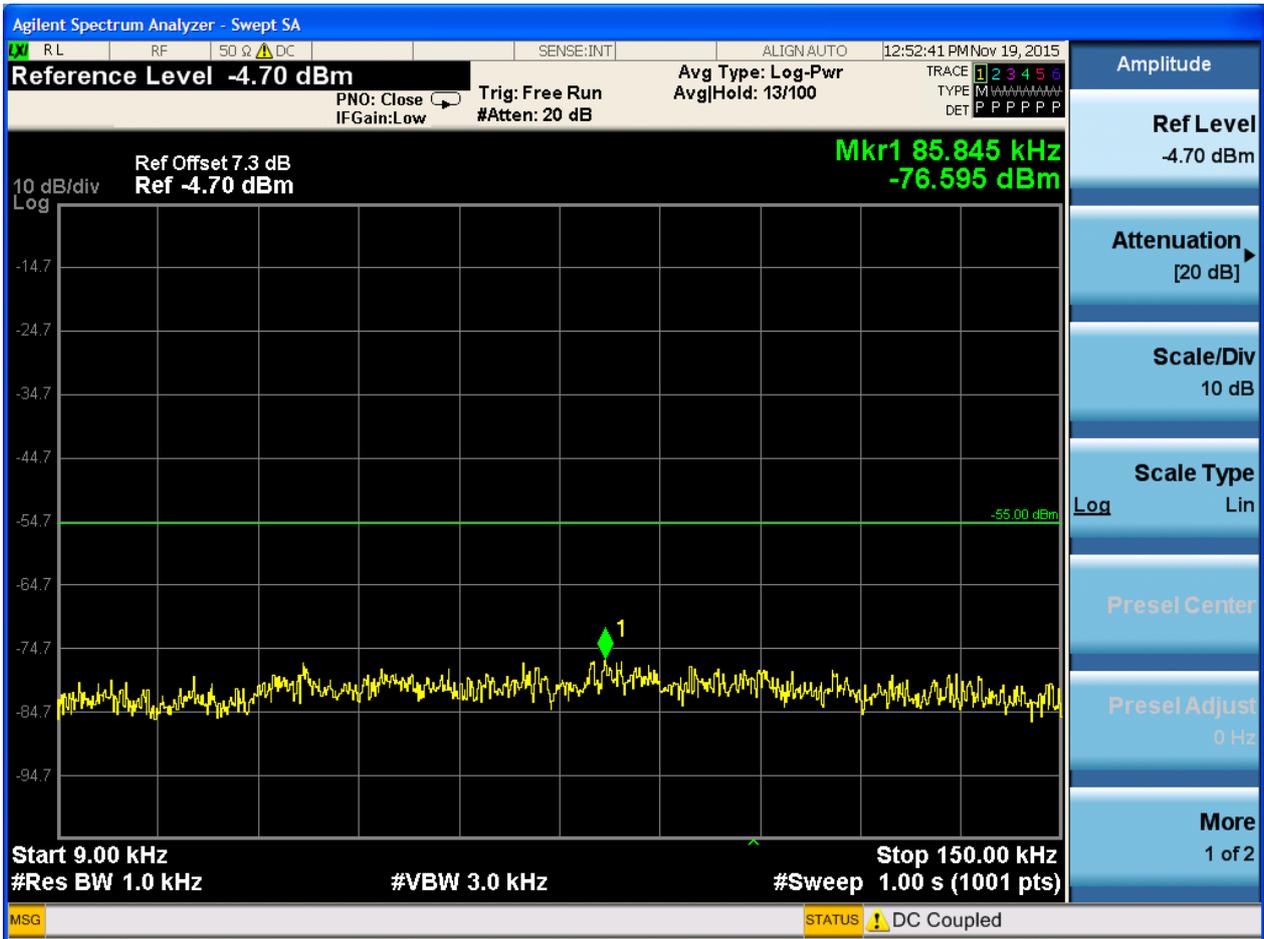


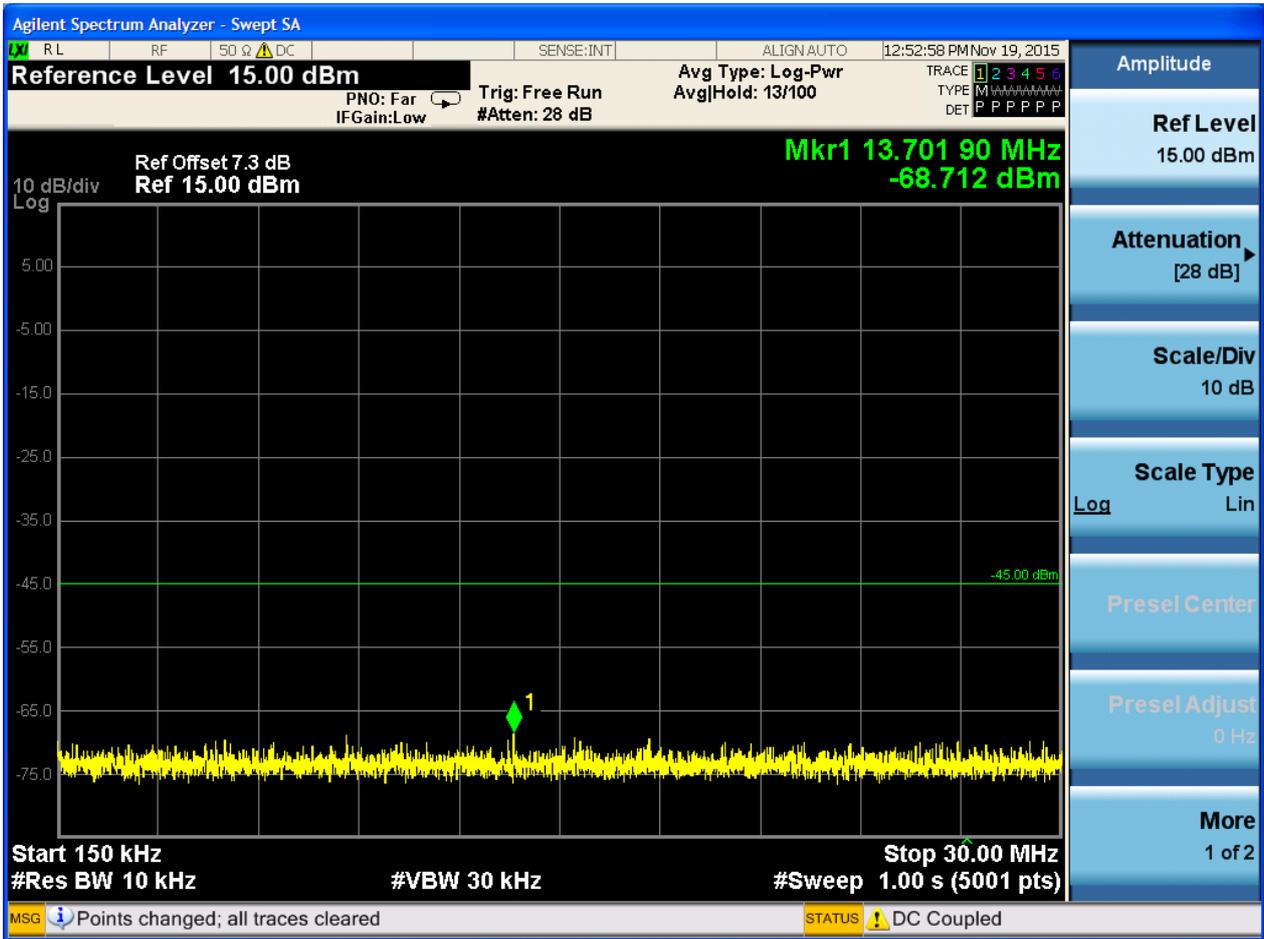


6.1.1.1.3 Test Bandwidth = 15

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0



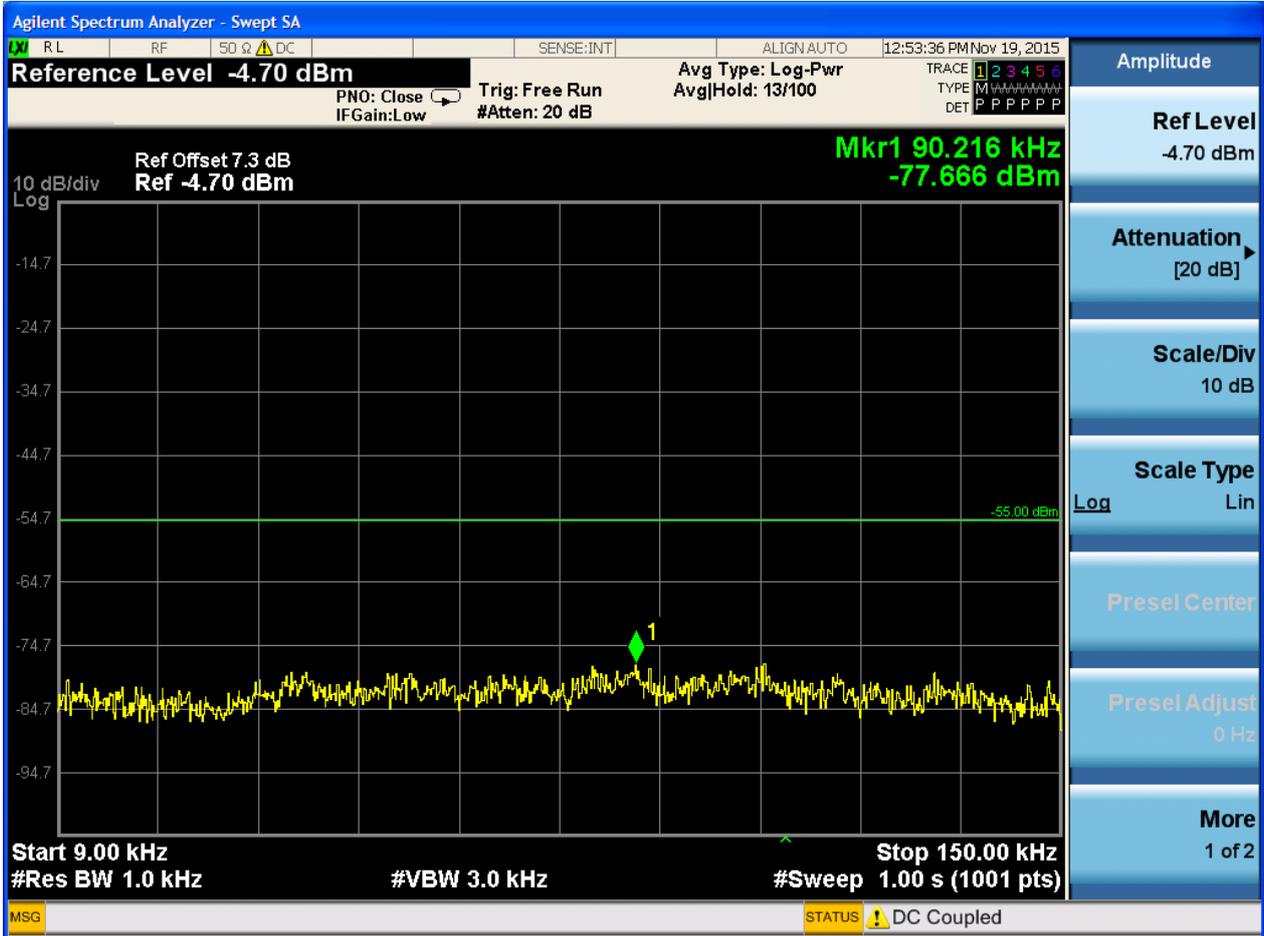


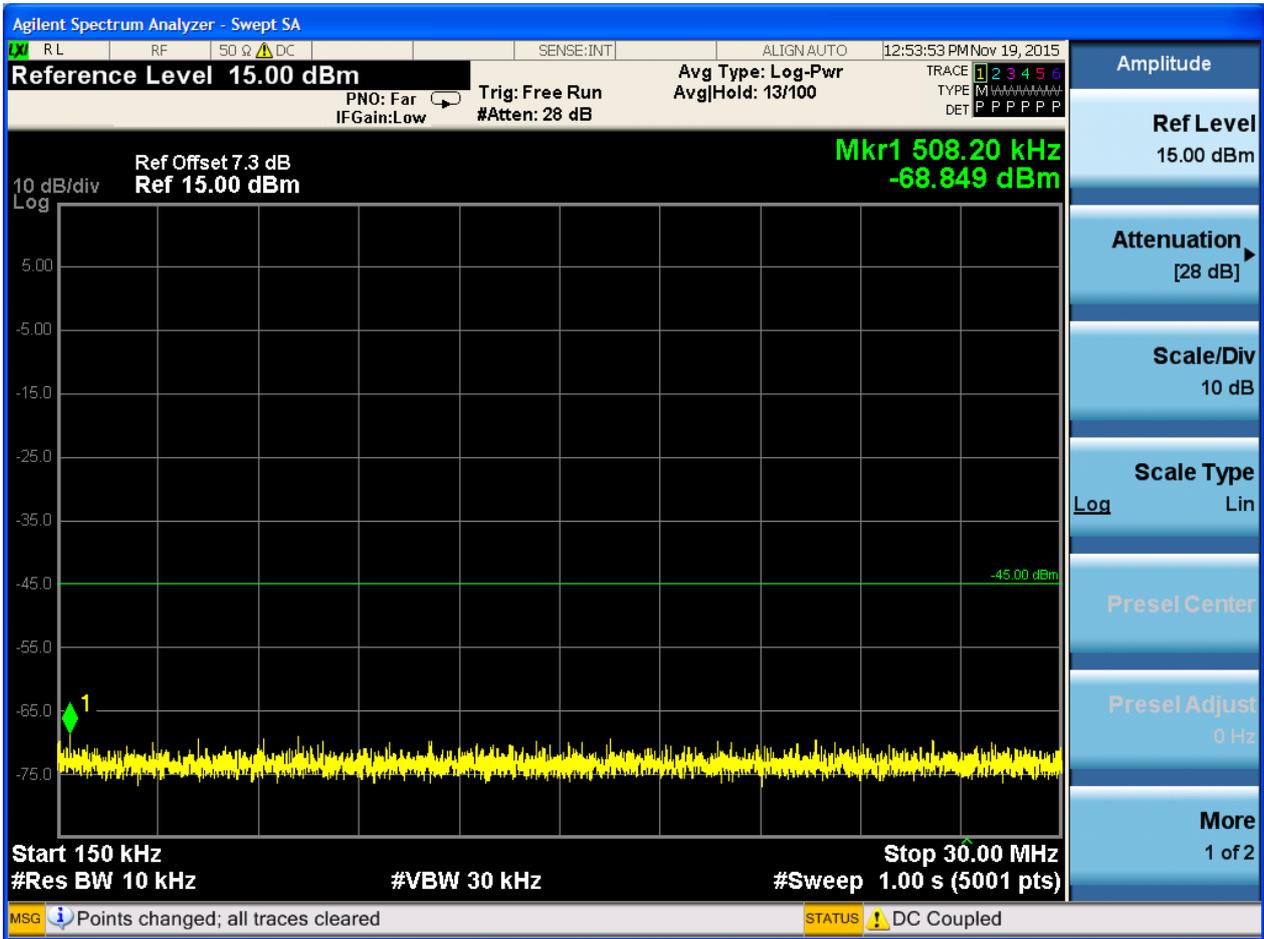


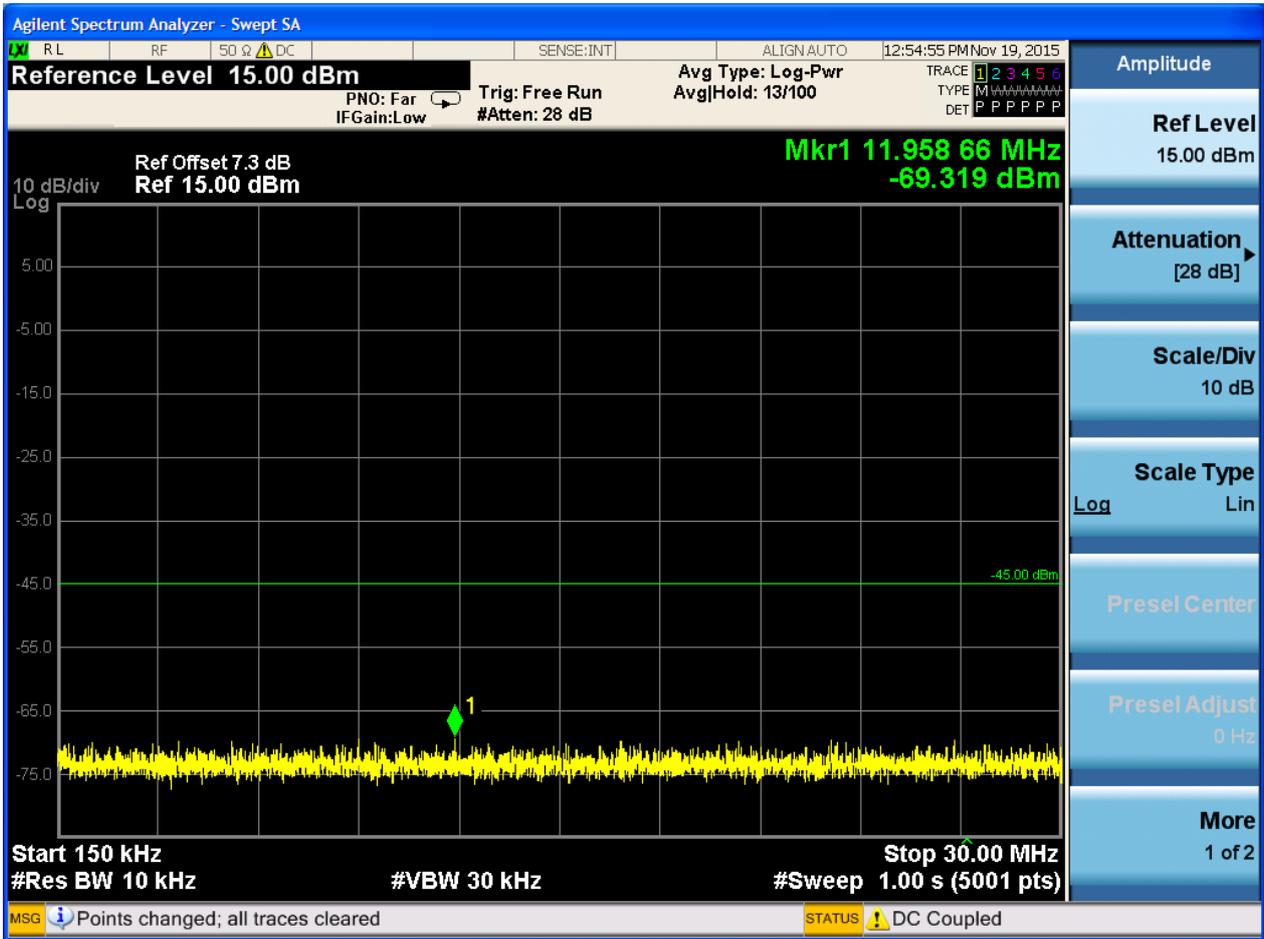


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0







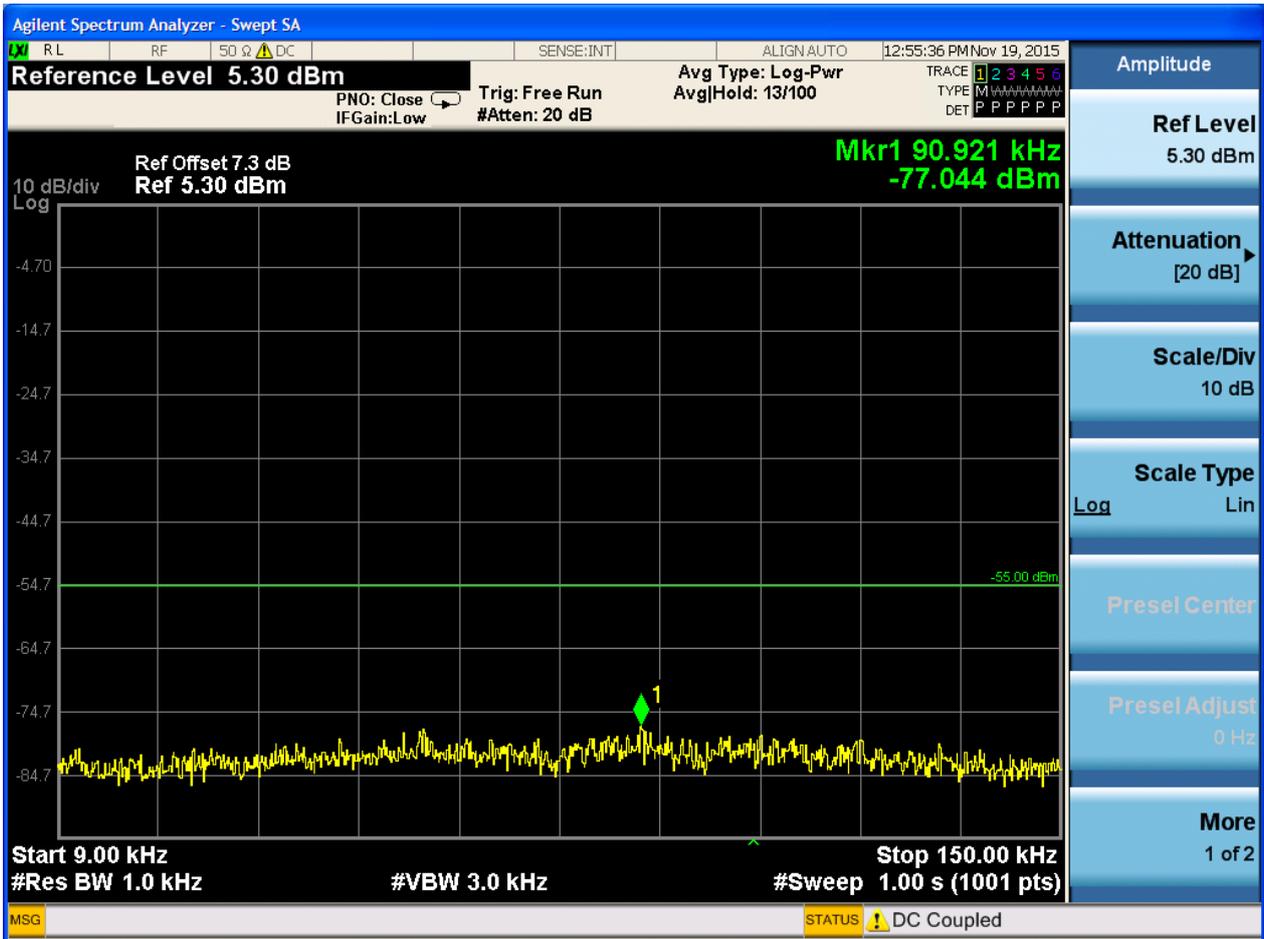


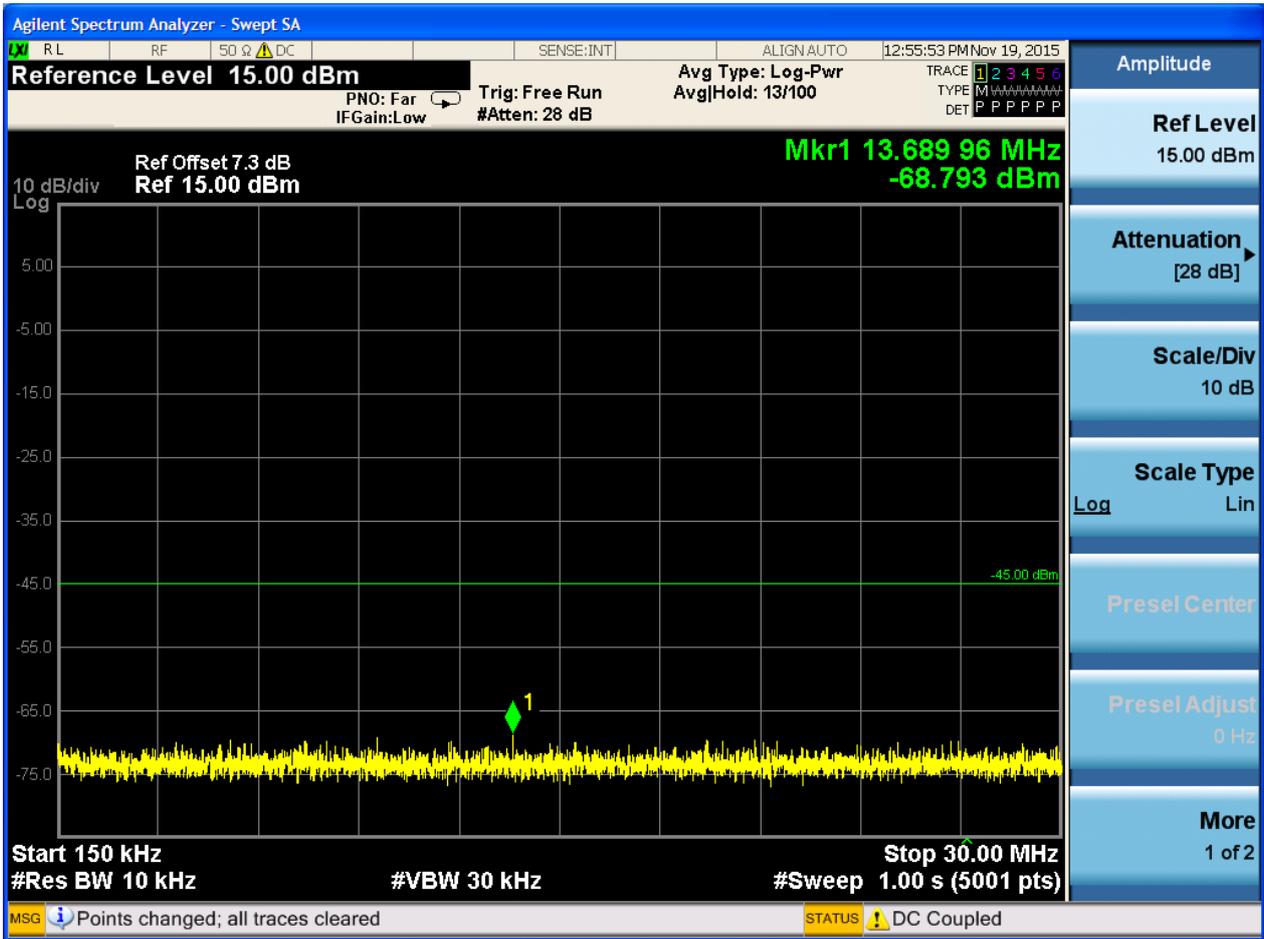


