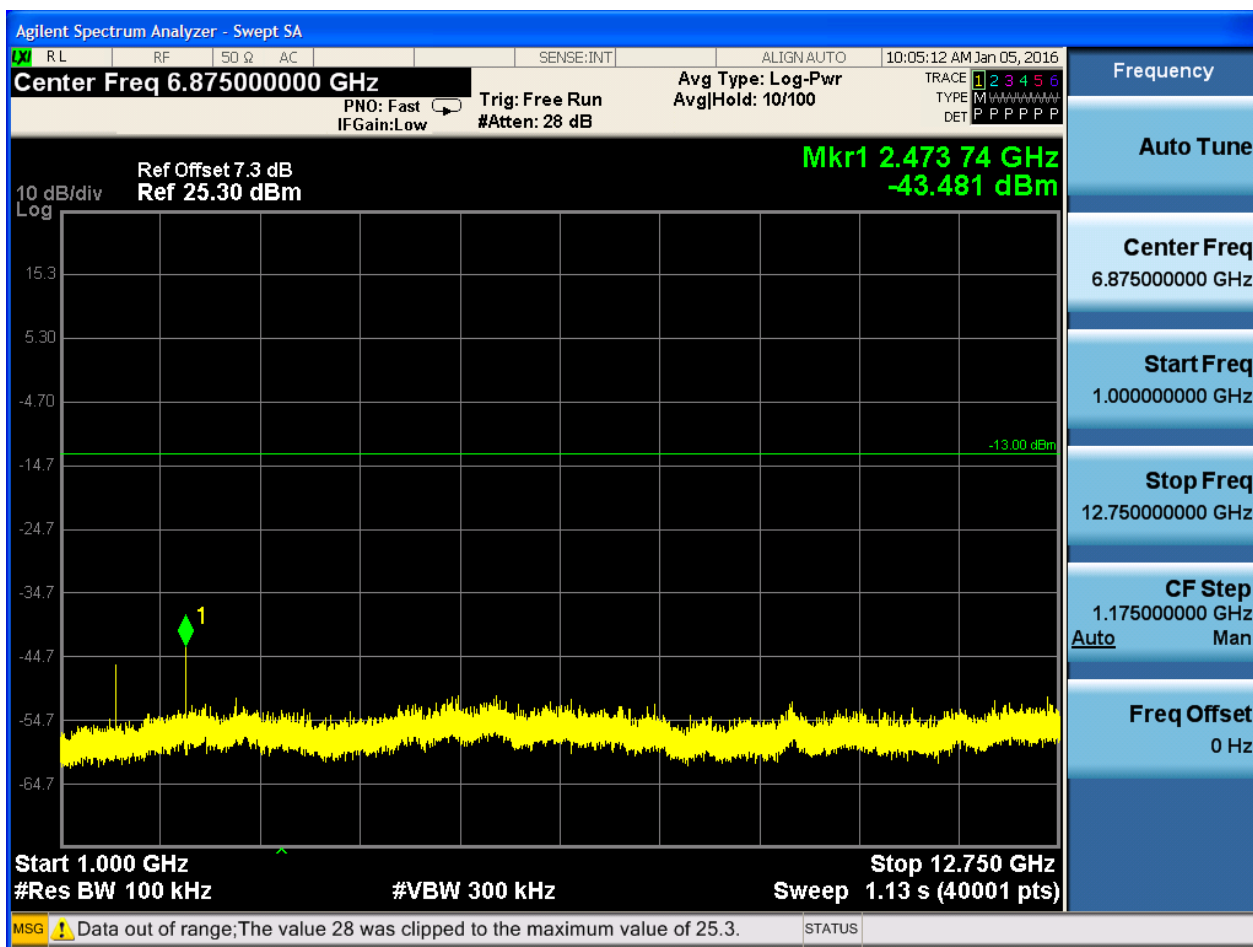
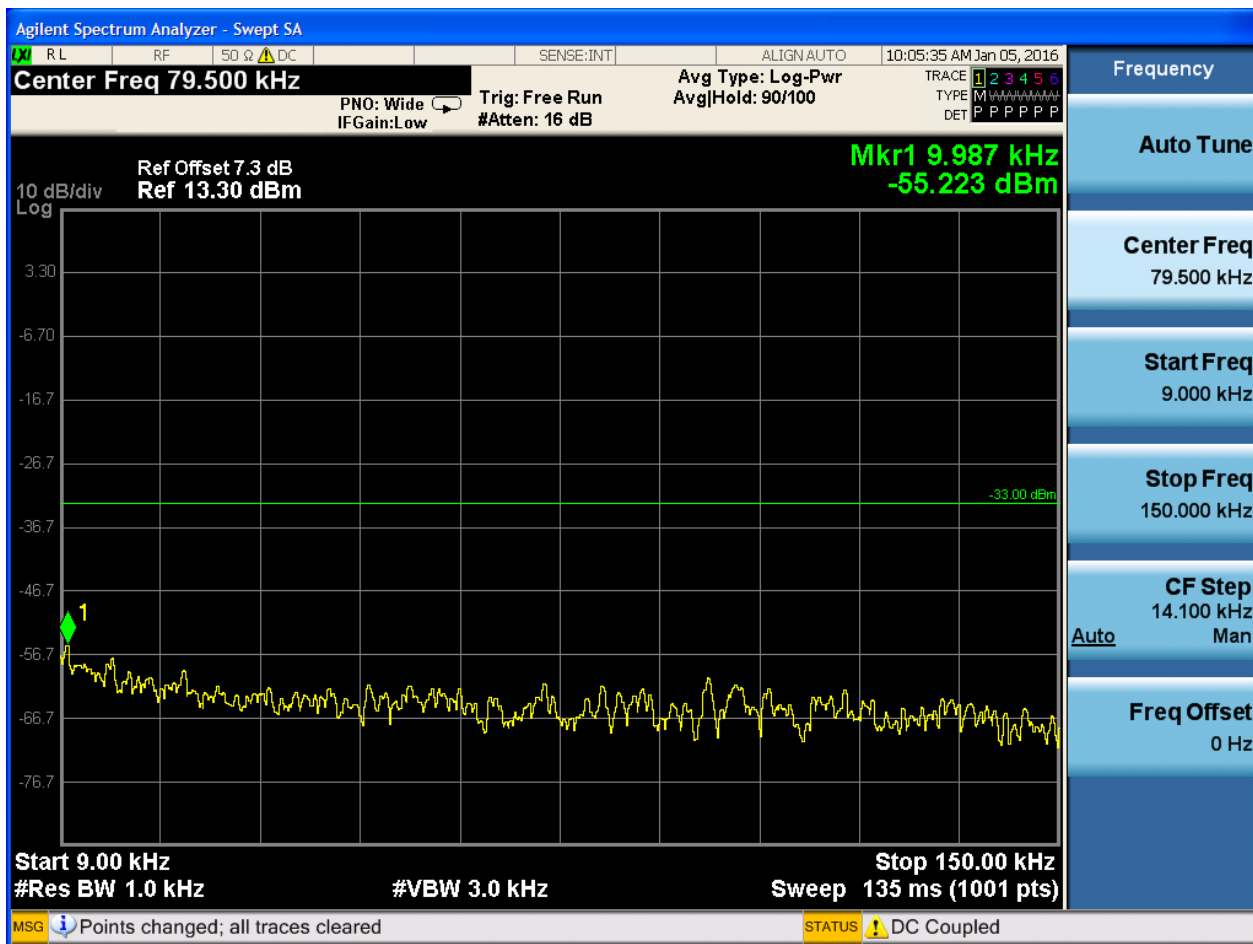




