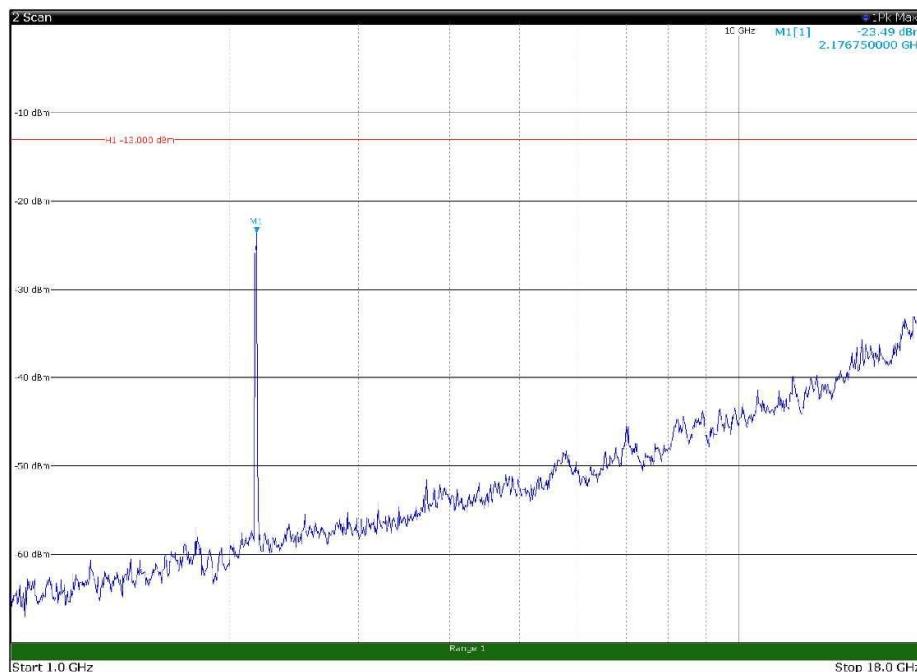
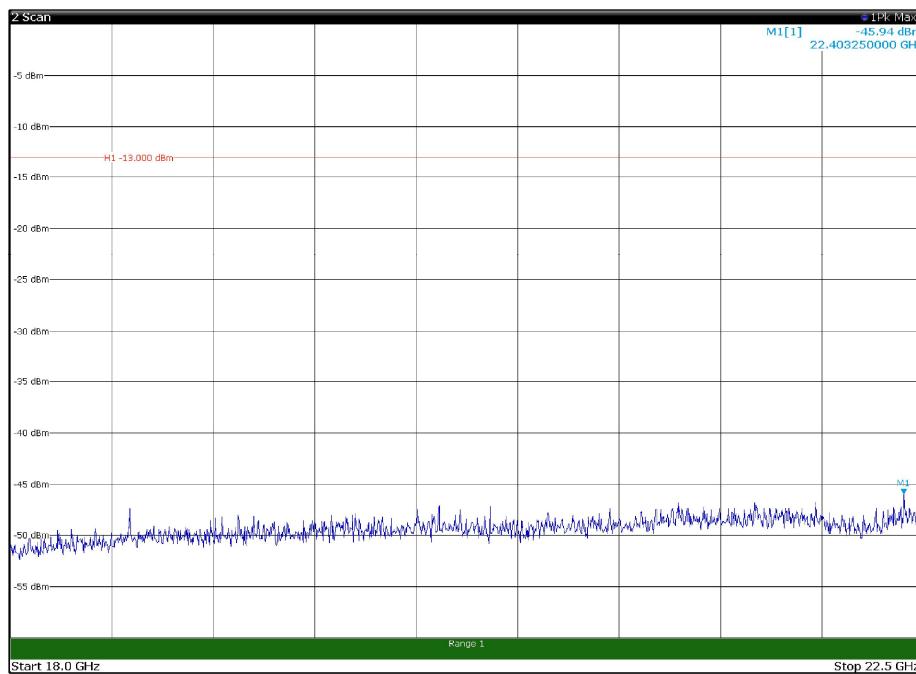


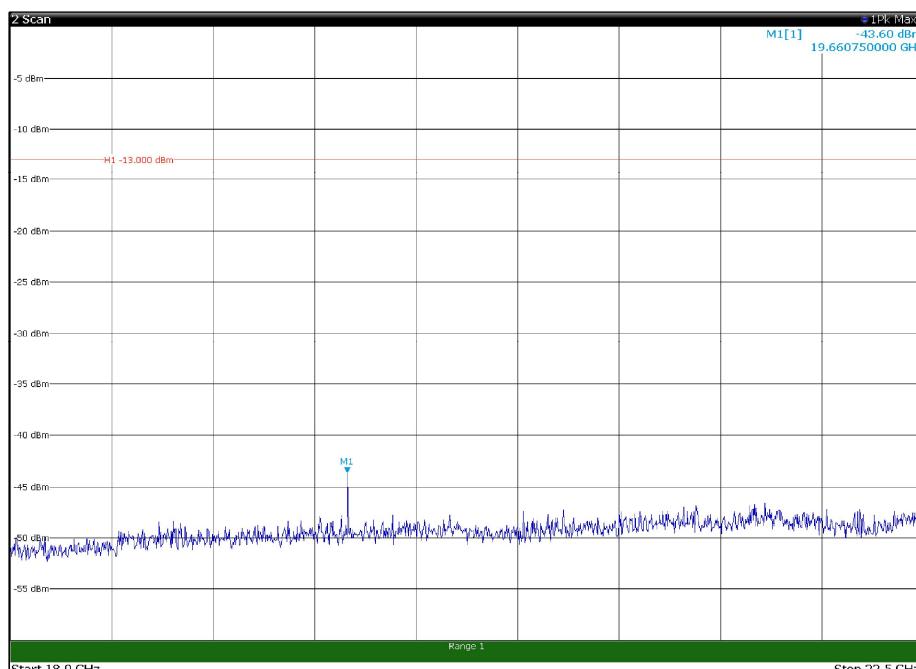
Channel: TOP, Modulation: 16QAM,  
 BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



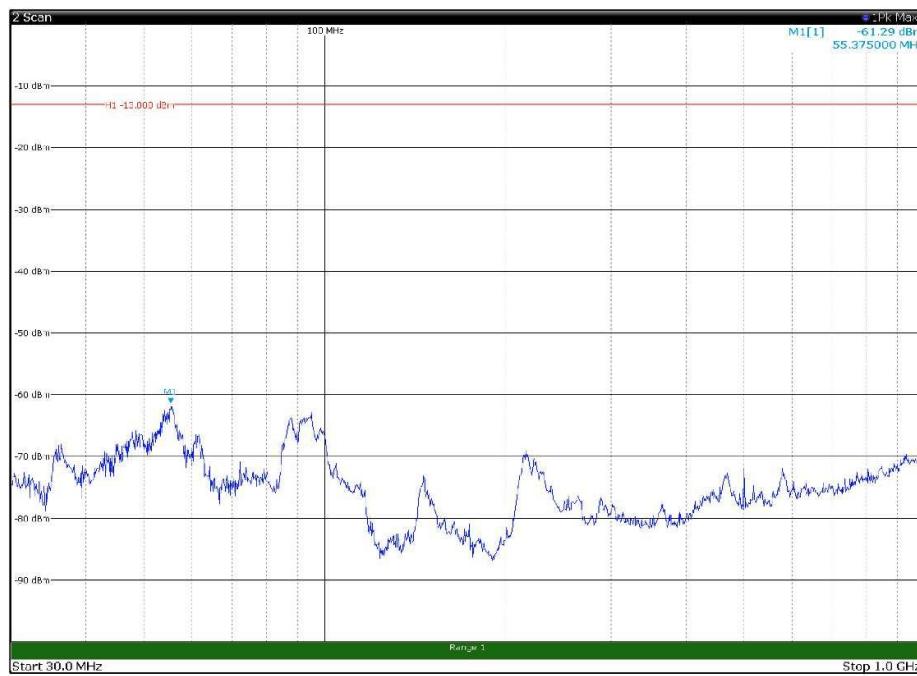
Channel: TOP, Modulation: 16QAM,  
 BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical



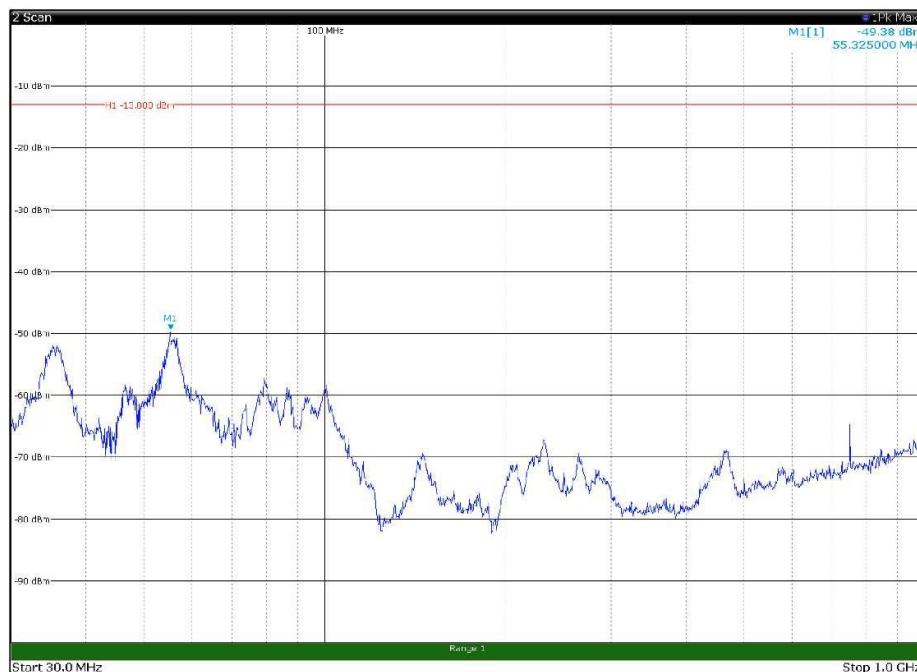
Channel: TOP, Modulation: 16QAM,  
 BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal



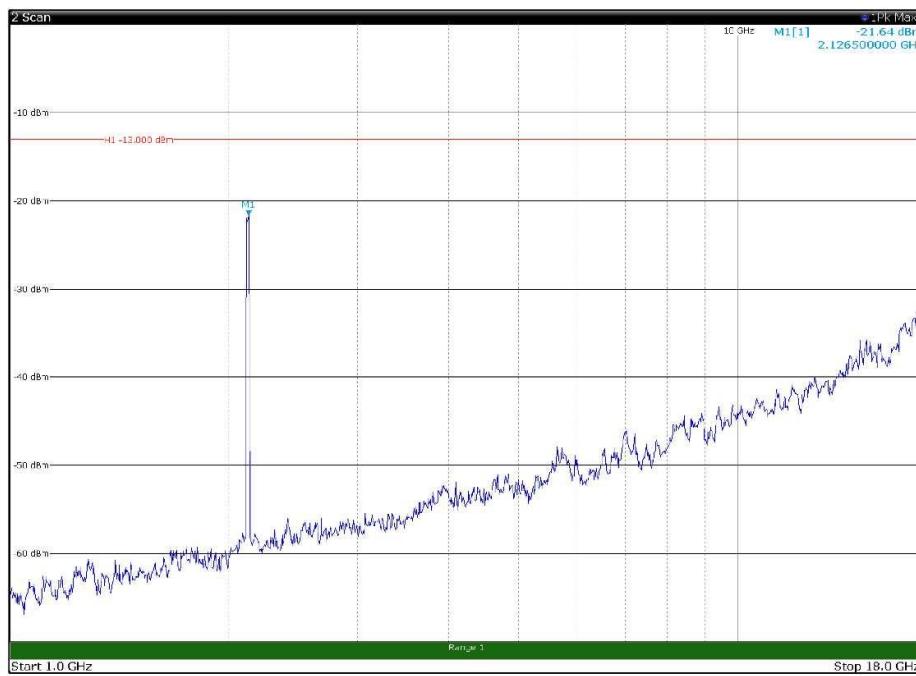
Channel: TOP, Modulation: 16QAM,  
 BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical



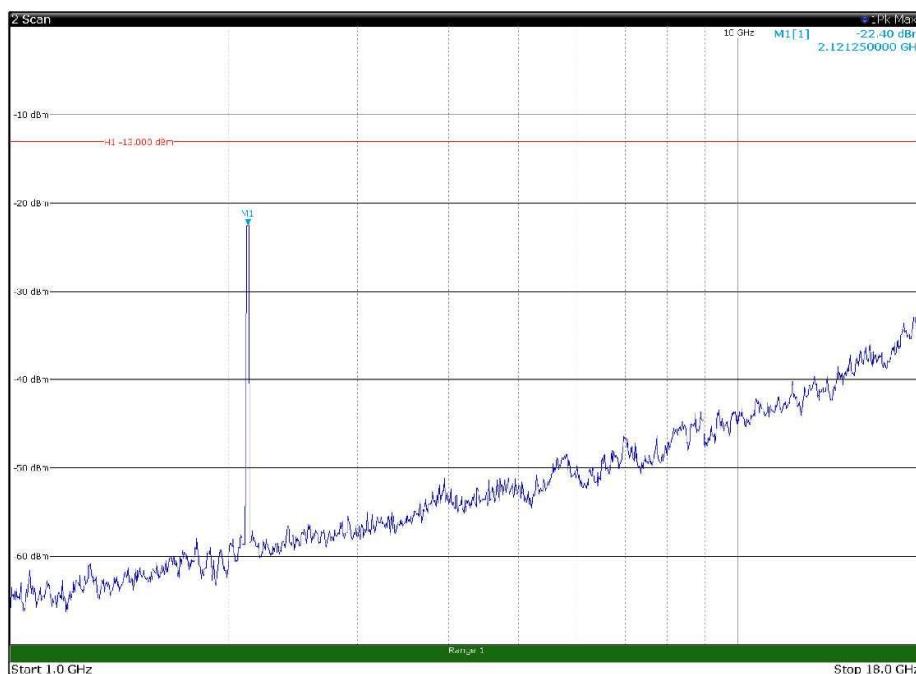
Channel: BOTTOM, Modulation: 64QAM,  
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



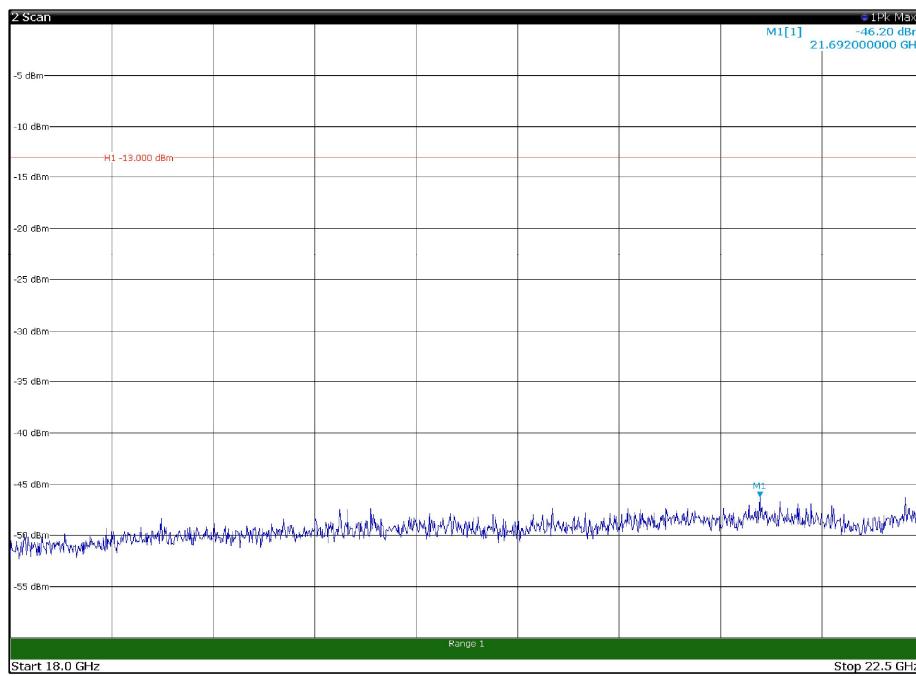
Channel: BOTTOM, Modulation: 64QAM,  
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Vertical



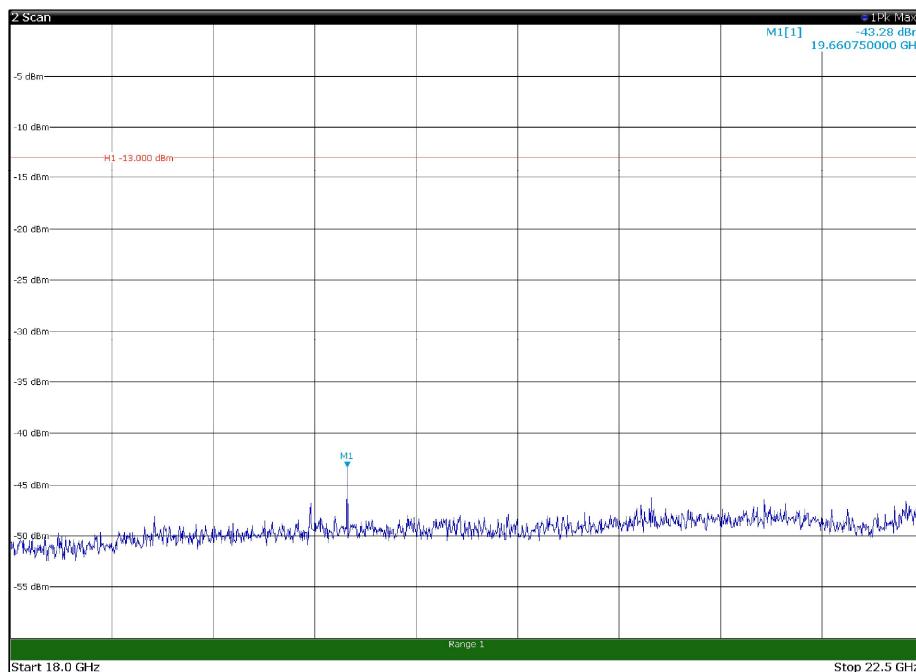
Channel: BOTTOM, Modulation: 64QAM,  
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



