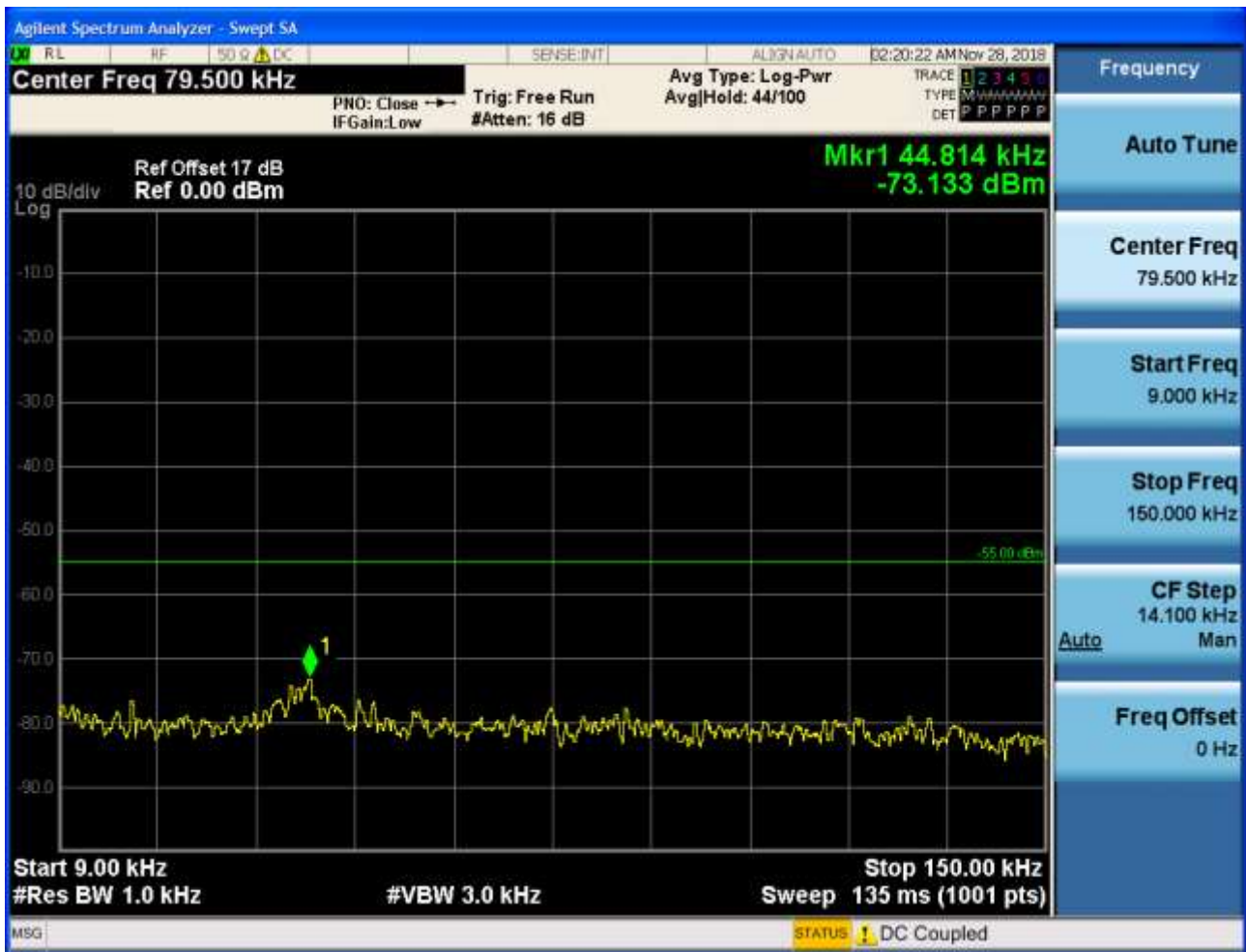
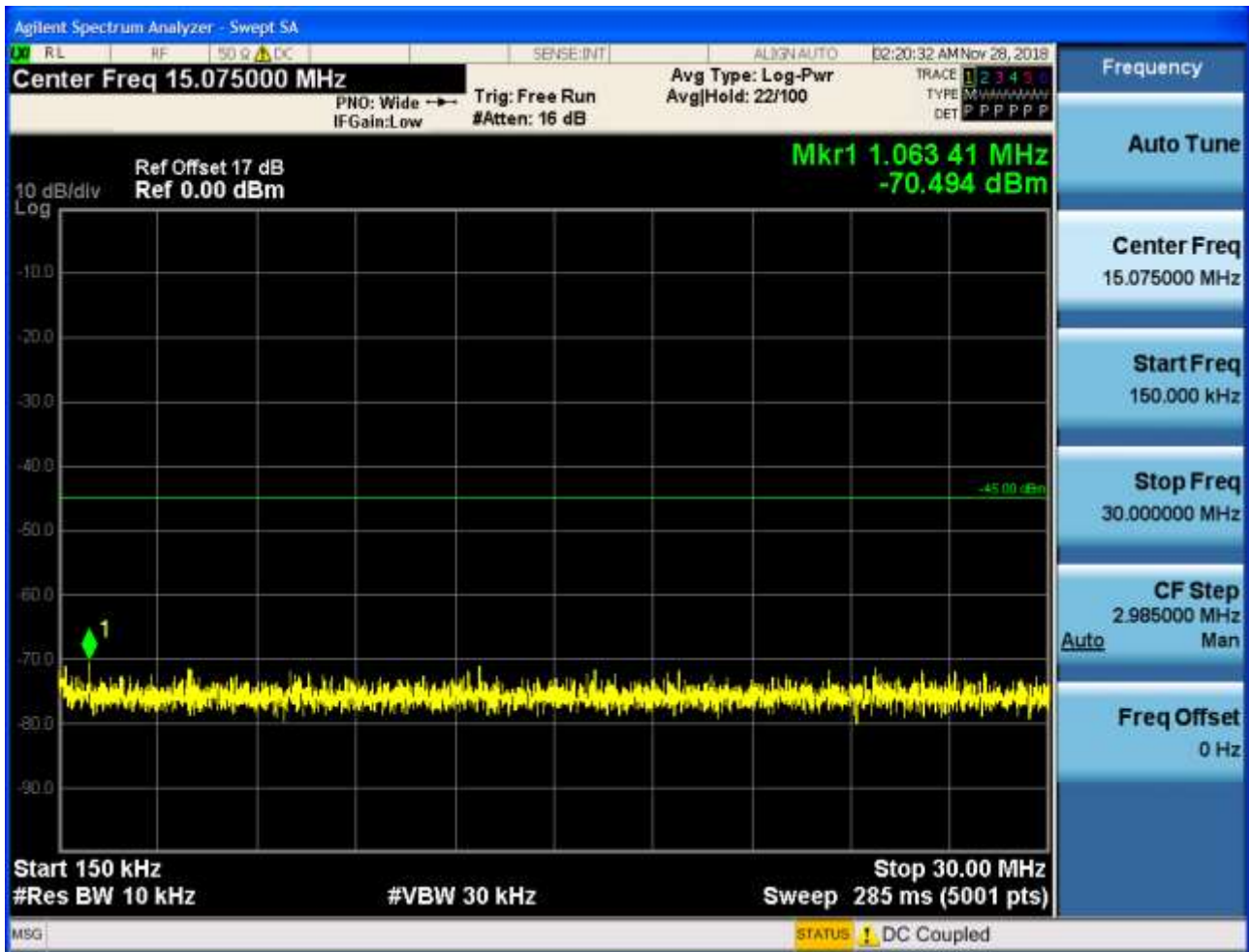


