

6.2.1.1.2.3 Test Channel = HCH

6.2.1.1.2.3.1 Test RB = RB1#0



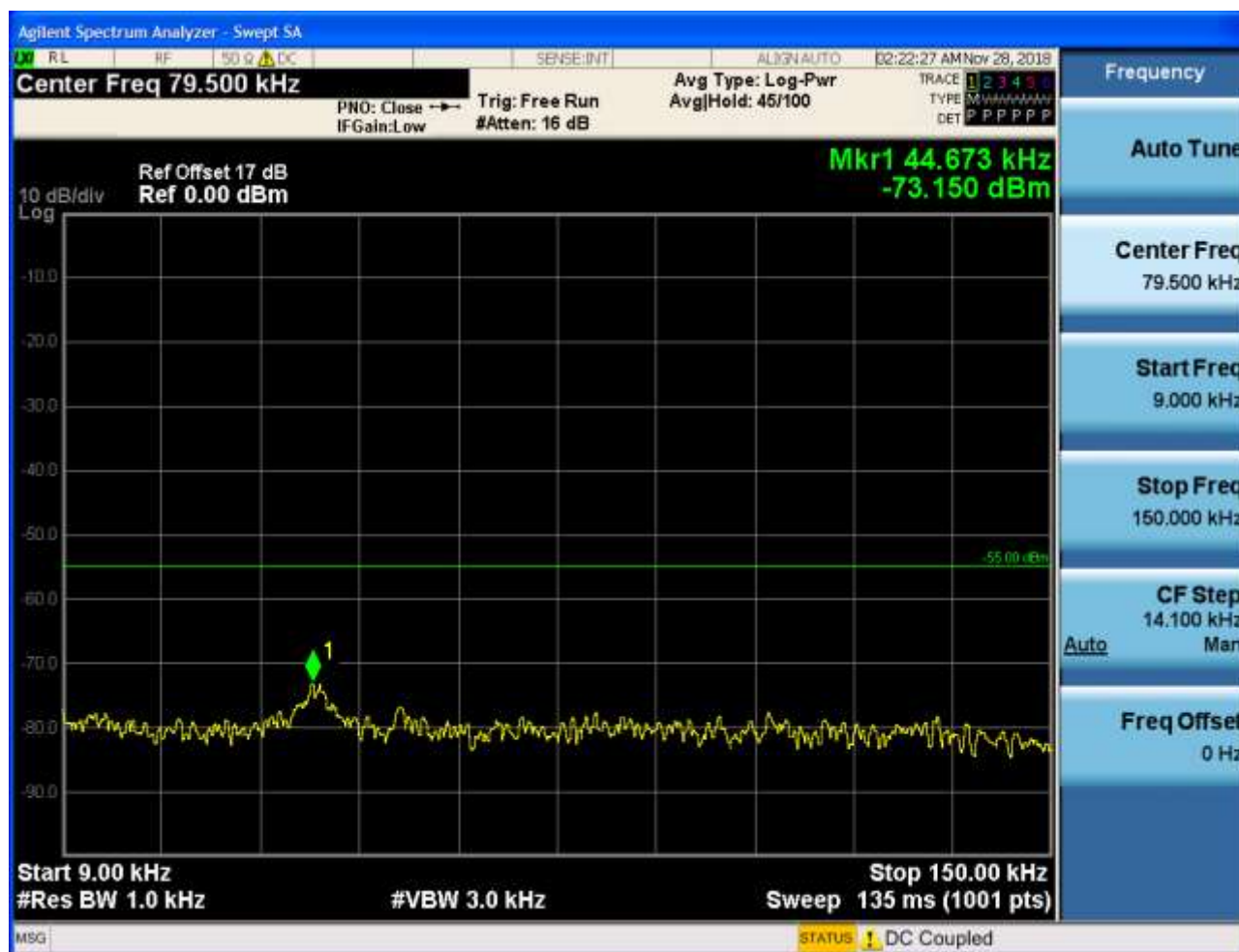




6.2.1.1.3 Test Bandwidth = 15

6.2.1.1.3.1 Test Channel = LCH

6.2.1.1.3.1.1 Test RB = RB1#0



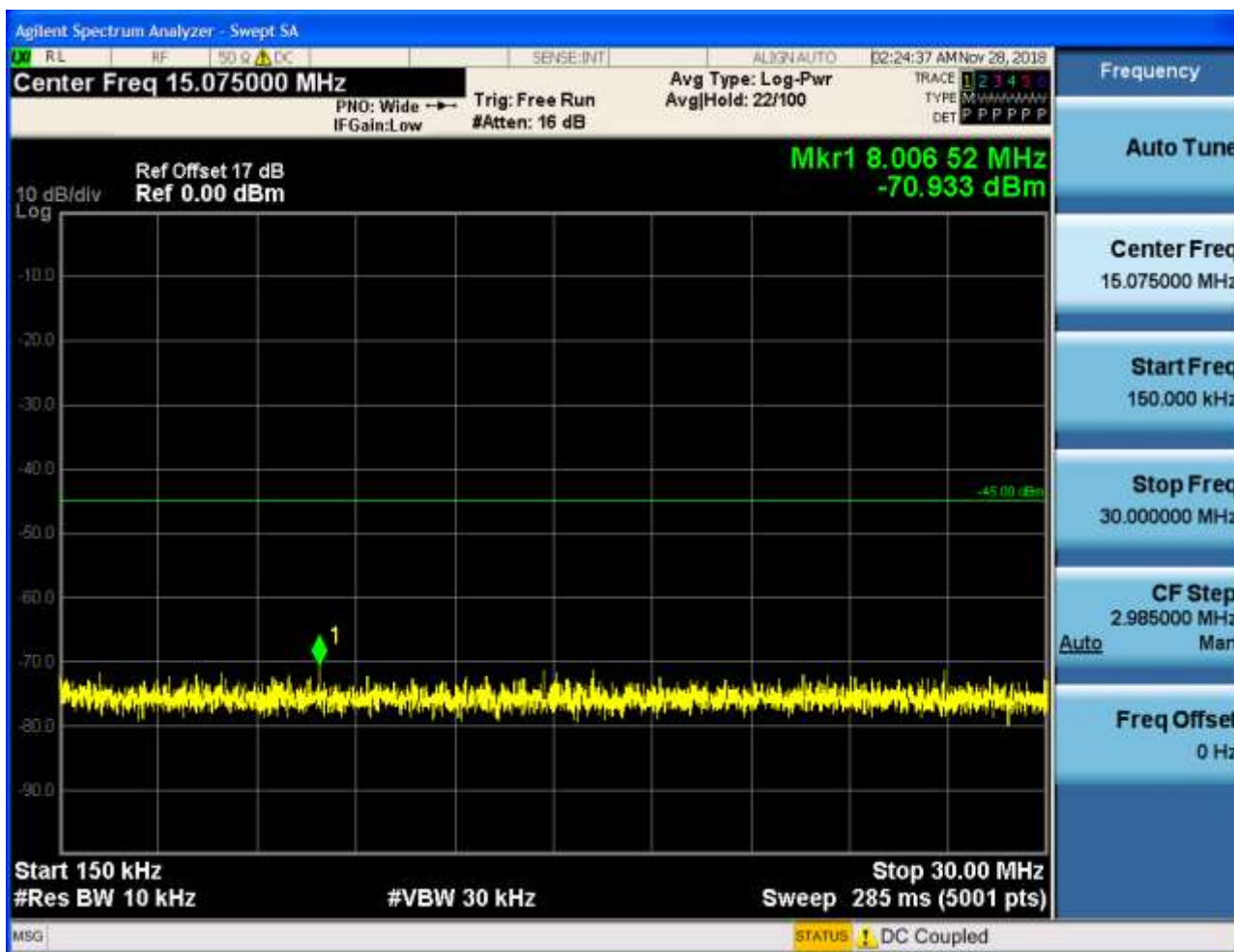




6.2.1.1.3.2 Test Channel = MCH

6.2.1.1.3.2.1 Test RB = RB1#0







6.2.1.1.3.3 Test Channel = HCH

6.2.1.1.3.3.1 Test RB = RB1#0







6.2.1.1.4 Test Bandwidth = 20

6.2.1.1.4.1 Test Channel = LCH

6.2.1.1.4.1.1 Test RB = RB1#0







6.2.1.1.4.2 Test Channel = MCH

6.2.1.1.4.2.1 Test RB = RB1#0







6.2.1.1.4.3 Test Channel = HCH

6.2.1.1.4.3.1 Test RB = RB1#0







6.2.1.2 Test Mode = LTE/TM2

6.2.1.2.1 Test Bandwidth = 5

