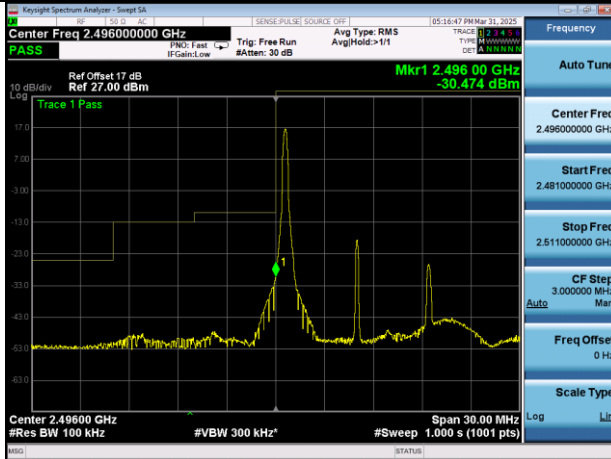
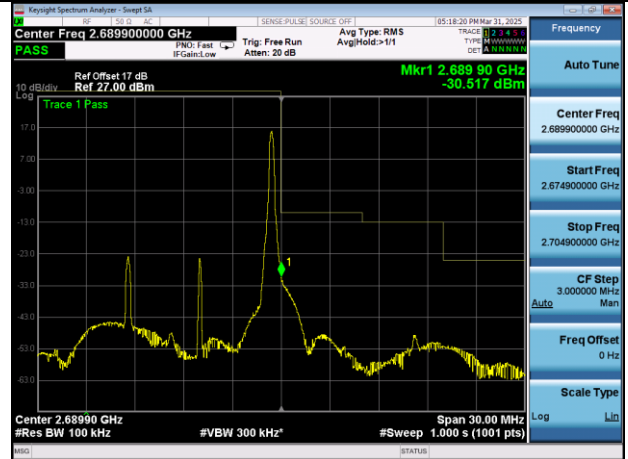


