





6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0







6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0

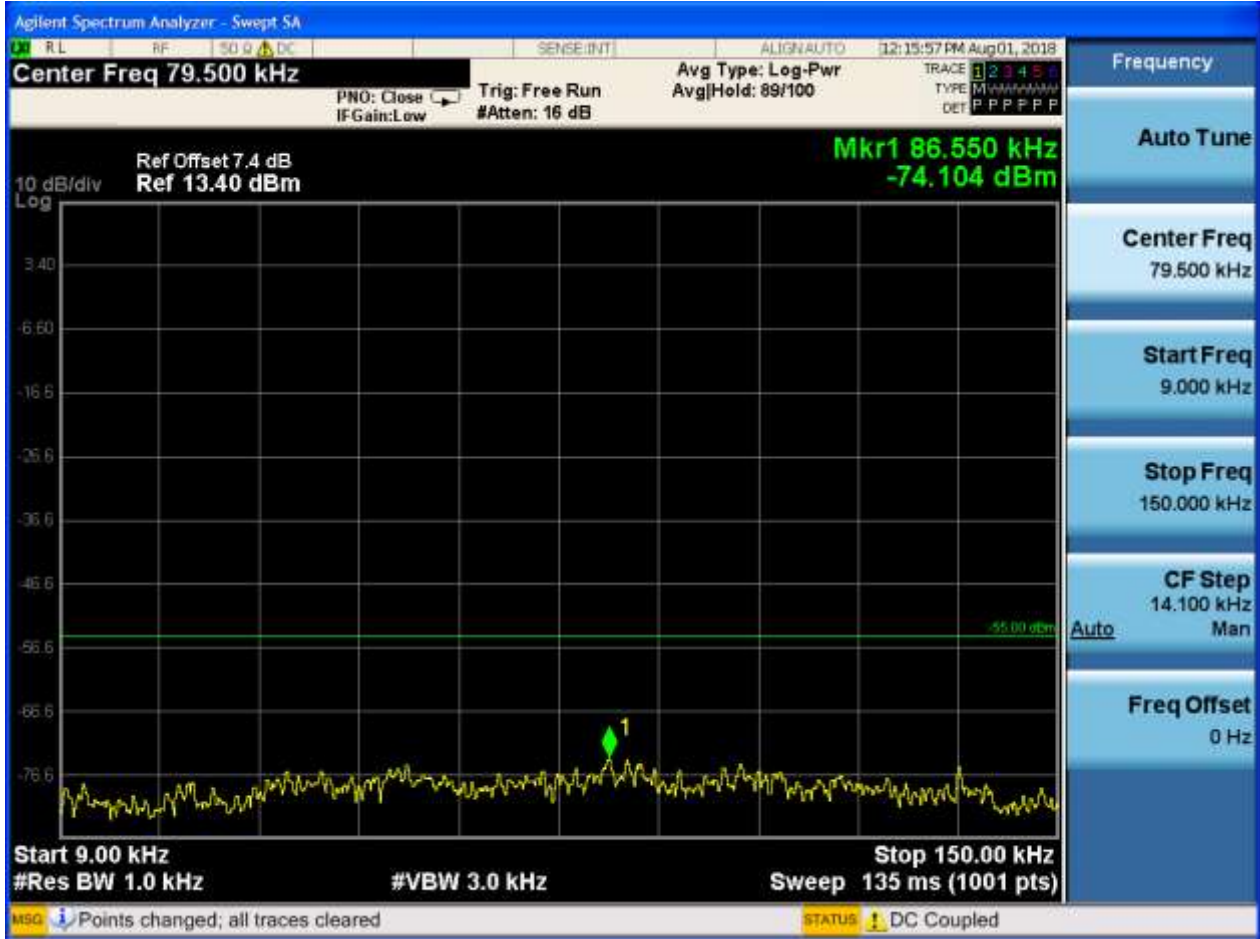






6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0

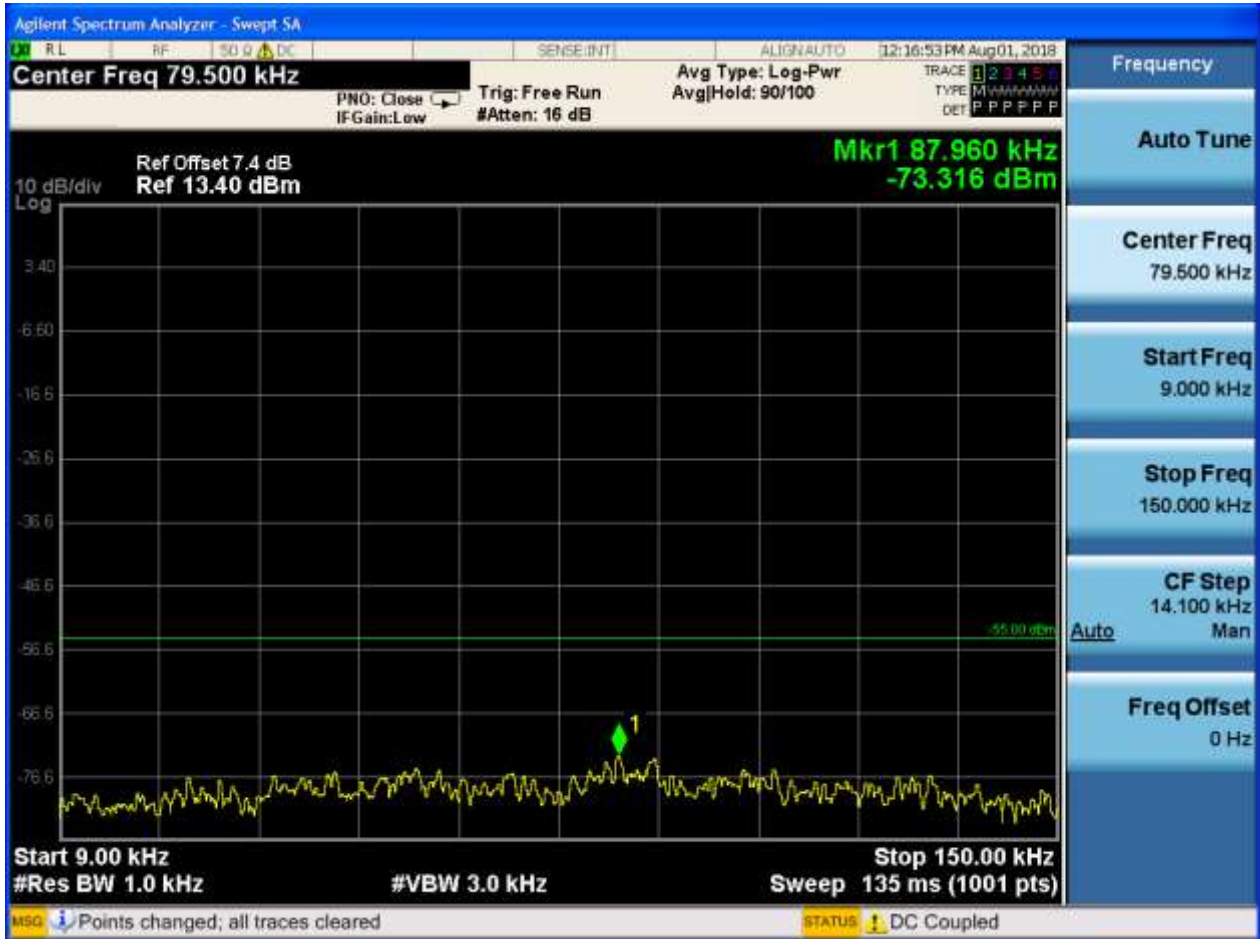






6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







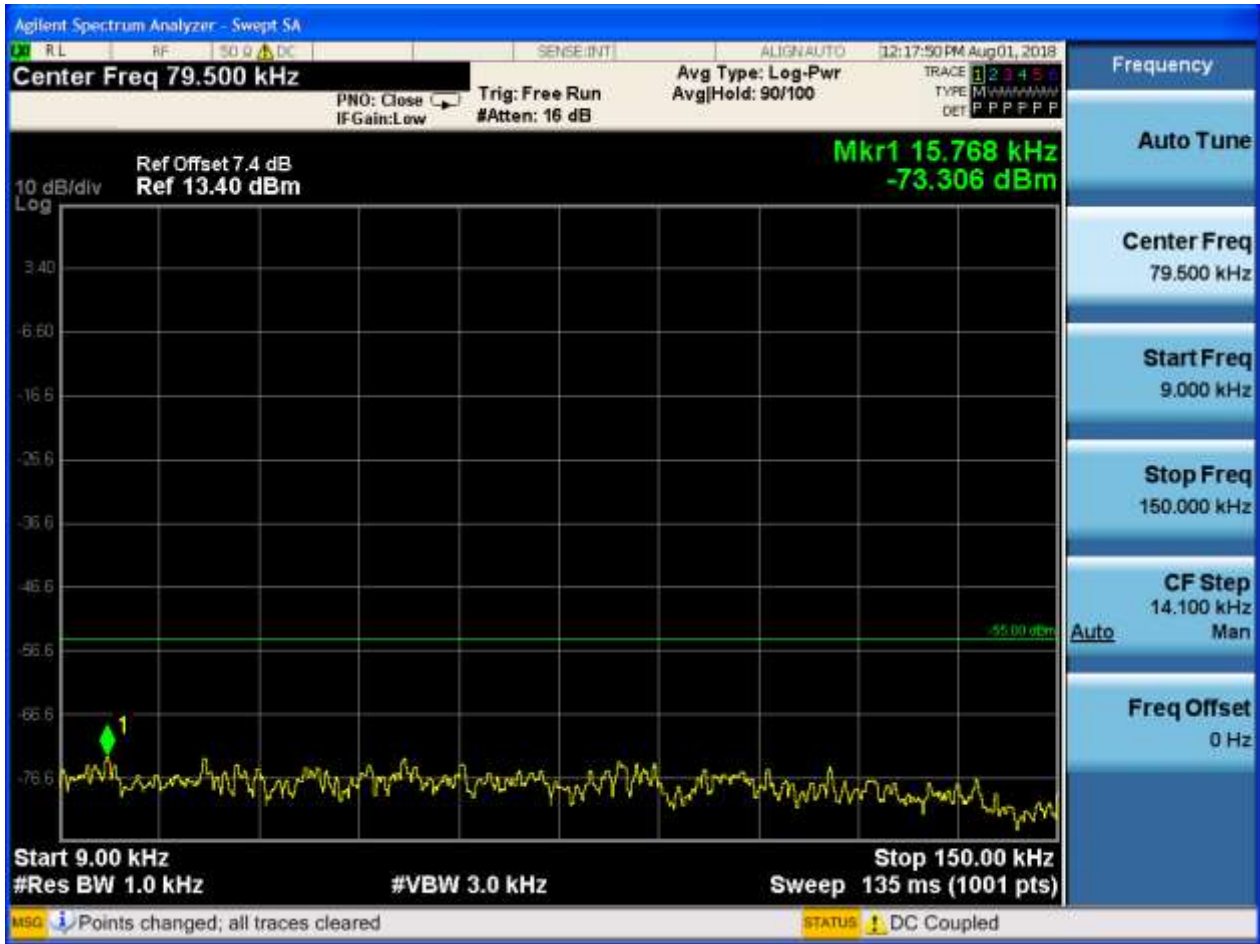


6.1.1.2 Test Mode = LTE/TM2

6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0







6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0







6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0



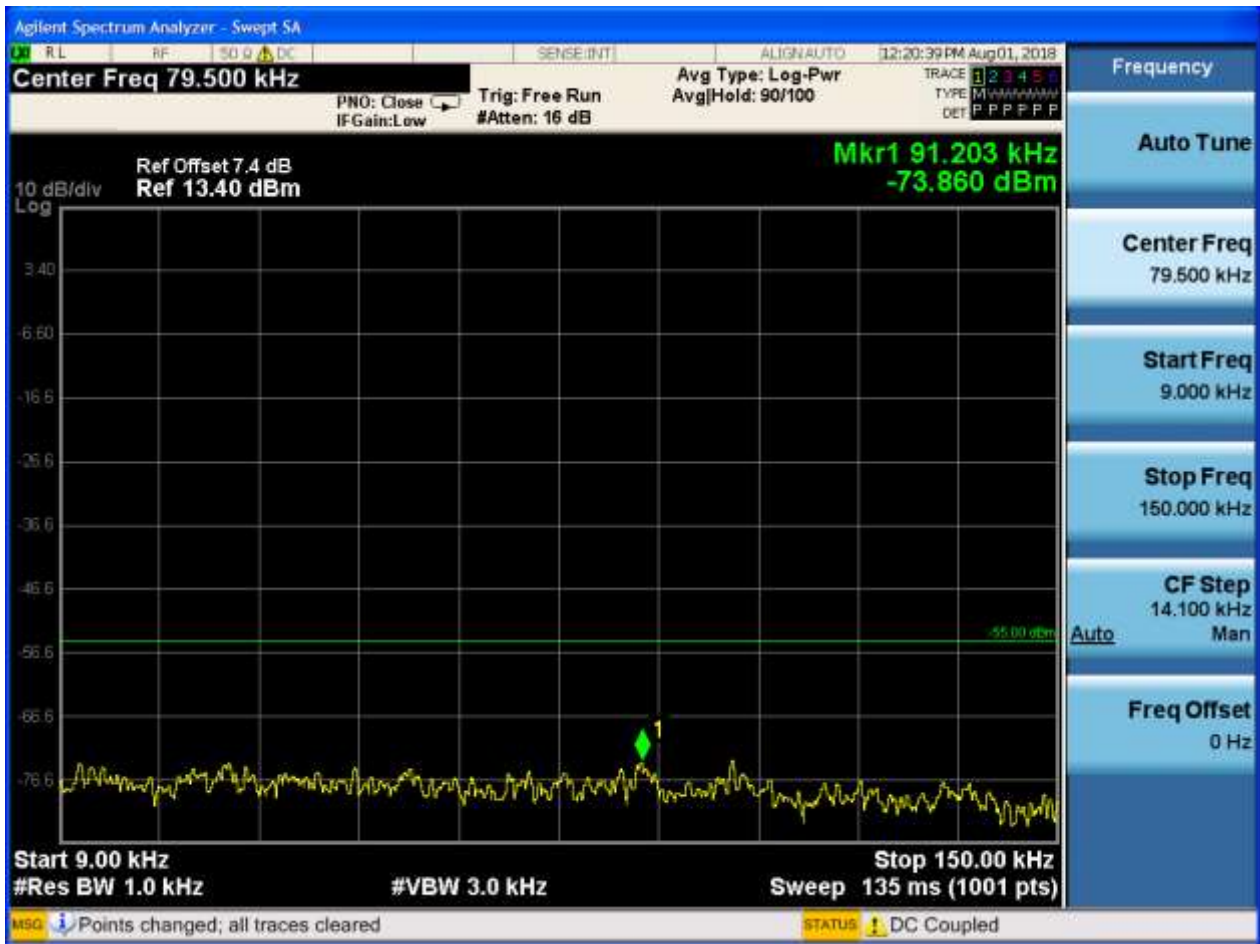




6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

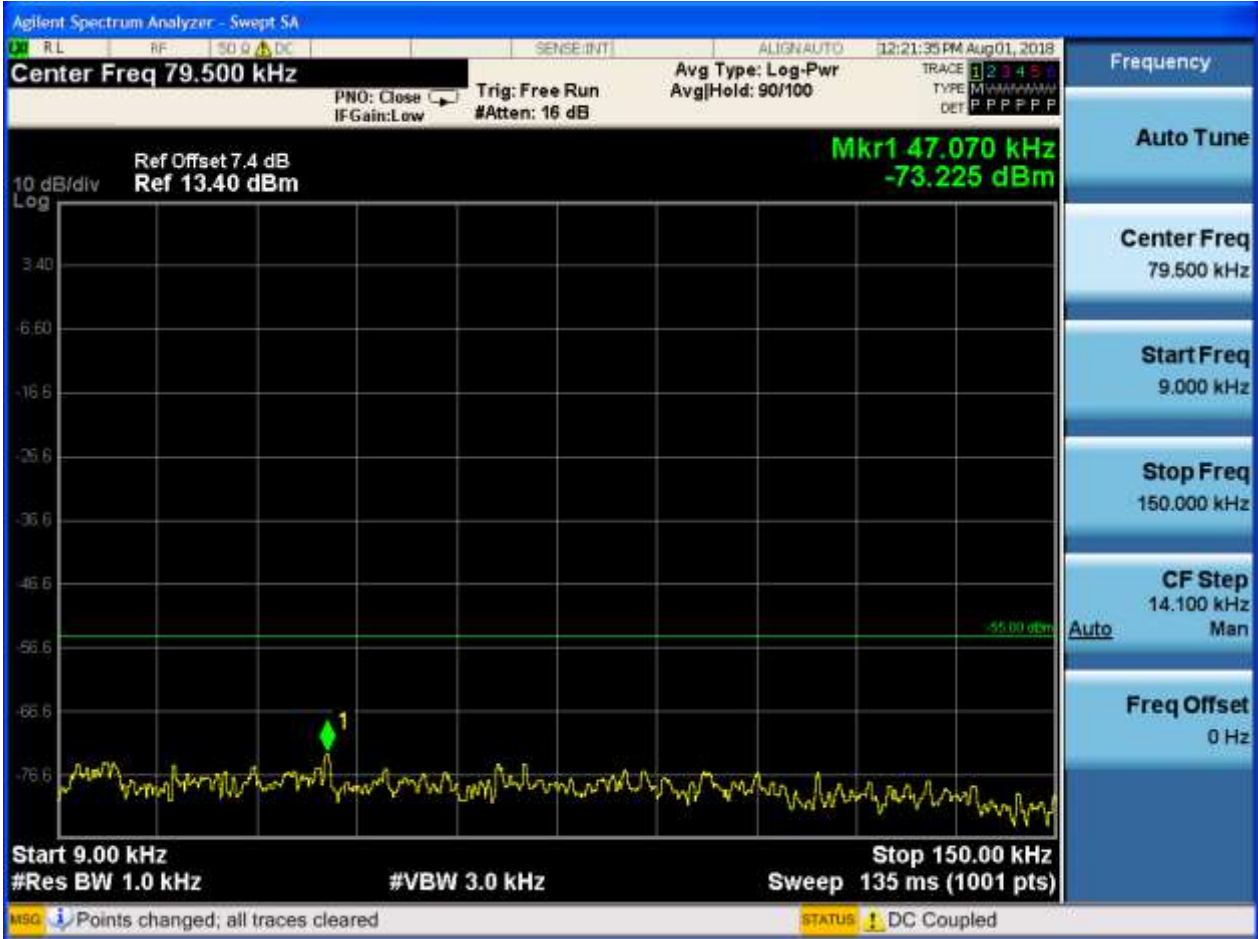






6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0

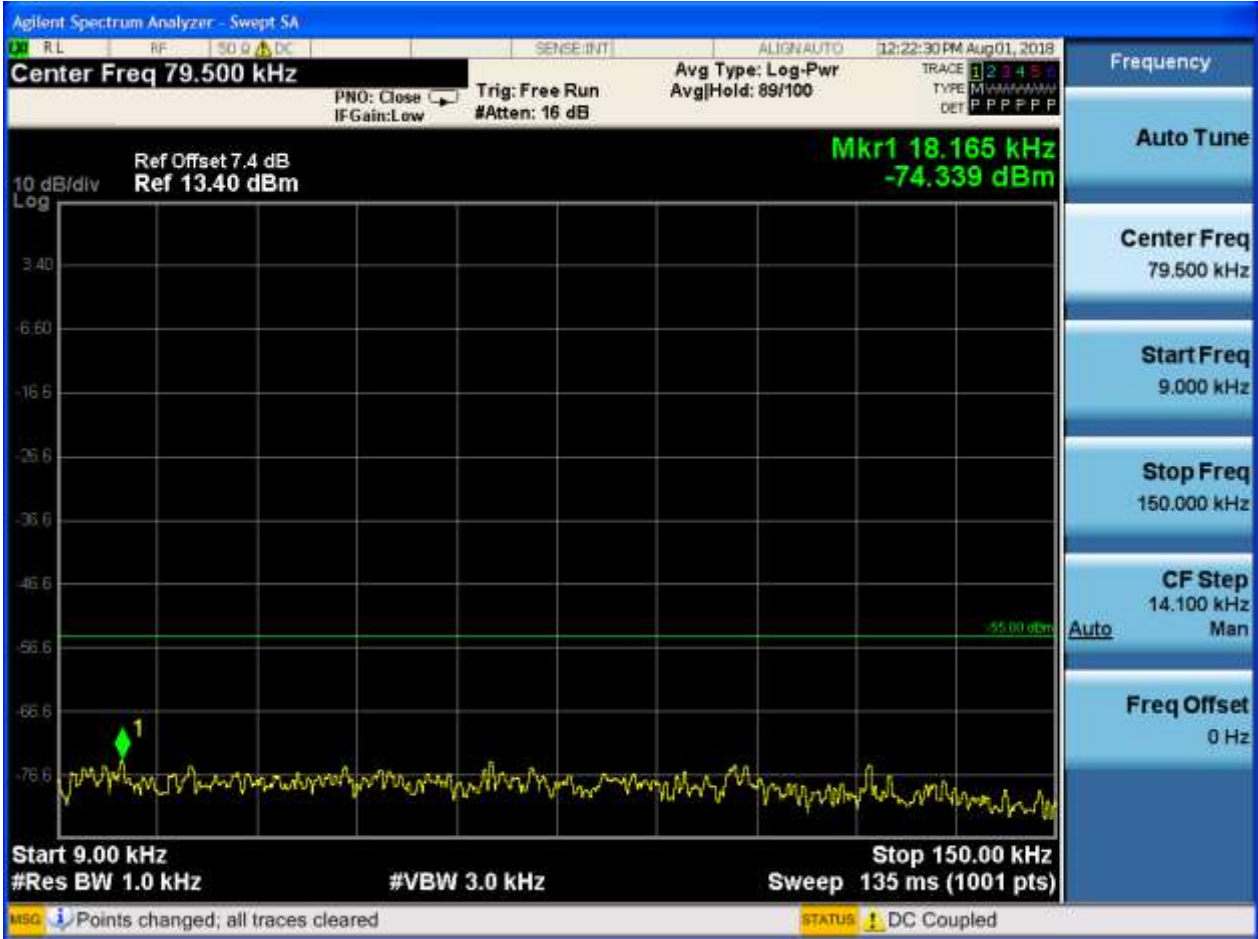






6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0







6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0

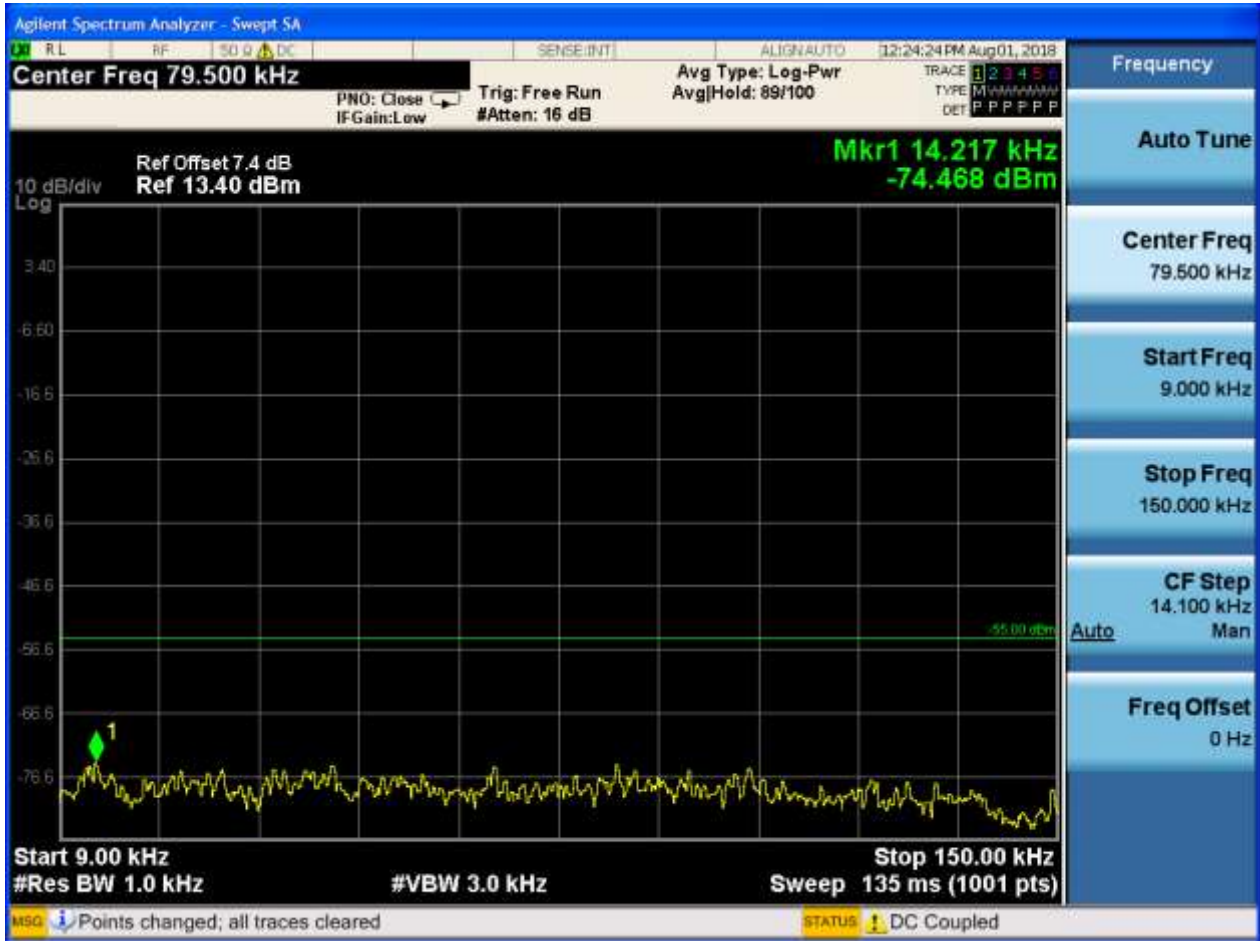






6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0

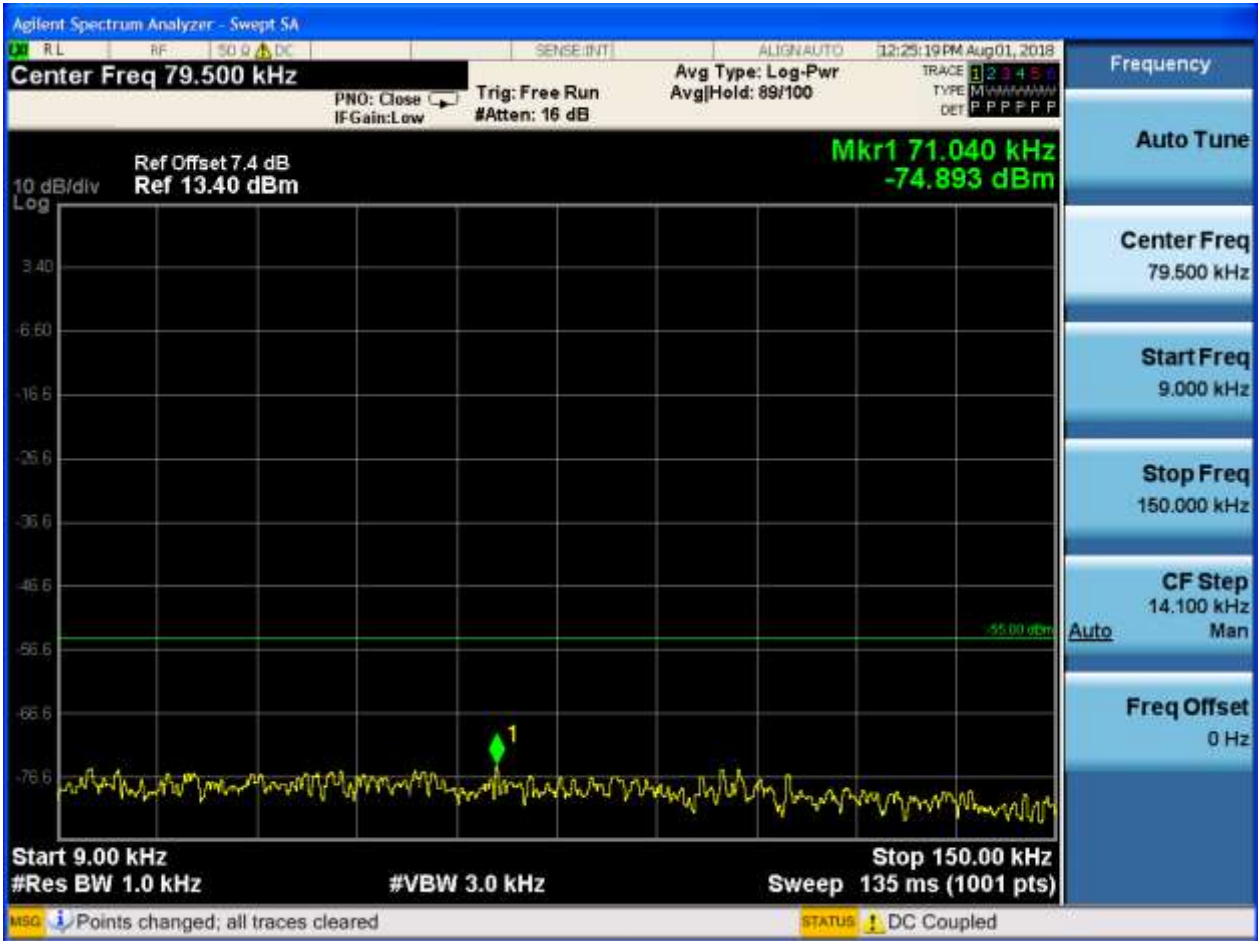






6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0



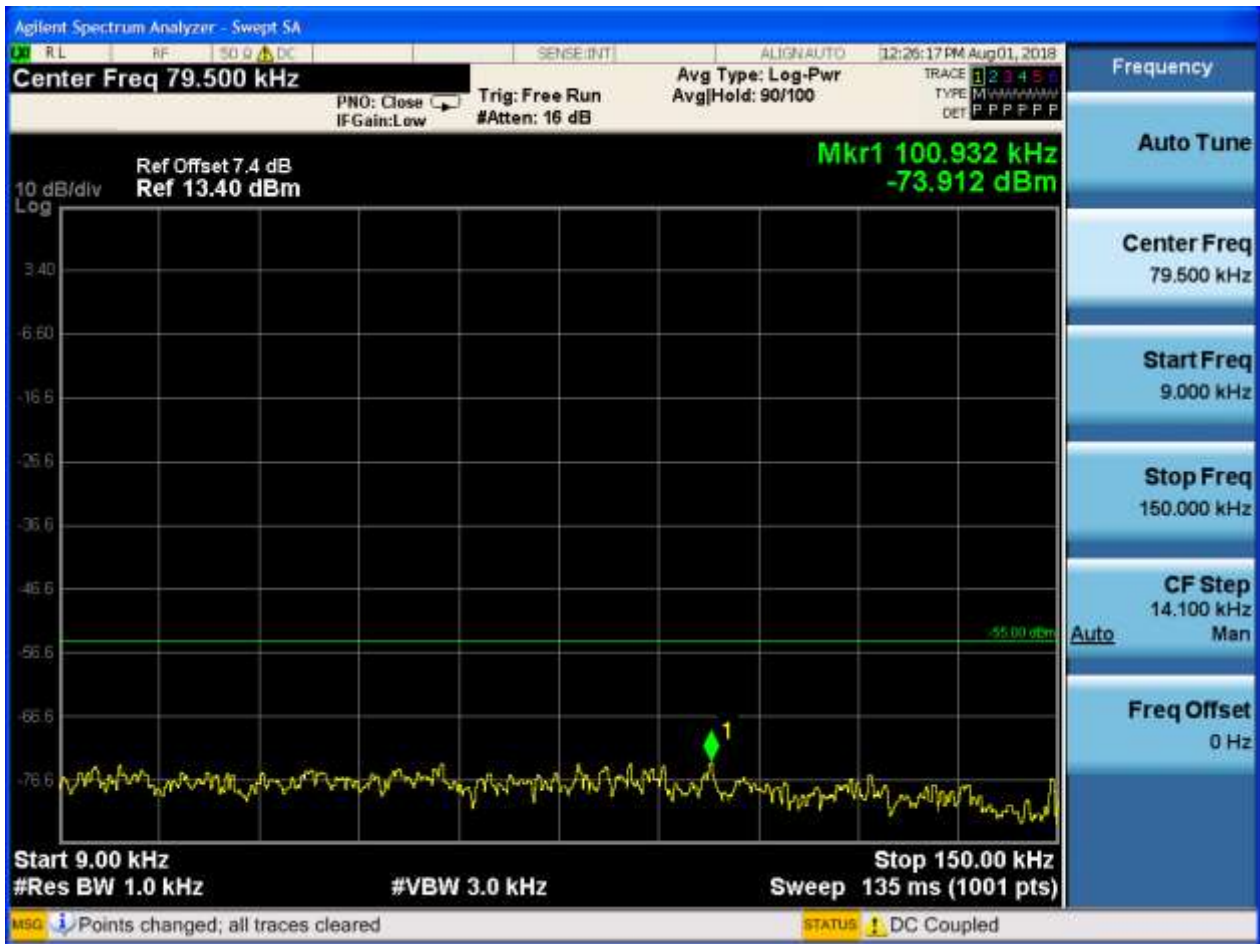




6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0

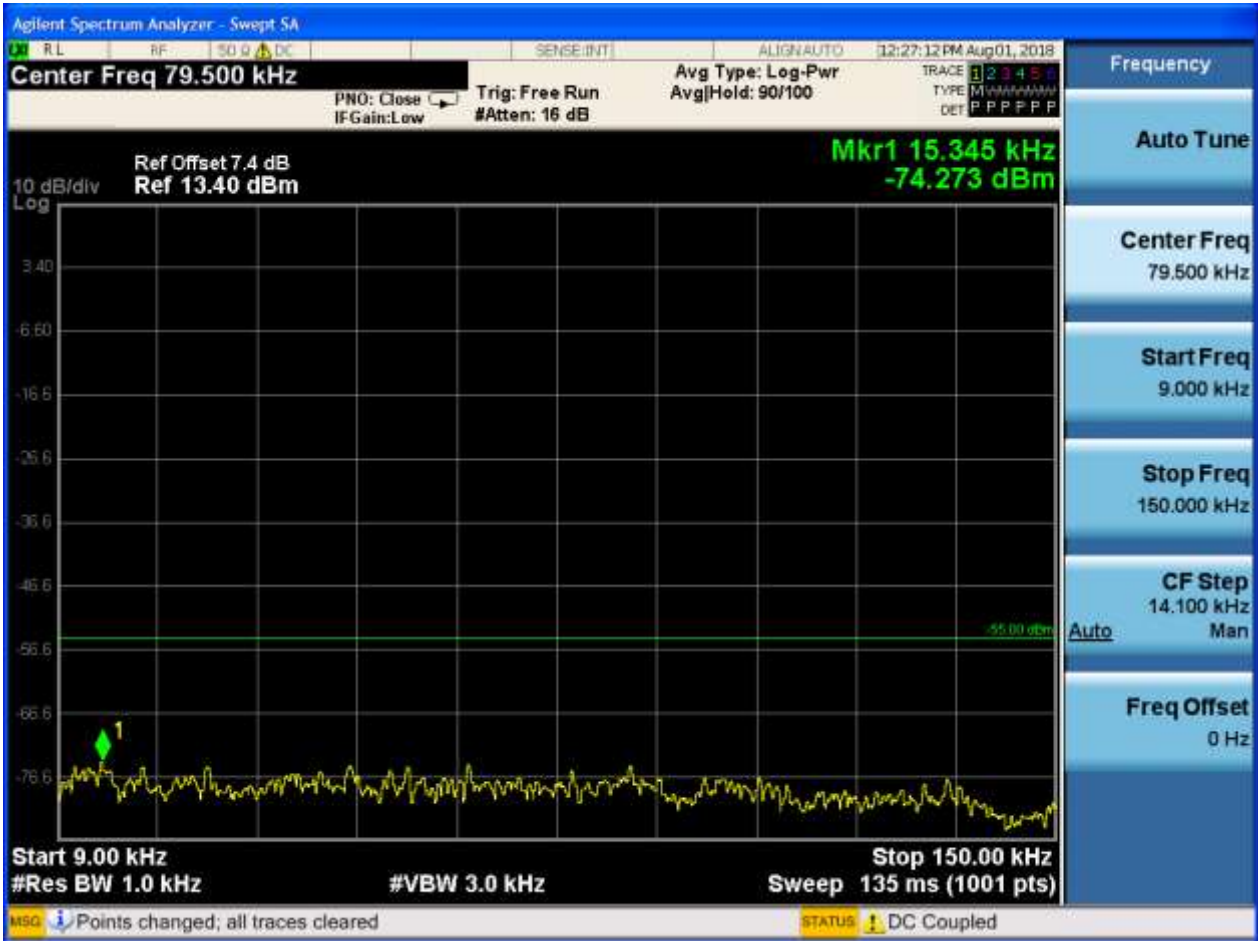






6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0

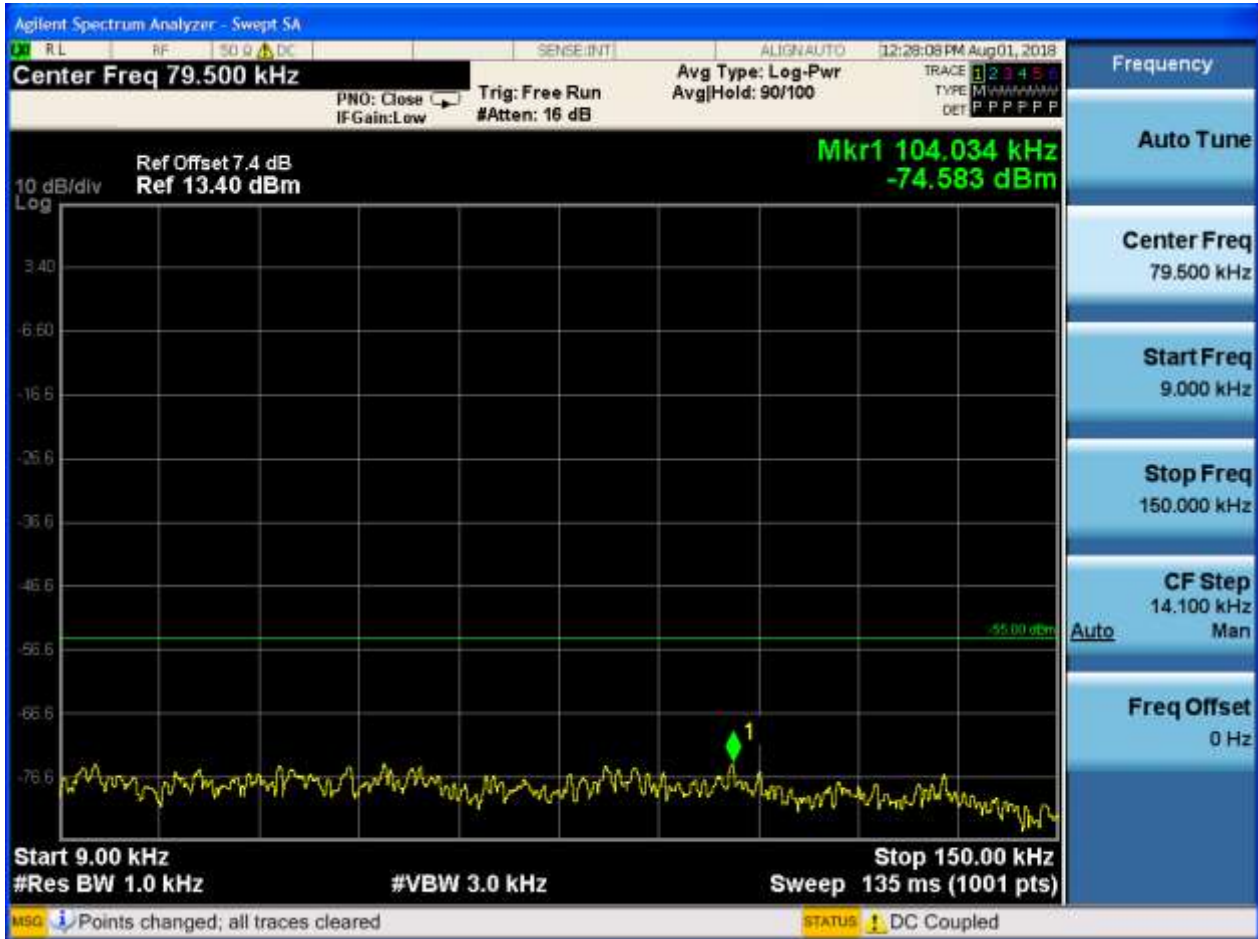