6.2.1.2.1.1 Test Channel = LCH

6.2.1.2.1.1.1 Test RB = RB1#0







6.2.1.2.1.2 Test Channel = MCH

6.2.1.2.1.2.1 Test RB = RB1#0







6.2.1.2.1.3 Test Channel = HCH

6.2.1.2.1.3.1 Test RB = RB1#0







6.2.1.2.2 Test Bandwidth = 10

6.2.1.2.2.1 Test Channel = LCH

6.2.1.2.2.1.1 Test RB = RB1#0







6.2.1.2.2.2 Test Channel = MCH

6.2.1.2.2.2.1 Test RB = RB1#0







6.2.1.2.2.3 Test Channel = HCH

6.2.1.2.2.3.1 Test RB = RB1#0



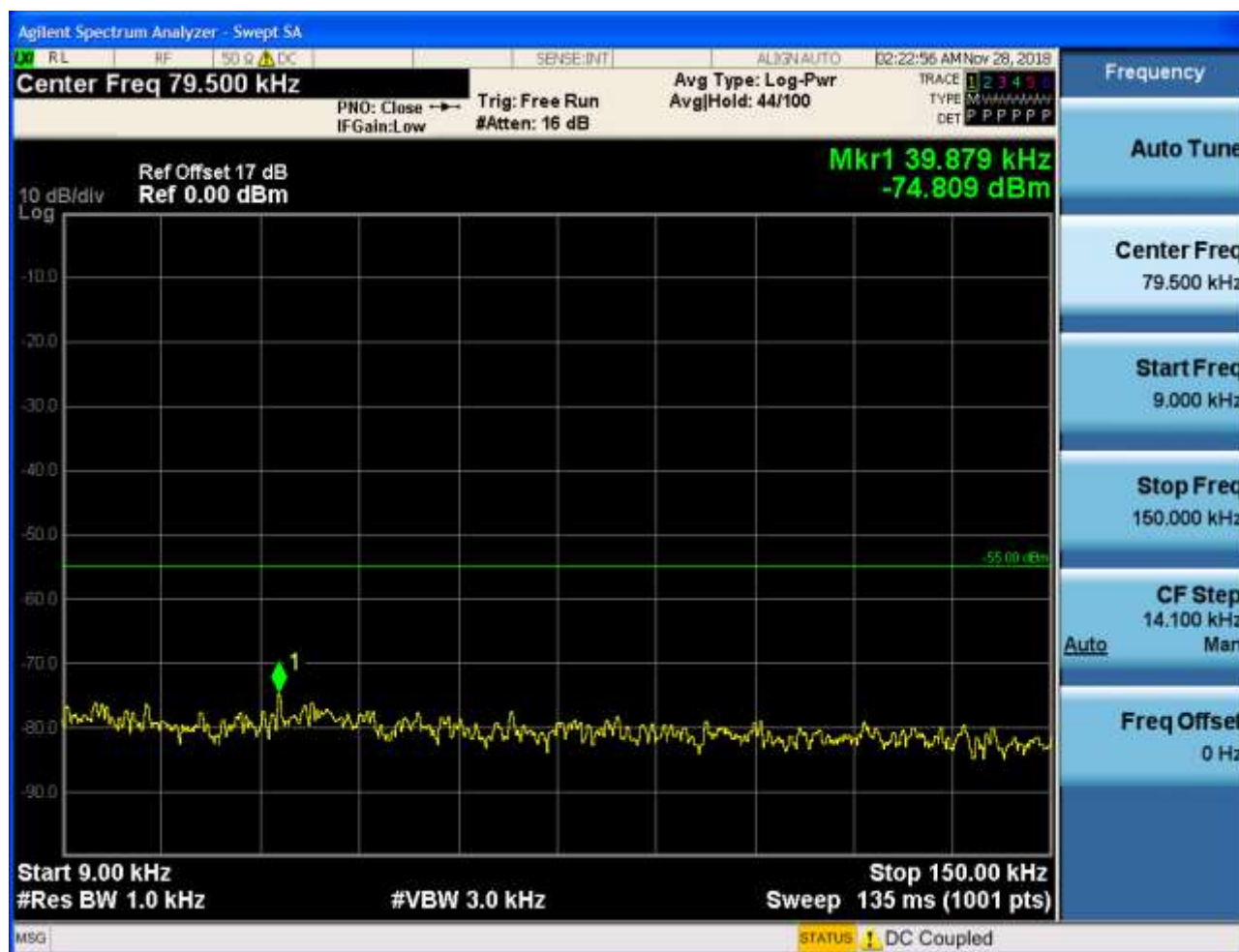




6.2.1.2.3 Test Bandwidth = 15

6.2.1.2.3.1 Test Channel = LCH

6.2.1.2.3.1.1 Test RB = RB1#0



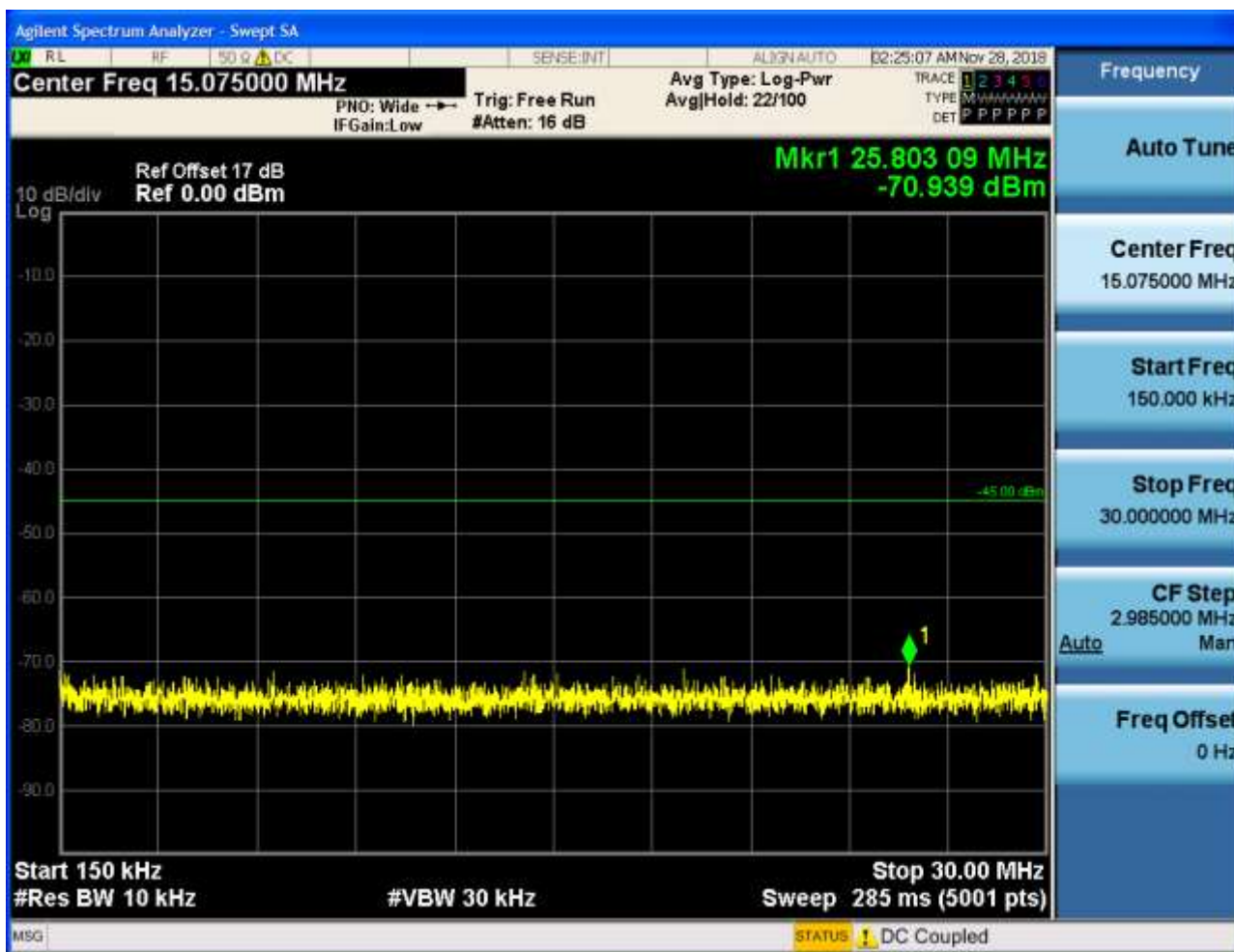




6.2.1.2.3.2 Test Channel = MCH

6.2.1.2.3.2.1 Test RB = RB1#0