6.1.1.1.4 Test Bandwidth = 20

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0



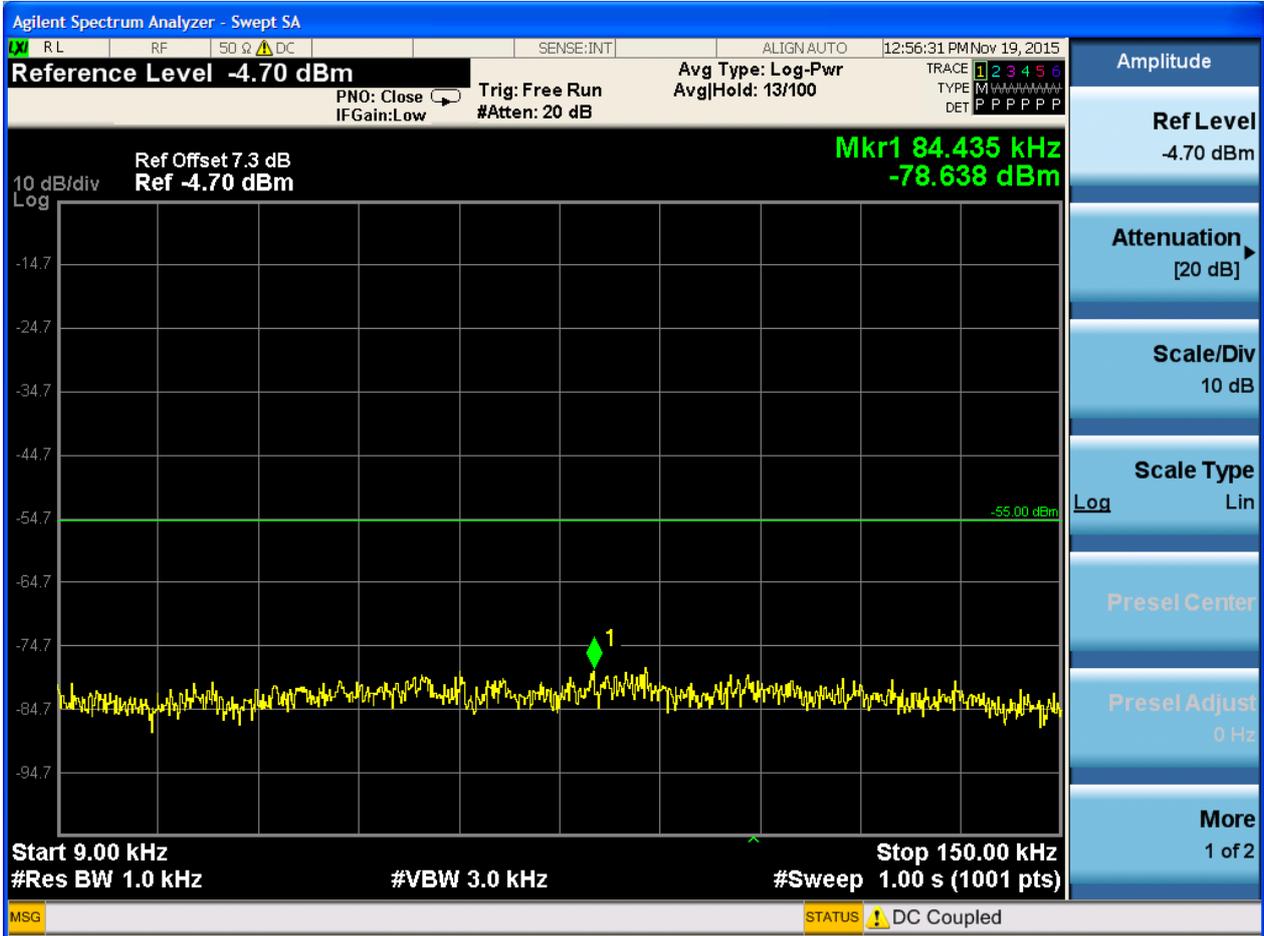


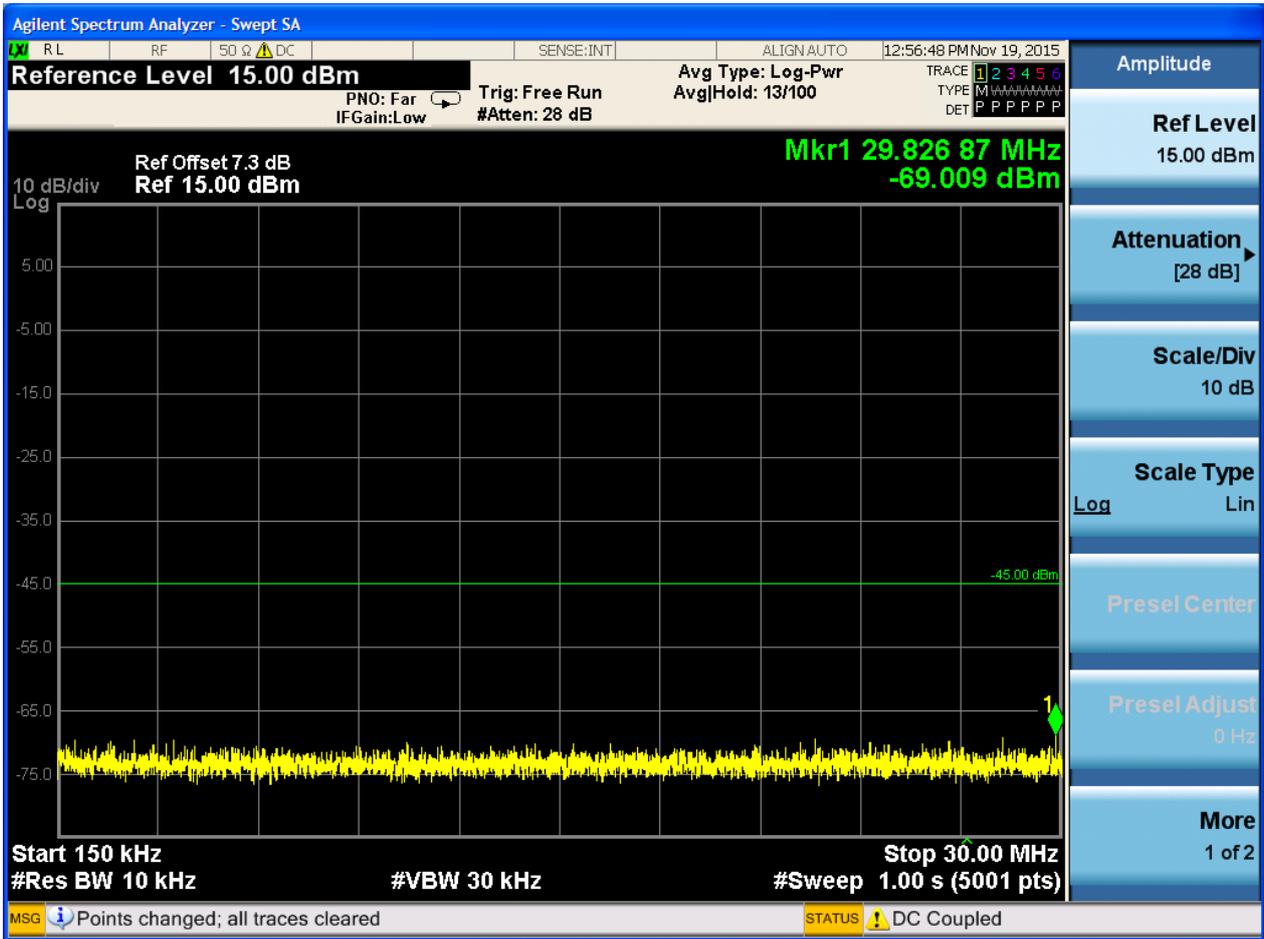


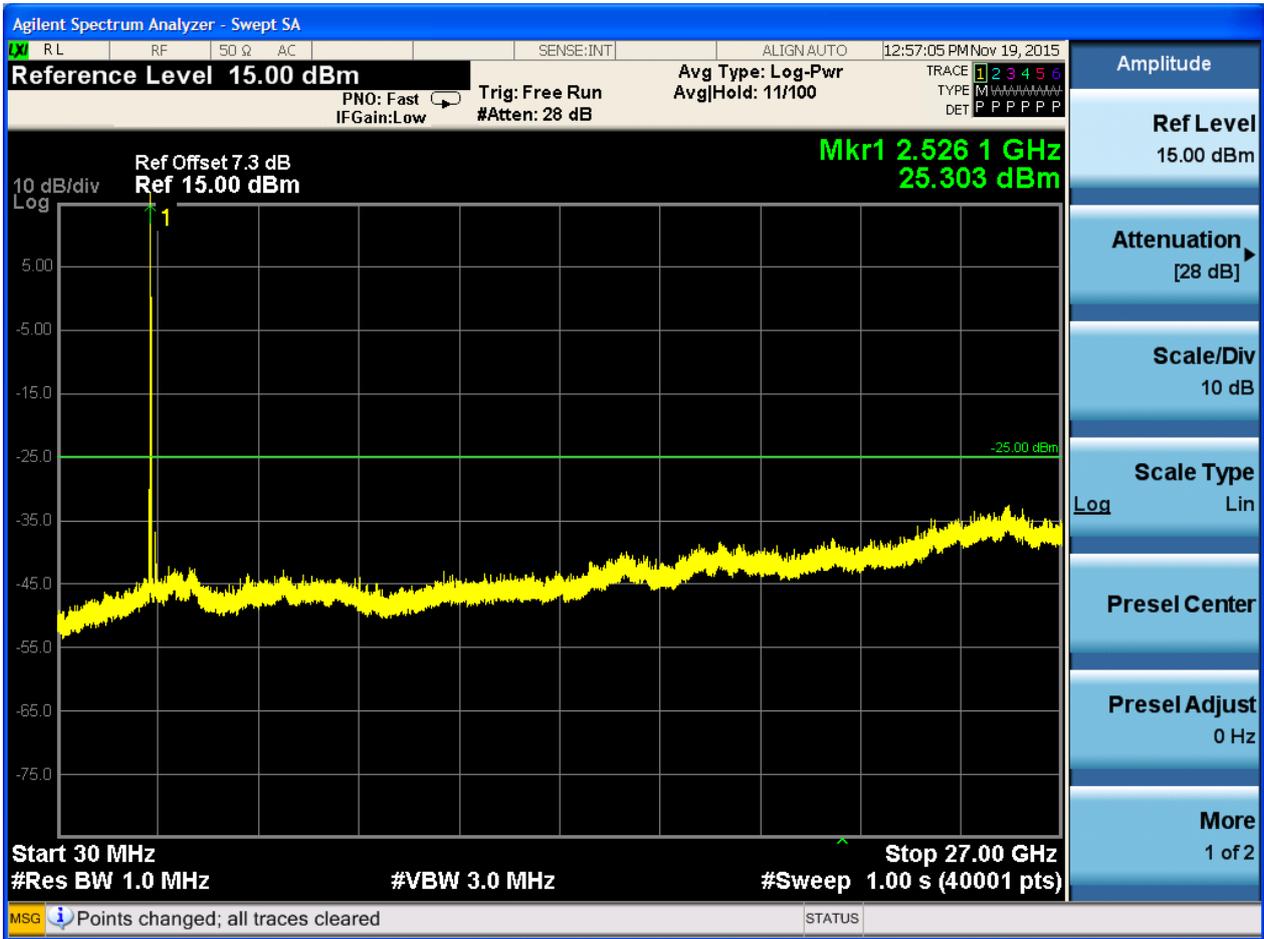


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0



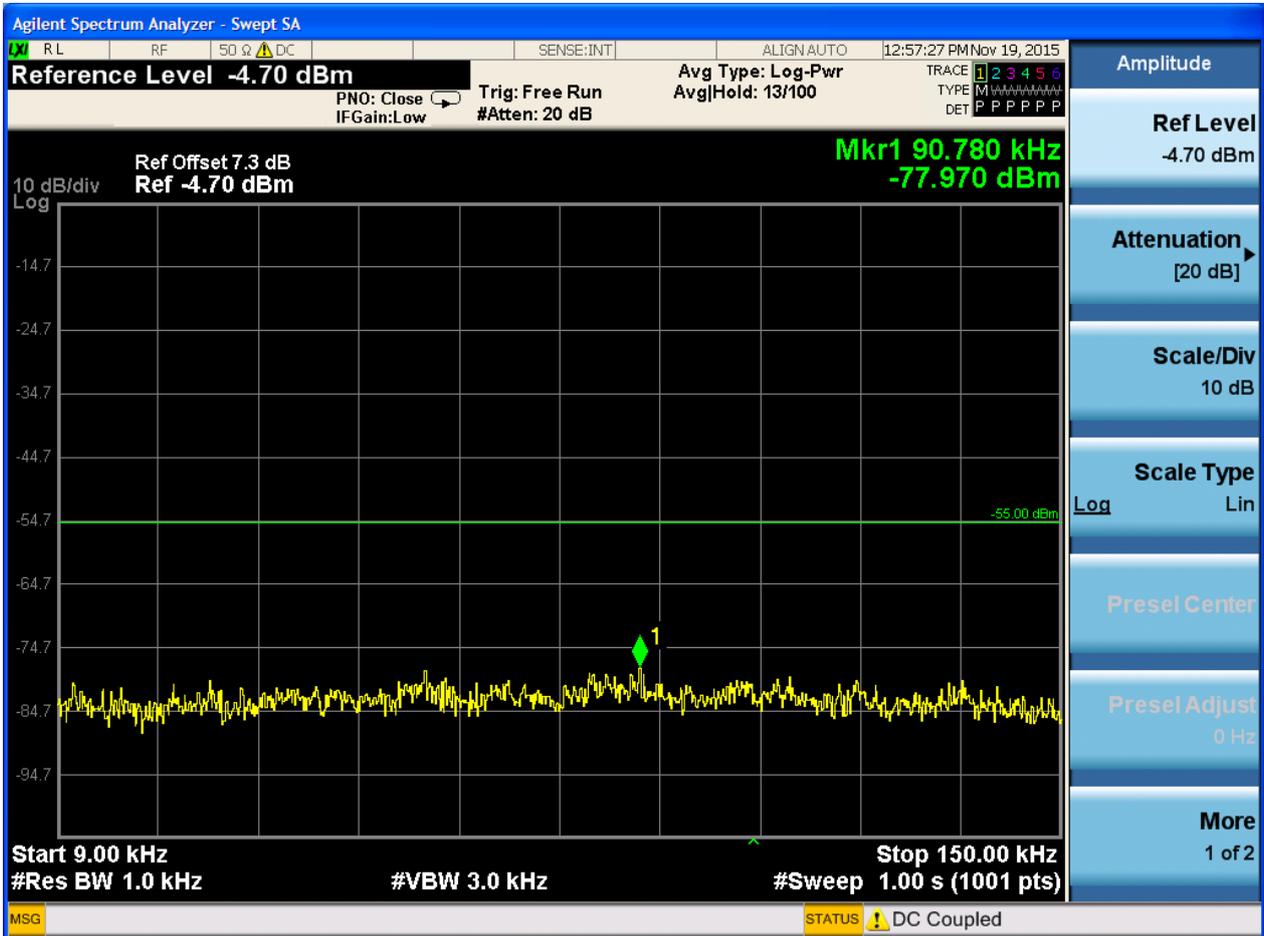


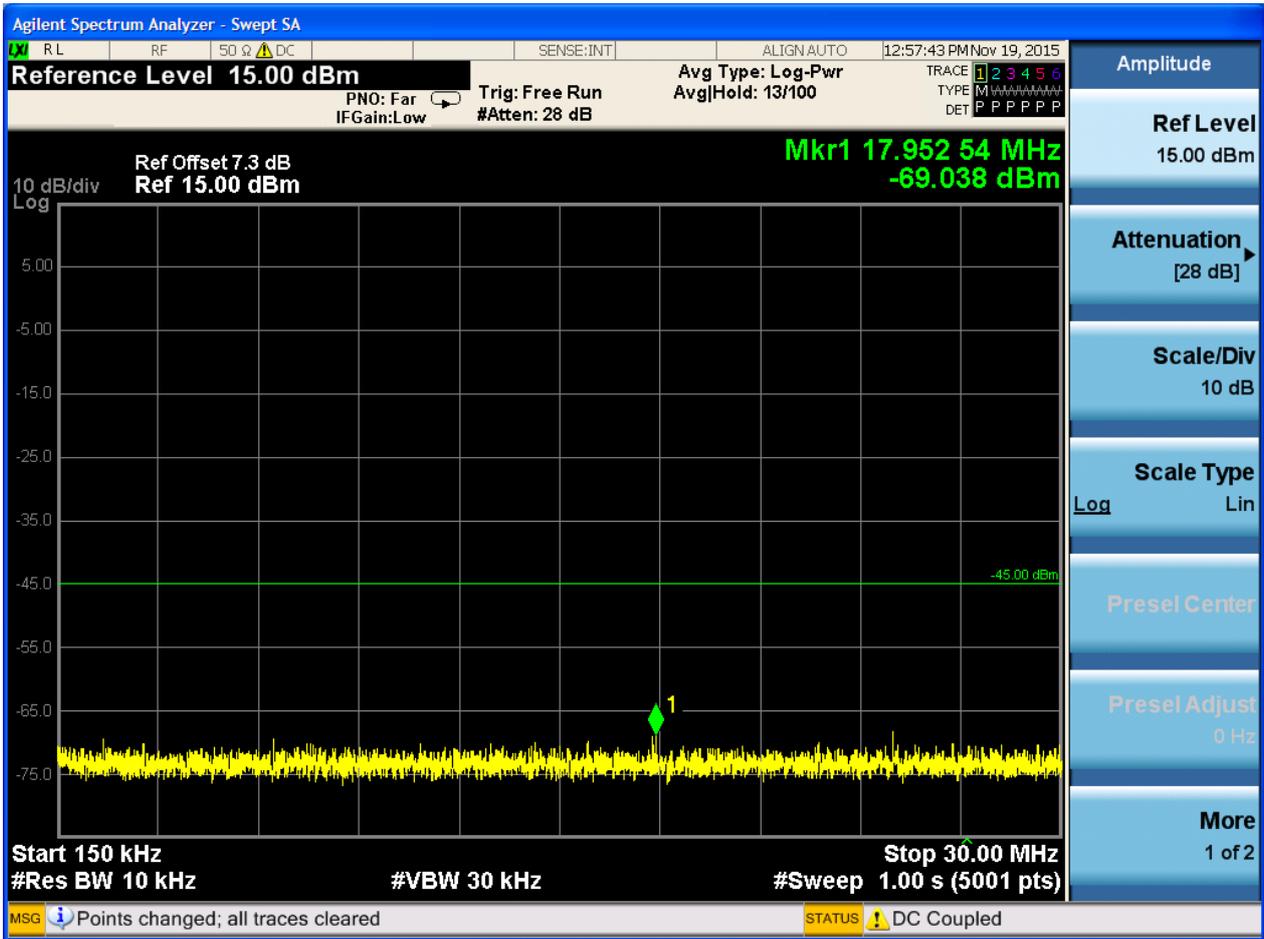




6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0







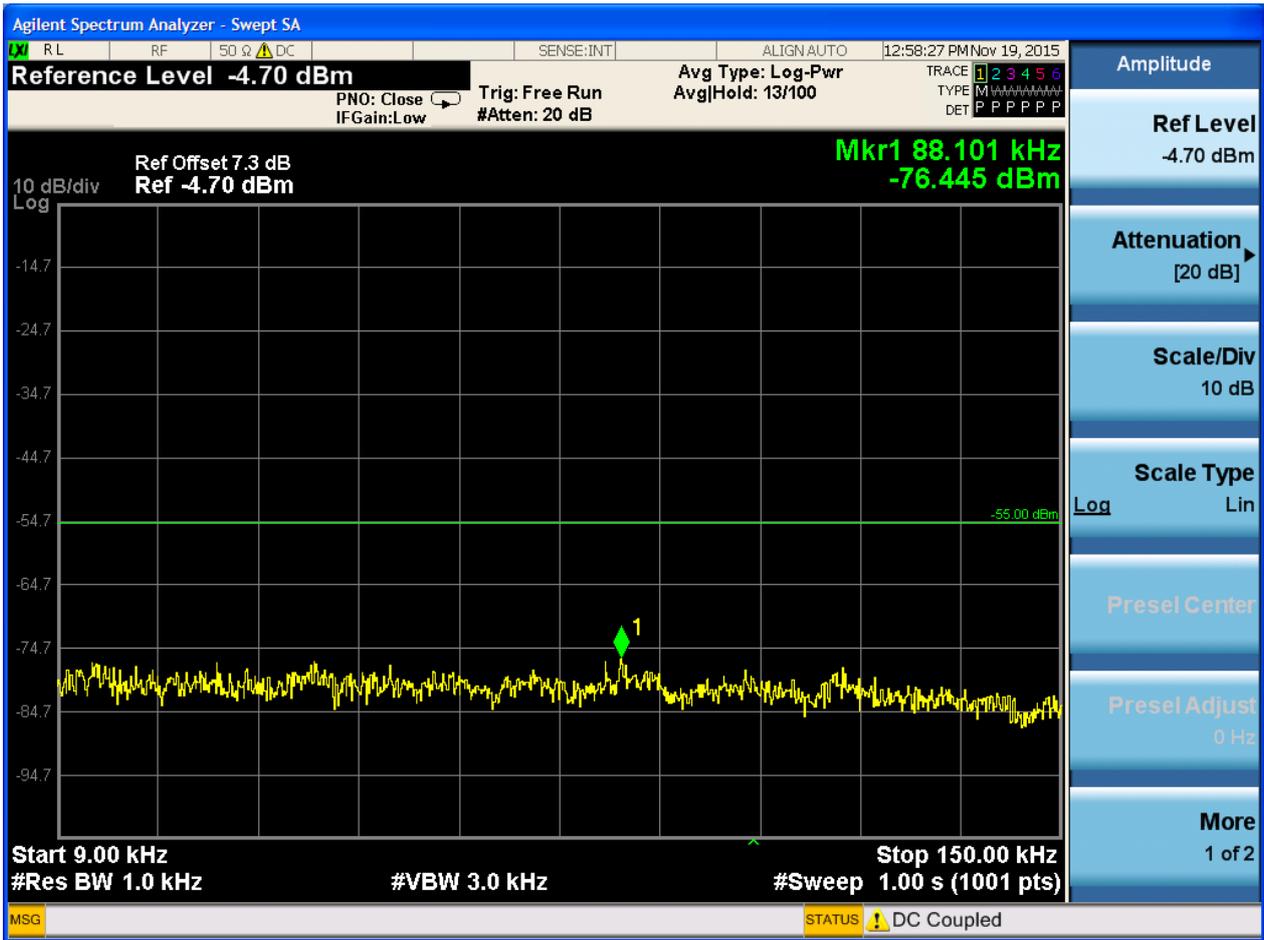