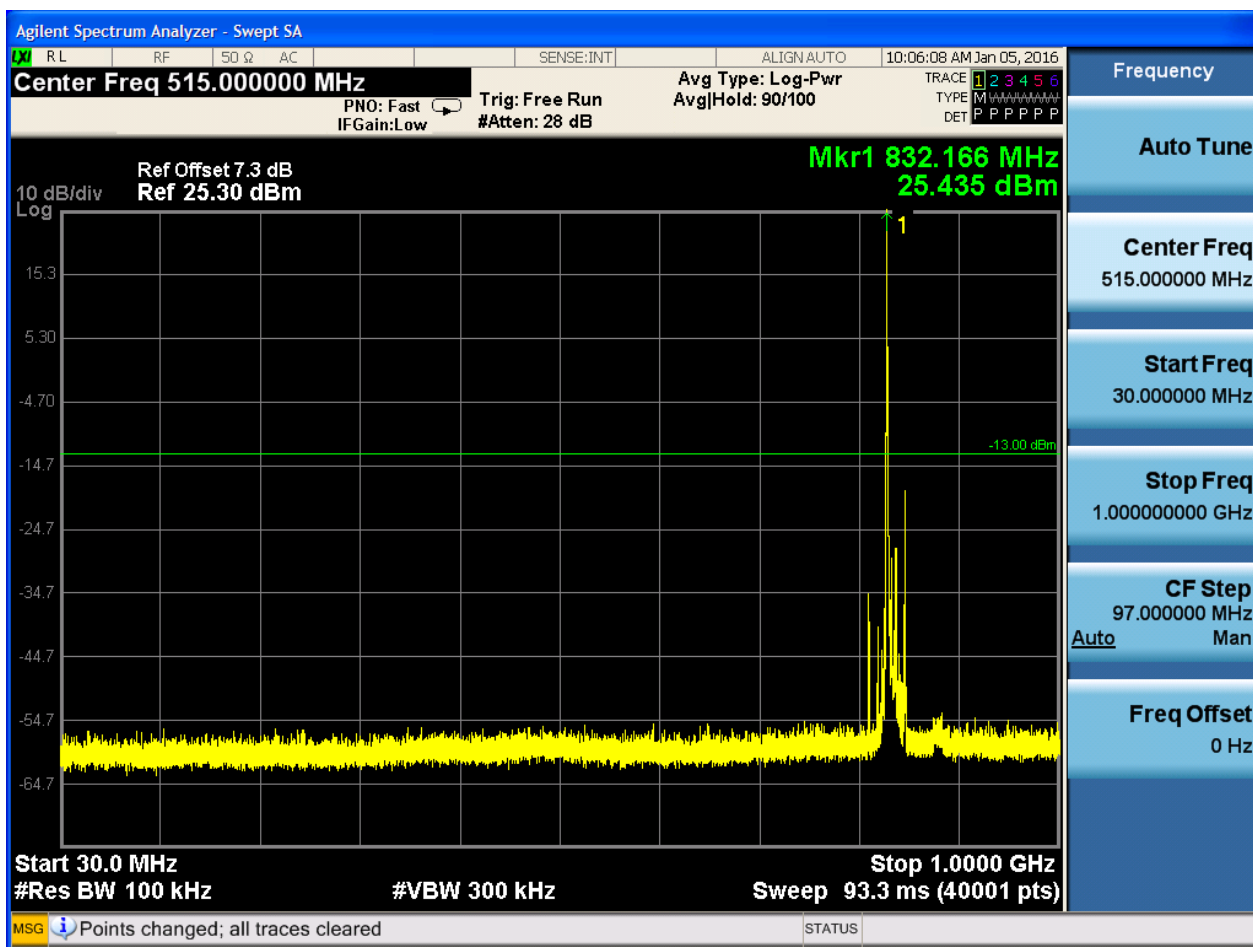


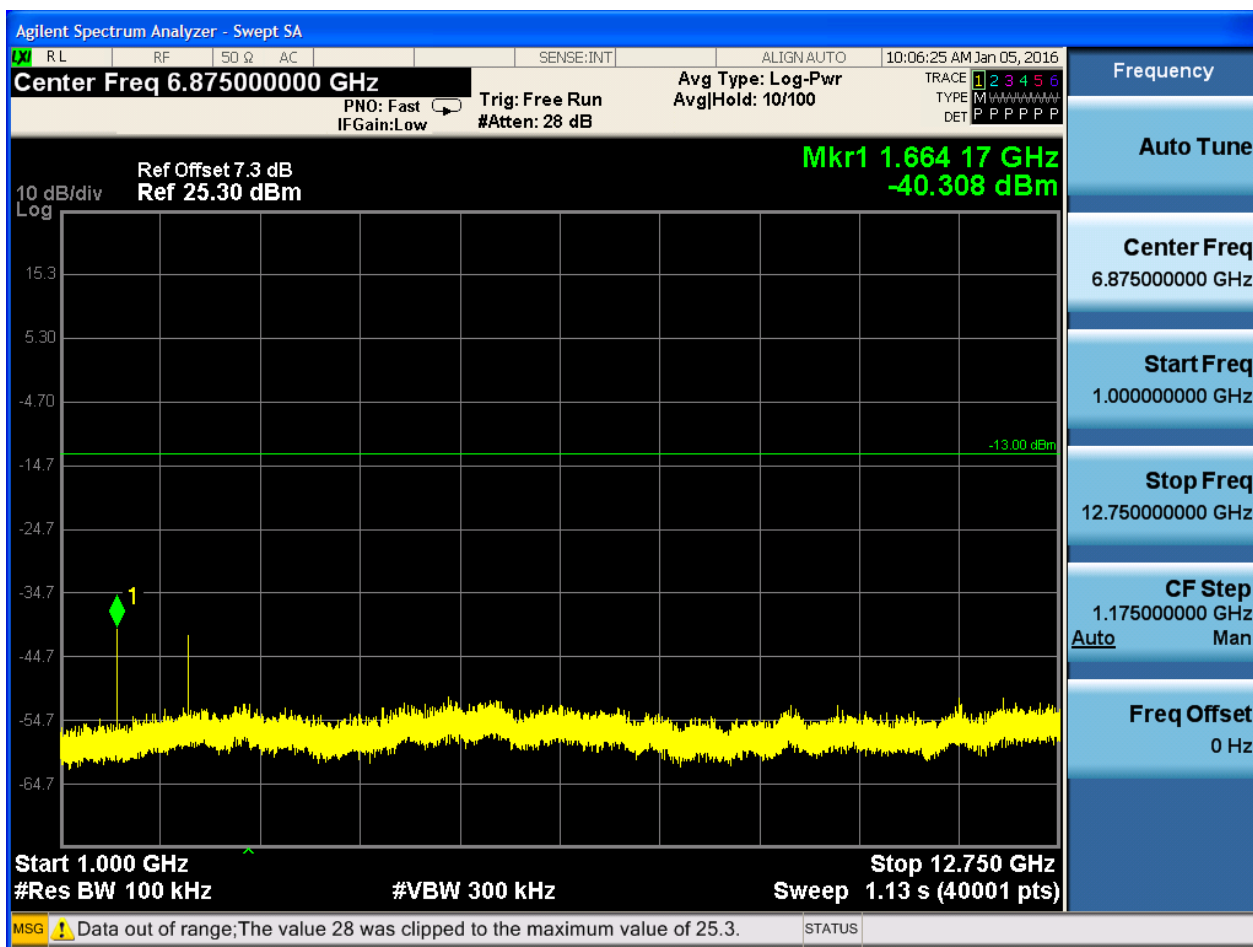
6.1.3.2.2 Test Channel = MCH

6.1.3.2.2.1 Test RB = RB1#0





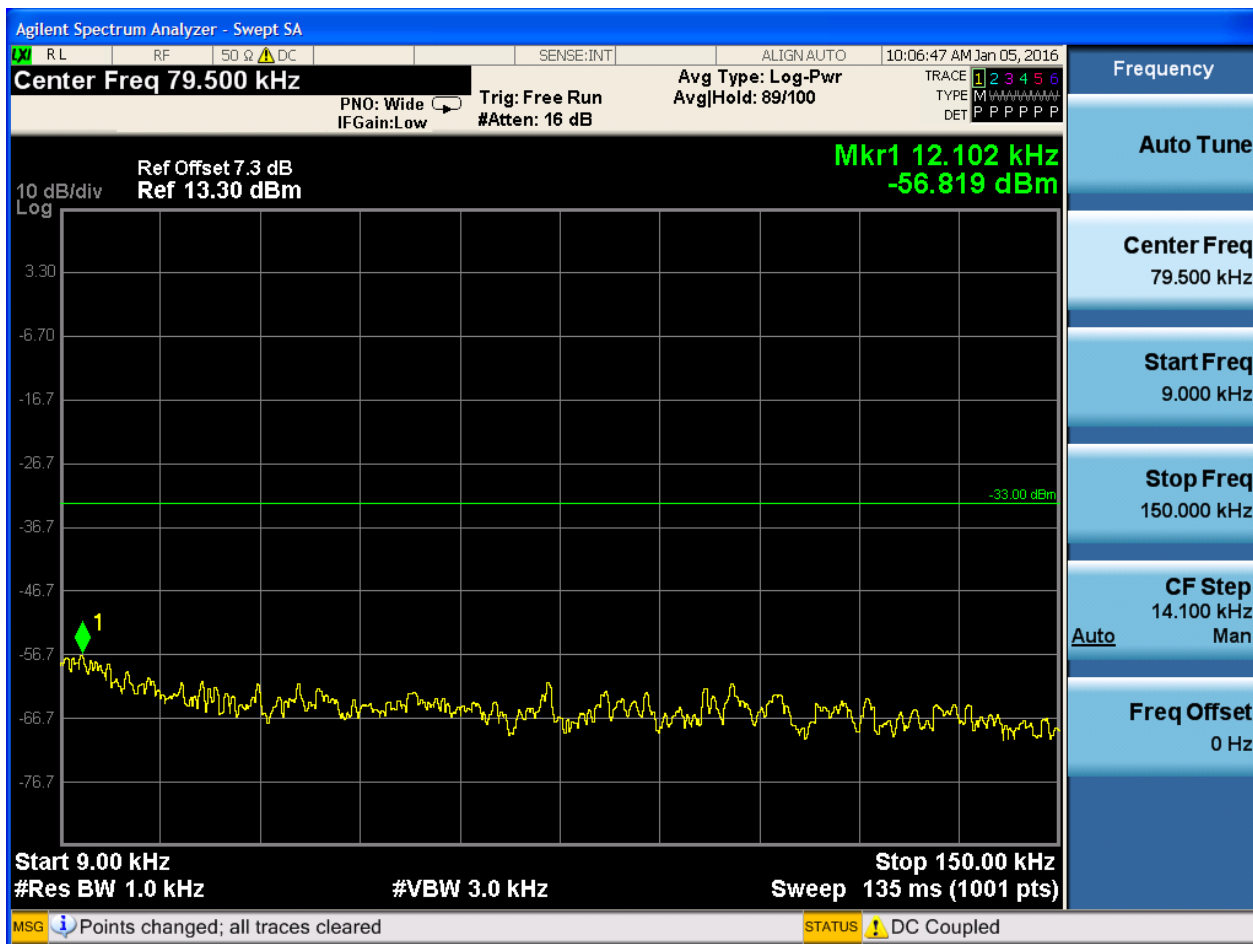


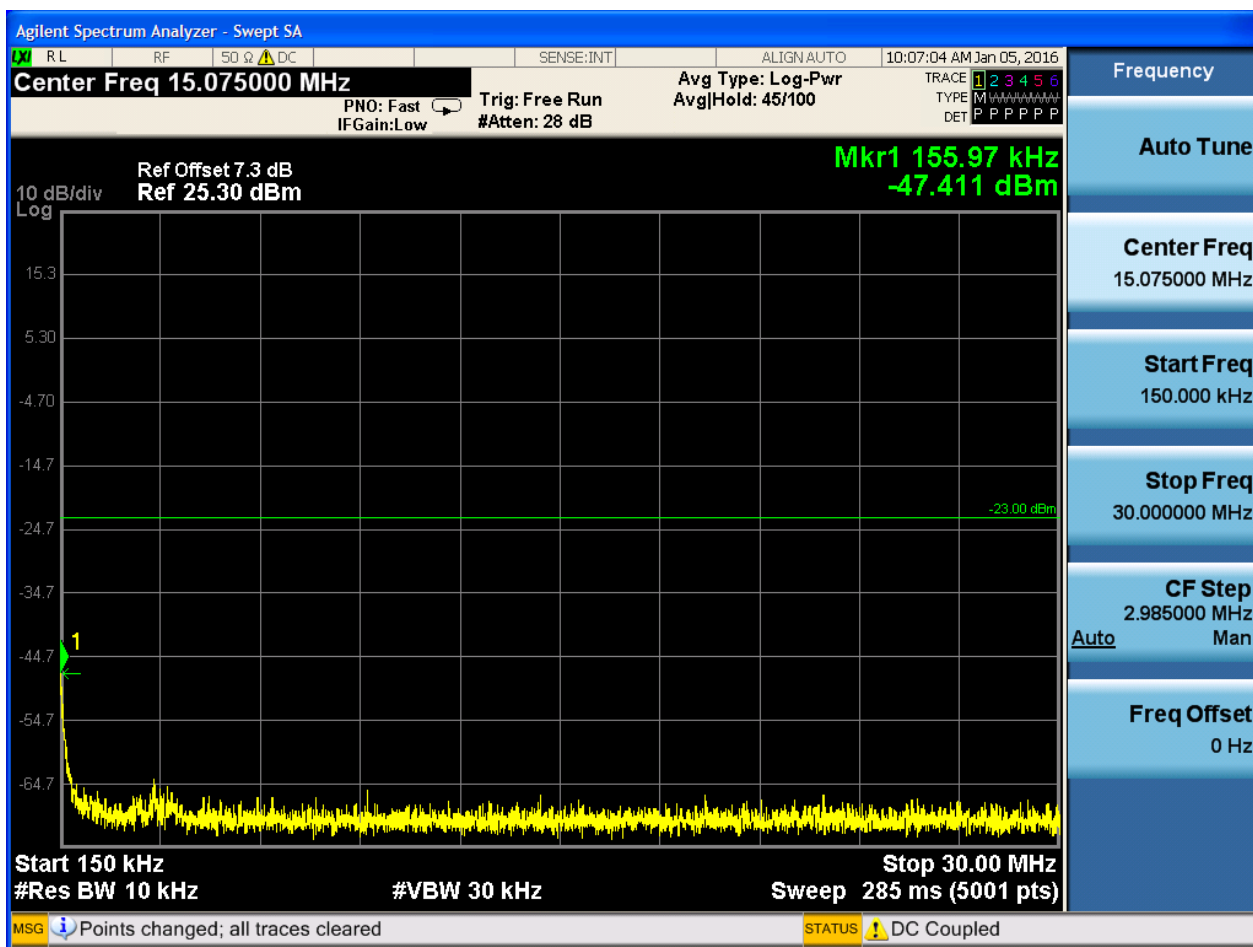


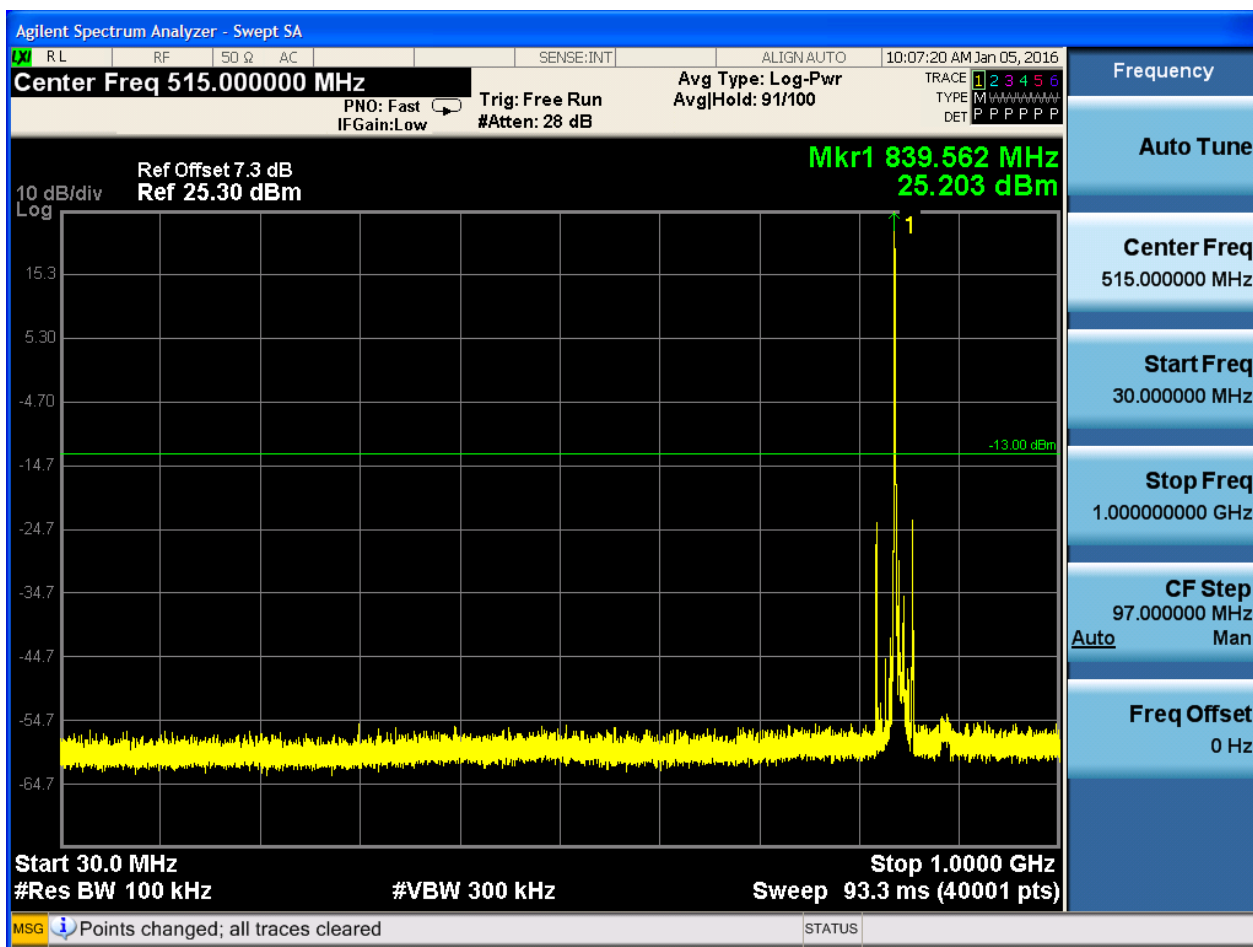


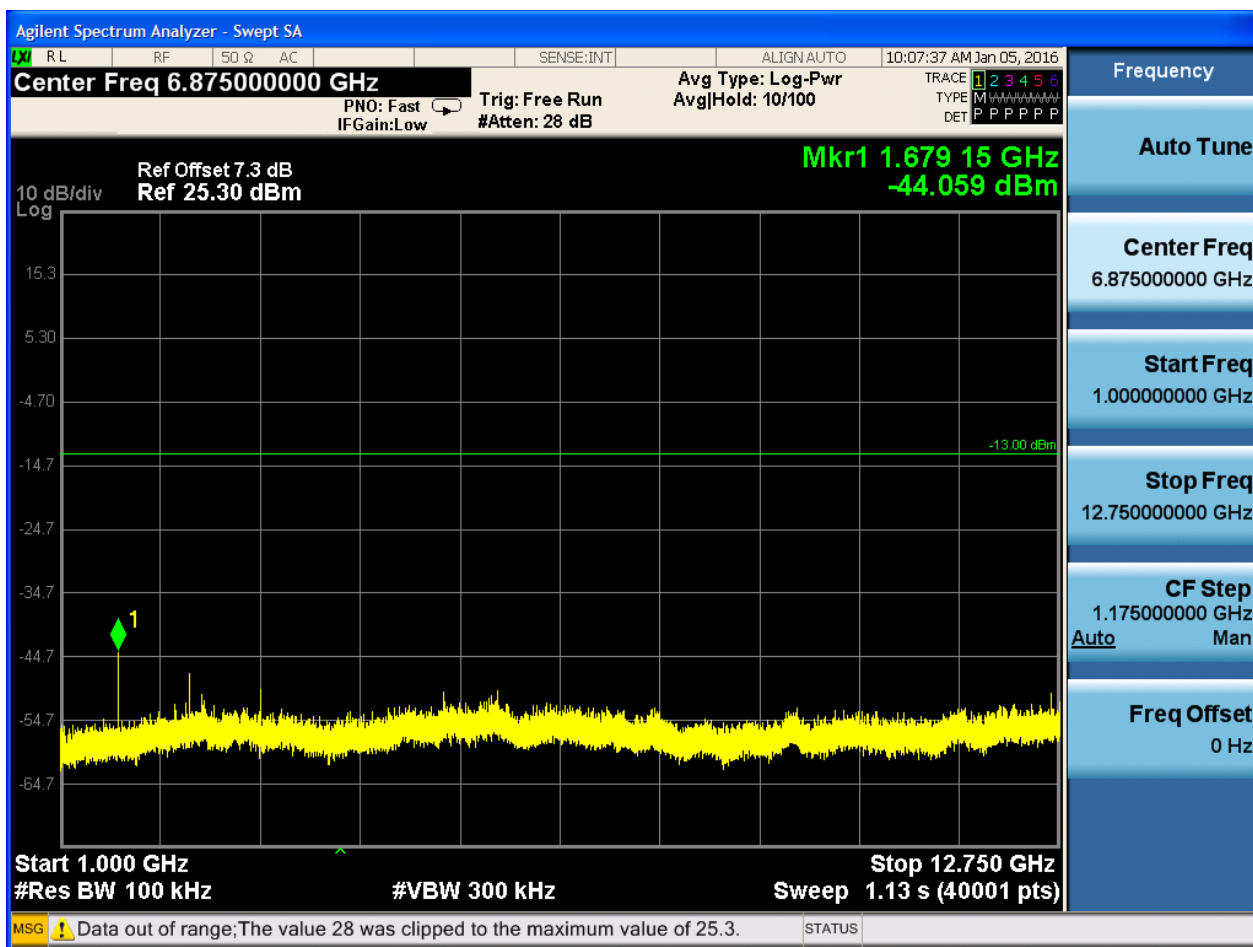
6.1.3.2.2.3 Test Channel = HCH

6.1.3.2.2.3.1 Test RB = RB1#0











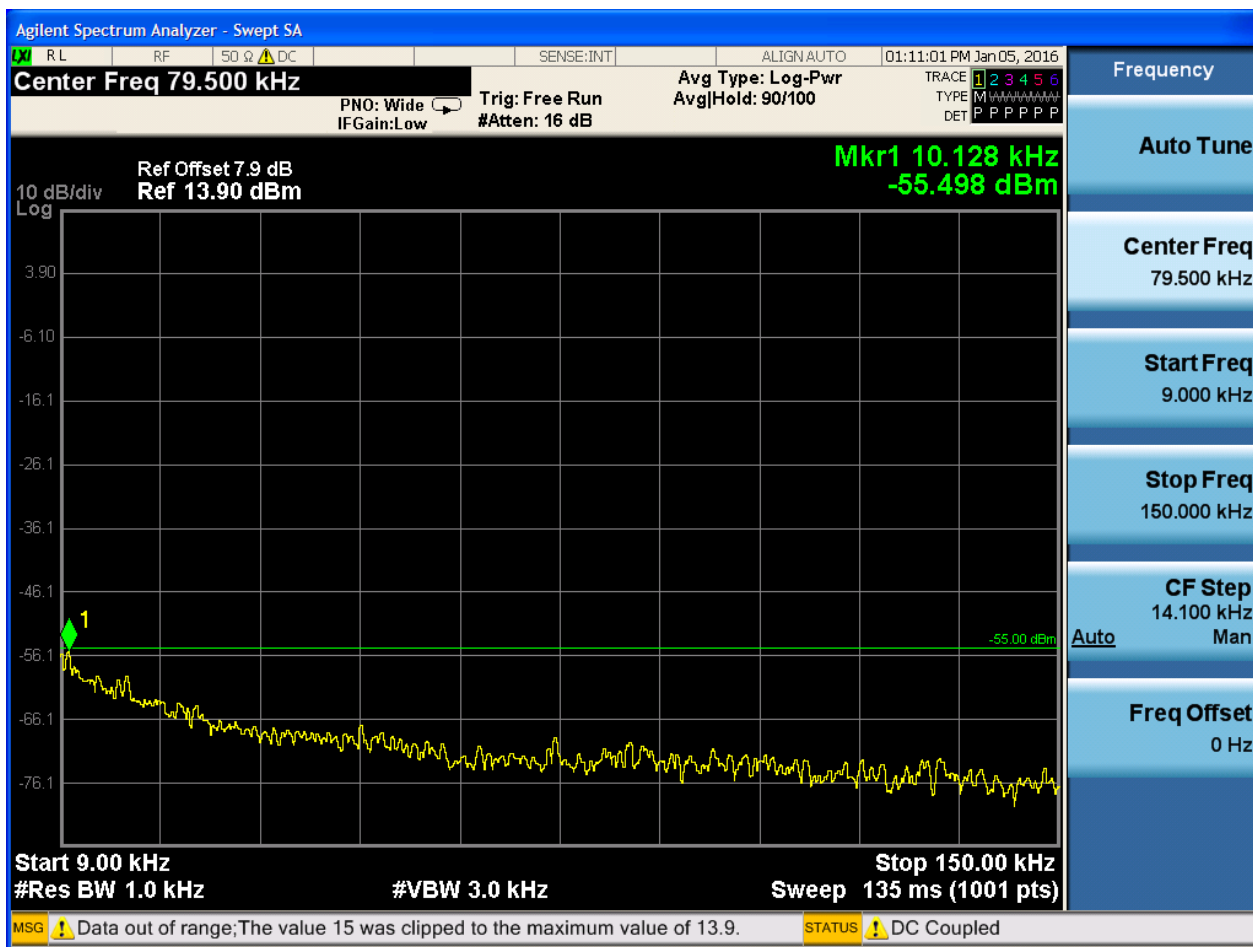
6.1.5 Test Band = BAND7

6.1.5.1 Test Mode = LTE/TM1

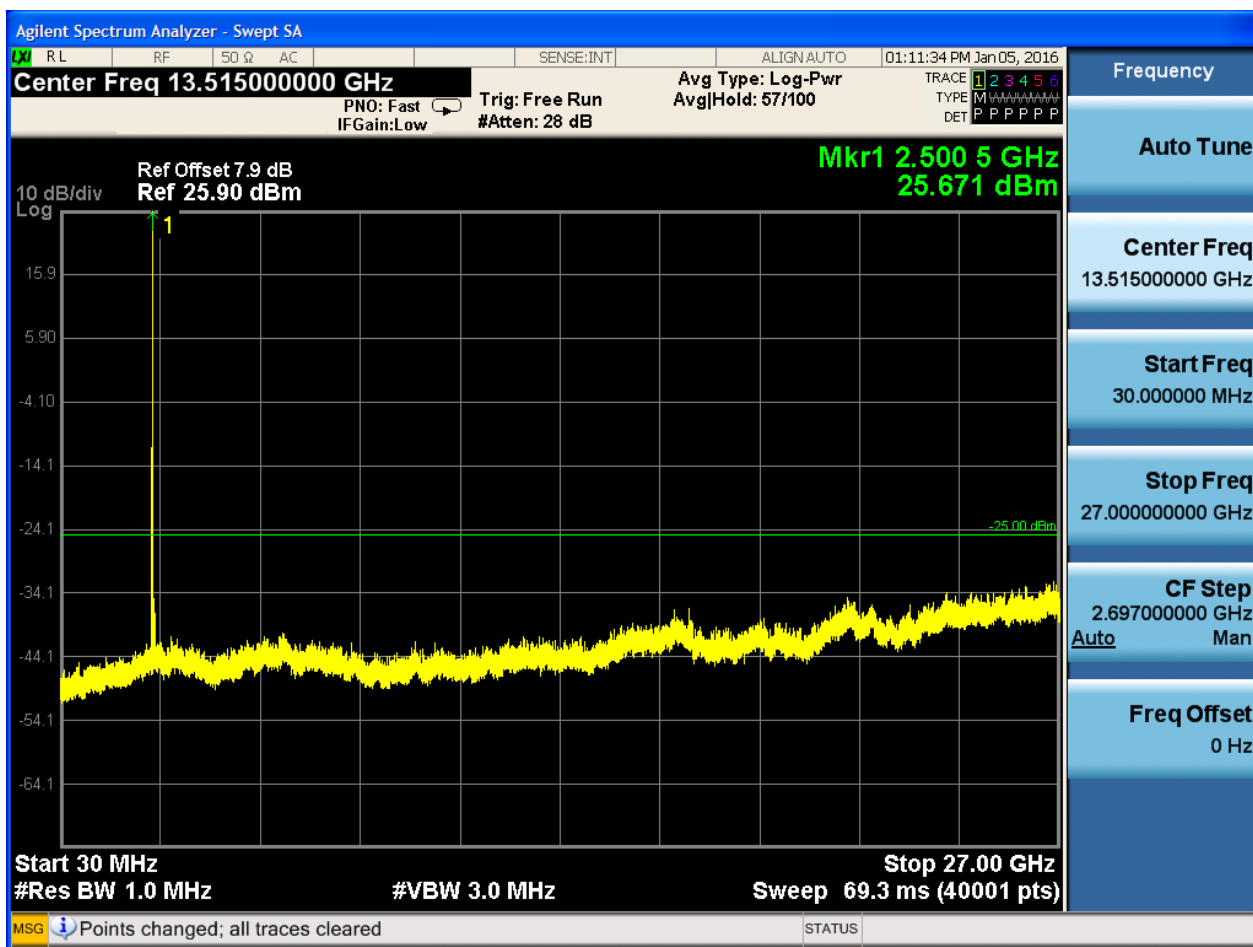
6.1.5.1.1 Test Bandwidth = 5

6.1.5.1.1.1 Test Channel = LCH

6.1.5.1.1.1.1 Test RB = RB1#0



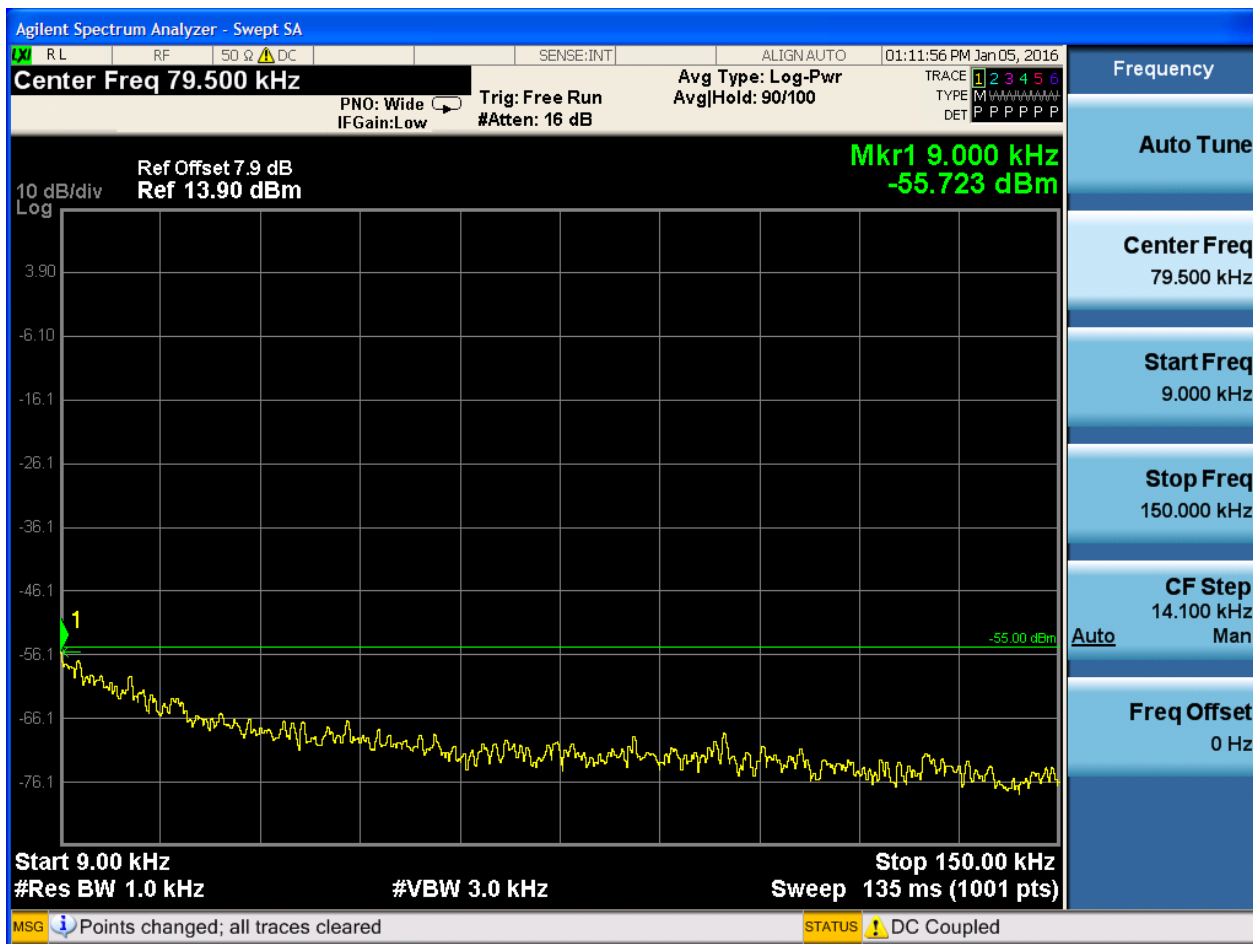


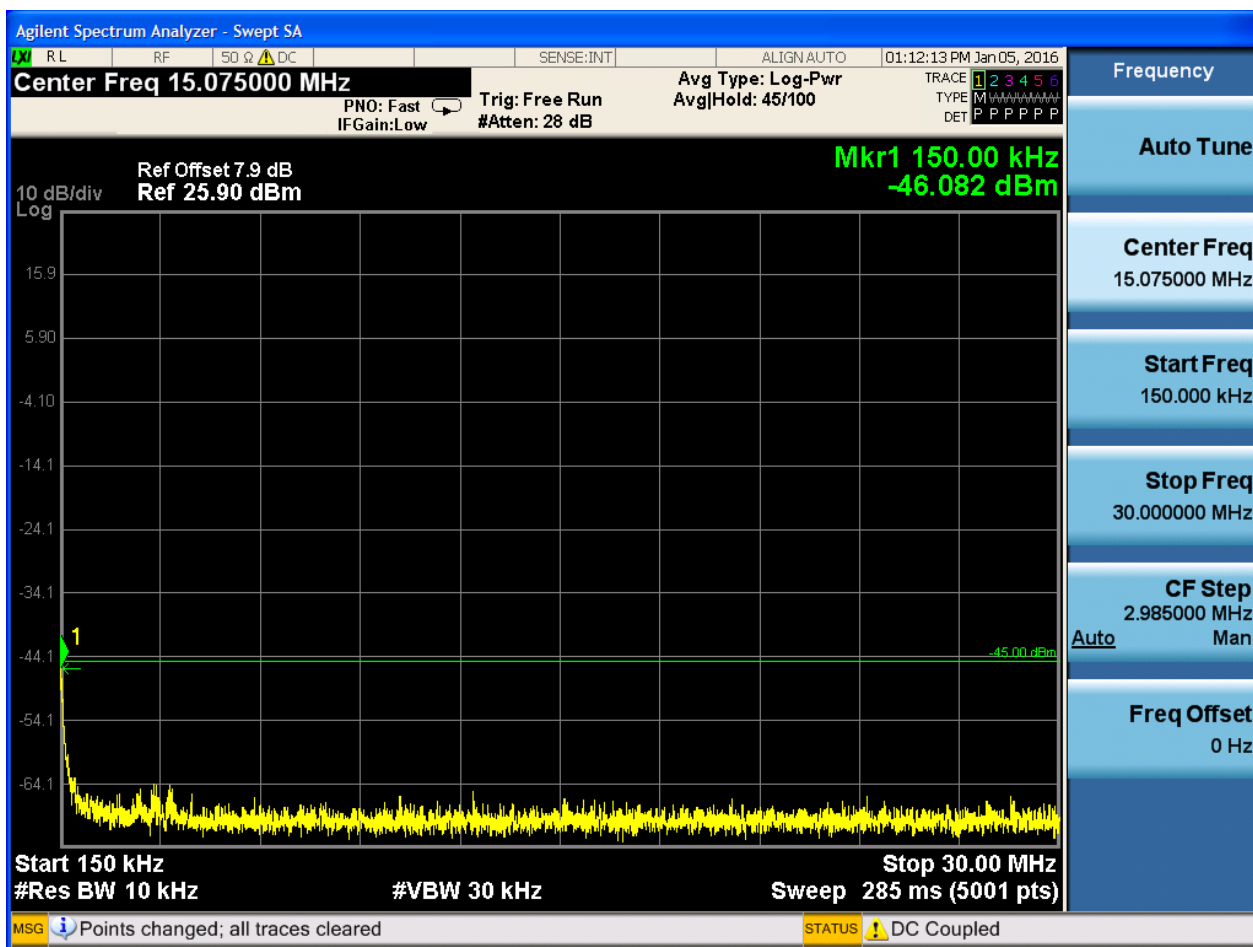


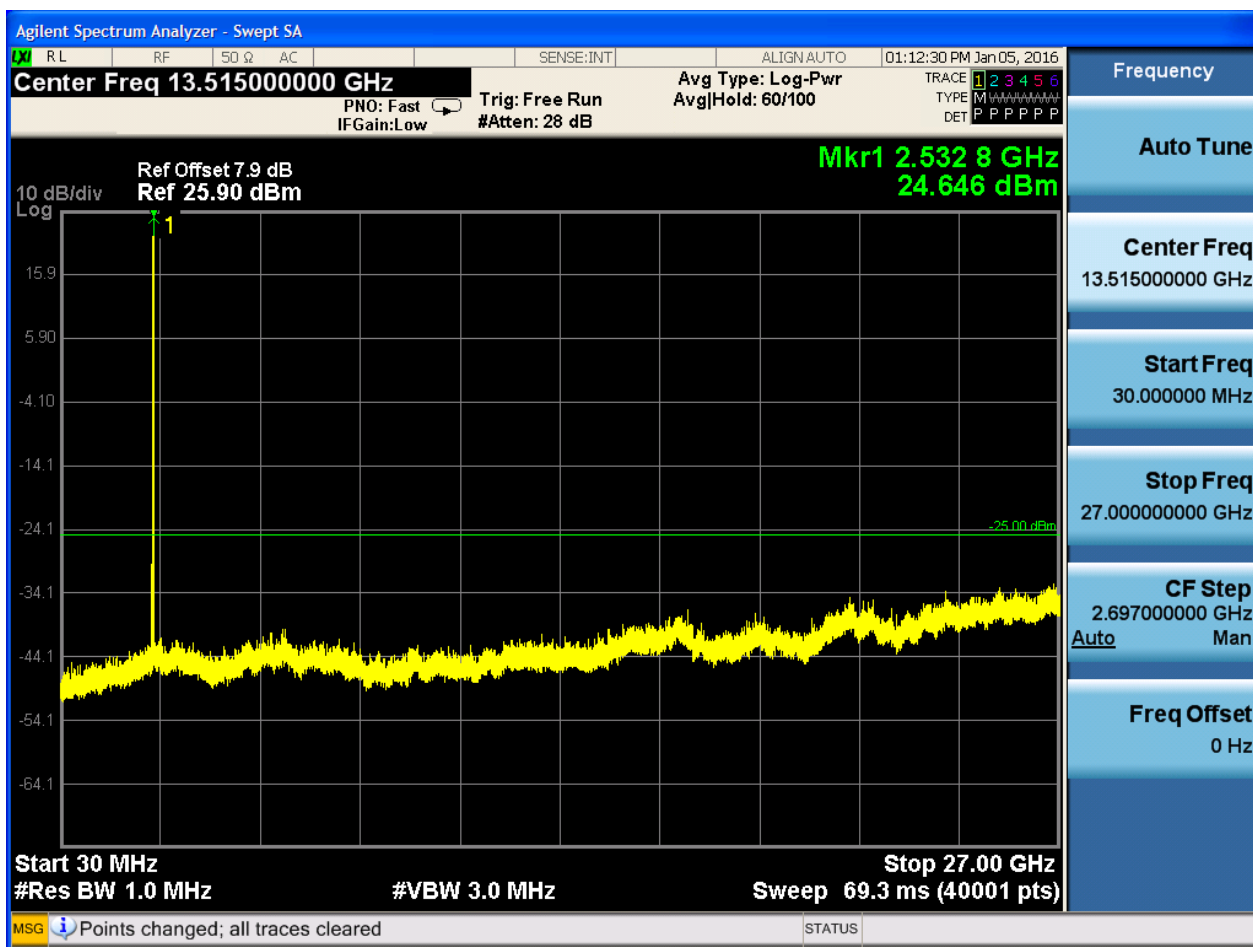


6.1.5.1.1.2 Test Channel = MCH

6.1.5.1.1.2.1 Test RB = RB1#0



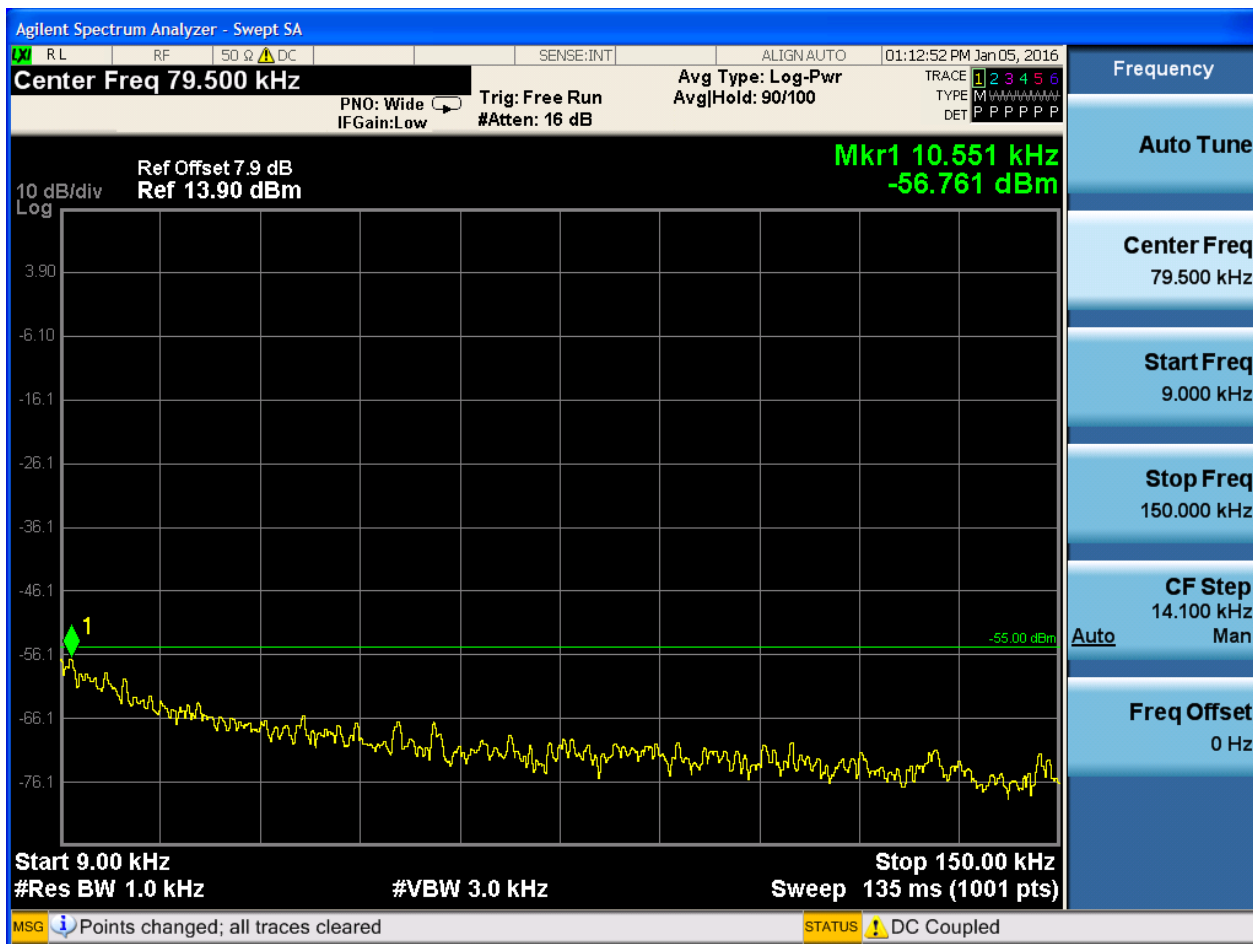


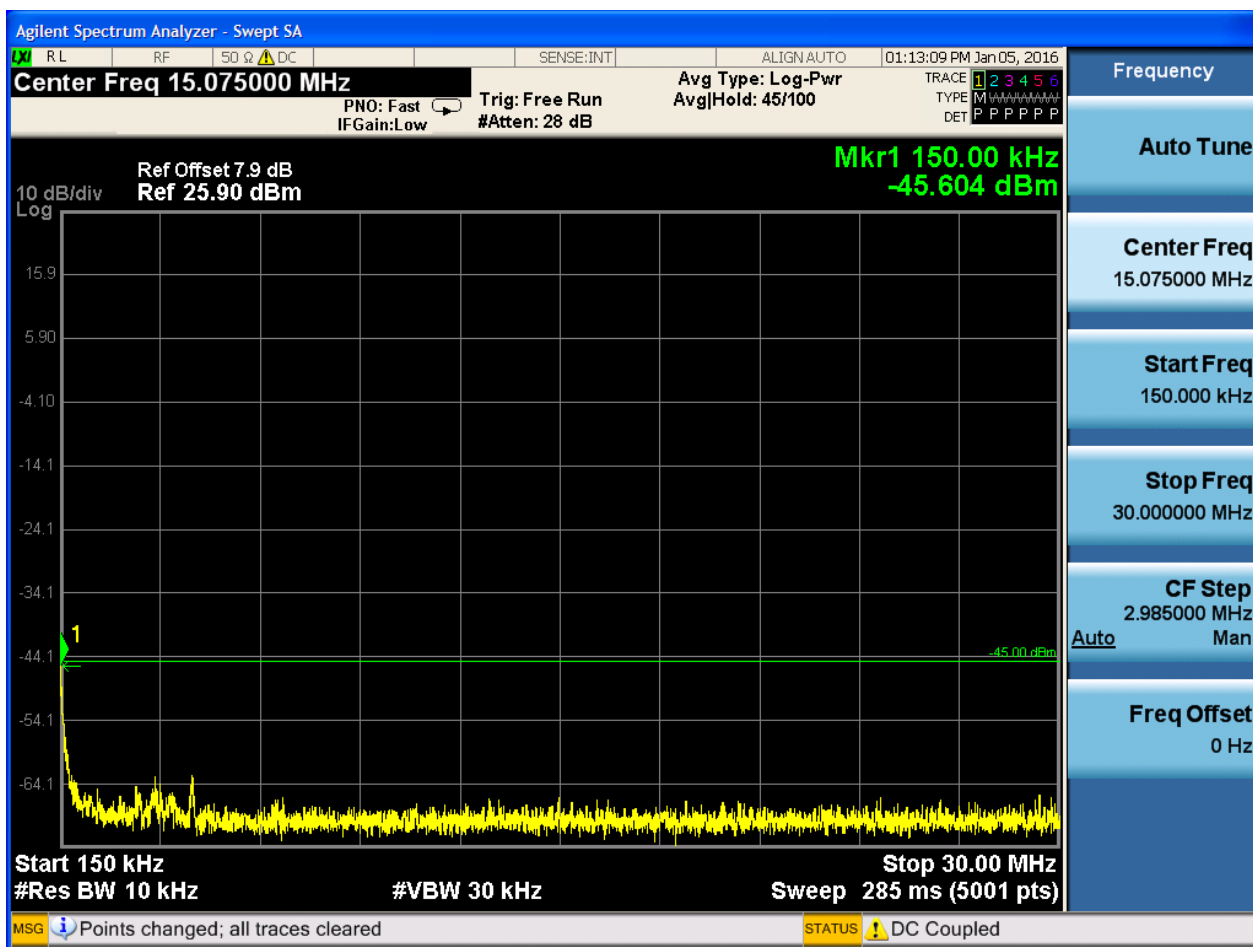


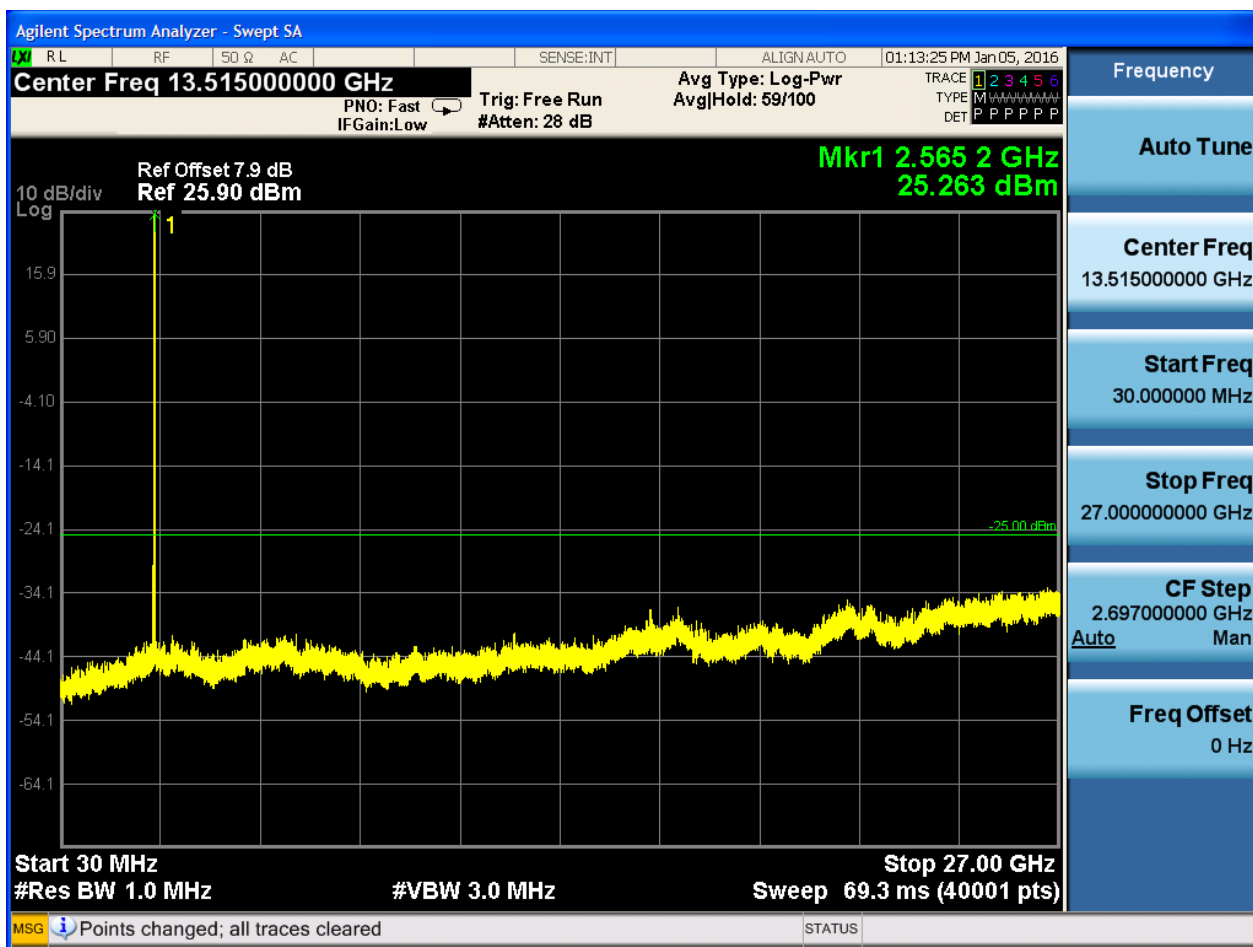


6.1.5.1.1.3 Test Channel = HCH

6.1.5.1.1.3.1 Test RB = RB1#0