6.2.1.2.3.3 Test Channel = HCH

6.2.1.2.3.3.1 Test RB = RB1#0





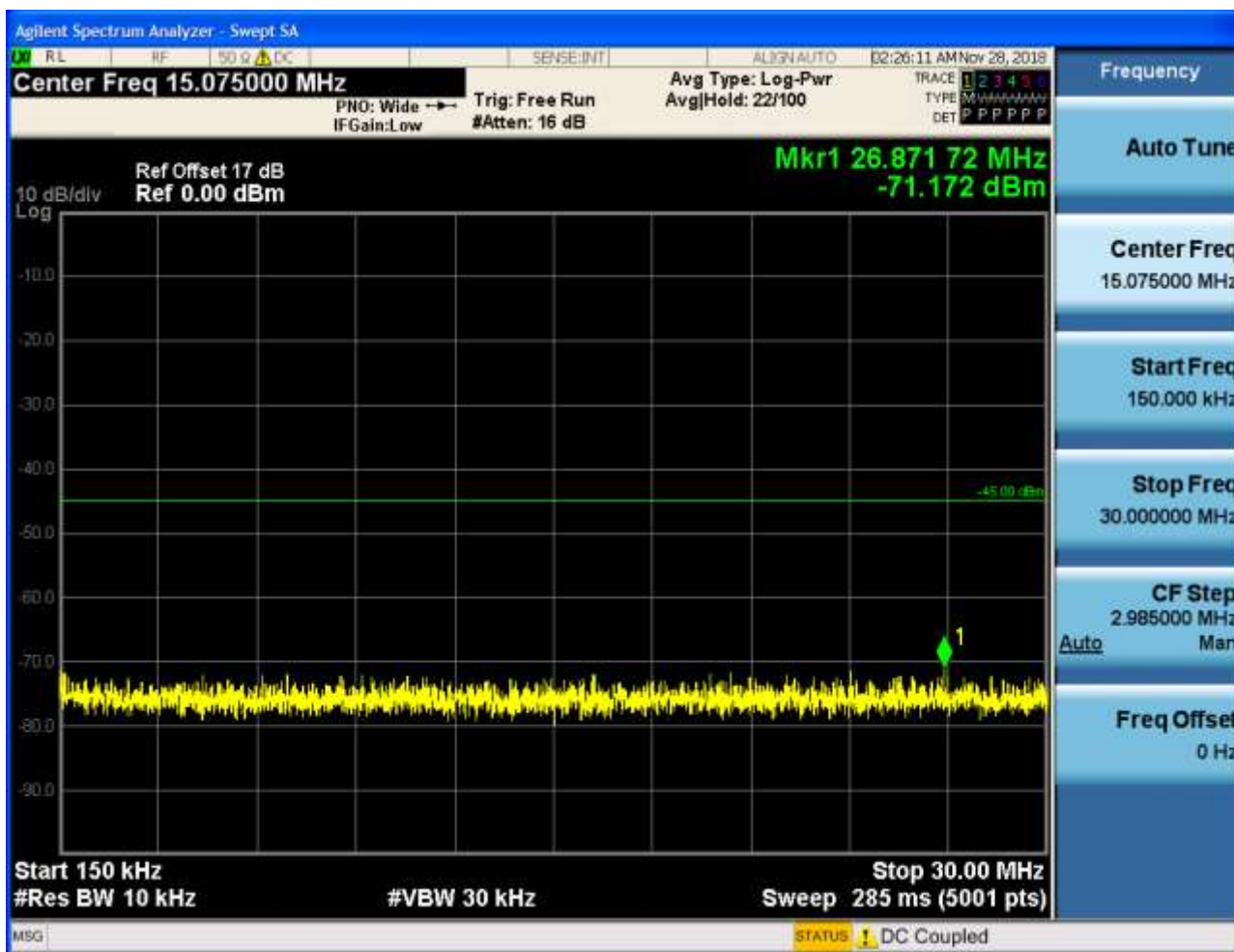


6.2.1.2.4 Test Bandwidth = 20

6.2.1.2.4.1 Test Channel = LCH

6.2.1.2.4.1.1 Test RB = RB1#0

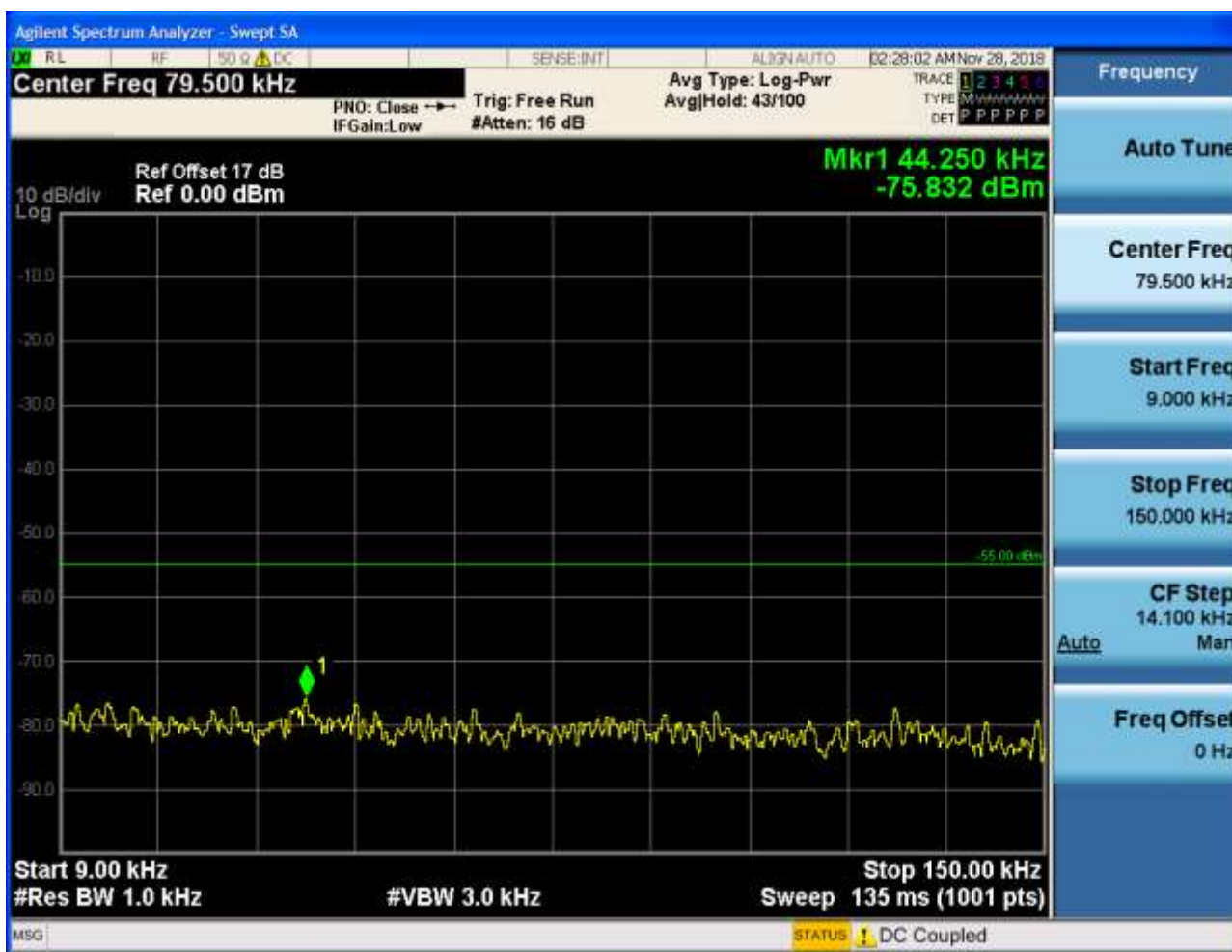


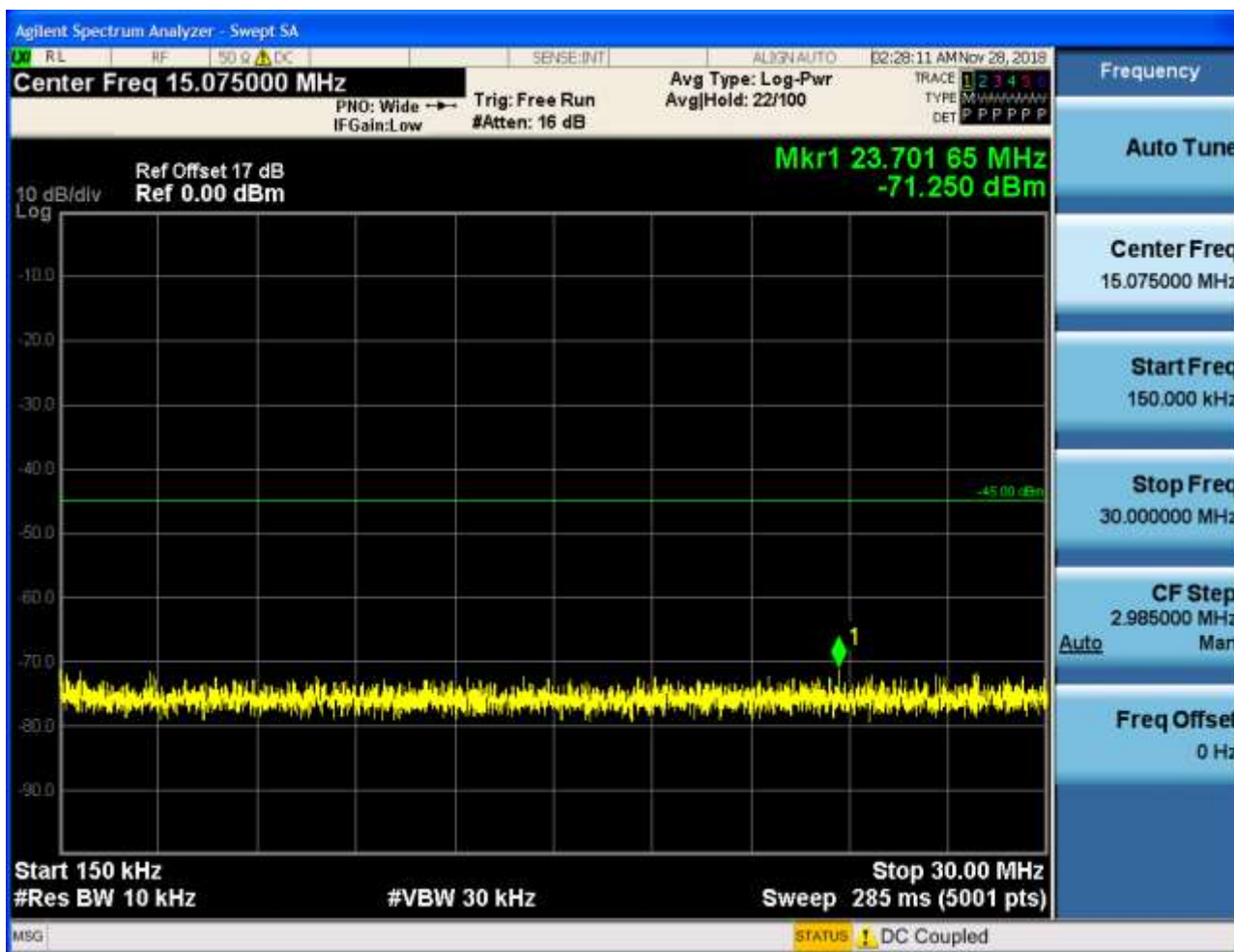




6.2.1.2.4.2 Test Channel = MCH

6.2.1.2.4.2.1 Test RB = RB1#0







6.2.1.2.4.3 Test Channel = HCH

6.2.1.2.4.3.1 Test RB = RB1#0







7Appendix_G: Field Strength of Spurious Radiation

Note: We tested all modes, but the data presented below is the worst case.

9kHz~150kHz, RBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, RBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