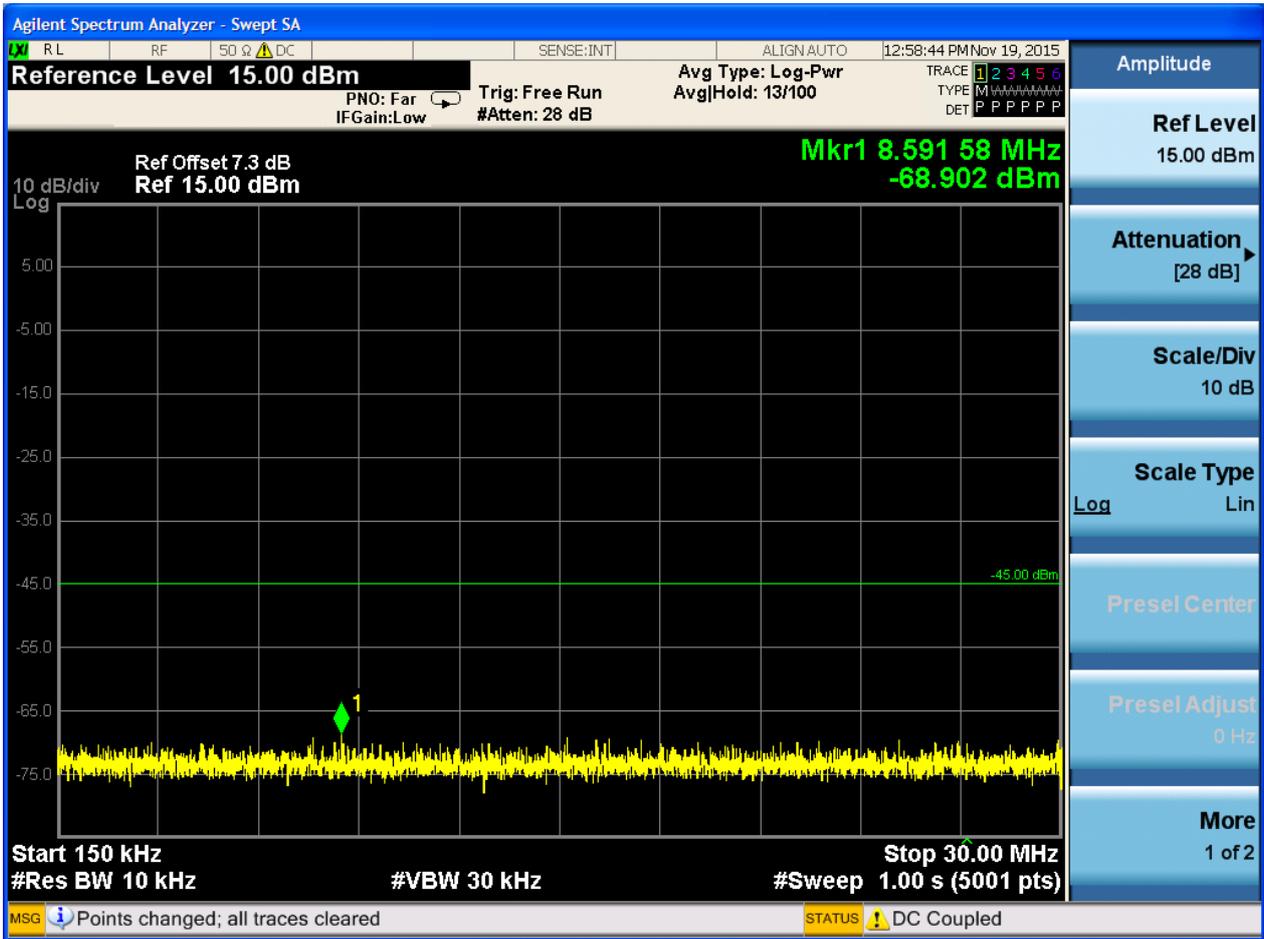
6.1.1.2 Test Mode = LTE/TM2

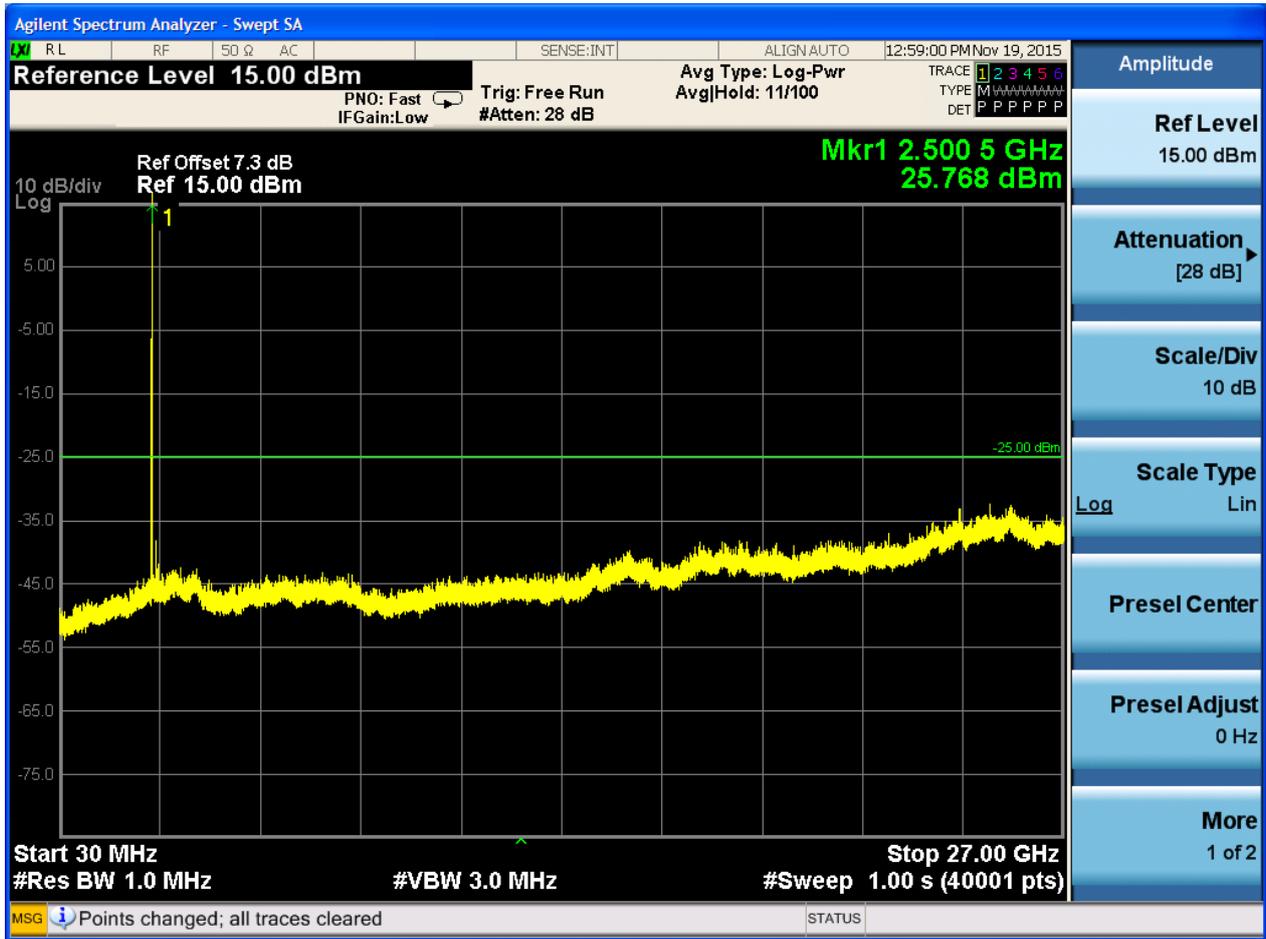
6.1.1.2.1 Test Bandwidth = 5

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



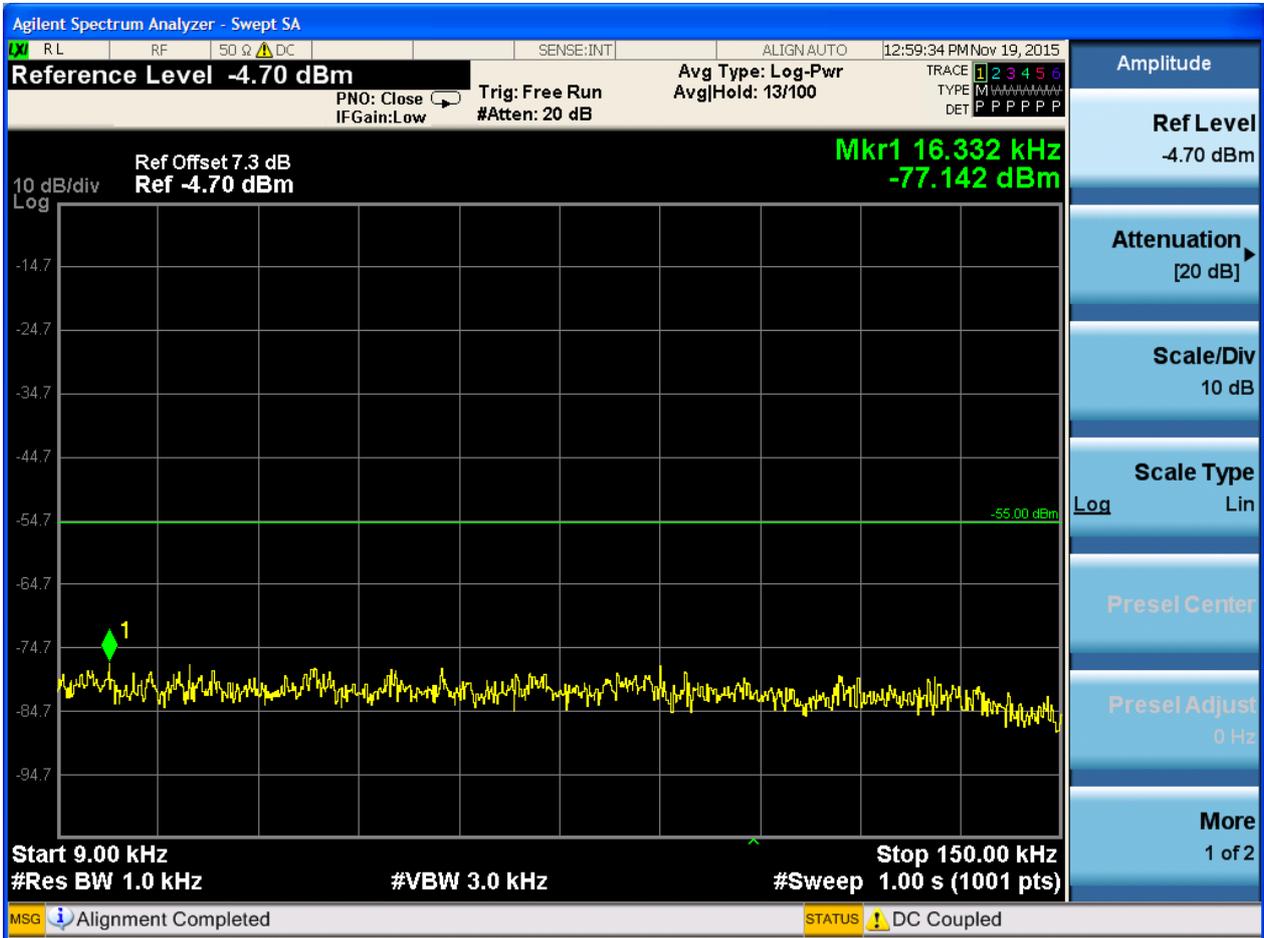


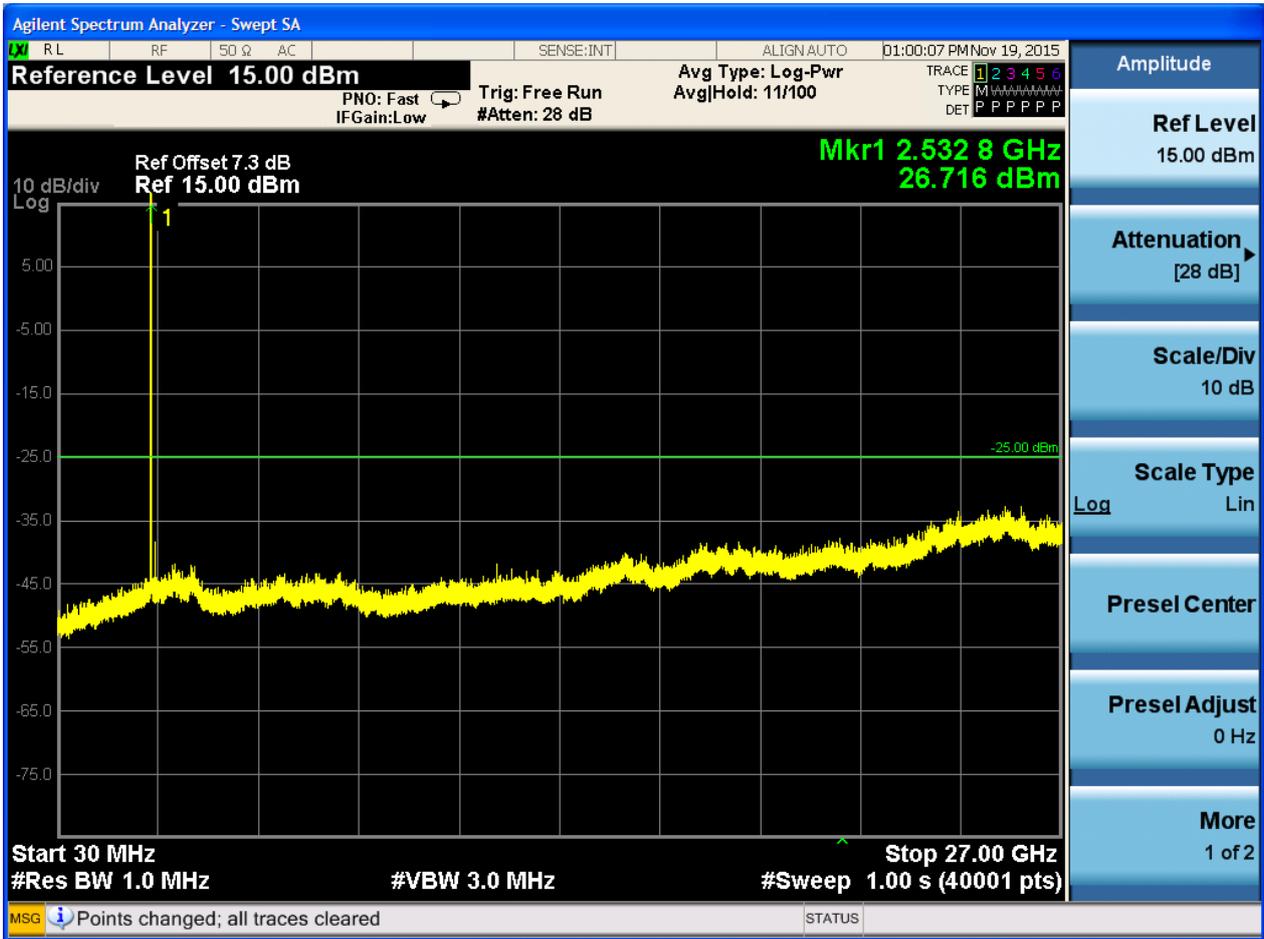


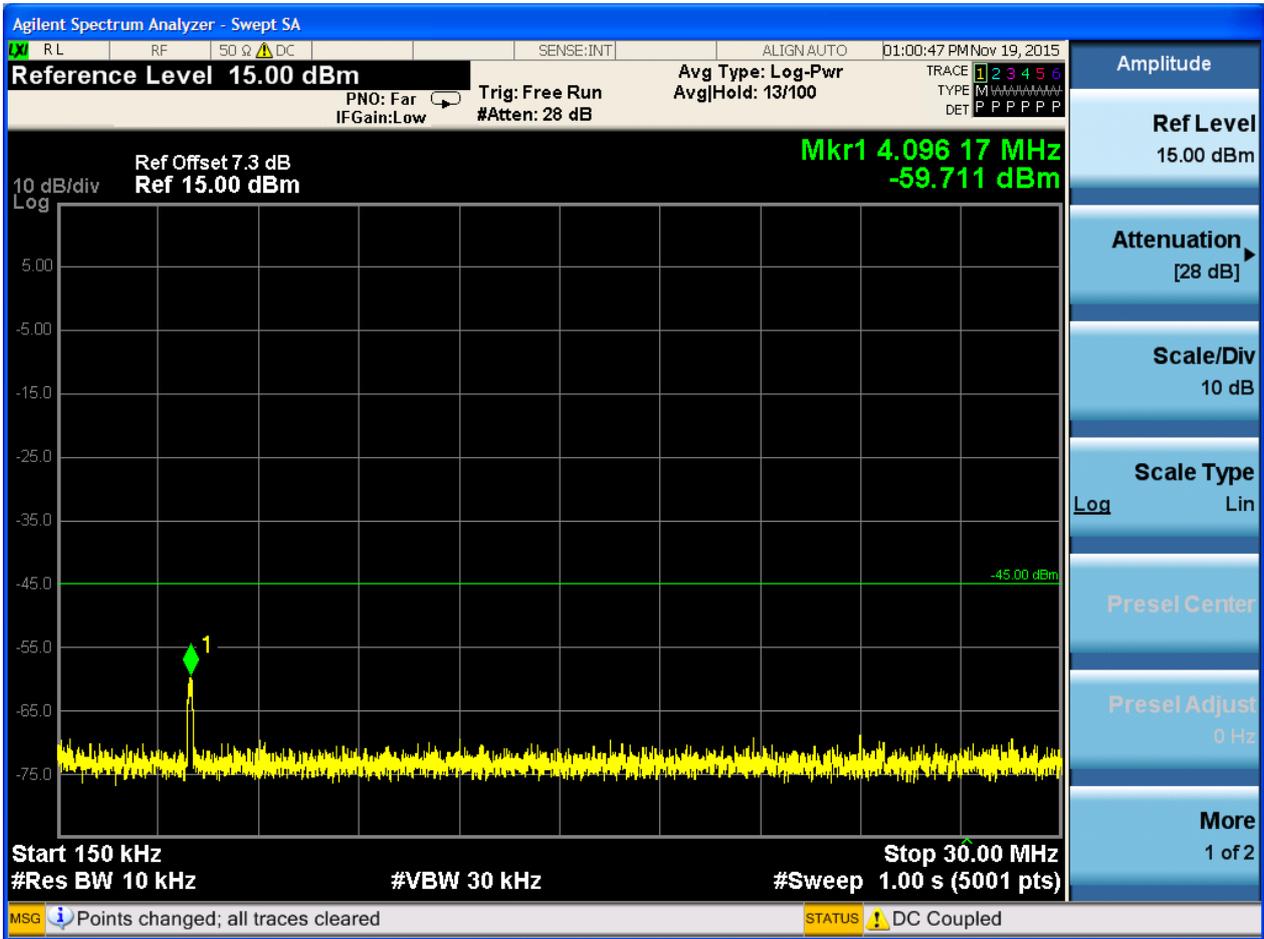


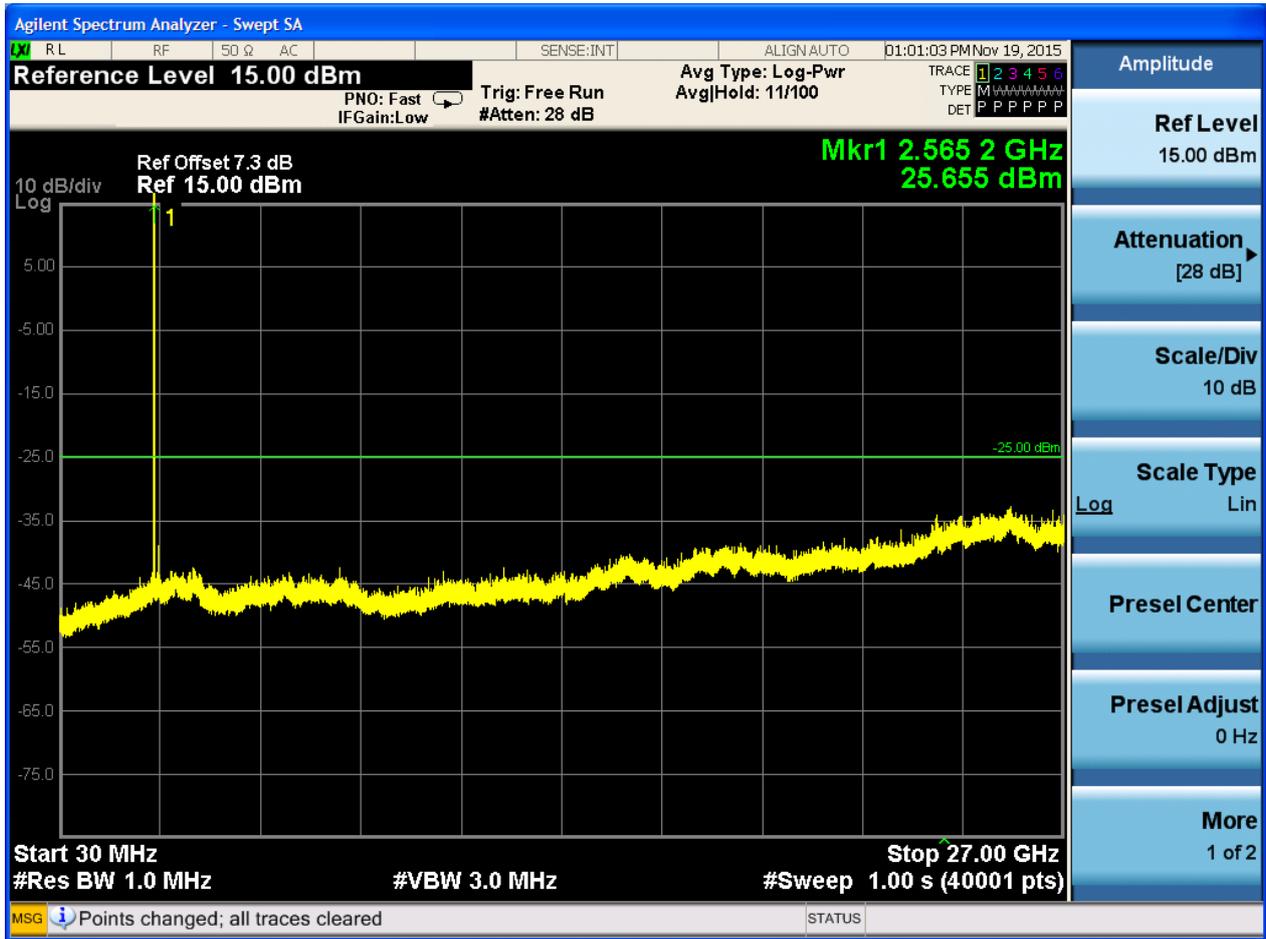
6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0