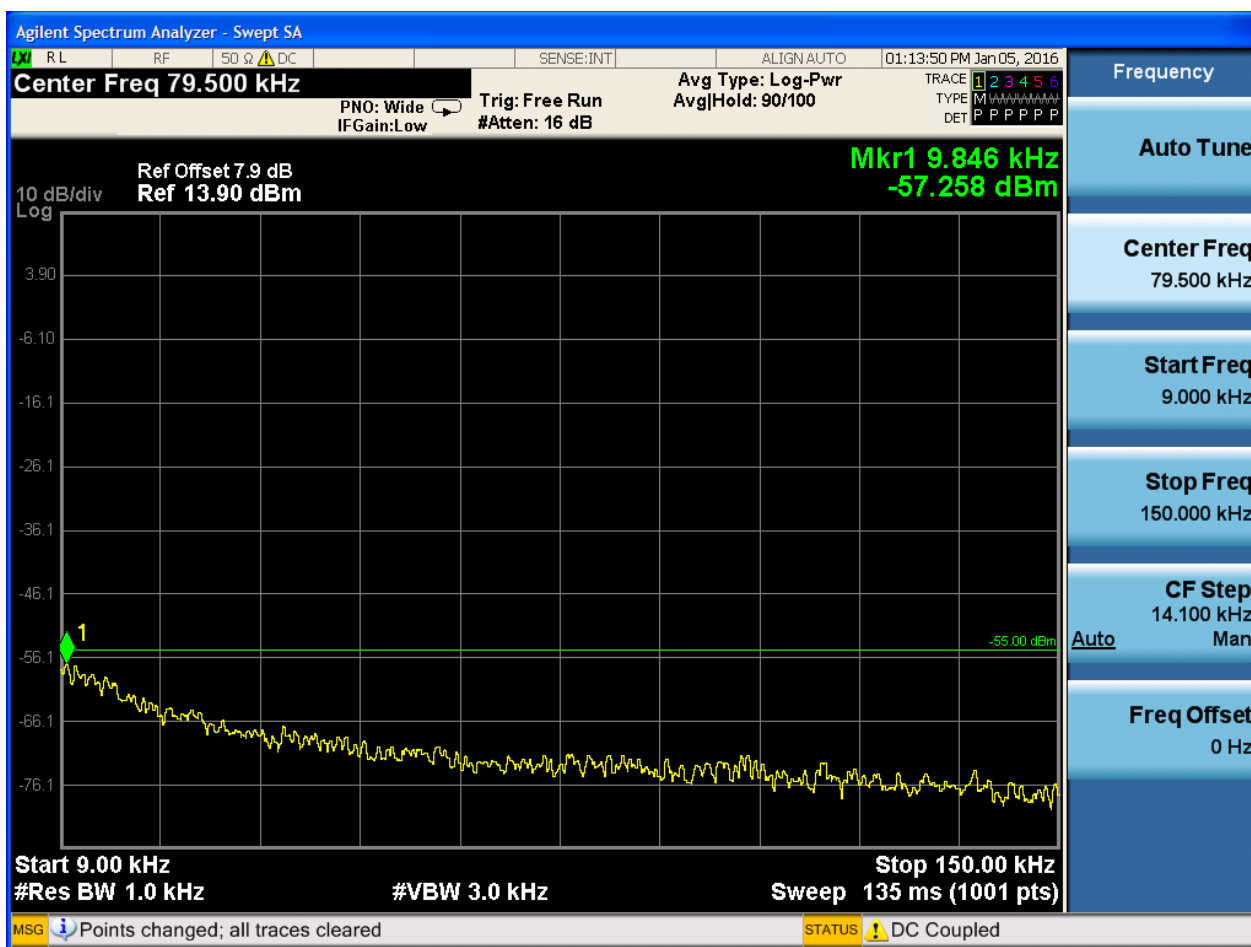


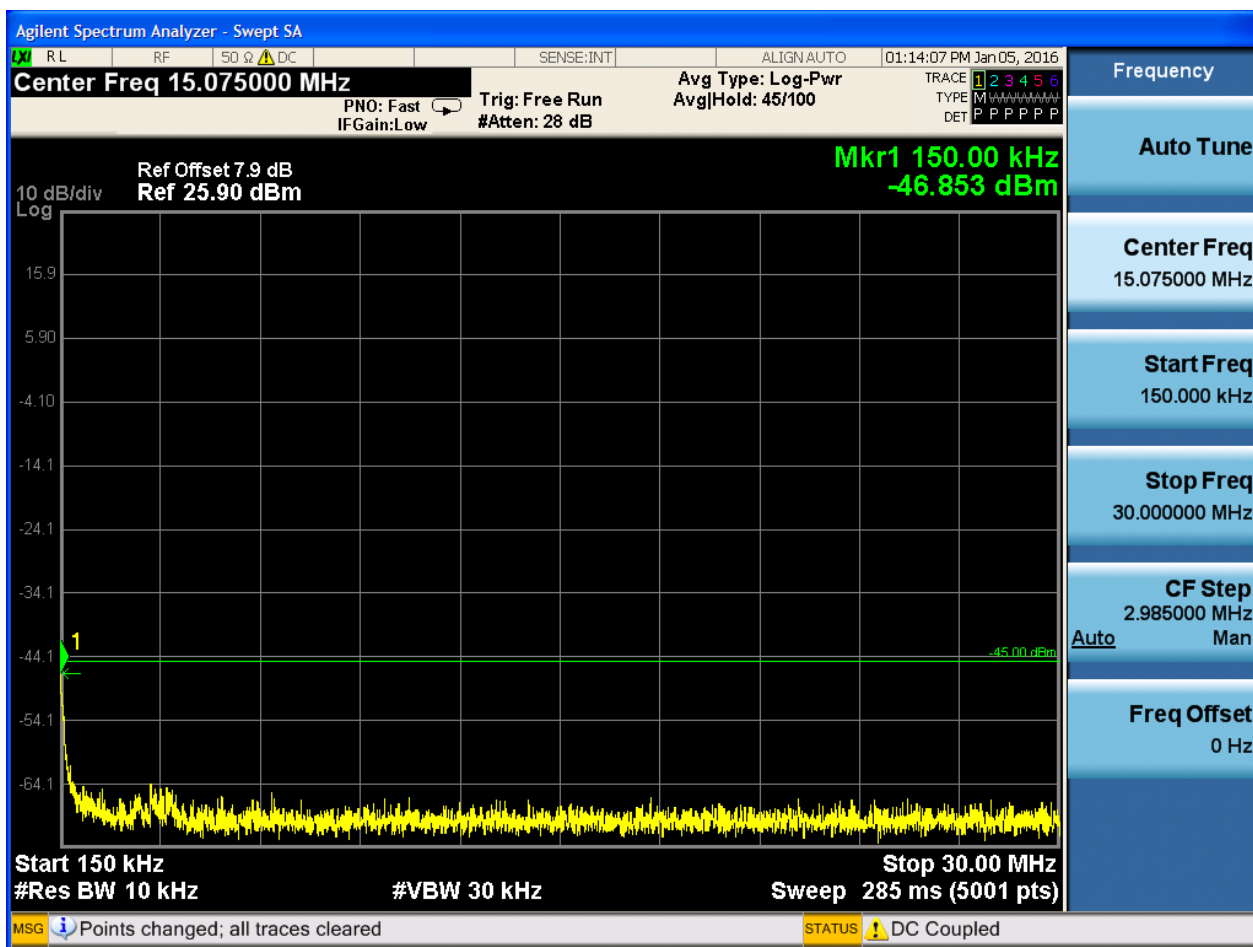


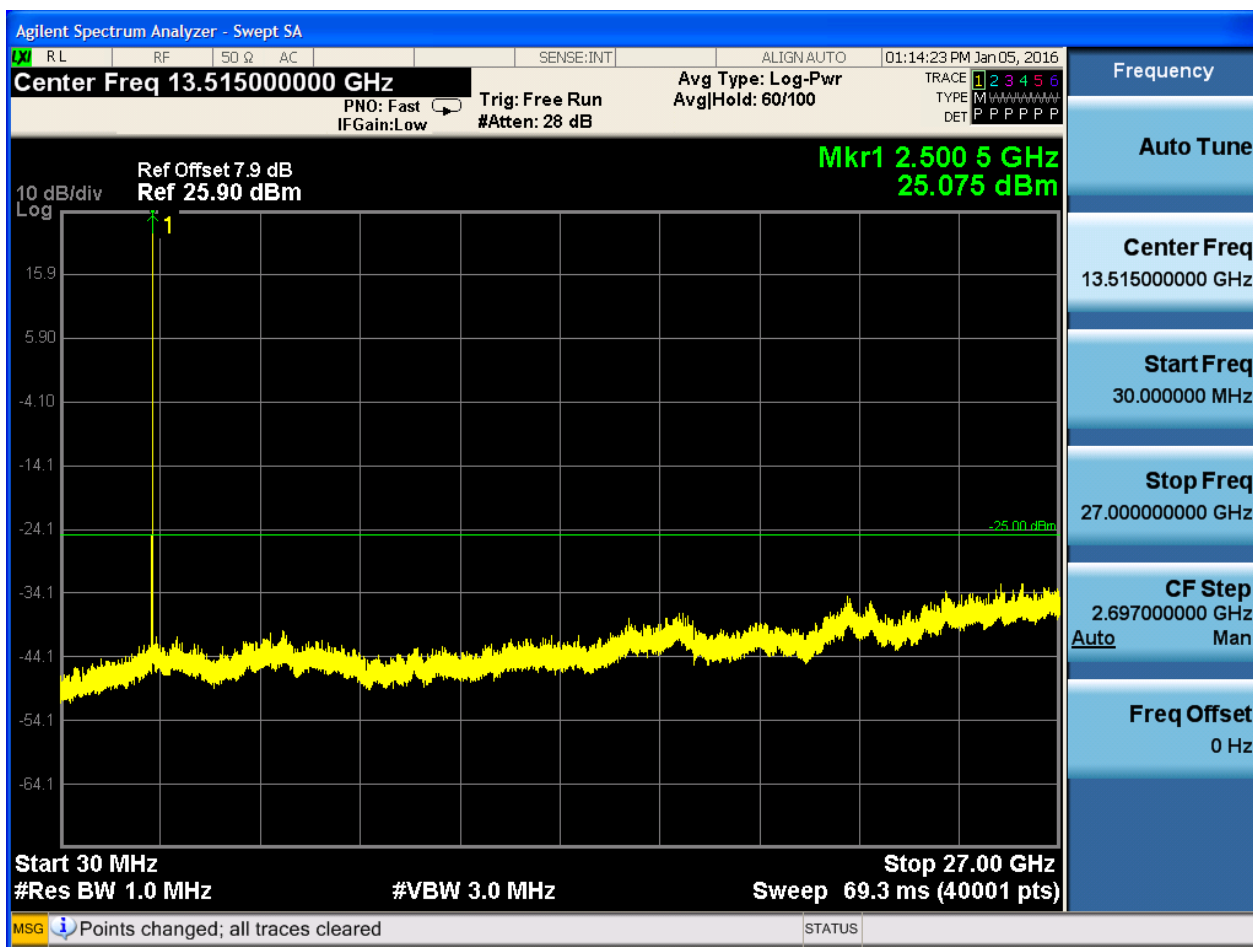
6.1.5.1.2 Test Bandwidth = 10

6.1.5.1.2.1 Test Channel = LCH

6.1.5.1.2.1.1 Test RB = RB1#0





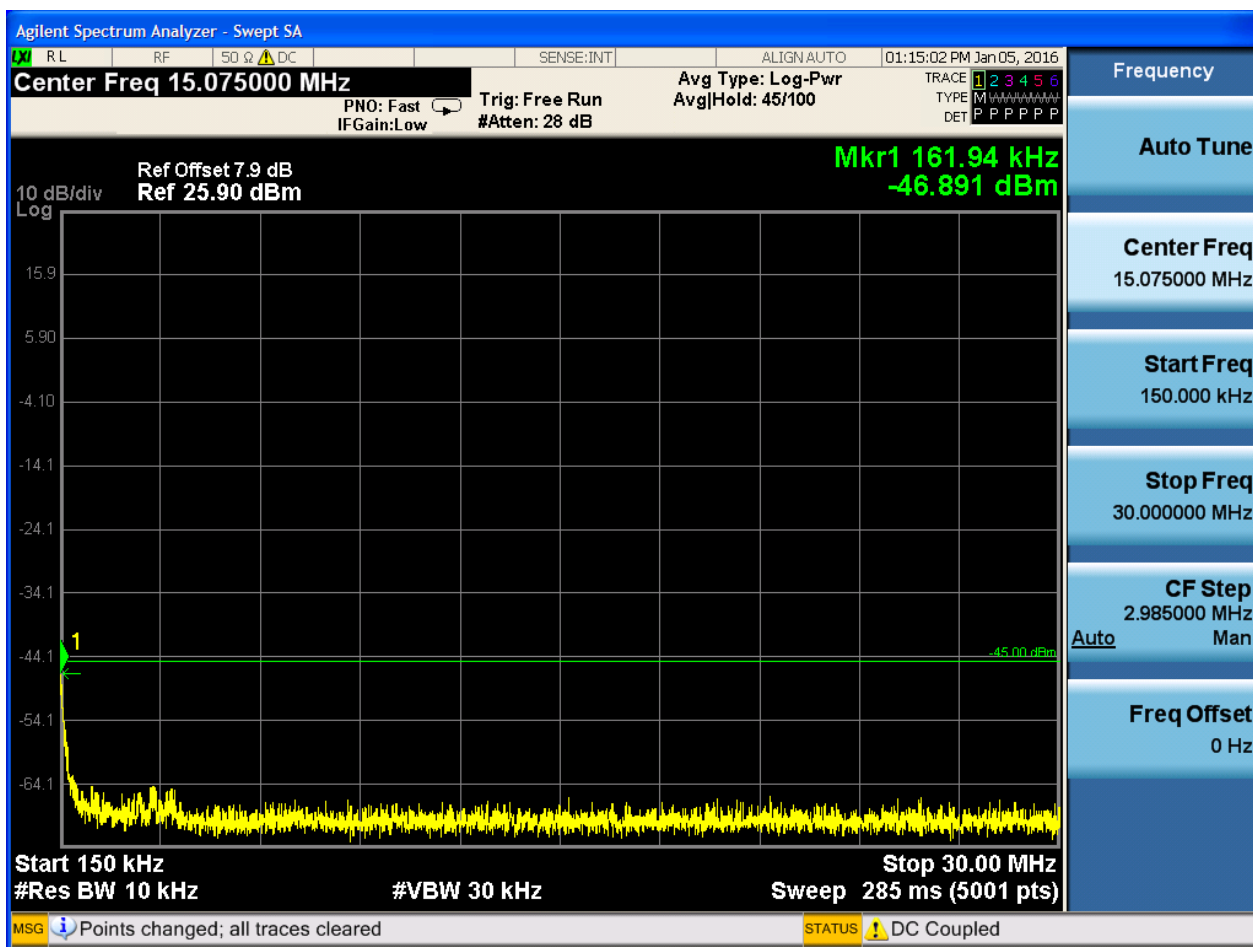


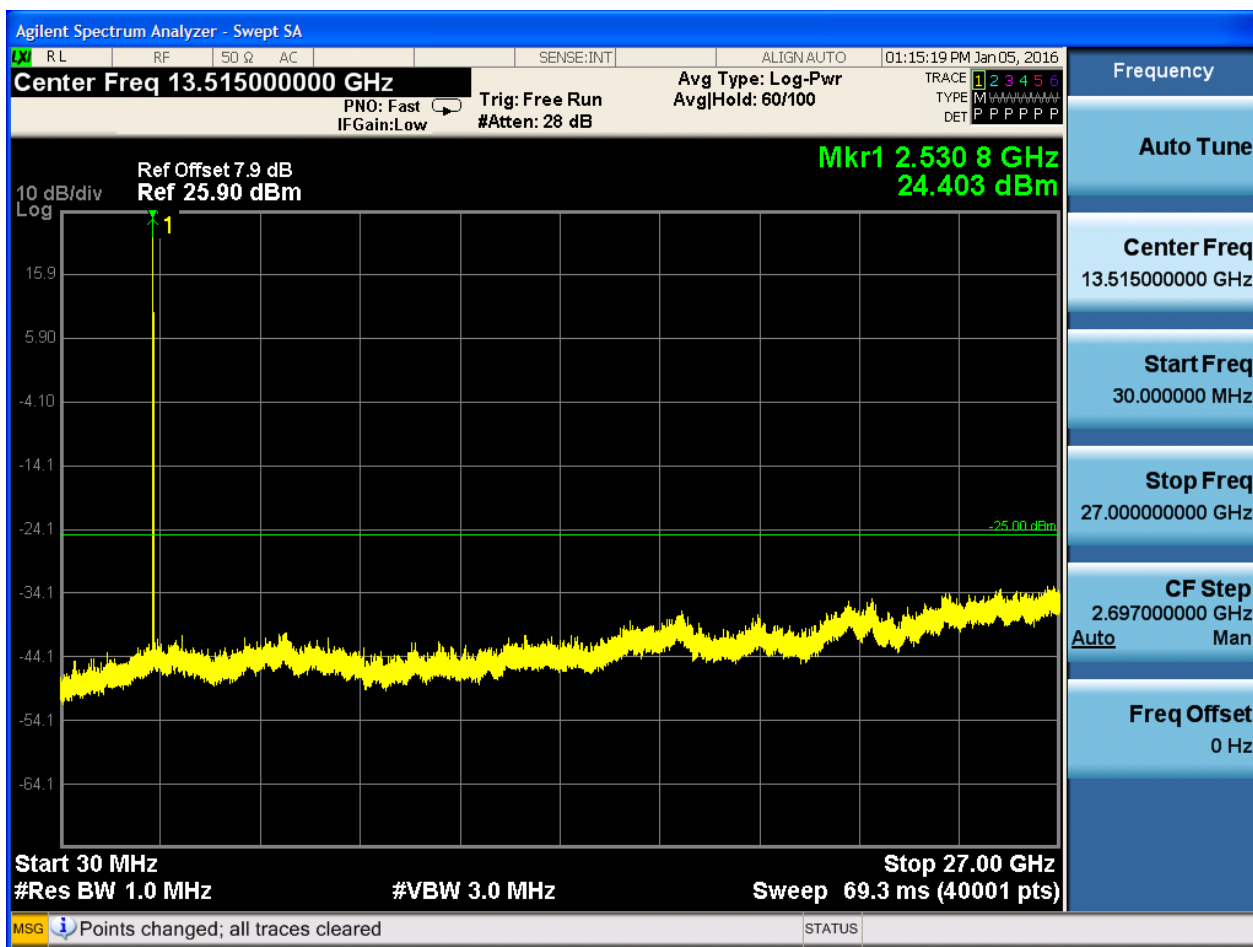


6.1.5.1.2.2 Test Channel = MCH

6.1.5.1.2.2.1 Test RB = RB1#0







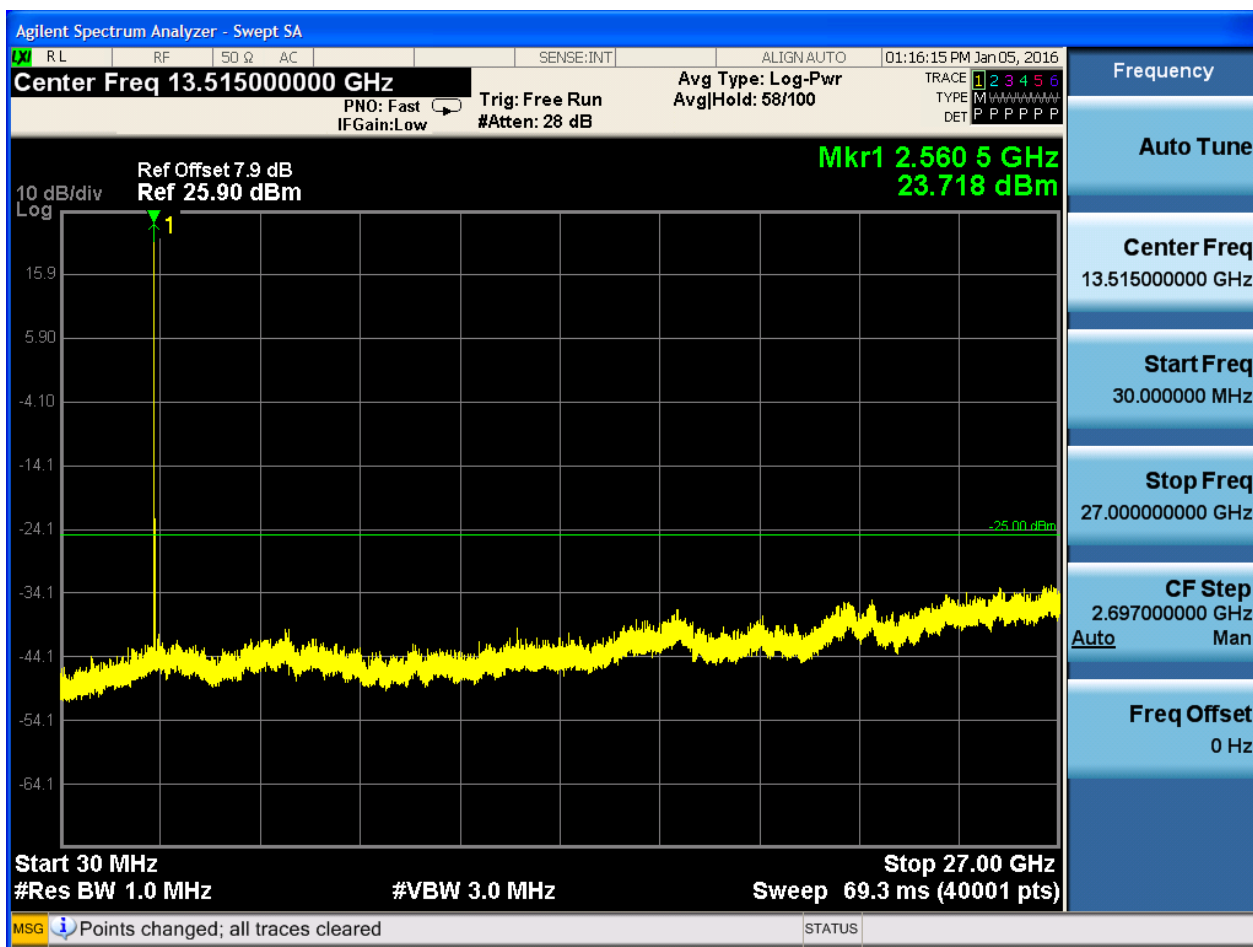


6.1.5.1.2.3 Test Channel = HCH

6.1.5.1.2.3.1 Test RB = RB1#0





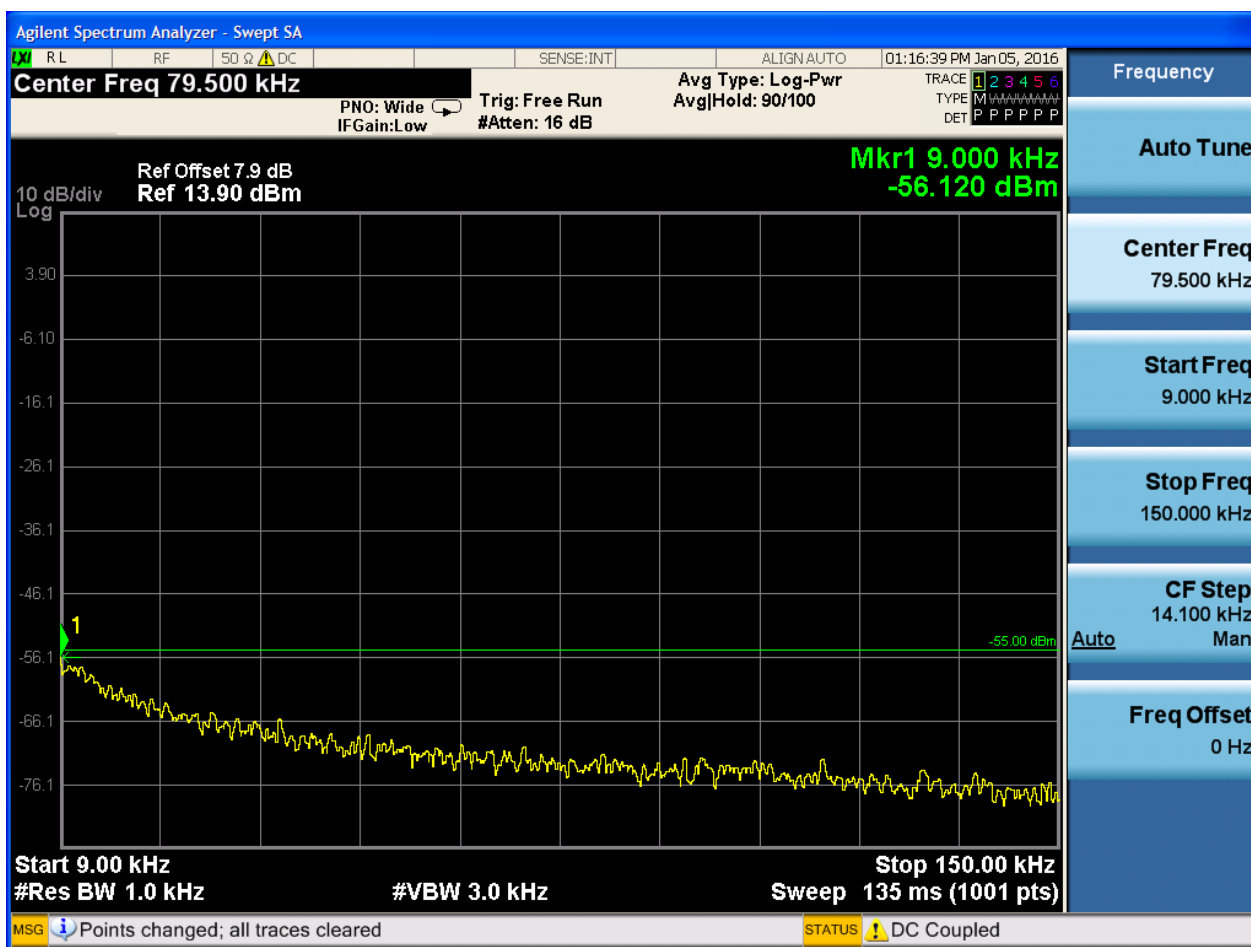


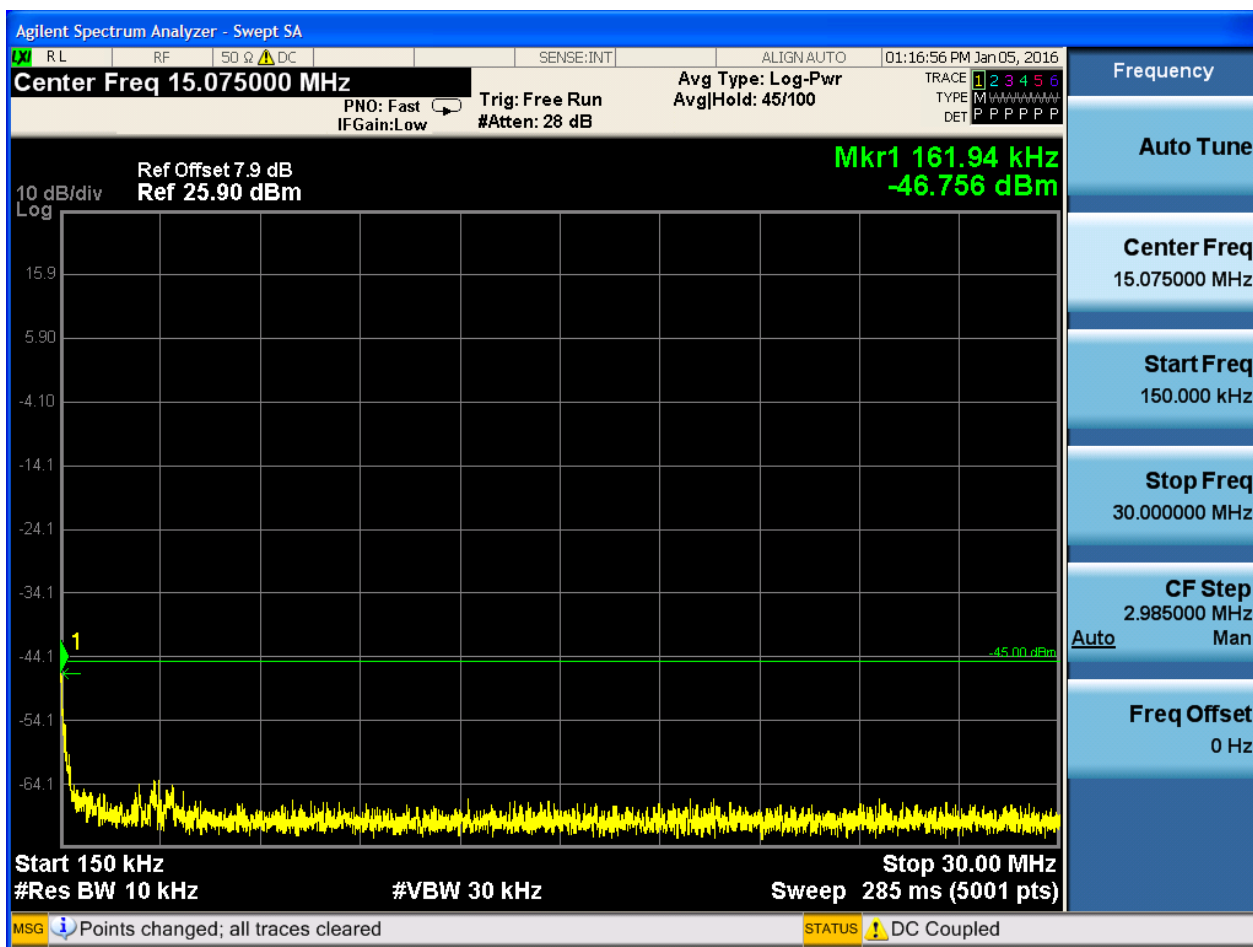


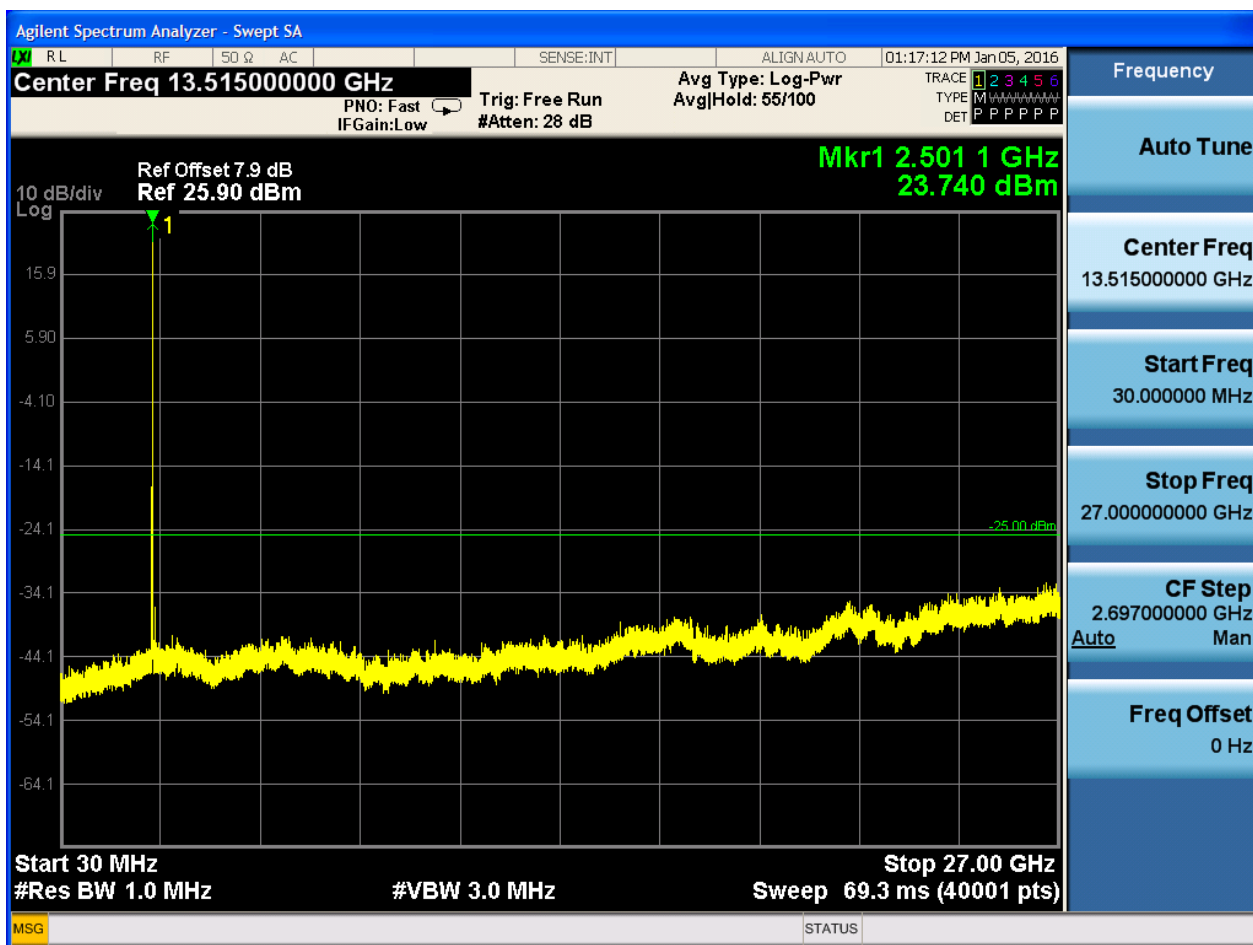
6.1.5.1.3 Test Bandwidth = 15

6.1.5.1.3.1 Test Channel = LCH

6.1.5.1.3.1.1 Test RB = RB1#0



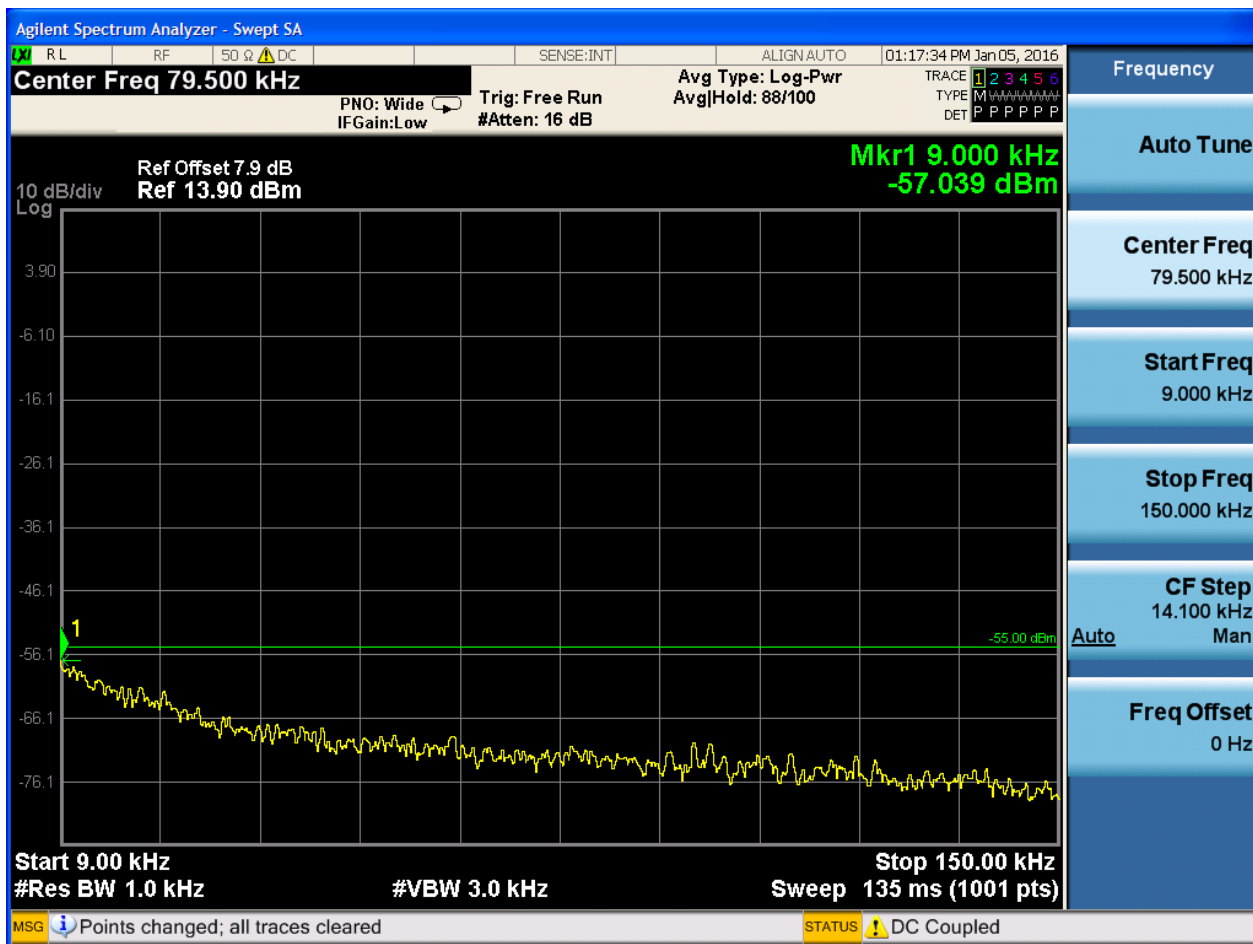


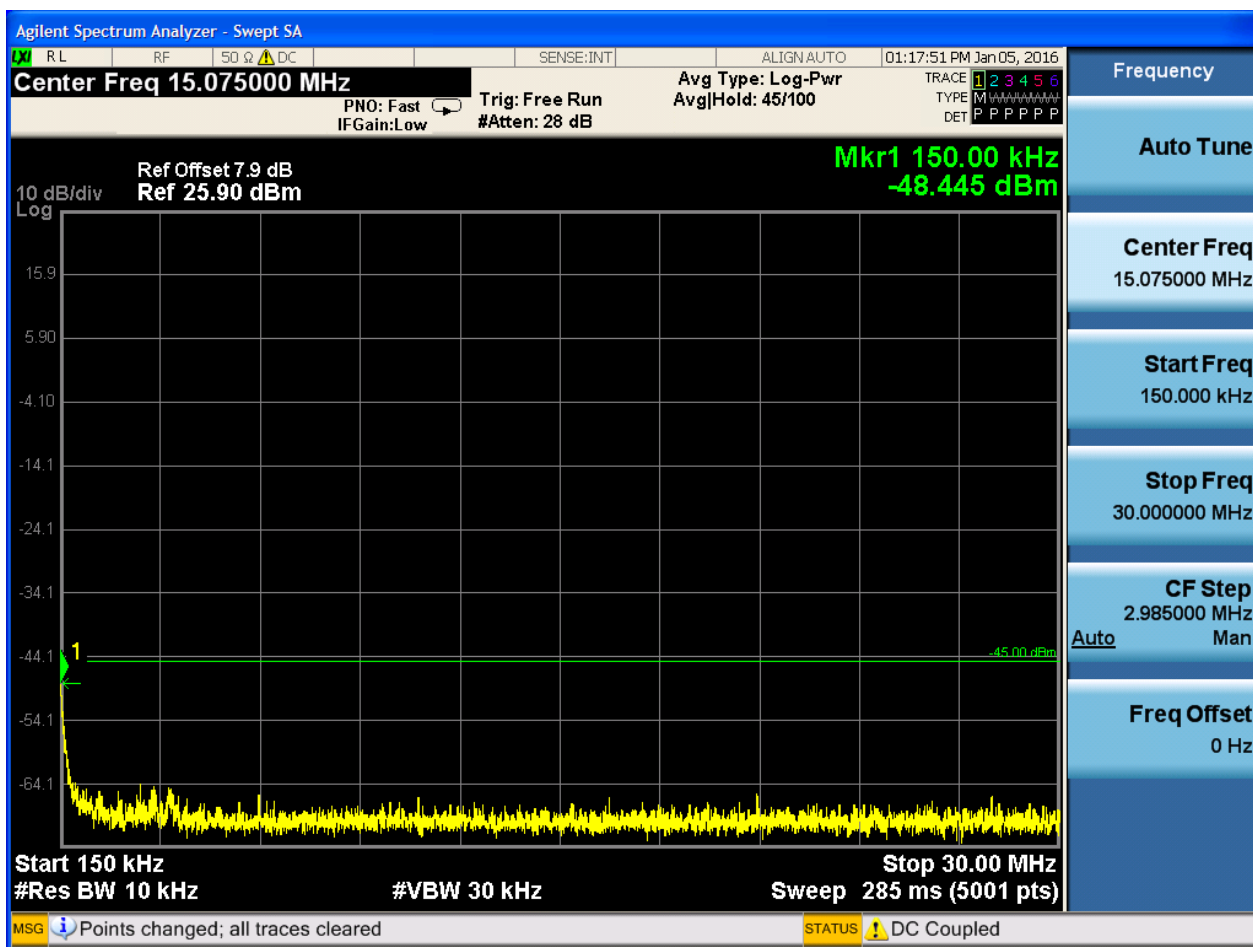


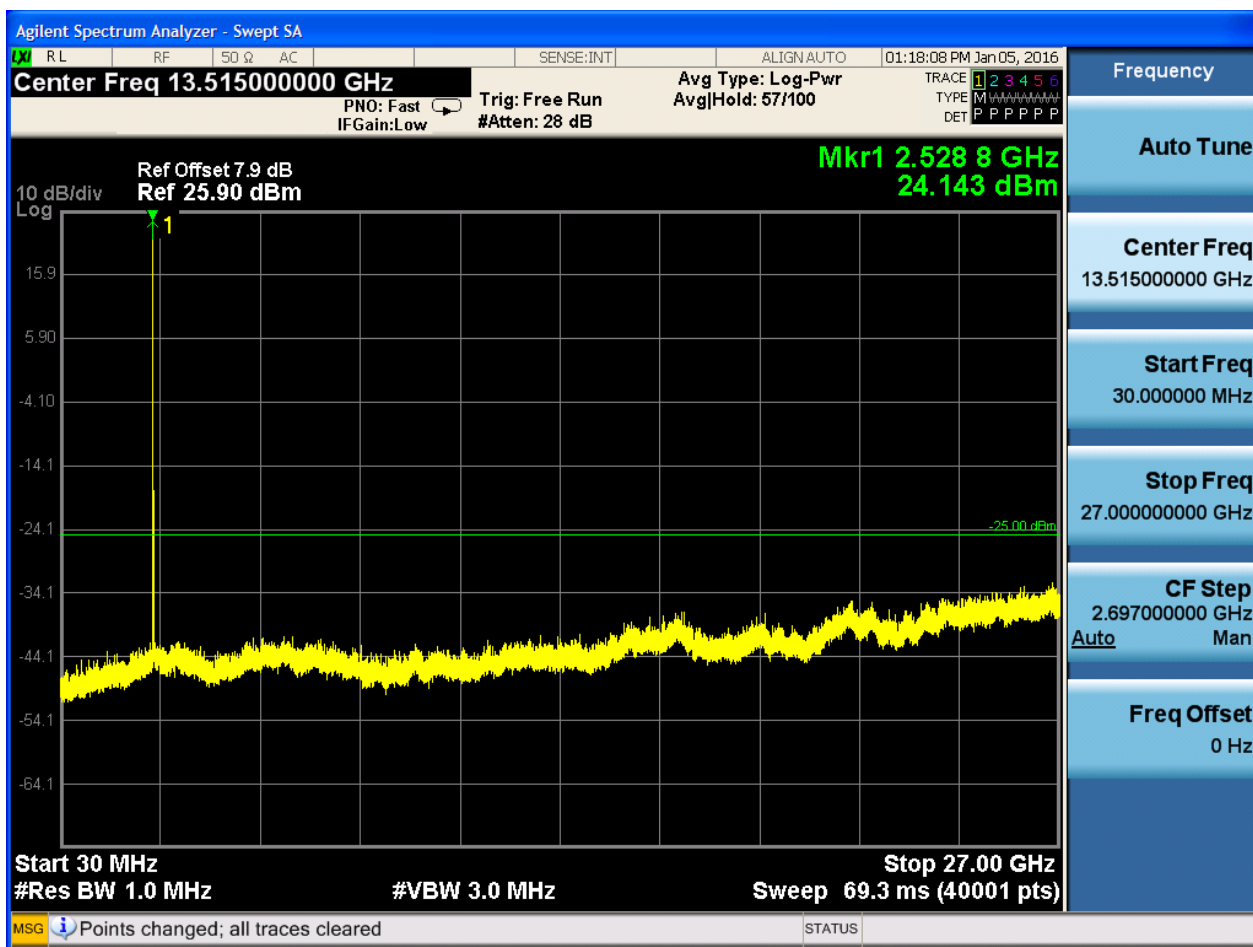


6.1.5.1.3.2 Test Channel = MCH

6.1.5.1.3.2.1 Test RB = RB1#0



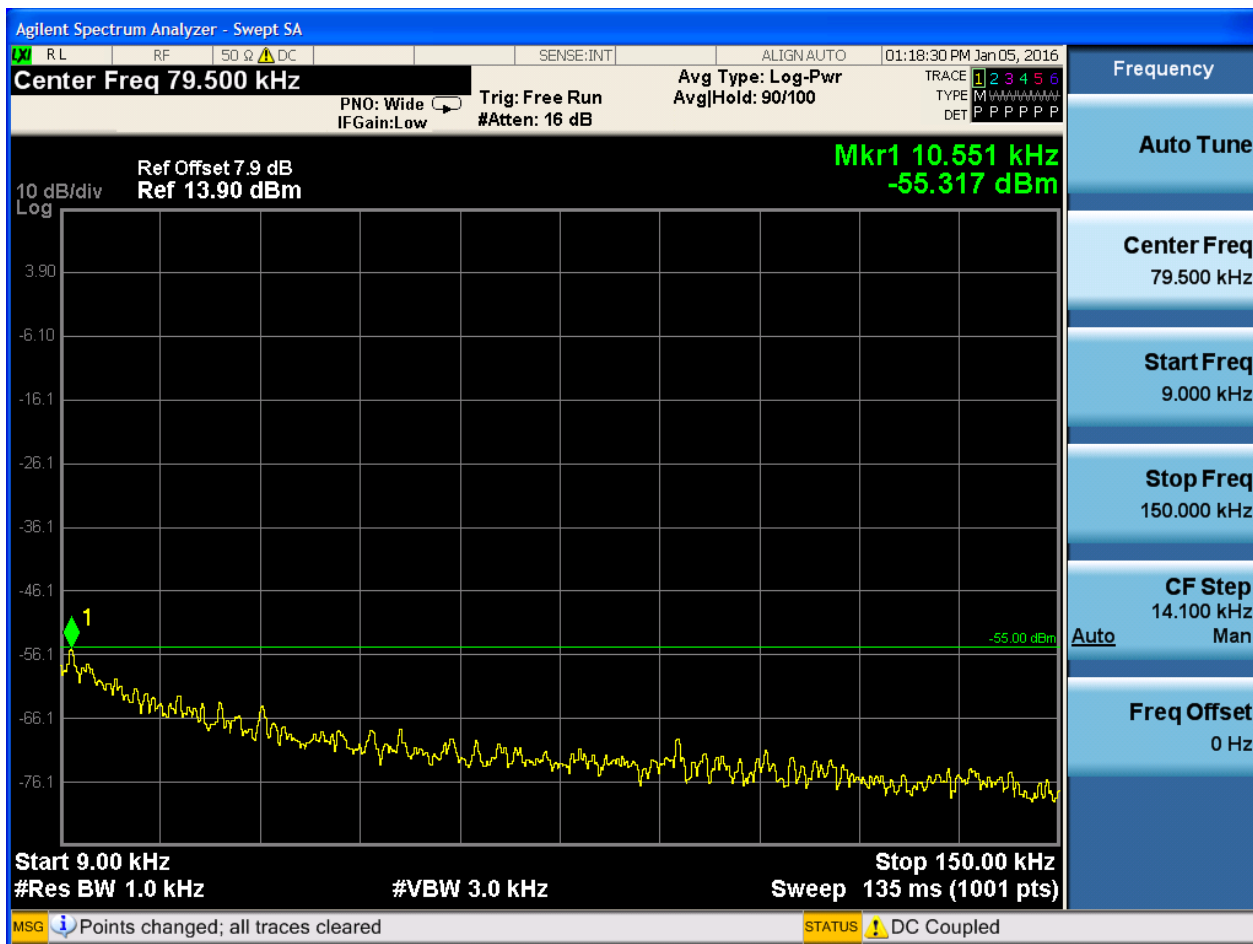


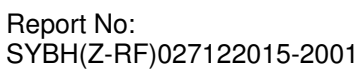
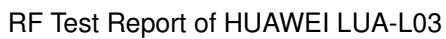


