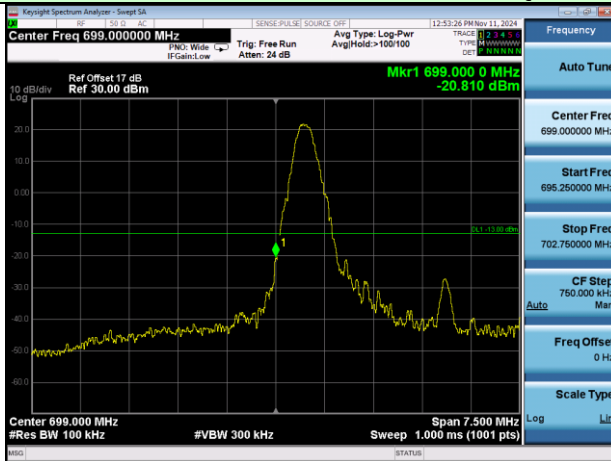
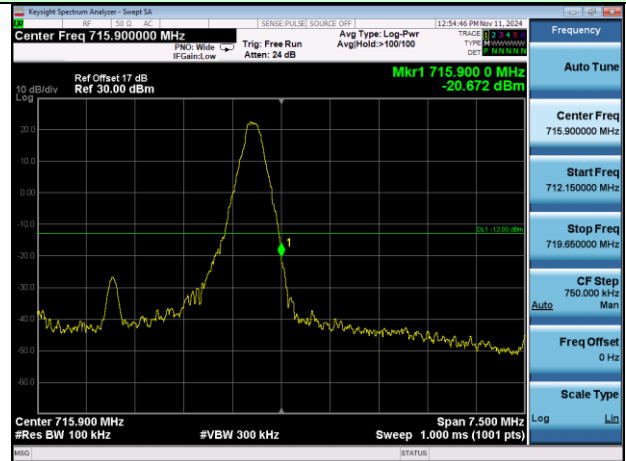


