark :

- 1 The emission behaviour belongs to narrowband spurious emission, all modes investigated and only worst case is reported.
- 2 Remark"---" means that the emission level is too low (20dB lower than the limit) to be measured
- 3 The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

Test mode:	LTE Band 17(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1410.94	Vertical	-45.18	-13.00	Pass
2118.71	V	-41.21		
2825.75	V	-38.21		
3528.07	V	-38.50		
4234.07	V	-40.09		
1412.01	Horizontal	-43.78	-13.00	Pass
2119.06	H	-42.40		
2822.37	H	-39.73		
3530.59	H	-40.61		
4236.71	H	-36.19		
Test mode:	LTE Band 17(5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1421.21	Vertical	-42.91	-13.00	Pass
2129.08	V	-42.84		
2841.90	V	-38.06		
3551.95	V	-36.37		
4261.95	V	-36.21		
1418.60	Horizontal	-45.19	-13.00	Pass
2128.29	H	-45.17		
2839.66	H	-40.66		
3551.44	H	-39.32		
4259.08	H	-35.34		
Test mode:	LTE Band 17(5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1428.03	Vertical	-44.49	-13.00	Pass
2141.83	V	-42.69		
2856.93	V	-39.83		
3569.07	V	-39.29		
4283.27	V	-40.09		
1428.89	Horizontal	-43.30	-13.00	Pass
2140.62	H	-45.44		
2858.34	H	-38.68		
3571.14	H	-37.44		
4284.43	H	-36.64		

Remark :

- 1 The emission behaviour belongs to narrowband spurious emission, all modes investigated and only worst case is reported.
- 2 Remark"---" means that the emission level is too low (20dB lower than the limit) to be measured
- 3 The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

Test mode:	LTE Band 41(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5002.10	Vertical	-44.02	-25.00	Pass
7501.78	V	-43.14		
10002.96	V	-41.00		
12504.10	V	-38.44		
15005.10	V	-39.06		
5000.27	Horizontal	-45.52	-25.00	Pass
7502.39	H	-44.07		
10002.00	H	-38.03		
12506.33	H	-40.98		
15004.78	H	-35.45		
Test mode:	LTE Band 41(5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5181.21	Vertical	-42.91	-25.00	Pass
7770.73	V	-41.19		
10358.89	V	-41.07		
12948.98	V	-37.53		
15538.98	V	-39.18		
5179.42	Horizontal	-44.37	-25.00	Pass
7769.15	H	-44.31		
10361.44	H	-38.58		
12948.59	H	-37.54		
15540.73	H	-38.19		
Test mode:	LTE Band 41(5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5370.41	Vertical	-43.71	-25.00	Pass
8056.17	V	-40.75		
10738.93	V	-41.03		
13426.04	V	-37.21		
16111.04	V	-37.12		
5371.48	Horizontal	-42.31	-25.00	Pass
8054.14	H	-44.32		
10738.96	H	-37.85		
13423.98	H	-40.02		
16111.17	H	-37.80		

Remark :

- 1 The emission behaviour belongs to narrowband spurious emission, all modes investigated and only worst case is reported.
- 2 Remark"---" means that the emission level is too low (20dB lower than the limit) to be measured
- 3 The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

16 QAM Mode:

Test mode:	LTE Band 2 (1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3704.91	Vertical	-37.89	-13.00	Pass
5556.48	V	-36.21		
7409.32	V	-34.63		
9259.63	V	-33.00		
11111.63	V	-30.77		
3702.44	Horizontal	-40.65	-13.00	Pass
5557.15	H	-35.71		
7409.42	H	-33.94		
9258.53	H	-31.61		
11112.48	H	-32.82		
Test mode:	LTE Band 2 (1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3759.87	Vertical	-38.93	-13.00	Pass
5640.37	V	-36.32		
7519.91	V	-36.04		
9399.01	V	-34.33		
11279.01	V	-31.39		
3759.66	Horizontal	-39.43	-13.00	Pass
5640.07	H	-36.79		
7521.33	H	-37.35		
9398.11	H	-31.70		
11280.37	H	-33.24		
Test mode:	LTE Band 2 (1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3814.11	Vertical	-40.69	-13.00	Pass
5725.00	V	-35.69		
7631.19	V	-36.76		
9540.95	V	-32.16		
11448.95	V	-29.45		
3816.33	Horizontal	-38.76	-13.00	Pass
5725.42	H	-35.44		
7633.92	H	-33.71		
9539.24	H	-31.11		
11449.00	H	-32.11		