6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0







7Appendix_G: Frequency Stability

7.1 For LTE

7.1.1 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	-30.74	-0.01228	PASS
					VN	-3.83	-0.00153	PASS
					VH	0.92	0.00037	PASS
			MCH	TN	VL	1.03	0.00041	PASS
					VN	0.43	0.00017	PASS
					VH	2.30	0.00091	PASS
			HCH	TN	VL	-27.64	-0.01077	PASS
					VN	-25.84	-0.01006	PASS
					VH	-30.16	-0.01175	PASS
		10	LCH	TN	VL	-4.35	-0.00174	PASS
					VN	-1.82	-0.00073	PASS
					VH	-2.55	-0.00102	PASS
			MCH	TN	VL	-1.27	-0.0005	PASS
					VN	2.36	0.00093	PASS
					VH	1.09	0.00043	PASS
			HCH	TN	VL	-10.06	-0.00392	PASS
					VN	-2.82	-0.0011	PASS
					VH	-1.30	-0.00051	PASS
		15	LCH	TN	VL	-4.22	-0.00168	PASS
					VN	-1.99	-0.00079	PASS
					VH	-11.01	-0.00439	PASS
			MCH	TN	VL	-10.14	-0.004	PASS
					VN	0.57	0.00022	PASS
					VH	0.83	0.00033	PASS
			HCH	TN	VL	-9.70	-0.00379	PASS
					VN	-4.08	-0.00159	PASS
					VH	-4.39	-0.00171	PASS
		20	LCH	TN	VL	-2.89	-0.00115	PASS
					VN	-3.23	-0.00129	PASS
			MCH	TN	VH	-2.50	-0.001	PASS
					VL	-2.99	-0.00118	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			HCH	TN	VN	-1.44	-0.00057	PASS
					VH	0.41	0.00016	PASS
					VL	-5.65	-0.00221	PASS
			VN	-3.75	-0.00146	PASS		
			VH	-4.08	-0.00159	PASS		
			VL	-1.85	-0.00074	PASS		
		5	LCH	TN	VN	-26.55	-0.01061	PASS
					VH	1.27	0.00051	PASS
					VL	-36.64	-0.01445	PASS
			MCH	TN	VN	-32.01	-0.01263	PASS
					VH	-29.65	-0.0117	PASS
					VL	-0.50	-0.00019	PASS