Test Mode: LTE Band 12 / 5MHz / 1 RB / 16-QAM

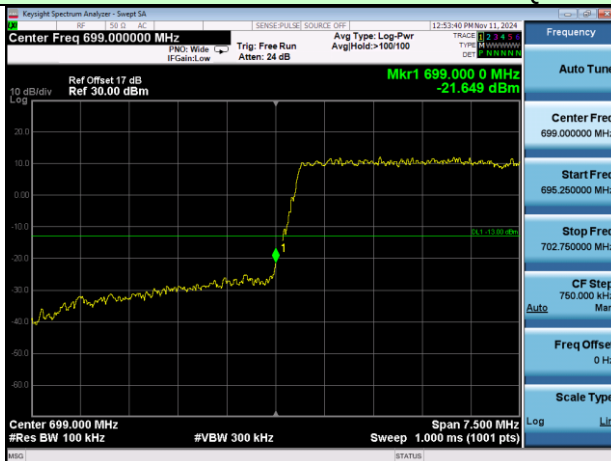


Lowest channel



Highest channel

Test Mode: LTE Band 12 / 5MHz / 25RB / 16-QAM



Lowest channel

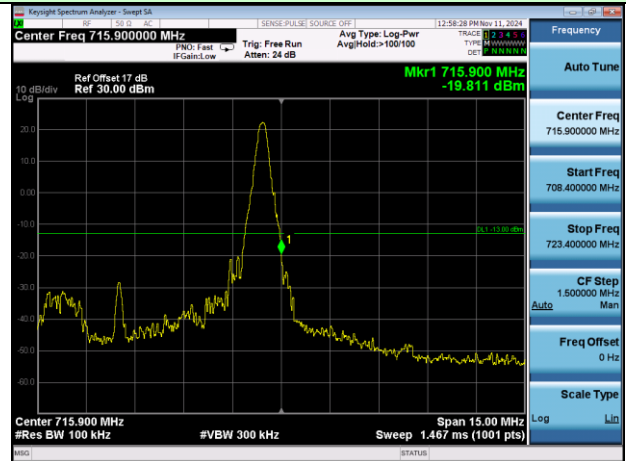


Highest channel

Test Mode: LTE Band 12 / 10MHz / 1RB / 16-QAM

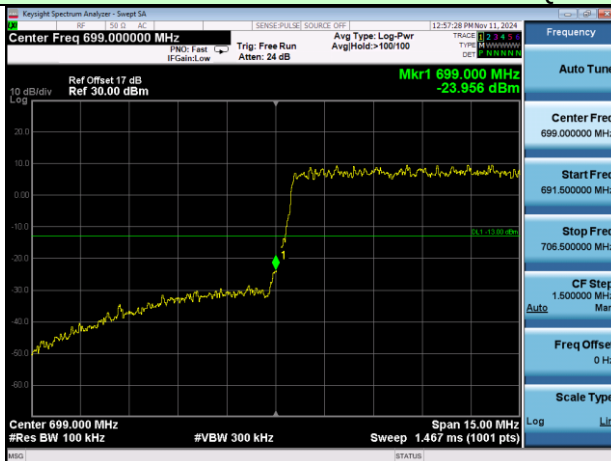


Lowest channel



Highest channel

Test Mode: LTE Band 12 / 10MHz / 50RB / 16-QAM

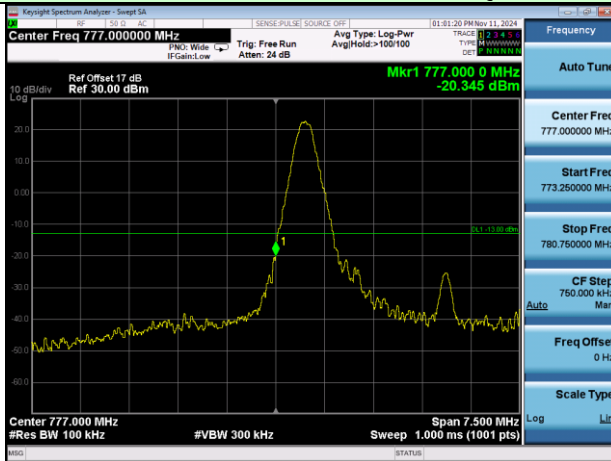


Lowest channel

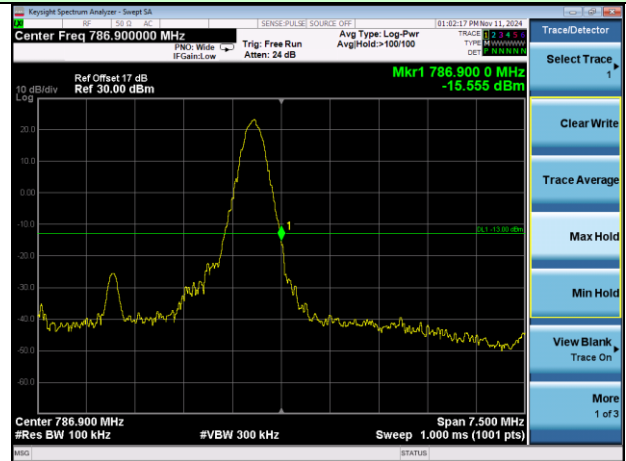


Highest channel

Test Mode: LTE Band 13 / 5MHz / 1RB / QPSK

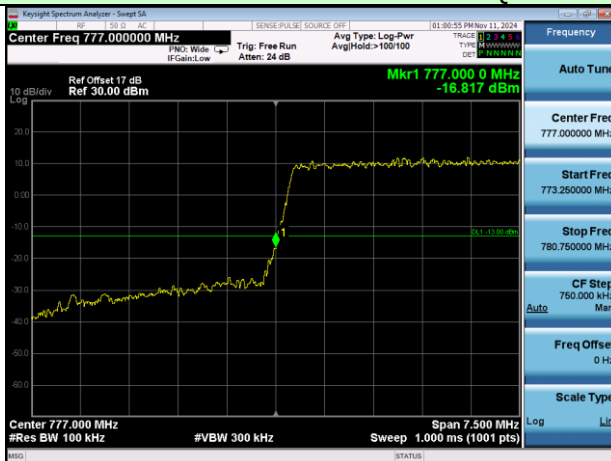


Lowest channel

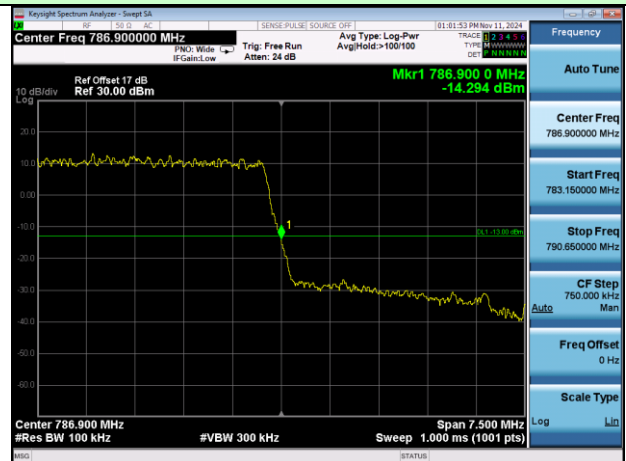


Highest channel

Test Mode: LTE Band 13 / 5MHz / 25RB / QPSK

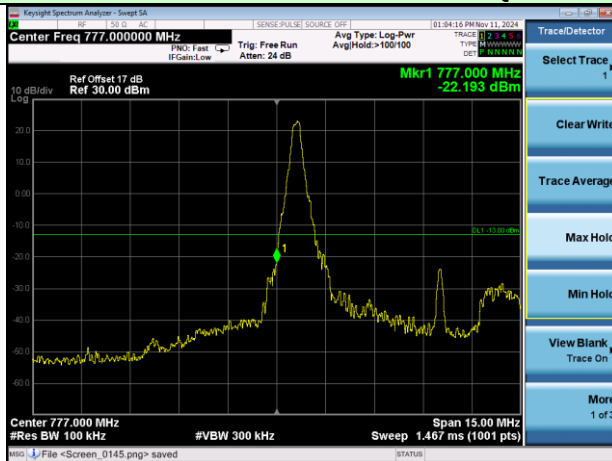


Lowest channel

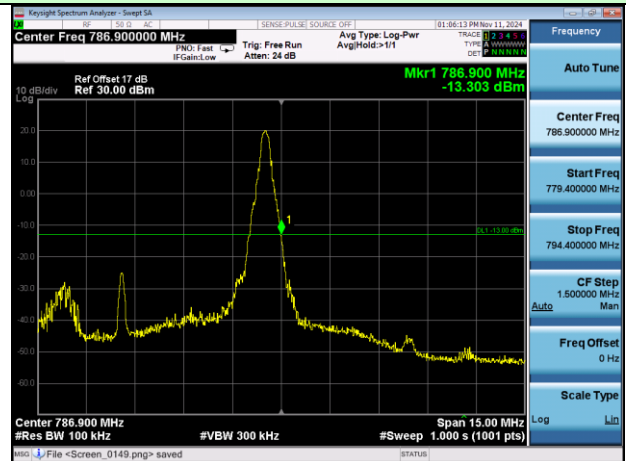


Highest channel

Test Mode: LTE Band 13 / 10MHz / 1RB / QPSK

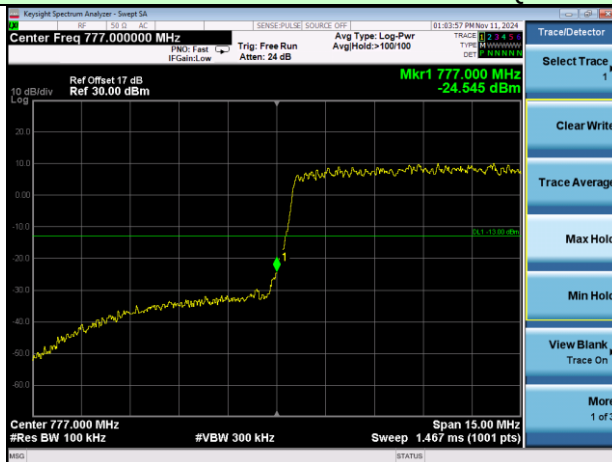


Middle channel



Middle channel

Test Mode: LTE Band 13 / 10MHz / 50RB / QPSK

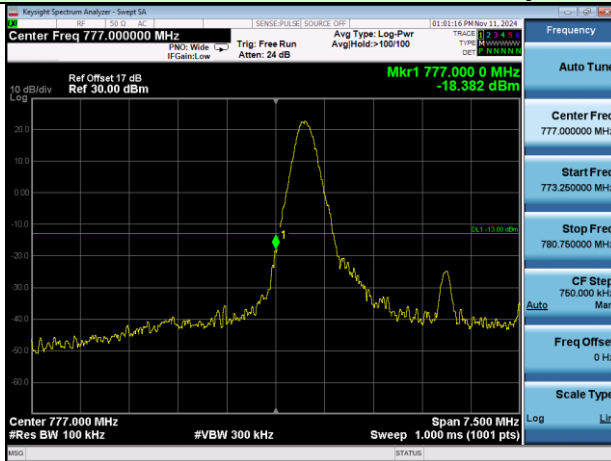


Middle channel

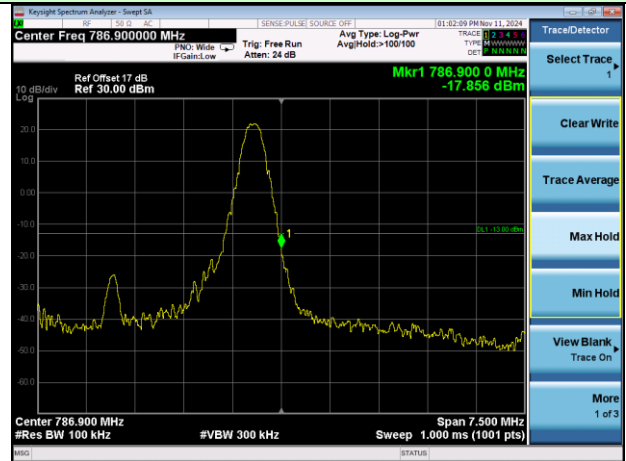


Middle channel

Test Mode: LTE Band 13 / 5MHz / 1RB / 16-QAM

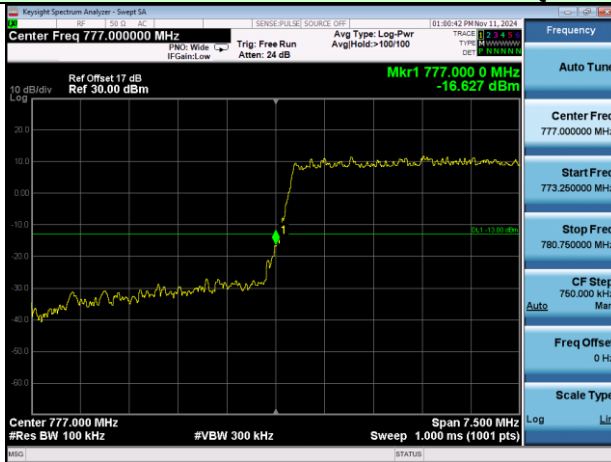


Lowest channel



Highest channel

Test Mode: LTE Band 13 / 5MHz / 25RB / 16-QAM

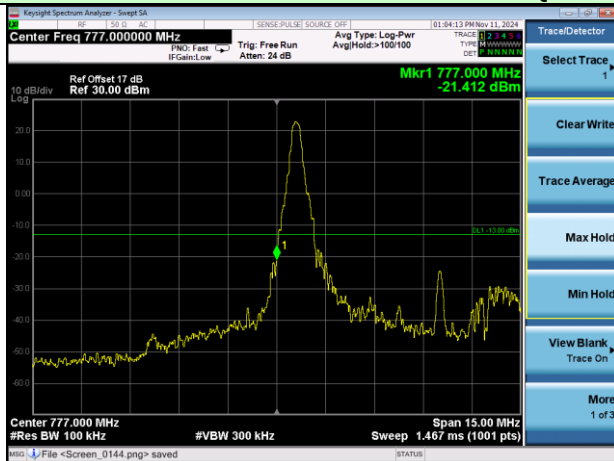


Lowest channel

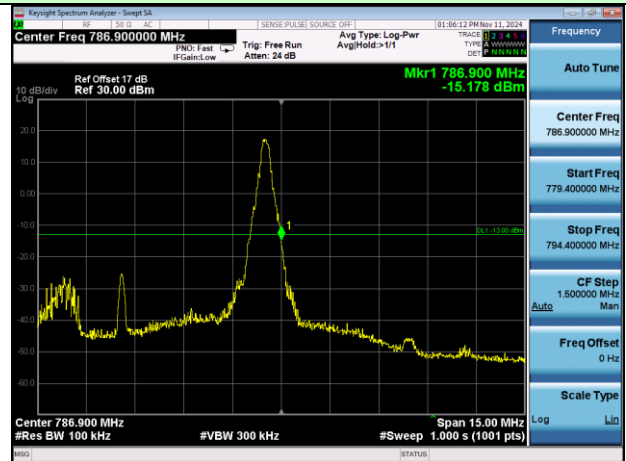


Highest channel

Test Mode: LTE Band 13 / 10MHz / 1RB / 16-QAM

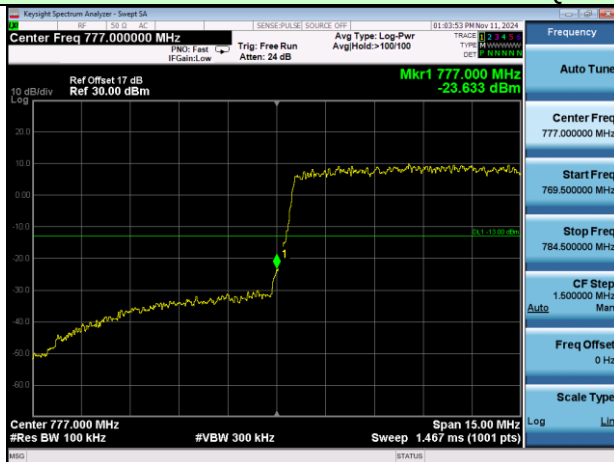


Middle channel

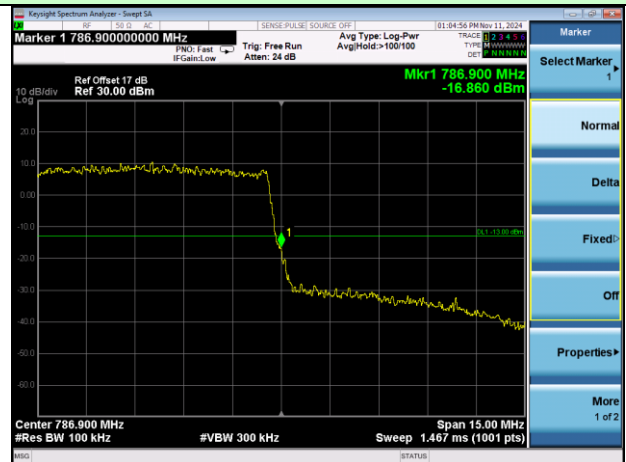


Middle channel

Test Mode: LTE Band 13 / 10MHz / 50RB / 16-QAM

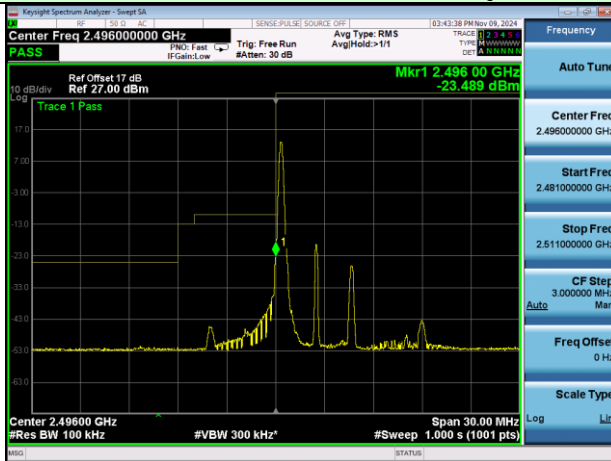


Middle channel



Middle channel

Test Mode: LTE Band 41 / 5MHz / 1RB / QPSK

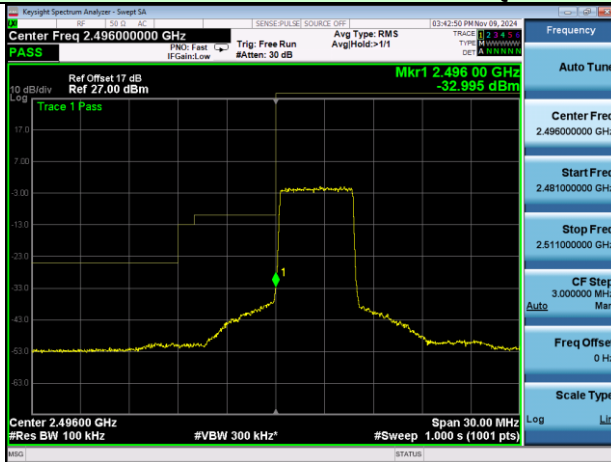


Lowest channel



Highest channel

Test Mode: LTE Band 41 / 5MHz / 25RB / QPSK

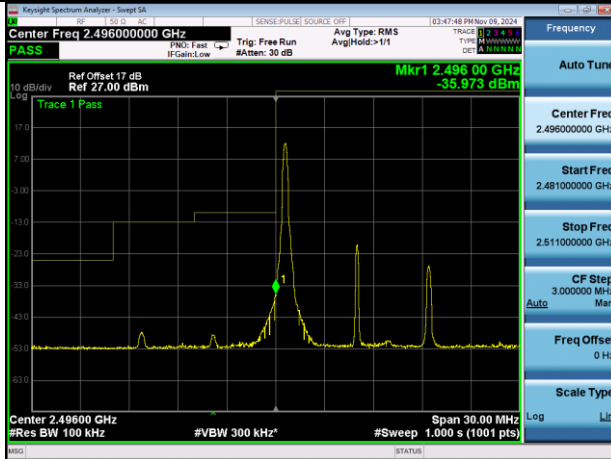


Lowest channel

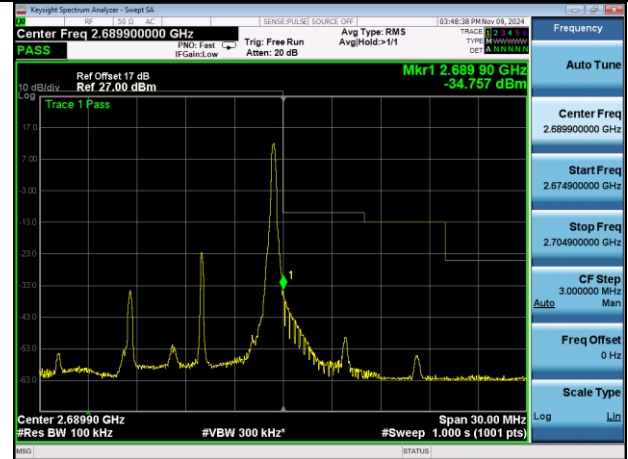


Highest channel

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



Lowest channel



Highest channel

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

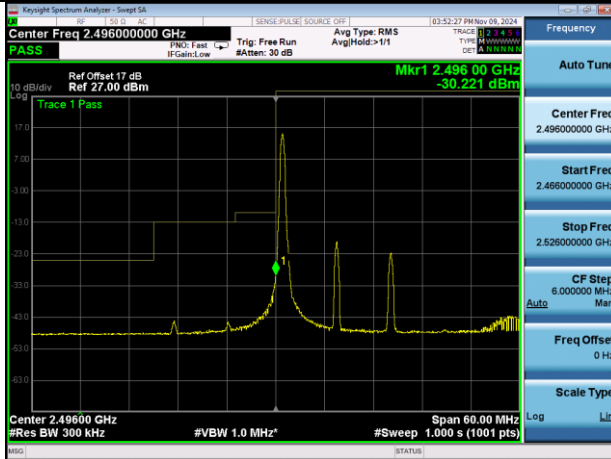


Lowest channel

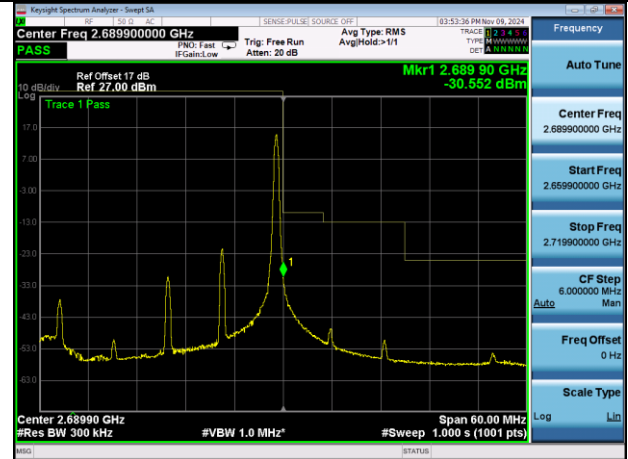


Highest channel

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

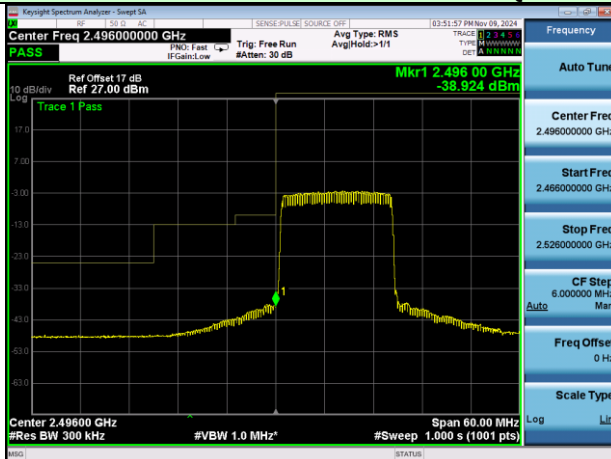


Lowest channel



Highest channel

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

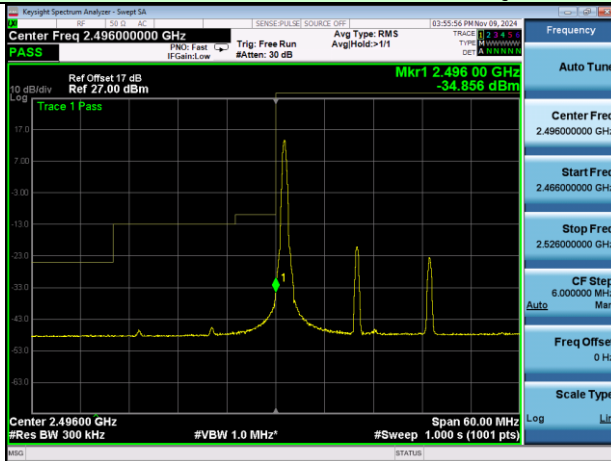


Lowest channel

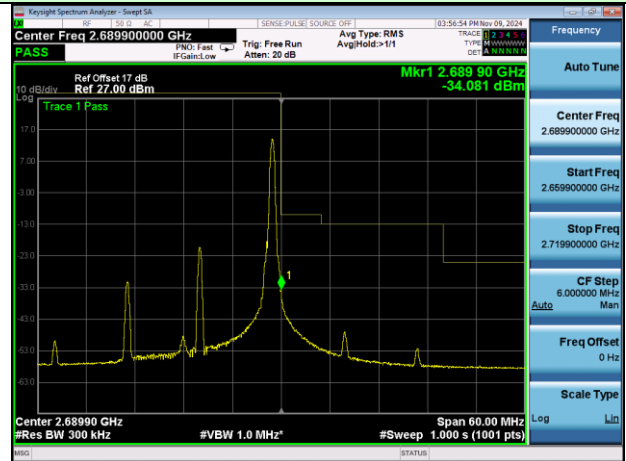


Highest channel

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



Lowest channel



Highest channel

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

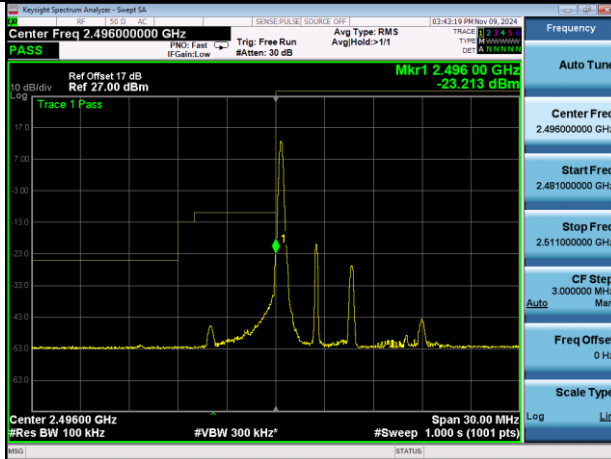


Lowest channel

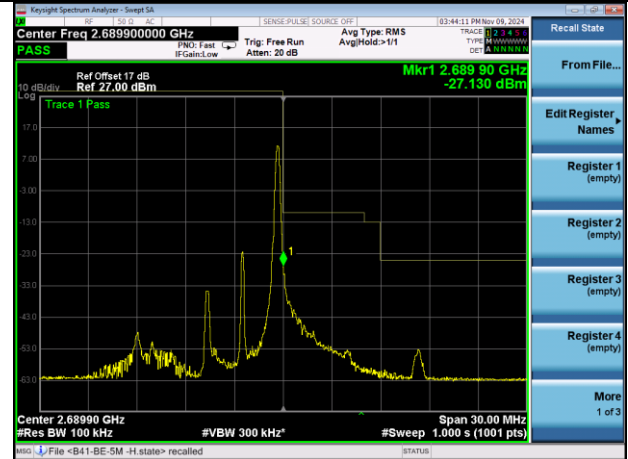


