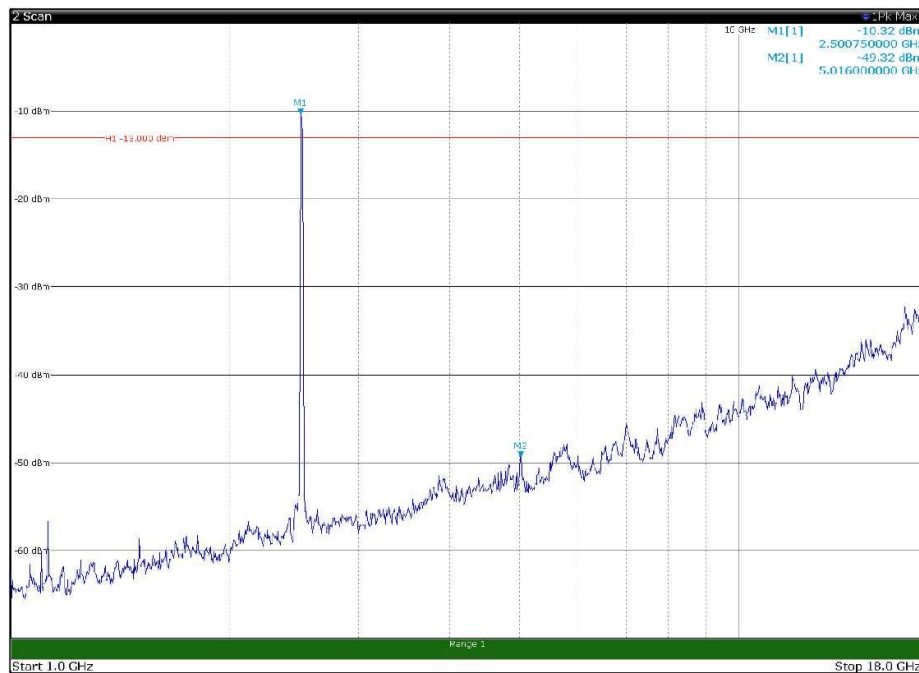
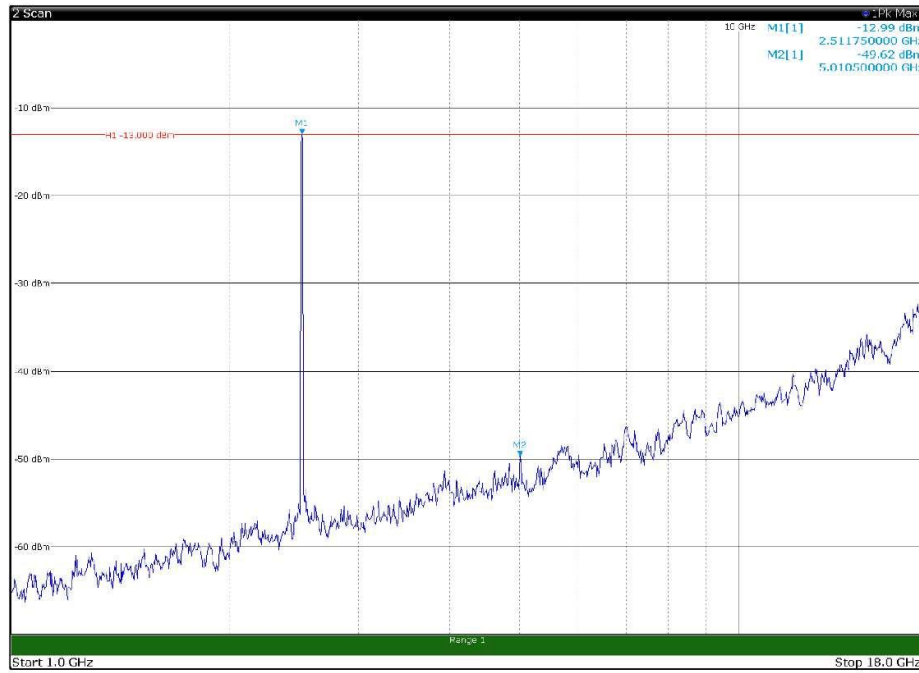
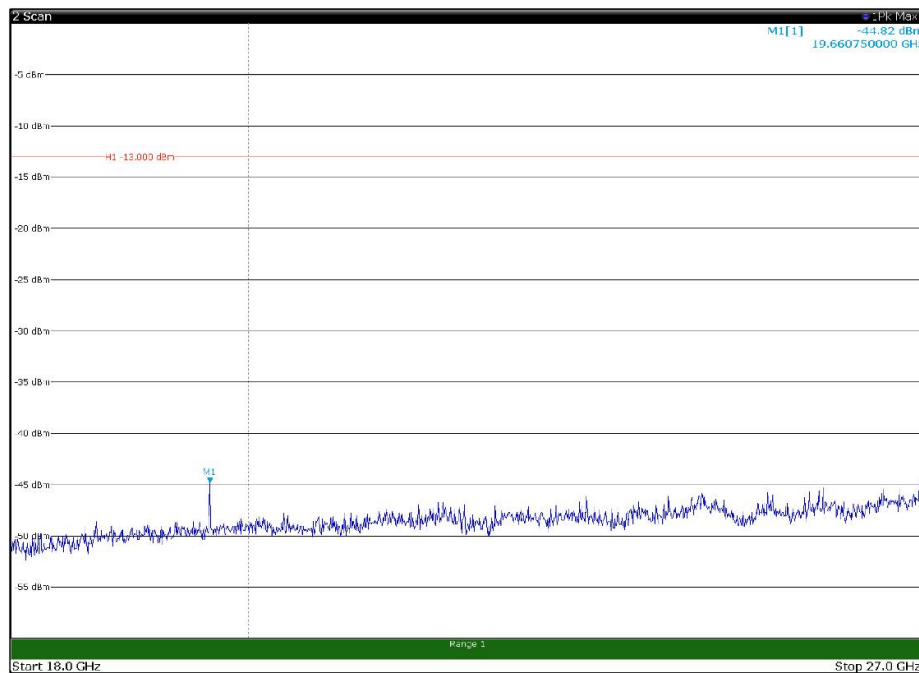
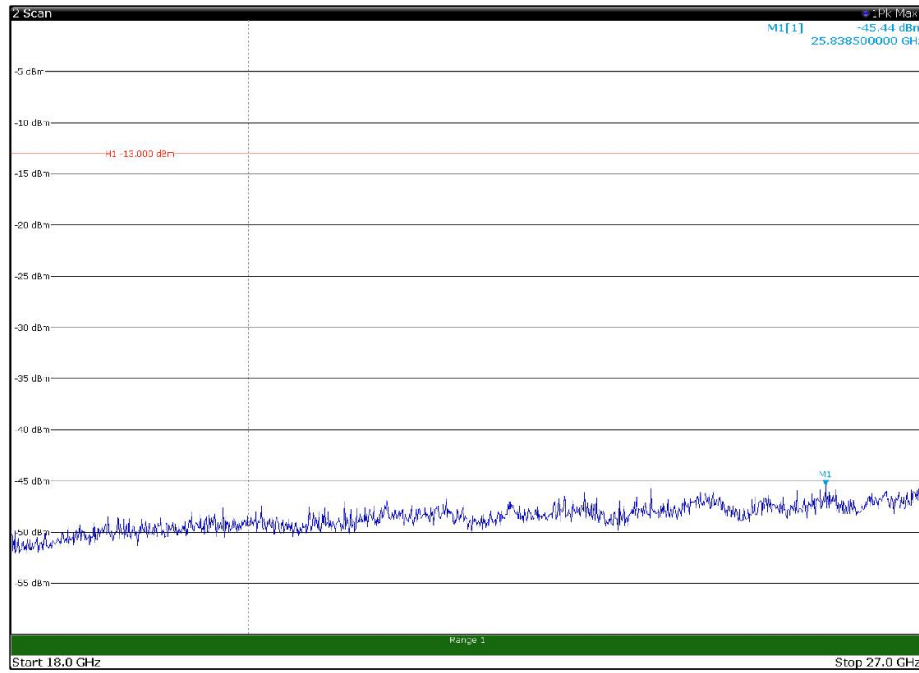
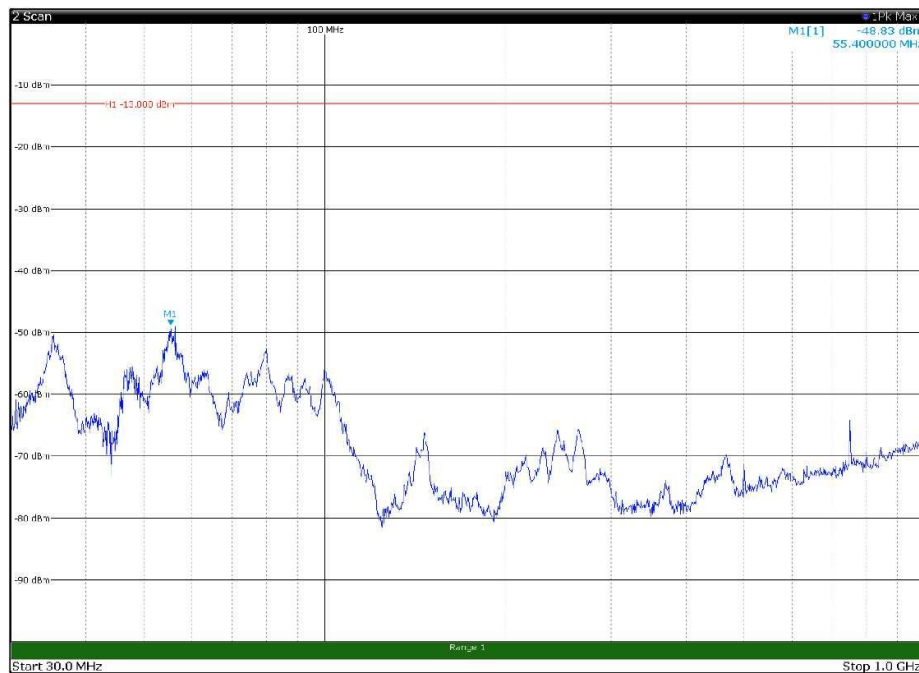
