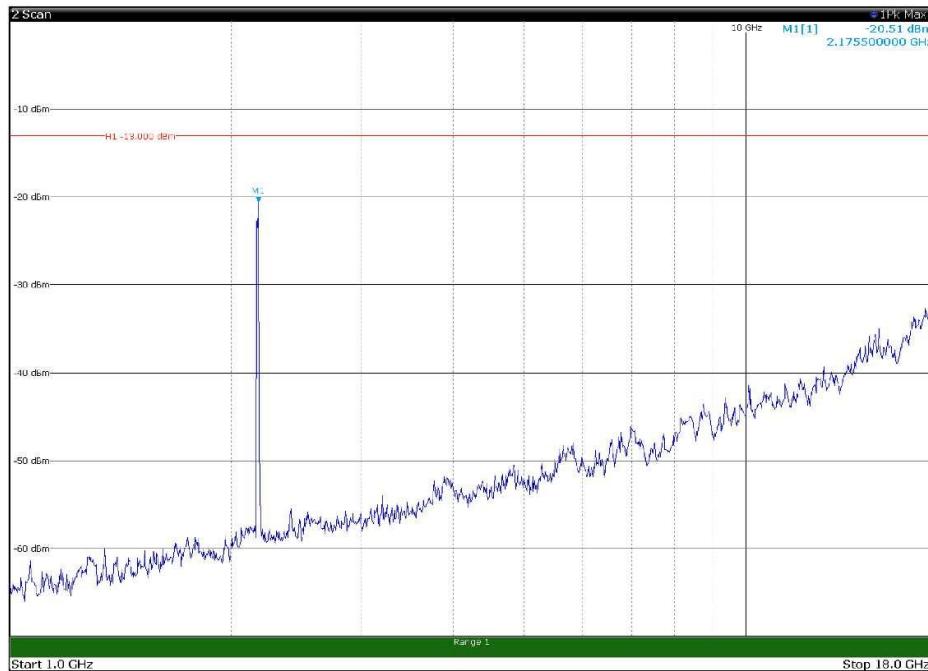
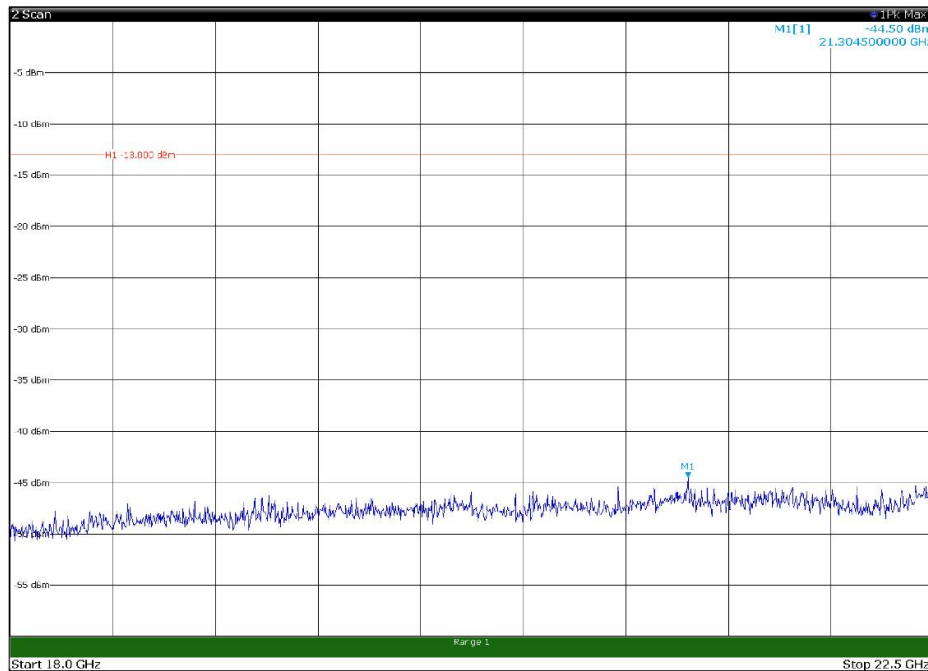
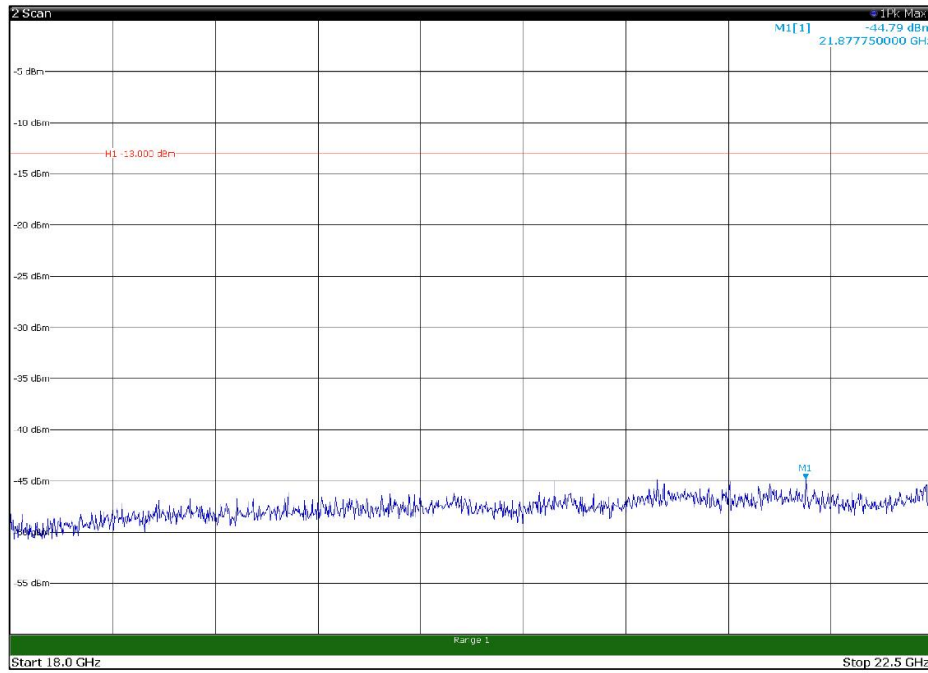


Channel: TOP, Modulation: 256QAM,
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



Channel: TOP, Modulation: 256QAM,
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical



Clause 27.54 Frequency stability

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

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 = -30°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-47.653	mHz
BOTTOM	LTE 5 MHz	16QAM	-793.84	mHz
BOTTOM	LTE 5 MHz	64QAM	361.52	mHz
BOTTOM	LTE 5 MHz	256QAM	-999.92	mHz
MIDDLE	LTE 5 MHz	QPSK	-460.83	mHz
MIDDLE	LTE 5 MHz	16QAM	521.44	mHz
MIDDLE	LTE 5 MHz	64QAM	-790.59	mHz
MIDDLE	LTE 5 MHz	256QAM	-293.77	mHz
TOP	LTE 5 MHz	QPSK	-593.98	mHz
TOP	LTE 5 MHz	16QAM	-378.43	mHz
TOP	LTE 5 MHz	64QAM	839.52	mHz
TOP	LTE 5 MHz	256QAM	-470.08	mHz
BOTTOM	LTE 10 MHz	QPSK	883.82	mHz
BOTTOM	LTE 10 MHz	16QAM	889.85	mHz
BOTTOM	LTE 10 MHz	64QAM	847.37	mHz
BOTTOM	LTE 10 MHz	256QAM	-179.56	mHz
MIDDLE	LTE 10 MHz	QPSK	806.8	mHz
MIDDLE	LTE 10 MHz	16QAM	831.97	mHz
MIDDLE	LTE 10 MHz	64QAM	-403.06	mHz
MIDDLE	LTE 10 MHz	256QAM	-1.0478	Hz
TOP	LTE 10 MHz	QPSK	-52.112	mHz
TOP	LTE 10 MHz	16QAM	-694.71	mHz
TOP	LTE 10 MHz	64QAM	878.67	mHz
TOP	LTE 10 MHz	256QAM	-114.76	mHz
BOTTOM	LTE 15 MHz	QPSK	-132.58	mHz
BOTTOM	LTE 15 MHz	16QAM	-423.52	mHz
BOTTOM	LTE 15 MHz	64QAM	1.0369	Hz
BOTTOM	LTE 15 MHz	256QAM	11.753	mHz
MIDDLE	LTE 15 MHz	QPSK	-528.17	mHz
MIDDLE	LTE 15 MHz	16QAM	-619.21	mHz
MIDDLE	LTE 15 MHz	64QAM	-177.35	mHz
MIDDLE	LTE 15 MHz	256QAM	-402.78	mHz
TOP	LTE 15 MHz	QPSK	-325.43	mHz
TOP	LTE 15 MHz	16QAM	-437	mHz
TOP	LTE 15 MHz	64QAM	936.44	mHz
TOP	LTE 15 MHz	256QAM	-469.16	mHz
BOTTOM	LTE 20 MHz	QPSK	-866.32	mHz
BOTTOM	LTE 20 MHz	16QAM	-323.6	mHz
BOTTOM	LTE 20 MHz	64QAM	392.57	mHz
BOTTOM	LTE 20 MHz	256QAM	600.13	mHz
MIDDLE	LTE 20 MHz	QPSK	923.58	mHz
MIDDLE	LTE 20 MHz	16QAM	456.67	mHz
MIDDLE	LTE 20 MHz	64QAM	-1.0664	Hz
MIDDLE	LTE 20 MHz	256QAM	57.007	mHz
TOP	LTE 20 MHz	QPSK	207.58	mHz
TOP	LTE 20 MHz	16QAM	2.4896	Hz
TOP	LTE 20 MHz	64QAM	592.11	mHz
TOP	LTE 20 MHz	256QAM	427.82	mHz