Remark :

- 1 The emission behaviour belongs to narrowband spurious emission, all modes investigated and only worst case is reported.
- 2 Remark"---" means that the emission level is too low (20dB lower than the limit) to be measured
- 3 The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

Test mode:	LTE Band 4(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3423.12	Vertical	-39.68	-13.00	Pass
5134.78	V	-37.91		
6849.52	V	-34.43		
8558.78	V	-34.00		
10270.78	V	-31.62		
3424.00	Horizontal	-39.09	-13.00	Pass
5137.44	H	-35.42		
6848.13	H	-36.13		
8558.30	H	-32.90		
10270.78	H	-33.05		
Test mode:	LTE Band 4(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3464.06	Vertical	-38.74	-13.00	Pass
5195.84	V	-36.85		
6926.20	V	-37.75		
8661.01	V	-32.55		
10393.01	V	-29.39		
3465.74	Horizontal	-37.35	-13.00	Pass
5196.94	H	-35.92		
6926.66	H	-37.05		
8661.92	H	-34.37		
10391.84	H	-29.43		
Test mode:	LTE Band 4(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3503.94	Vertical	-38.86	-13.00	Pass
5256.08	V	-36.61		
7009.40	V	-34.55		
8761.36	V	-34.36		
10513.36	V	-29.04		
3502.91	Horizontal	-40.18	-13.00	Pass
5254.76	H	-38.10		
7009.20	H	-34.22		
8758.35	H	-31.83		
10512.08	H	-33.00		

Remark:

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- 2 Remark"---" means that the emission level is too low (20dB lower than the limit) to be measured
- 3 The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

Test mode:	LTE Band 5(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1652.27	Vertical	-38.53	-13.00	Pass
2476.79	V	-37.90		
3305.98	V	-33.97		
4128.50	V	-31.63		
4954.50	V	-31.90		
1651.86	Horizontal	-39.23	-13.00	Pass
2476.35	H	-38.51		
3304.01	H	-36.10		
4128.80	H	-33.02		
4954.79	H	-32.55		
Test mode:	LTE Band 5(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1670.30	Vertical	-40.50	-13.00	Pass
2507.36	V	-37.33		
3342.89	V	-37.06		
4179.54	V	-32.12		
5015.54	V	-30.86		
1673.40	Horizontal	-37.69	-13.00	Pass
2506.58	H	-38.28		
3344.87	H	-34.01		
4180.45	H	-32.16		
5015.36	H	-30.90		
Test mode:	LTE Band 5(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1692.53	Vertical	-38.27	-13.00	Pass
2537.28	V	-37.41		
3382.20	V	-37.75		
4231.51	V	-32.95		
5077.51	V	-28.89		
1693.91	Horizontal	-37.18	-13.00	Pass
2537.11	H	-37.75		
3382.12	H	-35.63		
4230.14	H	-34.91		
5075.28	H	-31.21		

Remark :

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Test mode:	LTE Band 7(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5003.53	Vertical	-39.27	-25.00	Pass
7504.06	V	-38.63		
10007.13	V	-36.82		
12511.54	V	-32.50		
15013.54	V	-28.86		
5002.90	Horizontal	-40.19	-25.00	Pass
7505.05	H	-37.81		
10007.51	H	-36.52		
12510.13	H	-33.52		
15010.06	H	-31.22		
Test mode:	LTE Band 7(5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5069.09	Vertical	-39.71	-25.00	Pass
7604.56	V	-37.13		
10139.37	V	-36.58		
12676.05	V	-34.36		
15211.05	V	-29.35		
5069.94	Horizontal	-39.15	-25.00	Pass
7606.92	H	-34.94		
10141.81	H	-36.83		
12674.11	H	-31.22		
15209.56	H	-32.24		
Test mode:	LTE Band 7(5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5134.70	Vertical	-40.10	-25.00	Pass
7702.12	V	-38.57		
10273.35	V	-34.60		
12840.49	V	-30.71		
15408.49	V	-29.91		
5137.33	Horizontal	-37.76	-25.00	Pass
7703.91	H	-36.95		
10270.60	H	-33.80		
12841.21	H	-34.43		
15406.12	H	-30.14		

