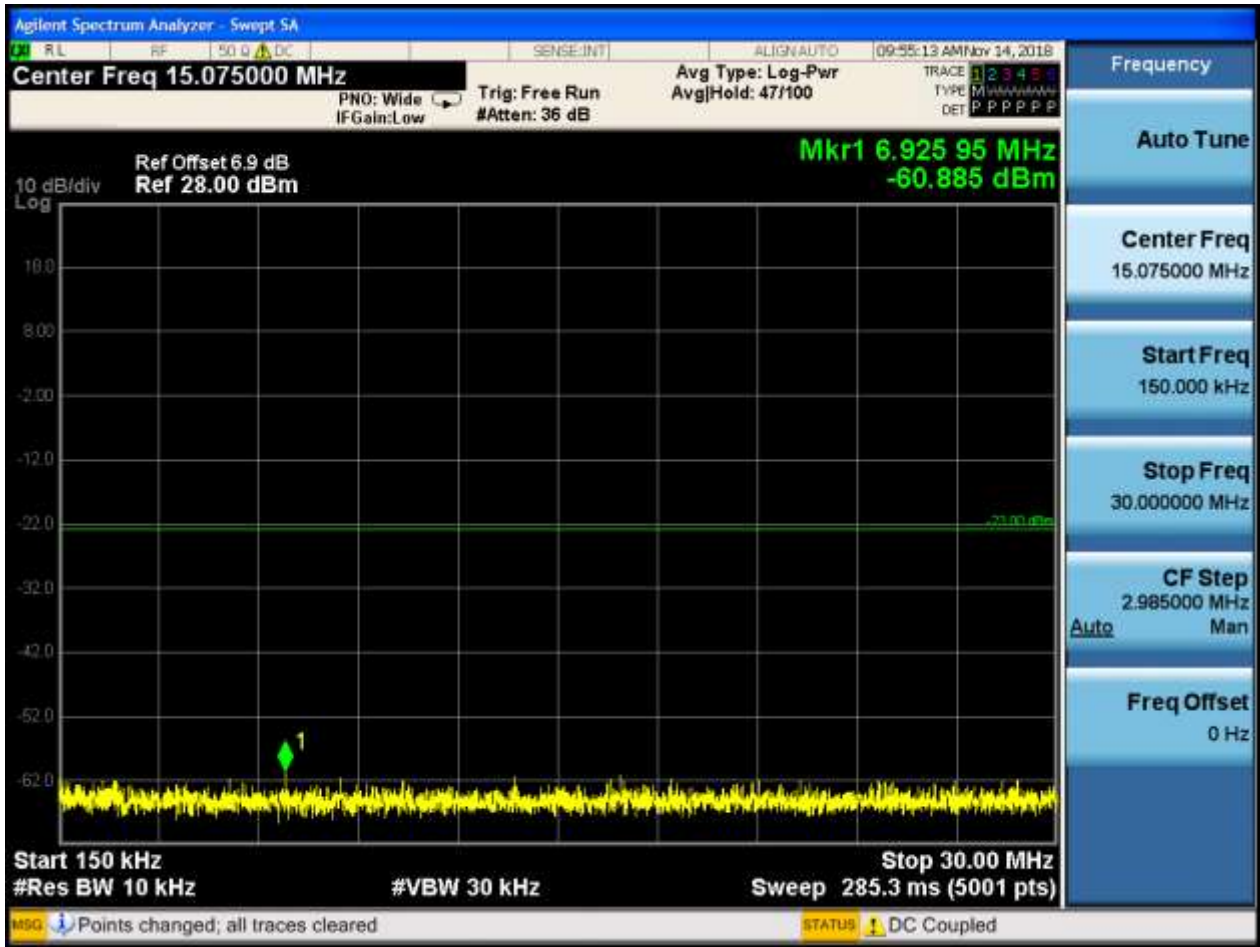


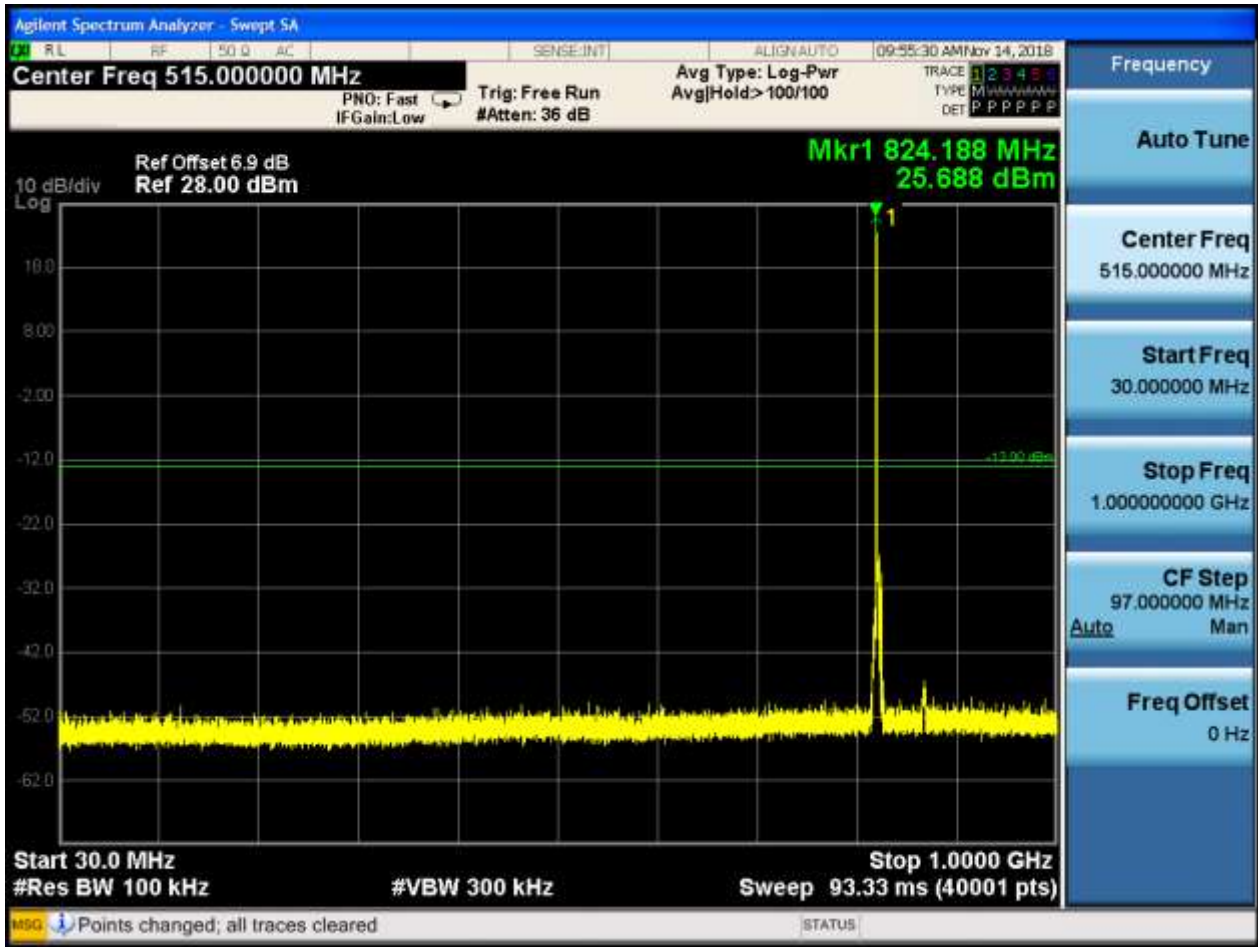
### 6.1.1.1.2 Test Bandwidth = 3

#### 