Test Mode: LTE Band 41 / 10MHz / 1RB / QPSK

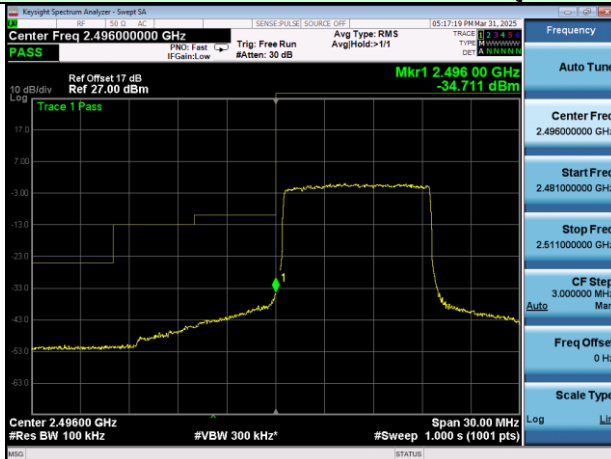


Lowest channel



Highest channel

Test Mode: LTE Band 41 / 10MHz / 50RB / QPSK

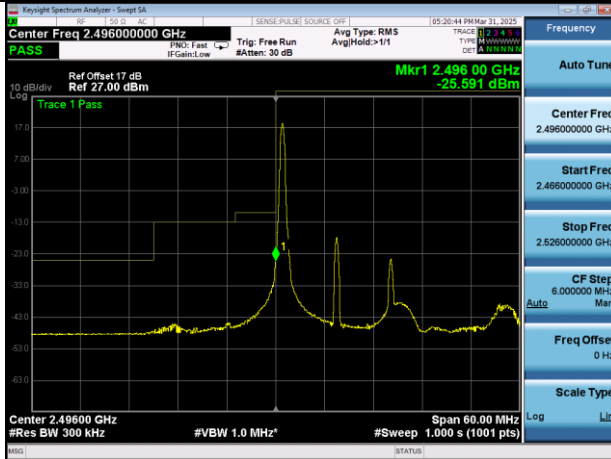


Lowest channel

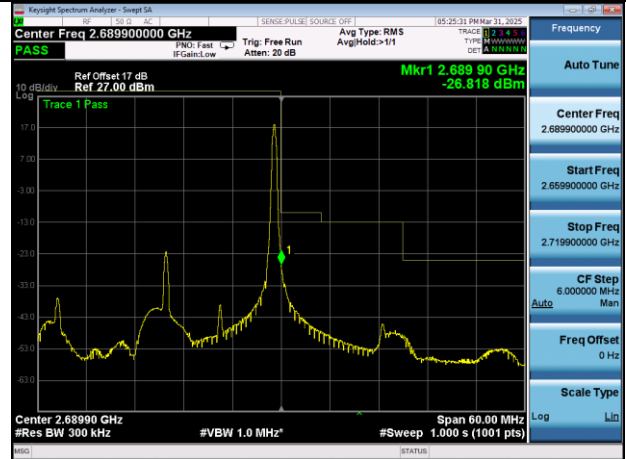


Highest channel

Test Mode: LTE Band 41 / 15MHz / 1 RB / QPSK

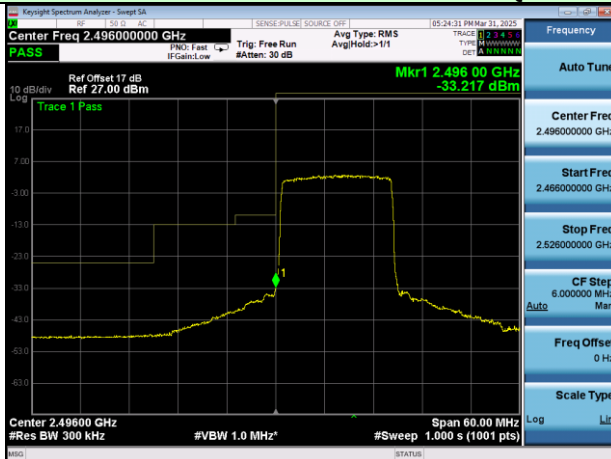


Lowest channel



Highest channel

Test Mode: LTE Band 41 / 15MHz / 75RB / QPSK

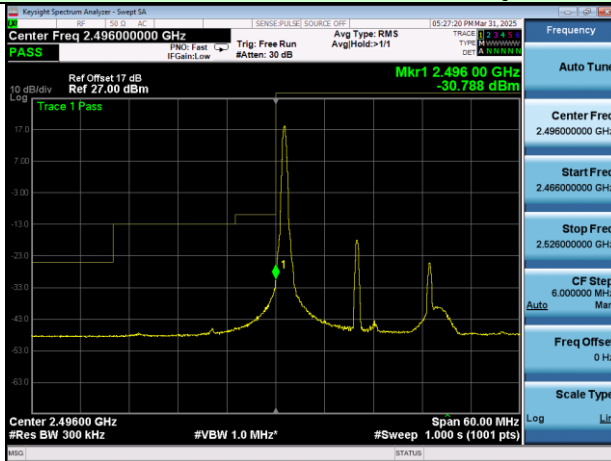


Lowest channel

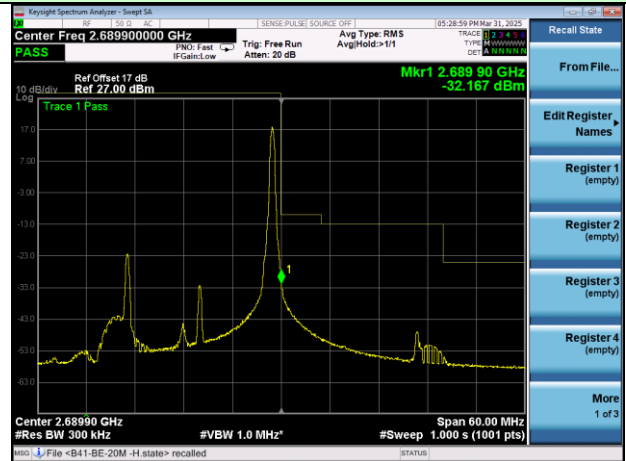


Highest channel

Test Mode: LTE Band 41 / 20MHz / 1RB / QPSK

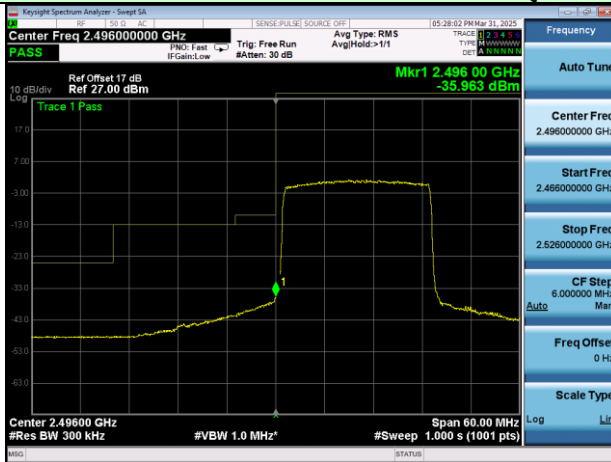


Lowest channel



Highest channel

Test Mode: LTE Band 41 / 20MHz / 100RB / QPSK

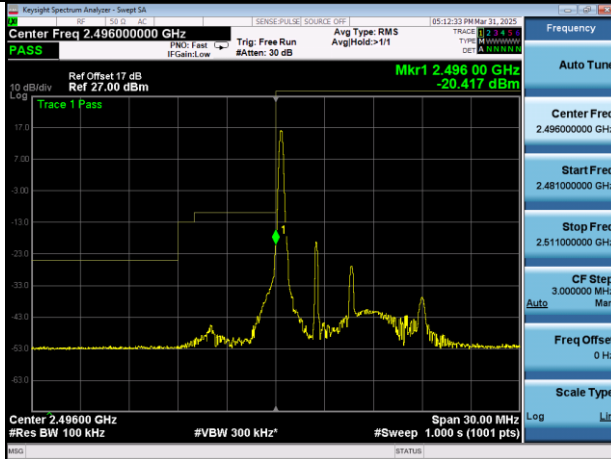


Lowest channel



Highest channel

Test Mode: LTE Band 41 / 5MHz / 1RB / 16-QAM

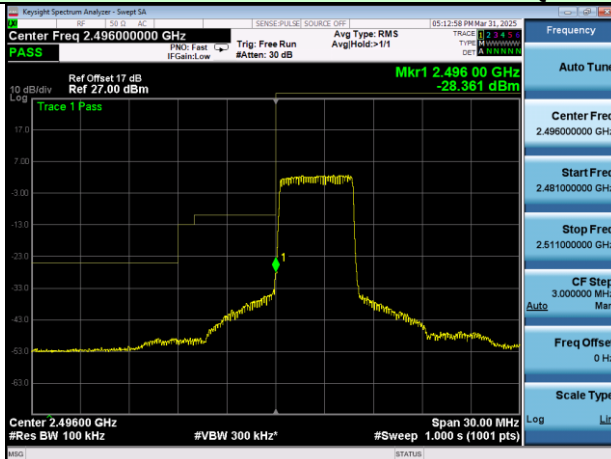


Lowest channel



Highest channel

Test Mode: LTE Band 41 / 5MHz / 25RB / 16-QAM

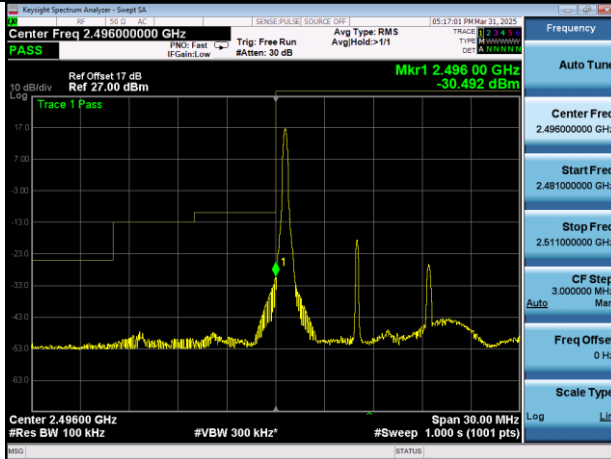


Lowest channel



Highest channel

Test Mode: LTE Band 41 / 10MHz / 1 RB / 16-QAM

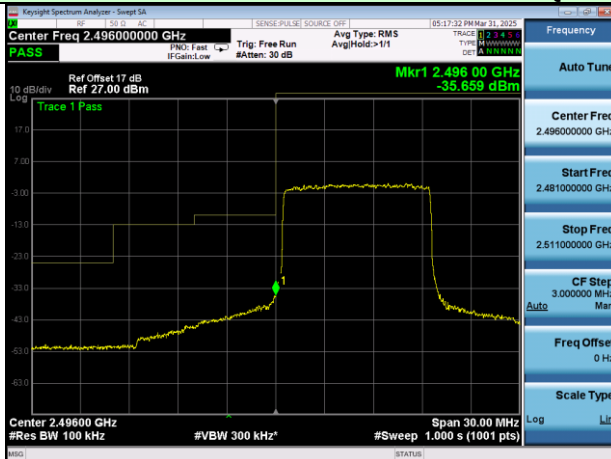


Lowest channel



Highest channel

Test Mode: LTE Band 41 / 10MHz / 50RB / 16-QAM

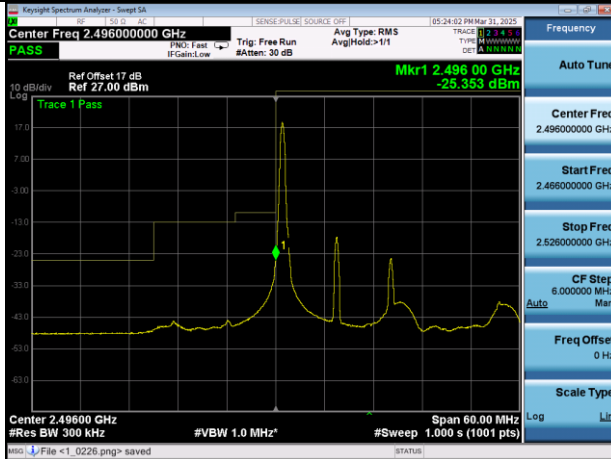


Lowest channel

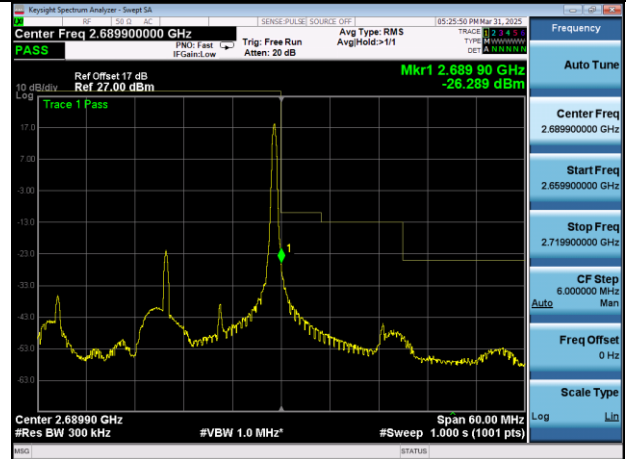


Highest channel

Test Mode: LTE Band 41 / 15MHz / 1 RB / 16-QAM

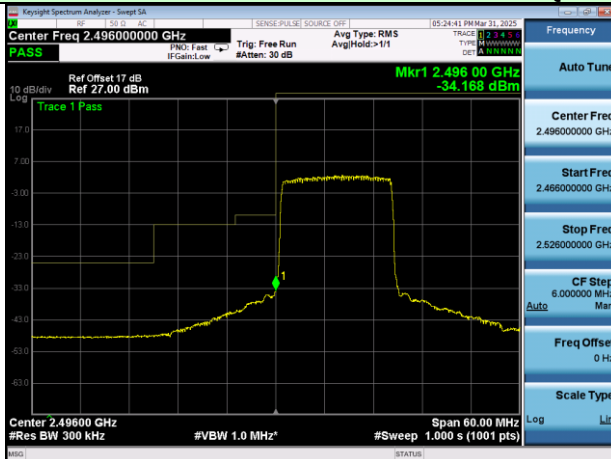


Lowest channel



Highest channel

Test Mode: LTE Band 41 / 15MHz / 75RB / 16-QAM

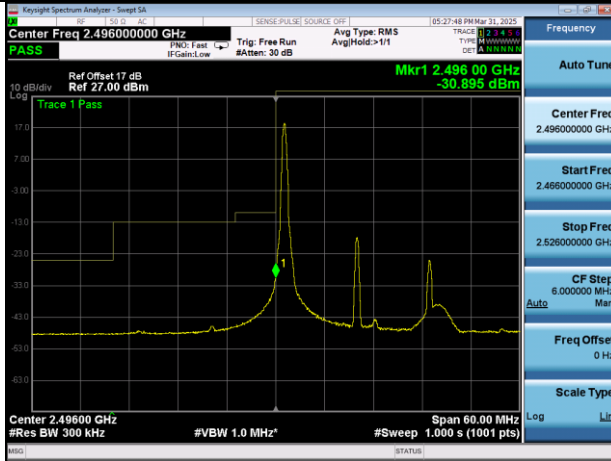


Lowest channel

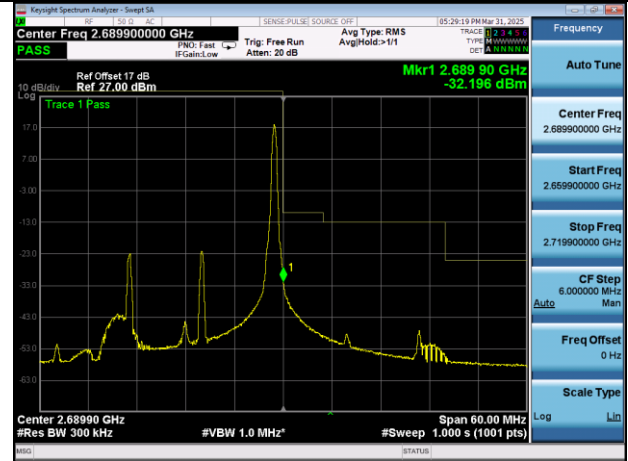


Highest channel

Test Mode: LTE Band 41 / 20MHz / 1RB / 16-QAM

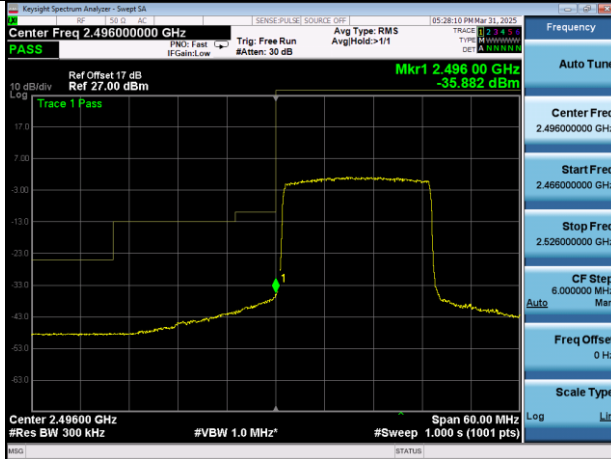


Lowest channel



Highest channel

Test Mode: LTE Band 41 / 20MHz / 100RB / 16-QAM



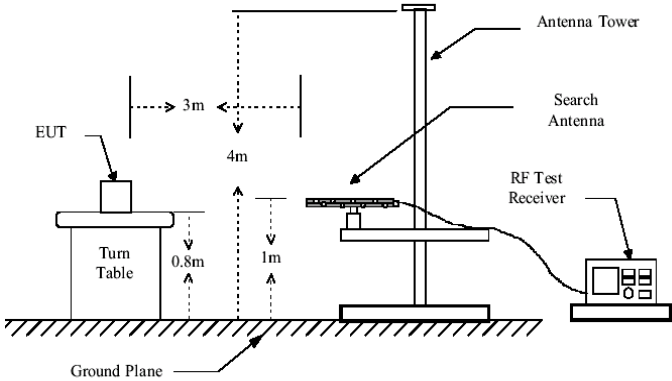
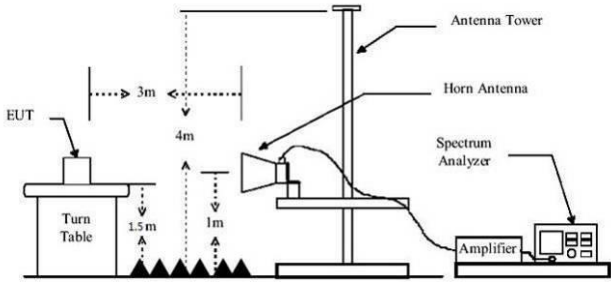
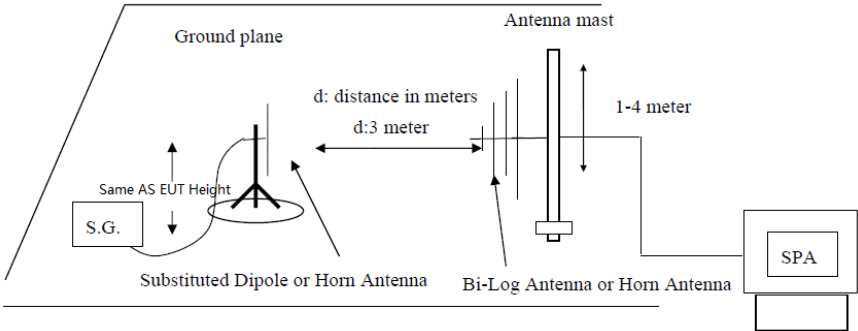
Lowest channel



Highest channel

Note: All bandwidth and modulation are tested, only the worst result is reported.