Temperature = -20°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-481	mHz
BOTTOM	LTE 5 MHz	16QAM	1.314	Hz
BOTTOM	LTE 5 MHz	64QAM	-349	mHz
BOTTOM	LTE 5 MHz	256QAM	-442	mHz
MIDDLE	LTE 5 MHz	QPSK	-553	mHz
MIDDLE	LTE 5 MHz	16QAM	608	mHz
MIDDLE	LTE 5 MHz	64QAM	-142	mHz
MIDDLE	LTE 5 MHz	256QAM	310	mHz
TOP	LTE 5 MHz	QPSK	-220	mHz
TOP	LTE 5 MHz	16QAM	-1.465	Hz
TOP	LTE 5 MHz	64QAM	-286	mHz
TOP	LTE 5 MHz	256QAM	-566	mHz
BOTTOM	LTE 10 MHz	QPSK	-368	mHz
BOTTOM	LTE 10 MHz	16QAM	666	mHz
BOTTOM	LTE 10 MHz	64QAM	-529	mHz
BOTTOM	LTE 10 MHz	256QAM	1.476	Hz
MIDDLE	LTE 10 MHz	QPSK	-831	mHz
MIDDLE	LTE 10 MHz	16QAM	1.345	Hz
MIDDLE	LTE 10 MHz	64QAM	-1.443	Hz
MIDDLE	LTE 10 MHz	256QAM	420	mHz
TOP	LTE 10 MHz	QPSK	945	mHz
TOP	LTE 10 MHz	16QAM	-1.261	Hz
TOP	LTE 10 MHz	64QAM	536	mHz
TOP	LTE 10 MHz	256QAM	-1.174	Hz
BOTTOM	LTE 15 MHz	QPSK	-1.319	Hz
BOTTOM	LTE 15 MHz	16QAM	465	mHz
BOTTOM	LTE 15 MHz	64QAM	543	mHz
BOTTOM	LTE 15 MHz	256QAM	-1.348	Hz
MIDDLE	LTE 15 MHz	QPSK	1.117	Hz
MIDDLE	LTE 15 MHz	16QAM	147	mHz
MIDDLE	LTE 15 MHz	64QAM	-1.06	Hz
MIDDLE	LTE 15 MHz	256QAM	-522	mHz
TOP	LTE 15 MHz	QPSK	-320	mHz
TOP	LTE 15 MHz	16QAM	-875	mHz
TOP	LTE 15 MHz	64QAM	-1.12	Hz
TOP	LTE 15 MHz	256QAM	381	mHz
BOTTOM	LTE 20 MHz	QPSK	-440	mHz
BOTTOM	LTE 20 MHz	16QAM	918	mHz
BOTTOM	LTE 20 MHz	64QAM	-961	mHz
BOTTOM	LTE 20 MHz	256QAM	-852	mHz
MIDDLE	LTE 20 MHz	QPSK	940	mHz
MIDDLE	LTE 20 MHz	16QAM	-726	mHz
MIDDLE	LTE 20 MHz	64QAM	-1.179	Hz
MIDDLE	LTE 20 MHz	256QAM	378	mHz
TOP	LTE 20 MHz	QPSK	1.072	Hz
TOP	LTE 20 MHz	16QAM	819	mHz
TOP	LTE 20 MHz	64QAM	1.436	Hz
TOP	LTE 20 MHz	256QAM	-335	mHz

Temperature = -10°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-117	mHz
BOTTOM	LTE 5 MHz	16QAM	-782	mHz
BOTTOM	LTE 5 MHz	64QAM	324	mHz
BOTTOM	LTE 5 MHz	256QAM	1.141	Hz
MIDDLE	LTE 5 MHz	QPSK	915	mHz
MIDDLE	LTE 5 MHz	16QAM	-1.205	Hz
MIDDLE	LTE 5 MHz	64QAM	962	mHz
MIDDLE	LTE 5 MHz	256QAM	-1.058	Hz
TOP	LTE 5 MHz	QPSK	864	mHz
TOP	LTE 5 MHz	16QAM	1.259	Hz
TOP	LTE 5 MHz	64QAM	-1.022	Hz
TOP	LTE 5 MHz	256QAM	1.332	Hz
BOTTOM	LTE 10 MHz	QPSK	-1.443	Hz
BOTTOM	LTE 10 MHz	16QAM	1.173	Hz
BOTTOM	LTE 10 MHz	64QAM	904	mHz
BOTTOM	LTE 10 MHz	256QAM	1.326	Hz
MIDDLE	LTE 10 MHz	QPSK	1.289	Hz
MIDDLE	LTE 10 MHz	16QAM	-1.238	Hz
MIDDLE	LTE 10 MHz	64QAM	1.143	Hz
MIDDLE	LTE 10 MHz	256QAM	-471	mHz
TOP	LTE 10 MHz	QPSK	-42	mHz
TOP	LTE 10 MHz	16QAM	160	mHz
TOP	LTE 10 MHz	64QAM	939	mHz
TOP	LTE 10 MHz	256QAM	439	mHz
BOTTOM	LTE 15 MHz	QPSK	-156	mHz
BOTTOM	LTE 15 MHz	16QAM	2	mHz
BOTTOM	LTE 15 MHz	64QAM	-1.199	Hz
BOTTOM	LTE 15 MHz	256QAM	-834	mHz
MIDDLE	LTE 15 MHz	QPSK	-383	mHz
MIDDLE	LTE 15 MHz	16QAM	1.029	Hz
MIDDLE	LTE 15 MHz	64QAM	-674	mHz
MIDDLE	LTE 15 MHz	256QAM	-126	mHz
TOP	LTE 15 MHz	QPSK	1.391	Hz
TOP	LTE 15 MHz	16QAM	61	mHz
TOP	LTE 15 MHz	64QAM	-338	mHz
TOP	LTE 15 MHz	256QAM	-713	mHz
BOTTOM	LTE 20 MHz	QPSK	270	mHz
BOTTOM	LTE 20 MHz	16QAM	252	mHz
BOTTOM	LTE 20 MHz	64QAM	-1.16	Hz
BOTTOM	LTE 20 MHz	256QAM	428	mHz
MIDDLE	LTE 20 MHz	QPSK	439	mHz
MIDDLE	LTE 20 MHz	16QAM	268	mHz
MIDDLE	LTE 20 MHz	64QAM	702	mHz
MIDDLE	LTE 20 MHz	256QAM	15	mHz
TOP	LTE 20 MHz	QPSK	-1.278	Hz
TOP	LTE 20 MHz	16QAM	-929	mHz
TOP	LTE 20 MHz	64QAM	472	mHz
TOP	LTE 20 MHz	256QAM	1.404	Hz

Temperature = 0°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	1.166	Hz
BOTTOM	LTE 5 MHz	16QAM	-634	mHz
BOTTOM	LTE 5 MHz	64QAM	-1.002	Hz
BOTTOM	LTE 5 MHz	256QAM	-1.139	Hz
MIDDLE	LTE 5 MHz	QPSK	293.21	mHz
MIDDLE	LTE 5 MHz	16QAM	-355.95	mHz
MIDDLE	LTE 5 MHz	64QAM	478.73	mHz
MIDDLE	LTE 5 MHz	256QAM	597.73	mHz
TOP	LTE 5 MHz	QPSK	-378	mHz
TOP	LTE 5 MHz	16QAM	3	mHz
TOP	LTE 5 MHz	64QAM	-1.379	Hz
TOP	LTE 5 MHz	256QAM	780	mHz
BOTTOM	LTE 10 MHz	QPSK	676	mHz
BOTTOM	LTE 10 MHz	16QAM	-1.217	Hz
BOTTOM	LTE 10 MHz	64QAM	1.455	Hz
BOTTOM	LTE 10 MHz	256QAM	1.422	Hz
MIDDLE	LTE 10 MHz	QPSK	-876.87	mHz
MIDDLE	LTE 10 MHz	16QAM	-701.15	mHz
MIDDLE	LTE 10 MHz	64QAM	967.81	mHz
MIDDLE	LTE 10 MHz	256QAM	326.71	mHz
TOP	LTE 10 MHz	QPSK	-476	mHz
TOP	LTE 10 MHz	16QAM	-971	mHz
TOP	LTE 10 MHz	64QAM	597	mHz
TOP	LTE 10 MHz	256QAM	-1.237	Hz
BOTTOM	LTE 15 MHz	QPSK	1.091	Hz
BOTTOM	LTE 15 MHz	16QAM	524	mHz
BOTTOM	LTE 15 MHz	64QAM	762	mHz
BOTTOM	LTE 15 MHz	256QAM	707	mHz
MIDDLE	LTE 15 MHz	QPSK	-2.4984	Hz
MIDDLE	LTE 15 MHz	16QAM	-888.4	mHz
MIDDLE	LTE 15 MHz	64QAM	175.83	mHz
MIDDLE	LTE 15 MHz	256QAM	-511.03	mHz
TOP	LTE 15 MHz	QPSK	-277	mHz
TOP	LTE 15 MHz	16QAM	-801	mHz
TOP	LTE 15 MHz	64QAM	604	mHz
TOP	LTE 15 MHz	256QAM	969	mHz
BOTTOM	LTE 20 MHz	QPSK	-718	mHz
BOTTOM	LTE 20 MHz	16QAM	203	mHz
BOTTOM	LTE 20 MHz	64QAM	673	mHz
BOTTOM	LTE 20 MHz	256QAM	-1.184	Hz
MIDDLE	LTE 20 MHz	QPSK	-75.802	mHz
MIDDLE	LTE 20 MHz	16QAM	-551.44	mHz
MIDDLE	LTE 20 MHz	64QAM	-425.01	mHz
MIDDLE	LTE 20 MHz	256QAM	73.927	mHz
TOP	LTE 20 MHz	QPSK	-554	mHz
TOP	LTE 20 MHz	16QAM	-1.087	Hz
TOP	LTE 20 MHz	64QAM	392	mHz
TOP	LTE 20 MHz	256QAM	13	mHz

