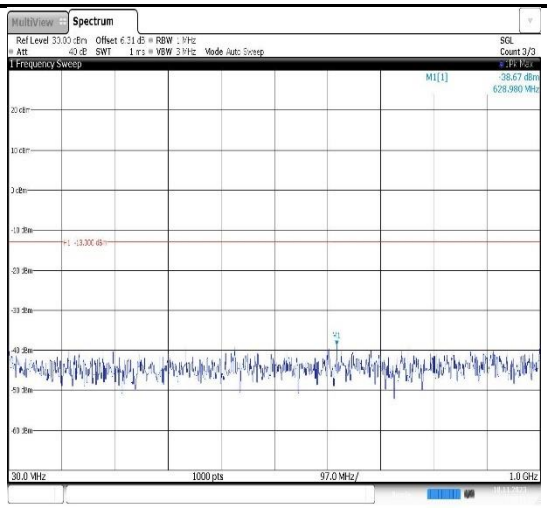
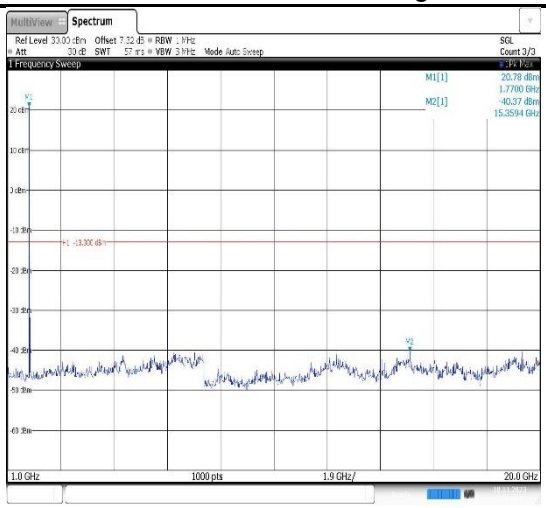
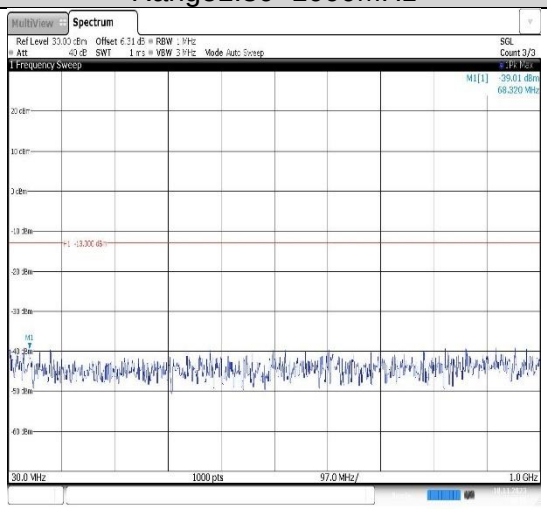


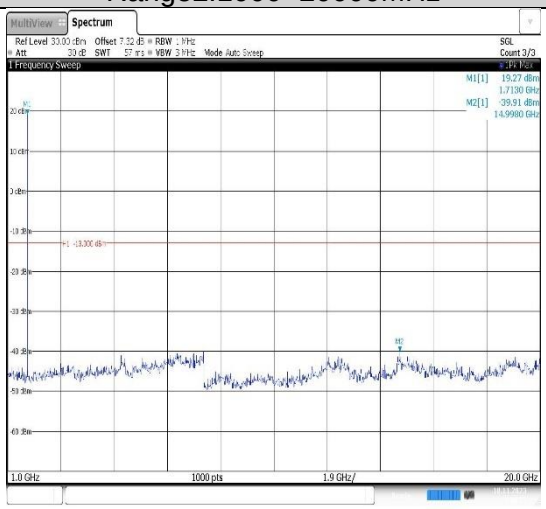
Band66-3MHz-16QAM-131987-1RB#0-Range1:30~1000MHz



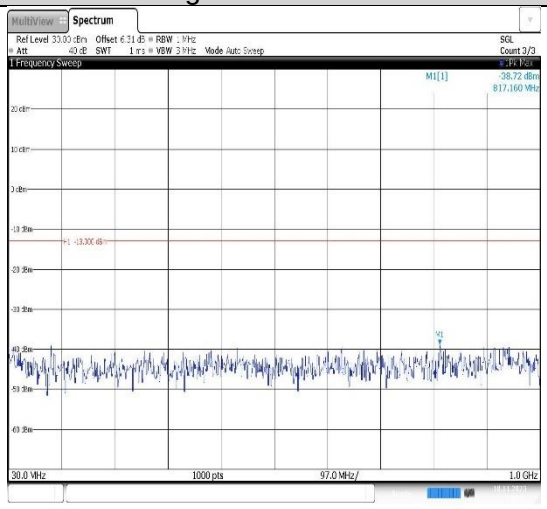
Band66-3MHz-16QAM-131987-1RB#0-Range2:1000~20000MHz



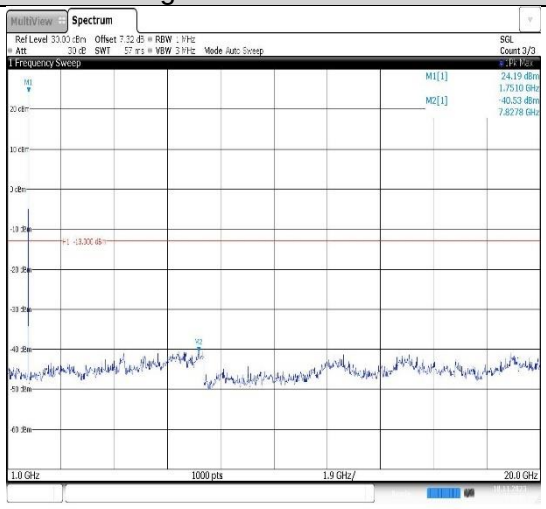
Band66-3MHz-16QAM-132322-1RB#0-Range1:30~1000MHz



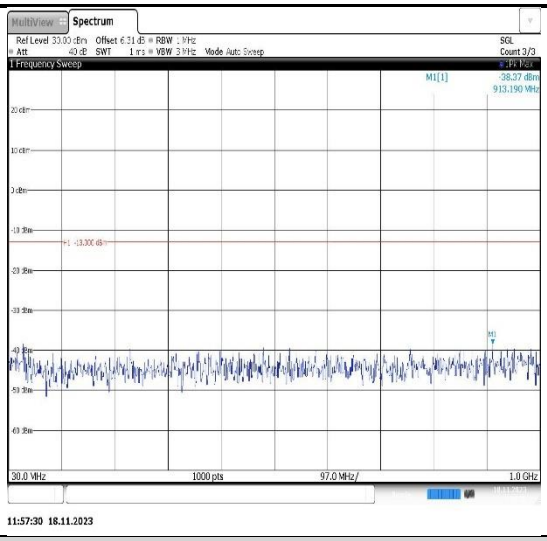
Band66-3MHz-16QAM-132322-1RB#0-Range2:1000~20000MHz



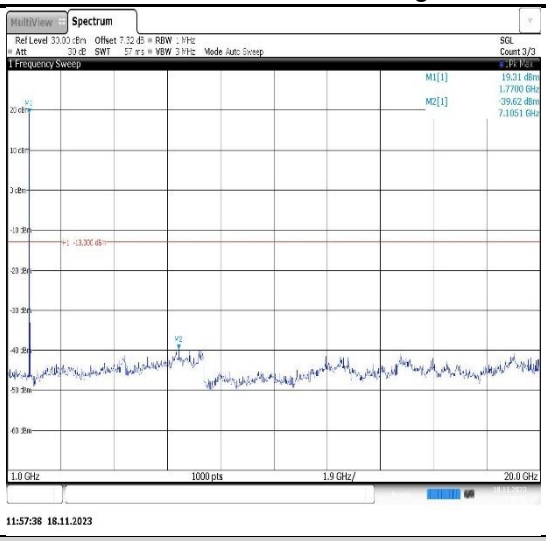
Band66-3MHz-16QAM-132657-1RB#0-Range1:30~1000MHz



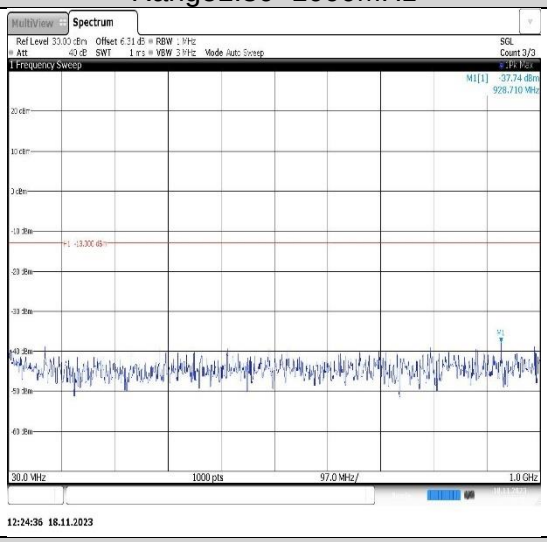
Band66-3MHz-16QAM-132657-1RB#0-Range2:1000~20000MHz



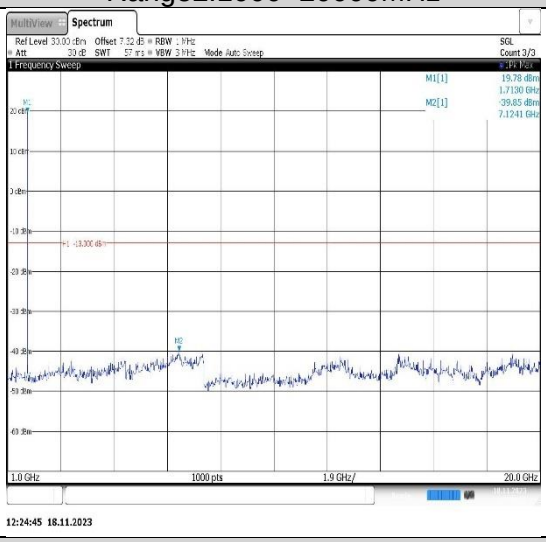
Band66-5MHz-QPSK-131997-1RB#0-Range1:30~1000MHz



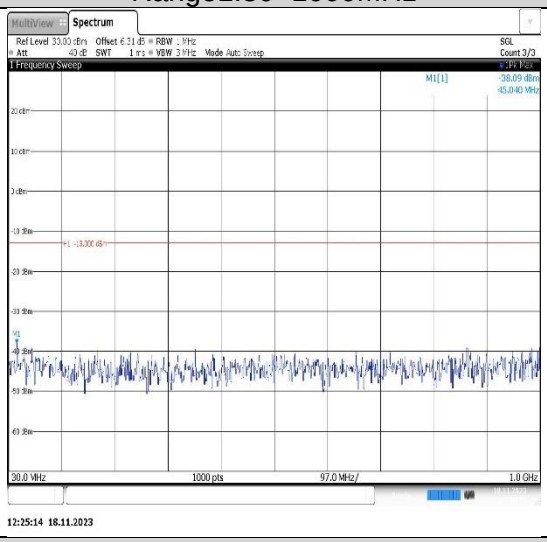
Band66-5MHz-QPSK-131997-1RB#0-Range2:1000~20000MHz



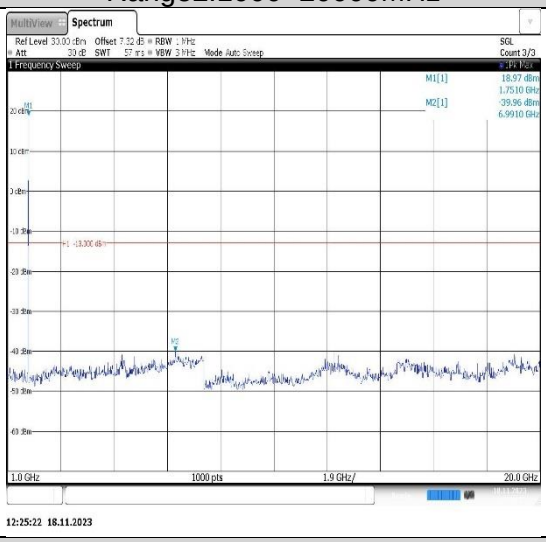
Band66-5MHz-QPSK-132322-1RB#0-Range1:30~1000MHz



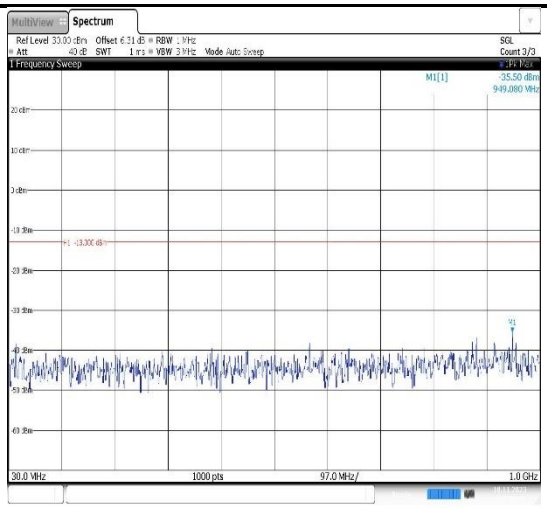
Band66-5MHz-QPSK-132322-1RB#0-Range2:1000~20000MHz