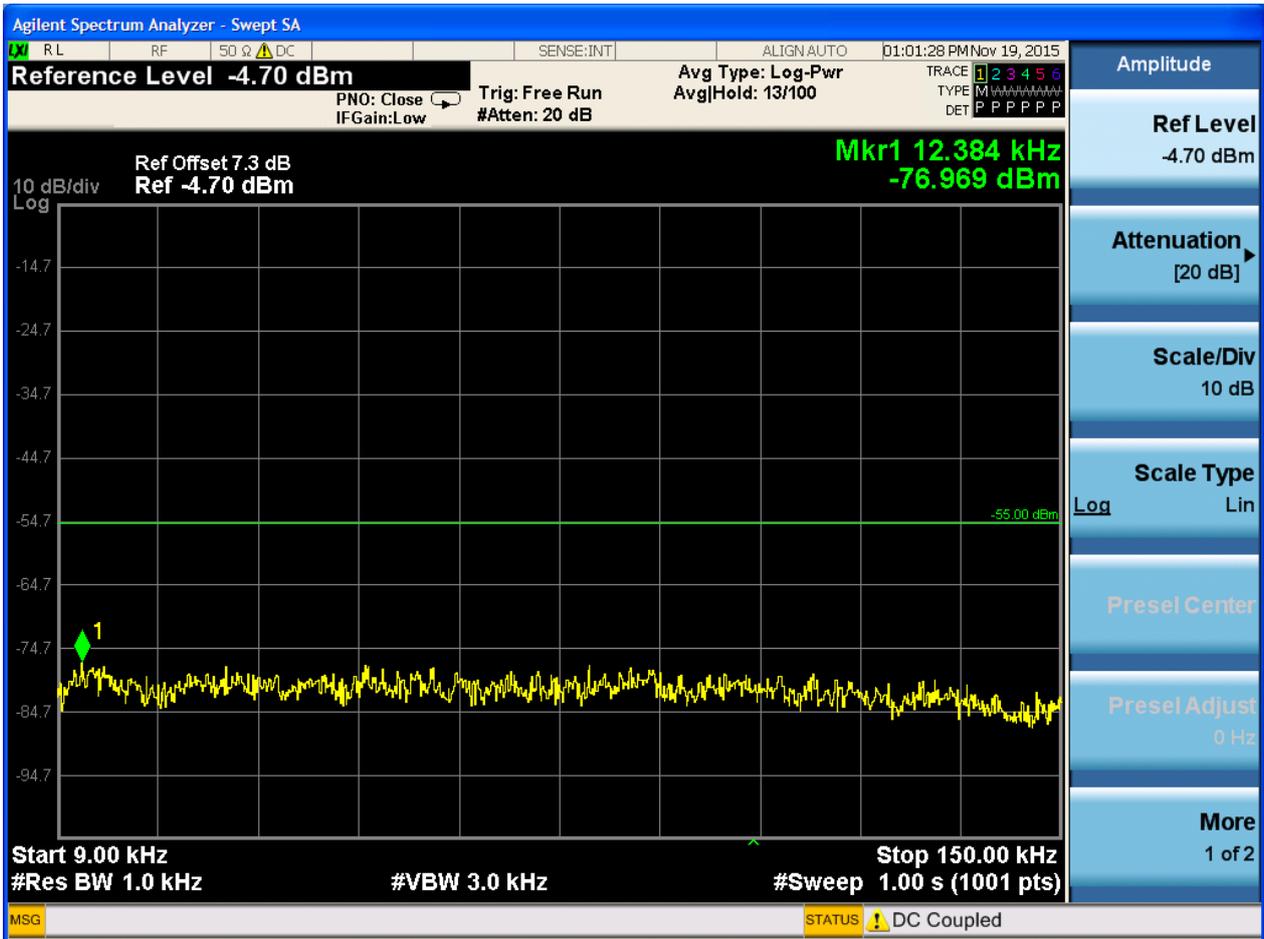


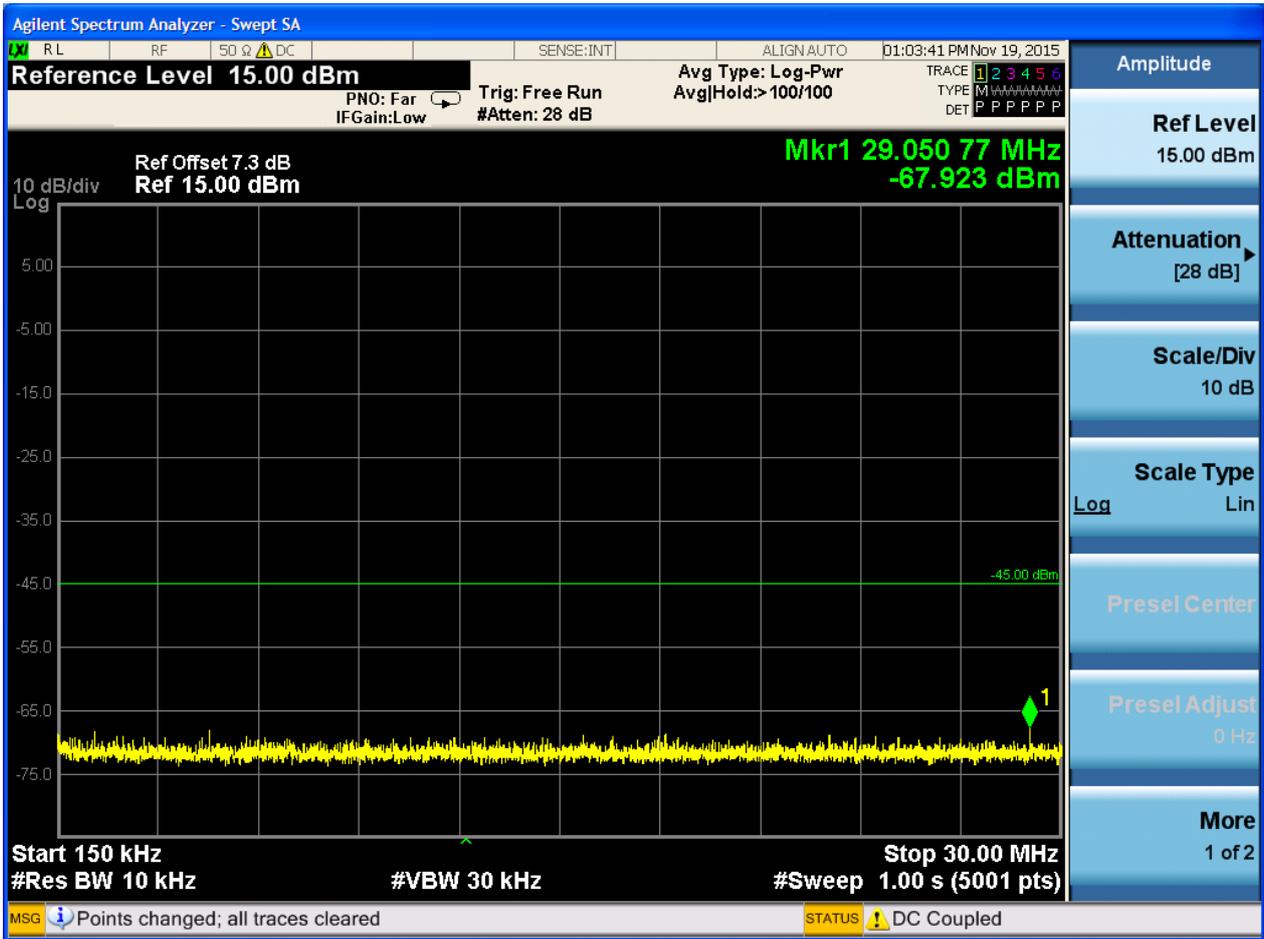


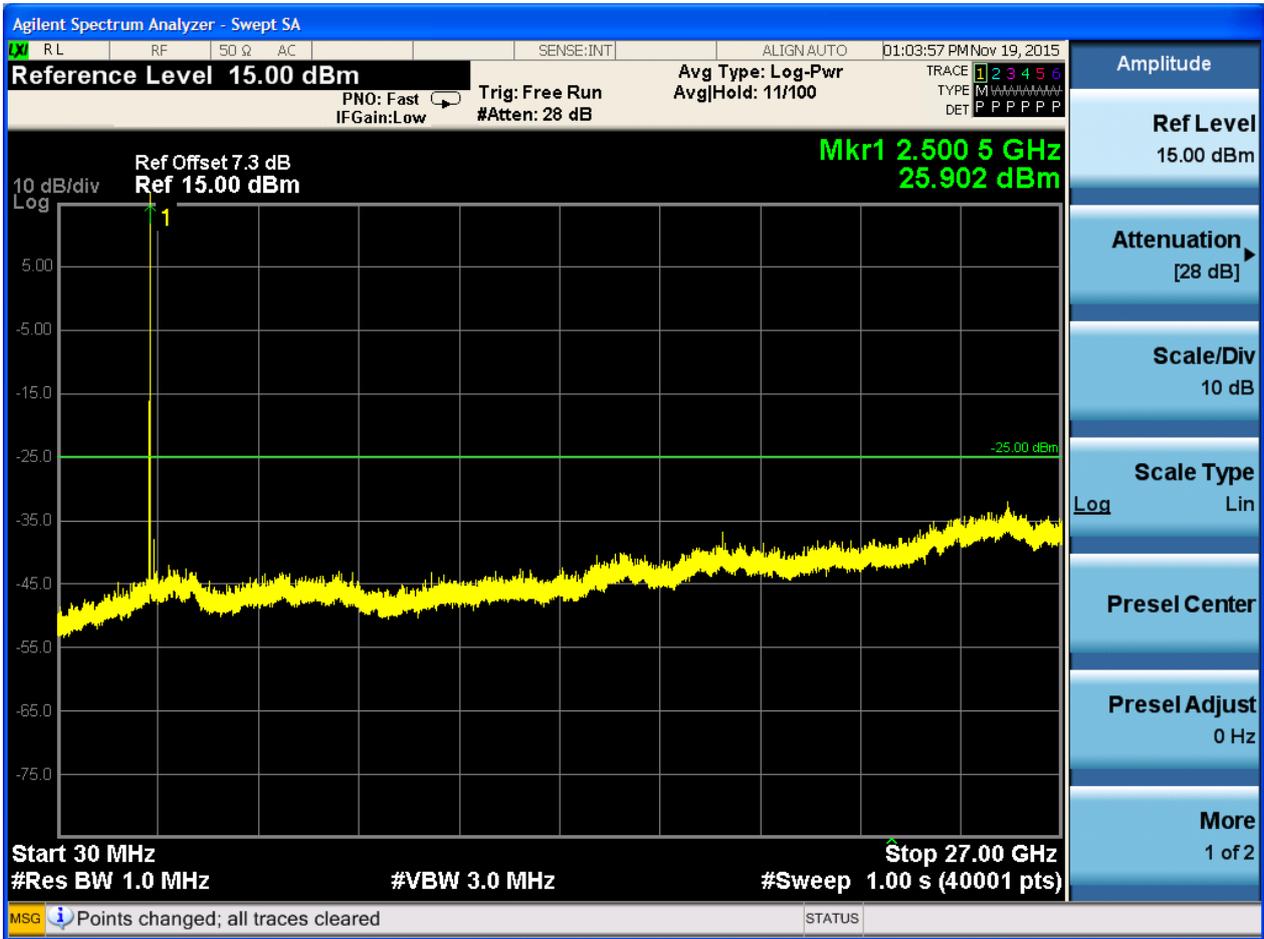
6.1.1.2.2 Test Bandwidth = 10

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0



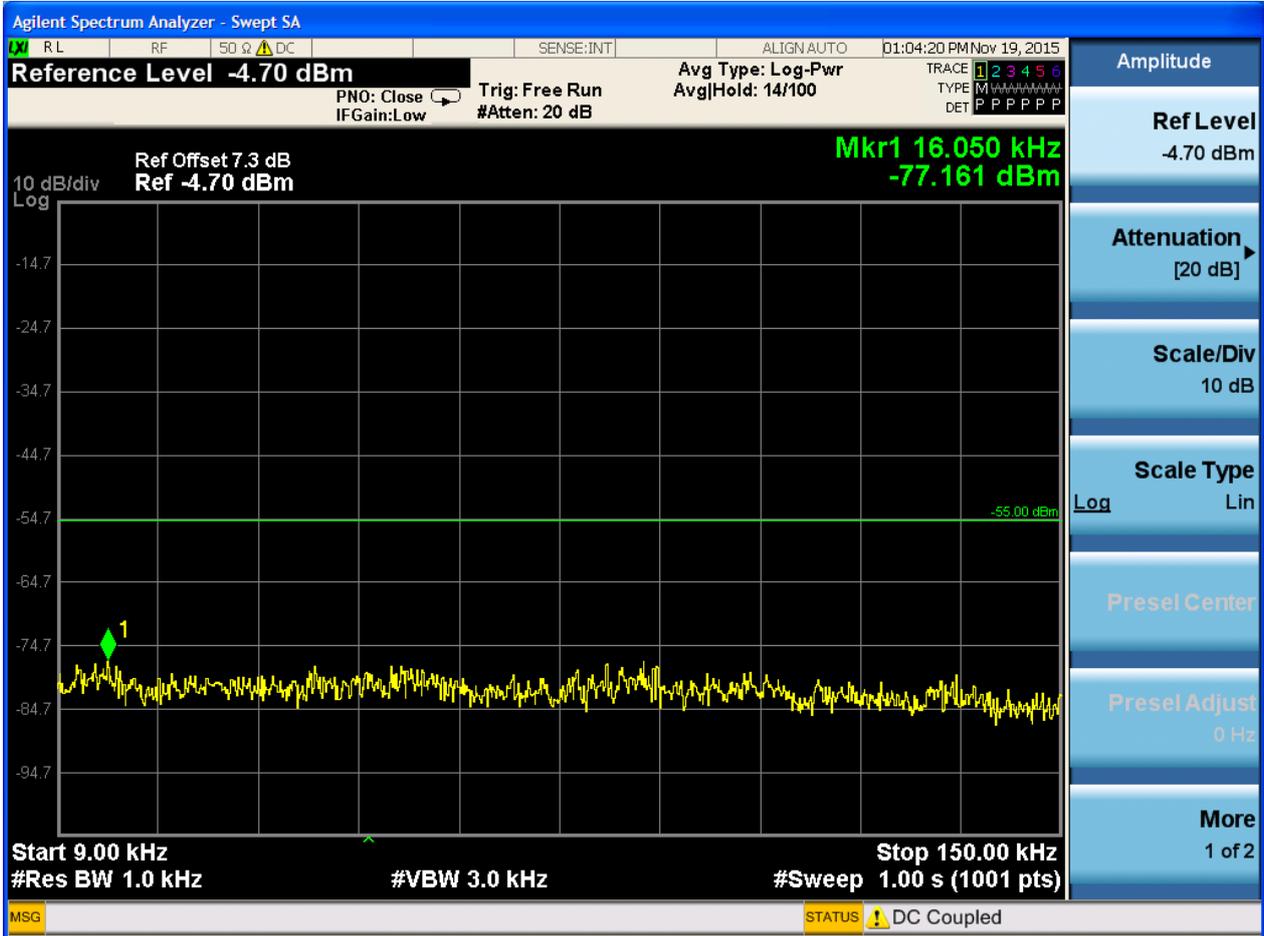


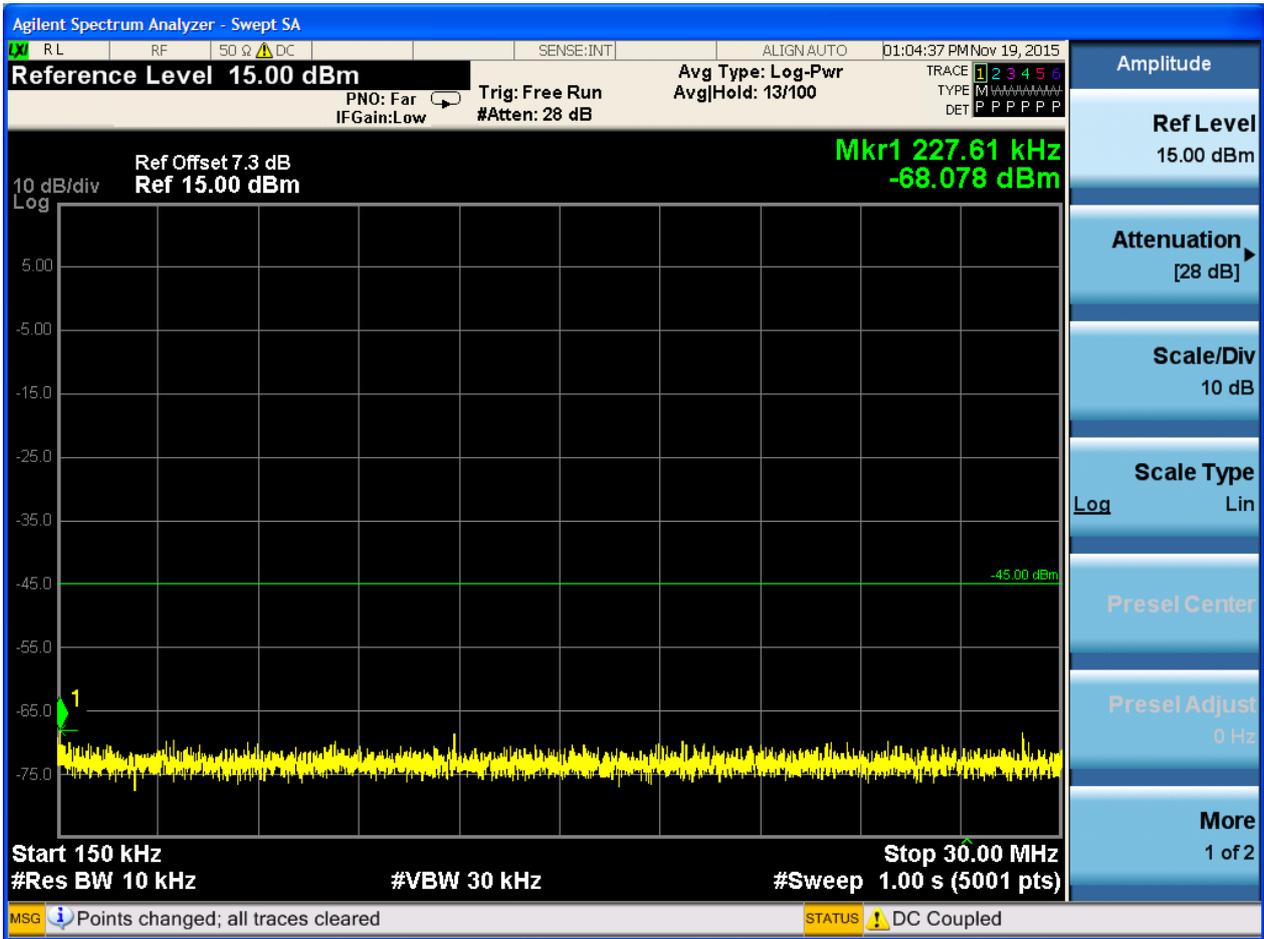




6.1.1.2.2.2 Test Channel = MCH

6.1.1.2.2.2.1 Test RB = RB1#0



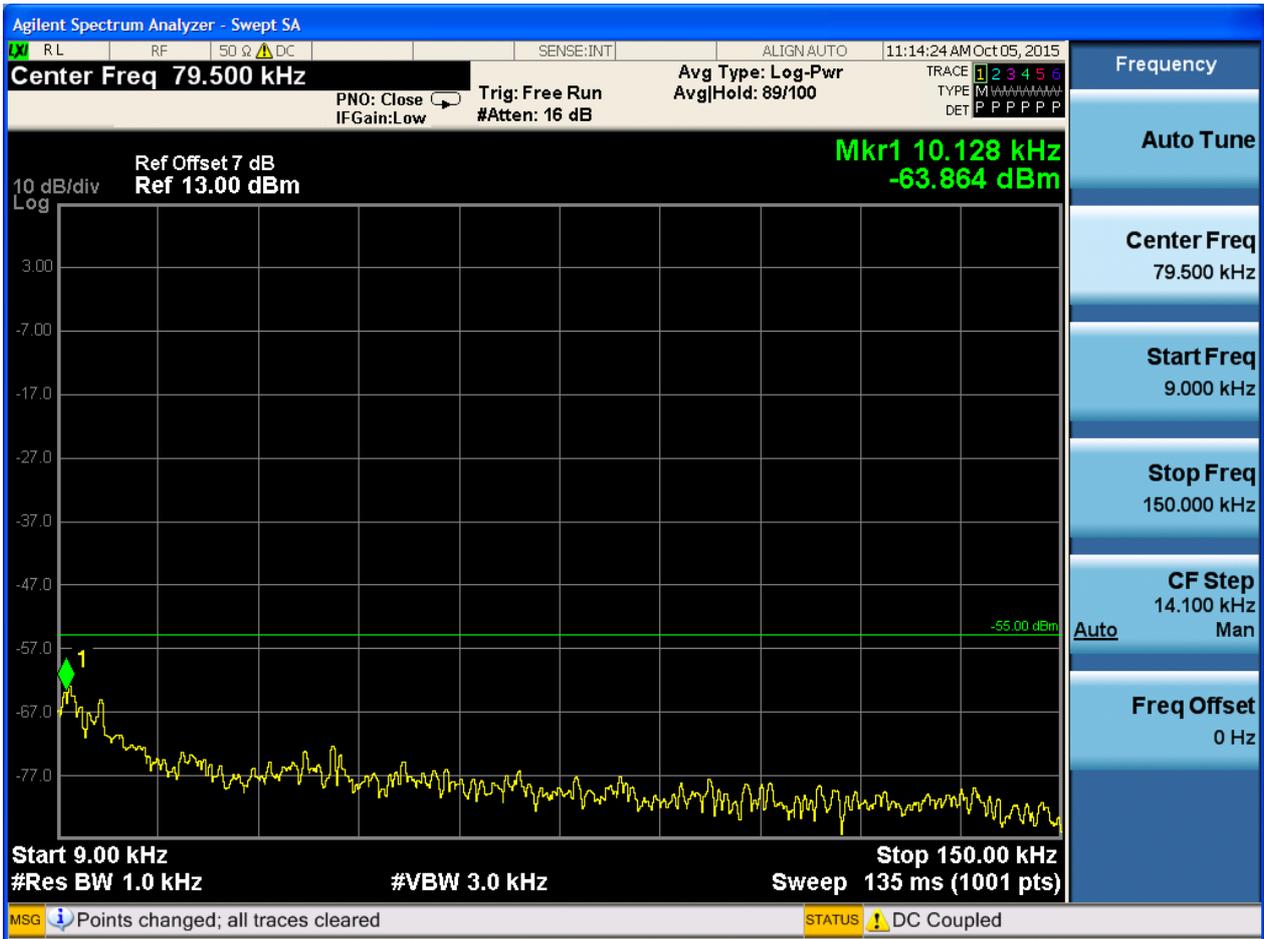






6.1.1.2.2.3 Test Channel = HCH