	10	HCH	TN	VN	0.41	0.00016	PASS	
				VH	0.57	0.00022	PASS	
				VL	-0.50	-0.00019	PASS	
		LCH	TN	VN	-0.43	-0.00017	PASS	
				VH	-12.16	-0.00485	PASS	
				VL	-18.90	-0.00746	PASS	
	15	MCH	TN	VN	-0.59	-0.00023	PASS	
				VH	-11.39	-0.00449	PASS	
				VL	-1.44	-0.00056	PASS	
		HCH	TN	VN	-0.84	-0.00033	PASS	
				VH	0.99	0.00039	PASS	
				VL	-14.85	-0.00592	PASS	
	20	LCH	TN	VN	-9.43	-0.00376	PASS	
				VH	-10.31	-0.00411	PASS	
				VL	0.72	0.00028	PASS	
		MCH	TN	VN	1.03	0.00041	PASS	
				VH	2.45	0.00097	PASS	
				VL	-10.93	-0.00427	PASS	
	20	HCH	TN	VN	-4.94	-0.00193	PASS	
				VH	-10.74	-0.00419	PASS	
				VL	-6.18	-0.00246	PASS	
		LCH	TN	VN	-5.44	-0.00217	PASS	
				VH	-3.06	-0.00122	PASS	
				VL	0.31	0.00012	PASS	
	MCH	TN	VN	1.37	0.00054	PASS		
			VH	-0.01	0.00066	PASS		
			VL	-2.85	-0.00111	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-1.75	-0.00068	PASS
					VH	0.09	0.00004	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	-10.13	-0.00405	PASS
					-20	-7.02	-0.00281	PASS
					-10	-5.76	-0.0023	PASS
					0	-4.99	-0.00199	PASS
					10	-4.52	-0.00181	PASS
					20	-4.16	-0.00166	PASS
					30	-0.80	-0.00032	PASS
					40	-0.72	-0.00029	PASS
			50	-49.91	-0.01994	PASS		
			MCH	VN	-30	-2.78	-0.0011	PASS
					-20	2.57	0.00101	PASS
					-10	-0.89	-0.00035	PASS
					0	2.96	0.00117	PASS
					10	-1.49	-0.00059	PASS
					20	0.93	0.00037	PASS
					30	2.26	0.00089	PASS
					40	-20.31	-0.00801	PASS
			50	2.36	0.00093	PASS		