Band66-5MHz-QPSK-132647-1RB#0-Range1:30~1000MHz

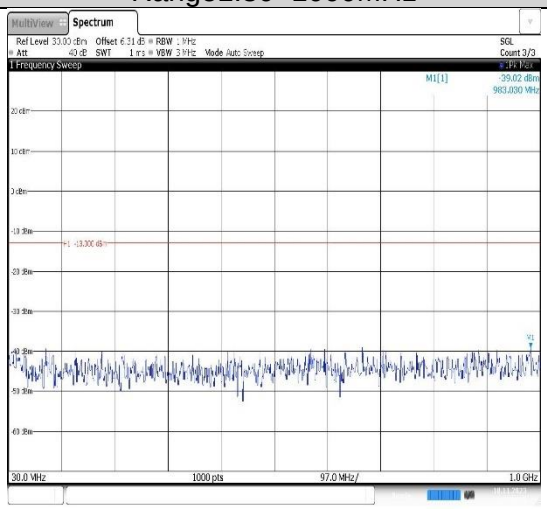


Band66-5MHz-QPSK-132647-1RB#0-Range2:1000~20000MHz

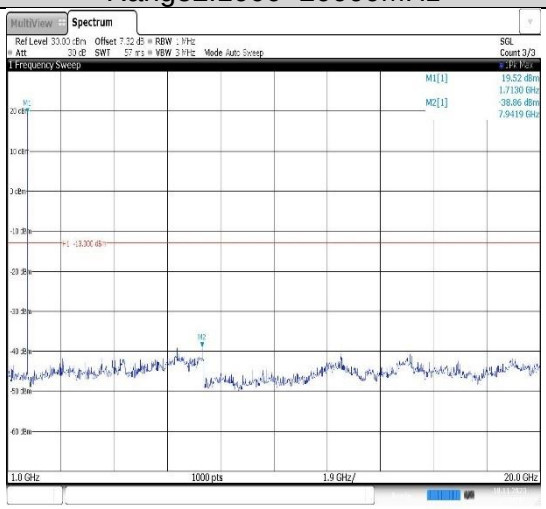


Band66-5MHz-16QAM-131997-1RB#0-Range1:30~1000MHz

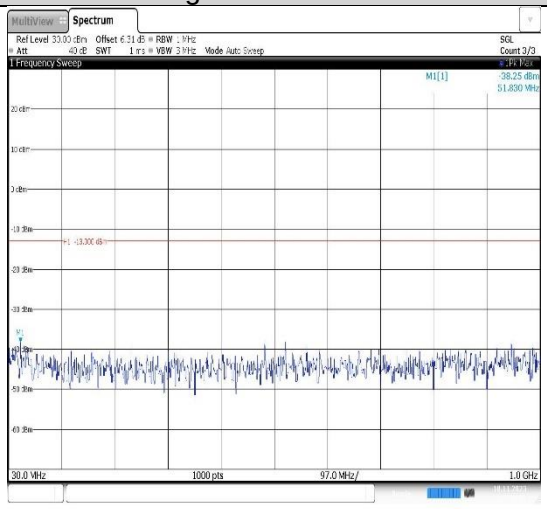
Band66-5MHz-16QAM-131997-1RB#0-Range2:1000~20000MHz



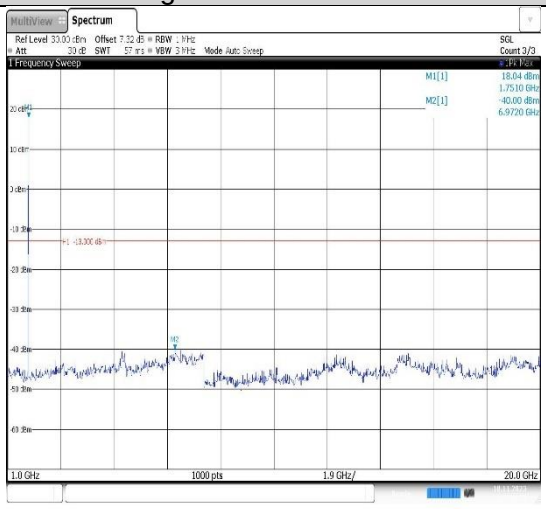
Band66-5MHz-16QAM-132322-1RB#0-Range1:30~1000MHz



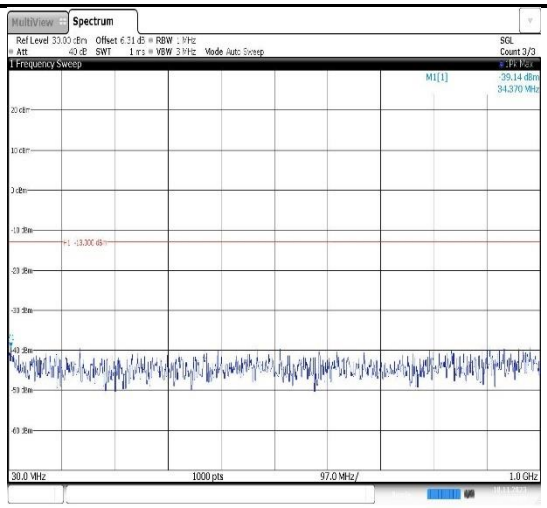
Band66-5MHz-16QAM-132322-1RB#0-Range2:1000~20000MHz



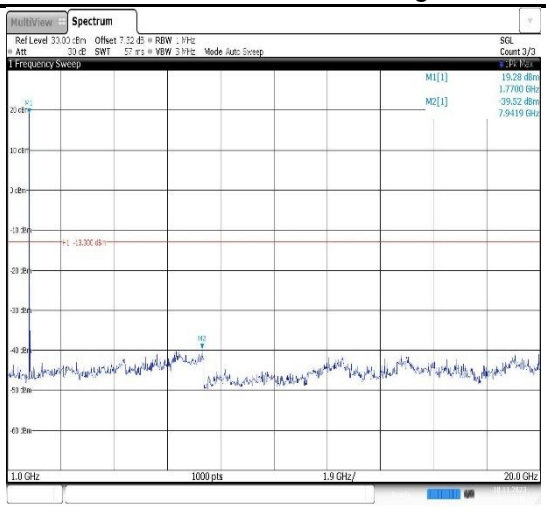
Band66-5MHz-16QAM-132647-1RB#0-Range1:30~1000MHz



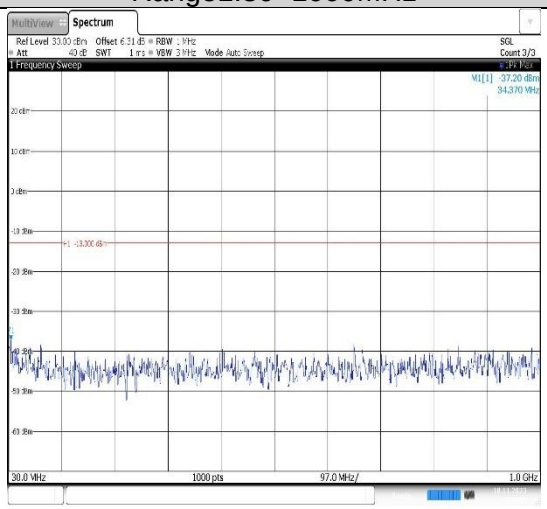
Band66-5MHz-16QAM-132647-1RB#0-Range2:1000~20000MHz



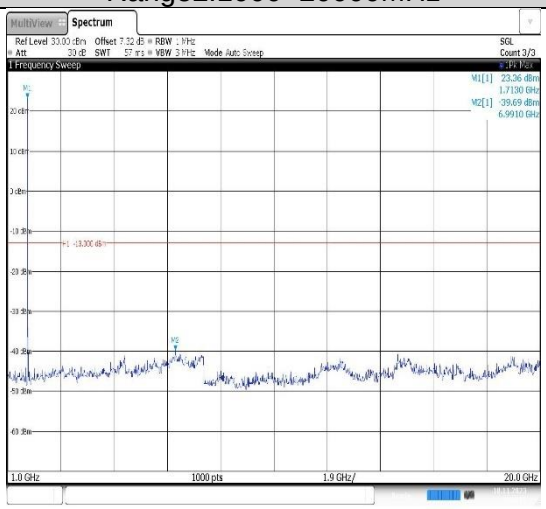
Band66-10MHz-QPSK-132022-1RB#0-Range1:30~1000MHz



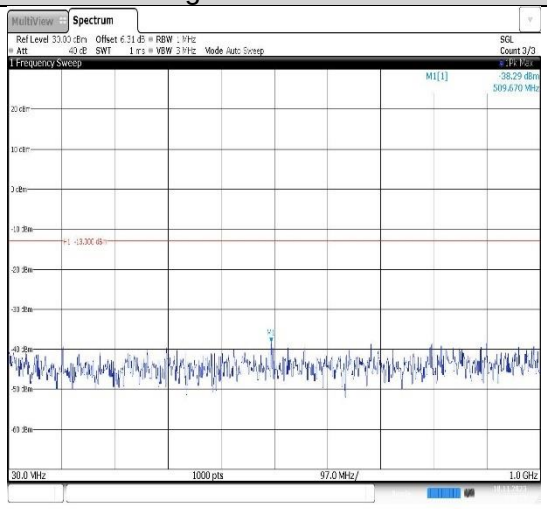
Band66-10MHz-QPSK-132022-1RB#0-Range2:1000~20000MHz



Band66-10MHz-QPSK-132322-1RB#0-Range1:30~1000MHz

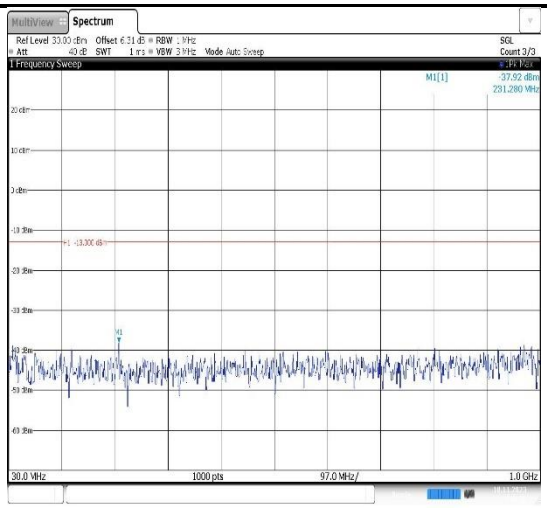


Band66-10MHz-QPSK-132322-1RB#0-Range2:1000~20000MHz



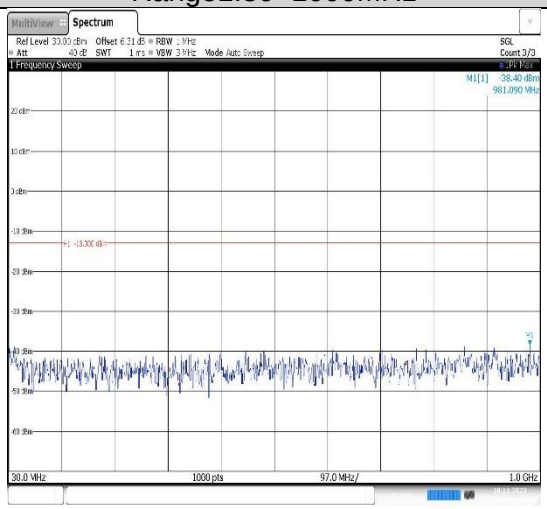
Band66-10MHz-QPSK-132622-1RB#0-Range1:30~1000MHz

Band66-10MHz-QPSK-132622-1RB#0-Range2:1000~20000MHz

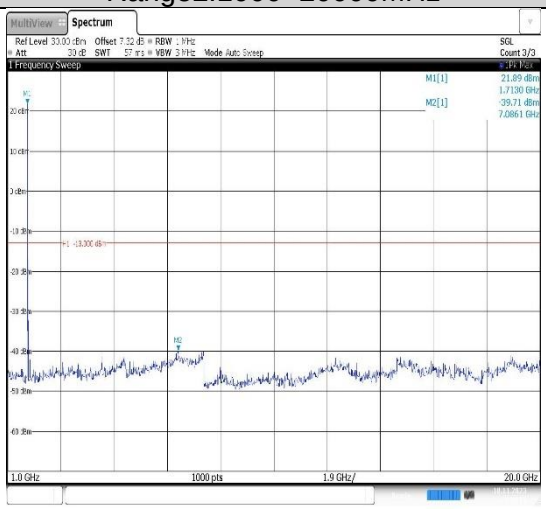


Band66-15MHz-QPSK-132047-1RB#0-Range1:30~1000MHz

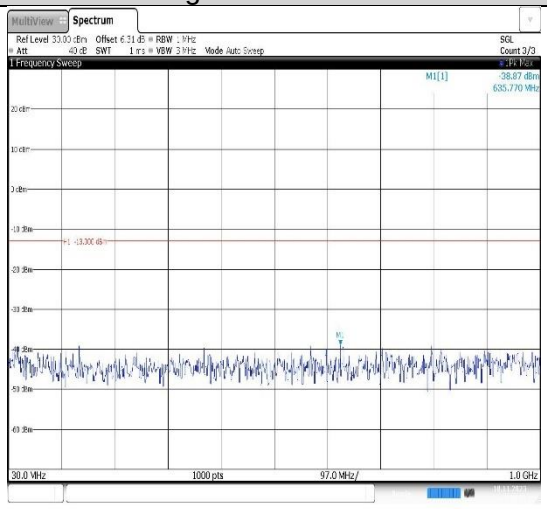
Band66-15MHz-QPSK-132047-1RB#0-Range2:1000~20000MHz