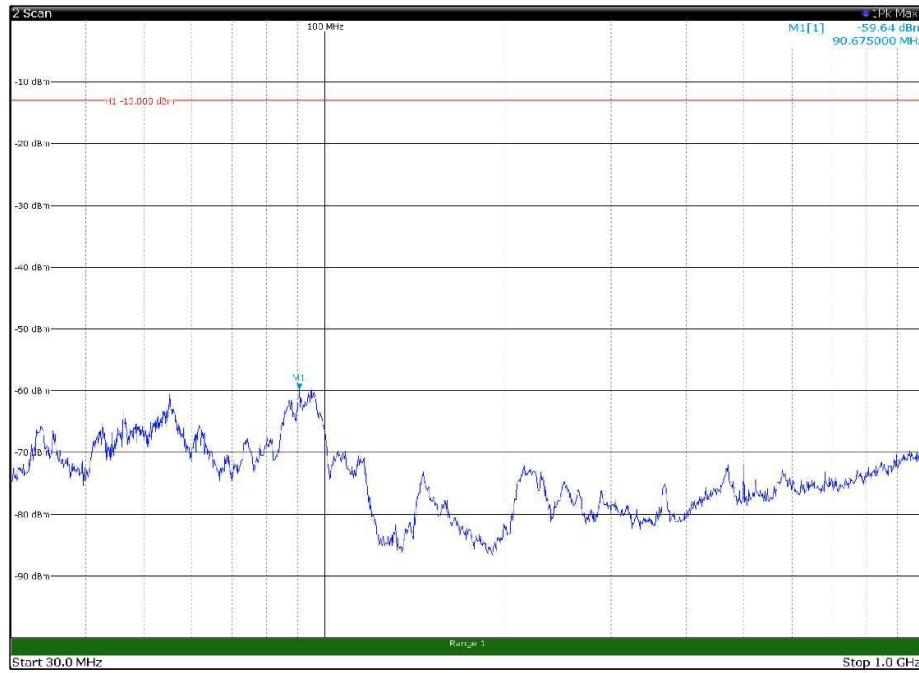
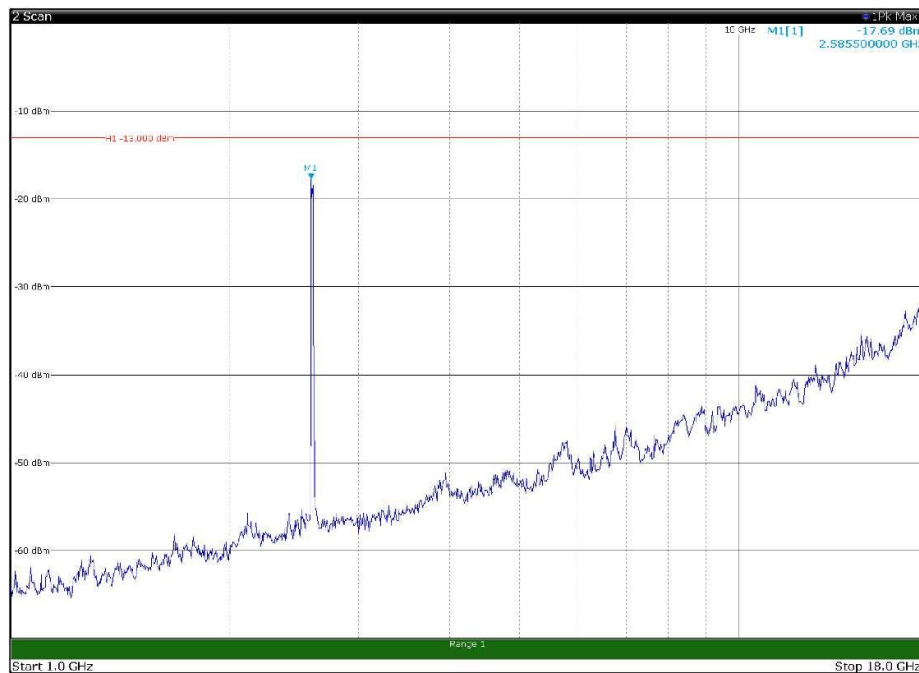
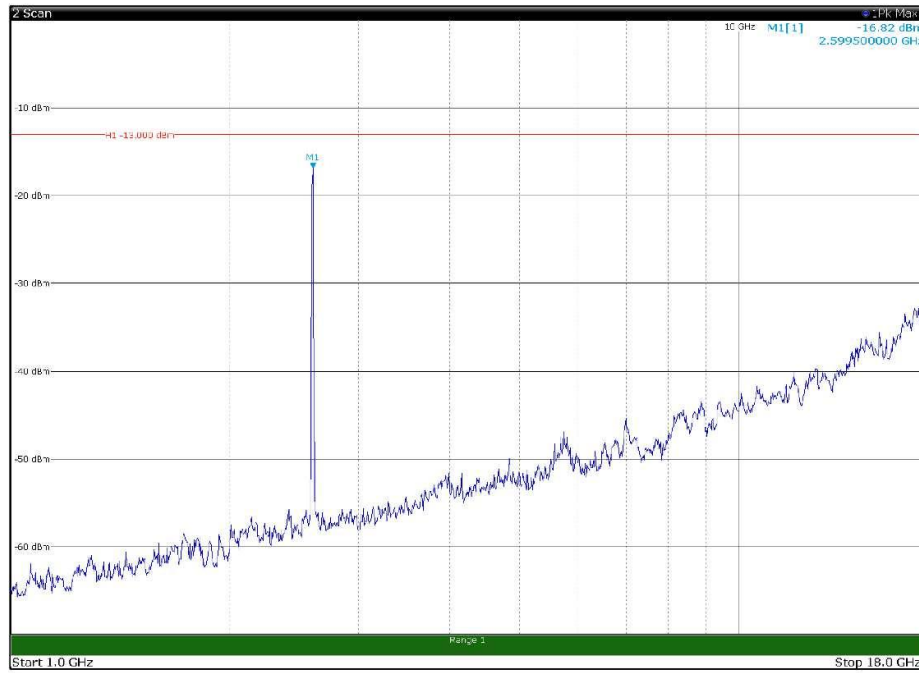
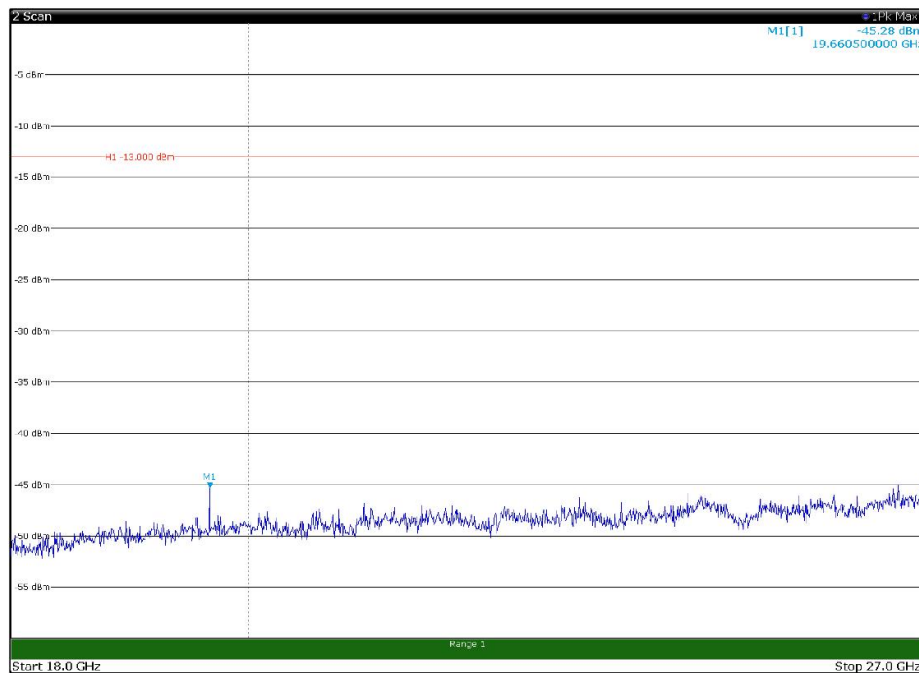
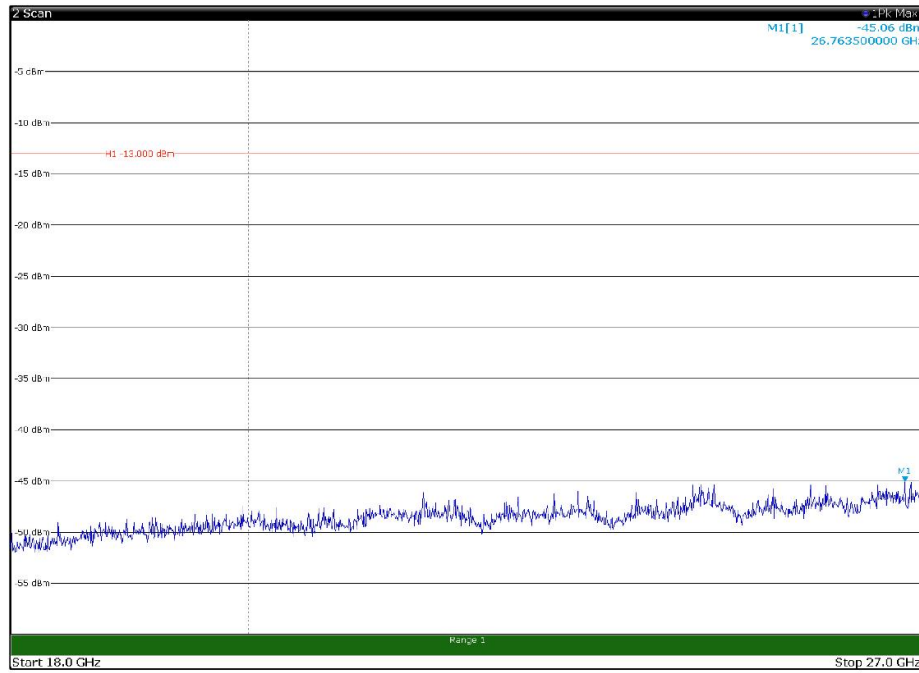