6.1.1.2.2.3.1 Test RB = RB1#0

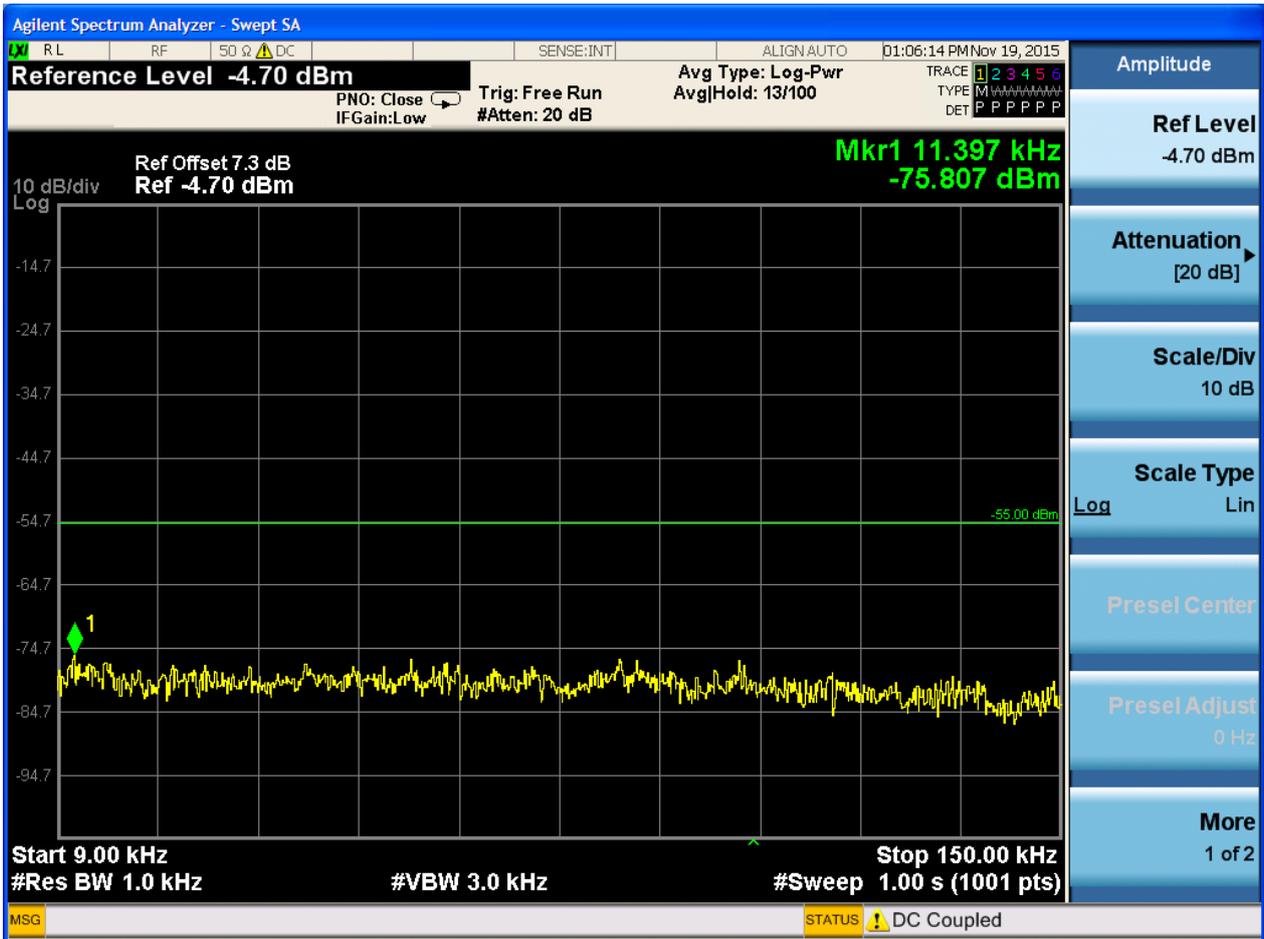


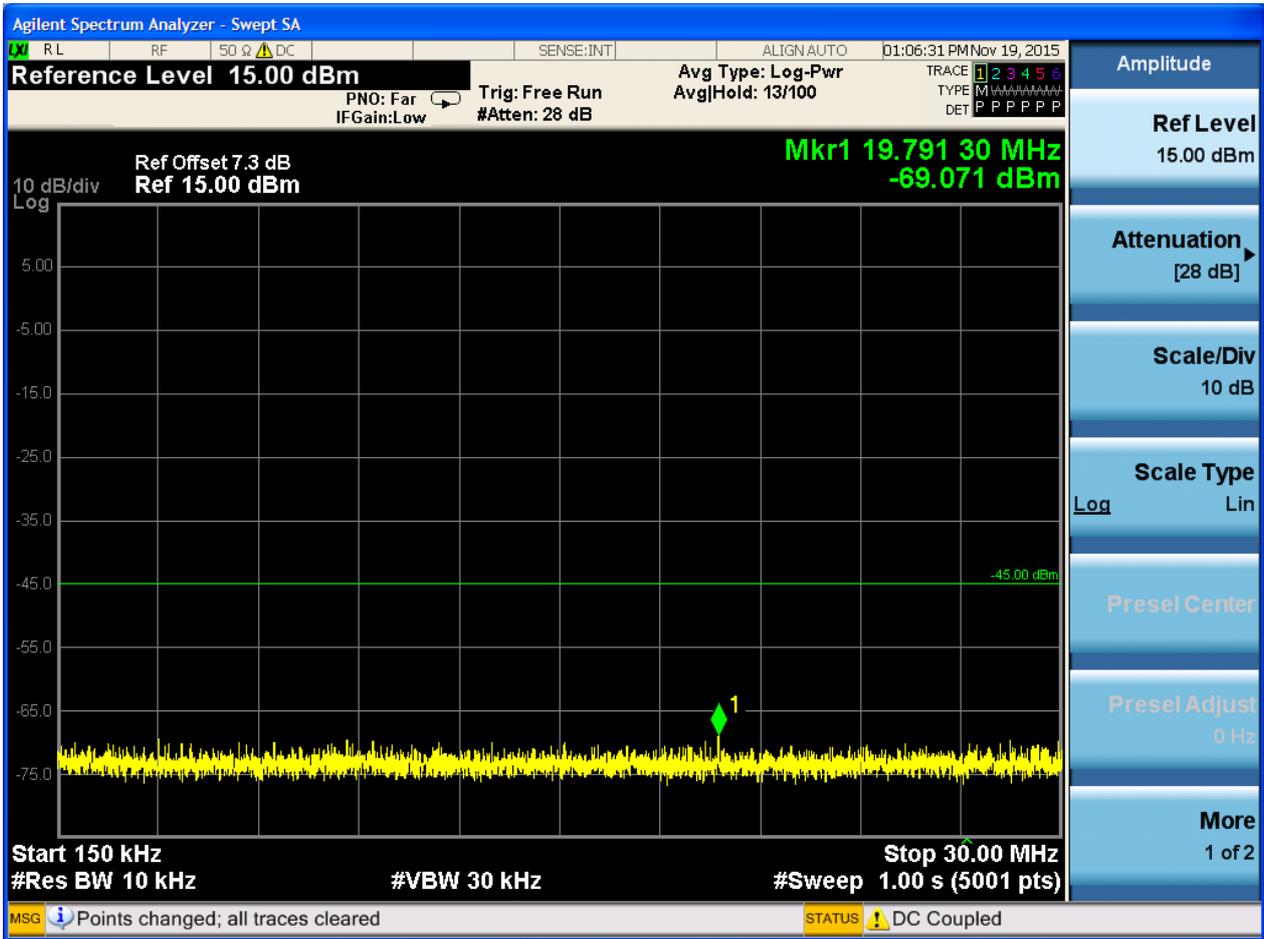


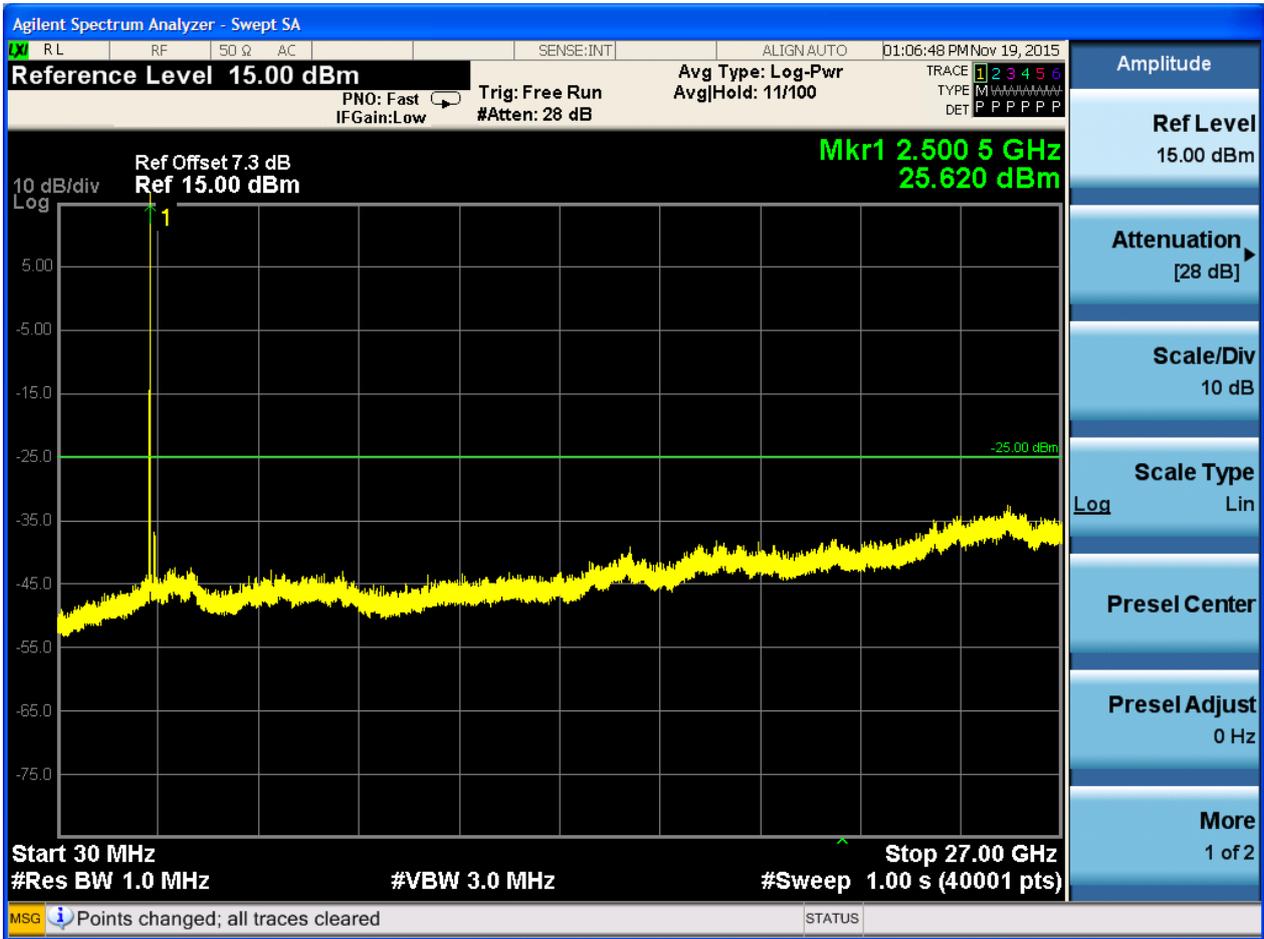
6.1.1.2.3 Test Bandwidth = 15

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



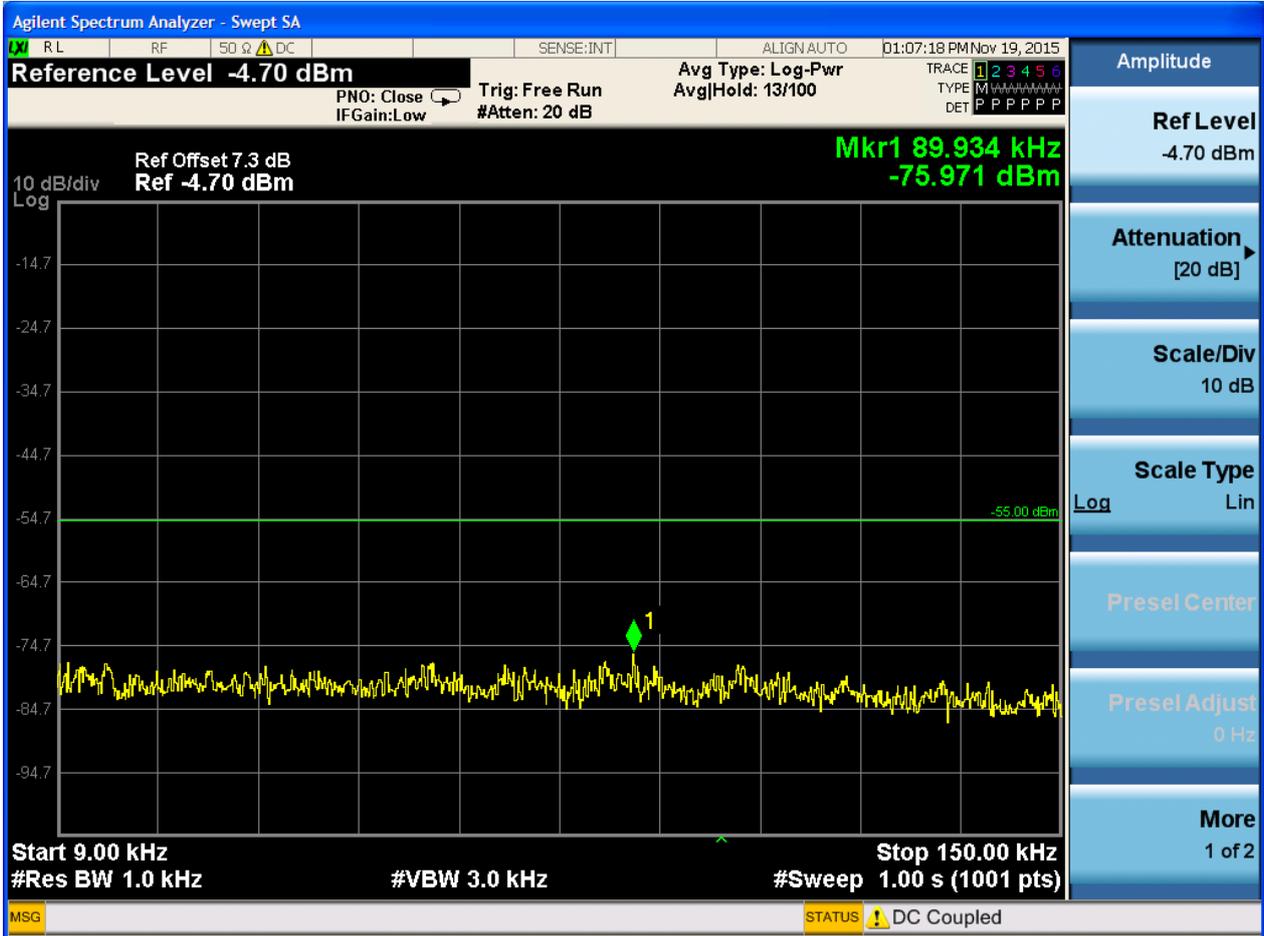


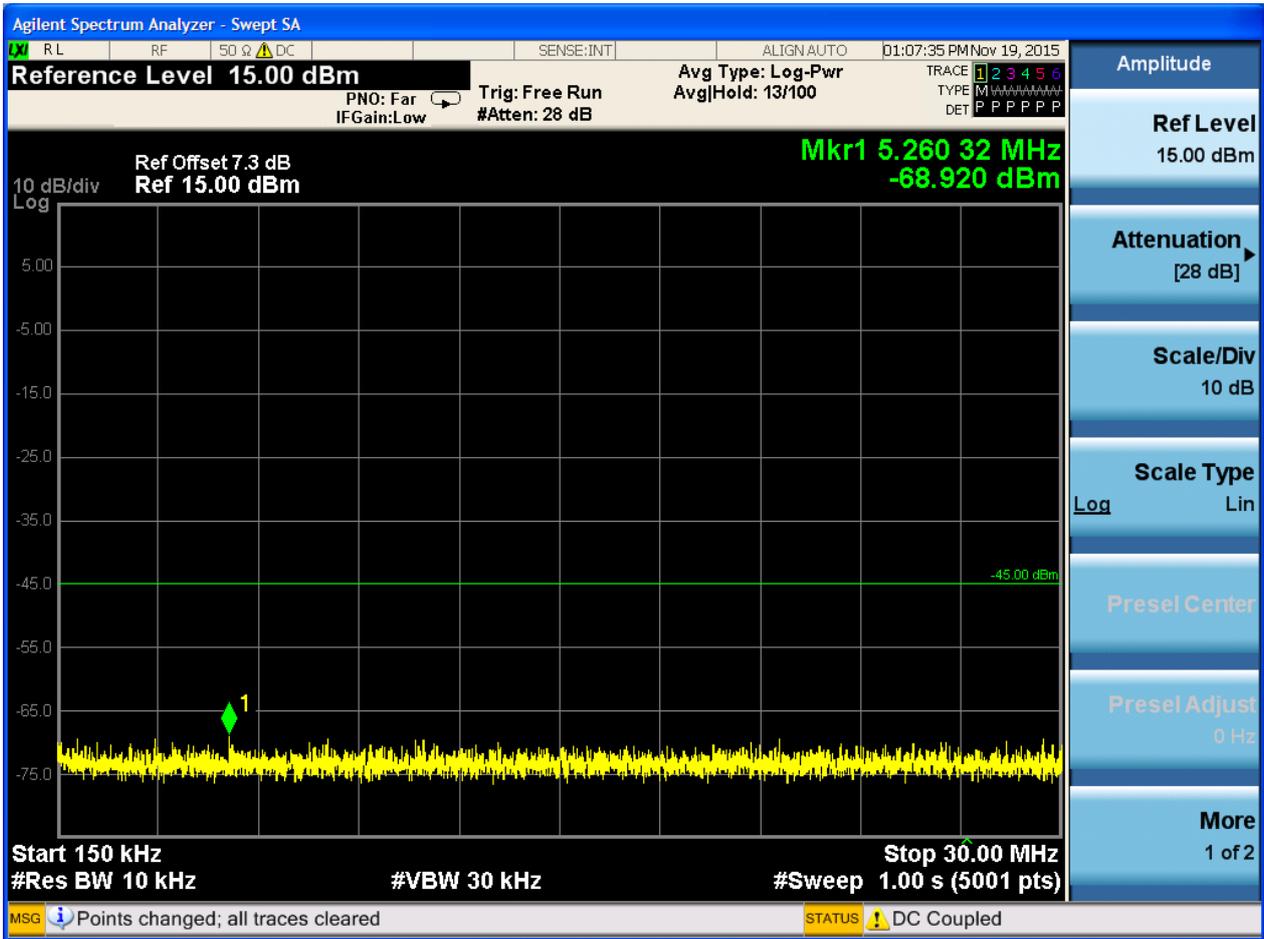




6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0



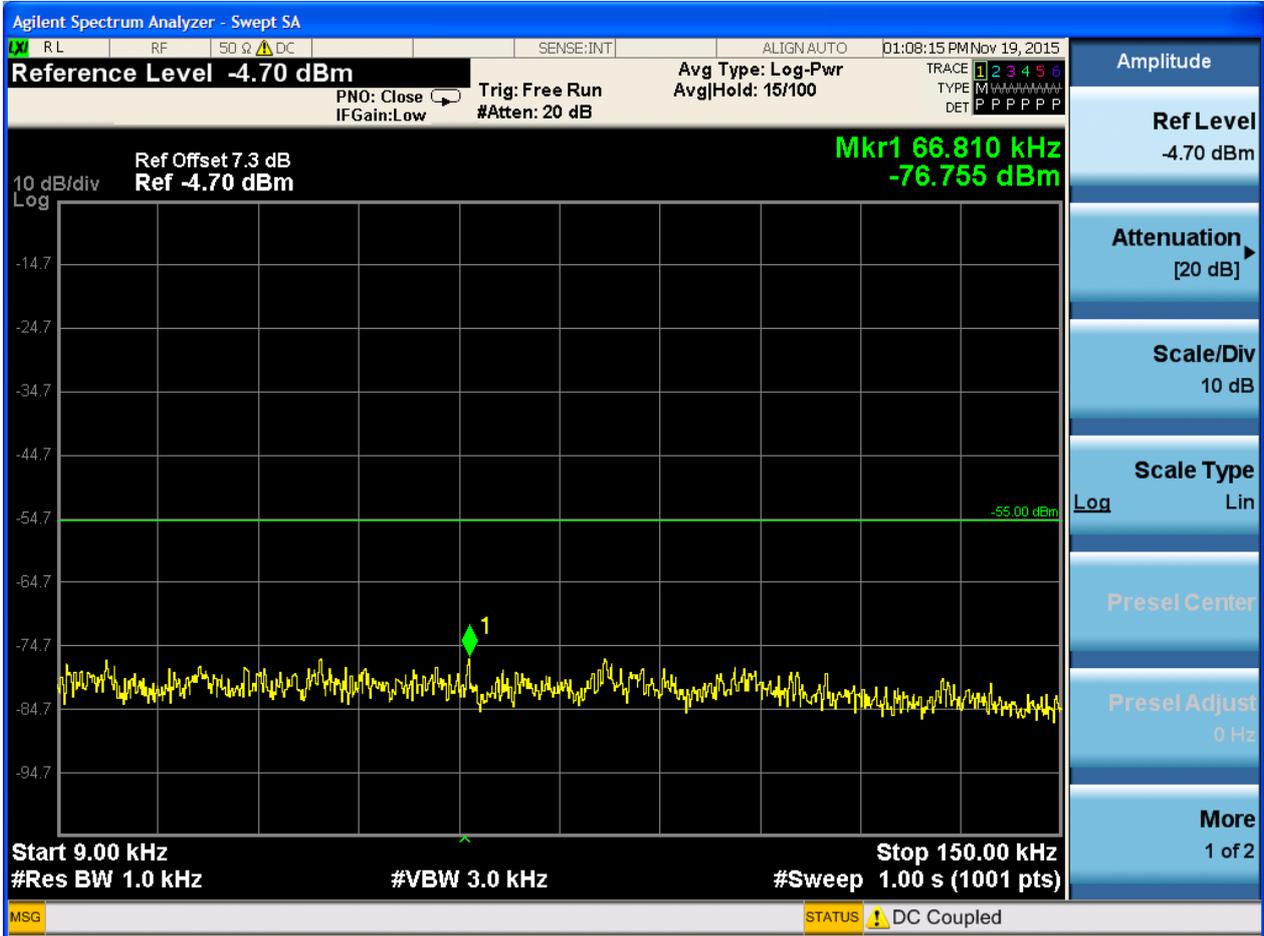