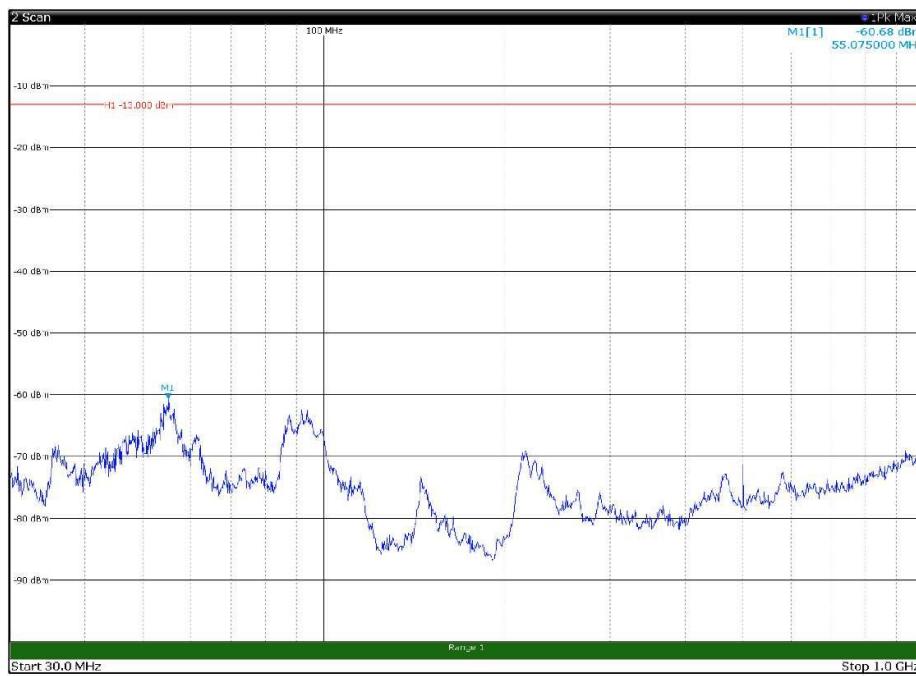
Channel: BOTTOM, Modulation: 64QAM,  
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical



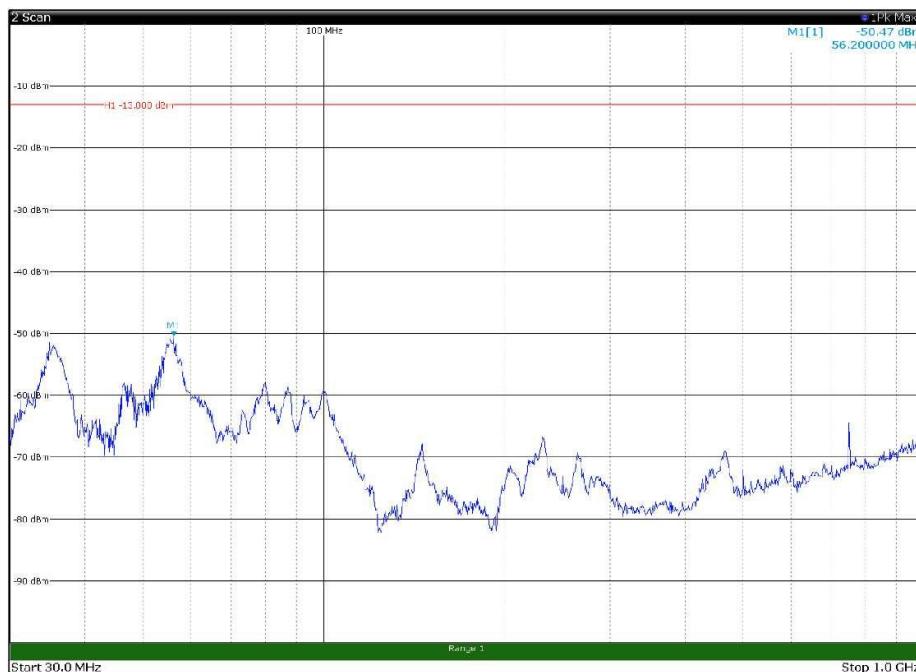
Channel: BOTTOM, Modulation: 64QAM,  
 BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal



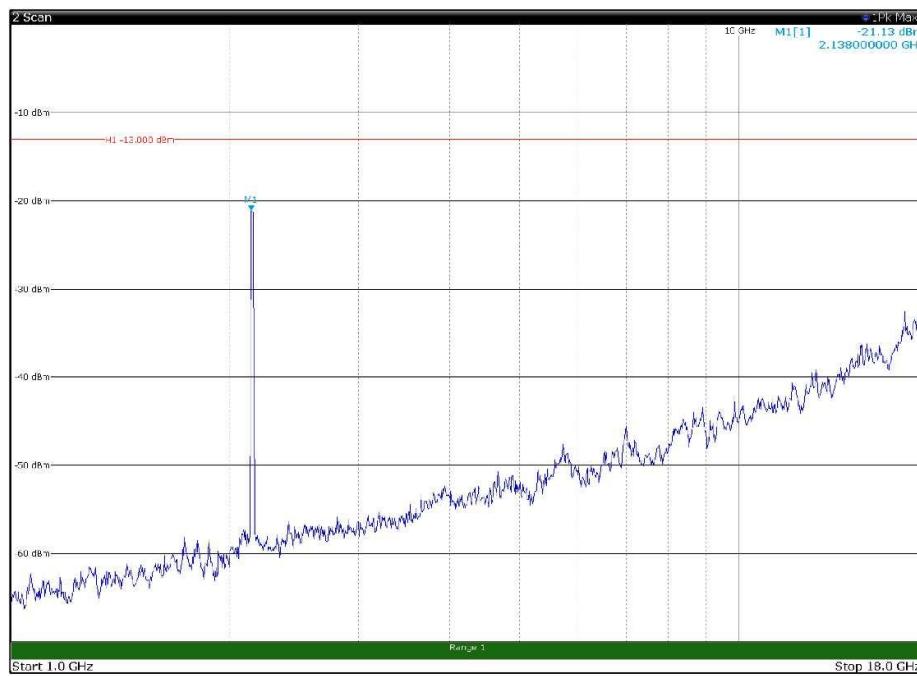
Channel: BOTTOM, Modulation: 64QAM,  
 BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical



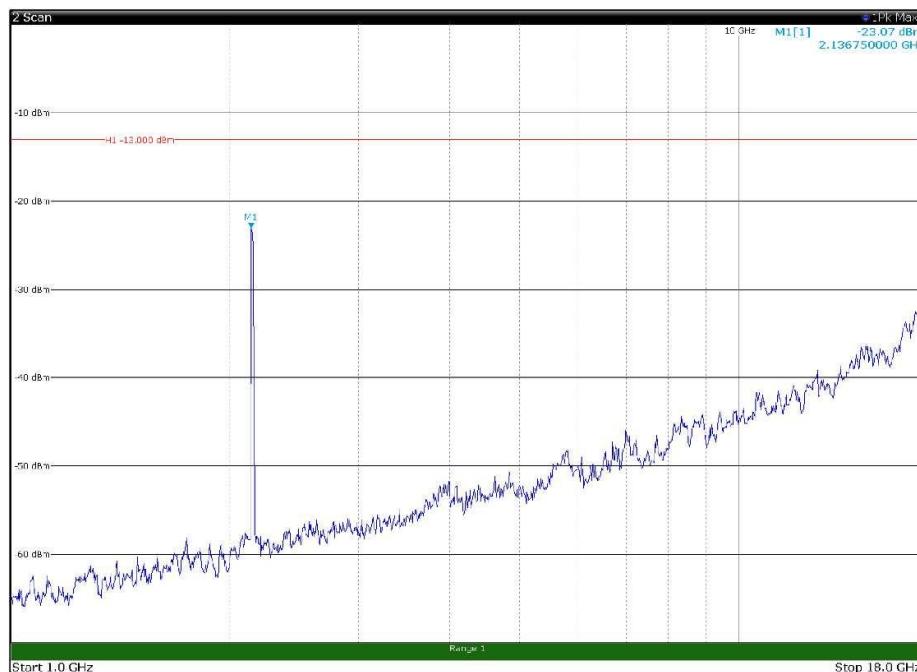
Channel: MIDDLE, Modulation: 64QAM,  
 BW=20MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



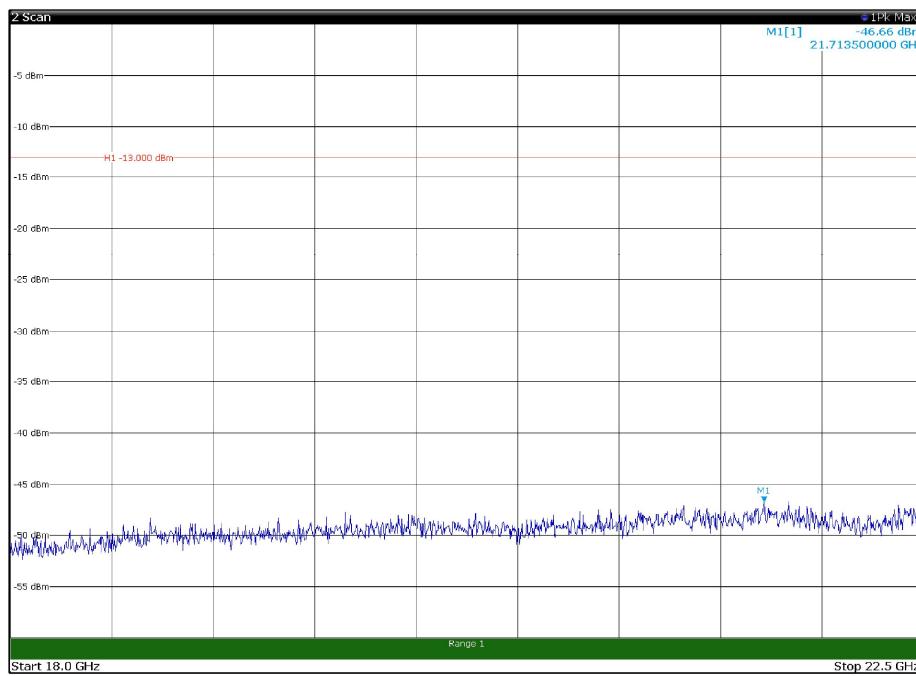
Channel: MIDDLE, Modulation: 64QAM,  
 BW=20MHz, Range: 30MHz - 1GHz, Polarization: Vertical



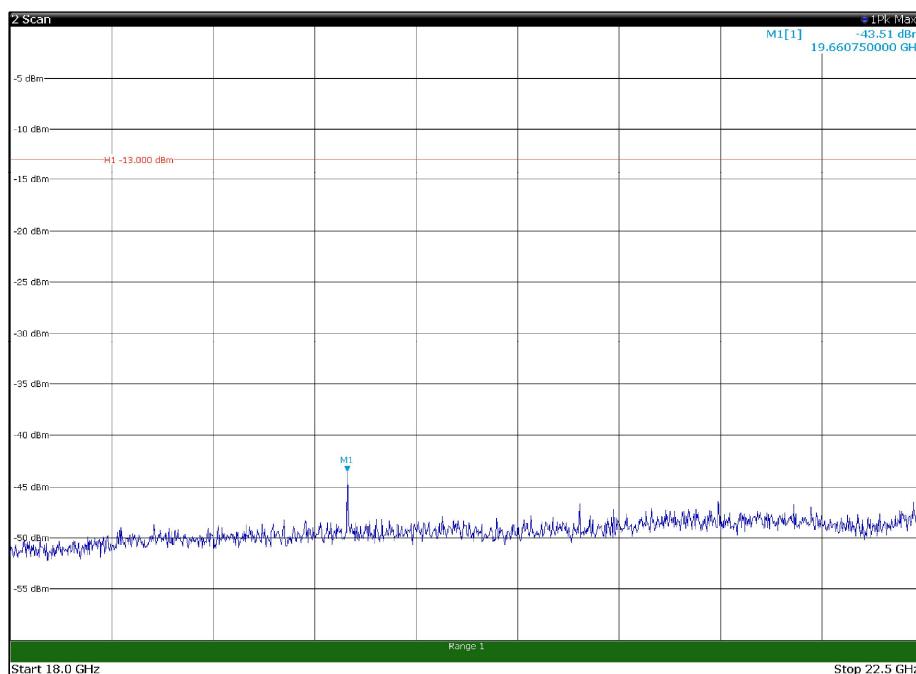
Channel: MIDDLE, Modulation: 64QAM,  
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



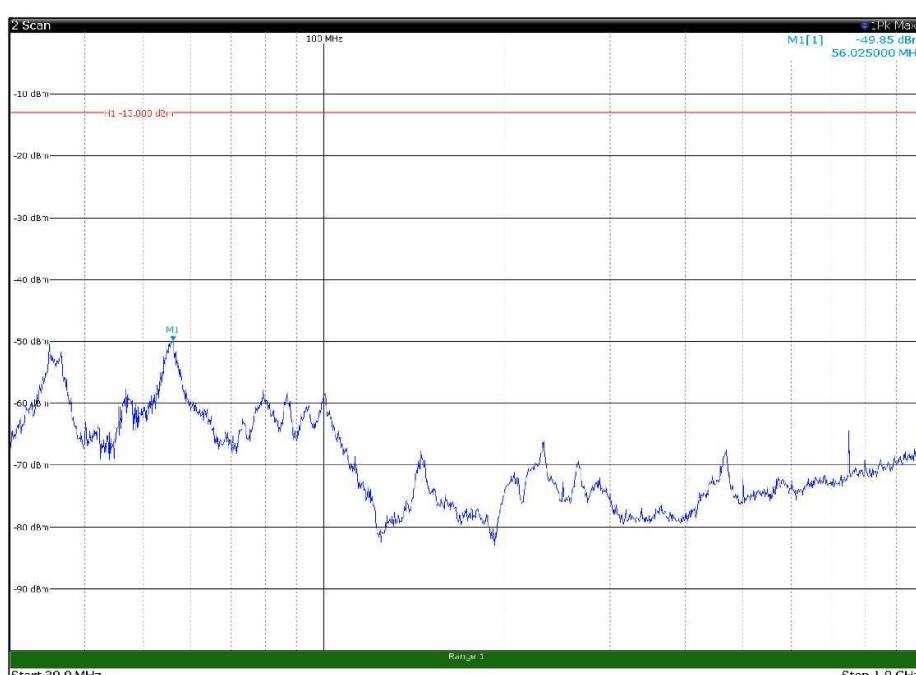
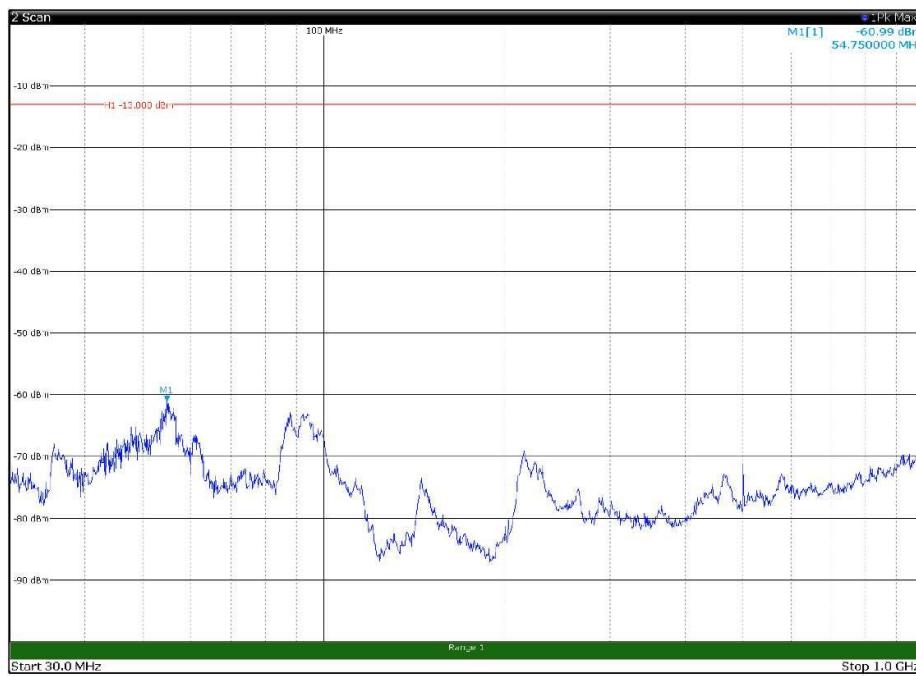
Channel: MIDDLE, Modulation: 64QAM,  
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical

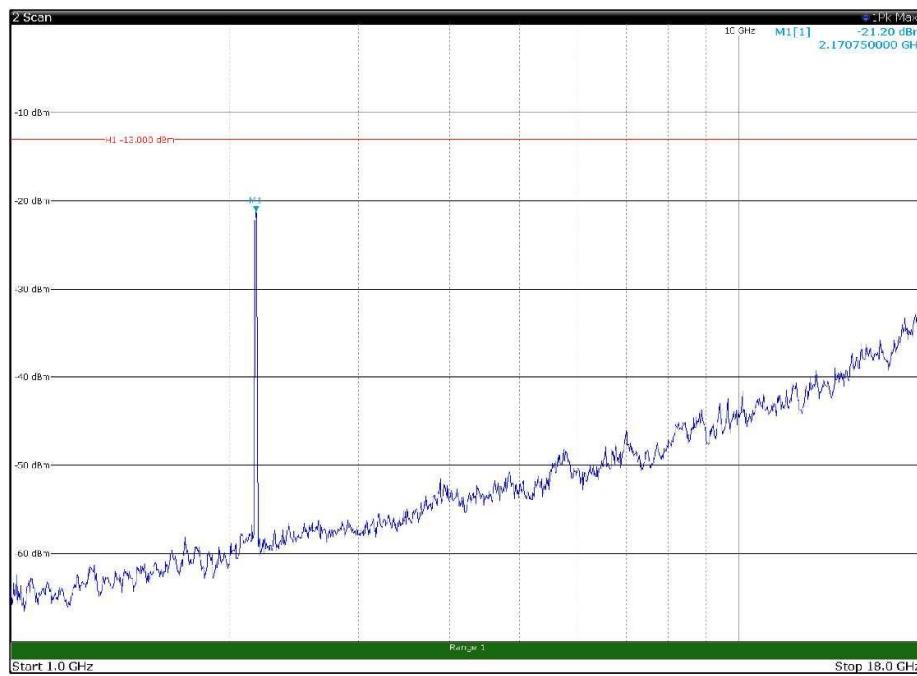


Channel: MIDDLE, Modulation: 64QAM,  
 BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal

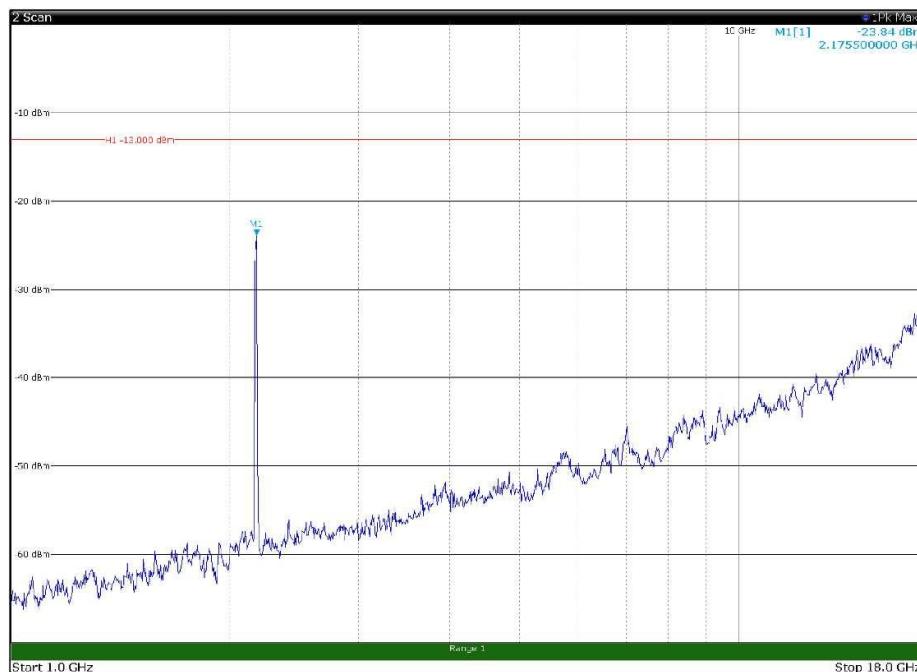


Channel: MIDDLE, Modulation: 64QAM,  
 BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical

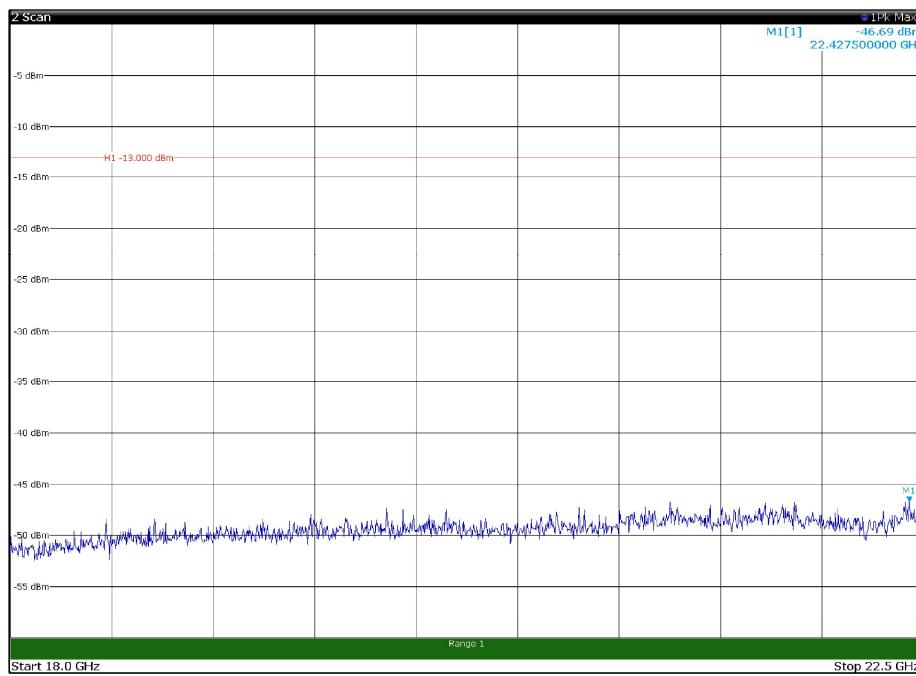




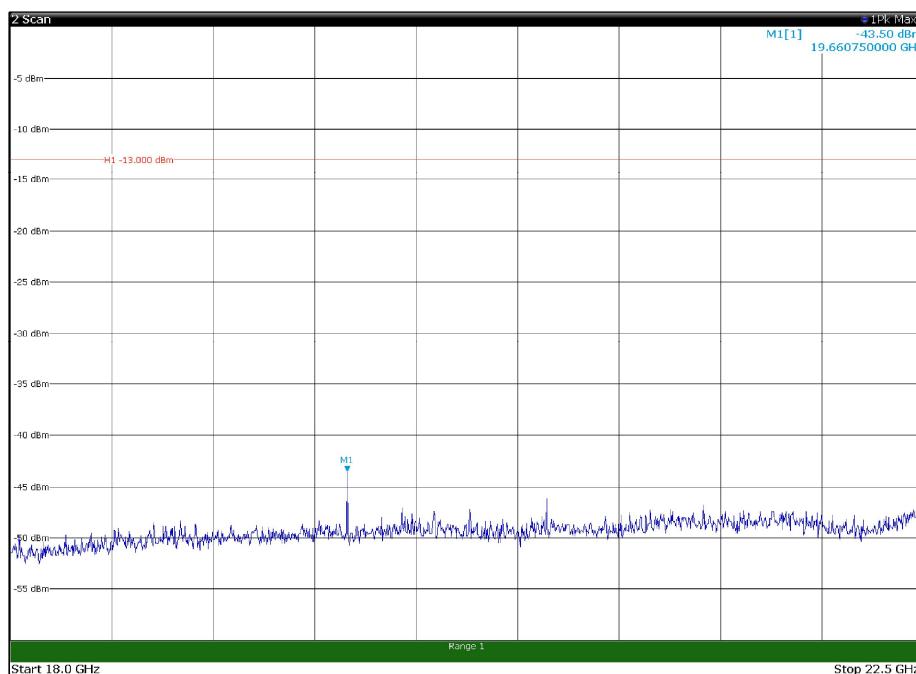
Channel: TOP, Modulation: 64QAM,  
 BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



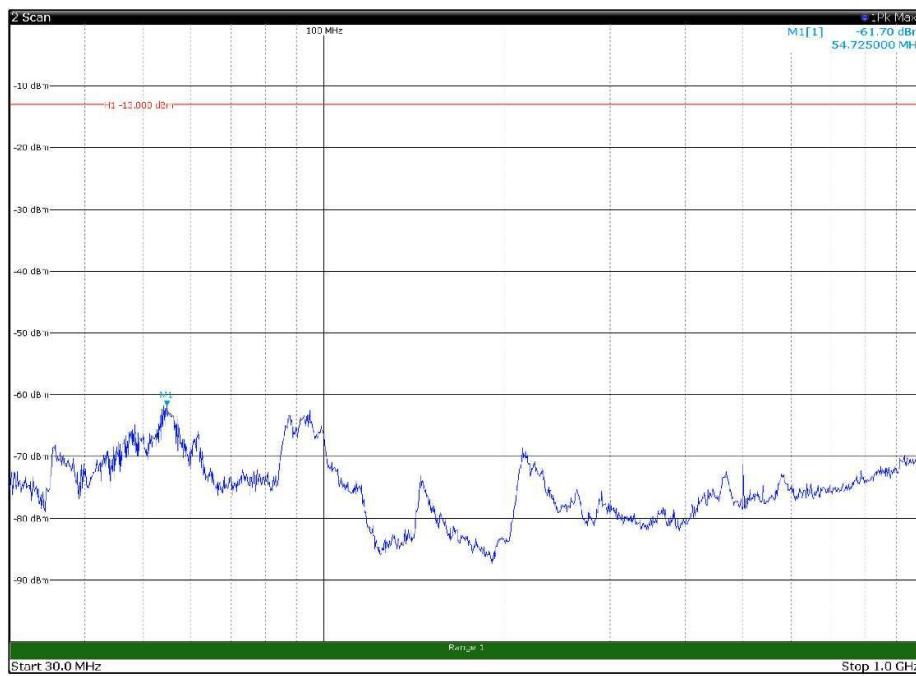
Channel: TOP, Modulation: 64QAM,  
 BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical



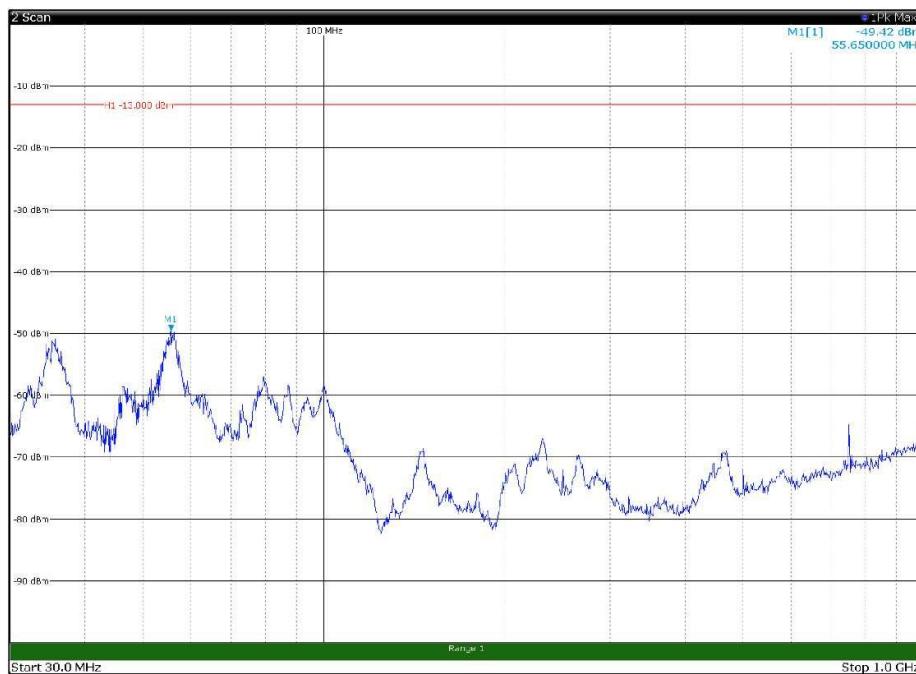
Channel: TOP, Modulation: 64QAM,  
 BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal



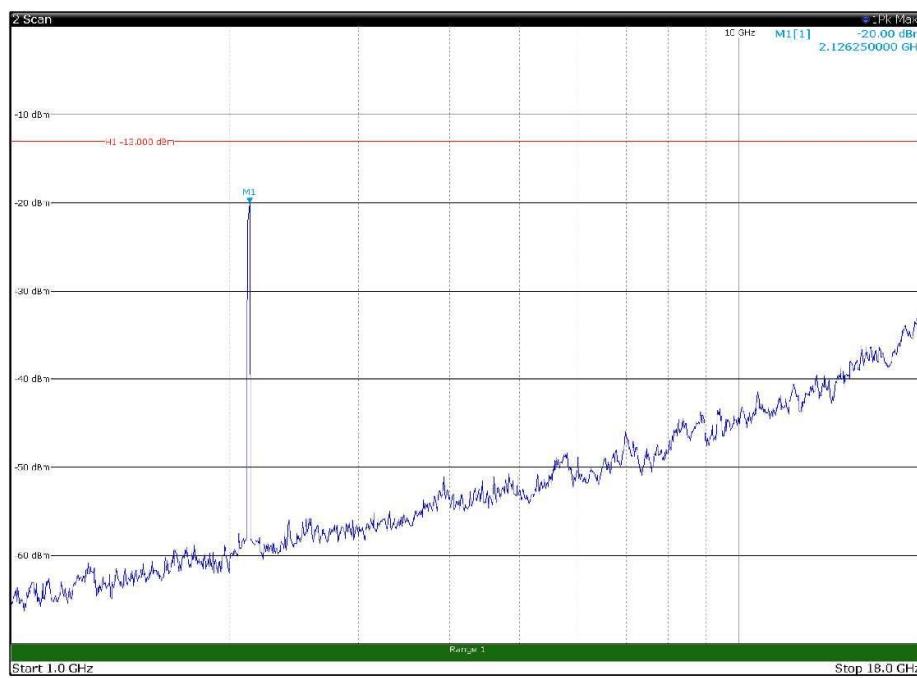
Channel: TOP, Modulation: 64QAM,  
 BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical



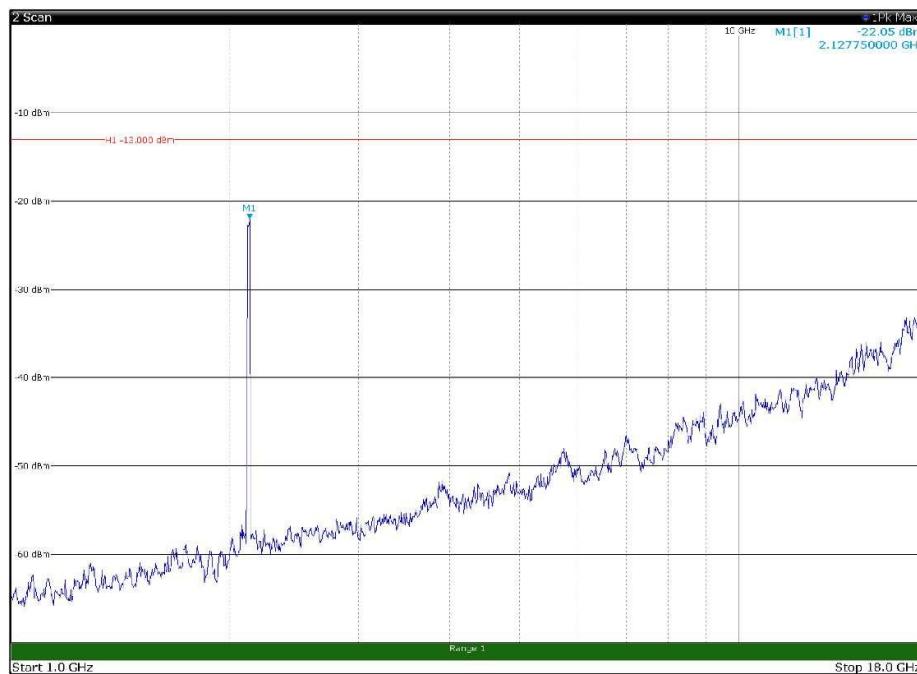
Channel: BOTTOM, Modulation: 256QAM,  
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



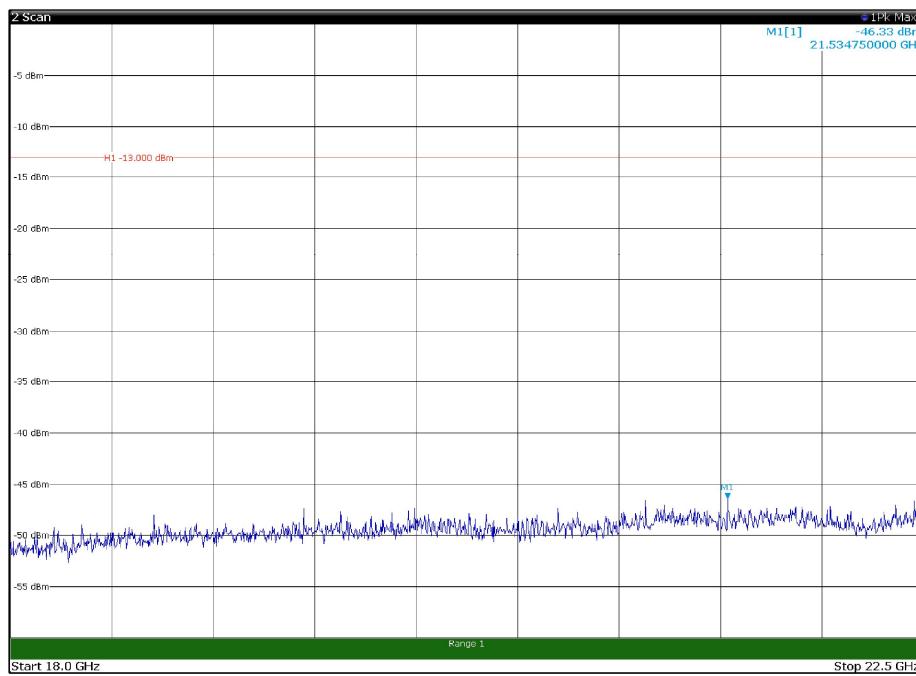
Channel: BOTTOM, Modulation: 256QAM,  
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Vertical