Temperature = 10°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-504	mHz
BOTTOM	LTE 5 MHz	16QAM	-472	mHz
BOTTOM	LTE 5 MHz	64QAM	751	mHz
BOTTOM	LTE 5 MHz	256QAM	941	mHz
MIDDLE	LTE 5 MHz	QPSK	-989	mHz
MIDDLE	LTE 5 MHz	16QAM	-274	mHz
MIDDLE	LTE 5 MHz	64QAM	-1.147	Hz
MIDDLE	LTE 5 MHz	256QAM	-36	mHz
TOP	LTE 5 MHz	QPSK	-47	mHz
TOP	LTE 5 MHz	16QAM	-179	mHz
TOP	LTE 5 MHz	64QAM	1.263	Hz
TOP	LTE 5 MHz	256QAM	-1.235	Hz
BOTTOM	LTE 10 MHz	QPSK	1.099	Hz
BOTTOM	LTE 10 MHz	16QAM	-252	mHz
BOTTOM	LTE 10 MHz	64QAM	470	mHz
BOTTOM	LTE 10 MHz	256QAM	-1.322	Hz
MIDDLE	LTE 10 MHz	QPSK	1.075	Hz
MIDDLE	LTE 10 MHz	16QAM	464	mHz
MIDDLE	LTE 10 MHz	64QAM	565	mHz
MIDDLE	LTE 10 MHz	256QAM	-918	mHz
TOP	LTE 10 MHz	QPSK	-138	mHz
TOP	LTE 10 MHz	16QAM	281	mHz
TOP	LTE 10 MHz	64QAM	-826	mHz
TOP	LTE 10 MHz	256QAM	876	mHz
BOTTOM	LTE 15 MHz	QPSK	-599	mHz
BOTTOM	LTE 15 MHz	16QAM	458	mHz
BOTTOM	LTE 15 MHz	64QAM	-478	mHz
BOTTOM	LTE 15 MHz	256QAM	-1.193	Hz
MIDDLE	LTE 15 MHz	QPSK	1.262	Hz
MIDDLE	LTE 15 MHz	16QAM	311	mHz
MIDDLE	LTE 15 MHz	64QAM	-447	mHz
MIDDLE	LTE 15 MHz	256QAM	-1.072	Hz
TOP	LTE 15 MHz	QPSK	-782	mHz
TOP	LTE 15 MHz	16QAM	-263	mHz
TOP	LTE 15 MHz	64QAM	652	mHz
TOP	LTE 15 MHz	256QAM	228	mHz
BOTTOM	LTE 20 MHz	QPSK	-1.169	Hz
BOTTOM	LTE 20 MHz	16QAM	763	mHz
BOTTOM	LTE 20 MHz	64QAM	259	mHz
BOTTOM	LTE 20 MHz	256QAM	-1.318	Hz
MIDDLE	LTE 20 MHz	QPSK	908	mHz
MIDDLE	LTE 20 MHz	16QAM	-6	mHz
MIDDLE	LTE 20 MHz	64QAM	584	mHz
MIDDLE	LTE 20 MHz	256QAM	-1.405	Hz
TOP	LTE 20 MHz	QPSK	1.201	Hz
TOP	LTE 20 MHz	16QAM	840	mHz
TOP	LTE 20 MHz	64QAM	-1.032	Hz
TOP	LTE 20 MHz	256QAM	501	mHz

Temperature = 20°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-959.29	mHz
BOTTOM	LTE 5 MHz	16QAM	-1.7122	Hz
BOTTOM	LTE 5 MHz	64QAM	-577.75	mHz
BOTTOM	LTE 5 MHz	256QAM	-213.21	mHz
MIDDLE	LTE 5 MHz	QPSK	-318.6	mHz
MIDDLE	LTE 5 MHz	16QAM	201.5	mHz
MIDDLE	LTE 5 MHz	64QAM	-185.93	mHz
MIDDLE	LTE 5 MHz	256QAM	-627.62	mHz
TOP	LTE 5 MHz	QPSK	-753.72	mHz
TOP	LTE 5 MHz	16QAM	263.39	mHz
TOP	LTE 5 MHz	64QAM	-698.75	mHz
TOP	LTE 5 MHz	256QAM	145.44	mHz
BOTTOM	LTE 10 MHz	QPSK	586.26	mHz
BOTTOM	LTE 10 MHz	16QAM	1.1062	Hz
BOTTOM	LTE 10 MHz	64QAM	-650.98	mHz
BOTTOM	LTE 10 MHz	256QAM	736.07	mHz
MIDDLE	LTE 10 MHz	QPSK	-318.86	mHz
MIDDLE	LTE 10 MHz	16QAM	-903.24	mHz
MIDDLE	LTE 10 MHz	64QAM	-877.11	mHz
MIDDLE	LTE 10 MHz	256QAM	-741.04	mHz
TOP	LTE 10 MHz	QPSK	594.58	mHz
TOP	LTE 10 MHz	16QAM	468.41	mHz
TOP	LTE 10 MHz	64QAM	-658.65	mHz
TOP	LTE 10 MHz	256QAM	269.8	mHz
BOTTOM	LTE 15 MHz	QPSK	-71.102	mHz
BOTTOM	LTE 15 MHz	16QAM	-757.46	mHz
BOTTOM	LTE 15 MHz	64QAM	25.853	mHz
BOTTOM	LTE 15 MHz	256QAM	-1.2855	Hz
MIDDLE	LTE 15 MHz	QPSK	-538.1	mHz
MIDDLE	LTE 15 MHz	16QAM	-307.39	mHz
MIDDLE	LTE 15 MHz	64QAM	-24.332	mHz
MIDDLE	LTE 15 MHz	256QAM	223.33	mHz
TOP	LTE 15 MHz	QPSK	676.66	mHz
TOP	LTE 15 MHz	16QAM	173.76	mHz
TOP	LTE 15 MHz	64QAM	-594.27	mHz
TOP	LTE 15 MHz	256QAM	818.3	mHz
BOTTOM	LTE 20 MHz	QPSK	-58.774	mHz
BOTTOM	LTE 20 MHz	16QAM	-217.98	mHz
BOTTOM	LTE 20 MHz	64QAM	-94.855	mHz
BOTTOM	LTE 20 MHz	256QAM	985.84	mHz
MIDDLE	LTE 20 MHz	QPSK	-665.04	mHz
MIDDLE	LTE 20 MHz	16QAM	321.57	mHz
MIDDLE	LTE 20 MHz	64QAM	-694.54	mHz
MIDDLE	LTE 20 MHz	256QAM	-608.16	mHz
TOP	LTE 20 MHz	QPSK	27.089	mHz
TOP	LTE 20 MHz	16QAM	-608.18	mHz
TOP	LTE 20 MHz	64QAM	-218.42	mHz
TOP	LTE 20 MHz	256QAM	559.6	mHz