Highest channel

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

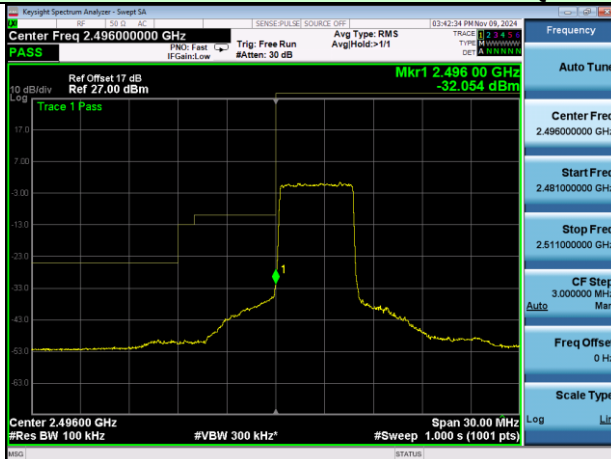


Lowest channel



Highest channel

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

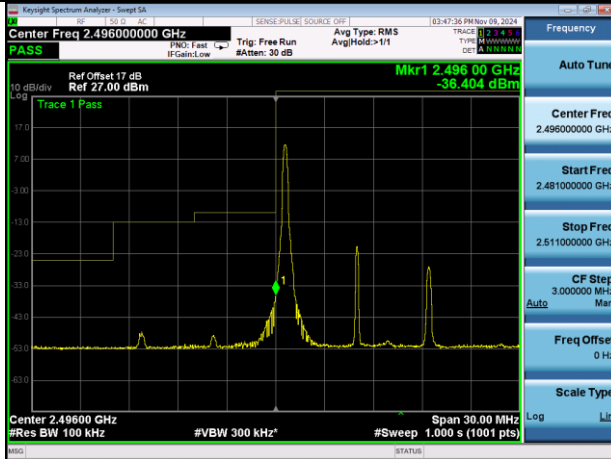


Lowest channel

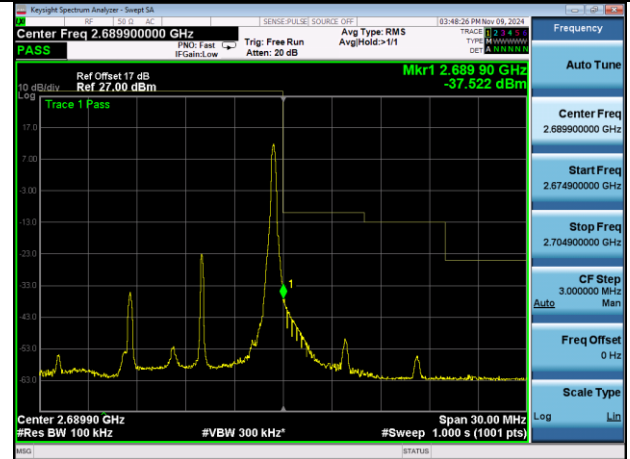


Highest channel

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



Lowest channel



Highest channel

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

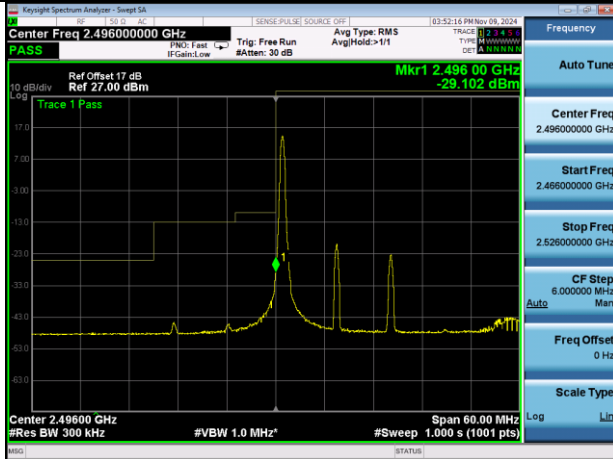


Lowest channel

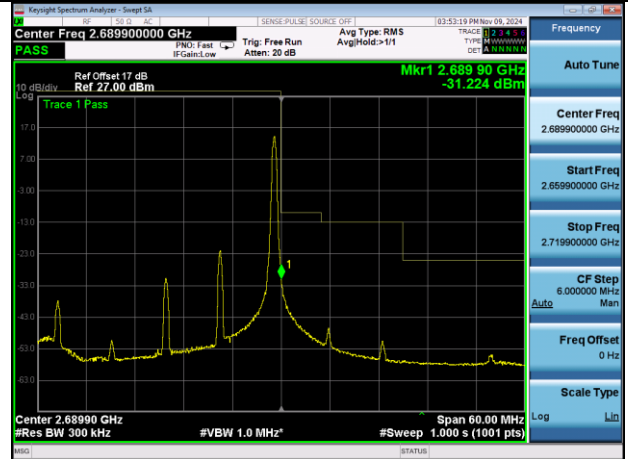


Highest channel

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



Lowest channel



Highest channel

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

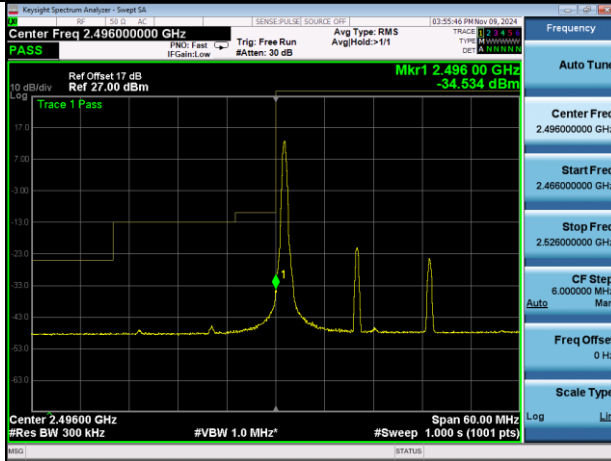


Lowest channel

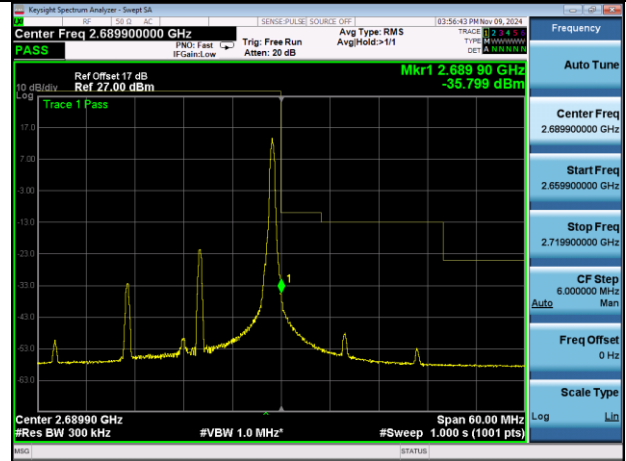


Highest channel

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



Lowest channel



Highest channel

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



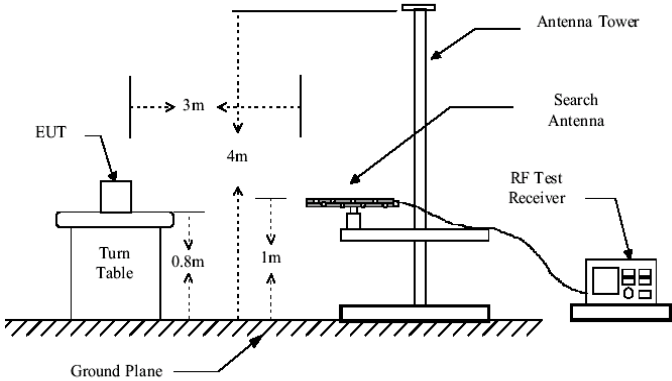
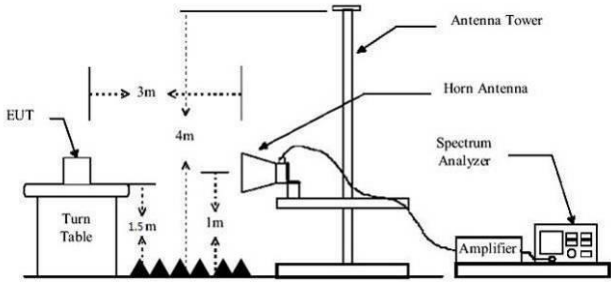
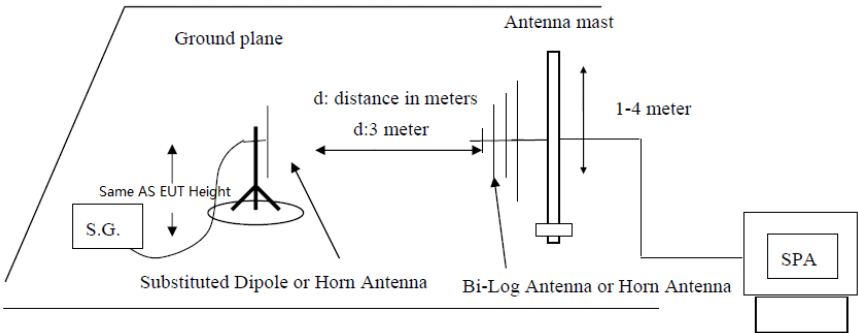
Lowest channel



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	22.79	33.00	Pass
					H	22.49		
				E1	V	23.55		
					H	23.06		
				E2	V	23.00		
					H	23.13		
	6	0	Middle	H	V	22.93	33.00	Pass
					H	23.13		
				E1	V	22.62		
					H	23.14		
				E2	V	23.18		
					H	23.17		
	6	0	Highest	H	V	23.12	33.00	Pass
					H	22.94		
				E1	V	23.03		
					H	23.03		
				E2	V	22.62		
					H	23.21		

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	22.42	33.00	Pass
					H	22.62		
				E1	V	22.88		
					H	23.11		
				E2	V	22.13		
					H	22.70		
	Middle	15	0	H	V	22.41	33.00	Pass
					H	22.18		
				E1	V	22.52		
					H	22.42		
				E2	V	23.21		
					H	22.49		
	Highest	15	0	H	V	22.66	33.00	Pass
					H	22.99		
				E1	V	23.13		
					H	22.68		
				E2	V	23.12		
					H	22.47		

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	22.23	33.00	Pass
					H	22.39		
				E1	V	22.00		
					H	22.22		
				E2	V	22.40		
					H	22.37		
	Middle	25	0	H	V	22.11	33.00	Pass
					H	22.47		
				E1	V	22.59		
					H	22.30		
				E2	V	22.58		
					H	22.73		
	Highest	25	0	H	V	22.33	33.00	Pass
					H	22.36		
				E1	V	21.82		
					H	22.01		
				E2	V	22.05		
					H	22.49		

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	21.67	33.00	Pass
					H	21.89		
				E1	V	22.00		
					H	21.72		
				E2	V	21.29		
					H	21.82		
	Middle	50	0	H	V	21.84	33.00	Pass
					H	21.24		
				E1	V	21.86		
					H	21.74		
				E2	V	21.77		
					H	21.68		
	Highest	50	0	H	V	22.45	33.00	Pass
					H	21.72		
				E1	V	21.78		
					H	21.63		
				E2	V	21.82		
					H	21.98		

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	21.40	33.00	Pass
					H	21.86		
				E1	V	21.65		
					H	21.18		
				E2	V	21.56		
					H	22.03		
	Middle	75	0	H	V	21.34	33.00	Pass
