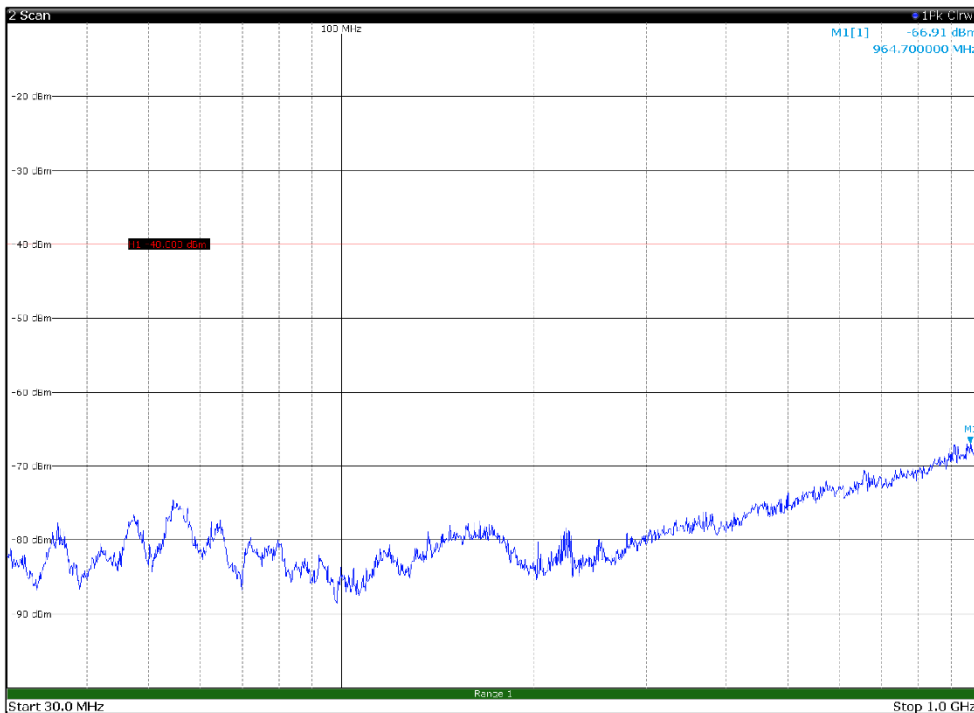
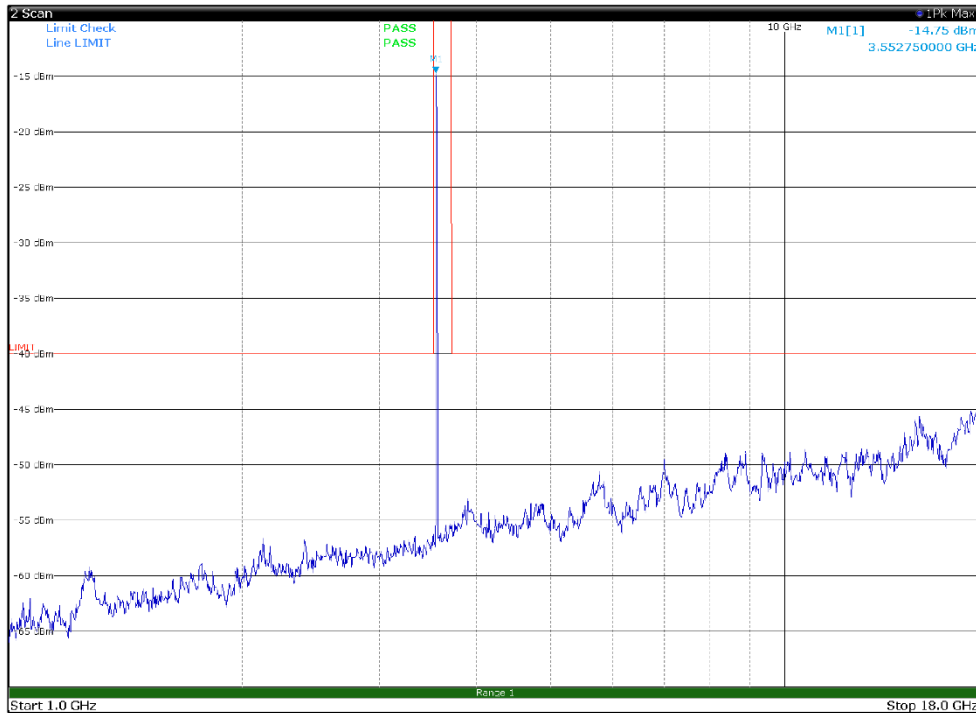


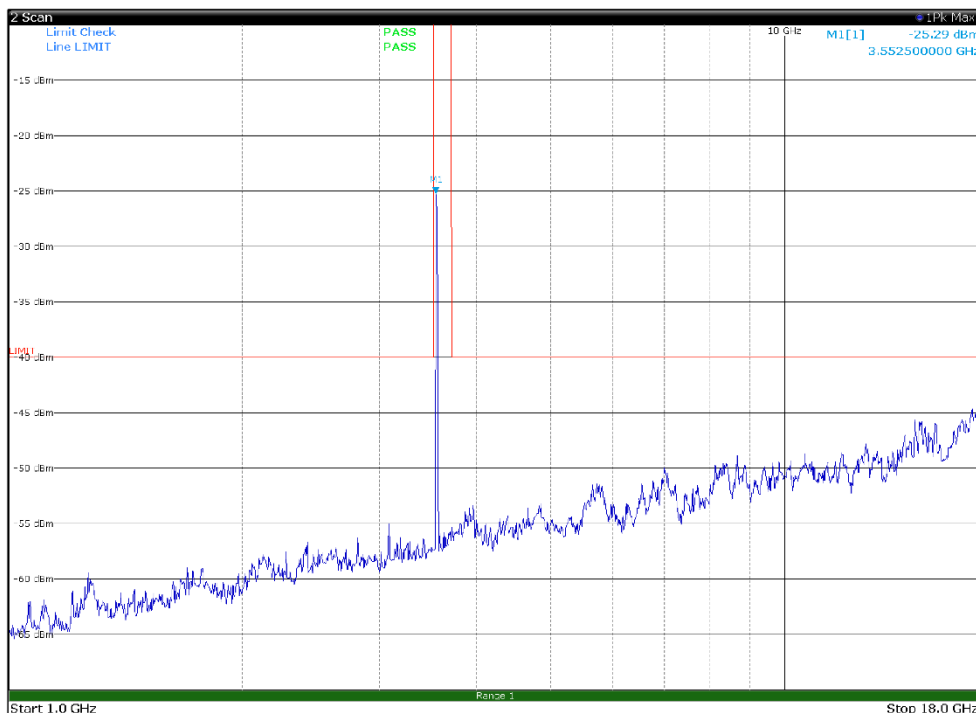
Channel: BOTTOM, Modulation: 64QAM,
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



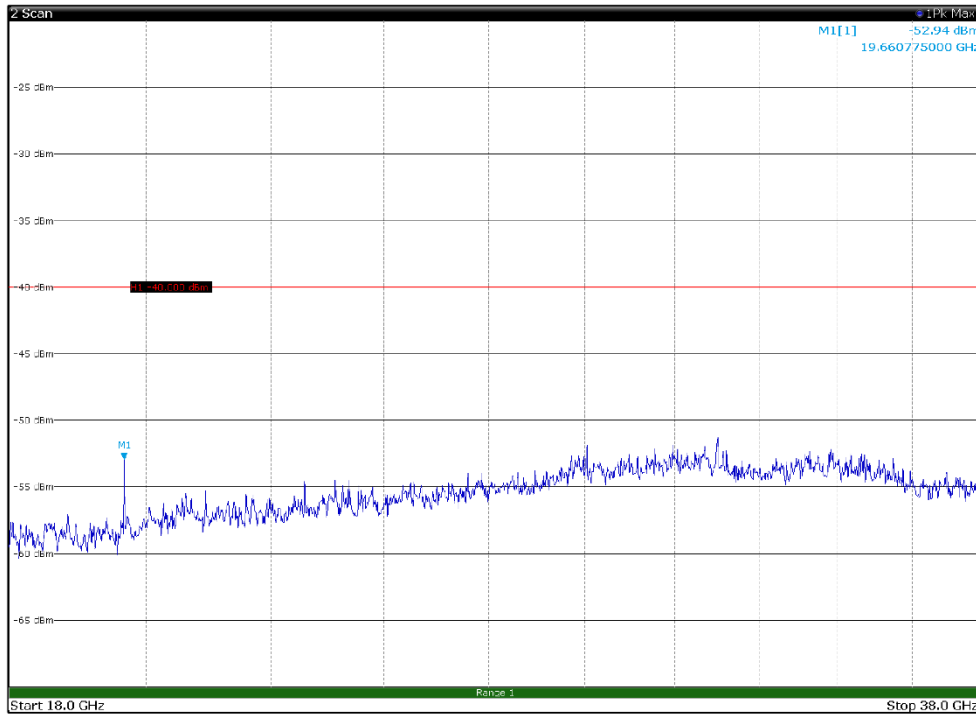
Channel: BOTTOM, Modulation: 64QAM,
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Vertical



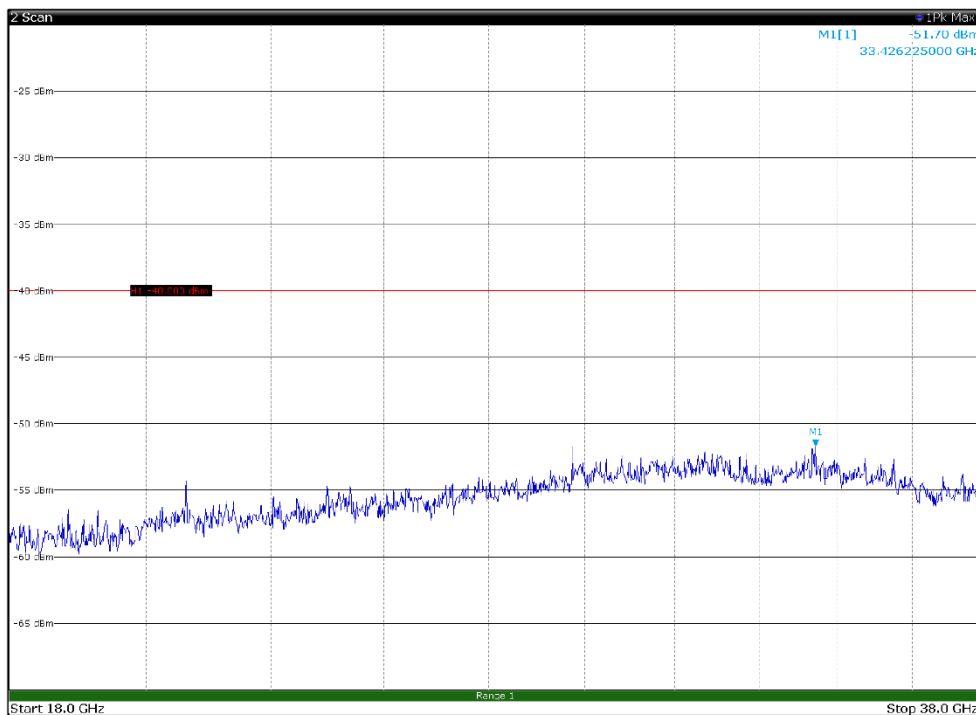
Channel: BOTTOM, Modulation: 64QAM,
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



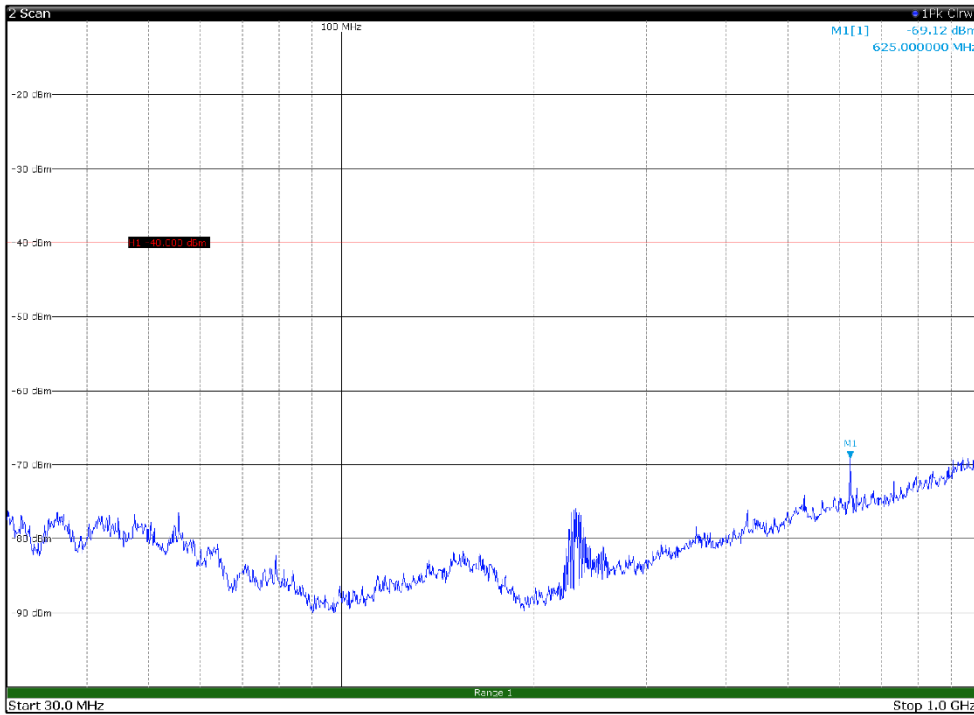
Channel: BOTTOM, Modulation: 64QAM,
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical



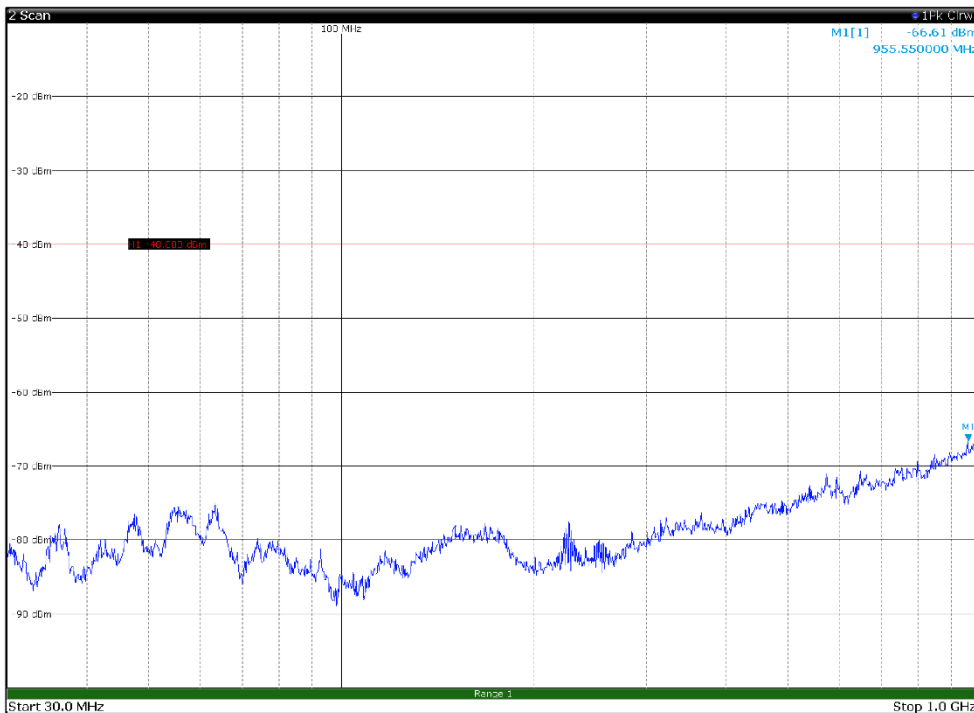
Channel: BOTTOM, Modulation: 64QAM,
BW=20MHz, Range: 18GHz - 38GHz, Polarization: Horizontal



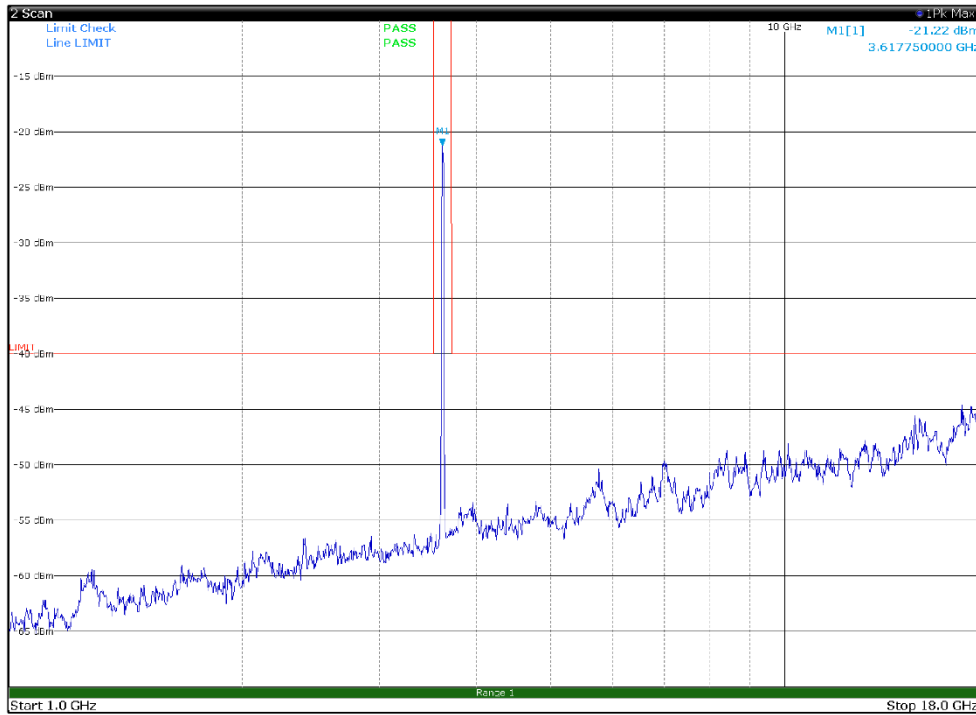
Channel: BOTTOM, Modulation: 64QAM,
BW=20MHz, Range: 18GHz - 38GHz, Polarization: Vertical