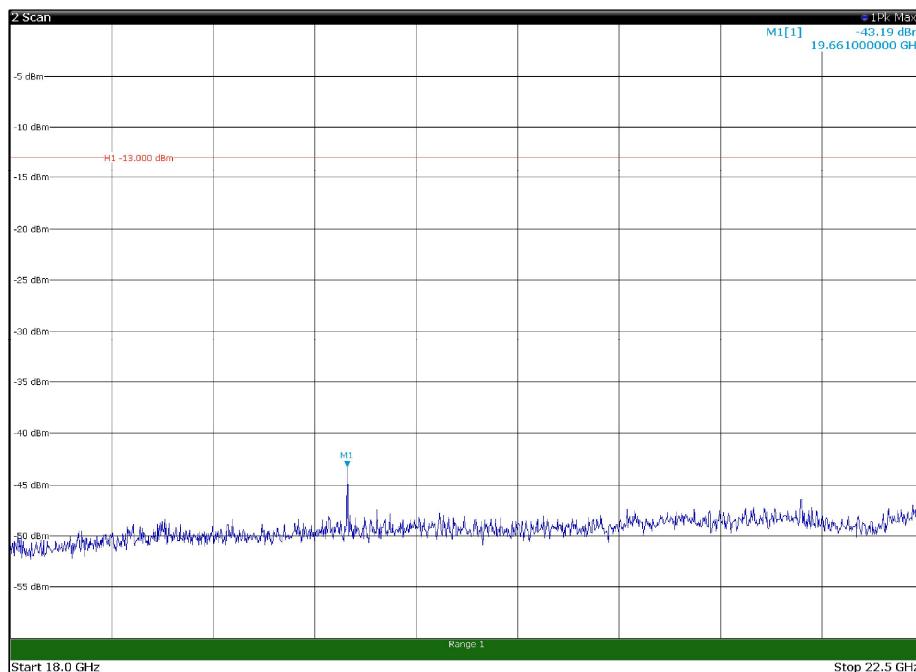
Channel: BOTTOM, Modulation: 256QAM,  
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



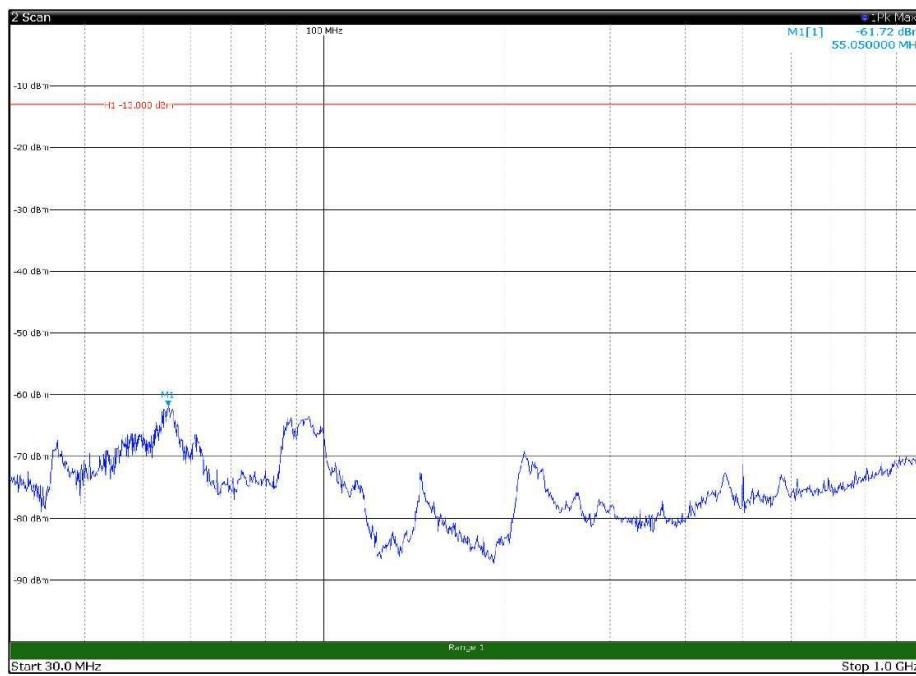
Channel: BOTTOM, Modulation: 256QAM,  
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical



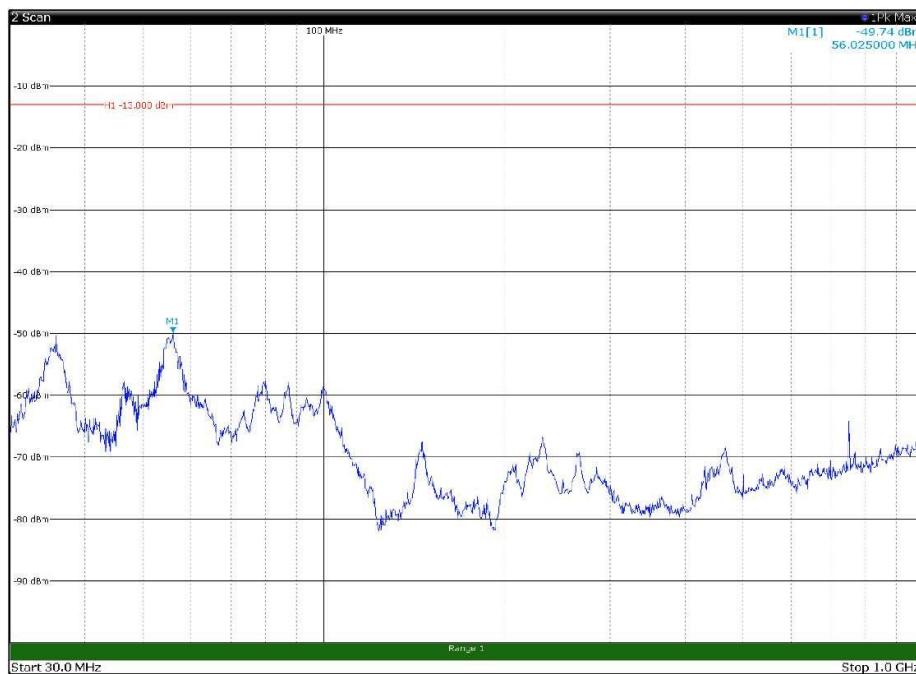
Channel: BOTTOM, Modulation: 256QAM,  
 BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal



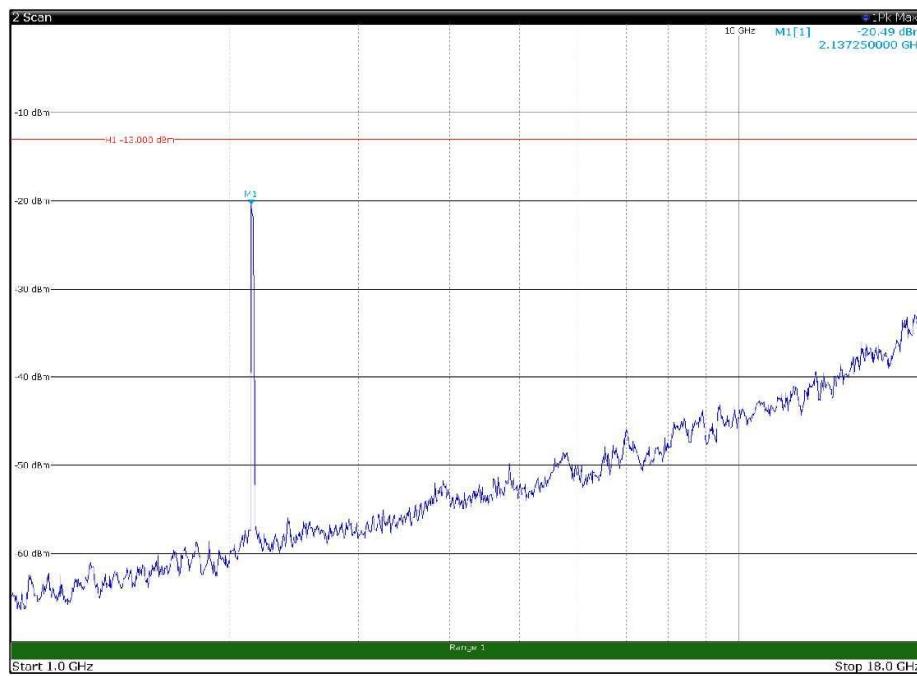
Channel: BOTTOM, Modulation: 256QAM,  
 BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical



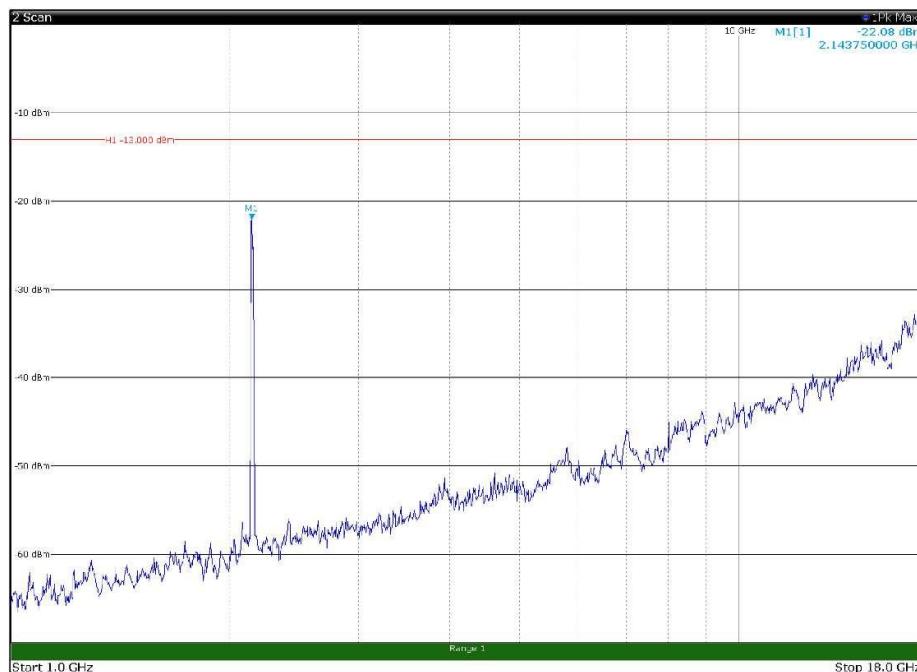
Channel: MIDDLE, Modulation: 256QAM,  
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



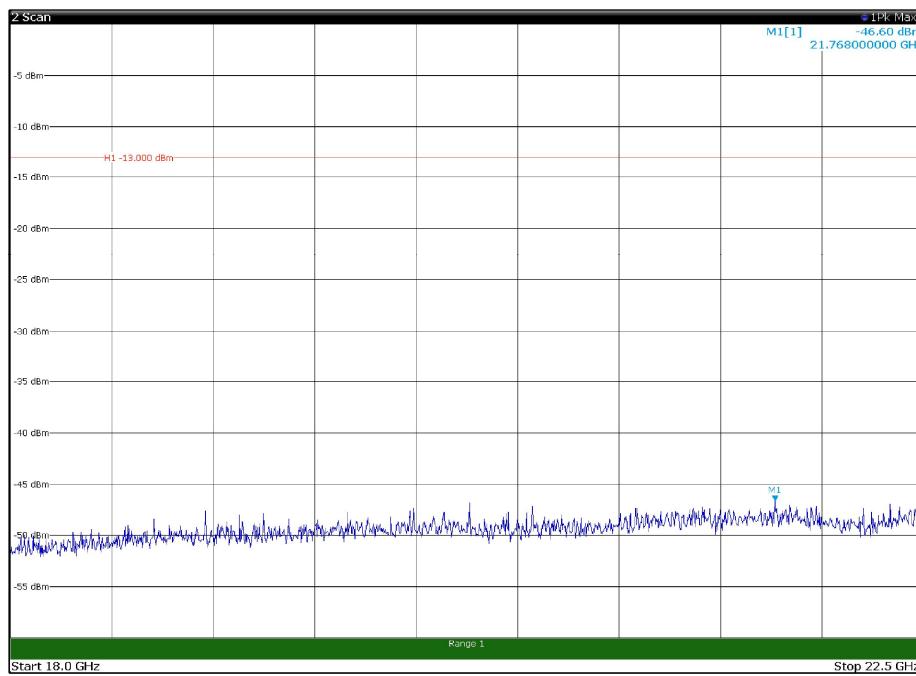
Channel: MIDDLE, Modulation: 256QAM,  
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Vertical



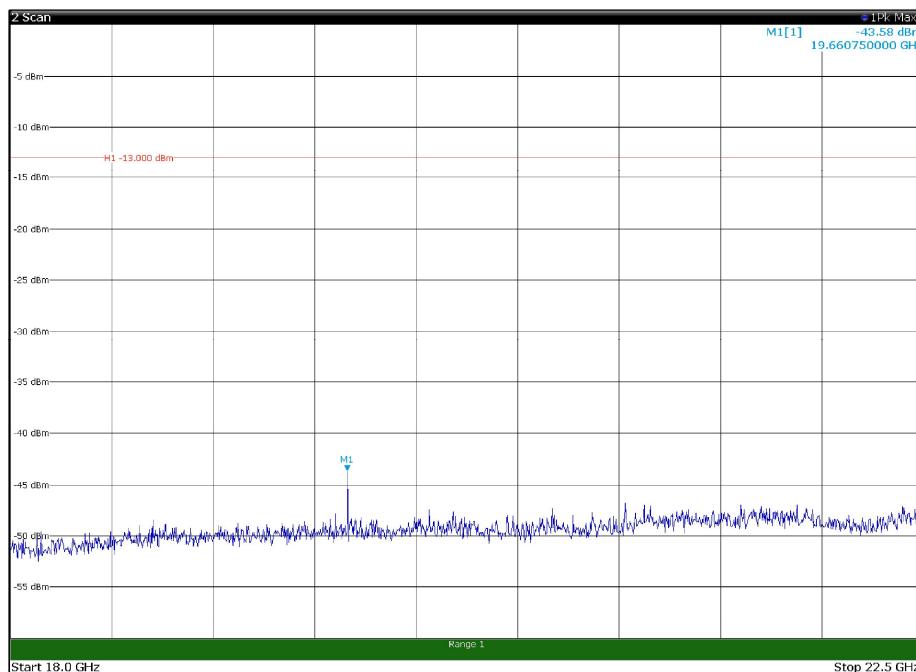
Channel: MIDDLE, Modulation: 256QAM,  
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



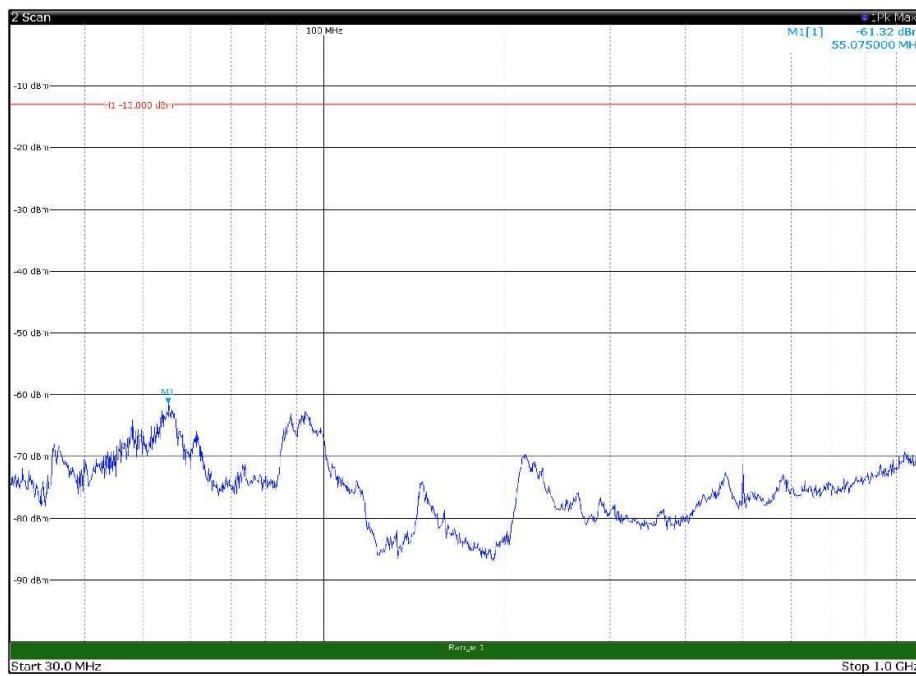
Channel: MIDDLE, Modulation: 256QAM,  
BW=20MHz, Range: 1GHz - 18GHz, Polarization: Vertical



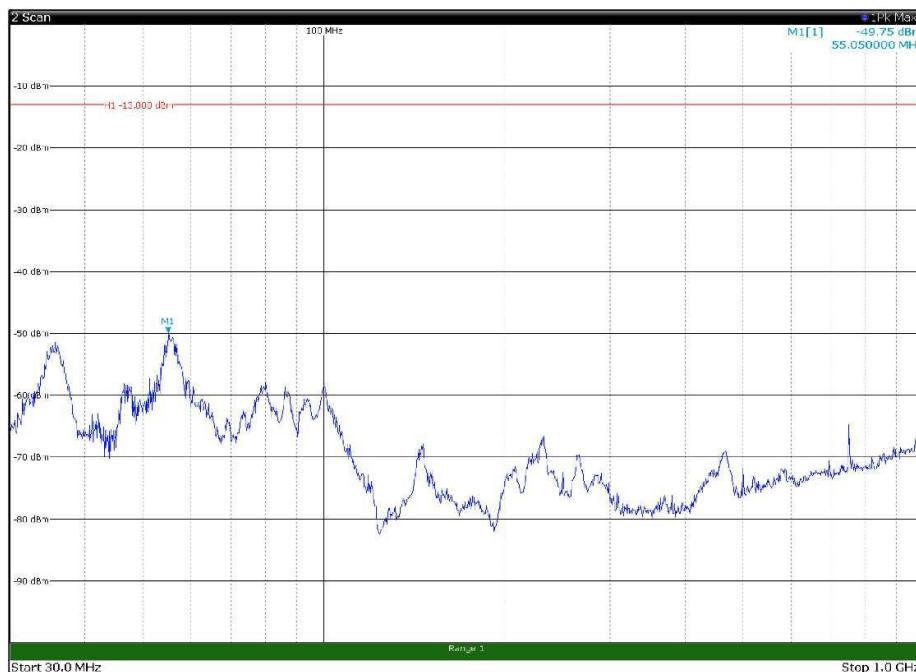
Channel: MIDDLE, Modulation: 256QAM,  
 BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal



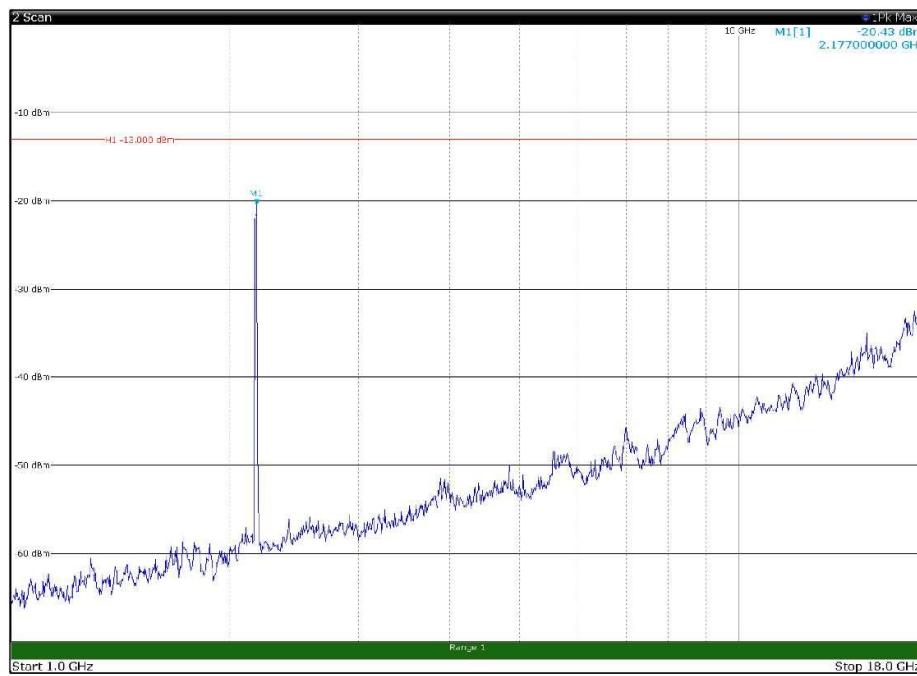
Channel: MIDDLE, Modulation: 256QAM,  
 BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Vertical



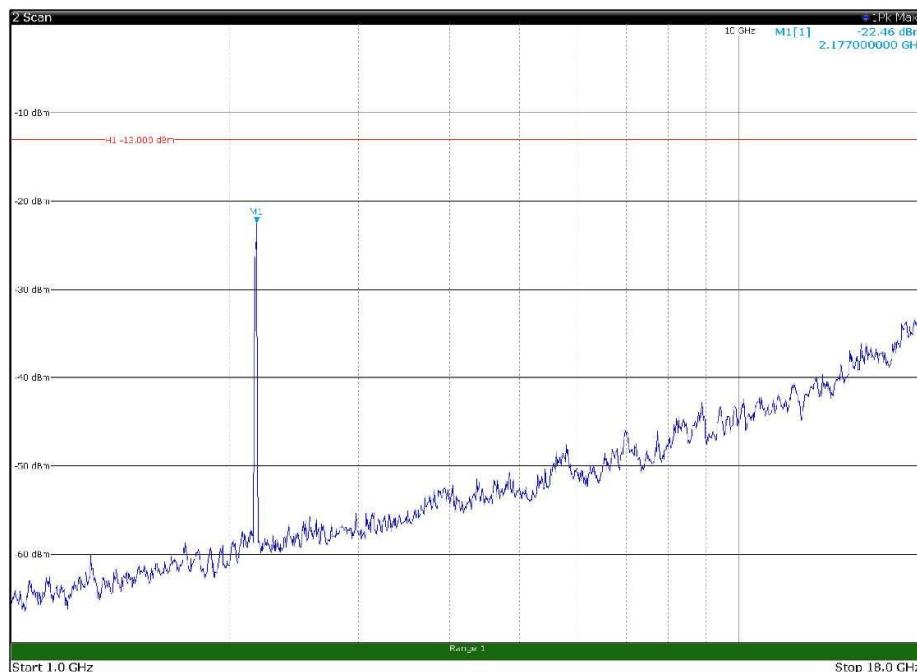
Channel: TOP, Modulation: 256QAM,  
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Horizontal



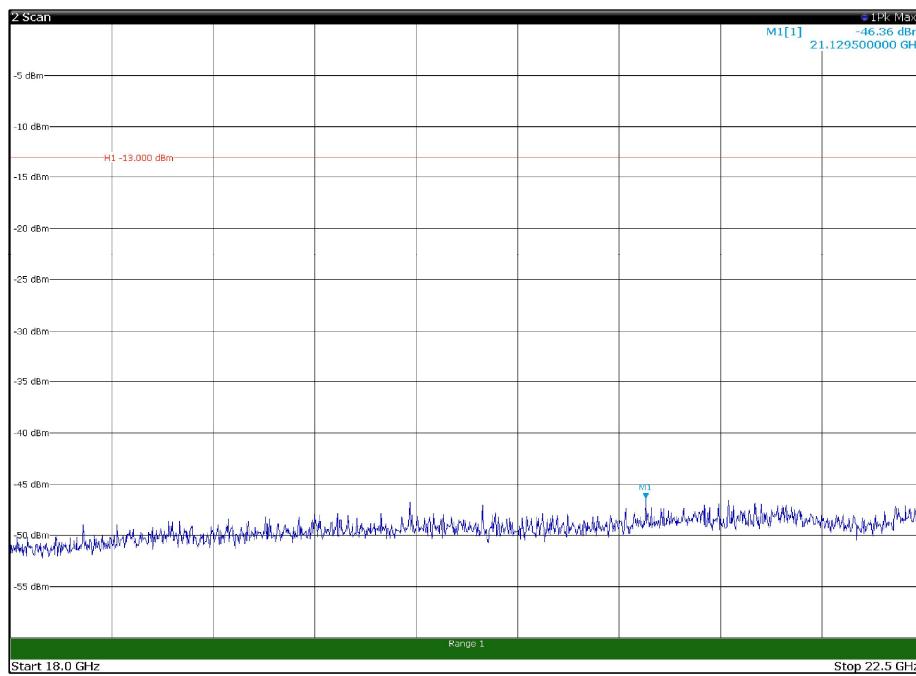
Channel: TOP, Modulation: 256QAM,  
BW=20MHz, Range: 30MHz - 1GHz, Polarization: Vertical



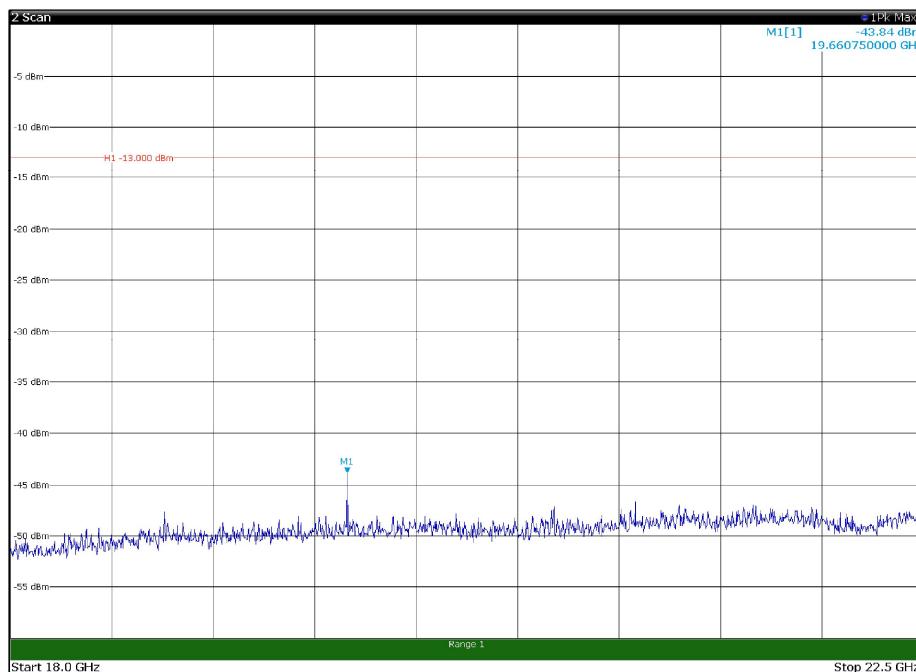
Channel: TOP, Modulation: 256QAM,  
 BW=20MHz, Range: 1GHz - 18GHz, Polarization: Horizontal



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



Channel: TOP, Modulation: 256QAM,  
 BW=20MHz, Range: 18GHz - 22.5GHz, Polarization: Horizontal



Channel: TOP, Modulation: 256QAM,  
 BW=20MHz, Range: 18GHz - 22.5GHz, 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

Tests 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	-1.034	Hz
BOTTOM	LTE 5 MHz	16QAM	-126	mHz
BOTTOM	LTE 5 MHz	64QAM	-987	mHz
BOTTOM	LTE 5 MHz	256QAM	-105	mHz
MIDDLE	LTE 5 MHz	QPSK	246	mHz
MIDDLE	LTE 5 MHz	16QAM	593	mHz
MIDDLE	LTE 5 MHz	64QAM	898	mHz
MIDDLE	LTE 5 MHz	256QAM	-301	mHz
TOP	LTE 5 MHz	QPSK	-399	mHz
TOP	LTE 5 MHz	16QAM	339	mHz
TOP	LTE 5 MHz	64QAM	-590	mHz
TOP	LTE 5 MHz	256QAM	-424	mHz
BOTTOM	LTE 10 MHz	QPSK	-783	mHz
BOTTOM	LTE 10 MHz	16QAM	-273	mHz
BOTTOM	LTE 10 MHz	64QAM	-588	mHz
BOTTOM	LTE 10 MHz	256QAM	833	mHz
MIDDLE	LTE 10 MHz	QPSK	828	mHz
MIDDLE	LTE 10 MHz	16QAM	-382	mHz
MIDDLE	LTE 10 MHz	64QAM	1.427	Hz
MIDDLE	LTE 10 MHz	256QAM	-578	mHz
TOP	LTE 10 MHz	QPSK	-1.466	Hz
TOP	LTE 10 MHz	16QAM	-1.284	Hz
TOP	LTE 10 MHz	64QAM	859	mHz
TOP	LTE 10 MHz	256QAM	234	mHz
BOTTOM	LTE 15 MHz	QPSK	-362	mHz
BOTTOM	LTE 15 MHz	16QAM	-345	mHz
BOTTOM	LTE 15 MHz	64QAM	-842	mHz
BOTTOM	LTE 15 MHz	256QAM	-395	mHz
MIDDLE	LTE 15 MHz	QPSK	1.066	Hz
MIDDLE	LTE 15 MHz	16QAM	449	mHz
MIDDLE	LTE 15 MHz	64QAM	-1.346	Hz
MIDDLE	LTE 15 MHz	256QAM	-41	mHz
TOP	LTE 15 MHz	QPSK	1.381	Hz
TOP	LTE 15 MHz	16QAM	-1.4	Hz
TOP	LTE 15 MHz	64QAM	-846	mHz
TOP	LTE 15 MHz	256QAM	-1.386	Hz
BOTTOM	LTE 20 MHz	QPSK	445	mHz
BOTTOM	LTE 20 MHz	16QAM	-234	mHz
BOTTOM	LTE 20 MHz	64QAM	-844	mHz
BOTTOM	LTE 20 MHz	256QAM	1.426	Hz
MIDDLE	LTE 20 MHz	QPSK	798	mHz
MIDDLE	LTE 20 MHz	16QAM	632	mHz
MIDDLE	LTE 20 MHz	64QAM	51	mHz
MIDDLE	LTE 20 MHz	256QAM	-393	mHz
TOP	LTE 20 MHz	QPSK	1.49	Hz
TOP	LTE 20 MHz	16QAM	960	mHz
TOP	LTE 20 MHz	64QAM	1.294	Hz
TOP	LTE 20 MHz	256QAM	705	mHz



Temperature = -20°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-858	mHz
BOTTOM	LTE 5 MHz	16QAM	272	mHz
BOTTOM	LTE 5 MHz	64QAM	1.304	Hz
BOTTOM	LTE 5 MHz	256QAM	-577	mHz
MIDDLE	LTE 5 MHz	QPSK	1.448	Hz
MIDDLE	LTE 5 MHz	16QAM	-765	mHz
MIDDLE	LTE 5 MHz	64QAM	1.299	Hz
MIDDLE	LTE 5 MHz	256QAM	165	mHz
TOP	LTE 5 MHz	QPSK	-619	mHz
TOP	LTE 5 MHz	16QAM	-640	mHz
TOP	LTE 5 MHz	64QAM	-1.23	Hz
TOP	LTE 5 MHz	256QAM	1.448	Hz
BOTTOM	LTE 10 MHz	QPSK	-506	mHz
BOTTOM	LTE 10 MHz	16QAM	362	mHz
BOTTOM	LTE 10 MHz	64QAM	-1.273	Hz
BOTTOM	LTE 10 MHz	256QAM	-688	mHz
MIDDLE	LTE 10 MHz	QPSK	-225	mHz
MIDDLE	LTE 10 MHz	16QAM	1.036	Hz
MIDDLE	LTE 10 MHz	64QAM	-1.372	Hz
MIDDLE	LTE 10 MHz	256QAM	221	mHz
TOP	LTE 10 MHz	QPSK	-766	mHz
TOP	LTE 10 MHz	16QAM	-1.361	Hz
TOP	LTE 10 MHz	64QAM	526	mHz
TOP	LTE 10 MHz	256QAM	-444	mHz
BOTTOM	LTE 15 MHz	QPSK	822	mHz
BOTTOM	LTE 15 MHz	16QAM	1.288	Hz
BOTTOM	LTE 15 MHz	64QAM	667	mHz
BOTTOM	LTE 15 MHz	256QAM	1.368	Hz
MIDDLE	LTE 15 MHz	QPSK	-1.359	Hz
MIDDLE	LTE 15 MHz	16QAM	1.153	Hz
MIDDLE	LTE 15 MHz	64QAM	-677	mHz
MIDDLE	LTE 15 MHz	256QAM	-239	mHz
TOP	LTE 15 MHz	QPSK	1.225	Hz
TOP	LTE 15 MHz	16QAM	450	mHz
TOP	LTE 15 MHz	64QAM	-709	mHz
TOP	LTE 15 MHz	256QAM	-177	mHz
BOTTOM	LTE 20 MHz	QPSK	-303	mHz
BOTTOM	LTE 20 MHz	16QAM	440	mHz
BOTTOM	LTE 20 MHz	64QAM	818	mHz
BOTTOM	LTE 20 MHz	256QAM	-468	mHz
MIDDLE	LTE 20 MHz	QPSK	787	mHz
MIDDLE	LTE 20 MHz	16QAM	-150	mHz
MIDDLE	LTE 20 MHz	64QAM	696	mHz
MIDDLE	LTE 20 MHz	256QAM	-1.287	Hz
TOP	LTE 20 MHz	QPSK	-845	mHz
TOP	LTE 20 MHz	16QAM	1.373	Hz
TOP	LTE 20 MHz	64QAM	799	mHz
TOP	LTE 20 MHz	256QAM	324	mHz



Temperature = -10°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	344	mHz
BOTTOM	LTE 5 MHz	16QAM	-592	mHz
BOTTOM	LTE 5 MHz	64QAM	582	mHz
BOTTOM	LTE 5 MHz	256QAM	1.46	Hz
MIDDLE	LTE 5 MHz	QPSK	-290.140	mHz
MIDDLE	LTE 5 MHz	16QAM	1.005	Hz
MIDDLE	LTE 5 MHz	64QAM	1.742	Hz
MIDDLE	LTE 5 MHz	256QAM	84.207	mHz
TOP	LTE 5 MHz	QPSK	-122	mHz
TOP	LTE 5 MHz	16QAM	-506	mHz
TOP	LTE 5 MHz	64QAM	394	mHz
TOP	LTE 5 MHz	256QAM	761	mHz
BOTTOM	LTE 10 MHz	QPSK	550	mHz
BOTTOM	LTE 10 MHz	16QAM	-1.379	Hz
BOTTOM	LTE 10 MHz	64QAM	-925	mHz
BOTTOM	LTE 10 MHz	256QAM	849	mHz
MIDDLE	LTE 10 MHz	QPSK	-401.55	mHz
MIDDLE	LTE 10 MHz	16QAM	1.2991	Hz
MIDDLE	LTE 10 MHz	64QAM	1.1995	Hz
MIDDLE	LTE 10 MHz	256QAM	1.2597	Hz
TOP	LTE 10 MHz	QPSK	836	mHz
TOP	LTE 10 MHz	16QAM	-1.375	Hz
TOP	LTE 10 MHz	64QAM	-313	mHz
TOP	LTE 10 MHz	256QAM	618	mHz
BOTTOM	LTE 15 MHz	QPSK	-95	mHz
BOTTOM	LTE 15 MHz	16QAM	968	mHz
BOTTOM	LTE 15 MHz	64QAM	-804	mHz
BOTTOM	LTE 15 MHz	256QAM	672	mHz
MIDDLE	LTE 15 MHz	QPSK	1.4165	Hz
MIDDLE	LTE 15 MHz	16QAM	188.08	mHz
MIDDLE	LTE 15 MHz	64QAM	104.15	mHz
MIDDLE	LTE 15 MHz	256QAM	-229.98	mHz
TOP	LTE 15 MHz	QPSK	743	mHz
TOP	LTE 15 MHz	16QAM	-1.337	Hz
TOP	LTE 15 MHz	64QAM	-267	mHz
TOP	LTE 15 MHz	256QAM	-468	mHz
BOTTOM	LTE 20 MHz	QPSK	1.24	Hz
BOTTOM	LTE 20 MHz	16QAM	-530	mHz
BOTTOM	LTE 20 MHz	64QAM	-567	mHz
BOTTOM	LTE 20 MHz	256QAM	348	mHz
MIDDLE	LTE 20 MHz	QPSK	1.7764	Hz
MIDDLE	LTE 20 MHz	16QAM	161.59	mHz
MIDDLE	LTE 20 MHz	64QAM	-803.14	mHz
MIDDLE	LTE 20 MHz	256QAM	1.4552	Hz
TOP	LTE 20 MHz	QPSK	1.272	Hz
TOP	LTE 20 MHz	16QAM	-457	mHz
TOP	LTE 20 MHz	64QAM	-675	mHz
TOP	LTE 20 MHz	256QAM	-806	mHz



