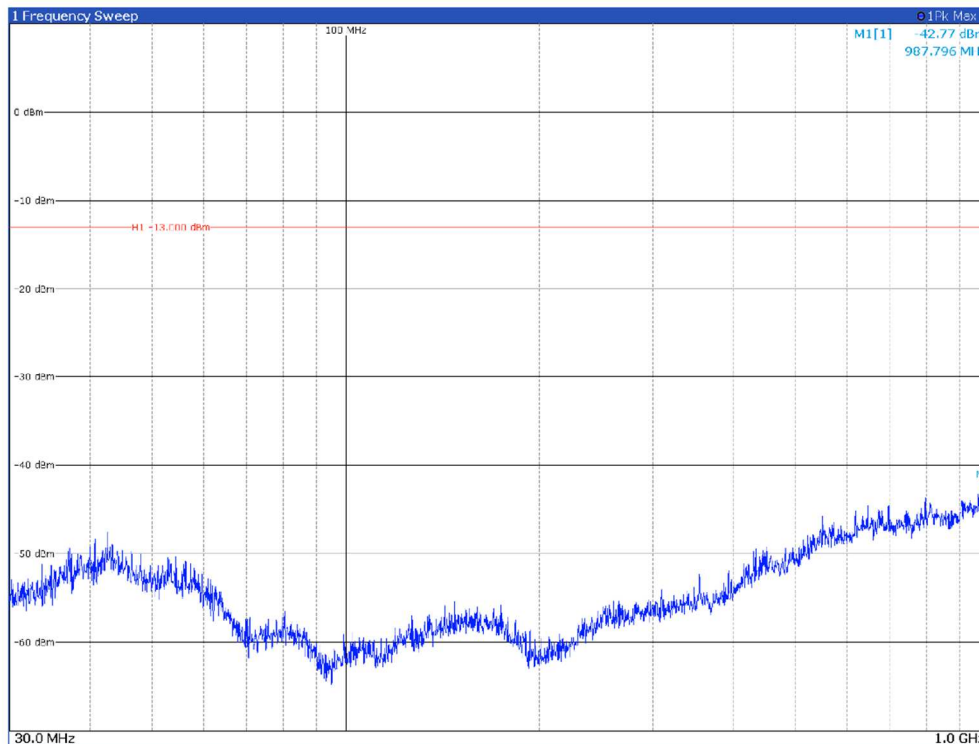
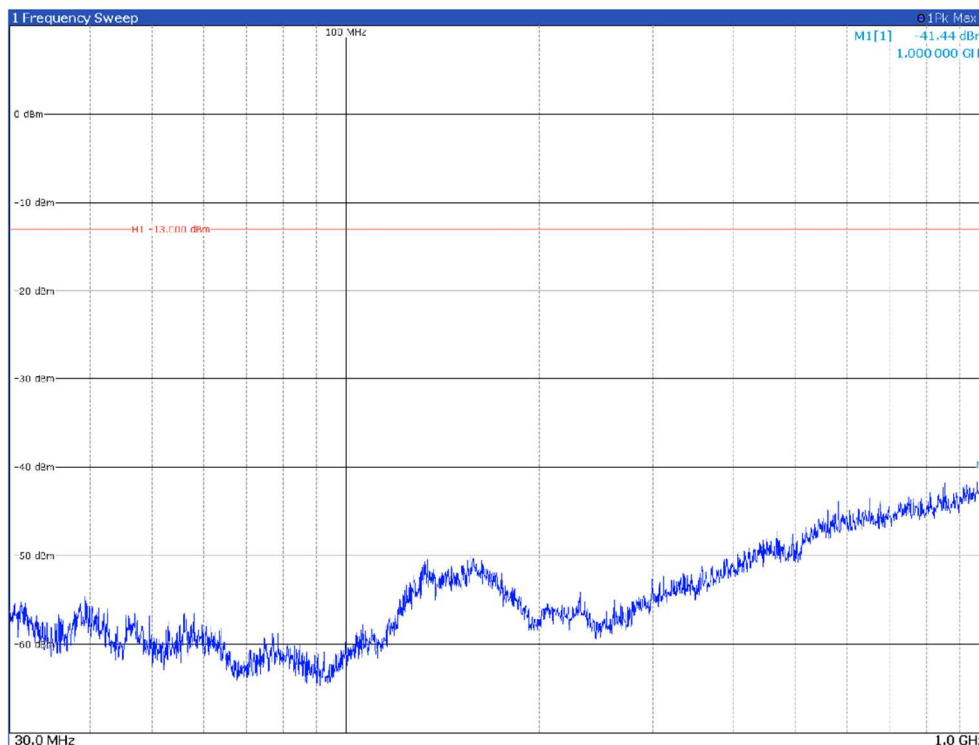


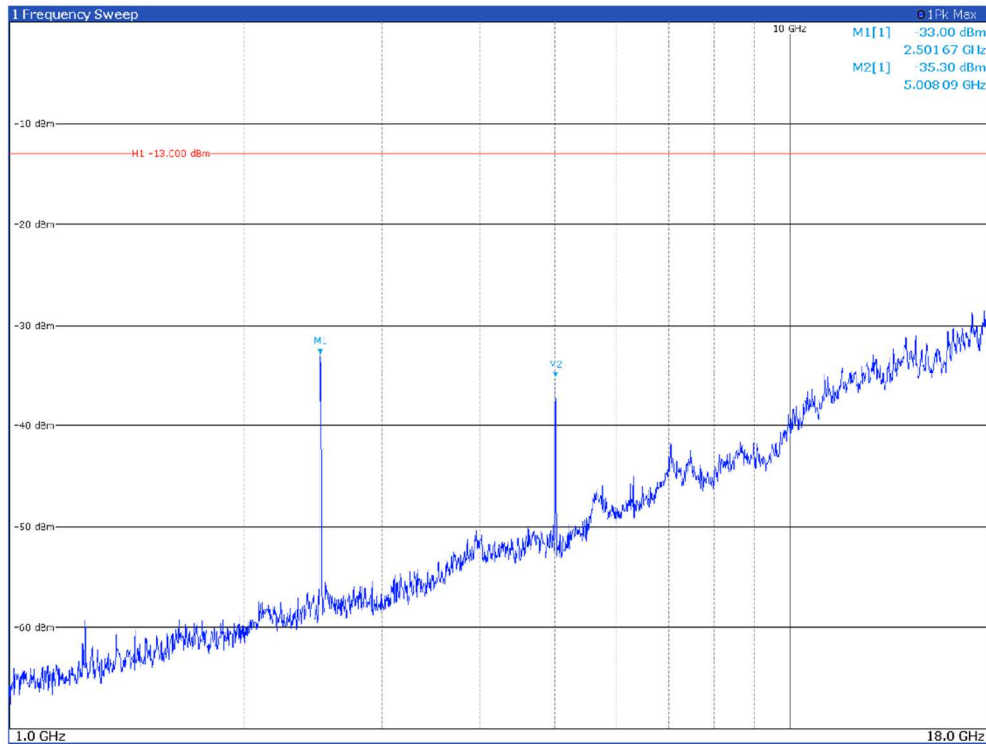
BANDWIDTH: 15 MHz



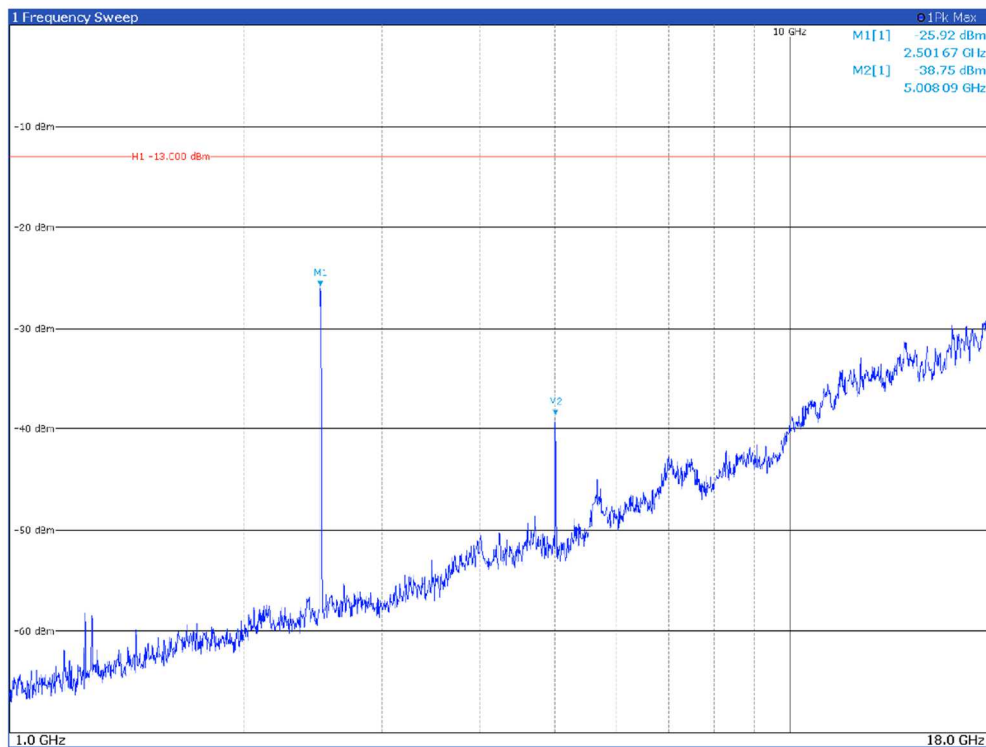
Channel: BOTTOM, Modulation: 64QAM,
BW=15MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



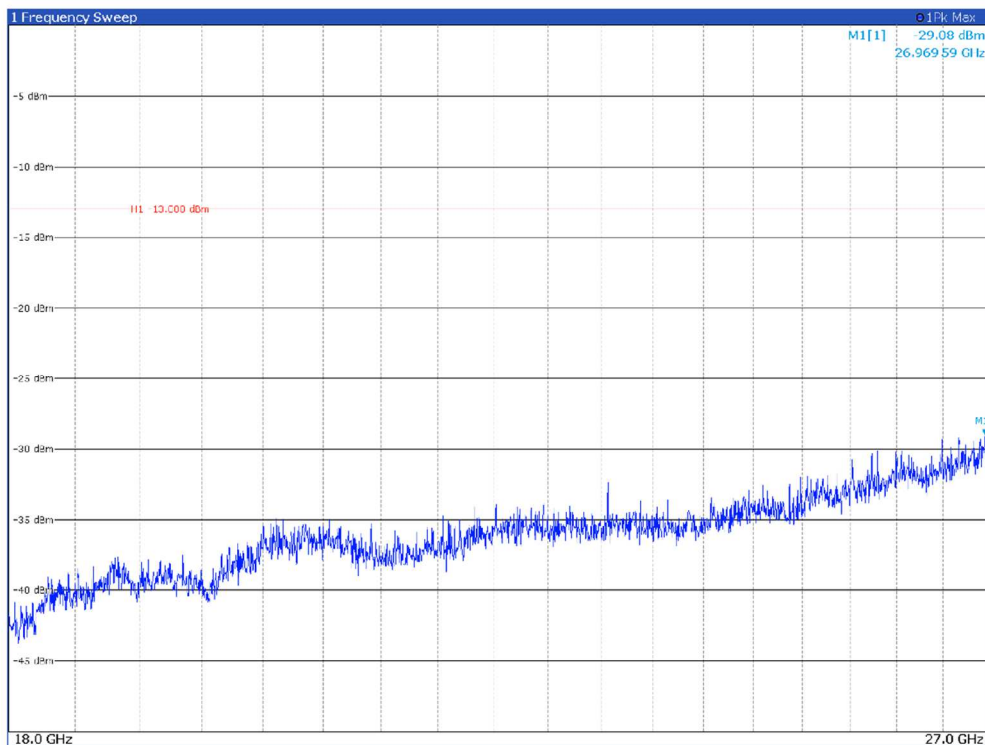
Channel: BOTTOM, Modulation: 64QAM,
BW=15MHz, Range: 30MHz - 1GHz, Polarization: Vertical



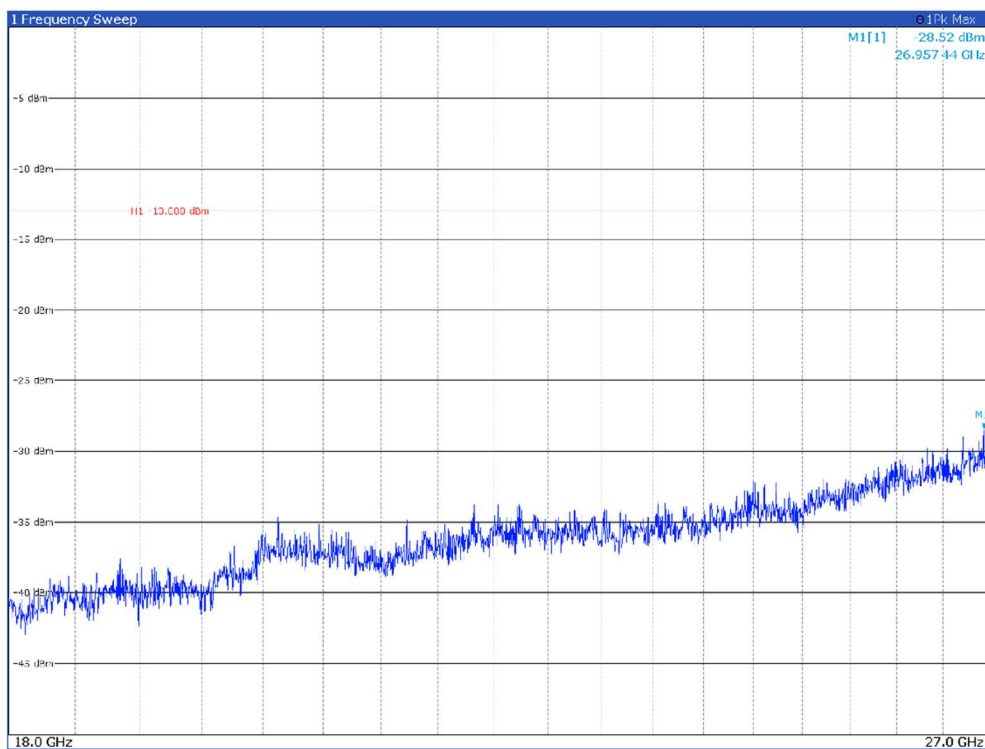
Channel: BOTTOM, Modulation: 64QAM,
BW=15MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



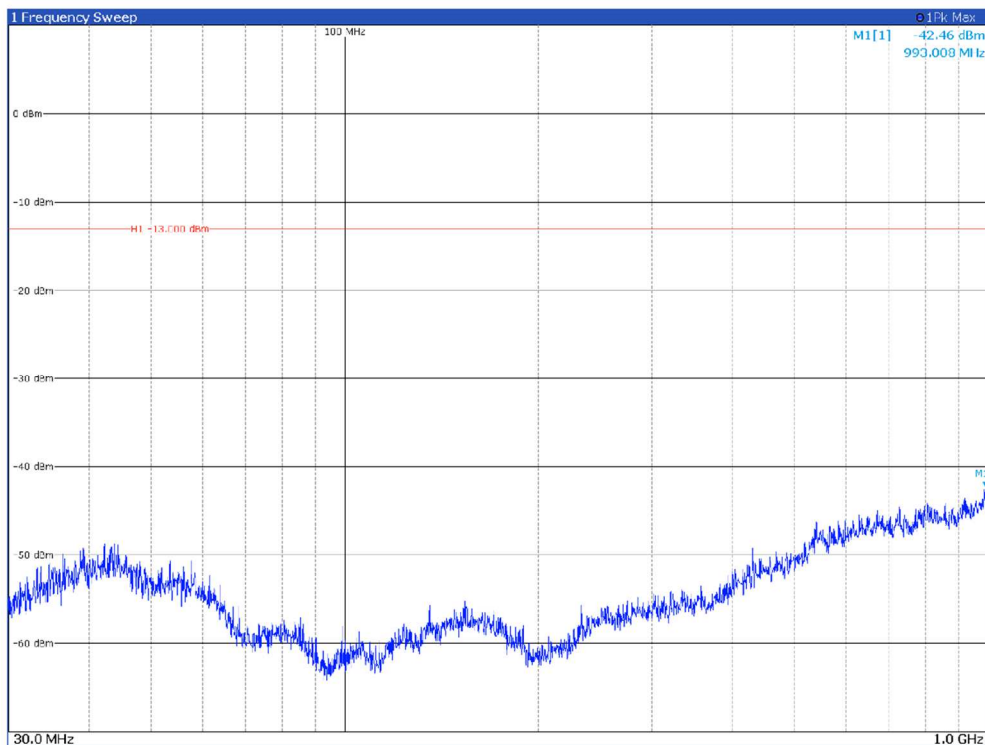
Channel: BOTTOM, Modulation: 64QAM,
BW=15MHz, Range: 1GHz - 18GHz, Polarization: Vertical



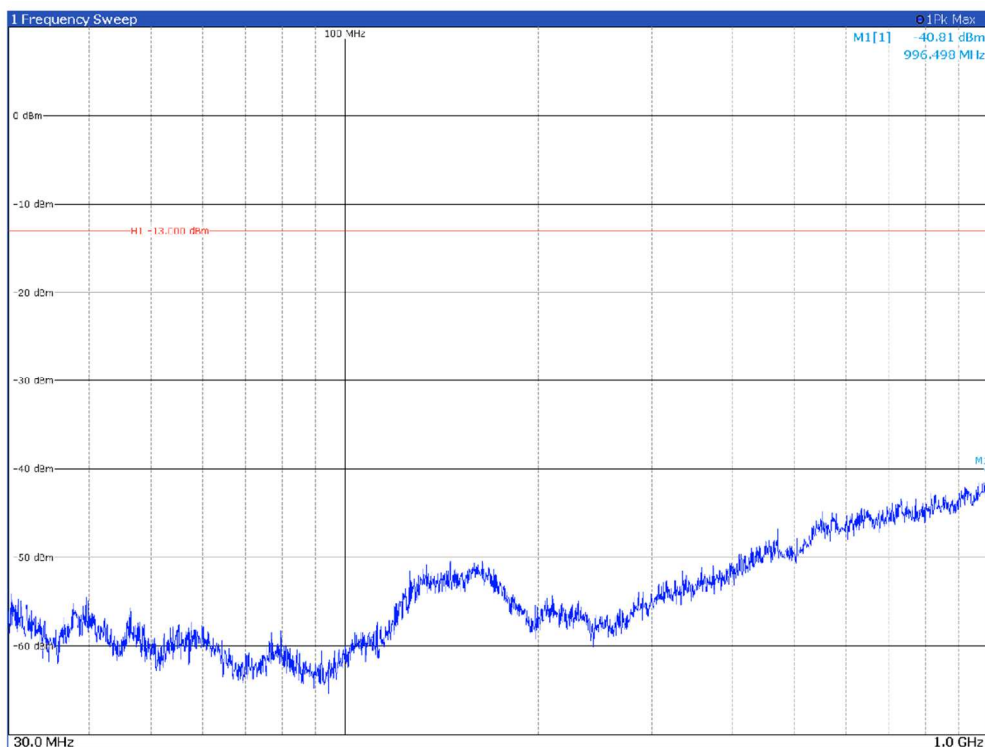
Channel: BOTTOM, Modulation: 64QAM,
BW=15MHz, Range: 18GHz - 27GHz, Polarization: Horizontal