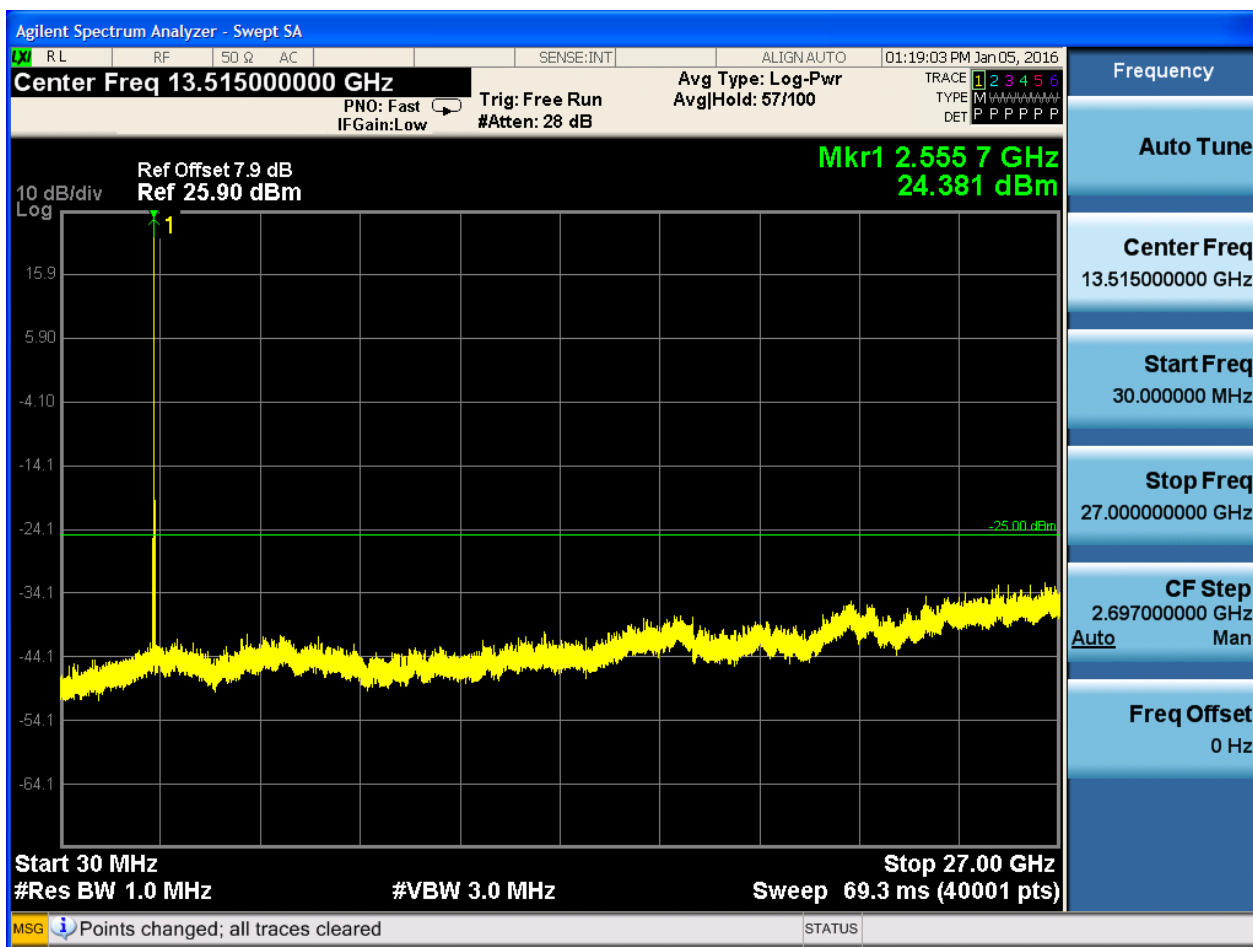


6.1.5.1.3.3 Test Channel = HCH

6.1.5.1.3.3.1 Test RB = RB1#0





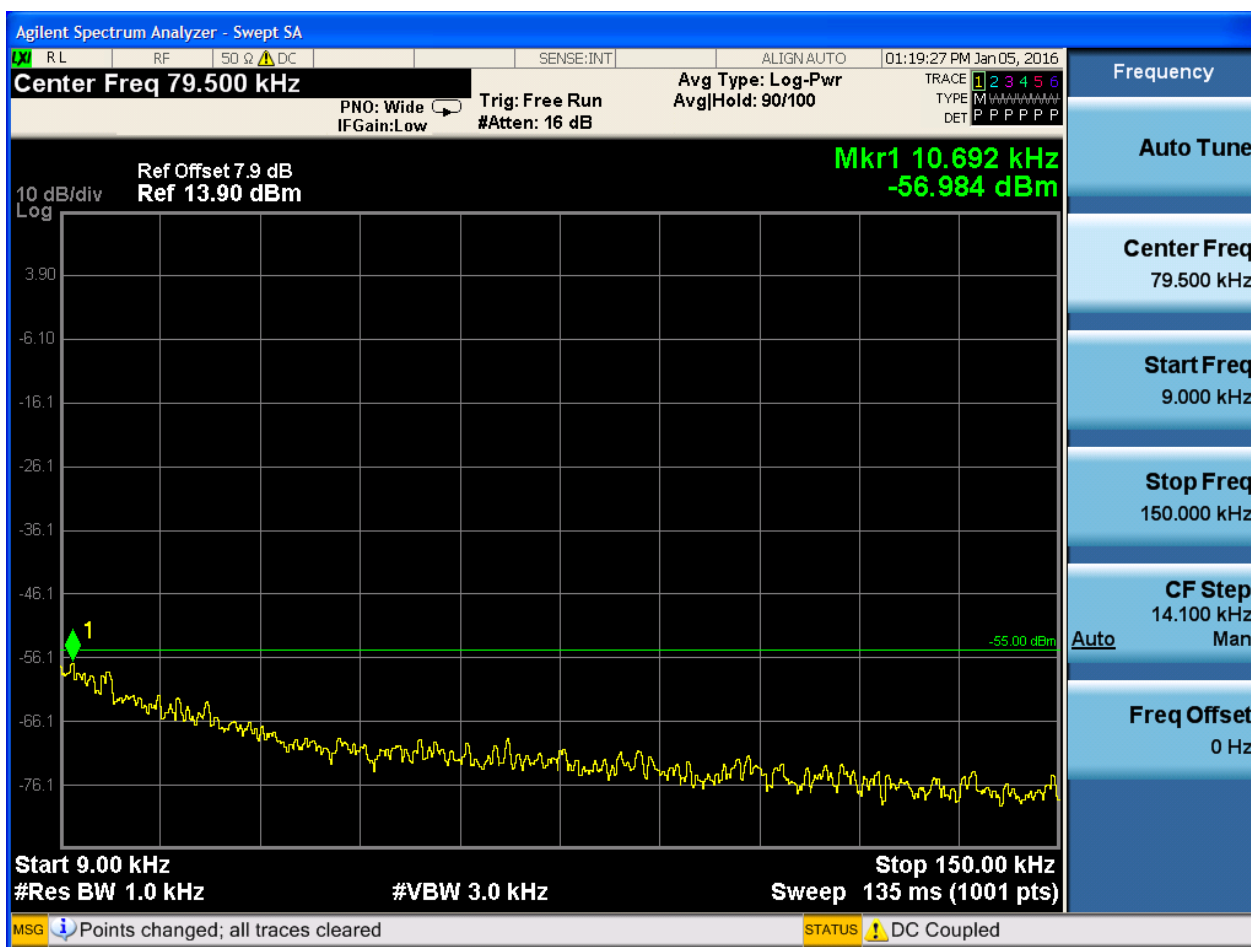


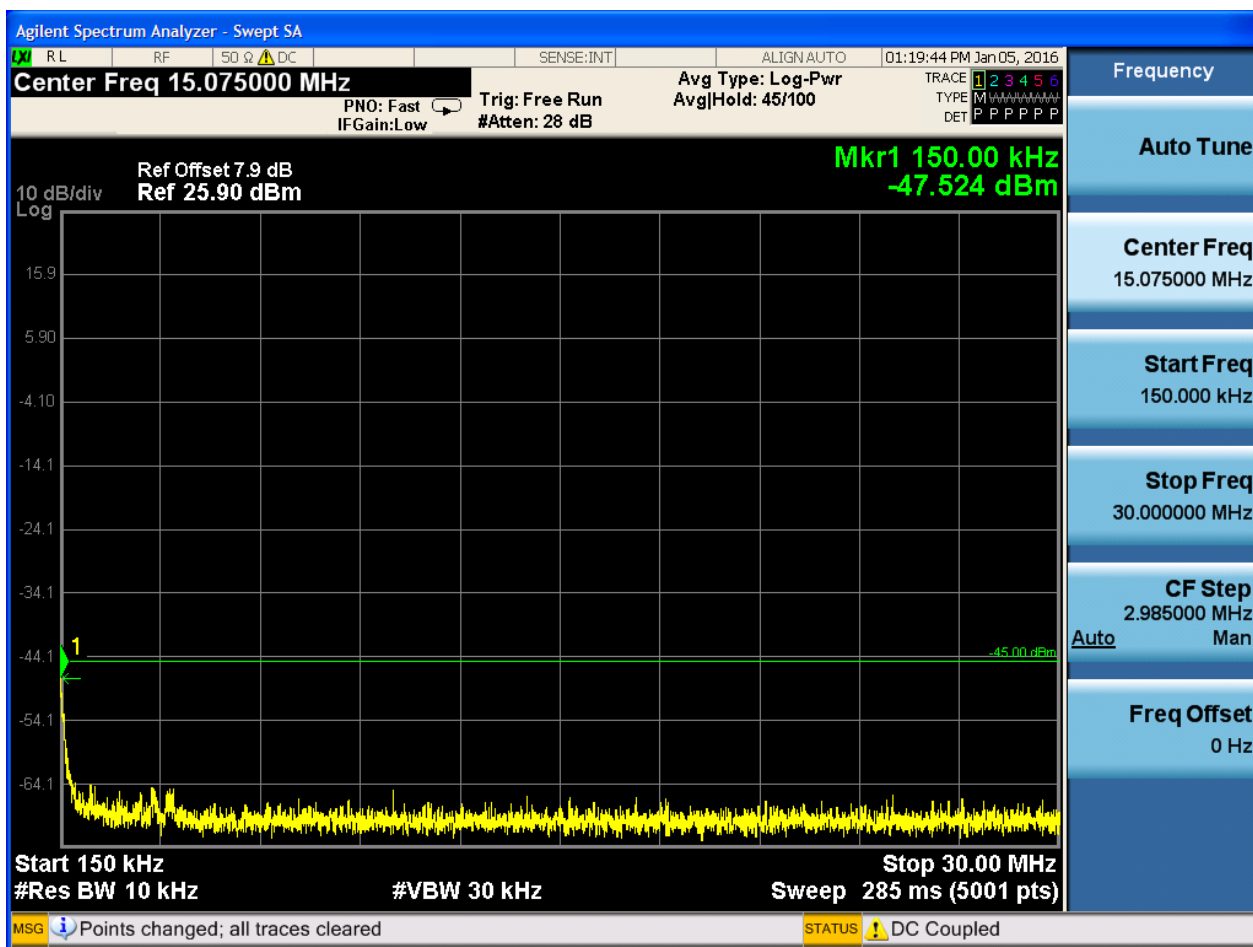


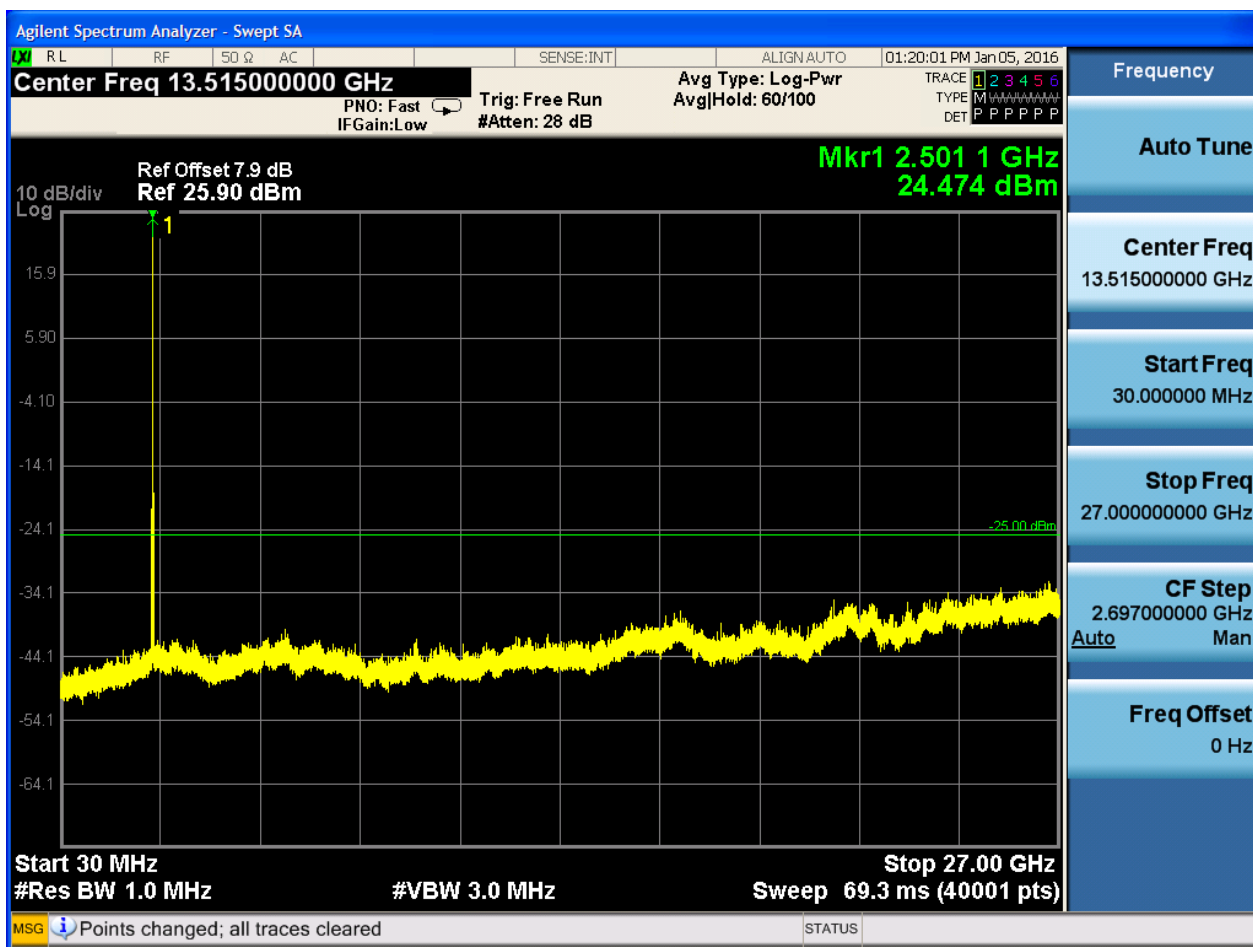
6.1.5.1.4 Test Bandwidth = 20

6.1.5.1.4.1 Test Channel = LCH

6.1.5.1.4.1.1 Test RB = RB1#0





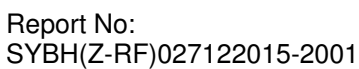
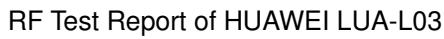