6.1.1.1.2.1 Test Channel = LCH

##### 6.1.1.1.2.1.1 Test RB = RB1#0





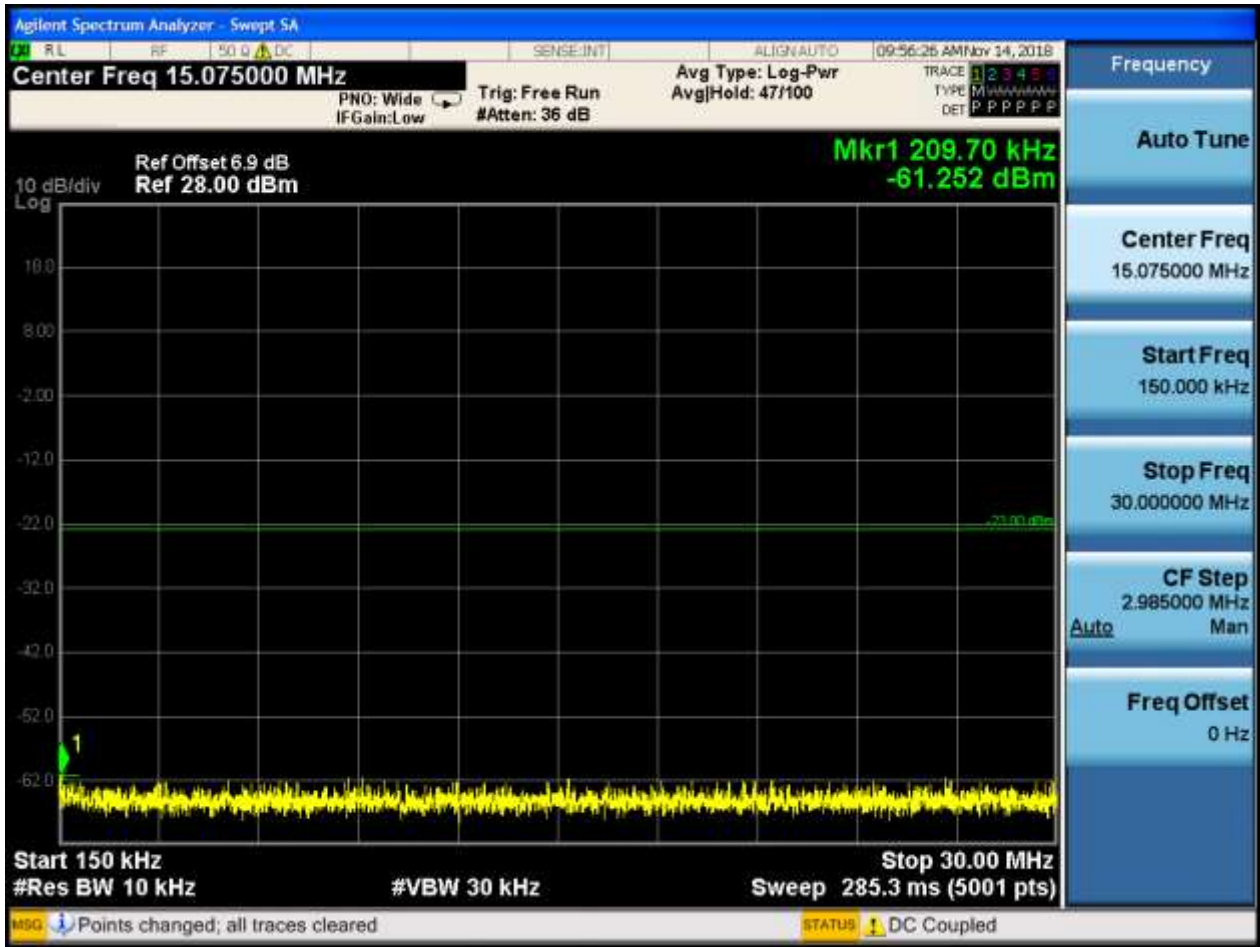