4.8 ERP, EIRP Measurement

Test Requirement:	FCC part22.913(a), FCC part24.232(b), FCC part 27.50(h) and FCC part 27.53
Test Method:	ANSI C63.26:2015
Limit:	LTE Band 2: 2W (EIRP) LTE Band 4: 1W (EIRP) LTE Band 5(Upper Band): [7W (ERP) for FCC] LTE Band 7: 2W (EIRP) LTE Band 12: 2W (ERP) LTE Band 13: 2W (ERP) LTE Band 41: 2W (EIRP)
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 measurement, the EUT was communication with the station. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna from 4m to 1m. The reading was recorded and the field strength (E in dBuV/m) was calculated. 3. ERP were measured using a substitution method. The EUT was replaced by dipole antenna connected, the S.G. output was recorded and ERP was calculated asfollows: $\text{ERP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBd)} - \text{Cable Loss (dB)}$ 4. EIRP were measured using a substitution method. The EUT was replaced by or horn antenna connected, the S.G. output was recorded and EIRP was calculated as follows: $\text{EIRP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBi)} - \text{Cable Loss (dB)}$
Test Instruments:	Refer to section 3 for details
Test mode:	Refer to section 4.1 for details
Test results:	Pass
Remark:	H, E1, E2 mean for EUT polarization of X, Y, Z

Measurement Data

EUT mode	RB Size	RB Offset	Channel	EUT Pol.	Antenna Pol.	EIRP (dBm)	Limit (dBm)	Result
LTE Band 2 (1.4MHz) QPSK	6	0	Lowest	H	V	23.43	33.00	Pass
					H	23.17		
				E1	V	23.52		
					H	23.62		
				E2	V	23.13		
					H	23.72		
	6	0	Middle	H	V	23.20	33.00	Pass
					H	23.55		
				E1	V	23.65		
					H	23.39		
				E2	V	23.46		
					H	23.47		
	6	0	Highest	H	V	23.54	33.00	Pass
					H	23.61		
				E1	V	23.41		
					H	23.47		
				E2	V	23.43		
					H	23.35		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 2 (3MHz) QPSK	Lowest	15	0	H	V	23.21	33.00	Pass
					H	23.00		
				E1	V	23.07		
					H	22.83		
				E2	V	23.09		
					H	23.05		
	Middle	15	0	H	V	23.15	33.00	Pass
					H	23.22		
				E1	V	23.02		
					H	23.24		
				E2	V	22.98		
					H	23.22		
	Highest	15	0	H	V	23.34	33.00	Pass
					H	23.20		
				E1	V	22.77		
					H	22.90		
				E2	V	23.30		
					H	23.37		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 2 (5MHz) QPSK	Lowest	25	0	H	V	22.72	33.00	Pass
					H	22.42		
				E1	V	22.72		
					H	22.76		
				E2	V	22.71		
					H	22.53		
	Middle	25	0	H	V	22.72	33.00	Pass
					H	22.55		
				E1	V	22.66		
					H	22.51		
				E2	V	22.95		
					H	22.87		
	Highest	25	0	H	V	22.50	33.00	Pass
					H	22.60		
				E1	V	22.66		
					H	22.96		
				E2	V	22.62		
					H	22.88		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 2 (10MHz) QPSK	Lowest	50	0	H	V	22.23	33.00	Pass
					H	22.24		
				E1	V	22.21		
					H	22.20		
				E2	V	22.13		
					H	22.36		
	Middle	50	0	H	V	22.10	33.00	Pass
					H	22.29		
				E1	V	22.33		
					H	22.21		
				E2	V	22.03		
					H	22.34		
	Highest	50	0	H	V	22.42	33.00	Pass
					H	22.04		
				E1	V	22.65		
					H	22.30		
				E2	V	22.40		
					H	22.30		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 2 (15MHz) QPSK	Lowest	75	0	H	V	21.70	33.00	Pass
					H	21.90		
				E1	V	21.97		
					H	21.96		
				E2	V	21.76		
					H	21.97		
	Middle	75	0	H	V	21.95	33.00	Pass
					H	22.21		
				E1	V	22.13		
					H	21.87		
				E2	V	22.23		
					H	21.66		
	Highest	75	0	H	V	22.24	33.00	Pass
					H	22.14		
				E1	V	22.00		
					H	21.73		
				E2	V	22.10		
					H	22.00		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 2 (20MHz) QPSK	Lowest	100	0	H	V	21.39	33.00	Pass
					H	21.34		
				E1	V	21.66		
					H	21.51		
				E2	V	21.60		
					H	21.53		
	Middle	100	0	H	V	21.67	33.00	Pass
					H	21.36		
				E1	V	21.28		
					H	21.43		
				E2	V	21.88		
					H	21.63		
	Highest	100	0	H	V	21.19	33.00	Pass
					H	21.46		
				E1	V	21.37		
					H	21.26		
				E2	V	21.52		
					H	21.42		