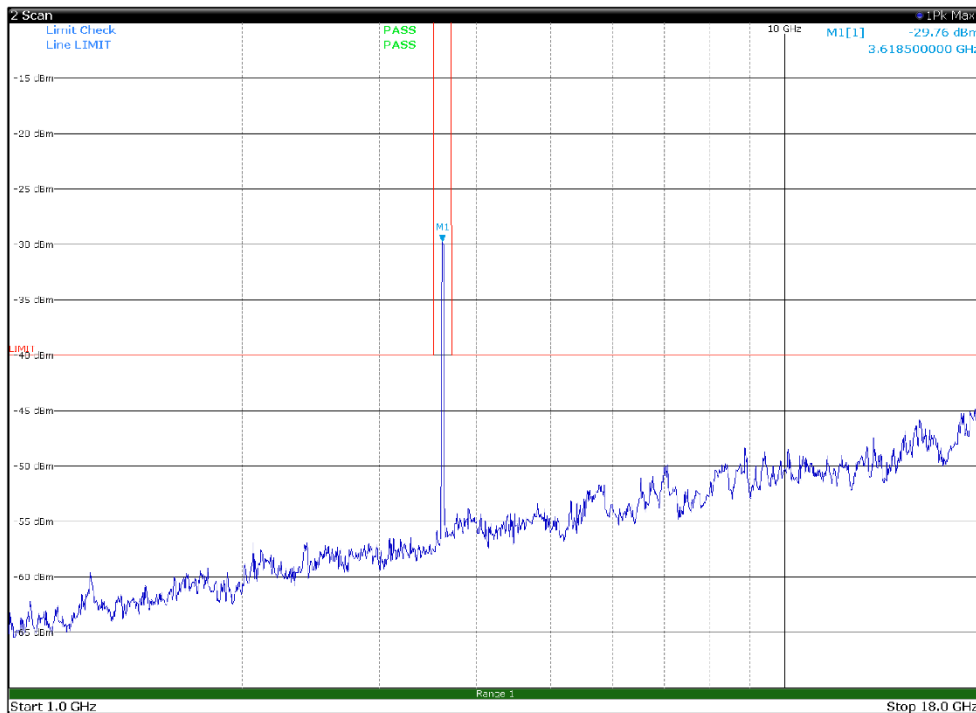
Channel: MIDDLE, Modulation: 64QAM,
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



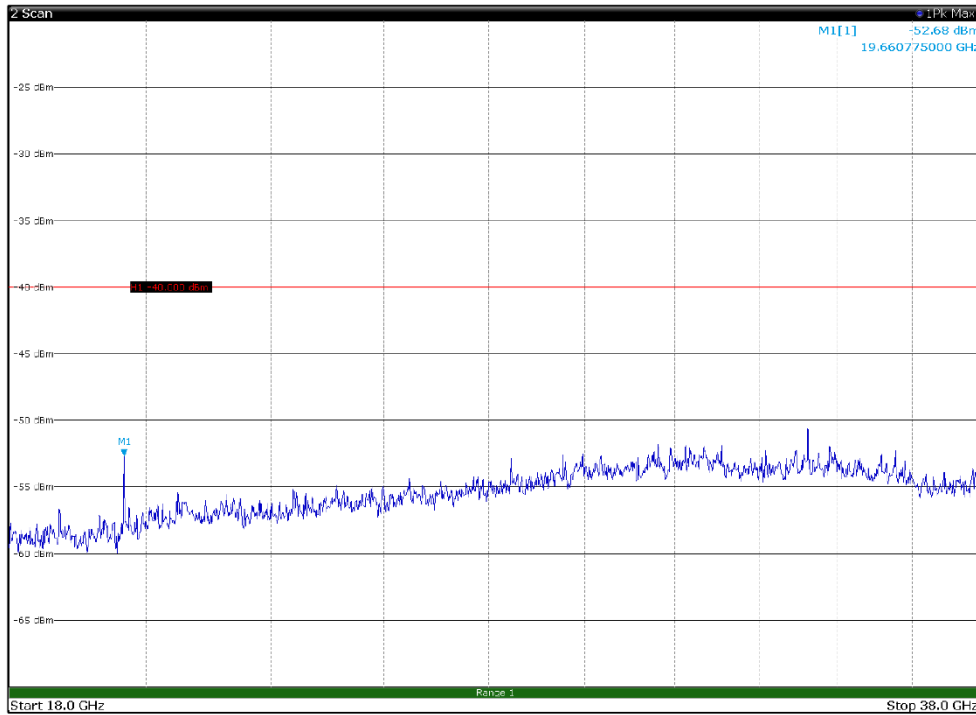
Channel: MIDDLE, Modulation: 64QAM,
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Vertical



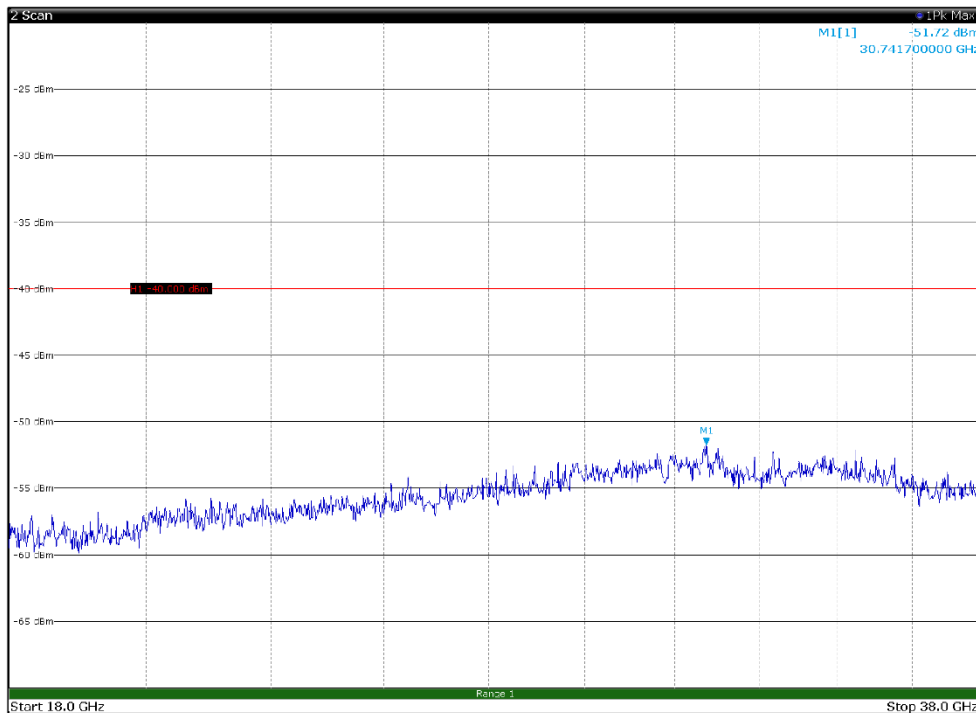
Channel: MIDDLE, Modulation: 64QAM,
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



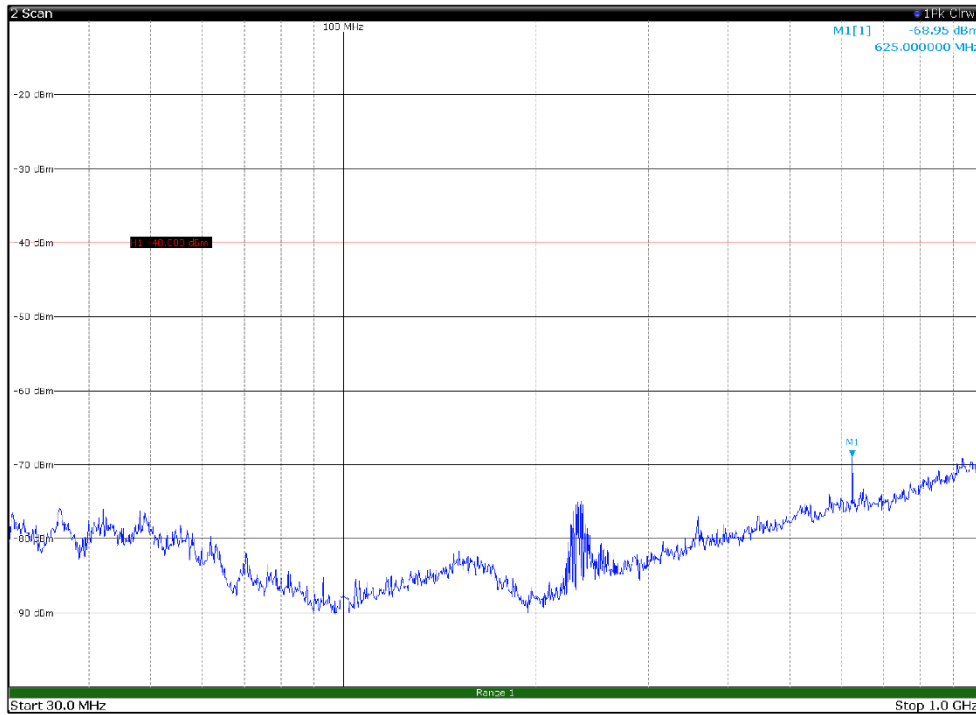
Channel: MIDDLE, Modulation: 64QAM,
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical



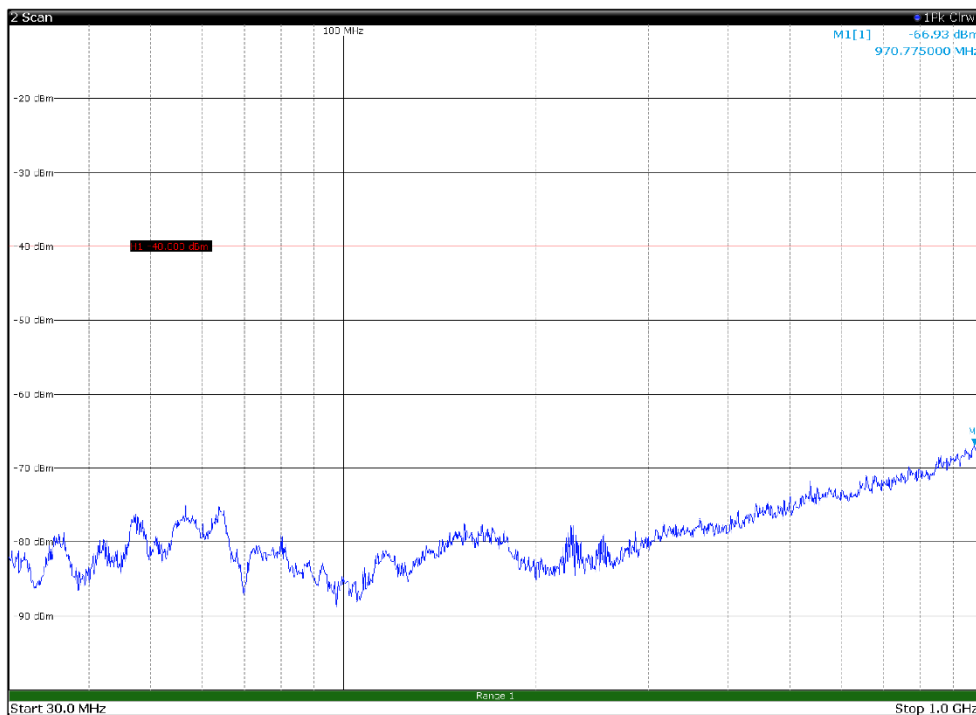
Channel: MIDDLE, Modulation: 64QAM,
BW=20MHz, Range: 18GHz - 38GHz, Polarization: Horizontal



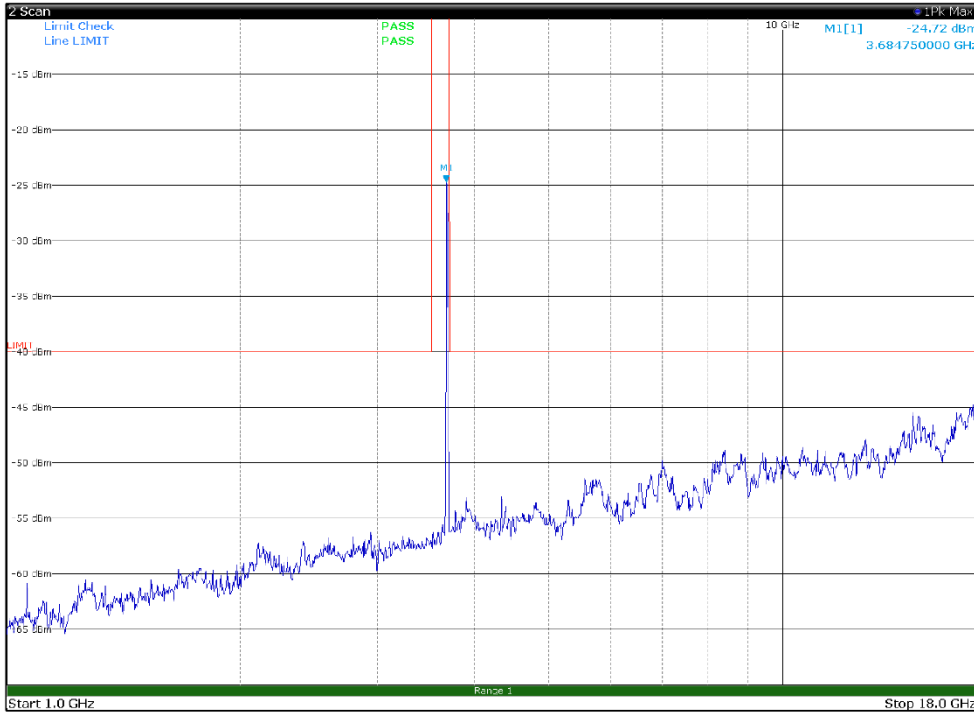
Channel: MIDDLE, Modulation: 64QAM,
BW=20MHz, Range: 18GHz - 38GHz, Polarization: Vertical



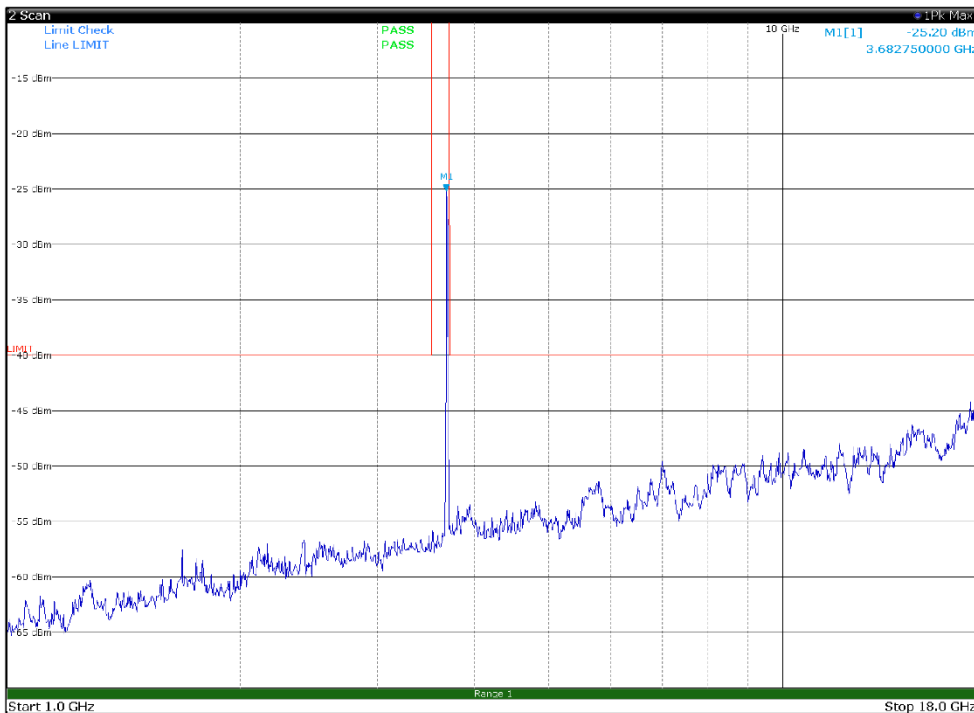
Channel: TOP, Modulation: 64QAM,
 BW=20MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



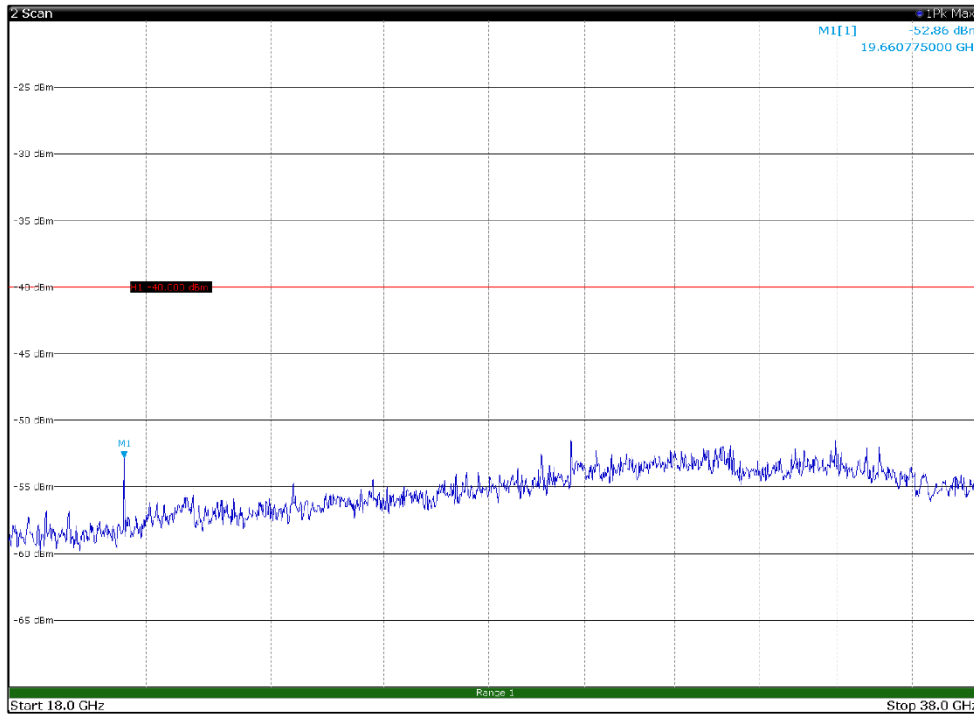
Channel: TOP, Modulation: 64QAM,
 BW=20MHz, Range: 30MHz - 1GHz, Polarization: Vertical