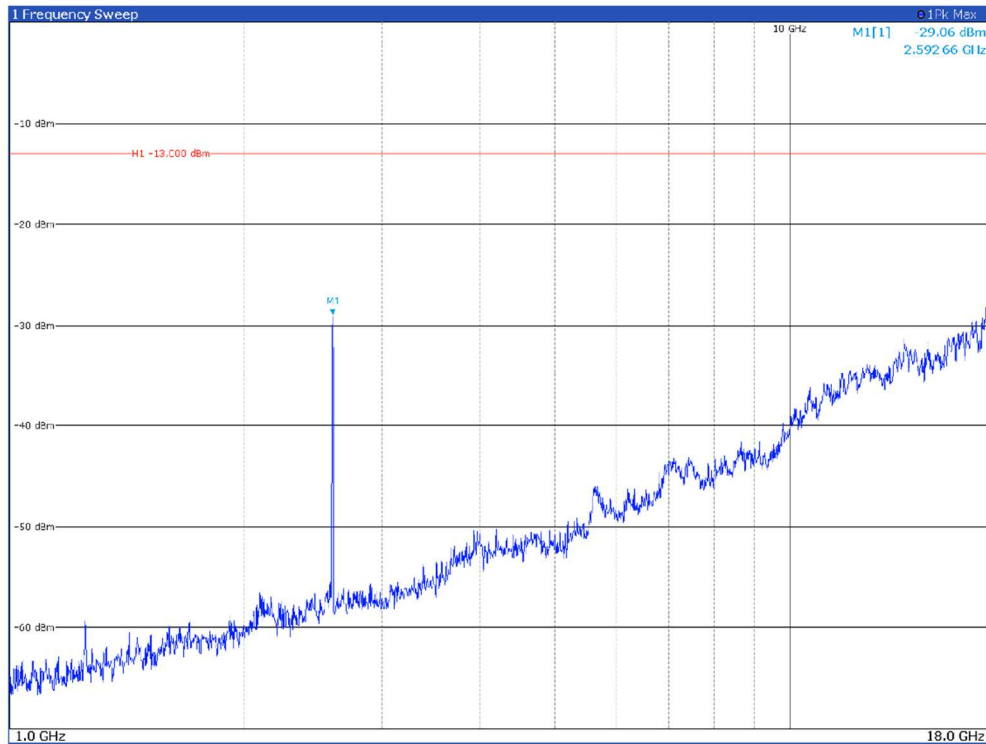
Channel: BOTTOM, Modulation: 64QAM,
BW=15MHz, Range: 18GHz - 27GHz, Polarization: Vertical



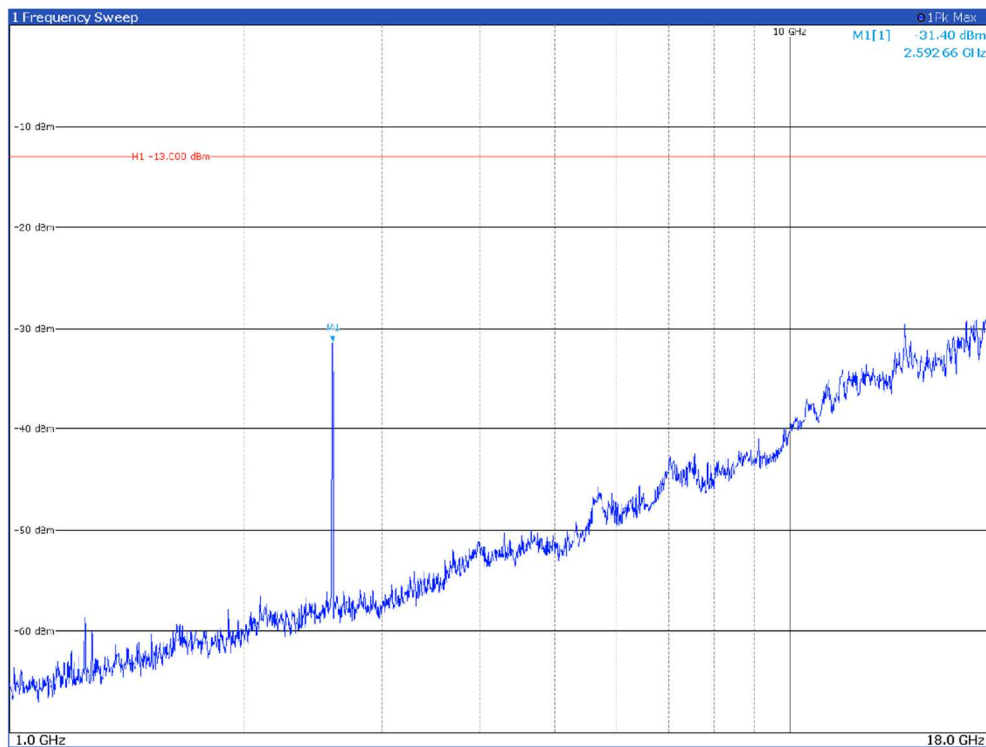
Channel: MIDDLE, Modulation: 64QAM,
BW=15MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



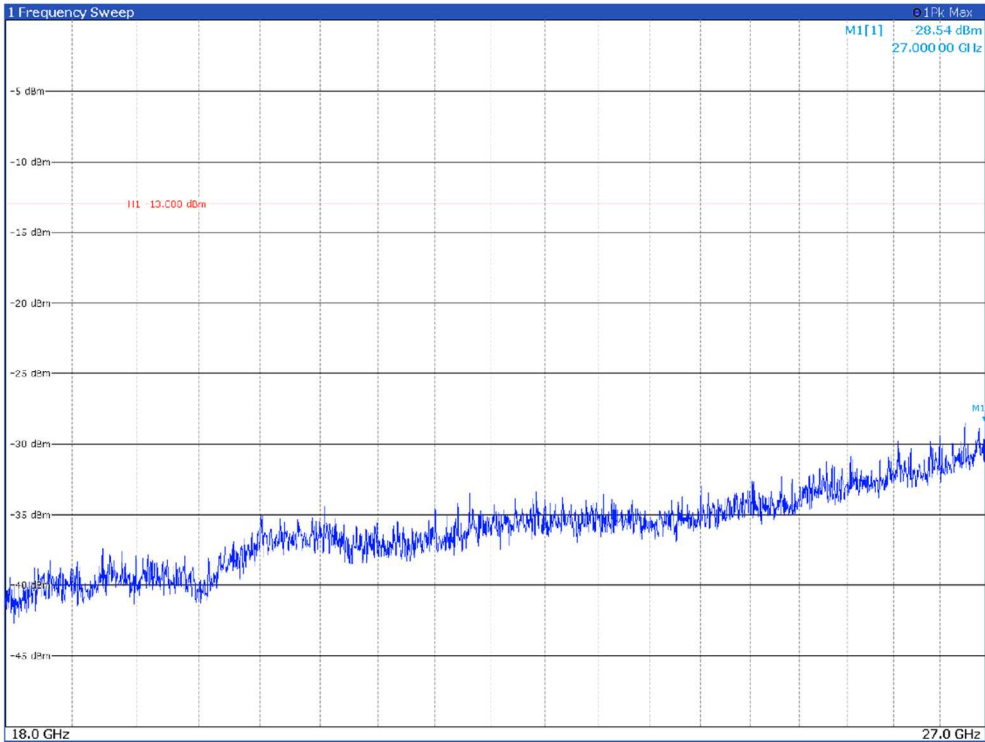
Channel: MIDDLE, Modulation: 64QAM,
BW=15MHz, Range: 30MHz - 1GHz, Polarization: Vertical



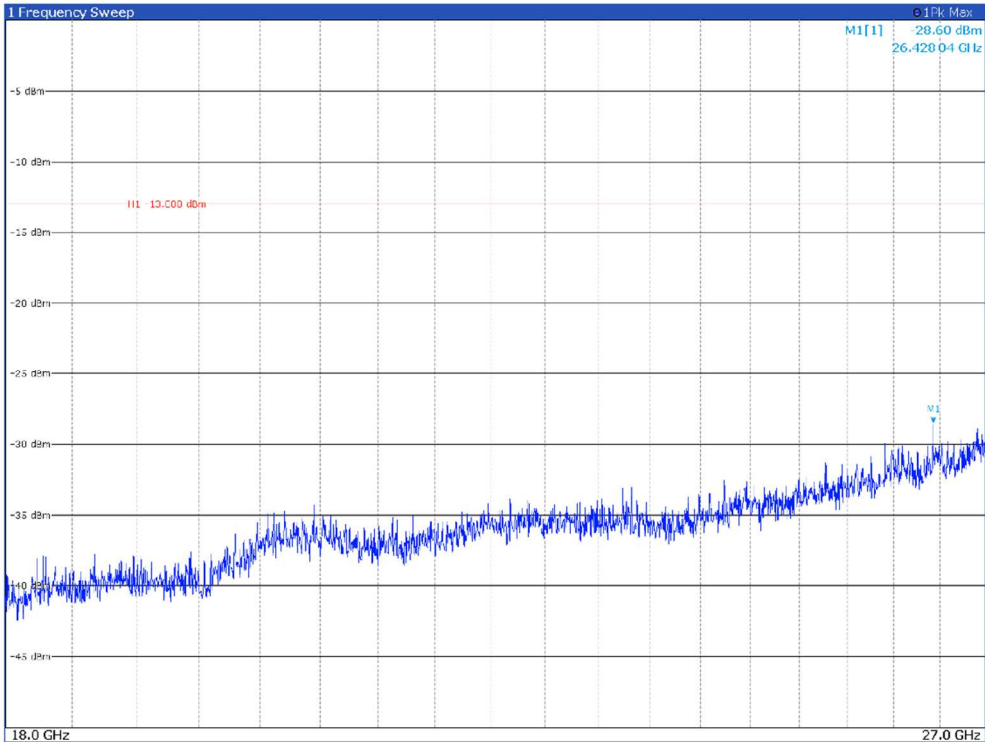
Channel: MIDDLE, Modulation: 64QAM,
BW=15MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



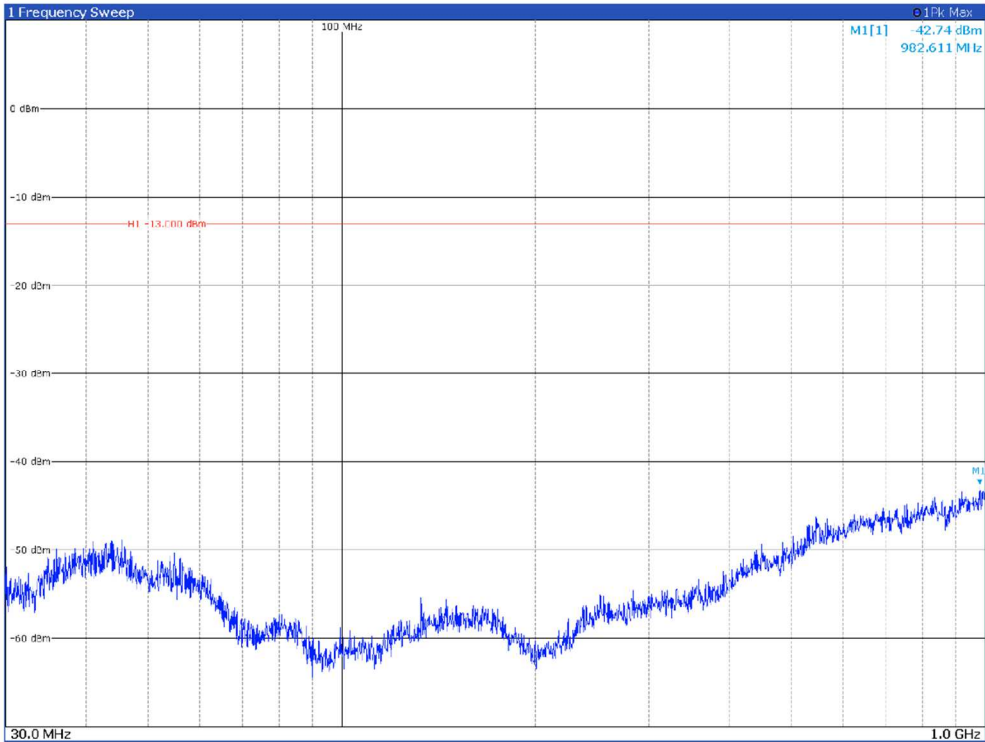
Channel: MIDDLE, Modulation: 64QAM,
BW=15MHz, Range: 1GHz - 18GHz, Polarization: Vertical



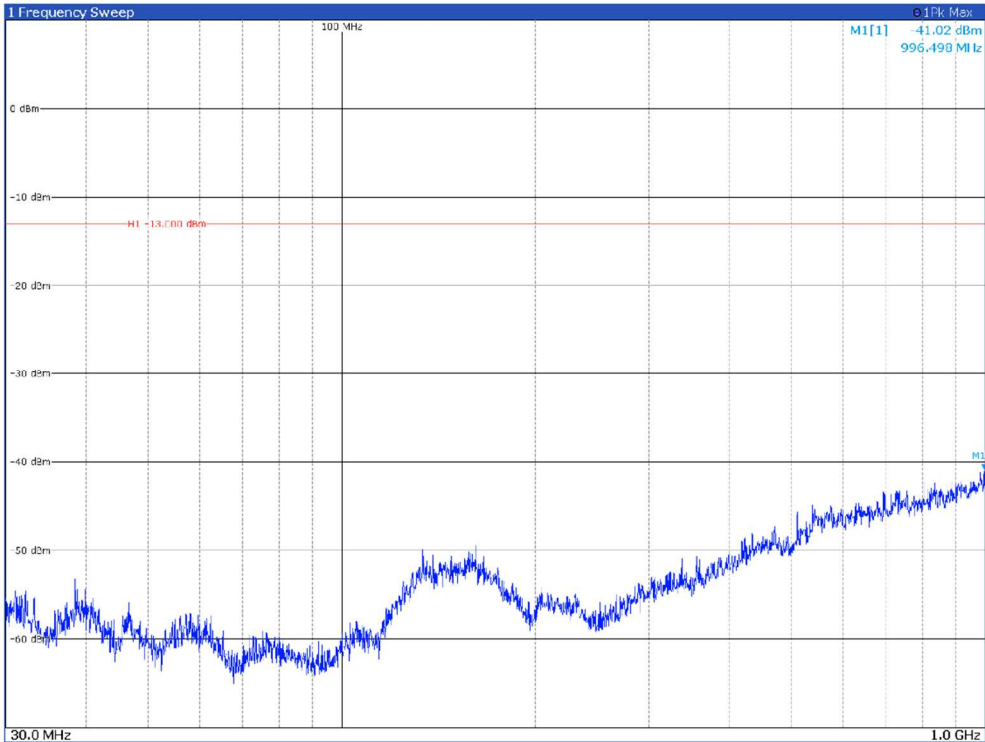
Channel: MIDDLE, Modulation: 64QAM,
BW=15MHz, Range: 18GHz - 27GHz, Polarization: Horizontal



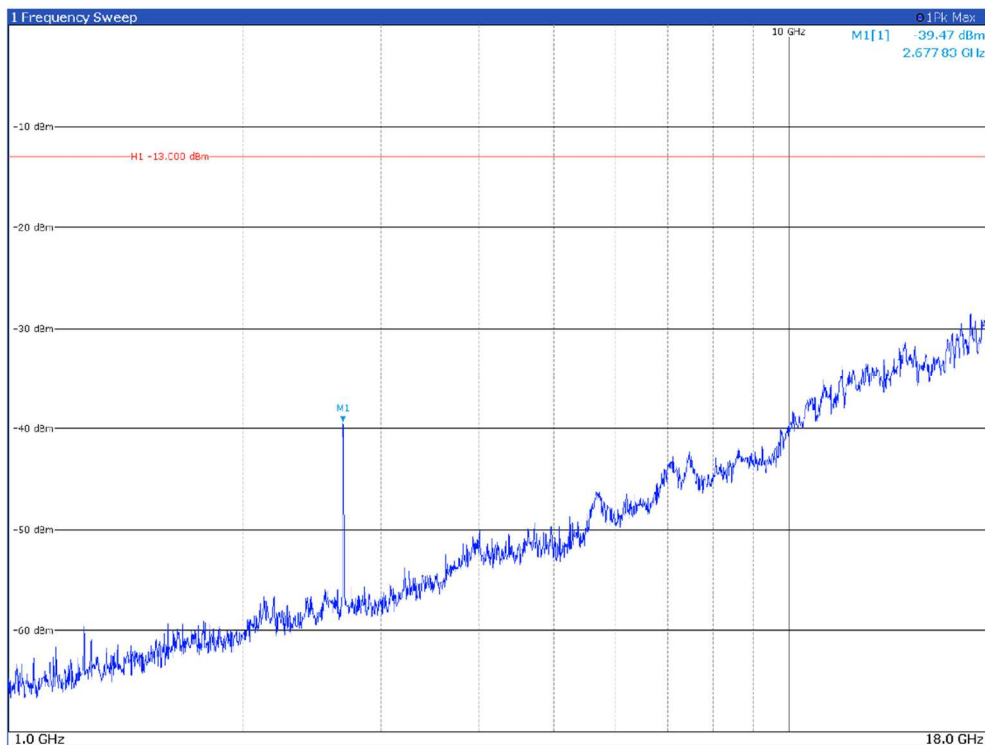
Channel: MIDDLE, Modulation: 64QAM,
BW=15MHz, Range: 18GHz - 27GHz, Polarization: Vertical



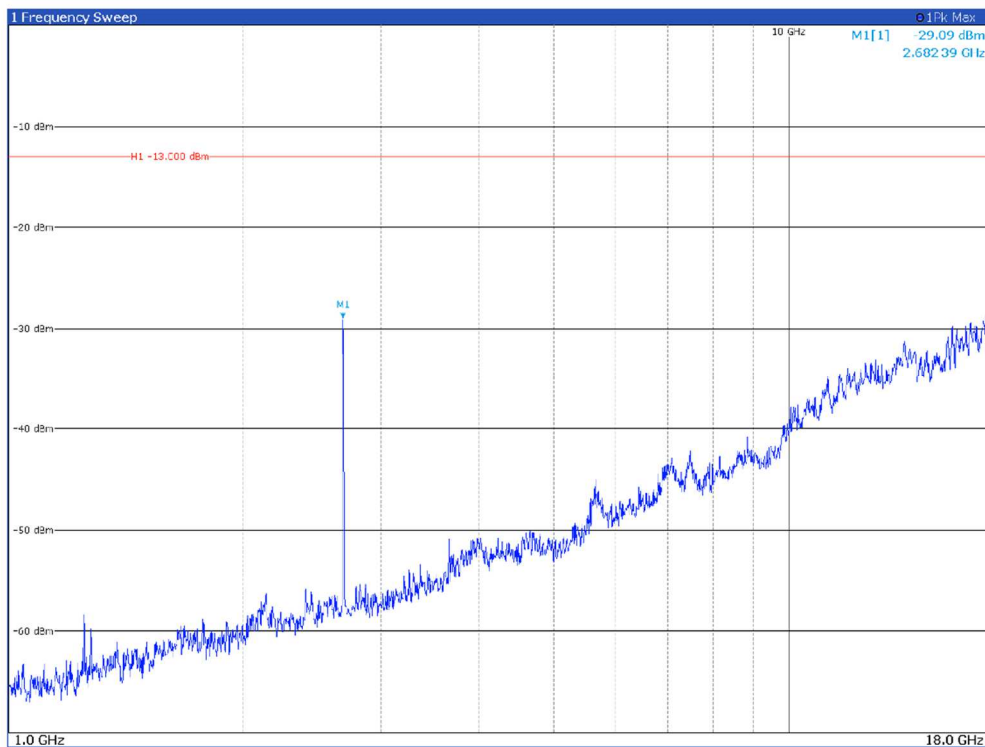
Channel: TOP, Modulation: 64QAM,
BW=15MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