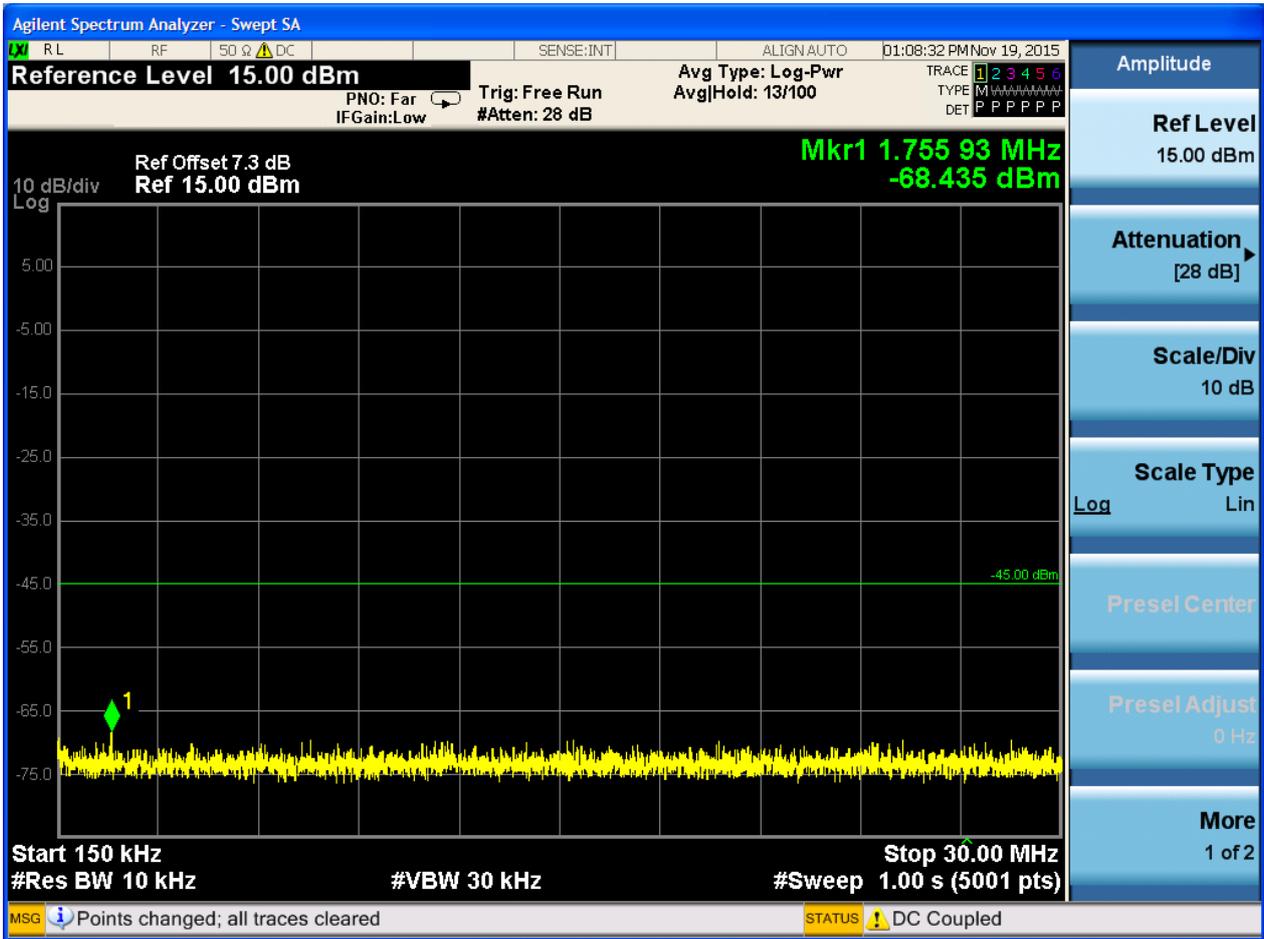




6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





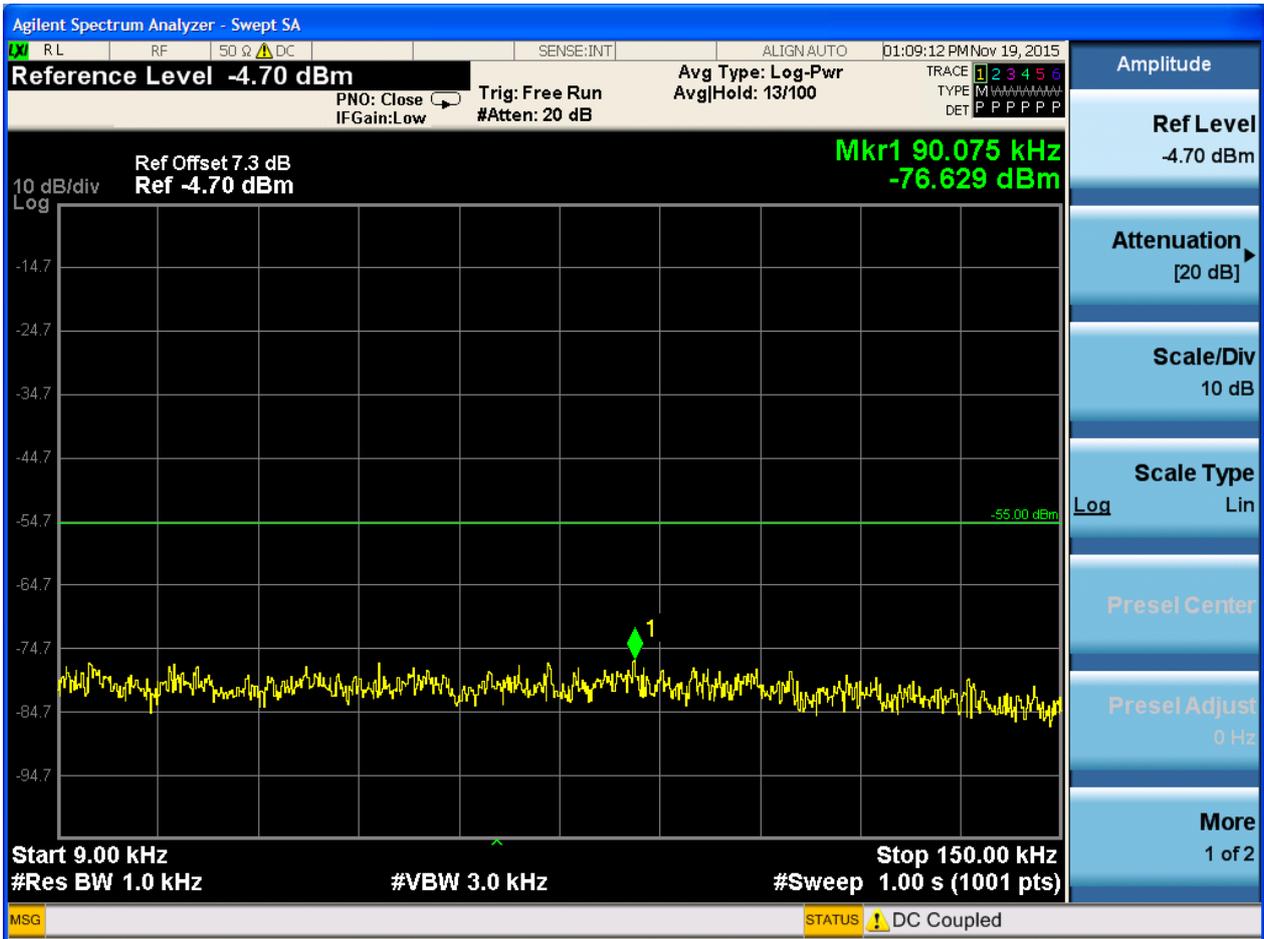


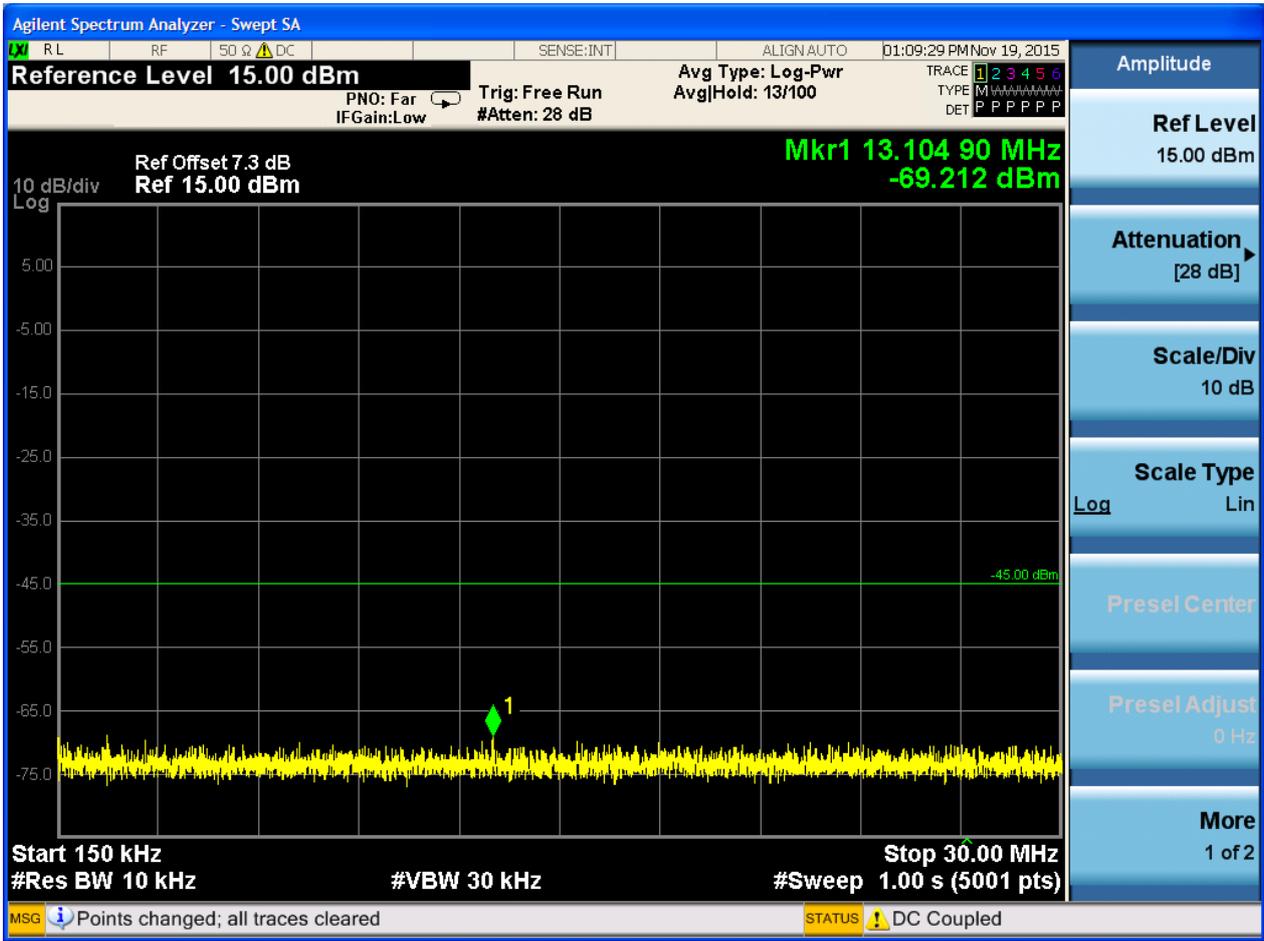


6.1.1.2.4 Test Bandwidth = 20

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



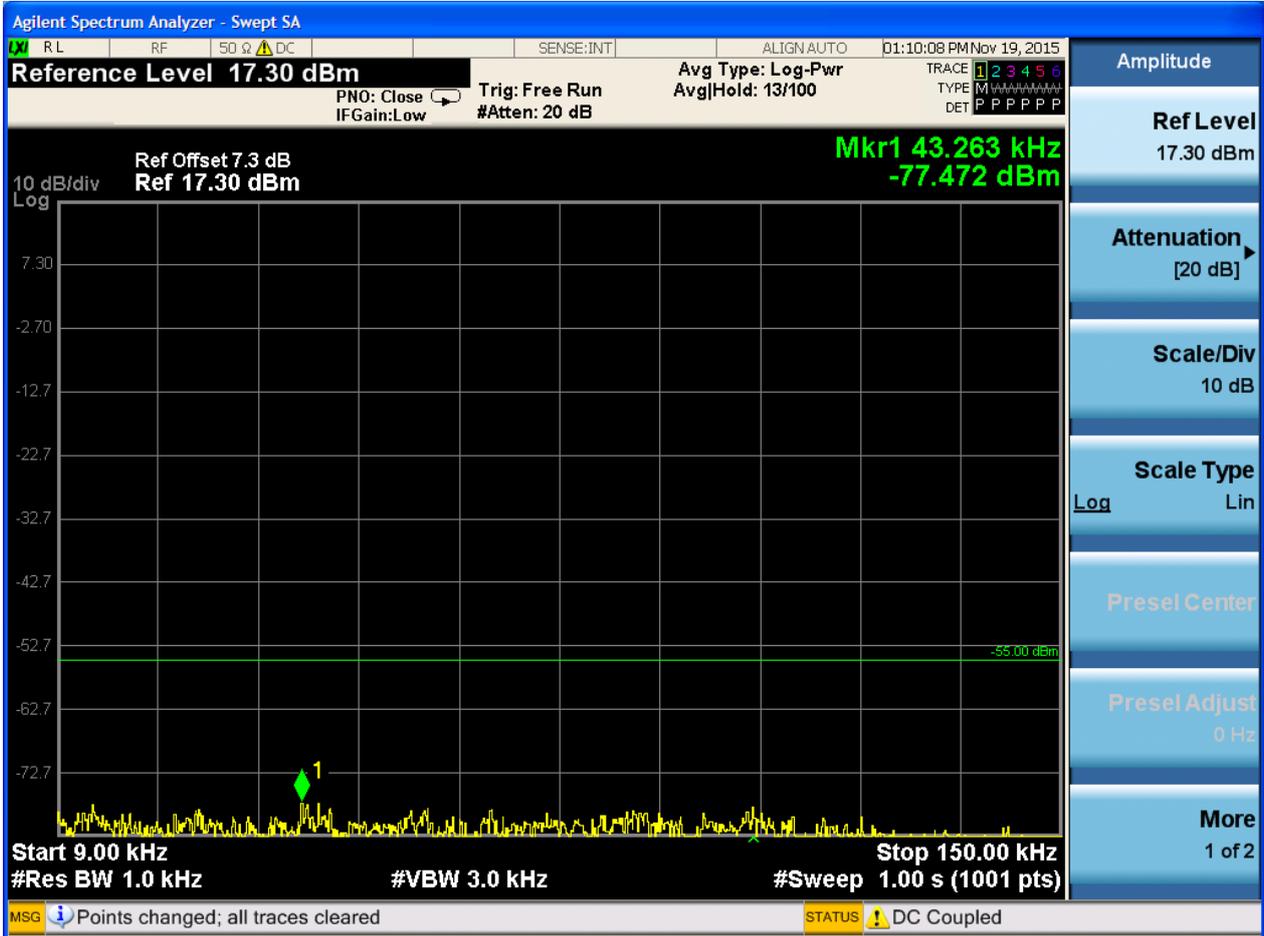


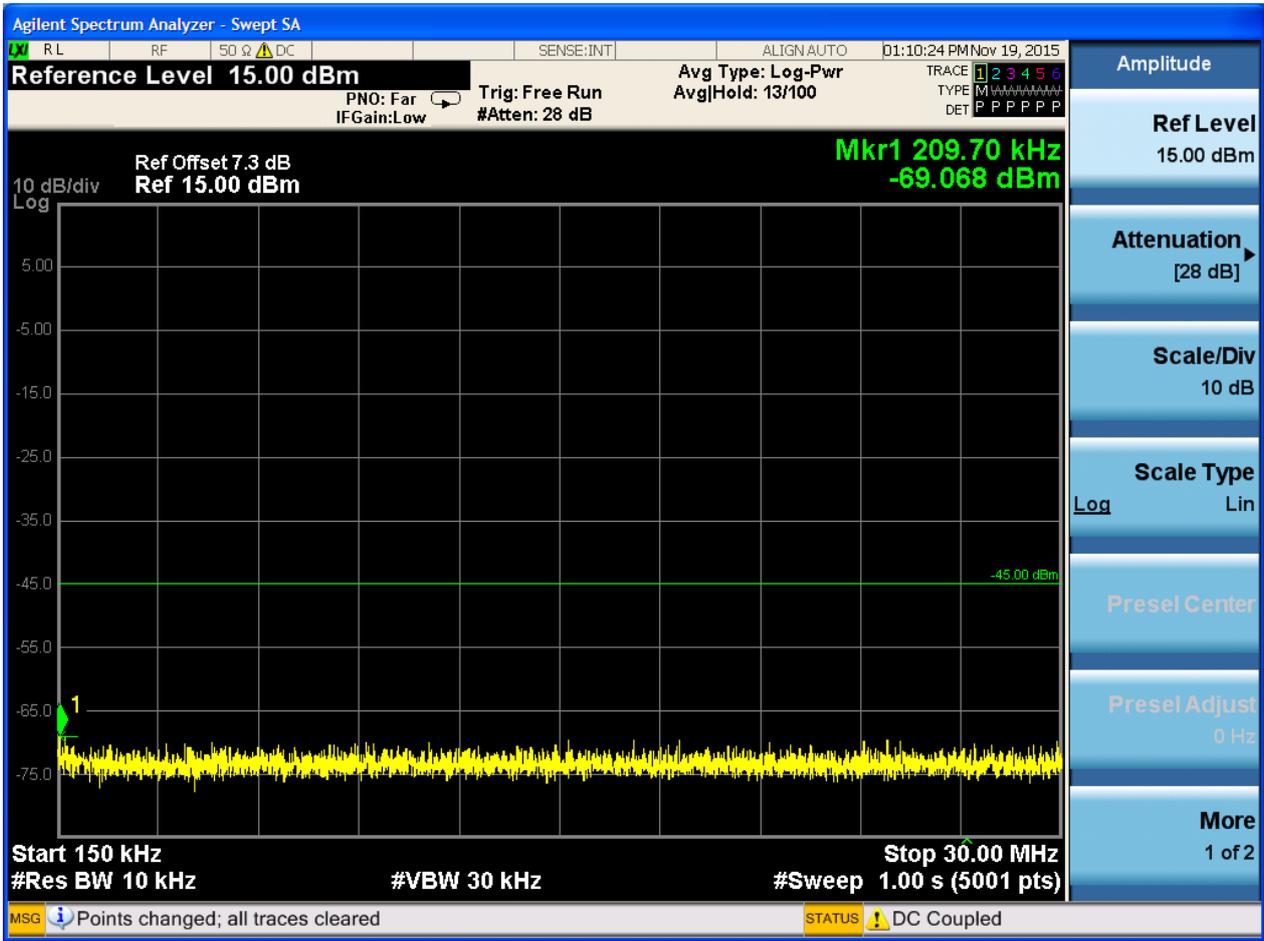




6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0



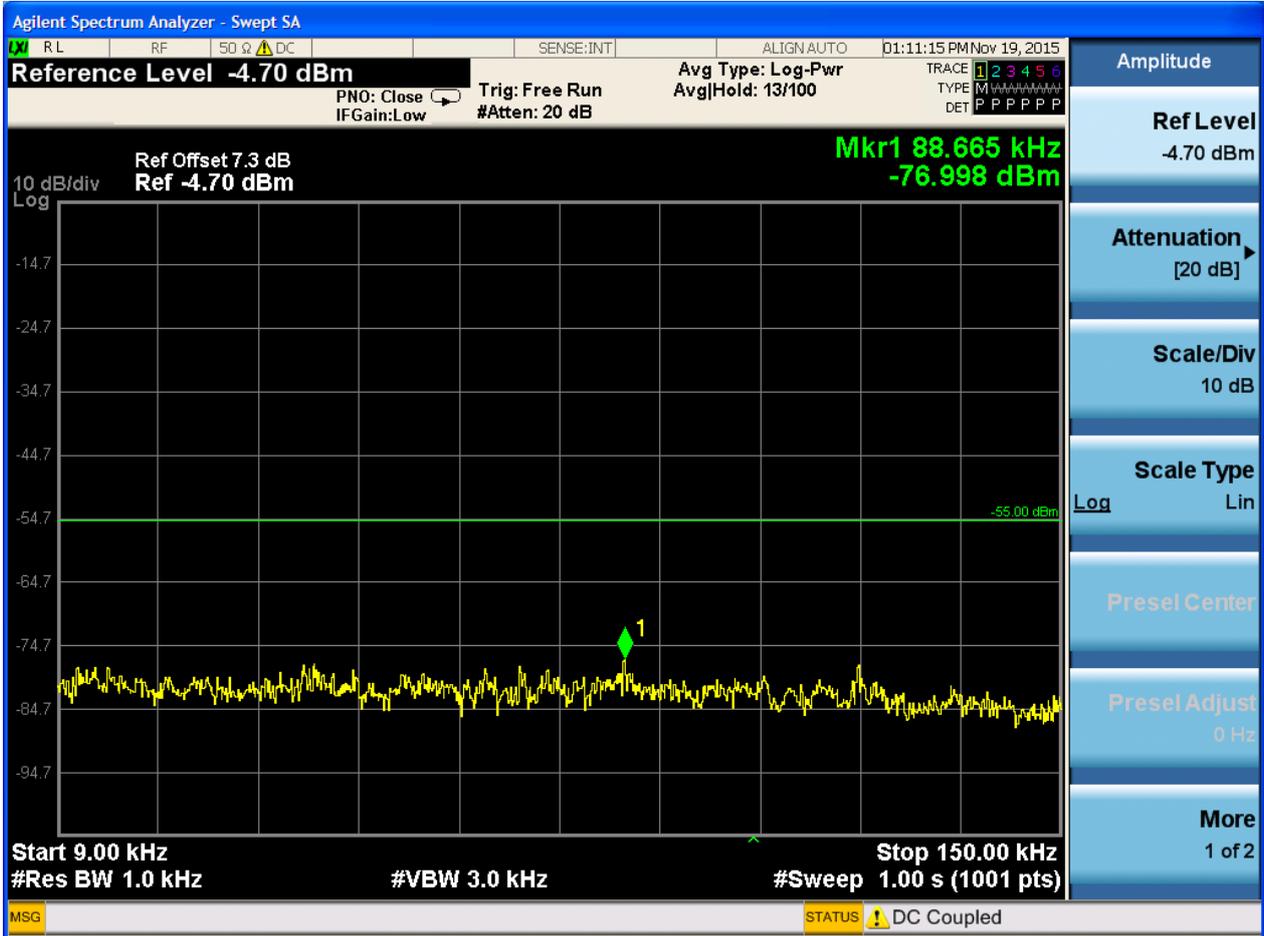