			HCH	VN	-30	-2.90	-0.00113	PASS
					-20	-4.05	-0.00158	PASS
					-10	-1.67	-0.00065	PASS
					0	-1.13	-0.00044	PASS
					10	0.13	0.00005	PASS
					20	-3.59	-0.0014	PASS
		30			1.33	0.00052	PASS	
		40			-1.85	-0.00072	PASS	
		50	-28.71	-0.01118	PASS			
		10	LCH	VN	-30	-2.46	-0.00098	PASS
					-20	-3.50	-0.0014	PASS
					-10	-3.72	-0.00149	PASS
					0	-0.83	-0.00033	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		15			10	-3.63	-0.00145	PASS
					20	-11.73	-0.00468	PASS
					30	-8.30	-0.00331	PASS
					40	-0.44	-0.00018	PASS
					50	-1.00	-0.0004	PASS
			MCH	VN	-30	0.11	0.00004	PASS
					-20	0.26	0.0001	PASS
					-10	-15.71	-0.0062	PASS
					0	1.30	0.00051	PASS
					10	-0.99	-0.00039	PASS
					20	-16.64	-0.00656	PASS
					30	2.22	0.00088	PASS
			HCH	VN	40	1.46	0.00058	PASS
					50	1.06	0.00042	PASS
					-30	-5.44	-0.00212	PASS
					-20	-11.57	-0.00451	PASS
					-10	-2.20	-0.00086	PASS
					0	-3.25	-0.00127	PASS
					10	0.19	0.00007	PASS
			LCH	VN	20	-0.82	-0.00032	PASS
					30	0.03	0.00001	PASS
		40			-0.93	-0.00036	PASS	
		50			-12.02	-0.00469	PASS	
		-30			-0.94	-0.00037	PASS	
		-20			-0.80	-0.00032	PASS	
		-10			0.87	0.00035	PASS	
		0			1.96	0.00078	PASS	
		10			-1.17	-0.00047	PASS	
		20			0.92	0.00037	PASS	
		30			-6.28	-0.0025	PASS	
		40			1.73	0.00069	PASS	
		50	1.17	0.00047	PASS			
		MCH	VN	-30	2.12	0.00084	PASS	
-20	-0.27			-0.00011	PASS			
-10	-6.67			-0.00263	PASS			
0	-7.94			-0.00313	PASS			