6.2.1.1.2.3 Test Channel = HCH

6.2.1.1.2.3.1 Test RB = RB1#0



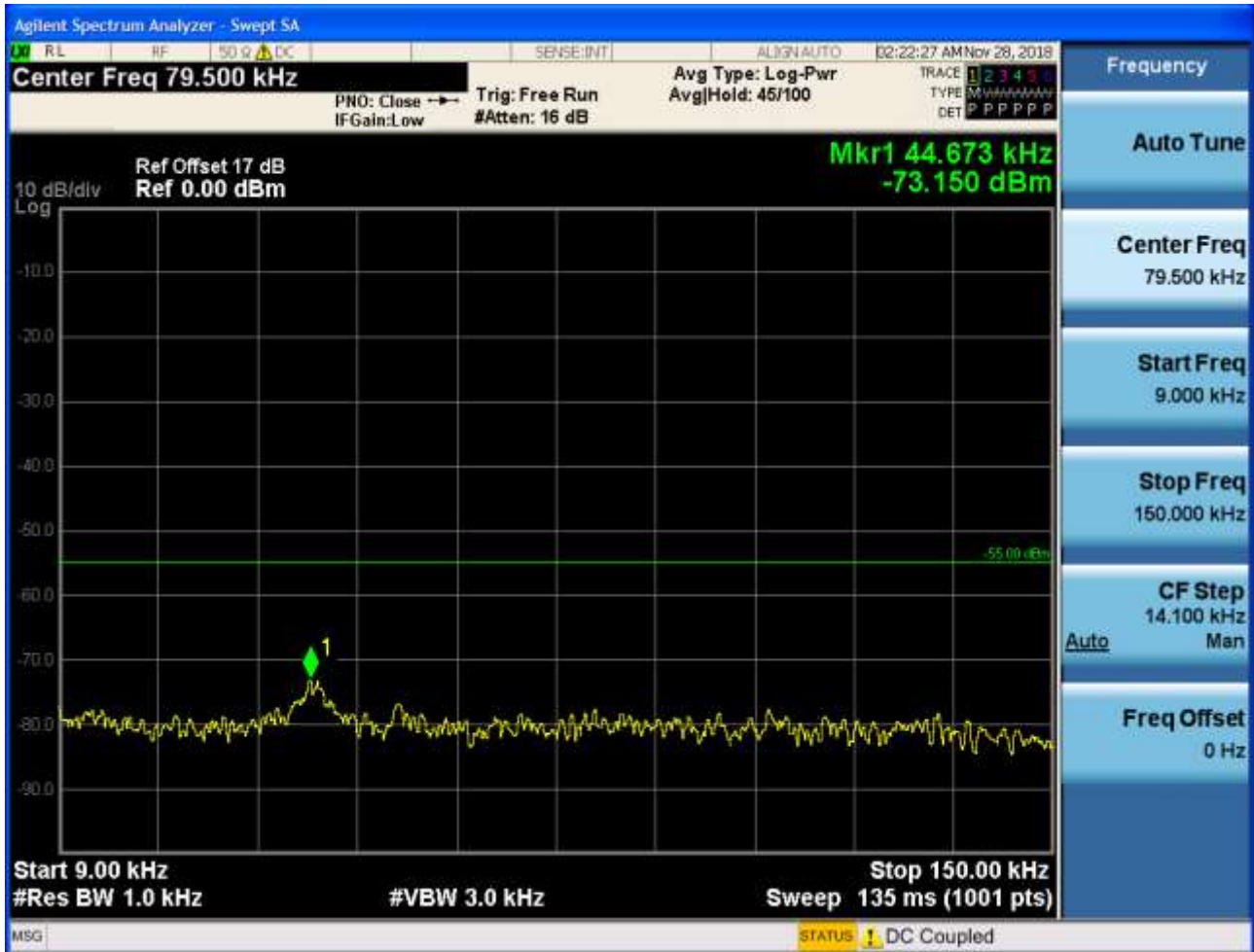


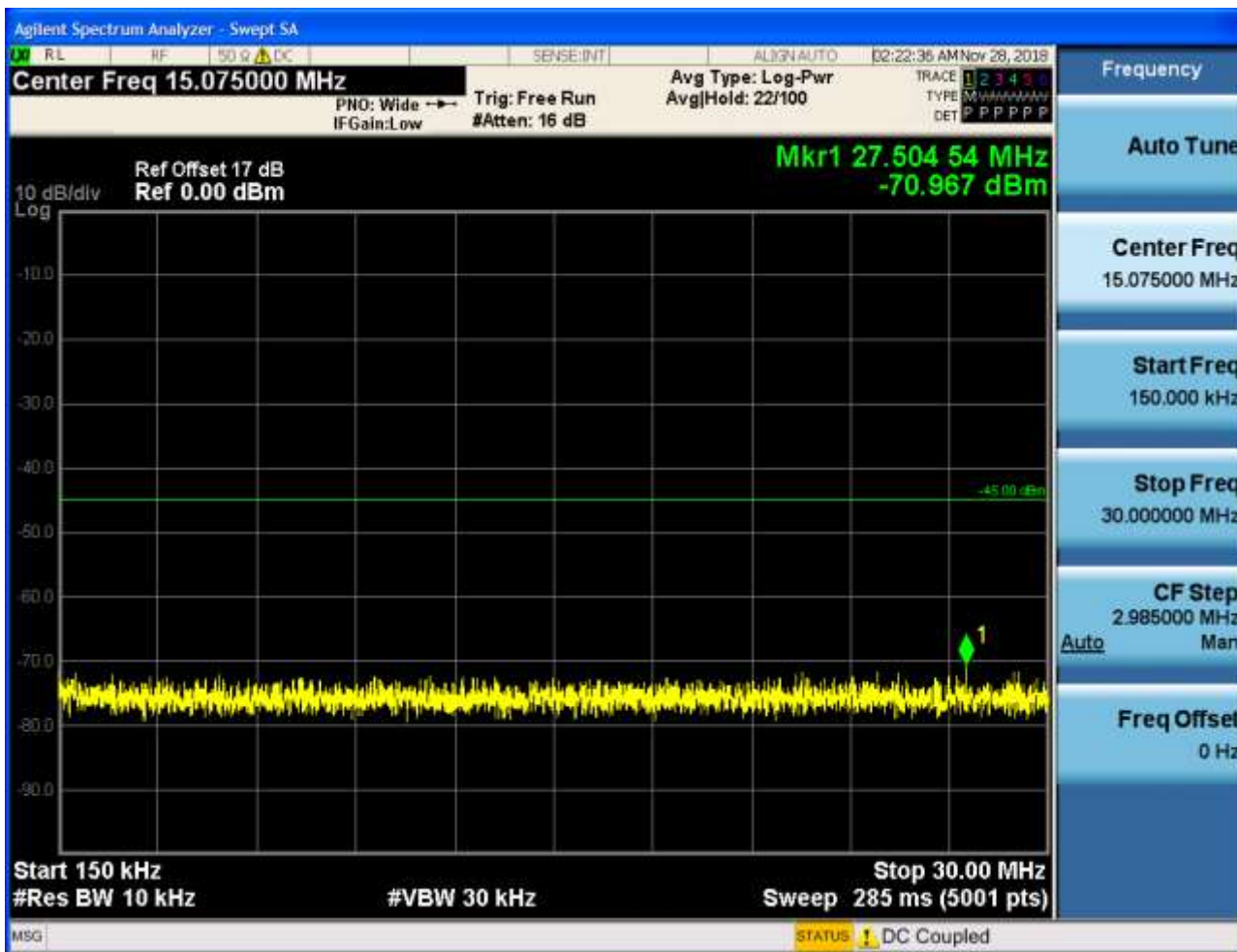


6.2.1.1.3 Test Bandwidth = 15

6.2.1.1.3.1 Test Channel = LCH

6.2.1.1.3.1.1 Test RB = RB1#0



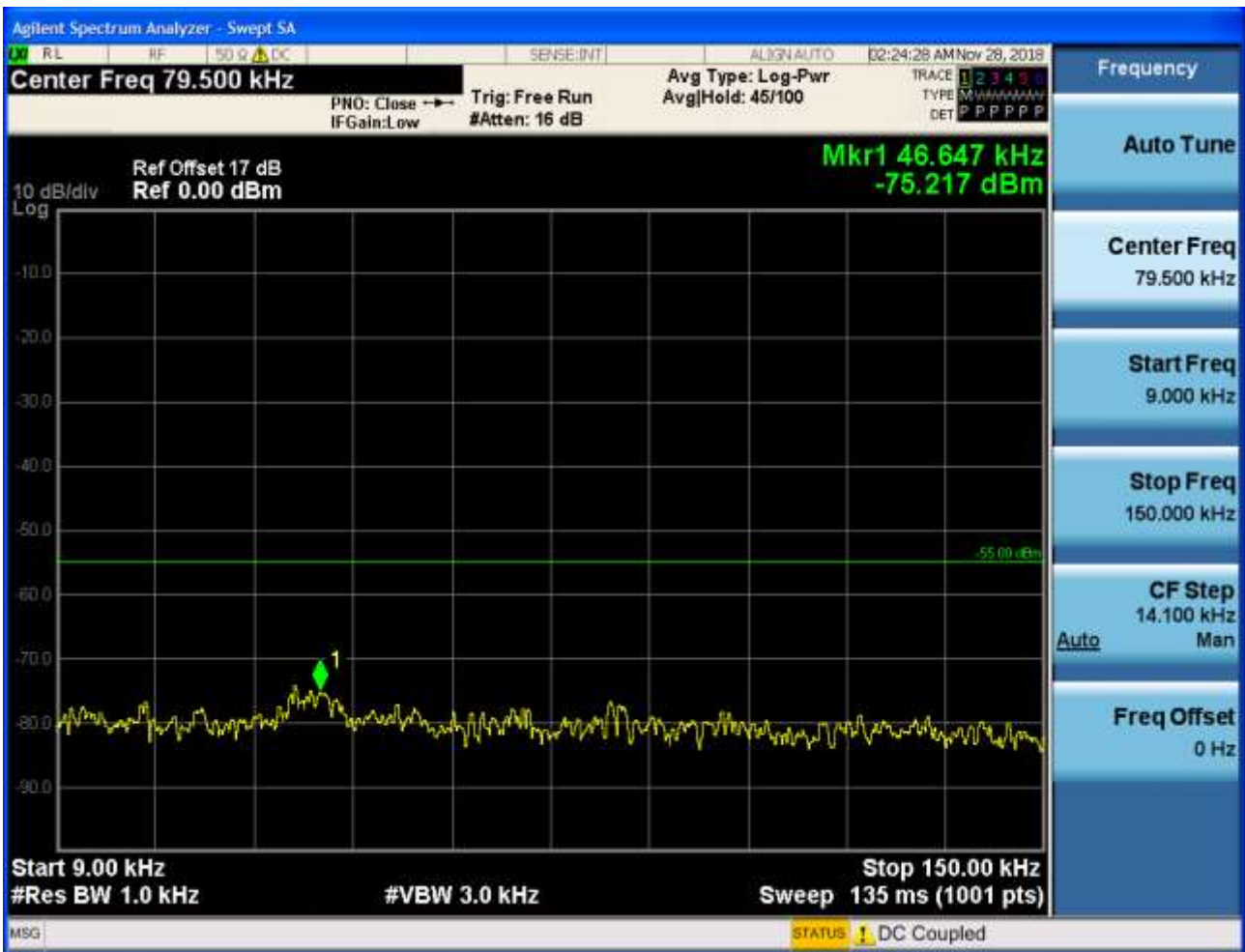






6.2.1.1.3.2 Test Channel = MCH

6.2.1.1.3.2.1 Test RB = RB1#0



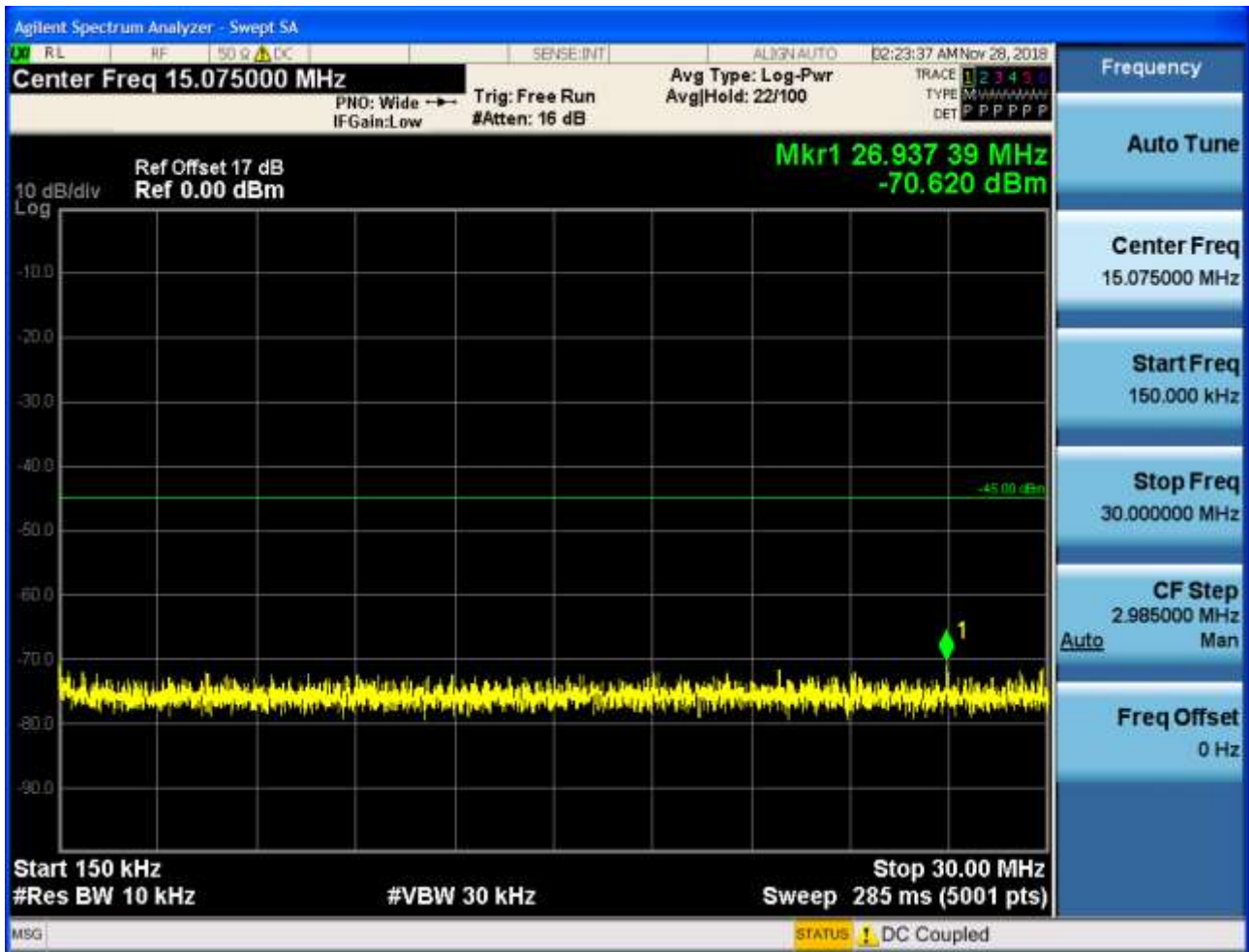




6.2.1.1.3.3 Test Channel = HCH

6.2.1.1.3.3.1 Test RB = RB1#0





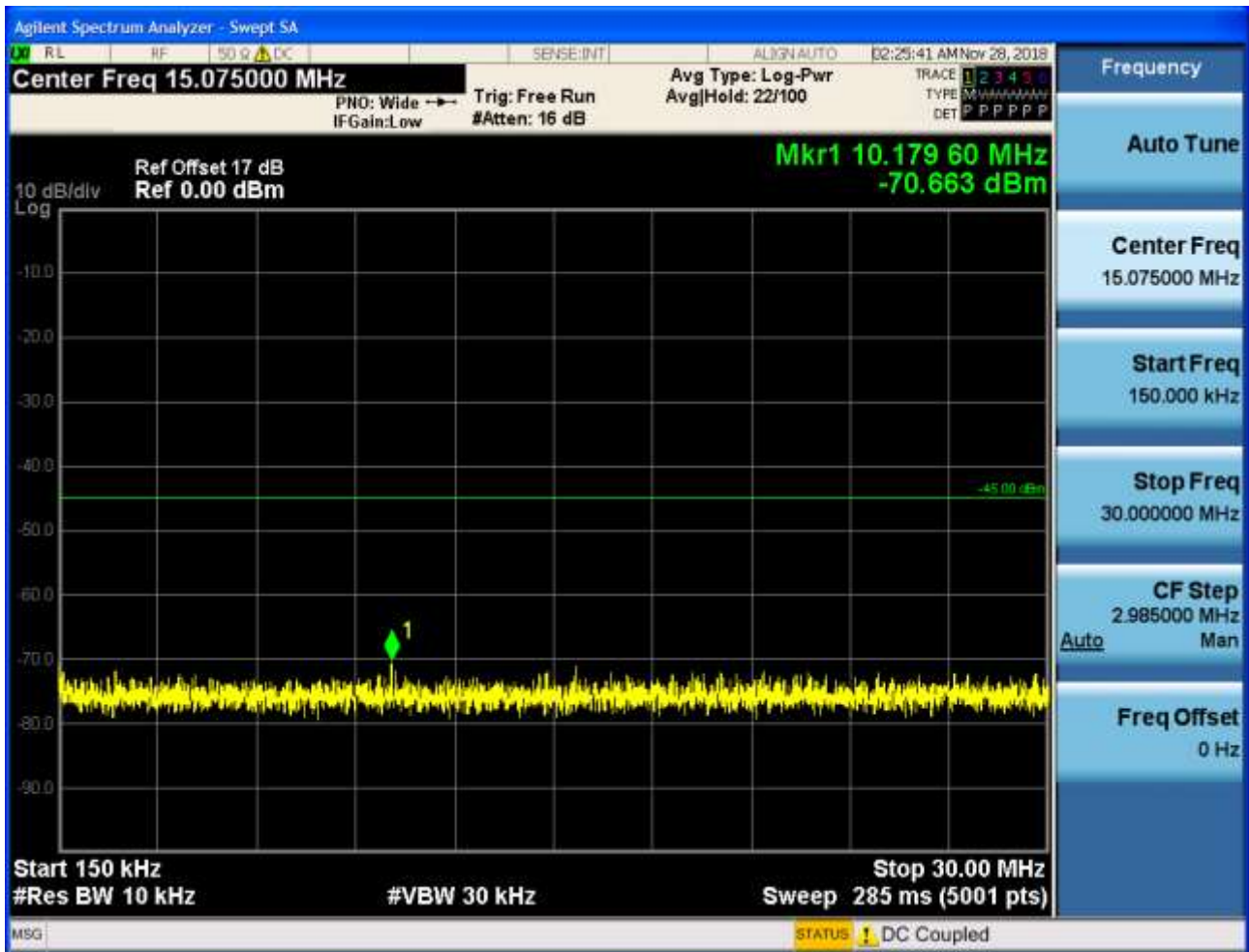