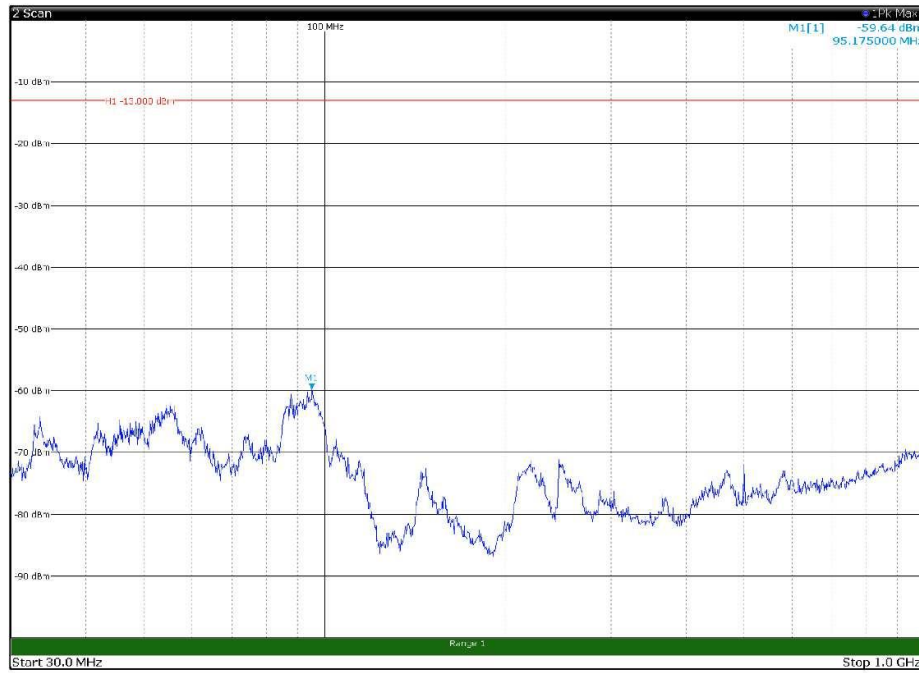




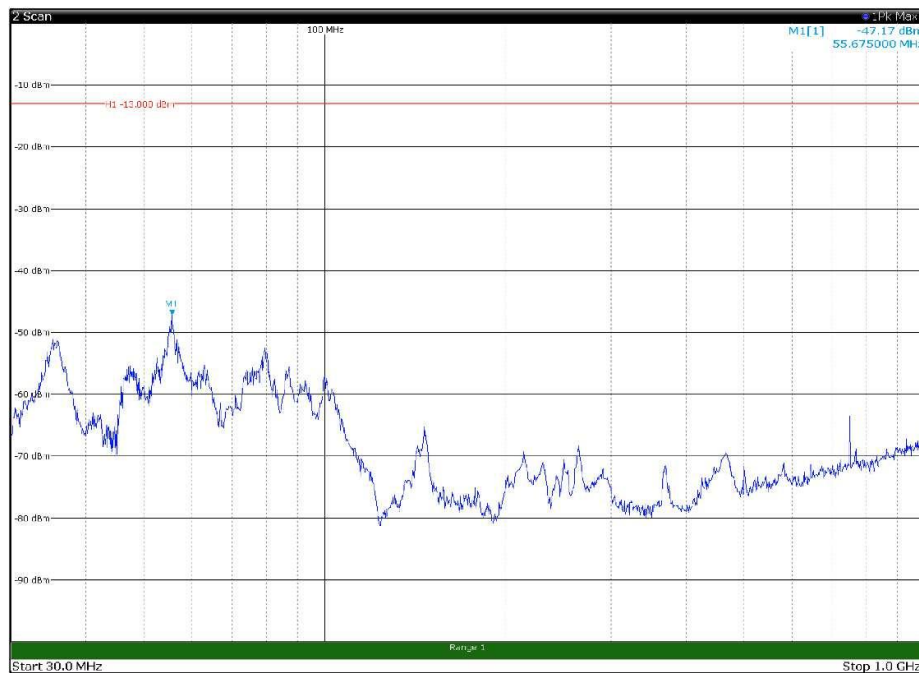




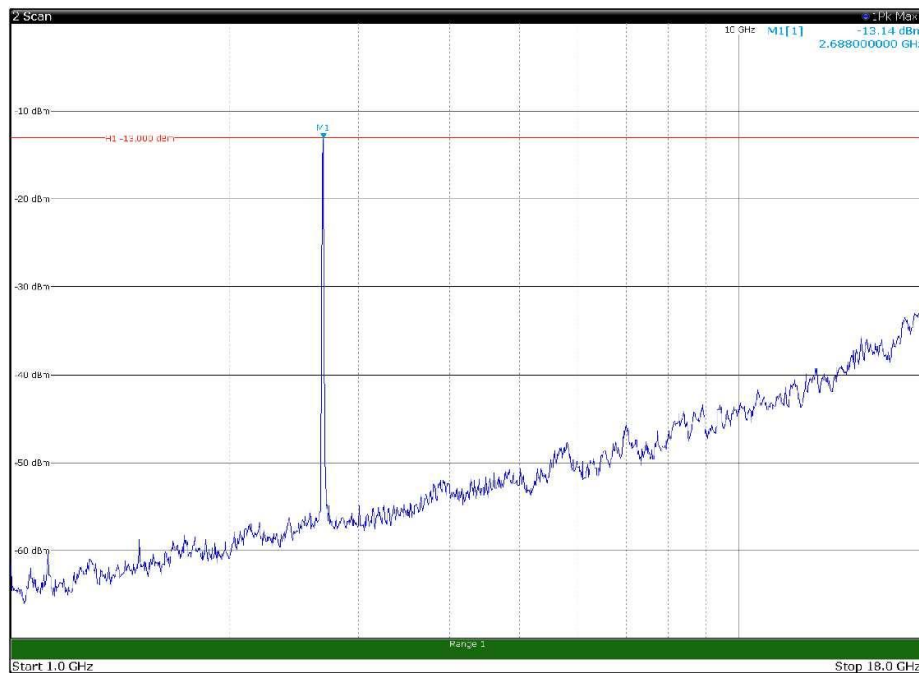
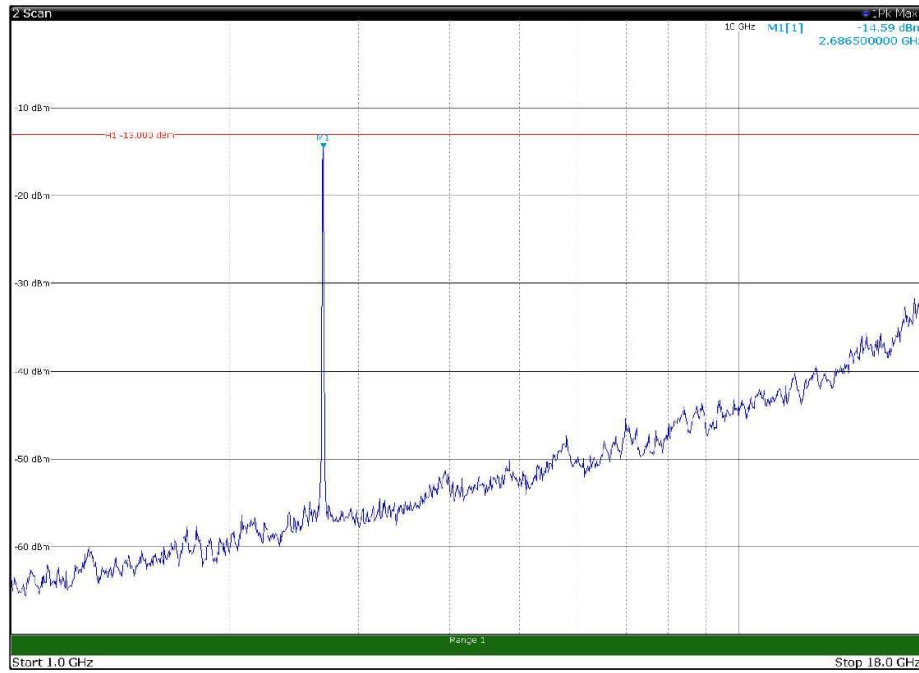


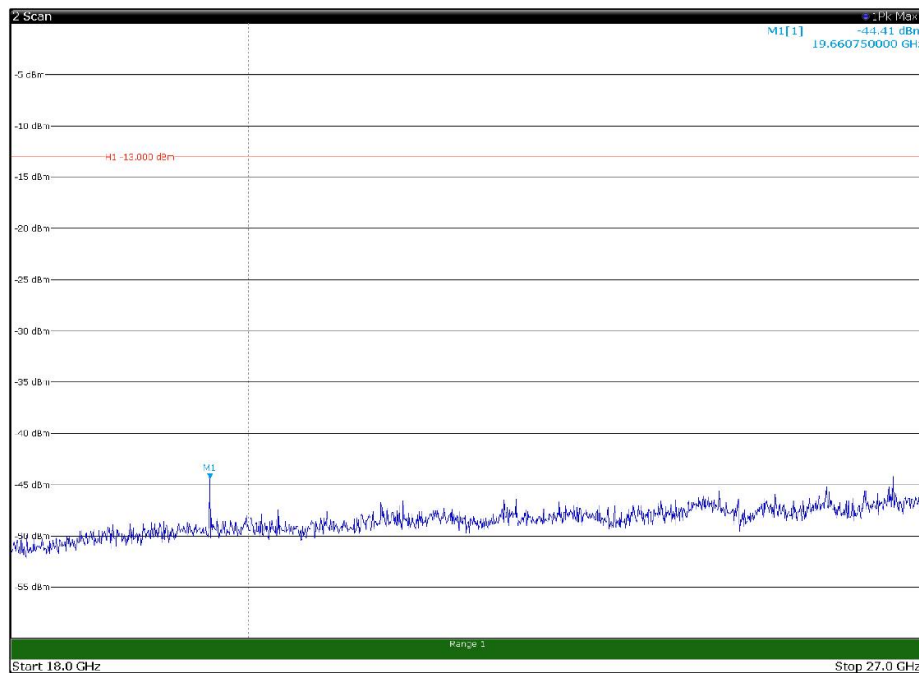
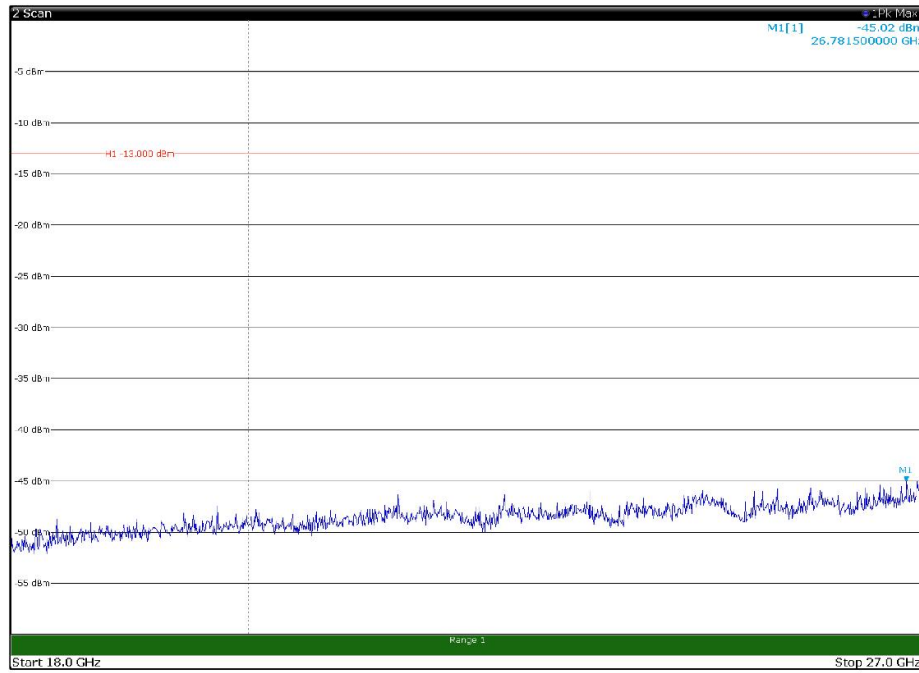


Channel: TOP, Modulation: 256QAM,
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



Channel: TOP, Modulation: 256QAM,
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Vertical





Clause 27.54 Frequency stability

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test date: 10/21/2019 to 12/13/2019

Test results: Pass

Special notes

Test are performed at 85% (40,8Vdc) and 115% (55,2Vdc) of the primary supply voltage and the same result was found.

Test data

RF PORT 1

Temperature = -40°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	1.272	Hz
BOTTOM	LTE 5 MHz	16QAM	1.258	Hz
BOTTOM	LTE 5 MHz	64QAM	-1.069	Hz
BOTTOM	LTE 5 MHz	256QAM	1.286	Hz
MIDDLE	LTE 5 MHz	QPSK	503.93	mHz
MIDDLE	LTE 5 MHz	16QAM	196.93	mHz
MIDDLE	LTE 5 MHz	64QAM	-927.86	mHz
MIDDLE	LTE 5 MHz	256QAM	-1.1302	Hz
TOP	LTE 5 MHz	QPSK	0.757	mHz
TOP	LTE 5 MHz	16QAM	0.597	mHz
TOP	LTE 5 MHz	64QAM	-0.313	mHz
TOP	LTE 5 MHz	256QAM	0.034	mHz
BOTTOM	LTE 10 MHz	QPSK	-0.622	mHz
BOTTOM	LTE 10 MHz	16QAM	-1.057	Hz
BOTTOM	LTE 10 MHz	64QAM	-0.827	mHz
BOTTOM	LTE 10 MHz	256QAM	0.682	mHz
MIDDLE	LTE 10 MHz	QPSK	-41.154	mHz
MIDDLE	LTE 10 MHz	16QAM	202.95	mHz
MIDDLE	LTE 10 MHz	64QAM	1.494	Hz
MIDDLE	LTE 10 MHz	256QAM	-591.6	mHz
TOP	LTE 10 MHz	QPSK	-0.441	mHz
TOP	LTE 10 MHz	16QAM	0.395	mHz
TOP	LTE 10 MHz	64QAM	-1.133	Hz
TOP	LTE 10 MHz	256QAM	0.886	mHz
BOTTOM	LTE 15 MHz	QPSK	-1.326	Hz
BOTTOM	LTE 15 MHz	16QAM	0.326	mHz
BOTTOM	LTE 15 MHz	64QAM	1.074	Hz
BOTTOM	LTE 15 MHz	256QAM	0.09	mHz
MIDDLE	LTE 15 MHz	QPSK	-92.64	mHz
MIDDLE	LTE 15 MHz	16QAM	-712.37	mHz
MIDDLE	LTE 15 MHz	64QAM	-503.18	mHz
MIDDLE	LTE 15 MHz	256QAM	1.2403	Hz
TOP	LTE 15 MHz	QPSK	0.977	mHz
TOP	LTE 15 MHz	16QAM	-0.304	mHz
TOP	LTE 15 MHz	64QAM	-0.846	mHz
TOP	LTE 15 MHz	256QAM	0.467	mHz
BOTTOM	LTE 20 MHz	QPSK	0.8	mHz
BOTTOM	LTE 20 MHz	16QAM	-0.689	mHz
BOTTOM	LTE 20 MHz	64QAM	-0.059	mHz
BOTTOM	LTE 20 MHz	256QAM	0.73	mHz
MIDDLE	LTE 20 MHz	QPSK	-590.48	mHz
MIDDLE	LTE 20 MHz	16QAM	456.83	mHz
MIDDLE	LTE 20 MHz	64QAM	1.3439	Hz
MIDDLE	LTE 20 MHz	256QAM	135.89	mHz
TOP	LTE 20 MHz	QPSK	0.072	mHz
TOP	LTE 20 MHz	16QAM	0.231	mHz
TOP	LTE 20 MHz	64QAM	1.208	Hz
TOP	LTE 20 MHz	256QAM	0.773	mHz