Temperature = 30°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-168	mHz
BOTTOM	LTE 5 MHz	16QAM	-533	mHz
BOTTOM	LTE 5 MHz	64QAM	-1.005	Hz
BOTTOM	LTE 5 MHz	256QAM	645	mHz
MIDDLE	LTE 5 MHz	QPSK	585	mHz
MIDDLE	LTE 5 MHz	16QAM	634	mHz
MIDDLE	LTE 5 MHz	64QAM	1.248	Hz
MIDDLE	LTE 5 MHz	256QAM	-1.477	Hz
TOP	LTE 5 MHz	QPSK	-369	mHz
TOP	LTE 5 MHz	16QAM	-1.346	Hz
TOP	LTE 5 MHz	64QAM	-1.429	Hz
TOP	LTE 5 MHz	256QAM	942	mHz
BOTTOM	LTE 10 MHz	QPSK	249	mHz
BOTTOM	LTE 10 MHz	16QAM	-180	mHz
BOTTOM	LTE 10 MHz	64QAM	-1.053	Hz
BOTTOM	LTE 10 MHz	256QAM	-1.371	Hz
MIDDLE	LTE 10 MHz	QPSK	1.306	Hz
MIDDLE	LTE 10 MHz	16QAM	1.078	Hz
MIDDLE	LTE 10 MHz	64QAM	514	mHz
MIDDLE	LTE 10 MHz	256QAM	-1.172	Hz
TOP	LTE 10 MHz	QPSK	-629	mHz
TOP	LTE 10 MHz	16QAM	1.405	Hz
TOP	LTE 10 MHz	64QAM	543	mHz
TOP	LTE 10 MHz	256QAM	701	mHz
BOTTOM	LTE 15 MHz	QPSK	1.229	Hz
BOTTOM	LTE 15 MHz	16QAM	-116	mHz
BOTTOM	LTE 15 MHz	64QAM	-1.277	Hz
BOTTOM	LTE 15 MHz	256QAM	-1.309	Hz
MIDDLE	LTE 15 MHz	QPSK	1.17	Hz
MIDDLE	LTE 15 MHz	16QAM	-449	mHz
MIDDLE	LTE 15 MHz	64QAM	-856	mHz
MIDDLE	LTE 15 MHz	256QAM	-984	mHz
TOP	LTE 15 MHz	QPSK	723	mHz
TOP	LTE 15 MHz	16QAM	-1.427	Hz
TOP	LTE 15 MHz	64QAM	-139	mHz
TOP	LTE 15 MHz	256QAM	84	mHz
BOTTOM	LTE 20 MHz	QPSK	-260	mHz
BOTTOM	LTE 20 MHz	16QAM	243	mHz
BOTTOM	LTE 20 MHz	64QAM	-1.333	Hz
BOTTOM	LTE 20 MHz	256QAM	-892	mHz
MIDDLE	LTE 20 MHz	QPSK	1.038	Hz
MIDDLE	LTE 20 MHz	16QAM	849	mHz
MIDDLE	LTE 20 MHz	64QAM	-1.395	Hz
MIDDLE	LTE 20 MHz	256QAM	513	mHz
TOP	LTE 20 MHz	QPSK	-1.311	Hz
TOP	LTE 20 MHz	16QAM	697	mHz
TOP	LTE 20 MHz	64QAM	1.31	Hz
TOP	LTE 20 MHz	256QAM	752	mHz

Temperature = 40°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-369	mHz
BOTTOM	LTE 5 MHz	16QAM	1.063	Hz
BOTTOM	LTE 5 MHz	64QAM	-1.321	Hz
BOTTOM	LTE 5 MHz	256QAM	-808	mHz
MIDDLE	LTE 5 MHz	QPSK	660	mHz
MIDDLE	LTE 5 MHz	16QAM	-811	mHz
MIDDLE	LTE 5 MHz	64QAM	-179	mHz
MIDDLE	LTE 5 MHz	256QAM	1.05	Hz
TOP	LTE 5 MHz	QPSK	-750	mHz
TOP	LTE 5 MHz	16QAM	1.174	Hz
TOP	LTE 5 MHz	64QAM	-529	mHz
TOP	LTE 5 MHz	256QAM	308	mHz
BOTTOM	LTE 10 MHz	QPSK	-469	mHz
BOTTOM	LTE 10 MHz	16QAM	1.094	Hz
BOTTOM	LTE 10 MHz	64QAM	-563	mHz
BOTTOM	LTE 10 MHz	256QAM	227	mHz
MIDDLE	LTE 10 MHz	QPSK	299	mHz
MIDDLE	LTE 10 MHz	16QAM	-194	mHz
MIDDLE	LTE 10 MHz	64QAM	98	mHz
MIDDLE	LTE 10 MHz	256QAM	-18	mHz
TOP	LTE 10 MHz	QPSK	1.403	Hz
TOP	LTE 10 MHz	16QAM	347	mHz
TOP	LTE 10 MHz	64QAM	-671	mHz
TOP	LTE 10 MHz	256QAM	1.483	Hz
BOTTOM	LTE 15 MHz	QPSK	-1.276	Hz
BOTTOM	LTE 15 MHz	16QAM	-1.02	Hz
BOTTOM	LTE 15 MHz	64QAM	45	mHz
BOTTOM	LTE 15 MHz	256QAM	-1.443	Hz
MIDDLE	LTE 15 MHz	QPSK	-510	mHz
MIDDLE	LTE 15 MHz	16QAM	-915	mHz
MIDDLE	LTE 15 MHz	64QAM	-543	mHz
MIDDLE	LTE 15 MHz	256QAM	997	mHz
TOP	LTE 15 MHz	QPSK	-444	mHz
TOP	LTE 15 MHz	16QAM	-840	mHz
TOP	LTE 15 MHz	64QAM	-870	mHz
TOP	LTE 15 MHz	256QAM	2	mHz
BOTTOM	LTE 20 MHz	QPSK	-1.211	Hz
BOTTOM	LTE 20 MHz	16QAM	-1.367	Hz
BOTTOM	LTE 20 MHz	64QAM	244	mHz
BOTTOM	LTE 20 MHz	256QAM	-28	mHz
MIDDLE	LTE 20 MHz	QPSK	-1.152	Hz
MIDDLE	LTE 20 MHz	16QAM	-1.4	Hz
MIDDLE	LTE 20 MHz	64QAM	-852	mHz
MIDDLE	LTE 20 MHz	256QAM	360	mHz
TOP	LTE 20 MHz	QPSK	1.019	Hz
TOP	LTE 20 MHz	16QAM	-604	mHz
TOP	LTE 20 MHz	64QAM	146	mHz
TOP	LTE 20 MHz	256QAM	-562	mHz

Temperature = 50°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	659.77	mHz
BOTTOM	LTE 5 MHz	16QAM	-330.14	mHz
BOTTOM	LTE 5 MHz	64QAM	539.25	mHz
BOTTOM	LTE 5 MHz	256QAM	-1.432	Hz
MIDDLE	LTE 5 MHz	QPSK	25.867	mHz
MIDDLE	LTE 5 MHz	16QAM	61.467	mHz
MIDDLE	LTE 5 MHz	64QAM	-837.36	mHz
MIDDLE	LTE 5 MHz	256QAM	-1.435	Hz
TOP	LTE 5 MHz	QPSK	322.87	mHz
TOP	LTE 5 MHz	16QAM	125.2	mHz
TOP	LTE 5 MHz	64QAM	268.85	mHz
TOP	LTE 5 MHz	256QAM	-1.154	Hz
BOTTOM	LTE 10 MHz	QPSK	332.32	mHz
BOTTOM	LTE 10 MHz	16QAM	-48.146	mHz
BOTTOM	LTE 10 MHz	64QAM	938.37	mHz
BOTTOM	LTE 10 MHz	256QAM	695	mHz
MIDDLE	LTE 10 MHz	QPSK	-1.093	Hz
MIDDLE	LTE 10 MHz	16QAM	-164.67	mHz
MIDDLE	LTE 10 MHz	64QAM	-107.83	mHz
MIDDLE	LTE 10 MHz	256QAM	711	mHz
TOP	LTE 10 MHz	QPSK	-580.84	mHz
TOP	LTE 10 MHz	16QAM	-930.7	mHz
TOP	LTE 10 MHz	64QAM	-873.93	mHz
TOP	LTE 10 MHz	256QAM	-90	mHz
BOTTOM	LTE 15 MHz	QPSK	-553	mHz
BOTTOM	LTE 15 MHz	16QAM	1.351	Hz
BOTTOM	LTE 15 MHz	64QAM	-1.242	Hz
BOTTOM	LTE 15 MHz	256QAM	-1.378	Hz
MIDDLE	LTE 15 MHz	QPSK	23.908	mHz
MIDDLE	LTE 15 MHz	16QAM	-531.86	mHz
MIDDLE	LTE 15 MHz	64QAM	975.92	mHz
MIDDLE	LTE 15 MHz	256QAM	-250.58	mHz
TOP	LTE 15 MHz	QPSK	-935.78	mHz
TOP	LTE 15 MHz	16QAM	-363.17	mHz
TOP	LTE 15 MHz	64QAM	-113.35	mHz
TOP	LTE 15 MHz	256QAM	773	mHz
BOTTOM	LTE 20 MHz	QPSK	-575.51	mHz
BOTTOM	LTE 20 MHz	16QAM	-340.88	mHz
BOTTOM	LTE 20 MHz	64QAM	-840.75	mHz
BOTTOM	LTE 20 MHz	256QAM	-704	mHz
MIDDLE	LTE 20 MHz	QPSK	-491.42	mHz
MIDDLE	LTE 20 MHz	16QAM	221.18	mHz
MIDDLE	LTE 20 MHz	64QAM	530.88	mHz
MIDDLE	LTE 20 MHz	256QAM	-356.9	mHz
TOP	LTE 20 MHz	QPSK	52.558	mHz
TOP	LTE 20 MHz	16QAM	552.05	mHz
TOP	LTE 20 MHz	64QAM	-552	mHz
TOP	LTE 20 MHz	256QAM	-364	mHz