					H	21.54		
				E1	V	20.98		
					H	21.19		
				E2	V	21.08		
					H	21.19		
	Highest	75	0	H	V	21.09	33.00	Pass
					H	21.61		
				E1	V	21.35		
					H	21.41		
				E2	V	21.23		
					H	21.11		

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	20.89	33.00	Pass
					H	20.77		
				E1	V	21.10		
					H	20.98		
				E2	V	21.25		
					H	21.39		
	Middle	100	0	H	V	21.46	33.00	Pass
					H	21.09		
				E1	V	20.54		
					H	20.76		
				E2	V	21.16		
					H	20.79		
	Highest	100	0	H	V	20.98	33.00	Pass
					H	20.98		
				E1	V	20.46		
					H	20.69		
				E2	V	21.58		
					H	20.63		

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	22.74	33.00	Pass
					H	22.80		
				E1	V	23.34		
					H	23.35		
				E2	V	23.08		
					H	22.85		
	6	0	Middle	H	V	22.71	33.00	Pass
					H	22.72		
				E1	V	23.37		
					H	22.96		
				E2	V	23.15		
					H	23.47		
	6	0	Highest	H	V	23.00	33.00	Pass
					H	23.61		
				E1	V	22.63		
					H	23.01		
				E2	V	22.93		
					H	23.14		

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	22.58	33.00	Pass
					H	22.43		
				E1	V	23.02		
					H	22.44		
				E2	V	22.60		
					H	22.16		
	Middle	15	0	H	V	22.65	33.00	Pass
					H	22.50		
				E1	V	22.60		
					H	22.97		
				E2	V	22.27		
					H	22.29		
	Highest	15	0	H	V	22.48	33.00	Pass
					H	22.78		
				E1	V	23.12		
					H	22.96		
				E2	V	22.66		
					H	22.23		

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	22.25	33.00	Pass
					H	22.55		
				E1	V	22.84		
					H	22.81		
				E2	V	22.24		
					H	22.09		
	Middle	25	0	H	V	22.52	33.00	Pass
					H	22.03		
				E1	V	22.31		
					H	22.57		
				E2	V	22.46		
					H	22.68		
	Highest	25	0	H	V	22.50	33.00	Pass
					H	21.79		
				E1	V	22.27		
					H	22.75		
				E2	V	22.11		
					H	22.36		

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	21.92	33.00	Pass
					H	21.90		
				E1	V	21.97		
					H	21.83		
				E2	V	21.51		
					H	21.95		
	Middle	50	0	H	V	21.53	33.00	Pass
					H	22.01		
				E1	V	21.88		
					H	21.51		
				E2	V	21.91		
					H	21.39		
	Highest	50	0	H	V	22.26	33.00	Pass
					H	21.82		
				E1	V	22.11		
					H	21.54		
				E2	V	22.06		
					H	21.88		

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	21.42	33.00	Pass
					H	21.91		
				E1	V	21.55		
					H	21.32		
				E2	V	21.71		
					H	21.63		
	Middle	75	0	H	V	21.27	33.00	Pass
					H	20.97		
				E1	V	21.18		
					H	21.26		
				E2	V	21.74		
					H	21.40		
	Highest	75	0	H	V	20.90	33.00	Pass
					H	21.57		
				E1	V	21.16		
					H	21.86		
				E2	V	21.34		
					H	21.73		

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	20.90	33.00	Pass
					H	21.39		
				E1	V	20.97		
					H	20.83		
				E2	V	21.42		
					H	20.67		
	Middle	100	0	H	V	20.93	33.00	Pass
					H	21.01		
				E1	V	20.56		
					H	21.21		
				E2	V	21.03		
					H	21.15		
	Highest	100	0	H	V	20.72	33.00	Pass
					H	20.91		
				E1	V	20.97		
					H	21.58		
				E2	V	21.28		
					H	21.20		