Temperature = -30°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-256	mHz
BOTTOM	LTE 5 MHz	16QAM	-1.428	Hz
BOTTOM	LTE 5 MHz	64QAM	1.216	Hz
BOTTOM	LTE 5 MHz	256QAM	183	mHz
MIDDLE	LTE 5 MHz	QPSK	475	mHz
MIDDLE	LTE 5 MHz	16QAM	126	mHz
MIDDLE	LTE 5 MHz	64QAM	-944	mHz
MIDDLE	LTE 5 MHz	256QAM	-1.077	Hz
TOP	LTE 5 MHz	QPSK	531	mHz
TOP	LTE 5 MHz	16QAM	-916	mHz
TOP	LTE 5 MHz	64QAM	1.211	Hz
TOP	LTE 5 MHz	256QAM	1.231	Hz
BOTTOM	LTE 10 MHz	QPSK	232	mHz
BOTTOM	LTE 10 MHz	16QAM	-1.151	Hz
BOTTOM	LTE 10 MHz	64QAM	-1.073	Hz
BOTTOM	LTE 10 MHz	256QAM	1.129	Hz
MIDDLE	LTE 10 MHz	QPSK	1.058	Hz
MIDDLE	LTE 10 MHz	16QAM	-773	mHz
MIDDLE	LTE 10 MHz	64QAM	804	mHz
MIDDLE	LTE 10 MHz	256QAM	-577	mHz
TOP	LTE 10 MHz	QPSK	1.359	Hz
TOP	LTE 10 MHz	16QAM	699	mHz
TOP	LTE 10 MHz	64QAM	-1.422	Hz
TOP	LTE 10 MHz	256QAM	-1.189	Hz
BOTTOM	LTE 15 MHz	QPSK	-1.174	Hz
BOTTOM	LTE 15 MHz	16QAM	172	mHz
BOTTOM	LTE 15 MHz	64QAM	-1.487	Hz
BOTTOM	LTE 15 MHz	256QAM	1.048	Hz
MIDDLE	LTE 15 MHz	QPSK	780	mHz
MIDDLE	LTE 15 MHz	16QAM	-852	mHz
MIDDLE	LTE 15 MHz	64QAM	-1.46	Hz
MIDDLE	LTE 15 MHz	256QAM	669	mHz
TOP	LTE 15 MHz	QPSK	-1.062	Hz
TOP	LTE 15 MHz	16QAM	-764	mHz
TOP	LTE 15 MHz	64QAM	-903	mHz
TOP	LTE 15 MHz	256QAM	-731	mHz
BOTTOM	LTE 20 MHz	QPSK	1.314	Hz
BOTTOM	LTE 20 MHz	16QAM	250	mHz
BOTTOM	LTE 20 MHz	64QAM	267	mHz
BOTTOM	LTE 20 MHz	256QAM	187	mHz
MIDDLE	LTE 20 MHz	QPSK	579	mHz
MIDDLE	LTE 20 MHz	16QAM	-209	mHz
MIDDLE	LTE 20 MHz	64QAM	1.451	Hz
MIDDLE	LTE 20 MHz	256QAM	1.444	Hz
TOP	LTE 20 MHz	QPSK	296	mHz
TOP	LTE 20 MHz	16QAM	770	mHz
TOP	LTE 20 MHz	64QAM	998	mHz
TOP	LTE 20 MHz	256QAM	-728	mHz

Temperature = -20°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-1.492	Hz
BOTTOM	LTE 5 MHz	16QAM	-0.468	mHz
BOTTOM	LTE 5 MHz	64QAM	-1.472	Hz
BOTTOM	LTE 5 MHz	256QAM	1.307	Hz
MIDDLE	LTE 5 MHz	QPSK	0.132	mHz
MIDDLE	LTE 5 MHz	16QAM	-0.811	mHz
MIDDLE	LTE 5 MHz	64QAM	0.513	mHz
MIDDLE	LTE 5 MHz	256QAM	0.591	mHz
TOP	LTE 5 MHz	QPSK	-0.939	mHz
TOP	LTE 5 MHz	16QAM	1.323	Hz
TOP	LTE 5 MHz	64QAM	1.472	Hz
TOP	LTE 5 MHz	256QAM	-0.301	mHz
BOTTOM	LTE 10 MHz	QPSK	0.189	mHz
BOTTOM	LTE 10 MHz	16QAM	1.451	Hz
BOTTOM	LTE 10 MHz	64QAM	1.352	Hz
BOTTOM	LTE 10 MHz	256QAM	-0.786	mHz
MIDDLE	LTE 10 MHz	QPSK	1.363	Hz
MIDDLE	LTE 10 MHz	16QAM	1.437	Hz
MIDDLE	LTE 10 MHz	64QAM	-0.159	mHz
MIDDLE	LTE 10 MHz	256QAM	-0.159	mHz
TOP	LTE 10 MHz	QPSK	-0.977	mHz
TOP	LTE 10 MHz	16QAM	1.09	Hz
TOP	LTE 10 MHz	64QAM	0.438	mHz
TOP	LTE 10 MHz	256QAM	-1.325	Hz
BOTTOM	LTE 15 MHz	QPSK	0.742	mHz
BOTTOM	LTE 15 MHz	16QAM	0.149	mHz
BOTTOM	LTE 15 MHz	64QAM	-1.005	Hz
BOTTOM	LTE 15 MHz	256QAM	-0.894	mHz
MIDDLE	LTE 15 MHz	QPSK	1.209	Hz
MIDDLE	LTE 15 MHz	16QAM	1.403	Hz
MIDDLE	LTE 15 MHz	64QAM	0.069	mHz
MIDDLE	LTE 15 MHz	256QAM	1.072	Hz
TOP	LTE 15 MHz	QPSK	1.434	Hz
TOP	LTE 15 MHz	16QAM	-1.104	Hz
TOP	LTE 15 MHz	64QAM	-0.791	mHz
TOP	LTE 15 MHz	256QAM	-1.29	Hz
BOTTOM	LTE 20 MHz	QPSK	0.013	mHz
BOTTOM	LTE 20 MHz	16QAM	0.626	mHz
BOTTOM	LTE 20 MHz	64QAM	0.062	mHz
BOTTOM	LTE 20 MHz	256QAM	1.33	Hz
MIDDLE	LTE 20 MHz	QPSK	-0.056	mHz
MIDDLE	LTE 20 MHz	16QAM	-0.192	mHz
MIDDLE	LTE 20 MHz	64QAM	0.633	mHz
MIDDLE	LTE 20 MHz	256QAM	-0.503	mHz
TOP	LTE 20 MHz	QPSK	1.349	Hz
TOP	LTE 20 MHz	16QAM	-0.849	mHz
TOP	LTE 20 MHz	64QAM	-0.963	mHz
TOP	LTE 20 MHz	256QAM	-1.296	Hz

Temperature = -10°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	0.352	mHz
BOTTOM	LTE 5 MHz	16QAM	-1.077	Hz
BOTTOM	LTE 5 MHz	64QAM	0.352	mHz
BOTTOM	LTE 5 MHz	256QAM	-1.404	Hz
MIDDLE	LTE 5 MHz	QPSK	-1.48	Hz
MIDDLE	LTE 5 MHz	16QAM	-0.396	mHz
MIDDLE	LTE 5 MHz	64QAM	-1.463	Hz
MIDDLE	LTE 5 MHz	256QAM	-0.08	mHz
TOP	LTE 5 MHz	QPSK	-1.495	Hz
TOP	LTE 5 MHz	16QAM	0.164	mHz
TOP	LTE 5 MHz	64QAM	-1.078	Hz
TOP	LTE 5 MHz	256QAM	-0.614	mHz
BOTTOM	LTE 10 MHz	QPSK	0.575	mHz
BOTTOM	LTE 10 MHz	16QAM	1.43	Hz
BOTTOM	LTE 10 MHz	64QAM	-0.033	mHz
BOTTOM	LTE 10 MHz	256QAM	0.25	mHz
MIDDLE	LTE 10 MHz	QPSK	-0.889	mHz
MIDDLE	LTE 10 MHz	16QAM	-0.07	mHz
MIDDLE	LTE 10 MHz	64QAM	-1.475	Hz
MIDDLE	LTE 10 MHz	256QAM	-0.328	mHz
TOP	LTE 10 MHz	QPSK	-1.424	Hz
TOP	LTE 10 MHz	16QAM	-0.213	mHz
TOP	LTE 10 MHz	64QAM	1.042	Hz
TOP	LTE 10 MHz	256QAM	-0.281	mHz
BOTTOM	LTE 15 MHz	QPSK	0.414	mHz
BOTTOM	LTE 15 MHz	16QAM	-0.989	mHz
BOTTOM	LTE 15 MHz	64QAM	1.497	Hz
BOTTOM	LTE 15 MHz	256QAM	-0.404	mHz
MIDDLE	LTE 15 MHz	QPSK	-0.416	mHz
MIDDLE	LTE 15 MHz	16QAM	-1.113	Hz
MIDDLE	LTE 15 MHz	64QAM	-1.267	Hz
MIDDLE	LTE 15 MHz	256QAM	-1.021	Hz
TOP	LTE 15 MHz	QPSK	-0.335	mHz
TOP	LTE 15 MHz	16QAM	-1.365	Hz
TOP	LTE 15 MHz	64QAM	-0.343	mHz
TOP	LTE 15 MHz	256QAM	-0.018	mHz
BOTTOM	LTE 20 MHz	QPSK	0.589	mHz
BOTTOM	LTE 20 MHz	16QAM	0.207	mHz
BOTTOM	LTE 20 MHz	64QAM	-1.193	Hz
BOTTOM	LTE 20 MHz	256QAM	0.351	mHz
MIDDLE	LTE 20 MHz	QPSK	0.839	mHz
MIDDLE	LTE 20 MHz	16QAM	-0.905	mHz
MIDDLE	LTE 20 MHz	64QAM	-0.623	mHz
MIDDLE	LTE 20 MHz	256QAM	-1.213	Hz
TOP	LTE 20 MHz	QPSK	0.383	mHz
TOP	LTE 20 MHz	16QAM	-0.826	mHz
TOP	LTE 20 MHz	64QAM	0.314	mHz
TOP	LTE 20 MHz	256QAM	0.975	mHz

Temperature = 0°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-1.118	Hz
BOTTOM	LTE 5 MHz	16QAM	-0.77	mHz
BOTTOM	LTE 5 MHz	64QAM	-1.451	Hz
BOTTOM	LTE 5 MHz	256QAM	-0.82	mHz
MIDDLE	LTE 5 MHz	QPSK	192.59	mHz
MIDDLE	LTE 5 MHz	16QAM	766.12	mHz
MIDDLE	LTE 5 MHz	64QAM	-637.62	mHz
MIDDLE	LTE 5 MHz	256QAM	1.8696	Hz
TOP	LTE 5 MHz	QPSK	-0.985	mHz
TOP	LTE 5 MHz	16QAM	1.075	Hz
TOP	LTE 5 MHz	64QAM	-0.796	mHz
TOP	LTE 5 MHz	256QAM	0.97	mHz
BOTTOM	LTE 10 MHz	QPSK	-0.462	mHz
BOTTOM	LTE 10 MHz	16QAM	-0.212	mHz
BOTTOM	LTE 10 MHz	64QAM	-1.401	Hz
BOTTOM	LTE 10 MHz	256QAM	-0.664	mHz
MIDDLE	LTE 10 MHz	QPSK	43.845	mHz
MIDDLE	LTE 10 MHz	16QAM	970.84	mHz
MIDDLE	LTE 10 MHz	64QAM	-1.1077	Hz
MIDDLE	LTE 10 MHz	256QAM	-136.5	mHz
TOP	LTE 10 MHz	QPSK	-0.61	mHz
TOP	LTE 10 MHz	16QAM	1.454	Hz
TOP	LTE 10 MHz	64QAM	-1.131	Hz
TOP	LTE 10 MHz	256QAM	0.792	mHz
BOTTOM	LTE 15 MHz	QPSK	-1.408	Hz
BOTTOM	LTE 15 MHz	16QAM	-0.196	mHz
BOTTOM	LTE 15 MHz	64QAM	0.482	mHz
BOTTOM	LTE 15 MHz	256QAM	0.908	mHz
MIDDLE	LTE 15 MHz	QPSK	-1.0451	Hz
MIDDLE	LTE 15 MHz	16QAM	-148.44	mHz
MIDDLE	LTE 15 MHz	64QAM	352.13	mHz
MIDDLE	LTE 15 MHz	256QAM	-354.77	mHz
TOP	LTE 15 MHz	QPSK	0.871	mHz
TOP	LTE 15 MHz	16QAM	0.56	mHz
TOP	LTE 15 MHz	64QAM	1.288	Hz
TOP	LTE 15 MHz	256QAM	-1.226	Hz
BOTTOM	LTE 20 MHz	QPSK	-0.802	mHz
BOTTOM	LTE 20 MHz	16QAM	-0.882	mHz
BOTTOM	LTE 20 MHz	64QAM	0.652	mHz
BOTTOM	LTE 20 MHz	256QAM	-0.639	mHz
MIDDLE	LTE 20 MHz	QPSK	1.2309	Hz
MIDDLE	LTE 20 MHz	16QAM	628.48	mHz
MIDDLE	LTE 20 MHz	64QAM	55.326	mHz
MIDDLE	LTE 20 MHz	256QAM	326.36	mHz
TOP	LTE 20 MHz	QPSK	0.916	mHz
TOP	LTE 20 MHz	16QAM	-1.138	Hz
TOP	LTE 20 MHz	64QAM	-0.565	mHz
TOP	LTE 20 MHz	256QAM	-0.228	mHz