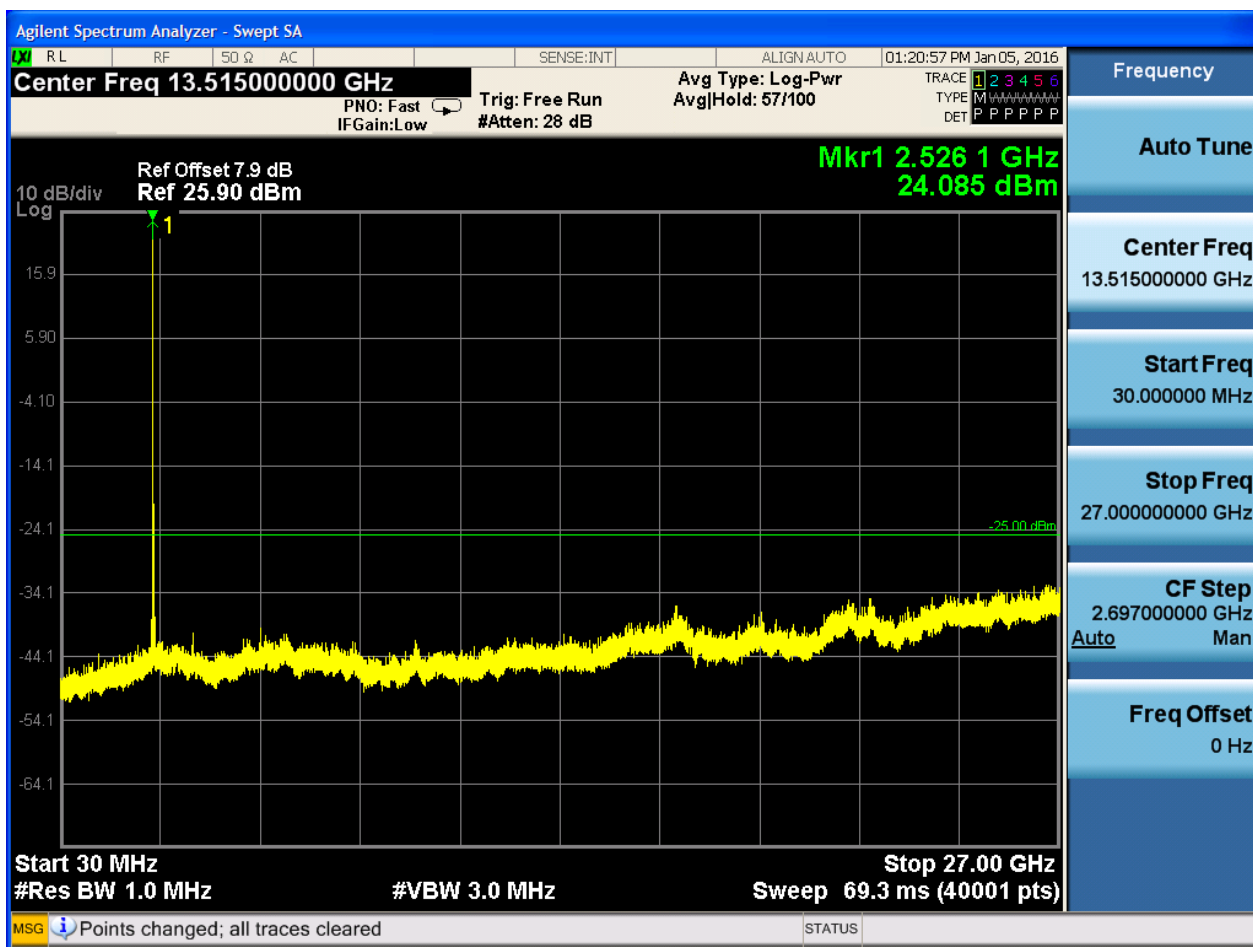


6.1.5.1.4.2 Test Channel = MCH

6.1.5.1.4.2.1 Test RB = RB1#0







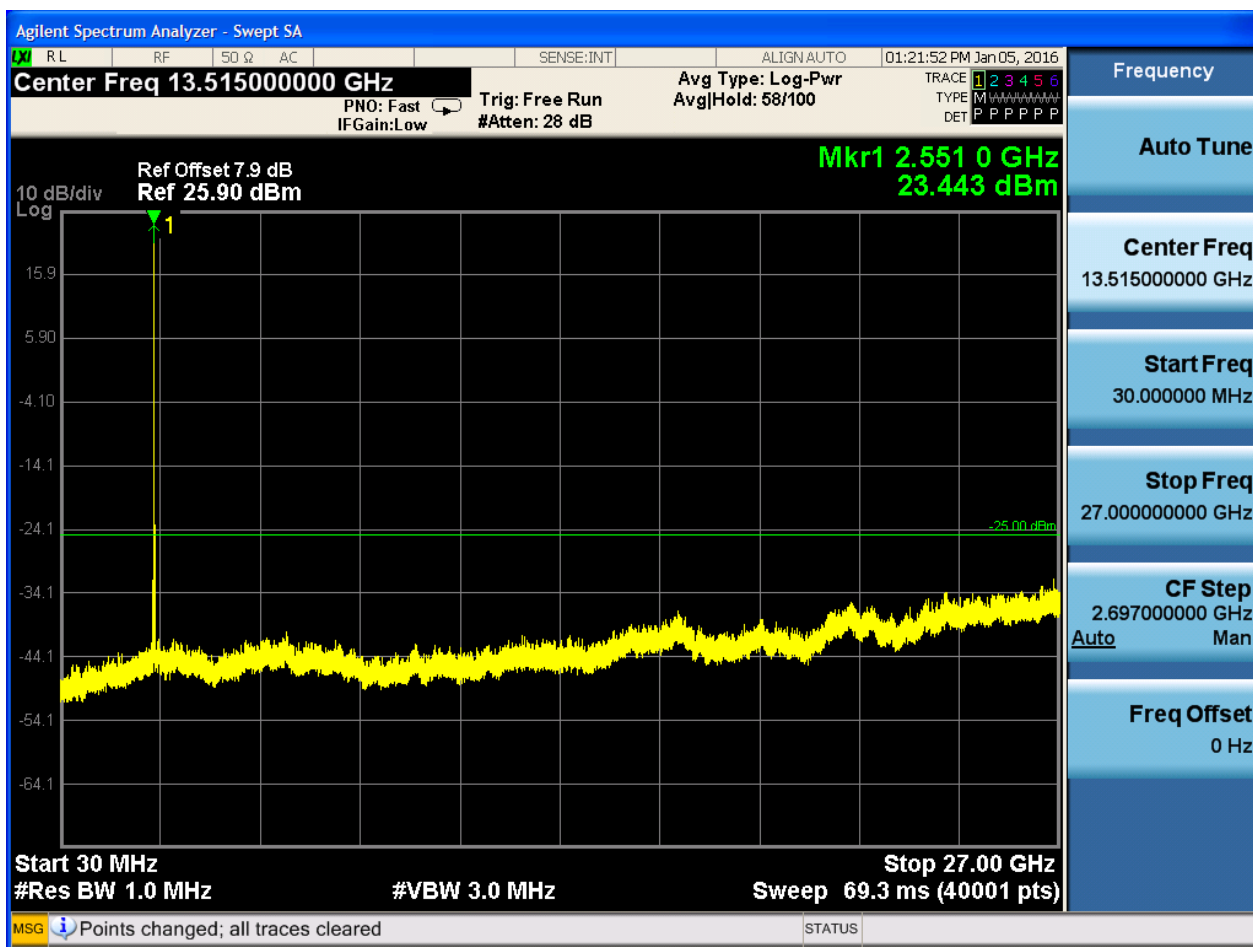


6.1.5.1.4.3 Test Channel = HCH

6.1.5.1.4.3.1 Test RB = RB1#0





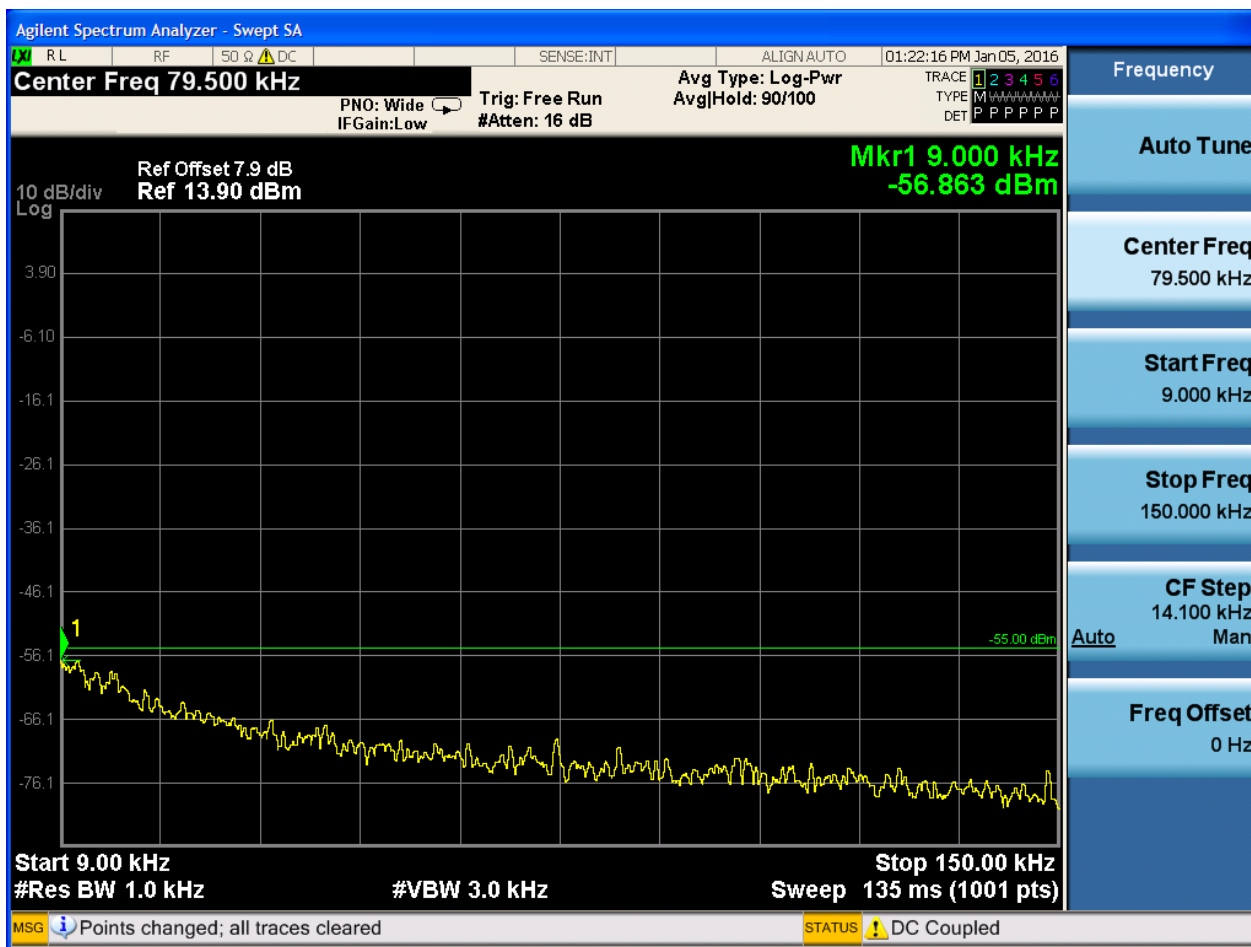


6.1.5.2 Test Mode = LTE/TM2

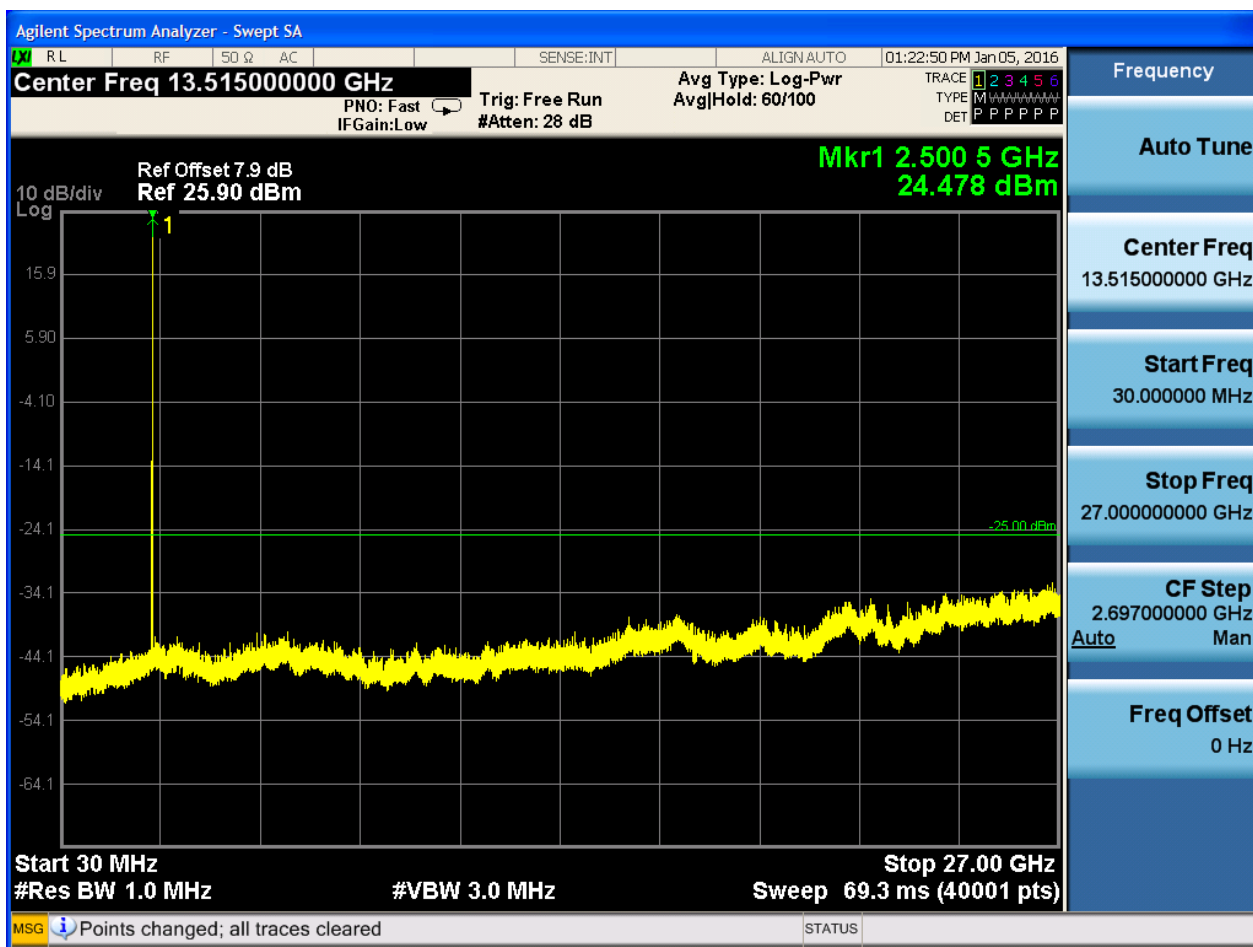
6.1.5.2.1 Test Bandwidth = 5

6.1.5.2.1.1 Test Channel = LCH

6.1.5.2.1.1.1 Test RB = RB1#0



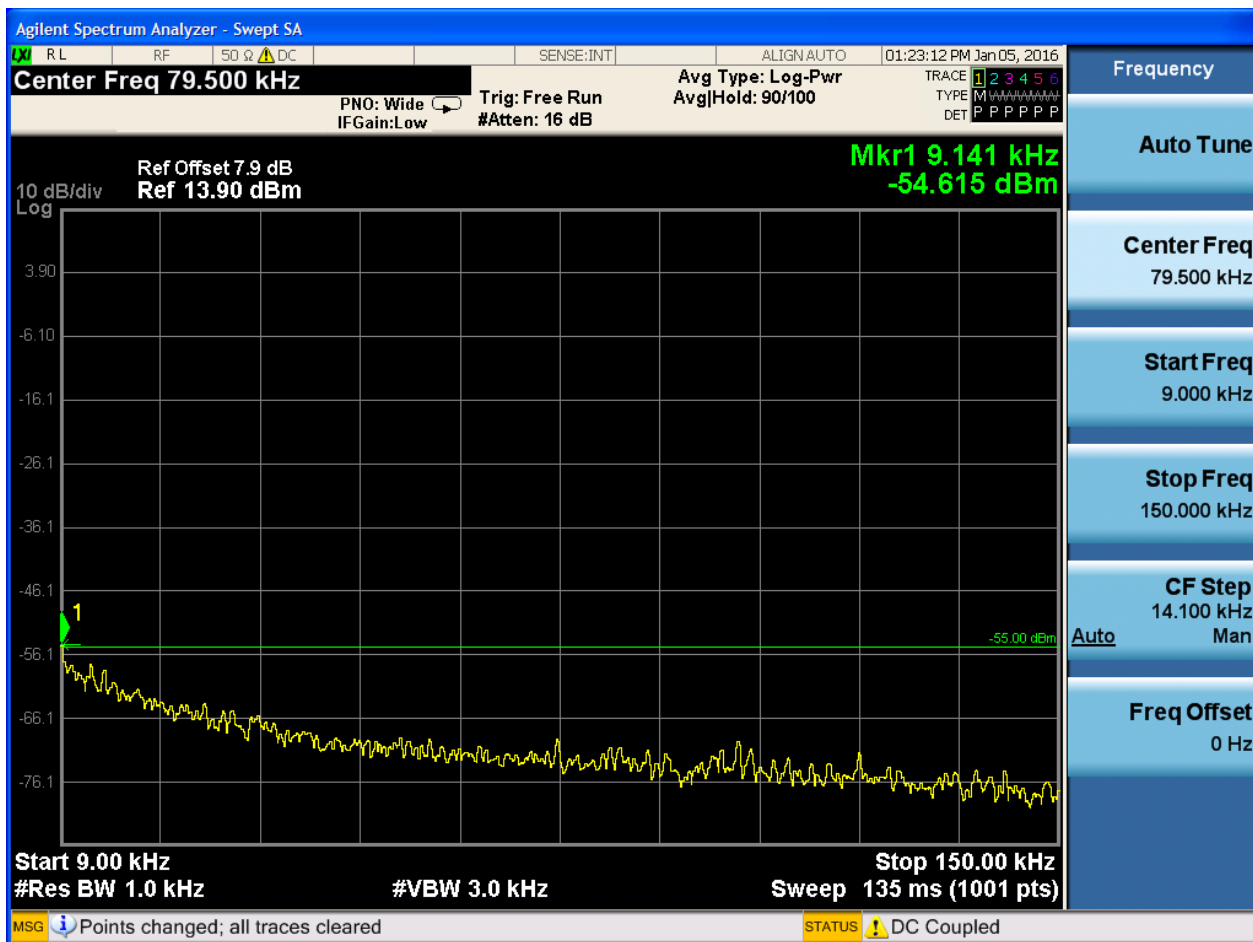


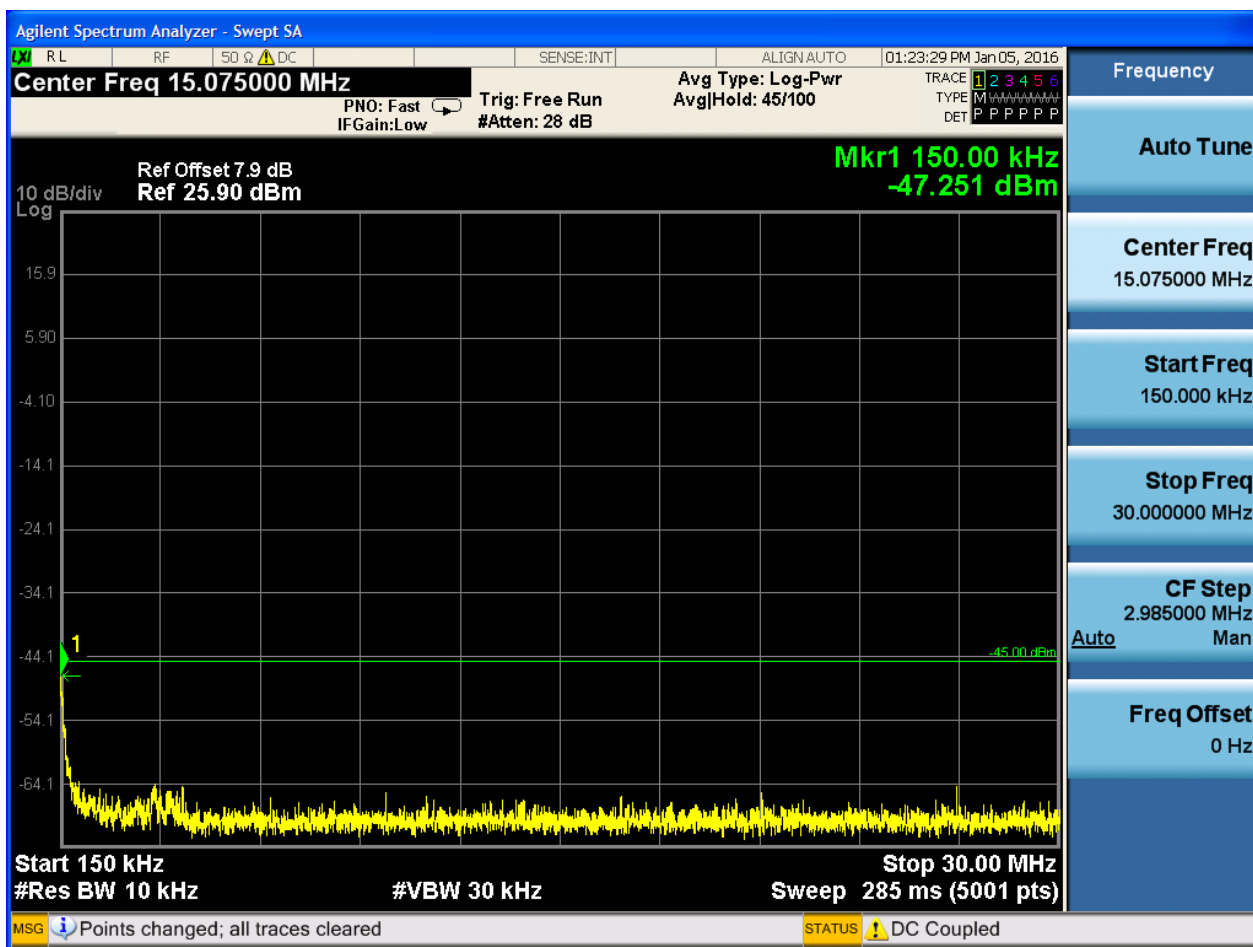


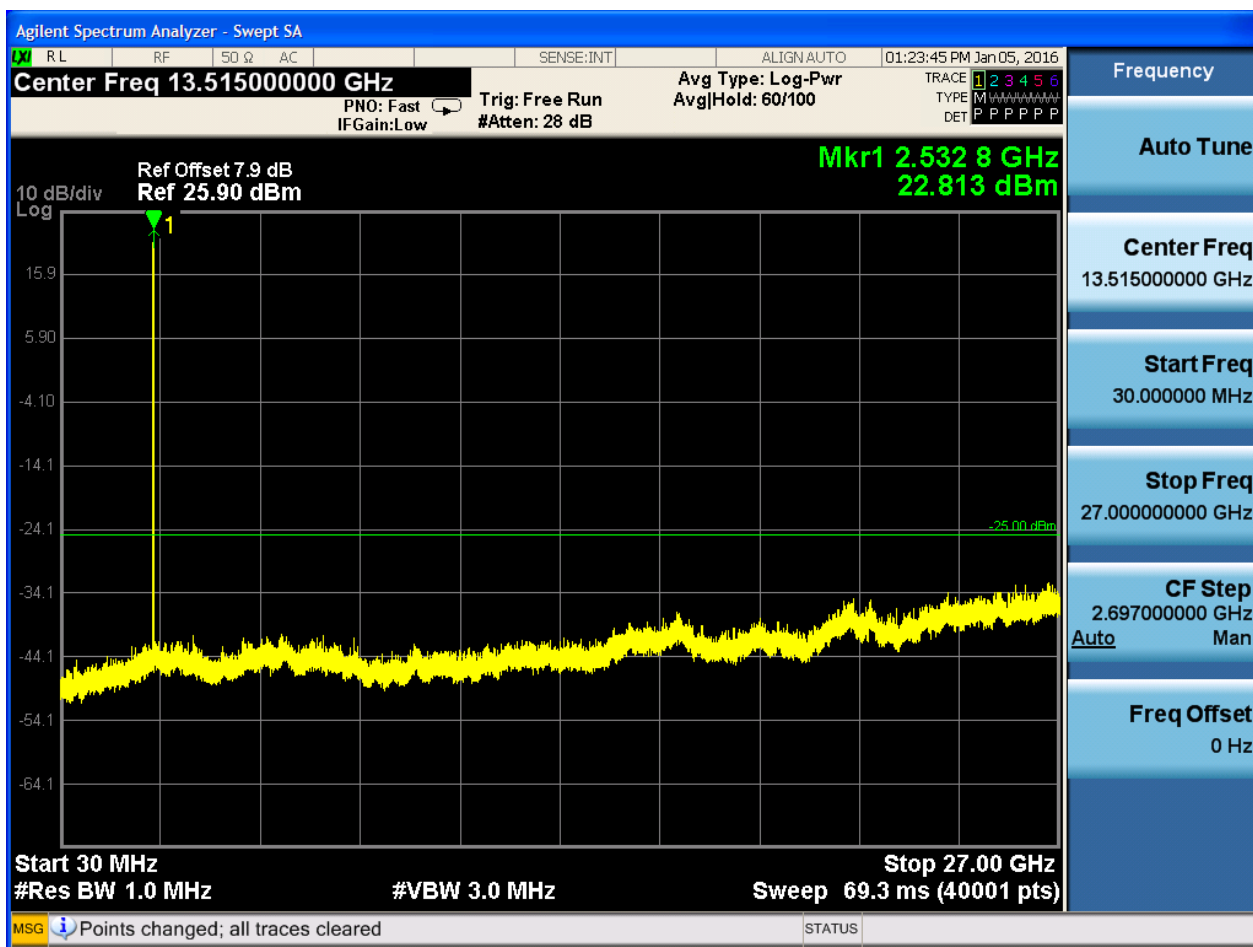


6.1.5.2.1.2 Test Channel = MCH

6.1.5.2.1.2.1 Test RB = RB1#0





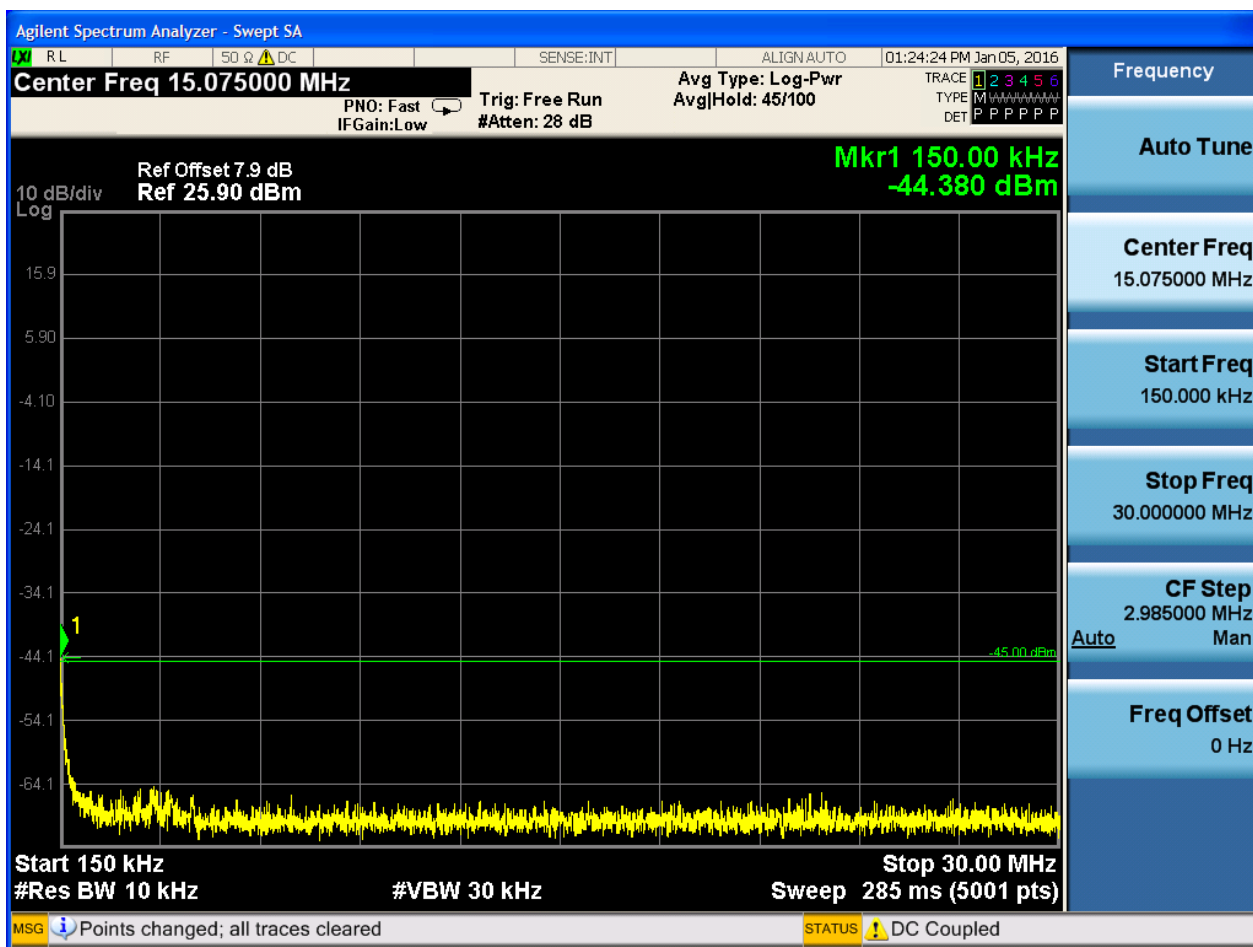


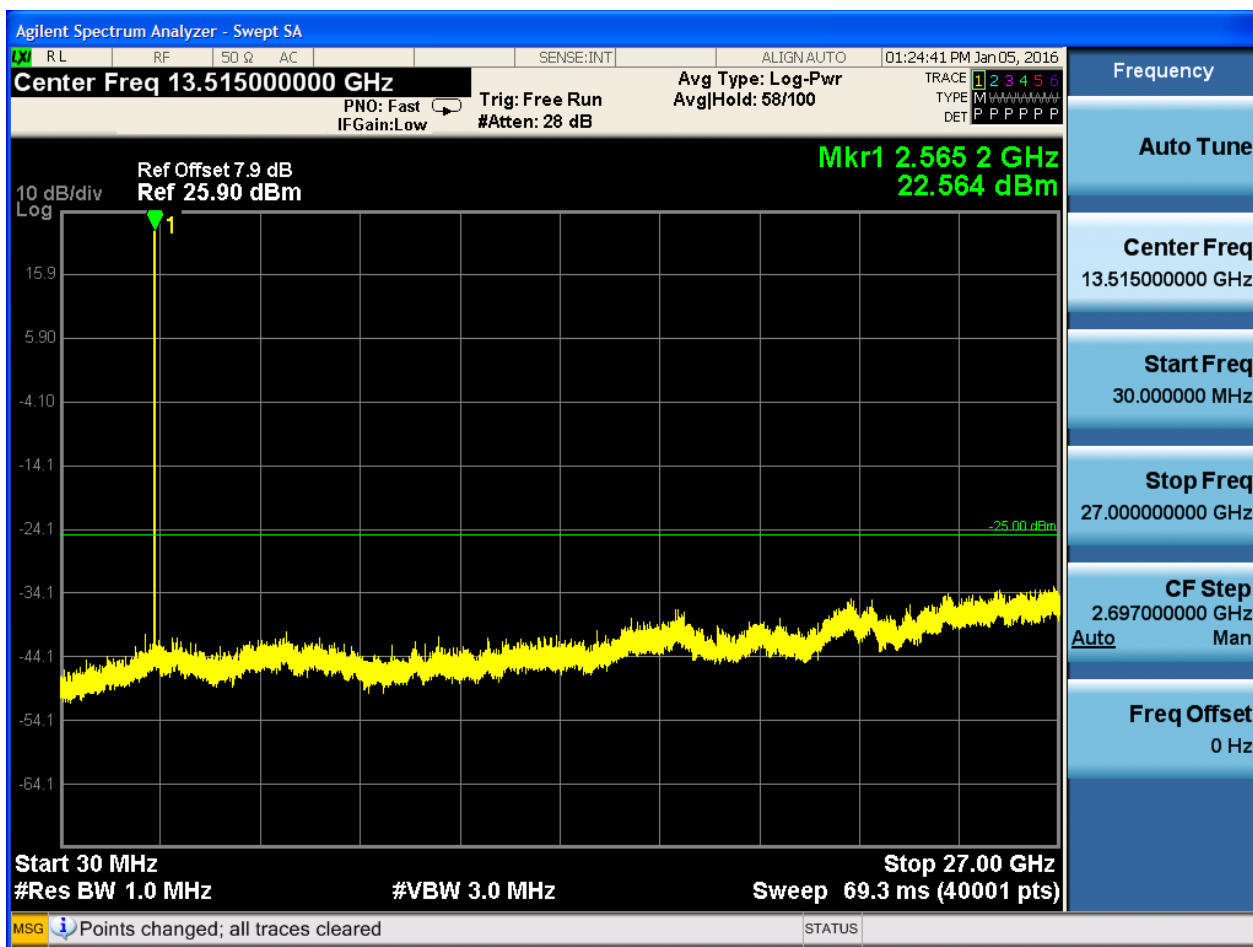


6.1.5.2.1.3 Test Channel = HCH

6.1.5.2.1.3.1 Test RB = RB1#0





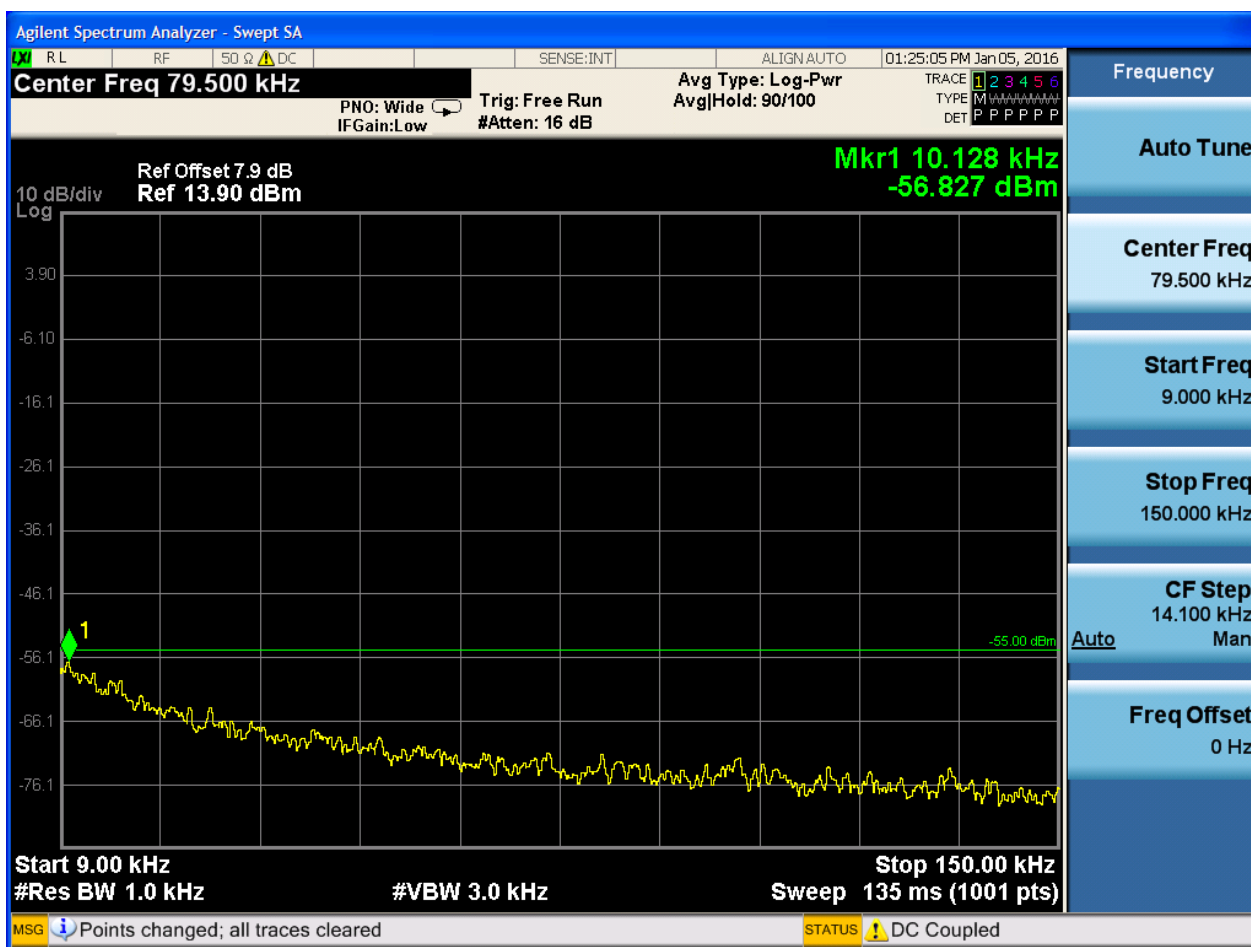


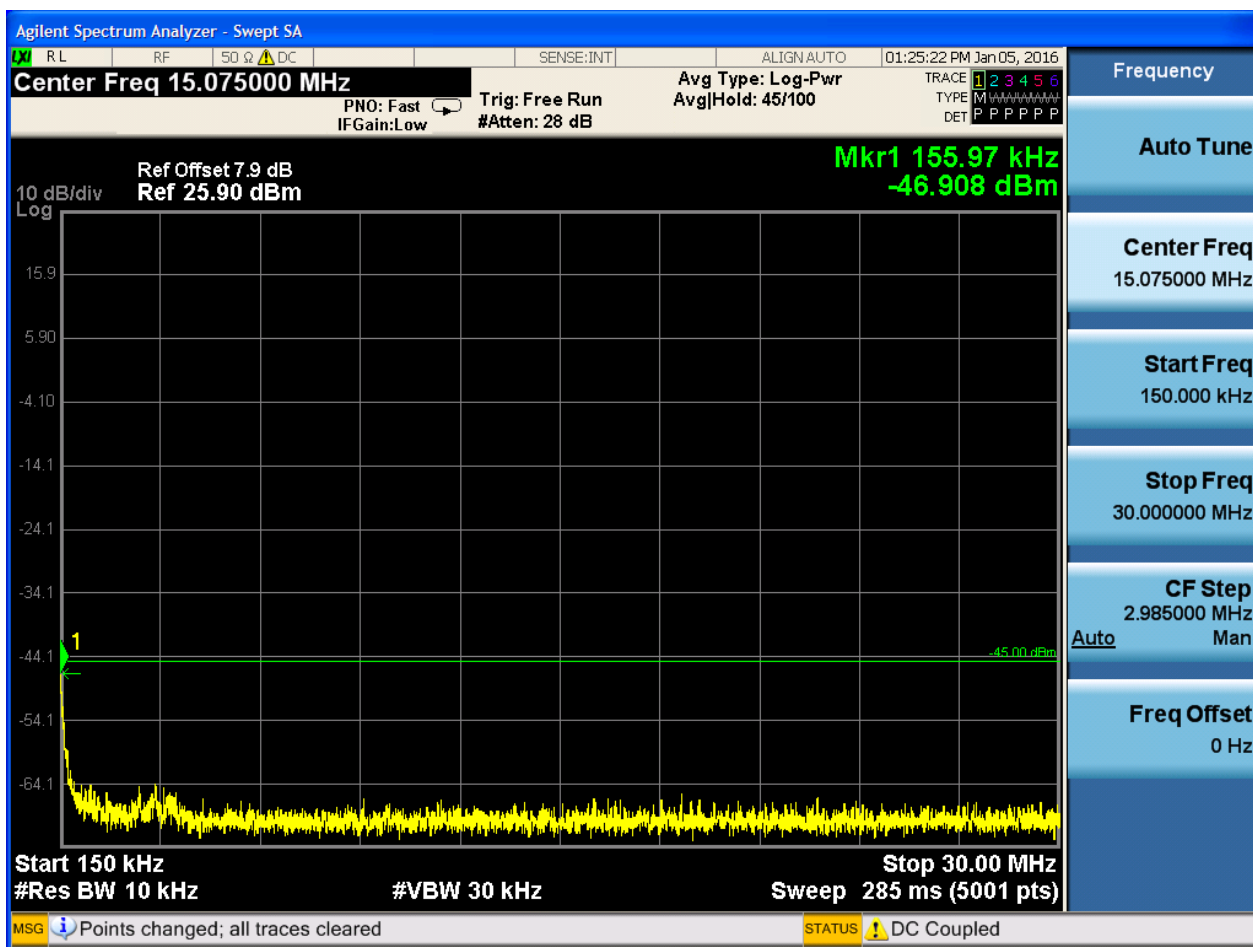


6.1.5.2.2 Test Bandwidth = 10

6.1.5.2.2.1 Test Channel = LCH

6.1.5.2.2.1.1 Test RB = RB1#0





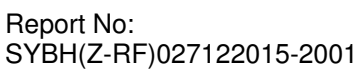
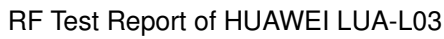


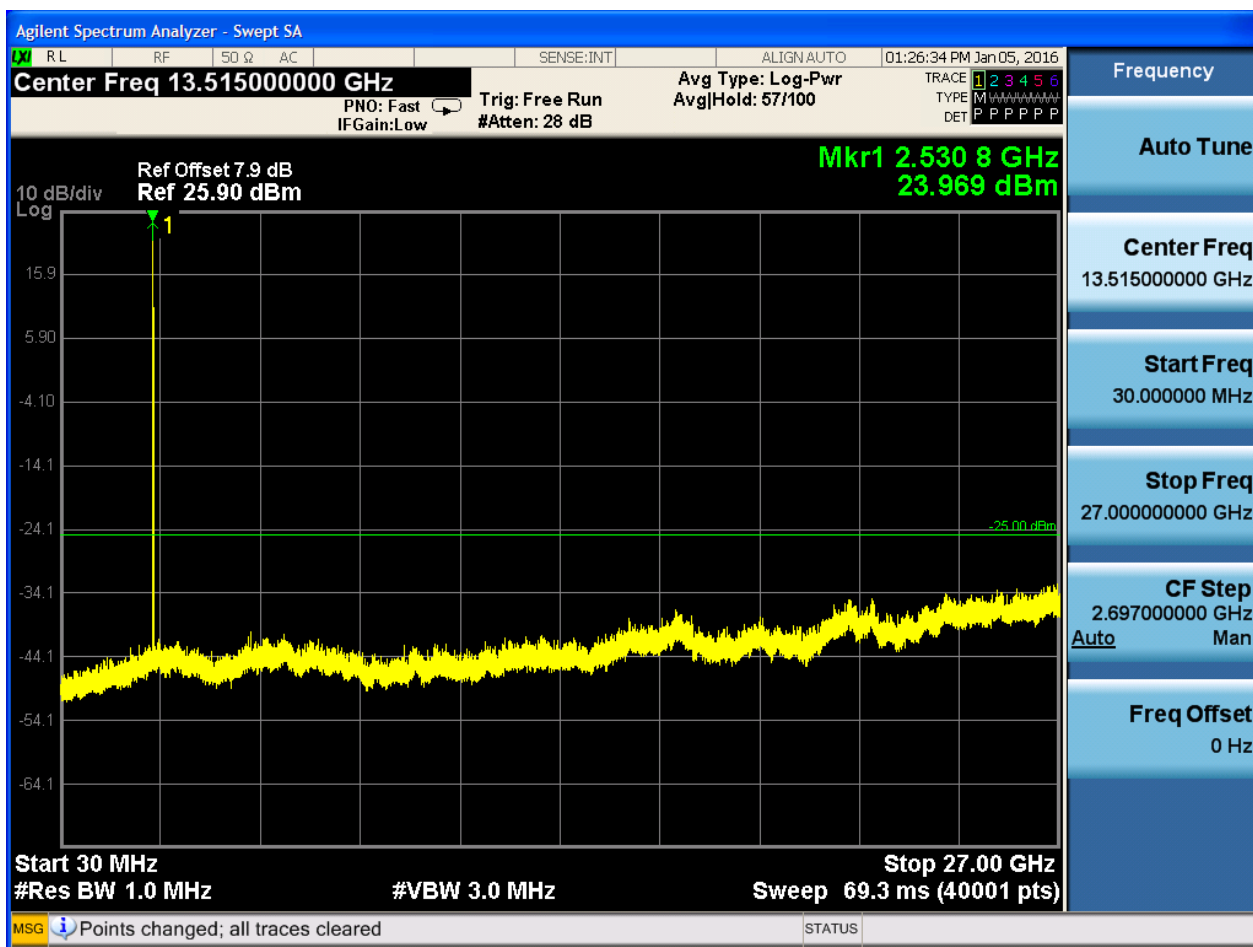


6.1.5.2.2.2 Test Channel = MCH

6.1.5.2.2.2.1 Test RB = RB1#0



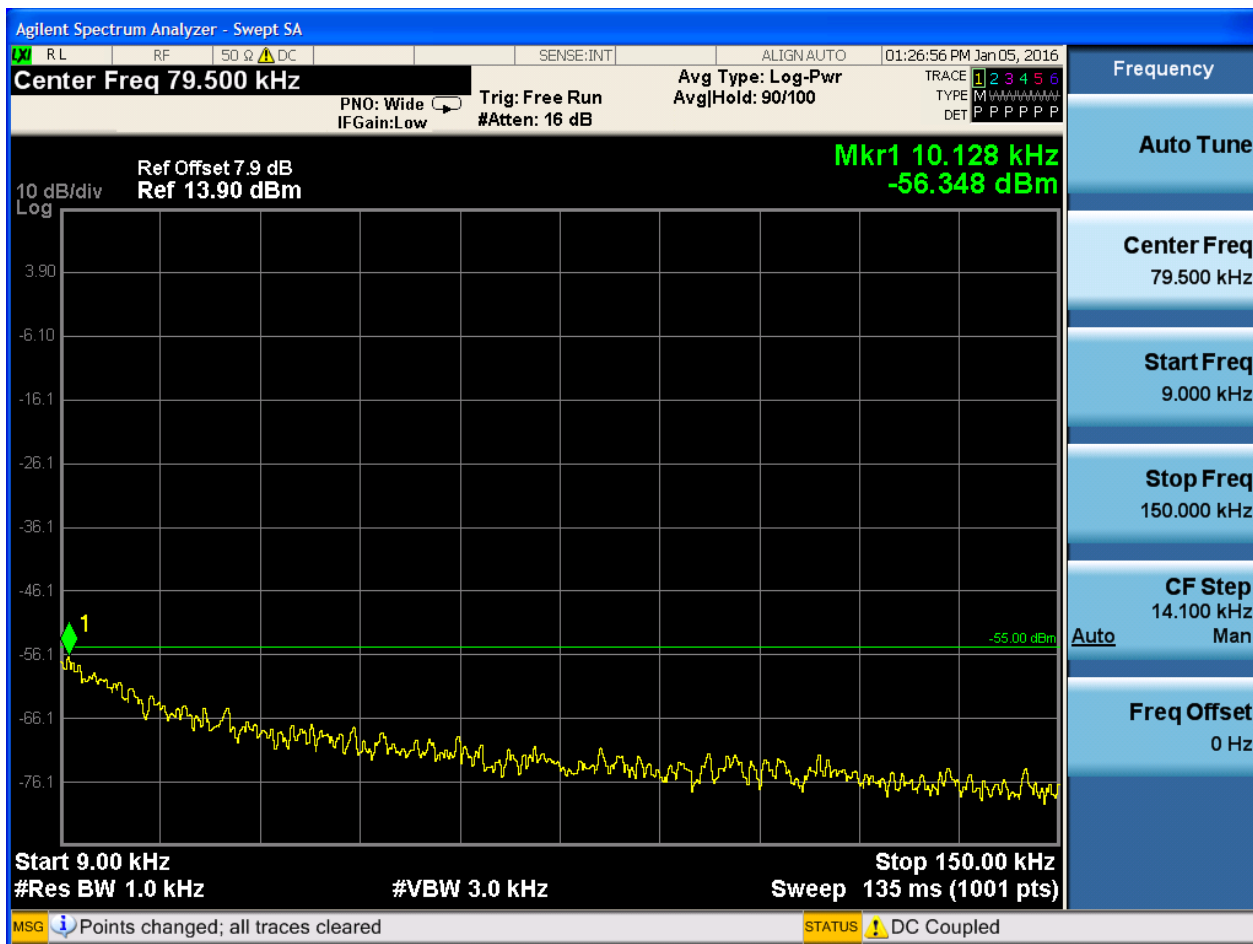


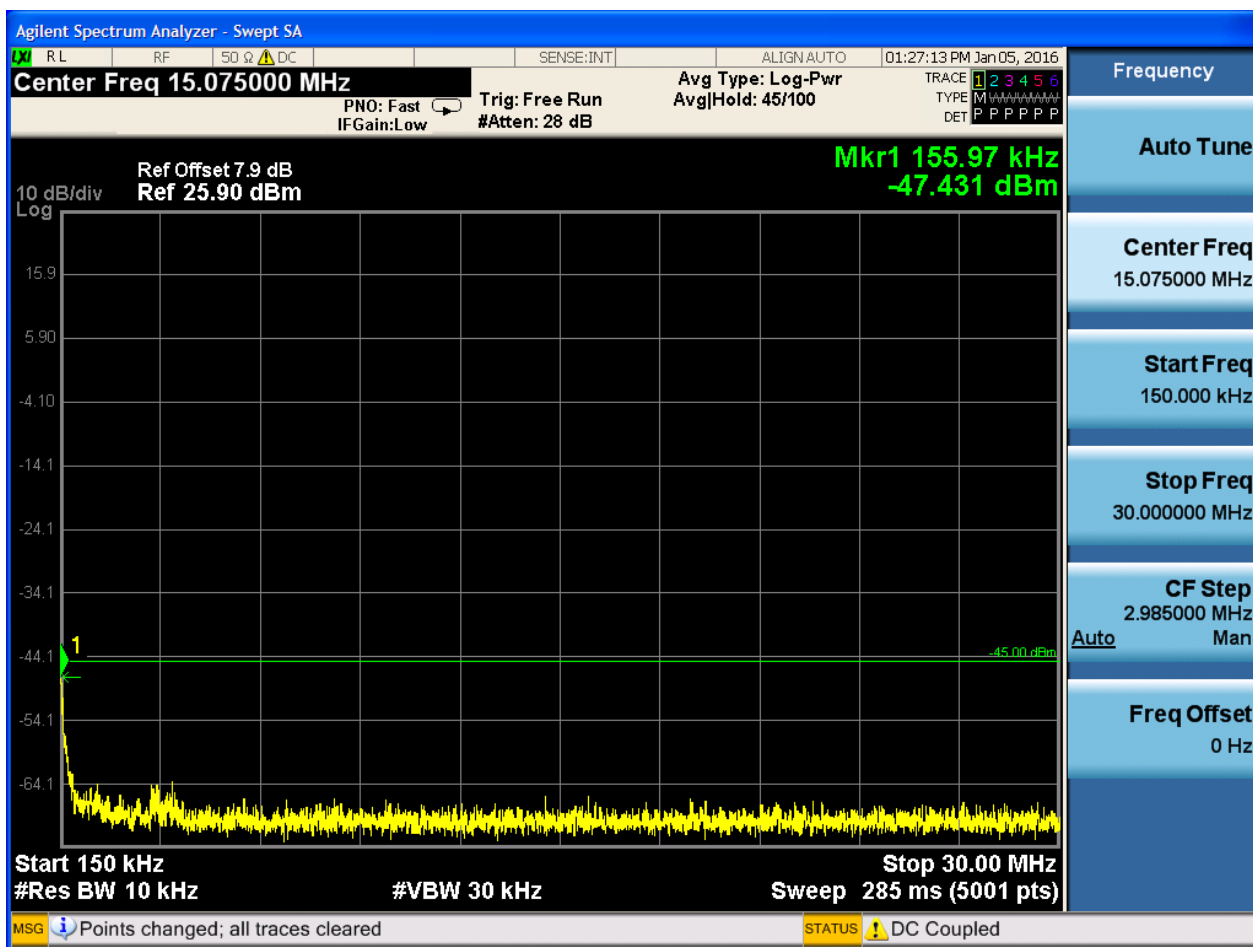


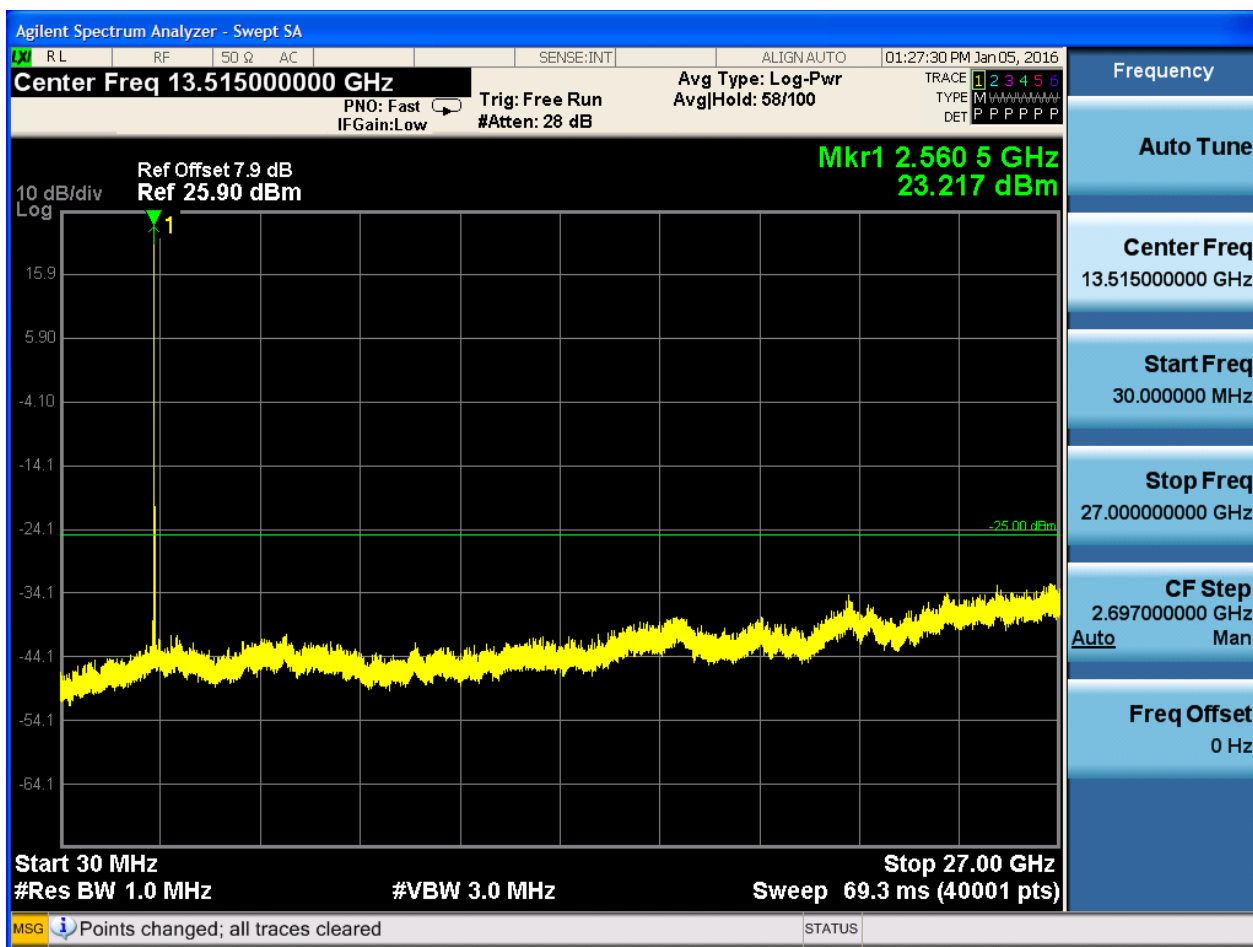


6.1.5.2.2.3 Test Channel = HCH

6.1.5.2.2.3.1 Test RB = RB1#0





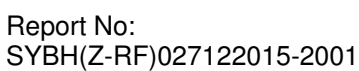
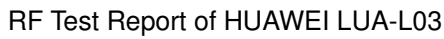


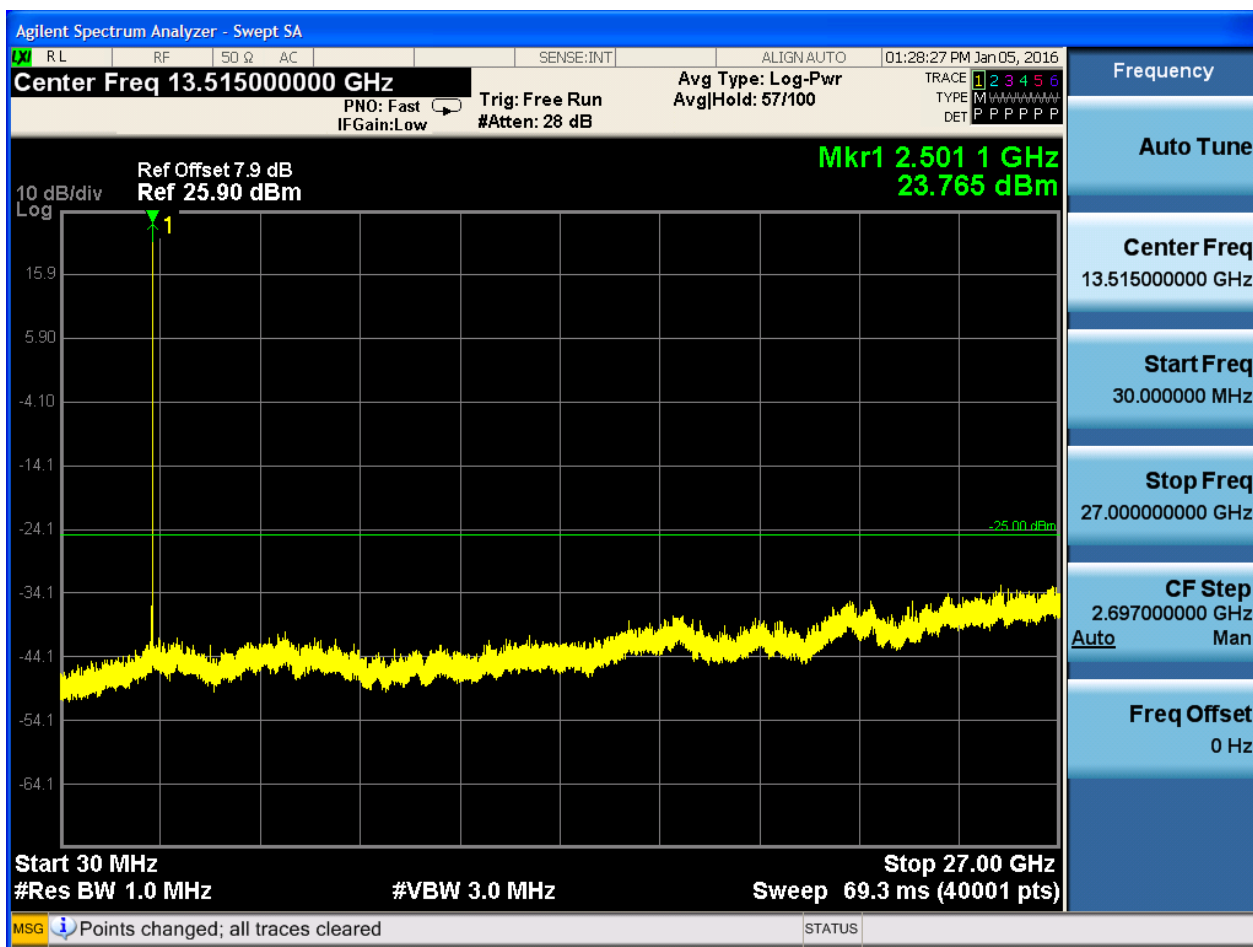
6.1.5.2.3 Test Bandwidth = 15

6.1.5.2.3.1 Test Channel = LCH

6.1.5.2.3.1.1 Test RB = RB1#0



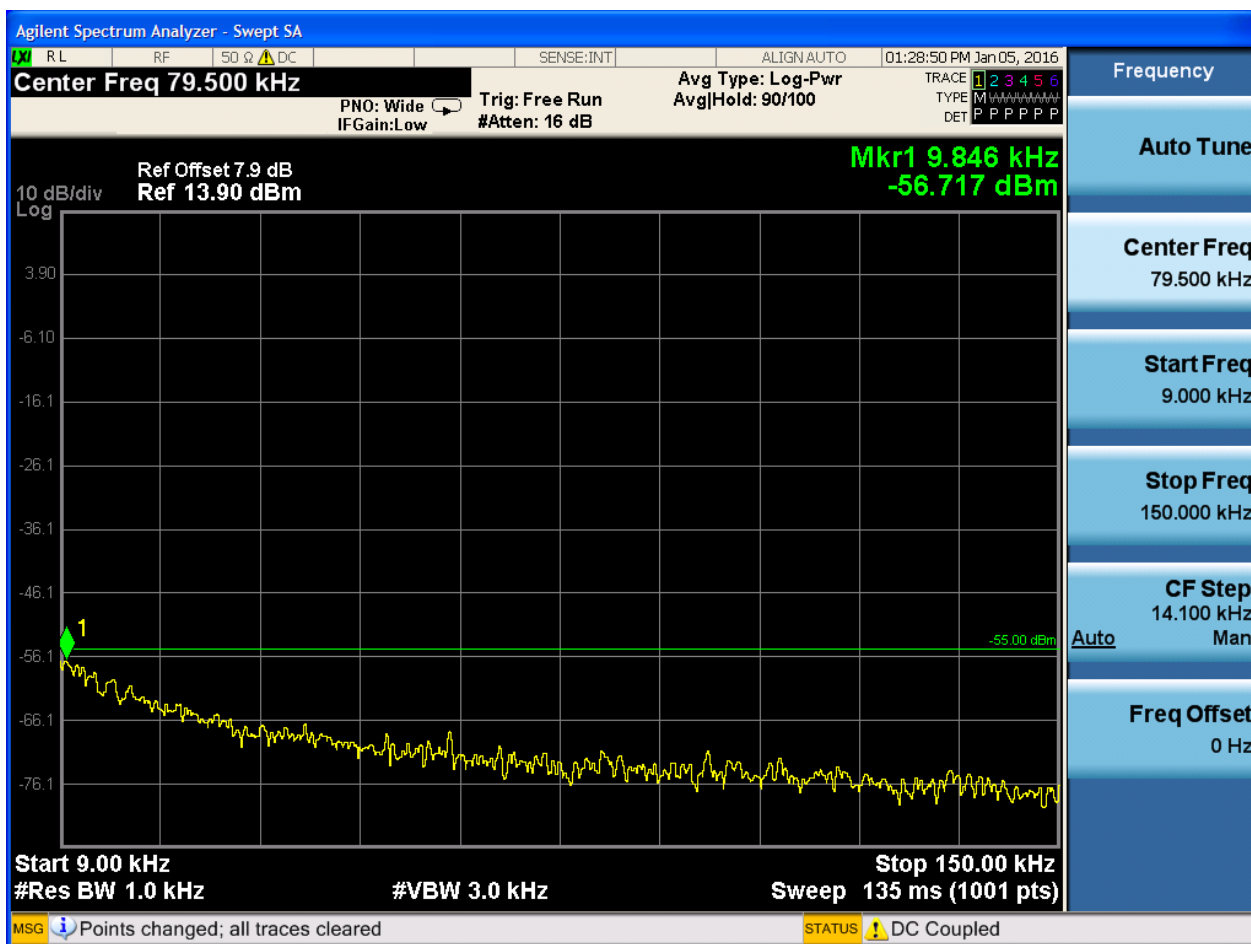


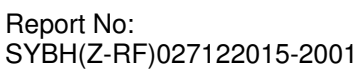
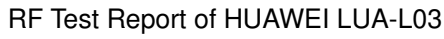