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Test mode:	LTE Band 12 (1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1402.24	Vertical	-38.56	-13.00	Pass
2101.94	V	-37.75		
2802.92	V	-37.03		
3503.63	V	-31.65		
4204.63	V	-31.77		
1403.22	Horizontal	-37.87	-13.00	Pass
2103.01	H	-36.85		
2805.99	H	-36.60		
3506.32	H	-31.04		
4204.94	H	-30.03		
Test mode:	LTE Band 12 (1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1415.96	Vertical	-36.84	-13.00	Pass
2120.24	V	-37.45		
2828.65	V	-35.30		
3534.55	V	-32.30		
4241.55	V	-30.85		
1415.07	Horizontal	-38.02	-13.00	Pass
2120.36	H	-37.50		
2826.22	H	-34.23		
3535.56	H	-34.81		
4241.24	H	-30.79		
Test mode:	LTE Band 12 (1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1430.77	Vertical	-37.63	-13.00	Pass
2144.38	V	-36.71		
2860.29	V	-34.86		
3575.23	V	-31.04		
4290.03	V	-29.17		
1431.41	Horizontal	-37.28	-13.00	Pass
2144.30	H	-36.96		
2859.63	H	-35.67		
3573.06	H	-32.60		
4288.78	H	-32.29		

Remark :

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Test mode:	LTE Band 17(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1411.33	Vertical	-37.47	-13.00	Pass
2114.05	V	-37.64		
2821.67	V	-34.28		
3526.43	V	-32.68		
4231.43	V	-28.97		
1411.81	Horizontal	-37.28	-13.00	Pass
2113.67	H	-38.19		
2821.57	H	-35.75		
3525.10	H	-31.46		
4229.05	H	-31.25		
Test mode:	LTE Band 17(5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1421.15	Vertical	-37.65	-13.00	Pass
2130.01	V	-36.68		
2840.72	V	-35.23		
3548.37	V	-30.89		
4258.37	V	-32.03		
1421.43	Horizontal	-37.66	-13.00	Pass
2128.92	H	-37.94		
2841.24	H	-34.79		
3548.91	H	-31.79		
4260.01	H	-32.44		
Test mode:	LTE Band 17(5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1431.69	Vertical	-37.11	-13.00	Pass
2146.38	V	-35.31		
2860.68	V	-35.27		
3573.34	V	-31.44		
4288.34	V	-32.06		
1429.06	Horizontal	-40.03	-13.00	Pass
2145.45	H	-36.41		
2860.93	H	-35.47		
3576.77	H	-32.10		
4291.38	H	-29.58		

Remark :

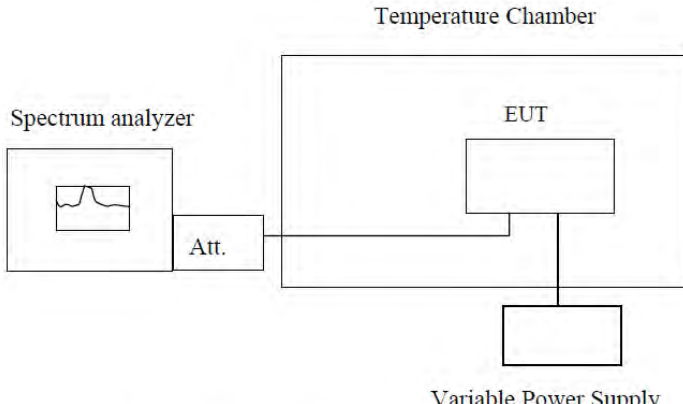
- 1 The emission behaviour belongs to narrowband spurious emission, all modes investigated and only worst case is reported.
- 2 Remark"---" means that the emission level is too low (20dB lower than the limit) to be measured
- 3 The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.

Test mode:	LTE Band 41 (5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
4996.54	Vertical	-39.26	-25.00	Pass
7494.84	V	-37.35		
9995.34	V	-34.61		
12494.21	V	-34.55		
14992.71	V	-28.69		
4995.95	Horizontal	-40.14	-25.00	Pass
7494.37	H	-37.99		
9993.00	H	-34.51		
12493.34	H	-34.03		
14990.34	H	-30.51		
Test mode:	LTE Band 41 (5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5158.26	Vertical	-40.54	-25.00	Pass
7740.32	V	-36.37		
10320.93	V	-35.02		
12901.74	V	-32.54		
15481.74	V	-28.66		
5159.03	Horizontal	-40.06	-25.00	Pass
7740.00	H	-36.86		
10320.33	H	-34.06		
12900.31	H	-32.70		
15480.32	H	-31.04		
Test mode:	LTE Band 41 (5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5330.67	Vertical	-38.13	-25.00	Pass
7993.38	V	-38.31		
10661.23	V	-34.72		
13326.37	V	-32.37		
15991.37	V	-29.03		
5331.38	Horizontal	-37.71	-25.00	Pass
7996.17	H	-35.69		
10659.06	H	-35.54		
13323.16	H	-33.97		
15988.38	H	-33.19		