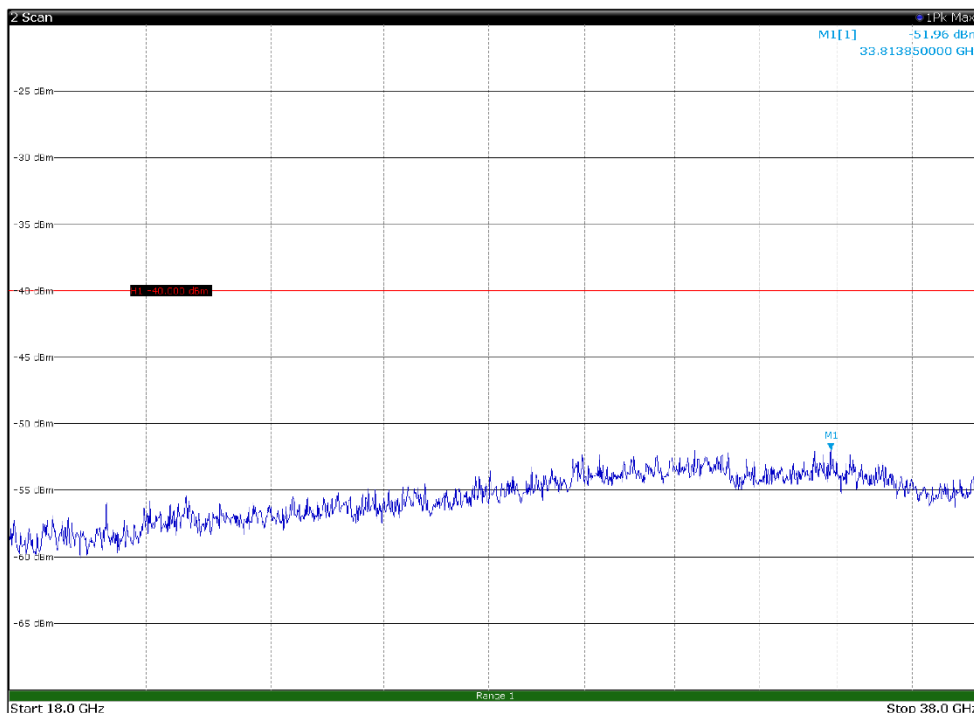
Channel: TOP, Modulation: 64QAM,
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



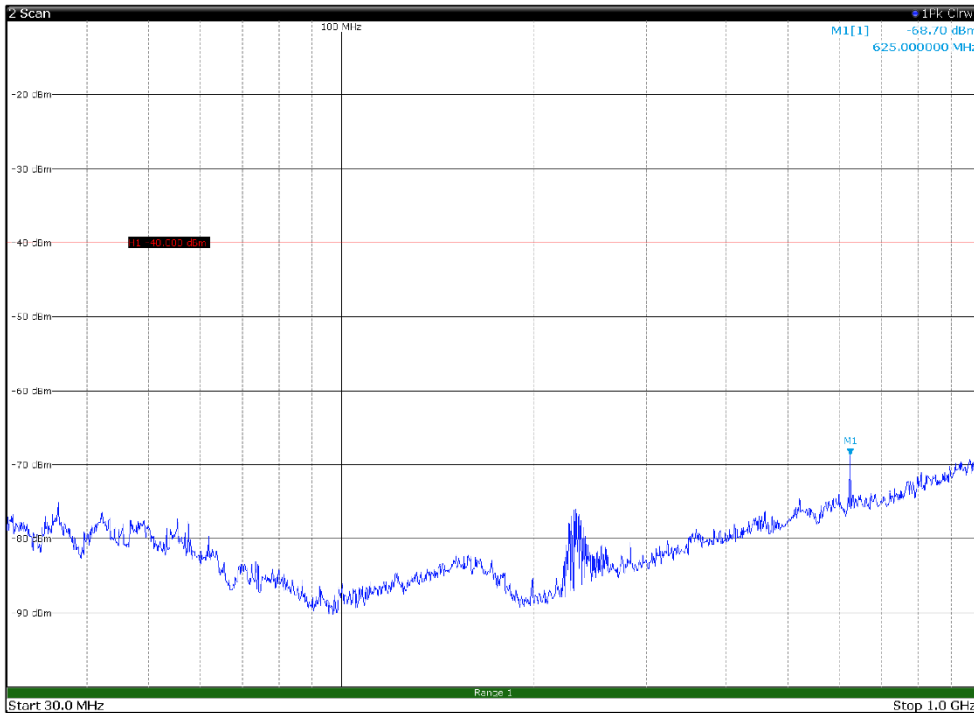
Channel: TOP, Modulation: 64QAM,
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical



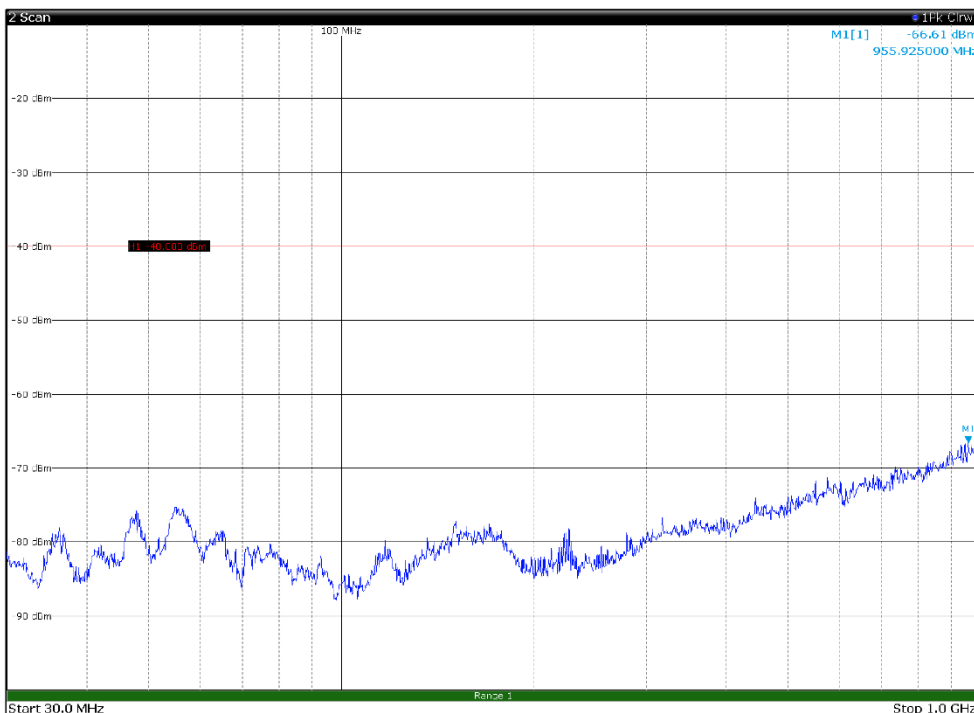
Channel: TOP, Modulation: 64QAM,
BW=20MHz, Range: 18GHz - 38GHz, Polarization: Horizontal



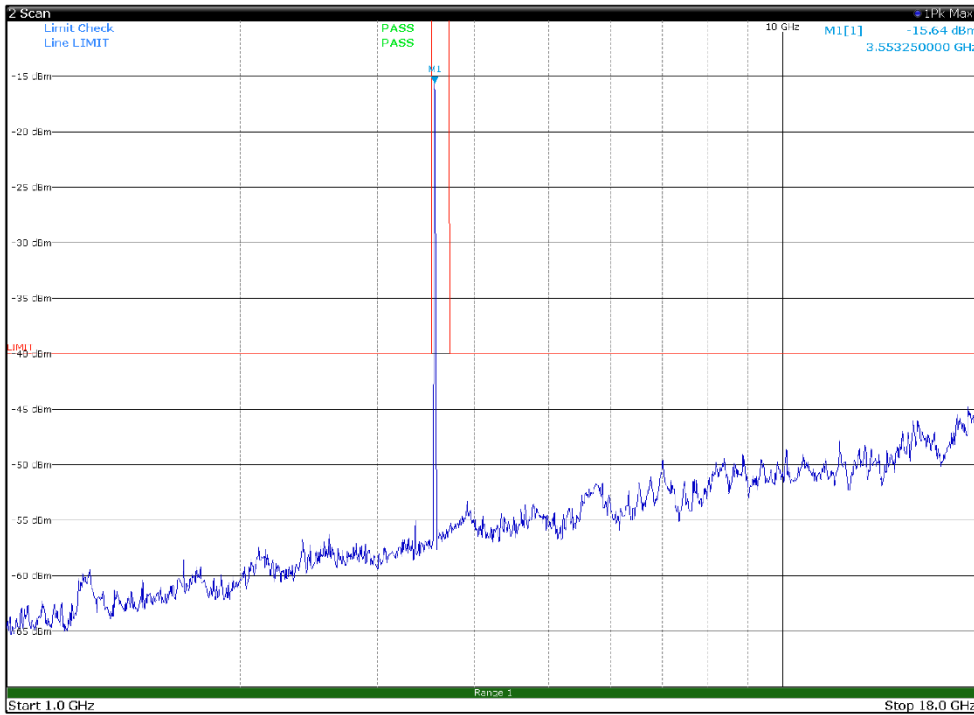
Channel: TOP, Modulation: 64QAM,
BW=20MHz, Range: 18GHz - 38GHz, Polarization: Vertical



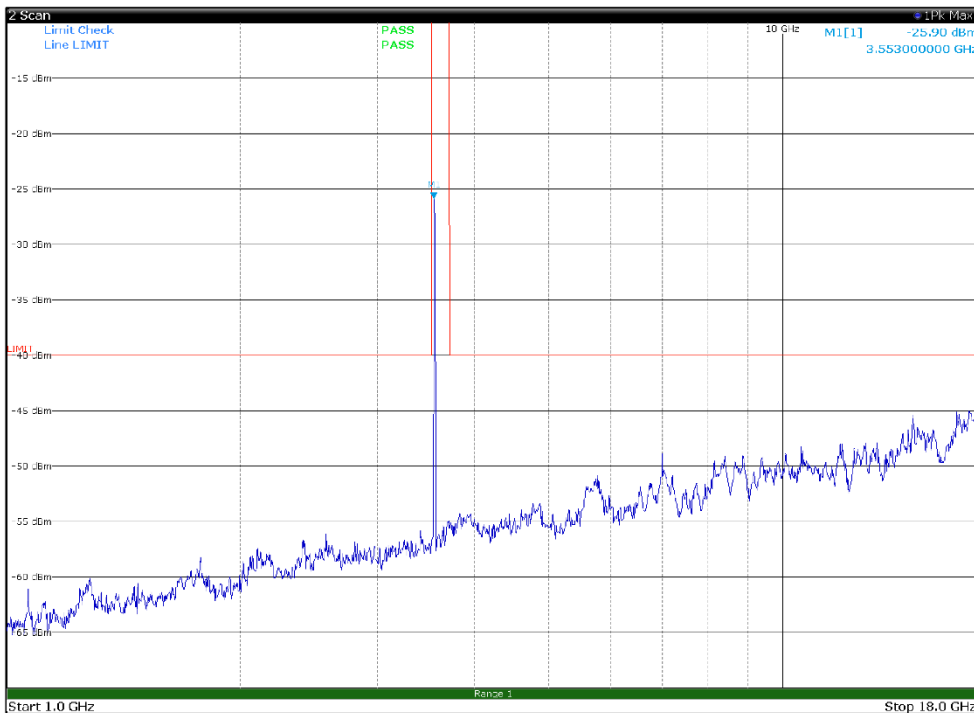
Channel: BOTTOM, Modulation: 256QAM,
 BW=20MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



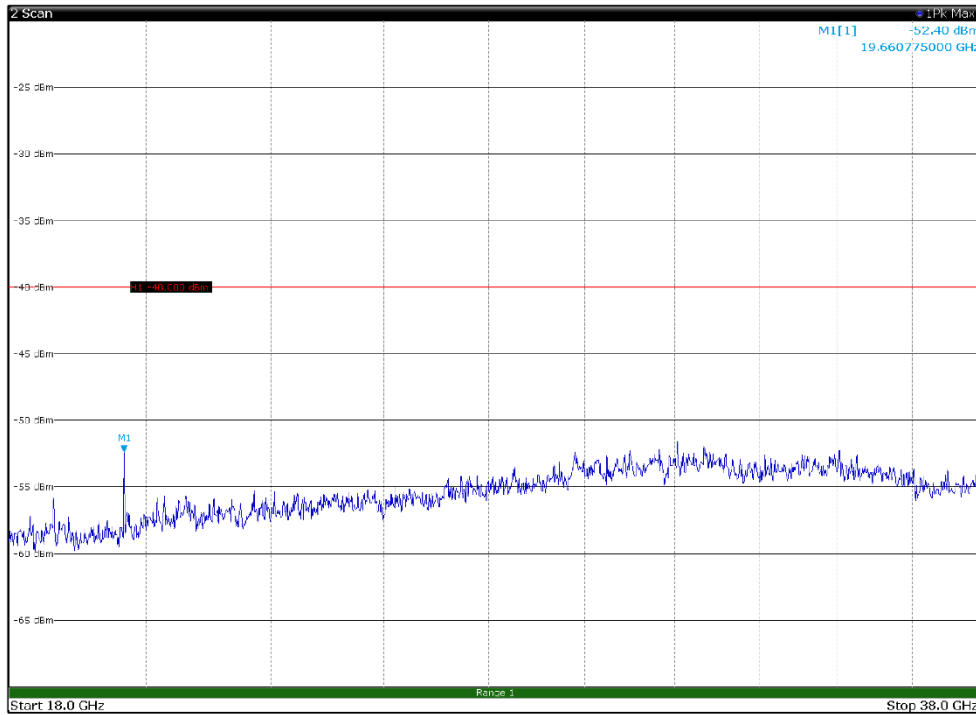
Channel: BOTTOM, Modulation: 256QAM,
 BW=20MHz, Range: 30MHz - 1GHz, Polarization: Vertical



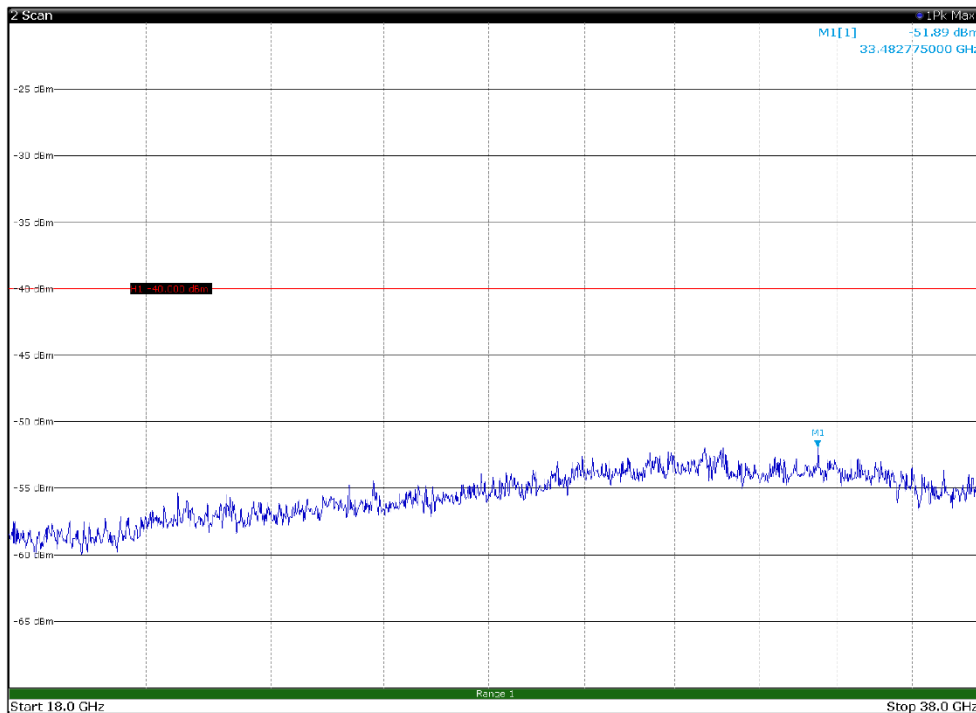
Channel: BOTTOM, Modulation: 256QAM,
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



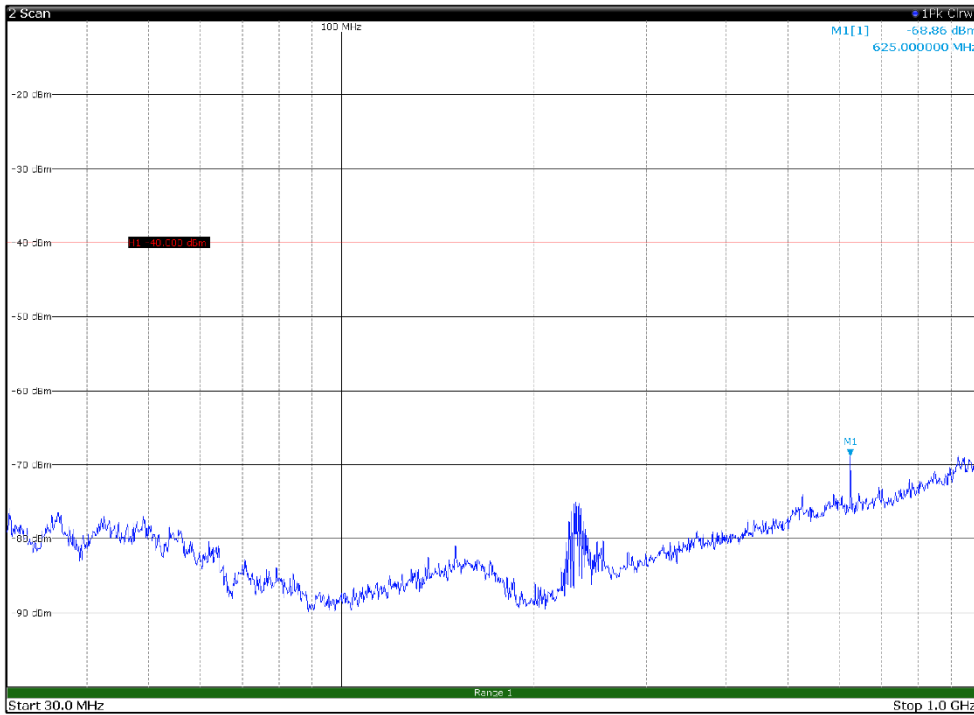
Channel: BOTTOM, Modulation: 256QAM,
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical



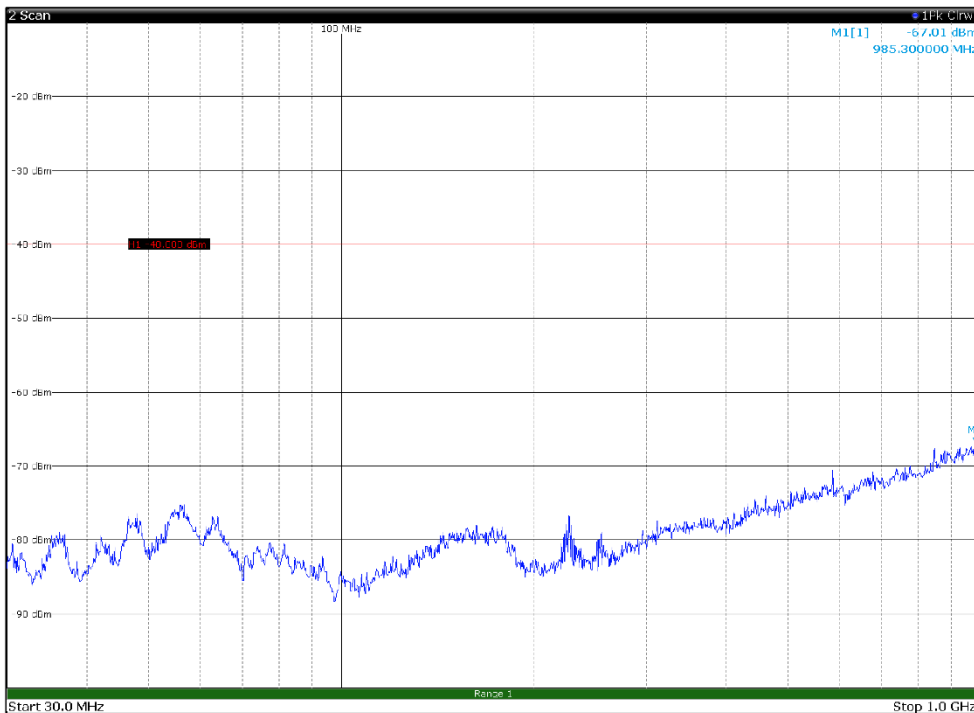
Channel: BOTTOM, Modulation: 256QAM,
BW=20MHz, Range: 18GHz - 38GHz, Polarization: Horizontal



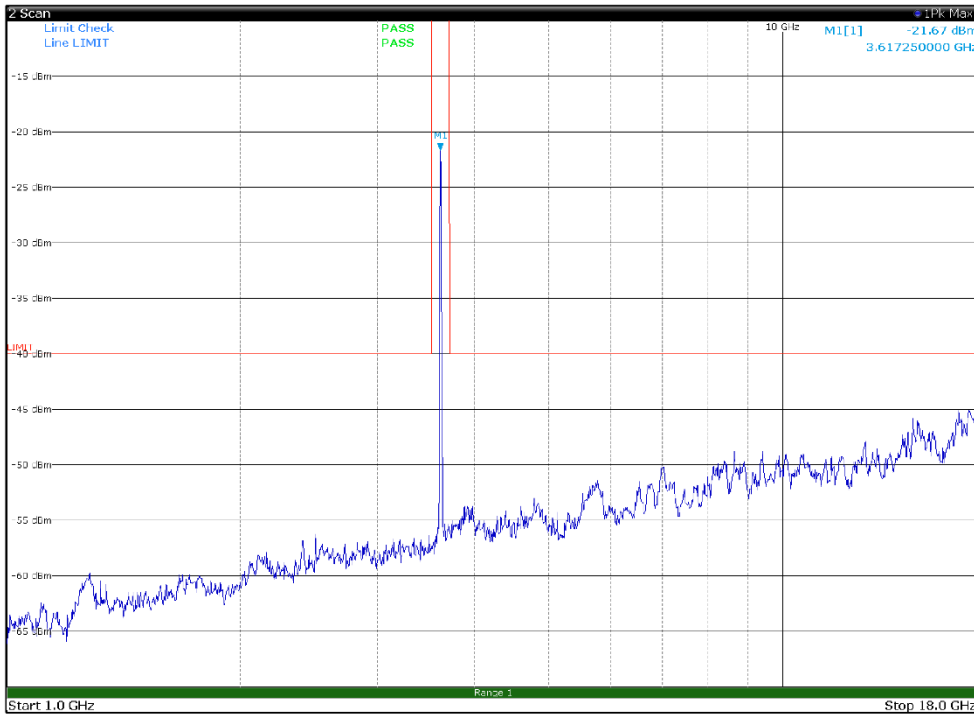
Channel: BOTTOM, Modulation: 256QAM,
BW=20MHz, Range: 18GHz - 38GHz, Polarization: Vertical



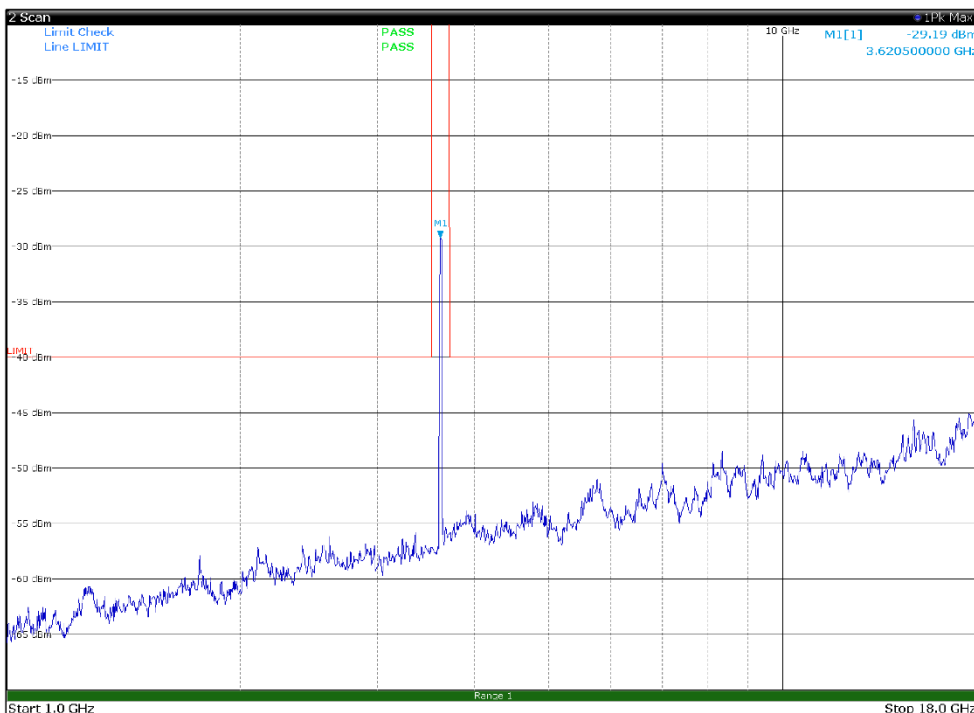
Channel: MIDDLE, Modulation: 256QAM,
 BW=20MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



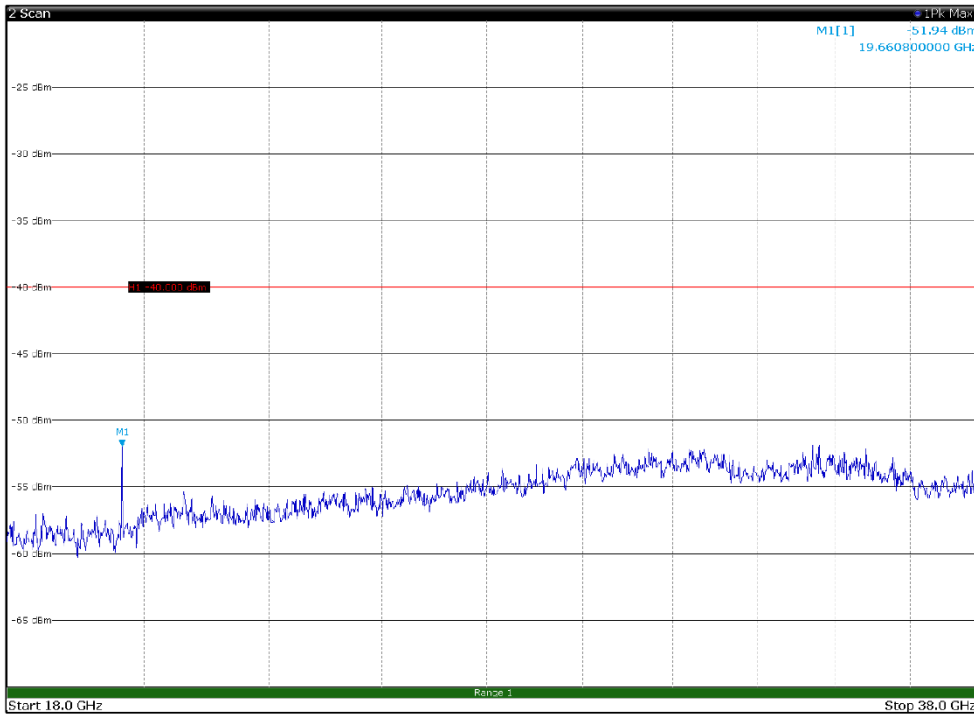
Channel: MIDDLE, Modulation: 256QAM,
 BW=20MHz, Range: 30MHz - 1GHz, Polarization: Vertical



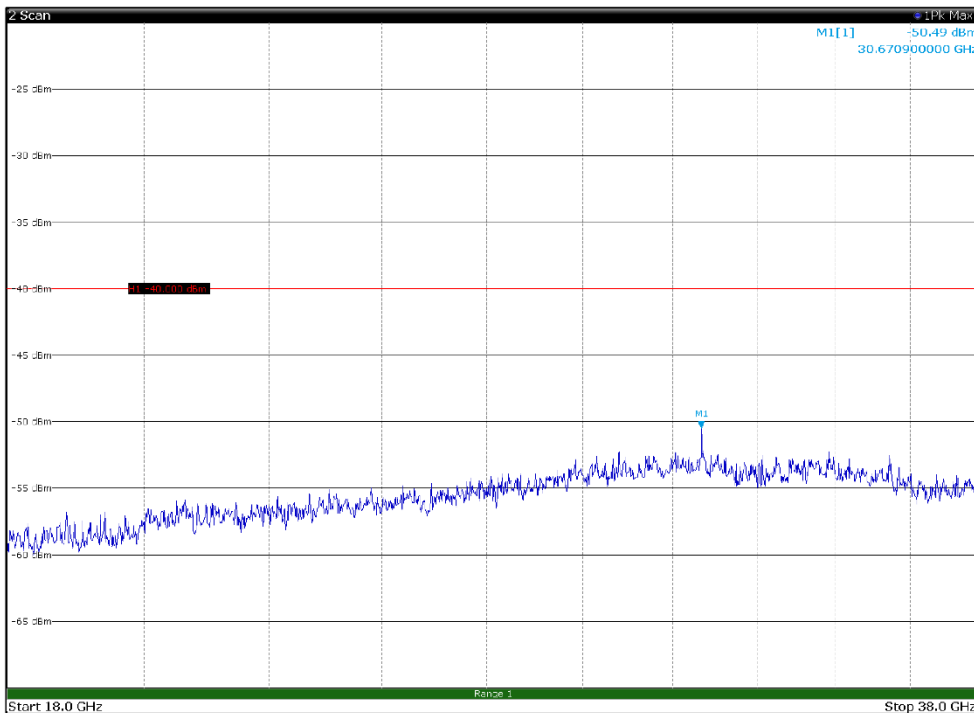
Channel: MIDDLE, Modulation: 256QAM,
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



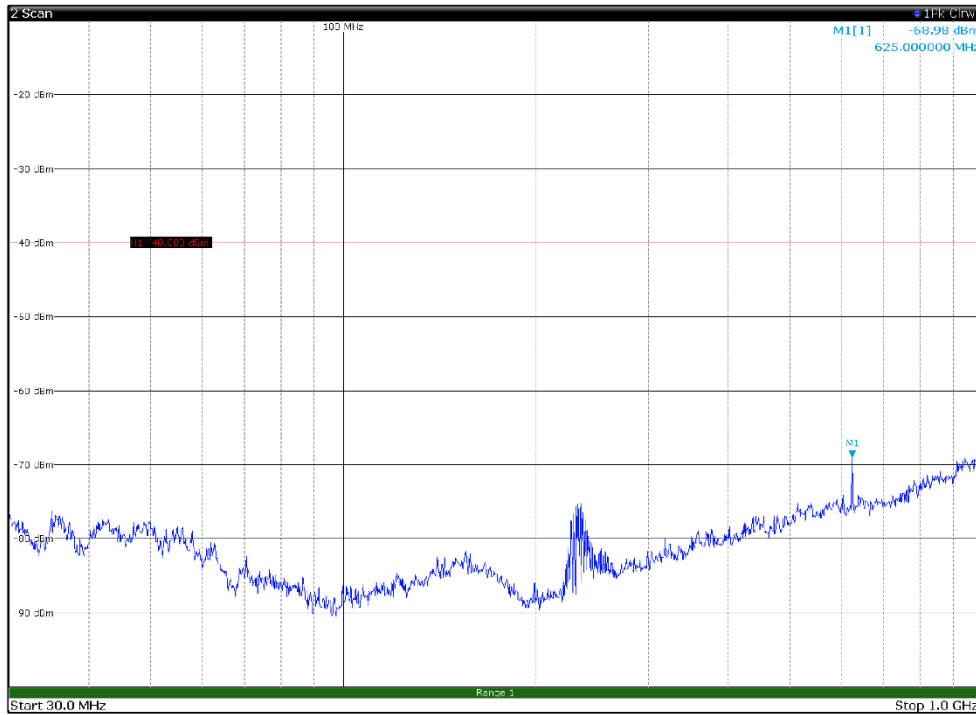
Channel: MIDDLE, Modulation: 256QAM,
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical



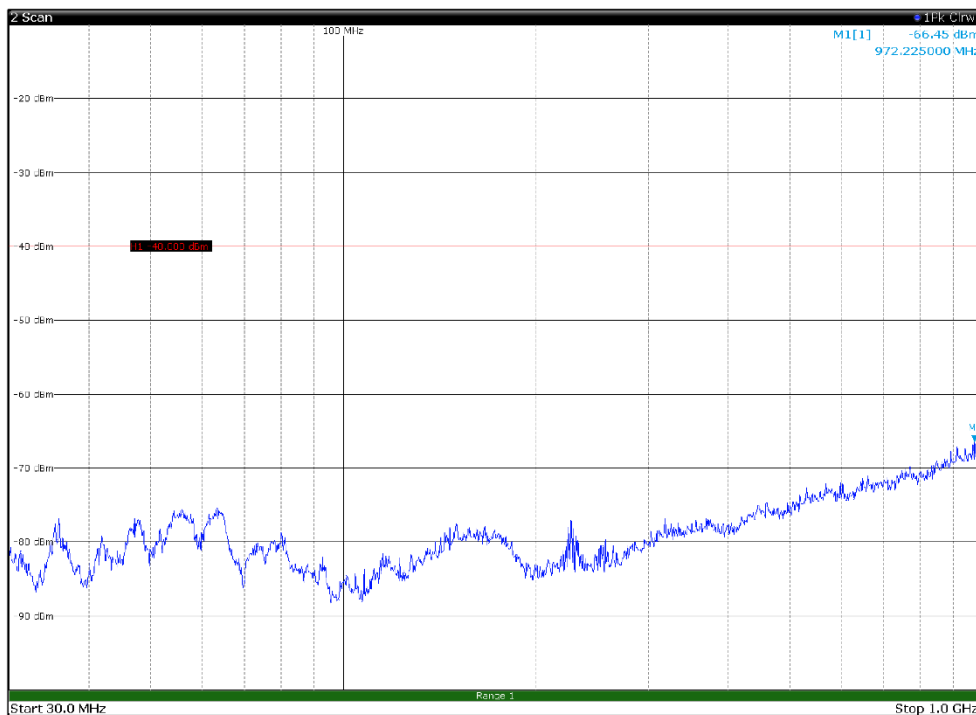
Channel: MIDDLE, Modulation: 256QAM,
BW=20MHz, Range: 18GHz - 38GHz, Polarization: Horizontal



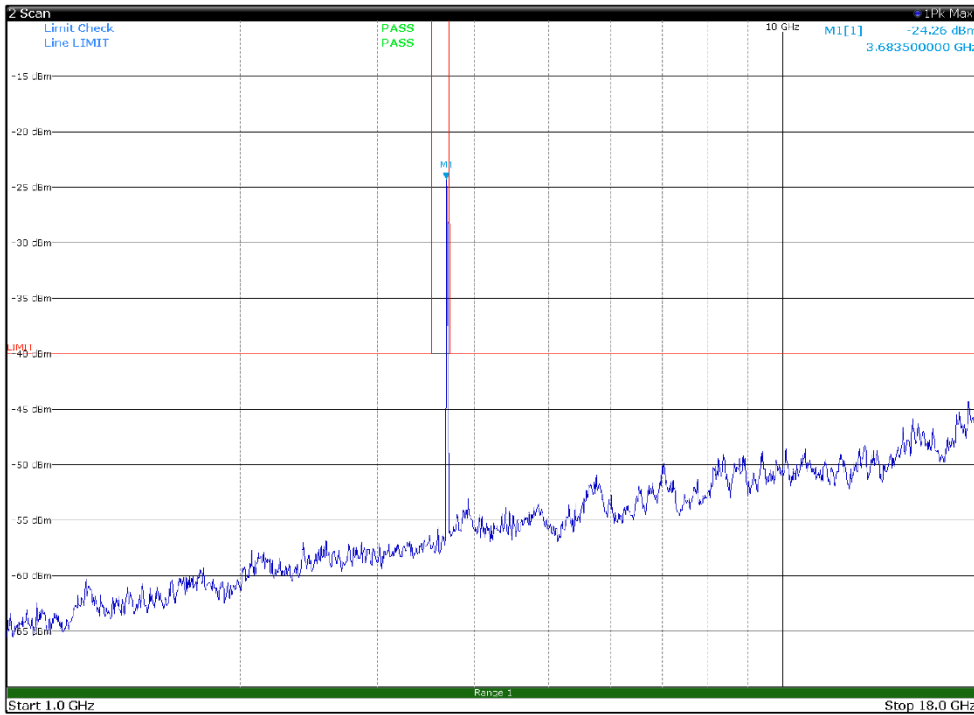
Channel: MIDDLE, Modulation: 256QAM,
BW=20MHz, Range: 18GHz - 38GHz, Polarization: Vertical