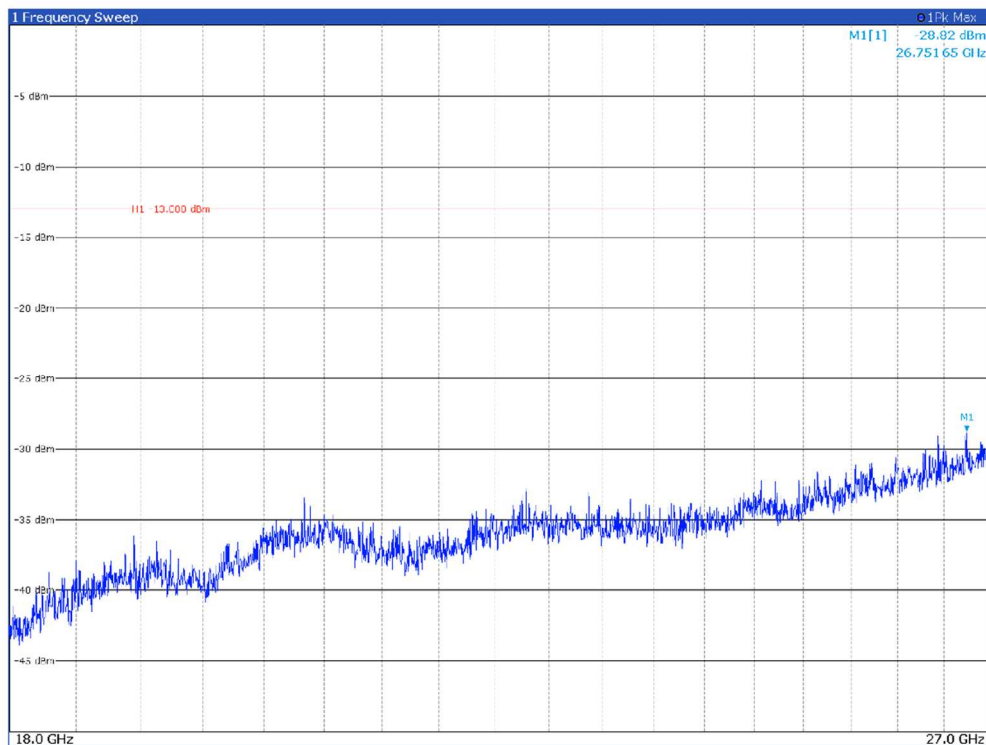
Channel: TOP, Modulation: 64QAM,
BW=15MHz, Range: 30MHz - 1GHz, Polarization: Vertical



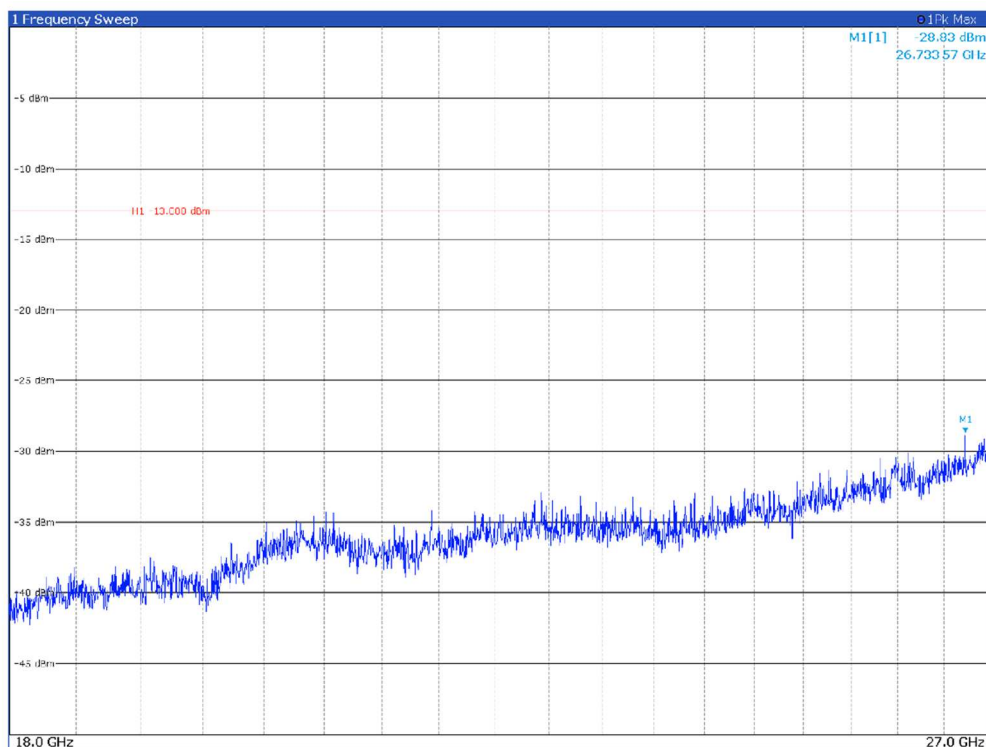
Channel: TOP, Modulation: 64QAM,
BW=15MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



Channel: TOP, Modulation: 64QAM,
BW=15MHz, Range: 1GHz - 18GHz, Polarization: Vertical

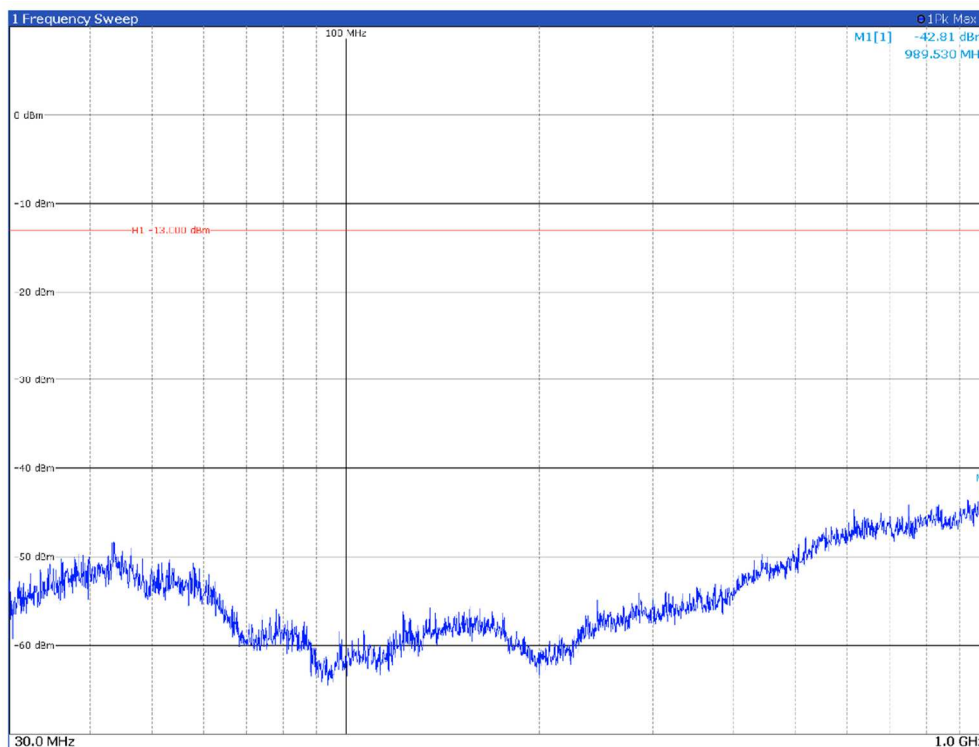


Channel: TOP, Modulation: 64QAM,
BW=15MHz, Range: 18GHz - 27GHz, Polarization: Horizontal

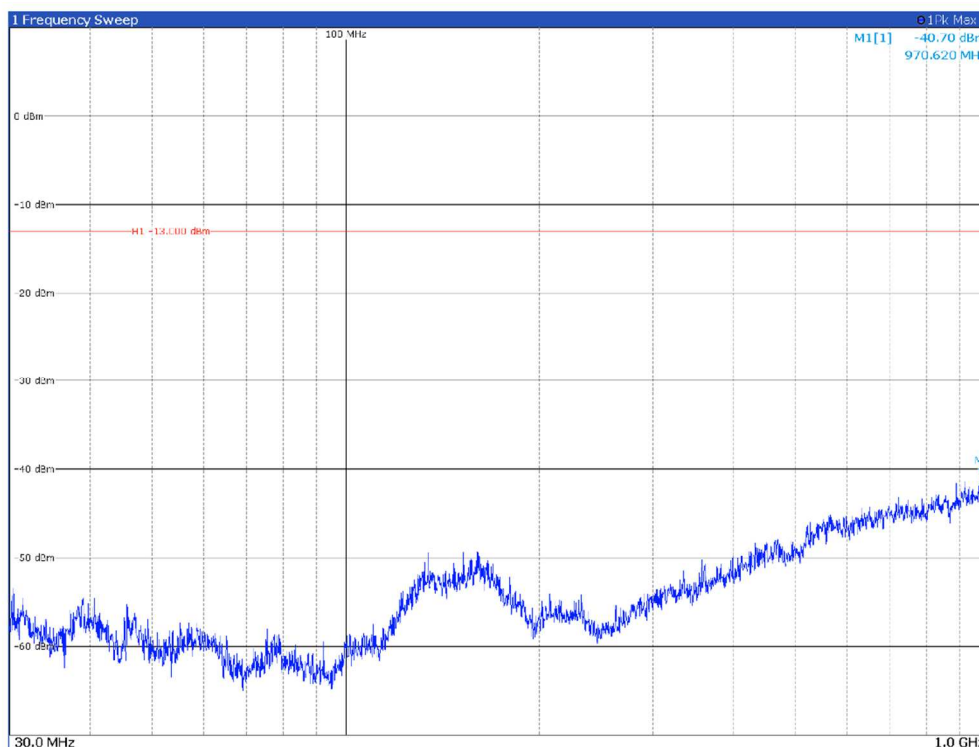


Channel: TOP, Modulation: 64QAM,
BW=15MHz, Range: 18GHz - 27GHz, Polarization: Vertical

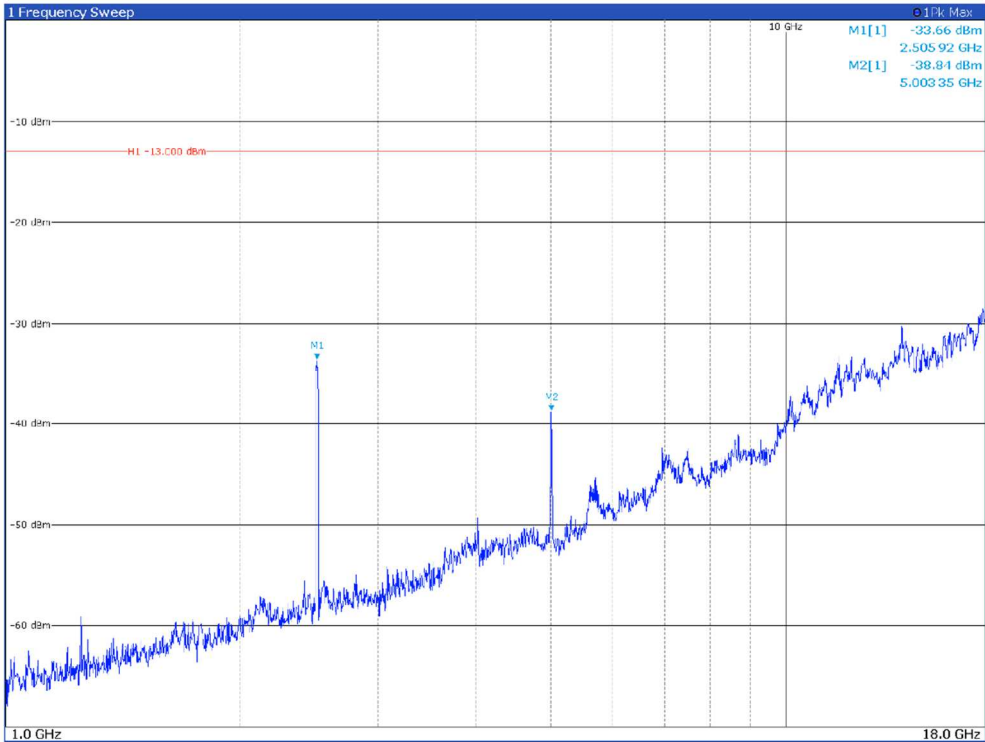
BANDWIDTH: 20 MHz



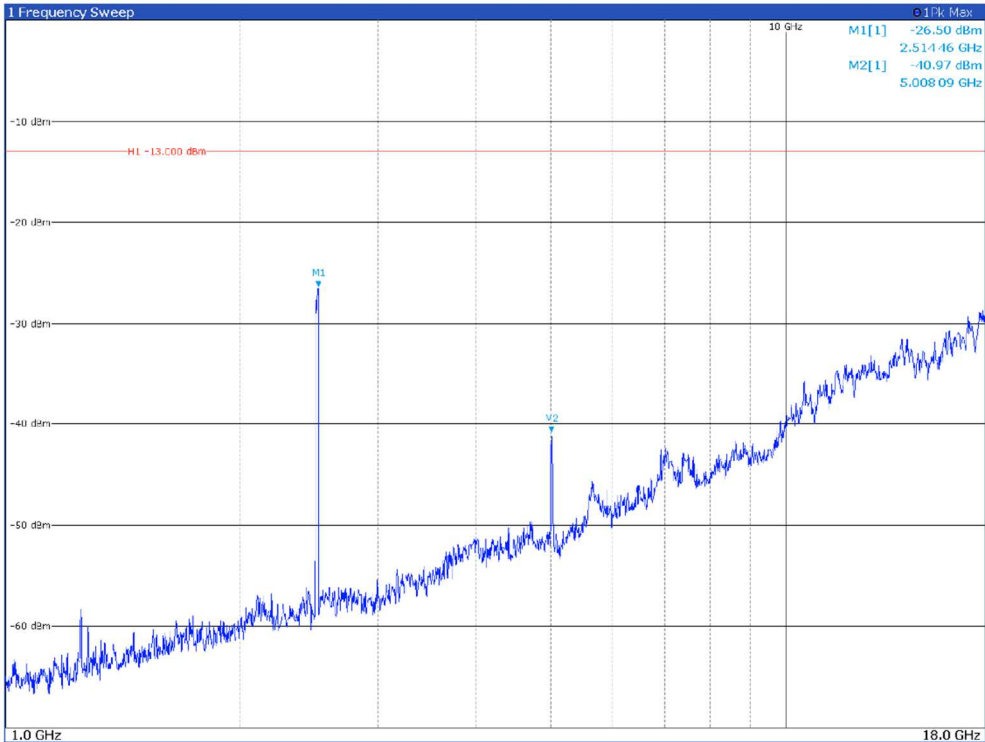
Channel: BOTTOM, Modulation: 64QAM,
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



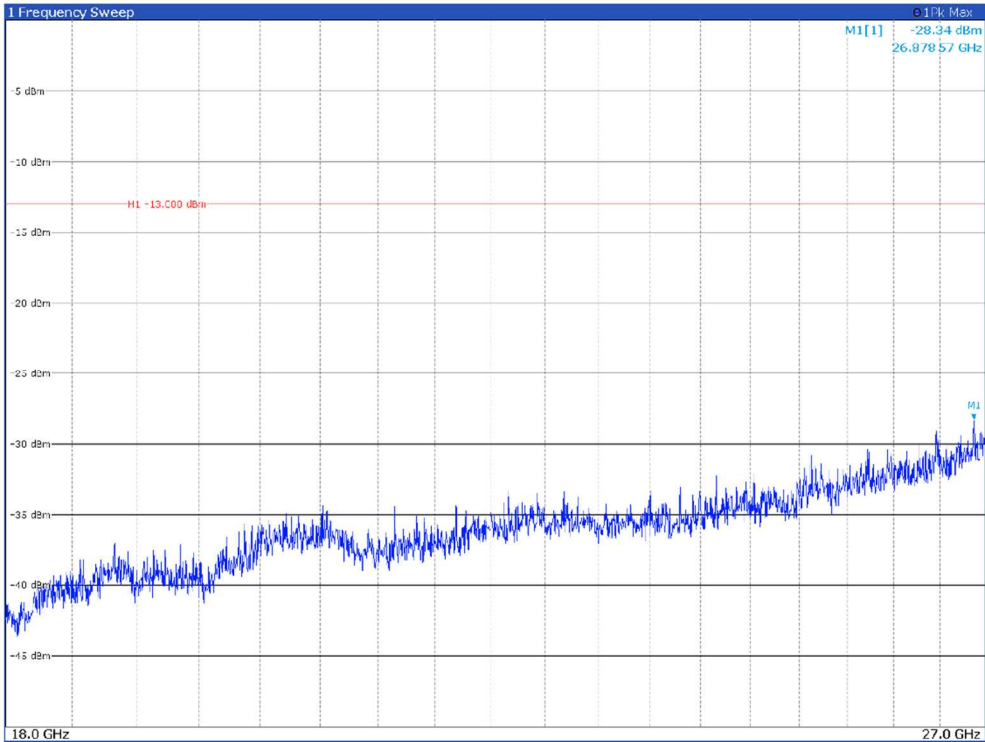
Channel: BOTTOM, Modulation: 64QAM,
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Vertical



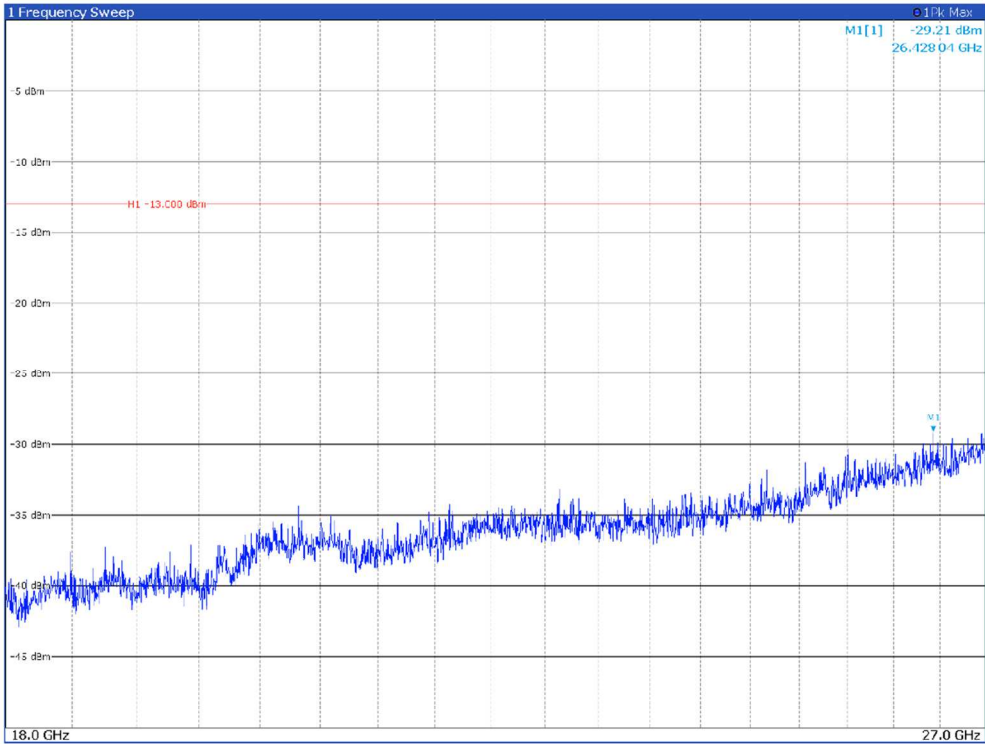
Channel: BOTTOM, Modulation: 64QAM,
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



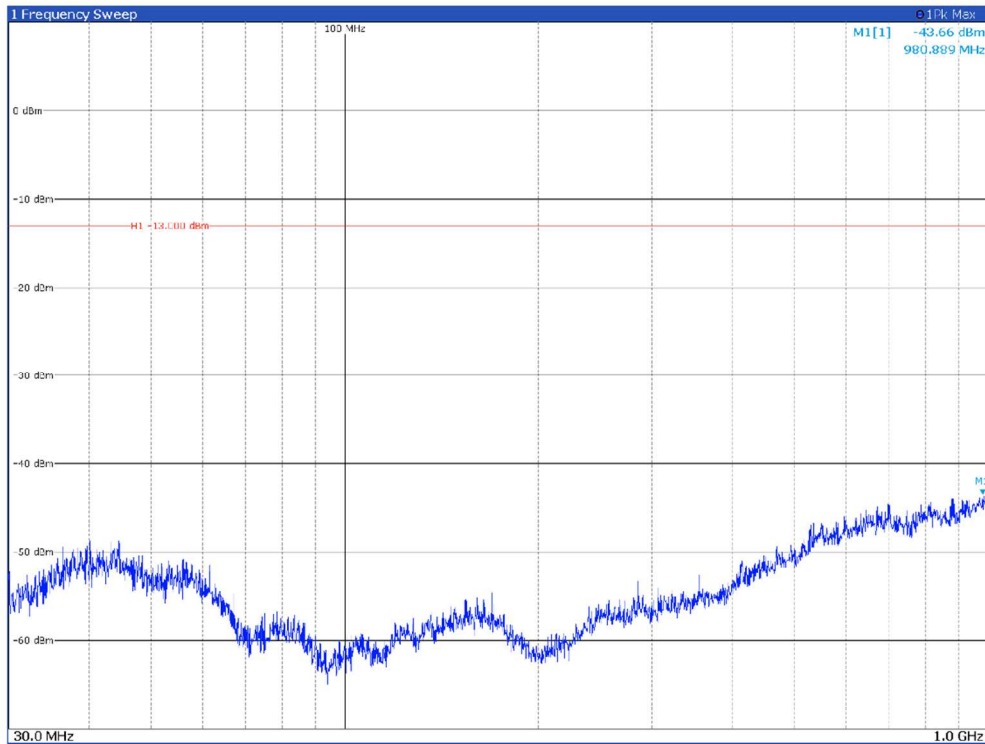
Channel: BOTTOM, Modulation: 64QAM,
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical



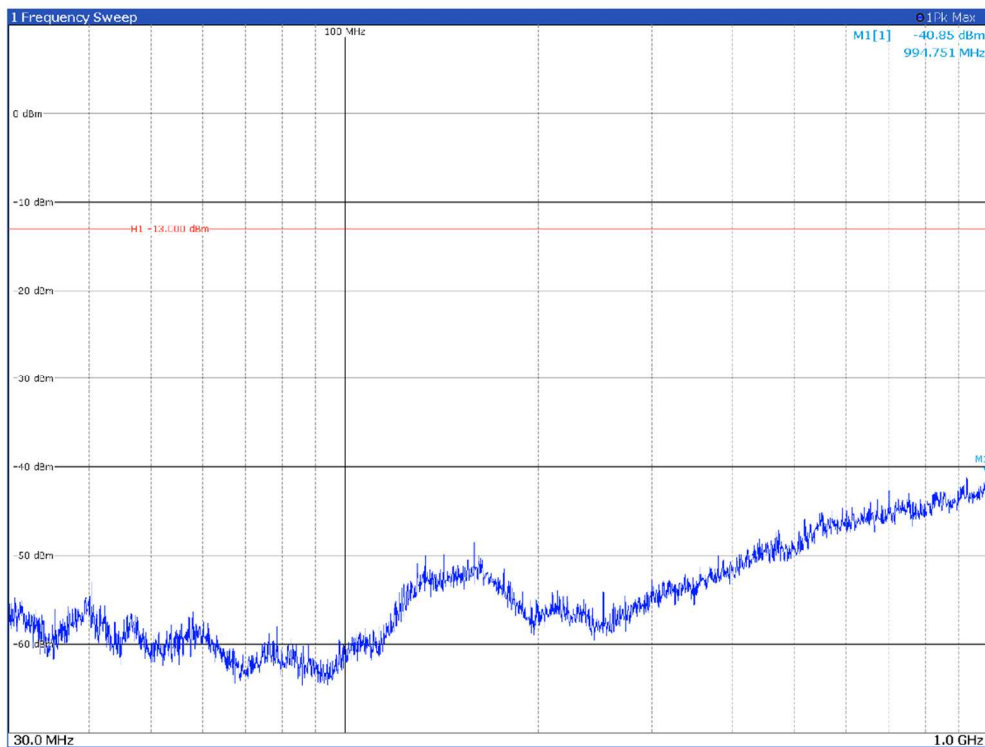
Channel: BOTTOM, Modulation: 64QAM,
BW=20MHz, Range: 18GHz - 27GHz, Polarization: Horizontal



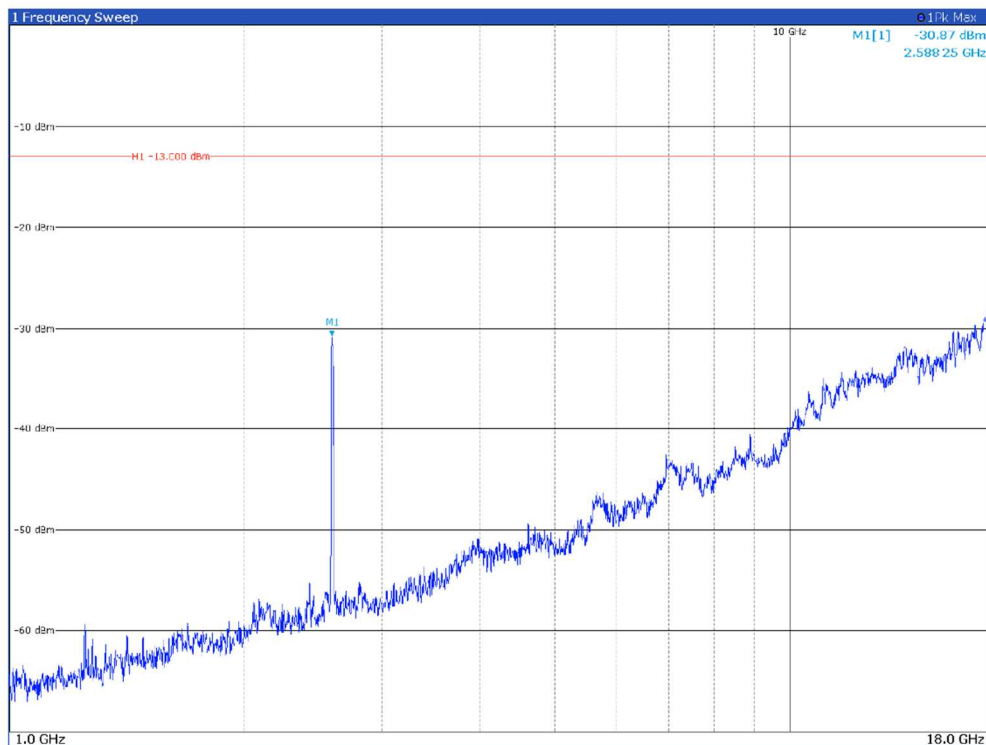
Channel: BOTTOM, Modulation: 64QAM,
BW=20MHz, Range: 18GHz - 27GHz, Polarization: Vertical



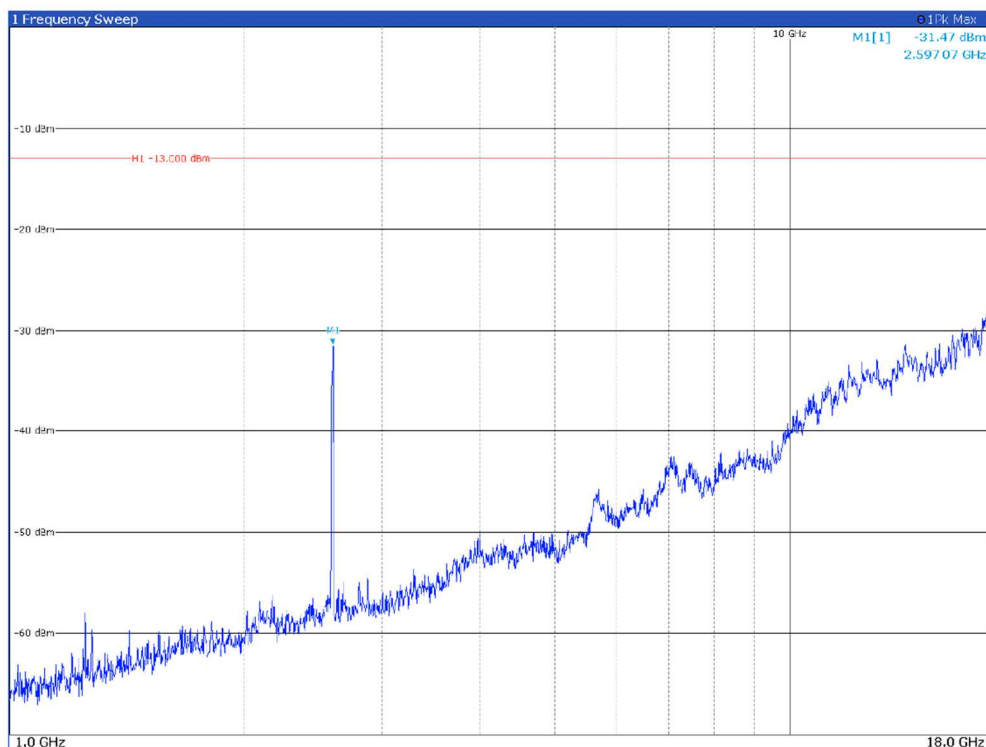
Channel: MIDDLE, Modulation: 64QAM,
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



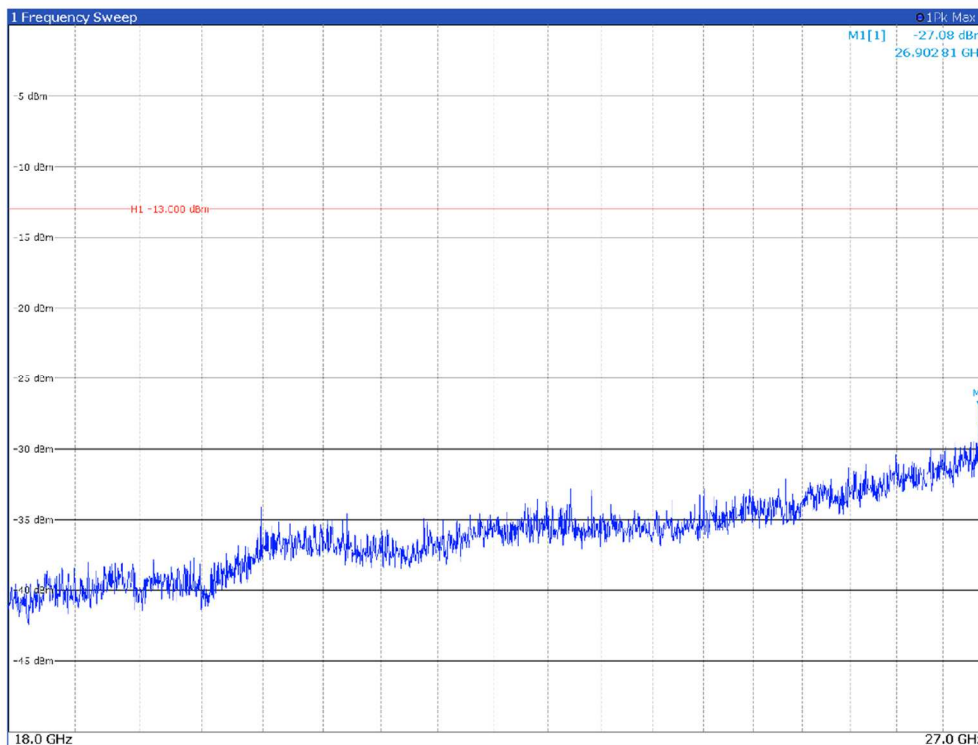
Channel: MIDDLE, Modulation: 64QAM,
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Vertical



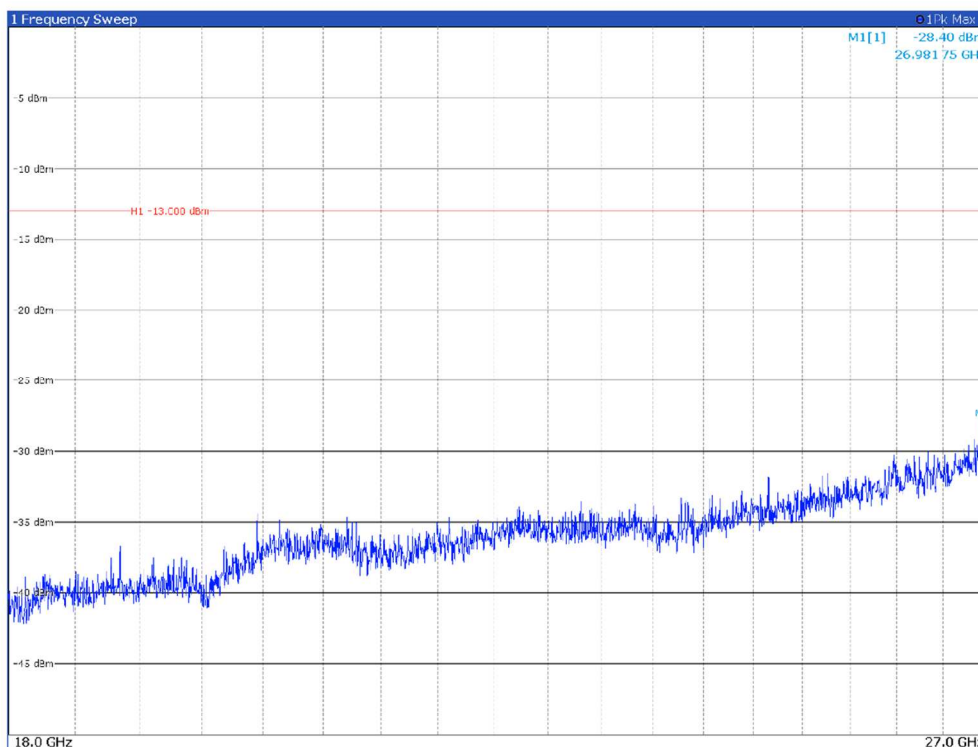
Channel: MIDDLE, Modulation: 64QAM,
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



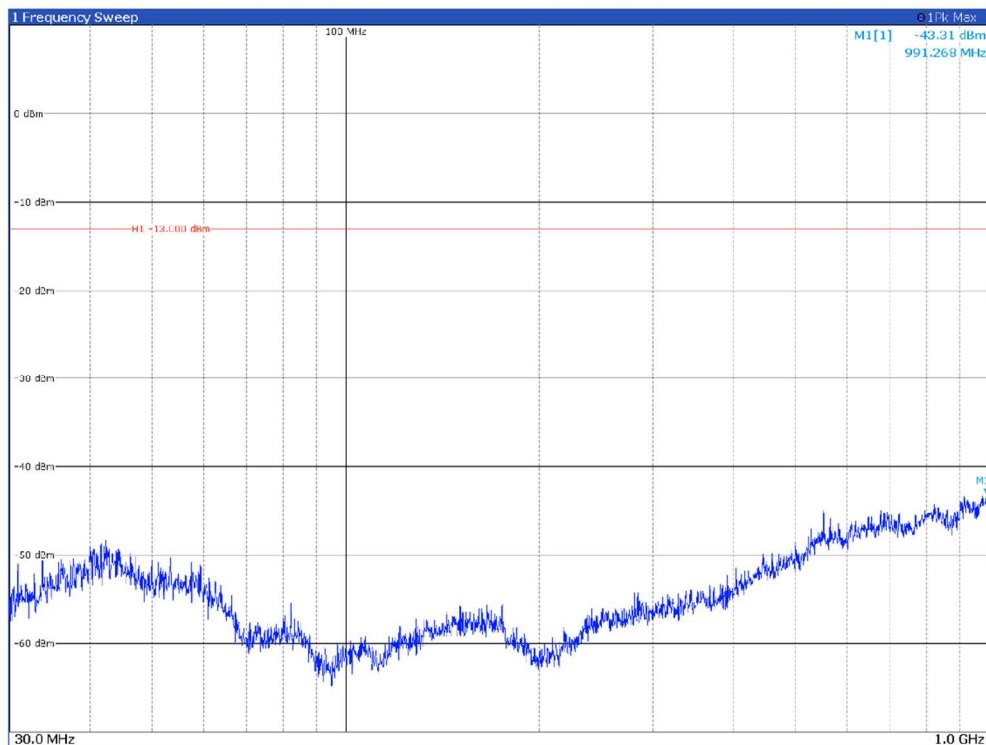
Channel: MIDDLE, Modulation: 64QAM,
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical



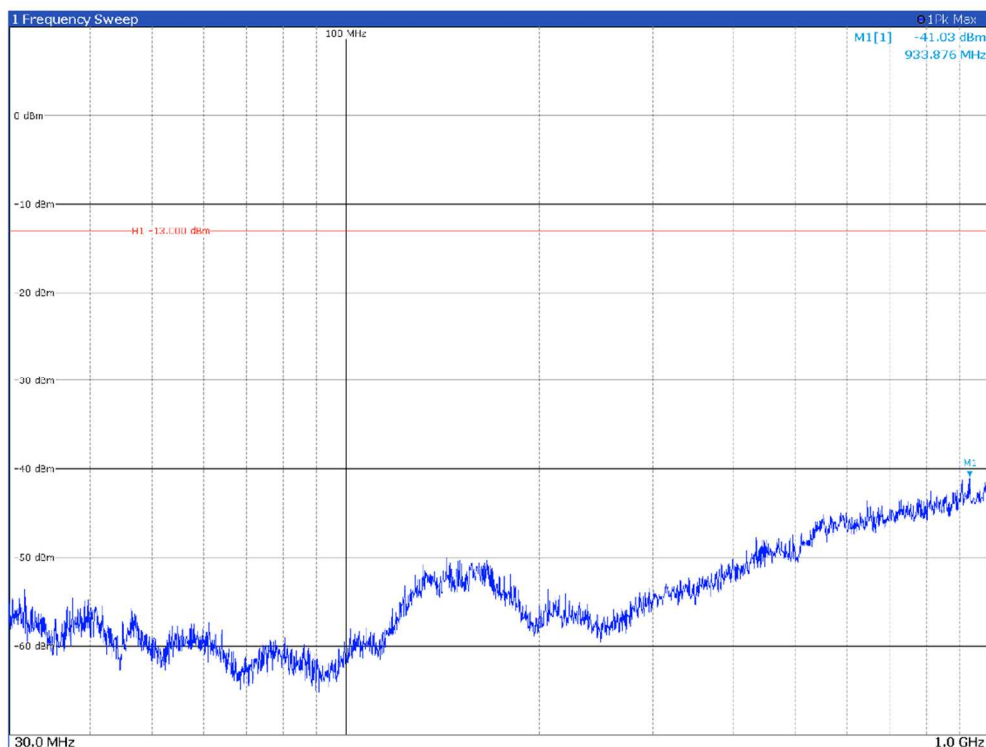
Channel: MIDDLE, Modulation: 64QAM,
BW=20MHz, Range: 18GHz - 27GHz, Polarization: Horizontal



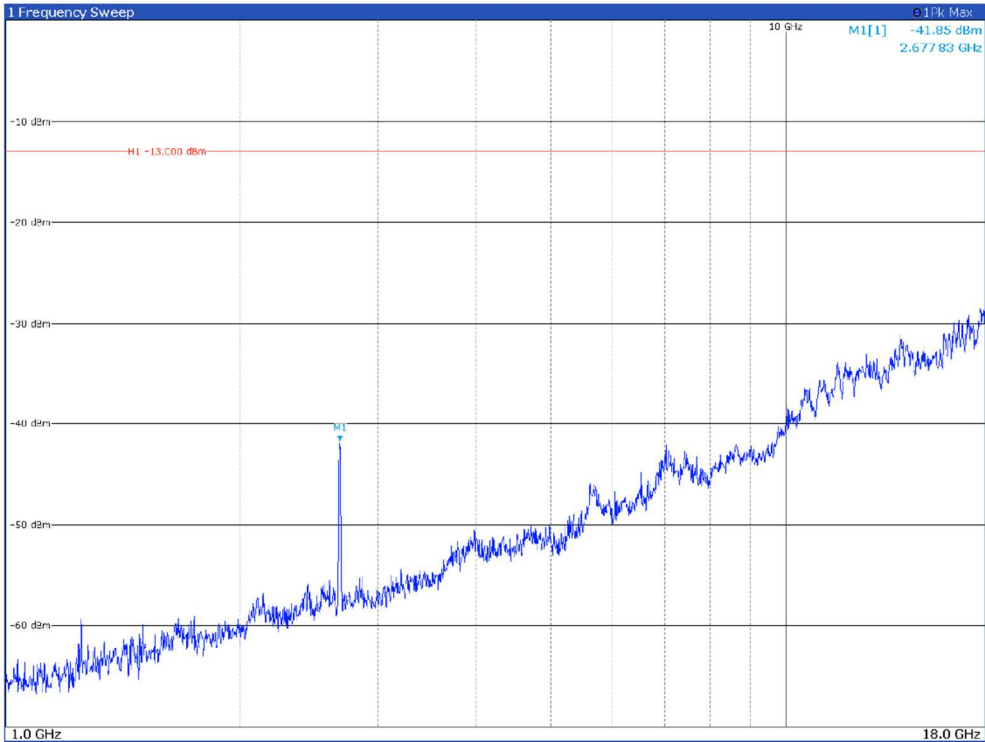
Channel: MIDDLE, Modulation: 64QAM,
BW=20MHz, Range: 18GHz - 27GHz, Polarization: Vertical