EUT mode	RB Size	RB Offset	Channel	EUT Pol.	Antenna Pol.	EIRP (dBm)	Limit (dBm)	Result
LTE Band 2 (1.4MHz) 16 QAM	6	0	Lowest	H	V	23.52	33.00	Pass
					H	23.40		
				E1	V	23.32		
					H	23.28		
				E2	V	23.40		
					H	23.53		
	6	0	Middle	H	V	23.59	33.00	Pass
					H	23.54		
				E1	V	23.31		
					H	23.57		
				E2	V	23.39		
					H	23.61		
	6	0	Highest	H	V	23.59	33.00	Pass
					H	23.28		
				E1	V	23.79		
					H	23.69		
				E2	V	23.16		
					H	23.85		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 2 (3MHz) 16 QAM	Lowest	15	0	H	V	23.05	33.00	Pass
					H	23.24		
				E1	V	23.21		
					H	23.10		
				E2	V	23.31		
					H	22.97		
	Middle	15	0	H	V	23.14	33.00	Pass
					H	23.04		
				E1	V	23.03		
					H	23.27		
				E2	V	22.99		
					H	22.87		
	Highest	15	0	H	V	23.05	33.00	Pass
					H	23.11		
				E1	V	23.03		
					H	22.99		
				E2	V	23.17		
					H	23.29		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 2 (5MHz) 16 QAM	Lowest	25	0	H	V	22.84	33.00	Pass
					H	22.98		
				E1	V	23.00		
					H	22.44		
				E2	V	22.67		
					H	22.61		
	Middle	25	0	H	V	22.67	33.00	Pass
					H	22.77		
				E1	V	22.65		
					H	22.66		
				E2	V	22.60		
					H	22.87		
	Highest	25	0	H	V	22.79	33.00	Pass
					H	22.95		
				E1	V	22.75		
					H	22.59		
				E2	V	22.78		
					H	22.49		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 2 (10MHz) 16 QAM	Lowest	50	0	H	V	22.52	33.00	Pass
					H	22.47		
				E1	V	22.31		
					H	22.38		
				E2	V	22.46		
					H	22.35		
	Middle	50	0	H	V	22.54	33.00	Pass
					H	22.39		
				E1	V	22.35		
					H	22.25		
				E2	V	22.18		
					H	22.33		
	Highest	50	0	H	V	22.43	33.00	Pass
					H	22.37		
				E1	V	22.01		
					H	22.11		
				E2	V	22.27		
					H	22.40		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 2 (15MHz) 16 QAM	Lowest	75	0	H	V	21.91	33.00	Pass
					H	22.05		
				E1	V	22.04		
					H	21.94		
				E2	V	22.15		
					H	21.63		
	Middle	75	0	H	V	21.72	33.00	Pass
					H	21.77		
				E1	V	22.11		
					H	22.00		
				E2	V	21.88		
					H	21.57		
	Highest	75	0	H	V	22.02	33.00	Pass
					H	21.68		
				E1	V	22.02		
					H	22.09		
				E2	V	21.80		
					H	21.98		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 2 (20MHz) 16 QAM	Lowest	100	0	H	V	21.85	33.00	Pass
					H	21.35		
				E1	V	21.81		
					H	21.16		
				E2	V	21.38		
					H	21.63		
	Middle	100	0	H	V	21.39	33.00	Pass
					H	21.31		
				E1	V	21.27		
					H	21.77		
				E2	V	21.69		
					H	21.64		
	Highest	100	0	H	V	21.51	33.00	Pass
					H	21.27		
				E1	V	21.60		
					H	21.33		
				E2	V	21.49		
					H	21.25		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 4 (1.4MHz) QPSK	Lowest	6	0	H	V	23.30	30.00	Pass
					H	23.37		
				E1	V	22.78		
					H	22.94		
				E2	V	22.90		
					H	23.31		
	Middle	6	0	H	V	23.16	30.00	Pass
					H	23.21		
				E1	V	23.30		
					H	23.27		
				E2	V	23.05		
					H	23.12		
	Highest	6	0	H	V	22.88	30.00	Pass
					H	23.07		
				E1	V	23.20		
					H	22.84		
				E2	V	23.08		
					H	23.27		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 4 (3MHz) QPSK	Lowest	15	0	H	V	22.68	30.00	Pass
					H	22.72		
				E1	V	22.29		
					H	22.84		
				E2	V	22.73		
					H	22.47		
	Middle	15	0	H	V	22.92	30.00	Pass
					H	22.39		
				E1	V	22.47		
					H	22.56		
				E2	V	22.41		
					H	22.40		
	Highest	15	0	H	V	22.62	30.00	Pass
					H	22.87		
				E1	V	22.71		
					H	22.73		
				E2	V	22.57		
					H	22.78		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 4 (5MHz) QPSK	Lowest	25	0	H	V	22.27	30.00	Pass
					H	22.33		
				E1	V	22.30		
					H	22.14		
				E2	V	22.29		
					H	22.35		
	Middle	25	0	H	V	22.47	30.00	Pass
					H	21.94		
				E1	V	22.10		
					H	22.12		
				E2	V	22.36		
					H	22.32		
	Highest	25	0	H	V	21.89	30.00	Pass
					H	22.45		
				E1	V	22.17		
					H	21.99		
				E2	V	22.12		
					H	22.17		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 4 (10MHz) QPSK	Lowest	50	0	H	V	21.98	30.00	Pass
					H	21.92		
				E1	V	21.53		
					H	21.63		
				E2	V	22.04		
					H	22.02		
	Middle	50	0	H	V	21.97	30.00	Pass
					H	21.75		
				E1	V	21.58		
					H	21.75		
				E2	V	21.85		
					H	21.61		
	Highest	50	0	H	V	22.01	30.00	Pass
					H	22.05		
				E1	V	21.93		
					H	21.60		
				E2	V	21.83		
					H	21.70		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 4 (15MHz) QPSK	Lowest	75	0	H	V	21.09	30.00	Pass
					H	21.49		
				E1	V	21.66		
					H	21.40		
				E2	V	21.58		
					H	21.34		
	Middle	75	0	H	V	21.26	30.00	Pass
					H	21.63		
				E1	V	21.63		
					H	21.35		
				E2	V	21.62		
					H	21.22		
	Highest	75	0	H	V	21.12	30.00	Pass
					H	21.11		
				E1	V	21.32		
					H	21.55		
				E2	V	21.21		
					H	21.37		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 4 (20MHz) QPSK	Lowest	100	0	H	V	20.82	30.00	Pass
					H	21.19		
				E1	V	21.29		
					H	21.27		
				E2	V	20.83		
					H	20.95		
	Middle	100	0	H	V	21.03	30.00	Pass
					H	20.71		
				E1	V	21.06		
					H	21.14		
				E2	V	20.75		
					H	20.67		
	Highest	100	0	H	V	21.01	30.00	Pass
					H	21.15		
				E1	V	21.25		
					H	21.03		
				E2	V	21.04		
					H	21.13		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 4 (1.4MHz) 16 QAM	Lowest	6	0	H	V	22.97	30.00	Pass
					H	22.95		
				E1	V	22.81		
					H	23.32		
				E2	V	23.45		
					H	22.92		
	Middle	6	0	H	V	23.37	30.00	Pass
					H	22.99		
				E1	V	23.17		
					H	22.97		
				E2	V	23.15		
					H	22.95		
	Highest	6	0	H	V	23.24	30.00	Pass
					H	23.10		
				E1	V	23.32		
					H	23.05		
				E2	V	23.04		
					H	22.93		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 4 (3MHz) 16 QAM	Lowest	15	0	H	V	22.97	30.00	Pass
					H	22.48		
				E1	V	22.37		
					H	22.55		
				E2	V	22.53		
					H	22.42		
	Middle	15	0	H	V	22.53	30.00	Pass
					H	22.50		
				E1	V	22.58		
					H	22.34		
				E2	V	22.51		
					H	22.68		
	Highest	15	0	H	V	22.57	30.00	Pass
					H	22.45		
				E1	V	22.33		
					H	22.29		
				E2	V	22.38		
					H	22.58		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 4 (5MHz) 16 QAM	Lowest	25	0	H	V	22.05	30.00	Pass
					H	22.17		
				E1	V	21.94		
					H	22.50		
				E2	V	22.21		
					H	22.55		
	Middle	25	0	H	V	22.14	30.00	Pass
					H	22.40		
				E1	V	22.27		
					H	21.92		
				E2	V	22.26		
					H	22.28		
	Highest	25	0	H	V	22.13	30.00	Pass
					H	21.95		
				E1	V	22.06		
					H	22.34		
				E2	V	22.04		
					H	22.32		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 4 (10MHz) 16 QAM	Lowest	50	0	H	V	21.54	30.00	Pass
					H	21.99		
				E1	V	21.87		
					H	22.16		
				E2	V	21.94		
					H	21.85		
	Middle	50	0	H	V	21.57	30.00	Pass
					H	21.95		
				E1	V	21.74		
					H	22.02		
				E2	V	21.63		
					H	21.76		
	Highest	50	0	H	V	21.56	30.00	Pass
					H	21.61		
				E1	V	21.61		
					H	21.71		
				E2	V	21.77		
					H	21.94		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 4 (15MHz) 16 QAM	Lowest	75	0	H	V	21.43	30.00	Pass
					H	21.31		
				E1	V	21.27		
					H	21.56		
				E2	V	21.50		
					H	21.40		
	Middle	75	0	H	V	21.55	30.00	Pass
					H	21.53		
				E1	V	21.44		
					H	21.35		
				E2	V	21.33		
					H	21.21		
	Highest	75	0	H	V	21.35	30.00	Pass
					H	21.31		
				E1	V	21.38		
					H	21.20		
				E2	V	21.44		
					H	21.18		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 4 (20MHz) 16 QAM	Lowest	100	0	H	V	21.00	30.00	Pass
					H	20.89		
				E1	V	21.02		
					H	20.68		
				E2	V	21.11		
					H	20.98		
	Middle	100	0	H	V	21.06	30.00	Pass
					H	21.01		
				E1	V	20.92		
					H	20.87		
				E2	V	21.00		
					H	20.77		
	Highest	100	0	H	V	20.88	30.00	Pass
					H	20.90		
				E1	V	21.08		
					H	20.90		
				E2	V	20.65		
					H	21.31		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
LTE Band 5 (1.4MHz) QPSK	Lowest	6	0	H	V	23.30	38.45	Pass
					H	23.71		
				E1	V	23.47		
					H	23.29		
				E2	V	23.41		
					H	23.58		
	Middle	6	0	H	V	23.34	38.45	Pass
					H	23.61		
				E1	V	23.43		
					H	23.00		
				E2	V	23.16		
					H	23.69		
	Highest	6	0	H	V	23.47	38.45	Pass
					H	23.38		
				E1	V	23.09		
					H	23.28		
				E2	V	23.65		
					H	23.28		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
LTE Band 5 (3MHz) QPSK	Lowest	15	0	H	V	22.68	38.45	Pass
					H	23.15		
				E1	V	22.91		
					H	22.64		
				E2	V	22.66		
					H	22.89		
	Middle	15	0	H	V	23.20	38.45	Pass
					H	22.85		
				E1	V	22.81		
					H	22.84		
				E2	V	23.13		
					H	22.74		
	Highest	15	0	H	V	23.12	38.45	Pass
					H	22.94		
				E1	V	22.85		
					H	22.79		
				E2	V	23.00		
					H	22.84		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
LTE Band 5 (5MHz) QPSK	Lowest	25	0	H	V	22.67	38.45	Pass
					H	22.52		
				E1	V	22.34		
					H	22.63		
				E2	V	22.61		
					H	22.28		
	Middle	25	0	H	V	22.16	38.45	Pass
					H	22.27		
				E1	V	22.35		
					H	22.39		
				E2	V	22.33		
					H	22.24		
	Highest	25	0	H	V	22.16	38.45	Pass
					H	22.20		
				E1	V	22.26		
					H	22.64		
				E2	V	22.55		
					H	22.66		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
LTE Band 5 (10MHz) QPSK	Lowest	50	0	H	V	22.03	38.45	Pass
					H	21.65		
				E1	V	21.74		
					H	21.71		
				E2	V	22.03		
					H	21.78		
	Middle	50	0	H	V	21.70	38.45	Pass
					H	21.86		
				E1	V	22.16		
					H	21.68		
				E2	V	21.91		
					H	21.90		
	Highest	50	0	H	V	21.96	38.45	Pass
					H	22.18		
				E1	V	21.82		
					H	21.95		
				E2	V	21.68		
					H	21.73		

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	23.41	38.45	Pass
					H	23.37		
				E1	V	23.03		
					H	23.50		
				E2	V	23.38		
					H	23.62		
	Middle	6	0	H	V	23.42	38.45	Pass
					H	23.28		
				E1	V	23.55		
					H	23.60		
				E2	V	23.42		
					H	23.12		
	Highest	6	0	H	V	23.06	38.45	Pass
					H	23.43		
				E1	V	23.17		
					H	23.72		
				E2	V	23.45		
					H	23.29		

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	22.66	38.45	Pass
					H	22.74		
				E1	V	22.58		
					H	22.88		
				E2	V	22.64		
					H	22.95		
	Middle	15	0	H	V	22.80	38.45	Pass
					H	22.90		
				E1	V	22.91		
					H	22.74		
				E2	V	22.87		
					H	23.07		
	Highest	15	0	H	V	23.02	38.45	Pass
					H	22.66		
				E1	V	22.75		
					H	23.03		
				E2	V	22.86		
					H	22.92		

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	22.45	38.45	Pass
					H	22.28		
				E1	V	22.68		
					H	22.39		
				E2	V	22.57		
					H	22.63		
	Middle	25	0	H	V	22.65	38.45	Pass
					H	22.39		
				E1	V	22.30		
					H	22.58		
				E2	V	22.10		
					H	22.38		
	Highest	25	0	H	V	22.14	38.45	Pass
					H	22.62		
				E1	V	22.33		
					H	22.54		
				E2	V	22.05		
					H	22.46		

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	21.72	38.45	Pass
					H	21.85		
				E1	V	21.88		
					H	21.66		
				E2	V	22.02		
					H	21.79		
	Middle	50	0	H	V	22.22	38.45	Pass
					H	21.81		
				E1	V	21.65		
					H	22.11		
				E2	V	21.92		
					H	22.13		
	Highest	50	0	H	V	21.54	38.45	Pass
					H	21.84		
				E1	V	21.83		
					H	22.27		
				E2	V	22.09		
					H	21.83		

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	23.10	33.00	Pass
					H	23.31		
				E1	V	23.33		
					H	23.07		
				E2	V	23.48		
					H	23.35		
	Middle	25	0	H	V	23.19	33.00	Pass
					H	23.08		
				E1	V	23.29		
					H	23.26		
				E2	V	22.92		
					H	23.37		
	Highest	25	0	H	V	23.15	33.00	Pass
					H	23.35		
				E1	V	23.04		
					H	23.37		
				E2	V	23.36		
					H	22.96		