Remark :

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4.10 Frequency stability V.S. Temperature measurement

Test Requirement:	FCC Part2.1055(a)(1)(b), FCC part90.213.(a)
Test Method:	ANSI C63.26:2015
Limit:	2.5ppm(Part 22) Within the authorized bands of operation(Part 24, Part 27)
Test setup:	 Note : Measurement setup for testing on Antenna connector
Test procedure:	1. The equipment under test was connected to an external DC power supply and input rated voltage. 2. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. 3. The EUT was placed inside the temperature chamber. 4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency. 5. Turn EUT off and set the chamber temperature to –20°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. 6. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.
Test Instruments:	Refer to section 3 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass
Remark:	If all frequencies stability are comply with the lower limit, then all results can be considered qualified

Measurement Data

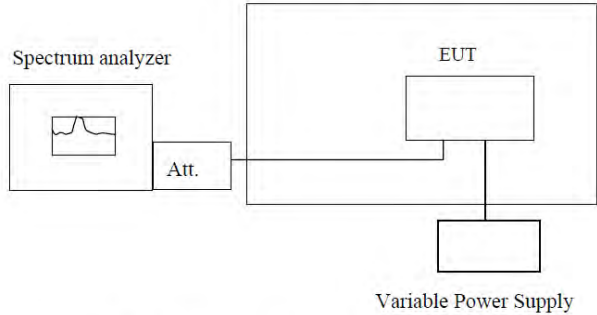
Measurement Data

Reference Frequency: LTE Band 2 Middle channel=18900 channel=1880MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.8	-20	11	0.0056	Within the authorized bands	Pass
	-10	20	0.0107		
	0	15	0.0080		
	10	8	0.0041		
	20	24	0.0129		
	30	-17	-0.0092		
	40	13	0.0067		
	50	0	0.0000		
	60	14	0.0076		
Reference Frequency: LTE Band 4 Middle channel=20175 channel=1732.5MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.8	-20	13	0.0077	2.5	Pass
	-10	25	0.0143		
	0	17	0.0095		
	10	4	0.0021		
	20	27	0.0158		
	30	-18	-0.0104		
	40	16	0.0090		
	50	6	0.0034		
	60	13	0.0073		
Reference Frequency: LTE Band 5 Middle channel=20175 channel=836.5MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.8	-20	15	0.0183	2.5	Pass
	-10	20	0.0240		
	0	19	0.0225		
	10	1	0.0008		
	20	25	0.0293		
	30	-23	-0.0271		
	40	12	0.0147		
	50	3	0.0039		
	60	8	0.0098		

Reference Frequency: LTE Band 7 Middle channel=21100 channel=2535MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.8	-20	19	0.0073	Within the authorized bands	Pass
	-10	20	0.0077		
	0	19	0.0075		
	10	-3	-0.0014		
	20	22	0.0086		
	30	-27	-0.0107		
	40	16	0.0063		
	50	7	0.0026		
	60	6	0.0025		
Reference Frequency: LTE Band 12 Middle channel=23095 channel=707.5MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.8	-20	15	0.0213	2.5	Pass
	-10	23	0.0332		
	0	19	0.0262		
	10	-3	-0.0047		
	20	18	0.0254		
	30	-29	-0.0407		
	40	20	0.0288		
	50	4	0.0053		
	60	1	0.0018		

Reference Frequency: LTE Band 17 Middle channel=23790 channel=710MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.8	-20	7	0.0105	2.5	Pass
	-10	18	0.0259		
	0	15	0.0218		
	10	14	0.0191		
	20	24	0.0341		
	30	-16	-0.0231		
	40	15	0.0208		
	50	9	0.0122		
	60	17	0.0240		
Reference Frequency: LTE Band 41 Middle channel=40620 channel=2593MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.8	-20	12	0.0045	Within the authorized bands	Pass
	-10	14	0.0055		
	0	19	0.0071		
	10	16	0.0063		
	20	28	0.0108		
	30	-13	-0.0051		
	40	12	0.0045		
	50	12	0.0045		
	60	18	0.0071		