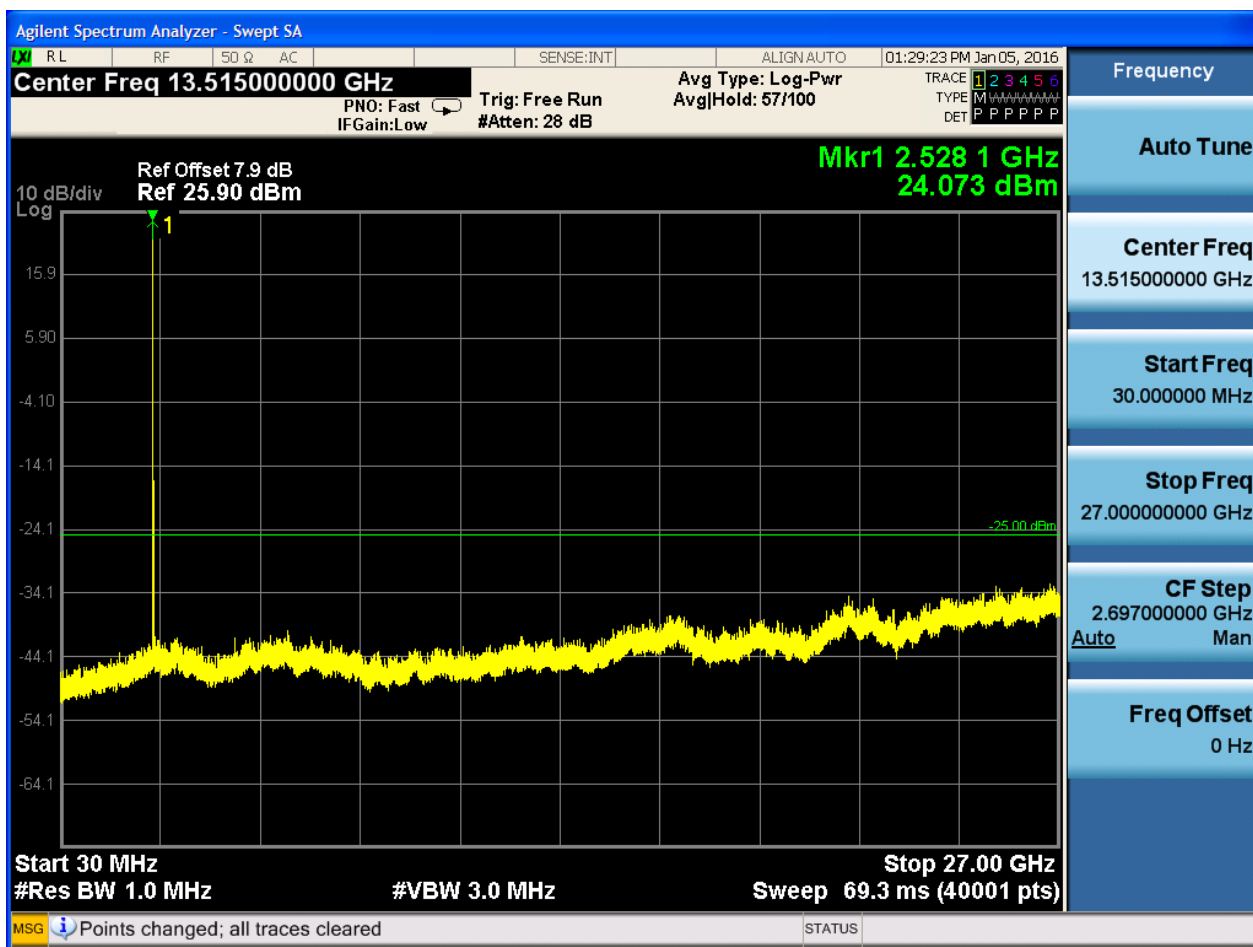


6.1.5.2.3.2 Test Channel = MCH

6.1.5.2.3.2.1 Test RB = RB1#0





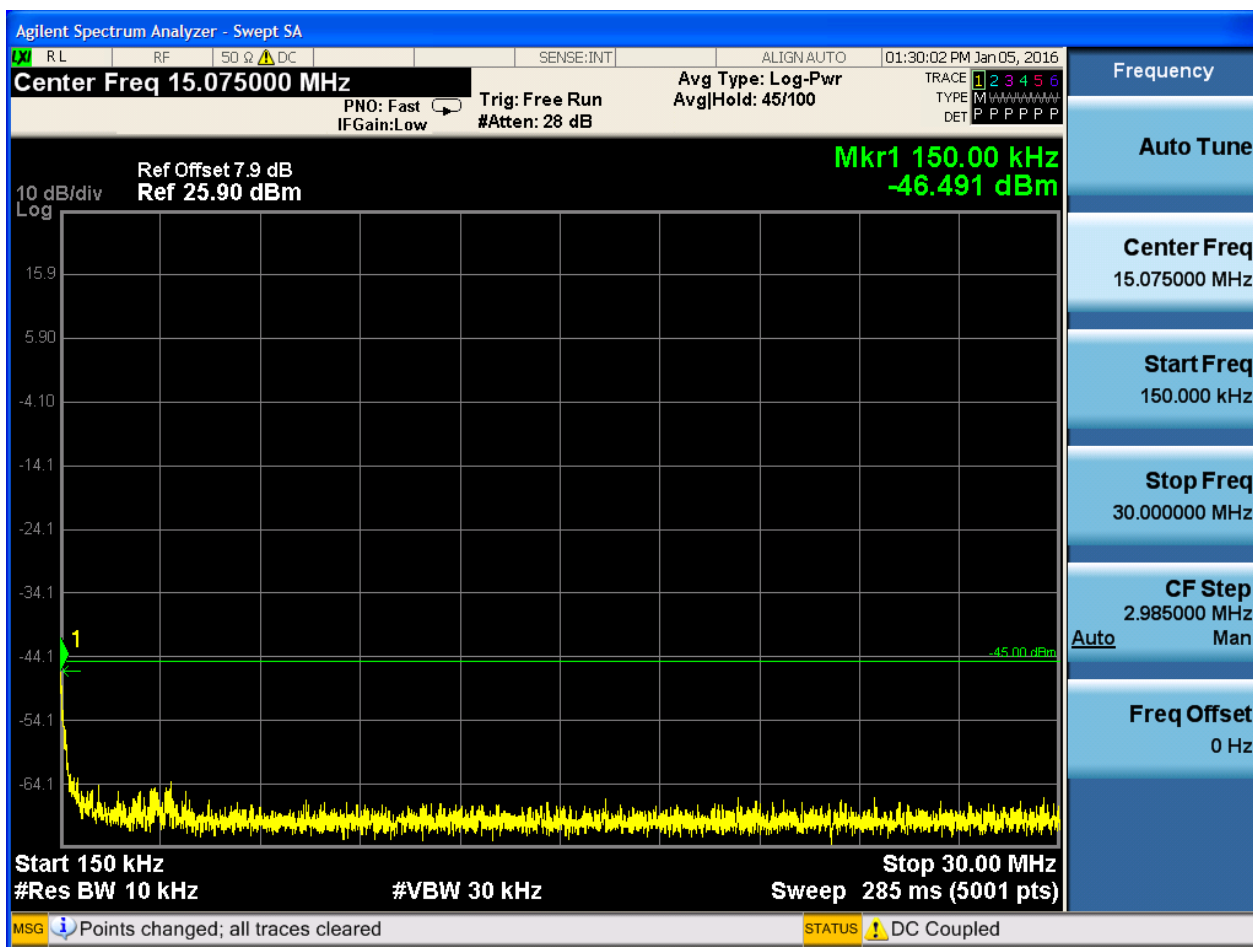


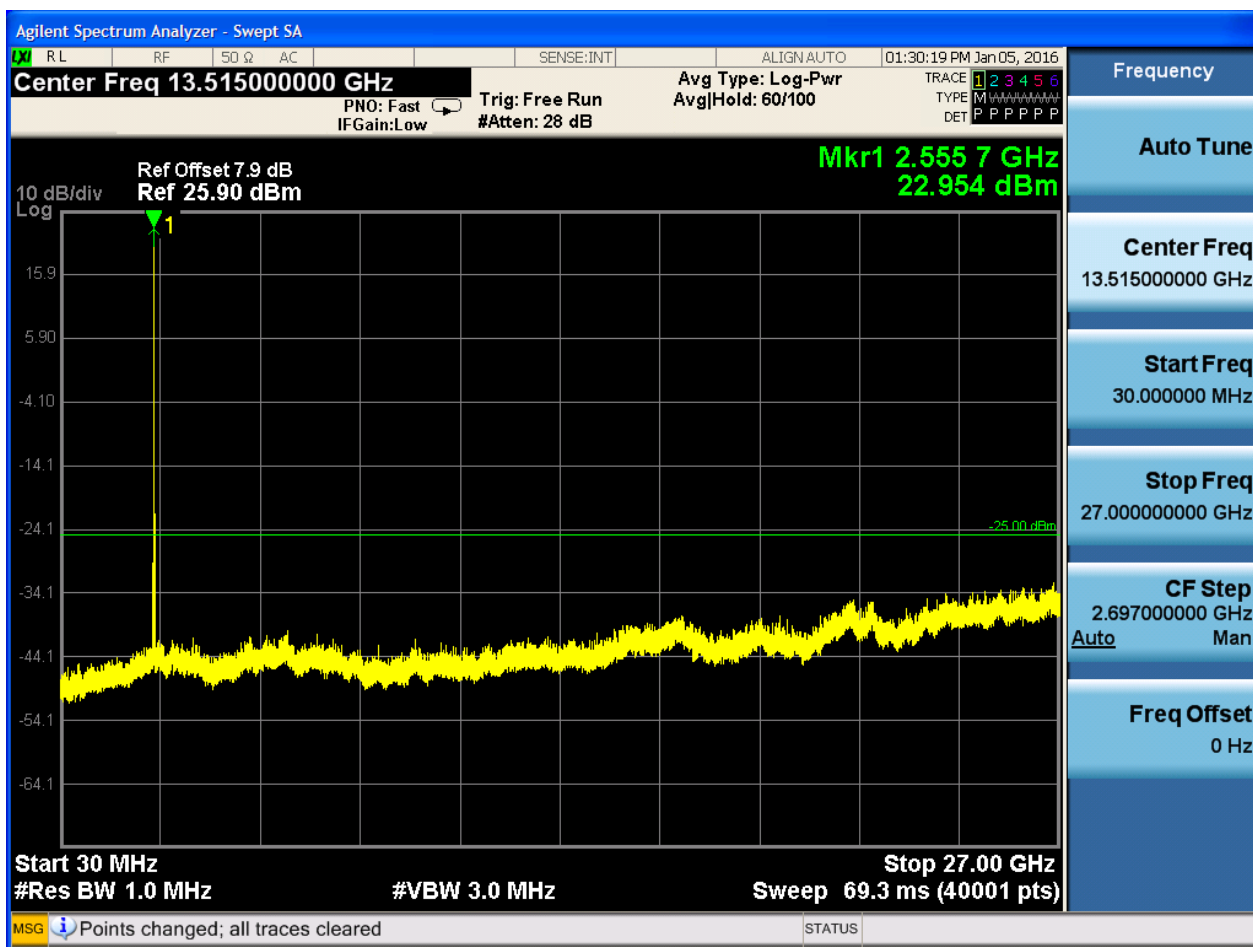


6.1.5.2.3.3 Test Channel = HCH

6.1.5.2.3.3.1 Test RB = RB1#0







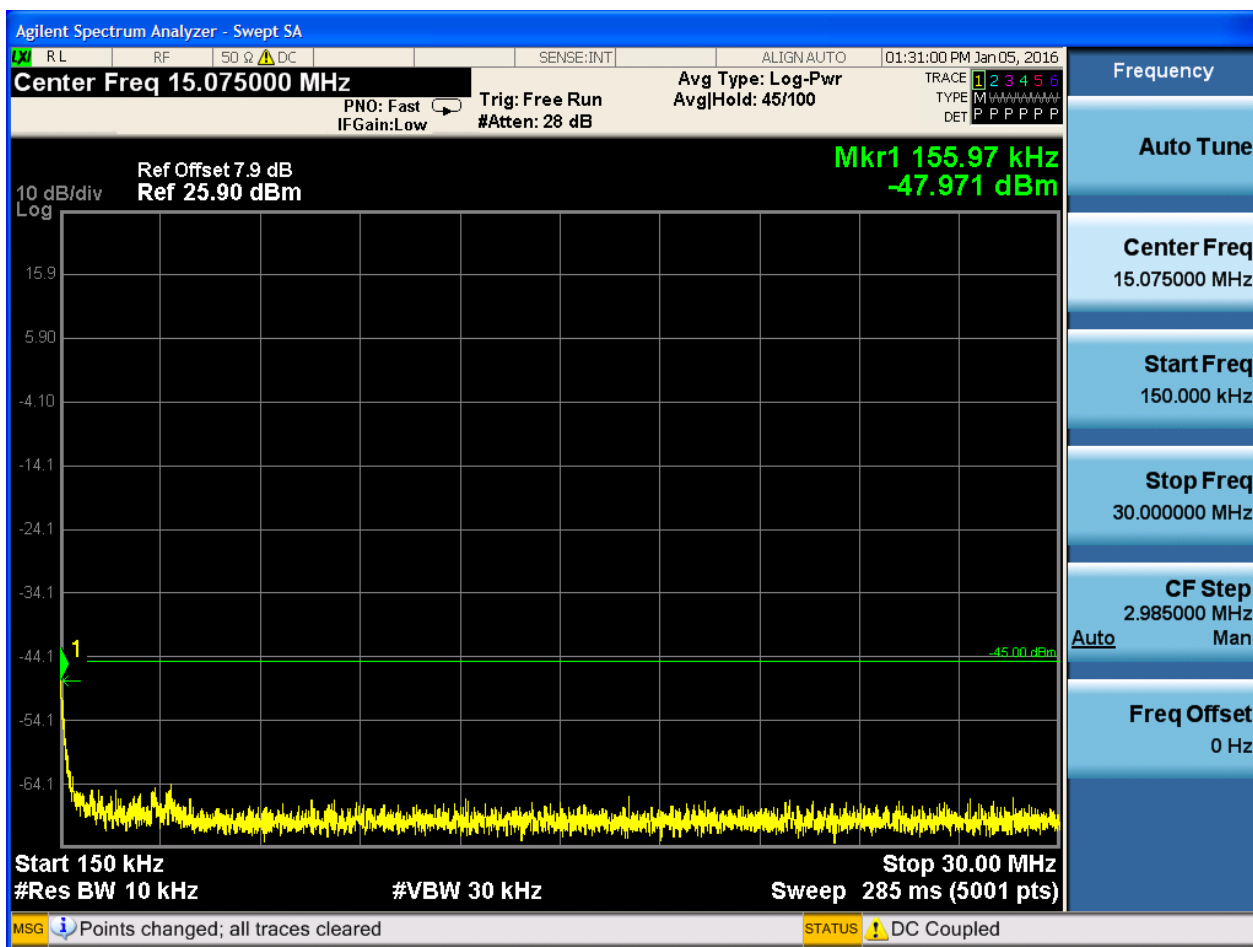


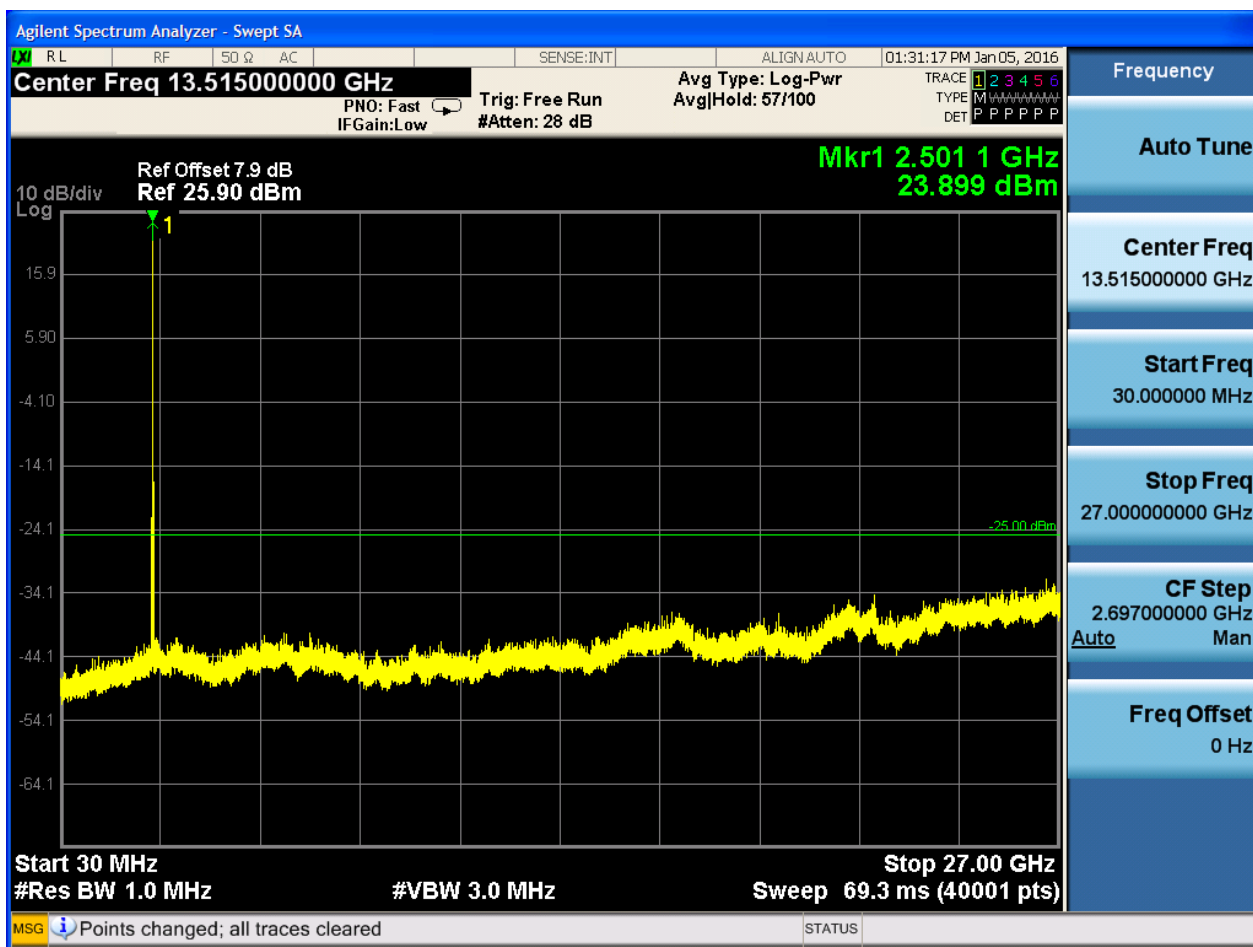
6.1.5.2.4 Test Bandwidth = 20

6.1.5.2.4.1 Test Channel = LCH

6.1.5.2.4.1.1 Test RB = RB1#0





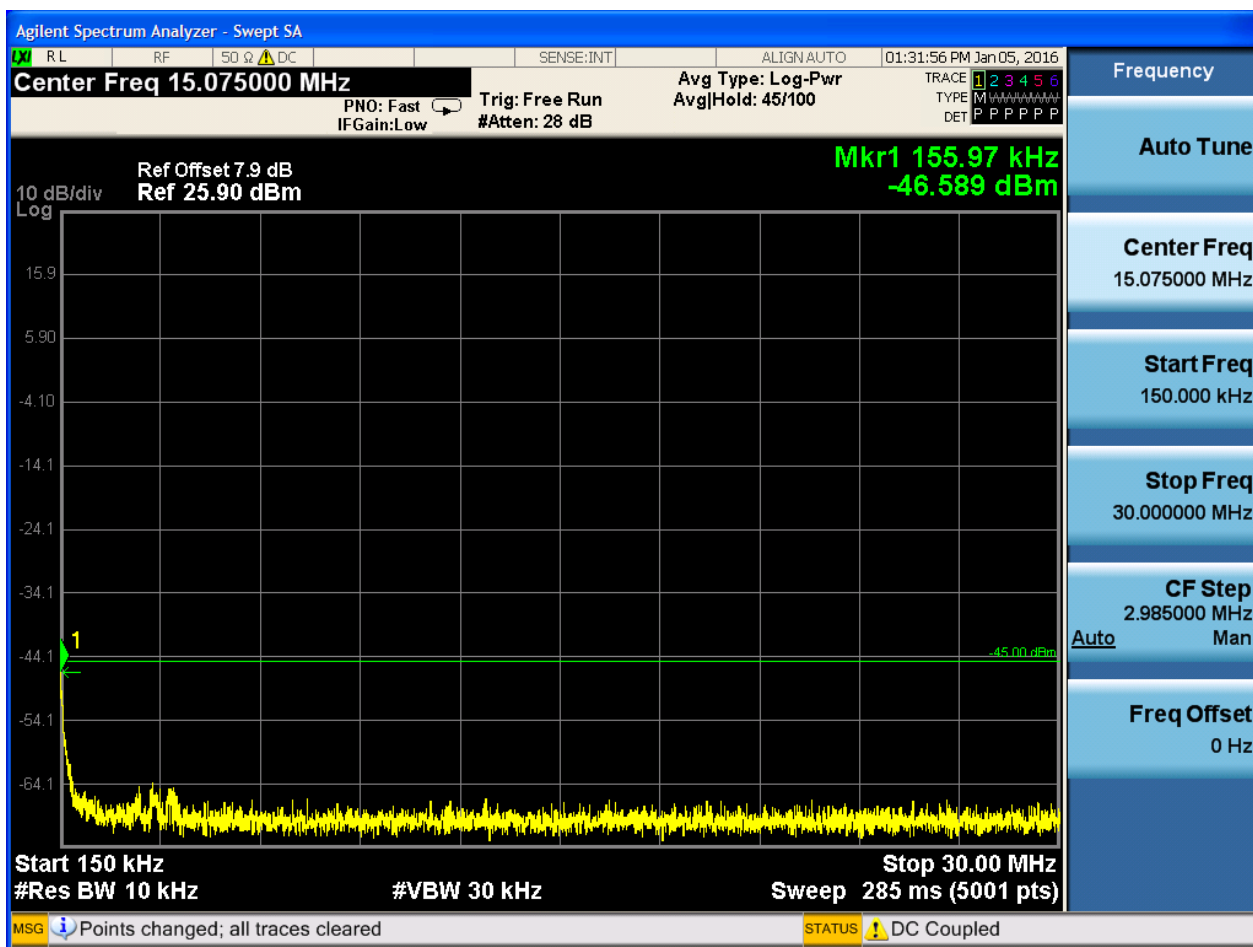


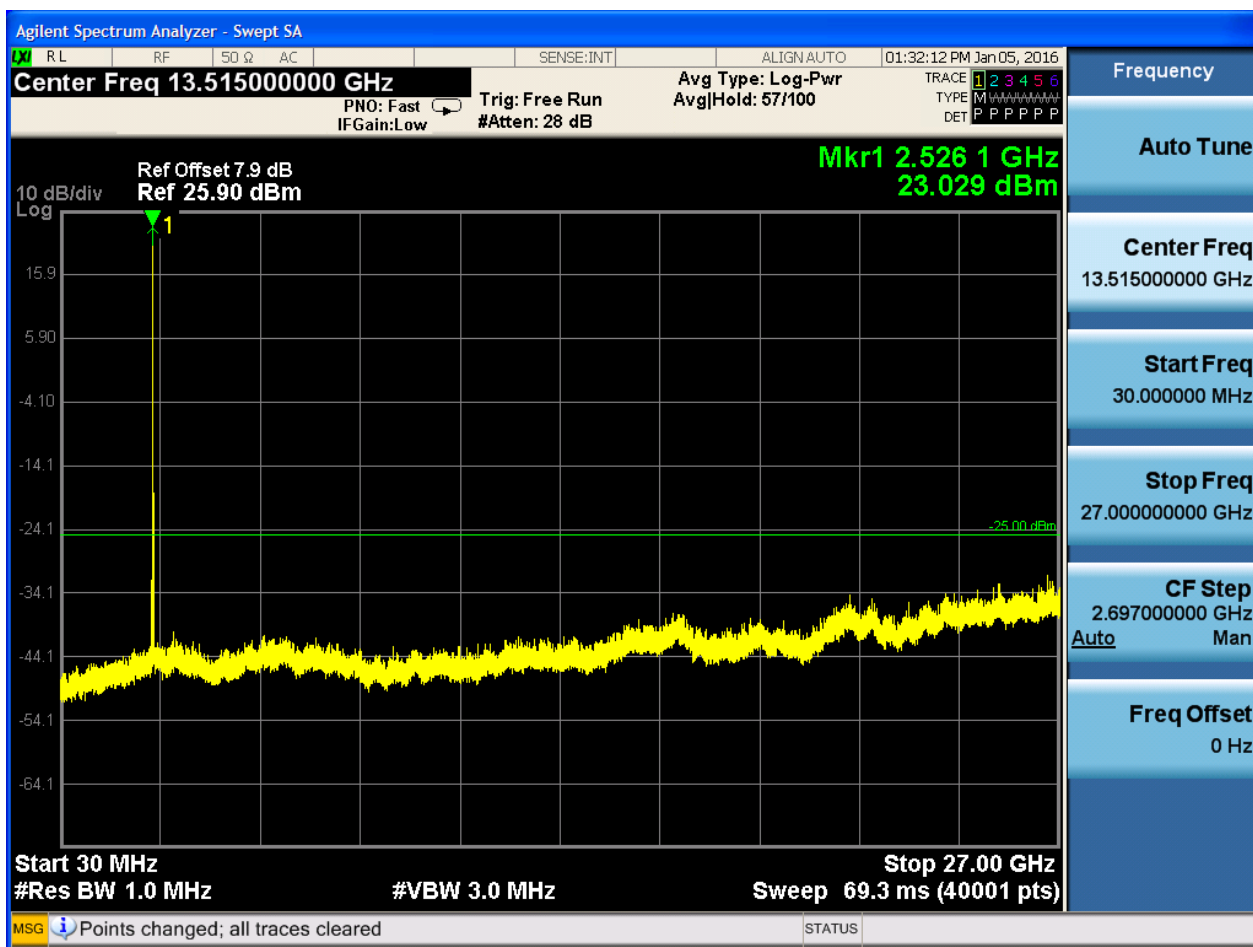


6.1.5.2.4.2 Test Channel = MCH

6.1.5.2.4.2.1 Test RB = RB1#0



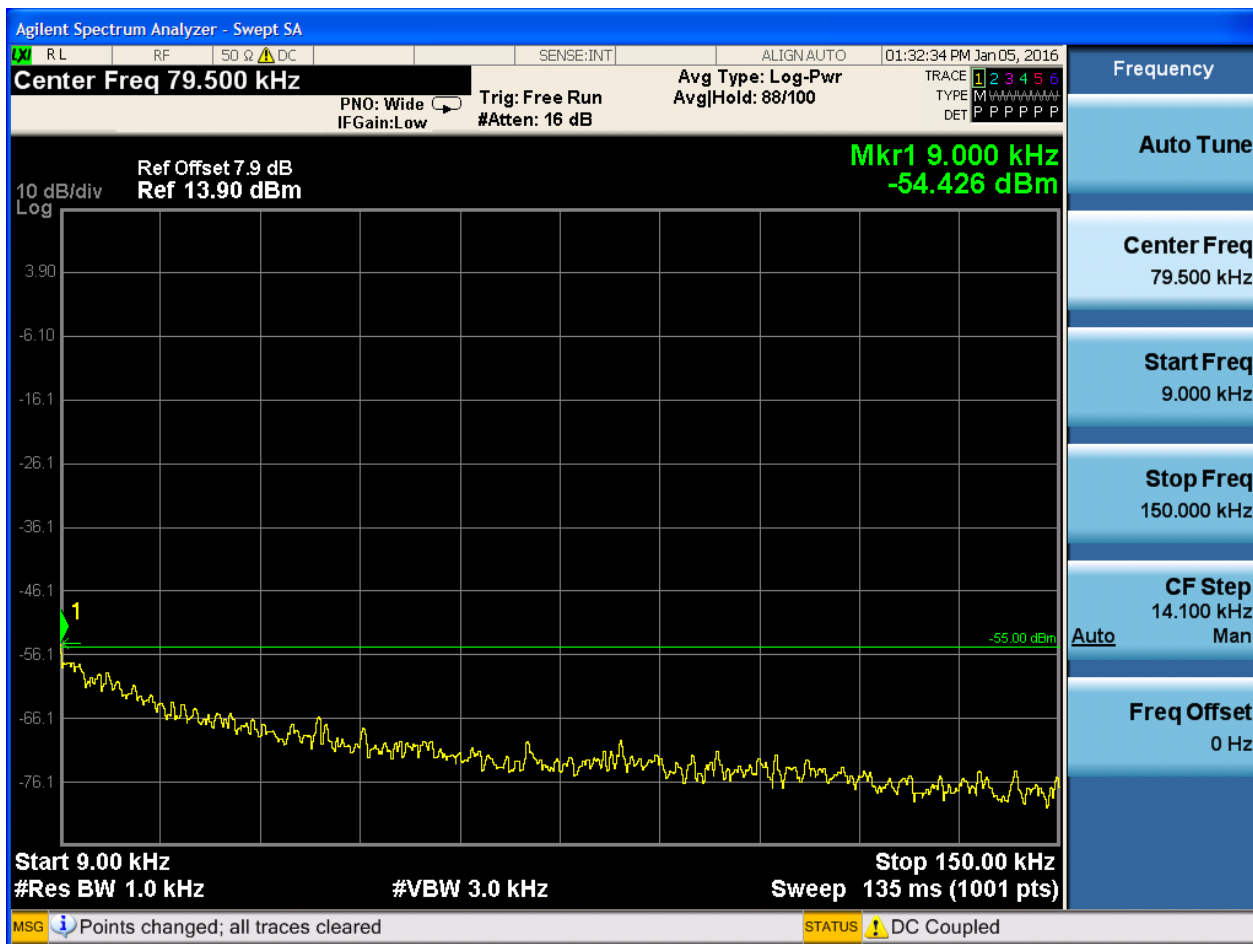


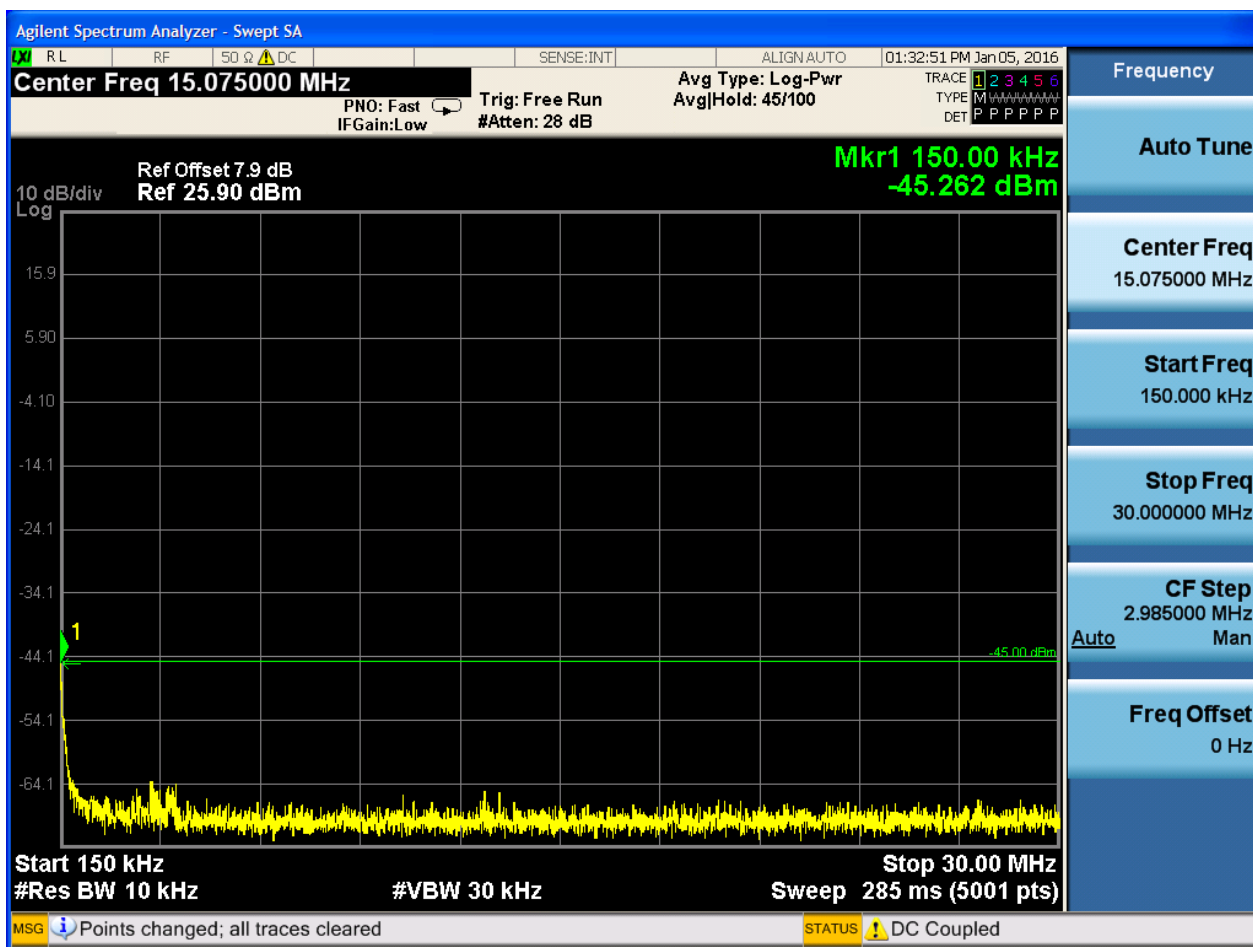




6.1.5.2.4.3 Test Channel = HCH

6.1.5.2.4.3.1 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

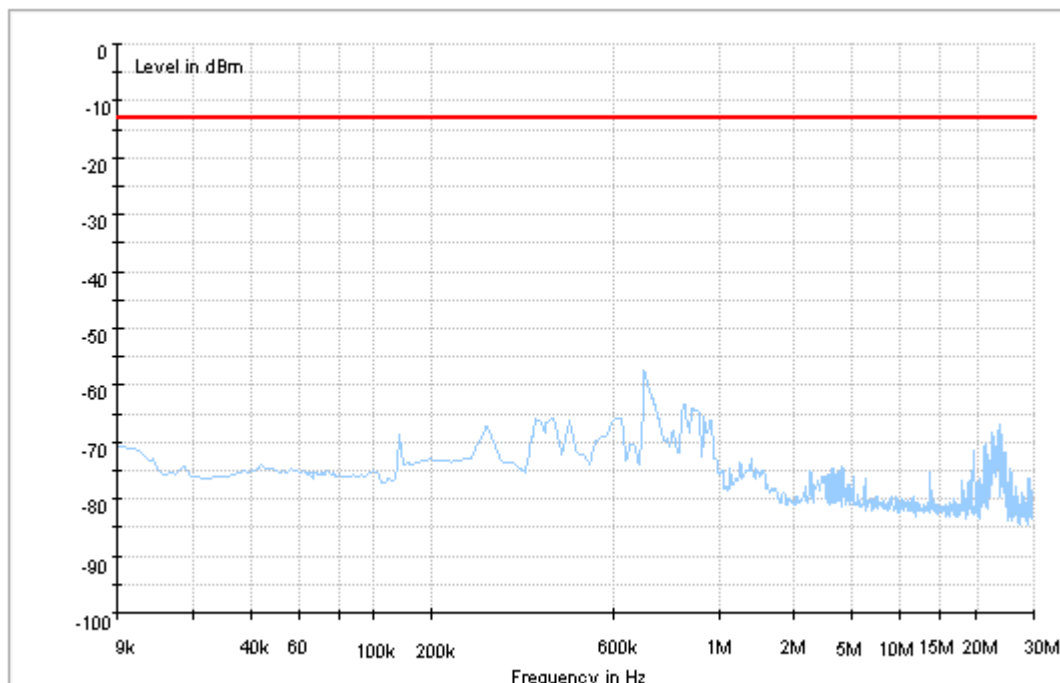
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