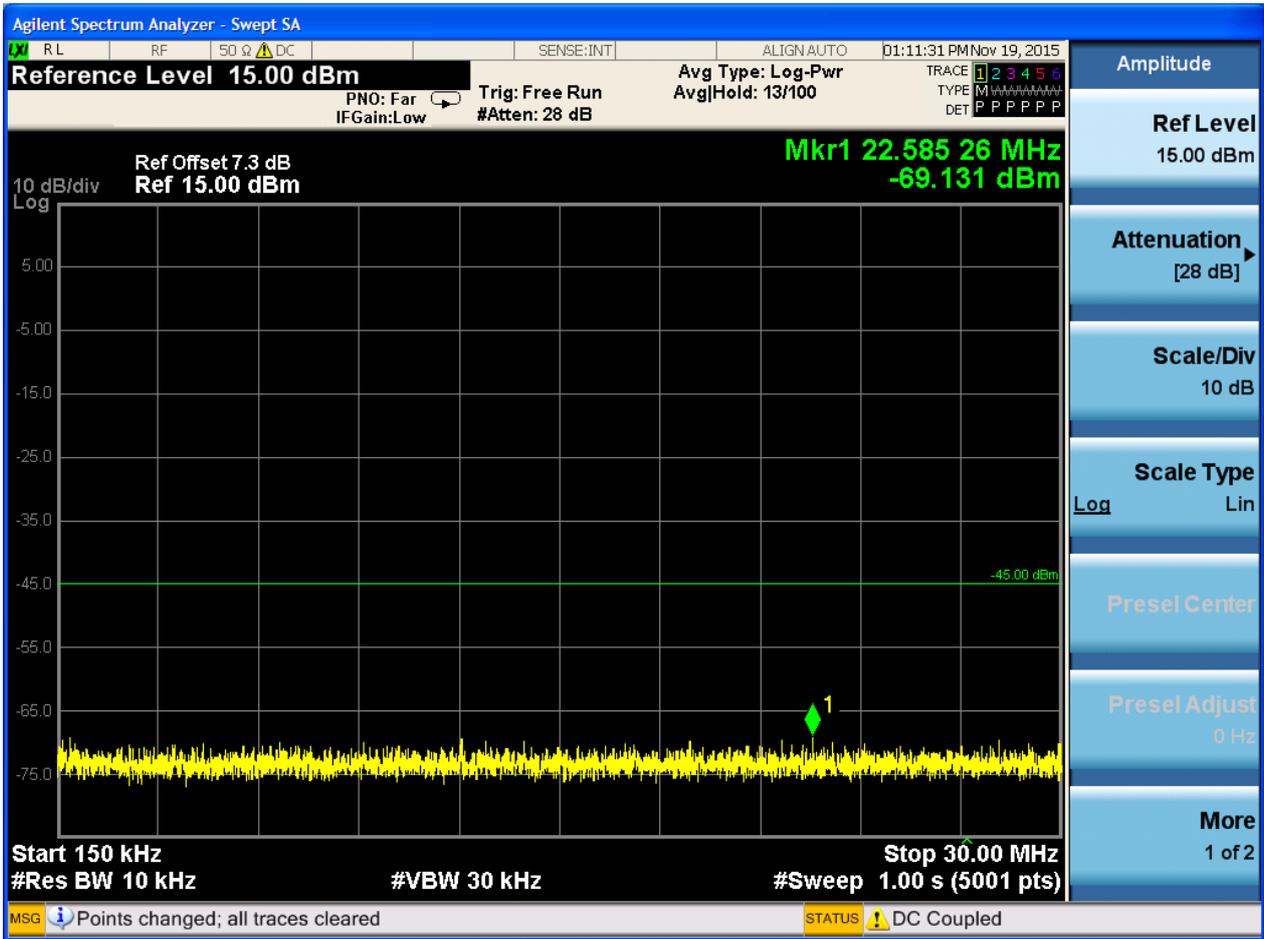




6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0





7Appendix_G: Field Strength of Spurious Radiation

Note:

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

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

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

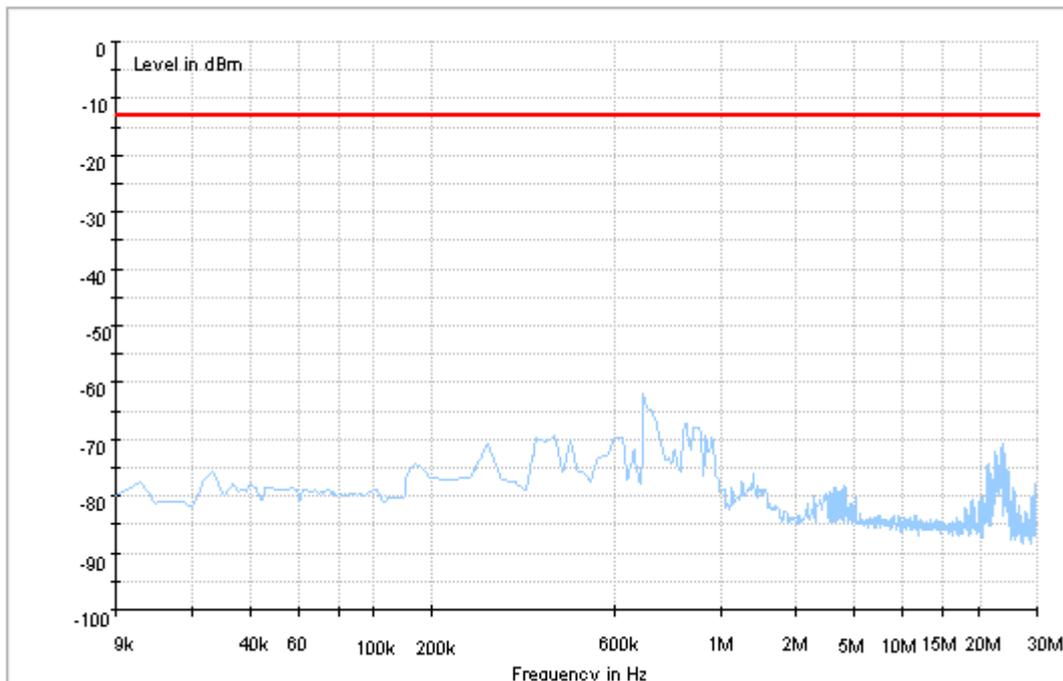
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