10	1.53			0.0006	PASS			
20	2.29			0.0009	PASS			
30	-0.89			-0.00035	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					40	1.50	0.00059	PASS		
					50	0.43	0.00017	PASS		
			HCH	VN	-30	-5.01	-0.00196	PASS		
					-20	-2.10	-0.00082	PASS		
					-10	-4.16	-0.00162	PASS		
					0	-10.11	-0.00395	PASS		
					10	-2.02	-0.00079	PASS		
					20	-0.70	-0.00027	PASS		
					30	-9.24	-0.00361	PASS		
					40	-9.36	-0.00365	PASS		
		50	-0.93	-0.00036	PASS					
					LCH	VN	-30	-3.36	-0.00134	PASS
							-20	-1.60	-0.00064	PASS
							-10	-1.75	-0.0007	PASS
							0	-1.34	-0.00053	PASS
							10	-1.96	-0.00078	PASS
							20	-1.04	-0.00041	PASS
							30	-2.60	-0.00104	PASS
							40	0.31	0.00012	PASS
							50	-2.19	-0.00087	PASS
										MCH
		-20	-0.83	-0.00033	PASS					
		-10	-0.66	-0.00026	PASS					
		0	1.93	0.00076	PASS					
		10	-1.00	-0.00039	PASS					
		20	0.43	0.00017	PASS					
		30	0.26	0.0001	PASS					
		40	-0.41	-0.00016	PASS					
		50	-0.79	-0.00031	PASS					
					HCH	VN				
							-20	-4.28	-0.00167	PASS
							-10	-4.31	-0.00168	PASS
							0	-2.68	-0.00105	PASS
							10	-2.03	-0.00079	PASS
							20	-4.43	-0.00173	PASS
							30	-1.36	-0.00053	PASS
							40	-0.66	-0.00026	PASS
		50	-0.94	-0.00037	PASS					
		LTE/TM2	5	LCH	VN	-30	-3.15	-0.00126	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict	
					-20	0.54	0.00022	PASS	
					-10	1.20	0.00048	PASS	
					0	0.46	0.00018	PASS	
					10	2.15	0.00086	PASS	
					20	3.65	0.00146	PASS	