Temperature = 0°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	1.109	Hz
BOTTOM	LTE 5 MHz	16QAM	-189	mHz
BOTTOM	LTE 5 MHz	64QAM	-329	mHz
BOTTOM	LTE 5 MHz	256QAM	-549	mHz
MIDDLE	LTE 5 MHz	QPSK	688.38	mHz
MIDDLE	LTE 5 MHz	16QAM	317.08	mHz
MIDDLE	LTE 5 MHz	64QAM	-382.88	mHz
MIDDLE	LTE 5 MHz	256QAM	-973.84	mHz
TOP	LTE 5 MHz	QPSK	-592	mHz
TOP	LTE 5 MHz	16QAM	808	mHz
TOP	LTE 5 MHz	64QAM	912	mHz
TOP	LTE 5 MHz	256QAM	150	mHz
BOTTOM	LTE 10 MHz	QPSK	267	mHz
BOTTOM	LTE 10 MHz	16QAM	-928	mHz
BOTTOM	LTE 10 MHz	64QAM	927	mHz
BOTTOM	LTE 10 MHz	256QAM	-1.096	Hz
MIDDLE	LTE 10 MHz	QPSK	1.1782	Hz
MIDDLE	LTE 10 MHz	16QAM	908.8	mHz
MIDDLE	LTE 10 MHz	64QAM	840.83	mHz
MIDDLE	LTE 10 MHz	256QAM	929.32	mHz
TOP	LTE 10 MHz	QPSK	-1.188	Hz
TOP	LTE 10 MHz	16QAM	1.348	Hz
TOP	LTE 10 MHz	64QAM	1.11	Hz
TOP	LTE 10 MHz	256QAM	-1.251	Hz
BOTTOM	LTE 15 MHz	QPSK	-52	mHz
BOTTOM	LTE 15 MHz	16QAM	-1.496	Hz
BOTTOM	LTE 15 MHz	64QAM	1.14	Hz
BOTTOM	LTE 15 MHz	256QAM	-1.283	Hz
MIDDLE	LTE 15 MHz	QPSK	-350.33	mHz
MIDDLE	LTE 15 MHz	16QAM	1.0758	Hz
MIDDLE	LTE 15 MHz	64QAM	-247.88	mHz
MIDDLE	LTE 15 MHz	256QAM	-1.1243	Hz
TOP	LTE 15 MHz	QPSK	-1.144	Hz
TOP	LTE 15 MHz	16QAM	-1.04	Hz
TOP	LTE 15 MHz	64QAM	811	mHz
TOP	LTE 15 MHz	256QAM	661	mHz
BOTTOM	LTE 20 MHz	QPSK	-731	mHz
BOTTOM	LTE 20 MHz	16QAM	1.29	Hz
BOTTOM	LTE 20 MHz	64QAM	935	mHz
BOTTOM	LTE 20 MHz	256QAM	-673	mHz
MIDDLE	LTE 20 MHz	QPSK	261.67	mHz
MIDDLE	LTE 20 MHz	16QAM	-237.63	mHz
MIDDLE	LTE 20 MHz	64QAM	335.73	mHz
MIDDLE	LTE 20 MHz	256QAM	-66.76	mHz
TOP	LTE 20 MHz	QPSK	186	mHz
TOP	LTE 20 MHz	16QAM	913	mHz
TOP	LTE 20 MHz	64QAM	-1.103	Hz
TOP	LTE 20 MHz	256QAM	-1.198	Hz



Temperature = 10°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	819	mHz
BOTTOM	LTE 5 MHz	16QAM	-455	mHz
BOTTOM	LTE 5 MHz	64QAM	96	mHz
BOTTOM	LTE 5 MHz	256QAM	-115	mHz
MIDDLE	LTE 5 MHz	QPSK	-494	mHz
MIDDLE	LTE 5 MHz	16QAM	1.074	Hz
MIDDLE	LTE 5 MHz	64QAM	-883	mHz
MIDDLE	LTE 5 MHz	256QAM	822	mHz
TOP	LTE 5 MHz	QPSK	-1.484	Hz
TOP	LTE 5 MHz	16QAM	-1.266	Hz
TOP	LTE 5 MHz	64QAM	85	mHz
TOP	LTE 5 MHz	256QAM	916	mHz
BOTTOM	LTE 10 MHz	QPSK	109	mHz
BOTTOM	LTE 10 MHz	16QAM	-514	mHz
BOTTOM	LTE 10 MHz	64QAM	216	mHz
BOTTOM	LTE 10 MHz	256QAM	562	mHz
MIDDLE	LTE 10 MHz	QPSK	1.262	Hz
MIDDLE	LTE 10 MHz	16QAM	-1.221	Hz
MIDDLE	LTE 10 MHz	64QAM	-649	mHz
MIDDLE	LTE 10 MHz	256QAM	168	mHz
TOP	LTE 10 MHz	QPSK	237	mHz
TOP	LTE 10 MHz	16QAM	-818	mHz
TOP	LTE 10 MHz	64QAM	-87	mHz
TOP	LTE 10 MHz	256QAM	1.491	Hz
BOTTOM	LTE 15 MHz	QPSK	-674	mHz
BOTTOM	LTE 15 MHz	16QAM	623	mHz
BOTTOM	LTE 15 MHz	64QAM	-166	mHz
BOTTOM	LTE 15 MHz	256QAM	277	mHz
MIDDLE	LTE 15 MHz	QPSK	372	mHz
MIDDLE	LTE 15 MHz	16QAM	-1.469	Hz
MIDDLE	LTE 15 MHz	64QAM	967	mHz
MIDDLE	LTE 15 MHz	256QAM	150	mHz
TOP	LTE 15 MHz	QPSK	1.436	Hz
TOP	LTE 15 MHz	16QAM	-1.183	Hz
TOP	LTE 15 MHz	64QAM	-15	mHz
TOP	LTE 15 MHz	256QAM	-591	mHz
BOTTOM	LTE 20 MHz	QPSK	1.158	Hz
BOTTOM	LTE 20 MHz	16QAM	428	mHz
BOTTOM	LTE 20 MHz	64QAM	-250	mHz
BOTTOM	LTE 20 MHz	256QAM	-289	mHz
MIDDLE	LTE 20 MHz	QPSK	1.259	Hz
MIDDLE	LTE 20 MHz	16QAM	-1.462	Hz
MIDDLE	LTE 20 MHz	64QAM	-653	mHz
MIDDLE	LTE 20 MHz	256QAM	-1.47	Hz
TOP	LTE 20 MHz	QPSK	-866	mHz
TOP	LTE 20 MHz	16QAM	-1.281	Hz
TOP	LTE 20 MHz	64QAM	1.331	Hz
TOP	LTE 20 MHz	256QAM	131	mHz



Temperature = 20°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	729.31	mHz
BOTTOM	LTE 5 MHz	16QAM	584.01	mHz
BOTTOM	LTE 5 MHz	64QAM	885.36	mHz
BOTTOM	LTE 5 MHz	256QAM	-16.865	mHz
MIDDLE	LTE 5 MHz	QPSK	30.408	mHz
MIDDLE	LTE 5 MHz	16QAM	976.31	mHz
MIDDLE	LTE 5 MHz	64QAM	330.05	mHz
MIDDLE	LTE 5 MHz	256QAM	538.11	mHz
TOP	LTE 5 MHz	QPSK	683.27	mHz
TOP	LTE 5 MHz	16QAM	283.3	mHz
TOP	LTE 5 MHz	64QAM	909.26	mHz
TOP	LTE 5 MHz	256QAM	-309.66	mHz
BOTTOM	LTE 10 MHz	QPSK	-442.85	mHz
BOTTOM	LTE 10 MHz	16QAM	-436.1	mHz
BOTTOM	LTE 10 MHz	64QAM	95.952	mHz
BOTTOM	LTE 10 MHz	256QAM	474.03	mHz
MIDDLE	LTE 10 MHz	QPSK	287.29	mHz
MIDDLE	LTE 10 MHz	16QAM	970.09	mHz
MIDDLE	LTE 10 MHz	64QAM	847.93	mHz
MIDDLE	LTE 10 MHz	256QAM	-217.18	mHz
TOP	LTE 10 MHz	QPSK	409.91	mHz
TOP	LTE 10 MHz	16QAM	46.87	mHz
TOP	LTE 10 MHz	64QAM	568.75	mHz
TOP	LTE 10 MHz	256QAM	-109.36	mHz
BOTTOM	LTE 15 MHz	QPSK	787.64	mHz
BOTTOM	LTE 15 MHz	16QAM	-233.03	mHz
BOTTOM	LTE 15 MHz	64QAM	841.46	mHz
BOTTOM	LTE 15 MHz	256QAM	-632.9	mHz
MIDDLE	LTE 15 MHz	QPSK	434.11	mHz
MIDDLE	LTE 15 MHz	16QAM	41.044	mHz
MIDDLE	LTE 15 MHz	64QAM	604.69	mHz
MIDDLE	LTE 15 MHz	256QAM	-168.51	mHz
TOP	LTE 15 MHz	QPSK	640.62	mHz
TOP	LTE 15 MHz	16QAM	-87.828	mHz
TOP	LTE 15 MHz	64QAM	-622.79	mHz
TOP	LTE 15 MHz	256QAM	-28.171	mHz
BOTTOM	LTE 20 MHz	QPSK	887.13	mHz
BOTTOM	LTE 20 MHz	16QAM	1.7059	Hz
BOTTOM	LTE 20 MHz	64QAM	657.45	mHz
BOTTOM	LTE 20 MHz	256QAM	813.02	mHz
MIDDLE	LTE 20 MHz	QPSK	206.81	mHz
MIDDLE	LTE 20 MHz	16QAM	219.37	mHz
MIDDLE	LTE 20 MHz	64QAM	-148.32	mHz
MIDDLE	LTE 20 MHz	256QAM	316.86	mHz
TOP	LTE 20 MHz	QPSK	-212.98	mHz
TOP	LTE 20 MHz	16QAM	387.82	mHz
TOP	LTE 20 MHz	64QAM	943.98	mHz
TOP	LTE 20 MHz	256QAM	-431.87	mHz



Temperature = 30°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	1.045	Hz
BOTTOM	LTE 5 MHz	16QAM	-785	mHz
BOTTOM	LTE 5 MHz	64QAM	39	mHz
BOTTOM	LTE 5 MHz	256QAM	463	mHz
MIDDLE	LTE 5 MHz	QPSK	-585.29	mHz
MIDDLE	LTE 5 MHz	16QAM	921.28	mHz
MIDDLE	LTE 5 MHz	64QAM	-1.0024	Hz
MIDDLE	LTE 5 MHz	256QAM	-719.35	mHz
TOP	LTE 5 MHz	QPSK	-1.298	Hz
TOP	LTE 5 MHz	16QAM	974	mHz
TOP	LTE 5 MHz	64QAM	274	mHz
TOP	LTE 5 MHz	256QAM	1.194	Hz
BOTTOM	LTE 10 MHz	QPSK	-1.298	Hz
BOTTOM	LTE 10 MHz	16QAM	-980	mHz
BOTTOM	LTE 10 MHz	64QAM	1.058	Hz
BOTTOM	LTE 10 MHz	256QAM	-497	mHz
MIDDLE	LTE 10 MHz	QPSK	-498.61	mHz
MIDDLE	LTE 10 MHz	16QAM	914.8	mHz
MIDDLE	LTE 10 MHz	64QAM	-404.53	mHz
MIDDLE	LTE 10 MHz	256QAM	-748.79	mHz
TOP	LTE 10 MHz	QPSK	27	mHz
TOP	LTE 10 MHz	16QAM	895	mHz
TOP	LTE 10 MHz	64QAM	-740	mHz
TOP	LTE 10 MHz	256QAM	-1.302	Hz
BOTTOM	LTE 15 MHz	QPSK	108	mHz
BOTTOM	LTE 15 MHz	16QAM	760	mHz
BOTTOM	LTE 15 MHz	64QAM	-275	mHz
BOTTOM	LTE 15 MHz	256QAM	-506	mHz
MIDDLE	LTE 15 MHz	QPSK	-1.0421	Hz
MIDDLE	LTE 15 MHz	16QAM	947.91	mHz
MIDDLE	LTE 15 MHz	64QAM	956.25	mHz
MIDDLE	LTE 15 MHz	256QAM	1.1479	Hz
TOP	LTE 15 MHz	QPSK	679	mHz
TOP	LTE 15 MHz	16QAM	1.324	Hz
TOP	LTE 15 MHz	64QAM	-1.102	Hz
TOP	LTE 15 MHz	256QAM	-581	mHz
BOTTOM	LTE 20 MHz	QPSK	-813	mHz
BOTTOM	LTE 20 MHz	16QAM	-979	mHz
BOTTOM	LTE 20 MHz	64QAM	-1.174	Hz
BOTTOM	LTE 20 MHz	256QAM	41	mHz
MIDDLE	LTE 20 MHz	QPSK	107.87	mHz
MIDDLE	LTE 20 MHz	16QAM	-857.24	mHz
MIDDLE	LTE 20 MHz	64QAM	-575.58	mHz
MIDDLE	LTE 20 MHz	256QAM	-750.26	mHz
TOP	LTE 20 MHz	QPSK	1.172	Hz
TOP	LTE 20 MHz	16QAM	406	mHz
TOP	LTE 20 MHz	64QAM	-907	mHz
TOP	LTE 20 MHz	256QAM	1.187	Hz



Temperature = 40°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	1.0798	Hz
BOTTOM	LTE 5 MHz	16QAM	-988.2	mHz
BOTTOM	LTE 5 MHz	64QAM	960.03	mHz
BOTTOM	LTE 5 MHz	256QAM	125.66	mHz
MIDDLE	LTE 5 MHz	QPSK	1.2952	Hz
MIDDLE	LTE 5 MHz	16QAM	-768.4	mHz
MIDDLE	LTE 5 MHz	64QAM	-595.3	mHz
MIDDLE	LTE 5 MHz	256QAM	586.83	mHz
TOP	LTE 5 MHz	QPSK	603	mHz
TOP	LTE 5 MHz	16QAM	548	mHz
TOP	LTE 5 MHz	64QAM	-999	mHz
TOP	LTE 5 MHz	256QAM	-1.497	Hz
BOTTOM	LTE 10 MHz	QPSK	1.5531	Hz
BOTTOM	LTE 10 MHz	16QAM	1.3232	Hz
BOTTOM	LTE 10 MHz	64QAM	65.78	mHz
BOTTOM	LTE 10 MHz	256QAM	522.35	mHz
MIDDLE	LTE 10 MHz	QPSK	-138.32	mHz
MIDDLE	LTE 10 MHz	16QAM	745.41	mHz
MIDDLE	LTE 10 MHz	64QAM	-881.19	mHz
MIDDLE	LTE 10 MHz	256QAM	225.79	mHz
TOP	LTE 10 MHz	QPSK	743	mHz
TOP	LTE 10 MHz	16QAM	-1.052	Hz
TOP	LTE 10 MHz	64QAM	-347	mHz
TOP	LTE 10 MHz	256QAM	-1.383	Hz
BOTTOM	LTE 15 MHz	QPSK	-1.3621	Hz
BOTTOM	LTE 15 MHz	16QAM	-1.2708	Hz
BOTTOM	LTE 15 MHz	64QAM	-1.802	Hz
BOTTOM	LTE 15 MHz	256QAM	1.0568	Hz
MIDDLE	LTE 15 MHz	QPSK	573.86	mHz
MIDDLE	LTE 15 MHz	16QAM	1.3256	Hz
MIDDLE	LTE 15 MHz	64QAM	-480.57	mHz
MIDDLE	LTE 15 MHz	256QAM	-699.52	mHz
TOP	LTE 15 MHz	QPSK	1.174	Hz
TOP	LTE 15 MHz	16QAM	-1.058	Hz
TOP	LTE 15 MHz	64QAM	-1.007	Hz
TOP	LTE 15 MHz	256QAM	777	mHz
BOTTOM	LTE 20 MHz	QPSK	-1.061	Hz
BOTTOM	LTE 20 MHz	16QAM	629	mHz
BOTTOM	LTE 20 MHz	64QAM	-290	mHz
BOTTOM	LTE 20 MHz	256QAM	-19	mHz
MIDDLE	LTE 20 MHz	QPSK	-336.38	mHz
MIDDLE	LTE 20 MHz	16QAM	630.18	mHz
MIDDLE	LTE 20 MHz	64QAM	-320.87	mHz
MIDDLE	LTE 20 MHz	256QAM	505.72	mHz
TOP	LTE 20 MHz	QPSK	-14	mHz
TOP	LTE 20 MHz	16QAM	220	mHz
TOP	LTE 20 MHz	64QAM	1.213	Hz
TOP	LTE 20 MHz	256QAM	-422	mHz