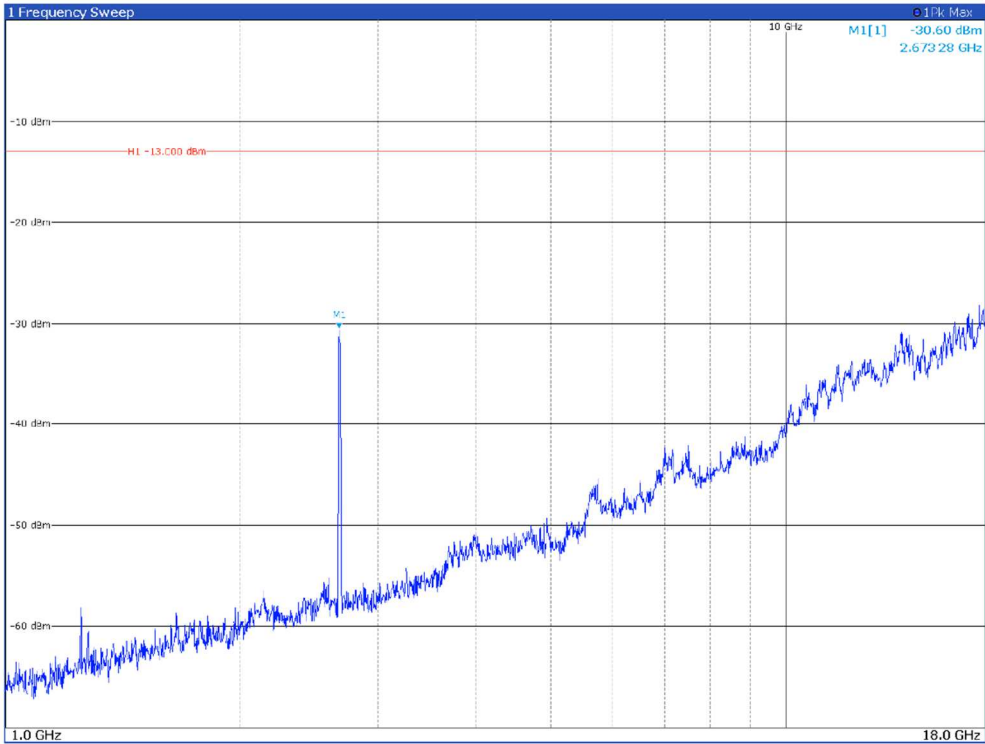
Channel: TOP, Modulation: 64QAM,
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



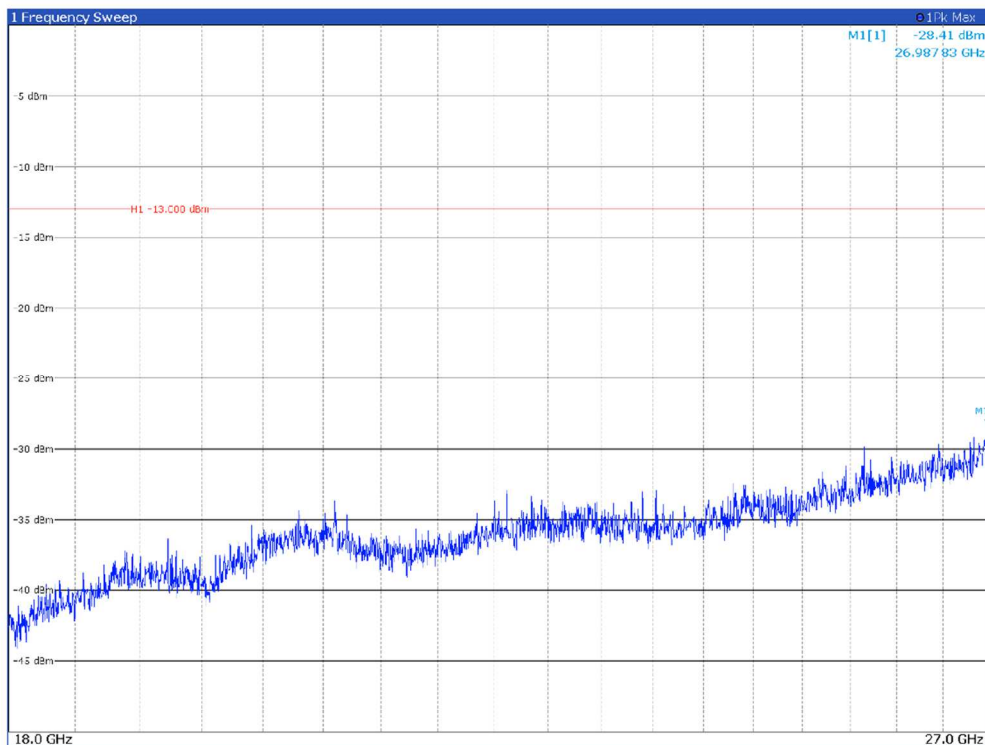
Channel: TOP, Modulation: 64QAM,
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Vertical



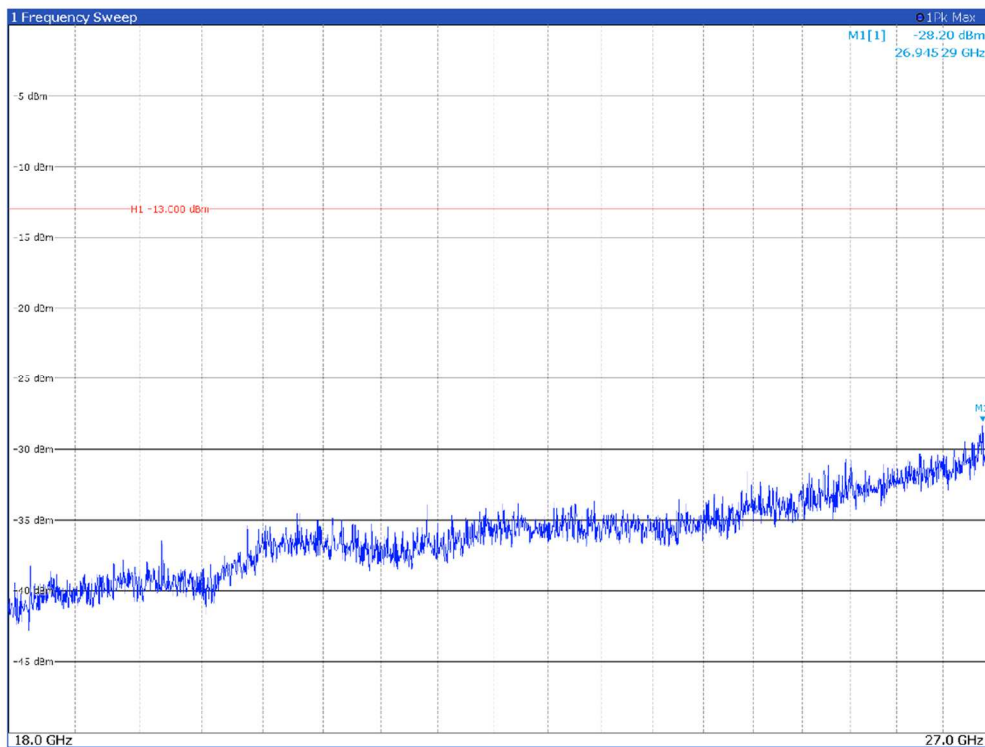
Channel: TOP, Modulation: 64QAM,
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



Channel: TOP, Modulation: 64QAM,
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical



Channel: TOP, Modulation: 64QAM,
BW=20MHz, Range: 18GHz - 27GHz, Polarization: Horizontal



Channel: TOP, Modulation: 64QAM,
BW=20MHz, Range: 18GHz - 27GHz, 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: 06/09/2022 to 06/24/2022

Test results: Pass

Special notes

Test are performed at 85% (90Vac) and 115% (264Vac) of the primary supply voltage and the same result was found.

Test equipment used

Equipment	Manufacturer	Model No.	Asset/Serial No.
Spectrum Analyzer	Agilent	N9030B PXA	MY61330632
Climatic Chambre	Angelantoni	ACS-Hygros 600	7237

Test data

RF PORT 1

Temperature = -30°C				
Channel	Signal	Modulation	Frequency Error	Measurement unit
BOTTOM	LTE 5 MHz	QPSK	8.811	Hz
BOTTOM	LTE 5 MHz	16QAM	1.386	Hz
BOTTOM	LTE 5 MHz	64QAM	-7.813	Hz
BOTTOM	LTE 5 MHz	256QAM	1.734	Hz
MIDDLE	LTE 5 MHz	QPSK	8.291	Hz
MIDDLE	LTE 5 MHz	16QAM	8.641	Hz
MIDDLE	LTE 5 MHz	64QAM	-1.500	Hz
MIDDLE	LTE 5 MHz	256QAM	4.744	Hz
TOP	LTE 5 MHz	QPSK	4.840	Hz
TOP	LTE 5 MHz	16QAM	0.561	Hz
TOP	LTE 5 MHz	64QAM	1.065	Hz
TOP	LTE 5 MHz	256QAM	4.559	Hz
BOTTOM	LTE 10 MHz	QPSK	4.747	Hz
BOTTOM	LTE 10 MHz	16QAM	9.375	Hz
BOTTOM	LTE 10 MHz	64QAM	-9.864	Hz
BOTTOM	LTE 10 MHz	256QAM	8.399	Hz
MIDDLE	LTE 10 MHz	QPSK	2.562	Hz
MIDDLE	LTE 10 MHz	16QAM	6.518	Hz
MIDDLE	LTE 10 MHz	64QAM	-2.728	Hz
MIDDLE	LTE 10 MHz	256QAM	4.962	Hz
TOP	LTE 10 MHz	QPSK	6.630	Hz
TOP	LTE 10 MHz	16QAM	0.021	Hz
TOP	LTE 10 MHz	64QAM	11.552	Hz
TOP	LTE 10 MHz	256QAM	2.731	Hz
BOTTOM	LTE 15 MHz	QPSK	7.429	Hz
BOTTOM	LTE 15 MHz	16QAM	3.564	Hz
BOTTOM	LTE 15 MHz	64QAM	-2.521	Hz
BOTTOM	LTE 15 MHz	256QAM	8.893	Hz
MIDDLE	LTE 15 MHz	QPSK	4.266	Hz
MIDDLE	LTE 15 MHz	16QAM	2.941	Hz
MIDDLE	LTE 15 MHz	64QAM	6.936	Hz
MIDDLE	LTE 15 MHz	256QAM	1.746	Hz
TOP	LTE 15 MHz	QPSK	7.444	Hz
TOP	LTE 15 MHz	16QAM	1.460	Hz
TOP	LTE 15 MHz	64QAM	3.479	Hz
TOP	LTE 15 MHz	256QAM	5.828	Hz
BOTTOM	LTE 20 MHz	QPSK	9.728	Hz
BOTTOM	LTE 20 MHz	16QAM	9.279	Hz
BOTTOM	LTE 20 MHz	64QAM	1.409	Hz
BOTTOM	LTE 20 MHz	256QAM	0.633	Hz
MIDDLE	LTE 20 MHz	QPSK	2.994	Hz
MIDDLE	LTE 20 MHz	16QAM	6.544	Hz
MIDDLE	LTE 20 MHz	64QAM	-6.060	Hz
MIDDLE	LTE 20 MHz	256QAM	5.192	Hz
TOP	LTE 20 MHz	QPSK	1.533	Hz
TOP	LTE 20 MHz	16QAM	1.285	Hz
TOP	LTE 20 MHz	64QAM	-7.591	Hz
TOP	LTE 20 MHz	256QAM	10.803	Hz

Temperature = -20°C				
Channel	Signal	Modulation	Frequency Error	Measurement unit
BOTTOM	LTE 5 MHz	QPSK	8.093	Hz
BOTTOM	LTE 5 MHz	16QAM	1.159	Hz
BOTTOM	LTE 5 MHz	64QAM	5.860	Hz
BOTTOM	LTE 5 MHz	256QAM	1.819	Hz
MIDDLE	LTE 5 MHz	QPSK	10.351	Hz
MIDDLE	LTE 5 MHz	16QAM	0.273	Hz
MIDDLE	LTE 5 MHz	64QAM	0.268	Hz
MIDDLE	LTE 5 MHz	256QAM	6.664	Hz
TOP	LTE 5 MHz	QPSK	4.051	Hz
TOP	LTE 5 MHz	16QAM	6.561	Hz
TOP	LTE 5 MHz	64QAM	5.299	Hz
TOP	LTE 5 MHz	256QAM	8.945	Hz
BOTTOM	LTE 10 MHz	QPSK	3.719	Hz
BOTTOM	LTE 10 MHz	16QAM	4.311	Hz
BOTTOM	LTE 10 MHz	64QAM	0.022	Hz
BOTTOM	LTE 10 MHz	256QAM	0.346	Hz
MIDDLE	LTE 10 MHz	QPSK	8.161	Hz
MIDDLE	LTE 10 MHz	16QAM	9.523	Hz
MIDDLE	LTE 10 MHz	64QAM	7.630	Hz
MIDDLE	LTE 10 MHz	256QAM	10.273	Hz
TOP	LTE 10 MHz	QPSK	3.657	Hz
TOP	LTE 10 MHz	16QAM	9.981	Hz
TOP	LTE 10 MHz	64QAM	9.499	Hz
TOP	LTE 10 MHz	256QAM	9.039	Hz
BOTTOM	LTE 15 MHz	QPSK	4.338	Hz
BOTTOM	LTE 15 MHz	16QAM	3.435	Hz
BOTTOM	LTE 15 MHz	64QAM	8.225	Hz
BOTTOM	LTE 15 MHz	256QAM	6.690	Hz
MIDDLE	LTE 15 MHz	QPSK	10.526	Hz
MIDDLE	LTE 15 MHz	16QAM	8.011	Hz
MIDDLE	LTE 15 MHz	64QAM	1.585	Hz
MIDDLE	LTE 15 MHz	256QAM	2.716	Hz
TOP	LTE 15 MHz	QPSK	10.052	Hz
TOP	LTE 15 MHz	16QAM	4.478	Hz
TOP	LTE 15 MHz	64QAM	6.870	Hz
TOP	LTE 15 MHz	256QAM	9.943	Hz
BOTTOM	LTE 20 MHz	QPSK	10.890	Hz
BOTTOM	LTE 20 MHz	16QAM	2.593	Hz
BOTTOM	LTE 20 MHz	64QAM	5.032	Hz
BOTTOM	LTE 20 MHz	256QAM	9.312	Hz
MIDDLE	LTE 20 MHz	QPSK	7.589	Hz
MIDDLE	LTE 20 MHz	16QAM	9.891	Hz
MIDDLE	LTE 20 MHz	64QAM	8.264	Hz
MIDDLE	LTE 20 MHz	256QAM	9.492	Hz
TOP	LTE 20 MHz	QPSK	0.663	Hz
TOP	LTE 20 MHz	16QAM	7.359	Hz
TOP	LTE 20 MHz	64QAM	10.061	Hz
TOP	LTE 20 MHz	256QAM	3.124	Hz

Temperature = -10°C				
Channel	Signal	Modulation	Frequency Error	Measurement unit
BOTTOM	LTE 5 MHz	QPSK	3.559	Hz
BOTTOM	LTE 5 MHz	16QAM	8.215	Hz
BOTTOM	LTE 5 MHz	64QAM	2.622	Hz
BOTTOM	LTE 5 MHz	256QAM	6.801	Hz
MIDDLE	LTE 5 MHz	QPSK	6.896	Hz
MIDDLE	LTE 5 MHz	16QAM	4.022	Hz
MIDDLE	LTE 5 MHz	64QAM	3.004	Hz
MIDDLE	LTE 5 MHz	256QAM	5.527	Hz
TOP	LTE 5 MHz	QPSK	3.084	Hz
TOP	LTE 5 MHz	16QAM	1.178	Hz
TOP	LTE 5 MHz	64QAM	1.060	Hz
TOP	LTE 5 MHz	256QAM	0.347	Hz
BOTTOM	LTE 10 MHz	QPSK	3.464	Hz
BOTTOM	LTE 10 MHz	16QAM	10.959	Hz
BOTTOM	LTE 10 MHz	64QAM	1.056	Hz
BOTTOM	LTE 10 MHz	256QAM	1.903	Hz
MIDDLE	LTE 10 MHz	QPSK	3.929	Hz
MIDDLE	LTE 10 MHz	16QAM	3.301	Hz
MIDDLE	LTE 10 MHz	64QAM	-3.793	Hz
MIDDLE	LTE 10 MHz	256QAM	4.395	Hz
TOP	LTE 10 MHz	QPSK	2.428	Hz
TOP	LTE 10 MHz	16QAM	9.279	Hz
TOP	LTE 10 MHz	64QAM	3.348	Hz
TOP	LTE 10 MHz	256QAM	7.008	Hz
BOTTOM	LTE 15 MHz	QPSK	5.708	Hz
BOTTOM	LTE 15 MHz	16QAM	1.054	Hz
BOTTOM	LTE 15 MHz	64QAM	1.273	Hz
BOTTOM	LTE 15 MHz	256QAM	2.327	Hz
MIDDLE	LTE 15 MHz	QPSK	4.406	Hz
MIDDLE	LTE 15 MHz	16QAM	2.767	Hz
MIDDLE	LTE 15 MHz	64QAM	0.132	Hz
MIDDLE	LTE 15 MHz	256QAM	6.719	Hz
TOP	LTE 15 MHz	QPSK	1.956	Hz
TOP	LTE 15 MHz	16QAM	2.792	Hz
TOP	LTE 15 MHz	64QAM	-2.630	Hz
TOP	LTE 15 MHz	256QAM	10.582	Hz
BOTTOM	LTE 20 MHz	QPSK	4.479	Hz
BOTTOM	LTE 20 MHz	16QAM	4.257	Hz
BOTTOM	LTE 20 MHz	64QAM	0.356	Hz
BOTTOM	LTE 20 MHz	256QAM	9.005	Hz
MIDDLE	LTE 20 MHz	QPSK	6.629	Hz
MIDDLE	LTE 20 MHz	16QAM	4.946	Hz
MIDDLE	LTE 20 MHz	64QAM	0.168	Hz
MIDDLE	LTE 20 MHz	256QAM	9.005	Hz
TOP	LTE 20 MHz	QPSK	6.629	Hz
TOP	LTE 20 MHz	16QAM	4.946	Hz
TOP	LTE 20 MHz	64QAM	3.886	Hz
TOP	LTE 20 MHz	256QAM	5.857	Hz