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	23.59	30.00	Pass
					H	22.96		
				E1	V	23.50		
					H	22.82		
				E2	V	23.04		
					H	22.95		
	Middle	6	0	H	V	23.24	30.00	Pass
					H	23.72		
				E1	V	23.25		
					H	22.79		
				E2	V	23.09		
					H	23.17		
	Highest	6	0	H	V	23.00	30.00	Pass
					H	23.53		
				E1	V	22.98		
					H	23.72		
				E2	V	22.77		
					H	22.87		

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	22.99	30.00	Pass
					H	22.94		
				E1	V	22.70		
					H	23.23		
				E2	V	23.05		
					H	23.18		
	Middle	15	0	H	V	22.79	30.00	Pass
					H	22.85		
				E1	V	22.90		
					H	22.90		
				E2	V	22.54		
					H	22.23		
	Highest	15	0	H	V	22.97	30.00	Pass
					H	22.54		
				E1	V	22.59		
					H	23.12		
				E2	V	22.73		
					H	22.40		

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	22.78	30.00	Pass
					H	22.65		
				E1	V	22.60		
					H	22.08		
				E2	V	22.40		
					H	22.59		
	Middle	25	0	H	V	22.69	30.00	Pass
					H	22.91		
				E1	V	22.58		
					H	22.37		
				E2	V	22.53		
					H	22.35		
	Highest	25	0	H	V	21.88	30.00	Pass
					H	22.46		
				E1	V	22.88		
					H	22.64		
				E2	V	22.74		
					H	22.50		

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	22.09	30.00	Pass
					H	21.64		
				E1	V	21.74		
					H	21.72		
				E2	V	22.54		
					H	21.65		
	Middle	50	0	H	V	22.29	30.00	Pass
					H	22.33		
				E1	V	21.86		
					H	22.06		
				E2	V	22.29		
					H	22.04		
	Highest	50	0	H	V	21.79	30.00	Pass
					H	21.94		
				E1	V	22.45		
					H	22.09		
				E2	V	22.38		
					H	21.42		

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	21.29	30.00	Pass
					H	21.58		
				E1	V	21.73		
					H	21.76		
				E2	V	22.13		
					H	20.99		
	Middle	75	0	H	V	21.65	30.00	Pass
					H	21.82		
				E1	V	21.49		
					H	21.59		
				E2	V	21.17		
					H	21.41		
	Highest	75	0	H	V	21.49	30.00	Pass
					H	21.95		
				E1	V	21.34		
					H	21.59		
				E2	V	21.54		
					H	21.46		

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	21.01	30.00	Pass
					H	20.95		
				E1	V	21.80		
					H	21.28		
				E2	V	21.65		
					H	21.23		
	Middle	100	0	H	V	21.21	30.00	Pass
					H	20.77		
				E1	V	21.41		
					H	21.27		
				E2	V	21.23		
					H	21.25		
	Highest	100	0	H	V	21.14	30.00	Pass
					H	21.73		
				E1	V	20.94		
					H	21.16		
				E2	V	21.03		
					H	20.88		

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	22.82	30.00	Pass
					H	23.50		
				E1	V	23.16		
					H	23.58		
				E2	V	22.91		
					H	22.98		
	Middle	6	0	H	V	22.73	30.00	Pass
					H	23.60		
				E1	V	23.16		
					H	23.40		
				E2	V	22.82		
					H	23.34		
	Highest	6	0	H	V	23.29	30.00	Pass
					H	23.16		
				E1	V	23.39		
					H	23.55		
				E2	V	22.80		
					H	23.47		

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	22.58	30.00	Pass
					H	23.11		
				E1	V	22.79		
					H	22.46		
				E2	V	22.90		
					H	22.38		
	Middle	15	0	H	V	22.88	30.00	Pass
					H	22.48		
				E1	V	22.47		
					H	22.45		
				E2	V	22.70		
					H	22.69		
	Highest	15	0	H	V	22.75	30.00	Pass
					H	22.60		
				E1	V	22.78		
					H	22.90		
				E2	V	22.94		
					H	22.25		

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	22.10	30.00	Pass
					H	22.71		
				E1	V	22.87		
					H	22.24		
				E2	V	22.79		
					H	22.48		
	Middle	25	0	H	V	22.17	30.00	Pass
					H	22.32		
				E1	V	22.66		
					H	22.09		
				E2	V	21.77		
					H	22.22		
	Highest	25	0	H	V	22.56	30.00	Pass
					H	22.18		
				E1	V	22.12		
					H	21.96		
				E2	V	22.58		
					H	21.87		

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	22.40	30.00	Pass
					H	21.79		
				E1	V	21.92		
					H	22.18		
				E2	V	22.13		
					H	22.25		
	Middle	50	0	H	V	21.48	30.00	Pass
					H	21.77		
				E1	V	22.31		
					H	21.99		
				E2	V	21.68		
					H	21.63		
	Highest	50	0	H	V	21.54	30.00	Pass
					H	21.71		
				E1	V	22.20		
					H	21.92		
				E2	V	21.65		
					H	21.74		

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	21.81	30.00	Pass
					H	21.98		
				E1	V	21.72		
					H	21.25		
				E2	V	21.44		
					H	21.55		
	Middle	75	0	H	V	21.60	30.00	Pass
					H	21.92		
				E1	V	22.09		
					H	21.20		
				E2	V	22.03		
					H	22.08		
	Highest	75	0	H	V	21.96	30.00	Pass
					H	21.76		
				E1	V	21.55		
					H	21.59		
				E2	V	21.36		
					H	21.36		

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	21.48	30.00	Pass
					H	21.34		
				E1	V	21.33		
					H	21.22		
				E2	V	21.82		
					H	21.65		
	Middle	100	0	H	V	21.76	30.00	Pass
					H	21.56		
				E1	V	21.18		
					H	20.70		
				E2	V	21.13		
					H	21.12		
	Highest	100	0	H	V	21.11	30.00	Pass
					H	21.19		
				E1	V	21.30		
					H	20.72		
				E2	V	21.64		
					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	23.02	38.45	Pass
					H	22.68		
				E1	V	23.26		
					H	23.47		
				E2	V	23.40		
					H	22.99		
	Middle	6	0	H	V	23.11	38.45	Pass
					H	23.47		
				E1	V	23.19		
					H	23.37		
				E2	V	23.50		
					H	23.09		
	Highest	6	0	H	V	23.67	38.45	Pass
					H	23.33		
				E1	V	23.39		
					H	23.15		
				E2	V	23.34		
					H	23.06		

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	23.05	38.45	Pass
					H	22.58		
				E1	V	22.56		
					H	22.49		
				E2	V	22.99		
					H	22.89		
	Middle	15	0	H	V	22.91	38.45	Pass
					H	23.34		
				E1	V	22.96		
					H	22.54		
				E2	V	22.82		
					H	22.86		
	Highest	15	0	H	V	22.77	38.45	Pass
					H	23.41		
				E1	V	22.43		
					H	22.58		
				E2	V	22.35		
					H	22.67		

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	22.69	38.45	Pass
					H	22.84		
				E1	V	22.50		
					H	22.39		
				E2	V	22.20		
					H	22.47		
	Middle	25	0	H	V	21.98	38.45	Pass
					H	22.24		
				E1	V	22.95		
					H	22.24		
				E2	V	22.81		
					H	22.62		
	Highest	25	0	H	V	22.60	38.45	Pass
					H	22.67		
				E1	V	22.34		
					H	22.59		
				E2	V	22.15		
					H	22.42		

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	22.11	38.45	Pass
					H	22.32		
				E1	V	22.18		
					H	22.22		
				E2	V	22.26		
					H	22.50		
	Middle	50	0	H	V	21.98	38.45	Pass
					H	22.11		
				E1	V	22.20		
					H	22.14		
				E2	V	22.33		
					H	21.63		
	Highest	50	0	H	V	22.30	38.45	Pass
					H	21.82		
				E1	V	21.79		
					H	21.72		
				E2	V	22.07		
					H	22.24		

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	23.29	38.45	Pass
					H	23.04		
				E1	V	23.64		
					H	23.22		
				E2	V	23.17		
					H	23.16		
	Middle	6	0	H	V	23.08	38.45	Pass
					H	23.04		
				E1	V	23.47		
					H	22.77		
				E2	V	23.55		
					H	22.97		
	Highest	6	0	H	V	23.73	38.45	Pass
					H	23.35		
				E1	V	23.17		
					H	23.12		
				E2	V	23.29		
					H	23.08		

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	22.61	38.45	Pass
					H	22.24		
				E1	V	22.39		
					H	23.04		
				E2	V	22.99		
					H	23.09		
	Middle	15	0	H	V	23.28	38.45	Pass
					H	22.46		
				E1	V	22.91		
					H	23.25		
				E2	V	23.38		
					H	22.86		
	Highest	15	0	H	V	23.08	38.45	Pass
					H	22.64		
				E1	V	22.66		
					H	22.82		
				E2	V	23.11		
					H	22.25		

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	22.61	38.45	Pass
					H	22.02		
				E1	V	22.44		
					H	22.38		
				E2	V	22.84		
					H	22.64		
	Middle	25	0	H	V	22.74	38.45	Pass
					H	22.63		
				E1	V	22.42		
					H	22.57		
				E2	V	22.41		
					H	22.37		
	Highest	25	0	H	V	22.96	38.45	Pass
					H	22.81		
				E1	V	22.90		
					H	22.16		
				E2	V	22.89		
					H	22.22		

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	21.65	38.45	Pass
					H	22.14		
				E1	V	21.75		
					H	22.43		
				E2	V	21.83		
					H	21.79		
	Middle	50	0	H	V	22.15	38.45	Pass
					H	21.75		
				E1	V	22.23		
					H	22.54		
				E2	V	21.95		
					H	22.17		
	Highest	50	0	H	V	22.05	38.45	Pass
					H	22.08		
				E1	V	21.96		
					H	22.63		
				E2	V	22.11		
					H	22.16		

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	22.81	33.00	Pass
					H	22.90		
				E1	V	23.16		
					H	23.39		
				E2	V	23.43		
					H	23.86		
	Middle	25	0	H	V	23.33	33.00	Pass
					H	22.91		
				E1	V	23.11		
					H	23.24		
				E2	V	23.51		
					H	23.47		
	Highest	25	0	H	V	23.28	33.00	Pass
					H	23.31		
				E1	V	23.87		
					H	23.55		
				E2	V	23.10		
					H	23.32		

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	23.42	33.00	Pass
					H	22.75		
				E1	V	23.38		
					H	23.07		
				E2	V	22.78		
					H	23.23		
	Middle	50	0	H	V	23.58	33.00	Pass
					H	22.78		
				E1	V	22.86		
					H	23.48		
				E2	V	22.92		
					H	23.07		
	Highest	50	0	H	V	23.02	33.00	Pass
					H	22.70		
				E1	V	22.86		
					H	23.27		
				E2	V	23.33		
					H	23.55		