Temperature = 50°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	652	mHz
BOTTOM	LTE 5 MHz	16QAM	-661	mHz
BOTTOM	LTE 5 MHz	64QAM	-1.16	Hz
BOTTOM	LTE 5 MHz	256QAM	-1.328	Hz
MIDDLE	LTE 5 MHz	QPSK	1.254	Hz
MIDDLE	LTE 5 MHz	16QAM	-1.186	Hz
MIDDLE	LTE 5 MHz	64QAM	1.444	Hz
MIDDLE	LTE 5 MHz	256QAM	-105	mHz
TOP	LTE 5 MHz	QPSK	1.388	Hz
TOP	LTE 5 MHz	16QAM	-230	mHz
TOP	LTE 5 MHz	64QAM	1.211	Hz
TOP	LTE 5 MHz	256QAM	2	mHz
BOTTOM	LTE 10 MHz	QPSK	237	mHz
BOTTOM	LTE 10 MHz	16QAM	1.382	Hz
BOTTOM	LTE 10 MHz	64QAM	919	mHz
BOTTOM	LTE 10 MHz	256QAM	146	mHz
MIDDLE	LTE 10 MHz	QPSK	-963	mHz
MIDDLE	LTE 10 MHz	16QAM	264	mHz
MIDDLE	LTE 10 MHz	64QAM	222	mHz
MIDDLE	LTE 10 MHz	256QAM	-526	mHz
TOP	LTE 10 MHz	QPSK	974	mHz
TOP	LTE 10 MHz	16QAM	482	mHz
TOP	LTE 10 MHz	64QAM	-319	mHz
TOP	LTE 10 MHz	256QAM	-779	mHz
BOTTOM	LTE 15 MHz	QPSK	1.066	Hz
BOTTOM	LTE 15 MHz	16QAM	-801	mHz
BOTTOM	LTE 15 MHz	64QAM	-1.245	Hz
BOTTOM	LTE 15 MHz	256QAM	-1.056	Hz
MIDDLE	LTE 15 MHz	QPSK	-258	mHz
MIDDLE	LTE 15 MHz	16QAM	1.144	Hz
MIDDLE	LTE 15 MHz	64QAM	-520	mHz
MIDDLE	LTE 15 MHz	256QAM	-872	mHz
TOP	LTE 15 MHz	QPSK	-629	mHz
TOP	LTE 15 MHz	16QAM	474	mHz
TOP	LTE 15 MHz	64QAM	-324	mHz
TOP	LTE 15 MHz	256QAM	-887	mHz
BOTTOM	LTE 20 MHz	QPSK	-207	mHz
BOTTOM	LTE 20 MHz	16QAM	130	mHz
BOTTOM	LTE 20 MHz	64QAM	728	mHz
BOTTOM	LTE 20 MHz	256QAM	587	mHz
MIDDLE	LTE 20 MHz	QPSK	-980	mHz
MIDDLE	LTE 20 MHz	16QAM	-590	mHz
MIDDLE	LTE 20 MHz	64QAM	-505	mHz
MIDDLE	LTE 20 MHz	256QAM	473	mHz
TOP	LTE 20 MHz	QPSK	1.468	Hz
TOP	LTE 20 MHz	16QAM	1.2	Hz
TOP	LTE 20 MHz	64QAM	-1.454	Hz
TOP	LTE 20 MHz	256QAM	882	mHz



## RF PORT 2

Temperature = -30°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-487	mHz
BOTTOM	LTE 5 MHz	16QAM	646	mHz
BOTTOM	LTE 5 MHz	64QAM	-225	mHz
BOTTOM	LTE 5 MHz	256QAM	-1.401	Hz
MIDDLE	LTE 5 MHz	QPSK	-1.418	Hz
MIDDLE	LTE 5 MHz	16QAM	-335	mHz
MIDDLE	LTE 5 MHz	64QAM	1.336	Hz
MIDDLE	LTE 5 MHz	256QAM	-1.479	Hz
TOP	LTE 5 MHz	QPSK	411	mHz
TOP	LTE 5 MHz	16QAM	-8	mHz
TOP	LTE 5 MHz	64QAM	-371	mHz
TOP	LTE 5 MHz	256QAM	39	mHz
BOTTOM	LTE 10 MHz	QPSK	-1.283	Hz
BOTTOM	LTE 10 MHz	16QAM	-754	mHz
BOTTOM	LTE 10 MHz	64QAM	-1.146	Hz
BOTTOM	LTE 10 MHz	256QAM	418	mHz
MIDDLE	LTE 10 MHz	QPSK	1.218	Hz
MIDDLE	LTE 10 MHz	16QAM	-280	mHz
MIDDLE	LTE 10 MHz	64QAM	1.298	Hz
MIDDLE	LTE 10 MHz	256QAM	1.126	Hz
TOP	LTE 10 MHz	QPSK	-372	mHz
TOP	LTE 10 MHz	16QAM	662	mHz
TOP	LTE 10 MHz	64QAM	-668	mHz
TOP	LTE 10 MHz	256QAM	-385	mHz
BOTTOM	LTE 15 MHz	QPSK	1.423	Hz
BOTTOM	LTE 15 MHz	16QAM	535	mHz
BOTTOM	LTE 15 MHz	64QAM	132	mHz
BOTTOM	LTE 15 MHz	256QAM	-1.335	Hz
MIDDLE	LTE 15 MHz	QPSK	494	mHz
MIDDLE	LTE 15 MHz	16QAM	-876	mHz
MIDDLE	LTE 15 MHz	64QAM	-314	mHz
MIDDLE	LTE 15 MHz	256QAM	244	mHz
TOP	LTE 15 MHz	QPSK	-587	mHz
TOP	LTE 15 MHz	16QAM	658	mHz
TOP	LTE 15 MHz	64QAM	1.09	Hz
TOP	LTE 15 MHz	256QAM	-160	mHz
BOTTOM	LTE 20 MHz	QPSK	490	mHz
BOTTOM	LTE 20 MHz	16QAM	1.251	Hz
BOTTOM	LTE 20 MHz	64QAM	-1.375	Hz
BOTTOM	LTE 20 MHz	256QAM	1.496	Hz
MIDDLE	LTE 20 MHz	QPSK	-427	mHz
MIDDLE	LTE 20 MHz	16QAM	1.021	Hz
MIDDLE	LTE 20 MHz	64QAM	323	mHz
MIDDLE	LTE 20 MHz	256QAM	-45	mHz
TOP	LTE 20 MHz	QPSK	-383	mHz
TOP	LTE 20 MHz	16QAM	-1.412	Hz
TOP	LTE 20 MHz	64QAM	-620	mHz
TOP	LTE 20 MHz	256QAM	93	mHz



Temperature = -20°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-409	mHz
BOTTOM	LTE 5 MHz	16QAM	888	mHz
BOTTOM	LTE 5 MHz	64QAM	806	mHz
BOTTOM	LTE 5 MHz	256QAM	-1.268	Hz
MIDDLE	LTE 5 MHz	QPSK	-760	mHz
MIDDLE	LTE 5 MHz	16QAM	1.351	Hz
MIDDLE	LTE 5 MHz	64QAM	781	mHz
MIDDLE	LTE 5 MHz	256QAM	1.056	Hz
TOP	LTE 5 MHz	QPSK	88	mHz
TOP	LTE 5 MHz	16QAM	896	mHz
TOP	LTE 5 MHz	64QAM	1.337	Hz
TOP	LTE 5 MHz	256QAM	821	mHz
BOTTOM	LTE 10 MHz	QPSK	-219	mHz
BOTTOM	LTE 10 MHz	16QAM	-663	mHz
BOTTOM	LTE 10 MHz	64QAM	-858	mHz
BOTTOM	LTE 10 MHz	256QAM	359	mHz
MIDDLE	LTE 10 MHz	QPSK	-261	mHz
MIDDLE	LTE 10 MHz	16QAM	-634	mHz
MIDDLE	LTE 10 MHz	64QAM	-336	mHz
MIDDLE	LTE 10 MHz	256QAM	1.406	Hz
TOP	LTE 10 MHz	QPSK	1.137	Hz
TOP	LTE 10 MHz	16QAM	-148	mHz
TOP	LTE 10 MHz	64QAM	-1.082	Hz
TOP	LTE 10 MHz	256QAM	-740	mHz
BOTTOM	LTE 15 MHz	QPSK	437	mHz
BOTTOM	LTE 15 MHz	16QAM	37	mHz
BOTTOM	LTE 15 MHz	64QAM	-1.481	Hz
BOTTOM	LTE 15 MHz	256QAM	-888	mHz
MIDDLE	LTE 15 MHz	QPSK	1.245	Hz
MIDDLE	LTE 15 MHz	16QAM	213	mHz
MIDDLE	LTE 15 MHz	64QAM	-1.185	Hz
MIDDLE	LTE 15 MHz	256QAM	-1.499	Hz
TOP	LTE 15 MHz	QPSK	1.328	Hz
TOP	LTE 15 MHz	16QAM	-1.332	Hz
TOP	LTE 15 MHz	64QAM	665	mHz
TOP	LTE 15 MHz	256QAM	1.404	Hz
BOTTOM	LTE 20 MHz	QPSK	1.367	Hz
BOTTOM	LTE 20 MHz	16QAM	-376	mHz
BOTTOM	LTE 20 MHz	64QAM	628	mHz
BOTTOM	LTE 20 MHz	256QAM	-85	mHz
MIDDLE	LTE 20 MHz	QPSK	-1.139	Hz
MIDDLE	LTE 20 MHz	16QAM	1.299	Hz
MIDDLE	LTE 20 MHz	64QAM	-1.228	Hz
MIDDLE	LTE 20 MHz	256QAM	531	mHz
TOP	LTE 20 MHz	QPSK	-916	mHz
TOP	LTE 20 MHz	16QAM	299	mHz
TOP	LTE 20 MHz	64QAM	365	mHz
TOP	LTE 20 MHz	256QAM	-1.487	Hz



Temperature = -10°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-1.469	Hz
BOTTOM	LTE 5 MHz	16QAM	737	mHz
BOTTOM	LTE 5 MHz	64QAM	-1.106	Hz
BOTTOM	LTE 5 MHz	256QAM	79	mHz
MIDDLE	LTE 5 MHz	QPSK	1.629	Hz
MIDDLE	LTE 5 MHz	16QAM	-527.670	mHz
MIDDLE	LTE 5 MHz	64QAM	890.290	mHz
MIDDLE	LTE 5 MHz	256QAM	279.280	mHz
TOP	LTE 5 MHz	QPSK	1.395	Hz
TOP	LTE 5 MHz	16QAM	472	mHz
TOP	LTE 5 MHz	64QAM	-940	mHz
TOP	LTE 5 MHz	256QAM	1.213	Hz
BOTTOM	LTE 10 MHz	QPSK	838	mHz
BOTTOM	LTE 10 MHz	16QAM	66	mHz
BOTTOM	LTE 10 MHz	64QAM	-666	mHz
BOTTOM	LTE 10 MHz	256QAM	-87	mHz
MIDDLE	LTE 10 MHz	QPSK	1.934	Hz
MIDDLE	LTE 10 MHz	16QAM	-794.790	mHz
MIDDLE	LTE 10 MHz	64QAM	117.720	mHz
MIDDLE	LTE 10 MHz	256QAM	594.760	mHz
TOP	LTE 10 MHz	QPSK	431	mHz
TOP	LTE 10 MHz	16QAM	-779	mHz
TOP	LTE 10 MHz	64QAM	28	mHz
TOP	LTE 10 MHz	256QAM	-772	mHz
BOTTOM	LTE 15 MHz	QPSK	345	mHz
BOTTOM	LTE 15 MHz	16QAM	256	mHz
BOTTOM	LTE 15 MHz	64QAM	1.387	Hz
BOTTOM	LTE 15 MHz	256QAM	1.497	Hz
MIDDLE	LTE 15 MHz	QPSK	814.780	mHz
MIDDLE	LTE 15 MHz	16QAM	645.530	mHz
MIDDLE	LTE 15 MHz	64QAM	-143.430	mHz
MIDDLE	LTE 15 MHz	256QAM	484.440	mHz
TOP	LTE 15 MHz	QPSK	-1.367	Hz
TOP	LTE 15 MHz	16QAM	-413	mHz
TOP	LTE 15 MHz	64QAM	681	mHz
TOP	LTE 15 MHz	256QAM	-297	mHz
BOTTOM	LTE 20 MHz	QPSK	-975	mHz
BOTTOM	LTE 20 MHz	16QAM	-181	mHz
BOTTOM	LTE 20 MHz	64QAM	-748	mHz
BOTTOM	LTE 20 MHz	256QAM	566	mHz
MIDDLE	LTE 20 MHz	QPSK	-12.898	mHz
MIDDLE	LTE 20 MHz	16QAM	-1.054	Hz
MIDDLE	LTE 20 MHz	64QAM	113.780	mHz
MIDDLE	LTE 20 MHz	256QAM	518.750	mHz
TOP	LTE 20 MHz	QPSK	146	mHz
TOP	LTE 20 MHz	16QAM	778	mHz
TOP	LTE 20 MHz	64QAM	23	mHz
TOP	LTE 20 MHz	256QAM	540	mHz



Temperature = 0°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-1.098	Hz
BOTTOM	LTE 5 MHz	16QAM	-98	mHz
BOTTOM	LTE 5 MHz	64QAM	-1.263	Hz
BOTTOM	LTE 5 MHz	256QAM	-319	mHz
MIDDLE	LTE 5 MHz	QPSK	-1.017	Hz
MIDDLE	LTE 5 MHz	16QAM	-1.15	Hz
MIDDLE	LTE 5 MHz	64QAM	-667	mHz
MIDDLE	LTE 5 MHz	256QAM	-486	mHz
TOP	LTE 5 MHz	QPSK	-1.403	Hz
TOP	LTE 5 MHz	16QAM	-918	mHz
TOP	LTE 5 MHz	64QAM	-936	mHz
TOP	LTE 5 MHz	256QAM	936	mHz
BOTTOM	LTE 10 MHz	QPSK	-865	mHz
BOTTOM	LTE 10 MHz	16QAM	-385	mHz
BOTTOM	LTE 10 MHz	64QAM	758	mHz
BOTTOM	LTE 10 MHz	256QAM	-486	mHz
MIDDLE	LTE 10 MHz	QPSK	-890	mHz
MIDDLE	LTE 10 MHz	16QAM	837	mHz
MIDDLE	LTE 10 MHz	64QAM	-947	mHz
MIDDLE	LTE 10 MHz	256QAM	474	mHz
TOP	LTE 10 MHz	QPSK	-193	mHz
TOP	LTE 10 MHz	16QAM	-1.334	Hz
TOP	LTE 10 MHz	64QAM	-576	mHz
TOP	LTE 10 MHz	256QAM	783	mHz
BOTTOM	LTE 15 MHz	QPSK	-97	mHz
BOTTOM	LTE 15 MHz	16QAM	-1.207	Hz
BOTTOM	LTE 15 MHz	64QAM	758	mHz
BOTTOM	LTE 15 MHz	256QAM	-96	mHz
MIDDLE	LTE 15 MHz	QPSK	-853	mHz
MIDDLE	LTE 15 MHz	16QAM	1.471	Hz
MIDDLE	LTE 15 MHz	64QAM	-1.422	Hz
MIDDLE	LTE 15 MHz	256QAM	-528	mHz
TOP	LTE 15 MHz	QPSK	-931	mHz
TOP	LTE 15 MHz	16QAM	394	mHz
TOP	LTE 15 MHz	64QAM	-1.376	Hz
TOP	LTE 15 MHz	256QAM	9	mHz
BOTTOM	LTE 20 MHz	QPSK	703	mHz
BOTTOM	LTE 20 MHz	16QAM	-1.428	Hz
BOTTOM	LTE 20 MHz	64QAM	-994	mHz
BOTTOM	LTE 20 MHz	256QAM	-260	mHz
MIDDLE	LTE 20 MHz	QPSK	551	mHz
MIDDLE	LTE 20 MHz	16QAM	296	mHz
MIDDLE	LTE 20 MHz	64QAM	979	mHz
MIDDLE	LTE 20 MHz	256QAM	240	mHz
TOP	LTE 20 MHz	QPSK	-1.061	Hz
TOP	LTE 20 MHz	16QAM	-473	mHz
TOP	LTE 20 MHz	64QAM	803	mHz
TOP	LTE 20 MHz	256QAM	951	mHz



Temperature = 10°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-984	mHz
BOTTOM	LTE 5 MHz	16QAM	-420	mHz
BOTTOM	LTE 5 MHz	64QAM	1.164	Hz
BOTTOM	LTE 5 MHz	256QAM	647	mHz
MIDDLE	LTE 5 MHz	QPSK	1.335	Hz
MIDDLE	LTE 5 MHz	16QAM	-542	mHz
MIDDLE	LTE 5 MHz	64QAM	107	mHz
MIDDLE	LTE 5 MHz	256QAM	-1.072	Hz
TOP	LTE 5 MHz	QPSK	-322	mHz
TOP	LTE 5 MHz	16QAM	64	mHz
TOP	LTE 5 MHz	64QAM	1.11	Hz
TOP	LTE 5 MHz	256QAM	305	mHz
BOTTOM	LTE 10 MHz	QPSK	529	mHz
BOTTOM	LTE 10 MHz	16QAM	919	mHz
BOTTOM	LTE 10 MHz	64QAM	897	mHz
BOTTOM	LTE 10 MHz	256QAM	981	mHz
MIDDLE	LTE 10 MHz	QPSK	-1.087	Hz
MIDDLE	LTE 10 MHz	16QAM	-1.041	Hz
MIDDLE	LTE 10 MHz	64QAM	-1.018	Hz
MIDDLE	LTE 10 MHz	256QAM	1.249	Hz
TOP	LTE 10 MHz	QPSK	-1.011	Hz
TOP	LTE 10 MHz	16QAM	534	mHz
TOP	LTE 10 MHz	64QAM	224	mHz
TOP	LTE 10 MHz	256QAM	-1.416	Hz
BOTTOM	LTE 15 MHz	QPSK	-369	mHz
BOTTOM	LTE 15 MHz	16QAM	816	mHz
BOTTOM	LTE 15 MHz	64QAM	-932	mHz
BOTTOM	LTE 15 MHz	256QAM	-321	mHz
MIDDLE	LTE 15 MHz	QPSK	-389	mHz
MIDDLE	LTE 15 MHz	16QAM	1.243	Hz
MIDDLE	LTE 15 MHz	64QAM	291	mHz
MIDDLE	LTE 15 MHz	256QAM	-453	mHz
TOP	LTE 15 MHz	QPSK	-1.113	Hz
TOP	LTE 15 MHz	16QAM	304	mHz
TOP	LTE 15 MHz	64QAM	-1.457	Hz
TOP	LTE 15 MHz	256QAM	-468	mHz
BOTTOM	LTE 20 MHz	QPSK	925	mHz
BOTTOM	LTE 20 MHz	16QAM	421	mHz
BOTTOM	LTE 20 MHz	64QAM	1.228	Hz
BOTTOM	LTE 20 MHz	256QAM	1.061	Hz
MIDDLE	LTE 20 MHz	QPSK	1.375	Hz
MIDDLE	LTE 20 MHz	16QAM	-672	mHz
MIDDLE	LTE 20 MHz	64QAM	-207	mHz
MIDDLE	LTE 20 MHz	256QAM	-889	mHz
TOP	LTE 20 MHz	QPSK	-1.017	Hz
TOP	LTE 20 MHz	16QAM	317	mHz
TOP	LTE 20 MHz	64QAM	493	mHz
TOP	LTE 20 MHz	256QAM	1.489	Hz