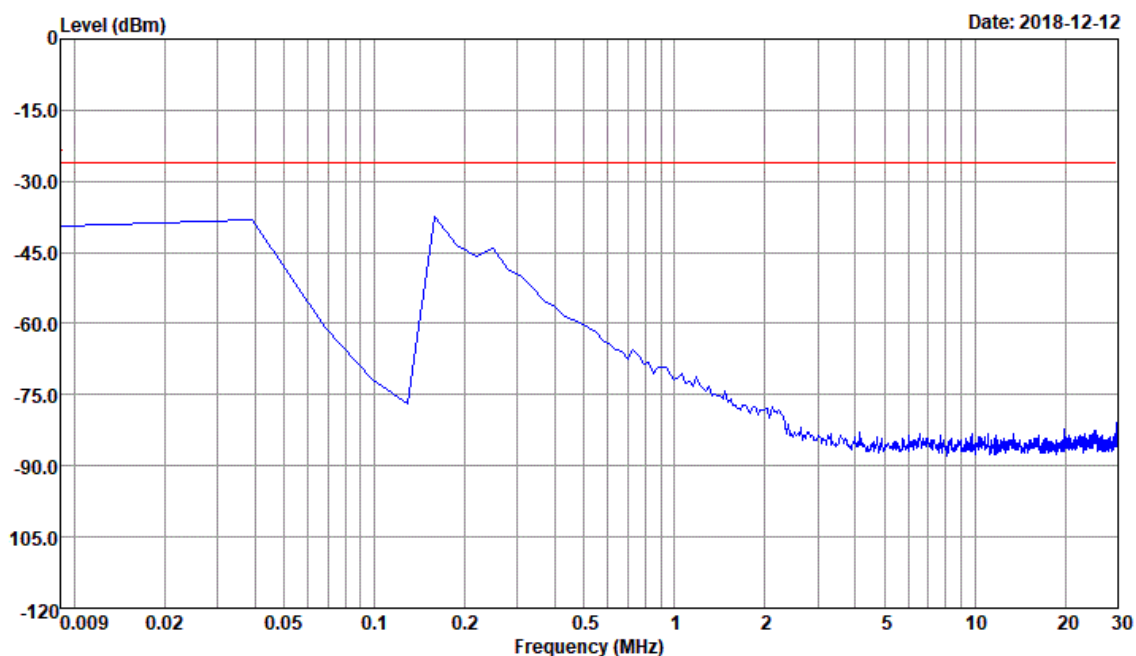
7.1 For LTE

7.1.1 Test Band = Band7_ANT1

7.1.1.1 Test Bandwidth = 5

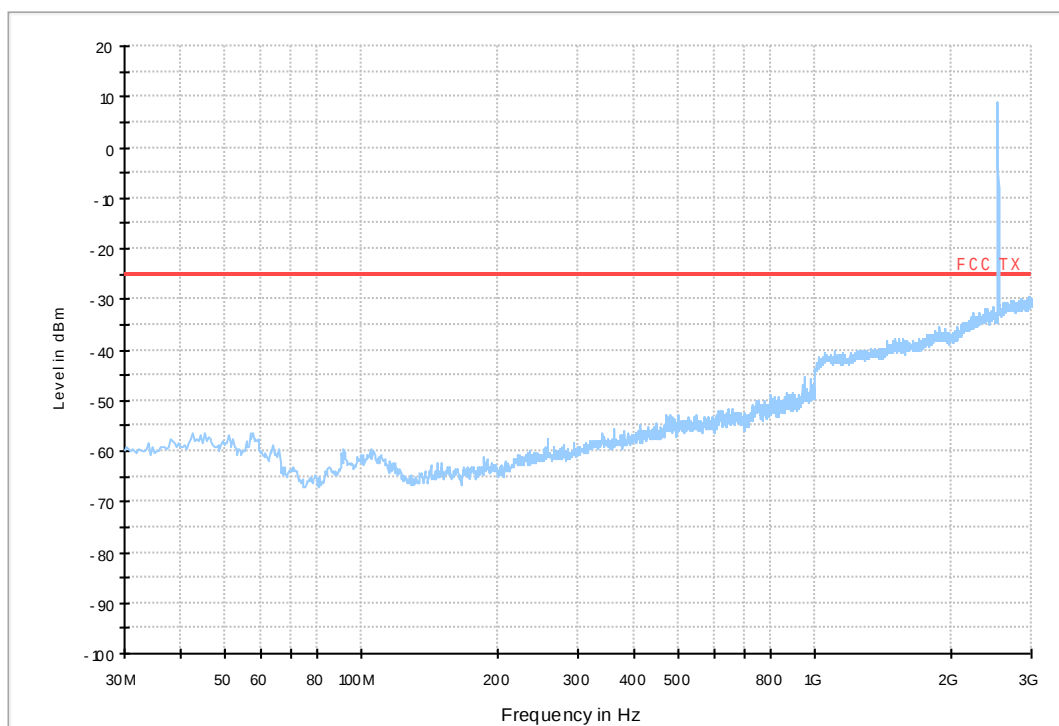


Data: 78

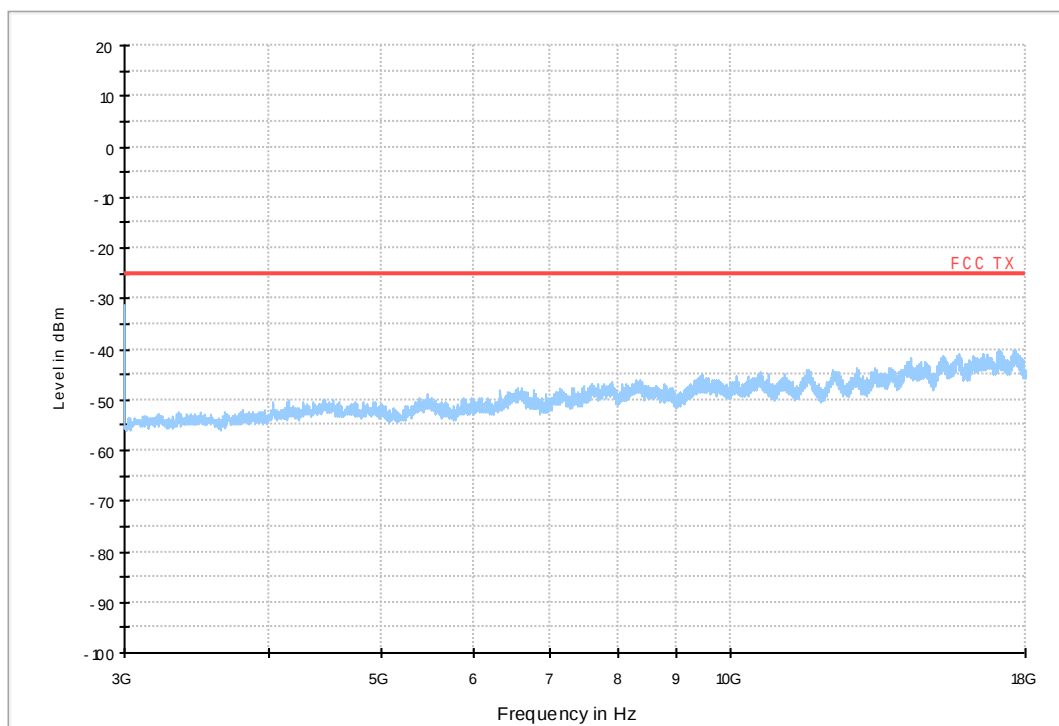


Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

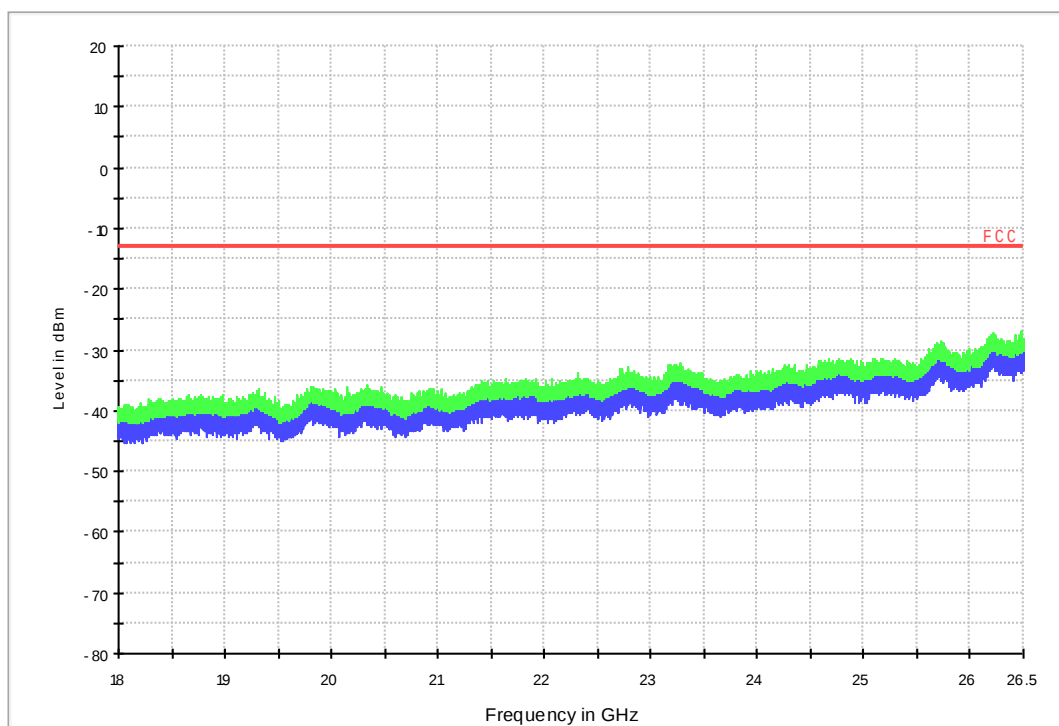
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



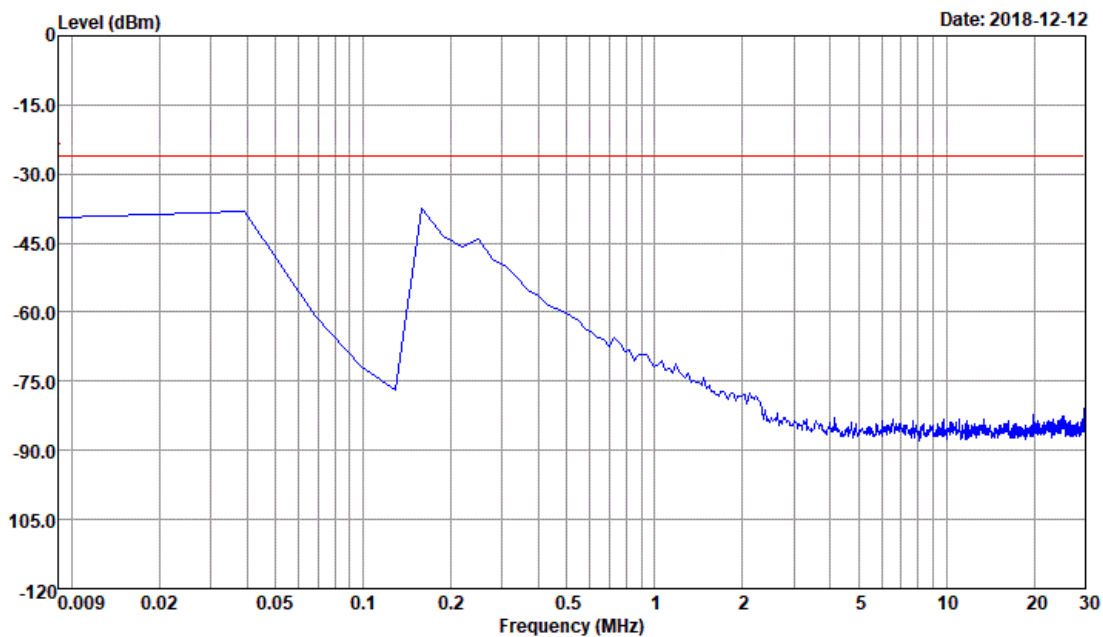
18G~26.5G R SE-T X-DIRECT OR ABOVE 1.5G PK