					30	-28.72	-0.01148	PASS	
					40	2.45	0.00098	PASS	
					50	-25.63	-0.01024	PASS	
			MCH	VN	-30	1.44	0.00057	PASS	
					-20	3.19	0.00126	PASS	
					-10	1.37	0.00054	PASS	
					0	0.96	0.00038	PASS	
					10	2.03	0.0008	PASS	
					20	3.20	0.00126	PASS	
					30	-13.89	-0.00548	PASS	
					40	2.57	0.00101	PASS	
			HCH	VN	-30	-3.73	-0.00145	PASS	
					-20	-1.33	-0.00052	PASS	
					-10	-27.88	-0.01086	PASS	
					0	-0.49	-0.00019	PASS	
					10	-2.12	-0.00083	PASS	
					20	-11.46	-0.00446	PASS	
					30	2.88	0.00112	PASS	
					40	-2.92	-0.00114	PASS	
			10	LCH	VN	-30	-17.25	-0.00689	PASS
						-20	-2.05	-0.00082	PASS
						-10	-2.19	-0.00087	PASS
						0	-14.36	-0.00573	PASS
		10				-18.91	-0.00755	PASS	
		20				0.40	0.00016	PASS	
		30				1.70	0.00068	PASS	
		40				-23.79	-0.0095	PASS	
		50		0.06	0.00002	PASS			
		MCH		VN	-30	2.37	0.00093	PASS	
					-20	4.06	0.0016	PASS	
					-10	3.91	0.00154	PASS	
			0		1.26	0.0005	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
					10	1.96	0.00077	PASS		
					20	-17.77	-0.00701	PASS		
					30	0.70	0.00028	PASS		
					40	1.12	0.00044	PASS		
					50	2.85	0.00112	PASS		
			HCH	VN	-30	-3.53	-0.00138	PASS		
					-20	-4.82	-0.00188	PASS		
					-10	2.47	0.00096	PASS		
					0	-1.99	-0.00078	PASS		
					10	0.09	0.00004	PASS		
					20	-14.51	-0.00566	PASS		
					30	-0.49	-0.00019	PASS		
					40	0.97	0.00038	PASS		
					50	-0.27	-0.00011	PASS		
					LCH	VN	-30	-1.56	-0.00062	PASS