6.2.1.1.4 Test Bandwidth = 20

6.2.1.1.4.1 Test Channel = LCH

6.2.1.1.4.1.1 Test RB = RB1#0



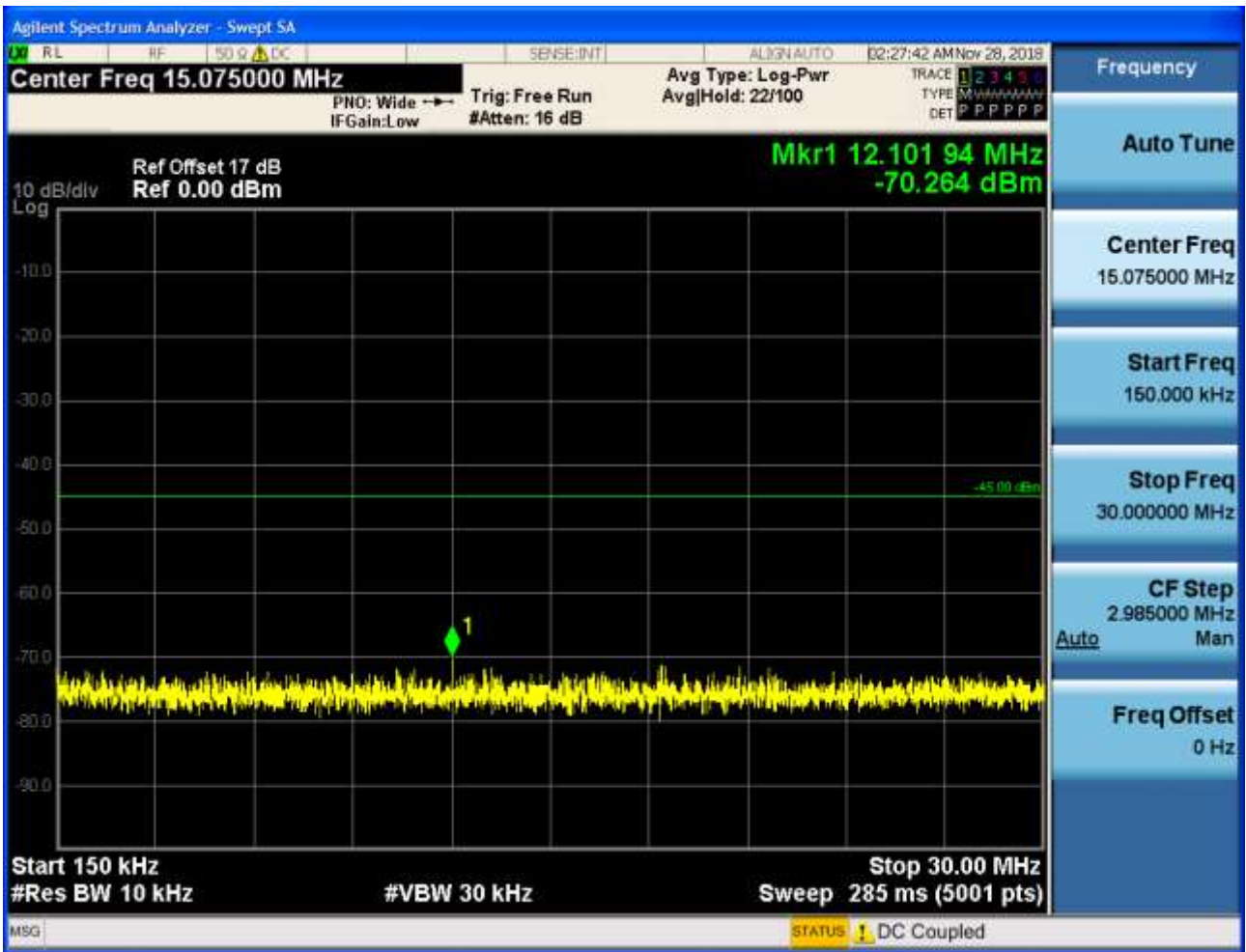




6.2.1.1.4.2 Test Channel = MCH

6.2.1.1.4.2.1 Test RB = RB1#0

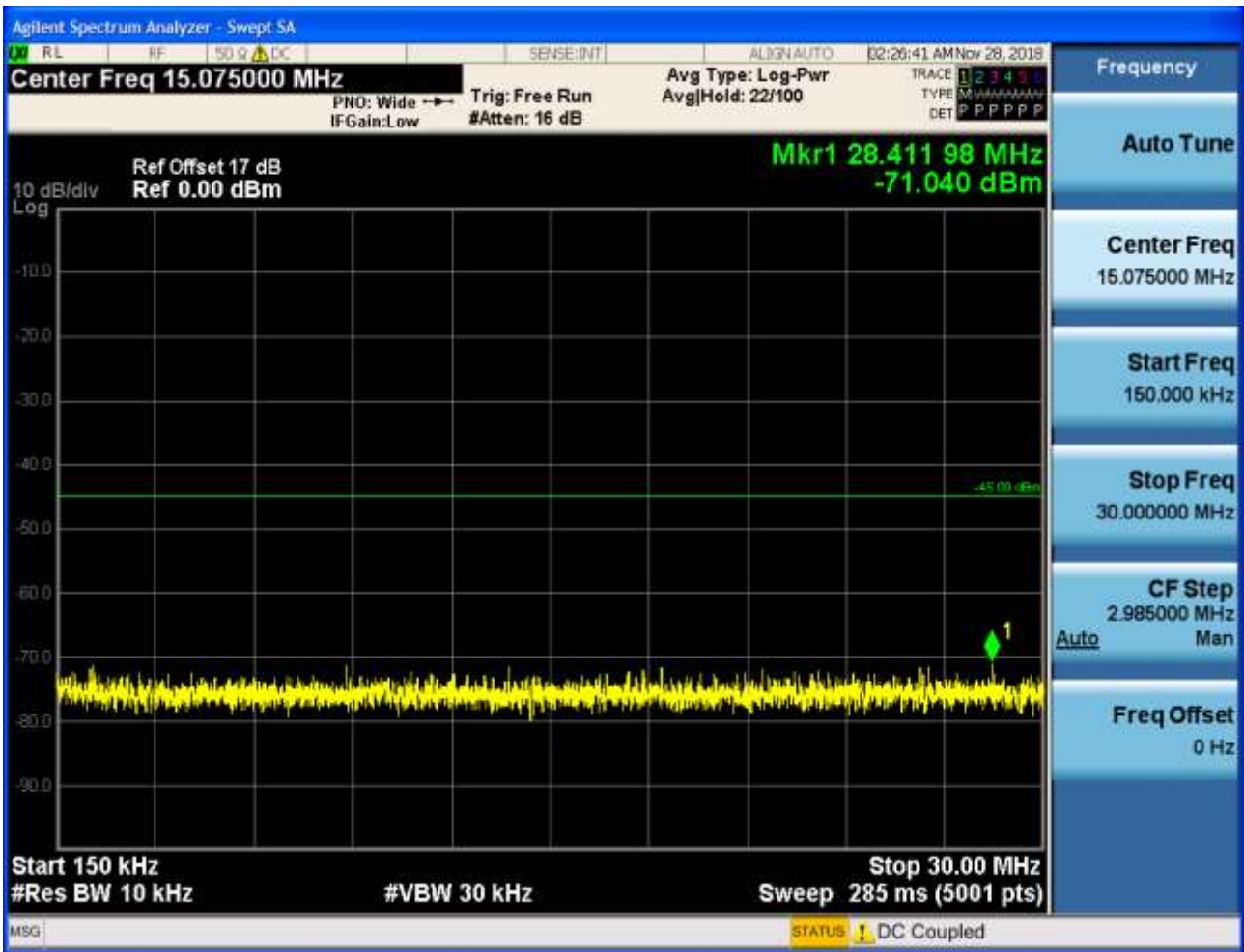


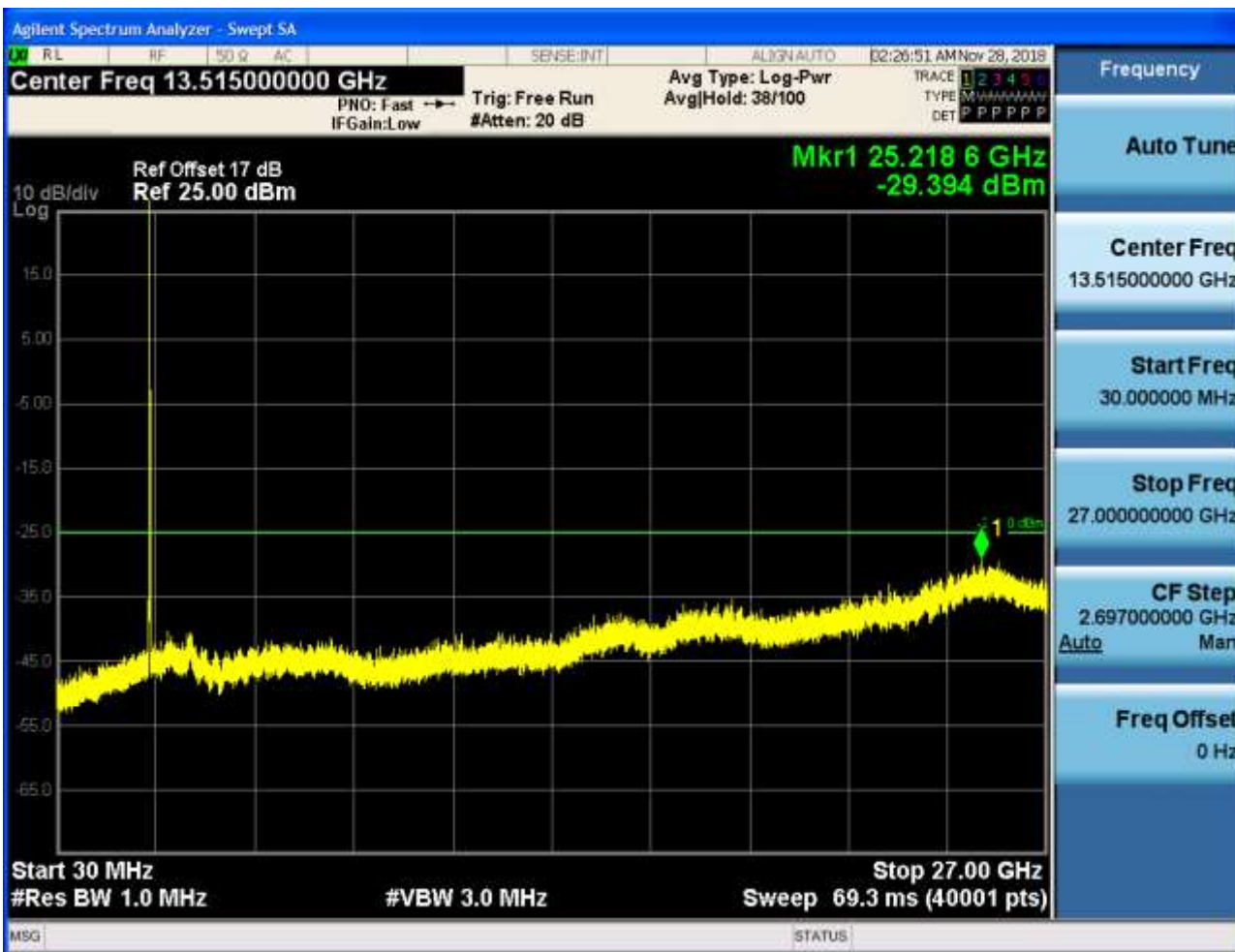


6.2.1.1.4.3 Test Channel = HCH

6.2.1.1.4.3.1 Test RB = RB1#0





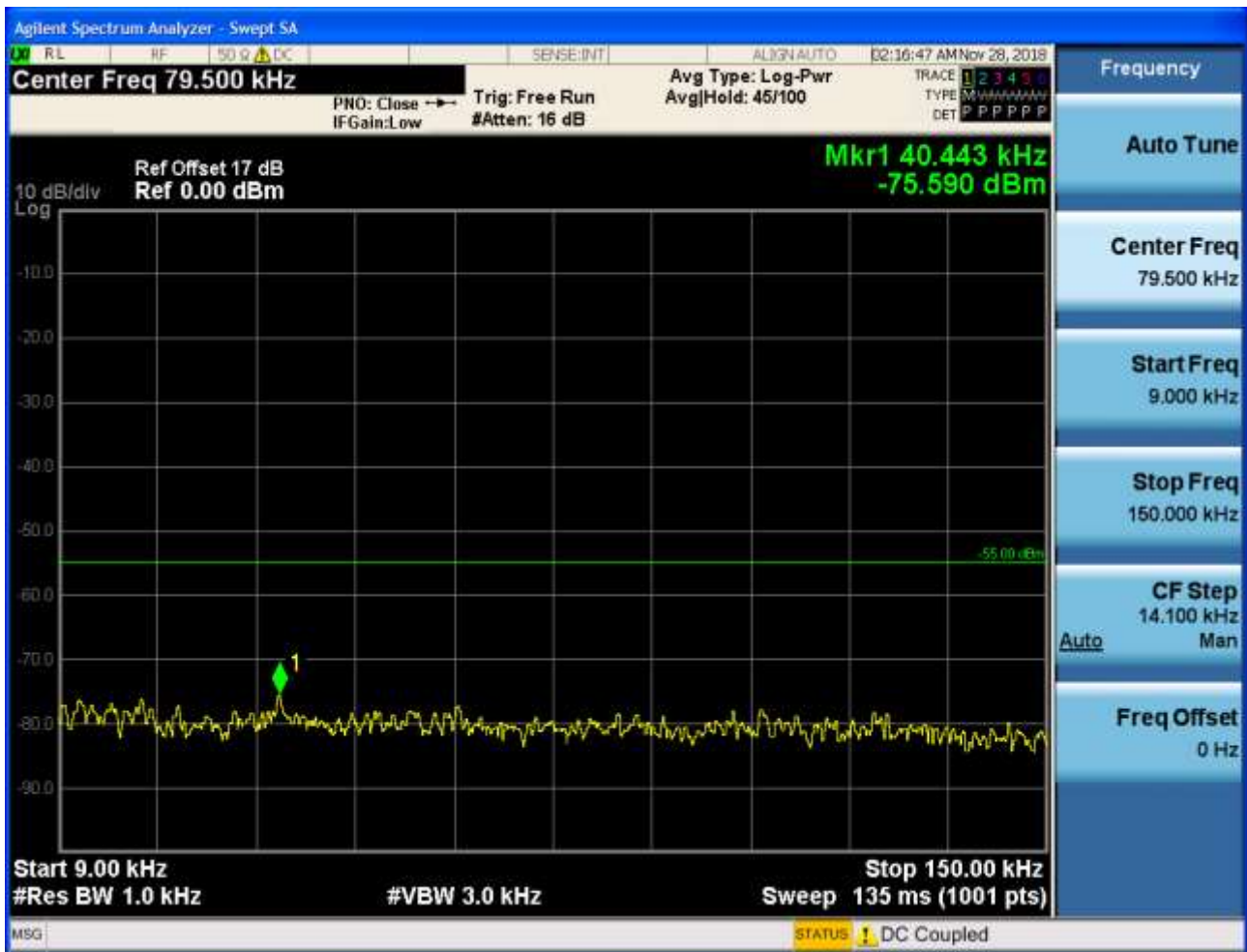


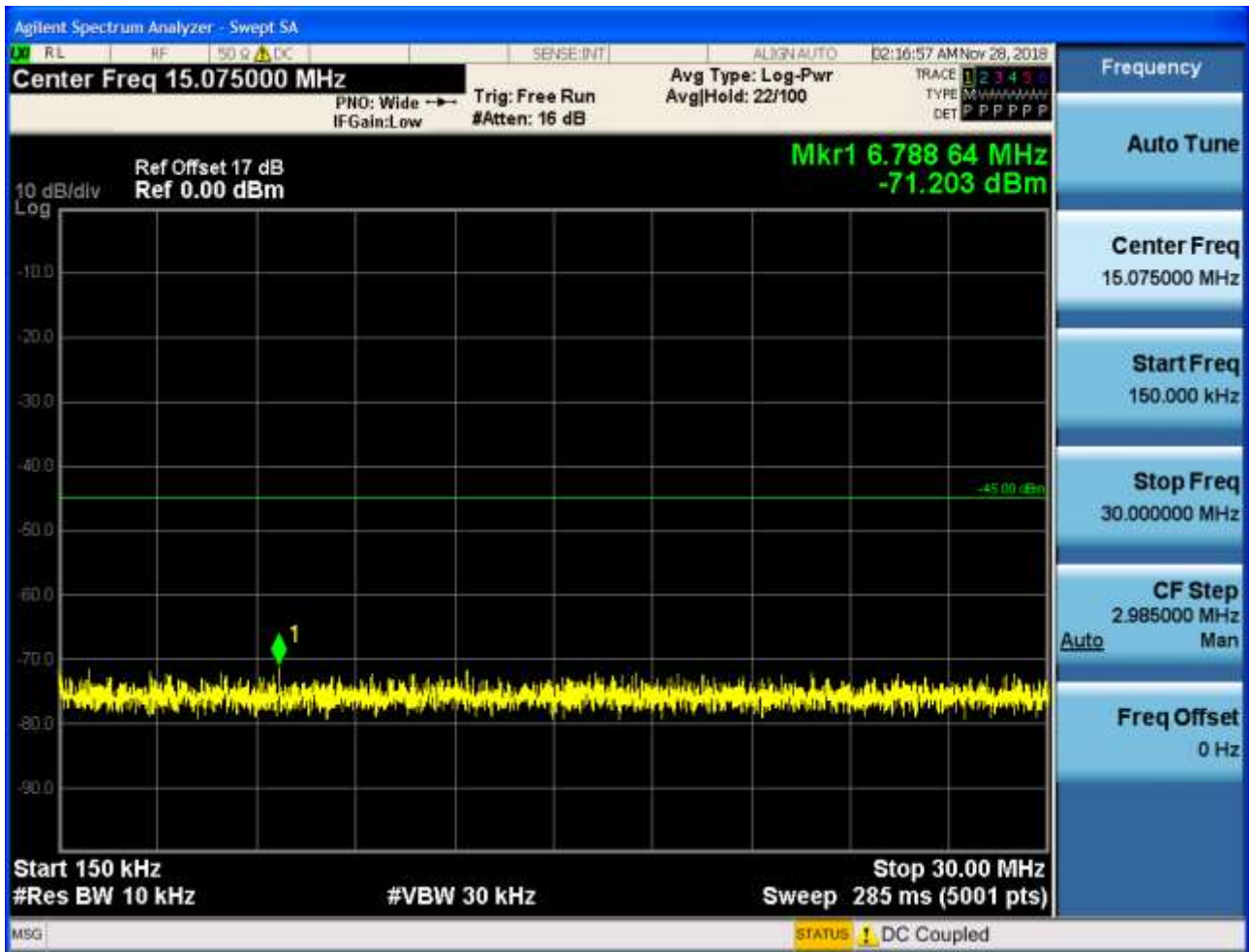
6.2.1.2 Test Mode = LTE/TM2

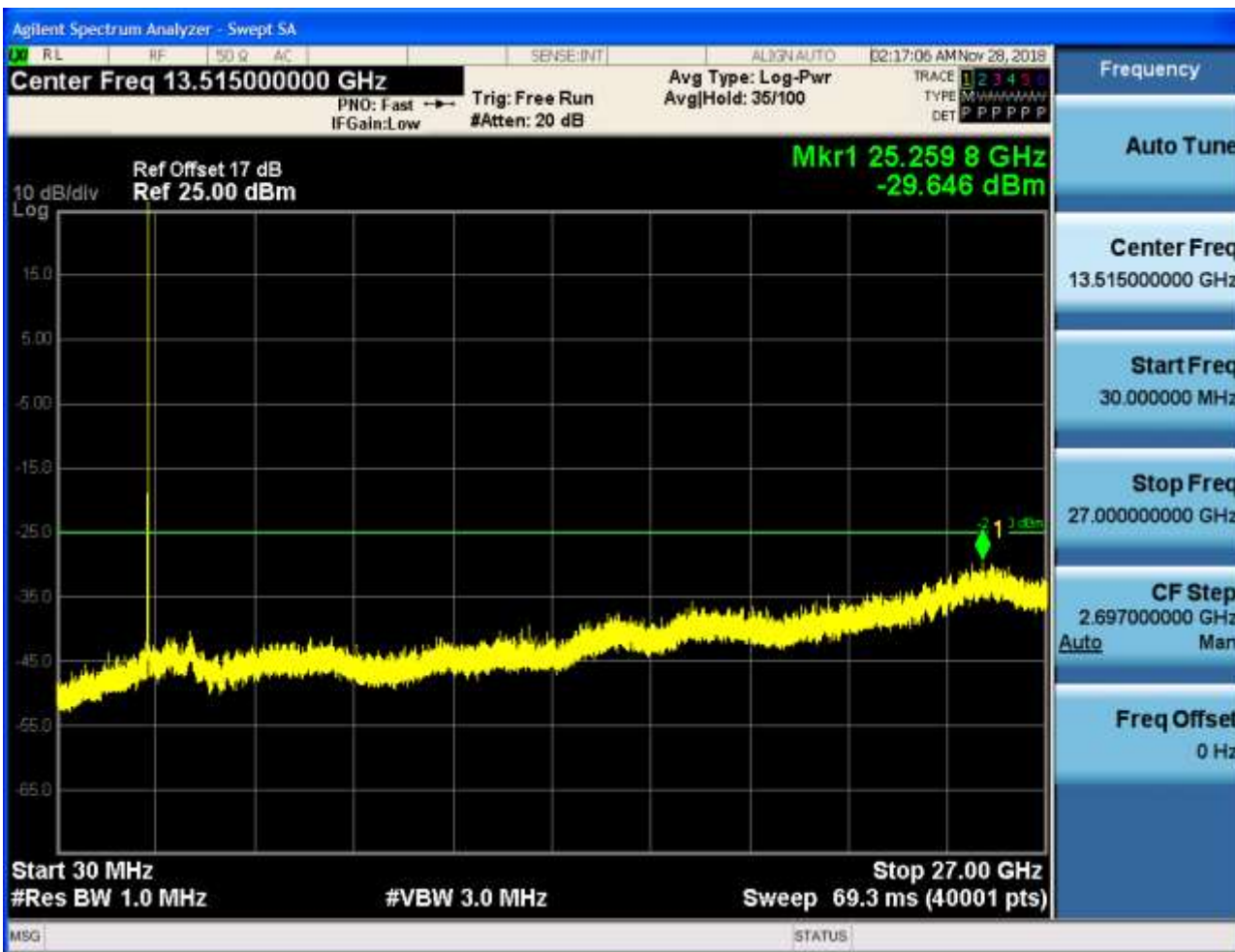
6.2.1.2.1 Test Bandwidth = 5