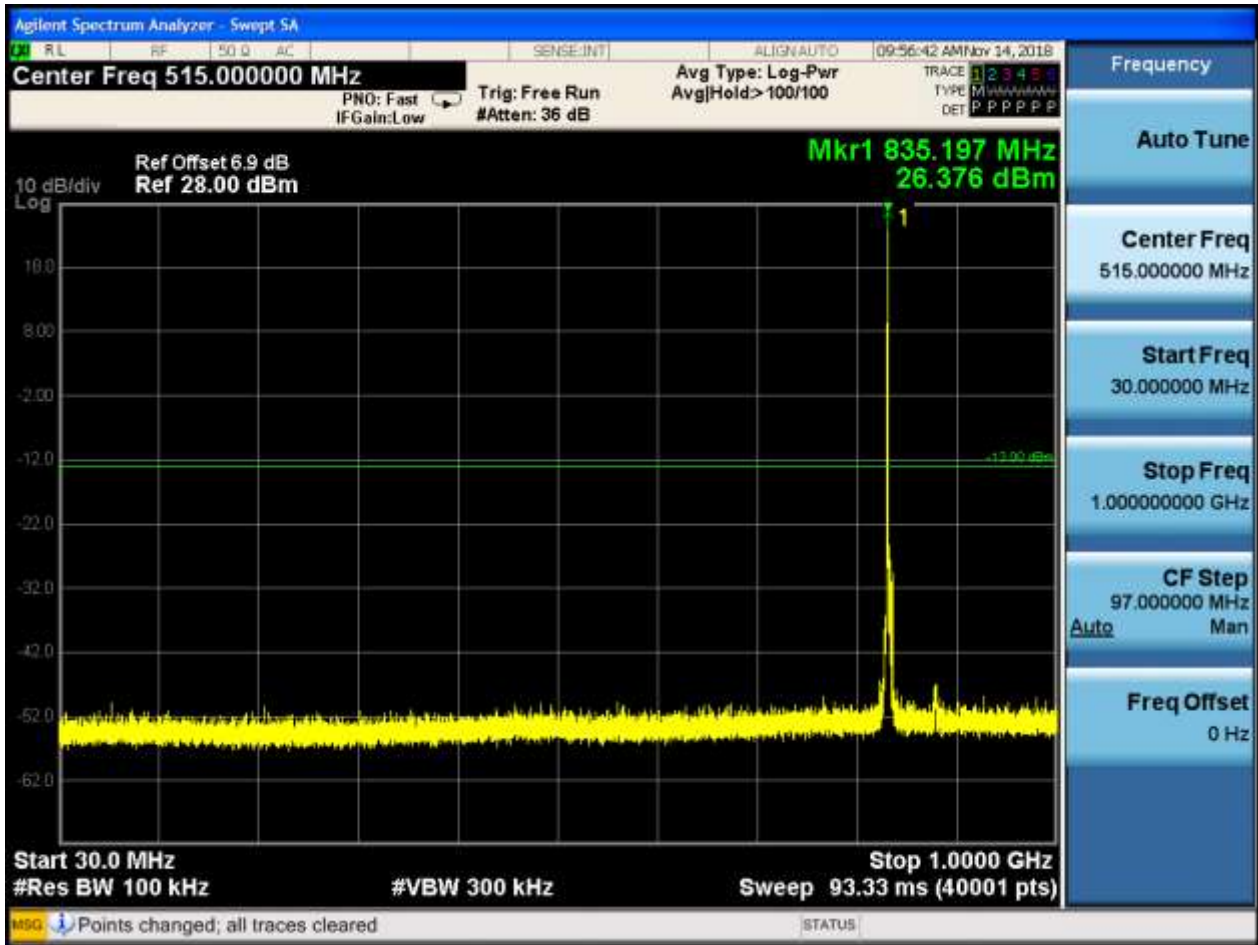


## 6.1.1.1.2.2 Test Channel = MCH

## 6.1.1.1.2.2.1 Test RB = RB1#0