Temperature = 20°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-546.63	mHz
BOTTOM	LTE 5 MHz	16QAM	332.49	mHz
BOTTOM	LTE 5 MHz	64QAM	-252.73	mHz
BOTTOM	LTE 5 MHz	256QAM	799.01	mHz
MIDDLE	LTE 5 MHz	QPSK	-154.09	mHz
MIDDLE	LTE 5 MHz	16QAM	-173.72	mHz
MIDDLE	LTE 5 MHz	64QAM	-736.05	mHz
MIDDLE	LTE 5 MHz	256QAM	-316.26	mHz
TOP	LTE 5 MHz	QPSK	-999.69	mHz
TOP	LTE 5 MHz	16QAM	843.89	mHz
TOP	LTE 5 MHz	64QAM	-221.26	mHz
TOP	LTE 5 MHz	256QAM	651.13	mHz
BOTTOM	LTE 10 MHz	QPSK	734.34	mHz
BOTTOM	LTE 10 MHz	16QAM	-82.978	mHz
BOTTOM	LTE 10 MHz	64QAM	-395.06	mHz
BOTTOM	LTE 10 MHz	256QAM	-803.62	mHz
MIDDLE	LTE 10 MHz	QPSK	729.05	mHz
MIDDLE	LTE 10 MHz	16QAM	963.23	mHz
MIDDLE	LTE 10 MHz	64QAM	-264.88	mHz
MIDDLE	LTE 10 MHz	256QAM	-425.32	mHz
TOP	LTE 10 MHz	QPSK	-963.28	mHz
TOP	LTE 10 MHz	16QAM	-554.93	mHz
TOP	LTE 10 MHz	64QAM	-236.52	mHz
TOP	LTE 10 MHz	256QAM	-398.9	mHz
BOTTOM	LTE 15 MHz	QPSK	254.08	mHz
BOTTOM	LTE 15 MHz	16QAM	-92.849	mHz
BOTTOM	LTE 15 MHz	64QAM	-668.03	mHz
BOTTOM	LTE 15 MHz	256QAM	-281.68	mHz
MIDDLE	LTE 15 MHz	QPSK	-588.45	mHz
MIDDLE	LTE 15 MHz	16QAM	-316.93	mHz
MIDDLE	LTE 15 MHz	64QAM	297.33	mHz
MIDDLE	LTE 15 MHz	256QAM	-537.66	mHz
TOP	LTE 15 MHz	QPSK	-546.73	mHz
TOP	LTE 15 MHz	16QAM	-734.59	mHz
TOP	LTE 15 MHz	64QAM	616.74	mHz
TOP	LTE 15 MHz	256QAM	-168.47	mHz
BOTTOM	LTE 20 MHz	QPSK	567.67	mHz
BOTTOM	LTE 20 MHz	16QAM	562.25	mHz
BOTTOM	LTE 20 MHz	64QAM	-33.02	mHz
BOTTOM	LTE 20 MHz	256QAM	-955.69	mHz
MIDDLE	LTE 20 MHz	QPSK	-34.415	mHz
MIDDLE	LTE 20 MHz	16QAM	-983.19	mHz
MIDDLE	LTE 20 MHz	64QAM	-454.12	mHz
MIDDLE	LTE 20 MHz	256QAM	387.61	mHz
TOP	LTE 20 MHz	QPSK	341.64	mHz
TOP	LTE 20 MHz	16QAM	449.5	mHz
TOP	LTE 20 MHz	64QAM	-355.86	mHz
TOP	LTE 20 MHz	256QAM	880.44	mHz



Temperature = 30°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-1.125	Hz
BOTTOM	LTE 5 MHz	16QAM	9	mHz
BOTTOM	LTE 5 MHz	64QAM	-442	mHz
BOTTOM	LTE 5 MHz	256QAM	-198	mHz
MIDDLE	LTE 5 MHz	QPSK	144.940	mHz
MIDDLE	LTE 5 MHz	16QAM	745.460	mHz
MIDDLE	LTE 5 MHz	64QAM	-2.845	Hz
MIDDLE	LTE 5 MHz	256QAM	-1.128	Hz
TOP	LTE 5 MHz	QPSK	300	mHz
TOP	LTE 5 MHz	16QAM	1.354	Hz
TOP	LTE 5 MHz	64QAM	738	mHz
TOP	LTE 5 MHz	256QAM	97	mHz
BOTTOM	LTE 10 MHz	QPSK	-993	mHz
BOTTOM	LTE 10 MHz	16QAM	989	mHz
BOTTOM	LTE 10 MHz	64QAM	-397	mHz
BOTTOM	LTE 10 MHz	256QAM	-1.031	Hz
MIDDLE	LTE 10 MHz	QPSK	134.390	mHz
MIDDLE	LTE 10 MHz	16QAM	-212.870	mHz
MIDDLE	LTE 10 MHz	64QAM	483.880	mHz
MIDDLE	LTE 10 MHz	256QAM	385.280	mHz
TOP	LTE 10 MHz	QPSK	-231	mHz
TOP	LTE 10 MHz	16QAM	1.418	Hz
TOP	LTE 10 MHz	64QAM	1.356	Hz
TOP	LTE 10 MHz	256QAM	-1.273	Hz
BOTTOM	LTE 15 MHz	QPSK	-782	mHz
BOTTOM	LTE 15 MHz	16QAM	563	mHz
BOTTOM	LTE 15 MHz	64QAM	1.018	Hz
BOTTOM	LTE 15 MHz	256QAM	-756	mHz
MIDDLE	LTE 15 MHz	QPSK	-820.770	mHz
MIDDLE	LTE 15 MHz	16QAM	813.460	mHz
MIDDLE	LTE 15 MHz	64QAM	494.100	mHz
MIDDLE	LTE 15 MHz	256QAM	-399.980	mHz
TOP	LTE 15 MHz	QPSK	643	mHz
TOP	LTE 15 MHz	16QAM	-893	mHz
TOP	LTE 15 MHz	64QAM	-7	mHz
TOP	LTE 15 MHz	256QAM	-422	mHz
BOTTOM	LTE 20 MHz	QPSK	1.105	Hz
BOTTOM	LTE 20 MHz	16QAM	1.413	Hz
BOTTOM	LTE 20 MHz	64QAM	1.481	Hz
BOTTOM	LTE 20 MHz	256QAM	790	mHz
MIDDLE	LTE 20 MHz	QPSK	874.880	mHz
MIDDLE	LTE 20 MHz	16QAM	507.170	mHz
MIDDLE	LTE 20 MHz	64QAM	6.087	Hz
MIDDLE	LTE 20 MHz	256QAM	800.810	mHz
TOP	LTE 20 MHz	QPSK	1.104	Hz
TOP	LTE 20 MHz	16QAM	970	mHz
TOP	LTE 20 MHz	64QAM	-1.105	Hz
TOP	LTE 20 MHz	256QAM	-410	mHz



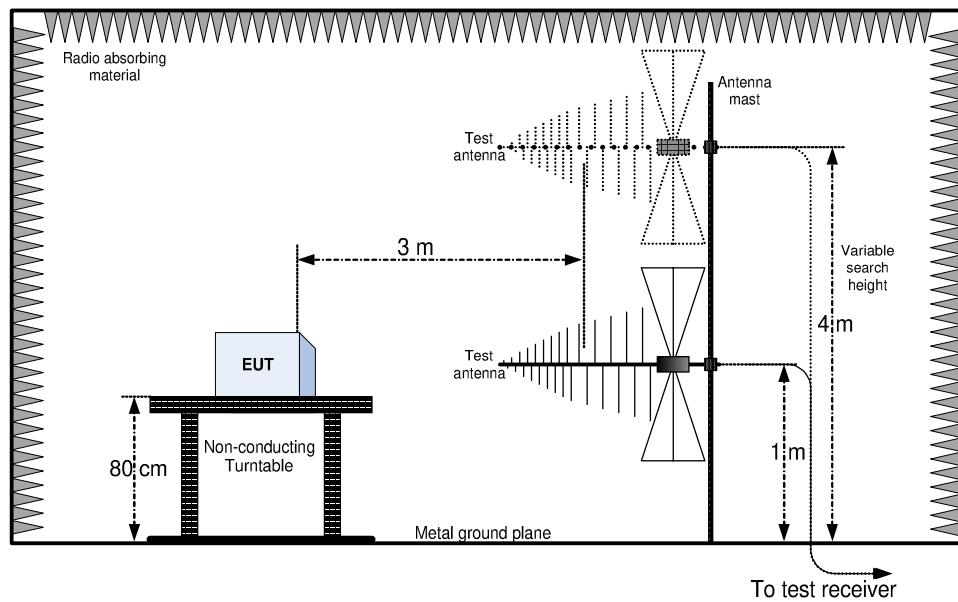
Temperature = 40°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-116	mHz
BOTTOM	LTE 5 MHz	16QAM	-174	mHz
BOTTOM	LTE 5 MHz	64QAM	1.074	Hz
BOTTOM	LTE 5 MHz	256QAM	-1.498	Hz
MIDDLE	LTE 5 MHz	QPSK	595.900	mHz
MIDDLE	LTE 5 MHz	16QAM	-180.670	mHz
MIDDLE	LTE 5 MHz	64QAM	983.520	mHz
MIDDLE	LTE 5 MHz	256QAM	-557.020	mHz
TOP	LTE 5 MHz	QPSK	1.498	Hz
TOP	LTE 5 MHz	16QAM	-1.456	Hz
TOP	LTE 5 MHz	64QAM	-500	mHz
TOP	LTE 5 MHz	256QAM	-812	mHz
BOTTOM	LTE 10 MHz	QPSK	-1.078	Hz
BOTTOM	LTE 10 MHz	16QAM	364	mHz
BOTTOM	LTE 10 MHz	64QAM	1.082	Hz
BOTTOM	LTE 10 MHz	256QAM	-1.186	Hz
MIDDLE	LTE 10 MHz	QPSK	350.900	mHz
MIDDLE	LTE 10 MHz	16QAM	91.343	mHz
MIDDLE	LTE 10 MHz	64QAM	521.120	mHz
MIDDLE	LTE 10 MHz	256QAM	100.480	mHz
TOP	LTE 10 MHz	QPSK	-980	mHz
TOP	LTE 10 MHz	16QAM	899	mHz
TOP	LTE 10 MHz	64QAM	573	mHz
TOP	LTE 10 MHz	256QAM	277	mHz
BOTTOM	LTE 15 MHz	QPSK	1.449	Hz
BOTTOM	LTE 15 MHz	16QAM	1.083	Hz
BOTTOM	LTE 15 MHz	64QAM	496	mHz
BOTTOM	LTE 15 MHz	256QAM	-589	mHz
MIDDLE	LTE 15 MHz	QPSK	477.380	mHz
MIDDLE	LTE 15 MHz	16QAM	688.840	mHz
MIDDLE	LTE 15 MHz	64QAM	-553.460	mHz
MIDDLE	LTE 15 MHz	256QAM	309.630	mHz
TOP	LTE 15 MHz	QPSK	459	mHz
TOP	LTE 15 MHz	16QAM	-1.295	Hz
TOP	LTE 15 MHz	64QAM	-1.492	Hz
TOP	LTE 15 MHz	256QAM	-1.38	Hz
BOTTOM	LTE 20 MHz	QPSK	-1.323	Hz
BOTTOM	LTE 20 MHz	16QAM	-604	mHz
BOTTOM	LTE 20 MHz	64QAM	553	mHz
BOTTOM	LTE 20 MHz	256QAM	-1.072	Hz
MIDDLE	LTE 20 MHz	QPSK	-456.360	mHz
MIDDLE	LTE 20 MHz	16QAM	199.670	mHz
MIDDLE	LTE 20 MHz	64QAM	-656.540	mHz
MIDDLE	LTE 20 MHz	256QAM	267.810	mHz
TOP	LTE 20 MHz	QPSK	1.251	Hz
TOP	LTE 20 MHz	16QAM	5	mHz
TOP	LTE 20 MHz	64QAM	332	mHz
TOP	LTE 20 MHz	256QAM	-65	mHz



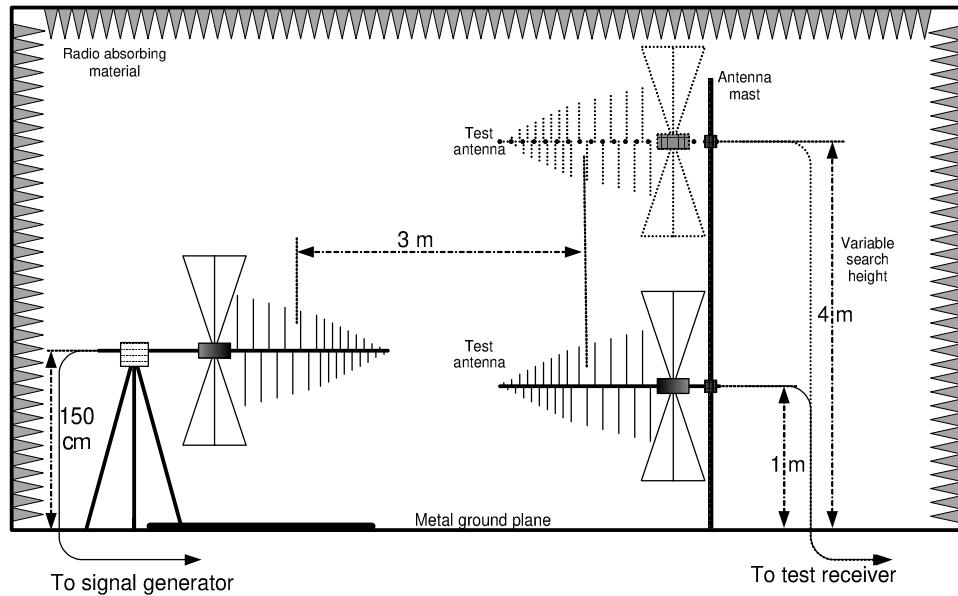
Temperature = 50°C				
Channel	Signal	Modulation	Frequency Error	
BOTTOM	LTE 5 MHz	QPSK	-778	mHz
BOTTOM	LTE 5 MHz	16QAM	-1.357	Hz
BOTTOM	LTE 5 MHz	64QAM	1.115	Hz
BOTTOM	LTE 5 MHz	256QAM	395	mHz
MIDDLE	LTE 5 MHz	QPSK	-633	mHz
MIDDLE	LTE 5 MHz	16QAM	212	mHz
MIDDLE	LTE 5 MHz	64QAM	1.173	Hz
MIDDLE	LTE 5 MHz	256QAM	925	mHz
TOP	LTE 5 MHz	QPSK	-970	mHz
TOP	LTE 5 MHz	16QAM	859	mHz
TOP	LTE 5 MHz	64QAM	-894	mHz
TOP	LTE 5 MHz	256QAM	671	mHz
BOTTOM	LTE 10 MHz	QPSK	-865	mHz
BOTTOM	LTE 10 MHz	16QAM	-695	mHz
BOTTOM	LTE 10 MHz	64QAM	744	mHz
BOTTOM	LTE 10 MHz	256QAM	1.093	Hz
MIDDLE	LTE 10 MHz	QPSK	843	mHz
MIDDLE	LTE 10 MHz	16QAM	-9	mHz
MIDDLE	LTE 10 MHz	64QAM	-1.056	Hz
MIDDLE	LTE 10 MHz	256QAM	-1.447	Hz
TOP	LTE 10 MHz	QPSK	-768	mHz
TOP	LTE 10 MHz	16QAM	-84	mHz
TOP	LTE 10 MHz	64QAM	-367	mHz
TOP	LTE 10 MHz	256QAM	-1.116	Hz
BOTTOM	LTE 15 MHz	QPSK	-1.197	Hz
BOTTOM	LTE 15 MHz	16QAM	-122	mHz
BOTTOM	LTE 15 MHz	64QAM	-1.079	Hz
BOTTOM	LTE 15 MHz	256QAM	794	mHz
MIDDLE	LTE 15 MHz	QPSK	-1.081	Hz
MIDDLE	LTE 15 MHz	16QAM	259	mHz
MIDDLE	LTE 15 MHz	64QAM	1.114	Hz
MIDDLE	LTE 15 MHz	256QAM	70	mHz
TOP	LTE 15 MHz	QPSK	624	mHz
TOP	LTE 15 MHz	16QAM	-234	mHz
TOP	LTE 15 MHz	64QAM	-544	mHz
TOP	LTE 15 MHz	256QAM	-905	mHz
BOTTOM	LTE 20 MHz	QPSK	1.244	Hz
BOTTOM	LTE 20 MHz	16QAM	-909	mHz
BOTTOM	LTE 20 MHz	64QAM	-487	mHz
BOTTOM	LTE 20 MHz	256QAM	-941	mHz
MIDDLE	LTE 20 MHz	QPSK	617	mHz
MIDDLE	LTE 20 MHz	16QAM	-1.384	Hz
MIDDLE	LTE 20 MHz	64QAM	-163	mHz
MIDDLE	LTE 20 MHz	256QAM	-444	mHz
TOP	LTE 20 MHz	QPSK	-1.2	Hz
TOP	LTE 20 MHz	16QAM	1.263	Hz
TOP	LTE 20 MHz	64QAM	-14	mHz
TOP	LTE 20 MHz	256QAM	749	mHz

## Appendix B: Block diagrams of test set-ups

### Radiated emissions set-up



### Substitution method set-up



## Appendix C: EUT Photos

### Photo Set up