6.2.1.2.1.1 Test Channel = LCH

6.2.1.2.1.1.1 Test RB = RB1#0





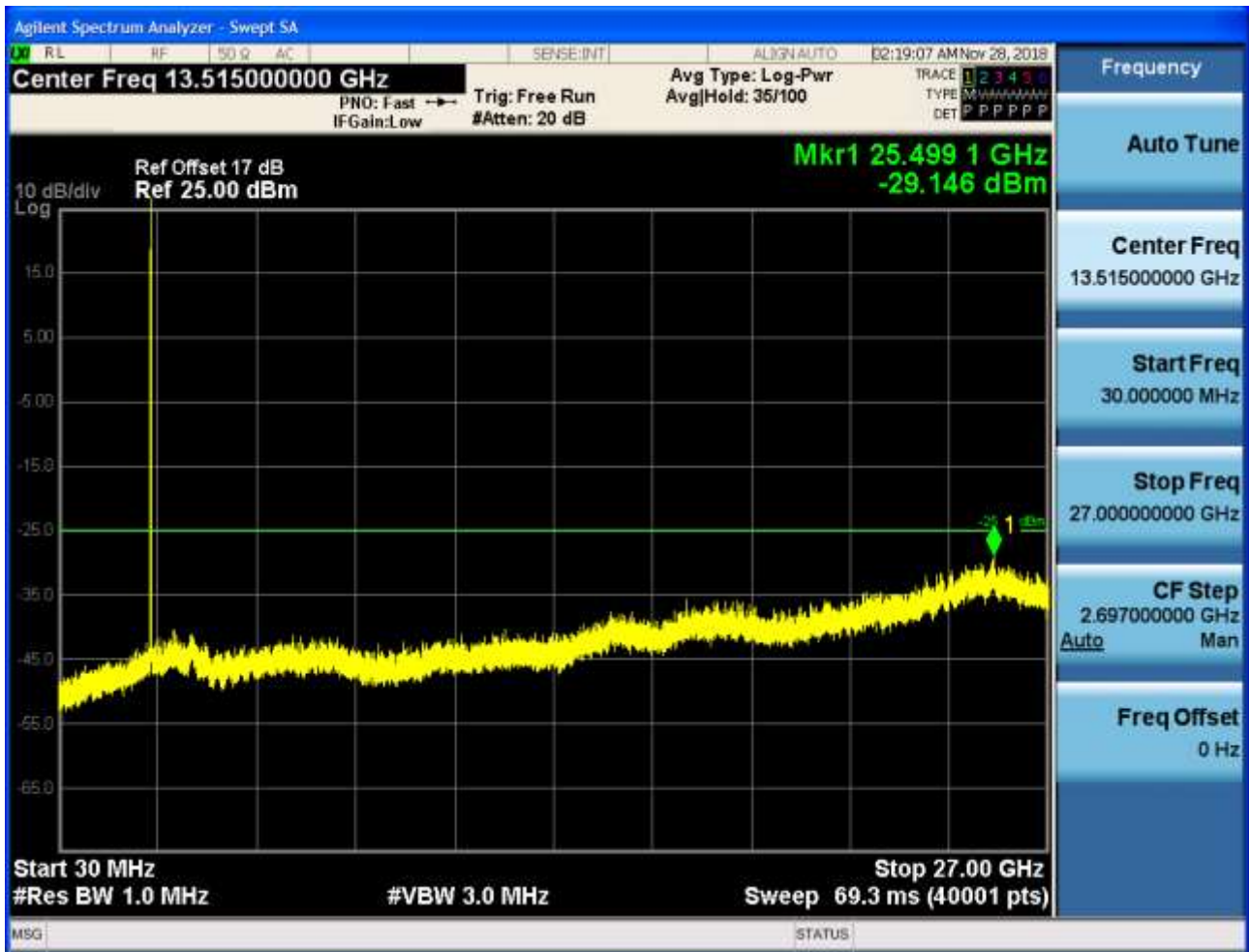


6.2.1.2.1.2 Test Channel = MCH

6.2.1.2.1.2.1 Test RB = RB1#0

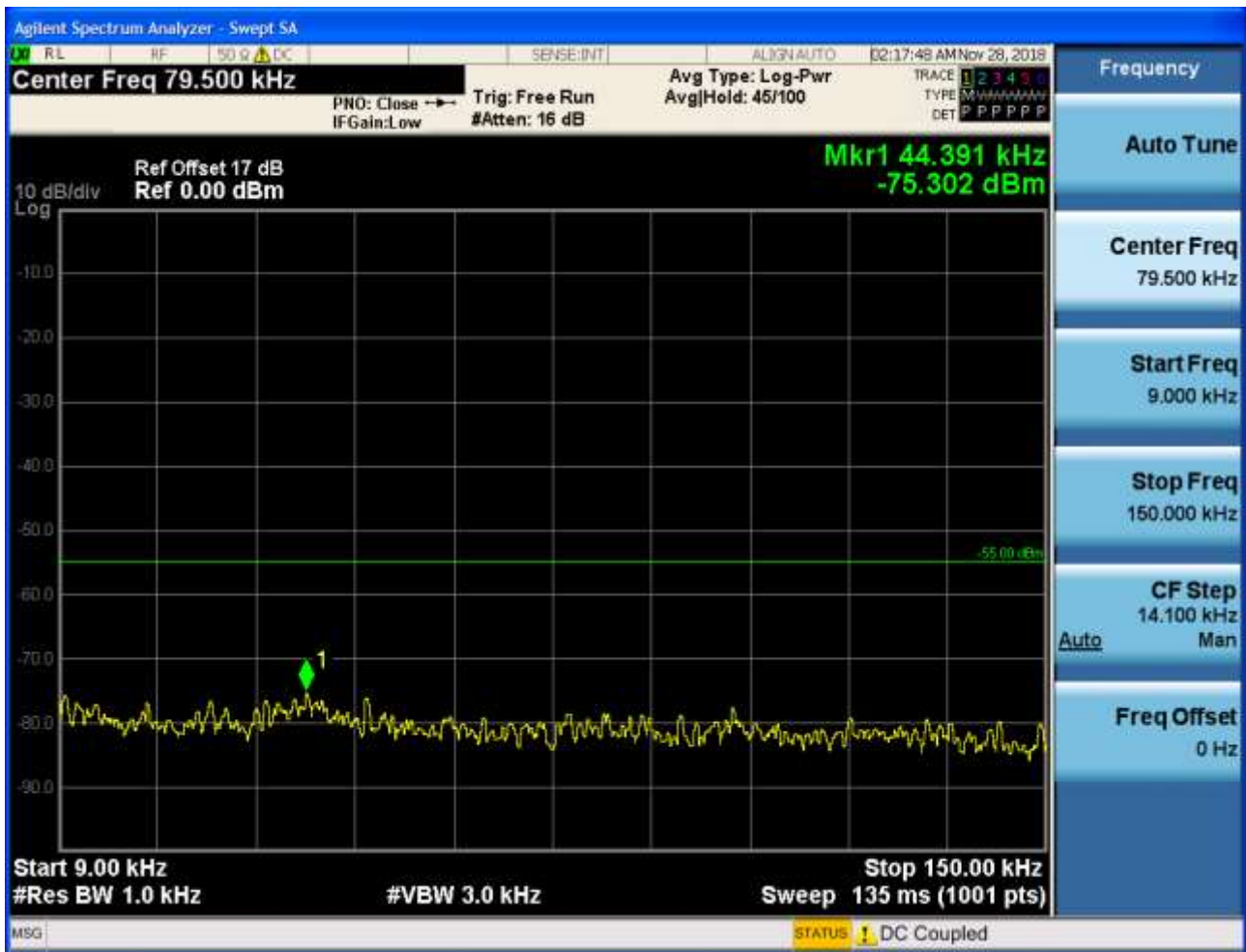






6.2.1.2.1.3 Test Channel = HCH

6.2.1.2.1.3.1 Test RB = RB1#0





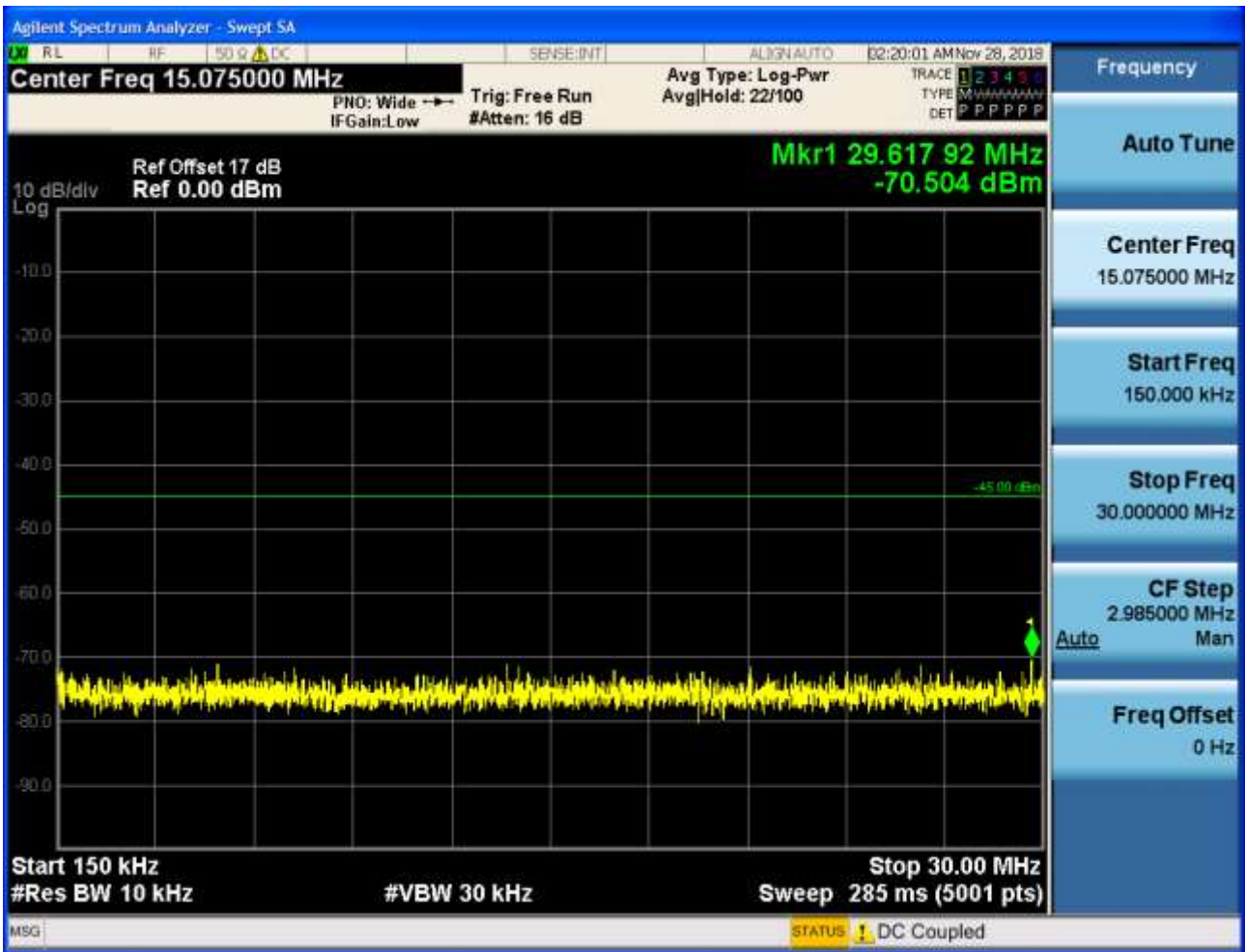


6.2.1.2.2 Test Bandwidth = 10

6.2.1.2.2.1 Test Channel = LCH

6.2.1.2.2.1.1 Test RB = RB1#0

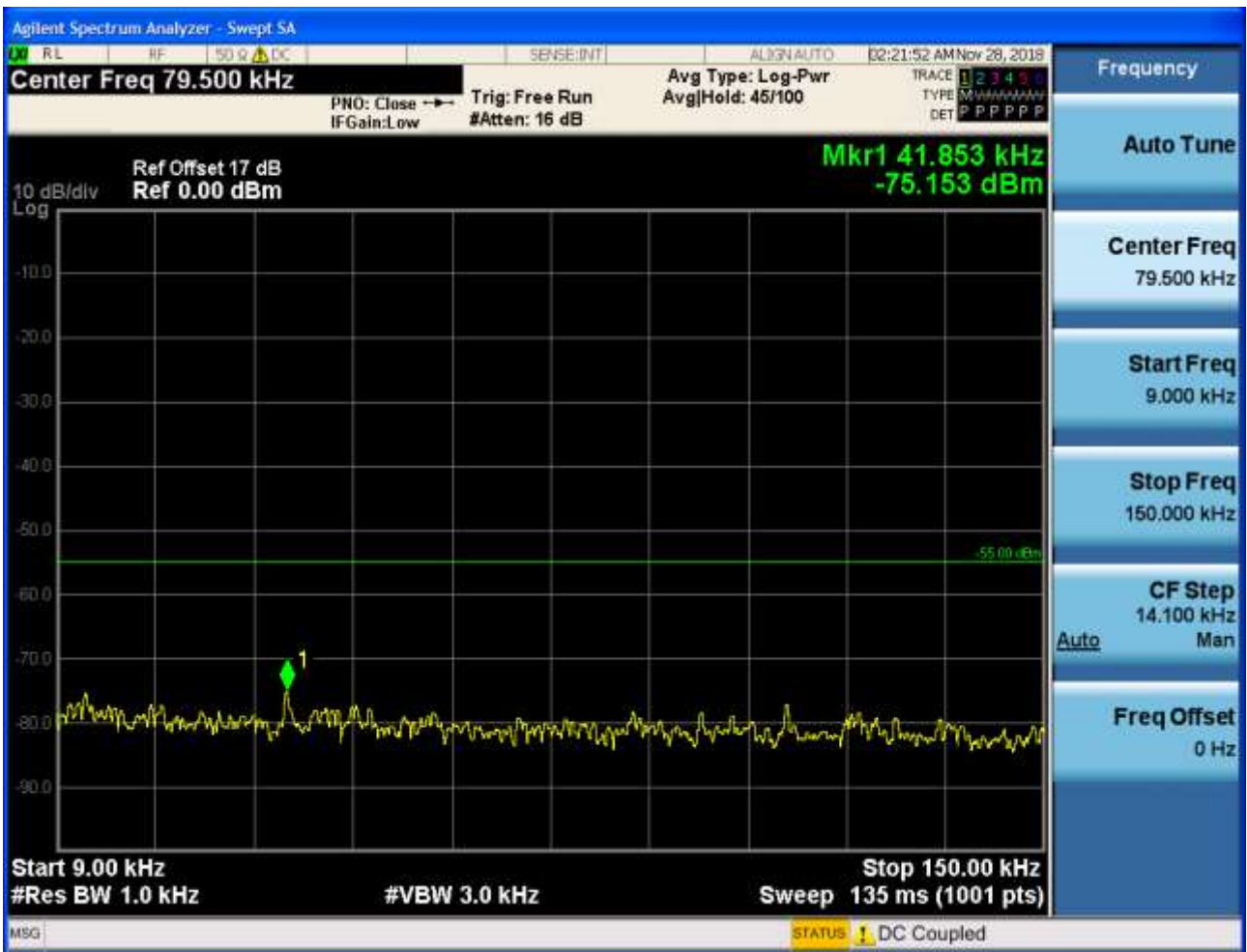


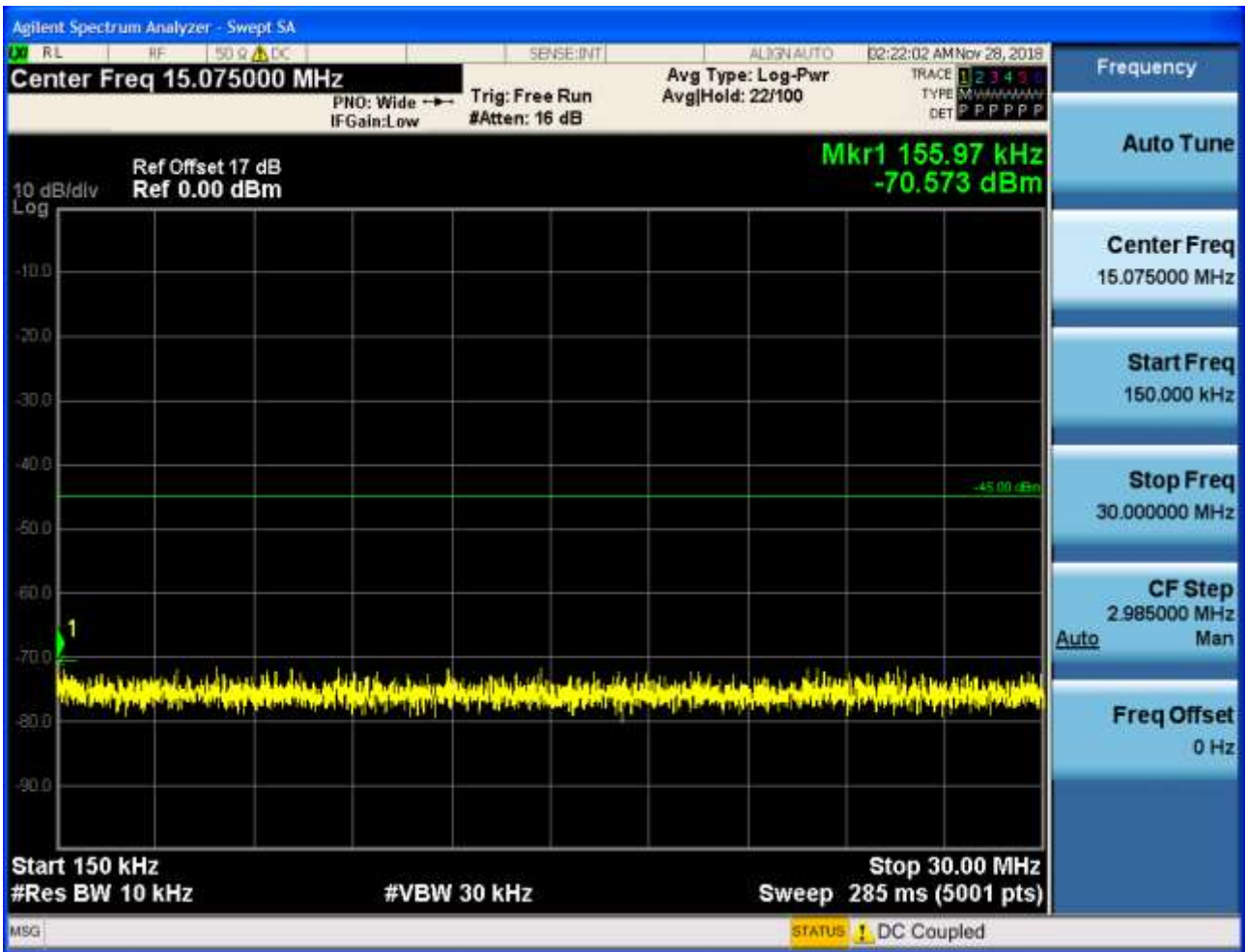