Temperature = 0°C				
Channel	Signal	Modulation	Frequency Error	Measurement unit
BOTTOM	LTE 5 MHz	QPSK	7.508	Hz
BOTTOM	LTE 5 MHz	16QAM	5.406	Hz
BOTTOM	LTE 5 MHz	64QAM	-2.599	Hz
BOTTOM	LTE 5 MHz	256QAM	2.647	Hz
MIDDLE	LTE 5 MHz	QPSK	6.408	Hz
MIDDLE	LTE 5 MHz	16QAM	3.141	Hz
MIDDLE	LTE 5 MHz	64QAM	13.617	Hz
MIDDLE	LTE 5 MHz	256QAM	8.337	Hz
TOP	LTE 5 MHz	QPSK	4.835	Hz
TOP	LTE 5 MHz	16QAM	8.733	Hz
TOP	LTE 5 MHz	64QAM	-4.864	Hz
TOP	LTE 5 MHz	256QAM	2.492	Hz
BOTTOM	LTE 10 MHz	QPSK	0.240	Hz
BOTTOM	LTE 10 MHz	16QAM	3.142	Hz
BOTTOM	LTE 10 MHz	64QAM	-6.196	Hz
BOTTOM	LTE 10 MHz	256QAM	2.936	Hz
MIDDLE	LTE 10 MHz	QPSK	2.243	Hz
MIDDLE	LTE 10 MHz	16QAM	9.462	Hz
MIDDLE	LTE 10 MHz	64QAM	0.904	Hz
MIDDLE	LTE 10 MHz	256QAM	1.720	Hz
TOP	LTE 10 MHz	QPSK	9.185	Hz
TOP	LTE 10 MHz	16QAM	1.098	Hz
TOP	LTE 10 MHz	64QAM	2.674	Hz
TOP	LTE 10 MHz	256QAM	5.093	Hz
BOTTOM	LTE 15 MHz	QPSK	8.664	Hz
BOTTOM	LTE 15 MHz	16QAM	3.278	Hz
BOTTOM	LTE 15 MHz	64QAM	-0.414	Hz
BOTTOM	LTE 15 MHz	256QAM	4.900	Hz
MIDDLE	LTE 15 MHz	QPSK	5.391	Hz
MIDDLE	LTE 15 MHz	16QAM	6.399	Hz
MIDDLE	LTE 15 MHz	64QAM	-0.430	Hz
MIDDLE	LTE 15 MHz	256QAM	2.224	Hz
TOP	LTE 15 MHz	QPSK	2.448	Hz
TOP	LTE 15 MHz	16QAM	0.694	Hz
TOP	LTE 15 MHz	64QAM	8.274	Hz
TOP	LTE 15 MHz	256QAM	6.561	Hz
BOTTOM	LTE 20 MHz	QPSK	4.763	Hz
BOTTOM	LTE 20 MHz	16QAM	5.789	Hz
BOTTOM	LTE 20 MHz	64QAM	-4.264	Hz
BOTTOM	LTE 20 MHz	256QAM	2.643	Hz
MIDDLE	LTE 20 MHz	QPSK	1.713	Hz
MIDDLE	LTE 20 MHz	16QAM	5.872	Hz
MIDDLE	LTE 20 MHz	64QAM	4.489	Hz
MIDDLE	LTE 20 MHz	256QAM	7.805	Hz
TOP	LTE 20 MHz	QPSK	1.047	Hz
TOP	LTE 20 MHz	16QAM	0.525	Hz
TOP	LTE 20 MHz	64QAM	2.092	Hz
TOP	LTE 20 MHz	256QAM	9.550	Hz

Temperature = 10°C				
Channel	Signal	Modulation	Frequency Error	Measurement unit
BOTTOM	LTE 5 MHz	QPSK	0.381	Hz
BOTTOM	LTE 5 MHz	16QAM	1.418	Hz
BOTTOM	LTE 5 MHz	64QAM	10.492	Hz
BOTTOM	LTE 5 MHz	256QAM	8.419	Hz
MIDDLE	LTE 5 MHz	QPSK	3.042	Hz
MIDDLE	LTE 5 MHz	16QAM	5.309	Hz
MIDDLE	LTE 5 MHz	64QAM	6.179	Hz
MIDDLE	LTE 5 MHz	256QAM	3.232	Hz
TOP	LTE 5 MHz	QPSK	0.674	Hz
TOP	LTE 5 MHz	16QAM	10.438	Hz
TOP	LTE 5 MHz	64QAM	4.544	Hz
TOP	LTE 5 MHz	256QAM	0.084	Hz
BOTTOM	LTE 10 MHz	QPSK	6.972	Hz
BOTTOM	LTE 10 MHz	16QAM	1.937	Hz
BOTTOM	LTE 10 MHz	64QAM	2.823	Hz
BOTTOM	LTE 10 MHz	256QAM	2.120	Hz
MIDDLE	LTE 10 MHz	QPSK	6.272	Hz
MIDDLE	LTE 10 MHz	16QAM	9.409	Hz
MIDDLE	LTE 10 MHz	64QAM	7.620	Hz
MIDDLE	LTE 10 MHz	256QAM	2.998	Hz
TOP	LTE 10 MHz	QPSK	9.476	Hz
TOP	LTE 10 MHz	16QAM	0.914	Hz
TOP	LTE 10 MHz	64QAM	10.725	Hz
TOP	LTE 10 MHz	256QAM	5.875	Hz
BOTTOM	LTE 15 MHz	QPSK	10.764	Hz
BOTTOM	LTE 15 MHz	16QAM	10.798	Hz
BOTTOM	LTE 15 MHz	64QAM	2.526	Hz
BOTTOM	LTE 15 MHz	256QAM	6.362	Hz
MIDDLE	LTE 15 MHz	QPSK	2.374	Hz
MIDDLE	LTE 15 MHz	16QAM	3.757	Hz
MIDDLE	LTE 15 MHz	64QAM	8.626	Hz
MIDDLE	LTE 15 MHz	256QAM	3.428	Hz
TOP	LTE 15 MHz	QPSK	5.077	Hz
TOP	LTE 15 MHz	16QAM	6.507	Hz
TOP	LTE 15 MHz	64QAM	4.045	Hz
TOP	LTE 15 MHz	256QAM	10.279	Hz
BOTTOM	LTE 20 MHz	QPSK	9.462	Hz
BOTTOM	LTE 20 MHz	16QAM	2.770	Hz
BOTTOM	LTE 20 MHz	64QAM	4.402	Hz
BOTTOM	LTE 20 MHz	256QAM	2.377	Hz
MIDDLE	LTE 20 MHz	QPSK	2.513	Hz
MIDDLE	LTE 20 MHz	16QAM	2.444	Hz
MIDDLE	LTE 20 MHz	64QAM	5.674	Hz
MIDDLE	LTE 20 MHz	256QAM	10.968	Hz
TOP	LTE 20 MHz	QPSK	5.804	Hz
TOP	LTE 20 MHz	16QAM	10.627	Hz
TOP	LTE 20 MHz	64QAM	7.542	Hz
TOP	LTE 20 MHz	256QAM	2.349	Hz

Temperature = 20°C				
Channel	Signal	Modulation	Frequency Error	Measurement unit
BOTTOM	LTE 5 MHz	QPSK	0.932	Hz
BOTTOM	LTE 5 MHz	16QAM	9.727	Hz
BOTTOM	LTE 5 MHz	64QAM	12.933	Hz
BOTTOM	LTE 5 MHz	256QAM	0.026	Hz
MIDDLE	LTE 5 MHz	QPSK	7.902	Hz
MIDDLE	LTE 5 MHz	16QAM	6.261	Hz
MIDDLE	LTE 5 MHz	64QAM	-9.820	Hz
MIDDLE	LTE 5 MHz	256QAM	3.296	Hz
TOP	LTE 5 MHz	QPSK	2.696	Hz
TOP	LTE 5 MHz	16QAM	2.847	Hz
TOP	LTE 5 MHz	64QAM	1.272	Hz
TOP	LTE 5 MHz	256QAM	1.758	Hz
BOTTOM	LTE 10 MHz	QPSK	3.620	Hz
BOTTOM	LTE 10 MHz	16QAM	4.653	Hz
BOTTOM	LTE 10 MHz	64QAM	9.176	Hz
BOTTOM	LTE 10 MHz	256QAM	9.844	Hz
MIDDLE	LTE 10 MHz	QPSK	4.344	Hz
MIDDLE	LTE 10 MHz	16QAM	8.427	Hz
MIDDLE	LTE 10 MHz	64QAM	-4.470	Hz
MIDDLE	LTE 10 MHz	256QAM	5.599	Hz
TOP	LTE 10 MHz	QPSK	0.253	Hz
TOP	LTE 10 MHz	16QAM	7.166	Hz
TOP	LTE 10 MHz	64QAM	5.712	Hz
TOP	LTE 10 MHz	256QAM	10.078	Hz
BOTTOM	LTE 15 MHz	QPSK	10.605	Hz
BOTTOM	LTE 15 MHz	16QAM	8.800	Hz
BOTTOM	LTE 15 MHz	64QAM	2.096	Hz
BOTTOM	LTE 15 MHz	256QAM	2.549	Hz
MIDDLE	LTE 15 MHz	QPSK	7.314	Hz
MIDDLE	LTE 15 MHz	16QAM	10.284	Hz
MIDDLE	LTE 15 MHz	64QAM	-3.882	Hz
MIDDLE	LTE 15 MHz	256QAM	8.701	Hz
TOP	LTE 15 MHz	QPSK	5.095	Hz
TOP	LTE 15 MHz	16QAM	10.195	Hz
TOP	LTE 15 MHz	64QAM	2.886	Hz
TOP	LTE 15 MHz	256QAM	0.080	Hz
BOTTOM	LTE 20 MHz	QPSK	10.977	Hz
BOTTOM	LTE 20 MHz	16QAM	0.650	Hz
BOTTOM	LTE 20 MHz	64QAM	-2.100	Hz
BOTTOM	LTE 20 MHz	256QAM	3.555	Hz
MIDDLE	LTE 20 MHz	QPSK	4.143	Hz
MIDDLE	LTE 20 MHz	16QAM	4.530	Hz
MIDDLE	LTE 20 MHz	64QAM	-1.408	Hz
MIDDLE	LTE 20 MHz	256QAM	5.412	Hz
TOP	LTE 20 MHz	QPSK	3.509	Hz
TOP	LTE 20 MHz	16QAM	9.353	Hz
TOP	LTE 20 MHz	64QAM	8.366	Hz
TOP	LTE 20 MHz	256QAM	0.770	Hz

Temperature = 30°C				
Channel	Signal	Modulation	Frequency Error	Measurement unit
BOTTOM	LTE 5 MHz	QPSK	0.762	Hz
BOTTOM	LTE 5 MHz	16QAM	0.352	Hz
BOTTOM	LTE 5 MHz	64QAM	0.462	Hz
BOTTOM	LTE 5 MHz	256QAM	5.078	Hz
MIDDLE	LTE 5 MHz	QPSK	2.604	Hz
MIDDLE	LTE 5 MHz	16QAM	2.747	Hz
MIDDLE	LTE 5 MHz	64QAM	5.131	Hz
MIDDLE	LTE 5 MHz	256QAM	0.069	Hz
TOP	LTE 5 MHz	QPSK	7.641	Hz
TOP	LTE 5 MHz	16QAM	7.951	Hz
TOP	LTE 5 MHz	64QAM	3.905	Hz
TOP	LTE 5 MHz	256QAM	2.026	Hz
BOTTOM	LTE 10 MHz	QPSK	6.720	Hz
BOTTOM	LTE 10 MHz	16QAM	7.339	Hz
BOTTOM	LTE 10 MHz	64QAM	6.700	Hz
BOTTOM	LTE 10 MHz	256QAM	5.566	Hz
MIDDLE	LTE 10 MHz	QPSK	3.846	Hz
MIDDLE	LTE 10 MHz	16QAM	1.223	Hz
MIDDLE	LTE 10 MHz	64QAM	3.381	Hz
MIDDLE	LTE 10 MHz	256QAM	7.680	Hz
TOP	LTE 10 MHz	QPSK	7.876	Hz
TOP	LTE 10 MHz	16QAM	1.322	Hz
TOP	LTE 10 MHz	64QAM	7.693	Hz
TOP	LTE 10 MHz	256QAM	2.284	Hz
BOTTOM	LTE 15 MHz	QPSK	4.116	Hz
BOTTOM	LTE 15 MHz	16QAM	7.360	Hz
BOTTOM	LTE 15 MHz	64QAM	10.370	Hz
BOTTOM	LTE 15 MHz	256QAM	8.517	Hz
MIDDLE	LTE 15 MHz	QPSK	3.561	Hz
MIDDLE	LTE 15 MHz	16QAM	5.103	Hz
MIDDLE	LTE 15 MHz	64QAM	5.615	Hz
MIDDLE	LTE 15 MHz	256QAM	4.165	Hz
TOP	LTE 15 MHz	QPSK	5.423	Hz
TOP	LTE 15 MHz	16QAM	3.694	Hz
TOP	LTE 15 MHz	64QAM	10.117	Hz
TOP	LTE 15 MHz	256QAM	5.107	Hz
BOTTOM	LTE 20 MHz	QPSK	4.923	Hz
BOTTOM	LTE 20 MHz	16QAM	8.783	Hz
BOTTOM	LTE 20 MHz	64QAM	2.618	Hz
BOTTOM	LTE 20 MHz	256QAM	8.393	Hz
MIDDLE	LTE 20 MHz	QPSK	2.128	Hz
MIDDLE	LTE 20 MHz	16QAM	7.347	Hz
MIDDLE	LTE 20 MHz	64QAM	4.807	Hz
MIDDLE	LTE 20 MHz	256QAM	7.941	Hz
TOP	LTE 20 MHz	QPSK	9.772	Hz
TOP	LTE 20 MHz	16QAM	3.627	Hz
TOP	LTE 20 MHz	64QAM	8.021	Hz
TOP	LTE 20 MHz	256QAM	0.412	Hz

Temperature = 40°C				
Channel	Signal	Modulation	Frequency Error	Measurement unit
BOTTOM	LTE 5 MHz	QPSK	4.888	Hz
BOTTOM	LTE 5 MHz	16QAM	0.311	Hz
BOTTOM	LTE 5 MHz	64QAM	-2.397	Hz
BOTTOM	LTE 5 MHz	256QAM	7.233	Hz
MIDDLE	LTE 5 MHz	QPSK	5.080	Hz
MIDDLE	LTE 5 MHz	16QAM	0.071	Hz
MIDDLE	LTE 5 MHz	64QAM	-6.974	Hz
MIDDLE	LTE 5 MHz	256QAM	5.324	Hz
TOP	LTE 5 MHz	QPSK	5.050	Hz
TOP	LTE 5 MHz	16QAM	1.278	Hz
TOP	LTE 5 MHz	64QAM	0.220	Hz
TOP	LTE 5 MHz	256QAM	9.524	Hz
BOTTOM	LTE 10 MHz	QPSK	5.186	Hz
BOTTOM	LTE 10 MHz	16QAM	7.673	Hz
BOTTOM	LTE 10 MHz	64QAM	1.424	Hz
BOTTOM	LTE 10 MHz	256QAM	0.611	Hz
MIDDLE	LTE 10 MHz	QPSK	10.258	Hz
MIDDLE	LTE 10 MHz	16QAM	0.229	Hz
MIDDLE	LTE 10 MHz	64QAM	0.031	Hz
MIDDLE	LTE 10 MHz	256QAM	7.751	Hz
TOP	LTE 10 MHz	QPSK	3.664	Hz
TOP	LTE 10 MHz	16QAM	3.152	Hz
TOP	LTE 10 MHz	64QAM	-3.771	Hz
TOP	LTE 10 MHz	256QAM	4.476	Hz
BOTTOM	LTE 15 MHz	QPSK	8.137	Hz
BOTTOM	LTE 15 MHz	16QAM	7.344	Hz
BOTTOM	LTE 15 MHz	64QAM	-0.316	Hz
BOTTOM	LTE 15 MHz	256QAM	8.404	Hz
MIDDLE	LTE 15 MHz	QPSK	8.302	Hz
MIDDLE	LTE 15 MHz	16QAM	8.175	Hz
MIDDLE	LTE 15 MHz	64QAM	-2.463	Hz
MIDDLE	LTE 15 MHz	256QAM	7.334	Hz
TOP	LTE 15 MHz	QPSK	5.160	Hz
TOP	LTE 15 MHz	16QAM	4.458	Hz
TOP	LTE 15 MHz	64QAM	-1.655	Hz
TOP	LTE 15 MHz	256QAM	8.536	Hz
BOTTOM	LTE 20 MHz	QPSK	5.237	Hz
BOTTOM	LTE 20 MHz	16QAM	2.103	Hz
BOTTOM	LTE 20 MHz	64QAM	-2.295	Hz
BOTTOM	LTE 20 MHz	256QAM	3.402	Hz
MIDDLE	LTE 20 MHz	QPSK	10.155	Hz
MIDDLE	LTE 20 MHz	16QAM	0.803	Hz
MIDDLE	LTE 20 MHz	64QAM	-1.533	Hz
MIDDLE	LTE 20 MHz	256QAM	1.778	Hz
TOP	LTE 20 MHz	QPSK	4.346	Hz
TOP	LTE 20 MHz	16QAM	1.483	Hz
TOP	LTE 20 MHz	64QAM	-6.675	Hz
TOP	LTE 20 MHz	256QAM	7.789	Hz

Temperature = 50°C				
Channel	Signal	Modulation	Frequency Error	Measurement unit
BOTTOM	LTE 5 MHz	QPSK	1.806	Hz
BOTTOM	LTE 5 MHz	16QAM	10.855	Hz
BOTTOM	LTE 5 MHz	64QAM	3.751	Hz
BOTTOM	LTE 5 MHz	256QAM	6.737	Hz
MIDDLE	LTE 5 MHz	QPSK	7.790	Hz
MIDDLE	LTE 5 MHz	16QAM	9.739	Hz
MIDDLE	LTE 5 MHz	64QAM	4.680	Hz
MIDDLE	LTE 5 MHz	256QAM	2.910	Hz
TOP	LTE 5 MHz	QPSK	6.428	Hz
TOP	LTE 5 MHz	16QAM	5.701	Hz
TOP	LTE 5 MHz	64QAM	1.618	Hz
TOP	LTE 5 MHz	256QAM	1.528	Hz
BOTTOM	LTE 10 MHz	QPSK	0.992	Hz
BOTTOM	LTE 10 MHz	16QAM	4.182	Hz
BOTTOM	LTE 10 MHz	64QAM	0.580	Hz
BOTTOM	LTE 10 MHz	256QAM	5.695	Hz
MIDDLE	LTE 10 MHz	QPSK	0.831	Hz
MIDDLE	LTE 10 MHz	16QAM	3.004	Hz
MIDDLE	LTE 10 MHz	64QAM	0.149	Hz
MIDDLE	LTE 10 MHz	256QAM	10.439	Hz
TOP	LTE 10 MHz	QPSK	5.583	Hz
TOP	LTE 10 MHz	16QAM	2.603	Hz
TOP	LTE 10 MHz	64QAM	-0.390	Hz
TOP	LTE 10 MHz	256QAM	8.726	Hz
BOTTOM	LTE 15 MHz	QPSK	0.389	Hz
BOTTOM	LTE 15 MHz	16QAM	1.205	Hz
BOTTOM	LTE 15 MHz	64QAM	0.716	Hz
BOTTOM	LTE 15 MHz	256QAM	7.978	Hz
MIDDLE	LTE 15 MHz	QPSK	0.273	Hz
MIDDLE	LTE 15 MHz	16QAM	2.244	Hz
MIDDLE	LTE 15 MHz	64QAM	-2.587	Hz
MIDDLE	LTE 15 MHz	256QAM	4.585	Hz
TOP	LTE 15 MHz	QPSK	4.281	Hz
TOP	LTE 15 MHz	16QAM	10.881	Hz
TOP	LTE 15 MHz	64QAM	1.307	Hz
TOP	LTE 15 MHz	256QAM	10.458	Hz
BOTTOM	LTE 20 MHz	QPSK	7.248	Hz
BOTTOM	LTE 20 MHz	16QAM	4.861	Hz
BOTTOM	LTE 20 MHz	64QAM	-0.408	Hz
BOTTOM	LTE 20 MHz	256QAM	9.618	Hz
MIDDLE	LTE 20 MHz	QPSK	0.359	Hz
MIDDLE	LTE 20 MHz	16QAM	2.014	Hz
MIDDLE	LTE 20 MHz	64QAM	-0.451	Hz
MIDDLE	LTE 20 MHz	256QAM	9.990	Hz
TOP	LTE 20 MHz	QPSK	1.314	Hz
TOP	LTE 20 MHz	16QAM	0.860	Hz
TOP	LTE 20 MHz	64QAM	-0.802	Hz
TOP	LTE 20 MHz	256QAM	9.770	Hz