							-20	1.59	0.00063	PASS
							-10	0.84	0.00033	PASS
							0	1.67	0.00067	PASS
							10	-5.92	-0.00236	PASS
							20	3.25	0.0013	PASS
		30	2.09	0.00083			PASS			
		40	2.63	0.00105			PASS			
		50	2.86	0.00114			PASS			
		MCH	VN	-30			-0.31	-0.00012	PASS	
				-20	-6.39	-0.00252	PASS			
				-10	1.95	0.00077	PASS			
				0	-11.01	-0.00434	PASS			
				10	-9.61	-0.00379	PASS			
				20	-4.32	-0.0017	PASS			
				30	0.83	0.00033	PASS			
				40	2.46	0.00097	PASS			
				50	0.59	0.00023	PASS			
		HCH	VN	-30	-2.89	-0.00113	PASS			
				-20	-1.69	-0.00066	PASS			
				-10	-0.69	-0.00027	PASS			
				0	-1.54	-0.0006	PASS			
				10	-1.82	-0.00071	PASS			
				20	-0.43	-0.00017	PASS			
				30	-6.37	-0.00249	PASS			
		15					-30	-1.56	-0.00062	PASS
-20	1.59						0.00063	PASS		
-10	0.84						0.00033	PASS		
0	1.67						0.00067	PASS		
10	-5.92						-0.00236	PASS		
20	3.25						0.0013	PASS		
30	2.09						0.00083	PASS		
40	2.63						0.00105	PASS		
50	2.86						0.00114	PASS		
-30	-0.31						-0.00012	PASS		
-20	-6.39	-0.00252	PASS							
-10	1.95	0.00077	PASS							
0	-11.01	-0.00434	PASS							
10	-9.61	-0.00379	PASS							
20	-4.32	-0.0017	PASS							
30	0.83	0.00033	PASS							
40	2.46	0.00097	PASS							
50	0.59	0.00023	PASS							
-30	-2.89	-0.00113	PASS							
-20	-1.69	-0.00066	PASS							
-10	-0.69	-0.00027	PASS							
0	-1.54	-0.0006	PASS							
10	-1.82	-0.00071	PASS							
20	-0.43	-0.00017	PASS							
30	-6.37	-0.00249	PASS							