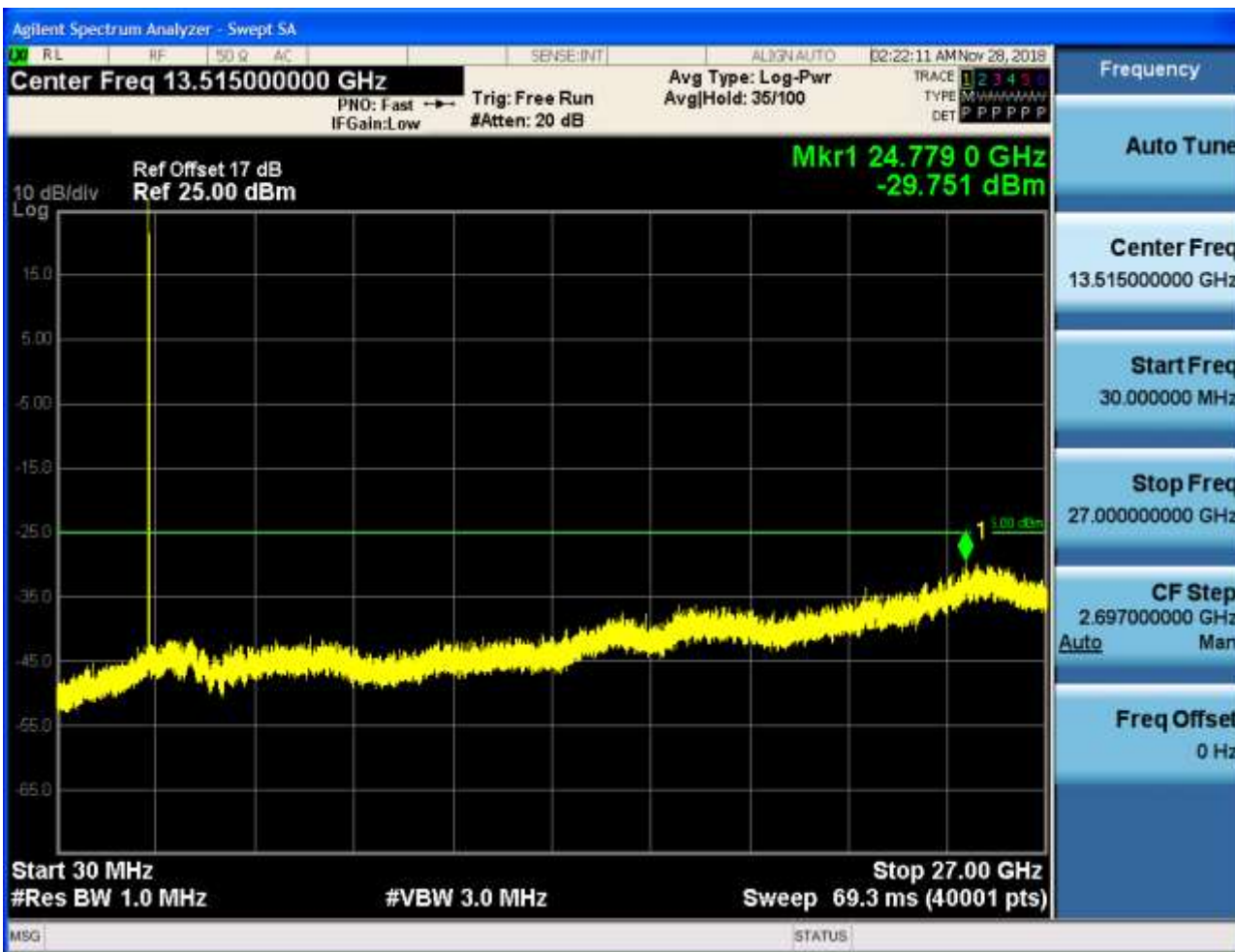


6.2.1.2.2.2 Test Channel = MCH

6.2.1.2.2.1 Test RB = RB1#0

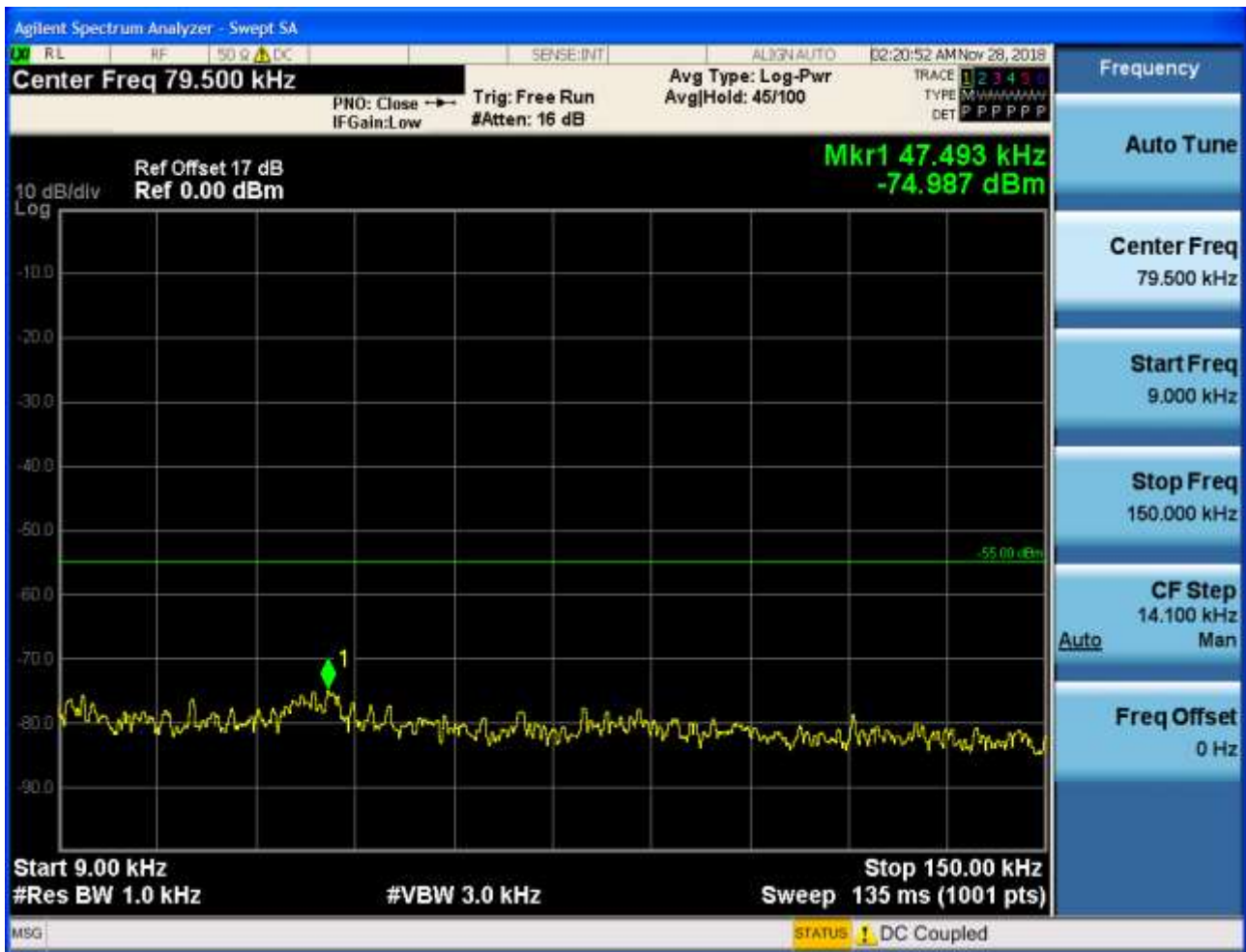






6.2.1.2.2.3 Test Channel = HCH

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



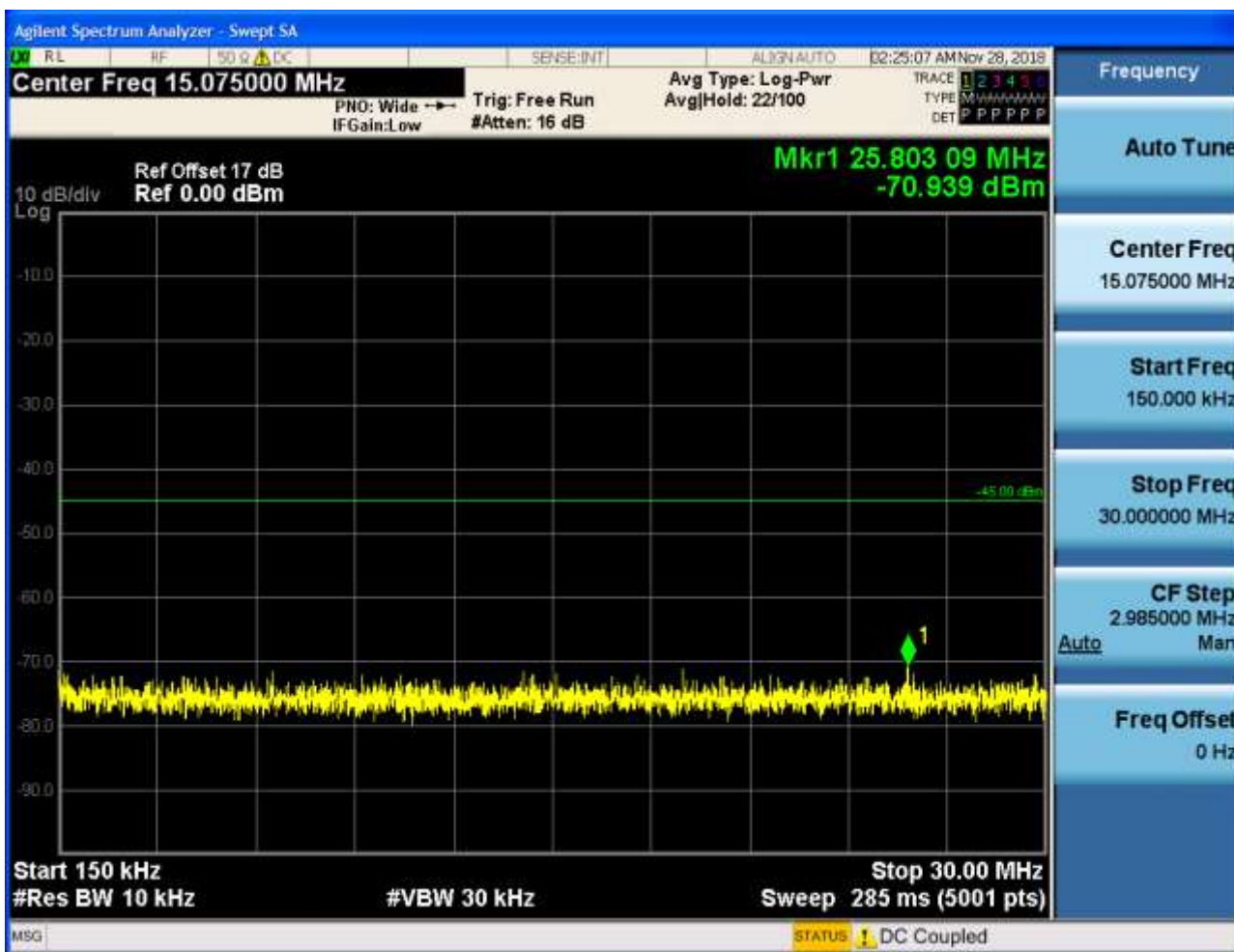




6.2.1.2.3.2 Test Channel = MCH

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



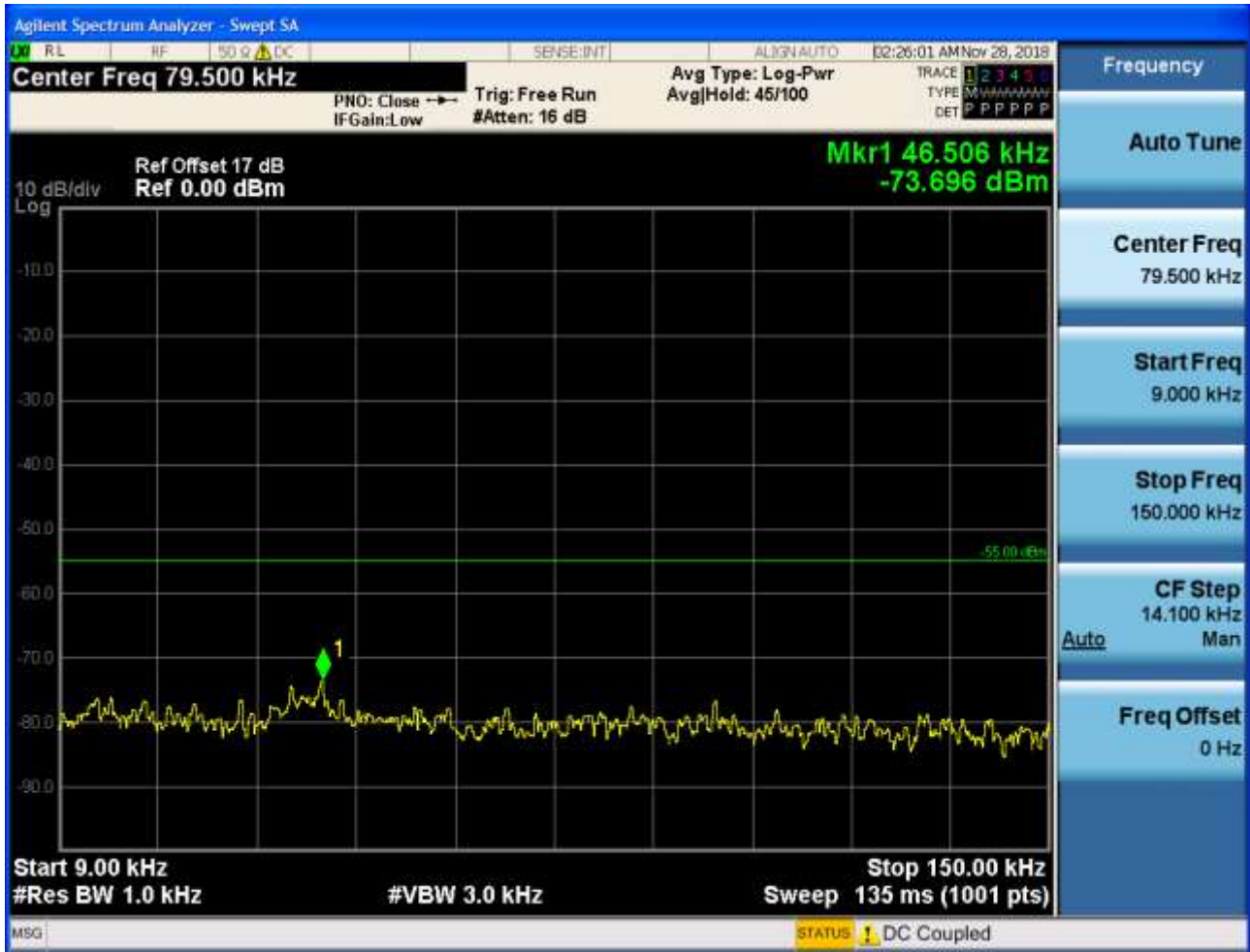


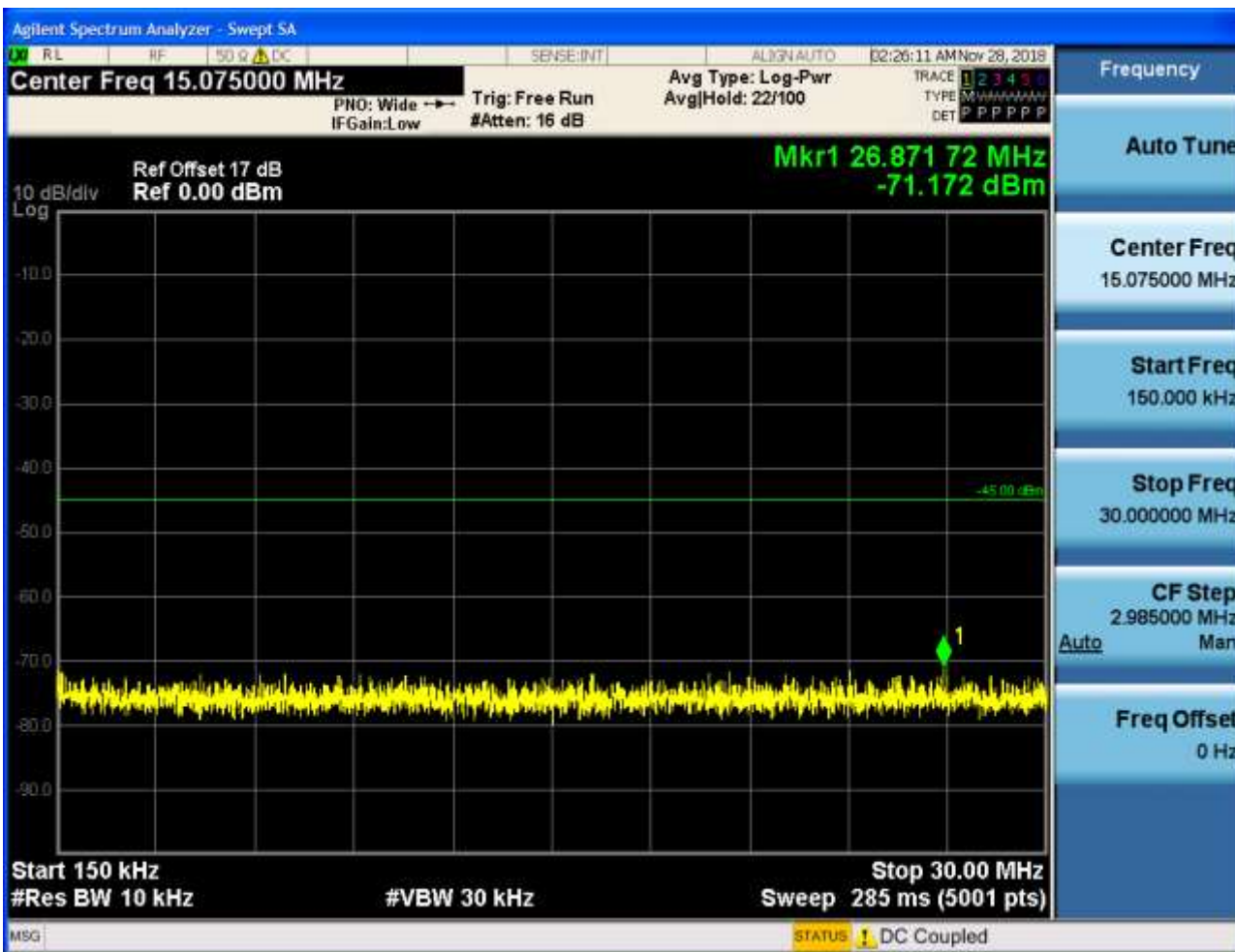


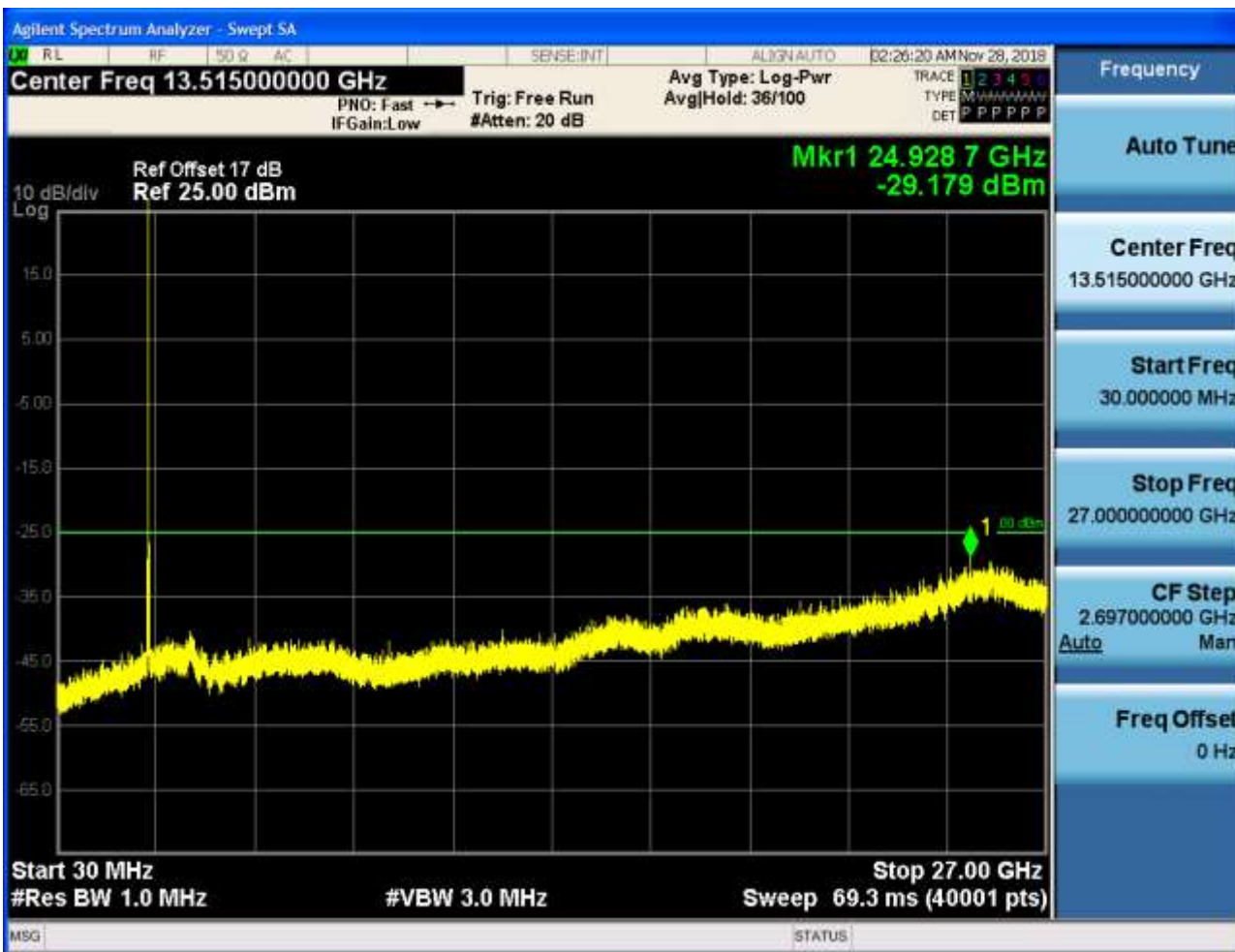
6.2.1.2.4 Test Bandwidth = 20