RF PORT 2

Temperature = -30°C				
Channel	Signal	Modulation	Frequency Error	Measurement unit
BOTTOM	LTE 5 MHz	QPSK	7.919	Hz
BOTTOM	LTE 5 MHz	16QAM	6.065	Hz
BOTTOM	LTE 5 MHz	64QAM	7.086	Hz
BOTTOM	LTE 5 MHz	256QAM	3.057	Hz
MIDDLE	LTE 5 MHz	QPSK	10.520	Hz
MIDDLE	LTE 5 MHz	16QAM	5.232	Hz
MIDDLE	LTE 5 MHz	64QAM	9.391	Hz
MIDDLE	LTE 5 MHz	256QAM	8.636	Hz
TOP	LTE 5 MHz	QPSK	8.762	Hz
TOP	LTE 5 MHz	16QAM	5.181	Hz
TOP	LTE 5 MHz	64QAM	7.877	Hz
TOP	LTE 5 MHz	256QAM	0.713	Hz
BOTTOM	LTE 10 MHz	QPSK	0.105	Hz
BOTTOM	LTE 10 MHz	16QAM	7.730	Hz
BOTTOM	LTE 10 MHz	64QAM	9.120	Hz
BOTTOM	LTE 10 MHz	256QAM	9.134	Hz
MIDDLE	LTE 10 MHz	QPSK	3.492	Hz
MIDDLE	LTE 10 MHz	16QAM	6.455	Hz
MIDDLE	LTE 10 MHz	64QAM	5.977	Hz
MIDDLE	LTE 10 MHz	256QAM	6.961	Hz
TOP	LTE 10 MHz	QPSK	9.465	Hz
TOP	LTE 10 MHz	16QAM	9.713	Hz
TOP	LTE 10 MHz	64QAM	0.043	Hz
TOP	LTE 10 MHz	256QAM	3.814	Hz
BOTTOM	LTE 15 MHz	QPSK	5.871	Hz
BOTTOM	LTE 15 MHz	16QAM	5.619	Hz
BOTTOM	LTE 15 MHz	64QAM	0.237	Hz
BOTTOM	LTE 15 MHz	256QAM	8.967	Hz
MIDDLE	LTE 15 MHz	QPSK	6.253	Hz
MIDDLE	LTE 15 MHz	16QAM	4.229	Hz
MIDDLE	LTE 15 MHz	64QAM	4.810	Hz
MIDDLE	LTE 15 MHz	256QAM	0.559	Hz
TOP	LTE 15 MHz	QPSK	5.659	Hz
TOP	LTE 15 MHz	16QAM	3.484	Hz
TOP	LTE 15 MHz	64QAM	3.261	Hz
TOP	LTE 15 MHz	256QAM	10.023	Hz
BOTTOM	LTE 20 MHz	QPSK	4.768	Hz
BOTTOM	LTE 20 MHz	16QAM	10.124	Hz
BOTTOM	LTE 20 MHz	64QAM	1.091	Hz
BOTTOM	LTE 20 MHz	256QAM	3.884	Hz
MIDDLE	LTE 20 MHz	QPSK	10.500	Hz
MIDDLE	LTE 20 MHz	16QAM	6.892	Hz
MIDDLE	LTE 20 MHz	64QAM	4.097	Hz
MIDDLE	LTE 20 MHz	256QAM	7.461	Hz
TOP	LTE 20 MHz	QPSK	5.372	Hz
TOP	LTE 20 MHz	16QAM	7.156	Hz
TOP	LTE 20 MHz	64QAM	1.478	Hz
TOP	LTE 20 MHz	256QAM	8.407	Hz

Temperature = -20°C				
Channel	Signal	Modulation	Frequency Error	Measurement unit
BOTTOM	LTE 5 MHz	QPSK	3.256	Hz
BOTTOM	LTE 5 MHz	16QAM	6.506	Hz
BOTTOM	LTE 5 MHz	64QAM	6.547	Hz
BOTTOM	LTE 5 MHz	256QAM	5.386	Hz
MIDDLE	LTE 5 MHz	QPSK	5.161	Hz
MIDDLE	LTE 5 MHz	16QAM	6.372	Hz
MIDDLE	LTE 5 MHz	64QAM	8.732	Hz
MIDDLE	LTE 5 MHz	256QAM	7.491	Hz
TOP	LTE 5 MHz	QPSK	10.987	Hz
TOP	LTE 5 MHz	16QAM	4.069	Hz
TOP	LTE 5 MHz	64QAM	9.480	Hz
TOP	LTE 5 MHz	256QAM	7.371	Hz
BOTTOM	LTE 10 MHz	QPSK	0.994	Hz
BOTTOM	LTE 10 MHz	16QAM	5.583	Hz
BOTTOM	LTE 10 MHz	64QAM	0.675	Hz
BOTTOM	LTE 10 MHz	256QAM	10.569	Hz
MIDDLE	LTE 10 MHz	QPSK	1.093	Hz
MIDDLE	LTE 10 MHz	16QAM	5.878	Hz
MIDDLE	LTE 10 MHz	64QAM	4.099	Hz
MIDDLE	LTE 10 MHz	256QAM	10.417	Hz
TOP	LTE 10 MHz	QPSK	1.513	Hz
TOP	LTE 10 MHz	16QAM	6.061	Hz
TOP	LTE 10 MHz	64QAM	7.749	Hz
TOP	LTE 10 MHz	256QAM	0.888	Hz
BOTTOM	LTE 15 MHz	QPSK	6.080	Hz
BOTTOM	LTE 15 MHz	16QAM	3.581	Hz
BOTTOM	LTE 15 MHz	64QAM	1.662	Hz
BOTTOM	LTE 15 MHz	256QAM	5.243	Hz
MIDDLE	LTE 15 MHz	QPSK	8.483	Hz
MIDDLE	LTE 15 MHz	16QAM	10.395	Hz
MIDDLE	LTE 15 MHz	64QAM	1.849	Hz
MIDDLE	LTE 15 MHz	256QAM	5.918	Hz
TOP	LTE 15 MHz	QPSK	6.731	Hz
TOP	LTE 15 MHz	16QAM	10.691	Hz
TOP	LTE 15 MHz	64QAM	0.177	Hz
TOP	LTE 15 MHz	256QAM	3.844	Hz
BOTTOM	LTE 20 MHz	QPSK	2.336	Hz
BOTTOM	LTE 20 MHz	16QAM	9.188	Hz
BOTTOM	LTE 20 MHz	64QAM	0.336	Hz
BOTTOM	LTE 20 MHz	256QAM	8.605	Hz
MIDDLE	LTE 20 MHz	QPSK	5.338	Hz
MIDDLE	LTE 20 MHz	16QAM	5.824	Hz
MIDDLE	LTE 20 MHz	64QAM	0.197	Hz
MIDDLE	LTE 20 MHz	256QAM	5.328	Hz
TOP	LTE 20 MHz	QPSK	9.177	Hz
TOP	LTE 20 MHz	16QAM	3.364	Hz
TOP	LTE 20 MHz	64QAM	1.516	Hz
TOP	LTE 20 MHz	256QAM	2.283	Hz

Temperature = -10°C				
Channel	Signal	Modulation	Frequency Error	Measurement unit
BOTTOM	LTE 5 MHz	QPSK	10.626	Hz
BOTTOM	LTE 5 MHz	16QAM	6.613	Hz
BOTTOM	LTE 5 MHz	64QAM	3.659	Hz
BOTTOM	LTE 5 MHz	256QAM	7.724	Hz
MIDDLE	LTE 5 MHz	QPSK	2.312	Hz
MIDDLE	LTE 5 MHz	16QAM	0.137	Hz
MIDDLE	LTE 5 MHz	64QAM	9.056	Hz
MIDDLE	LTE 5 MHz	256QAM	7.563	Hz
TOP	LTE 5 MHz	QPSK	9.999	Hz
TOP	LTE 5 MHz	16QAM	3.305	Hz
TOP	LTE 5 MHz	64QAM	8.153	Hz
TOP	LTE 5 MHz	256QAM	1.926	Hz
BOTTOM	LTE 10 MHz	QPSK	4.373	Hz
BOTTOM	LTE 10 MHz	16QAM	1.525	Hz
BOTTOM	LTE 10 MHz	64QAM	5.183	Hz
BOTTOM	LTE 10 MHz	256QAM	6.871	Hz
MIDDLE	LTE 10 MHz	QPSK	5.117	Hz
MIDDLE	LTE 10 MHz	16QAM	7.835	Hz
MIDDLE	LTE 10 MHz	64QAM	7.808	Hz
MIDDLE	LTE 10 MHz	256QAM	8.915	Hz
TOP	LTE 10 MHz	QPSK	1.932	Hz
TOP	LTE 10 MHz	16QAM	2.801	Hz
TOP	LTE 10 MHz	64QAM	10.501	Hz
TOP	LTE 10 MHz	256QAM	3.968	Hz
BOTTOM	LTE 15 MHz	QPSK	5.943	Hz
BOTTOM	LTE 15 MHz	16QAM	1.925	Hz
BOTTOM	LTE 15 MHz	64QAM	5.767	Hz
BOTTOM	LTE 15 MHz	256QAM	1.126	Hz
MIDDLE	LTE 15 MHz	QPSK	6.933	Hz
MIDDLE	LTE 15 MHz	16QAM	9.121	Hz
MIDDLE	LTE 15 MHz	64QAM	2.169	Hz
MIDDLE	LTE 15 MHz	256QAM	6.463	Hz
TOP	LTE 15 MHz	QPSK	8.395	Hz
TOP	LTE 15 MHz	16QAM	1.763	Hz
TOP	LTE 15 MHz	64QAM	10.459	Hz
TOP	LTE 15 MHz	256QAM	5.058	Hz
BOTTOM	LTE 20 MHz	QPSK	3.248	Hz
BOTTOM	LTE 20 MHz	16QAM	4.080	Hz
BOTTOM	LTE 20 MHz	64QAM	9.034	Hz
BOTTOM	LTE 20 MHz	256QAM	5.993	Hz
MIDDLE	LTE 20 MHz	QPSK	4.608	Hz
MIDDLE	LTE 20 MHz	16QAM	2.914	Hz
MIDDLE	LTE 20 MHz	64QAM	6.097	Hz
MIDDLE	LTE 20 MHz	256QAM	1.841	Hz
TOP	LTE 20 MHz	QPSK	7.879	Hz
TOP	LTE 20 MHz	16QAM	5.779	Hz
TOP	LTE 20 MHz	64QAM	10.699	Hz
TOP	LTE 20 MHz	256QAM	7.378	Hz

Temperature = 0°C				
Channel	Signal	Modulation	Frequency Error	Measurement unit
BOTTOM	LTE 5 MHz	QPSK	3.270	Hz
BOTTOM	LTE 5 MHz	16QAM	0.728	Hz
BOTTOM	LTE 5 MHz	64QAM	1.715	Hz
BOTTOM	LTE 5 MHz	256QAM	6.187	Hz
MIDDLE	LTE 5 MHz	QPSK	7.022	Hz
MIDDLE	LTE 5 MHz	16QAM	0.655	Hz
MIDDLE	LTE 5 MHz	64QAM	8.388	Hz
MIDDLE	LTE 5 MHz	256QAM	9.526	Hz
TOP	LTE 5 MHz	QPSK	0.925	Hz
TOP	LTE 5 MHz	16QAM	10.095	Hz
TOP	LTE 5 MHz	64QAM	5.900	Hz
TOP	LTE 5 MHz	256QAM	2.220	Hz
BOTTOM	LTE 10 MHz	QPSK	1.616	Hz
BOTTOM	LTE 10 MHz	16QAM	7.907	Hz
BOTTOM	LTE 10 MHz	64QAM	3.970	Hz
BOTTOM	LTE 10 MHz	256QAM	7.853	Hz
MIDDLE	LTE 10 MHz	QPSK	7.707	Hz
MIDDLE	LTE 10 MHz	16QAM	4.726	Hz
MIDDLE	LTE 10 MHz	64QAM	7.776	Hz
MIDDLE	LTE 10 MHz	256QAM	7.471	Hz
TOP	LTE 10 MHz	QPSK	5.967	Hz
TOP	LTE 10 MHz	16QAM	8.842	Hz
TOP	LTE 10 MHz	64QAM	6.888	Hz
TOP	LTE 10 MHz	256QAM	8.818	Hz
BOTTOM	LTE 15 MHz	QPSK	2.165	Hz
BOTTOM	LTE 15 MHz	16QAM	4.900	Hz
BOTTOM	LTE 15 MHz	64QAM	10.545	Hz
BOTTOM	LTE 15 MHz	256QAM	8.208	Hz
MIDDLE	LTE 15 MHz	QPSK	2.379	Hz
MIDDLE	LTE 15 MHz	16QAM	2.586	Hz
MIDDLE	LTE 15 MHz	64QAM	0.058	Hz
MIDDLE	LTE 15 MHz	256QAM	10.632	Hz
TOP	LTE 15 MHz	QPSK	5.111	Hz
TOP	LTE 15 MHz	16QAM	8.007	Hz
TOP	LTE 15 MHz	64QAM	7.652	Hz
TOP	LTE 15 MHz	256QAM	0.282	Hz
BOTTOM	LTE 20 MHz	QPSK	0.245	Hz
BOTTOM	LTE 20 MHz	16QAM	3.062	Hz
BOTTOM	LTE 20 MHz	64QAM	5.944	Hz
BOTTOM	LTE 20 MHz	256QAM	0.868	Hz
MIDDLE	LTE 20 MHz	QPSK	3.398	Hz
MIDDLE	LTE 20 MHz	16QAM	2.109	Hz
MIDDLE	LTE 20 MHz	64QAM	5.378	Hz
MIDDLE	LTE 20 MHz	256QAM	3.369	Hz
TOP	LTE 20 MHz	QPSK	7.106	Hz
TOP	LTE 20 MHz	16QAM	3.202	Hz
TOP	LTE 20 MHz	64QAM	7.121	Hz
TOP	LTE 20 MHz	256QAM	0.235	Hz

Temperature = 10°C				
Channel	Signal	Modulation	Frequency Error	Measurement unit
BOTTOM	LTE 5 MHz	QPSK	5.337	Hz
BOTTOM	LTE 5 MHz	16QAM	7.121	Hz
BOTTOM	LTE 5 MHz	64QAM	0.009	Hz
BOTTOM	LTE 5 MHz	256QAM	2.234	Hz
MIDDLE	LTE 5 MHz	QPSK	6.824	Hz
MIDDLE	LTE 5 MHz	16QAM	4.537	Hz
MIDDLE	LTE 5 MHz	64QAM	1.874	Hz
MIDDLE	LTE 5 MHz	256QAM	8.079	Hz
TOP	LTE 5 MHz	QPSK	8.942	Hz
TOP	LTE 5 MHz	16QAM	1.084	Hz
TOP	LTE 5 MHz	64QAM	5.103	Hz
TOP	LTE 5 MHz	256QAM	6.972	Hz
BOTTOM	LTE 10 MHz	QPSK	4.671	Hz
BOTTOM	LTE 10 MHz	16QAM	7.200	Hz
BOTTOM	LTE 10 MHz	64QAM	5.024	Hz
BOTTOM	LTE 10 MHz	256QAM	7.452	Hz
MIDDLE	LTE 10 MHz	QPSK	3.428	Hz
MIDDLE	LTE 10 MHz	16QAM	7.249	Hz
MIDDLE	LTE 10 MHz	64QAM	0.430	Hz
MIDDLE	LTE 10 MHz	256QAM	3.873	Hz
TOP	LTE 10 MHz	QPSK	3.795	Hz
TOP	LTE 10 MHz	16QAM	6.721	Hz
TOP	LTE 10 MHz	64QAM	7.560	Hz
TOP	LTE 10 MHz	256QAM	0.876	Hz
BOTTOM	LTE 15 MHz	QPSK	5.384	Hz
BOTTOM	LTE 15 MHz	16QAM	9.034	Hz
BOTTOM	LTE 15 MHz	64QAM	7.256	Hz
BOTTOM	LTE 15 MHz	256QAM	2.943	Hz
MIDDLE	LTE 15 MHz	QPSK	3.370	Hz
MIDDLE	LTE 15 MHz	16QAM	4.749	Hz
MIDDLE	LTE 15 MHz	64QAM	4.440	Hz
MIDDLE	LTE 15 MHz	256QAM	2.741	Hz
TOP	LTE 15 MHz	QPSK	2.652	Hz
TOP	LTE 15 MHz	16QAM	3.583	Hz
TOP	LTE 15 MHz	64QAM	2.320	Hz
TOP	LTE 15 MHz	256QAM	1.189	Hz
BOTTOM	LTE 20 MHz	QPSK	3.900	Hz
BOTTOM	LTE 20 MHz	16QAM	8.561	Hz
BOTTOM	LTE 20 MHz	64QAM	0.823	Hz
BOTTOM	LTE 20 MHz	256QAM	2.009	Hz
MIDDLE	LTE 20 MHz	QPSK	5.398	Hz
MIDDLE	LTE 20 MHz	16QAM	4.020	Hz
MIDDLE	LTE 20 MHz	64QAM	1.556	Hz
MIDDLE	LTE 20 MHz	256QAM	3.515	Hz
TOP	LTE 20 MHz	QPSK	7.477	Hz
TOP	LTE 20 MHz	16QAM	0.083	Hz
TOP	LTE 20 MHz	64QAM	10.087	Hz
TOP	LTE 20 MHz	256QAM	5.204	Hz

Temperature = 20°C				
Channel	Signal	Modulation	Frequency Error	Measurement unit
BOTTOM	LTE 5 MHz	QPSK	6.543	Hz
BOTTOM	LTE 5 MHz	16QAM	3.208	Hz
BOTTOM	LTE 5 MHz	64QAM	10.529	Hz
BOTTOM	LTE 5 MHz	256QAM	9.964	Hz
MIDDLE	LTE 5 MHz	QPSK	9.167	Hz
MIDDLE	LTE 5 MHz	16QAM	8.805	Hz
MIDDLE	LTE 5 MHz	64QAM	9.985	Hz
MIDDLE	LTE 5 MHz	256QAM	0.560	Hz
TOP	LTE 5 MHz	QPSK	9.930	Hz
TOP	LTE 5 MHz	16QAM	7.298	Hz
TOP	LTE 5 MHz	64QAM	5.588	Hz
TOP	LTE 5 MHz	256QAM	2.912	Hz
BOTTOM	LTE 10 MHz	QPSK	8.813	Hz
BOTTOM	LTE 10 MHz	16QAM	8.434	Hz
BOTTOM	LTE 10 MHz	64QAM	2.808	Hz
BOTTOM	LTE 10 MHz	256QAM	8.698	Hz
MIDDLE	LTE 10 MHz	QPSK	9.560	Hz
MIDDLE	LTE 10 MHz	16QAM	0.689	Hz
MIDDLE	LTE 10 MHz	64QAM	5.679	Hz
MIDDLE	LTE 10 MHz	256QAM	6.217	Hz
TOP	LTE 10 MHz	QPSK	7.472	Hz
TOP	LTE 10 MHz	16QAM	10.098	Hz
TOP	LTE 10 MHz	64QAM	3.008	Hz
TOP	LTE 10 MHz	256QAM	5.394	Hz
BOTTOM	LTE 15 MHz	QPSK	8.638	Hz
BOTTOM	LTE 15 MHz	16QAM	6.884	Hz
BOTTOM	LTE 15 MHz	64QAM	5.393	Hz
BOTTOM	LTE 15 MHz	256QAM	6.994	Hz
MIDDLE	LTE 15 MHz	QPSK	2.204	Hz
MIDDLE	LTE 15 MHz	16QAM	9.619	Hz
MIDDLE	LTE 15 MHz	64QAM	0.485	Hz
MIDDLE	LTE 15 MHz	256QAM	1.245	Hz
TOP	LTE 15 MHz	QPSK	7.174	Hz
TOP	LTE 15 MHz	16QAM	6.162	Hz
TOP	LTE 15 MHz	64QAM	9.303	Hz
TOP	LTE 15 MHz	256QAM	3.321	Hz
BOTTOM	LTE 20 MHz	QPSK	0.781	Hz
BOTTOM	LTE 20 MHz	16QAM	1.633	Hz
BOTTOM	LTE 20 MHz	64QAM	0.225	Hz
BOTTOM	LTE 20 MHz	256QAM	0.508	Hz
MIDDLE	LTE 20 MHz	QPSK	1.760	Hz
MIDDLE	LTE 20 MHz	16QAM	9.888	Hz
MIDDLE	LTE 20 MHz	64QAM	6.956	Hz
MIDDLE	LTE 20 MHz	256QAM	3.417	Hz
TOP	LTE 20 MHz	QPSK	3.813	Hz
TOP	LTE 20 MHz	16QAM	10.041	Hz
TOP	LTE 20 MHz	64QAM	8.455	Hz
TOP	LTE 20 MHz	256QAM	0.686	Hz