RF PORT 2

Temperature = -30°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	478	mHz
BOTTOM	LTE 5 MHz	16QAM	1.164	Hz
BOTTOM	LTE 5 MHz	64QAM	655	mHz
BOTTOM	LTE 5 MHz	256QAM	-641	mHz
MIDDLE	LTE 5 MHz	QPSK	-77.7436	mHz
MIDDLE	LTE 5 MHz	16QAM	902.41	mHz
MIDDLE	LTE 5 MHz	64QAM	634.86	mHz
MIDDLE	LTE 5 MHz	256QAM	313.59	mHz
TOP	LTE 5 MHz	QPSK	-763	mHz
TOP	LTE 5 MHz	16QAM	-1.162	Hz
TOP	LTE 5 MHz	64QAM	-1.389	Hz
TOP	LTE 5 MHz	256QAM	664	mHz
BOTTOM	LTE 10 MHz	QPSK	-1.318	Hz
BOTTOM	LTE 10 MHz	16QAM	569	mHz
BOTTOM	LTE 10 MHz	64QAM	4	mHz
BOTTOM	LTE 10 MHz	256QAM	-1.365	Hz
MIDDLE	LTE 10 MHz	QPSK	658.36	mHz
MIDDLE	LTE 10 MHz	16QAM	664.59	mHz
MIDDLE	LTE 10 MHz	64QAM	-1.4065	Hz
MIDDLE	LTE 10 MHz	256QAM	2.6296	Hz
TOP	LTE 10 MHz	QPSK	187	mHz
TOP	LTE 10 MHz	16QAM	1.389	Hz
TOP	LTE 10 MHz	64QAM	229	mHz
TOP	LTE 10 MHz	256QAM	-239	mHz
BOTTOM	LTE 15 MHz	QPSK	-686	mHz
BOTTOM	LTE 15 MHz	16QAM	-857	mHz
BOTTOM	LTE 15 MHz	64QAM	361	mHz
BOTTOM	LTE 15 MHz	256QAM	815	mHz
MIDDLE	LTE 15 MHz	QPSK	-426.69	mHz
MIDDLE	LTE 15 MHz	16QAM	327.24	mHz
MIDDLE	LTE 15 MHz	64QAM	-1.3595	Hz
MIDDLE	LTE 15 MHz	256QAM	-253.61	mHz
TOP	LTE 15 MHz	QPSK	-1.077	Hz
TOP	LTE 15 MHz	16QAM	-1.221	Hz
TOP	LTE 15 MHz	64QAM	-458	mHz
TOP	LTE 15 MHz	256QAM	-1.174	Hz
BOTTOM	LTE 20 MHz	QPSK	-419	mHz
BOTTOM	LTE 20 MHz	16QAM	-244	mHz
BOTTOM	LTE 20 MHz	64QAM	664	mHz
BOTTOM	LTE 20 MHz	256QAM	-1.487	Hz
MIDDLE	LTE 20 MHz	QPSK	-841.02	mHz
MIDDLE	LTE 20 MHz	16QAM	-889.19	mHz
MIDDLE	LTE 20 MHz	64QAM	-182.3	mHz
MIDDLE	LTE 20 MHz	256QAM	492.24	mHz
TOP	LTE 20 MHz	QPSK	-1.014	Hz
TOP	LTE 20 MHz	16QAM	-34	mHz
TOP	LTE 20 MHz	64QAM	-1.384	Hz
TOP	LTE 20 MHz	256QAM	-496	mHz

Temperature = -20°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-945	mHz
BOTTOM	LTE 5 MHz	16QAM	-474	mHz
BOTTOM	LTE 5 MHz	64QAM	-1.184	Hz
BOTTOM	LTE 5 MHz	256QAM	1.207	Hz
MIDDLE	LTE 5 MHz	QPSK	426	mHz
MIDDLE	LTE 5 MHz	16QAM	-497	mHz
MIDDLE	LTE 5 MHz	64QAM	164	mHz
MIDDLE	LTE 5 MHz	256QAM	152	mHz
TOP	LTE 5 MHz	QPSK	-1.367	Hz
TOP	LTE 5 MHz	16QAM	-1.289	Hz
TOP	LTE 5 MHz	64QAM	-504	mHz
TOP	LTE 5 MHz	256QAM	-1.098	Hz
BOTTOM	LTE 10 MHz	QPSK	259	mHz
BOTTOM	LTE 10 MHz	16QAM	399	mHz
BOTTOM	LTE 10 MHz	64QAM	825	mHz
BOTTOM	LTE 10 MHz	256QAM	-126	mHz
MIDDLE	LTE 10 MHz	QPSK	-261	mHz
MIDDLE	LTE 10 MHz	16QAM	1.466	Hz
MIDDLE	LTE 10 MHz	64QAM	225	mHz
MIDDLE	LTE 10 MHz	256QAM	789	mHz
TOP	LTE 10 MHz	QPSK	423	mHz
TOP	LTE 10 MHz	16QAM	-153	mHz
TOP	LTE 10 MHz	64QAM	646	mHz
TOP	LTE 10 MHz	256QAM	-803	mHz
BOTTOM	LTE 15 MHz	QPSK	-478	mHz
BOTTOM	LTE 15 MHz	16QAM	-416	mHz
BOTTOM	LTE 15 MHz	64QAM	-174	mHz
BOTTOM	LTE 15 MHz	256QAM	-1.369	Hz
MIDDLE	LTE 15 MHz	QPSK	-631	mHz
MIDDLE	LTE 15 MHz	16QAM	575	mHz
MIDDLE	LTE 15 MHz	64QAM	-270	mHz
MIDDLE	LTE 15 MHz	256QAM	-1.428	Hz
TOP	LTE 15 MHz	QPSK	-1.499	Hz
TOP	LTE 15 MHz	16QAM	-519	mHz
TOP	LTE 15 MHz	64QAM	17	mHz
TOP	LTE 15 MHz	256QAM	1.166	Hz
BOTTOM	LTE 20 MHz	QPSK	-1.246	Hz
BOTTOM	LTE 20 MHz	16QAM	-348	mHz
BOTTOM	LTE 20 MHz	64QAM	-1.434	Hz
BOTTOM	LTE 20 MHz	256QAM	-1.161	Hz
MIDDLE	LTE 20 MHz	QPSK	-856	mHz
MIDDLE	LTE 20 MHz	16QAM	-422	mHz
MIDDLE	LTE 20 MHz	64QAM	1.032	Hz
MIDDLE	LTE 20 MHz	256QAM	676	mHz
TOP	LTE 20 MHz	QPSK	7	mHz
TOP	LTE 20 MHz	16QAM	-1.27	Hz
TOP	LTE 20 MHz	64QAM	397	mHz
TOP	LTE 20 MHz	256QAM	751	mHz

Temperature = -10°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-1.181	Hz
BOTTOM	LTE 5 MHz	16QAM	404	mHz
BOTTOM	LTE 5 MHz	64QAM	16	mHz
BOTTOM	LTE 5 MHz	256QAM	-407	mHz
MIDDLE	LTE 5 MHz	QPSK	-26	mHz
MIDDLE	LTE 5 MHz	16QAM	-808	mHz
MIDDLE	LTE 5 MHz	64QAM	-1.273	Hz
MIDDLE	LTE 5 MHz	256QAM	476	mHz
TOP	LTE 5 MHz	QPSK	-470	mHz
TOP	LTE 5 MHz	16QAM	1.27	Hz
TOP	LTE 5 MHz	64QAM	724	mHz
TOP	LTE 5 MHz	256QAM	-70	mHz
BOTTOM	LTE 10 MHz	QPSK	-967	mHz
BOTTOM	LTE 10 MHz	16QAM	-670	mHz
BOTTOM	LTE 10 MHz	64QAM	-876	mHz
BOTTOM	LTE 10 MHz	256QAM	466	mHz
MIDDLE	LTE 10 MHz	QPSK	-1.103	Hz
MIDDLE	LTE 10 MHz	16QAM	-1.234	Hz
MIDDLE	LTE 10 MHz	64QAM	-701	mHz
MIDDLE	LTE 10 MHz	256QAM	-633	mHz
TOP	LTE 10 MHz	QPSK	-637	mHz
TOP	LTE 10 MHz	16QAM	-105	mHz
TOP	LTE 10 MHz	64QAM	1.241	Hz
TOP	LTE 10 MHz	256QAM	718	mHz
BOTTOM	LTE 15 MHz	QPSK	1.085	Hz
BOTTOM	LTE 15 MHz	16QAM	689	mHz
BOTTOM	LTE 15 MHz	64QAM	-859	mHz
BOTTOM	LTE 15 MHz	256QAM	-970	mHz
MIDDLE	LTE 15 MHz	QPSK	889	mHz
MIDDLE	LTE 15 MHz	16QAM	-447	mHz
MIDDLE	LTE 15 MHz	64QAM	-114	mHz
MIDDLE	LTE 15 MHz	256QAM	453	mHz
TOP	LTE 15 MHz	QPSK	1.095	Hz
TOP	LTE 15 MHz	16QAM	1.357	Hz
TOP	LTE 15 MHz	64QAM	1.216	Hz
TOP	LTE 15 MHz	256QAM	-272	mHz
BOTTOM	LTE 20 MHz	QPSK	541	mHz
BOTTOM	LTE 20 MHz	16QAM	-73	mHz
BOTTOM	LTE 20 MHz	64QAM	1.144	Hz
BOTTOM	LTE 20 MHz	256QAM	-341	mHz
MIDDLE	LTE 20 MHz	QPSK	-560	mHz
MIDDLE	LTE 20 MHz	16QAM	-106	mHz
MIDDLE	LTE 20 MHz	64QAM	-456	mHz
MIDDLE	LTE 20 MHz	256QAM	-1.425	Hz
TOP	LTE 20 MHz	QPSK	-1.238	Hz
TOP	LTE 20 MHz	16QAM	1.024	Hz
TOP	LTE 20 MHz	64QAM	1.212	Hz
TOP	LTE 20 MHz	256QAM	-883	mHz