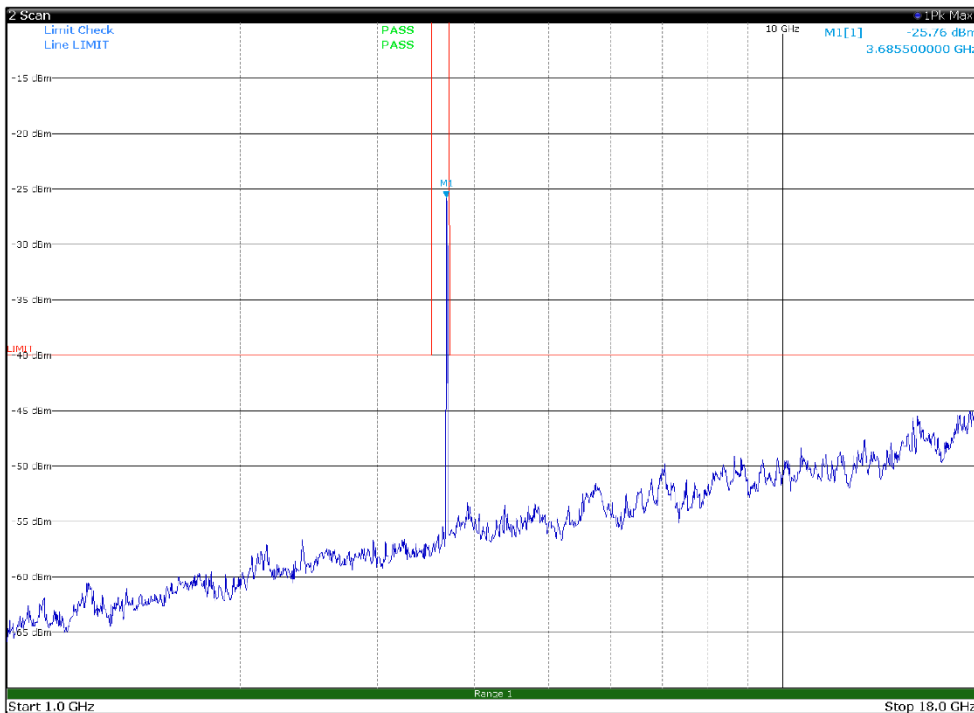
Channel: TOP, Modulation: 256QAM,
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



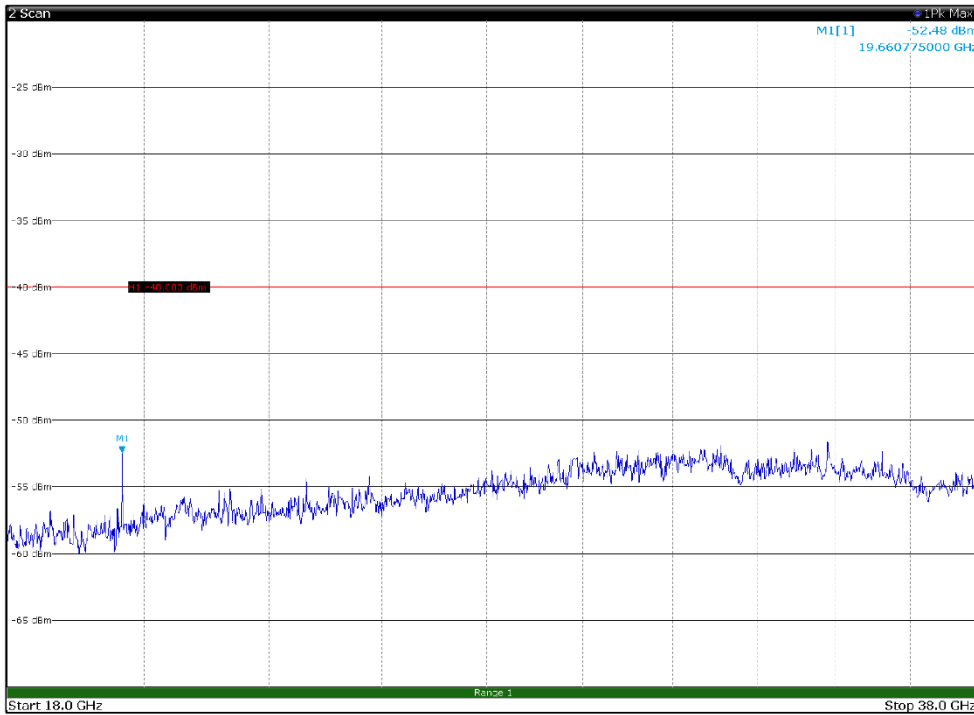
Channel: TOP, Modulation: 256QAM,
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Vertical



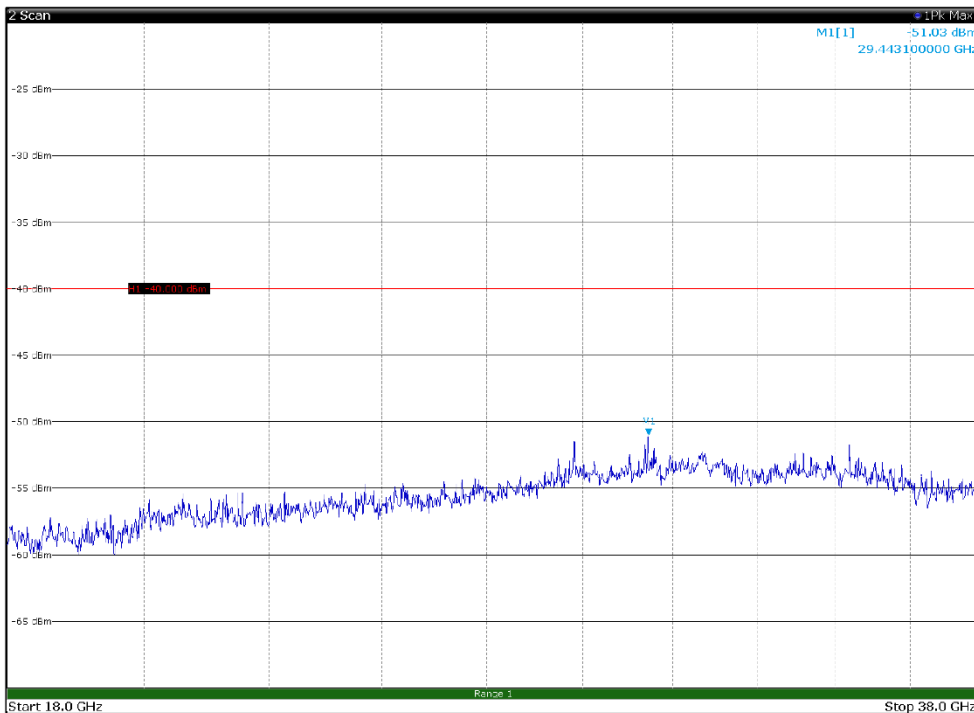
Channel: TOP, Modulation: 256QAM,
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



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



Channel: TOP, Modulation: 256QAM,
BW=20MHz, Range: 18GHz - 38GHz, Polarization: Horizontal



Channel: TOP, Modulation: 256QAM,
BW=20MHz, Range: 18GHz - 38GHz, Polarization: Vertical

Clause 2.1055 Frequency stability

- (a) The frequency stability shall be measured with variation of ambient temperature as follows:
- (1) From -30° to $+50^{\circ}$ centigrade for all equipment except that specified in paragraphs (a) (2) and (3) of this section.
- (b) Frequency measurements shall be made at the extremes of the specified temperature range and at intervals of not more than 10° centigrade through the range. A period of time sufficient to stabilize all of the components of the oscillator circuit at each temperature level shall be allowed prior to frequency measurement. The short term transient effects on the frequency of the transmitter due to keying (except for broadcast transmitters) and any heating element cycling normally occurring at each ambient temperature level also shall be shown. Only the portion or portions of the transmitter containing the frequency determining and stabilizing circuitry need be subjected to the temperature variation test.
- (d) The frequency stability shall be measured with variation of primary supply voltage as follows:
- (1) Vary primary supply voltage from 85 to 115 percent of the nominal value for other than hand carried battery equipment.

Test date: 09/28/2020 to 10/09/2020

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 data

RF PORT 1

Temperature = -30°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-1.62	Hz
BOTTOM	LTE 5 MHz	16QAM	1.165	Hz
BOTTOM	LTE 5 MHz	64QAM	1.627	Hz
BOTTOM	LTE 5 MHz	256QAM	-838	mHz
MIDDLE	LTE 5 MHz	QPSK	-1.363	Hz
MIDDLE	LTE 5 MHz	16QAM	-440	mHz
MIDDLE	LTE 5 MHz	64QAM	-157	mHz
MIDDLE	LTE 5 MHz	256QAM	-1.521	Hz
TOP	LTE 5 MHz	QPSK	-889	mHz
TOP	LTE 5 MHz	16QAM	-70	mHz
TOP	LTE 5 MHz	64QAM	780	mHz
TOP	LTE 5 MHz	256QAM	-509	mHz
BOTTOM	LTE 10 MHz	QPSK	1.179	Hz
BOTTOM	LTE 10 MHz	16QAM	-1.077	Hz
BOTTOM	LTE 10 MHz	64QAM	-1.046	Hz
BOTTOM	LTE 10 MHz	256QAM	1.436	Hz
MIDDLE	LTE 10 MHz	QPSK	-1.522	Hz
MIDDLE	LTE 10 MHz	16QAM	623	mHz
MIDDLE	LTE 10 MHz	64QAM	1.038	Hz
MIDDLE	LTE 10 MHz	256QAM	-783	mHz
TOP	LTE 10 MHz	QPSK	-439	mHz
TOP	LTE 10 MHz	16QAM	1.094	Hz
TOP	LTE 10 MHz	64QAM	-436	mHz
TOP	LTE 10 MHz	256QAM	1.042	Hz
BOTTOM	LTE 15 MHz	QPSK	759	mHz
BOTTOM	LTE 15 MHz	16QAM	589	mHz
BOTTOM	LTE 15 MHz	64QAM	1.246	Hz
BOTTOM	LTE 15 MHz	256QAM	-182	mHz
MIDDLE	LTE 15 MHz	QPSK	956	mHz
MIDDLE	LTE 15 MHz	16QAM	-233	mHz
MIDDLE	LTE 15 MHz	64QAM	1.176	Hz
MIDDLE	LTE 15 MHz	256QAM	1.456	Hz
TOP	LTE 15 MHz	QPSK	942	mHz
TOP	LTE 15 MHz	16QAM	-420	mHz
TOP	LTE 15 MHz	64QAM	-153	mHz
TOP	LTE 15 MHz	256QAM	-855	mHz
BOTTOM	LTE 20 MHz	QPSK	-543	mHz
BOTTOM	LTE 20 MHz	16QAM	-1.308	Hz
BOTTOM	LTE 20 MHz	64QAM	623	mHz
BOTTOM	LTE 20 MHz	256QAM	1.174	Hz
MIDDLE	LTE 20 MHz	QPSK	964	mHz
MIDDLE	LTE 20 MHz	16QAM	42	mHz
MIDDLE	LTE 20 MHz	64QAM	88	mHz
MIDDLE	LTE 20 MHz	256QAM	-1.627	Hz
TOP	LTE 20 MHz	QPSK	-373	mHz
TOP	LTE 20 MHz	16QAM	1.002	Hz
TOP	LTE 20 MHz	64QAM	408	mHz
TOP	LTE 20 MHz	256QAM	-1.165	Hz

Temperature = -20°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-144	mHz
BOTTOM	LTE 5 MHz	16QAM	408	mHz
BOTTOM	LTE 5 MHz	64QAM	-708	mHz
BOTTOM	LTE 5 MHz	256QAM	-28	mHz
MIDDLE	LTE 5 MHz	QPSK	1.313	Hz
MIDDLE	LTE 5 MHz	16QAM	116	mHz
MIDDLE	LTE 5 MHz	64QAM	744	mHz
MIDDLE	LTE 5 MHz	256QAM	-1.536	Hz
TOP	LTE 5 MHz	QPSK	-844	mHz
TOP	LTE 5 MHz	16QAM	56	mHz
TOP	LTE 5 MHz	64QAM	930	mHz
TOP	LTE 5 MHz	256QAM	359	mHz
BOTTOM	LTE 10 MHz	QPSK	433	mHz
BOTTOM	LTE 10 MHz	16QAM	-1.62	Hz
BOTTOM	LTE 10 MHz	64QAM	192	mHz
BOTTOM	LTE 10 MHz	256QAM	-463	mHz
MIDDLE	LTE 10 MHz	QPSK	-1.518	Hz
MIDDLE	LTE 10 MHz	16QAM	1.236	Hz
MIDDLE	LTE 10 MHz	64QAM	1.381	Hz
MIDDLE	LTE 10 MHz	256QAM	732	mHz
TOP	LTE 10 MHz	QPSK	-1.672	Hz
TOP	LTE 10 MHz	16QAM	540	mHz
TOP	LTE 10 MHz	64QAM	-1.078	Hz
TOP	LTE 10 MHz	256QAM	1.31	Hz
BOTTOM	LTE 15 MHz	QPSK	1.218	Hz
BOTTOM	LTE 15 MHz	16QAM	667	mHz
BOTTOM	LTE 15 MHz	64QAM	1.325	Hz
BOTTOM	LTE 15 MHz	256QAM	-424	mHz
MIDDLE	LTE 15 MHz	QPSK	1.356	Hz
MIDDLE	LTE 15 MHz	16QAM	718	mHz
MIDDLE	LTE 15 MHz	64QAM	-1.627	Hz
MIDDLE	LTE 15 MHz	256QAM	74	mHz
TOP	LTE 15 MHz	QPSK	670	mHz
TOP	LTE 15 MHz	16QAM	-801	mHz
TOP	LTE 15 MHz	64QAM	342	mHz
TOP	LTE 15 MHz	256QAM	137	mHz
BOTTOM	LTE 20 MHz	QPSK	-894	mHz
BOTTOM	LTE 20 MHz	16QAM	-29	mHz
BOTTOM	LTE 20 MHz	64QAM	-1.522	Hz
BOTTOM	LTE 20 MHz	256QAM	-702	mHz
MIDDLE	LTE 20 MHz	QPSK	385	mHz
MIDDLE	LTE 20 MHz	16QAM	-900	mHz
MIDDLE	LTE 20 MHz	64QAM	-323	mHz
MIDDLE	LTE 20 MHz	256QAM	-1.129	Hz
TOP	LTE 20 MHz	QPSK	242	mHz
TOP	LTE 20 MHz	16QAM	1.417	Hz
TOP	LTE 20 MHz	64QAM	-1.166	Hz
TOP	LTE 20 MHz	256QAM	-660	mHz

Temperature = -10°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-208	mHz
BOTTOM	LTE 5 MHz	16QAM	-174	mHz
BOTTOM	LTE 5 MHz	64QAM	282	mHz
BOTTOM	LTE 5 MHz	256QAM	-807	mHz
MIDDLE	LTE 5 MHz	QPSK	1.448	Hz
MIDDLE	LTE 5 MHz	16QAM	287	mHz
MIDDLE	LTE 5 MHz	64QAM	-329	mHz
MIDDLE	LTE 5 MHz	256QAM	496	mHz
TOP	LTE 5 MHz	QPSK	546	mHz
TOP	LTE 5 MHz	16QAM	246	mHz
TOP	LTE 5 MHz	64QAM	-280	mHz
TOP	LTE 5 MHz	256QAM	-162	mHz
BOTTOM	LTE 10 MHz	QPSK	1.171	Hz
BOTTOM	LTE 10 MHz	16QAM	91	mHz
BOTTOM	LTE 10 MHz	64QAM	1.599	Hz
BOTTOM	LTE 10 MHz	256QAM	357	mHz
MIDDLE	LTE 10 MHz	QPSK	1.464	Hz
MIDDLE	LTE 10 MHz	16QAM	823	mHz
MIDDLE	LTE 10 MHz	64QAM	-1.628	Hz
MIDDLE	LTE 10 MHz	256QAM	-1.314	Hz
TOP	LTE 10 MHz	QPSK	-319	mHz
TOP	LTE 10 MHz	16QAM	1.305	Hz
TOP	LTE 10 MHz	64QAM	879	mHz
TOP	LTE 10 MHz	256QAM	-1.581	Hz
BOTTOM	LTE 15 MHz	QPSK	689	mHz
BOTTOM	LTE 15 MHz	16QAM	995	mHz
BOTTOM	LTE 15 MHz	64QAM	1.657	Hz
BOTTOM	LTE 15 MHz	256QAM	-1.156	Hz
MIDDLE	LTE 15 MHz	QPSK	-282	mHz
MIDDLE	LTE 15 MHz	16QAM	321	mHz
MIDDLE	LTE 15 MHz	64QAM	-157	mHz
MIDDLE	LTE 15 MHz	256QAM	957	mHz
TOP	LTE 15 MHz	QPSK	-741	mHz
TOP	LTE 15 MHz	16QAM	-801	mHz
TOP	LTE 15 MHz	64QAM	-61	mHz
TOP	LTE 15 MHz	256QAM	-269	mHz
BOTTOM	LTE 20 MHz	QPSK	-688	mHz
BOTTOM	LTE 20 MHz	16QAM	-956	mHz
BOTTOM	LTE 20 MHz	64QAM	-565	mHz
BOTTOM	LTE 20 MHz	256QAM	312	mHz
MIDDLE	LTE 20 MHz	QPSK	-121	mHz
MIDDLE	LTE 20 MHz	16QAM	1.251	Hz
MIDDLE	LTE 20 MHz	64QAM	810	mHz
MIDDLE	LTE 20 MHz	256QAM	-1.57	Hz
TOP	LTE 20 MHz	QPSK	-289	mHz
TOP	LTE 20 MHz	16QAM	1.648	Hz
TOP	LTE 20 MHz	64QAM	-257	mHz
TOP	LTE 20 MHz	256QAM	173	mHz