6.2.1.2.4.1 Test Channel = LCH

6.2.1.2.4.1.1 Test RB = RB1#0

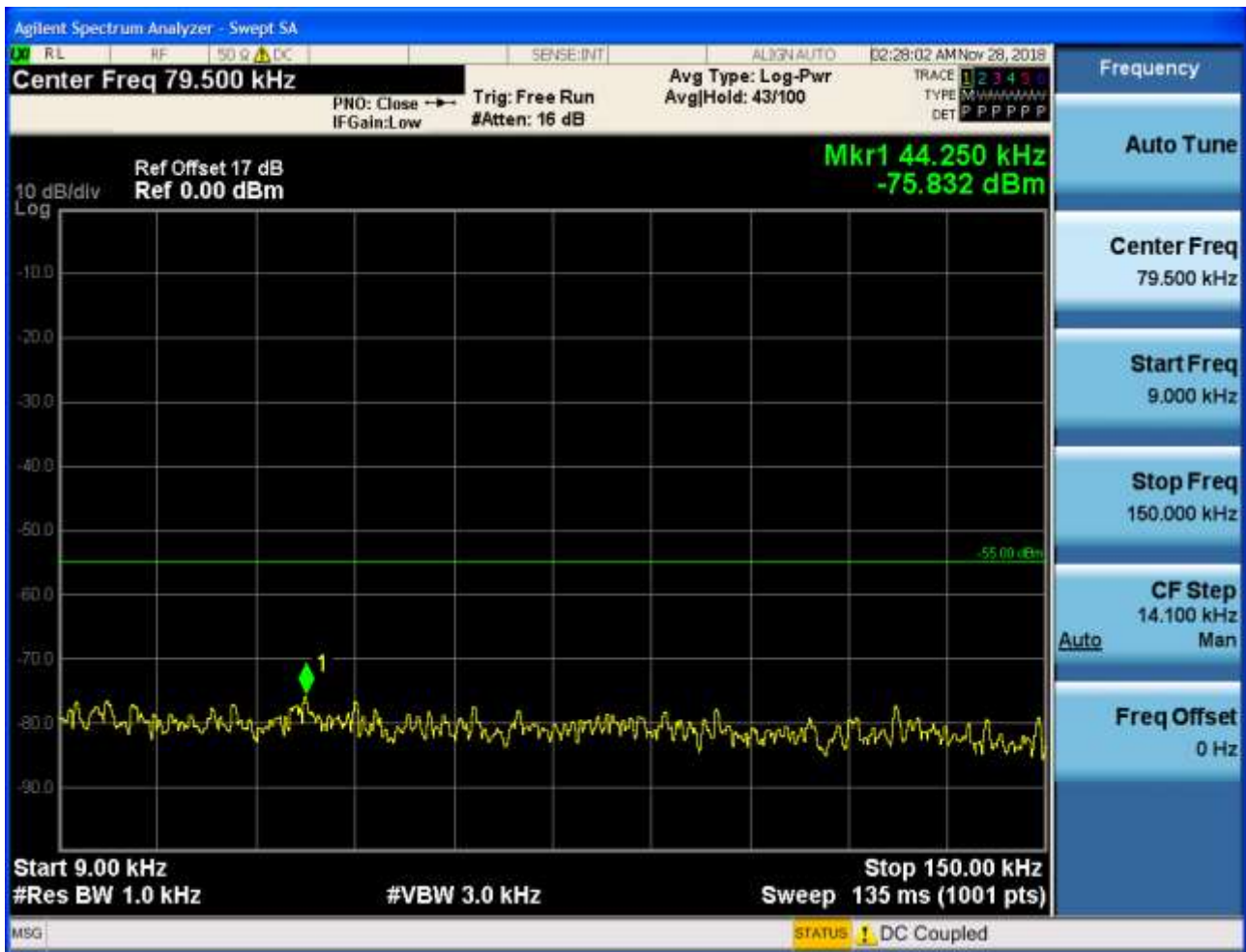


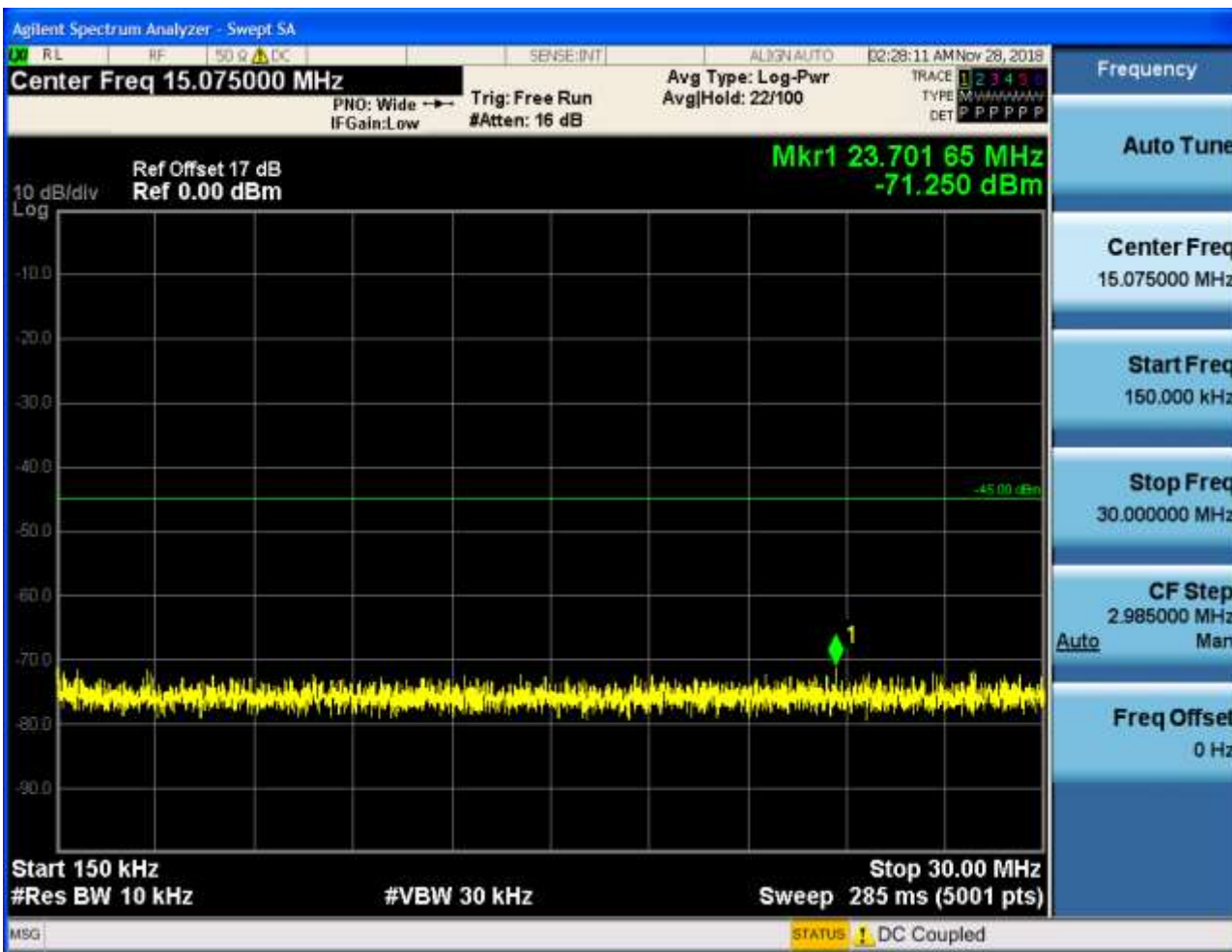


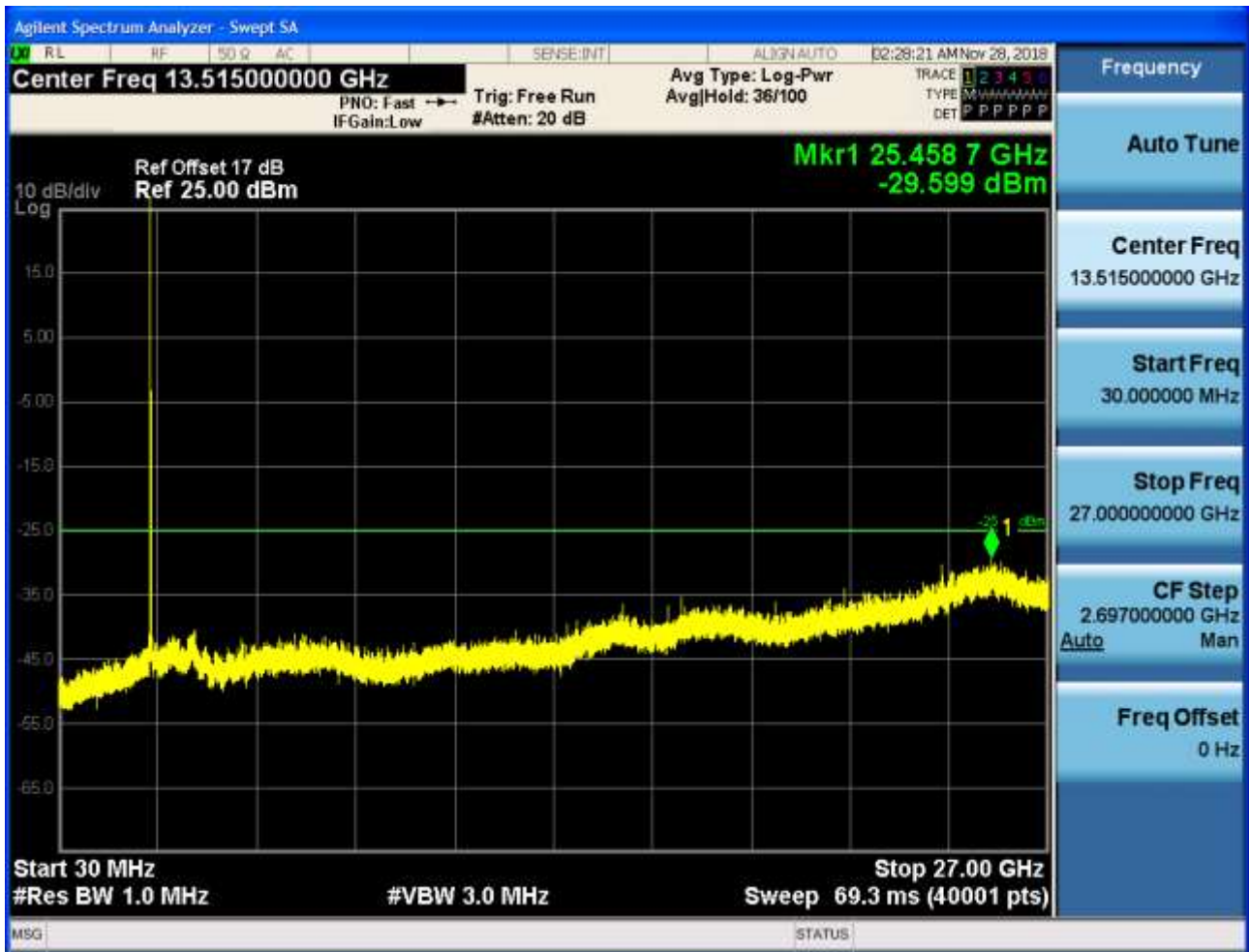


6.2.1.2.4.2 Test Channel = MCH

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

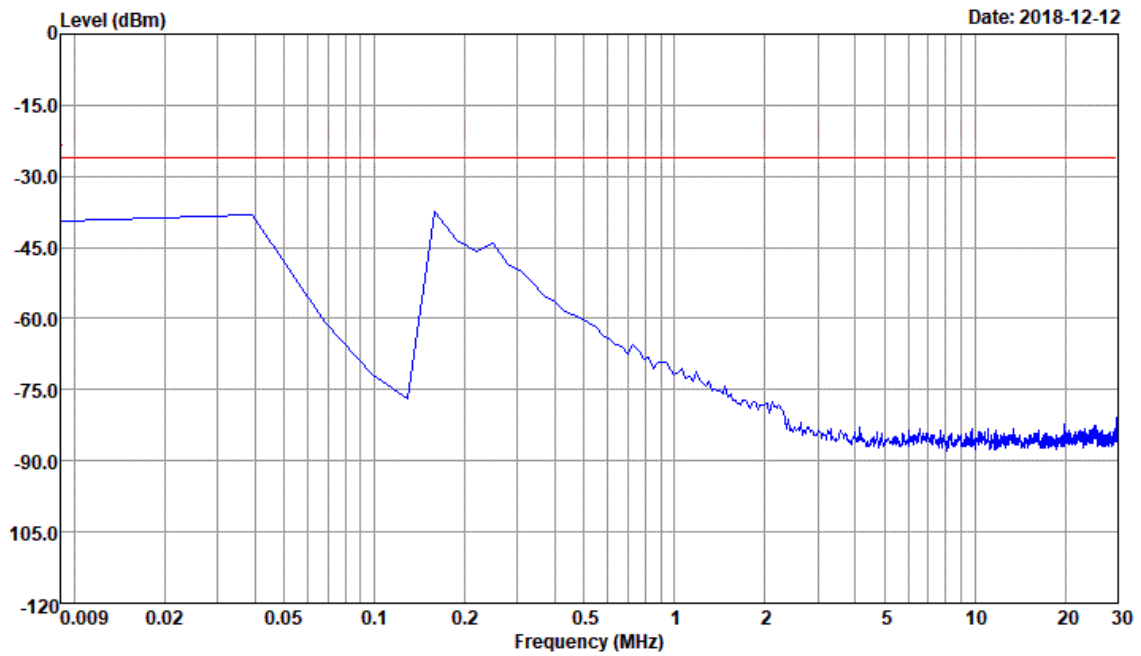
7.1 For LTE

7.1.1 Test Band = Band7_ANT1

7.1.1.1 Test Bandwidth = 5

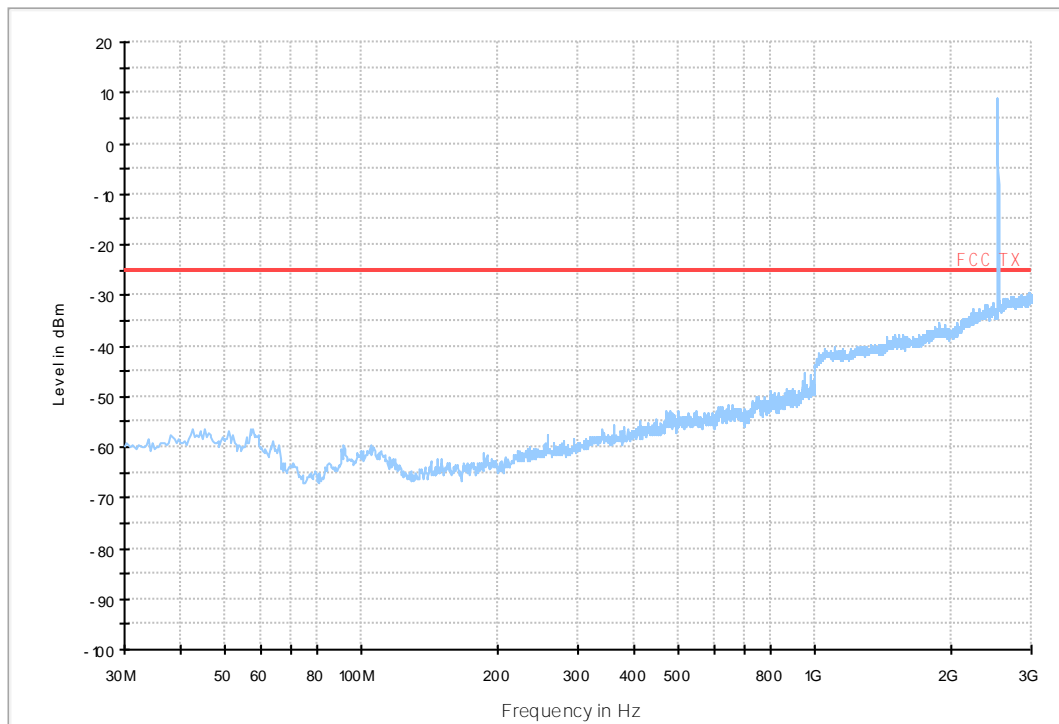


Data: 78

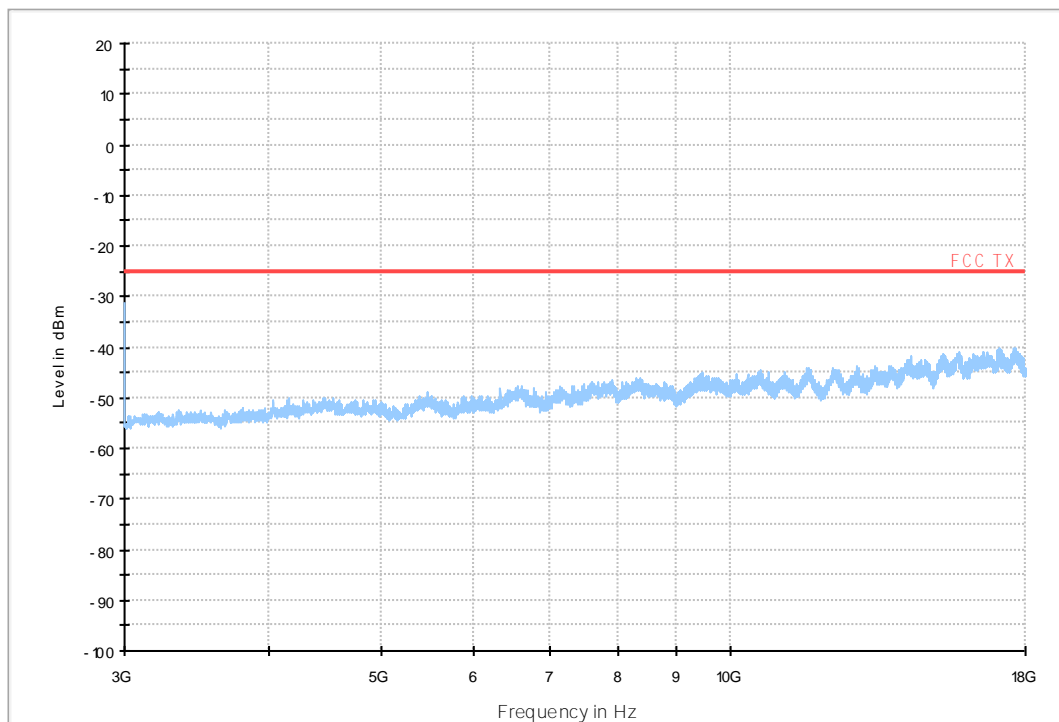


Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