7.1.1.2 Test Bandwidth = 20

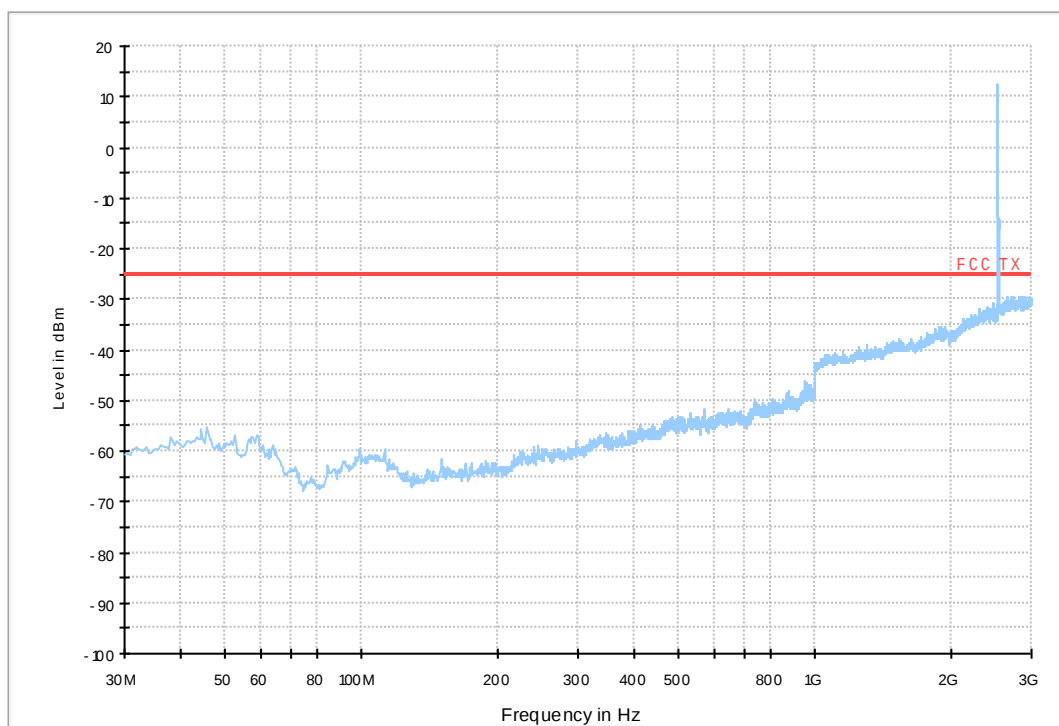


Data: 78

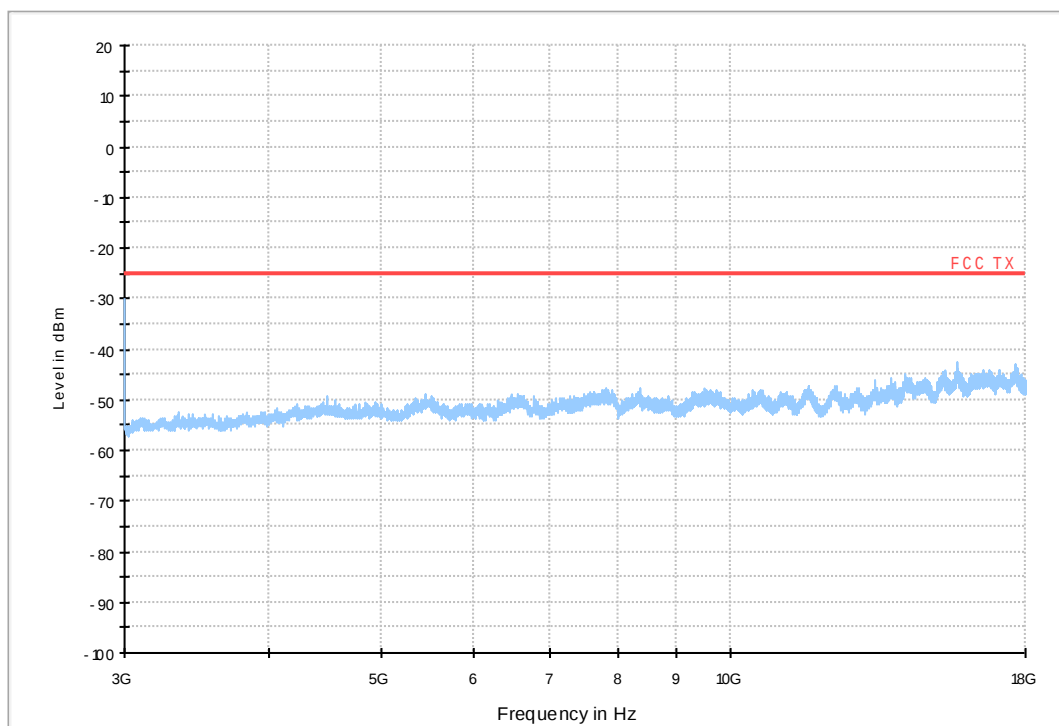


Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

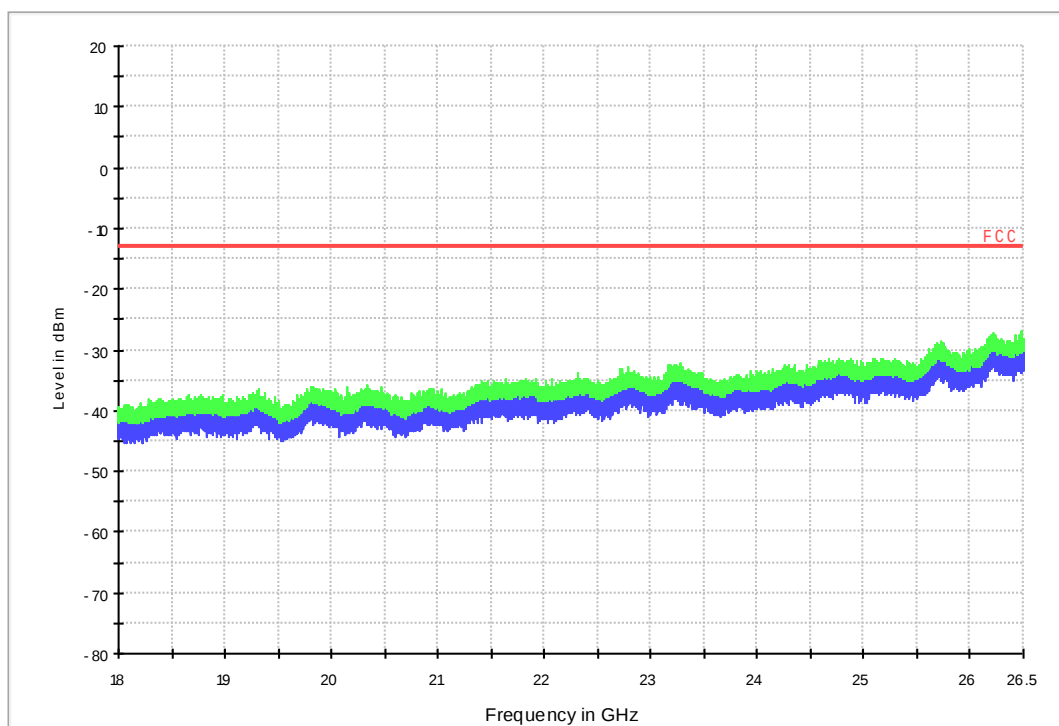
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