Temperature = 0°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-1.118	Hz
BOTTOM	LTE 5 MHz	16QAM	-744	mHz
BOTTOM	LTE 5 MHz	64QAM	726	mHz
BOTTOM	LTE 5 MHz	256QAM	-1.15	Hz
MIDDLE	LTE 5 MHz	QPSK	-224.28	mHz
MIDDLE	LTE 5 MHz	16QAM	-520.27	mHz
MIDDLE	LTE 5 MHz	64QAM	-247.14	mHz
MIDDLE	LTE 5 MHz	256QAM	1.0221	Hz
TOP	LTE 5 MHz	QPSK	758	mHz
TOP	LTE 5 MHz	16QAM	-864	mHz
TOP	LTE 5 MHz	64QAM	-71	mHz
TOP	LTE 5 MHz	256QAM	840	mHz
BOTTOM	LTE 10 MHz	QPSK	-136	mHz
BOTTOM	LTE 10 MHz	16QAM	135	mHz
BOTTOM	LTE 10 MHz	64QAM	222	mHz
BOTTOM	LTE 10 MHz	256QAM	-954	mHz
MIDDLE	LTE 10 MHz	QPSK	-158.76	mHz
MIDDLE	LTE 10 MHz	16QAM	-387.97	mHz
MIDDLE	LTE 10 MHz	64QAM	1.0768	Hz
MIDDLE	LTE 10 MHz	256QAM	-667.1	mHz
TOP	LTE 10 MHz	QPSK	2	mHz
TOP	LTE 10 MHz	16QAM	905	mHz
TOP	LTE 10 MHz	64QAM	241	mHz
TOP	LTE 10 MHz	256QAM	420	mHz
BOTTOM	LTE 15 MHz	QPSK	-555	mHz
BOTTOM	LTE 15 MHz	16QAM	-688	mHz
BOTTOM	LTE 15 MHz	64QAM	-723	mHz
BOTTOM	LTE 15 MHz	256QAM	279	mHz
MIDDLE	LTE 15 MHz	QPSK	-637.56	mHz
MIDDLE	LTE 15 MHz	16QAM	-694.18	mHz
MIDDLE	LTE 15 MHz	64QAM	-883.61	mHz
MIDDLE	LTE 15 MHz	256QAM	406.24	mHz
TOP	LTE 15 MHz	QPSK	1.209	Hz
TOP	LTE 15 MHz	16QAM	437	mHz
TOP	LTE 15 MHz	64QAM	-1.065	Hz
TOP	LTE 15 MHz	256QAM	-602	mHz
BOTTOM	LTE 20 MHz	QPSK	-978	mHz
BOTTOM	LTE 20 MHz	16QAM	-1.022	Hz
BOTTOM	LTE 20 MHz	64QAM	1.01	Hz
BOTTOM	LTE 20 MHz	256QAM	-881	mHz
MIDDLE	LTE 20 MHz	QPSK	767.32	mHz
MIDDLE	LTE 20 MHz	16QAM	-46.462	mHz
MIDDLE	LTE 20 MHz	64QAM	975.78	mHz
MIDDLE	LTE 20 MHz	256QAM	-419.57	mHz
TOP	LTE 20 MHz	QPSK	972	mHz
TOP	LTE 20 MHz	16QAM	-198	mHz
TOP	LTE 20 MHz	64QAM	-1.244	Hz
TOP	LTE 20 MHz	256QAM	-1.299	Hz

Temperature = 10°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-570	mHz
BOTTOM	LTE 5 MHz	16QAM	-1.054	Hz
BOTTOM	LTE 5 MHz	64QAM	794	mHz
BOTTOM	LTE 5 MHz	256QAM	-1.39	Hz
MIDDLE	LTE 5 MHz	QPSK	-1.152	Hz
MIDDLE	LTE 5 MHz	16QAM	-1.477	Hz
MIDDLE	LTE 5 MHz	64QAM	-295	mHz
MIDDLE	LTE 5 MHz	256QAM	1.107	Hz
TOP	LTE 5 MHz	QPSK	99	mHz
TOP	LTE 5 MHz	16QAM	-446	mHz
TOP	LTE 5 MHz	64QAM	-313	mHz
TOP	LTE 5 MHz	256QAM	-564	mHz
BOTTOM	LTE 10 MHz	QPSK	-7	mHz
BOTTOM	LTE 10 MHz	16QAM	694	mHz
BOTTOM	LTE 10 MHz	64QAM	-275	mHz
BOTTOM	LTE 10 MHz	256QAM	-502	mHz
MIDDLE	LTE 10 MHz	QPSK	-916	mHz
MIDDLE	LTE 10 MHz	16QAM	1.134	Hz
MIDDLE	LTE 10 MHz	64QAM	187	mHz
MIDDLE	LTE 10 MHz	256QAM	-669	mHz
TOP	LTE 10 MHz	QPSK	818	mHz
TOP	LTE 10 MHz	16QAM	656	mHz
TOP	LTE 10 MHz	64QAM	-130	mHz
TOP	LTE 10 MHz	256QAM	34	mHz
BOTTOM	LTE 15 MHz	QPSK	50	mHz
BOTTOM	LTE 15 MHz	16QAM	194	mHz
BOTTOM	LTE 15 MHz	64QAM	-133	mHz
BOTTOM	LTE 15 MHz	256QAM	226	mHz
MIDDLE	LTE 15 MHz	QPSK	-125	mHz
MIDDLE	LTE 15 MHz	16QAM	561	mHz
MIDDLE	LTE 15 MHz	64QAM	1.279	Hz
MIDDLE	LTE 15 MHz	256QAM	600	mHz
TOP	LTE 15 MHz	QPSK	-87	mHz
TOP	LTE 15 MHz	16QAM	-964	mHz
TOP	LTE 15 MHz	64QAM	71	mHz
TOP	LTE 15 MHz	256QAM	-1.222	Hz
BOTTOM	LTE 20 MHz	QPSK	-1.149	Hz
BOTTOM	LTE 20 MHz	16QAM	1.074	Hz
BOTTOM	LTE 20 MHz	64QAM	-1.301	Hz
BOTTOM	LTE 20 MHz	256QAM	-1.287	Hz
MIDDLE	LTE 20 MHz	QPSK	-640	mHz
MIDDLE	LTE 20 MHz	16QAM	-207	mHz
MIDDLE	LTE 20 MHz	64QAM	-168	mHz
MIDDLE	LTE 20 MHz	256QAM	-1.042	Hz
TOP	LTE 20 MHz	QPSK	-350	mHz
TOP	LTE 20 MHz	16QAM	1.265	Hz
TOP	LTE 20 MHz	64QAM	272	mHz
TOP	LTE 20 MHz	256QAM	-605	mHz

Temperature = 20°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-1.5887	Hz
BOTTOM	LTE 5 MHz	16QAM	-376.62	mHz
BOTTOM	LTE 5 MHz	64QAM	-686.53	mHz
BOTTOM	LTE 5 MHz	256QAM	-159.38	mHz
MIDDLE	LTE 5 MHz	QPSK	-124.78	mHz
MIDDLE	LTE 5 MHz	16QAM	478.9	mHz
MIDDLE	LTE 5 MHz	64QAM	-520.75	mHz
MIDDLE	LTE 5 MHz	256QAM	273.14	mHz
TOP	LTE 5 MHz	QPSK	253.31	mHz
TOP	LTE 5 MHz	16QAM	-11.444	mHz
TOP	LTE 5 MHz	64QAM	560.45	mHz
TOP	LTE 5 MHz	256QAM	-180.58	mHz
BOTTOM	LTE 10 MHz	QPSK	-1.4031	Hz
BOTTOM	LTE 10 MHz	16QAM	-771.23	mHz
BOTTOM	LTE 10 MHz	64QAM	-18.575	mHz
BOTTOM	LTE 10 MHz	256QAM	-1.6967	Hz
MIDDLE	LTE 10 MHz	QPSK	-329.82	mHz
MIDDLE	LTE 10 MHz	16QAM	-476.28	mHz
MIDDLE	LTE 10 MHz	64QAM	-151	mHz
MIDDLE	LTE 10 MHz	256QAM	583.91	mHz
TOP	LTE 10 MHz	QPSK	-846.11	mHz
TOP	LTE 10 MHz	16QAM	-277.21	mHz
TOP	LTE 10 MHz	64QAM	-546.13	mHz
TOP	LTE 10 MHz	256QAM	-628.81	mHz
BOTTOM	LTE 15 MHz	QPSK	-197.62	mHz
BOTTOM	LTE 15 MHz	16QAM	-317.51	mHz
BOTTOM	LTE 15 MHz	64QAM	235.55	mHz
BOTTOM	LTE 15 MHz	256QAM	-700.6	mHz
MIDDLE	LTE 15 MHz	QPSK	-180.26	mHz
MIDDLE	LTE 15 MHz	16QAM	-789.03	mHz
MIDDLE	LTE 15 MHz	64QAM	1.1902	Hz
MIDDLE	LTE 15 MHz	256QAM	-542.4	mHz
TOP	LTE 15 MHz	QPSK	-434.7	mHz
TOP	LTE 15 MHz	16QAM	-300.63	mHz
TOP	LTE 15 MHz	64QAM	659.88	mHz
TOP	LTE 15 MHz	256QAM	-331.35	mHz
BOTTOM	LTE 20 MHz	QPSK	1.1272	Hz
BOTTOM	LTE 20 MHz	16QAM	300.22	mHz
BOTTOM	LTE 20 MHz	64QAM	-212.06	mHz
BOTTOM	LTE 20 MHz	256QAM	-969.11	mHz
MIDDLE	LTE 20 MHz	QPSK	954.68	mHz
MIDDLE	LTE 20 MHz	16QAM	119.08	mHz
MIDDLE	LTE 20 MHz	64QAM	-764.84	mHz
MIDDLE	LTE 20 MHz	256QAM	464.2	mHz
TOP	LTE 20 MHz	QPSK	-852.74	mHz
TOP	LTE 20 MHz	16QAM	1.133	Hz
TOP	LTE 20 MHz	64QAM	986.81	mHz
TOP	LTE 20 MHz	256QAM	-369.36	mHz