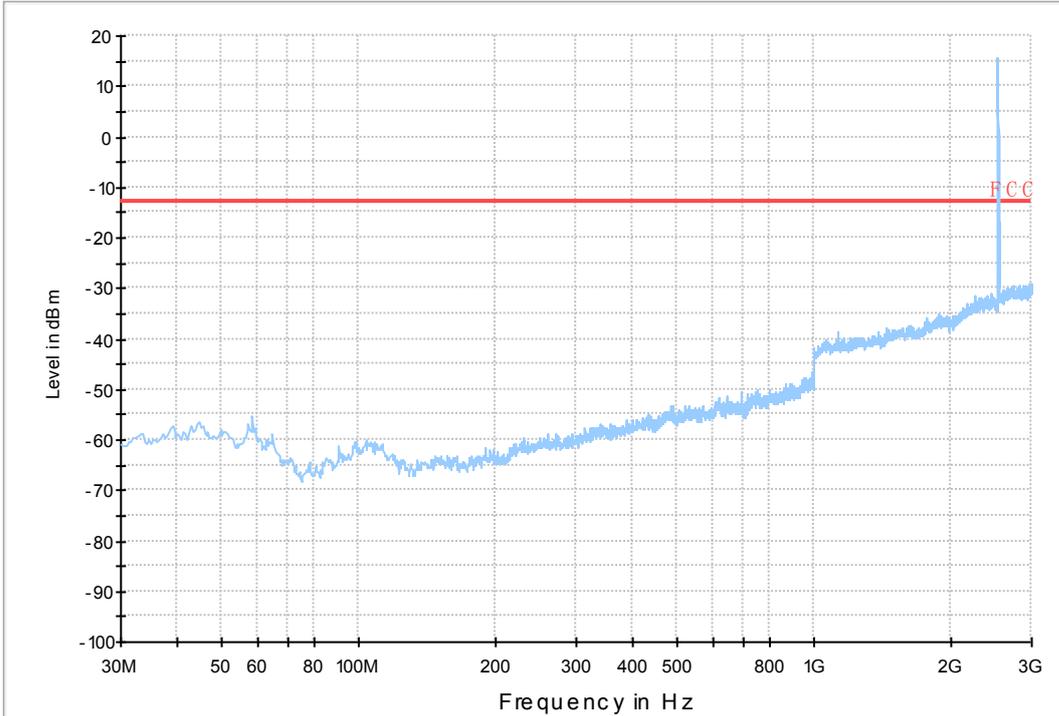
7.1 For LTE

7.1.1 Test Band = BAND7

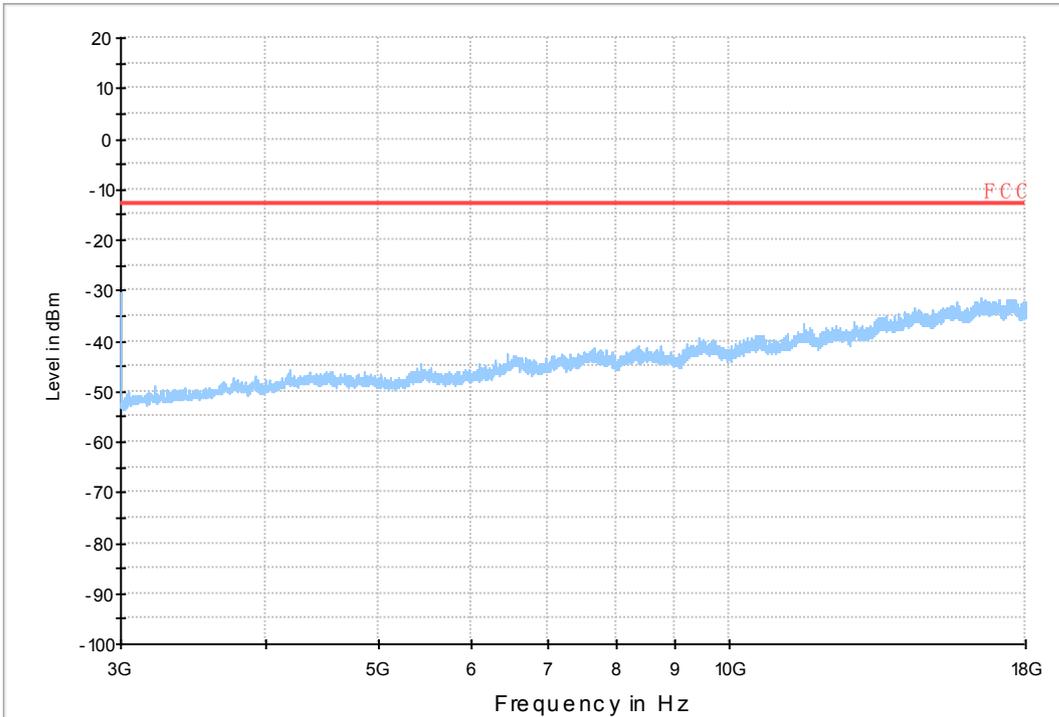
7.1.1.1 Test Bandwidth = 5

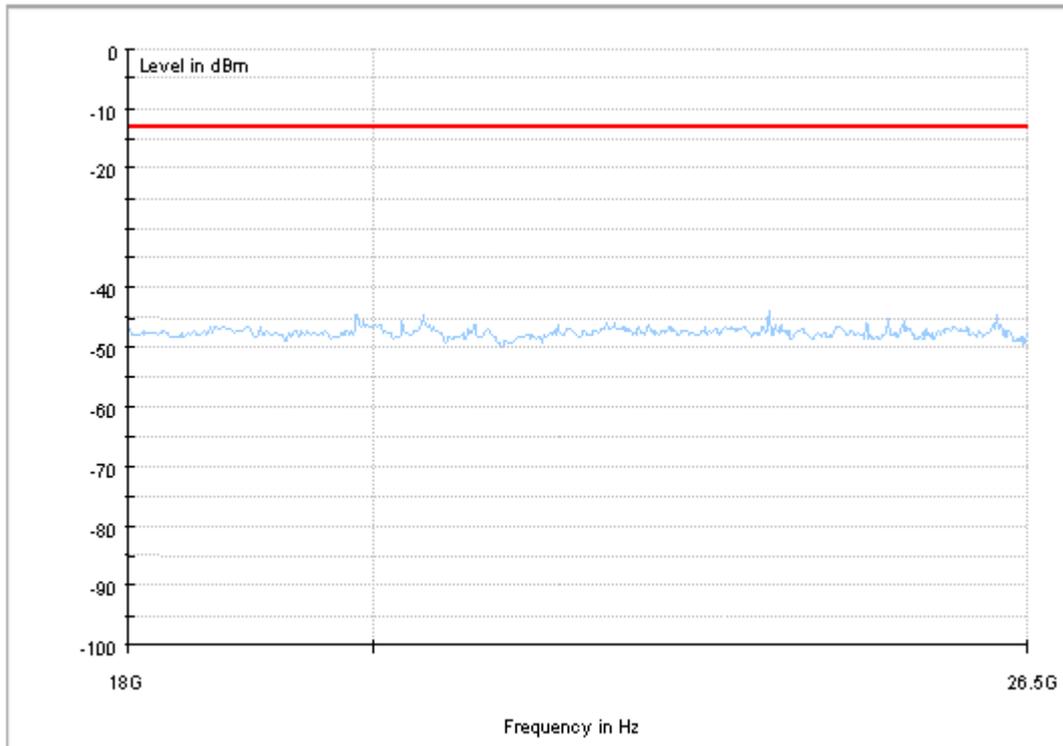


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

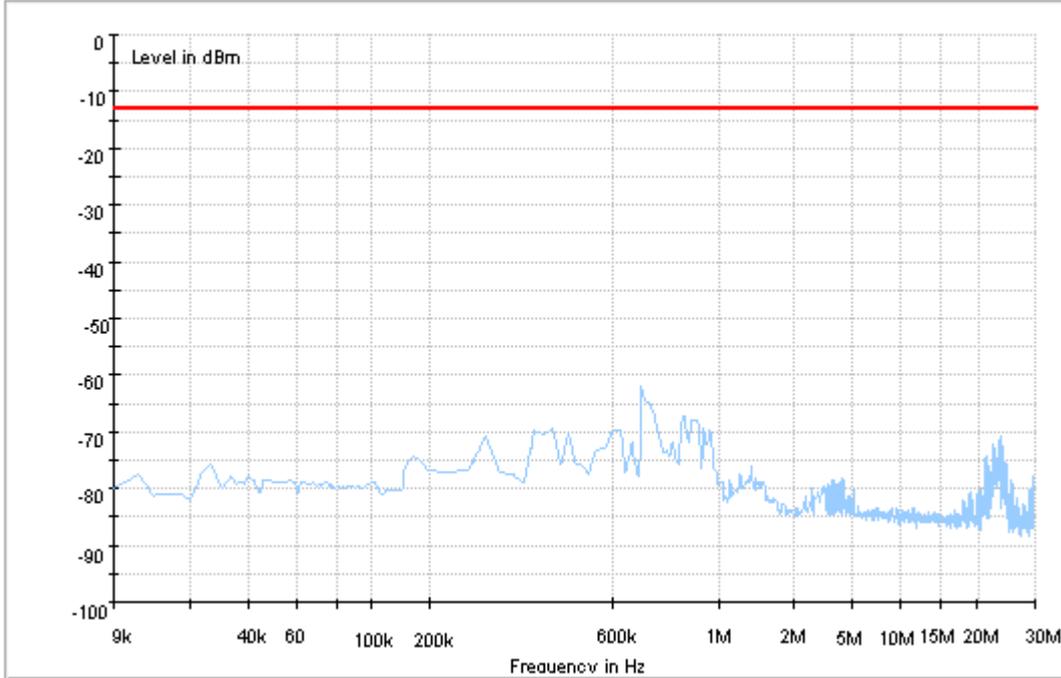


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

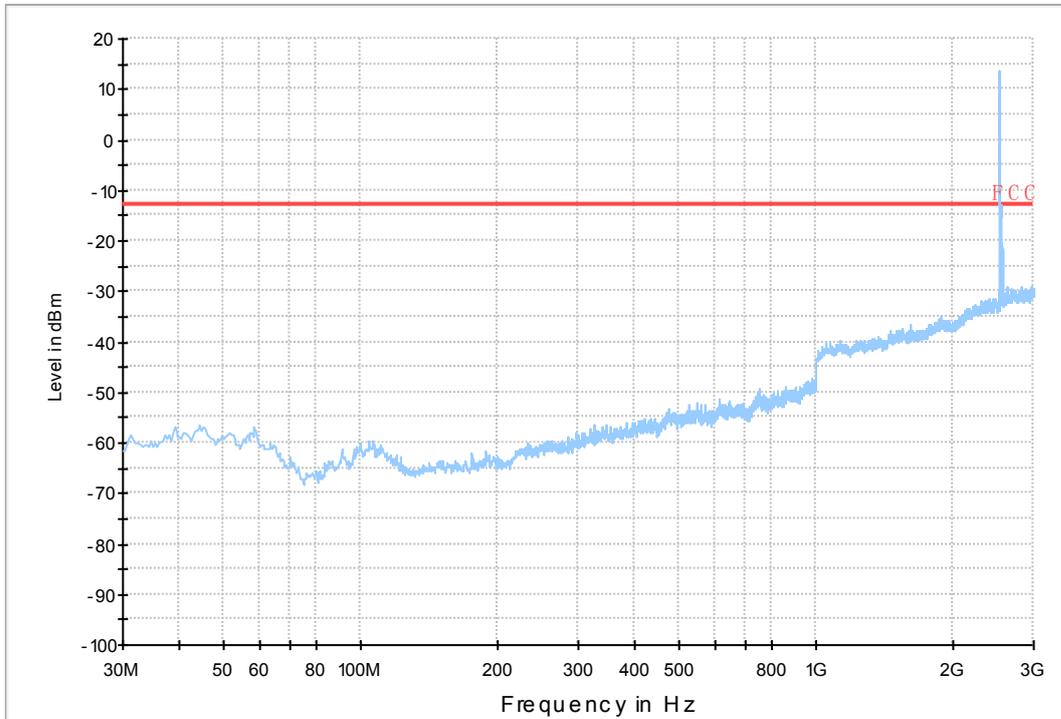




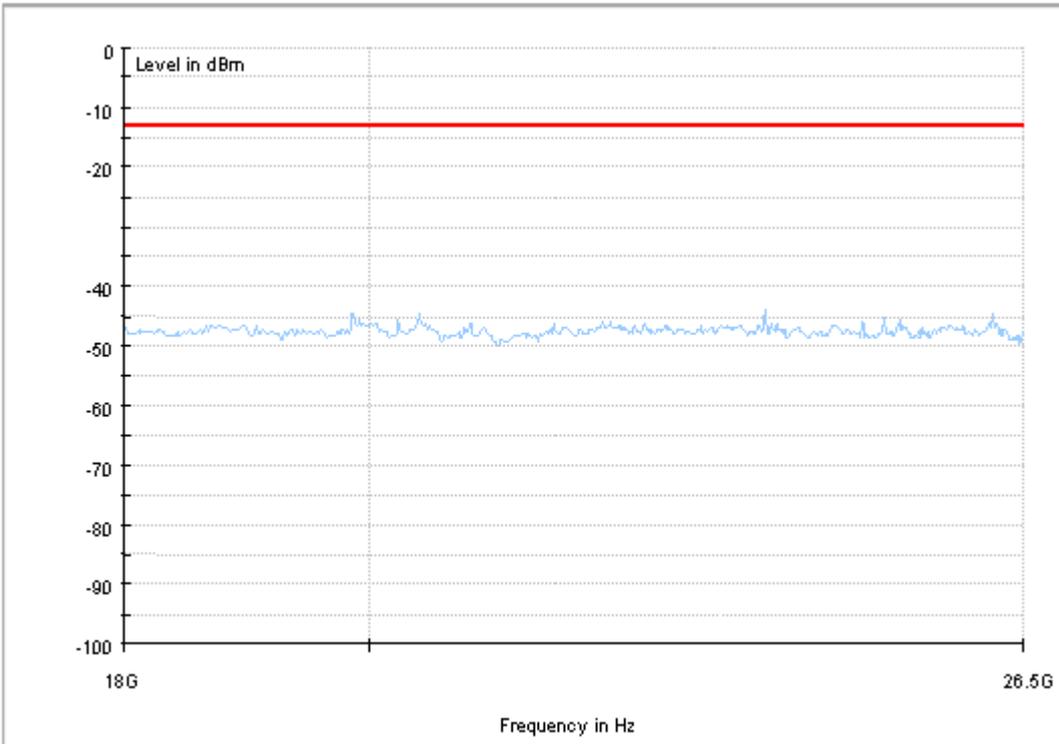
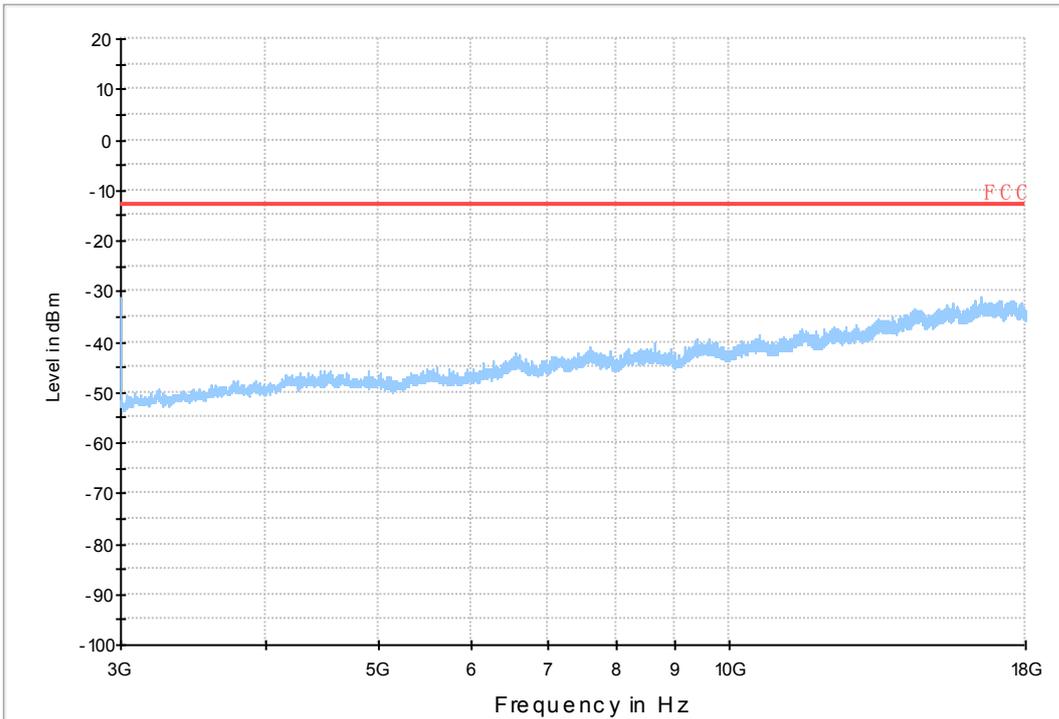
7.1.1.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H





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	1.66	.00066	PASS
					VN	0.77	.00031	PASS
					VH	1.44	.00058	PASS
			MCH	TN	VL	2.37	.00093	PASS
					VN	1.57	.00062	PASS
					VH	1.42	.00056	PASS
			HCH	TN	VL	0.73	.00028	PASS
					VN	-1.95	-.00076	PASS
					VH	-0.44	-.00017	PASS
		10	LCH	TN	VL	-0.41	-.00016	PASS
					VN	0.51	.0002	PASS
					VH	-0.01	0	PASS
			MCH	TN	VL	2.56	.00101	PASS
					VN	1.99	.00079	PASS
					VH	-2.49	-.00098	PASS
			HCH	TN	VL	3.95	.00154	PASS
					VN	-2.20	-.00086	PASS
					VH	0.70	.00027	PASS
		15	LCH	TN	VL	1.02	.00041	PASS
					VN	-0.44	-.00018	PASS
					VH	-0.74	-.0003	PASS
			MCH	TN	VL	0.82	.00032	PASS
					VN	1.36	.00054	PASS
					VH	-0.83	-.00033	PASS
			HCH	TN	VL	-0.53	-.00021	PASS
					VN	-0.24	-.00009	PASS
					VH	0.03	.00001	PASS
		20	LCH	TN	VL	0.62	.00025	PASS
					VN	1.20	.00048	PASS
					VH	1.20	.00048	PASS
MCH	TN		VL	-1.86	-.00073	PASS		
			VN	0.77	.0003	PASS		
			VH	2.03	.0008	PASS		
HCH	TN	VL	-0.13	-.00005	PASS			



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	5	LCH	TN	VN	-0.34	-.00013	PASS
					VH	-1.34	-.00052	PASS
					VL	0.00	0	PASS
			MCH	TN	VN	0.04	.00002	PASS
					VH	-0.29	-.00012	PASS
					VL	-2.83	-.00112	PASS
		HCH	TN	VN	0.80	.00032	PASS	
				VH	-0.40	-.00016	PASS	
				VL	1.83	.00071	PASS	
		10	LCH	TN	VN	0.36	.00014	PASS
					VH	-1.89	-.00074	PASS
					VL	1.54	.00061	PASS
			MCH	TN	VN	-0.10	-.00004	PASS
					VH	-4.94	-.00197	PASS
					VL	2.80	.0011	PASS
		HCH	TN	VN	-1.42	-.00056	PASS	
				VH	2.66	.00105	PASS	
				VL	2.10	.00082	PASS	
					VN	4.51	.00176	PASS
					VH	-1.67	-.00065	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	9.87	0.00394	PASS			
					-20	0.87	0.00035	PASS			
					-10	4.81	0.00192	PASS			
					0	3.15	0.00126	PASS			
					10	-3.23	-0.00129	PASS			
					20	1.07	0.00043	PASS			
					30	-1.24	-0.0005	PASS			
					40	0.66	0.00026	PASS			
			MCH	VN	50	2.93	0.00117	PASS			
					-30	-2.63	-0.00104	PASS			
					-20	-2.57	-0.00101	PASS			
					-10	-0.70	-0.00028	PASS			
								0	-1.50	-0.00059	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	-1.50	-0.00059	PASS
					20	-2.27	-0.0009	PASS
					30	-2.19	-0.00086	PASS
					40	-2.88	-0.00114	PASS
					50	-1.79	-0.00071	PASS
			HCH	VN	-30	1.47	0.00057	PASS
					-20	0.50	0.00019	PASS
					-10	0.77	0.0003	PASS
					0	3.43	0.00134	PASS
					10	-2.37	-0.00092	PASS
					20	0.82	0.00032	PASS
					30	-0.69	-0.00027	PASS
					40	1.47	0.00057	PASS
					50	0.60	0.00023	PASS
					LCH	VN	-30	-1.86
			-20	-1.24			-0.0005	PASS
			-10	-1.47			-0.00059	PASS
			0	-4.29			-0.00171	PASS
			10	-2.80			-0.00112	PASS
			20	-3.76			-0.0015	PASS
		30	-4.13	-0.00165			PASS	
		40	-3.23	-0.00129			PASS	
		50	-3.00	-0.0012			PASS	
		MCH	VN	-30			-2.79	-0.0011
				-20	-3.50	-0.00138	PASS	
				-10	-2.36	-0.00093	PASS	
				0	-0.92	-0.00036	PASS	
				10	-1.49	-0.00059	PASS	
				20	-0.62	-0.00024	PASS	
				30	-2.98	-0.00118	PASS	
				40	-3.83	-0.00151	PASS	
		HCH	VN	50	-2.15	-0.00085	PASS	
				-30	-4.56	-0.00178	PASS	
				-20	-2.29	-0.00089	PASS	
				-10	-2.68	-0.00104	PASS	
				0	-2.07	-0.00081	PASS	
				10	-3.68	-0.00143	PASS	
				20	-4.52	-0.00176	PASS	
		30	-1.00	-0.00039	PASS			
				10			-30	-1.86
-20	-1.24						-0.0005	PASS
-10	-1.47						-0.00059	PASS
0	-4.29						-0.00171	PASS
10	-2.80						-0.00112	PASS
20	-3.76						-0.0015	PASS
30	-4.13						-0.00165	PASS
40	-3.23						-0.00129	PASS
50	-3.00						-0.0012	PASS
-30	-2.79						-0.0011	PASS
-20	-3.50	-0.00138	PASS					
-10	-2.36	-0.00093	PASS					
0	-0.92	-0.00036	PASS					
10	-1.49	-0.00059	PASS					
20	-0.62	-0.00024	PASS					
30	-2.98	-0.00118	PASS					
40	-3.83	-0.00151	PASS					
50	-2.15	-0.00085	PASS					
-30	-4.56	-0.00178	PASS					
-20	-2.29	-0.00089	PASS					
-10	-2.68	-0.00104	PASS					
0	-2.07	-0.00081	PASS					
10	-3.68	-0.00143	PASS					
20	-4.52	-0.00176	PASS					
30	-1.00	-0.00039	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	-2.59	-0.00101	PASS
					50	-4.61	-0.0018	PASS
		15	LCH	VN	-30	4.51	0.0018	PASS
					-20	4.36	0.00174	PASS
					-10	6.92	0.00276	PASS
					0	4.26	0.0017	PASS
					10	2.66	0.00106	PASS
					20	4.28	0.00171	PASS
					30	4.06	0.00162	PASS
					40	4.29	0.00171	PASS
					50	3.73	0.00149	PASS
			MCH	VN	-30	-3.59	-0.00142	PASS
					-20	-1.60	-0.00063	PASS
					-10	-3.09	-0.00122	PASS
					0	-3.72	-0.00147	PASS
					10	-3.15	-0.00124	PASS
					20	-4.22	-0.00166	PASS
					30	-3.50	-0.00138	PASS
					40	-1.79	-0.00071	PASS
					50	-4.33	-0.00171	PASS
		HCH	VN	-30	2.95	0.00115	PASS	
				-20	1.75	0.00068	PASS	
				-10	1.00	0.00039	PASS	
				0	2.50	0.00098	PASS	
				10	0.43	0.00017	PASS	
				20	3.23	0.00126	PASS	
				30	1.30	0.00051	PASS	
				40	2.26	0.00088	PASS	
				50	0.76	0.0003	PASS	
		20	LCH	VN	-30	-0.41	-0.00016	PASS
					-20	-0.77	-0.00031	PASS
					-10	1.20	0.00048	PASS
					0	3.13	0.00125	PASS
					10	4.51	0.0018	PASS
					20	0.07	0.00003	PASS
					30	0.62	0.00025	PASS
					40	-0.27	-0.00011	PASS
					50	1.40	0.00056	PASS
			MCH	VN	-30	-3.76	-0.00148	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
					-20	-2.05	-0.00081	PASS			
					-10	-3.22	-0.00127	PASS			
					0	-2.69	-0.00106	PASS			
					10	-3.36	-0.00133	PASS			
					20	-0.97	-0.00038	PASS			
					30	-3.18	-0.00125	PASS			
					40	-3.45	-0.00136	PASS			
					50	-4.52	-0.00178	PASS			
			HCH	VN	-30	-0.47	-0.00018	PASS			
					-20	-0.21	-0.00008	PASS			
					-10	0.13	0.00005	PASS			
					0	-0.57	-0.00022	PASS			
					10	-3.00	-0.00117	PASS			
					20	-0.80	-0.00031	PASS			
					30	-0.51	-0.0002	PASS			
					40	-0.90	-0.00035	PASS			
								-30	-4.95	-0.00198	PASS
								-20	-3.59	-0.00143	PASS
								-10	-0.57	-0.00023	PASS
								0	-11.62	-0.00464	PASS
	10	-5.54						-0.00221	PASS		
	20	-0.87						-0.00035	PASS		
	30	-0.74						-0.0003	PASS		
	40	-1.67						-0.00067	PASS		
						-30	-3.22	-0.00127	PASS		
						-20	-3.22	-0.00127	PASS		
						-10	-3.62	-0.00143	PASS		
						0	-3.71	-0.00146	PASS		
						10	-3.82	-0.00151	PASS		
						20	-2.98	-0.00118	PASS		
						30	-0.33	-0.00013	PASS		
						40	-2.99	-0.00118	PASS		
				HCH	VN	-30	-0.17	-0.00007	PASS		
						-20	-3.19	-0.00124	PASS		
						-10	4.03	0.00157	PASS		
						0	0.10	0.00004	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					10	0.34	0.00013	PASS
					20	-2.78	-0.00108	PASS
					30	-2.50	-0.00097	PASS
					40	-1.95	-0.00076	PASS
					50	-3.13	-0.00122	PASS
		10	LCH	VN	-30	-3.53	-0.00141	PASS
					-20	-2.07	-0.00083	PASS
					-10	-2.69	-0.00107	PASS
					0	-2.25	-0.0009	PASS
					10	-3.60	-0.00144	PASS
					20	-2.17	-0.00087	PASS
					30	-5.78	-0.00231	PASS
					40	-3.63	-0.00145	PASS
					50	-3.98	-0.00159	PASS
					MCH	VN	-30	-1.86
			-20	-2.57			-0.00101	PASS
			-10	-1.87			-0.00074	PASS
			0	-5.62			-0.00222	PASS
			10	-2.33			-0.00092	PASS
			20	-3.98			-0.00157	PASS
			30	-5.51			-0.00217	PASS
			40	-1.46			-0.00058	PASS
			50	-2.73			-0.00108	PASS
			HCH	VN			-30	-3.13
					-20	-1.53	-0.0006	PASS
		-10			-3.56	-0.00139	PASS	
		0			-1.04	-0.00041	PASS	
		10			-1.92	-0.00075	PASS	
		20			-1.36	-0.00053	PASS	
		30			-0.40	-0.00016	PASS	
		40			-2.78	-0.00108	PASS	
		15	LCH	VN	-30	2.76	0.0011	PASS
					-20	3.28	0.00131	PASS
-10	3.82				0.00152	PASS		
0	4.26				0.0017	PASS		
10	3.68				0.00147	PASS		
20	3.02				0.0012	PASS		
30	4.76				0.0019	PASS		



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					40	4.15	0.00166	PASS
					50	4.01	0.0016	PASS
			MCH	VN	-30	-3.83	-0.00151	PASS
					-20	-2.36	-0.00093	PASS
					-10	-1.59	-0.00063	PASS
					0	-2.30	-0.00091	PASS
					10	-3.03	-0.0012	PASS
					20	-2.47	-0.00097	PASS
					30	-3.32	-0.00131	PASS
					40	-3.46	-0.00136	PASS
			50	-1.29	-0.00051	PASS		
			HCH	VN	-30	0.07	0.00003	PASS
					-20	2.72	0.00106	PASS
					-10	2.27	0.00089	PASS
					0	1.44	0.00056	PASS
					10	4.81	0.00188	PASS
					20	4.02	0.00157	PASS
					30	3.00	0.00117	PASS
					40	3.81	0.00149	PASS
			20	LCH	VN	-30	3.91	0.00156
		-20				3.40	0.00135	PASS
		-10				3.39	0.00135	PASS
		0				2.59	0.00103	PASS
		10				3.60	0.00143	PASS
		20				2.78	0.00111	PASS
		30				1.82	0.00073	PASS
		40				1.46	0.00058	PASS
		50				1.96	0.00078	PASS
		MCH				VN	-30	-2.25
				-20	-3.48		-0.00137	PASS
				-10	-2.33		-0.00092	PASS
				0	-4.51		-0.00178	PASS
				10	-5.91		-0.00233	PASS
				20	-2.75		-0.00108	PASS
				30	-3.26		-0.00129	PASS
				40	-3.46		-0.00136	PASS
				50	-5.18		-0.00204	PASS
				HCH	VN		-30	1.59