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-8.11	-0.00316	PASS
					50	-7.50	-0.00293	PASS
		20	LCH	VN	-30	-3.08	-0.00123	PASS
					-20	0.41	0.00016	PASS
					-10	-1.59	-0.00063	PASS
					0	-0.89	-0.00035	PASS
					10	0.49	0.0002	PASS
					20	-1.43	-0.00057	PASS
					30	-2.56	-0.00102	PASS
					40	-1.76	-0.0007	PASS
					50	-0.66	-0.00026	PASS
					MCH	VN	-30	1.52
			-20	2.10			0.00083	PASS
			-10	3.82			0.00151	PASS
			0	1.66			0.00065	PASS
			10	2.42			0.00095	PASS
			20	-0.44			-0.00017	PASS
			30	-0.24			-0.00009	PASS
			40	-0.54			-0.00021	PASS
			HCH	VN	50	2.73	0.00108	PASS
					-30	-4.32	-0.00169	PASS
					-20	-3.09	-0.00121	PASS
					-10	-1.63	-0.00064	PASS
					0	-1.63	-0.00064	PASS
					10	-1.44	-0.00056	PASS
					20	-1.26	-0.00049	PASS
		30			-1.03	-0.0004	PASS	
		40	-0.79	-0.00031	PASS			
					50	-1.89	-0.00074	PASS

END