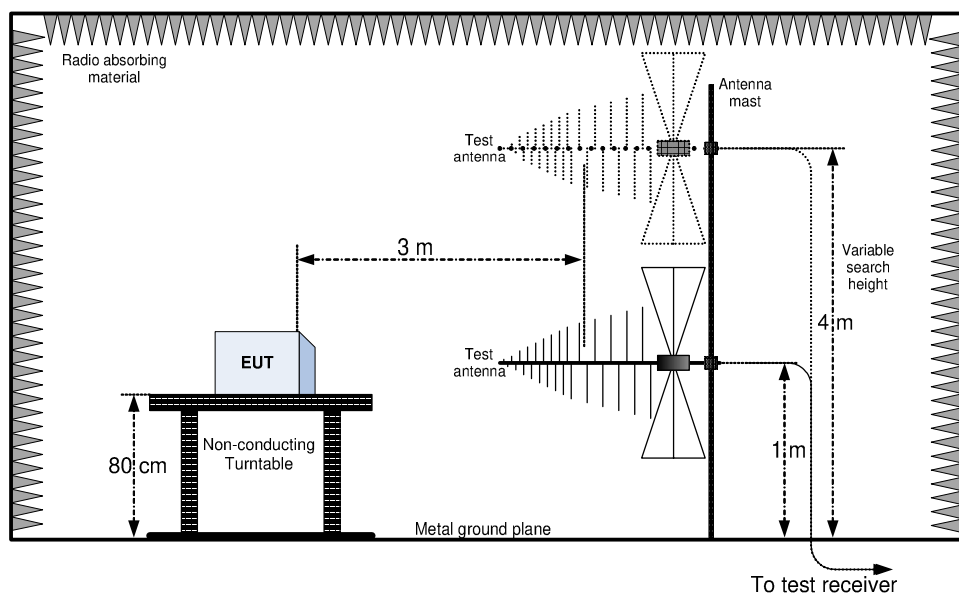
Temperature = 30°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-1.354	Hz
BOTTOM	LTE 5 MHz	16QAM	1.17	Hz
BOTTOM	LTE 5 MHz	64QAM	-298	mHz
BOTTOM	LTE 5 MHz	256QAM	-581	mHz
MIDDLE	LTE 5 MHz	QPSK	-505	mHz
MIDDLE	LTE 5 MHz	16QAM	727	mHz
MIDDLE	LTE 5 MHz	64QAM	-1.442	Hz
MIDDLE	LTE 5 MHz	256QAM	995	mHz
TOP	LTE 5 MHz	QPSK	-338	mHz
TOP	LTE 5 MHz	16QAM	1.139	Hz
TOP	LTE 5 MHz	64QAM	-1.435	Hz
TOP	LTE 5 MHz	256QAM	131	mHz
BOTTOM	LTE 10 MHz	QPSK	257	mHz
BOTTOM	LTE 10 MHz	16QAM	-988	mHz
BOTTOM	LTE 10 MHz	64QAM	350	mHz
BOTTOM	LTE 10 MHz	256QAM	473	mHz
MIDDLE	LTE 10 MHz	QPSK	-483	mHz
MIDDLE	LTE 10 MHz	16QAM	-425	mHz
MIDDLE	LTE 10 MHz	64QAM	728	mHz
MIDDLE	LTE 10 MHz	256QAM	1.132	Hz
TOP	LTE 10 MHz	QPSK	1.364	Hz
TOP	LTE 10 MHz	16QAM	-926	mHz
TOP	LTE 10 MHz	64QAM	-67	mHz
TOP	LTE 10 MHz	256QAM	-1.079	Hz
BOTTOM	LTE 15 MHz	QPSK	760	mHz
BOTTOM	LTE 15 MHz	16QAM	5	mHz
BOTTOM	LTE 15 MHz	64QAM	1.158	Hz
BOTTOM	LTE 15 MHz	256QAM	-1.337	Hz
MIDDLE	LTE 15 MHz	QPSK	-963	mHz
MIDDLE	LTE 15 MHz	16QAM	-398	mHz
MIDDLE	LTE 15 MHz	64QAM	-323	mHz
MIDDLE	LTE 15 MHz	256QAM	-1.047	Hz
TOP	LTE 15 MHz	QPSK	-464	mHz
TOP	LTE 15 MHz	16QAM	220	mHz
TOP	LTE 15 MHz	64QAM	-883	mHz
TOP	LTE 15 MHz	256QAM	1.102	Hz
BOTTOM	LTE 20 MHz	QPSK	-382	mHz
BOTTOM	LTE 20 MHz	16QAM	-1.151	Hz
BOTTOM	LTE 20 MHz	64QAM	-800	mHz
BOTTOM	LTE 20 MHz	256QAM	1.306	Hz
MIDDLE	LTE 20 MHz	QPSK	-1.319	Hz
MIDDLE	LTE 20 MHz	16QAM	910	mHz
MIDDLE	LTE 20 MHz	64QAM	-351	mHz
MIDDLE	LTE 20 MHz	256QAM	-907	mHz
TOP	LTE 20 MHz	QPSK	321	mHz
TOP	LTE 20 MHz	16QAM	1.015	Hz
TOP	LTE 20 MHz	64QAM	-640	mHz
TOP	LTE 20 MHz	256QAM	-680	mHz

Temperature = 40°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-1.312	Hz
BOTTOM	LTE 5 MHz	16QAM	152	mHz
BOTTOM	LTE 5 MHz	64QAM	306	mHz
BOTTOM	LTE 5 MHz	256QAM	-1.365	Hz
MIDDLE	LTE 5 MHz	QPSK	-287	mHz
MIDDLE	LTE 5 MHz	16QAM	1.435	Hz
MIDDLE	LTE 5 MHz	64QAM	-389	mHz
MIDDLE	LTE 5 MHz	256QAM	-808	mHz
TOP	LTE 5 MHz	QPSK	-530	mHz
TOP	LTE 5 MHz	16QAM	-510	mHz
TOP	LTE 5 MHz	64QAM	1.267	Hz
TOP	LTE 5 MHz	256QAM	-17	mHz
BOTTOM	LTE 10 MHz	QPSK	-1.176	Hz
BOTTOM	LTE 10 MHz	16QAM	-143	mHz
BOTTOM	LTE 10 MHz	64QAM	59	mHz
BOTTOM	LTE 10 MHz	256QAM	931	mHz
MIDDLE	LTE 10 MHz	QPSK	-1.427	Hz
MIDDLE	LTE 10 MHz	16QAM	1.411	Hz
MIDDLE	LTE 10 MHz	64QAM	101	mHz
MIDDLE	LTE 10 MHz	256QAM	1.406	Hz
TOP	LTE 10 MHz	QPSK	1.453	Hz
TOP	LTE 10 MHz	16QAM	426	mHz
TOP	LTE 10 MHz	64QAM	-1.014	Hz
TOP	LTE 10 MHz	256QAM	-642	mHz
BOTTOM	LTE 15 MHz	QPSK	356	mHz
BOTTOM	LTE 15 MHz	16QAM	945	mHz
BOTTOM	LTE 15 MHz	64QAM	-1.222	Hz
BOTTOM	LTE 15 MHz	256QAM	-715	mHz
MIDDLE	LTE 15 MHz	QPSK	1.473	Hz
MIDDLE	LTE 15 MHz	16QAM	-1.383	Hz
MIDDLE	LTE 15 MHz	64QAM	609	mHz
MIDDLE	LTE 15 MHz	256QAM	851	mHz
TOP	LTE 15 MHz	QPSK	296	mHz
TOP	LTE 15 MHz	16QAM	-11	mHz
TOP	LTE 15 MHz	64QAM	-1.43	Hz
TOP	LTE 15 MHz	256QAM	-1.495	Hz
BOTTOM	LTE 20 MHz	QPSK	-192	mHz
BOTTOM	LTE 20 MHz	16QAM	-783	mHz
BOTTOM	LTE 20 MHz	64QAM	-752	mHz
BOTTOM	LTE 20 MHz	256QAM	1.167	Hz
MIDDLE	LTE 20 MHz	QPSK	1.085	Hz
MIDDLE	LTE 20 MHz	16QAM	510	mHz
MIDDLE	LTE 20 MHz	64QAM	1.428	Hz
MIDDLE	LTE 20 MHz	256QAM	483	mHz
TOP	LTE 20 MHz	QPSK	-1.258	Hz
TOP	LTE 20 MHz	16QAM	1.222	Hz
TOP	LTE 20 MHz	64QAM	993	mHz
TOP	LTE 20 MHz	256QAM	282	mHz