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	22.33	33.00	Pass
					H	22.10		
				E1	V	22.31		
					H	22.46		
				E2	V	22.34		
					H	22.74		
	Middle	50	0	H	V	22.22	33.00	Pass
					H	22.43		
				E1	V	22.38		
					H	22.44		
				E2	V	22.15		
					H	22.35		
	Highest	50	0	H	V	22.41	33.00	Pass
					H	22.52		
				E1	V	22.51		
					H	22.31		
				E2	V	22.21		
					H	22.43		

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	22.29	33.00	Pass
					H	22.05		
				E1	V	22.09		
					H	22.15		
				E2	V	22.17		
					H	22.05		
	Middle	75	0	H	V	22.21	33.00	Pass
					H	22.05		
				E1	V	22.24		
					H	22.04		
				E2	V	22.08		
					H	21.80		
	Highest	75	0	H	V	22.11	33.00	Pass
					H	21.99		
				E1	V	22.00		
					H	22.13		
				E2	V	21.91		
					H	22.04		

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	22.29	33.00	Pass
					H	22.05		
				E1	V	22.09		
					H	22.15		
				E2	V	22.17		
					H	22.05		
	Middle	100	0	H	V	22.21	33.00	Pass
					H	22.05		
				E1	V	22.24		
					H	22.04		
				E2	V	22.08		
					H	21.80		
	Highest	100	0	H	V	22.11	33.00	Pass
					H	21.99		
				E1	V	22.00		
					H	22.13		
				E2	V	21.91		
					H	22.04		

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	23.56	33.00	Pass
					H	22.97		
				E1	V	23.19		
					H	22.93		
				E2	V	22.92		
					H	23.17		
	Middle	25	0	H	V	22.98	33.00	Pass
					H	23.42		
				E1	V	23.12		
					H	23.02		
				E2	V	23.05		
					H	23.12		
	Highest	25	0	H	V	23.30	33.00	Pass
					H	23.13		
				E1	V	23.25		
					H	23.26		
				E2	V	23.32		
					H	23.17		

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	22.62	33.00	Pass
					H	22.67		
				E1	V	22.61		
					H	22.62		
				E2	V	22.79		
					H	22.51		
	Middle	50	0	H	V	22.96	33.00	Pass
					H	22.51		
				E1	V	22.69		
					H	22.87		
				E2	V	22.50		
					H	22.95		
	Highest	50	0	H	V	22.96	33.00	Pass
					H	22.50		
				E1	V	22.65		
					H	22.48		
				E2	V	22.87		
					H	22.79		

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	22.31	33.00	Pass
					H	22.43		
				E1	V	22.09		
					H	22.16		
				E2	V	22.47		
					H	22.07		
	Middle	75	0	H	V	22.13	33.00	Pass
					H	22.27		
				E1	V	22.16		
					H	22.14		
				E2	V	22.07		
					H	22.22		
	Highest	75	0	H	V	22.17	33.00	Pass
					H	21.95		
				E1	V	22.12		
					H	22.22		
				E2	V	22.34		
					H	22.42		

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	21.36	33.00	Pass
					H	21.53		
				E1	V	21.25		
					H	21.78		
				E2	V	21.33		
					H	21.12		
	Middle	100	0	H	V	21.48	33.00	Pass
					H	21.37		
				E1	V	21.11		
					H	21.68		
				E2	V	21.56		
					H	21.53		
	Highest	100	0	H	V	21.45	33.00	Pass
					H	21.46		
				E1	V	21.36		
					H	21.86		
				E2	V	21.30		
					H	21.30		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
LTE Band 12 (1.4MHz) QPSK	Lowest	6	0	H	V	23.10	33.00	Pass
					H	23.34		
				E1	V	23.11		
					H	23.18		
				E2	V	23.62		
					H	23.46		
	Middle	6	0	H	V	23.38	33.00	Pass
					H	23.13		
				E1	V	23.17		
					H	23.25		
				E2	V	23.23		
					H	23.11		
	Highest	6	0	H	V	23.12	33.00	Pass
					H	23.29		
				E1	V	23.11		
					H	23.23		
				E2	V	23.62		
					H	23.17		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
LTE Band 12 (3MHz) QPSK	Lowest	15	0	H	V	22.82	33.00	Pass
					H	22.89		
				E1	V	22.98		
					H	22.90		
				E2	V	22.91		
					H	22.78		
	Middle	15	0	H	V	22.69	33.00	Pass
					H	22.68		
				E1	V	23.22		
					H	22.95		
				E2	V	22.62		
					H	22.91		
	Highest	15	0	H	V	23.00	33.00	Pass
					H	22.76		
				E1	V	22.77		
					H	23.00		
				E2	V	22.91		
					H	22.81		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
LTE Band 12 (5MHz) QPSK	Lowest	25	0	H	V	22.35	33.00	Pass
					H	22.31		
				E1	V	22.49		
					H	22.44		
				E2	V	22.25		
					H	22.49		
	Middle	25	0	H	V	22.56	33.00	Pass
					H	22.37		
				E1	V	22.02		
					H	22.60		
				E2	V	22.37		
					H	22.17		
	Highest	25	0	H	V	22.39	33.00	Pass
					H	22.55		
				E1	V	22.39		
					H	22.62		
				E2	V	22.58		
					H	22.14		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
LTE Band 12 (10MHz) QPSK	Lowest	50	0	H	V	21.99	33.00	Pass
					H	22.07		
				E1	V	21.93		
					H	21.96		
				E2	V	21.98		
					H	21.78		
	Middle	50	0	H	V	21.65	33.00	Pass
					H	21.52		
				E1	V	22.11		
					H	21.81		
				E2	V	21.80		
					H	21.71		
	Highest	50	0	H	V	21.73	33.00	Pass
					H	22.00		
				E1	V	22.00		
					H	21.66		
				E2	V	21.81		
					H	21.95		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
LTE Band 12 (1.4MHz) 16QAM	Lowest	6	0	H	V	23.62	33.00	Pass
					H	23.46		
				E1	V	23.14		
					H	23.64		
				E2	V	23.62		
					H	23.33		
	Middle	6	0	H	V	23.25	33.00	Pass
					H	23.44		
				E1	V	23.42		
					H	23.51		
				E2	V	23.32		
					H	23.25		
	Highest	6	0	H	V	23.20	33.00	Pass
					H	23.65		
				E1	V	23.59		
					H	23.35		
				E2	V	23.27		
					H	23.49		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
LTE Band 12 (3MHz) 16QAM	Lowest	15	0	H	V	22.76	33.00	Pass
					H	23.08		
				E1	V	22.70		
					H	22.73		
				E2	V	22.72		
					H	23.16		
	Middle	15	0	H	V	23.07	33.00	Pass
					H	22.60		
				E1	V	23.19		
					H	22.54		
				E2	V	22.71		
					H	23.11		
	Highest	15	0	H	V	22.63	33.00	Pass
					H	23.06		
				E1	V	22.97		
					H	22.71		
				E2	V	22.79		
					H	23.06		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
LTE Band 12 (5MHz) 16QAM	Lowest	25	0	H	V	22.48	33.00	Pass
					H	22.50		
				E1	V	22.38		
					H	22.41		
				E2	V	22.31		
					H	22.29		
	Middle	25	0	H	V	22.51	33.00	Pass
					H	22.50		
				E1	V	22.66		
					H	22.26		
				E2	V	22.49		
					H	22.65		
	Highest	25	0	H	V	22.44	33.00	Pass
					H	22.42		
				E1	V	22.57		
					H	22.29		
				E2	V	22.14		
					H	22.64		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
LTE Band 12 (10MHz) 16QAM	Lowest	50	0	H	V	21.59	33.00	Pass
					H	21.94		
				E1	V	21.65		
					H	21.68		
				E2	V	21.85		
					H	22.11		
	Middle	50	0	H	V	21.88	33.00	Pass
					H	21.86		
				E1	V	22.07		
					H	21.92		
				E2	V	21.94		
					H	21.71		
	Highest	50	0	H	V	22.14	33.00	Pass
					H	21.89		
				E1	V	22.12		
					H	22.24		
				E2	V	21.75		
					H	21.95		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
LTE Band 13 (5MHz) QPSK	Lowest	25	0	H	V	22.78	34.77	Pass
					H	22.72		
				E1	V	23.08		
					H	22.78		
				E2	V	22.69		
					H	23.12		
	Middle	25	0	H	V	23.11	34.77	Pass
					H	23.00		
				E1	V	23.27		
					H	23.02		
				E2	V	23.10		
					H	22.90		
	Highest	25	0	H	V	22.91	34.77	Pass
					H	23.34		
				E1	V	23.11		
					H	22.80		
				E2	V	22.70		
					H	23.27		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
LTE Band 13 (10MHz) QPSK	Middle	50	0	H	V	22.18	34.77	Pass
					H	22.33		
				E1	V	22.19		
					H	22.04		
				E2	V	22.21		
					H	22.36		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
LTE Band 13 (5MHz) 16QAM	Lowest	25	0	H	V	23.14	34.77	Pass
					H	23.28		
				E1	V	23.08		
					H	22.91		
				E2	V	22.68		
					H	23.08		
	Middle	25	0	H	V	23.21	34.77	Pass
					H	22.95		
				E1	V	22.96		
					H	23.37		
				E2	V	23.03		
					H	22.92		
	Highest	25	0	H	V	22.97	34.77	Pass
					H	22.71		
				E1	V	22.77		
					H	22.75		
				E2	V	23.11		
					H	23.00		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
LTE Band 13 (10MHz) 16QAM	Middle	50	0	H	V	22.31	34.77	Pass
					H	22.03		
				E1	V	22.12		
					H	22.48		
				E2	V	22.29		
					H	22.39		

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	23.37	33.00	Pass
					H	23.41		
				E1	V	23.31		
					H	23.22		
				E2	V	23.40		
					H	23.45		
	Middle	25	0	H	V	23.25	33.00	Pass
					H	23.27		
				E1	V	23.50		
					H	23.05		
				E2	V	23.18		
					H	23.28		
	Highest	25	0	H	V	23.49	33.00	Pass
					H	23.44		
				E1	V	23.51		
					H	23.18		
				E2	V	23.19		
					H	23.21		

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	22.44	33.00	Pass
					H	22.86		
				E1	V	22.54		
					H	23.14		
				E2	V	22.84		
					H	23.02		
	Middle	50	0	H	V	22.72	33.00	Pass
					H	22.72		
				E1	V	23.07		
					H	23.03		
				E2	V	22.69		
					H	23.07		
	Highest	50	0	H	V	22.82	33.00	Pass
					H	22.76		
				E1	V	22.86		
					H	23.09		
				E2	V	22.90		
					H	23.02		