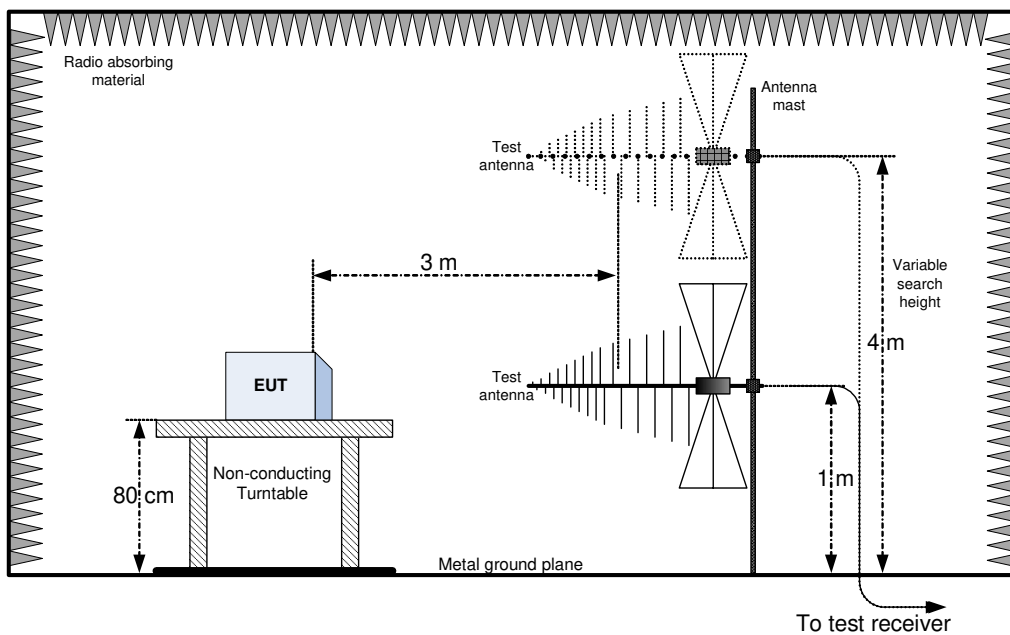
Temperature = 30°C				
Channel	Signal	Modulation	Frequency Error	Measurement unit
BOTTOM	LTE 5 MHz	QPSK	9.230	Hz
BOTTOM	LTE 5 MHz	16QAM	9.603	Hz
BOTTOM	LTE 5 MHz	64QAM	10.447	Hz
BOTTOM	LTE 5 MHz	256QAM	10.474	Hz
MIDDLE	LTE 5 MHz	QPSK	8.470	Hz
MIDDLE	LTE 5 MHz	16QAM	1.938	Hz
MIDDLE	LTE 5 MHz	64QAM	5.428	Hz
MIDDLE	LTE 5 MHz	256QAM	4.143	Hz
TOP	LTE 5 MHz	QPSK	0.255	Hz
TOP	LTE 5 MHz	16QAM	6.853	Hz
TOP	LTE 5 MHz	64QAM	5.910	Hz
TOP	LTE 5 MHz	256QAM	3.337	Hz
BOTTOM	LTE 10 MHz	QPSK	0.966	Hz
BOTTOM	LTE 10 MHz	16QAM	5.463	Hz
BOTTOM	LTE 10 MHz	64QAM	4.023	Hz
BOTTOM	LTE 10 MHz	256QAM	0.986	Hz
MIDDLE	LTE 10 MHz	QPSK	9.368	Hz
MIDDLE	LTE 10 MHz	16QAM	9.268	Hz
MIDDLE	LTE 10 MHz	64QAM	3.135	Hz
MIDDLE	LTE 10 MHz	256QAM	5.068	Hz
TOP	LTE 10 MHz	QPSK	0.202	Hz
TOP	LTE 10 MHz	16QAM	10.860	Hz
TOP	LTE 10 MHz	64QAM	2.075	Hz
TOP	LTE 10 MHz	256QAM	1.241	Hz
BOTTOM	LTE 15 MHz	QPSK	3.853	Hz
BOTTOM	LTE 15 MHz	16QAM	3.953	Hz
BOTTOM	LTE 15 MHz	64QAM	3.085	Hz
BOTTOM	LTE 15 MHz	256QAM	2.659	Hz
MIDDLE	LTE 15 MHz	QPSK	7.070	Hz
MIDDLE	LTE 15 MHz	16QAM	4.652	Hz
MIDDLE	LTE 15 MHz	64QAM	3.545	Hz
MIDDLE	LTE 15 MHz	256QAM	10.539	Hz
TOP	LTE 15 MHz	QPSK	5.004	Hz
TOP	LTE 15 MHz	16QAM	0.893	Hz
TOP	LTE 15 MHz	64QAM	7.015	Hz
TOP	LTE 15 MHz	256QAM	6.771	Hz
BOTTOM	LTE 20 MHz	QPSK	10.375	Hz
BOTTOM	LTE 20 MHz	16QAM	0.495	Hz
BOTTOM	LTE 20 MHz	64QAM	3.987	Hz
BOTTOM	LTE 20 MHz	256QAM	0.551	Hz
MIDDLE	LTE 20 MHz	QPSK	7.416	Hz
MIDDLE	LTE 20 MHz	16QAM	1.756	Hz
MIDDLE	LTE 20 MHz	64QAM	0.236	Hz
MIDDLE	LTE 20 MHz	256QAM	10.889	Hz
TOP	LTE 20 MHz	QPSK	3.151	Hz
TOP	LTE 20 MHz	16QAM	2.114	Hz
TOP	LTE 20 MHz	64QAM	7.559	Hz
TOP	LTE 20 MHz	256QAM	1.365	Hz

Temperature = 40°C				
Channel	Signal	Modulation	Frequency Error	Measurement unit
BOTTOM	LTE 5 MHz	QPSK	0.166	Hz
BOTTOM	LTE 5 MHz	16QAM	3.406	Hz
BOTTOM	LTE 5 MHz	64QAM	1.052	Hz
BOTTOM	LTE 5 MHz	256QAM	2.721	Hz
MIDDLE	LTE 5 MHz	QPSK	8.692	Hz
MIDDLE	LTE 5 MHz	16QAM	10.204	Hz
MIDDLE	LTE 5 MHz	64QAM	3.246	Hz
MIDDLE	LTE 5 MHz	256QAM	2.798	Hz
TOP	LTE 5 MHz	QPSK	2.110	Hz
TOP	LTE 5 MHz	16QAM	5.023	Hz
TOP	LTE 5 MHz	64QAM	4.164	Hz
TOP	LTE 5 MHz	256QAM	4.782	Hz
BOTTOM	LTE 10 MHz	QPSK	2.607	Hz
BOTTOM	LTE 10 MHz	16QAM	10.467	Hz
BOTTOM	LTE 10 MHz	64QAM	0.894	Hz
BOTTOM	LTE 10 MHz	256QAM	7.473	Hz
MIDDLE	LTE 10 MHz	QPSK	9.137	Hz
MIDDLE	LTE 10 MHz	16QAM	10.271	Hz
MIDDLE	LTE 10 MHz	64QAM	5.185	Hz
MIDDLE	LTE 10 MHz	256QAM	10.389	Hz
TOP	LTE 10 MHz	QPSK	10.960	Hz
TOP	LTE 10 MHz	16QAM	4.999	Hz
TOP	LTE 10 MHz	64QAM	2.130	Hz
TOP	LTE 10 MHz	256QAM	0.537	Hz
BOTTOM	LTE 15 MHz	QPSK	10.423	Hz
BOTTOM	LTE 15 MHz	16QAM	10.089	Hz
BOTTOM	LTE 15 MHz	64QAM	0.923	Hz
BOTTOM	LTE 15 MHz	256QAM	0.024	Hz
MIDDLE	LTE 15 MHz	QPSK	10.870	Hz
MIDDLE	LTE 15 MHz	16QAM	6.183	Hz
MIDDLE	LTE 15 MHz	64QAM	9.363	Hz
MIDDLE	LTE 15 MHz	256QAM	7.458	Hz
TOP	LTE 15 MHz	QPSK	8.868	Hz
TOP	LTE 15 MHz	16QAM	10.785	Hz
TOP	LTE 15 MHz	64QAM	8.360	Hz
TOP	LTE 15 MHz	256QAM	0.694	Hz
BOTTOM	LTE 20 MHz	QPSK	9.797	Hz
BOTTOM	LTE 20 MHz	16QAM	3.942	Hz
BOTTOM	LTE 20 MHz	64QAM	10.023	Hz
BOTTOM	LTE 20 MHz	256QAM	6.464	Hz
MIDDLE	LTE 20 MHz	QPSK	4.525	Hz
MIDDLE	LTE 20 MHz	16QAM	1.559	Hz
MIDDLE	LTE 20 MHz	64QAM	5.369	Hz
MIDDLE	LTE 20 MHz	256QAM	10.678	Hz
TOP	LTE 20 MHz	QPSK	4.756	Hz
TOP	LTE 20 MHz	16QAM	10.037	Hz
TOP	LTE 20 MHz	64QAM	0.865	Hz
TOP	LTE 20 MHz	256QAM	2.590	Hz

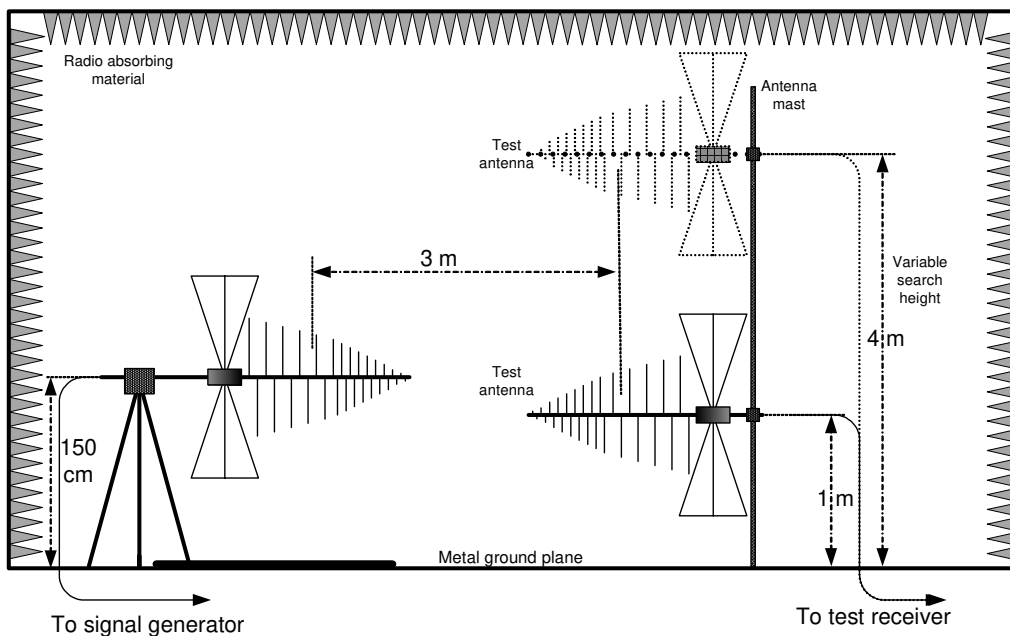
Temperature = 50°C				
Channel	Signal	Modulation	Frequency Error	Measurement unit
BOTTOM	LTE 5 MHz	QPSK	3.511	Hz
BOTTOM	LTE 5 MHz	16QAM	6.284	Hz
BOTTOM	LTE 5 MHz	64QAM	4.927	Hz
BOTTOM	LTE 5 MHz	256QAM	9.006	Hz
MIDDLE	LTE 5 MHz	QPSK	2.097	Hz
MIDDLE	LTE 5 MHz	16QAM	0.572	Hz
MIDDLE	LTE 5 MHz	64QAM	1.286	Hz
MIDDLE	LTE 5 MHz	256QAM	8.323	Hz
TOP	LTE 5 MHz	QPSK	10.479	Hz
TOP	LTE 5 MHz	16QAM	8.890	Hz
TOP	LTE 5 MHz	64QAM	7.132	Hz
TOP	LTE 5 MHz	256QAM	10.667	Hz
BOTTOM	LTE 10 MHz	QPSK	3.723	Hz
BOTTOM	LTE 10 MHz	16QAM	3.116	Hz
BOTTOM	LTE 10 MHz	64QAM	6.636	Hz
BOTTOM	LTE 10 MHz	256QAM	0.983	Hz
MIDDLE	LTE 10 MHz	QPSK	10.731	Hz
MIDDLE	LTE 10 MHz	16QAM	8.434	Hz
MIDDLE	LTE 10 MHz	64QAM	4.985	Hz
MIDDLE	LTE 10 MHz	256QAM	9.721	Hz
TOP	LTE 10 MHz	QPSK	6.315	Hz
TOP	LTE 10 MHz	16QAM	5.501	Hz
TOP	LTE 10 MHz	64QAM	8.322	Hz
TOP	LTE 10 MHz	256QAM	2.584	Hz
BOTTOM	LTE 15 MHz	QPSK	2.308	Hz
BOTTOM	LTE 15 MHz	16QAM	1.861	Hz
BOTTOM	LTE 15 MHz	64QAM	7.037	Hz
BOTTOM	LTE 15 MHz	256QAM	5.356	Hz
MIDDLE	LTE 15 MHz	QPSK	9.600	Hz
MIDDLE	LTE 15 MHz	16QAM	5.745	Hz
MIDDLE	LTE 15 MHz	64QAM	0.458	Hz
MIDDLE	LTE 15 MHz	256QAM	2.849	Hz
TOP	LTE 15 MHz	QPSK	7.865	Hz
TOP	LTE 15 MHz	16QAM	9.302	Hz
TOP	LTE 15 MHz	64QAM	8.900	Hz
TOP	LTE 15 MHz	256QAM	3.137	Hz
BOTTOM	LTE 20 MHz	QPSK	1.567	Hz
BOTTOM	LTE 20 MHz	16QAM	3.229	Hz
BOTTOM	LTE 20 MHz	64QAM	0.018	Hz
BOTTOM	LTE 20 MHz	256QAM	9.701	Hz
MIDDLE	LTE 20 MHz	QPSK	9.870	Hz
MIDDLE	LTE 20 MHz	16QAM	7.294	Hz
MIDDLE	LTE 20 MHz	64QAM	7.724	Hz
MIDDLE	LTE 20 MHz	256QAM	5.213	Hz
TOP	LTE 20 MHz	QPSK	5.801	Hz
TOP	LTE 20 MHz	16QAM	10.640	Hz
TOP	LTE 20 MHz	64QAM	0.804	Hz
TOP	LTE 20 MHz	256QAM	9.808	Hz

Appendix B: Block diagrams of test set-ups

Radiated emissions set-up

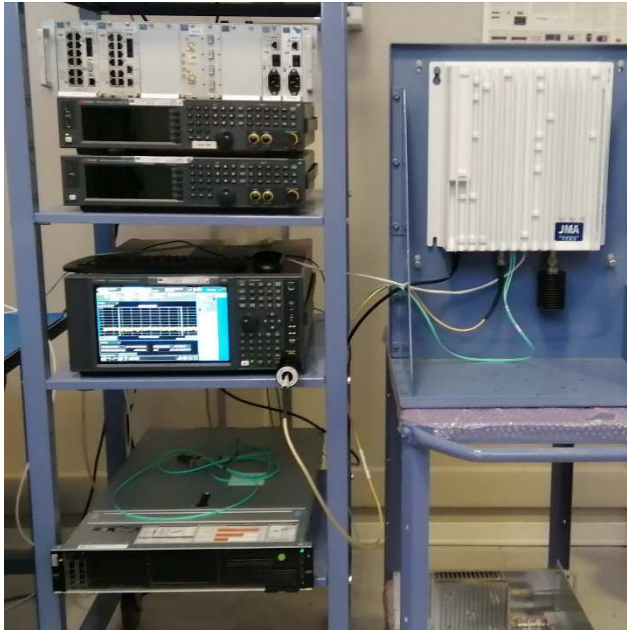


Substitution method set-up



Appendix C: EUT Photos

Photo Set up



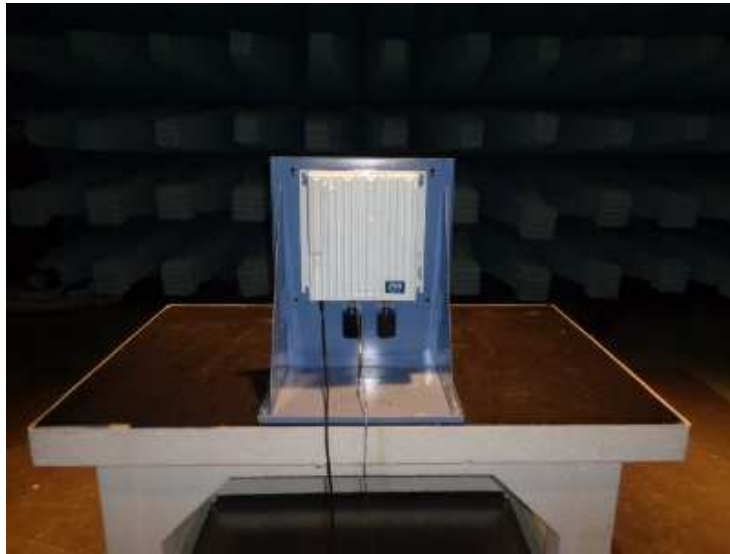
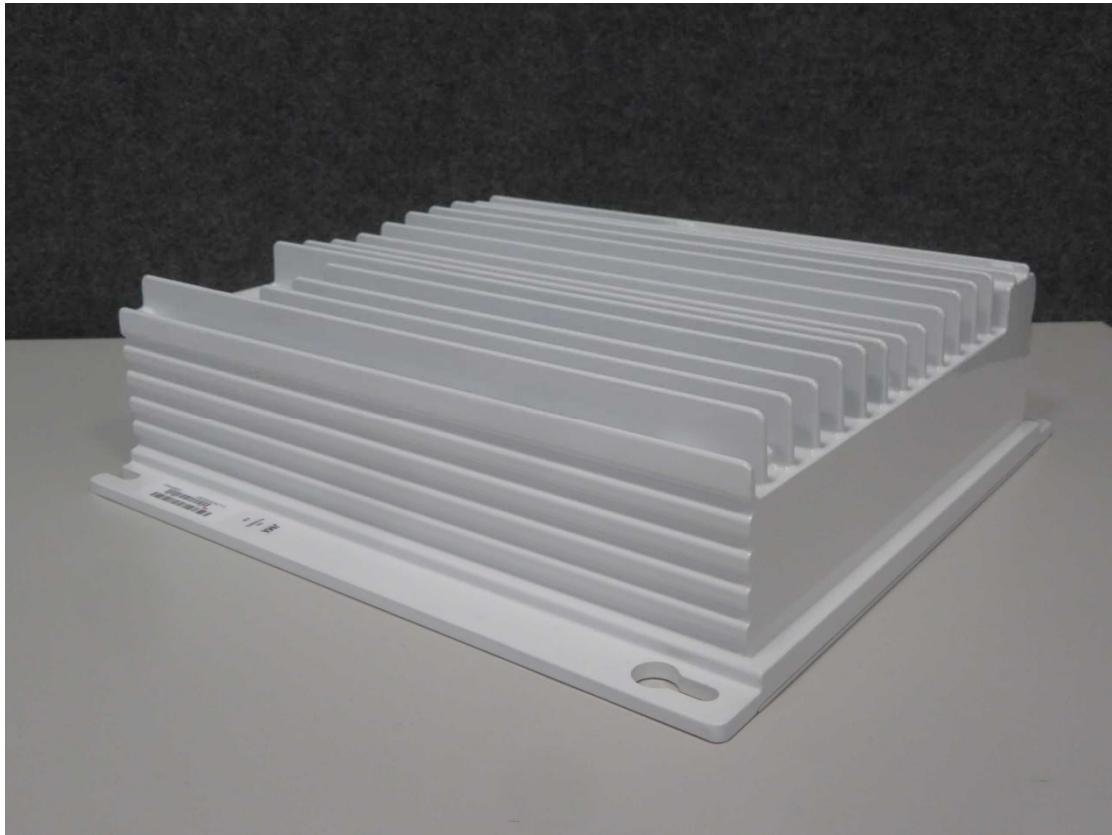


Photo EUT





END OF REPORT