Temperature = 10°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	1.076	Hz
BOTTOM	LTE 5 MHz	16QAM	958	mHz
BOTTOM	LTE 5 MHz	64QAM	-941	mHz
BOTTOM	LTE 5 MHz	256QAM	-510	mHz
MIDDLE	LTE 5 MHz	QPSK	636	mHz
MIDDLE	LTE 5 MHz	16QAM	64	mHz
MIDDLE	LTE 5 MHz	64QAM	-1.155	Hz
MIDDLE	LTE 5 MHz	256QAM	219	mHz
TOP	LTE 5 MHz	QPSK	-745	mHz
TOP	LTE 5 MHz	16QAM	948	mHz
TOP	LTE 5 MHz	64QAM	-481	mHz
TOP	LTE 5 MHz	256QAM	607	mHz
BOTTOM	LTE 10 MHz	QPSK	1.104	Hz
BOTTOM	LTE 10 MHz	16QAM	564	mHz
BOTTOM	LTE 10 MHz	64QAM	-1.135	Hz
BOTTOM	LTE 10 MHz	256QAM	287	mHz
MIDDLE	LTE 10 MHz	QPSK	-507	mHz
MIDDLE	LTE 10 MHz	16QAM	152	mHz
MIDDLE	LTE 10 MHz	64QAM	-845	mHz
MIDDLE	LTE 10 MHz	256QAM	1.218	Hz
TOP	LTE 10 MHz	QPSK	382	mHz
TOP	LTE 10 MHz	16QAM	1.039	Hz
TOP	LTE 10 MHz	64QAM	1.068	Hz
TOP	LTE 10 MHz	256QAM	-1.326	Hz
BOTTOM	LTE 15 MHz	QPSK	-955	mHz
BOTTOM	LTE 15 MHz	16QAM	-749	mHz
BOTTOM	LTE 15 MHz	64QAM	281	mHz
BOTTOM	LTE 15 MHz	256QAM	-980	mHz
MIDDLE	LTE 15 MHz	QPSK	-1.456	Hz
MIDDLE	LTE 15 MHz	16QAM	638	mHz
MIDDLE	LTE 15 MHz	64QAM	1.193	Hz
MIDDLE	LTE 15 MHz	256QAM	378	mHz
TOP	LTE 15 MHz	QPSK	-1.172	Hz
TOP	LTE 15 MHz	16QAM	516	mHz
TOP	LTE 15 MHz	64QAM	704	mHz
TOP	LTE 15 MHz	256QAM	-650	mHz
BOTTOM	LTE 20 MHz	QPSK	182	mHz
BOTTOM	LTE 20 MHz	16QAM	-911	mHz
BOTTOM	LTE 20 MHz	64QAM	1.44	Hz
BOTTOM	LTE 20 MHz	256QAM	-1.431	Hz
MIDDLE	LTE 20 MHz	QPSK	-1.027	Hz
MIDDLE	LTE 20 MHz	16QAM	-1.47	Hz
MIDDLE	LTE 20 MHz	64QAM	-781	mHz
MIDDLE	LTE 20 MHz	256QAM	928	mHz
TOP	LTE 20 MHz	QPSK	-893	mHz
TOP	LTE 20 MHz	16QAM	446	mHz
TOP	LTE 20 MHz	64QAM	1.082	Hz
TOP	LTE 20 MHz	256QAM	160	mHz

Temperature = 20°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	1.9066	Hz
BOTTOM	LTE 5 MHz	16QAM	630.03	mHz
BOTTOM	LTE 5 MHz	64QAM	-429.94	mHz
BOTTOM	LTE 5 MHz	256QAM	660.93	mHz
MIDDLE	LTE 5 MHz	QPSK	456.47	mHz
MIDDLE	LTE 5 MHz	16QAM	706.5	mHz
MIDDLE	LTE 5 MHz	64QAM	655.16	mHz
MIDDLE	LTE 5 MHz	256QAM	-342.62	mHz
TOP	LTE 5 MHz	QPSK	406.02	mHz
TOP	LTE 5 MHz	16QAM	845.65	mHz
TOP	LTE 5 MHz	64QAM	-64.576	mHz
TOP	LTE 5 MHz	256QAM	47.486	mHz
BOTTOM	LTE 10 MHz	QPSK	308.86	mHz
BOTTOM	LTE 10 MHz	16QAM	-921.08	mHz
BOTTOM	LTE 10 MHz	64QAM	879.34	mHz
BOTTOM	LTE 10 MHz	256QAM	347.46	mHz
MIDDLE	LTE 10 MHz	QPSK	775.03	mHz
MIDDLE	LTE 10 MHz	16QAM	597.09	mHz
MIDDLE	LTE 10 MHz	64QAM	-120.86	mHz
MIDDLE	LTE 10 MHz	256QAM	-26.548	mHz
TOP	LTE 10 MHz	QPSK	-273.93	mHz
TOP	LTE 10 MHz	16QAM	-30.463	mHz
TOP	LTE 10 MHz	64QAM	418.13	mHz
TOP	LTE 10 MHz	256QAM	96.765	mHz
BOTTOM	LTE 15 MHz	QPSK	-494.84	mHz
BOTTOM	LTE 15 MHz	16QAM	-1.2198	Hz
BOTTOM	LTE 15 MHz	64QAM	-794.88	mHz
BOTTOM	LTE 15 MHz	256QAM	47.864	mHz
MIDDLE	LTE 15 MHz	QPSK	-440.72	mHz
MIDDLE	LTE 15 MHz	16QAM	-490.88	mHz
MIDDLE	LTE 15 MHz	64QAM	-1.0891	Hz
MIDDLE	LTE 15 MHz	256QAM	151.98	mHz
TOP	LTE 15 MHz	QPSK	589.17	mHz
TOP	LTE 15 MHz	16QAM	284.62	mHz
TOP	LTE 15 MHz	64QAM	1.0345	Hz
TOP	LTE 15 MHz	256QAM	377.43	mHz
BOTTOM	LTE 20 MHz	QPSK	-2.5794	Hz
BOTTOM	LTE 20 MHz	16QAM	-1.5469	Hz
BOTTOM	LTE 20 MHz	64QAM	944.96	mHz
BOTTOM	LTE 20 MHz	256QAM	-361.43	mHz
MIDDLE	LTE 20 MHz	QPSK	-323.99	mHz
MIDDLE	LTE 20 MHz	16QAM	-2.9207	Hz
MIDDLE	LTE 20 MHz	64QAM	1.6105	Hz
MIDDLE	LTE 20 MHz	256QAM	-223.88	mHz
TOP	LTE 20 MHz	QPSK	1.2981	Hz
TOP	LTE 20 MHz	16QAM	-971.37	mHz
TOP	LTE 20 MHz	64QAM	-607.44	mHz
TOP	LTE 20 MHz	256QAM	877.81	mHz

Temperature = 30°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-1.272	Hz
BOTTOM	LTE 5 MHz	16QAM	-458	mHz
BOTTOM	LTE 5 MHz	64QAM	955	mHz
BOTTOM	LTE 5 MHz	256QAM	-1.273	Hz
MIDDLE	LTE 5 MHz	QPSK	492.86	mHz
MIDDLE	LTE 5 MHz	16QAM	10.3	mHz
MIDDLE	LTE 5 MHz	64QAM	-772.64	mHz
MIDDLE	LTE 5 MHz	256QAM	137.08	mHz
TOP	LTE 5 MHz	QPSK	375	mHz
TOP	LTE 5 MHz	16QAM	1.075	Hz
TOP	LTE 5 MHz	64QAM	1.28	Hz
TOP	LTE 5 MHz	256QAM	1.253	Hz
BOTTOM	LTE 10 MHz	QPSK	794	mHz
BOTTOM	LTE 10 MHz	16QAM	-1.266	Hz
BOTTOM	LTE 10 MHz	64QAM	1.355	Hz
BOTTOM	LTE 10 MHz	256QAM	-169	mHz
MIDDLE	LTE 10 MHz	QPSK	-467.18	mHz
MIDDLE	LTE 10 MHz	16QAM	759.31	mHz
MIDDLE	LTE 10 MHz	64QAM	-310.96	mHz
MIDDLE	LTE 10 MHz	256QAM	-143.02	mHz
TOP	LTE 10 MHz	QPSK	1.091	Hz
TOP	LTE 10 MHz	16QAM	361	mHz
TOP	LTE 10 MHz	64QAM	114	mHz
TOP	LTE 10 MHz	256QAM	654	mHz
BOTTOM	LTE 15 MHz	QPSK	-970	mHz
BOTTOM	LTE 15 MHz	16QAM	-1.305	Hz
BOTTOM	LTE 15 MHz	64QAM	1.046	Hz
BOTTOM	LTE 15 MHz	256QAM	1.261	Hz
MIDDLE	LTE 15 MHz	QPSK	1.3312	Hz
MIDDLE	LTE 15 MHz	16QAM	1.3183	Hz
MIDDLE	LTE 15 MHz	64QAM	-166.28	mHz
MIDDLE	LTE 15 MHz	256QAM	669.52	mHz
TOP	LTE 15 MHz	QPSK	1.13	Hz
TOP	LTE 15 MHz	16QAM	-229	mHz
TOP	LTE 15 MHz	64QAM	510	mHz
TOP	LTE 15 MHz	256QAM	-910	mHz
BOTTOM	LTE 20 MHz	QPSK	-772	mHz
BOTTOM	LTE 20 MHz	16QAM	-35	mHz
BOTTOM	LTE 20 MHz	64QAM	-143	mHz
BOTTOM	LTE 20 MHz	256QAM	1.009	Hz
MIDDLE	LTE 20 MHz	QPSK	801.04	mHz
MIDDLE	LTE 20 MHz	16QAM	1.326	Hz
MIDDLE	LTE 20 MHz	64QAM	-409.42	mHz
MIDDLE	LTE 20 MHz	256QAM	-986.07	mHz
TOP	LTE 20 MHz	QPSK	-753	mHz
TOP	LTE 20 MHz	16QAM	-1.294	Hz
TOP	LTE 20 MHz	64QAM	-562	mHz
TOP	LTE 20 MHz	256QAM	1.001	Hz

Temperature = 40°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	114.06	mHz
BOTTOM	LTE 5 MHz	16QAM	-366.8	mHz
BOTTOM	LTE 5 MHz	64QAM	463.08	mHz
BOTTOM	LTE 5 MHz	256QAM	563.23	mHz
MIDDLE	LTE 5 MHz	QPSK	-737.83	mHz
MIDDLE	LTE 5 MHz	16QAM	653.63	mHz
MIDDLE	LTE 5 MHz	64QAM	-321.39	mHz
MIDDLE	LTE 5 MHz	256QAM	-677.07	mHz
TOP	LTE 5 MHz	QPSK	817.73	mHz
TOP	LTE 5 MHz	16QAM	333.73	mHz
TOP	LTE 5 MHz	64QAM	-1.4221	Hz
TOP	LTE 5 MHz	256QAM	-633.45	mHz
BOTTOM	LTE 10 MHz	QPSK	-1.409	Hz
BOTTOM	LTE 10 MHz	16QAM	-513.58	mHz
BOTTOM	LTE 10 MHz	64QAM	1.0845	Hz
BOTTOM	LTE 10 MHz	256QAM	1.5744	Hz
MIDDLE	LTE 10 MHz	QPSK	-612.62	mHz
MIDDLE	LTE 10 MHz	16QAM	-1.0442	Hz
MIDDLE	LTE 10 MHz	64QAM	-283.46	mHz
MIDDLE	LTE 10 MHz	256QAM	141.4	mHz
TOP	LTE 10 MHz	QPSK	-246.92	mHz
TOP	LTE 10 MHz	16QAM	911.04	mHz
TOP	LTE 10 MHz	64QAM	-1.053	Hz
TOP	LTE 10 MHz	256QAM	-752.4	mHz
BOTTOM	LTE 15 MHz	QPSK	-97.021	mHz
BOTTOM	LTE 15 MHz	16QAM	213.07	mHz
BOTTOM	LTE 15 MHz	64QAM	-989.44	mHz
BOTTOM	LTE 15 MHz	256QAM	1.4356	Hz
MIDDLE	LTE 15 MHz	QPSK	687.65	mHz
MIDDLE	LTE 15 MHz	16QAM	-1.2391	Hz
MIDDLE	LTE 15 MHz	64QAM	411.83	mHz
MIDDLE	LTE 15 MHz	256QAM	-471.94	mHz
TOP	LTE 15 MHz	QPSK	155.42	mHz
TOP	LTE 15 MHz	16QAM	768.31	mHz
TOP	LTE 15 MHz	64QAM	633.37	mHz
TOP	LTE 15 MHz	256QAM	-1.664	Hz
BOTTOM	LTE 20 MHz	QPSK	-830.29	mHz
BOTTOM	LTE 20 MHz	16QAM	507.74	mHz
BOTTOM	LTE 20 MHz	64QAM	-381.05	mHz
BOTTOM	LTE 20 MHz	256QAM	1.4169	Hz
MIDDLE	LTE 20 MHz	QPSK	-139.34	mHz
MIDDLE	LTE 20 MHz	16QAM	718.81	mHz
MIDDLE	LTE 20 MHz	64QAM	-374.32	mHz
MIDDLE	LTE 20 MHz	256QAM	649.24	mHz
TOP	LTE 20 MHz	QPSK	645.51	mHz
TOP	LTE 20 MHz	16QAM	1.6323	Hz
TOP	LTE 20 MHz	64QAM	-1.3229	Hz
TOP	LTE 20 MHz	256QAM	771.06	mHz