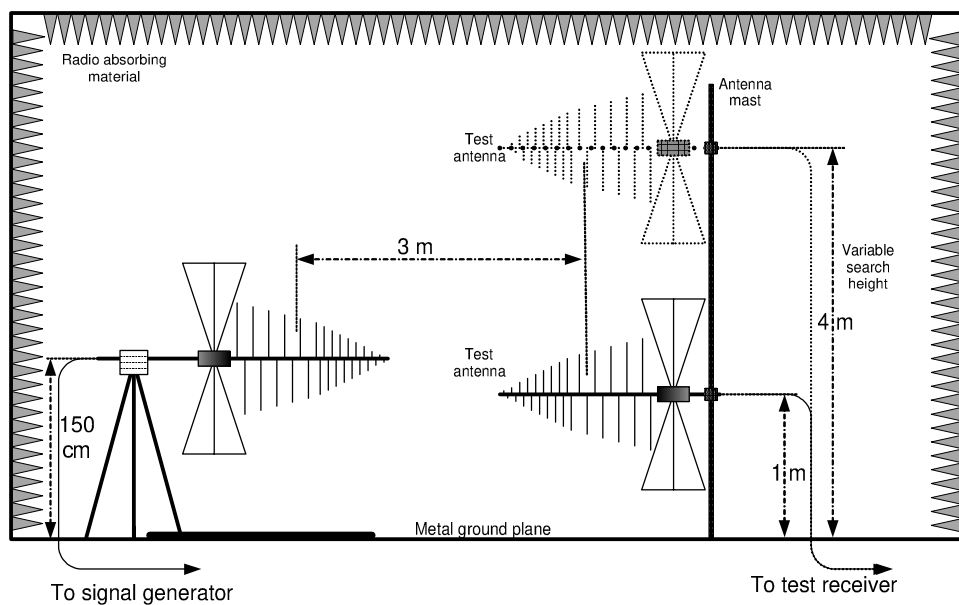
Temperature = 50°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	1.418	Hz
BOTTOM	LTE 5 MHz	16QAM	1.29	Hz
BOTTOM	LTE 5 MHz	64QAM	1.173	Hz
BOTTOM	LTE 5 MHz	256QAM	1.053	Hz
MIDDLE	LTE 5 MHz	QPSK	-1.416	Hz
MIDDLE	LTE 5 MHz	16QAM	-532	mHz
MIDDLE	LTE 5 MHz	64QAM	-545	mHz
MIDDLE	LTE 5 MHz	256QAM	-792	mHz
TOP	LTE 5 MHz	QPSK	704	mHz
TOP	LTE 5 MHz	16QAM	1.202	Hz
TOP	LTE 5 MHz	64QAM	311	mHz
TOP	LTE 5 MHz	256QAM	285	mHz
BOTTOM	LTE 10 MHz	QPSK	-1.396	Hz
BOTTOM	LTE 10 MHz	16QAM	-1.439	Hz
BOTTOM	LTE 10 MHz	64QAM	444	mHz
BOTTOM	LTE 10 MHz	256QAM	774	mHz
MIDDLE	LTE 10 MHz	QPSK	1.232	Hz
MIDDLE	LTE 10 MHz	16QAM	312	mHz
MIDDLE	LTE 10 MHz	64QAM	814	mHz
MIDDLE	LTE 10 MHz	256QAM	-1.236	Hz
TOP	LTE 10 MHz	QPSK	1.426	Hz
TOP	LTE 10 MHz	16QAM	999	mHz
TOP	LTE 10 MHz	64QAM	-317	mHz
TOP	LTE 10 MHz	256QAM	790	mHz
BOTTOM	LTE 15 MHz	QPSK	227	mHz
BOTTOM	LTE 15 MHz	16QAM	-468	mHz
BOTTOM	LTE 15 MHz	64QAM	1.405	Hz
BOTTOM	LTE 15 MHz	256QAM	-436	mHz
MIDDLE	LTE 15 MHz	QPSK	-117	mHz
MIDDLE	LTE 15 MHz	16QAM	1.308	Hz
MIDDLE	LTE 15 MHz	64QAM	841	mHz
MIDDLE	LTE 15 MHz	256QAM	250	mHz
TOP	LTE 15 MHz	QPSK	980	mHz
TOP	LTE 15 MHz	16QAM	1.295	Hz
TOP	LTE 15 MHz	64QAM	-1.168	Hz
TOP	LTE 15 MHz	256QAM	-1.459	Hz
BOTTOM	LTE 20 MHz	QPSK	1.016	Hz
BOTTOM	LTE 20 MHz	16QAM	736	mHz
BOTTOM	LTE 20 MHz	64QAM	444	mHz
BOTTOM	LTE 20 MHz	256QAM	204	mHz
MIDDLE	LTE 20 MHz	QPSK	281	mHz
MIDDLE	LTE 20 MHz	16QAM	-763	mHz
MIDDLE	LTE 20 MHz	64QAM	315	mHz
MIDDLE	LTE 20 MHz	256QAM	-588	mHz
TOP	LTE 20 MHz	QPSK	799	mHz
TOP	LTE 20 MHz	16QAM	937	mHz
TOP	LTE 20 MHz	64QAM	1.361	Hz
TOP	LTE 20 MHz	256QAM	-77	mHz

Appendix B: Block diagrams of test set-ups

Radiated emissions set-up



Substitution method set-up



Appendix C: EUT Photos

Photo Set up

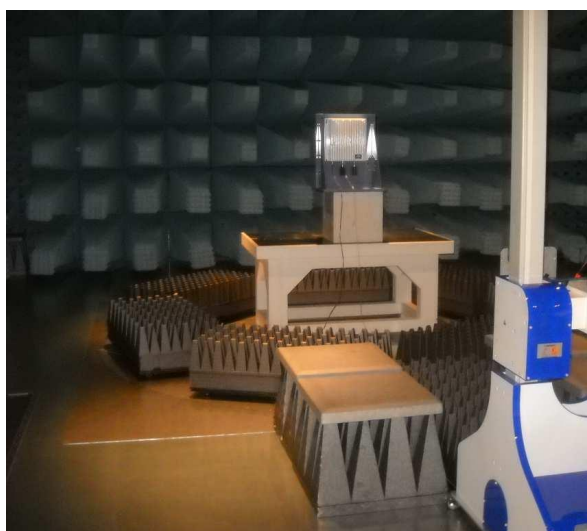
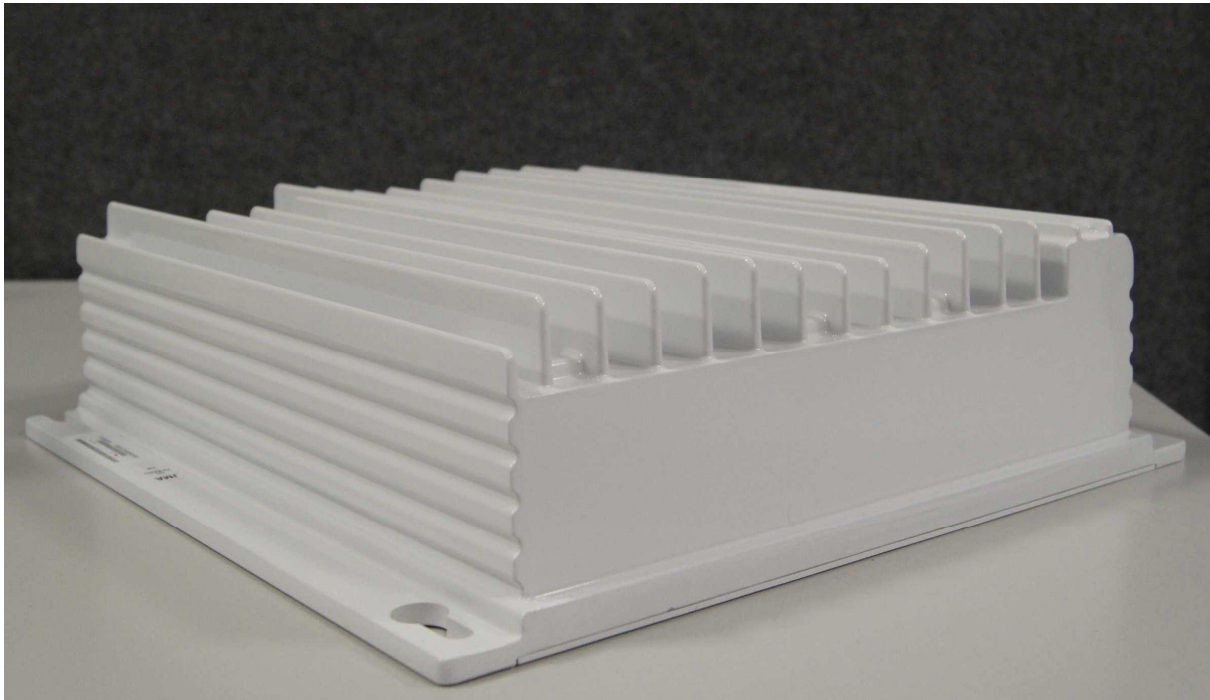


Photo EUT





END OF TEST REPORT