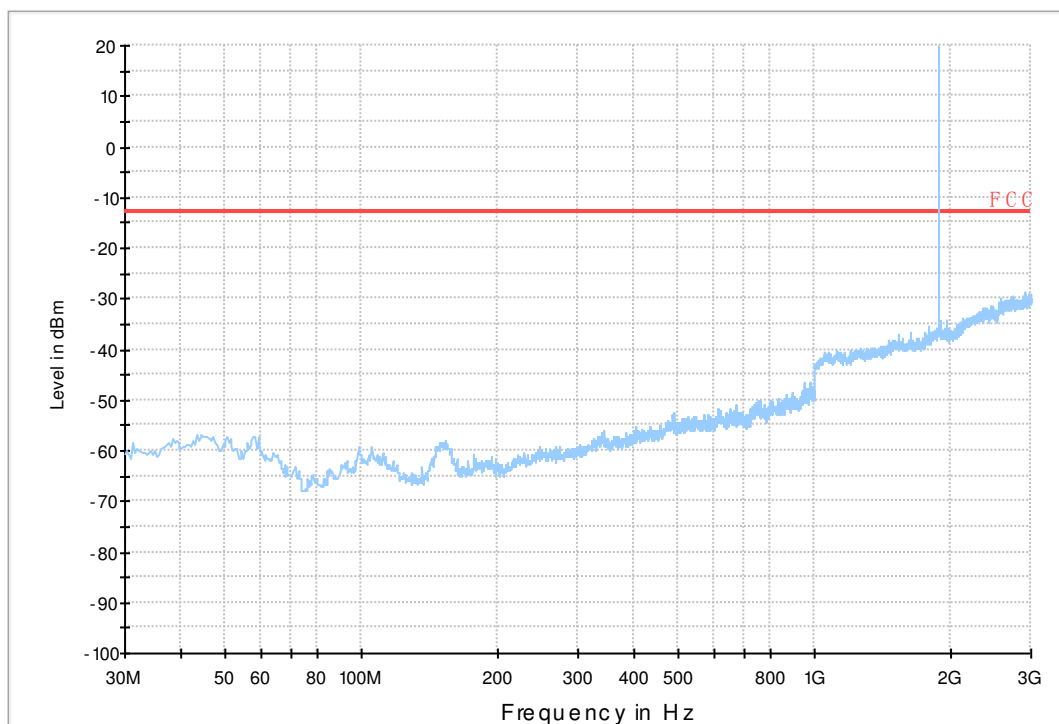
7.1 For LTE

7.1.1 Test Band = BAND2

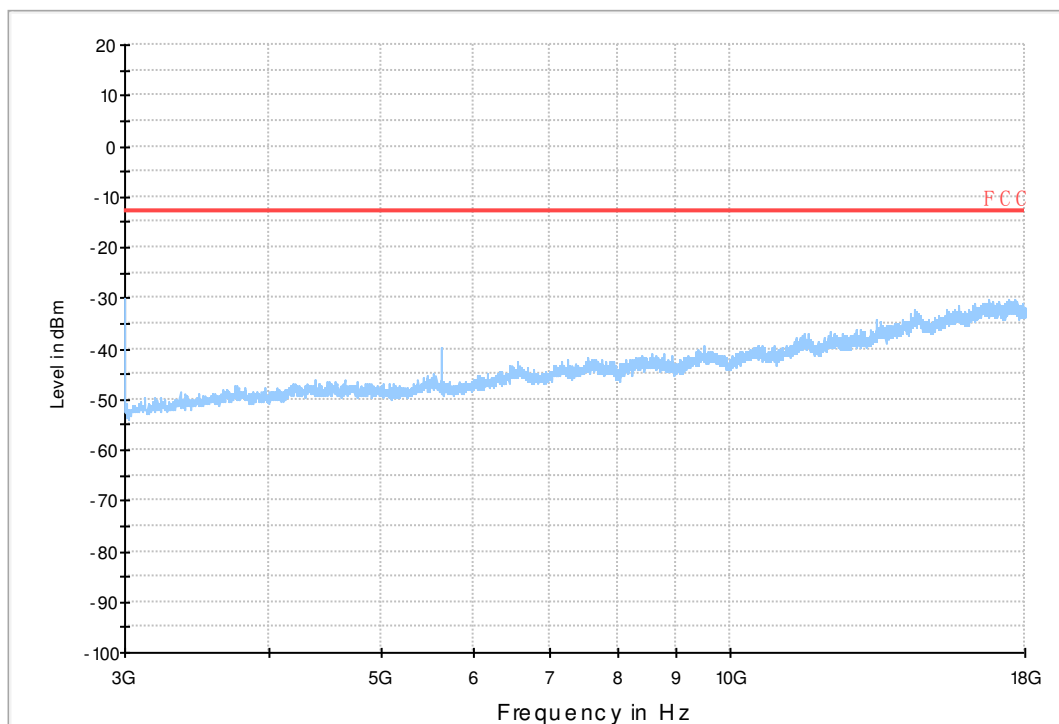
7.1.1.1 Test Bandwidth = 1.4

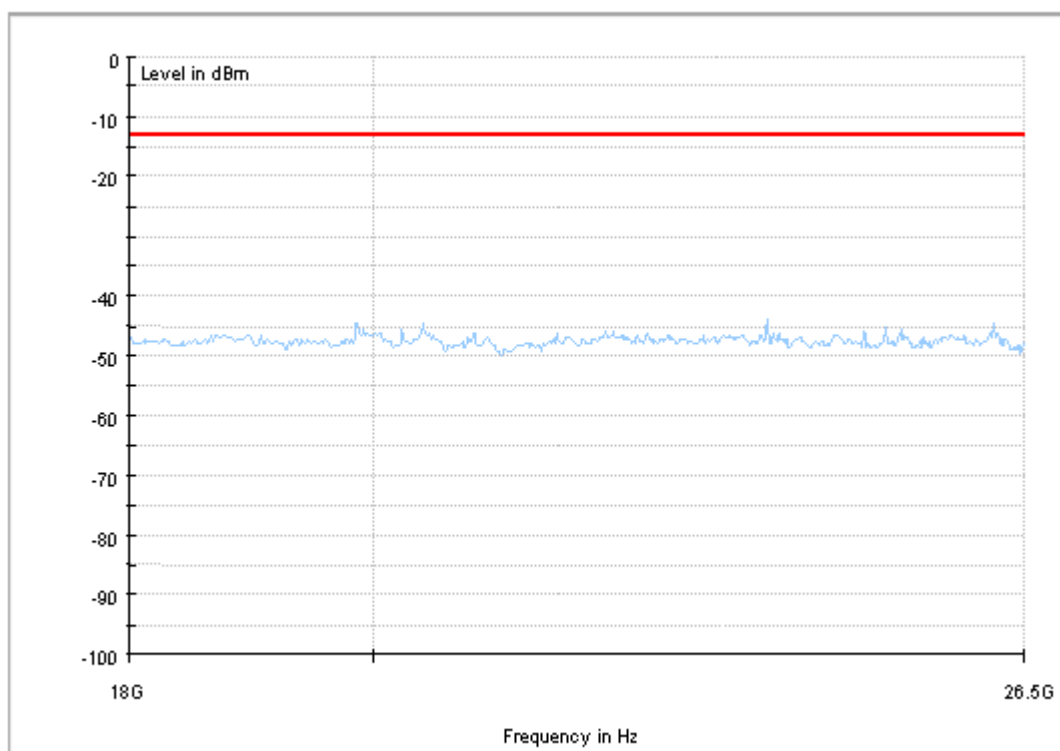


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

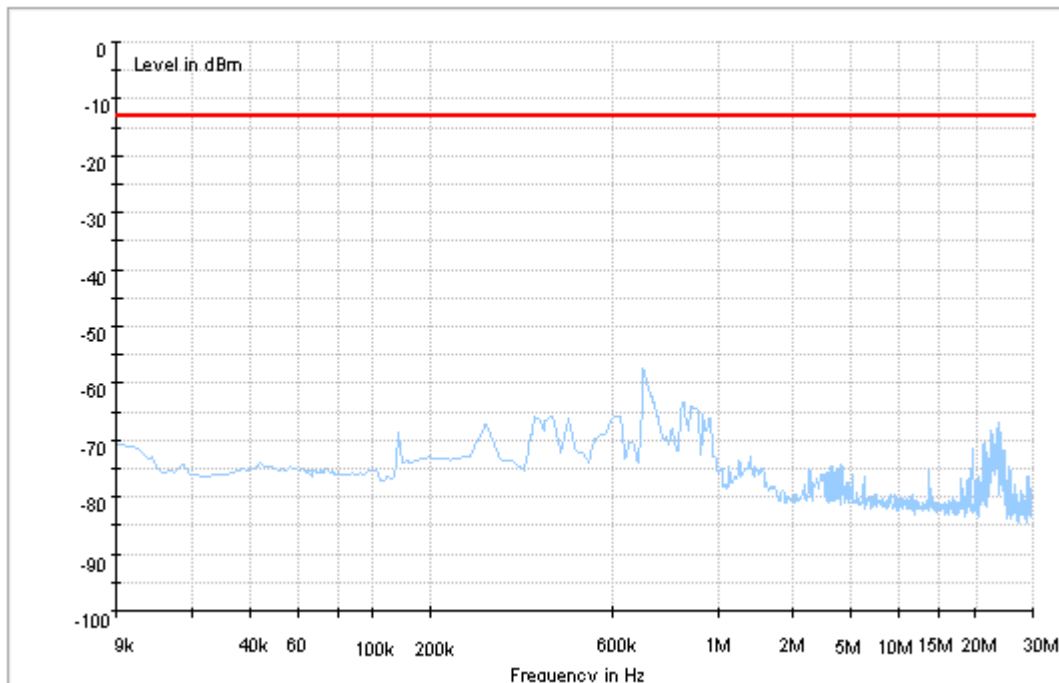


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

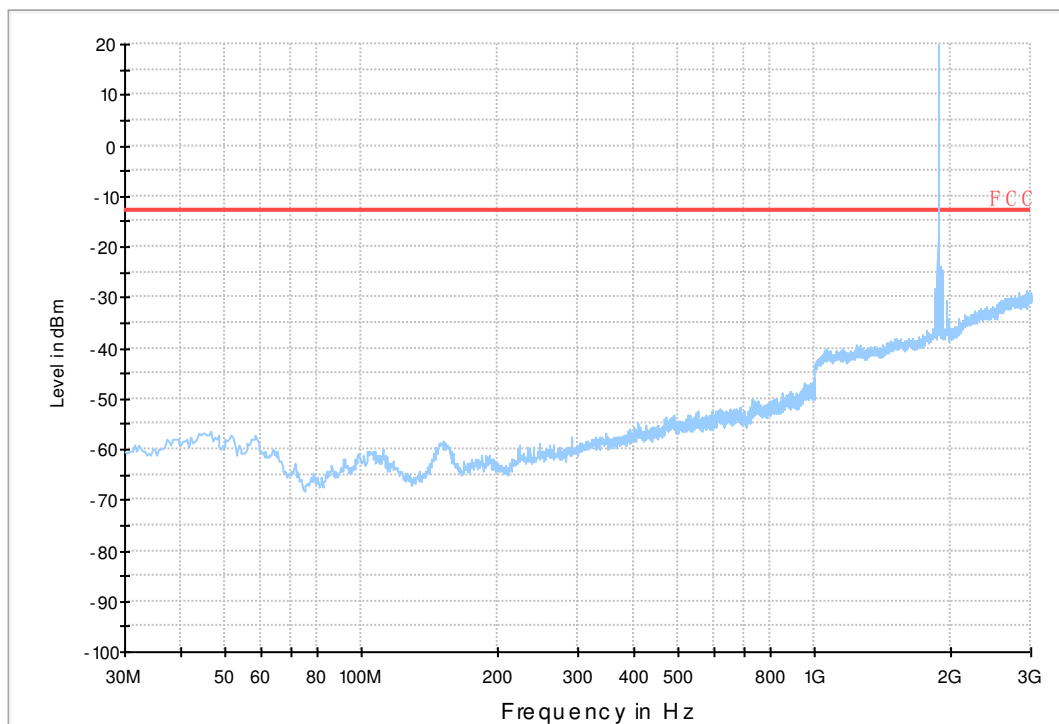




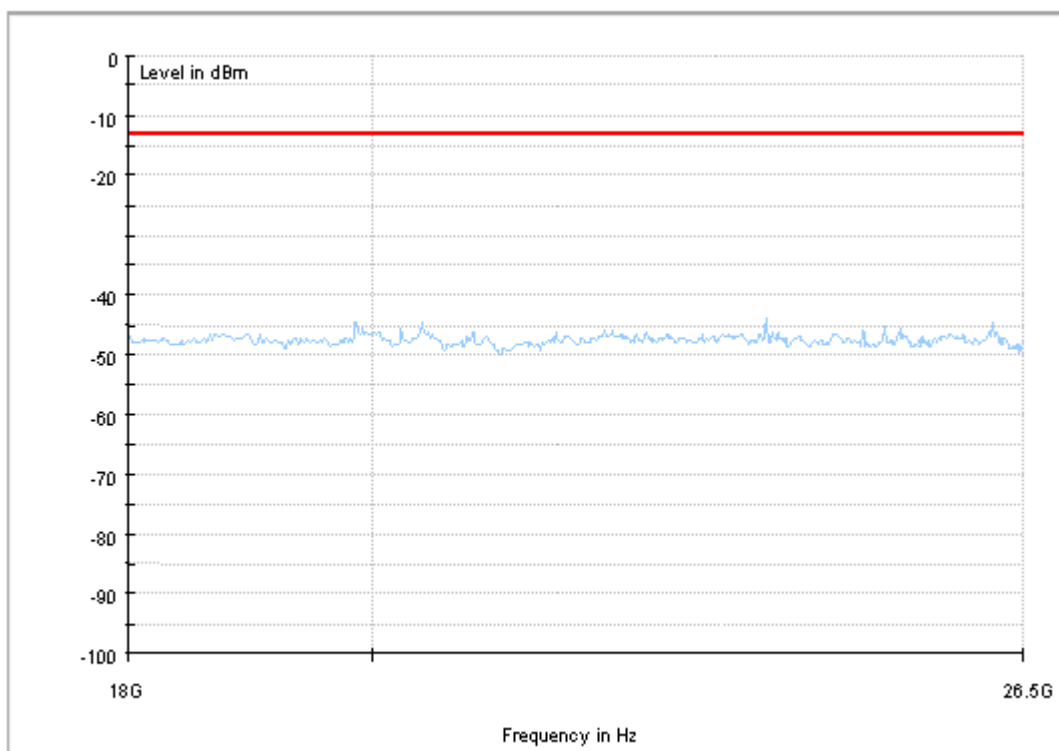
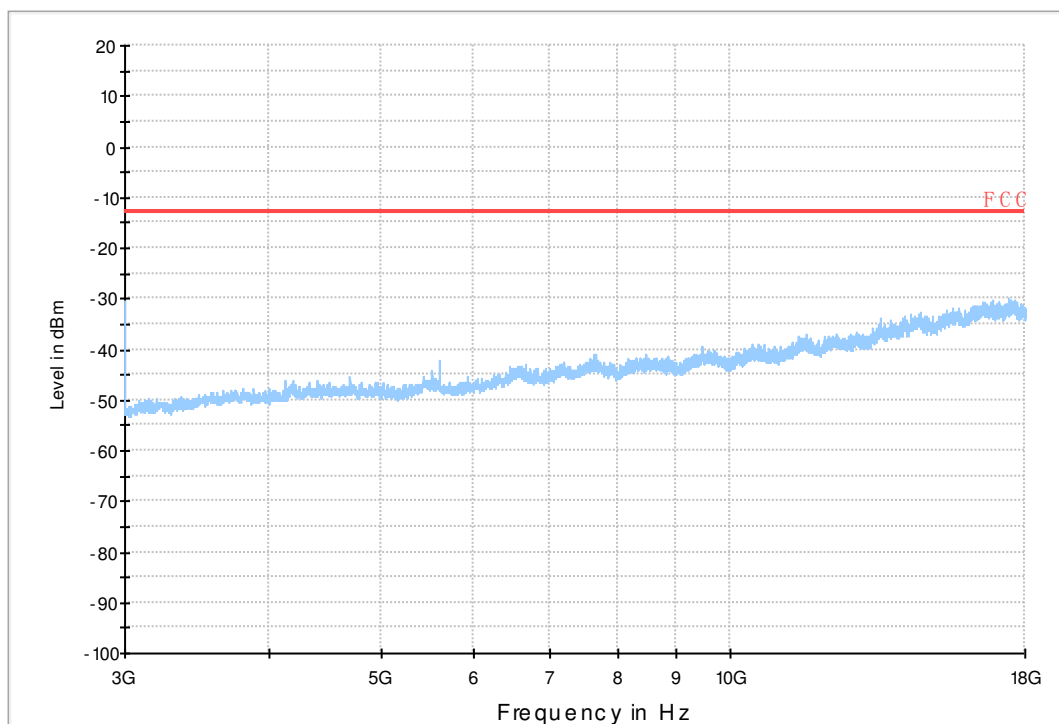
7.1.1.2 Test Bandwidth = 20



Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L

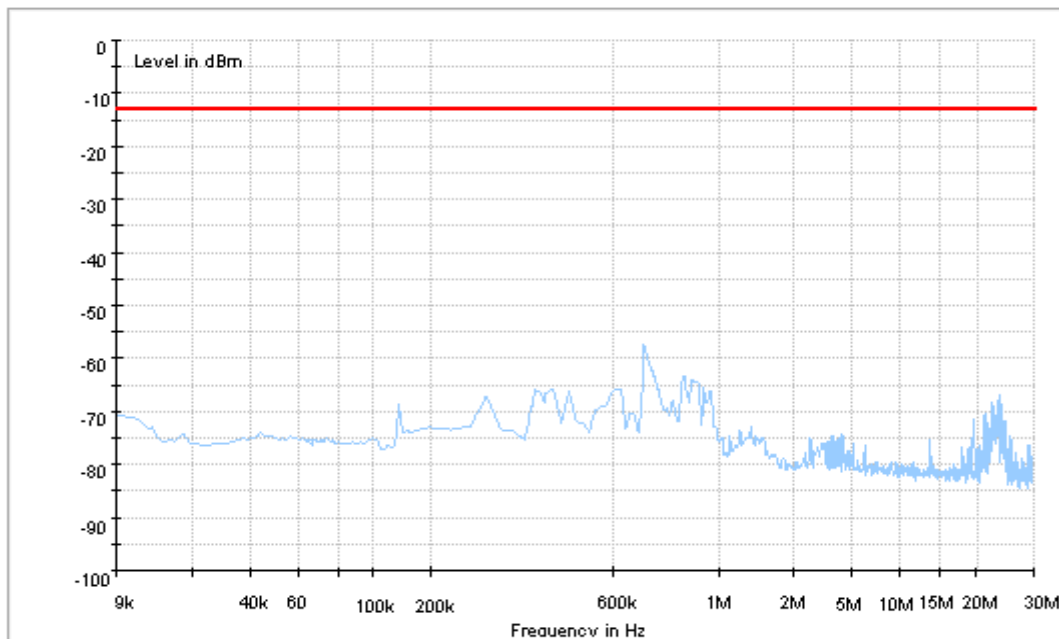


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

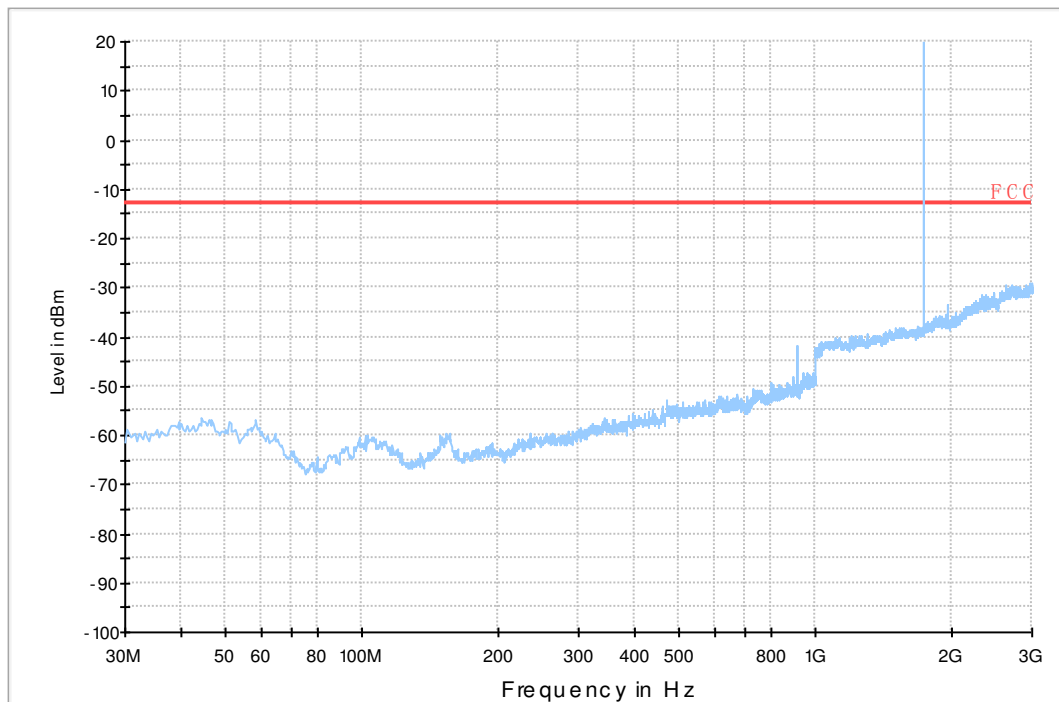


7.1.2 Test Band = BAND4

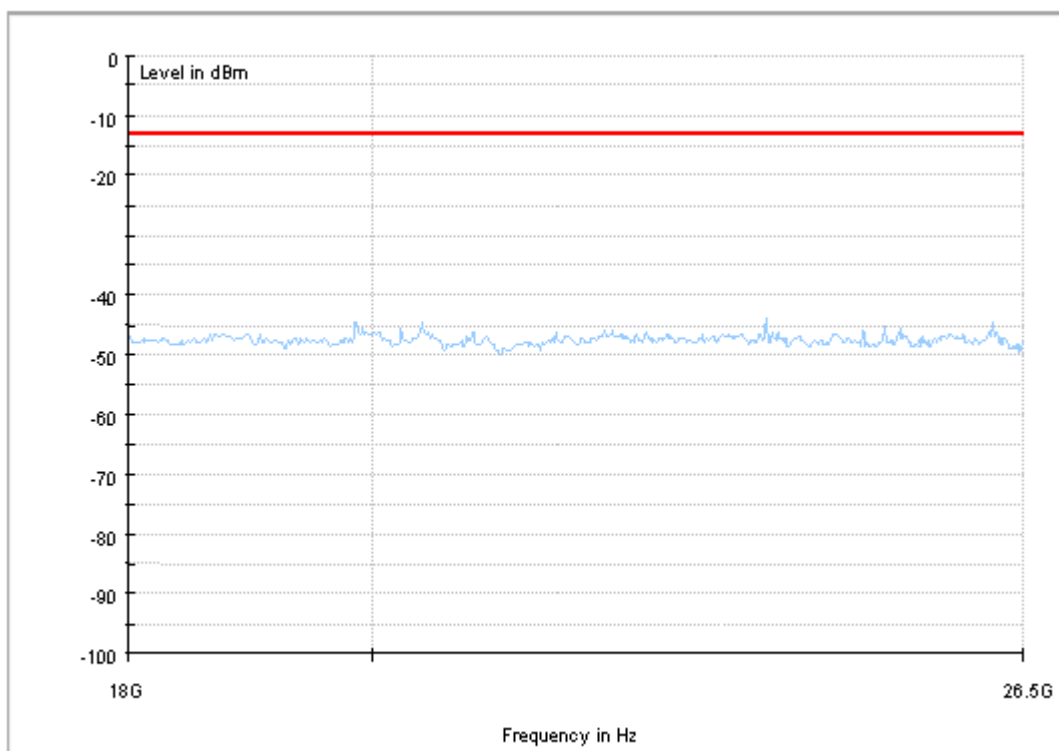
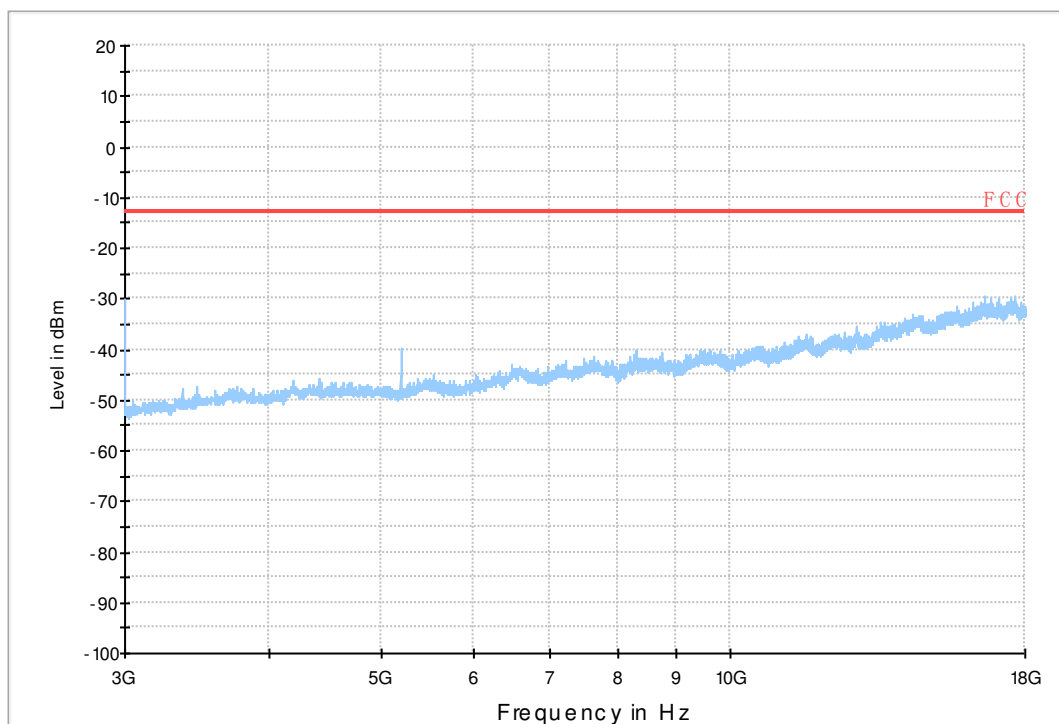
7.1.2.1 Test Bandwidth = 1.4



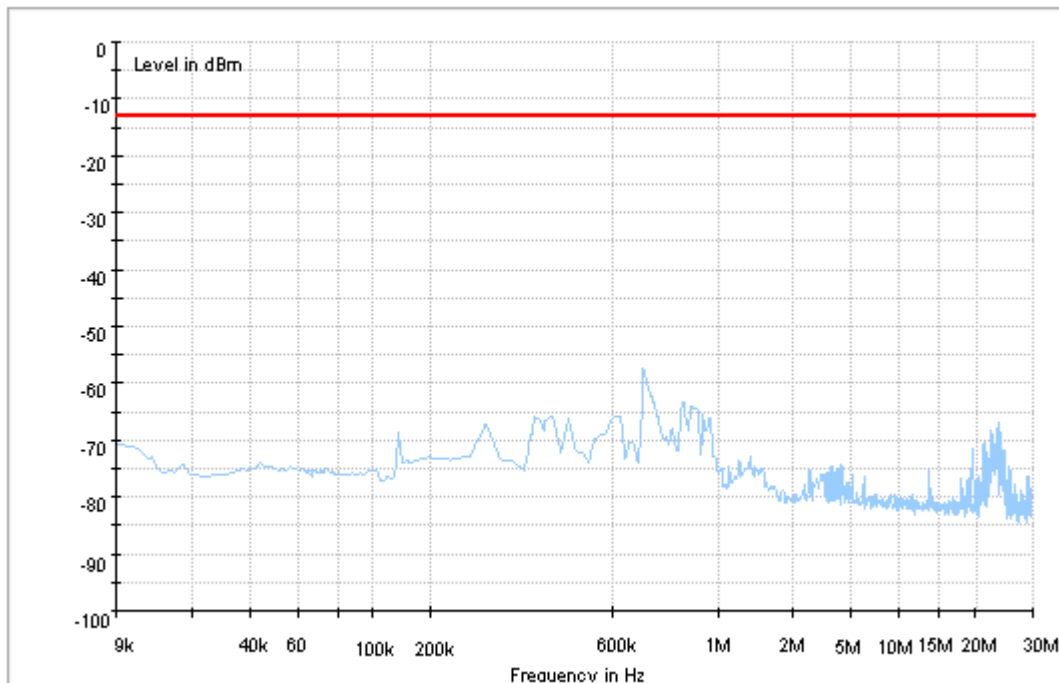
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



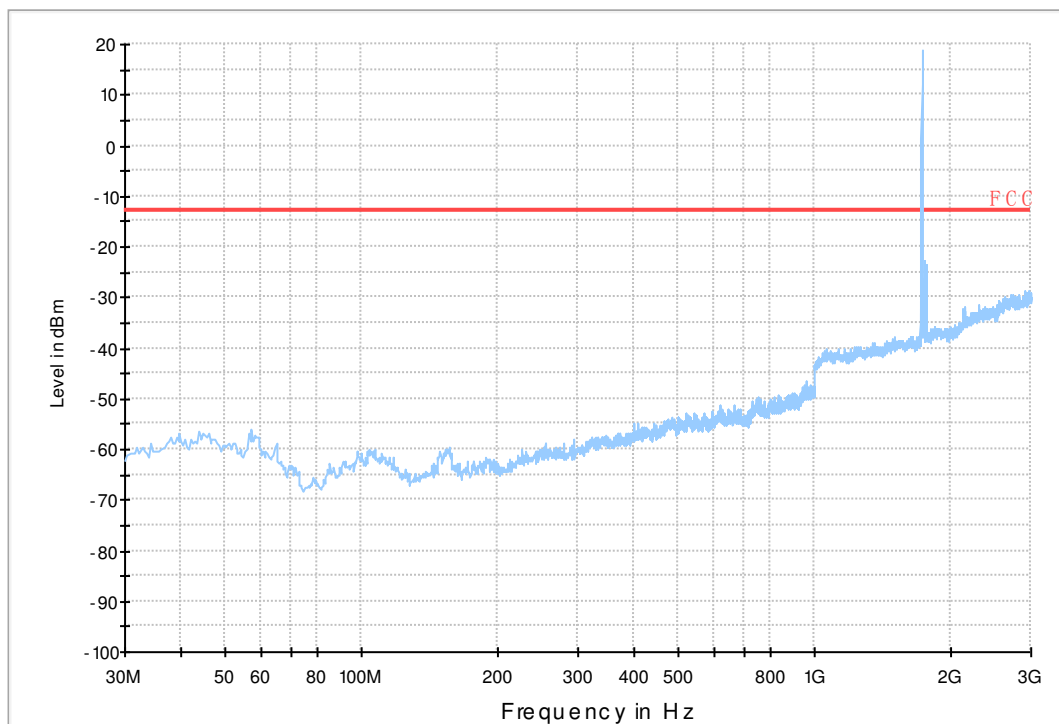
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H



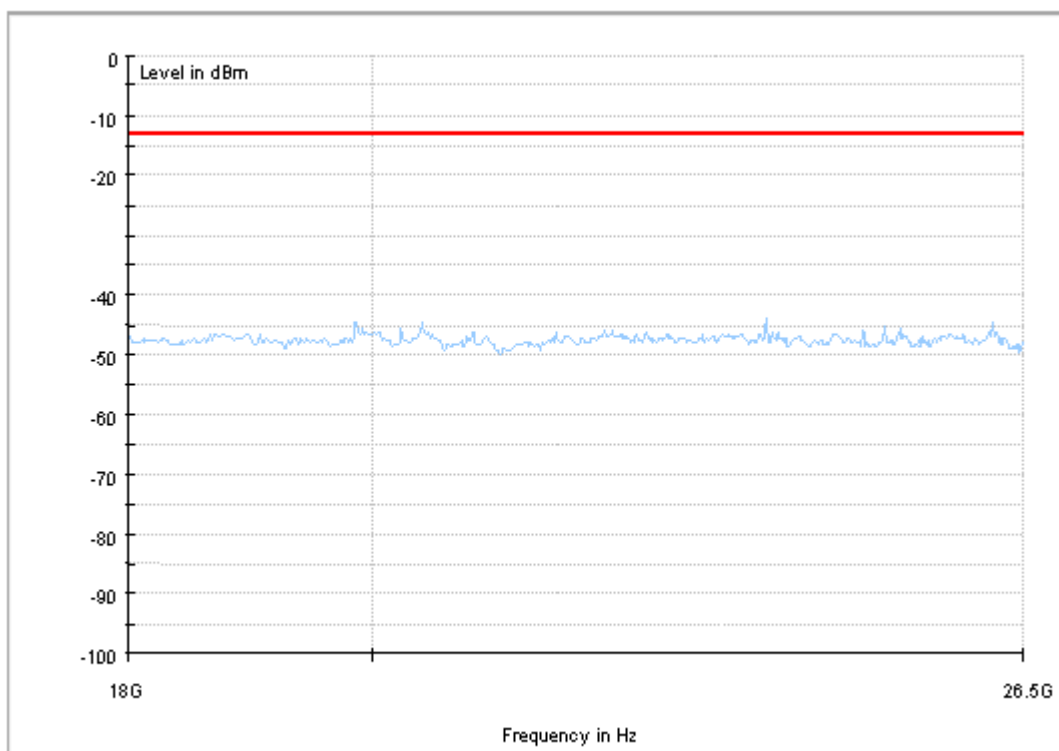
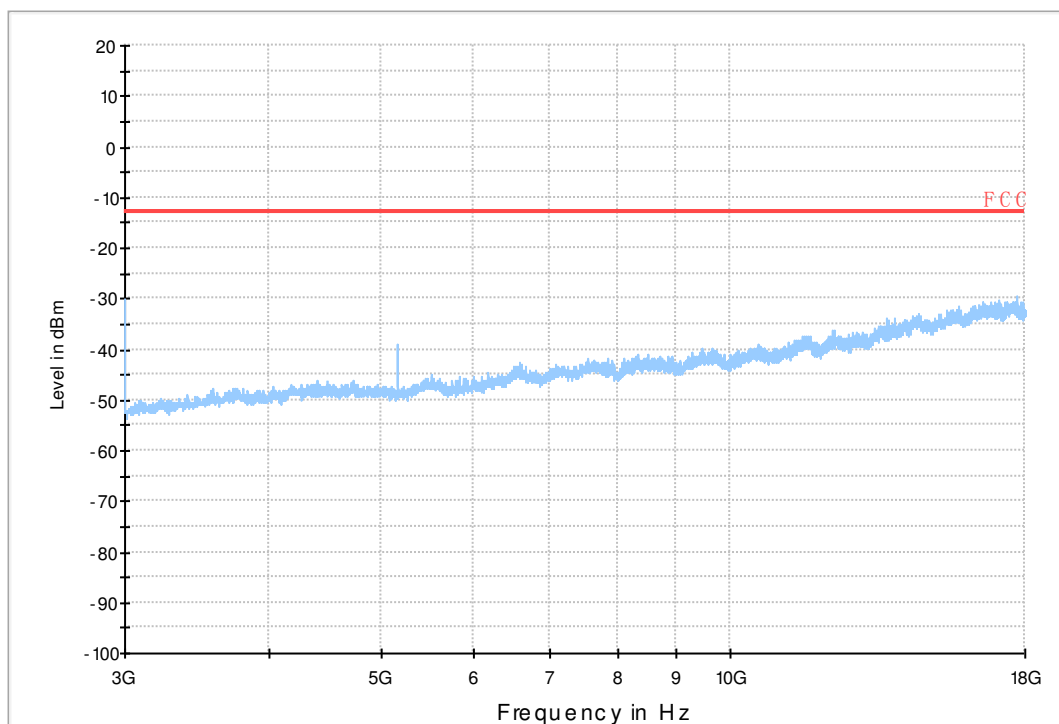
7.1.2.2 Test Bandwidth = 20



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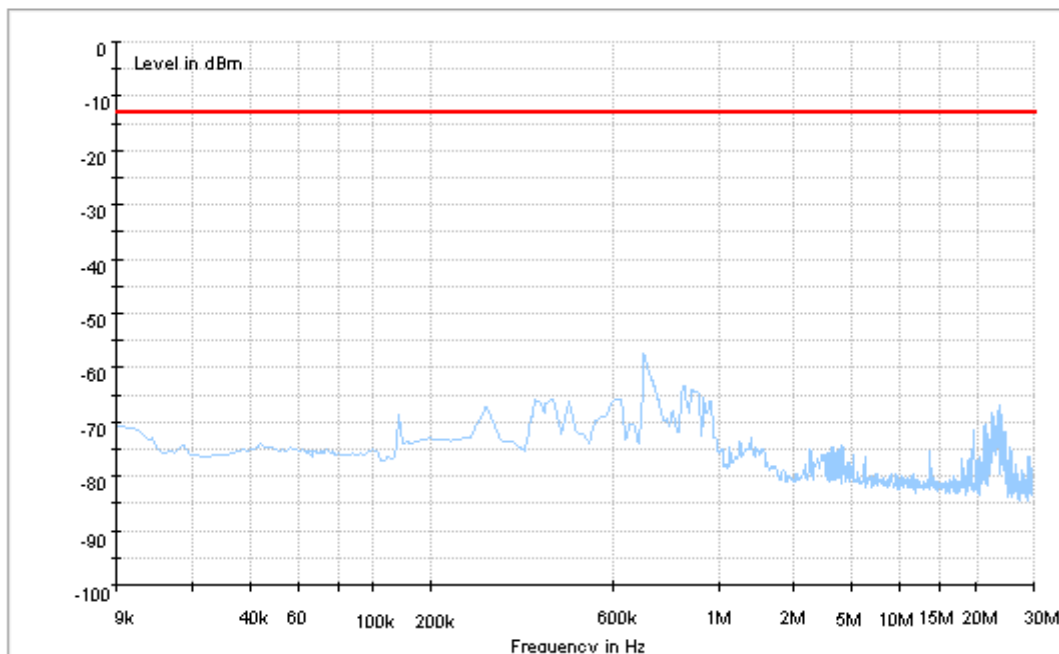


Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H

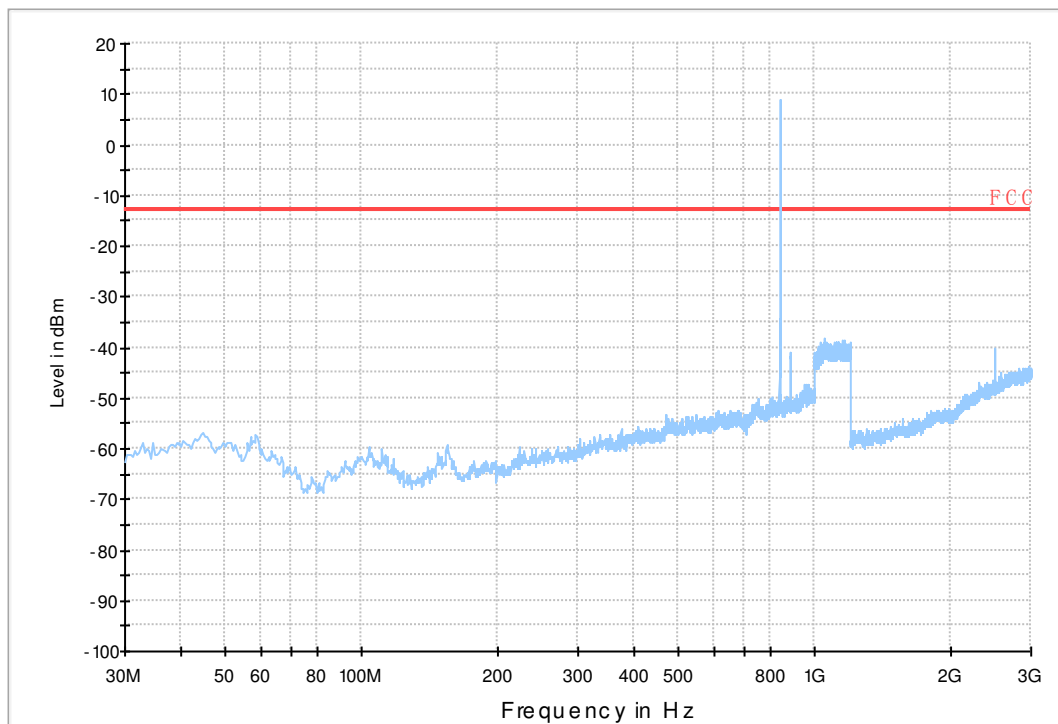


7.1.3 Test Band = BAND5

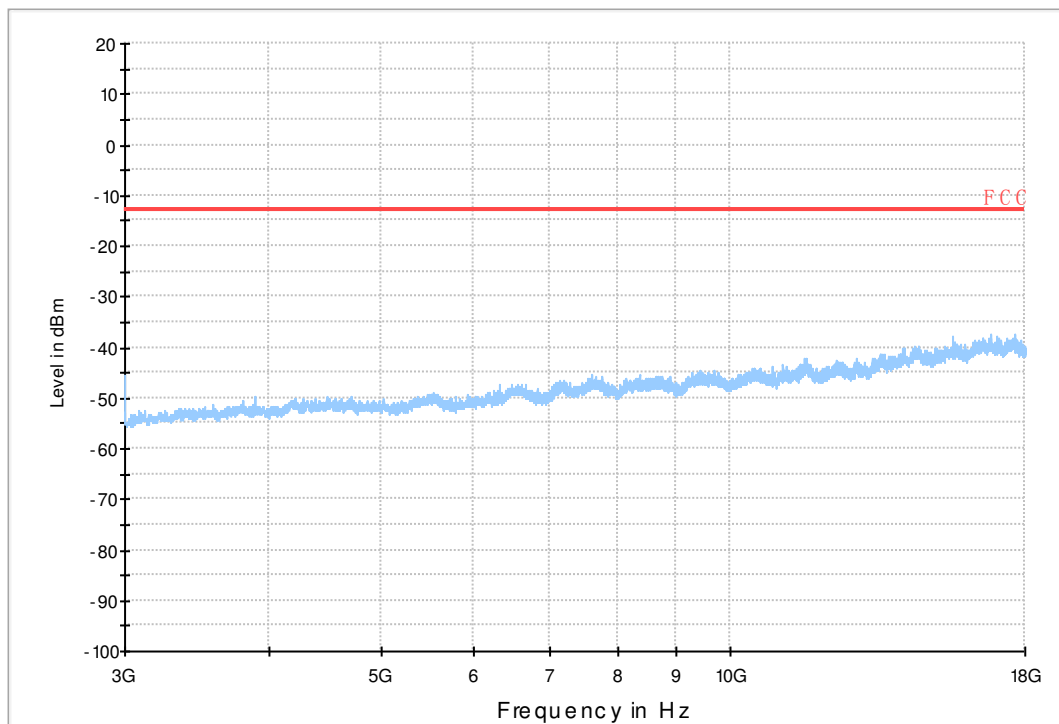
7.1.3.1 Test Bandwidth = 1.4



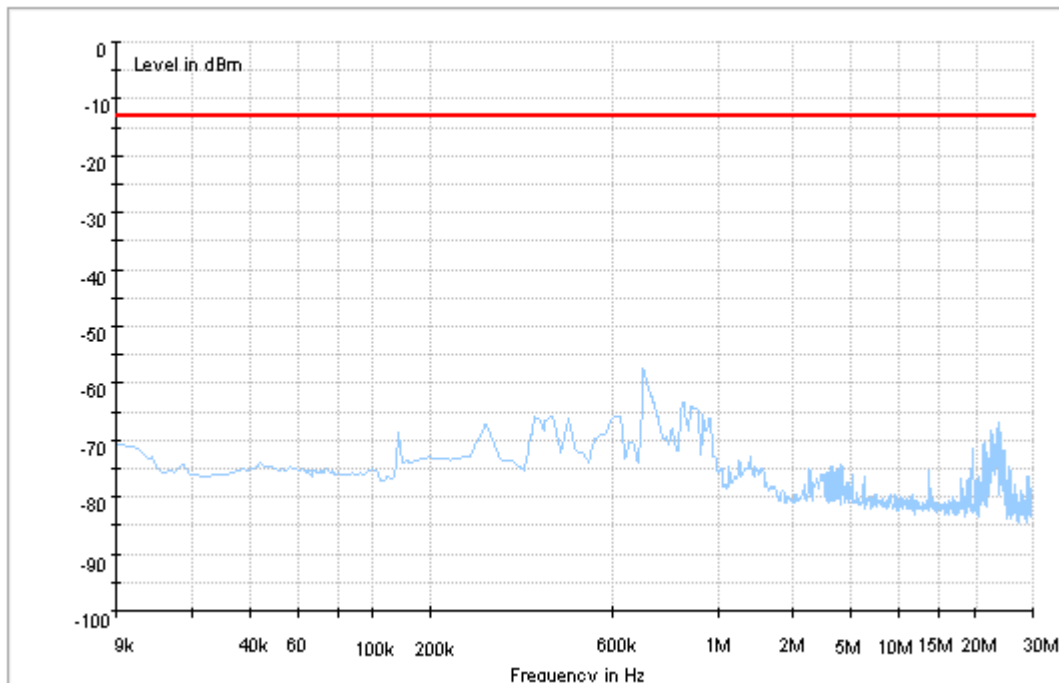
Copy of RSE-TX-DIRECTOR BELOW 1G_L



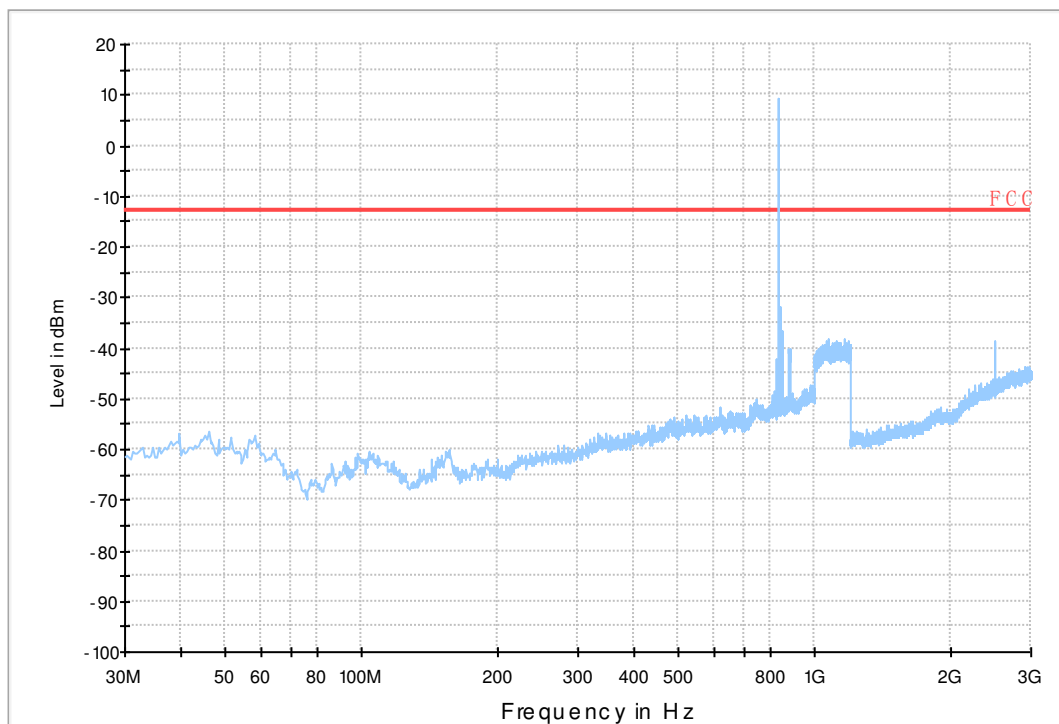
Copy of RSE-TX-DIRECTOR BELOW 1G_H



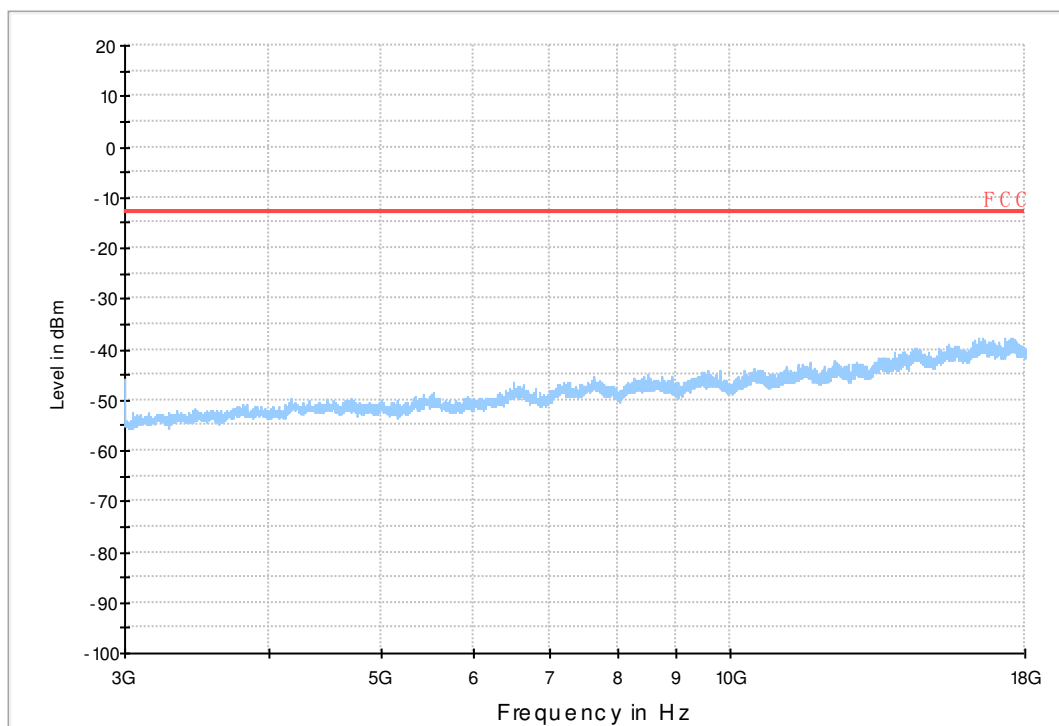
7.1.3.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L

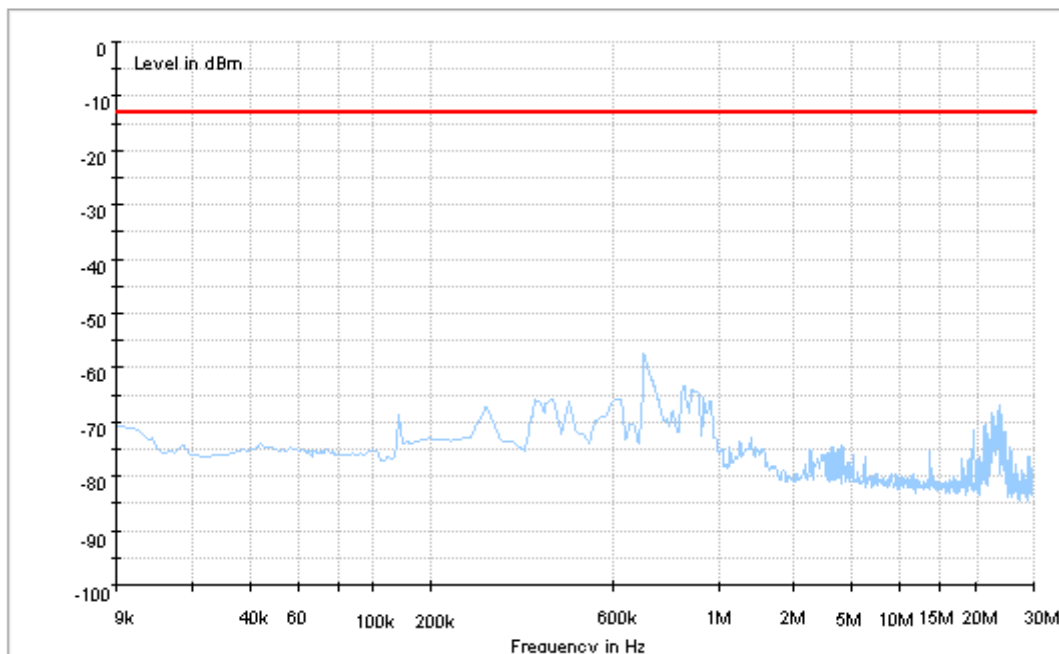


Copy of RSE-TX-DIRECTOR BELOW 1G_H

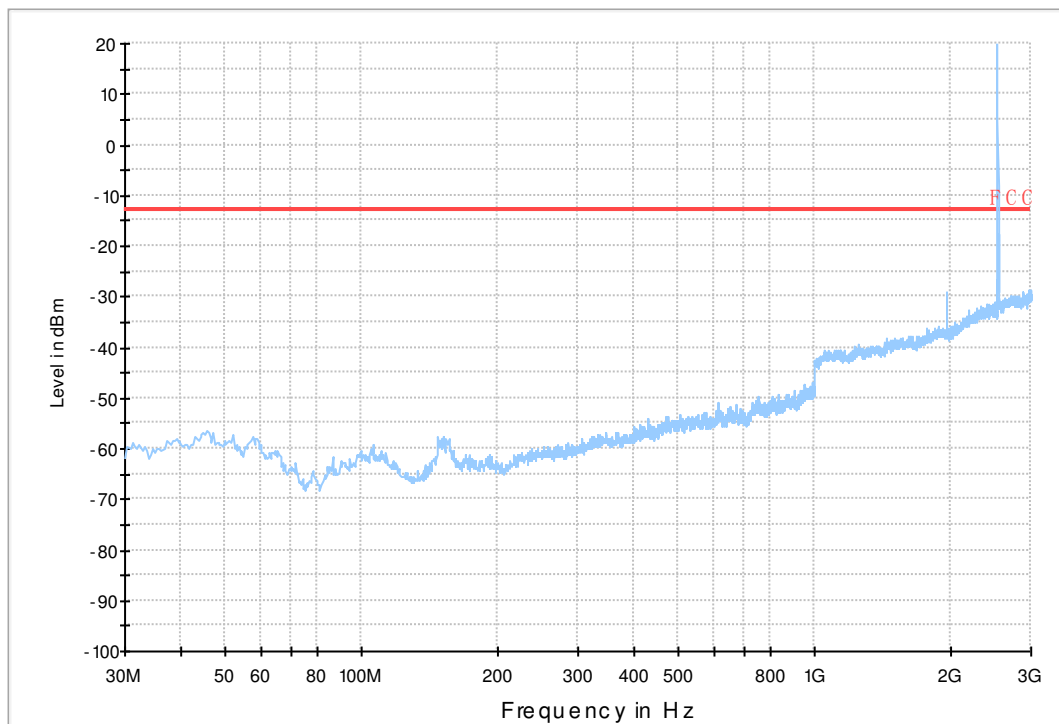


7.1.4 Test Band = BAND7

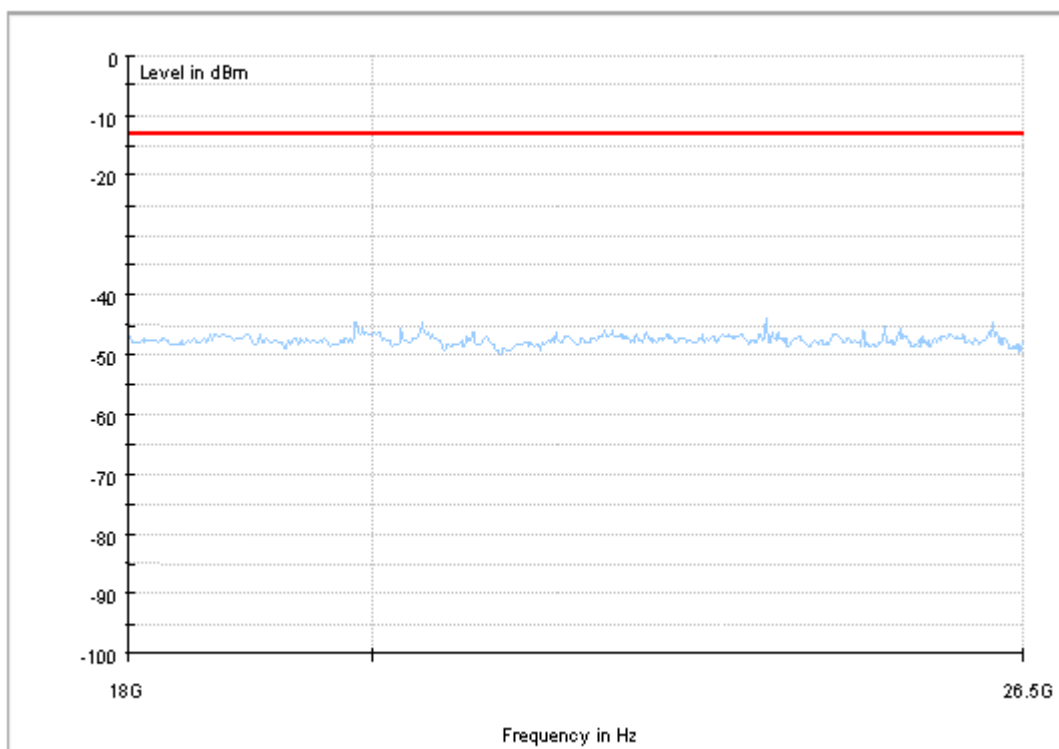
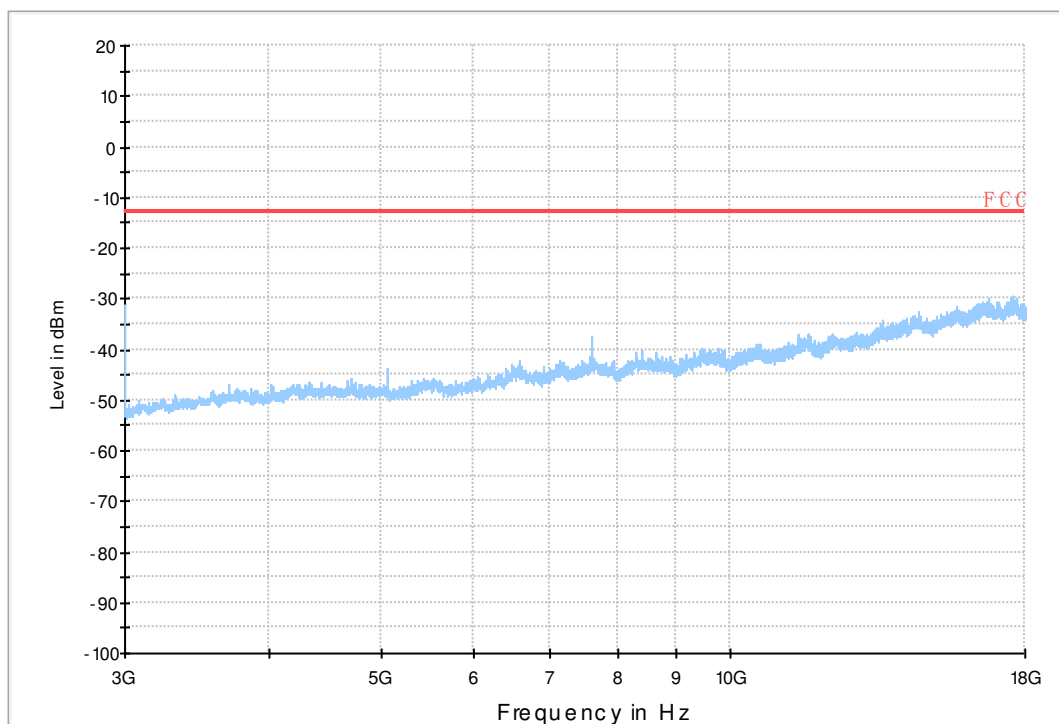
7.1.4.1 Test Bandwidth = 5



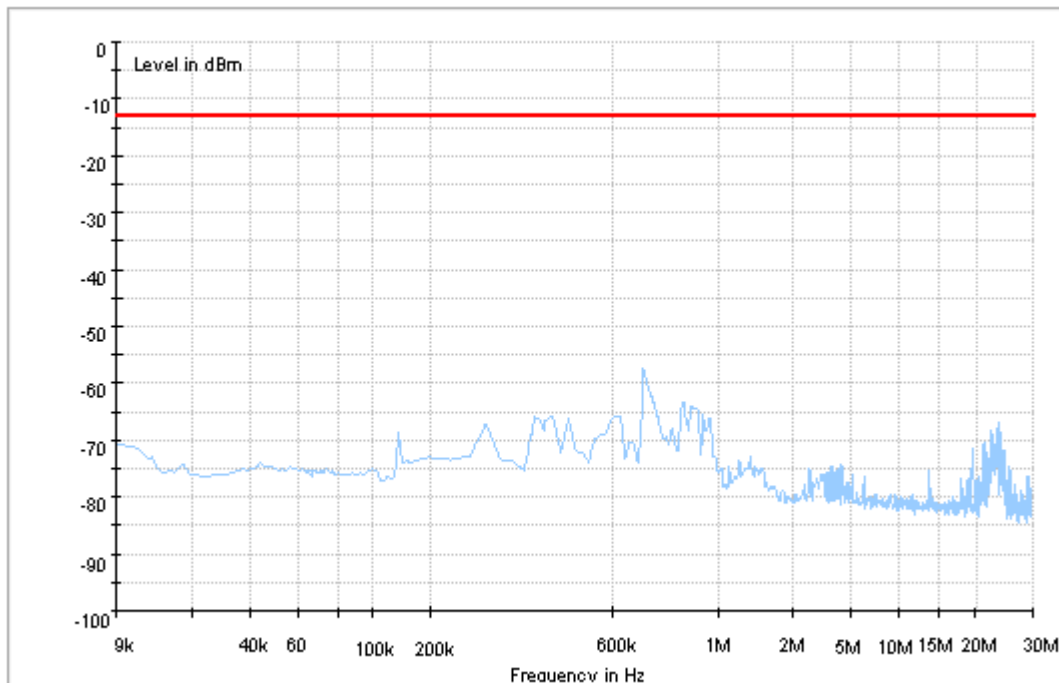
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_L



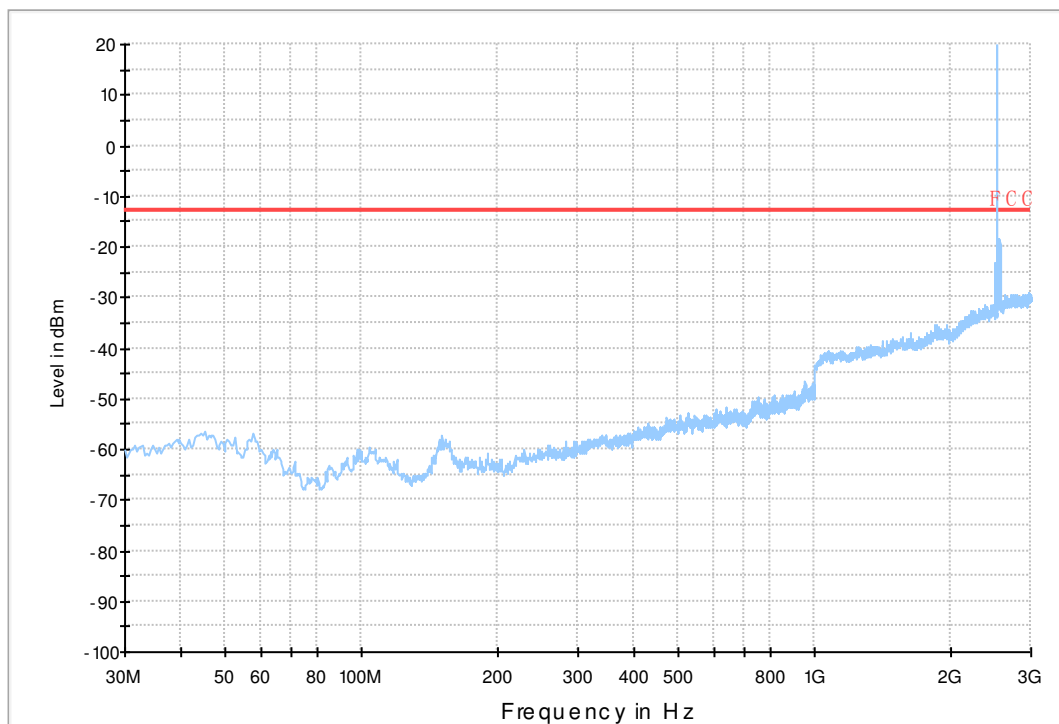
Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H



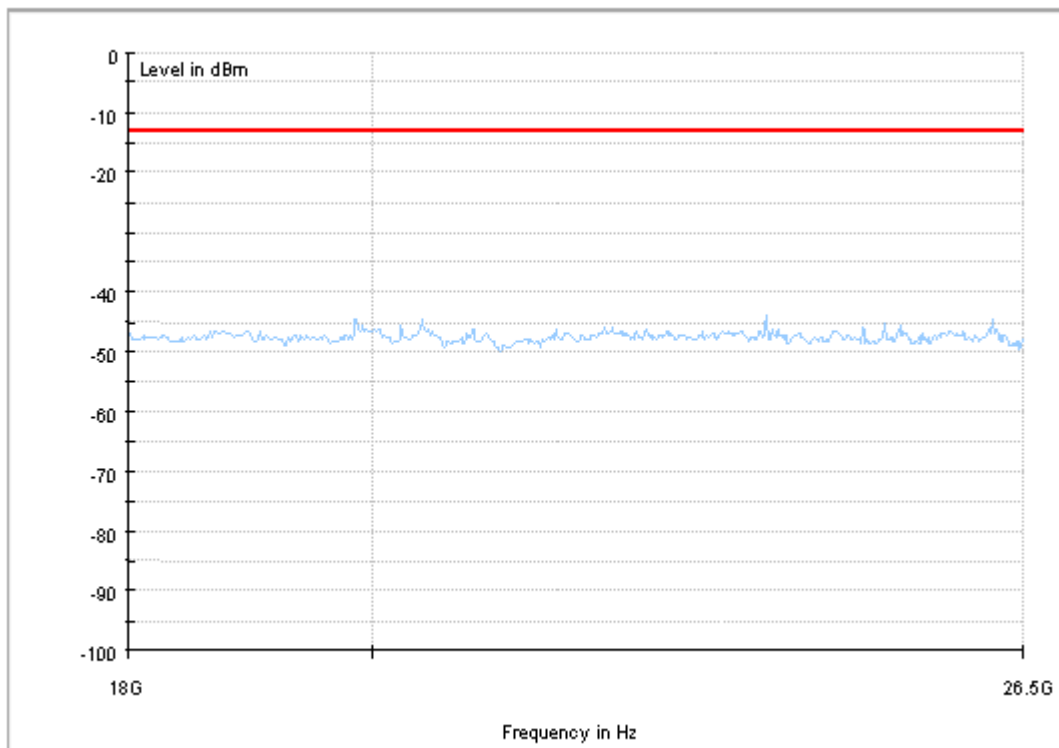
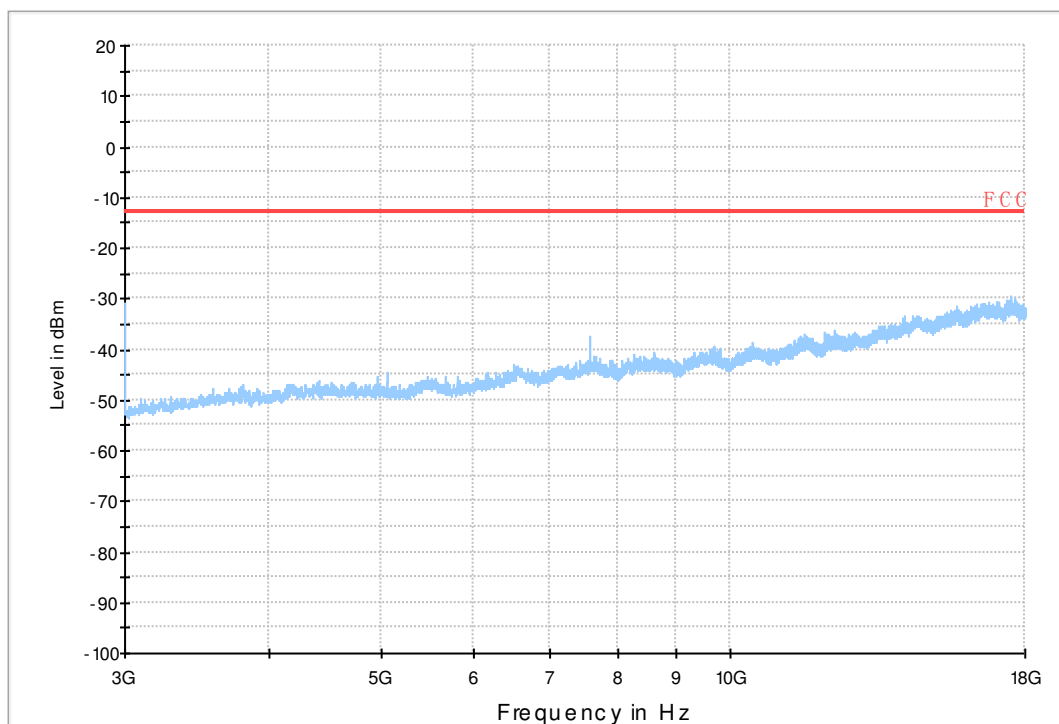
7.1.4.2 Test Bandwidth = 20



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Copy of RSE-TX-DIRECTOR ABOVE 1.5G_H



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
BAND2	LTE/TM1	1.4	LCH	TN	VL	-4.93	-0.00105	PASS
					VN	-1.14	-0.00077	PASS
					VH	-0.62	0.00039	PASS
			MCH	TN	VL	1.55	0.00021	PASS
					VN	1.21	-0.0022	PASS
					VH	-3.31	0.00278	PASS
			HCH	TN	VL	6.15	0.00278	PASS
					VN	6.15	-0.00197	PASS
					VH	-2.92	-0.00087	PASS
		3	LCH	TN	VL	-0.81	-0.00093	PASS
					VN	-0.92	-0.00086	PASS
					VH	-0.79	-0.00096	PASS
			MCH	TN	VL	-0.98	-0.0003	PASS
					VN	0.25	-0.00066	PASS
					VH	-0.43	0.00103	PASS
			HCH	TN	VL	2.8	-0.00061	PASS
					VN	-0.33	-0.00087	PASS
					VH	-0.82	-0.00161	PASS
		5	LCH	TN	VL	-2.18	-0.00116	PASS
					VN	-1.35	-0.00137	PASS
					VH	-1.74	-0.0007	PASS
			MCH	TN	VL	-0.49	0.0002	PASS
					VN	1.2	-0.0002	PASS
					VH	0.45	0.00203	PASS
			HCH	TN	VL	4.7	2E-05	PASS
					VN	0.88	-0.00007	PASS
					VH	0.7	-0.00196	PASS
		10	LCH	TN	VL	-2.82	-0.00236	PASS
					VN	-3.57	-0.00097	PASS
					VH	-0.99	-0.00052	PASS
			MCH	TN	VL	-0.16	-0.00118	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2		HCH	TN	VN	-1.39	-0.00138	PASS
					VH	-1.78	-0.00067	PASS
					VL	-0.45	-0.00003	PASS
					VN	0.77	0.00102	PASS
					VH	2.78	0.00113	PASS
					VL	2.9	-0.00064	PASS
		15	LCH	TN	VN	-0.38	-0.00072	PASS
					VH	-0.53	0.00244	PASS
					VL	5.4	-0.00098	PASS
			MCH	TN	VN	-1.02	-0.00255	PASS
					VH	-3.98	1E-04	PASS
					VL	1.02	-0.00029	PASS
			HCH	TN	VN	0.28	-0.00072	PASS
					VH	-0.53	-0.00166	PASS
					VL	-2.27	-0.00192	PASS
		20	LCH	TN	VN	-2.77	-0.00105	PASS
					VH	-1.14	-0.00183	PASS
					VL	-2.62	-0.00126	PASS
			MCH	TN	VN	-1.54	-0.00064	PASS
					VH	-0.38	0.00082	PASS
					VL	2.38	0.00013	PASS
			HCH	TN	VN	1.08	-0.00022	PASS
					VH	0.42	-0.00021	PASS
					VL	0.42	-0.00163	PASS
		1.4	LCH	TN	VN	-2.21	-0.00389	PASS
					VH	-6.4	-0.00002	PASS
					VL	0.78	-0.00029	PASS
			MCH	TN	VN	0.28	-0.00059	PASS
					VH	-0.29	0.00136	PASS
					VL	3.44	-0.00018	PASS
			HCH	TN	VN	0.5	-0.00133	PASS
					VH	-1.71	0.00061	PASS
					VL	1.93	0.00005	PASS
		3	LCH	TN	VN	0.9	-0.00127	PASS
					VH	-1.54	0.00334	PASS
					VL	7.1	0.00019	PASS
			MCH	TN	VN	1.17	0.0004	PASS
					VH	1.58	0.00328	PASS
					VL	7.1	0.00133	PASS
			HCH	TN	VL	7.1	0.00133	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		5	LCH	TN	VN	3.38	-0.00193	PASS
					VH	-2.85	0.00101	PASS
					VL	2.68	-0.00075	PASS
					VN	-0.58	-0.00023	PASS
					VH	0.38	0	PASS
					VL	0.82	-0.00096	PASS
			MCH	TN	VN	-0.98	-0.00135	PASS
					VH	-1.71	0.00303	PASS
					VL	6.62	0.00014	PASS
					VN	1.11	-0.00027	PASS
					VH	0.32	-0.00136	PASS
			HCH	TN	VL	-1.71	-0.00131	PASS
					VN	-1.62	-0.00233	PASS
					VH	-3.52	-0.00101	PASS
		10	LCH	TN	VL	-1.71	-0.00131	PASS
					VN	-1.62	-0.00233	PASS
					VH	-3.52	-0.00101	PASS
			MCH	TN	VL	-1.08	-0.0004	PASS
					VN	0.07	-0.00088	PASS
					VH	-0.84	0.00114	PASS
			HCH	TN	VL	3.01	0.00008	PASS
					VN	0.98	-0.00017	PASS
					VH	0.51	0.00077	PASS
		15	LCH	TN	VL	2.23	-0.00034	PASS
					VN	0.18	-0.00095	PASS
					VH	-0.96	-0.0002	PASS
			MCH	TN	VL	0.44	-0.00206	PASS
					VN	-3.05	-0.0011	PASS
					VH	-1.24	0.00023	PASS
			HCH	TN	VL	1.27	-0.00098	PASS
					VN	-1.04	-0.00061	PASS
					VH	-0.32	-0.00106	PASS
		20	LCH	TN	VL	-1.16	-0.00061	PASS
					VN	-0.32	-0.00386	PASS
					VH	-6.37	-0.00047	PASS
			MCH	TN	VL	-0.06	-0.00138	PASS
					VN	-1.78	-0.00094	PASS
					VH	-0.94	0.00025	PASS
			HCH	TN	VL	1.31	-0.00059	PASS
					VN	-0.29	-0.00055	PASS
					VH	-0.22	-0.0031	PASS