Temperature = 50°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	720	mHz
BOTTOM	LTE 5 MHz	16QAM	-901	mHz
BOTTOM	LTE 5 MHz	64QAM	-472	mHz
BOTTOM	LTE 5 MHz	256QAM	-1.008	Hz
MIDDLE	LTE 5 MHz	QPSK	-437	mHz
MIDDLE	LTE 5 MHz	16QAM	1.119	Hz
MIDDLE	LTE 5 MHz	64QAM	-77	mHz
MIDDLE	LTE 5 MHz	256QAM	-626	mHz
TOP	LTE 5 MHz	QPSK	793	mHz
TOP	LTE 5 MHz	16QAM	-880	mHz
TOP	LTE 5 MHz	64QAM	819	mHz
TOP	LTE 5 MHz	256QAM	-268	mHz
BOTTOM	LTE 10 MHz	QPSK	1.151	Hz
BOTTOM	LTE 10 MHz	16QAM	1.04	Hz
BOTTOM	LTE 10 MHz	64QAM	-894	mHz
BOTTOM	LTE 10 MHz	256QAM	160	mHz
MIDDLE	LTE 10 MHz	QPSK	81	mHz
MIDDLE	LTE 10 MHz	16QAM	-849	mHz
MIDDLE	LTE 10 MHz	64QAM	-523	mHz
MIDDLE	LTE 10 MHz	256QAM	1.393	Hz
TOP	LTE 10 MHz	QPSK	-293	mHz
TOP	LTE 10 MHz	16QAM	-984	mHz
TOP	LTE 10 MHz	64QAM	-803	mHz
TOP	LTE 10 MHz	256QAM	-1.481	Hz
BOTTOM	LTE 15 MHz	QPSK	480	mHz
BOTTOM	LTE 15 MHz	16QAM	1.192	Hz
BOTTOM	LTE 15 MHz	64QAM	-896	mHz
BOTTOM	LTE 15 MHz	256QAM	398	mHz
MIDDLE	LTE 15 MHz	QPSK	26	mHz
MIDDLE	LTE 15 MHz	16QAM	-66	mHz
MIDDLE	LTE 15 MHz	64QAM	1.268	Hz
MIDDLE	LTE 15 MHz	256QAM	1.079	Hz
TOP	LTE 15 MHz	QPSK	-467	mHz
TOP	LTE 15 MHz	16QAM	445	mHz
TOP	LTE 15 MHz	64QAM	-530	mHz
TOP	LTE 15 MHz	256QAM	398	mHz
BOTTOM	LTE 20 MHz	QPSK	-626	mHz
BOTTOM	LTE 20 MHz	16QAM	1.028	Hz
BOTTOM	LTE 20 MHz	64QAM	578	mHz
BOTTOM	LTE 20 MHz	256QAM	-599	mHz
MIDDLE	LTE 20 MHz	QPSK	280	mHz
MIDDLE	LTE 20 MHz	16QAM	1.062	Hz
MIDDLE	LTE 20 MHz	64QAM	-208	mHz
MIDDLE	LTE 20 MHz	256QAM	36	mHz
TOP	LTE 20 MHz	QPSK	-123	mHz
TOP	LTE 20 MHz	16QAM	-1.349	Hz
TOP	LTE 20 MHz	64QAM	47	mHz
TOP	LTE 20 MHz	256QAM	-1.317	Hz

RF PORT 2

Temperature = -30°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-1.324	Hz
BOTTOM	LTE 5 MHz	16QAM	438	mHz
BOTTOM	LTE 5 MHz	64QAM	680	mHz
BOTTOM	LTE 5 MHz	256QAM	-1.439	Hz
MIDDLE	LTE 5 MHz	QPSK	592	mHz
MIDDLE	LTE 5 MHz	16QAM	-1.466	Hz
MIDDLE	LTE 5 MHz	64QAM	-136	mHz
MIDDLE	LTE 5 MHz	256QAM	480	mHz
TOP	LTE 5 MHz	QPSK	-175	mHz
TOP	LTE 5 MHz	16QAM	-1.267	Hz
TOP	LTE 5 MHz	64QAM	-772	mHz
TOP	LTE 5 MHz	256QAM	-455	mHz
BOTTOM	LTE 10 MHz	QPSK	1.311	Hz
BOTTOM	LTE 10 MHz	16QAM	346	mHz
BOTTOM	LTE 10 MHz	64QAM	8	mHz
BOTTOM	LTE 10 MHz	256QAM	-871	mHz
MIDDLE	LTE 10 MHz	QPSK	-538	mHz
MIDDLE	LTE 10 MHz	16QAM	25	mHz
MIDDLE	LTE 10 MHz	64QAM	-1.162	Hz
MIDDLE	LTE 10 MHz	256QAM	1.469	Hz
TOP	LTE 10 MHz	QPSK	-496	mHz
TOP	LTE 10 MHz	16QAM	118	mHz
TOP	LTE 10 MHz	64QAM	406	mHz
TOP	LTE 10 MHz	256QAM	-454	mHz
BOTTOM	LTE 15 MHz	QPSK	-736	mHz
BOTTOM	LTE 15 MHz	16QAM	-232	mHz
BOTTOM	LTE 15 MHz	64QAM	-465	mHz
BOTTOM	LTE 15 MHz	256QAM	-1.123	Hz
MIDDLE	LTE 15 MHz	QPSK	357	mHz
MIDDLE	LTE 15 MHz	16QAM	-150	mHz
MIDDLE	LTE 15 MHz	64QAM	-721	mHz
MIDDLE	LTE 15 MHz	256QAM	928	mHz
TOP	LTE 15 MHz	QPSK	-980	mHz
TOP	LTE 15 MHz	16QAM	911	mHz
TOP	LTE 15 MHz	64QAM	-306	mHz
TOP	LTE 15 MHz	256QAM	347	mHz
BOTTOM	LTE 20 MHz	QPSK	-984	mHz
BOTTOM	LTE 20 MHz	16QAM	-828	mHz
BOTTOM	LTE 20 MHz	64QAM	115	mHz
BOTTOM	LTE 20 MHz	256QAM	237	mHz
MIDDLE	LTE 20 MHz	QPSK	683	mHz
MIDDLE	LTE 20 MHz	16QAM	-15	mHz
MIDDLE	LTE 20 MHz	64QAM	-981	mHz
MIDDLE	LTE 20 MHz	256QAM	-365	mHz
TOP	LTE 20 MHz	QPSK	-1.378	Hz
TOP	LTE 20 MHz	16QAM	-930	mHz
TOP	LTE 20 MHz	64QAM	1.32	Hz
TOP	LTE 20 MHz	256QAM	25	mHz

Temperature = -20°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-231	mHz
BOTTOM	LTE 5 MHz	16QAM	-810	mHz
BOTTOM	LTE 5 MHz	64QAM	1.084	Hz
BOTTOM	LTE 5 MHz	256QAM	97	mHz
MIDDLE	LTE 5 MHz	QPSK	841	mHz
MIDDLE	LTE 5 MHz	16QAM	-1.469	Hz
MIDDLE	LTE 5 MHz	64QAM	1.167	Hz
MIDDLE	LTE 5 MHz	256QAM	-100	mHz
TOP	LTE 5 MHz	QPSK	526	mHz
TOP	LTE 5 MHz	16QAM	-653	mHz
TOP	LTE 5 MHz	64QAM	609	mHz
TOP	LTE 5 MHz	256QAM	1.405	Hz
BOTTOM	LTE 10 MHz	QPSK	58	mHz
BOTTOM	LTE 10 MHz	16QAM	-265	mHz
BOTTOM	LTE 10 MHz	64QAM	423	mHz
BOTTOM	LTE 10 MHz	256QAM	870	mHz
MIDDLE	LTE 10 MHz	QPSK	-128	mHz
MIDDLE	LTE 10 MHz	16QAM	-1.273	Hz
MIDDLE	LTE 10 MHz	64QAM	-24	mHz
MIDDLE	LTE 10 MHz	256QAM	-348	mHz
TOP	LTE 10 MHz	QPSK	1.293	Hz
TOP	LTE 10 MHz	16QAM	-1.344	Hz
TOP	LTE 10 MHz	64QAM	294	mHz
TOP	LTE 10 MHz	256QAM	-1.019	Hz
BOTTOM	LTE 15 MHz	QPSK	642	mHz
BOTTOM	LTE 15 MHz	16QAM	-425	mHz
BOTTOM	LTE 15 MHz	64QAM	924	mHz
BOTTOM	LTE 15 MHz	256QAM	78	mHz
MIDDLE	LTE 15 MHz	QPSK	1.181	Hz
MIDDLE	LTE 15 MHz	16QAM	-714	mHz
MIDDLE	LTE 15 MHz	64QAM	1.35	Hz
MIDDLE	LTE 15 MHz	256QAM	426	mHz
TOP	LTE 15 MHz	QPSK	1.488	Hz
TOP	LTE 15 MHz	16QAM	605	mHz
TOP	LTE 15 MHz	64QAM	-454	mHz
TOP	LTE 15 MHz	256QAM	1.349	Hz
BOTTOM	LTE 20 MHz	QPSK	479	mHz
BOTTOM	LTE 20 MHz	16QAM	-758	mHz
BOTTOM	LTE 20 MHz	64QAM	551	mHz
BOTTOM	LTE 20 MHz	256QAM	539	mHz
MIDDLE	LTE 20 MHz	QPSK	-153	mHz
MIDDLE	LTE 20 MHz	16QAM	-455	mHz
MIDDLE	LTE 20 MHz	64QAM	-917	mHz
MIDDLE	LTE 20 MHz	256QAM	-355	mHz
TOP	LTE 20 MHz	QPSK	-720	mHz
TOP	LTE 20 MHz	16QAM	-554	mHz
TOP	LTE 20 MHz	64QAM	-1.078	Hz
TOP	LTE 20 MHz	256QAM	-697	mHz

Temperature = -10°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-140	mHz
BOTTOM	LTE 5 MHz	16QAM	712	mHz
BOTTOM	LTE 5 MHz	64QAM	-1.157	Hz
BOTTOM	LTE 5 MHz	256QAM	221	mHz
MIDDLE	LTE 5 MHz	QPSK	-163.16	mHz
MIDDLE	LTE 5 MHz	16QAM	358.28	mHz
MIDDLE	LTE 5 MHz	64QAM	1.1963	Hz
MIDDLE	LTE 5 MHz	256QAM	916.94	mHz
TOP	LTE 5 MHz	QPSK	-440	mHz
TOP	LTE 5 MHz	16QAM	-1.091	Hz
TOP	LTE 5 MHz	64QAM	1.081	Hz
TOP	LTE 5 MHz	256QAM	1.254	Hz
BOTTOM	LTE 10 MHz	QPSK	1.343	Hz
BOTTOM	LTE 10 MHz	16QAM	1.02	Hz
BOTTOM	LTE 10 MHz	64QAM	-892	mHz
BOTTOM	LTE 10 MHz	256QAM	35	mHz
MIDDLE	LTE 10 MHz	QPSK	1.6114	Hz
MIDDLE	LTE 10 MHz	16QAM	-608.27	mHz
MIDDLE	LTE 10 MHz	64QAM	-457.08	mHz
MIDDLE	LTE 10 MHz	256QAM	1.8393	Hz
TOP	LTE 10 MHz	QPSK	-100	mHz
TOP	LTE 10 MHz	16QAM	-440	mHz
TOP	LTE 10 MHz	64QAM	-4	mHz
TOP	LTE 10 MHz	256QAM	-336	mHz
BOTTOM	LTE 15 MHz	QPSK	-1.371	Hz
BOTTOM	LTE 15 MHz	16QAM	-864	mHz
BOTTOM	LTE 15 MHz	64QAM	-190	mHz
BOTTOM	LTE 15 MHz	256QAM	1.327	Hz
MIDDLE	LTE 15 MHz	QPSK	-80.522	mHz
MIDDLE	LTE 15 MHz	16QAM	844.67	mHz
MIDDLE	LTE 15 MHz	64QAM	318.33	mHz
MIDDLE	LTE 15 MHz	256QAM	727.13	mHz
TOP	LTE 15 MHz	QPSK	551	mHz
TOP	LTE 15 MHz	16QAM	1.018	Hz
TOP	LTE 15 MHz	64QAM	243	mHz
TOP	LTE 15 MHz	256QAM	-1.11	Hz
BOTTOM	LTE 20 MHz	QPSK	-484	mHz
BOTTOM	LTE 20 MHz	16QAM	-921	mHz
BOTTOM	LTE 20 MHz	64QAM	-42	mHz
BOTTOM	LTE 20 MHz	256QAM	1.268	Hz
MIDDLE	LTE 20 MHz	QPSK	-877.14	mHz
MIDDLE	LTE 20 MHz	16QAM	195.02	mHz
MIDDLE	LTE 20 MHz	64QAM	84.747	mHz
MIDDLE	LTE 20 MHz	256QAM	1.3597	Hz
TOP	LTE 20 MHz	QPSK	-879	mHz
TOP	LTE 20 MHz	16QAM	-185	mHz
TOP	LTE 20 MHz	64QAM	277	mHz
TOP	LTE 20 MHz	256QAM	-1.371	Hz