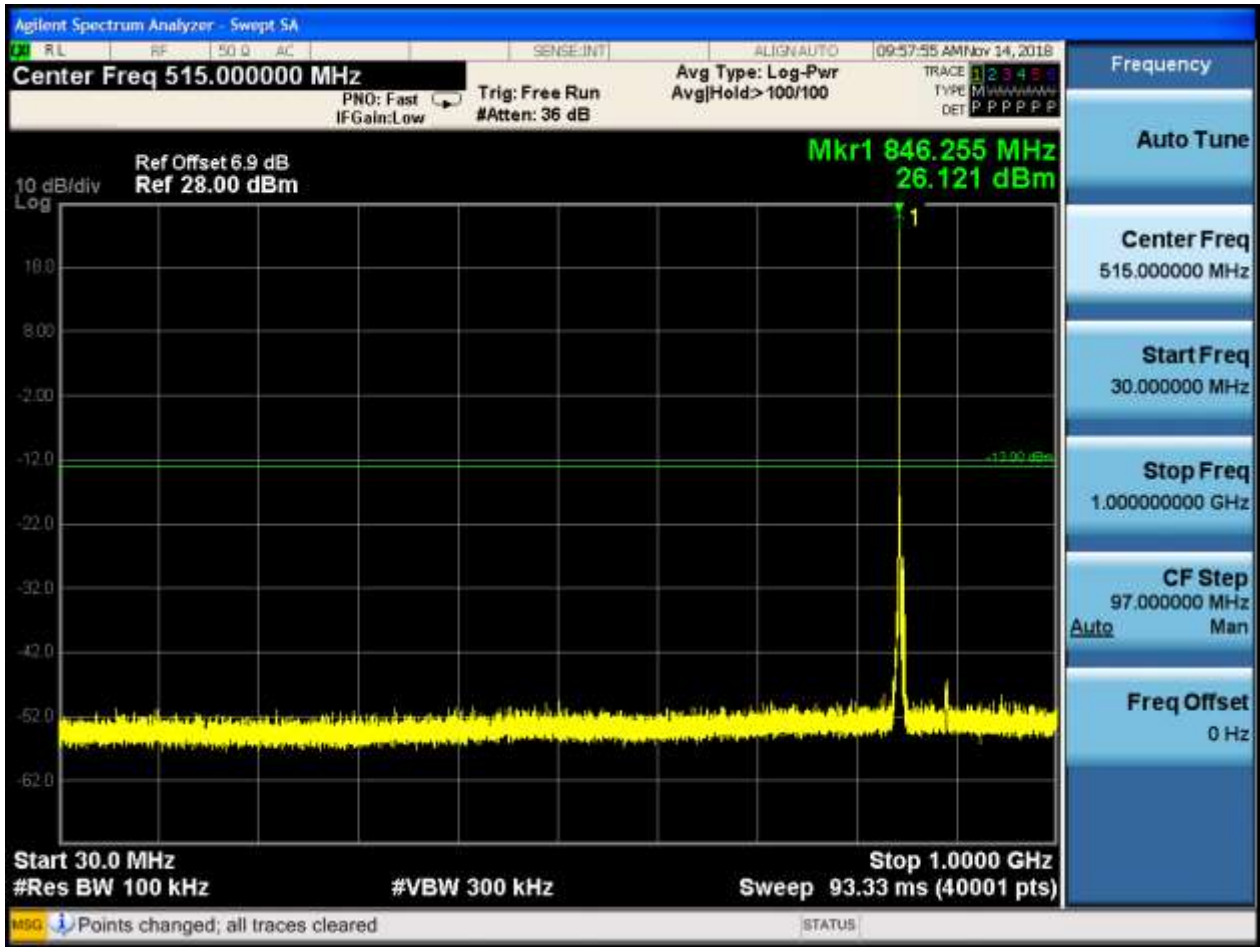


## 6.1.1.1.2.3 Test Channel = HCH

## 6.1.1.1.2.3.1 Test RB = RB1#0