4.11 Frequency stability V.S. Voltage measurement

Test Requirement:	FCC Part2.1055(d)(1)(2), FCC part90.213.(a)
Test Method:	ANSI C63.26:2015
Limit:	2.5ppm Band II & Band VII should be within authorized band.
Test setup:	Temperature Chamber  Variable Power Supply Note : Measurement setup for testing on Antenna connector
Test procedure:	1. Set chamber temperature to 20°C. Use a variable DC power source to power the EUT and set the voltage to rated voltage. 2. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency. 3. Reduce the input voltage to specified extreme voltage variation (+/- 15%) and endpoint, record the maximum frequency change.
Test Instruments:	Refer to section 3 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass
Remark:	1. Manufacturer specified the battery operating end point voltage is 3.6VDC, max voltage is 4.2VDC. 2. If all frequencies stability are comply with the lower limit, then all results can be considered qualified

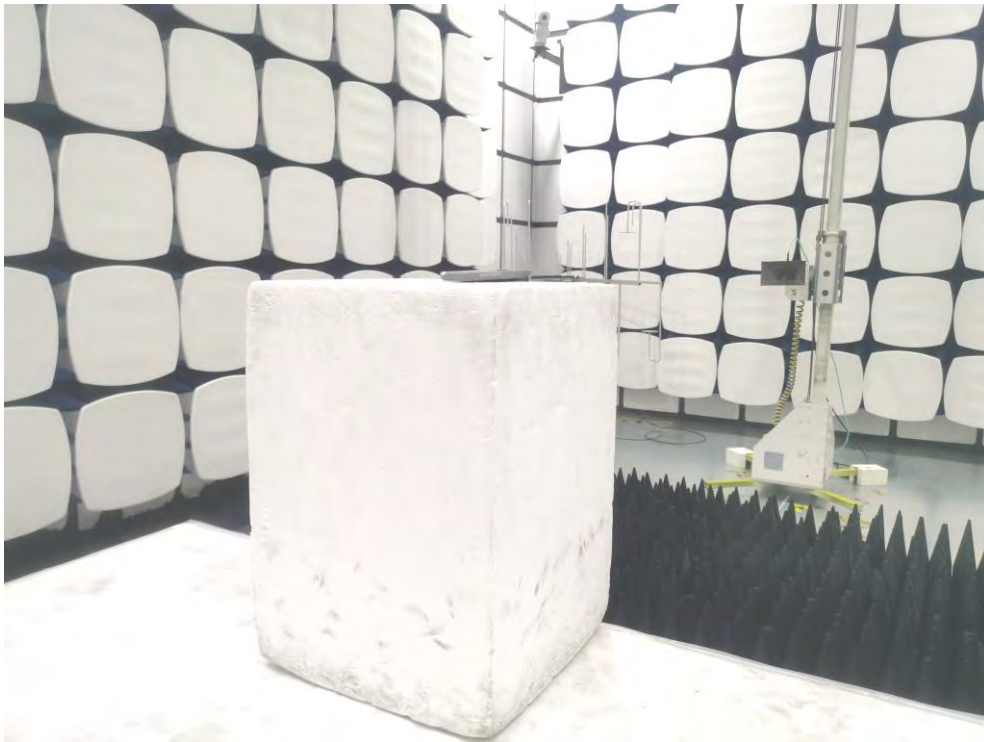
Measurement Data

Reference Frequency: LTE Band 2 Middle channel=18900 channel=1880MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	11	0.0056	within authorized band	Pass
	3.8	15	0.0081		
	3.42	15	0.0077		
Reference Frequency: LTE Band 4 Middle channel=20175 channel=1732.5MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	11	0.0062	2.5	Pass
	3.8	22	0.0124		
	3.42	18	0.0105		
Reference Frequency: LTE Band 5 Middle channel=20175 channel=836.5MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	28	0.0340	2.5	Pass
	3.8	14	0.0162		
	3.42	7	0.0087		
Reference Frequency: LTE Band 7 Middle channel=21100 channel=2535MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	18	0.0071	within authorized band	Pass
	3.8	-3	-0.0014		
	3.42	25	0.0099		

Reference Frequency: LTE Band 12 Middle channel=23095 channel=707.5MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	23	0.0325	within authorized band	Pass
	3.8	-1	-0.0007		
	3.42	27	0.0381		
Reference Frequency: LTE Band 17 Middle channel=23790 channel=710MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	23	0.0324	2.5	Pass
	3.8	17	0.0239		
	3.42	11	0.0162		
Reference Frequency: LTE Band 41 Middle channel=40620 channel=2593MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.18	23	0.0087	2.5	Pass
	3.8	10	0.0039		
	3.42	15	0.0059		

4.12 Test Setup Photo

Radiated Emission



-----END OF REPORT-----