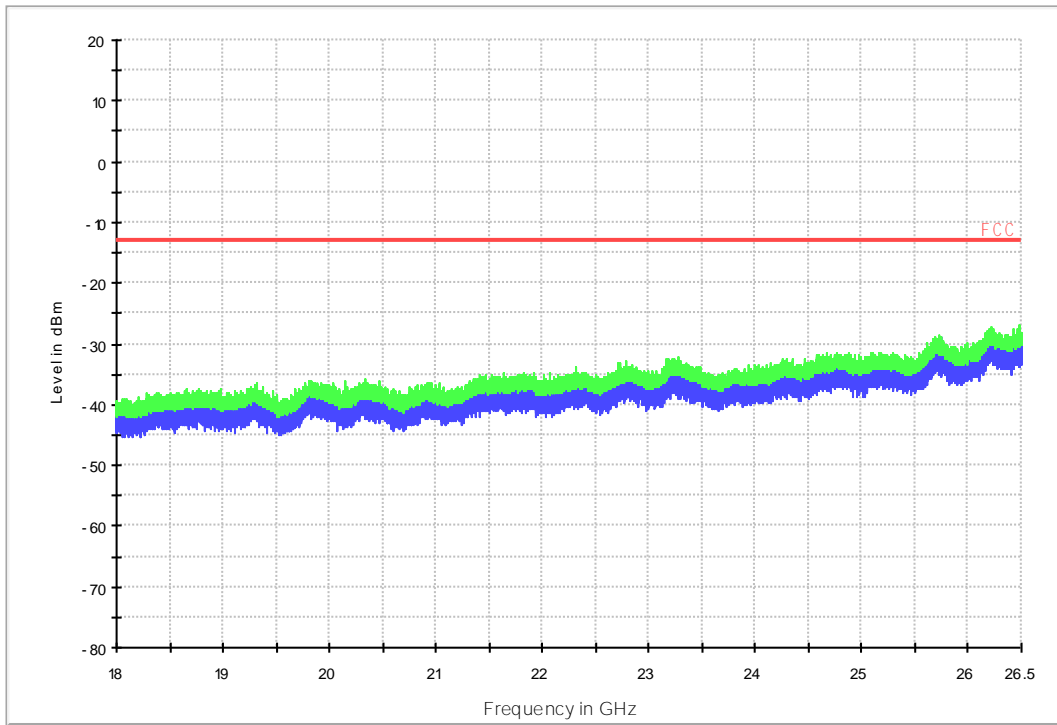
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



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



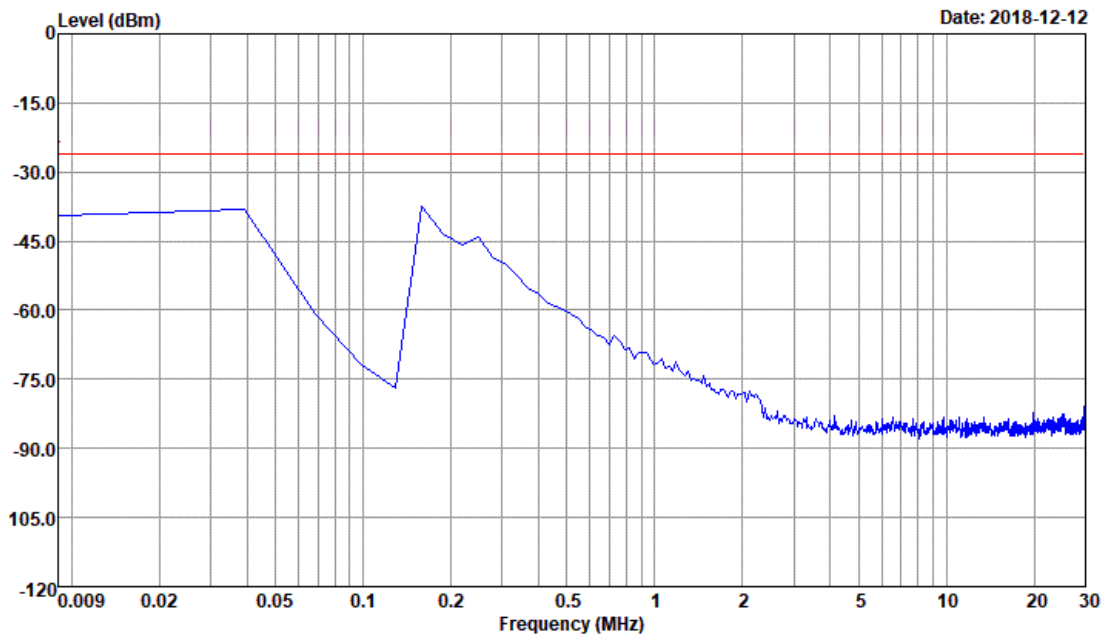
18G-26.5G R SE-TX-DIRECT OR ABOVE 1.5G PK



7.1.1.2 Test Bandwidth = 20

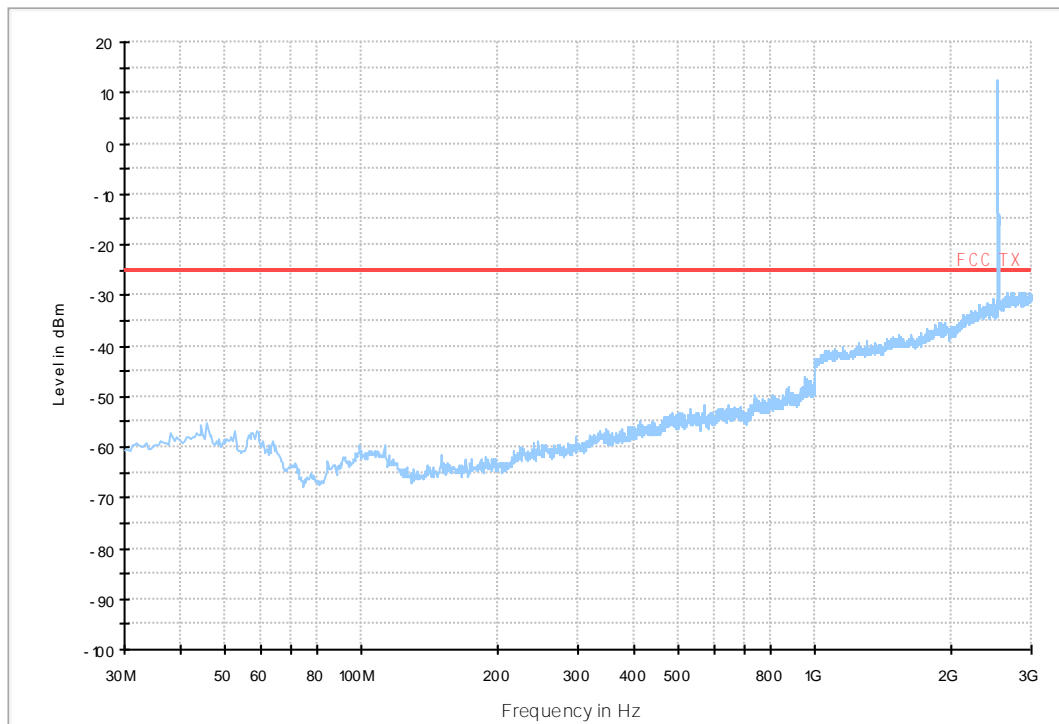


Data: 78

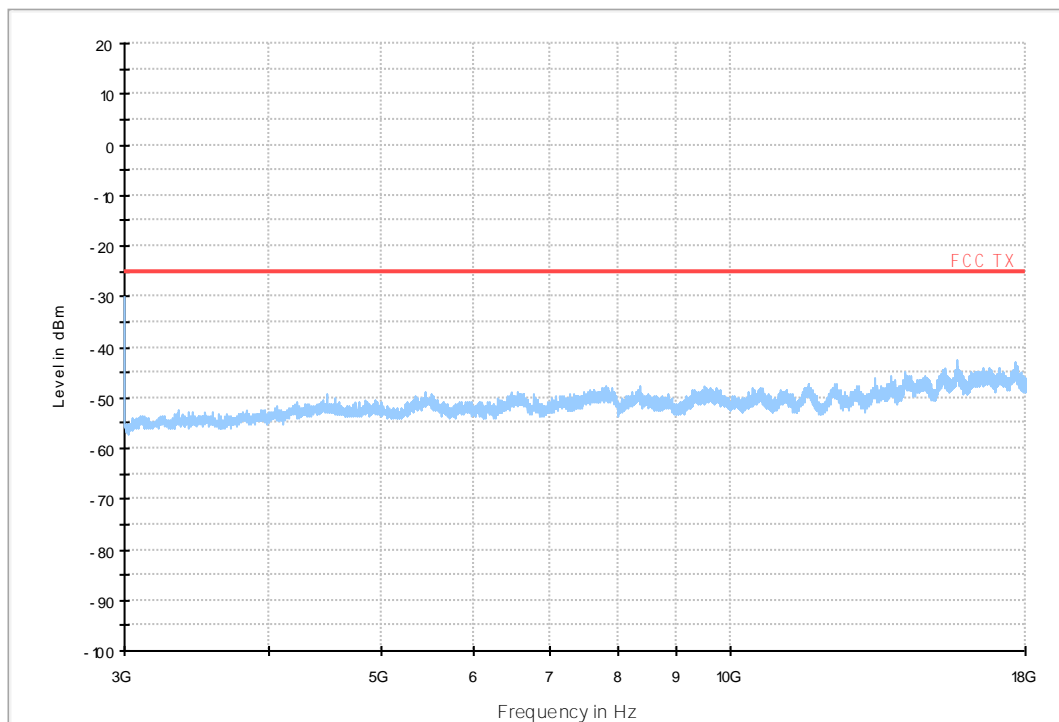


Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

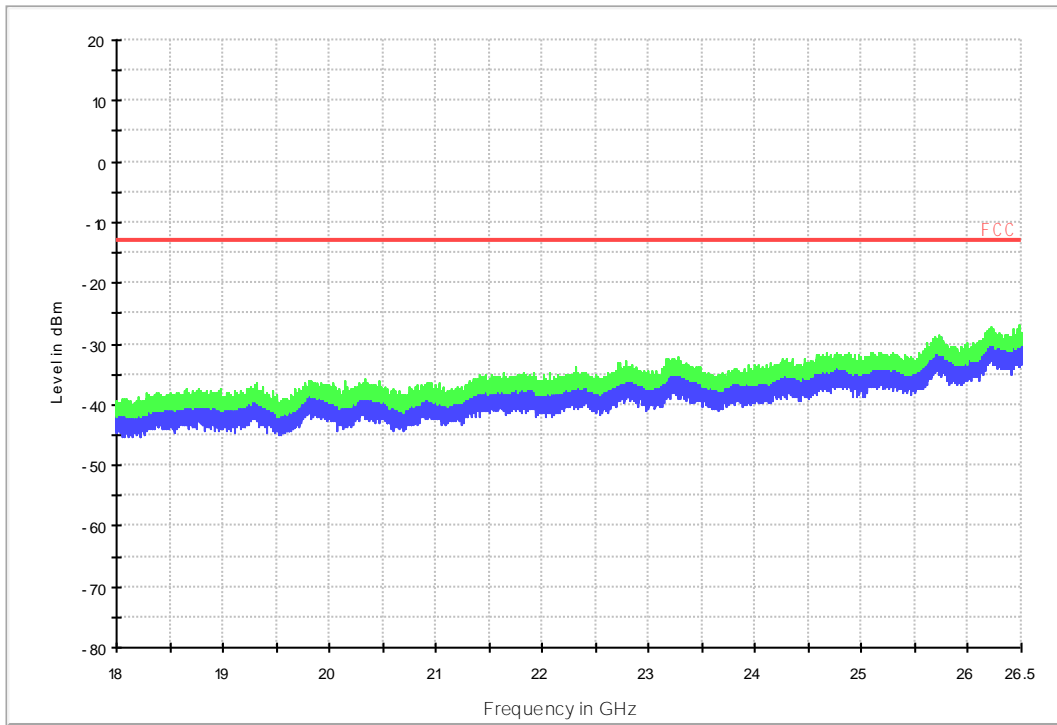
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