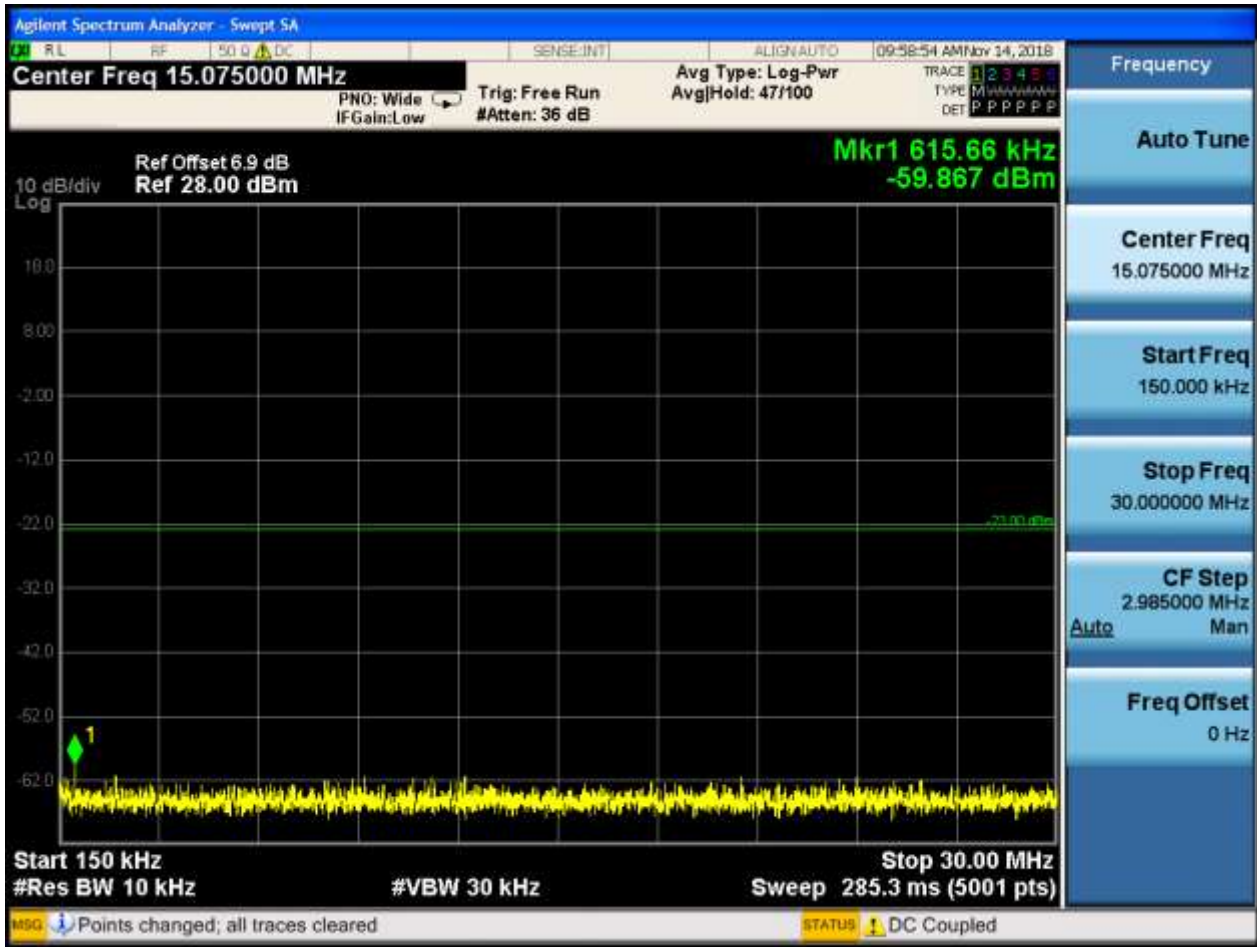


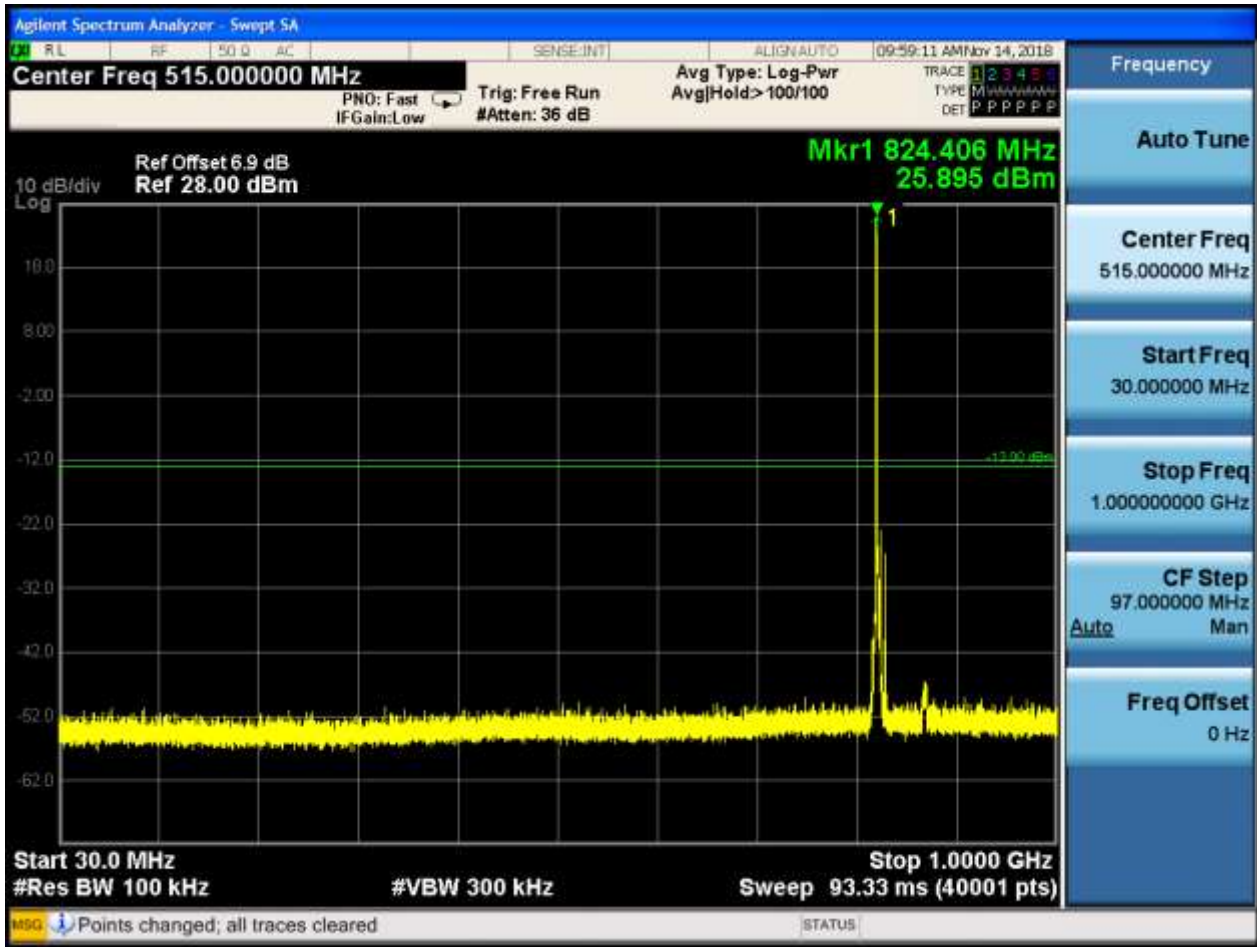
### 6.1.1.1.3 Test Bandwidth = 5

#### 6.1.1.1.3.1 Test