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	22.13	33.00	Pass
					H	22.40		
				E1	V	22.06		
					H	22.32		
				E2	V	22.02		
					H	22.48		
	Middle	75	0	H	V	22.47	33.00	Pass
					H	22.42		
				E1	V	22.01		
					H	22.59		
				E2	V	22.01		
					H	22.24		
	Highest	75	0	H	V	22.09	33.00	Pass
					H	22.08		
				E1	V	22.24		
					H	22.29		
				E2	V	22.25		
					H	22.19		

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	21.69	33.00	Pass
					H	21.66		
				E1	V	21.43		
					H	21.74		
				E2	V	21.41		
					H	21.73		
	Middle	100	0	H	V	21.72	33.00	Pass
					H	21.63		
				E1	V	21.56		
					H	21.44		
				E2	V	21.30		
					H	21.70		
	Highest	100	0	H	V	21.45	33.00	Pass
					H	21.61		
				E1	V	21.74		
					H	21.98		
				E2	V	21.25		
					H	21.94		

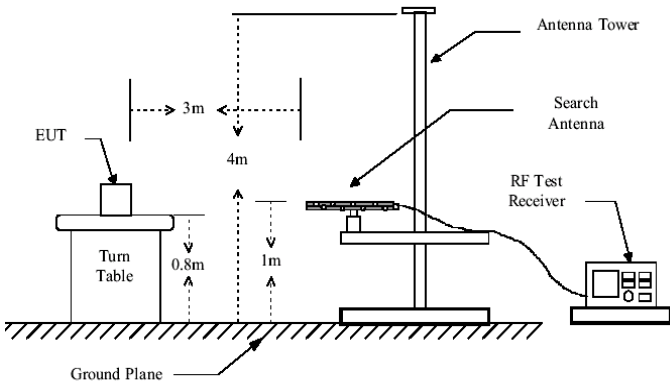
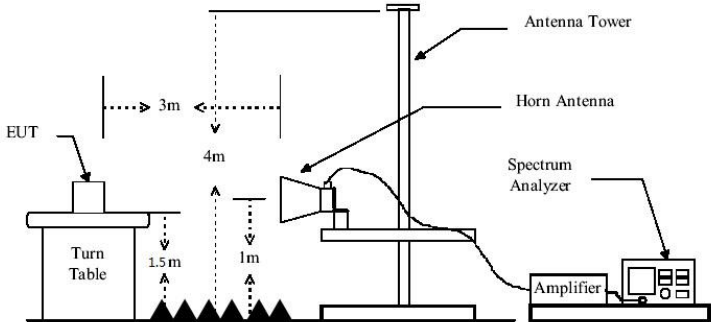
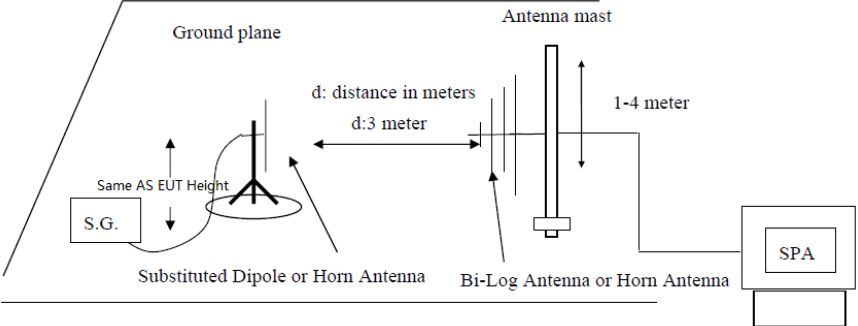
EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 41 (5MHz) 16 QAM	Lowest	25	0	H	V	23.29	33.00	Pass
					H	23.35		
				E1	V	23.34		
					H	23.49		
				E2	V	23.23		
					H	23.41		
	Middle	25	0	H	V	23.28	33.00	Pass
					H	23.11		
				E1	V	23.24		
					H	23.67		
				E2	V	23.52		
					H	23.29		
	Highest	25	0	H	V	23.33	33.00	Pass
					H	23.29		
				E1	V	23.31		
					H	23.33		
				E2	V	23.31		
					H	23.23		

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	22.61	33.00	Pass
					H	22.34		
				E1	V	22.43		
					H	22.43		
				E2	V	22.81		
					H	22.74		
	Middle	50	0	H	V	22.85	33.00	Pass
					H	22.61		
				E1	V	22.80		
					H	22.71		
				E2	V	22.55		
					H	22.50		
	Highest	50	0	H	V	22.60	33.00	Pass
					H	22.90		
				E1	V	22.68		
					H	22.94		
				E2	V	22.92		
					H	22.95		

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	22.23	33.00	Pass
					H	21.98		
				E1	V	22.16		
					H	22.20		
				E2	V	22.38		
					H	22.51		
	Middle	75	0	H	V	22.09	33.00	Pass
					H	22.42		
				E1	V	21.86		
					H	21.98		
				E2	V	22.07		
					H	22.26		
	Highest	75	0	H	V	22.48	33.00	Pass
					H	22.27		
				E1	V	22.29		
					H	22.08		
				E2	V	22.19		
					H	22.37		

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	21.63	33.00	Pass
					H	22.00		
				E1	V	21.69		
					H	21.82		
				E2	V	22.01		
					H	21.85		
	Middle	100	0	H	V	21.87	33.00	Pass
					H	21.58		
				E1	V	21.93		
					H	21.84		
				E2	V	21.77		
					H	21.92		
	Highest	100	0	H	V	22.03	33.00	Pass
					H	21.56		
				E1	V	21.74		
					H	21.82		
				E2	V	21.42		
					H	21.88		

4.9 Field strength of spurious radiation measurement

Test Requirement:	FCC part22.913(a), FCC part24.238(a) and FCC part27.53
Test Method:	ANSI C63.26:2015
Limit:	Band 2/4/5/12/17/26:-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)		
3700.06	V	-38.41	-13.00	Pass
5549.94	V	-34.81		
7399.89	V	-32.70		
9250.18	V	-32.37		
11099.80	V	-30.51		
3699.93	H	-37.89	-13.00	Pass
5549.82	H	-33.96		
7400.07	H	-32.35		
9250.12	H	-32.01		
11099.61	H	-29.49		
Test mode:	LTE Band 2(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3759.79	V	-38.03	-13.00	Pass
5640.15	V	-34.78		
7519.79	V	-32.54		
9399.86	V	-32.29		
11279.83	V	-30.22		
3760.13	H	-38.17	-13.00	Pass
5639.75	H	-33.89		
7519.89	H	-32.34		
9399.92	H	-32.16		
11280.06	H	-29.89		
Test mode:	LTE Band 2(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3819.54	V	-38.50	-13.00	Pass
5729.56	V	-35.58		
7639.71	V	-35.46		
9549.62	V	-32.55		
11459.23	V	-29.86		
3819.44	H	-38.89	-13.00	Pass
5729.62	H	-36.99		
7639.36	H	-34.80		
9549.16	H	-32.74		
11459.18	H	-29.51		

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.
4. All modes have been tested, and only worst data was listed in this report.(1.4MHz)

Test mode:	LTE Band 4(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3419.87	V	-38.15	-13.00	Pass
5130.07	V	-34.88		
6839.91	V	-32.70		
8549.90	V	-32.50		
10259.91	V	-30.28		
3419.60	H	-38.23	-13.00	Pass
5130.11	H	-33.68		
6839.94	H	-32.48		
8550.03	H	-32.02		
10259.91	H	-29.28		
Test mode:	LTE Band 4(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3464.87	V	-38.00	-13.00	Pass
5197.30	V	-34.93		
6930.04	V	-32.38		
8662.32	V	-32.24		
10394.78	V	-30.09		
3465.01	H	-38.09	-13.00	Pass
5197.40	H	-33.91		
6929.77	H	-32.20		
8662.41	H	-31.91		
10395.16	H	-30.12		
Test mode:	LTE Band 4(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3509.56	V	-38.20	-13.00	Pass
5264.38	V	-36.00		
7019.71	V	-35.64		
8774.20	V	-32.46		
10529.28	V	-30.02		
3509.70	H	-38.99	-13.00	Pass
5264.52	H	-37.11		
7019.59	H	-34.82		
8774.42	H	-33.05		
10529.57	H	-29.79		

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.
4. All modes have been tested, and only worst data was listed in this report.(1.4MHz)

Test mode:	LTE Band 5(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1647.78	V	-38.43	-13.00	Pass
2471.61	V	-34.81		
3296.04	V	-32.59		
4119.95	V	-32.40		
4943.62	V	-30.43		
1647.73	H	-37.92	-13.00	Pass
2471.97	H	-33.95		
3295.83	H	-32.31		
4120.02	H	-32.06		
4943.99	H	-29.66		
Test mode:	LTE Band 5(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1672.76	V	-38.04	-13.00	Pass
2509.57	V	-34.75		
3345.87	V	-32.39		
4182.48	V	-32.19		
5019.11	V	-30.21		
1672.85	H	-38.11	-13.00	Pass
2509.16	H	-33.99		
3345.88	H	-32.53		
4182.15	H	-31.97		
5018.70	H	-29.78		
Test mode:	LTE Band 5(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1697.96	V	-38.34	-13.00	Pass
2546.46	V	-35.66		
3395.45	V	-35.60		
4244.28	V	-32.21		
5093.47	V	-29.52		
1697.52	H	-38.92	-13.00	Pass
2546.58	H	-37.32		
3395.39	H	-34.81		
4244.53	H	-32.90		
5093.53	H	-29.66		

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.
4. All modes have been tested, and only worst data was listed in this report.(5MHz)

Test mode:	LTE Band 7(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5000.07	V	-38.35	-25.00	Pass
7499.88	V	-35.00		
10000.09	V	-32.47		
12499.64	V	-32.30		
14999.93	V	-30.37		
5000.17	H	-38.25	-25.00	Pass
7499.79	H	-33.88		
9999.62	H	-32.54		
12499.95	H	-32.11		
15000.12	H	-29.35		
Test mode:	LTE Band 7(5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5070.03	V	-38.33	-25.00	Pass
7604.92	V	-34.66		
10140.20	V	-32.57		
12675.00	V	-32.32		
15209.70	V	-29.93		
5069.98	H	-38.19	-25.00	Pass
7604.87	H	-34.28		
10139.91	H	-32.30		
12674.88	H	-32.14		
15209.97	H	-29.91		
Test mode:	LTE Band 7(5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5139.56	V	-38.16	-25.00	Pass
7709.55	V	-35.90		
10279.45	V	-35.58		
12849.69	V	-32.21		
15419.14	V	-29.71		
5139.78	H	-38.86	-25.00	Pass
7709.73	H	-37.04		
10279.26	H	-34.87		
12849.43	H	-33.06		
15419.17	H	-29.70		