18G~26.5G R SE-T X-DIRECT OR ABOVE 1.5G PK



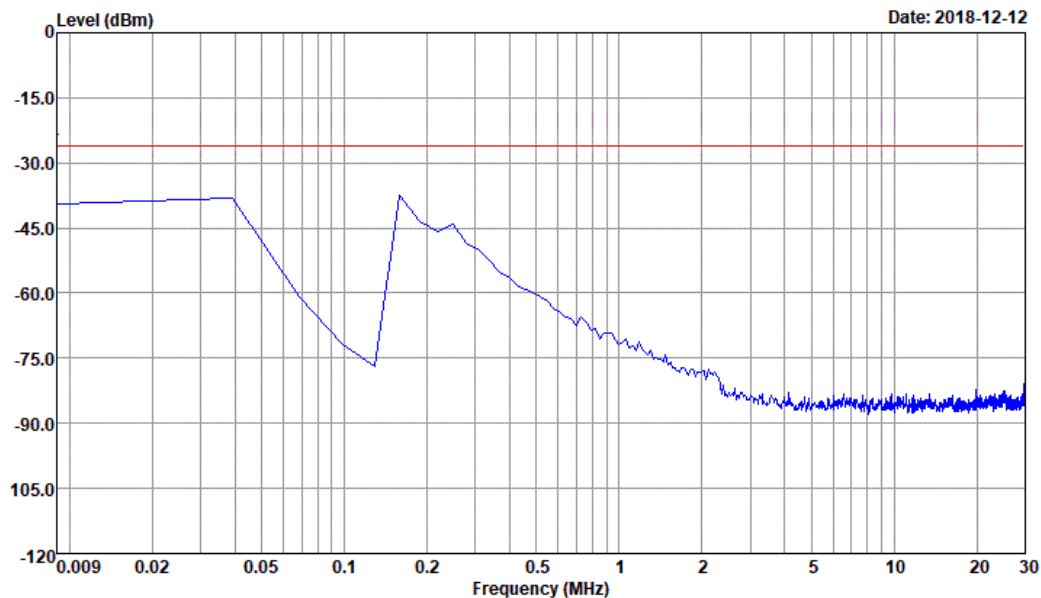
7.1.2 Test Band = Band7_ANT2

7.1.2.1 Test Bandwidth = 5



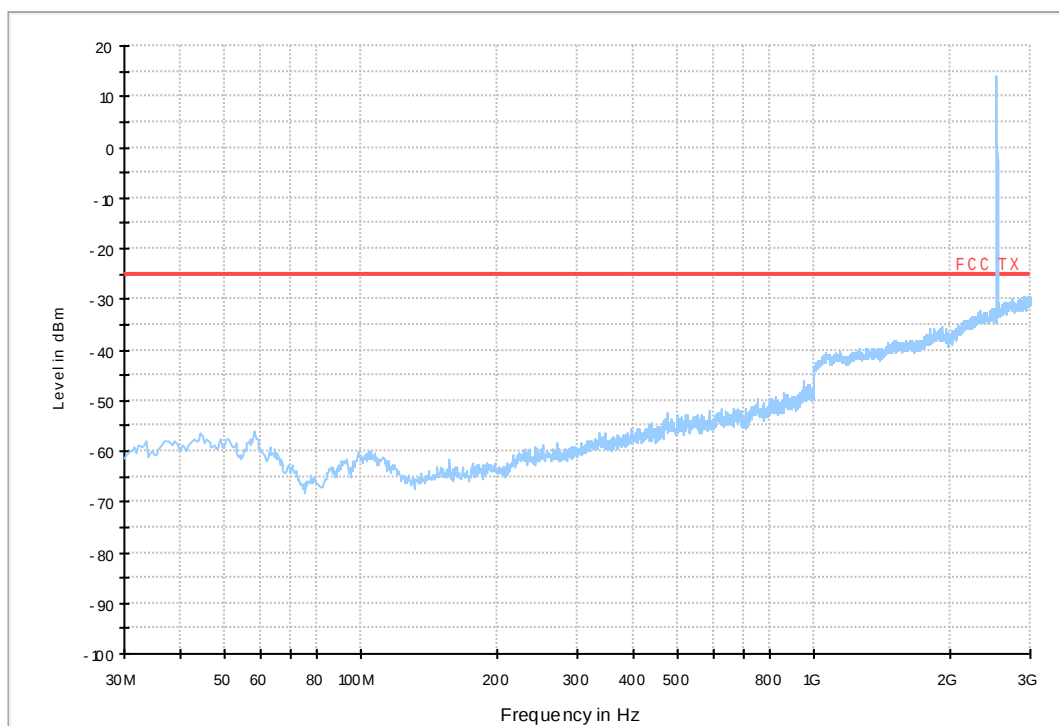
Data: 78

Date: 2018-12-12

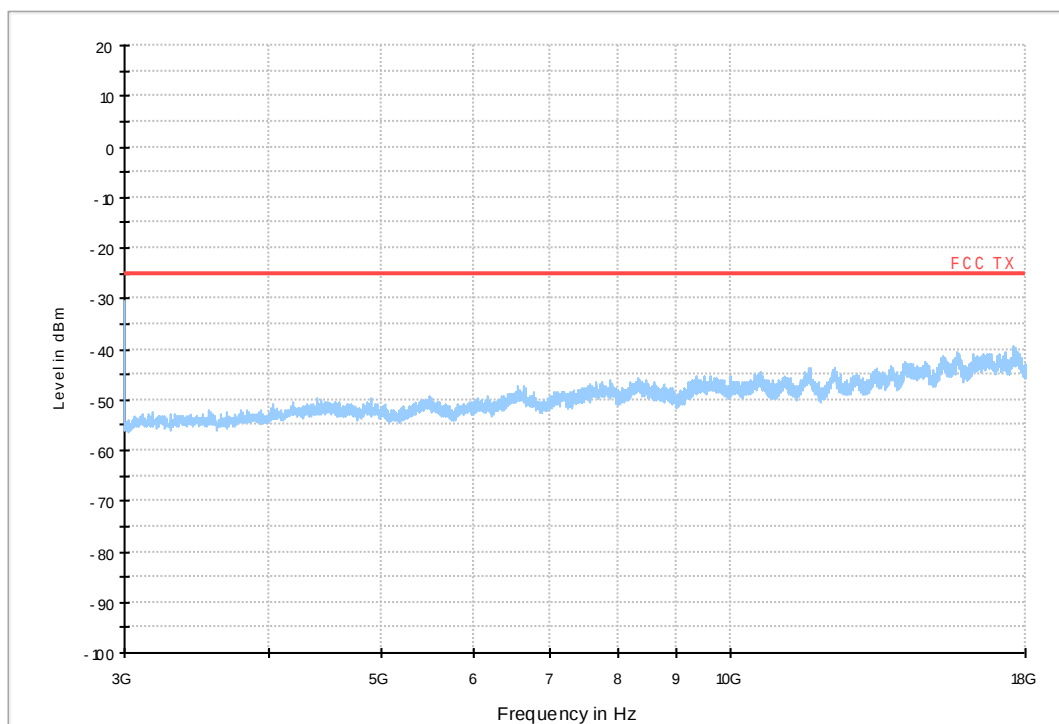


Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

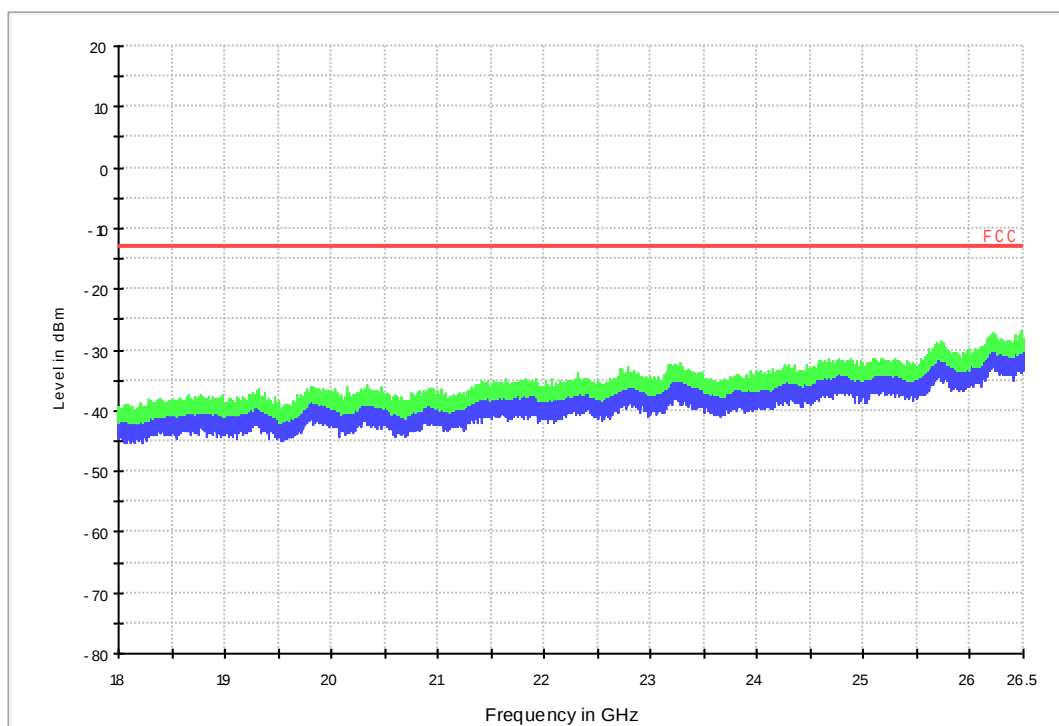
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