Temperature = 0°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	1.034	Hz
BOTTOM	LTE 5 MHz	16QAM	-1.332	Hz
BOTTOM	LTE 5 MHz	64QAM	938	mHz
BOTTOM	LTE 5 MHz	256QAM	652	mHz
MIDDLE	LTE 5 MHz	QPSK	1.313	Hz
MIDDLE	LTE 5 MHz	16QAM	231	mHz
MIDDLE	LTE 5 MHz	64QAM	297	mHz
MIDDLE	LTE 5 MHz	256QAM	311	mHz
TOP	LTE 5 MHz	QPSK	230	mHz
TOP	LTE 5 MHz	16QAM	891	mHz
TOP	LTE 5 MHz	64QAM	-1.106	Hz
TOP	LTE 5 MHz	256QAM	-974	mHz
BOTTOM	LTE 10 MHz	QPSK	1.376	Hz
BOTTOM	LTE 10 MHz	16QAM	1.171	Hz
BOTTOM	LTE 10 MHz	64QAM	-602	mHz
BOTTOM	LTE 10 MHz	256QAM	-747	mHz
MIDDLE	LTE 10 MHz	QPSK	1.272	Hz
MIDDLE	LTE 10 MHz	16QAM	1.298	Hz
MIDDLE	LTE 10 MHz	64QAM	1.188	Hz
MIDDLE	LTE 10 MHz	256QAM	-911	mHz
TOP	LTE 10 MHz	QPSK	557	mHz
TOP	LTE 10 MHz	16QAM	1.27	Hz
TOP	LTE 10 MHz	64QAM	154	mHz
TOP	LTE 10 MHz	256QAM	-840	mHz
BOTTOM	LTE 15 MHz	QPSK	310	mHz
BOTTOM	LTE 15 MHz	16QAM	-262	mHz
BOTTOM	LTE 15 MHz	64QAM	-682	mHz
BOTTOM	LTE 15 MHz	256QAM	-1.437	Hz
MIDDLE	LTE 15 MHz	QPSK	-505	mHz
MIDDLE	LTE 15 MHz	16QAM	-822	mHz
MIDDLE	LTE 15 MHz	64QAM	-595	mHz
MIDDLE	LTE 15 MHz	256QAM	-9	mHz
TOP	LTE 15 MHz	QPSK	-1.461	Hz
TOP	LTE 15 MHz	16QAM	-455	mHz
TOP	LTE 15 MHz	64QAM	197	mHz
TOP	LTE 15 MHz	256QAM	385	mHz
BOTTOM	LTE 20 MHz	QPSK	1.095	Hz
BOTTOM	LTE 20 MHz	16QAM	-1.143	Hz
BOTTOM	LTE 20 MHz	64QAM	-1.476	Hz
BOTTOM	LTE 20 MHz	256QAM	1.409	Hz
MIDDLE	LTE 20 MHz	QPSK	686	mHz
MIDDLE	LTE 20 MHz	16QAM	515	mHz
MIDDLE	LTE 20 MHz	64QAM	1.298	Hz
MIDDLE	LTE 20 MHz	256QAM	715	mHz
TOP	LTE 20 MHz	QPSK	-223	mHz
TOP	LTE 20 MHz	16QAM	-601	mHz
TOP	LTE 20 MHz	64QAM	382	mHz
TOP	LTE 20 MHz	256QAM	1.162	Hz

Temperature = 10°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	758	mHz
BOTTOM	LTE 5 MHz	16QAM	-574	mHz
BOTTOM	LTE 5 MHz	64QAM	-525	mHz
BOTTOM	LTE 5 MHz	256QAM	1.132	Hz
MIDDLE	LTE 5 MHz	QPSK	650	mHz
MIDDLE	LTE 5 MHz	16QAM	-1.111	Hz
MIDDLE	LTE 5 MHz	64QAM	-575	mHz
MIDDLE	LTE 5 MHz	256QAM	-832	mHz
TOP	LTE 5 MHz	QPSK	933	mHz
TOP	LTE 5 MHz	16QAM	1.352	Hz
TOP	LTE 5 MHz	64QAM	-501	mHz
TOP	LTE 5 MHz	256QAM	307	mHz
BOTTOM	LTE 10 MHz	QPSK	-1.234	Hz
BOTTOM	LTE 10 MHz	16QAM	1.007	Hz
BOTTOM	LTE 10 MHz	64QAM	-12	mHz
BOTTOM	LTE 10 MHz	256QAM	-732	mHz
MIDDLE	LTE 10 MHz	QPSK	1.205	Hz
MIDDLE	LTE 10 MHz	16QAM	-869	mHz
MIDDLE	LTE 10 MHz	64QAM	-740	mHz
MIDDLE	LTE 10 MHz	256QAM	1.095	Hz
TOP	LTE 10 MHz	QPSK	428	mHz
TOP	LTE 10 MHz	16QAM	-1.137	Hz
TOP	LTE 10 MHz	64QAM	-1.143	Hz
TOP	LTE 10 MHz	256QAM	-82	mHz
BOTTOM	LTE 15 MHz	QPSK	153	mHz
BOTTOM	LTE 15 MHz	16QAM	-740	mHz
BOTTOM	LTE 15 MHz	64QAM	-470	mHz
BOTTOM	LTE 15 MHz	256QAM	-210	mHz
MIDDLE	LTE 15 MHz	QPSK	-457	mHz
MIDDLE	LTE 15 MHz	16QAM	671	mHz
MIDDLE	LTE 15 MHz	64QAM	641	mHz
MIDDLE	LTE 15 MHz	256QAM	306	mHz
TOP	LTE 15 MHz	QPSK	1.385	Hz
TOP	LTE 15 MHz	16QAM	1.086	Hz
TOP	LTE 15 MHz	64QAM	-153	mHz
TOP	LTE 15 MHz	256QAM	-1.227	Hz
BOTTOM	LTE 20 MHz	QPSK	-1.154	Hz
BOTTOM	LTE 20 MHz	16QAM	836	mHz
BOTTOM	LTE 20 MHz	64QAM	-500	mHz
BOTTOM	LTE 20 MHz	256QAM	-300	mHz
MIDDLE	LTE 20 MHz	QPSK	1.109	Hz
MIDDLE	LTE 20 MHz	16QAM	1.268	Hz
MIDDLE	LTE 20 MHz	64QAM	845	mHz
MIDDLE	LTE 20 MHz	256QAM	28	mHz
TOP	LTE 20 MHz	QPSK	-112	mHz
TOP	LTE 20 MHz	16QAM	-657	mHz
TOP	LTE 20 MHz	64QAM	-1.439	Hz
TOP	LTE 20 MHz	256QAM	354	mHz

Temperature = 20°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	433.7	mHz
BOTTOM	LTE 5 MHz	16QAM	-437.56	mHz
BOTTOM	LTE 5 MHz	64QAM	374.54	mHz
BOTTOM	LTE 5 MHz	256QAM	751.4	mHz
MIDDLE	LTE 5 MHz	QPSK	304.09	mHz
MIDDLE	LTE 5 MHz	16QAM	561.36	mHz
MIDDLE	LTE 5 MHz	64QAM	-891.31	mHz
MIDDLE	LTE 5 MHz	256QAM	-593.51	mHz
TOP	LTE 5 MHz	QPSK	-822.86	mHz
TOP	LTE 5 MHz	16QAM	-454.02	mHz
TOP	LTE 5 MHz	64QAM	-386.73	mHz
TOP	LTE 5 MHz	256QAM	256.2	mHz
BOTTOM	LTE 10 MHz	QPSK	-281.28	mHz
BOTTOM	LTE 10 MHz	16QAM	-917.51	mHz
BOTTOM	LTE 10 MHz	64QAM	-279.98	mHz
BOTTOM	LTE 10 MHz	256QAM	10.621	mHz
MIDDLE	LTE 10 MHz	QPSK	-902.54	mHz
MIDDLE	LTE 10 MHz	16QAM	-832.57	mHz
MIDDLE	LTE 10 MHz	64QAM	289.03	mHz
MIDDLE	LTE 10 MHz	256QAM	-459.11	mHz
TOP	LTE 10 MHz	QPSK	506.66	mHz
TOP	LTE 10 MHz	16QAM	-551.81	mHz
TOP	LTE 10 MHz	64QAM	225.31	mHz
TOP	LTE 10 MHz	256QAM	734.93	mHz
BOTTOM	LTE 15 MHz	QPSK	123.23	mHz
BOTTOM	LTE 15 MHz	16QAM	-731.56	mHz
BOTTOM	LTE 15 MHz	64QAM	-958.88	mHz
BOTTOM	LTE 15 MHz	256QAM	-594.92	mHz
MIDDLE	LTE 15 MHz	QPSK	-286.78	mHz
MIDDLE	LTE 15 MHz	16QAM	58.895	mHz
MIDDLE	LTE 15 MHz	64QAM	48.689	mHz
MIDDLE	LTE 15 MHz	256QAM	478.82	mHz
TOP	LTE 15 MHz	QPSK	-11.506	mHz
TOP	LTE 15 MHz	16QAM	85.995	mHz
TOP	LTE 15 MHz	64QAM	567.47	mHz
TOP	LTE 15 MHz	256QAM	958.64	mHz
BOTTOM	LTE 20 MHz	QPSK	478.43	mHz
BOTTOM	LTE 20 MHz	16QAM	-572.57	mHz
BOTTOM	LTE 20 MHz	64QAM	162.57	mHz
BOTTOM	LTE 20 MHz	256QAM	-65.985	mHz
MIDDLE	LTE 20 MHz	QPSK	-277.95	mHz
MIDDLE	LTE 20 MHz	16QAM	239.13	mHz
MIDDLE	LTE 20 MHz	64QAM	-732.31	mHz
MIDDLE	LTE 20 MHz	256QAM	480.66	mHz
TOP	LTE 20 MHz	QPSK	3.3501	mHz
TOP	LTE 20 MHz	16QAM	92.686	mHz
TOP	LTE 20 MHz	64QAM	249.25	mHz
TOP	LTE 20 MHz	256QAM	-59.674	mHz