Channel = LCH

##### 6.1.1.1.3.1.1 Test RB = RB1#0









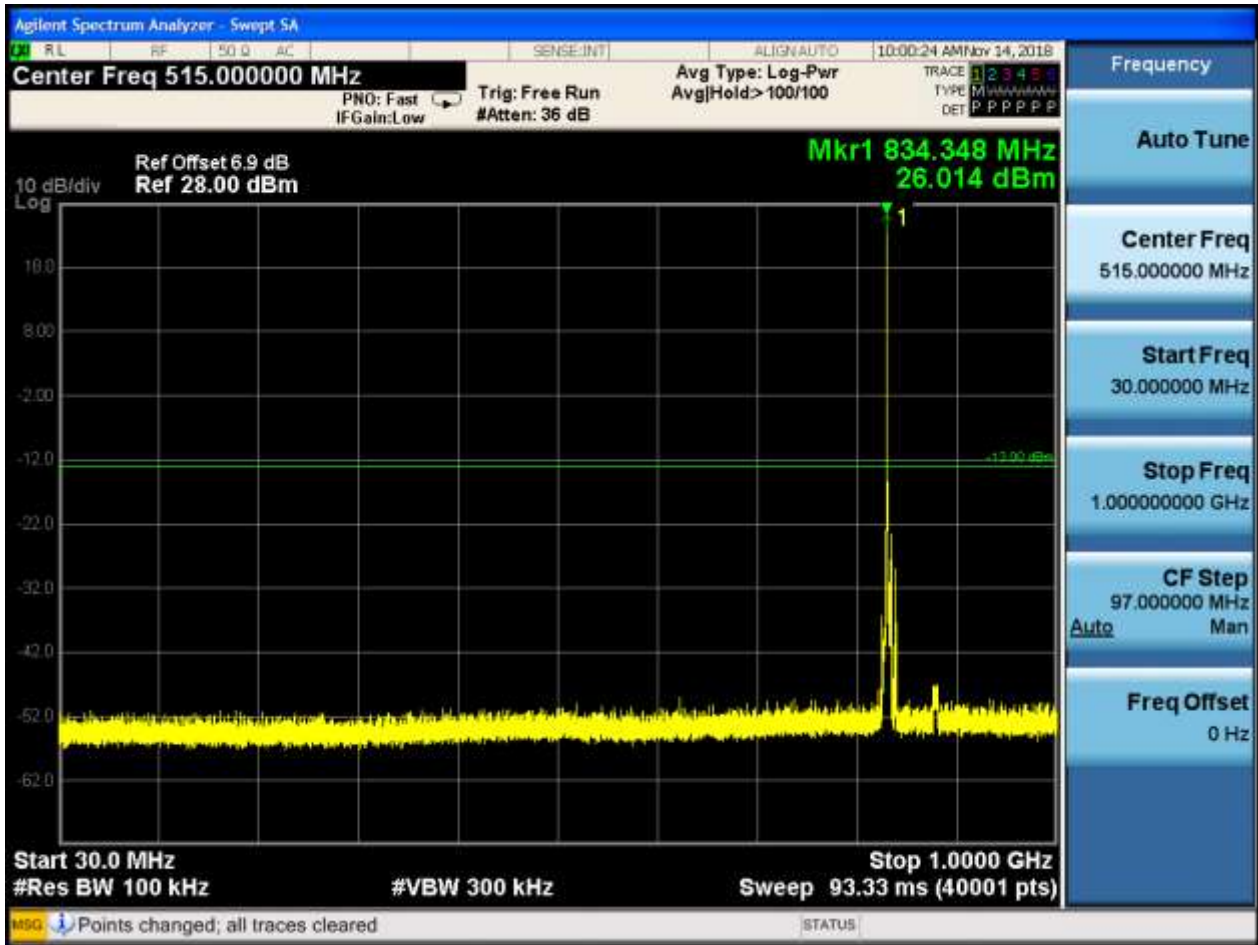


## 6.1.1.1.3.2 Test