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



18G-26.5G R SE-TX-DIRECT OR ABOVE 1.5G PK



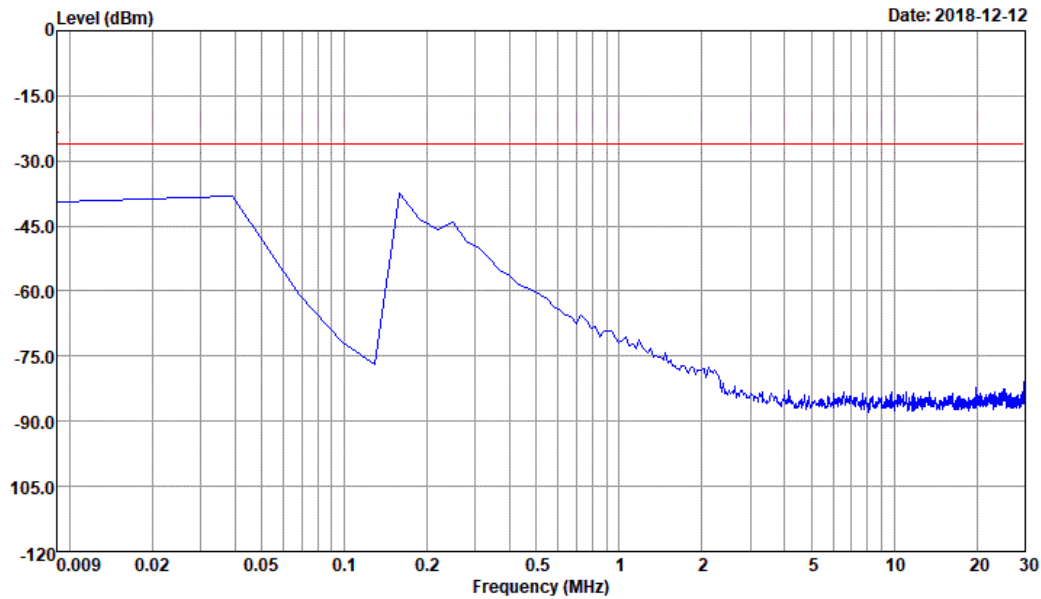
7.1.2 Test Band = Band7_ANT2

7.1.2.1 Test Bandwidth = 5



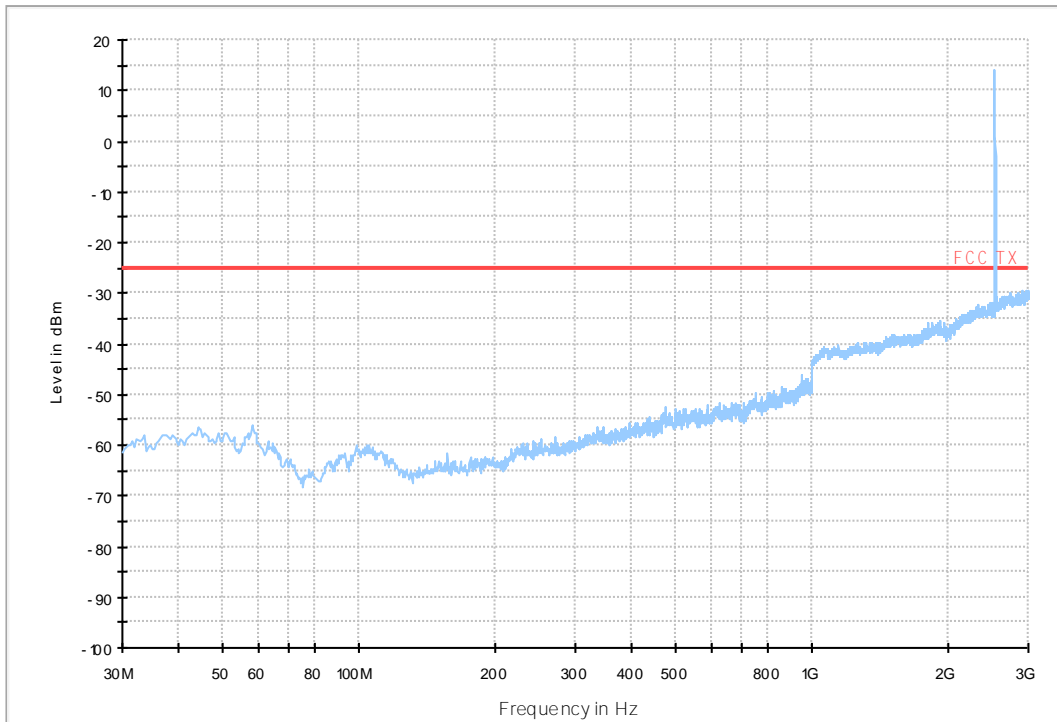
Data: 78

Date: 2018-12-12

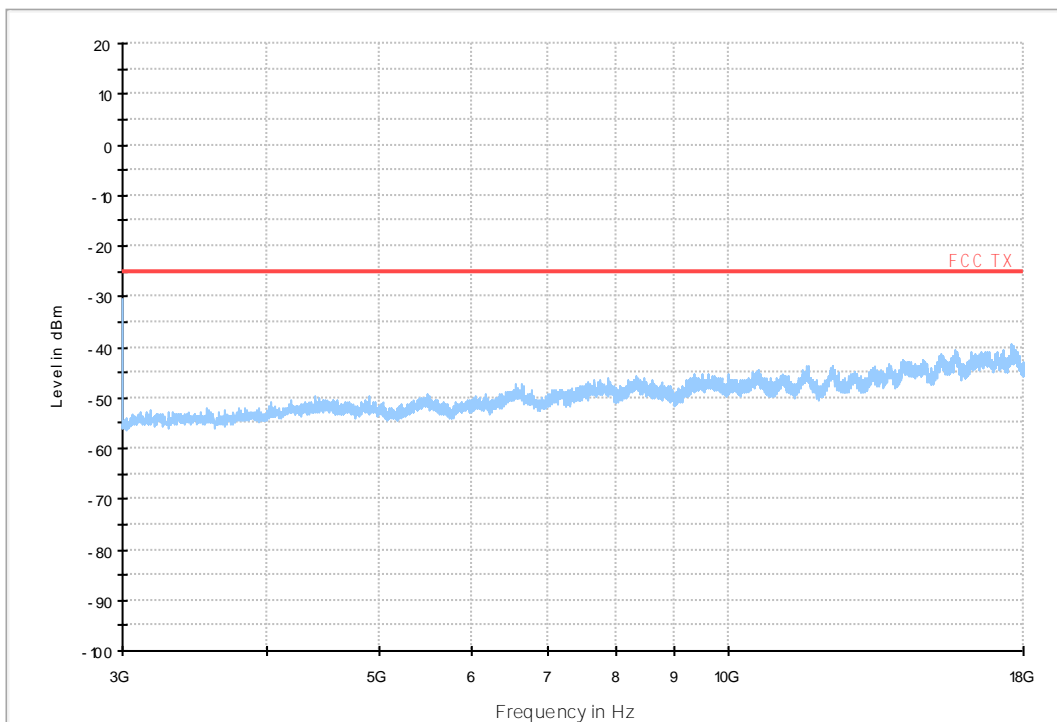


Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

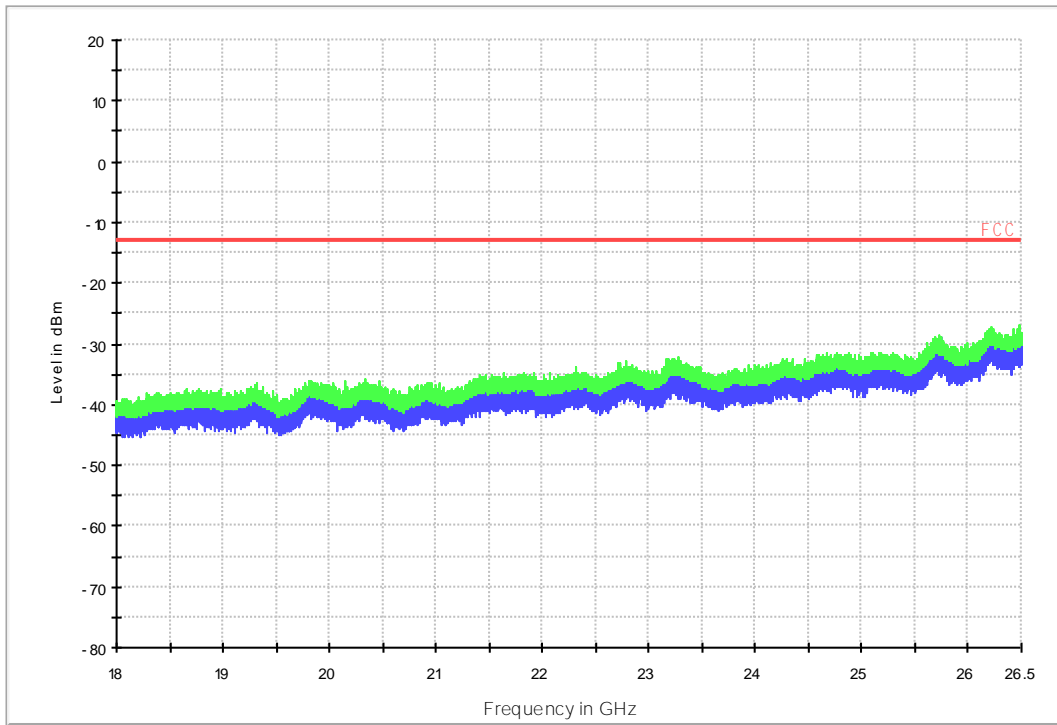
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



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



18G-26.5G R SE-TX-DIRECT OR ABOVE 1.5G PK

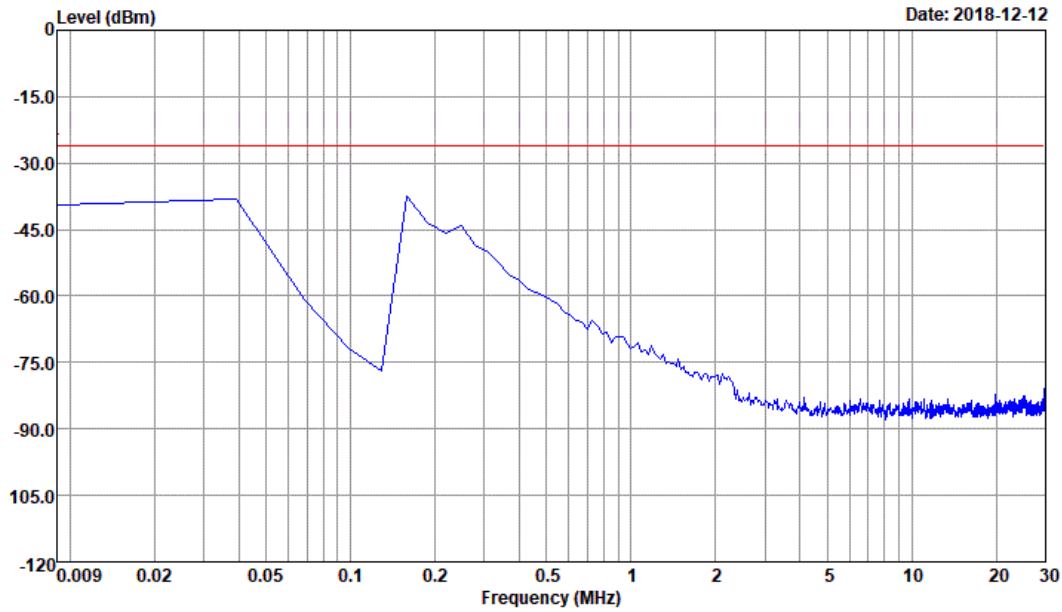


7.1.2.2 Test Bandwidth = 20



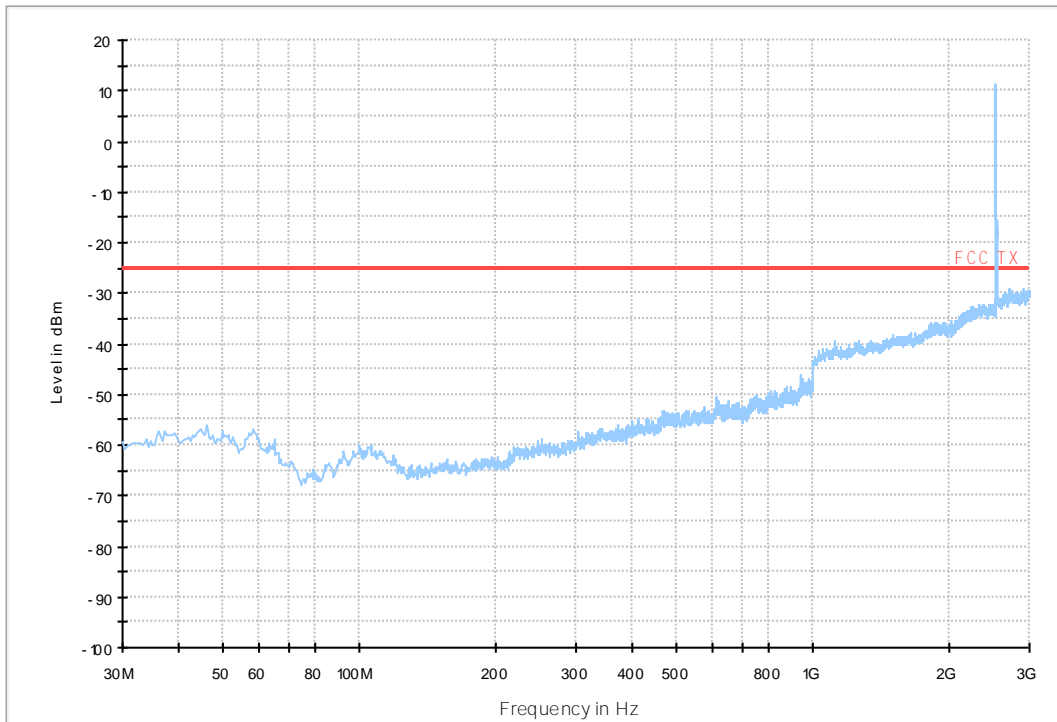
Data: 78

Date: 2018-12-12

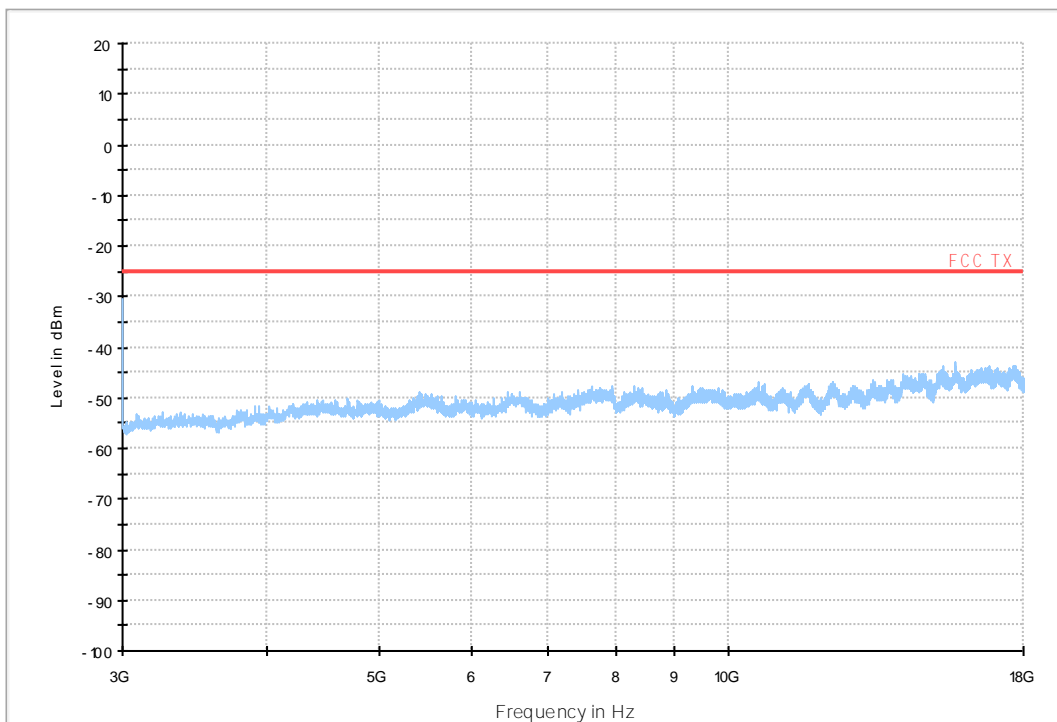


Site : 03CH01-SZ
Condition : -13DBM
: RBW:9.000KHz VBW:30.000KHz

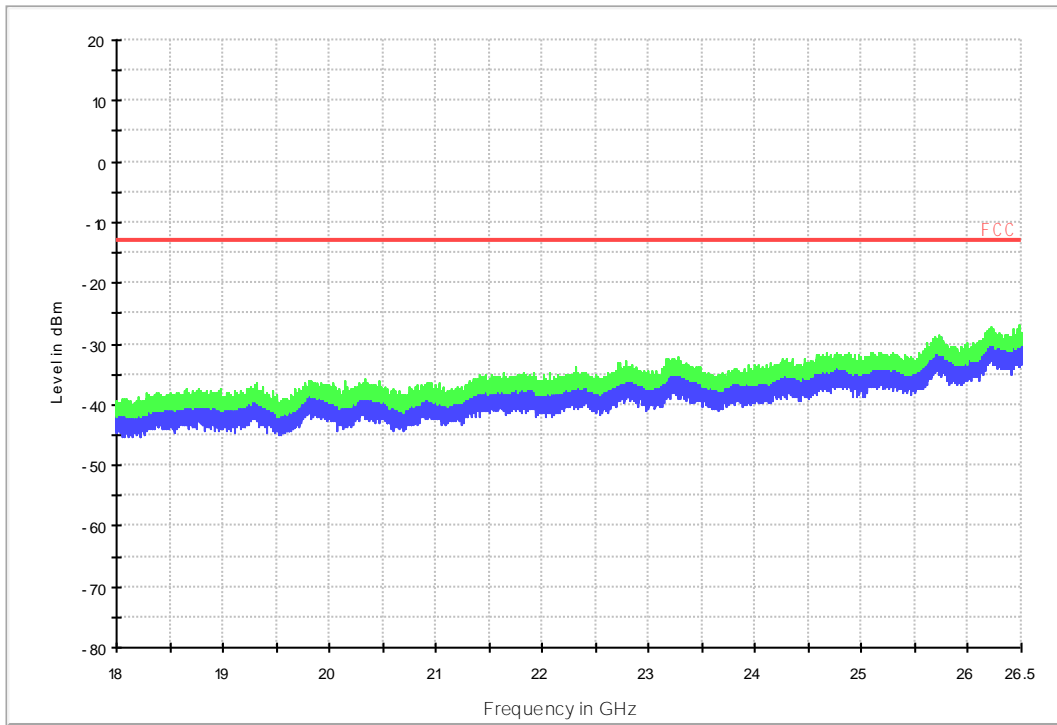
LTE Band 7 RSE-TX-DIRECTOR ABOVE 1.5G_L -25dBm limit



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



18G-26.5G R SE-TX-DIRECT OR ABOVE 1.5G PK



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1 Frequency 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
					VL	-2.80380	-0.00110	PASS
			HCH	TN	VN	-4.83513	-0.00189	PASS
					VH	0.55790	0.00022	PASS
					VL	-25.43449	-0.01016	PASS
		LCH	TN	VN	-35.40516	-0.01415	PASS	
				VH	-8.26836	-0.00330	PASS	
				VL	-2.10285	-0.00083	PASS	
		MCH	TN	VN	-26.62182	-0.01050	PASS	
				VH	1.04427	0.00041	PASS	
				VL	-2.71797	-0.00106	PASS	
		HCH	TN	VN	-11.97338	-0.00466	PASS	
				VH	-8.51154	-0.00332	PASS	
				VL	-3.13282	-0.00125	PASS	
		5	LCH	TN	VN	-20.75672	-0.00829	PASS
					VH	0.44346	0.00018	PASS
					VL	-0.45776	-0.00018	PASS
	MCH		TN	VN	-2.93255	-0.00116	PASS	
				VH	-11.94477	-0.00471	PASS	
				VL	-6.70910	-0.00262	PASS	
	HCH		TN	VN	-5.26428	-0.00205	PASS	
				VH	-16.22200	-0.00632	PASS	
				VL	0.47207	0.00019	PASS	
	10	LCH	TN	VN	1.01566	0.00041	PASS	
				VH	-2.16007	-0.00086	PASS	
				VL	-0.58651	-0.00023	PASS	
		MCH	TN	VN	-1.70231	-0.00067	PASS	
				VH	0.62943	0.00025	PASS	
				VL	-0.95844	-0.00037	PASS	
		HCH	TN	VN	-5.92232	-0.00231	PASS	
				VH	-6.99520	-0.00273	PASS	
				VL	-0.35763	-0.00014	PASS	
	15	LCH	TN	VN	-2.57492	-0.00103	PASS	
				VH	-1.07288	-0.00043	PASS	
				VL	-0.58651	-0.00023	PASS	
MCH		TN	VN	-1.35899	-0.00054	PASS		
			VH	2.60353	0.00103	PASS		
			VL					
20	LCH	TN	VN					
			VH					
			VL					
	MCH	TN	VN					
			VH					
			VL					

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			
			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			
			15					40	-5.70774	-0.00223	PASS
								50	-2.48909	-0.00097	PASS
								-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
			MCH	VN				50	-65.86075	-0.02627	PASS
								-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		
					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			
		MCH	VN	50	-1.21593	-0.00048	PASS			
				-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			
		HCH	VN	40	-3.67641	-0.00145	PASS			
				50	-2.54631	-0.00100	PASS			
				-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
	LTE/TM2	5	LCH	VN	50	1.10149	0.00043	PASS
					-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	-0.00992	PASS
					-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	-0.01306	PASS
					-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	-5.62191	-0.00224	PASS
					-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	0.00014	PASS		
			-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		
			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			
		MCH	VN	50	-4.50611	-0.00180	PASS			
				-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			
		HCH	VN	40	-2.76089	-0.00109	PASS			
				50	-0.04292	-0.00002	PASS			
				-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					
		15					-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			
		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