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	22.77	33.00	Pass
					H	22.41		
				E1	V	22.23		
					H	22.68		
				E2	V	22.17		
					H	22.92		
	Middle	75	0	H	V	22.47	33.00	Pass
					H	22.58		
				E1	V	22.83		
					H	22.48		
				E2	V	22.46		
					H	22.37		
	Highest	75	0	H	V	22.29	33.00	Pass
					H	22.44		
				E1	V	22.92		
					H	22.72		
				E2	V	22.34		
					H	22.44		

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	22.25	33.00	Pass
					H	22.81		
				E1	V	22.25		
					H	22.02		
				E2	V	22.59		
					H	22.61		
	Middle	100	0	H	V	22.60	33.00	Pass
					H	22.11		
				E1	V	22.02		
					H	22.03		
				E2	V	21.66		
					H	22.24		
	Highest	100	0	H	V	21.77	33.00	Pass
					H	22.37		
				E1	V	22.50		
					H	22.30		
				E2	V	22.35		
					H	22.07		

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	23.20	33.00	Pass
					H	23.00		
				E1	V	23.72		
					H	23.51		
				E2	V	23.14		
					H	23.39		
	Middle	25	0	H	V	23.48	33.00	Pass
					H	23.48		
				E1	V	23.34		
					H	23.13		
				E2	V	23.26		
					H	23.76		
	Highest	25	0	H	V	23.62	33.00	Pass
					H	22.84		
				E1	V	22.92		
					H	23.03		
				E2	V	22.88		
					H	22.94		

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	23.00	33.00	Pass
					H	23.20		
				E1	V	23.17		
					H	22.49		
				E2	V	22.94		
					H	23.01		
	Middle	50	0	H	V	22.92	33.00	Pass
					H	22.51		
				E1	V	22.83		
					H	22.97		
				E2	V	22.87		
					H	23.41		
	Highest	50	0	H	V	22.54	33.00	Pass
					H	22.57		
				E1	V	22.77		
					H	22.93		
				E2	V	22.68		
					H	23.24		

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	22.22	33.00	Pass
					H	22.72		
				E1	V	22.88		
					H	22.62		
				E2	V	23.00		
					H	22.60		
	Middle	75	0	H	V	23.06	33.00	Pass
					H	22.96		
				E1	V	22.70		
					H	22.35		
				E2	V	22.67		
					H	22.67		
	Highest	75	0	H	V	22.51	33.00	Pass
					H	22.86		
				E1	V	22.47		
					H	22.19		
				E2	V	22.60		
					H	22.84		

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	22.22	33.00	Pass
					H	22.20		
				E1	V	22.18		
					H	21.78		
				E2	V	22.02		
					H	22.14		
	Middle	100	0	H	V	22.23	33.00	Pass
					H	21.70		
				E1	V	21.72		
					H	21.97		
				E2	V	21.98		
					H	22.37		
	Highest	100	0	H	V	21.90	33.00	Pass
					H	22.42		
				E1	V	22.39		
					H	22.45		
				E2	V	21.97		
					H	22.55		

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	22.81	33.00	Pass
					H	23.25		
				E1	V	23.29		
					H	23.12		
				E2	V	22.88		
					H	23.51		
	Middle	6	0	H	V	23.58	33.00	Pass
					H	23.53		
				E1	V	23.32		
					H	23.47		
				E2	V	22.87		
					H	22.90		
	Highest	6	0	H	V	23.59	33.00	Pass
					H	23.30		
				E1	V	23.66		
					H	23.21		
				E2	V	23.40		
					H	23.29		

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	23.01	33.00	Pass
					H	22.88		
				E1	V	22.84		
					H	22.48		
				E2	V	22.48		
					H	22.92		
	Middle	15	0	H	V	23.24	33.00	Pass
					H	22.72		
				E1	V	23.29		
					H	22.58		
				E2	V	23.12		
					H	22.64		
	Highest	15	0	H	V	22.80	33.00	Pass
					H	22.96		
				E1	V	22.88		
					H	23.22		
				E2	V	22.95		
					H	22.81		

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	22.58	33.00	Pass
					H	22.07		
				E1	V	22.38		
					H	21.85		
				E2	V	22.49		
					H	22.79		
	Middle	25	0	H	V	22.89	33.00	Pass
					H	22.78		
				E1	V	21.83		
					H	21.92		
				E2	V	22.24		
					H	22.43		
	Highest	25	0	H	V	22.26	33.00	Pass
					H	22.25		
				E1	V	22.36		
					H	22.21		
				E2	V	22.17		
					H	22.25		

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	22.39	33.00	Pass
					H	22.38		
				E1	V	22.10		
					H	21.96		
				E2	V	21.76		
					H	21.82		
	Middle	50	0	H	V	21.92	33.00	Pass
					H	22.04		
				E1	V	22.27		
					H	21.93		
				E2	V	22.25		
					H	22.53		
	Highest	50	0	H	V	22.13	33.00	Pass
					H	22.33		
				E1	V	22.27		
					H	21.59		
				E2	V	21.75		
					H	21.84		

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	22.82	33.00	Pass
					H	23.27		
				E1	V	23.37		
					H	23.29		
				E2	V	23.23		
					H	23.18		
	Middle	6	0	H	V	23.65	33.00	Pass
					H	23.74		
				E1	V	22.98		
					H	23.36		
				E2	V	22.83		
					H	23.24		
	Highest	6	0	H	V	22.81	33.00	Pass
					H	23.16		
				E1	V	22.79		
					H	23.39		
				E2	V	23.62		
					H	22.98		

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	22.64	33.00	Pass
					H	22.39		
				E1	V	22.54		
					H	22.81		
				E2	V	22.35		
					H	22.93		
	Middle	15	0	H	V	23.33	33.00	Pass
					H	22.58		
				E1	V	23.13		
					H	23.06		
				E2	V	22.77		
					H	22.73		
	Highest	15	0	H	V	22.61	33.00	Pass
					H	22.36		
				E1	V	23.09		
					H	22.75		
				E2	V	22.63		
					H	22.60		

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	22.38	33.00	Pass
					H	22.25		
				E1	V	22.62		
					H	22.46		
				E2	V	22.62		
					H	22.13		
	Middle	25	0	H	V	22.72	33.00	Pass
					H	22.38		
				E1	V	22.17		
					H	22.37		
				E2	V	22.42		
					H	22.06		
	Highest	25	0	H	V	22.01	33.00	Pass
					H	22.27		
				E1	V	22.85		
					H	22.25		
				E2	V	22.77		
					H	22.52		

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	22.59	33.00	Pass
					H	21.61		
				E1	V	21.65		
					H	22.30		
				E2	V	22.19		
					H	22.10		
	Middle	50	0	H	V	21.93	33.00	Pass
					H	22.15		
				E1	V	22.06		
					H	21.69		
				E2	V	21.70		
					H	21.61		
	Highest	50	0	H	V	22.24	33.00	Pass
					H	22.42		
				E1	V	22.18		
					H	21.78		
				E2	V	21.91		
					H	21.80		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 13 (5MHz) QPSK	Lowest	25	0	H	V	23.50	34.77	Pass
					H	23.42		
				E1	V	23.74		
					H	23.29		
				E2	V	22.87		
					H	23.04		
	Middle	25	0	H	V	23.80	34.77	Pass
					H	22.99		
				E1	V	23.76		
					H	23.11		
				E2	V	22.96		
					H	23.86		
	Highest	25	0	H	V	23.59	34.77	Pass
					H	23.15		
				E1	V	23.40		
					H	23.69		
				E2	V	23.51		
					H	23.22		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 13 (10MHz) QPSK	Middle	50	0	H	V	23.07	34.77	Pass
					H	22.66		
				E1	V	22.39		
					H	22.64		
				E2	V	22.92		
					H	23.28		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 13 (5MHz) 16QAM	Lowest	25	0	H	V	23.41	34.77	Pass
					H	23.54		
				E1	V	23.10		
					H	23.80		
				E2	V	23.41		
					H	22.98		
	Middle	25	0	H	V	23.16	34.77	Pass
					H	23.24		
				E1	V	23.34		
					H	23.15		
				E2	V	23.66		
					H	23.51		
	Highest	25	0	H	V	23.54	34.77	Pass
					H	23.40		
				E1	V	22.90		
					H	23.69		
				E2	V	23.02		
					H	22.99		

EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 13 (10MHz) 16QAM	Middle	50	0	H	V	22.63	34.77	Pass
					H	22.91		
				E1	V	23.15		
					H	22.97		
				E2	V	22.84		
					H	22.72		

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	23.11	33.00	Pass
					H	22.89		
				E1	V	23.19		
					H	23.44		
				E2	V	23.40		
					H	23.36		
	Middle	25	0	H	V	23.63	33.00	Pass
					H	23.82		
				E1	V	23.75		
					H	23.58		
				E2	V	23.60		
					H	23.04		
	Highest	25	0	H	V	22.89	33.00	Pass
					H	23.73		
				E1	V	23.36		
					H	23.22		
				E2	V	23.84		
					H	23.10		

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	23.01	33.00	Pass
					H	22.89		
				E1	V	23.01		
					H	22.69		
				E2	V	22.41		
					H	22.69		
	Middle	50	0	H	V	23.19	33.00	Pass
					H	22.76		
				E1	V	22.99		
					H	22.77		
				E2	V	23.01		
					H	22.95		
	Highest	50	0	H	V	23.13	33.00	Pass
					H	23.14		
				E1	V	23.05		
					H	23.33		
				E2	V	23.59		
					H	22.98		

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	22.84	33.00	Pass
					H	22.54		
				E1	V	22.83		
					H	22.96		
				E2	V	22.40		
					H	22.48		
	Middle	75	0	H	V	22.79	33.00	Pass
					H	23.11		
				E1	V	22.75		
					H	22.44		
				E2	V	22.68		
					H	22.99		
	Highest	75	0	H	V	22.60	33.00	Pass
					H	22.19		
				E1	V	22.77		
					H	21.99		
				E2	V	22.70		
					H	22.92		

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	22.33	33.00	Pass
					H	22.60		
				E1	V	22.40		
					H	22.30		
				E2	V	22.10		
					H	21.77		
	Middle	100	0	H	V	22.35	33.00	Pass
					H	22.14		
				E1	V	22.58		
					H	22.64		
				E2	V	22.10		
					H	22.13		
	Highest	100	0	H	V	22.09	33.00	Pass
					H	22.43		
				E1	V	22.72		
					H	22.63		
				E2	V	22.32		
					H	22.21		