Channel = MCH

## 6.1.1.1.3.2.1 Test RB = RB1#0





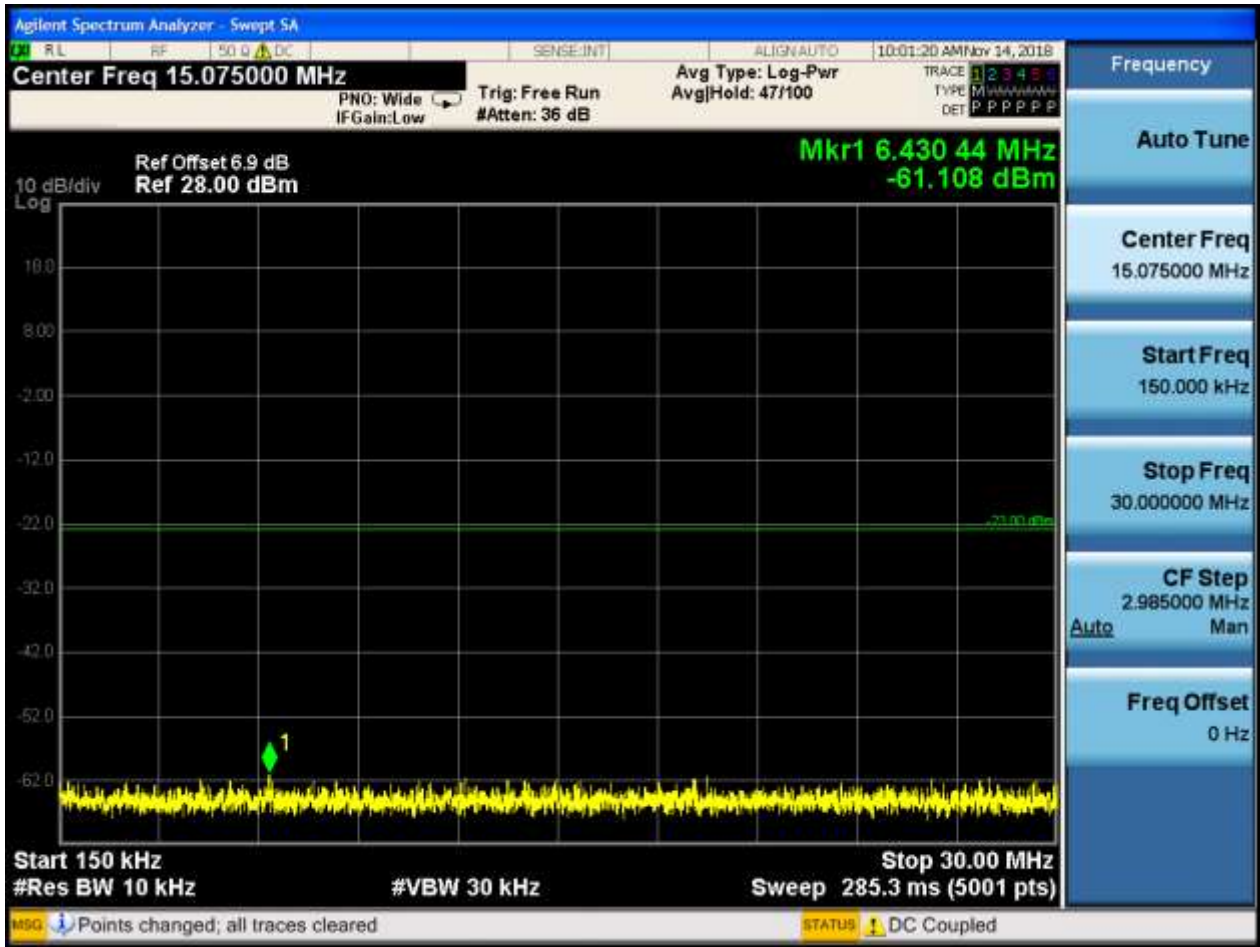


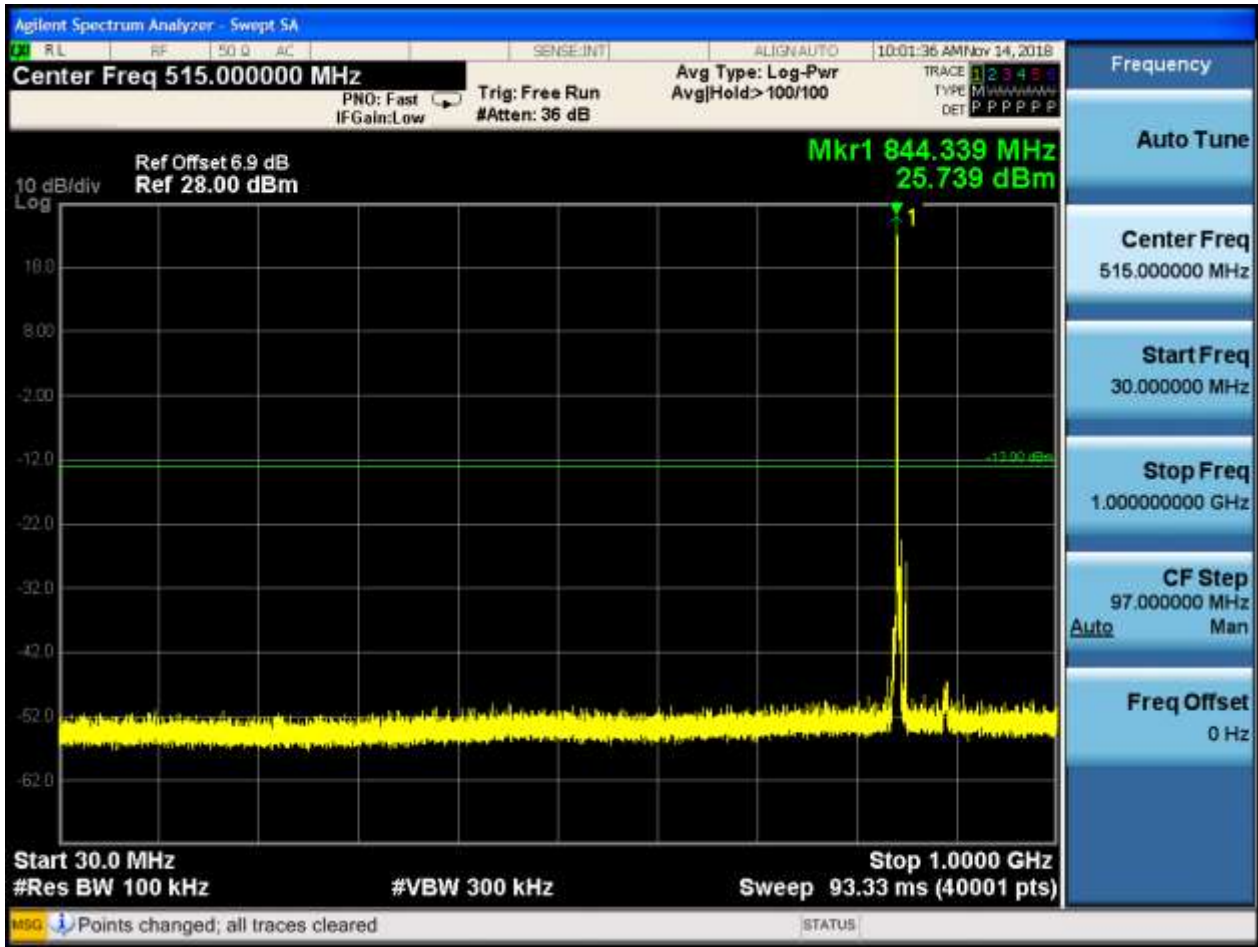