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.
4. All modes have been tested, and only worst data was listed in this report.(5MHz)

Test mode:	LTE Band 12(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1397.77	V	-38.14	-13.00	Pass
2096.99	V	-35.01		
2795.91	V	-32.42		
3495.14	V	-32.28		
4193.69	V	-30.36		
1398.11	H	-38.11	-13.00	Pass
2097.01	H	-33.51		
2795.93	H	-32.17		
3495.14	H	-31.92		
4193.68	H	-29.30		
Test mode:	LTE Band 12(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1414.84	V	-38.31	-13.00	Pass
2122.51	V	-34.74		
2829.80	V	-32.75		
3537.56	V	-32.27		
4244.96	V	-29.93		
1414.94	H	-37.89	-13.00	Pass
2122.52	H	-34.22		
2829.85	H	-32.26		
3537.39	H	-32.01		
4244.82	H	-30.08		
Test mode:	LTE Band 12(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1431.85	V	-38.21	-13.00	Pass
2147.80	V	-35.77		
2863.73	V	-35.63		
3579.29	V	-32.33		
4295.29	V	-29.59		
1431.71	H	-38.78	-13.00	Pass
2147.37	H	-37.27		
2863.29	H	-34.87		
3579.31	H	-32.96		
4295.33	H	-29.62		

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.
- 4 All modes have been tested, and only worst data was listed in this report.(1.4MHz)

Test mode:	LTE Band 13(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1559.14	V	-43.31	-40.00	Pass
768.73	V	-38.05	-35.00	Pass
801.90	V	-38.64	-35.00	Pass
5068.82	V	-33.75	-13.00	Pass
7603.87	V	-30.78		
10139.34	V	-29.19		
12674.27	V	-31.01		
15209.16	H	-30.02		
1558.57	H	-46.14	-40.00	Pass
766.84	H	-40.06	-35.00	Pass
797.71	H	-38.39	-35.00	Pass
5003.80	H	-33.23	-13.00	Pass
7506.86	H	-30.68		
10009.49	H	-31.76		
12511.47	H	-27.57		
15014.01	H	-30.02		
Test mode:	LTE Band 13(5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1563.95	V	-43.09	-40.00	Pass
765.47	V	-37.85	-35.00	Pass
805.23	V	-38.57	-35.00	Pass
5068.52	V	-33.54	-13.00	Pass
7603.97	V	-30.91		
10139.47	V	-29.04		
12674.58	V	-30.85		
15209.22	H	-29.96		
1563.69	H	-45.96	-40.00	Pass
772.92	H	-40.36	-35.00	Pass
794.76	H	-38.31	-35.00	Pass
5004.46	H	-33.24	-13.00	Pass
7506.00	H	-30.80		
10009.94	H	-31.55		
12511.25	H	-27.87		
15014.22	H	-30.03		

Test mode:	LTE Band 13(5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1568.85	V	-43.24	-40.00	Pass
763.13	V	-37.75	-35.00	Pass
804.99	V	-38.88	-35.00	Pass
5068.94	V	-33.94	-13.00	Pass
7604.02	V	-30.72		
10139.64	V	-29.12		
12674.52	V	-31.07		
15209.13	H	-29.98		
1568.38	H	-45.86	-40.00	Pass
767.63	H	-40.13	-35.00	Pass
793.17	H	-38.56	-35.00	Pass
5004.02	H	-33.30	-13.00	Pass
7506.09	H	-30.58		
10009.94	H	-31.91		
12511.06	H	-27.51		
15014.10	H	-30.09		

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.
- 4 All modes have been tested, and only worst data was listed in this report.(5MHz)

Test mode:	LTE Band 41(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
4991.92	V	-38.49	-25.00	Pass
7488.17	V	-34.93		
9984.01	V	-32.50		
12479.75	V	-32.17		
14976.17	V	-30.49		
4991.82	H	-37.93	-25.00	Pass
7488.13	H	-33.74		
9983.97	H	-32.52		
12479.96	H	-32.05		
14976.13	H	-29.59		
Test mode:	LTE Band 41(5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5185.83	V	-38.31	-25.00	Pass
7778.85	V	-34.66		
10371.85	V	-32.79		
12964.94	V	-32.23		
15558.03	V	-30.01		
5186.11	H	-38.11	-25.00	Pass
7778.62	H	-33.99		
10372.13	H	-32.08		
12964.78	H	-32.09		
15557.76	H	-29.93		
Test mode:	LTE Band 41(5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5379.97	V	-38.17	-25.00	Pass
8069.45	V	-35.69		
10759.26	V	-35.25		
13449.46	V	-32.26		
16139.17	V	-29.76		
5379.50	H	-38.91	-25.00	Pass
8069.66	H	-37.30		
10759.48	H	-34.95		
13449.70	H	-32.82		
16139.04	H	-29.50		

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.
- 4 All modes have been tested, and only worst data was listed in this report.(5MHz)

16 QAM Mode:

Test mode:	LTE Band 2 (1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5549.84	V	-34.70	-13.00	Pass
7400.10	V	-32.42		
9249.71	V	-32.25		
11100.18	V	-30.30		
3699.82	H	-38.13		
5549.74	H	-33.95	-13.00	Pass
7399.83	H	-32.63		
9249.97	H	-31.95		
11099.61	H	-29.45		
5549.84	V	-34.70		
Test mode:	LTE Band 2 (1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3759.94	V	-38.23	-13.00	Pass
5640.19	V	-34.87		
7520.14	V	-32.41		
9399.68	V	-32.33		
11280.17	V	-30.33		
3759.90	H	-37.83	-13.00	Pass
5639.88	H	-34.14		
7520.12	H	-32.28		
9399.77	H	-32.06		
11280.07	H	-29.79		
Test mode:	LTE Band 2 (1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3819.81	V	-38.32	-13.00	Pass
5729.50	V	-35.61		
7639.32	V	-35.65		
9549.21	V	-32.28		
11459.17	V	-29.87		
3819.46	H	-38.85	-13.00	Pass
5729.45	H	-37.14		
7639.33	H	-34.67		
9549.56	H	-32.87		
11459.58	H	-29.78		

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.
- 4 All modes have been tested, and only worst data was listed in this report.(1.4MHz)

Test mode:	LTE Band 4(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3420.11	V	-38.44	-13.00	Pass
5129.60	V	-34.80		
6840.11	V	-32.73		
8549.68	V	-32.10		
10260.05	V	-30.63		
3420.03	H	-38.25	-13.00	Pass
5130.06	H	-33.60		
6839.85	H	-32.55		
8550.19	H	-32.02		
10259.91	H	-29.67		
Test mode:	LTE Band 4(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3464.81	V	-38.15	-13.00	Pass
5197.68	V	-35.01		
6930.11	V	-32.78		
8662.30	V	-32.06		
10395.15	V	-30.01		
3465.10	H	-38.01	-13.00	Pass
5197.28	H	-33.86		
6930.17	H	-32.38		
8662.59	H	-32.25		
10395.13	H	-29.93		
Test mode:	LTE Band 4(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3509.83	V	-38.29	-13.00	Pass
5264.42	V	-35.64		
7019.74	V	-35.44		
8774.62	V	-32.49		
10529.16	V	-29.78		
3509.50	H	-38.79	-13.00	Pass
5264.87	H	-37.27		
7019.80	H	-34.63		
8774.37	H	-32.83		
10529.58	H	-29.45		

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.
- 4 All modes have been tested, and only worst data was listed in this report.(1.4MHz)

Test mode:	LTE Band 5(1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1648.08	V	-38.20	-13.00	Pass
2472.16	V	-34.80		
3296.10	V	-32.44		
4119.76	V	-32.45		
4943.68	V	-30.37		
1647.87	H	-37.80	-13.00	Pass
2472.18	H	-33.52		
3296.04	H	-32.60		
4119.71	H	-31.79		
4944.10	H	-29.70		
Test mode:	LTE Band 5(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1672.97	V	-38.20	-13.00	Pass
2509.48	V	-34.78		
3345.77	V	-32.48		
4182.11	V	-32.30		
5019.10	V	-30.30		
1672.81	H	-38.30	-13.00	Pass
2509.42	H	-34.03		
3346.18	H	-32.16		
4182.12	H	-32.12		
5019.19	H	-30.04		
Test mode:	LTE Band 5(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1697.45	V	-38.16	-13.00	Pass
2546.58	V	-35.98		
3395.53	V	-35.33		
4244.11	V	-32.54		
5093.02	V	-29.55		
1697.66	H	-38.80	-13.00	Pass
2546.35	H	-37.14		
3395.38	H	-34.57		
4244.36	H	-33.20		
5093.11	H	-29.54		

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.
- 4 All modes have been tested, and only worst data was listed in this report.(1.4MHz)

Test mode:	LTE Band 7(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
4999.96	V	-38.25	-25.00	Pass
7499.91	V	-34.81		
9999.83	V	-32.71		
12499.92	V	-32.07		
14999.84	V	-30.24		
5000.13	H	-38.16	-25.00	Pass
7499.70	H	-33.83		
9999.61	H	-32.29		
12500.00	H	-32.01		
15000.07	H	-29.28		
Test mode:	LTE Band 7(5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5069.98	V	-38.17	-25.00	Pass
7604.88	V	-34.95		
10139.66	V	-32.77		
12675.14	V	-31.99		
15209.88	V	-30.04		
5070.02	H	-37.97	-25.00	Pass
7605.14	H	-34.14		
10140.03	H	-32.29		
12674.95	H	-32.10		
15209.82	H	-29.97		
Test mode:	LTE Band 7(5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5139.73	V	-38.37	-25.00	Pass
7709.53	V	-35.78		
10279.74	V	-35.28		
12849.58	V	-32.29		
15419.49	V	-29.89		
5139.45	H	-38.96	-25.00	Pass
7709.71	H	-37.34		
10279.70	H	-34.51		
12849.43	H	-32.72		
15419.02	H	-29.88		

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.
- 4 All modes have been tested, and only worst data was listed in this report.(5MHz)