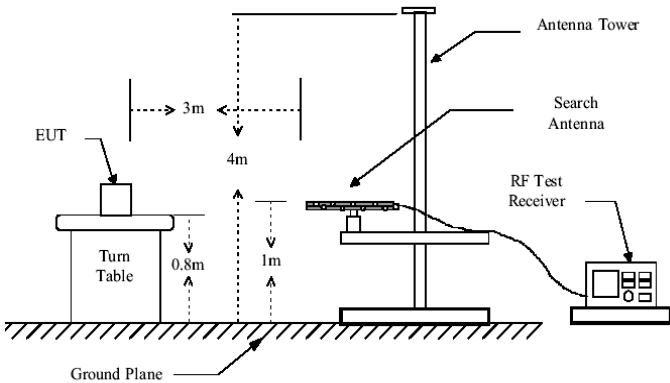
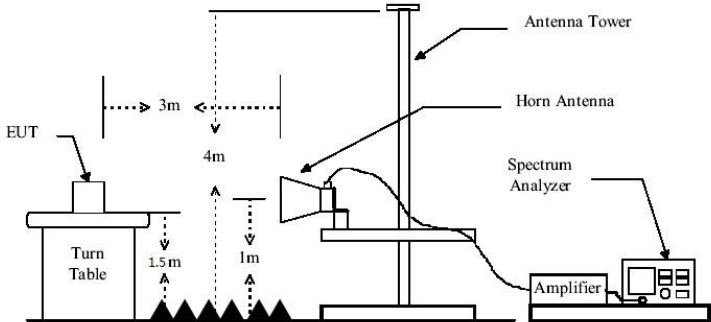
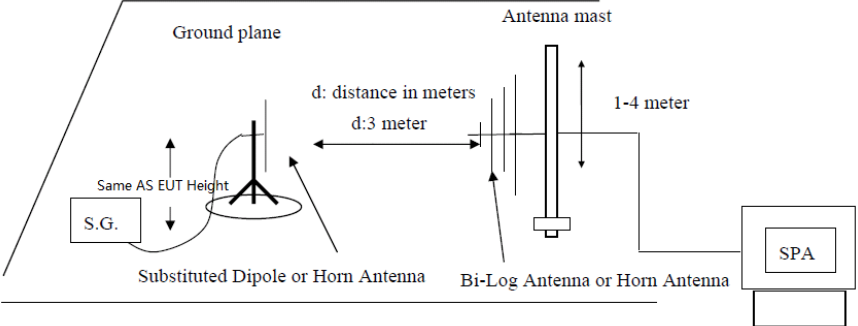
EUT mode	Channel	RB Size	RB Offset	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
LTE Band 41 (5MHz) 16 QAM	Lowest	25	0	H	V	23.64	33.00	Pass
					H	23.04		
				E1	V	23.84		
					H	22.89		
				E2	V	23.37		
					H	23.11		
	Middle	25	0	H	V	23.09	33.00	Pass
					H	23.57		
				E1	V	23.31		
					H	23.33		
				E2	V	23.16		
					H	23.22		
	Highest	25	0	H	V	23.59	33.00	Pass
					H	23.37		
				E1	V	23.43		
					H	23.27		
				E2	V	23.81		
					H	23.41		

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	23.24	33.00	Pass
					H	23.11		
				E1	V	22.81		
					H	23.60		
				E2	V	23.28		
					H	22.45		
	Middle	50	0	H	V	22.84	33.00	Pass
					H	22.77		
				E1	V	22.51		
					H	22.58		
				E2	V	22.61		
					H	23.32		
	Highest	50	0	H	V	23.07	33.00	Pass
					H	22.64		
				E1	V	22.82		
					H	23.02		
				E2	V	22.88		
					H	23.01		

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	22.63	33.00	Pass
					H	22.65		
				E1	V	22.57		
					H	22.77		
				E2	V	22.58		
					H	22.54		
	Middle	75	0	H	V	22.62	33.00	Pass
					H	22.63		
				E1	V	22.68		
					H	22.79		
				E2	V	22.53		
					H	22.98		
	Highest	75	0	H	V	22.20	33.00	Pass
					H	23.08		
				E1	V	22.69		
					H	22.49		
				E2	V	23.15		
					H	22.89		

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	21.87	33.00	Pass
					H	22.65		
				E1	V	22.00		
					H	21.98		
				E2	V	21.75		
					H	21.95		
	Middle	100	0	H	V	22.09	33.00	Pass
					H	22.06		
				E1	V	22.40		
					H	22.38		
				E2	V	21.84		
					H	22.47		
	Highest	100	0	H	V	22.28	33.00	Pass
					H	21.92		
				E1	V	22.70		
					H	22.43		
				E2	V	22.48		
					H	22.36		

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)		
3703.03	V	-33.57	-13.00	Pass
5553.52	V	-34.61		
7402.87	V	-36.83		
9255.16	V	-40.00		
11104.27	V	-43.37		
3702.34	H	-33.67	-13.00	Pass
5553.30	H	-38.14		
7404.43	H	-39.93		
9255.26	H	-40.00		
11105.81	H	-40.64		
Test mode:	LTE Band 2(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3761.22	V	-32.34	-13.00	Pass
5640.53	V	-34.92		
7520.57	V	-40.43		
9399.77	V	-42.63		
11281.29	V	-44.44		
3760.28	H	-34.37	-13.00	Pass
5639.99	H	-35.04		
7520.75	H	-36.00		
9401.93	H	-42.56		
11280.54	H	-40.87		
Test mode:	LTE Band 2(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3819.63	V	-34.93	-13.00	Pass
5728.05	V	-35.69		
7638.25	V	-38.02		
9546.84	V	-43.52		
11456.51	V	-42.67		
3820.53	H	-37.40	-13.00	Pass
5729.07	H	-35.63		
7636.86	H	-39.46		
9547.01	H	-42.79		
11456.30	H	-40.20		

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)		
3422.88	V	-34.01	-13.00	Pass
5133.17	V	-38.09		
6841.96	V	-36.78		
8553.73	V	-41.32		
10266.01	V	-41.33		
3420.68	H	-35.54	-13.00	Pass
5133.96	H	-39.84		
6842.61	H	-36.21		
8552.71	H	-41.38		
10263.43	H	-40.41		
Test mode:	LTE Band 4(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3466.91	V	-37.67	-13.00	Pass
5197.85	V	-39.20		
6931.72	V	-37.64		
8662.94	V	-38.41		
10394.97	V	-40.93		
3466.62	H	-37.34	-13.00	Pass
5196.57	H	-36.44		
6929.85	H	-37.87		
8662.85	H	-42.14		
10394.78	H	-45.75		
Test mode:	LTE Band 4(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3510.27	V	-34.02	-13.00	Pass
5262.24	V	-34.87		
7019.17	V	-38.03		
8773.06	V	-38.75		
10527.74	V	-40.79		
3509.60	H	-34.04	-13.00	Pass
5262.35	H	-35.06		
7019.11	H	-38.67		
8772.30	H	-42.66		
10526.65	H	-44.86		

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)		
1652.14	V	-32.08	-13.00	Pass
2477.81	V	-34.19		
3304.48	V	-38.56		
4130.04	V	-38.38		
4953.56	V	-42.52		
1650.77	H	-34.58	-13.00	Pass
2478.29	H	-35.50		
3303.00	H	-37.69		
4127.70	H	-42.94		
4954.15	H	-42.99		
Test mode:	LTE Band 5(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1674.71	V	-35.73	-13.00	Pass
2511.27	V	-38.01		
3347.10	V	-36.02		
4184.88	V	-39.40		
5021.78	V	-42.22		
1675.96	H	-35.31	-13.00	Pass
2512.18	H	-38.55		
3348.57	H	-40.21		
4184.73	H	-40.41		
5021.65	H	-45.64		
Test mode:	LTE Band 5(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1698.41	V	-37.21	-13.00	Pass
2546.31	V	-36.25		
3393.77	V	-36.68		
4241.48	V	-43.42		
5091.53	V	-40.48		
1698.42	H	-36.27	-13.00	Pass
2544.11	H	-34.06		
3393.20	H	-41.87		
4242.69	H	-43.51		
5089.74	H	-44.69		

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 7(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5005.51	V	-33.87	-25.00	Pass
7506.64	V	-34.69		
10011.24	V	-38.40		
12512.40	V	-43.94		
15015.86	V	-40.14		
5006.21	H	-32.46	-25.00	Pass
7509.15	H	-37.89		
10011.25	H	-41.97		
12513.26	H	-43.36		
15014.26	H	-45.27		
Test mode:	LTE Band 7(5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5071.03	V	-37.23	-25.00	Pass
7606.08	V	-35.27		
10140.48	V	-36.31		
12675.65	V	-40.36		
15210.94	V	-41.52		
5071.58	H	-32.31	-25.00	Pass
7606.00	H	-35.22		
10139.02	H	-37.08		
12675.59	H	-40.99		
15211.03	H	-42.66		
Test mode:	LTE Band 7(5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5136.10	V	-33.54	-25.00	Pass
7703.39	V	-39.84		
10271.20	V	-40.16		
12839.26	V	-38.59		
15404.85	V	-42.53		
5135.53	H	-35.65	-25.00	Pass
7703.99	H	-34.94		
10269.28	H	-37.33		
12836.83	H	-40.66		
15404.66	H	-41.26		

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)		
1400.44	V	-37.24	-13.00	Pass
2100.87	V	-38.49		
2800.37	V	-40.81		
3498.64	V	-43.17		
4198.15	V	-45.21		
1398.75	H	-37.67	-13.00	Pass
2100.73	H	-38.82		
2798.57	H	-38.32		
3497.82	H	-43.48		
4200.05	H	-45.06		
Test mode:	LTE Band 12(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1416.89	V	-35.44	-13.00	Pass
2124.13	V	-39.69		
2830.17	V	-36.05		
3538.75	V	-42.09		
4245.60	V	-45.08		
1416.57	H	-36.63	-13.00	Pass
2121.65	H	-39.45		
2831.06	H	-41.25		
3538.11	H	-39.26		
4246.61	H	-40.16		
Test mode:	LTE Band 12(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1432.52	V	-33.39	-13.00	Pass
2145.69	V	-34.72		
2862.03	V	-40.90		
3577.09	V	-39.66		
4291.77	V	-43.08		
1430.65	H	-34.86	-13.00	Pass
2147.39	H	-35.46		
2861.10	H	-36.29		
3575.84	H	-38.90		
4292.79	H	-40.46		

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 13(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1585.33	V	-48.01	-40.00	Pass
774.24	V	-46.96	-35.00	Pass
798.76	V	-47.41	-35.00	Pass
1558.21	V	-35.02	-13.00	Pass
2338.47	V	-36.16		
3117.23	V	-36.61		
3898.33	V	-39.30		
4676.07	V	-41.45		
1584.86	H	-48.31	-40.00	Pass
772.64	H	-46.25	-35.00	Pass
798.51	H	-46.72	-35.00	Pass
1558.89	H	-36.42	-13.00	Pass
2337.52	H	-35.00		
3117.96	H	-38.22		
3899.15	H	-42.70		
4676.73	H	-40.49		
Test mode:	LTE Band 13(5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1565.54	V	-46.60	-40.00	Pass
771.26	V	-48.67	-35.00	Pass
801.21	V	-48.04	-35.00	Pass
2347.43	V	-38.88	-13.00	Pass
3128.30	V	-41.51		
3909.36	V	-41.17		
4692.86	V	-40.93		
1565.54	V	-36.60		
1564.75	H	-47.37	-40.00	Pass
769.29	H	-47.42	-35.00	Pass
799.94	H	-48.71	-35.00	Pass
2346.63	H	-34.25	-13.00	Pass
3128.06	H	-41.18		
3909.19	H	-43.07		
4691.95	H	-42.88		
1564.75	H	-37.37		

Test mode:	LTE Band 13(5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1581.65	V	-49.04	-40.00	Pass
771.85	V	-47.85	-35.00	Pass
799.53	V	-48.63	-35.00	Pass
1569.88	V	-37.07	-13.00	Pass
2355.37	V	-37.69		
3139.74	V	-37.77		
3923.68	V	-40.83		
4706.42	V	-43.34		
1583.53	H	-48.76	-40.00	Pass
770.81	H	-47.33	-35.00	Pass
797.39	H	-46.82	-35.00	Pass
1568.61	H	-32.17	-13.00	Pass
2353.94	H	-34.50		
3139.46	H	-38.17		
3923.86	H	-43.69		
4706.01	H	-45.81		