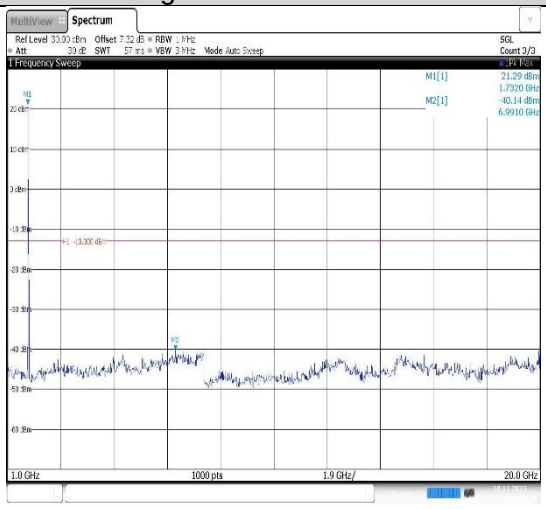
Band66-15MHz-QPSK-132322-1RB#0-Range1:30~1000MHz



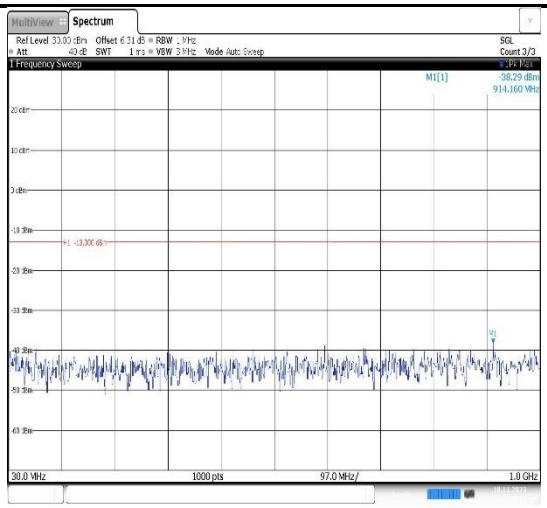
Band66-15MHz-QPSK-132322-1RB#0-Range2:1000~20000MHz



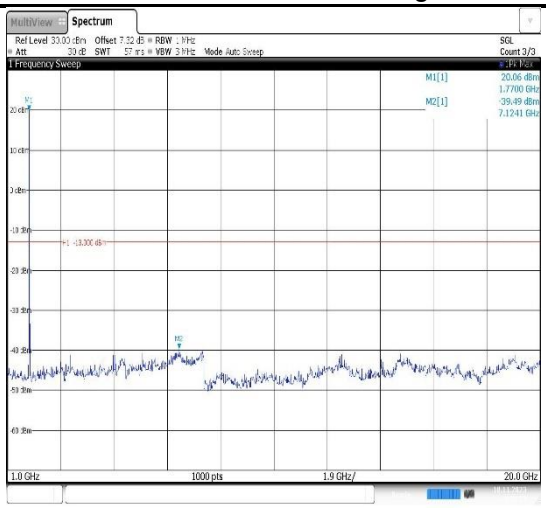
Band66-15MHz-QPSK-132597-1RB#0-Range1:30~1000MHz



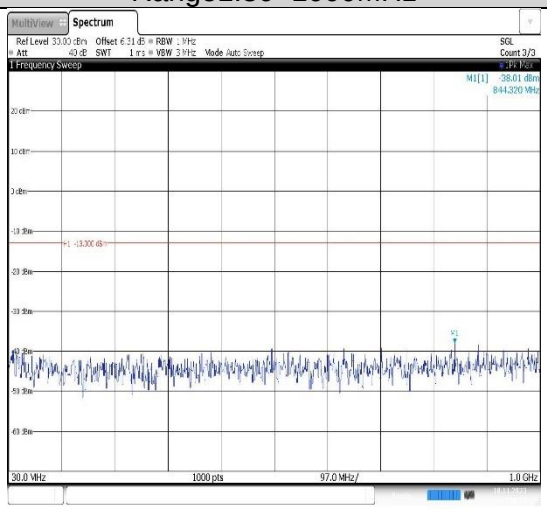
Band66-15MHz-QPSK-132597-1RB#0-Range2:1000~20000MHz



Band66-20MHz-QPSK-132072-1RB#0-Range1:30~1000MHz

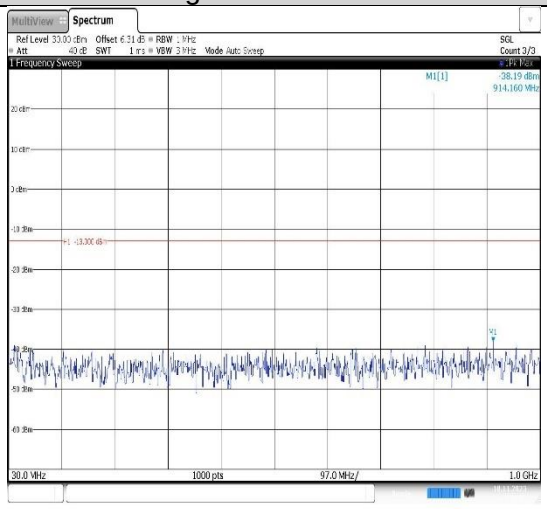


Band66-20MHz-QPSK-132072-1RB#0-Range2:1000~20000MHz

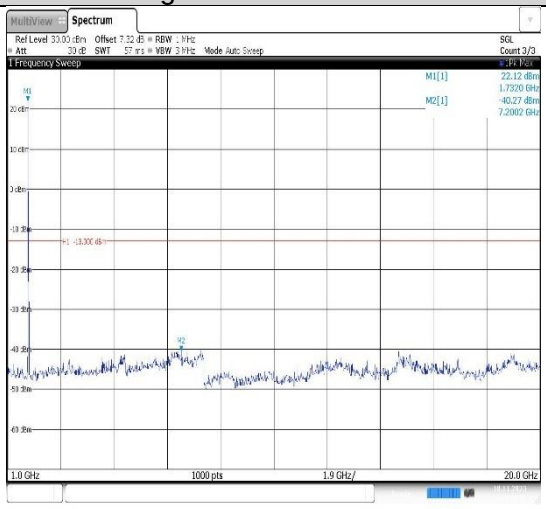


Band66-20MHz-QPSK-132322-1RB#0-Range1:30~1000MHz

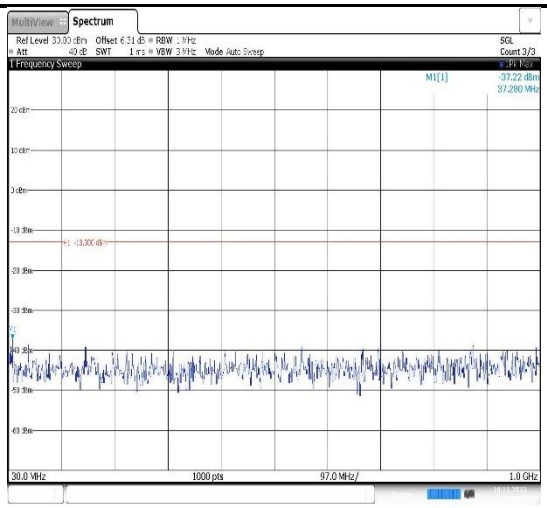
Band66-20MHz-QPSK-132322-1RB#0-Range2:1000~20000MHz

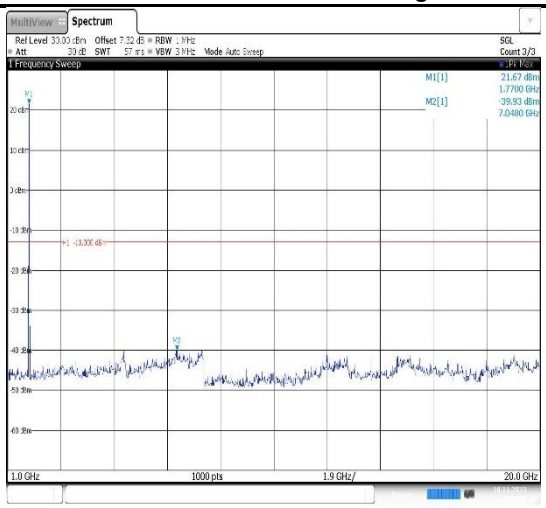


Band66-20MHz-QPSK-132572-1RB#0-Range1:30~1000MHz



Band66-20MHz-QPSK-132572-1RB#0-Range2:1000~20000MHz





8.6. Appendix F: Frequency Stability

8.6.1. Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	1.4MHz	QPSK	18900	6RB#0	VL	NT	-7.58	-0.004032	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	VN	NT	-3.15	-0.001676	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	VH	NT	-8.14	-0.004330	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	VL	NT	-6.04	-0.003213	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	VN	NT	-5.49	-0.002920	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	VH	NT	-7.81	-0.004154	±2.5	PASS
Band2	5MHz	QPSK	18900	25RB#0	VL	NT	-7.32	-0.003894	±2.5	PASS
Band2	5MHz	QPSK	18900	25RB#0	VN	NT	-7.32	-0.003894	±2.5	PASS
Band2	5MHz	QPSK	18900	25RB#0	VH	NT	-4.75	-0.002527	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	VL	NT	-5.42	-0.002883	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	VN	NT	-5.49	-0.002920	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	VH	NT	-6.32	-0.003362	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	VL	NT	-8.24	-0.004383	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	VN	NT	-7.27	-0.003867	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	VH	NT	-7.65	-0.004069	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-6.21	-0.003303	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-5.76	-0.003064	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-6.34	-0.003372	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VL	NT	4.02	0.002320	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VN	NT	-2.45	-0.001414	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VH	NT	2.90	0.001674	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VL	NT	3.56	0.002055	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VN	NT	3.78	0.002182	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VH	NT	-1.63	-0.000941	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VL	NT	2.83	0.001633	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VN	NT	-3.00	-0.001732	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VH	NT	-3.86	-0.002228	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VL	NT	4.23	0.002442	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VN	NT	-4.79	-0.002765	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VH	NT	-6.58	-0.003798	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VL	NT	-3.13	-0.001807	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VN	NT	-1.90	-0.001097	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VH	NT	3.12	0.001801	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	3.16	0.001824	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	3.20	0.001847	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	4.58	0.002644	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VL	NT	-3.73	-0.004459	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VN	NT	-2.47	-0.002953	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	VH	NT	-3.30	-0.003945	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VL	NT	2.27	0.002714	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VN	NT	1.66	0.001984	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	VH	NT	-3.26	-0.003897	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VL	NT	-2.47	-0.002953	±2.5	PASS

Band5	5MHz	QPSK	20525	25RB#0	VN	NT	2.22	0.002654	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	VH	NT	2.79	0.003335	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-3.56	-0.004256	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-2.80	-0.003347	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-3.39	-0.004053	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VL	NT	-2.55	-0.003604	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VN	NT	-1.34	-0.001894	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VH	NT	-2.96	-0.004184	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VL	NT	-2.86	-0.004042	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VN	NT	-3.16	-0.004466	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VH	NT	-2.02	-0.002855	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VL	NT	-1.95	-0.002756	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VN	NT	-1.46	-0.002064	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VH	NT	-2.00	-0.002827	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-2.57	-0.003633	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-2.25	-0.003180	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-1.89	-0.002671	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VL	NT	-1.87	-0.002391	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VN	NT	-2.65	-0.003389	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VH	NT	-1.65	-0.002110	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	-1.80	-0.002302	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	-3.88	-0.004962	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	-2.98	-0.003811	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VL	NT	1.96	0.002761	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VN	NT	1.96	0.002761	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	VH	NT	-2.83	-0.003986	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-2.07	-0.002915	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	-2.05	-0.002887	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-2.78	-0.003915	±2.5	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	VL	NT	-5.85	-0.003352	±2.5	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	VN	NT	-3.48	-0.001994	±2.5	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	VH	NT	-5.49	-0.003146	±2.5	PASS
Band66	3MHz	QPSK	132322	15RB#0	VL	NT	-4.71	-0.002699	±2.5	PASS
Band66	3MHz	QPSK	132322	15RB#0	VN	NT	-6.47	-0.003708	±2.5	PASS
Band66	3MHz	QPSK	132322	15RB#0	VH	NT	-7.02	-0.004023	±2.5	PASS
Band66	5MHz	QPSK	132322	25RB#0	VL	NT	-4.31	-0.002470	±2.5	PASS
Band66	5MHz	QPSK	132322	25RB#0	VN	NT	-4.25	-0.002436	±2.5	PASS
Band66	5MHz	QPSK	132322	25RB#0	VH	NT	-4.11	-0.002355	±2.5	PASS
Band66	10MHz	QPSK	132322	50RB#0	VL	NT	-6.11	-0.003501	±2.5	PASS
Band66	10MHz	QPSK	132322	50RB#0	VN	NT	-5.58	-0.003198	±2.5	PASS
Band66	10MHz	QPSK	132322	50RB#0	VH	NT	-7.17	-0.004109	±2.5	PASS
Band66	15MHz	QPSK	132322	75RB#0	VL	NT	-5.45	-0.003123	±2.5	PASS
Band66	15MHz	QPSK	132322	75RB#0	VN	NT	-7.55	-0.004327	±2.5	PASS
Band66	15MHz	QPSK	132322	75RB#0	VH	NT	-5.18	-0.002968	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VL	NT	-7.47	-0.004281	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VN	NT	-7.27	-0.004166	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	VH	NT	-4.11	-0.002355	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	1.4MHz	QPSK	18900	6RB#0	NV	-30	-7.52	-0.004000	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	NV	-20	-8.00	-0.004255	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	NV	-10	-5.85	-0.003112	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	NV	0	-6.17	-0.003282	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	NV	10	-5.42	-0.002883	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	NV	20	-7.08	-0.003766	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	NV	30	-6.44	-0.003426	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	NV	40	-4.89	-0.002601	±2.5	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	NV	50	-8.13	-0.004324	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	NV	-30	-5.75	-0.003059	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	NV	-20	-5.19	-0.002761	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	NV	-10	-8.31	-0.004420	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	NV	0	-4.81	-0.002559	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	NV	10	-7.01	-0.003729	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	NV	20	-8.31	-0.004420	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	NV	30	-6.37	-0.003388	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	NV	40	-7.15	-0.003803	±2.5	PASS
Band2	3MHz	QPSK	18900	15RB#0	NV	50	-7.45	-0.003963	±2.5	PASS
Band2	5MHz	QPSK	18900	25RB#0	NV	-30	-6.57	-0.003495	±2.5	PASS
Band2	5MHz	QPSK	18900	25RB#0	NV	-20	-4.71	-0.002505	±2.5	PASS
Band2	5MHz	QPSK	18900	25RB#0	NV	-10	-4.23	-0.002250	±2.5	PASS
Band2	5MHz	QPSK	18900	25RB#0	NV	0	-7.08	-0.003766	±2.5	PASS
Band2	5MHz	QPSK	18900	25RB#0	NV	10	-4.25	-0.002261	±2.5	PASS
Band2	5MHz	QPSK	18900	25RB#0	NV	20	-3.50	-0.001862	±2.5	PASS
Band2	5MHz	QPSK	18900	25RB#0	NV	30	-7.30	-0.003883	±2.5	PASS
Band2	5MHz	QPSK	18900	25RB#0	NV	40	-7.55	-0.004016	±2.5	PASS
Band2	5MHz	QPSK	18900	25RB#0	NV	50	-5.98	-0.003181	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	NV	-30	-6.78	-0.003606	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	NV	-20	-7.27	-0.003867	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	NV	-10	-4.81	-0.002559	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	NV	0	-7.15	-0.003803	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	NV	10	-5.79	-0.003080	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	NV	20	-5.19	-0.002761	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	NV	30	-6.82	-0.003628	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	NV	40	-4.19	-0.002229	±2.5	PASS
Band2	10MHz	QPSK	18900	50RB#0	NV	50	-8.73	-0.004644	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	NV	-30	-5.21	-0.002771	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	NV	-20	-6.29	-0.003346	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	NV	-10	-5.91	-0.003144	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	NV	0	-5.46	-0.002904	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	NV	10	-7.12	-0.003787	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	NV	20	-9.83	-0.005229	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	NV	30	-8.87	-0.004718	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	NV	40	-6.58	-0.003500	±2.5	PASS
Band2	15MHz	QPSK	18900	75RB#0	NV	50	-6.29	-0.003346	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-6.65	-0.003537	±2.5	PASS

Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-7.10	-0.003777	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-6.35	-0.003378	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-7.58	-0.004032	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-7.38	-0.003926	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-6.98	-0.003713	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-7.91	-0.004207	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-8.65	-0.004601	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-7.87	-0.004186	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-30	3.22	0.001859	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-20	3.85	0.002222	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-10	3.62	0.002089	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	0	2.90	0.001674	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	10	3.60	0.002078	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	20	3.60	0.002078	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	30	3.19	0.001841	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	40	4.12	0.002378	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	50	3.96	0.002286	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-30	-3.42	-0.001974	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-20	1.92	0.001108	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-10	3.56	0.002055	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	0	-2.83	-0.001633	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	10	-3.89	-0.002245	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	20	-3.42	-0.001974	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	30	-3.28	-0.001893	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	40	3.82	0.002205	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	50	3.15	0.001818	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-30	2.32	0.001339	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-20	4.18	0.002413	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-10	3.81	0.002199	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	0	3.16	0.001824	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	10	4.26	0.002459	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	20	2.72	0.001570	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	30	2.78	0.001605	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	40	4.48	0.002586	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	50	3.50	0.002020	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-30	4.19	0.002418	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-20	-3.30	-0.001905	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-10	2.33	0.001345	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	0	-3.91	-0.002257	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	10	4.75	0.002742	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	20	-3.03	-0.001749	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	30	-2.39	-0.001380	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	40	-3.30	-0.001905	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	50	-5.21	-0.003007	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-30	3.02	0.001743	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-20	-4.46	-0.002574	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-10	2.19	0.001264	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	0	-2.66	-0.001535	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	10	-3.73	-0.002153	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	20	2.42	0.001397	±2.5	PASS

Band4	15MHz	QPSK	20175	75RB#0	NV	30	4.42	0.002551	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	40	-3.91	-0.002257	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	50	-4.28	-0.002470	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	3.93	0.002268	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-3.29	-0.001899	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	2.29	0.001322	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	4.79	0.002765	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-4.26	-0.002459	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-3.02	-0.001743	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	1.92	0.001108	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	-3.16	-0.001824	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	2.72	0.001570	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-30	-3.29	-0.003933	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-20	-3.05	-0.003646	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	-10	1.60	0.001913	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	0	-1.53	-0.001829	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	10	-3.78	-0.004519	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	20	-2.65	-0.003168	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	30	-3.85	-0.004603	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	40	1.86	0.002224	±2.5	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	NV	50	-5.62	-0.006718	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-30	-2.47	-0.002953	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-20	1.85	0.002212	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	-10	-1.63	-0.001949	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	0	1.72	0.002056	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	10	2.40	0.002869	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	20	-1.59	-0.001901	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	30	-2.00	-0.002391	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	40	-2.68	-0.003204	±2.5	PASS
Band5	3MHz	QPSK	20525	15RB#0	NV	50	-1.83	-0.002188	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-30	-1.83	-0.002188	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-20	1.73	0.002068	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	-10	-2.88	-0.003443	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	0	-1.52	-0.001817	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	10	-1.27	-0.001518	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	20	2.09	0.002499	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	30	-2.75	-0.003288	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	40	-2.30	-0.002750	±2.5	PASS
Band5	5MHz	QPSK	20525	25RB#0	NV	50	-3.10	-0.003706	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-1.63	-0.001949	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-2.57	-0.003072	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-3.65	-0.004363	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-1.96	-0.002343	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-1.92	-0.002295	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-1.97	-0.002355	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-2.25	-0.002690	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-2.50	-0.002989	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-2.37	-0.002833	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-30	-2.92	-0.004127	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-20	-2.69	-0.003802	±2.5	PASS

Band12	1.4MHz	QPSK	23095	6RB#0	NV	-10	-3.69	-0.005216	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	0	-2.78	-0.003929	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	10	-3.68	-0.005201	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	20	-2.80	-0.003958	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	30	-1.97	-0.002784	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	40	-2.19	-0.003095	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	50	-2.19	-0.003095	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-30	1.70	0.002403	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-20	-2.46	-0.003477	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-10	-2.27	-0.003208	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	0	-2.86	-0.004042	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	10	-1.66	-0.002346	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	20	-2.70	-0.003816	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	30	-2.93	-0.004141	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	40	2.33	0.003293	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	50	-3.32	-0.004693	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-30	-2.13	-0.003011	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-20	-2.79	-0.003943	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-10	-1.57	-0.002219	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	0	2.07	0.002926	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	10	-3.50	-0.004947	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	20	-1.67	-0.002360	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	30	-1.57	-0.002219	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	40	-2.17	-0.003067	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	50	1.50	0.002120	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-2.80	-0.003958	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-2.95	-0.004170	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-3.48	-0.004919	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-2.43	-0.003435	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-3.68	-0.005201	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-2.69	-0.003802	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-2.88	-0.004071	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-2.59	-0.003661	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-2.12	-0.002996	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-30	1.80	0.002302	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-20	-0.84	-0.001074	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-10	-2.75	-0.003517	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	0	-1.50	-0.001918	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	10	-1.24	-0.001586	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	20	1.97	0.002519	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	30	0.80	0.001023	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	40	-3.91	-0.005000	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	50	-1.85	-0.002366	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	-3.03	-0.003875	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	-2.86	-0.003657	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	-2.27	-0.002903	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	-4.18	-0.005345	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	-2.40	-0.003069	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	-2.90	-0.003708	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	-1.29	-0.001650	±2.5	PASS

Band13	10MHz	QPSK	23230	50RB#0	NV	40	-3.71	-0.004744	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	-2.55	-0.003261	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-30	1.92	0.002704	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-20	1.86	0.002620	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	-10	1.49	0.002099	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	0	-1.96	-0.002761	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	10	-3.00	-0.004225	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	20	1.70	0.002394	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	30	-1.52	-0.002141	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	40	1.33	0.001873	±2.5	PASS
Band17	5MHz	QPSK	23790	25RB#0	NV	50	2.16	0.003042	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	-1.82	-0.002563	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-1.69	-0.002380	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	-2.07	-0.002915	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	-2.12	-0.002986	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-1.92	-0.002704	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-2.02	-0.002845	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	-3.22	-0.004535	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	-2.46	-0.003465	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	-1.86	-0.002620	±2.5	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	NV	-30	-5.29	-0.003032	±2.5	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	NV	-20	-6.94	-0.003977	±2.5	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	NV	-10	-5.65	-0.003238	±2.5	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	NV	0	-7.01	-0.004017	±2.5	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	NV	10	-4.33	-0.002481	±2.5	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	NV	20	-5.78	-0.003312	±2.5	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	NV	30	-4.25	-0.002436	±2.5	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	NV	40	-5.59	-0.003203	±2.5	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	NV	50	-4.84	-0.002774	±2.5	PASS
Band66	3MHz	QPSK	132322	15RB#0	NV	-30	-4.89	-0.002802	±2.5	PASS
Band66	3MHz	QPSK	132322	15RB#0	NV	-20	-5.65	-0.003238	±2.5	PASS
Band66	3MHz	QPSK	132322	15RB#0	NV	-10	-6.29	-0.003605	±2.5	PASS
Band66	3MHz	QPSK	132322	15RB#0	NV	0	-4.66	-0.002670	±2.5	PASS
Band66	3MHz	QPSK	132322	15RB#0	NV	10	-5.34	-0.003060	±2.5	PASS
Band66	3MHz	QPSK	132322	15RB#0	NV	20	-5.48	-0.003140	±2.5	PASS
Band66	3MHz	QPSK	132322	15RB#0	NV	30	-7.10	-0.004069	±2.5	PASS
Band66	3MHz	QPSK	132322	15RB#0	NV	40	-5.94	-0.003404	±2.5	PASS
Band66	3MHz	QPSK	132322	15RB#0	NV	50	-6.48	-0.003713	±2.5	PASS
Band66	5MHz	QPSK	132322	25RB#0	NV	-30	-3.86	-0.002212	±2.5	PASS
Band66	5MHz	QPSK	132322	25RB#0	NV	-20	-5.92	-0.003393	±2.5	PASS
Band66	5MHz	QPSK	132322	25RB#0	NV	-10	-3.50	-0.002006	±2.5	PASS
Band66	5MHz	QPSK	132322	25RB#0	NV	0	-6.42	-0.003679	±2.5	PASS
Band66	5MHz	QPSK	132322	25RB#0	NV	10	-4.82	-0.002762	±2.5	PASS
Band66	5MHz	QPSK	132322	25RB#0	NV	20	-7.04	-0.004034	±2.5	PASS
Band66	5MHz	QPSK	132322	25RB#0	NV	30	-5.38	-0.003083	±2.5	PASS
Band66	5MHz	QPSK	132322	25RB#0	NV	40	-5.14	-0.002946	±2.5	PASS
Band66	5MHz	QPSK	132322	25RB#0	NV	50	-3.93	-0.002252	±2.5	PASS
Band66	10MHz	QPSK	132322	50RB#0	NV	-30	-8.87	-0.005083	±2.5	PASS
Band66	10MHz	QPSK	132322	50RB#0	NV	-20	-6.75	-0.003868	±2.5	PASS
Band66	10MHz	QPSK	132322	50RB#0	NV	-10	-6.44	-0.003691	±2.5	PASS

Band66	10MHz	QPSK	132322	50RB#0	NV	0	-6.51	-0.003731	±2.5	PASS
Band66	10MHz	QPSK	132322	50RB#0	NV	10	-5.91	-0.003387	±2.5	PASS
Band66	10MHz	QPSK	132322	50RB#0	NV	20	-5.71	-0.003272	±2.5	PASS
Band66	10MHz	QPSK	132322	50RB#0	NV	30	-6.49	-0.003719	±2.5	PASS
Band66	10MHz	QPSK	132322	50RB#0	NV	40	-5.64	-0.003232	±2.5	PASS
Band66	10MHz	QPSK	132322	50RB#0	NV	50	-4.75	-0.002722	±2.5	PASS
Band66	15MHz	QPSK	132322	75RB#0	NV	-30	-7.84	-0.004493	±2.5	PASS
Band66	15MHz	QPSK	132322	75RB#0	NV	-20	-5.32	-0.003049	±2.5	PASS
Band66	15MHz	QPSK	132322	75RB#0	NV	-10	-7.31	-0.004189	±2.5	PASS
Band66	15MHz	QPSK	132322	75RB#0	NV	0	-8.35	-0.004785	±2.5	PASS
Band66	15MHz	QPSK	132322	75RB#0	NV	10	-7.04	-0.004034	±2.5	PASS
Band66	15MHz	QPSK	132322	75RB#0	NV	20	-4.55	-0.002607	±2.5	PASS
Band66	15MHz	QPSK	132322	75RB#0	NV	30	-6.75	-0.003868	±2.5	PASS
Band66	15MHz	QPSK	132322	75RB#0	NV	40	-3.16	-0.001811	±2.5	PASS
Band66	15MHz	QPSK	132322	75RB#0	NV	50	-5.06	-0.002900	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-30	-7.10	-0.004069	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-20	-4.72	-0.002705	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	-10	-5.64	-0.003232	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	0	-5.06	-0.002900	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	10	-6.04	-0.003461	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	20	-5.06	-0.002900	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	30	-4.84	-0.002774	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	40	-7.35	-0.004212	±2.5	PASS
Band66	20MHz	QPSK	132322	100RB#0	NV	50	-7.80	-0.004470	±2.5	PASS

Note 1: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

9. RADIATED SPURIOUS EMISSIONS

RULE PART(S)

FCC: §2.1053, §22.917, §24.238, §27.53
RSS-130, RSS-132, RSS-133, RSS-139

LIMIT

LTE Band 2

* FCC § 24.238. RSS-133 Clause 6.5:
The power of emissions shall be attenuated below the transmitter power (P) by a factor of at least 43 + 10 log (P) dB. P in watts.

Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater.

LTE Band 5

* FCC §2.1051 and §22.917: The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

* RSS-132. 5.5: Mobile and base station equipment shall comply with the limits in (i) and (ii) below.
i. In the first 1.0 MHz band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1% of the occupied bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least 43 + 10 log10 P (watts).
ii. After the first 1.0 MHz immediately outside and adjacent to each of the sub-bands, the power of emissions in any 100 kHz bandwidth shall be attenuated (in dB) below the transmitter output power P (dBW) by at least 43 + 10 log10 P (watts). If the measurement is performed using 1% of the occupied bandwidth, power integration over 100 kHz is required.

LTE Band 12, Band 17.

* FCC §27.53 (g):
(g) For operations in the 600 MHz band and the 698–746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

* RSS-130, 4.7:

4.7.1 General unwanted emissions limits:

The unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dBW), by at least 43 + 10 log10 p (watts), dB. However, in the 100 kHz band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 kHz may be employed.

4.7.2 Additional unwanted emissions limits:

In addition to the limit outlined in section 4.7.1 above, equipment operating in the frequency bands 746-756 MHz and 777-787 MHz shall also comply with the following restrictions:

a. the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least:
i. 76 + 10 log10 p (watts), dB, for base and fixed equipment and
ii. 65 + 10 log10 p (watts), dB, for mobile and portable equipment
b. the e.i.r.p. in the band 1559-1610 MHz shall not exceed −70 dBW/MHz for wideband signal and −80 dBW for discrete emission with bandwidth less than 700 Hz.

LTE Band 13.

* FCC §27.53 (c) & (f):

(c) For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(1) On any frequency outside the 746–758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;

(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;

(3) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than 76 + 10 log
(P) dB in a 6.25 kHz band segment, for base and fixed stations;

(4) On all frequencies between 763–775 MHz and 793–805 MHz, by a factor not less than 65 + 10 log
(P) dB in a 6.25 kHz band segment, for mobile and portable stations;

(5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;

(6) Compliance with the provisions of 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.

(f) For operations in the 746–758 MHz, 775–788 MHz, and 805–806 MHz bands, emissions in the band 1559–1610 MHz shall be limited to −70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and −80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

* RSS-130, 4.7:

4.7.1 General unwanted emissions limits:

The unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dBW), by at least 43 + 10 log10 p (watts), dB. However, in the 100 kHz band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 kHz may be employed.

4.7.2 Additional unwanted emissions limits:

In addition to the limit outlined in section 4.7.1 above, equipment operating in the frequency bands 746-756 MHz and 777-787 MHz shall also comply with the following restrictions:

a. the power of any unwanted emissions in any 6.25 kHz bandwidth for all frequencies between 763-775 MHz and 793-806 MHz shall be attenuated below the transmitter power, P (dBW), by at least:
i. 76 + 10 log10 p (watts), dB, for base and fixed equipment and
ii. 65 + 10 log10 p (watts), dB, for mobile and portable equipment
b. the e.i.r.p. in the band 1559-1610 MHz shall not exceed −70 dBW/MHz for wideband signal and −80 dBW for discrete emission with bandwidth less than 700 Hz.

LTE Band 66, Band 4.

* FCC §27.53 (h):

AWS emission limits:

(1) General protection levels. Except as otherwise specified below, for operations in the 1695–1710 MHz, 1710–1755 MHz, 1755–1780 MHz, 1915–1920 MHz, 1995–2000 MHz, 2000–2020 MHz, 2110–2155 MHz,
2155–2180 MHz, and 2180–2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 log10 (P) dB.

(3) Measurement procedure.

(i) Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center
frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

(ii) When measuring the emission limits, the nominal carrier frequency shall be adjusted as close to the licensee's frequency block edges, both upper and lower, as the design permits.

(iii) The measurements of emission power can be expressed in peak or average values, provided they are expressed in the same parameters as the transmitter power.

* RSS-139, 5.6:
Unwanted emissions shall be measured in terms of average value.
Equipment shall have the TRP or conducted power (all antenna connectors), of unwanted emissions outside the frequency block or frequency block group not exceeding the limits shown in the next table:

Offset from the edge of the frequency block or frequency block group	Unwanted emission limits
≤1 MHz	-13 dBm/(1% of OB)
>1 MHz	-13 dBm/MHz

Where OB is the occupied bandwidth.

TEST PROCEDURE

According to the C 63.26-2015 section 5.5.2.2.3

Below 1GHz test procedure as below:

The setting of the spectrum analyzer

RBW	120 kHz
VBW	300 kHz
Sweep	Auto
Detector	Peak
Trace	Max hold

For radiated emissions measurements performed at frequencies less than or equal to 1 GHz, the EUT shall be placed on a RF-transparent table or support at a nominal height of 80 cm above the reference ground plane. Radiated measurements shall be made with the measurement antenna positioned in both horizontal and vertical polarization. The measurement antenna shall be varied from 1 m to 4 m in height above the reference ground in a search for the relative positioning that produces the maximum radiated signal level (i.e., field strength or received power). When orienting the measurement antenna in vertical polarization, the minimum height of the lowest element of the antenna shall clear the site reference ground plane by at least 25 cm.

Above 1GHz test procedure as below:

The setting of the spectrum analyzer

RBW	1 MHz
VBW	3 MHz
Sweep	Auto
Detector	Peak
Trace	Max hold

For radiated measurements performed at frequencies above 1 GHz, the EUT shall be placed on an RF transparent table or support at a nominal height of 1.5 m above the ground plane. Radiated measurements shall be made with the measurement antenna positioned in both horizontal and vertical polarization. The height scan of the measurement antenna shall be varied from 1 m to 4 m in a search for the relative positioning that produces the maximum radiated signal level (i.e., field strength or received power). When using the direct field strength method and the EUT is manipulated through three different orientations, then the scan height range of the measurement antenna is limited to 2.5 m, or 0.5 m above the top of the EUT, whichever is higher.

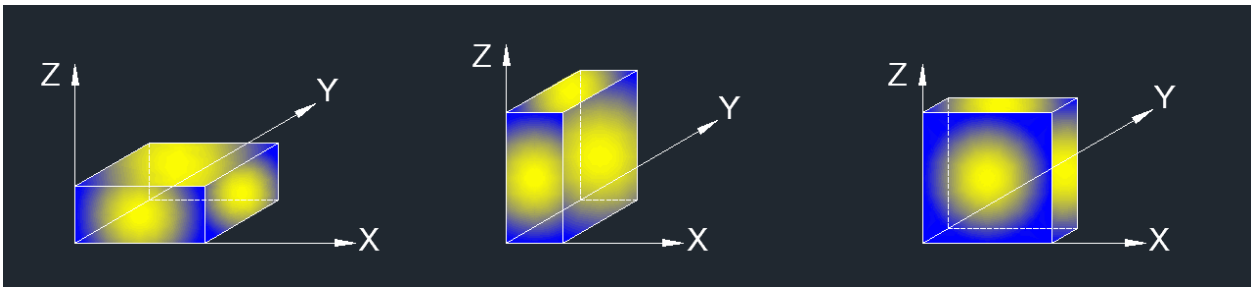
Radiated Power Measurement Calculation According to ANSI C63.26-2015

a) E (dBμV/m) = Measured amplitude level (dBμV) + Cable Loss (dB) + Antenna Factor (dB/m).
b) E (dBμV/m) = Measured amplitude level (dBm) + 107 + Cable Loss (dB) + Antenna Factor (dB/m).
c) E (dBμV/m) = EIRP (dBm) − 20log(D) + 104.8; where D is the measurement distance (in the far field region) in m.
d) EIRP (dBm) = E (dBμV/m) + 20log(D) − 104.8; where D is the measurement distance (in the far field region) in m.
So, from d)
The measuring distance is usually at 3m, then 20*Log(3)=9.5424
Then, EIRP (dBm) = E (dBμV/m) + 9.5424 − 104.8 = E (dBμV/m) – 95.2576

The limit line is derived from 43 + 10log(P)dB below the transmitter power P(Watts)
= P(W)- [43 + 10log(P)] (dB)
= [30 + 10log(P)] (dBm) - [43 + 10log(P)] (dB)
= -13dBm.

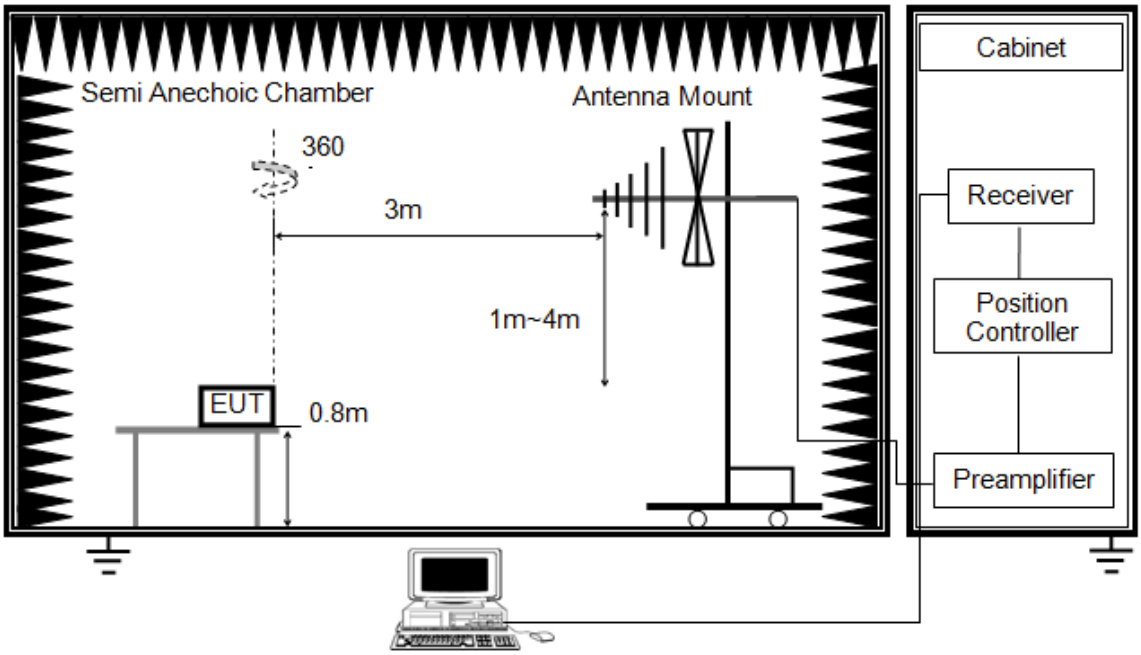
E[dBμV/m] = EIRP[dBm] − 20 log (d[m]) + 104.77,
E[dBμV/m]= 82.25

NOTE 1: Radiated spurious emissions were investigated below 30 MHz, 30 MHz – 1 GHz and above 1 GHz. There were no emissions found on below 30 MHz and 30 MHz – 1 GHz.
Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open are test site.
Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field based on KDB 414788.
NOTE 2: Please refer to section 5 for bandwidth and RB setting about LTE bands.
NOTE 3: All the test modes have been tested, only the worst data record in the report.
Note 4: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.
X axis, Y axis, Z axis positions:

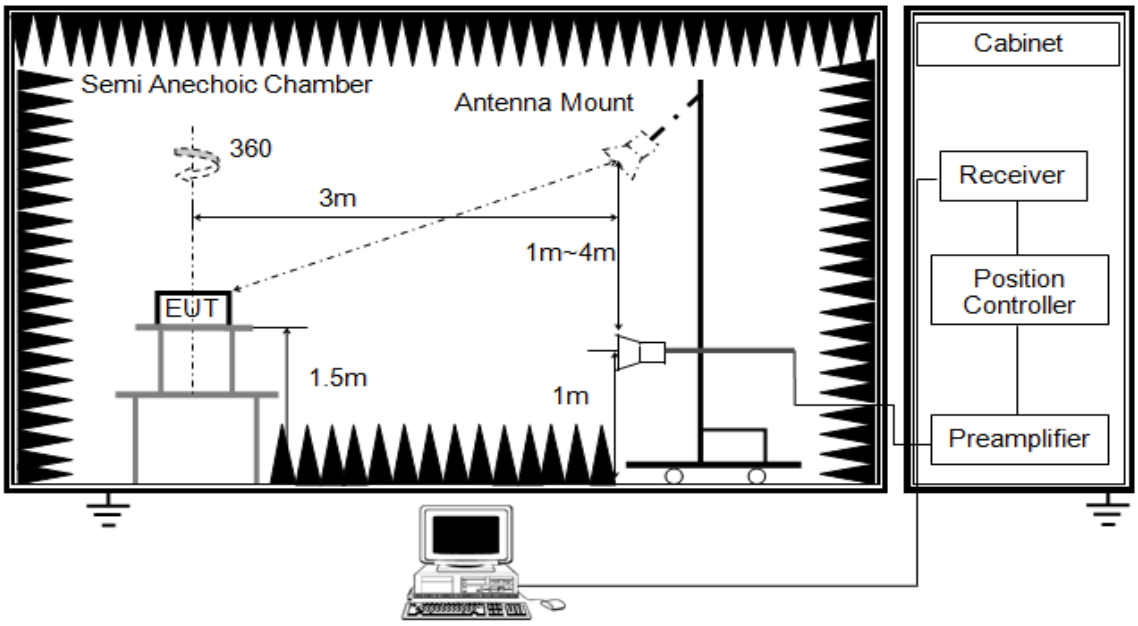


TEST SETUP

Test Setup for Below 1 GHz



Test Setup for Above 1 GHz



TEST ENVIRONMENT

Temperature	22.2°C	Relative Humidity	48.1%
Atmosphere Pressure	101kPa	Test Voltage	DC 5 V

RESULTS

LTE Band 2

QPSK-20 MHz-Low Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3735.000	52.65	-4.41	48.24	82.25	-34.01	peak
2	5490.000	49.05	0.84	49.89	82.25	-32.36	peak
3	6000.000	48.88	2.25	51.13	82.25	-31.12	peak
4	9345.000	44.52	10.63	55.15	82.25	-27.10	peak
5	11910.000	35.58	17.72	53.30	82.25	-28.95	peak
6	13530.000	34.63	20.96	55.59	82.25	-26.66	peak

QPSK-20 MHz-Low Channel-Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	50.51	0.43	50.94	82.25	-31.31	peak
2	6000.000	46.99	2.25	49.24	82.25	-33.01	peak
3	9345.000	46.72	10.63	57.35	82.25	-24.90	peak
4	11895.000	35.85	17.68	53.53	82.25	-28.72	peak
5	13725.000	33.98	21.37	55.35	82.25	-26.90	peak
6	18000.000	29.95	25.69	55.64	82.25	-26.61	peak

QPSK-20 MHz-Mid Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3765.000	56.94	-4.35	52.59	82.25	-29.66	peak
2	5655.000	51.38	1.29	52.67	82.25	-29.58	peak
3	6000.000	48.69	2.25	50.94	82.25	-31.31	peak
4	9450.000	45.90	10.67	56.57	82.25	-25.68	peak
5	13920.000	33.84	21.79	55.63	82.25	-26.62	peak
6	18000.000	29.87	25.69	55.56	82.25	-26.69	peak

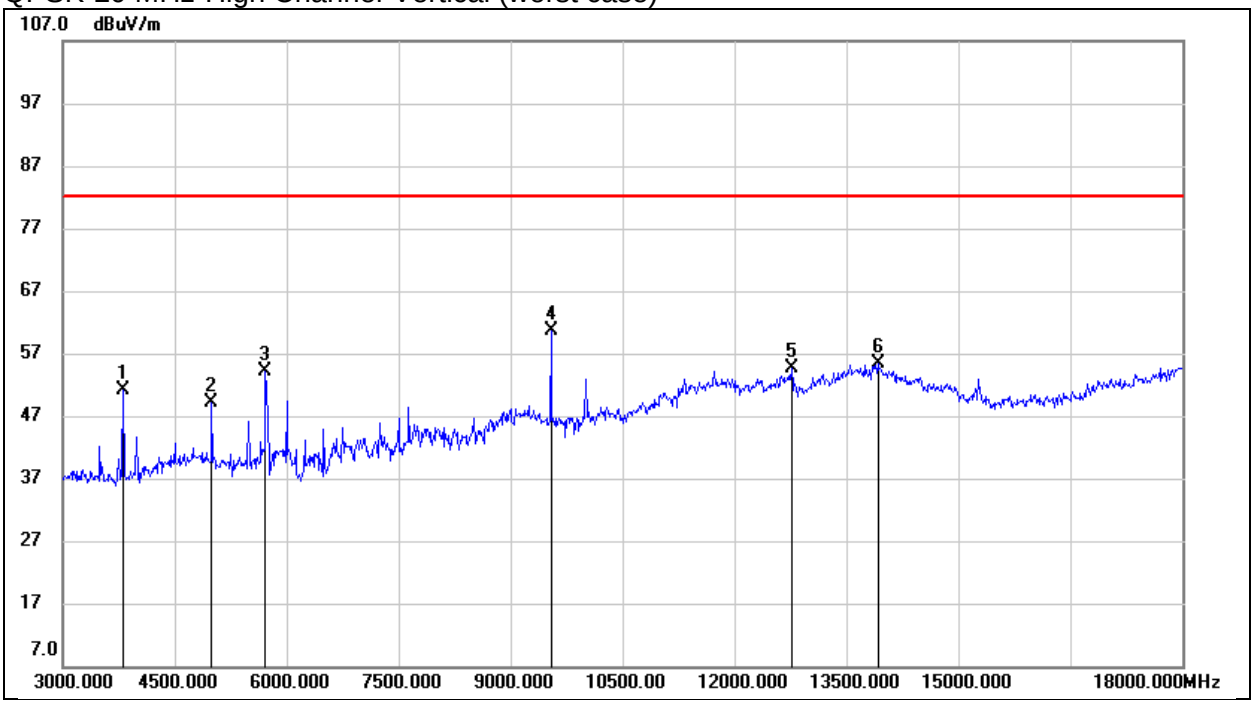
QPSK-20 MHz- Mid Channel-Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3765.000	55.44	-4.35	51.09	82.25	-31.16	peak
2	4995.000	51.66	0.43	52.09	82.25	-30.16	peak
3	5655.000	51.24	1.29	52.53	82.25	-29.72	peak
4	9450.000	48.18	10.67	58.85	82.25	-23.40	peak
5	12660.000	36.44	17.95	54.39	82.25	-27.86	peak
6	13605.000	34.21	21.12	55.33	82.25	-26.92	peak

QPSK-20 MHz-High Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3810.000	57.69	-4.24	53.45	82.25	-28.80	peak
2	5490.000	48.40	0.84	49.24	82.25	-33.01	peak
3	5715.000	54.93	1.46	56.39	82.25	-25.86	peak
4	9540.000	44.61	10.80	55.41	82.25	-26.84	peak
5	10005.000	41.07	12.02	53.09	82.25	-29.16	peak
6	13935.000	33.72	21.82	55.54	82.25	-26.71	peak

QPSK-20 MHz-High Channel-Vertical (worst case)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	3810.000	55.34	-4.24	51.10	82.25	-31.15	peak
2	4995.000	48.69	0.43	49.12	82.25	-33.13	peak
3	5715.000	52.67	1.46	54.13	82.25	-28.12	peak
4	9540.000	49.86	10.80	60.66	82.25	-21.59	peak
5	12765.000	36.45	18.20	54.65	82.25	-27.60	peak
6	13920.000	33.64	21.79	55.43	82.25	-26.82	peak

Note:
1.Limit= -13dBm+95.25=82.25 dBuV/m
2.The low frequency, which started from 9 kHz to 1GHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

LTE Band 4

QPSK-20 MHz-Low Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	46.91	0.43	47.34	82.25	-34.91	peak
2	6000.000	48.40	2.25	50.65	82.25	-31.60	peak
3	8640.000	54.05	7.86	61.91	82.25	-20.34	peak
4	10005.000	40.80	12.02	52.82	82.25	-29.43	peak
5	13620.000	33.97	21.15	55.12	82.25	-27.13	peak
6	17925.000	29.99	25.25	55.24	82.25	-27.01	peak

QPSK-20 MHz-Low Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	50.40	0.43	50.83	82.25	-31.42	peak
2	6000.000	47.28	2.25	49.53	82.25	-32.72	peak
3	8640.000	56.60	7.86	64.46	82.25	-17.79	peak
4	10005.000	40.51	12.02	52.53	82.25	-29.72	peak
5	12705.000	35.74	18.06	53.80	82.25	-28.45	peak
6	13935.000	33.81	21.82	55.63	82.25	-26.62	peak

QPSK-20 MHz-Mid Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5490.000	48.07	0.84	48.91	82.25	-33.34	peak
2	6000.000	47.57	2.25	49.82	82.25	-32.43	peak
3	8700.000	54.22	8.30	62.52	82.25	-19.73	peak
4	11520.000	36.55	16.65	53.20	82.25	-29.05	peak
5	13605.000	34.11	21.12	55.23	82.25	-27.02	peak
6	17910.000	30.41	25.16	55.57	82.25	-26.68	peak

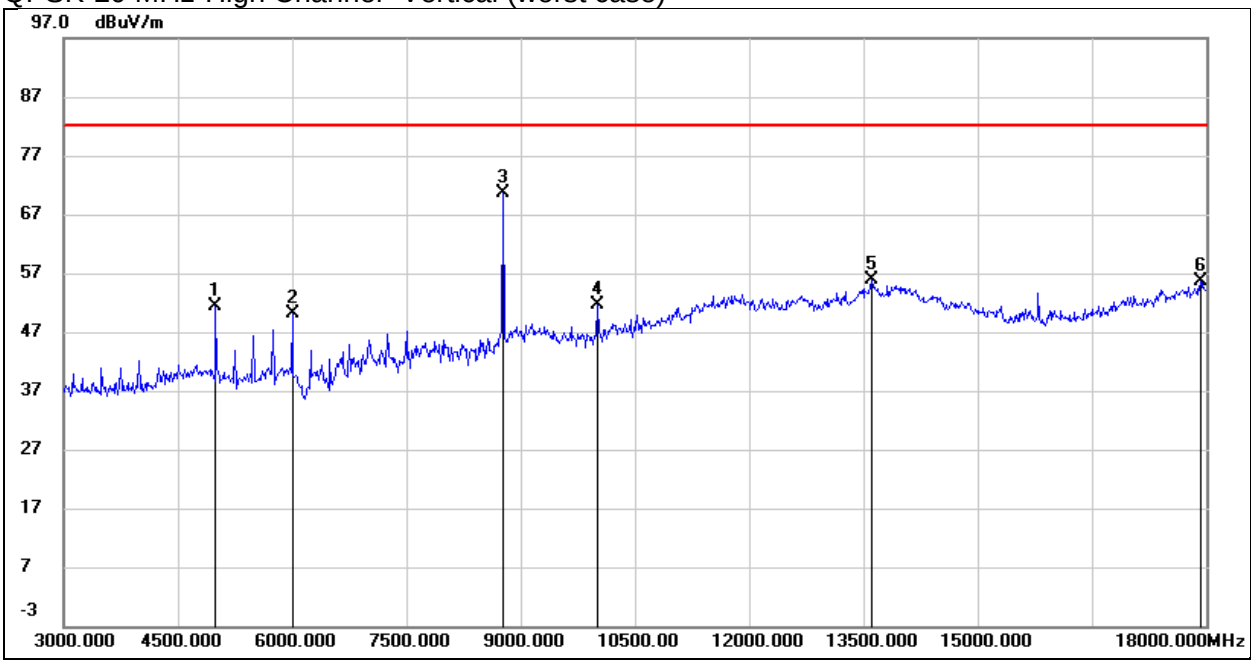
QPSK-20 MHz-Mid Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	50.88	0.43	51.31	82.25	-30.94	peak
2	6000.000	49.15	2.25	51.40	82.25	-30.85	peak
3	8700.000	59.15	8.30	67.45	82.25	-14.80	peak
4	10005.000	41.70	12.02	53.72	82.25	-28.53	peak
5	13980.000	33.84	21.92	55.76	82.25	-26.49	peak
6	17985.000	29.39	25.60	54.99	82.25	-27.26	peak

QPSK-20 MHz-High Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5490.000	48.13	0.84	48.97	82.25	-33.28	peak
2	6000.000	47.65	2.25	49.90	82.25	-32.35	peak
3	8775.000	57.41	8.84	66.25	82.25	-16.00	peak
4	10005.000	40.71	12.02	52.73	82.25	-29.52	peak
5	13845.000	34.31	21.62	55.93	82.25	-26.32	peak
6	18000.000	29.66	25.69	55.35	82.25	-26.90	peak

QPSK-20 MHz-High Channel- Vertical (worst case)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	50.99	0.43	51.42	82.25	-30.83	peak
2	6000.000	47.76	2.25	50.01	82.25	-32.24	peak
3	8775.000	61.72	8.84	70.56	82.25	-11.69	peak
4	10005.000	39.55	12.02	51.57	82.25	-30.68	peak
5	13605.000	34.73	21.12	55.85	82.25	-26.40	peak
6	17925.000	30.27	25.25	55.52	82.25	-26.73	peak

Note:
1.Limit= -13dBm+95.25=82.25 dBuV/m
2.The low frequency, which started from 9 kHz to 1GHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

LTE Band 5

QPSK-10 MHz-Low Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1648.000	58.42	-12.22	46.20	82.25	-36.05	peak
2	3997.000	48.89	-4.49	44.40	82.25	-37.85	peak
3	4996.000	46.01	-0.17	45.84	82.25	-36.41	peak
4	5500.000	49.24	0.42	49.66	82.25	-32.59	peak
5	6004.000	48.53	1.87	50.40	82.25	-31.85	peak
6	10000.000	40.47	11.16	51.63	82.25	-30.62	peak