18G~26.5G R SE-T X-DIRECT OR ABOVE 1.5G PK

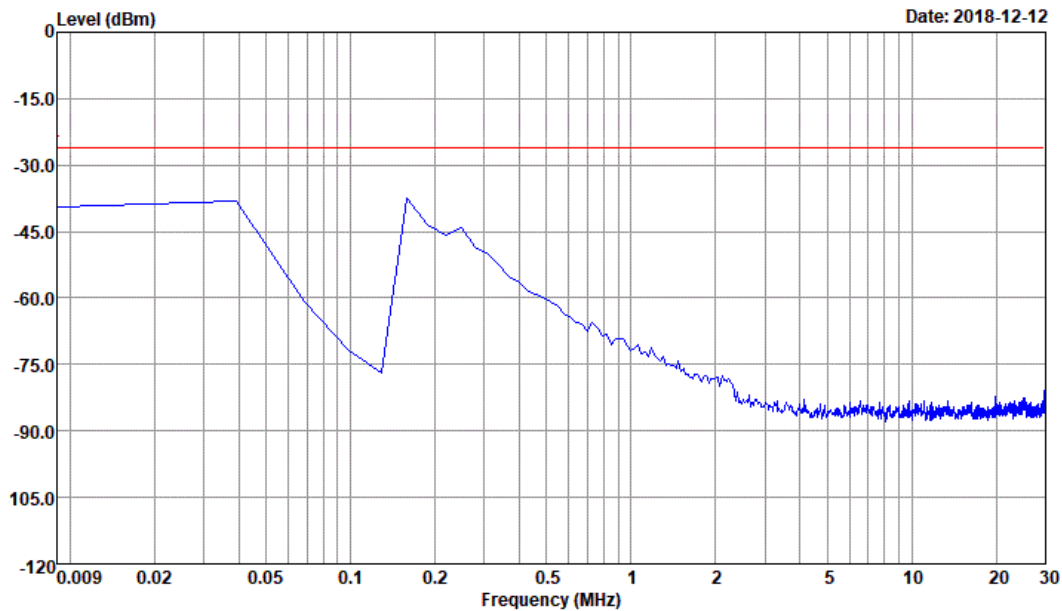


7.1.2.2 Test Bandwidth = 20



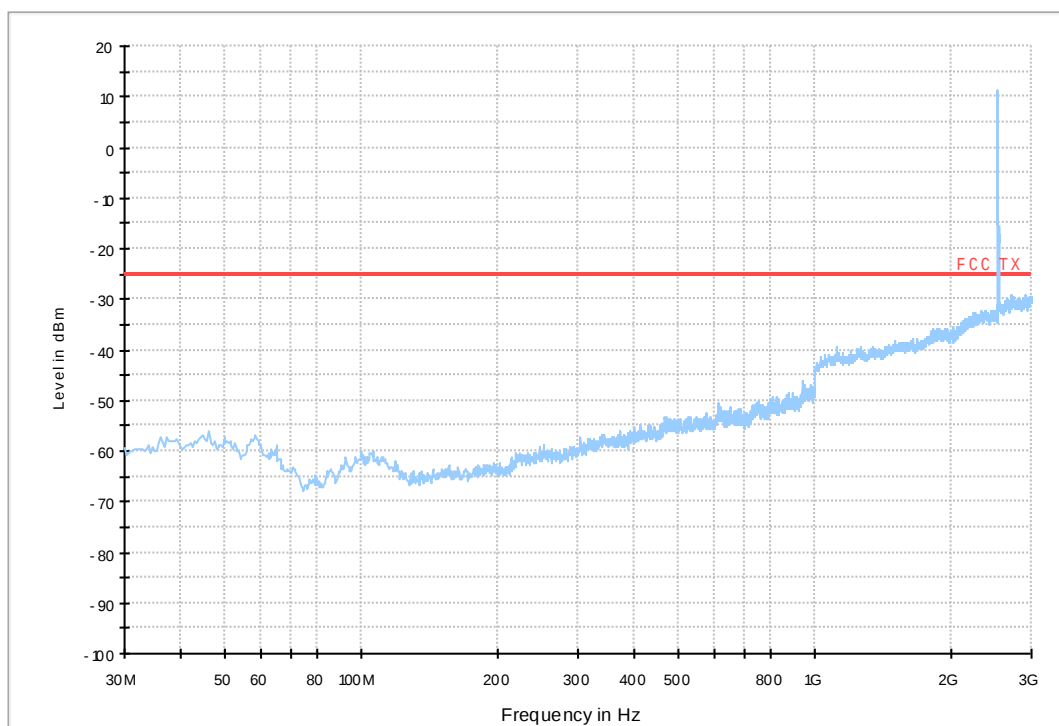
Data: 78

Date: 2018-12-12

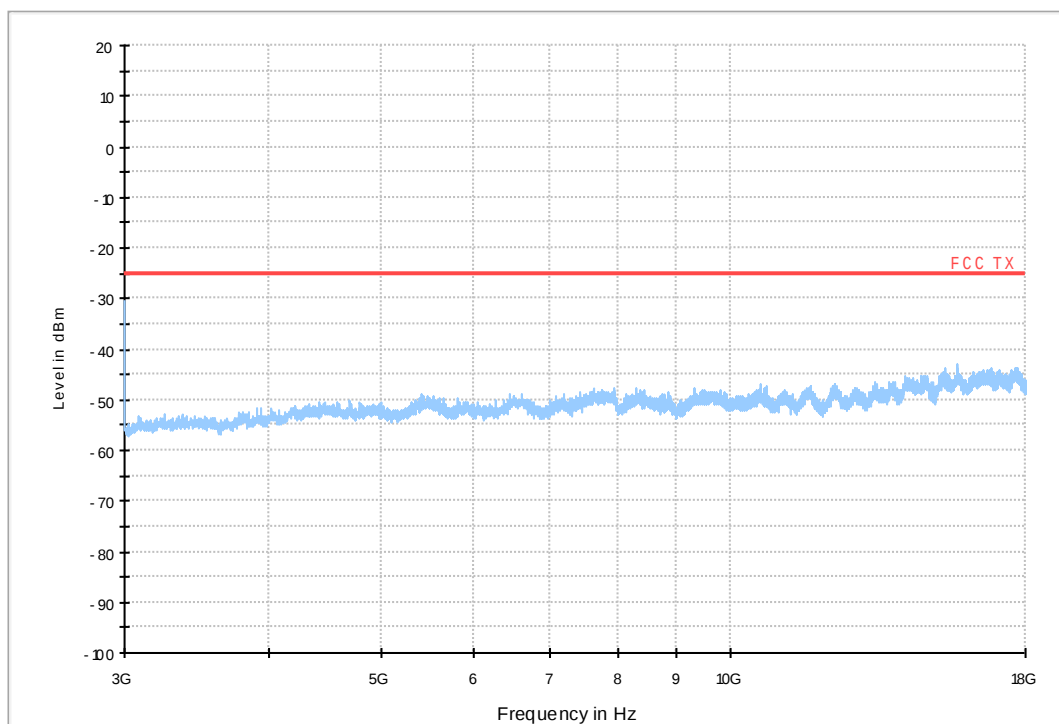


Site : 03CH01-SZ
 Condition : -13DBM
 : RBW:9.000KHz VBW:30.000KHz

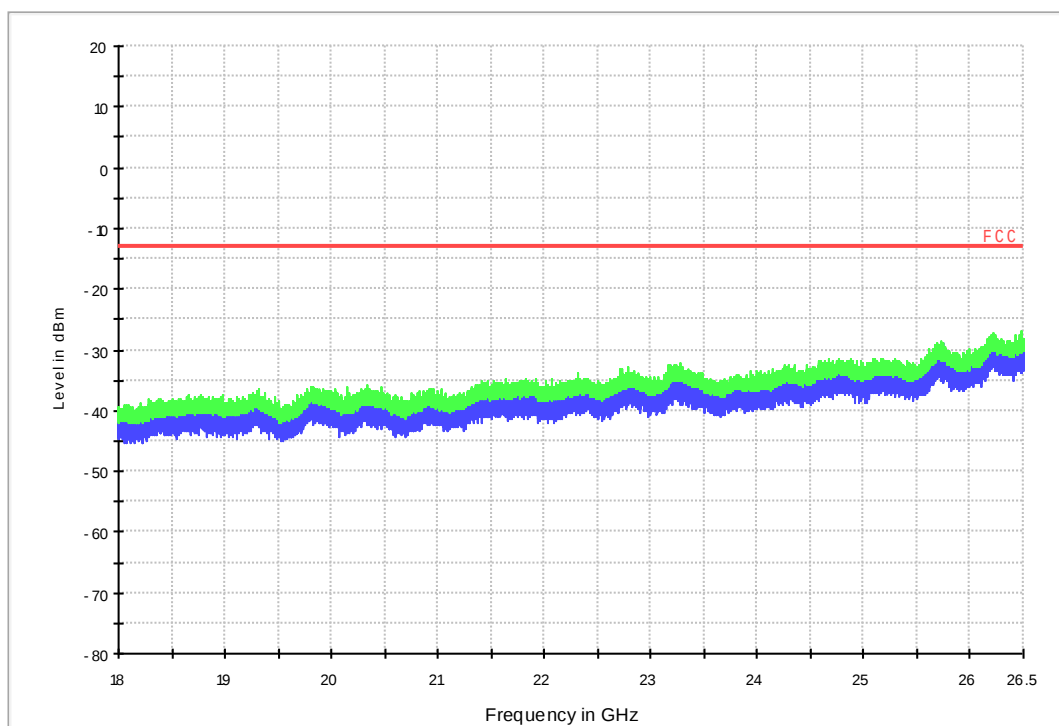
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



LTE FDD Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_H -25dBm limit



18G~26.5G R SE-T X-DIRECT OR ABOVE 1.5G PK



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency Error vs. Voltage:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
Band7	LTE/TM1	5	LCH	TN	VL	-9.97067	-0.00398	PASS
					VN	-8.66890	-0.00346	PASS
					VH	-40.24029	-0.01608	PASS
			MCH	TN	VL	-3.53336	-0.00139	PASS
					VN	-8.81195	-0.00348	PASS
					VH	-3.57628	-0.00141	PASS
			HCH	TN	VL	-16.05034	-0.00625	PASS
					VN	-12.33101	-0.00480	PASS
					VH	-6.59466	-0.00257	PASS
		10	LCH	TN	VL	-3.83377	-0.00153	PASS
					VN	-3.29018	-0.00131	PASS
					VH	-0.52929	-0.00021	PASS
			MCH	TN	VL	-0.37193	-0.00015	PASS
					VN	-2.38895	-0.00094	PASS
					VH	-1.93119	-0.00076	PASS
			HCH	TN	VL	-4.04835	-0.00158	PASS
					VN	-3.63350	-0.00142	PASS
					VH	-17.02309	-0.00664	PASS
		15	LCH	TN	VL	-6.56605	-0.00262	PASS
					VN	1.20163	0.00048	PASS
					VH	2.67506	0.00107	PASS
			MCH	TN	VL	-0.37193	-0.00015	PASS
					VN	-3.91960	-0.00155	PASS
					VH	0.10014	0.00004	PASS
			HCH	TN	VL	-5.13554	-0.00200	PASS
					VN	-3.86238	-0.00151	PASS
					VH	-0.42915	-0.00017	PASS
		20	LCH	TN	VL	-0.75817	-0.00030	PASS
					VN	-0.28610	-0.00011	PASS
					VH	0.30041	0.00012	PASS
			MCH	TN	VL	0.92983	0.00037	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2				VN	-4.04835	-0.00160	PASS
					VH	1.74522	0.00069	PASS
			HCH	TN	VL	-2.80380	-0.00110	PASS
					VN	-4.83513	-0.00189	PASS
					VH	0.55790	0.00022	PASS
					VH	0.55790	0.00022	PASS
		5	LCH	TN	VL	-25.43449	-0.01016	PASS
					VN	-35.40516	-0.01415	PASS
					VH	-8.26836	-0.00330	PASS
			MCH	TN	VL	-2.10285	-0.00083	PASS
					VN	-26.62182	-0.01050	PASS
					VH	1.04427	0.00041	PASS
			HCH	TN	VL	-2.71797	-0.00106	PASS
					VN	-11.97338	-0.00466	PASS
					VH	-8.51154	-0.00332	PASS
		10	LCH	TN	VL	-3.13282	-0.00125	PASS
					VN	-20.75672	-0.00829	PASS
					VH	0.44346	0.00018	PASS
			MCH	TN	VL	-0.45776	-0.00018	PASS
					VN	-2.93255	-0.00116	PASS
					VH	-11.94477	-0.00471	PASS
			HCH	TN	VL	-6.70910	-0.00262	PASS
					VN	-5.26428	-0.00205	PASS
					VH	-16.22200	-0.00632	PASS
		15	LCH	TN	VL	0.47207	0.00019	PASS
					VN	1.01566	0.00041	PASS
					VH	-2.16007	-0.00086	PASS
			MCH	TN	VL	-0.58651	-0.00023	PASS
					VN	-1.70231	-0.00067	PASS
					VH	0.62943	0.00025	PASS
			HCH	TN	VL	-0.95844	-0.00037	PASS
					VN	-5.92232	-0.00231	PASS
					VH	-6.99520	-0.00273	PASS
		20	LCH	TN	VL	-0.35763	-0.00014	PASS
					VN	-2.57492	-0.00103	PASS
					VH	-1.07288	-0.00043	PASS
			MCH	TN	VL	-0.58651	-0.00023	PASS
					VN	-1.35899	-0.00054	PASS
					VH	2.60353	0.00103	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VL	2.27451	0.00089	PASS
					VN	-4.23431	-0.00165	PASS
					VH	-2.98977	-0.00117	PASS