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)		
4996.18	V	-32.67	-25.00	Pass
7497.35	V	-37.52		
9994.52	V	-38.50		
12492.14	V	-41.73		
14992.38	V	-41.70		
4997.66	H	-34.06	-25.00	Pass
7496.53	H	-39.70		
9994.01	H	-36.27		
12493.17	H	-41.01		
14992.70	H	-45.30		
Test mode:	LTE Band 41(5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5187.99	V	-37.29	-25.00	Pass
7778.27	V	-34.76		
10373.22	V	-38.40		
12966.62	V	-41.51		
15557.24	V	-44.47		
5186.85	H	-36.12	-25.00	Pass
7780.20	H	-38.61		
10373.17	H	-40.63		
12965.42	H	-38.10		
15557.84	H	-42.69		
Test mode:	LTE Band 41(5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5375.13	V	-36.69	-25.00	Pass
8063.93	V	-34.89		
10749.14	V	-40.34		
13437.14	V	-41.80		
16124.17	V	-41.93		
5374.96	H	-33.70	-25.00	Pass
8062.62	H	-39.29		
10750.30	H	-36.08		
13436.60	H	-40.97		
16124.99	H	-44.16		

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)		
3700.95	V	-37.39	-13.00	Pass
5551.92	V	-37.80		
7404.74	V	-36.21		
9253.79	V	-43.22		
11103.40	V	-43.76		
3700.44	H	-35.72	-13.00	Pass
5554.03	H	-36.07		
7403.93	H	-38.33		
9255.24	H	-41.62		
11105.18	H	-43.07		
Test mode:	LTE Band 2 (1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3761.37	V	-36.77	-13.00	Pass
5639.77	V	-36.34		
7520.40	V	-40.66		
9400.03	V	-38.82		
11281.97	V	-40.15		
3759.66	H	-35.58	-13.00	Pass
5640.27	H	-39.65		
7520.17	H	-37.66		
9400.65	H	-39.00		
11281.66	H	-44.15		
Test mode:	LTE Band 2 (1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.90	V	-33.26	-13.00	Pass
5727.56	V	-35.30		
7637.51	V	-41.43		
9546.49	V	-41.70		
11455.29	V	-40.26		
3818.79	H	-36.95	-13.00	Pass
5728.61	H	-39.20		
7636.34	H	-38.48		
9547.08	H	-42.83		
11456.13	H	-43.44		

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)		
3422.94	V	-32.55	-13.00	Pass
5131.35	V	-36.46		
6842.96	V	-40.76		
8553.52	V	-39.48		
10264.76	V	-40.39		
3422.10	H	-35.22	-13.00	Pass
5133.63	H	-39.50		
6842.77	H	-36.00		
8553.45	H	-40.87		
10263.82	H	-41.76		
Test mode:	LTE Band 4(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3466.20	V	-35.81	-13.00	Pass
5197.57	V	-39.90		
6930.59	V	-38.80		
8661.77	V	-43.82		
10394.14	V	-41.06		
3464.32	H	-35.51	-13.00	Pass
5196.53	H	-38.88		
6929.71	H	-41.72		
8662.99	H	-41.25		
10396.03	H	-40.30		
Test mode:	LTE Band 4(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3510.42	V	-36.49	-13.00	Pass
5264.34	V	-36.43		
7018.39	V	-40.83		
8772.59	V	-43.26		
10527.48	V	-45.08		
3508.25	H	-32.22	-13.00	Pass
5263.95	H	-38.16		
7017.52	H	-39.34		
8771.48	H	-39.62		
10524.97	H	-41.31		

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)		
1651.64	V	-35.20	-13.00	Pass
2477.06	V	-38.16		
3302.02	V	-36.49		
4130.34	V	-43.65		
4955.57	V	-43.05		
1652.24	H	-32.15	-13.00	Pass
2476.90	H	-37.54		
3303.48	H	-37.62		
4128.42	H	-40.83		
4955.70	H	-44.64		
Test mode:	LTE Band 5(1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1675.22	V	-34.28	-13.00	Pass
2510.40	V	-39.49		
3349.28	V	-38.98		
4185.97	V	-42.18		
5022.54	V	-40.14		
1674.38	H	-32.19	-13.00	Pass
2512.84	H	-36.50		
3349.50	H	-41.65		
4186.75	H	-40.54		
5022.14	H	-45.05		
Test mode:	LTE Band 5(1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1697.68	V	-34.85	-13.00	Pass
2545.18	V	-36.91		
3394.08	V	-41.98		
4241.11	V	-39.48		
5089.53	V	-45.75		
1696.33	H	-34.18	-13.00	Pass
2544.45	H	-35.33		
3394.87	H	-41.97		
4240.59	H	-41.45		
5089.96	H	-44.18		

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)		
5004.60	V	-35.82	-25.00	Pass
7509.36	V	-38.15		
10010.35	V	-37.97		
12513.18	V	-40.50		
15014.18	V	-44.52		
5005.24	H	-37.42	-25.00	Pass
7506.54	H	-38.27		
10010.19	H	-36.02		
12513.18	H	-40.23		
15016.89	H	-40.16		
Test mode:	LTE Band 7(5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5069.12	V	-32.32	-25.00	Pass
7604.54	V	-36.20		
10140.41	V	-37.68		
12674.96	V	-38.74		
15210.68	V	-43.11		
5069.72	H	-34.68	-25.00	Pass
7606.31	H	-36.00		
10141.30	H	-40.12		
12675.63	H	-40.02		
15210.93	H	-40.42		
Test mode:	LTE Band 7(5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5135.39	V	-34.25	-25.00	Pass
7703.17	V	-35.09		
10269.76	V	-41.98		
12836.73	V	-42.83		
15405.11	V	-44.90		
5134.66	H	-35.40	-25.00	Pass
7703.73	H	-38.93		
10269.18	H	-41.23		
12837.01	H	-38.83		
15404.70	H	-42.08		

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)		
1401.29	V	-33.67	-13.00	Pass
2099.07	V	-38.46		
2799.36	V	-37.04		
3500.33	V	-41.45		
4197.54	V	-42.07		
1400.16	H	-36.26	-13.00	Pass
2100.11	H	-38.43		
2800.09	H	-36.46		
3499.17	H	-38.14		
4197.53	H	-43.01		
Test mode:	LTE Band 12 (1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1415.32	V	-36.15	-13.00	Pass
2123.93	V	-38.57		
2831.78	V	-37.08		
3536.59	V	-42.24		
4245.09	V	-41.00		
1416.15	H	-35.16	-13.00	Pass
2122.68	H	-36.44		
2829.66	H	-41.38		
3537.23	H	-38.90		
4244.03	H	-43.61		
Test mode:	LTE Band 12 (1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1429.91	V	-32.74	-13.00	Pass
2145.16	V	-39.11		
2862.09	V	-40.68		
3577.03	V	-41.14		
4293.01	V	-42.92		
1431.87	H	-36.30	-13.00	Pass
2147.12	H	-36.22		
2861.39	H	-37.79		
3575.89	H	-41.80		
4290.90	H	-45.37		

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 13(5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1582.34	V	-47.45	-40	Pass
769.91	V	-48.13	-35	Pass
798.47	V	-47.84	-35	Pass
1560.33	V	-36.52	-13.00	Pass
2337.92	V	-38.73		
3118.80	V	-38.74		
3898.54	V	-43.17		
4678.05	V	-42.97		
1581.73	H	-49.04	-40	Pass
768.11	H	-45.32	-35	Pass
799.76	H	-46.51	-35	Pass
1560.14	H	-34.52	-13.00	Pass
2338.41	H	-38.44		
3119.73	H	-40.96		
3899.40	H	-41.37		
4677.45	H	-43.69		
Test mode:	LTE Band 13(5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1583.40	V	-48.58	-40	Pass
769.26	V	-48.35	-35	Pass
801.03	V	-46.48	-35	Pass
1563.96	V	-32.39	-13.00	Pass
2346.04	V	-35.50		
3127.68	V	-37.45		
3910.77	V	-38.12		
4693.25	V	-42.65		
1580.74	H	-49.20	-40	Pass
770.29	H	-47.62	-35	Pass
779.75	H	-45.59	-35	Pass
1565.67	H	-35.62	-13.00	Pass
2347.59	H	-34.01		
3129.03	H	-38.53		
3910.78	H	-38.40		
4693.69	H	-41.74		

Test mode:	LTE Band 13(5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
1578.43	V	-47.28	-40	Pass
768.54	V	-46.15	-35	Pass
799.74	V	-45.66	-35	Pass
1569.64	V	-37.54	-13.00	Pass
2354.41	V	-37.37		
3138.87	V	-36.86		
3923.57	V	-43.43		
4708.12	V	-40.71		
1581.52	H	-49.14	-40	Pass
771.39	H	-47.82	-35	Pass
800.14	H	-48.27	-35	Pass
1569.05	H	-36.73	-13.00	Pass
2354.69	H	-35.31		
3138.73	H	-40.29		
3923.37	H	-39.79		
4707.29	H	-45.43		

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)		
4998.25	V	-35.17	-25.00	Pass
7496.23	V	-34.43		
9995.17	V	-41.58		
12491.90	V	-38.07		
14992.01	V	-44.27		
4997.58	H	-36.01	-25.00	Pass
7495.25	H	-39.94		
9995.87	H	-41.49		
12492.12	H	-41.66		
14992.06	H	-45.86		
Test mode:	LTE Band 41 (5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5185.08	V	-37.73	-25.00	Pass
7778.27	V	-38.90		
10371.99	V	-39.32		
12965.54	V	-39.69		
15557.62	V	-45.84		
5187.58	H	-33.44	-25.00	Pass
7780.93	H	-34.52		
10371.80	H	-41.18		
12964.51	H	-41.98		
15557.41	H	-42.53		
Test mode:	LTE Band 41 (5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
5375.71	V	-37.66	-25.00	Pass
8062.68	V	-39.80		
10750.89	V	-36.37		
13437.96	V	-41.31		
16126.97	V	-41.67		
5376.37	H	-32.05	-25.00	Pass
8061.74	H	-39.95		
10750.42	H	-38.50		
13436.64	H	-42.61		
16125.46	H	-40.56		

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.

4.10 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	15	0.0080		
	0	14	0.0074		
	10	-24	-0.0128		
	20	18	0.0096		
	30	9	0.0048		
	40	0	0.0000		
	50	-2	-0.0011		
	60	16	0.0085		
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	15	0.0087	2.5	Pass
	-10	16	0.0092		
	0	13	0.0075		
	10	-29	-0.0167		
	20	22	0.0127		
	30	8	0.0046		
	40	2	0.0012		
	50	0	0.0000		
	60	11	0.0063		
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	17	0.0203	2.5	Pass
	-10	20	0.0239		
	0	19	0.0227		
	10	-26	-0.0311		
	20	21	0.0251		
	30	10	0.0120		
	40	-4	-0.0048		
	50	-3	-0.0036		
	60	12	0.0143		