Test mode:	LTE Band 12 (1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1397.90	V	-38.59	-13.00	Pass
2097.08	V	-34.70		
2795.75	V	-32.39		
3494.79	V	-32.09		
4193.66	V	-30.49		
1397.63	H	-37.83	-13.00	Pass
2097.01	H	-33.86		
2795.87	H	-32.19		
3494.83	H	-32.13		
4193.85	H	-29.60		
Test mode:	LTE Band 12 (1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1415.18	V	-37.86	-13.00	Pass
2122.60	V	-34.77		
2829.81	V	-32.41		
3537.25	V	-31.96		
4244.81	V	-29.99		
1415.16	H	-38.00	-13.00	Pass
2122.30	H	-33.91		
2829.98	H	-32.31		
3537.20	H	-32.19		
4244.95	H	-29.82		
Test mode:	LTE Band 12 (1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1431.99	V	-38.31	-13.00	Pass
2147.80	V	-35.65		
2863.68	V	-35.62		
3579.10	V	-32.21		
4295.47	V	-29.92		
1431.94	H	-38.77	-13.00	Pass
2147.69	H	-37.10		
2863.78	H	-34.55		
3579.64	H	-33.02		
4295.51	H	-29.53		

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.
- 4 All modes have been tested, and only worst data was listed in this report.(1.4MHz)

Test mode:	LTE Band 13(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1558.86	V	-43.43	-40	Pass
767.85	V	-37.79	-35	Pass
797.08	V	-38.49	-35	Pass
5068.57	V	-33.56	-13.00	Pass
7604.41	V	-30.67		
10139.32	V	-29.00		
12674.68	V	-31.10		
15209.62	H	-29.67		
1559.25	H	-46.15	-40	Pass
769.24	H	-40.42	-35	Pass
797.68	H	-38.46	-35	Pass
5003.87	H	-33.50	-13.00	Pass
7506.11	H	-30.74		
10009.89	H	-31.69		
12511.25	H	-27.83		
15014.01	H	-29.81		
Test mode:	LTE Band 13(5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1563.35	V	-43.32	-40	Pass
763.95	V	-37.70	-35	Pass
795.18	V	-38.78	-35	Pass
5068.95	V	-33.75	-13.00	Pass
7603.94	V	-31.01		
10139.37	V	-29.00		
12674.76	V	-31.10		
15208.88	H	-29.93		
1564.19	H	-45.74	-40	Pass
773.75	H	-40.13	-35	Pass
804.14	H	-38.11	-35	Pass
5004.09	H	-33.21	-13.00	Pass
7506.22	H	-30.80		
10009.88	H	-31.51		
12511.36	H	-27.66		
15013.83	H	-29.83		

Test mode:	LTE Band 13(5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1568.79	V	-42.97	-40	Pass
773.89	V	-38.06	-35	Pass
798.55	V	-38.86	-35	Pass
5068.75	V	-33.54	-13.00	Pass
7604.09	V	-30.71		
10139.02	V	-29.27		
12675.13	V	-31.06		
15209.33	H	-29.78		
1569.24	H	-46.01	-40	Pass
768.33	H	-40.10	-35	Pass
801.90	H	-38.29	-35	Pass
5004.19	H	-33.50	-13.00	Pass
7506.94	H	-30.76		
10009.71	H	-31.52		
12511.05	H	-27.69		
15014.03	H	-29.75		

Remark :

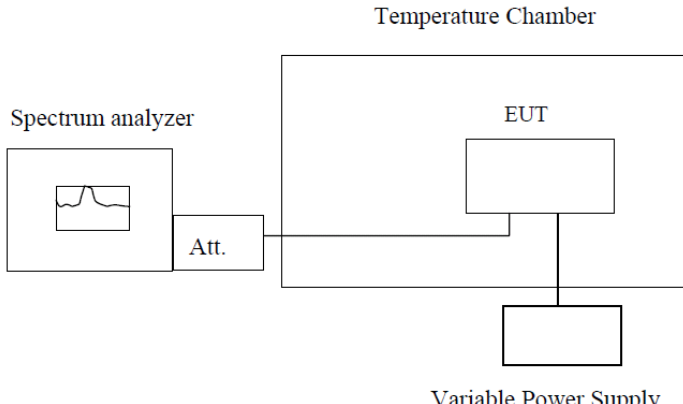
- 1 The emission behaviour belongs to narrowband spurious emission, all modes investigated and only worst case is reported.
- 2 Remark"---" means that the emission level is too low (20dB lower than the limit) to be measured
- 3 The emission levels of below 1 GHz are very lower (20dB lower than the limit) than the limit and not show in test report.
- 4 All modes have been tested, and only worst data was listed in this report.(5MHz)

Test mode:	LTE Band 41 (5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
4991.73	V	-38.35	-25.00	Pass
7488.13	V	-35.09		
9983.82	V	-32.45		
12479.96	V	-32.30		
14975.67	V	-30.52		
4992.06	H	-38.26	-25.00	Pass
7487.79	H	-33.63		
9983.88	H	-32.55		
12479.74	H	-32.16		
14976.08	H	-29.49		
Test mode:	LTE Band 41 (5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5186.01	V	-37.89	-25.00	Pass
7779.00	V	-34.63		
10371.86	V	-32.49		
12964.61	V	-31.98		
15558.09	V	-29.91		
5186.02	H	-38.06	-25.00	Pass
7778.84	H	-34.26		
10371.77	H	-32.31		
12964.93	H	-32.06		
15557.94	H	-29.80		
Test mode:	LTE Band 41 (5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5379.72	V	-38.29	-25.00	Pass
8069.34	V	-35.66		
10759.74	V	-35.31		
13449.28	V	-32.35		
16139.08	V	-29.68		
5379.85	H	-38.82	-25.00	Pass
8069.71	H	-37.05		
10759.73	H	-34.93		
13449.64	H	-32.74		
16139.49	H	-29.56		

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.
- 4 All modes have been tested, and only worst data was listed in this report.(5MHz)

4.10 Frequency stability V.S. Temperature measurement

Test Requirement:	FCC Part2.1055(a)(1)(b)
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

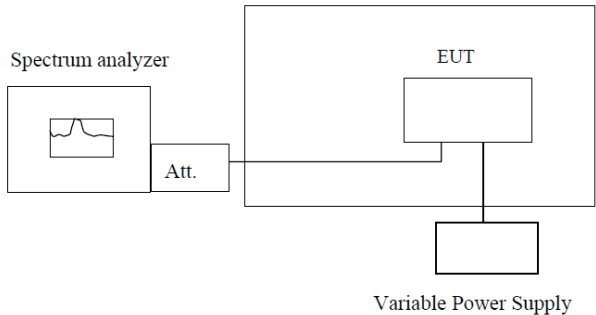
Measurement Data

Reference Frequency: LTE Band 2 Middle channel=18900 channel=1880MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
24	-20	12	0.0064	Within the authorized bands	Pass
	-10	27	0.0144		
	0	22	0.0117		
	10	-34	-0.0181		
	20	15	0.0080		
	30	7	0.0037		
	40	-10	-0.0053		
	50	8	0.0043		
	60	10	0.0053		
Reference Frequency: LTE Band 4 Middle channel=20175 channel=1732.5MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
24	-20	16	0.0092	2.5	Pass
	-10	21	0.0121		
	0	22	0.0127		
	10	-38	-0.0219		
	20	12	0.0069		
	30	17	0.0098		
	40	-16	-0.0092		
	50	4	0.0023		
	60	13	0.0075		
Reference Frequency: LTE Band 5 Middle channel=20175 channel=836.5MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
24	-20	18	0.0215	2.5	Pass
	-10	15	0.0179		
	0	21	0.0251		
	10	-37	-0.0442		
	20	12	0.0143		
	30	15	0.0179		
	40	-15	-0.0179		
	50	0	0.0000		
	60	10	0.0120		

Reference Frequency: LTE Band 7 Middle channel=21100 channel=2535MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
24	-20	15	0.0059	Within the authorized bands	Pass
	-10	18	0.0071		
	0	21	0.0083		
	10	-38	-0.0150		
	20	19	0.0075		
	30	16	0.0063		
	40	-14	-0.0055		
	50	1	0.0004		
	60	7	0.0028		
Reference Frequency: LTE Band 12 Middle channel=23095 channel=707.5MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
24	-20	11	0.0155	2.5	Pass
	-10	20	0.0283		
	0	21	0.0297		
	10	-36	-0.0509		
	20	19	0.0269		
	30	11	0.0155		
	40	-9	-0.0127		
	50	6	0.0085		
	60	10	0.0141		
Reference Frequency: LTE Band 13 Middle channel=23230 channel=782MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
24	-20	10	0.0128	Within the authorized bands	24
	-10	22	0.0281		
	0	16	0.0205		
	10	-38	-0.0486		
	20	20	0.0256		
	30	12	0.0153		
	40	-12	-0.0153		
	50	6	0.0077		
	60	14	0.0179		

Reference Frequency: LTE Band 41 Middle channel=40620 channel=2593MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
24	-20	12	0.0046	Within the authorized bands	Pass
	-10	19	0.0073		
	0	19	0.0073		
	10	-40	-0.0154		
	20	16	0.0062		
	30	13	0.0050		
	40	-6	-0.0023		
	50	4	0.0015		
	60	15	0.0058		

4.11 Frequency stability V.S. Voltage measurement

Test Requirement:	FCC Part2.1055(d)(1)(2)
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	9	17	0.0090	within authorized band	Pass
	24	21	0.0112		
	36	23	0.0122		
Reference Frequency: LTE Band 4 Middle channel=20175 channel=1732.5MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	9	13	0.0075	2.5	Pass
	24	24	0.0139		
	36	22	0.0127		
Reference Frequency: LTE Band 5 Middle channel=20175 channel=836.5MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	9	19	0.0227	2.5	Pass
	24	24	0.0287		
	36	27	0.0323		
Reference Frequency: LTE Band 7 Middle channel=21100 channel=2535MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	9	12	0.0047	within authorized band	Pass
	24	21	0.0083		
	36	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	9	17	0.0240	within authorized band	Pass
	24	22	0.0311		
	36	19	0.0269		
Reference Frequency: LTE Band 13 Middle channel=23230 channel=782MHz					
Temperature (°C)	Temperature (°C)	Temperature (°C)		Temperature (°C)	Temperature (°C)
		Hz	ppm		
25	9	20	0.0256	within authorized band	Pass
	24	22	0.0281		
	36	26	0.0332		
Reference Frequency: LTE Band 41 Middle channel=40620 channel=2593MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	9	14	0.0054	2.5	Pass
	24	23	0.0089		
	36	23	0.0089		