8.1.2 Frequency Error vs. Temperature:

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
Band7	LTE/TM1	5	LCH	VN	-30	-20.84255	-0.00833	PASS
					-20	-8.15391	-0.00326	PASS
					-10	-5.52177	-0.00221	PASS
					0	8.41141	0.00336	PASS
					10	-8.89778	-0.00356	PASS
					20	-8.66890	-0.00346	PASS
					30	-26.95084	-0.01077	PASS
					40	-20.31326	-0.00812	PASS
					50	-8.03947	-0.00321	PASS
			MCH	VN	-30	-6.56605	-0.00259	PASS
					-20	-6.12259	-0.00242	PASS
					-10	-11.17229	-0.00441	PASS
					0	-6.49452	-0.00256	PASS
					10	-7.66754	-0.00302	PASS
					20	-8.81195	-0.00348	PASS
					30	-10.42843	-0.00411	PASS
					40	-9.45568	-0.00373	PASS
					50	-6.46591	-0.00255	PASS
			HCH	VN	-30	-15.29217	-0.00596	PASS
					-20	-11.54423	-0.00450	PASS
					-10	-29.43993	-0.01147	PASS
					0	-11.85894	-0.00462	PASS
					10	-13.36098	-0.00520	PASS
					20	-12.33101	-0.00480	PASS
					30	-10.31399	-0.00402	PASS
					40	-28.92494	-0.01127	PASS
					50	-11.44409	-0.00446	PASS
		10	LCH	VN	-30	-4.19140	-0.00167	PASS
					-20	-4.44889	-0.00178	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	-19.01150	-0.00759	PASS
					0	-2.01702	-0.00081	PASS
					10	-1.81675	-0.00073	PASS
					20	-3.29018	-0.00131	PASS
					30	-2.23160	-0.00089	PASS
					40	-3.03268	-0.00121	PASS
					50	0.58651	0.00023	PASS
			MCH	VN	-30	-1.97411	-0.00078	PASS
					-20	-9.32694	-0.00368	PASS
					-10	-3.19004	-0.00126	PASS
					0	-6.25134	-0.00247	PASS
					10	-22.25876	-0.00878	PASS
					20	-2.38895	-0.00094	PASS
					30	-3.61919	-0.00143	PASS
					40	-4.53472	-0.00179	PASS
					50	-3.16143	-0.00125	PASS
			HCH	VN	-30	-3.51906	-0.00137	PASS
					-20	-5.17845	-0.00202	PASS
					-10	-6.56605	-0.00256	PASS
					0	-3.13282	-0.00122	PASS
					10	-8.49724	-0.00331	PASS
					20	-3.63350	-0.00142	PASS
					30	-3.84808	-0.00150	PASS
					40	-5.70774	-0.00223	PASS
					50	-2.48909	-0.00097	PASS
		15	LCH	VN	-30	0.44346	0.00018	PASS
					-20	-1.80244	-0.00072	PASS
					-10	-7.89642	-0.00315	PASS
					0	-2.40326	-0.00096	PASS
					10	0.18597	0.00007	PASS
					20	1.20163	0.00048	PASS
					30	-6.29425	-0.00251	PASS
					40	-0.84400	-0.00034	PASS
					50	-65.86075	-0.02627	PASS
			MCH	VN	-30	-2.16007	-0.00085	PASS
					-20	-2.43187	-0.00096	PASS
					-10	-3.89099	-0.00153	PASS
					0	-4.07696	-0.00161	PASS
					10	-2.00272	-0.00079	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	-3.91960	-0.00155	PASS
					30	-4.24862	-0.00168	PASS
					40	-3.56197	-0.00141	PASS
					50	-1.64509	-0.00065	PASS
			HCH	VN	-30	-2.48909	-0.00097	PASS
					-20	-7.45296	-0.00291	PASS
					-10	-4.97818	-0.00194	PASS
					0	-8.92639	-0.00348	PASS
					10	-3.17573	-0.00124	PASS
					20	-3.86238	-0.00151	PASS
					30	-4.37737	-0.00171	PASS
					40	-5.10693	-0.00199	PASS
					50	-4.27723	-0.00167	PASS
		20	LCH	VN	-30	3.17573	0.00127	PASS
					-20	-1.28746	-0.00051	PASS
					-10	1.77383	0.00071	PASS
					0	0.21458	0.00009	PASS
					10	-1.25885	-0.00050	PASS
					20	-0.28610	-0.00011	PASS
					30	0.42915	0.00017	PASS
					40	-1.17302	-0.00047	PASS
					50	-1.21593	-0.00048	PASS
			MCH	VN	-30	-2.41756	-0.00095	PASS
					-20	-2.21729	-0.00087	PASS
					-10	-2.11716	-0.00084	PASS
					0	-3.13282	-0.00124	PASS
					10	-2.07424	-0.00082	PASS
					20	-4.04835	-0.00160	PASS
					30	-3.79086	-0.00150	PASS
					40	-3.67641	-0.00145	PASS
					50	-2.54631	-0.00100	PASS
			HCH	VN	-30	-2.18868	-0.00085	PASS
					-20	-4.30584	-0.00168	PASS
					-10	-0.65804	-0.00026	PASS
					0	-0.72956	-0.00028	PASS
					10	-0.62943	-0.00025	PASS
					20	-4.83513	-0.00189	PASS
					30	-0.65804	-0.00026	PASS
					40	1.20163	0.00047	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					50	1.10149	0.00043	PASS
	LTE/TM2	5	LCH	VN	-30	-44.53182	-0.01779	PASS
					-20	-47.27840	-0.01889	PASS
					-10	-9.04083	-0.00361	PASS
					0	-29.61159	-0.01183	PASS
					10	-8.95500	-0.00358	PASS
					20	-35.40516	-0.01415	PASS
					30	-30.97057	-0.01238	PASS
					40	-9.58443	-0.00383	PASS
					50	-9.67026	-0.00386	PASS
					MCH	VN	-30	-25.14839
			-20	-7.53880			-0.00297	PASS
			-10	-5.65052			-0.00223	PASS
			0	-9.46999			-0.00374	PASS
			10	-8.52585			-0.00336	PASS
			20	-26.62182			-0.01050	PASS
			30	-50.82607			-0.02005	PASS
			40	-5.02109			-0.00198	PASS
			50	-5.86510			-0.00231	PASS
			HCH	VN			-30	-33.53119
					-20	-10.07080	-0.00392	PASS
					-10	-36.86428	-0.01436	PASS
					0	-28.85342	-0.01124	PASS
					10	-9.75609	-0.00380	PASS
					20	-11.97338	-0.00466	PASS
					30	-14.14776	-0.00551	PASS
					40	-13.11779	-0.00511	PASS
					50	-11.30104	-0.00440	PASS
					10	LCH	VN	-30
		-20	-4.83513	-0.00193				PASS
		-10	-5.46455	-0.00218				PASS
		0	-5.23567	-0.00209				PASS
		10	-9.22680	-0.00368				PASS
		20	-20.75672	-0.00829				PASS
		30	-2.50339	-0.00100				PASS
		40	-10.91480	-0.00436				PASS
		50	-2.01702	-0.00081				PASS
		MCH	VN	-30				0.34332
		-20	-2.68936	-0.00106		PASS		

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					-10	-4.29153	-0.00169	PASS
					0	-16.82281	-0.00664	PASS
					10	-2.38895	-0.00094	PASS
					20	-2.93255	-0.00116	PASS
					30	-0.82970	-0.00033	PASS
					40	-17.13753	-0.00676	PASS
					50	1.38760	0.00055	PASS
			HCH	VN	-30	-5.29289	-0.00206	PASS
					-20	-4.19140	-0.00163	PASS
					-10	-4.92096	-0.00192	PASS
					0	-6.23703	-0.00243	PASS
					10	-4.34875	-0.00170	PASS
					20	-5.26428	-0.00205	PASS
					30	-3.87669	-0.00151	PASS
					40	-4.77791	-0.00186	PASS
					50	-6.92368	-0.00270	PASS
		15	LCH	VN	-30	-2.07424	-0.00083	PASS
					-20	-2.17438	-0.00087	PASS
					-10	-2.67506	-0.00107	PASS
					0	-8.55446	-0.00341	PASS
					10	-8.21114	-0.00327	PASS
					20	1.01566	0.00041	PASS
					30	-7.25269	-0.00289	PASS
					40	-1.88827	-0.00075	PASS
					50	-4.50611	-0.00180	PASS
			MCH	VN	-30	-0.24319	-0.00010	PASS
					-20	-2.87533	-2.87533	PASS
					-10	-0.10014	-0.00004	PASS
					0	-0.37193	-0.00015	PASS
					10	0.08583	0.00003	PASS
					20	-1.70231	-0.00067	PASS
					30	-1.63078	-0.00064	PASS
					40	-2.76089	-0.00109	PASS
					50	-0.04292	-0.00002	PASS
			HCH	VN	-30	-4.34875	-0.00170	PASS
					-20	-11.27243	-0.00440	PASS
					-10	-8.03947	-0.00314	PASS
					0	-9.97067	-0.00389	PASS
					10	-4.44889	-0.00174	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	-5.92232	-0.00231	PASS
					30	-5.50747	-0.00215	PASS
					40	-8.54015	-0.00333	PASS
					50	-10.37121	-0.00405	PASS
		20	LCH	VN	-30	-1.54495	-0.00062	PASS
					-20	-2.46048	-0.00098	PASS
					-10	-2.57492	-0.00103	PASS
					0	-3.14712	-0.00125	PASS
					10	-3.19004	-0.00127	PASS
					20	-2.57492	-0.00103	PASS
					30	-1.65939	-0.00066	PASS
					40	-1.91688	-0.00076	PASS
					50	-3.03268	-0.00121	PASS
			MCH	VN	-30	1.01566	0.00040	PASS
					-20	-2.76089	-0.00109	PASS
					-10	-1.61648	-0.00064	PASS
					0	-0.37193	-0.00015	PASS
					10	-0.04292	-0.00002	PASS
					20	-1.35899	-0.00054	PASS
					30	-3.03268	-0.00120	PASS
					40	-1.61648	-0.00064	PASS
					50	-1.98841	-0.00078	PASS
			HCH	VN	-30	-2.13146	-0.00083	PASS
					-20	-2.18868	-0.00085	PASS
					-10	-2.16007	-0.00084	PASS
					0	-1.47343	-0.00058	PASS
					10	-0.94414	-0.00037	PASS
					20	-4.23431	-0.00165	PASS
					30	-2.74658	-0.00107	PASS
					40	-1.54495	-0.00060	PASS
					50	-0.91553	-0.00036	PASS

END