Temperature = 0°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	959	mHz
BOTTOM	LTE 5 MHz	16QAM	-632	mHz
BOTTOM	LTE 5 MHz	64QAM	187	mHz
BOTTOM	LTE 5 MHz	256QAM	-533	mHz
MIDDLE	LTE 5 MHz	QPSK	-90	mHz
MIDDLE	LTE 5 MHz	16QAM	1.108	Hz
MIDDLE	LTE 5 MHz	64QAM	757	mHz
MIDDLE	LTE 5 MHz	256QAM	-1.356	Hz
TOP	LTE 5 MHz	QPSK	460	mHz
TOP	LTE 5 MHz	16QAM	-794	mHz
TOP	LTE 5 MHz	64QAM	1.198	Hz
TOP	LTE 5 MHz	256QAM	790	mHz
BOTTOM	LTE 10 MHz	QPSK	-1.382	Hz
BOTTOM	LTE 10 MHz	16QAM	1.188	Hz
BOTTOM	LTE 10 MHz	64QAM	-1.575	Hz
BOTTOM	LTE 10 MHz	256QAM	1.051	Hz
MIDDLE	LTE 10 MHz	QPSK	669	mHz
MIDDLE	LTE 10 MHz	16QAM	-1.117	Hz
MIDDLE	LTE 10 MHz	64QAM	657	mHz
MIDDLE	LTE 10 MHz	256QAM	385	mHz
TOP	LTE 10 MHz	QPSK	-1.294	Hz
TOP	LTE 10 MHz	16QAM	-1.118	Hz
TOP	LTE 10 MHz	64QAM	-1.386	Hz
TOP	LTE 10 MHz	256QAM	-817	mHz
BOTTOM	LTE 15 MHz	QPSK	-531	mHz
BOTTOM	LTE 15 MHz	16QAM	-1.067	Hz
BOTTOM	LTE 15 MHz	64QAM	-779	mHz
BOTTOM	LTE 15 MHz	256QAM	-1.327	Hz
MIDDLE	LTE 15 MHz	QPSK	-206	mHz
MIDDLE	LTE 15 MHz	16QAM	301	mHz
MIDDLE	LTE 15 MHz	64QAM	691	mHz
MIDDLE	LTE 15 MHz	256QAM	-456	mHz
TOP	LTE 15 MHz	QPSK	-1.626	Hz
TOP	LTE 15 MHz	16QAM	-452	mHz
TOP	LTE 15 MHz	64QAM	573	mHz
TOP	LTE 15 MHz	256QAM	1.481	Hz
BOTTOM	LTE 20 MHz	QPSK	1.397	Hz
BOTTOM	LTE 20 MHz	16QAM	434	mHz
BOTTOM	LTE 20 MHz	64QAM	-874	mHz
BOTTOM	LTE 20 MHz	256QAM	-682	mHz
MIDDLE	LTE 20 MHz	QPSK	781	mHz
MIDDLE	LTE 20 MHz	16QAM	-58	mHz
MIDDLE	LTE 20 MHz	64QAM	-102	mHz
MIDDLE	LTE 20 MHz	256QAM	1.04	Hz
TOP	LTE 20 MHz	QPSK	-376	mHz
TOP	LTE 20 MHz	16QAM	354	mHz
TOP	LTE 20 MHz	64QAM	-1.436	Hz
TOP	LTE 20 MHz	256QAM	-1.537	Hz

Temperature = 10°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-928	mHz
BOTTOM	LTE 5 MHz	16QAM	-1.096	Hz
BOTTOM	LTE 5 MHz	64QAM	-796	mHz
BOTTOM	LTE 5 MHz	256QAM	-168	mHz
MIDDLE	LTE 5 MHz	QPSK	166	mHz
MIDDLE	LTE 5 MHz	16QAM	34	mHz
MIDDLE	LTE 5 MHz	64QAM	115	mHz
MIDDLE	LTE 5 MHz	256QAM	1.209	Hz
TOP	LTE 5 MHz	QPSK	910	mHz
TOP	LTE 5 MHz	16QAM	287	mHz
TOP	LTE 5 MHz	64QAM	1.33	Hz
TOP	LTE 5 MHz	256QAM	250	mHz
BOTTOM	LTE 10 MHz	QPSK	189	mHz
BOTTOM	LTE 10 MHz	16QAM	313	mHz
BOTTOM	LTE 10 MHz	64QAM	1.207	Hz
BOTTOM	LTE 10 MHz	256QAM	-1.19	Hz
MIDDLE	LTE 10 MHz	QPSK	759	mHz
MIDDLE	LTE 10 MHz	16QAM	-137	mHz
MIDDLE	LTE 10 MHz	64QAM	323	mHz
MIDDLE	LTE 10 MHz	256QAM	-161	mHz
TOP	LTE 10 MHz	QPSK	361	mHz
TOP	LTE 10 MHz	16QAM	-133	mHz
TOP	LTE 10 MHz	64QAM	-807	mHz
TOP	LTE 10 MHz	256QAM	-510	mHz
BOTTOM	LTE 15 MHz	QPSK	52	mHz
BOTTOM	LTE 15 MHz	16QAM	-908	mHz
BOTTOM	LTE 15 MHz	64QAM	-723	mHz
BOTTOM	LTE 15 MHz	256QAM	-1.317	Hz
MIDDLE	LTE 15 MHz	QPSK	286	mHz
MIDDLE	LTE 15 MHz	16QAM	421	mHz
MIDDLE	LTE 15 MHz	64QAM	34	mHz
MIDDLE	LTE 15 MHz	256QAM	-1.387	Hz
TOP	LTE 15 MHz	QPSK	36	mHz
TOP	LTE 15 MHz	16QAM	452	mHz
TOP	LTE 15 MHz	64QAM	1.204	Hz
TOP	LTE 15 MHz	256QAM	1.624	Hz
BOTTOM	LTE 20 MHz	QPSK	763	mHz
BOTTOM	LTE 20 MHz	16QAM	1.006	Hz
BOTTOM	LTE 20 MHz	64QAM	609	mHz
BOTTOM	LTE 20 MHz	256QAM	-58	mHz
MIDDLE	LTE 20 MHz	QPSK	-877	mHz
MIDDLE	LTE 20 MHz	16QAM	-420	mHz
MIDDLE	LTE 20 MHz	64QAM	428	mHz
MIDDLE	LTE 20 MHz	256QAM	1.321	Hz
TOP	LTE 20 MHz	QPSK	1.549	Hz
TOP	LTE 20 MHz	16QAM	1.643	Hz
TOP	LTE 20 MHz	64QAM	1.498	Hz
TOP	LTE 20 MHz	256QAM	393	mHz

Temperature = 20°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	424.72	mHz
BOTTOM	LTE 5 MHz	16QAM	-1.75	Hz
BOTTOM	LTE 5 MHz	64QAM	-968.30	mHz
BOTTOM	LTE 5 MHz	256QAM	-523.34	mHz
MIDDLE	LTE 5 MHz	QPSK	-1.499	Hz
MIDDLE	LTE 5 MHz	16QAM	1.004	Hz
MIDDLE	LTE 5 MHz	64QAM	-1.48	Hz
MIDDLE	LTE 5 MHz	256QAM	-12.584	mHz
TOP	LTE 5 MHz	QPSK	683.7	mHz
TOP	LTE 5 MHz	16QAM	1.55	Hz
TOP	LTE 5 MHz	64QAM	849.22	mHz
TOP	LTE 5 MHz	256QAM	-365.98	mHz
BOTTOM	LTE 10 MHz	QPSK	1.18	Hz
BOTTOM	LTE 10 MHz	16QAM	616	mHz
BOTTOM	LTE 10 MHz	64QAM	1.36	Hz
BOTTOM	LTE 10 MHz	256QAM	-2.42	Hz
MIDDLE	LTE 10 MHz	QPSK	93.6	mHz
MIDDLE	LTE 10 MHz	16QAM	1.70	Hz
MIDDLE	LTE 10 MHz	64QAM	-1.63	Hz
MIDDLE	LTE 10 MHz	256QAM	-1.61	Hz
TOP	LTE 10 MHz	QPSK	1.48	Hz
TOP	LTE 10 MHz	16QAM	-840.8	mHz
TOP	LTE 10 MHz	64QAM	-1.24	Hz
TOP	LTE 10 MHz	256QAM	-1.31	Hz
BOTTOM	LTE 15 MHz	QPSK	728.8	mHz
BOTTOM	LTE 15 MHz	16QAM	-45.919	mHz
BOTTOM	LTE 15 MHz	64QAM	-877.23	mHz
BOTTOM	LTE 15 MHz	256QAM	-384.02	mHz
MIDDLE	LTE 15 MHz	QPSK	421.17	mHz
MIDDLE	LTE 15 MHz	16QAM	-623.70	mHz
MIDDLE	LTE 15 MHz	64QAM	-1.3106	Hz
MIDDLE	LTE 15 MHz	256QAM	-178.30	mHz
TOP	LTE 15 MHz	QPSK	-1.28	Hz
TOP	LTE 15 MHz	16QAM	-632.75	mHz
TOP	LTE 15 MHz	64QAM	-444.59	mHz
TOP	LTE 15 MHz	256QAM	-595.60	mHz
BOTTOM	LTE 20 MHz	QPSK	122.04	mHz
BOTTOM	LTE 20 MHz	16QAM	1.58	Hz
BOTTOM	LTE 20 MHz	64QAM	1.71	Hz
BOTTOM	LTE 20 MHz	256QAM	-187.04	mHz
MIDDLE	LTE 20 MHz	QPSK	1.62	Hz
MIDDLE	LTE 20 MHz	16QAM	1.34	Hz
MIDDLE	LTE 20 MHz	64QAM	366.2	mHz
MIDDLE	LTE 20 MHz	256QAM	749.3	mHz
TOP	LTE 20 MHz	QPSK	953.20	mHz
TOP	LTE 20 MHz	16QAM	1.31	Hz
TOP	LTE 20 MHz	64QAM	84.1	mHz
TOP	LTE 20 MHz	256QAM	1.63	Hz

Temperature = 30°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-420	mHz
BOTTOM	LTE 5 MHz	16QAM	93	mHz
BOTTOM	LTE 5 MHz	64QAM	-437	mHz
BOTTOM	LTE 5 MHz	256QAM	1.577	Hz
MIDDLE	LTE 5 MHz	QPSK	1.526	Hz
MIDDLE	LTE 5 MHz	16QAM	-499	mHz
MIDDLE	LTE 5 MHz	64QAM	289	mHz
MIDDLE	LTE 5 MHz	256QAM	-1.318	Hz
TOP	LTE 5 MHz	QPSK	1.067	Hz
TOP	LTE 5 MHz	16QAM	-1.464	Hz
TOP	LTE 5 MHz	64QAM	1.349	Hz
TOP	LTE 5 MHz	256QAM	891	mHz
BOTTOM	LTE 10 MHz	QPSK	220	mHz
BOTTOM	LTE 10 MHz	16QAM	214	mHz
BOTTOM	LTE 10 MHz	64QAM	-980	mHz
BOTTOM	LTE 10 MHz	256QAM	1.539	Hz
MIDDLE	LTE 10 MHz	QPSK	-1.384	Hz
MIDDLE	LTE 10 MHz	16QAM	209	mHz
MIDDLE	LTE 10 MHz	64QAM	1.468	Hz
MIDDLE	LTE 10 MHz	256QAM	-507	mHz
TOP	LTE 10 MHz	QPSK	-689	mHz
TOP	LTE 10 MHz	16QAM	978	mHz
TOP	LTE 10 MHz	64QAM	459	mHz
TOP	LTE 10 MHz	256QAM	1.523	Hz
BOTTOM	LTE 15 MHz	QPSK	-75	mHz
BOTTOM	LTE 15 MHz	16QAM	-193	mHz
BOTTOM	LTE 15 MHz	64QAM	1.51	Hz
BOTTOM	LTE 15 MHz	256QAM	-471	mHz
MIDDLE	LTE 15 MHz	QPSK	1.621	Hz
MIDDLE	LTE 15 MHz	16QAM	168	mHz
MIDDLE	LTE 15 MHz	64QAM	-1.616	Hz
MIDDLE	LTE 15 MHz	256QAM	-1.414	Hz
TOP	LTE 15 MHz	QPSK	-53	mHz
TOP	LTE 15 MHz	16QAM	-1.655	Hz
TOP	LTE 15 MHz	64QAM	1.224	Hz
TOP	LTE 15 MHz	256QAM	-249	mHz
BOTTOM	LTE 20 MHz	QPSK	757	mHz
BOTTOM	LTE 20 MHz	16QAM	545	mHz
BOTTOM	LTE 20 MHz	64QAM	-476	mHz
BOTTOM	LTE 20 MHz	256QAM	-1.165	Hz
MIDDLE	LTE 20 MHz	QPSK	95	mHz
MIDDLE	LTE 20 MHz	16QAM	1.336	Hz
MIDDLE	LTE 20 MHz	64QAM	-1.295	Hz
MIDDLE	LTE 20 MHz	256QAM	1.21	Hz
TOP	LTE 20 MHz	QPSK	-423	mHz
TOP	LTE 20 MHz	16QAM	1.131	Hz
TOP	LTE 20 MHz	64QAM	884	mHz
TOP	LTE 20 MHz	256QAM	-1.517	Hz

Temperature = 40°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-99	mHz
BOTTOM	LTE 5 MHz	16QAM	-636	mHz
BOTTOM	LTE 5 MHz	64QAM	-858	mHz
BOTTOM	LTE 5 MHz	256QAM	-785	mHz
MIDDLE	LTE 5 MHz	QPSK	1.251	Hz
MIDDLE	LTE 5 MHz	16QAM	1.227	Hz
MIDDLE	LTE 5 MHz	64QAM	-659	mHz
MIDDLE	LTE 5 MHz	256QAM	-227	mHz
TOP	LTE 5 MHz	QPSK	685	mHz
TOP	LTE 5 MHz	16QAM	1.394	Hz
TOP	LTE 5 MHz	64QAM	-1.473	Hz
TOP	LTE 5 MHz	256QAM	-668	mHz
BOTTOM	LTE 10 MHz	QPSK	-460	mHz
BOTTOM	LTE 10 MHz	16QAM	-951	mHz
BOTTOM	LTE 10 MHz	64QAM	188	mHz
BOTTOM	LTE 10 MHz	256QAM	-1.438	Hz
MIDDLE	LTE 10 MHz	QPSK	-510	mHz
MIDDLE	LTE 10 MHz	16QAM	-1.16	Hz
MIDDLE	LTE 10 MHz	64QAM	-762	mHz
MIDDLE	LTE 10 MHz	256QAM	-959	mHz
TOP	LTE 10 MHz	QPSK	1.585	Hz
TOP	LTE 10 MHz	16QAM	773	mHz
TOP	LTE 10 MHz	64QAM	239	mHz
TOP	LTE 10 MHz	256QAM	-430	mHz
BOTTOM	LTE 15 MHz	QPSK	-1.603	Hz
BOTTOM	LTE 15 MHz	16QAM	423	mHz
BOTTOM	LTE 15 MHz	64QAM	-1.559	Hz
BOTTOM	LTE 15 MHz	256QAM	135	mHz
MIDDLE	LTE 15 MHz	QPSK	41	mHz
MIDDLE	LTE 15 MHz	16QAM	-299	mHz
MIDDLE	LTE 15 MHz	64QAM	1.552	Hz
MIDDLE	LTE 15 MHz	256QAM	-1.366	Hz
TOP	LTE 15 MHz	QPSK	-1.182	Hz
TOP	LTE 15 MHz	16QAM	556	mHz
TOP	LTE 15 MHz	64QAM	-1.115	Hz
TOP	LTE 15 MHz	256QAM	-723	mHz
BOTTOM	LTE 20 MHz	QPSK	126	mHz
BOTTOM	LTE 20 MHz	16QAM	1.379	Hz
BOTTOM	LTE 20 MHz	64QAM	828	mHz
BOTTOM	LTE 20 MHz	256QAM	745	mHz
MIDDLE	LTE 20 MHz	QPSK	46	mHz
MIDDLE	LTE 20 MHz	16QAM	-1.524	Hz
MIDDLE	LTE 20 MHz	64QAM	487	mHz
MIDDLE	LTE 20 MHz	256QAM	1.217	Hz
TOP	LTE 20 MHz	QPSK	892	mHz
TOP	LTE 20 MHz	16QAM	-579	mHz
TOP	LTE 20 MHz	64QAM	250	mHz
TOP	LTE 20 MHz	256QAM	-49	mHz

Temperature = 50°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	1.294	Hz
BOTTOM	LTE 5 MHz	16QAM	-559	mHz
BOTTOM	LTE 5 MHz	64QAM	-71	mHz
BOTTOM	LTE 5 MHz	256QAM	-752	mHz
MIDDLE	LTE 5 MHz	QPSK	994	mHz
MIDDLE	LTE 5 MHz	16QAM	-1.156	Hz
MIDDLE	LTE 5 MHz	64QAM	1.068	Hz
MIDDLE	LTE 5 MHz	256QAM	-600	mHz
TOP	LTE 5 MHz	QPSK	1.053	Hz
TOP	LTE 5 MHz	16QAM	-1.541	Hz
TOP	LTE 5 MHz	64QAM	-55	mHz
TOP	LTE 5 MHz	256QAM	-1.091	Hz
BOTTOM	LTE 10 MHz	QPSK	1.172	Hz
BOTTOM	LTE 10 MHz	16QAM	-1.184	Hz
BOTTOM	LTE 10 MHz	64QAM	1.086	Hz
BOTTOM	LTE 10 MHz	256QAM	-1.6	Hz
MIDDLE	LTE 10 MHz	QPSK	-1.433	Hz
MIDDLE	LTE 10 MHz	16QAM	319	mHz
MIDDLE	LTE 10 MHz	64QAM	606	mHz
MIDDLE	LTE 10 MHz	256QAM	-709	mHz
TOP	LTE 10 MHz	QPSK	-390	mHz
TOP	LTE 10 MHz	16QAM	-388	mHz
TOP	LTE 10 MHz	64QAM	873	mHz
TOP	LTE 10 MHz	256QAM	994	mHz
BOTTOM	LTE 15 MHz	QPSK	1.041	Hz
BOTTOM	LTE 15 MHz	16QAM	733	mHz
BOTTOM	LTE 15 MHz	64QAM	1.238	Hz
BOTTOM	LTE 15 MHz	256QAM	-910	mHz
MIDDLE	LTE 15 MHz	QPSK	1.242	Hz
MIDDLE	LTE 15 MHz	16QAM	1.172	Hz
MIDDLE	LTE 15 MHz	64QAM	-426	mHz
MIDDLE	LTE 15 MHz	256QAM	-1.309	Hz
TOP	LTE 15 MHz	QPSK	-1.265	Hz
TOP	LTE 15 MHz	16QAM	-1.014	Hz
TOP	LTE 15 MHz	64QAM	1.459	Hz
TOP	LTE 15 MHz	256QAM	-733	mHz
BOTTOM	LTE 20 MHz	QPSK	-1.422	Hz
BOTTOM	LTE 20 MHz	16QAM	661	mHz
BOTTOM	LTE 20 MHz	64QAM	628	mHz
BOTTOM	LTE 20 MHz	256QAM	-422	mHz
MIDDLE	LTE 20 MHz	QPSK	1.508	Hz
MIDDLE	LTE 20 MHz	16QAM	-330	mHz
MIDDLE	LTE 20 MHz	64QAM	-796	mHz
MIDDLE	LTE 20 MHz	256QAM	-935	mHz
TOP	LTE 20 MHz	QPSK	1.272	Hz
TOP	LTE 20 MHz	16QAM	-905	mHz
TOP	LTE 20 MHz	64QAM	-1.07	Hz
TOP	LTE 20 MHz	256QAM	1.178	Hz