QPSK-20 MHz-Low Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1747.000	53.29	-11.90	41.39	82.25	-40.86	peak
2	2395.000	53.19	-9.02	44.17	82.25	-38.08	peak
3	4996.000	49.54	-0.17	49.37	82.25	-32.88	peak
4	6004.000	48.29	1.87	50.16	82.25	-32.09	peak
5	7255.000	42.06	5.94	48.00	82.25	-34.25	peak
6	10000.000	40.92	11.16	52.08	82.25	-30.17	peak

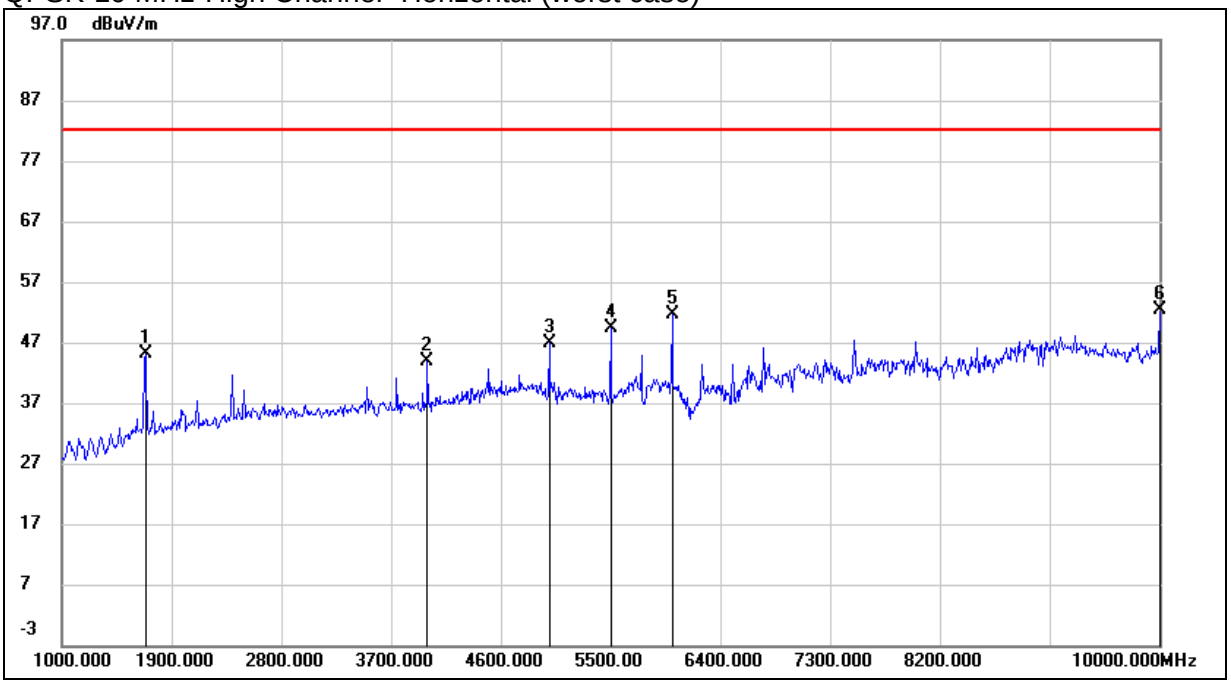
QPSK-10 MHz-Mid Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1666.000	56.25	-12.16	44.09	82.25	-38.16	peak
2	3997.000	48.73	-4.49	44.24	82.25	-38.01	peak
3	4996.000	46.90	-0.17	46.73	82.25	-35.52	peak
4	5500.000	48.63	0.42	49.05	82.25	-33.20	peak
5	6004.000	48.13	1.87	50.00	82.25	-32.25	peak
6	10000.000	41.27	11.16	52.43	82.25	-29.82	peak

QPSK-10 MHz-Mid Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2395.000	53.68	-9.02	44.66	82.25	-37.59	peak
2	4996.000	50.59	-0.17	50.42	82.25	-31.83	peak
3	6004.000	47.44	1.87	49.31	82.25	-32.94	peak
4	7255.000	42.49	5.94	48.43	82.25	-33.82	peak
5	9253.000	38.58	9.83	48.41	82.25	-33.84	peak
6	10000.000	40.68	11.16	51.84	82.25	-30.41	peak

QPSK-10 MHz-High Channel- Horizontal (worst case)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1684.000	57.12	-12.10	45.02	82.25	-37.23	peak
2	3997.000	48.43	-4.49	43.94	82.25	-38.31	peak
3	4996.000	46.99	-0.17	46.82	82.25	-35.43	peak
4	5500.000	48.95	0.42	49.37	82.25	-32.88	peak
5	6004.000	49.65	1.87	51.52	82.25	-30.73	peak
6	10000.000	41.20	11.16	52.36	82.25	-29.89	peak

Note:
1.Limit= -13dBm+95.25=82.25 dBuV/m
2.The low frequency, which started from 9 kHz to 1GHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

QPSK-10 MHz-High Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1747.000	52.45	-11.90	40.55	82.25	-41.70	peak
2	2395.000	54.07	-9.02	45.05	82.25	-37.20	peak
3	4996.000	50.57	-0.17	50.40	82.25	-31.85	peak
4	5752.000	45.94	1.14	47.08	82.25	-35.17	peak
5	6004.000	47.84	1.87	49.71	82.25	-32.54	peak
6	10000.000	40.79	11.16	51.95	82.25	-30.30	peak

Note: Limit= -13dBm+95.2=82.2dBuV/m

LTE Band 12

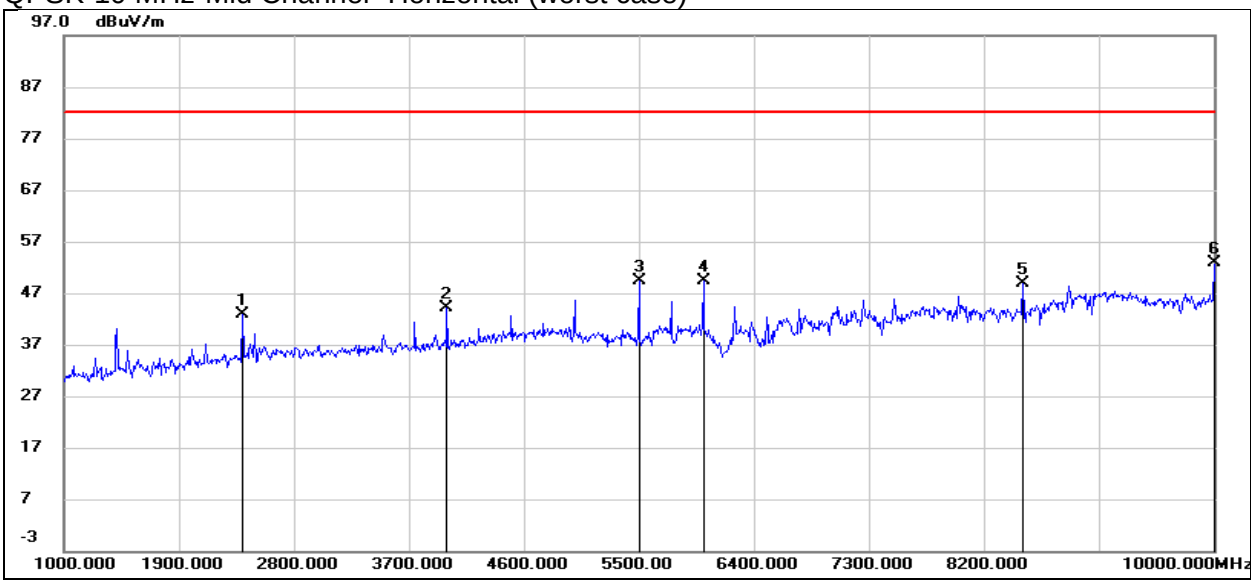
QPSK-10 MHz-Low Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1405.000	53.23	-13.15	40.08	82.25	-42.17	peak
2	2395.000	50.52	-9.02	41.50	82.25	-40.75	peak
3	4996.000	48.55	-0.17	48.38	82.25	-33.87	peak
4	5500.000	48.71	0.42	49.13	82.25	-33.12	peak
5	6004.000	48.61	1.87	50.48	82.25	-31.77	peak
6	10000.000	41.18	11.16	52.34	82.25	-29.91	peak

QPSK-10 MHz-Low Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1495.000	53.97	-12.74	41.23	82.25	-41.02	peak
2	2395.000	54.47	-9.02	45.45	82.25	-36.80	peak
3	4996.000	51.01	-0.17	50.84	82.25	-31.41	peak
4	6004.000	47.80	1.87	49.67	82.25	-32.58	peak
5	7255.000	41.83	5.94	47.77	82.25	-34.48	peak
6	10000.000	40.95	11.16	52.11	82.25	-30.14	peak

QPSK-10 MHz-Mid Channel- Horizontal (worst case)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2395.000	51.91	-9.02	42.89	82.25	-39.36	peak
2	3997.000	48.74	-4.49	44.25	82.25	-38.00	peak
3	5500.000	49.07	0.42	49.49	82.25	-32.76	peak
4	6004.000	47.55	1.87	49.42	82.25	-32.83	peak
5	8506.000	42.51	6.28	48.79	82.25	-33.46	peak
6	10000.000	41.79	11.16	52.95	82.25	-29.30	peak

Note:
1.Limit= -13dBm+95.25=82.25 dBuV/m
2.The low frequency, which started from 9 kHz to 1GHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

QPSK-10 MHz-Mid Channel- Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1495.000	53.52	-12.74	40.78	82.25	-41.47	peak
2	2395.000	54.48	-9.02	45.46	82.25	-36.79	peak
3	4996.000	50.17	-0.17	50.00	82.25	-32.25	peak
4	6004.000	47.04	1.87	48.91	82.25	-33.34	peak
5	7255.000	41.71	5.94	47.65	82.25	-34.60	peak
6	10000.000	40.64	11.16	51.80	82.25	-30.45	peak

QPSK-10 MHz-High Channel- Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1981.000	57.92	-11.13	46.79	82.25	-35.46	peak
2	4996.000	46.95	-0.17	46.78	82.25	-35.47	peak
3	5500.000	48.48	0.42	48.90	82.25	-33.35	peak
4	6004.000	49.40	1.87	51.27	82.25	-30.98	peak
5	6751.000	43.74	4.96	48.70	82.25	-33.55	peak
6	10000.000	40.84	11.16	52.00	82.25	-30.25	peak

QPSK-10 MHz-High Channel- Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1495.000	53.68	-12.74	40.94	82.25	-41.31	peak
2	2395.000	54.37	-9.02	45.35	82.25	-36.90	peak
3	4996.000	50.54	-0.17	50.37	82.25	-31.88	peak
4	6004.000	47.15	1.87	49.02	82.25	-33.23	peak
5	7255.000	42.33	5.94	48.27	82.25	-33.98	peak
6	10000.000	40.39	11.16	51.55	82.25	-30.70	peak

Note: Limit= -13dBm+95.2=82.2dBuV/m

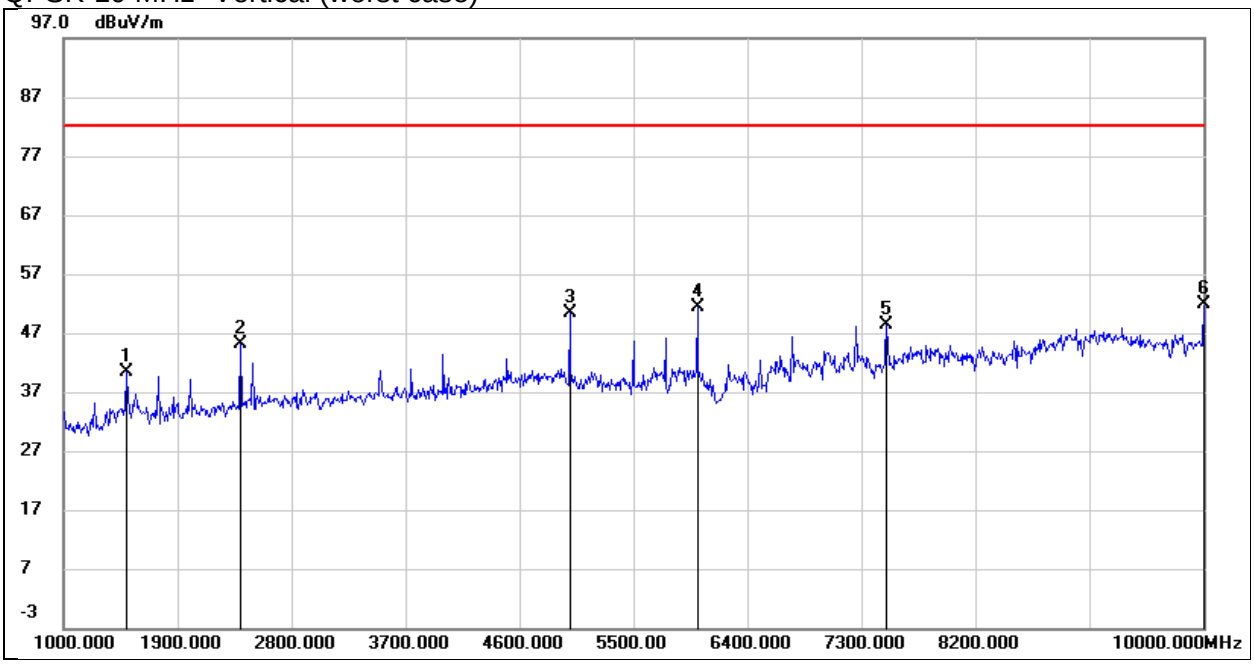
LTE Band 13

In the 1559-1610 MHz frequency, the limit is−80 dBW EIRP for narrowband and all modulation are tested and met requirements.