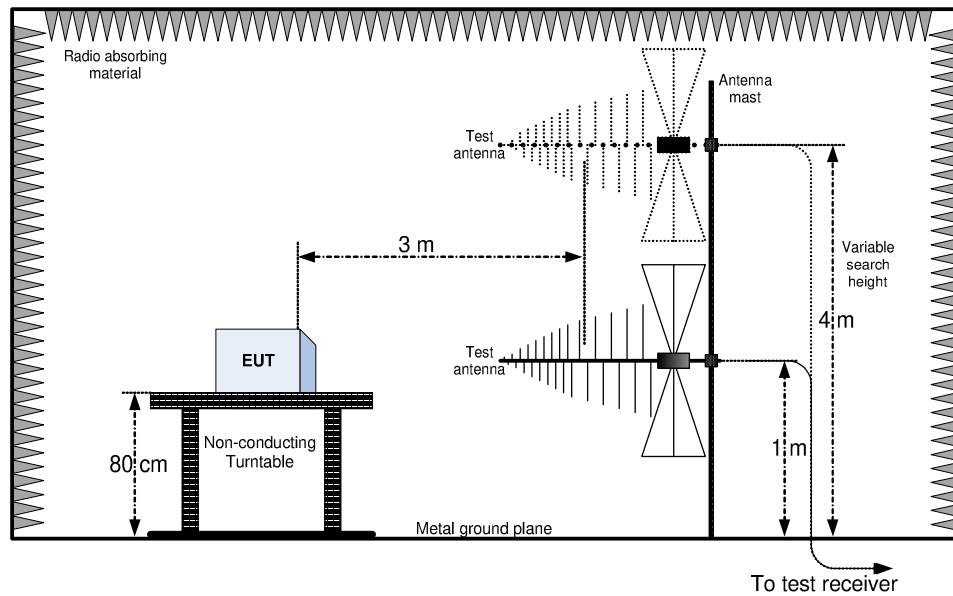
Temperature = 30°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-281	mHz
BOTTOM	LTE 5 MHz	16QAM	-685	mHz
BOTTOM	LTE 5 MHz	64QAM	-1.462	Hz
BOTTOM	LTE 5 MHz	256QAM	1.326	Hz
MIDDLE	LTE 5 MHz	QPSK	-217.96	mHz
MIDDLE	LTE 5 MHz	16QAM	-181.03	mHz
MIDDLE	LTE 5 MHz	64QAM	-805.47	mHz
MIDDLE	LTE 5 MHz	256QAM	495.49	mHz
TOP	LTE 5 MHz	QPSK	-282	mHz
TOP	LTE 5 MHz	16QAM	1.179	Hz
TOP	LTE 5 MHz	64QAM	1.401	Hz
TOP	LTE 5 MHz	256QAM	491	mHz
BOTTOM	LTE 10 MHz	QPSK	-1.26	Hz
BOTTOM	LTE 10 MHz	16QAM	-1.406	Hz
BOTTOM	LTE 10 MHz	64QAM	-743	mHz
BOTTOM	LTE 10 MHz	256QAM	-632	mHz
MIDDLE	LTE 10 MHz	QPSK	927.96	mHz
MIDDLE	LTE 10 MHz	16QAM	-535.23	mHz
MIDDLE	LTE 10 MHz	64QAM	712.69	mHz
MIDDLE	LTE 10 MHz	256QAM	969.69	mHz
TOP	LTE 10 MHz	QPSK	-342	mHz
TOP	LTE 10 MHz	16QAM	1.099	Hz
TOP	LTE 10 MHz	64QAM	824	mHz
TOP	LTE 10 MHz	256QAM	163	mHz
BOTTOM	LTE 15 MHz	QPSK	102	mHz
BOTTOM	LTE 15 MHz	16QAM	-850	mHz
BOTTOM	LTE 15 MHz	64QAM	-621	mHz
BOTTOM	LTE 15 MHz	256QAM	-759	mHz
MIDDLE	LTE 15 MHz	QPSK	-627.17	mHz
MIDDLE	LTE 15 MHz	16QAM	436.5	mHz
MIDDLE	LTE 15 MHz	64QAM	649.44	mHz
MIDDLE	LTE 15 MHz	256QAM	290.19	mHz
TOP	LTE 15 MHz	QPSK	78	mHz
TOP	LTE 15 MHz	16QAM	-775	mHz
TOP	LTE 15 MHz	64QAM	-1.11	Hz
TOP	LTE 15 MHz	256QAM	233	mHz
BOTTOM	LTE 20 MHz	QPSK	-137	mHz
BOTTOM	LTE 20 MHz	16QAM	-376	mHz
BOTTOM	LTE 20 MHz	64QAM	-512	mHz
BOTTOM	LTE 20 MHz	256QAM	90	mHz
MIDDLE	LTE 20 MHz	QPSK	21.788	mHz
MIDDLE	LTE 20 MHz	16QAM	-930.32	mHz
MIDDLE	LTE 20 MHz	64QAM	435.36	mHz
MIDDLE	LTE 20 MHz	256QAM	-19.418	mHz
TOP	LTE 20 MHz	QPSK	-1.493	Hz
TOP	LTE 20 MHz	16QAM	1.337	Hz
TOP	LTE 20 MHz	64QAM	208	mHz
TOP	LTE 20 MHz	256QAM	-656	mHz

Temperature = 40°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	552	mHz
BOTTOM	LTE 5 MHz	16QAM	860	mHz
BOTTOM	LTE 5 MHz	64QAM	-657	mHz
BOTTOM	LTE 5 MHz	256QAM	729	mHz
MIDDLE	LTE 5 MHz	QPSK	610.82	mHz
MIDDLE	LTE 5 MHz	16QAM	-54.883	mHz
MIDDLE	LTE 5 MHz	64QAM	642.28	mHz
MIDDLE	LTE 5 MHz	256QAM	459.3	mHz
TOP	LTE 5 MHz	QPSK	450	mHz
TOP	LTE 5 MHz	16QAM	1.235	Hz
TOP	LTE 5 MHz	64QAM	-216	mHz
TOP	LTE 5 MHz	256QAM	-489	mHz
BOTTOM	LTE 10 MHz	QPSK	-198	mHz
BOTTOM	LTE 10 MHz	16QAM	-876	mHz
BOTTOM	LTE 10 MHz	64QAM	507	mHz
BOTTOM	LTE 10 MHz	256QAM	1.248	Hz
MIDDLE	LTE 10 MHz	QPSK	490.7	mHz
MIDDLE	LTE 10 MHz	16QAM	10.885	mHz
MIDDLE	LTE 10 MHz	64QAM	-1.3808	Hz
MIDDLE	LTE 10 MHz	256QAM	-237.86	mHz
TOP	LTE 10 MHz	QPSK	-595	mHz
TOP	LTE 10 MHz	16QAM	-320	mHz
TOP	LTE 10 MHz	64QAM	-378	mHz
TOP	LTE 10 MHz	256QAM	1.383	Hz
BOTTOM	LTE 15 MHz	QPSK	-1.128	Hz
BOTTOM	LTE 15 MHz	16QAM	-91	mHz
BOTTOM	LTE 15 MHz	64QAM	1.29	Hz
BOTTOM	LTE 15 MHz	256QAM	-1.245	Hz
MIDDLE	LTE 15 MHz	QPSK	592.33	mHz
MIDDLE	LTE 15 MHz	16QAM	-927.98	mHz
MIDDLE	LTE 15 MHz	64QAM	-1.898	Hz
MIDDLE	LTE 15 MHz	256QAM	-240.31	mHz
TOP	LTE 15 MHz	QPSK	-993	mHz
TOP	LTE 15 MHz	16QAM	1.373	Hz
TOP	LTE 15 MHz	64QAM	-332	mHz
TOP	LTE 15 MHz	256QAM	883	mHz
BOTTOM	LTE 20 MHz	QPSK	1.258	Hz
BOTTOM	LTE 20 MHz	16QAM	815	mHz
BOTTOM	LTE 20 MHz	64QAM	474	mHz
BOTTOM	LTE 20 MHz	256QAM	-206	mHz
MIDDLE	LTE 20 MHz	QPSK	247.97	mHz
MIDDLE	LTE 20 MHz	16QAM	-258.19	mHz
MIDDLE	LTE 20 MHz	64QAM	61.752	mHz
MIDDLE	LTE 20 MHz	256QAM	-82.989	mHz
TOP	LTE 20 MHz	QPSK	-967	mHz
TOP	LTE 20 MHz	16QAM	1.186	Hz
TOP	LTE 20 MHz	64QAM	-1.304	Hz
TOP	LTE 20 MHz	256QAM	-1.239	Hz

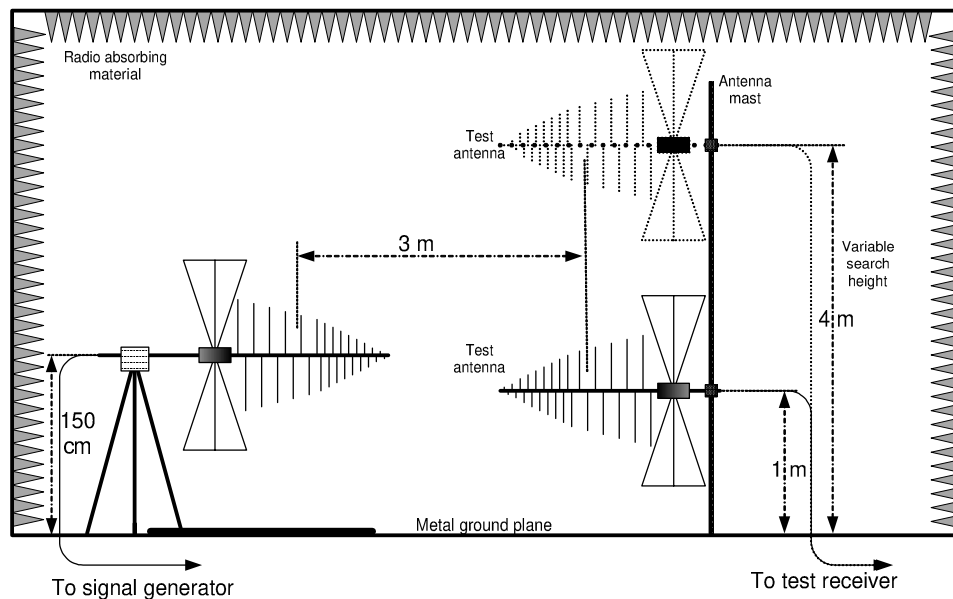
Temperature = 50°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-231	mHz
BOTTOM	LTE 5 MHz	16QAM	170	mHz
BOTTOM	LTE 5 MHz	64QAM	142	mHz
BOTTOM	LTE 5 MHz	256QAM	157	mHz
MIDDLE	LTE 5 MHz	QPSK	-101	mHz
MIDDLE	LTE 5 MHz	16QAM	305	mHz
MIDDLE	LTE 5 MHz	64QAM	-70	mHz
MIDDLE	LTE 5 MHz	256QAM	1.026	Hz
TOP	LTE 5 MHz	QPSK	353	mHz
TOP	LTE 5 MHz	16QAM	1.145	Hz
TOP	LTE 5 MHz	64QAM	-751	mHz
TOP	LTE 5 MHz	256QAM	-1.288	Hz
BOTTOM	LTE 10 MHz	QPSK	531	mHz
BOTTOM	LTE 10 MHz	16QAM	-1.278	Hz
BOTTOM	LTE 10 MHz	64QAM	621	mHz
BOTTOM	LTE 10 MHz	256QAM	-497	mHz
MIDDLE	LTE 10 MHz	QPSK	81	mHz
MIDDLE	LTE 10 MHz	16QAM	-115	mHz
MIDDLE	LTE 10 MHz	64QAM	-400	mHz
MIDDLE	LTE 10 MHz	256QAM	-251	mHz
TOP	LTE 10 MHz	QPSK	-1.12	Hz
TOP	LTE 10 MHz	16QAM	-504	mHz
TOP	LTE 10 MHz	64QAM	51	mHz
TOP	LTE 10 MHz	256QAM	731	mHz
BOTTOM	LTE 15 MHz	QPSK	-761	mHz
BOTTOM	LTE 15 MHz	16QAM	1.426	Hz
BOTTOM	LTE 15 MHz	64QAM	-315	mHz
BOTTOM	LTE 15 MHz	256QAM	293	mHz
MIDDLE	LTE 15 MHz	QPSK	-578	mHz
MIDDLE	LTE 15 MHz	16QAM	1.431	Hz
MIDDLE	LTE 15 MHz	64QAM	1.405	Hz
MIDDLE	LTE 15 MHz	256QAM	-520	mHz
TOP	LTE 15 MHz	QPSK	546	mHz
TOP	LTE 15 MHz	16QAM	-1.027	Hz
TOP	LTE 15 MHz	64QAM	-1.367	Hz
TOP	LTE 15 MHz	256QAM	454	mHz
BOTTOM	LTE 20 MHz	QPSK	392	mHz
BOTTOM	LTE 20 MHz	16QAM	1.34	Hz
BOTTOM	LTE 20 MHz	64QAM	905	mHz
BOTTOM	LTE 20 MHz	256QAM	-870	mHz
MIDDLE	LTE 20 MHz	QPSK	58	mHz
MIDDLE	LTE 20 MHz	16QAM	954	mHz
MIDDLE	LTE 20 MHz	64QAM	1.496	Hz
MIDDLE	LTE 20 MHz	256QAM	-1.299	Hz
TOP	LTE 20 MHz	QPSK	188	mHz
TOP	LTE 20 MHz	16QAM	743	mHz
TOP	LTE 20 MHz	64QAM	-633	mHz
TOP	LTE 20 MHz	256QAM	972	mHz

Appendix B: Block diagrams of test set-ups

Radiated emissions set-up



Substitution method set-up



Appendix C: EUT Photos

Photo Set up



Photo EUT





END OF REPORT