RF PORT 2

Temperature = -30°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-1.468	Hz
BOTTOM	LTE 5 MHz	16QAM	-1.576	Hz
BOTTOM	LTE 5 MHz	64QAM	-636	mHz
BOTTOM	LTE 5 MHz	256QAM	1.17	Hz
MIDDLE	LTE 5 MHz	QPSK	1.361	Hz
MIDDLE	LTE 5 MHz	16QAM	1.158	Hz
MIDDLE	LTE 5 MHz	64QAM	1.691	Hz
MIDDLE	LTE 5 MHz	256QAM	-11	mHz
TOP	LTE 5 MHz	QPSK	1.033	Hz
TOP	LTE 5 MHz	16QAM	-939	mHz
TOP	LTE 5 MHz	64QAM	-354	mHz
TOP	LTE 5 MHz	256QAM	-905	mHz
BOTTOM	LTE 10 MHz	QPSK	-1.273	Hz
BOTTOM	LTE 10 MHz	16QAM	-1.068	Hz
BOTTOM	LTE 10 MHz	64QAM	-1.393	Hz
BOTTOM	LTE 10 MHz	256QAM	1.687	Hz
MIDDLE	LTE 10 MHz	QPSK	-1.152	Hz
MIDDLE	LTE 10 MHz	16QAM	584	mHz
MIDDLE	LTE 10 MHz	64QAM	987	mHz
MIDDLE	LTE 10 MHz	256QAM	824	mHz
TOP	LTE 10 MHz	QPSK	-1.597	Hz
TOP	LTE 10 MHz	16QAM	226	mHz
TOP	LTE 10 MHz	64QAM	140	mHz
TOP	LTE 10 MHz	256QAM	-727	mHz
BOTTOM	LTE 15 MHz	QPSK	-532	mHz
BOTTOM	LTE 15 MHz	16QAM	1.535	Hz
BOTTOM	LTE 15 MHz	64QAM	755	mHz
BOTTOM	LTE 15 MHz	256QAM	-850	mHz
MIDDLE	LTE 15 MHz	QPSK	526	mHz
MIDDLE	LTE 15 MHz	16QAM	550	mHz
MIDDLE	LTE 15 MHz	64QAM	-582	mHz
MIDDLE	LTE 15 MHz	256QAM	-1.43	Hz
TOP	LTE 15 MHz	QPSK	-1.521	Hz
TOP	LTE 15 MHz	16QAM	-522	mHz
TOP	LTE 15 MHz	64QAM	628	mHz
TOP	LTE 15 MHz	256QAM	985	mHz
BOTTOM	LTE 20 MHz	QPSK	902	mHz
BOTTOM	LTE 20 MHz	16QAM	1.311	Hz
BOTTOM	LTE 20 MHz	64QAM	-1.188	Hz
BOTTOM	LTE 20 MHz	256QAM	-1.442	Hz
MIDDLE	LTE 20 MHz	QPSK	-825	mHz
MIDDLE	LTE 20 MHz	16QAM	959	mHz
MIDDLE	LTE 20 MHz	64QAM	-280	mHz
MIDDLE	LTE 20 MHz	256QAM	-1.269	Hz
TOP	LTE 20 MHz	QPSK	501	mHz
TOP	LTE 20 MHz	16QAM	-1.475	Hz
TOP	LTE 20 MHz	64QAM	607	mHz
TOP	LTE 20 MHz	256QAM	-714	mHz

Temperature = -20°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	1.479	Hz
BOTTOM	LTE 5 MHz	16QAM	658	mHz
BOTTOM	LTE 5 MHz	64QAM	468	mHz
BOTTOM	LTE 5 MHz	256QAM	1.647	Hz
MIDDLE	LTE 5 MHz	QPSK	-1.439	Hz
MIDDLE	LTE 5 MHz	16QAM	-1.165	Hz
MIDDLE	LTE 5 MHz	64QAM	424	mHz
MIDDLE	LTE 5 MHz	256QAM	1.224	Hz
TOP	LTE 5 MHz	QPSK	-1.032	Hz
TOP	LTE 5 MHz	16QAM	-104	mHz
TOP	LTE 5 MHz	64QAM	-1.231	Hz
TOP	LTE 5 MHz	256QAM	1.679	Hz
BOTTOM	LTE 10 MHz	QPSK	279	mHz
BOTTOM	LTE 10 MHz	16QAM	1.665	Hz
BOTTOM	LTE 10 MHz	64QAM	305	mHz
BOTTOM	LTE 10 MHz	256QAM	1.439	Hz
MIDDLE	LTE 10 MHz	QPSK	-917	mHz
MIDDLE	LTE 10 MHz	16QAM	1.529	Hz
MIDDLE	LTE 10 MHz	64QAM	339	mHz
MIDDLE	LTE 10 MHz	256QAM	-1.669	Hz
TOP	LTE 10 MHz	QPSK	-1.267	Hz
TOP	LTE 10 MHz	16QAM	-1.574	Hz
TOP	LTE 10 MHz	64QAM	1.203	Hz
TOP	LTE 10 MHz	256QAM	521	mHz
BOTTOM	LTE 15 MHz	QPSK	-1.35	Hz
BOTTOM	LTE 15 MHz	16QAM	1.667	Hz
BOTTOM	LTE 15 MHz	64QAM	-591	mHz
BOTTOM	LTE 15 MHz	256QAM	-1.541	Hz
MIDDLE	LTE 15 MHz	QPSK	1.119	Hz
MIDDLE	LTE 15 MHz	16QAM	1.02	Hz
MIDDLE	LTE 15 MHz	64QAM	-927	mHz
MIDDLE	LTE 15 MHz	256QAM	-1.651	Hz
TOP	LTE 15 MHz	QPSK	-1.245	Hz
TOP	LTE 15 MHz	16QAM	6	mHz
TOP	LTE 15 MHz	64QAM	-877	mHz
TOP	LTE 15 MHz	256QAM	-1.485	Hz
BOTTOM	LTE 20 MHz	QPSK	387	mHz
BOTTOM	LTE 20 MHz	16QAM	513	mHz
BOTTOM	LTE 20 MHz	64QAM	-1.307	Hz
BOTTOM	LTE 20 MHz	256QAM	1.483	Hz
MIDDLE	LTE 20 MHz	QPSK	649	mHz
MIDDLE	LTE 20 MHz	16QAM	-512	mHz
MIDDLE	LTE 20 MHz	64QAM	-1.151	Hz
MIDDLE	LTE 20 MHz	256QAM	1.594	Hz
TOP	LTE 20 MHz	QPSK	-1.506	Hz
TOP	LTE 20 MHz	16QAM	-728	mHz
TOP	LTE 20 MHz	64QAM	-294	mHz
TOP	LTE 20 MHz	256QAM	1.144	Hz

Temperature = -10°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	858	mHz
BOTTOM	LTE 5 MHz	16QAM	744	mHz
BOTTOM	LTE 5 MHz	64QAM	-1.138	Hz
BOTTOM	LTE 5 MHz	256QAM	295	mHz
MIDDLE	LTE 5 MHz	QPSK	-501	mHz
MIDDLE	LTE 5 MHz	16QAM	-256	mHz
MIDDLE	LTE 5 MHz	64QAM	1.109	Hz
MIDDLE	LTE 5 MHz	256QAM	645	mHz
TOP	LTE 5 MHz	QPSK	-978	mHz
TOP	LTE 5 MHz	16QAM	-359	mHz
TOP	LTE 5 MHz	64QAM	-1.053	Hz
TOP	LTE 5 MHz	256QAM	-631	mHz
BOTTOM	LTE 10 MHz	QPSK	455	mHz
BOTTOM	LTE 10 MHz	16QAM	-1.292	Hz
BOTTOM	LTE 10 MHz	64QAM	-1.385	Hz
BOTTOM	LTE 10 MHz	256QAM	-888	mHz
MIDDLE	LTE 10 MHz	QPSK	220	mHz
MIDDLE	LTE 10 MHz	16QAM	-167	mHz
MIDDLE	LTE 10 MHz	64QAM	1.22	Hz
MIDDLE	LTE 10 MHz	256QAM	-28	mHz
TOP	LTE 10 MHz	QPSK	916	mHz
TOP	LTE 10 MHz	16QAM	-915	mHz
TOP	LTE 10 MHz	64QAM	-1.259	Hz
TOP	LTE 10 MHz	256QAM	-568	mHz
BOTTOM	LTE 15 MHz	QPSK	-879	mHz
BOTTOM	LTE 15 MHz	16QAM	-735	mHz
BOTTOM	LTE 15 MHz	64QAM	-32	mHz
BOTTOM	LTE 15 MHz	256QAM	1.209	Hz
MIDDLE	LTE 15 MHz	QPSK	221	mHz
MIDDLE	LTE 15 MHz	16QAM	645	mHz
MIDDLE	LTE 15 MHz	64QAM	1.076	Hz
MIDDLE	LTE 15 MHz	256QAM	-1.417	Hz
TOP	LTE 15 MHz	QPSK	-658	mHz
TOP	LTE 15 MHz	16QAM	-506	mHz
TOP	LTE 15 MHz	64QAM	-51	mHz
TOP	LTE 15 MHz	256QAM	-37	mHz
BOTTOM	LTE 20 MHz	QPSK	186	mHz
BOTTOM	LTE 20 MHz	16QAM	-1.248	Hz
BOTTOM	LTE 20 MHz	64QAM	-151	mHz
BOTTOM	LTE 20 MHz	256QAM	-989	mHz
MIDDLE	LTE 20 MHz	QPSK	-1.354	Hz
MIDDLE	LTE 20 MHz	16QAM	1.058	Hz
MIDDLE	LTE 20 MHz	64QAM	-654	mHz
MIDDLE	LTE 20 MHz	256QAM	-619	mHz
TOP	LTE 20 MHz	QPSK	-932	mHz
TOP	LTE 20 MHz	16QAM	-363	mHz
TOP	LTE 20 MHz	64QAM	336	mHz
TOP	LTE 20 MHz	256QAM	-65	mHz

Temperature = 0°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	973	mHz
BOTTOM	LTE 5 MHz	16QAM	-1.129	Hz
BOTTOM	LTE 5 MHz	64QAM	437	mHz
BOTTOM	LTE 5 MHz	256QAM	1.326	Hz
MIDDLE	LTE 5 MHz	QPSK	923	mHz
MIDDLE	LTE 5 MHz	16QAM	-446	mHz
MIDDLE	LTE 5 MHz	64QAM	1.117	Hz
MIDDLE	LTE 5 MHz	256QAM	-89	mHz
TOP	LTE 5 MHz	QPSK	-402	mHz
TOP	LTE 5 MHz	16QAM	74	mHz
TOP	LTE 5 MHz	64QAM	1.288	Hz
TOP	LTE 5 MHz	256QAM	180	mHz
BOTTOM	LTE 10 MHz	QPSK	59	mHz
BOTTOM	LTE 10 MHz	16QAM	-1.208	Hz
BOTTOM	LTE 10 MHz	64QAM	788	mHz
BOTTOM	LTE 10 MHz	256QAM	-907	mHz
MIDDLE	LTE 10 MHz	QPSK	227	mHz
MIDDLE	LTE 10 MHz	16QAM	-26	mHz
MIDDLE	LTE 10 MHz	64QAM	1.232	Hz
MIDDLE	LTE 10 MHz	256QAM	275	mHz
TOP	LTE 10 MHz	QPSK	149	mHz
TOP	LTE 10 MHz	16QAM	1.276	Hz
TOP	LTE 10 MHz	64QAM	-155	mHz
TOP	LTE 10 MHz	256QAM	559	mHz
BOTTOM	LTE 15 MHz	QPSK	-1.341	Hz
BOTTOM	LTE 15 MHz	16QAM	1.137	Hz
BOTTOM	LTE 15 MHz	64QAM	1.592	Hz
BOTTOM	LTE 15 MHz	256QAM	499	mHz
MIDDLE	LTE 15 MHz	QPSK	1.598	Hz
MIDDLE	LTE 15 MHz	16QAM	-911	mHz
MIDDLE	LTE 15 MHz	64QAM	781	mHz
MIDDLE	LTE 15 MHz	256QAM	1.506	Hz
TOP	LTE 15 MHz	QPSK	-303	mHz
TOP	LTE 15 MHz	16QAM	1.07	Hz
TOP	LTE 15 MHz	64QAM	7	mHz
TOP	LTE 15 MHz	256QAM	1.075	Hz
BOTTOM	LTE 20 MHz	QPSK	253	mHz
BOTTOM	LTE 20 MHz	16QAM	1.121	Hz
BOTTOM	LTE 20 MHz	64QAM	1.275	Hz
BOTTOM	LTE 20 MHz	256QAM	1.161	Hz
MIDDLE	LTE 20 MHz	QPSK	-606	mHz
MIDDLE	LTE 20 MHz	16QAM	-1.017	Hz
MIDDLE	LTE 20 MHz	64QAM	-931	mHz
MIDDLE	LTE 20 MHz	256QAM	1.311	Hz
TOP	LTE 20 MHz	QPSK	-1.076	Hz
TOP	LTE 20 MHz	16QAM	1.463	Hz
TOP	LTE 20 MHz	64QAM	265	mHz
TOP	LTE 20 MHz	256QAM	894	mHz

Temperature = 10°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-913	mHz
BOTTOM	LTE 5 MHz	16QAM	-526	mHz
BOTTOM	LTE 5 MHz	64QAM	78	mHz
BOTTOM	LTE 5 MHz	256QAM	-853	mHz
MIDDLE	LTE 5 MHz	QPSK	1.093	Hz
MIDDLE	LTE 5 MHz	16QAM	883	mHz
MIDDLE	LTE 5 MHz	64QAM	1.325	Hz
MIDDLE	LTE 5 MHz	256QAM	1.034	Hz
TOP	LTE 5 MHz	QPSK	163	mHz
TOP	LTE 5 MHz	16QAM	346	mHz
TOP	LTE 5 MHz	64QAM	1.059	Hz
TOP	LTE 5 MHz	256QAM	-605	mHz
BOTTOM	LTE 10 MHz	QPSK	382	mHz
BOTTOM	LTE 10 MHz	16QAM	-152	mHz
BOTTOM	LTE 10 MHz	64QAM	-241	mHz
BOTTOM	LTE 10 MHz	256QAM	1.605	Hz
MIDDLE	LTE 10 MHz	QPSK	-545	mHz
MIDDLE	LTE 10 MHz	16QAM	-356	mHz
MIDDLE	LTE 10 MHz	64QAM	-700	mHz
MIDDLE	LTE 10 MHz	256QAM	-45	mHz
TOP	LTE 10 MHz	QPSK	1.596	Hz
TOP	LTE 10 MHz	16QAM	1.269	Hz
TOP	LTE 10 MHz	64QAM	801	mHz
TOP	LTE 10 MHz	256QAM	-988	mHz
BOTTOM	LTE 15 MHz	QPSK	-1.347	Hz
BOTTOM	LTE 15 MHz	16QAM	631	mHz
BOTTOM	LTE 15 MHz	64QAM	229	mHz
BOTTOM	LTE 15 MHz	256QAM	-1.246	Hz
MIDDLE	LTE 15 MHz	QPSK	-914	mHz
MIDDLE	LTE 15 MHz	16QAM	1.515	Hz
MIDDLE	LTE 15 MHz	64QAM	263	mHz
MIDDLE	LTE 15 MHz	256QAM	608	mHz
TOP	LTE 15 MHz	QPSK	838	mHz
TOP	LTE 15 MHz	16QAM	-774	mHz
TOP	LTE 15 MHz	64QAM	1.661	Hz
TOP	LTE 15 MHz	256QAM	-343	mHz
BOTTOM	LTE 20 MHz	QPSK	1.024	Hz
BOTTOM	LTE 20 MHz	16QAM	-594	mHz
BOTTOM	LTE 20 MHz	64QAM	783	mHz
BOTTOM	LTE 20 MHz	256QAM	1.359	Hz
MIDDLE	LTE 20 MHz	QPSK	-342	mHz
MIDDLE	LTE 20 MHz	16QAM	1.426	Hz
MIDDLE	LTE 20 MHz	64QAM	1.213	Hz
MIDDLE	LTE 20 MHz	256QAM	381	mHz
TOP	LTE 20 MHz	QPSK	-17	mHz
TOP	LTE 20 MHz	16QAM	-433	mHz
TOP	LTE 20 MHz	64QAM	240	mHz
TOP	LTE 20 MHz	256QAM	999	mHz

Temperature = 20°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	479.26	mHz
BOTTOM	LTE 5 MHz	16QAM	1.17	Hz
BOTTOM	LTE 5 MHz	64QAM	-424.63	mHz
BOTTOM	LTE 5 MHz	256QAM	722.08	mHz
MIDDLE	LTE 5 MHz	QPSK	450.46	mHz
MIDDLE	LTE 5 MHz	16QAM	367.25	mHz
MIDDLE	LTE 5 MHz	64QAM	-798.47	mHz
MIDDLE	LTE 5 MHz	256QAM	-157.49	mHz
TOP	LTE 5 MHz	QPSK	-482.75	mHz
TOP	LTE 5 MHz	16QAM	930.34	mHz
TOP	LTE 5 MHz	64QAM	-441.49	mHz
TOP	LTE 5 MHz	256QAM	-395.55	mHz
BOTTOM	LTE 10 MHz	QPSK	1.69	Hz
BOTTOM	LTE 10 MHz	16QAM	874.36	mHz
BOTTOM	LTE 10 MHz	64QAM	1.16	Hz
BOTTOM	LTE 10 MHz	256QAM	1.12	Hz
MIDDLE	LTE 10 MHz	QPSK	1.54	Hz
MIDDLE	LTE 10 MHz	16QAM	1.01	Hz
MIDDLE	LTE 10 MHz	64QAM	-831.05	mHz
MIDDLE	LTE 10 MHz	256QAM	-649.02	mHz
TOP	LTE 10 MHz	QPSK	216.7	mHz
TOP	LTE 10 MHz	16QAM	-950.36	mHz
TOP	LTE 10 MHz	64QAM	668.2	mHz
TOP	LTE 10 MHz	256QAM	-1.74	Hz
BOTTOM	LTE 15 MHz	QPSK	1.13	Hz
BOTTOM	LTE 15 MHz	16QAM	64.64	mHz
BOTTOM	LTE 15 MHz	64QAM	782.1	mHz
BOTTOM	LTE 15 MHz	256QAM	-162.09	mHz
MIDDLE	LTE 15 MHz	QPSK	1.52	Hz
MIDDLE	LTE 15 MHz	16QAM	648.32	mHz
MIDDLE	LTE 15 MHz	64QAM	317.72	mHz
MIDDLE	LTE 15 MHz	256QAM	490.78	mHz
TOP	LTE 15 MHz	QPSK	233.61	mHz
TOP	LTE 15 MHz	16QAM	263.69	mHz
TOP	LTE 15 MHz	64QAM	-304.74	mHz
TOP	LTE 15 MHz	256QAM	31.320	mHz
BOTTOM	LTE 20 MHz	QPSK	20.404	mHz
BOTTOM	LTE 20 MHz	16QAM	462.95	mHz
BOTTOM	LTE 20 MHz	64QAM	-740.13	mHz
BOTTOM	LTE 20 MHz	256QAM	-210.03	mHz
MIDDLE	LTE 20 MHz	QPSK	704.44	mHz
MIDDLE	LTE 20 MHz	16QAM	637	mHz
MIDDLE	LTE 20 MHz	64QAM	1.25	Hz
MIDDLE	LTE 20 MHz	256QAM	-338.60	mHz
TOP	LTE 20 MHz	QPSK	759.6	mHz
TOP	LTE 20 MHz	16QAM	-1.05	Hz
TOP	LTE 20 MHz	64QAM	-665.15	mHz
TOP	LTE 20 MHz	256QAM	-208.73	mHz