QPSK-10 MHz- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2395.000	50.62	-9.02	41.60	82.25	-40.65	peak
2	3997.000	48.58	-4.49	44.09	82.25	-38.16	peak
3	4996.000	46.36	-0.17	46.19	82.25	-36.06	peak
4	5500.000	48.40	0.42	48.82	82.25	-33.43	peak
5	6004.000	48.23	1.87	50.10	82.25	-32.15	peak
6	10000.000	40.36	11.16	51.52	82.25	-30.73	peak

QPSK-10 MHz- Vertical (worst case)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1495.000	53.12	-12.74	40.38	82.25	-41.87	peak
2	2395.000	54.21	-9.02	45.19	82.25	-37.06	peak
3	4996.000	50.53	-0.17	50.36	82.25	-31.89	peak
4	6004.000	49.58	1.87	51.45	82.25	-30.80	peak
5	7498.000	42.61	5.69	48.30	82.25	-33.95	peak
6	10000.000	40.79	11.16	51.95	82.25	-30.30	peak

Note:

1.Limit= -13dBm+95.25=82.25 dBuV/m

2.The low frequency, which started from 9 kHz to 1GHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

LTE Band 17

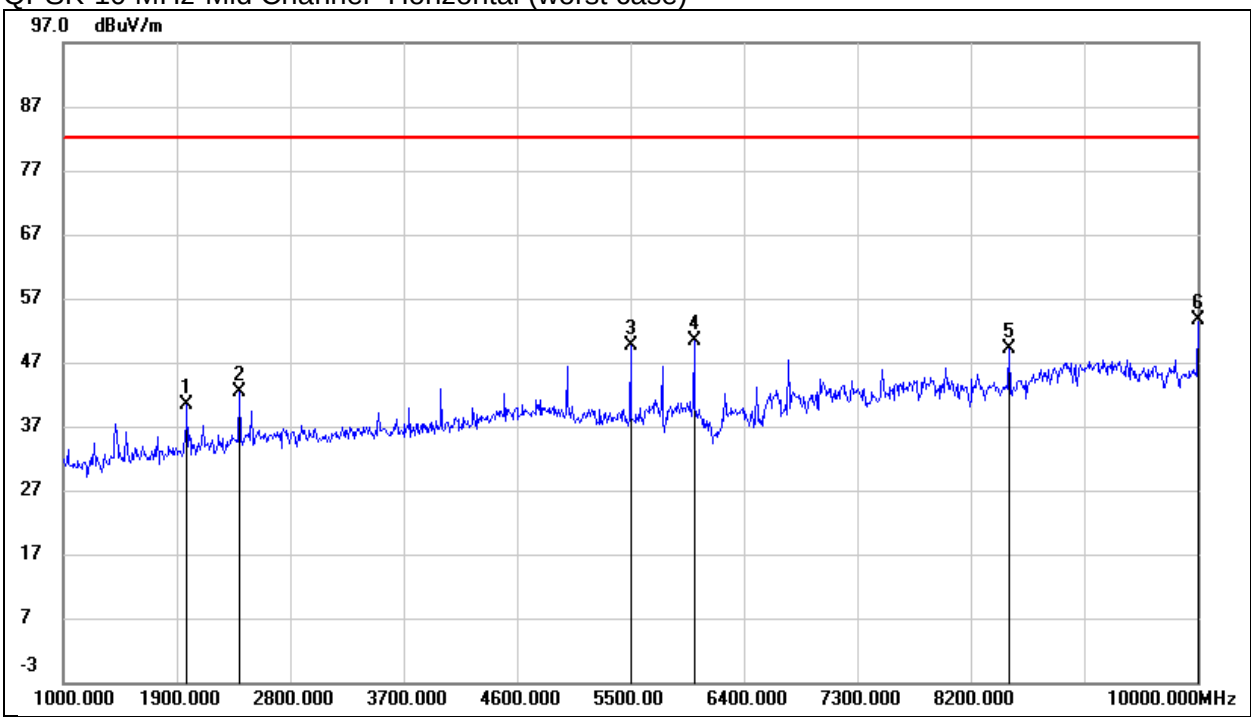
QPSK-10 MHz-Low Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2395.000	50.75	-9.02	41.73	82.25	-40.52	peak
2	4996.000	47.84	-0.17	47.67	82.25	-34.58	peak
3	5500.000	48.39	0.42	48.81	82.25	-33.44	peak
4	6004.000	49.49	1.87	51.36	82.25	-30.89	peak
5	7498.000	41.04	5.69	46.73	82.25	-35.52	peak
6	10000.000	41.00	11.16	52.16	82.25	-30.09	peak

QPSK-10 MHz-Low Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2395.000	54.50	-9.02	45.48	82.25	-36.77	peak
2	4996.000	51.21	-0.17	51.04	82.25	-31.21	peak
3	6004.000	47.65	1.87	49.52	82.25	-32.73	peak
4	7255.000	42.57	5.94	48.51	82.25	-33.74	peak
5	10000.000	40.60	11.16	51.76	82.25	-30.49	peak

QPSK-10 MHz-Mid Channel- Horizontal (worst case)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1981.000	51.47	-11.13	40.34	82.25	-41.91	peak
2	2395.000	51.35	-9.02	42.33	82.25	-39.92	peak
3	5500.000	49.12	0.42	49.54	82.25	-32.71	peak
4	6004.000	48.49	1.87	50.36	82.25	-31.89	peak
5	8506.000	42.81	6.28	49.09	82.25	-33.16	peak
6	10000.000	42.38	11.16	53.54	82.25	-28.71	peak

Note:
1.Limit= -13dBm+95.25=82.25 dBuV/m
2.The low frequency, which started from 9 kHz to 1GHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

QPSK-10 MHz-Mid Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1495.000	52.54	-12.74	39.80	82.25	-42.45	peak
2	2395.000	54.21	-9.02	45.19	82.25	-37.06	peak
3	4996.000	51.22	-0.17	51.05	82.25	-31.20	peak
4	6004.000	47.09	1.87	48.96	82.25	-33.29	peak
5	6751.000	43.01	4.96	47.97	82.25	-34.28	peak
6	10000.000	41.30	11.16	52.46	82.25	-29.79	peak

QPSK-10 MHz-High Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2395.000	50.97	-9.02	41.95	82.25	-40.30	peak
2	3997.000	48.63	-4.49	44.14	82.25	-38.11	peak
3	4996.000	47.56	-0.17	47.39	82.25	-34.86	peak
4	5500.000	48.66	0.42	49.08	82.25	-33.17	peak
5	6004.000	48.77	1.87	50.64	82.25	-31.61	peak
6	6751.000	43.24	4.96	48.20	82.25	-34.05	peak

QPSK-10 MHz-High Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	1495.000	52.10	-12.74	39.36	82.25	-42.89	peak
2	2395.000	53.97	-9.02	44.95	82.25	-37.30	peak
3	4996.000	50.96	-0.17	50.79	82.25	-31.46	peak
4	6004.000	47.56	1.87	49.43	82.25	-32.82	peak
5	7255.000	43.61	5.94	49.55	82.25	-32.70	peak
6	10000.000	40.25	11.16	51.41	82.25	-30.84	peak

Note: Limit= -13dBm+95.2=82.2dBuV/m

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QPSK-10 MHz-Low Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5490.000	48.28	0.84	49.12	82.25	-33.13	peak
2	6000.000	48.24	2.25	50.49	82.25	-31.76	peak
3	8640.000	53.72	7.86	61.58	82.25	-20.67	peak
4	10005.000	41.52	12.02	53.54	82.25	-28.71	peak
5	13530.000	34.53	20.96	55.49	82.25	-26.76	peak
6	18000.000	30.24	25.69	55.93	82.25	-26.32	peak

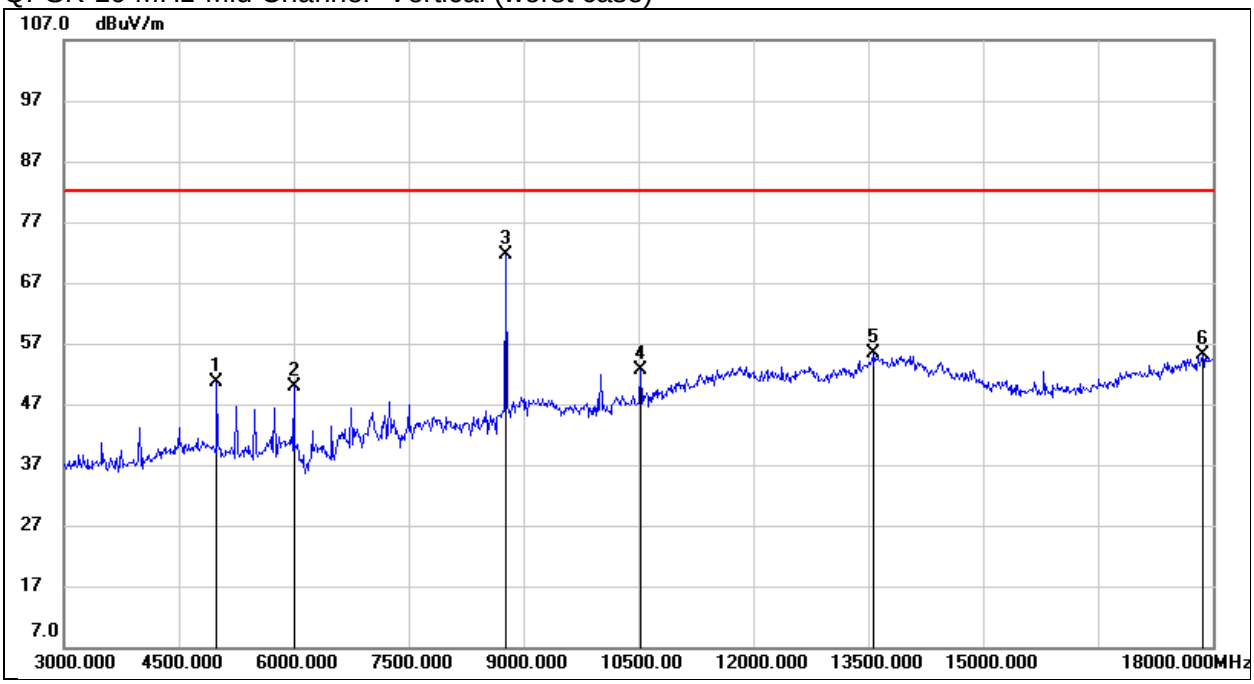
QPSK-10 MHz-Low Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	49.90	0.43	50.33	82.25	-31.92	peak
2	6000.000	47.01	2.25	49.26	82.25	-32.99	peak
3	8640.000	56.63	7.86	64.49	82.25	-17.76	peak
4	10380.000	39.87	12.75	52.62	82.25	-29.63	peak
5	13875.000	33.64	21.70	55.34	82.25	-26.91	peak
6	17970.000	30.16	25.51	55.67	82.25	-26.58	peak

QPSK-10 MHz-Mid Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5490.000	47.97	0.84	48.81	82.25	-33.44	peak
2	6000.000	47.41	2.25	49.66	82.25	-32.59	peak
3	8775.000	59.44	8.84	68.28	82.25	-13.97	peak
4	10005.000	40.96	12.02	52.98	82.25	-29.27	peak
5	13545.000	34.58	20.99	55.57	82.25	-26.68	peak
6	18000.000	31.10	25.69	56.79	82.25	-25.46	peak

QPSK-10 MHz-Mid Channel- Vertical (worst case)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	50.31	0.43	50.74	82.25	-31.51	peak
2	6000.000	47.74	2.25	49.99	82.25	-32.26	peak
3	8775.000	62.75	8.84	71.59	82.25	-10.66	peak
4	10530.000	39.46	13.10	52.56	82.25	-29.69	peak
5	13560.000	34.41	21.04	55.45	82.25	-26.80	peak
6	17865.000	30.18	24.89	55.07	82.25	-27.18	peak

Note:
1.Limit= -13dBm+95.25=82.25 dBuV/m
2.The low frequency, which started from 9 kHz to 1GHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

QPSK-10 MHz-High Channel- Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	5490.000	48.37	0.84	49.21	82.25	-33.04	peak
2	6000.000	48.97	2.25	51.22	82.25	-31.03	peak
3	8895.000	53.71	9.71	63.42	82.25	-18.83	peak
4	10005.000	41.28	12.02	53.30	82.25	-28.95	peak
5	13875.000	33.56	21.70	55.26	82.25	-26.99	peak
6	17865.000	29.66	24.89	54.55	82.25	-27.70	peak

QPSK-10 MHz-High Channel- Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4995.000	49.43	0.43	49.86	82.25	-32.39	peak
2	6000.000	47.83	2.25	50.08	82.25	-32.17	peak
3	8895.000	53.55	9.71	63.26	82.25	-18.99	peak
4	10005.000	40.34	12.02	52.36	82.25	-29.89	peak
5	13545.000	34.84	20.99	55.83	82.25	-26.42	peak
6	17985.000	29.57	25.60	55.17	82.25	-27.08	peak

END OF REPORT