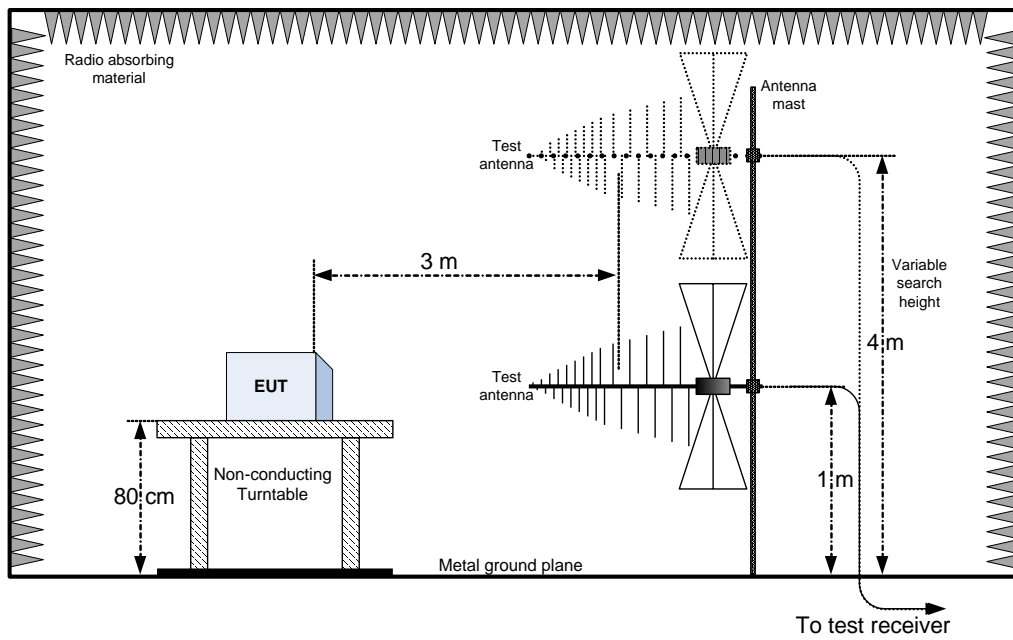
Temperature = 30°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	612	mHz
BOTTOM	LTE 5 MHz	16QAM	1.119	Hz
BOTTOM	LTE 5 MHz	64QAM	1.413	Hz
BOTTOM	LTE 5 MHz	256QAM	511	mHz
MIDDLE	LTE 5 MHz	QPSK	135	mHz
MIDDLE	LTE 5 MHz	16QAM	-1.337	Hz
MIDDLE	LTE 5 MHz	64QAM	1.483	Hz
MIDDLE	LTE 5 MHz	256QAM	-39	mHz
TOP	LTE 5 MHz	QPSK	276	mHz
TOP	LTE 5 MHz	16QAM	-36	mHz
TOP	LTE 5 MHz	64QAM	1.495	Hz
TOP	LTE 5 MHz	256QAM	121	mHz
BOTTOM	LTE 10 MHz	QPSK	-83	mHz
BOTTOM	LTE 10 MHz	16QAM	-72	mHz
BOTTOM	LTE 10 MHz	64QAM	1.114	Hz
BOTTOM	LTE 10 MHz	256QAM	496	mHz
MIDDLE	LTE 10 MHz	QPSK	-1.264	Hz
MIDDLE	LTE 10 MHz	16QAM	401	mHz
MIDDLE	LTE 10 MHz	64QAM	-797	mHz
MIDDLE	LTE 10 MHz	256QAM	572	mHz
TOP	LTE 10 MHz	QPSK	-1.046	Hz
TOP	LTE 10 MHz	16QAM	251	mHz
TOP	LTE 10 MHz	64QAM	1.318	Hz
TOP	LTE 10 MHz	256QAM	1.339	Hz
BOTTOM	LTE 15 MHz	QPSK	-176	mHz
BOTTOM	LTE 15 MHz	16QAM	-253	mHz
BOTTOM	LTE 15 MHz	64QAM	-684	mHz
BOTTOM	LTE 15 MHz	256QAM	431	mHz
MIDDLE	LTE 15 MHz	QPSK	1.089	Hz
MIDDLE	LTE 15 MHz	16QAM	110	mHz
MIDDLE	LTE 15 MHz	64QAM	268	mHz
MIDDLE	LTE 15 MHz	256QAM	835	mHz
TOP	LTE 15 MHz	QPSK	-192	mHz
TOP	LTE 15 MHz	16QAM	1.191	Hz
TOP	LTE 15 MHz	64QAM	-725	mHz
TOP	LTE 15 MHz	256QAM	744	mHz
BOTTOM	LTE 20 MHz	QPSK	249	mHz
BOTTOM	LTE 20 MHz	16QAM	1.157	Hz
BOTTOM	LTE 20 MHz	64QAM	-284	mHz
BOTTOM	LTE 20 MHz	256QAM	367	mHz
MIDDLE	LTE 20 MHz	QPSK	-1.138	Hz
MIDDLE	LTE 20 MHz	16QAM	1.667	Hz
MIDDLE	LTE 20 MHz	64QAM	-417	mHz
MIDDLE	LTE 20 MHz	256QAM	308	mHz
TOP	LTE 20 MHz	QPSK	-373	mHz
TOP	LTE 20 MHz	16QAM	57	mHz
TOP	LTE 20 MHz	64QAM	-184	mHz
TOP	LTE 20 MHz	256QAM	832	mHz

Temperature = 40°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	696	mHz
BOTTOM	LTE 5 MHz	16QAM	745	mHz
BOTTOM	LTE 5 MHz	64QAM	-1.012	Hz
BOTTOM	LTE 5 MHz	256QAM	319	mHz
MIDDLE	LTE 5 MHz	QPSK	548	mHz
MIDDLE	LTE 5 MHz	16QAM	-267	mHz
MIDDLE	LTE 5 MHz	64QAM	-371	mHz
MIDDLE	LTE 5 MHz	256QAM	-1.175	Hz
TOP	LTE 5 MHz	QPSK	-1.224	Hz
TOP	LTE 5 MHz	16QAM	-1.316	Hz
TOP	LTE 5 MHz	64QAM	1.154	Hz
TOP	LTE 5 MHz	256QAM	1.507	Hz
BOTTOM	LTE 10 MHz	QPSK	-869	mHz
BOTTOM	LTE 10 MHz	16QAM	-345	mHz
BOTTOM	LTE 10 MHz	64QAM	1.189	Hz
BOTTOM	LTE 10 MHz	256QAM	1.589	Hz
MIDDLE	LTE 10 MHz	QPSK	159	mHz
MIDDLE	LTE 10 MHz	16QAM	-1.373	Hz
MIDDLE	LTE 10 MHz	64QAM	-904	mHz
MIDDLE	LTE 10 MHz	256QAM	1.554	Hz
TOP	LTE 10 MHz	QPSK	-107	mHz
TOP	LTE 10 MHz	16QAM	-691	mHz
TOP	LTE 10 MHz	64QAM	1.397	Hz
TOP	LTE 10 MHz	256QAM	-655	mHz
BOTTOM	LTE 15 MHz	QPSK	-814	mHz
BOTTOM	LTE 15 MHz	16QAM	1.289	Hz
BOTTOM	LTE 15 MHz	64QAM	-287	mHz
BOTTOM	LTE 15 MHz	256QAM	121	mHz
MIDDLE	LTE 15 MHz	QPSK	96	mHz
MIDDLE	LTE 15 MHz	16QAM	900	mHz
MIDDLE	LTE 15 MHz	64QAM	1.142	Hz
MIDDLE	LTE 15 MHz	256QAM	1.043	Hz
TOP	LTE 15 MHz	QPSK	-13	mHz
TOP	LTE 15 MHz	16QAM	221	mHz
TOP	LTE 15 MHz	64QAM	-633	mHz
TOP	LTE 15 MHz	256QAM	1.664	Hz
BOTTOM	LTE 20 MHz	QPSK	1.08	Hz
BOTTOM	LTE 20 MHz	16QAM	678	mHz
BOTTOM	LTE 20 MHz	64QAM	828	mHz
BOTTOM	LTE 20 MHz	256QAM	307	mHz
MIDDLE	LTE 20 MHz	QPSK	-1.189	Hz
MIDDLE	LTE 20 MHz	16QAM	955	mHz
MIDDLE	LTE 20 MHz	64QAM	295	mHz
MIDDLE	LTE 20 MHz	256QAM	897	mHz
TOP	LTE 20 MHz	QPSK	-767	mHz
TOP	LTE 20 MHz	16QAM	1.572	Hz
TOP	LTE 20 MHz	64QAM	-1.368	Hz
TOP	LTE 20 MHz	256QAM	-1.375	Hz

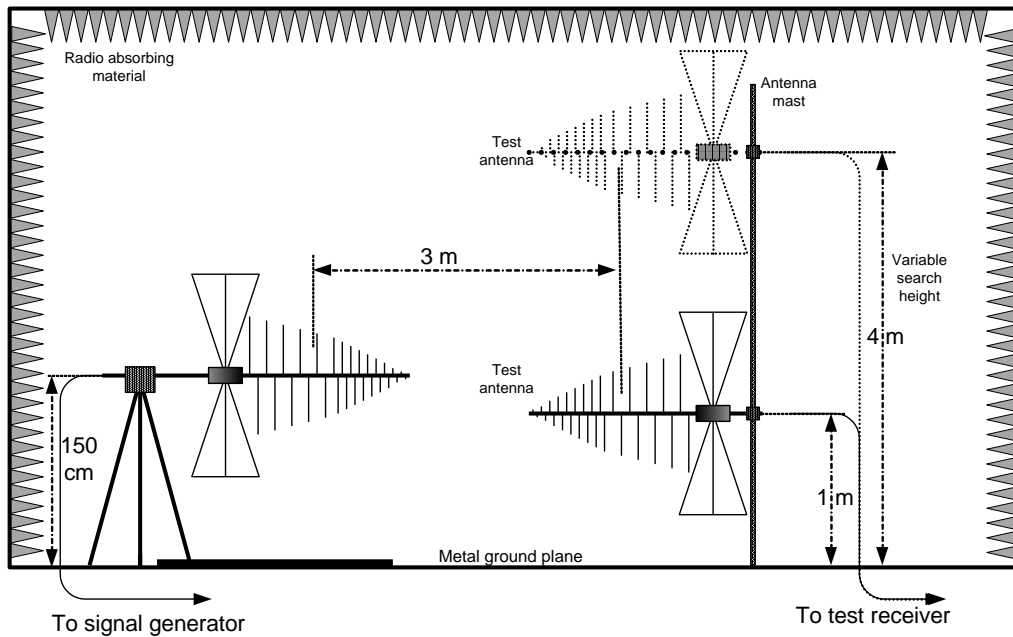
Temperature = 50°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-377	mHz
BOTTOM	LTE 5 MHz	16QAM	1.409	Hz
BOTTOM	LTE 5 MHz	64QAM	445	mHz
BOTTOM	LTE 5 MHz	256QAM	1.459	Hz
MIDDLE	LTE 5 MHz	QPSK	-496	mHz
MIDDLE	LTE 5 MHz	16QAM	566	mHz
MIDDLE	LTE 5 MHz	64QAM	-1.015	Hz
MIDDLE	LTE 5 MHz	256QAM	1.497	Hz
TOP	LTE 5 MHz	QPSK	1.484	Hz
TOP	LTE 5 MHz	16QAM	-1.148	Hz
TOP	LTE 5 MHz	64QAM	-470	mHz
TOP	LTE 5 MHz	256QAM	-894	mHz
BOTTOM	LTE 10 MHz	QPSK	-1.038	Hz
BOTTOM	LTE 10 MHz	16QAM	-475	mHz
BOTTOM	LTE 10 MHz	64QAM	-720	mHz
BOTTOM	LTE 10 MHz	256QAM	1.216	Hz
MIDDLE	LTE 10 MHz	QPSK	1.391	Hz
MIDDLE	LTE 10 MHz	16QAM	26	mHz
MIDDLE	LTE 10 MHz	64QAM	533	mHz
MIDDLE	LTE 10 MHz	256QAM	-569	mHz
TOP	LTE 10 MHz	QPSK	-1.182	Hz
TOP	LTE 10 MHz	16QAM	-1.146	Hz
TOP	LTE 10 MHz	64QAM	-1.024	Hz
TOP	LTE 10 MHz	256QAM	-1.158	Hz
BOTTOM	LTE 15 MHz	QPSK	1.539	Hz
BOTTOM	LTE 15 MHz	16QAM	113	mHz
BOTTOM	LTE 15 MHz	64QAM	607	mHz
BOTTOM	LTE 15 MHz	256QAM	-535	mHz
MIDDLE	LTE 15 MHz	QPSK	905	mHz
MIDDLE	LTE 15 MHz	16QAM	1.068	Hz
MIDDLE	LTE 15 MHz	64QAM	134	mHz
MIDDLE	LTE 15 MHz	256QAM	-1.166	Hz
TOP	LTE 15 MHz	QPSK	-886	mHz
TOP	LTE 15 MHz	16QAM	844	mHz
TOP	LTE 15 MHz	64QAM	1000	mHz
TOP	LTE 15 MHz	256QAM	793	mHz
BOTTOM	LTE 20 MHz	QPSK	163	mHz
BOTTOM	LTE 20 MHz	16QAM	1.119	Hz
BOTTOM	LTE 20 MHz	64QAM	-662	mHz
BOTTOM	LTE 20 MHz	256QAM	-1.065	Hz
MIDDLE	LTE 20 MHz	QPSK	574	mHz
MIDDLE	LTE 20 MHz	16QAM	-1.204	Hz
MIDDLE	LTE 20 MHz	64QAM	1.428	Hz
MIDDLE	LTE 20 MHz	256QAM	-232	mHz
TOP	LTE 20 MHz	QPSK	-850	mHz
TOP	LTE 20 MHz	16QAM	-981	mHz
TOP	LTE 20 MHz	64QAM	1.393	Hz
TOP	LTE 20 MHz	256QAM	-1.334	Hz

Appendix B: Block diagrams of test set-ups

Radiated emissions set-up



Substitution method set-up



Appendix C: EUT Photos

Photo Set up

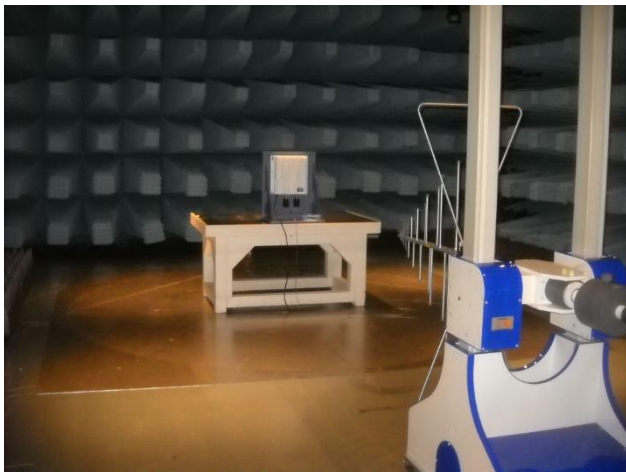
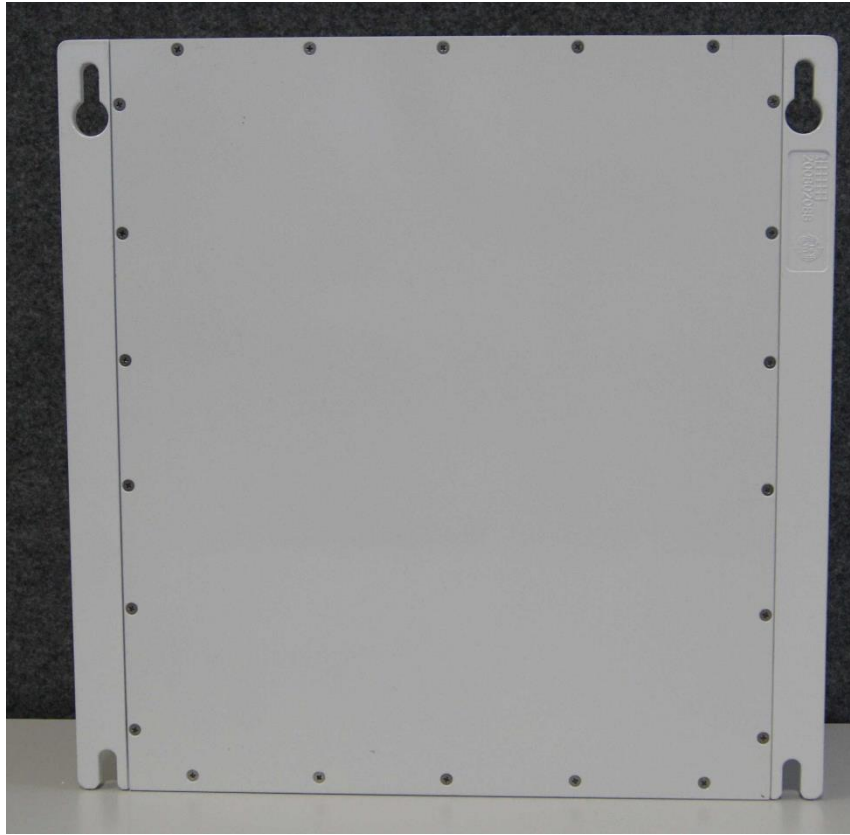


Photo EUT







END OF TEST REPORT