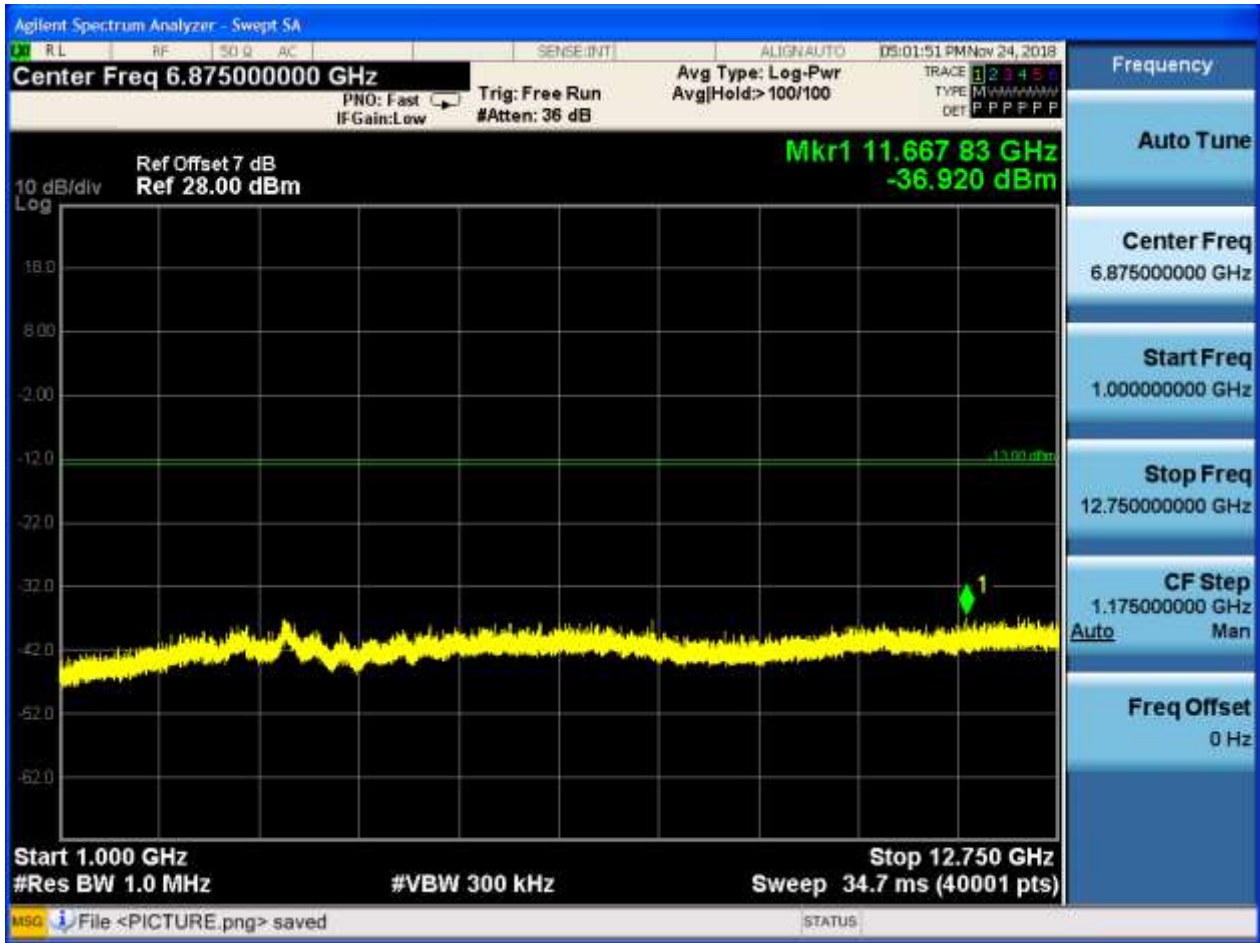
6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0











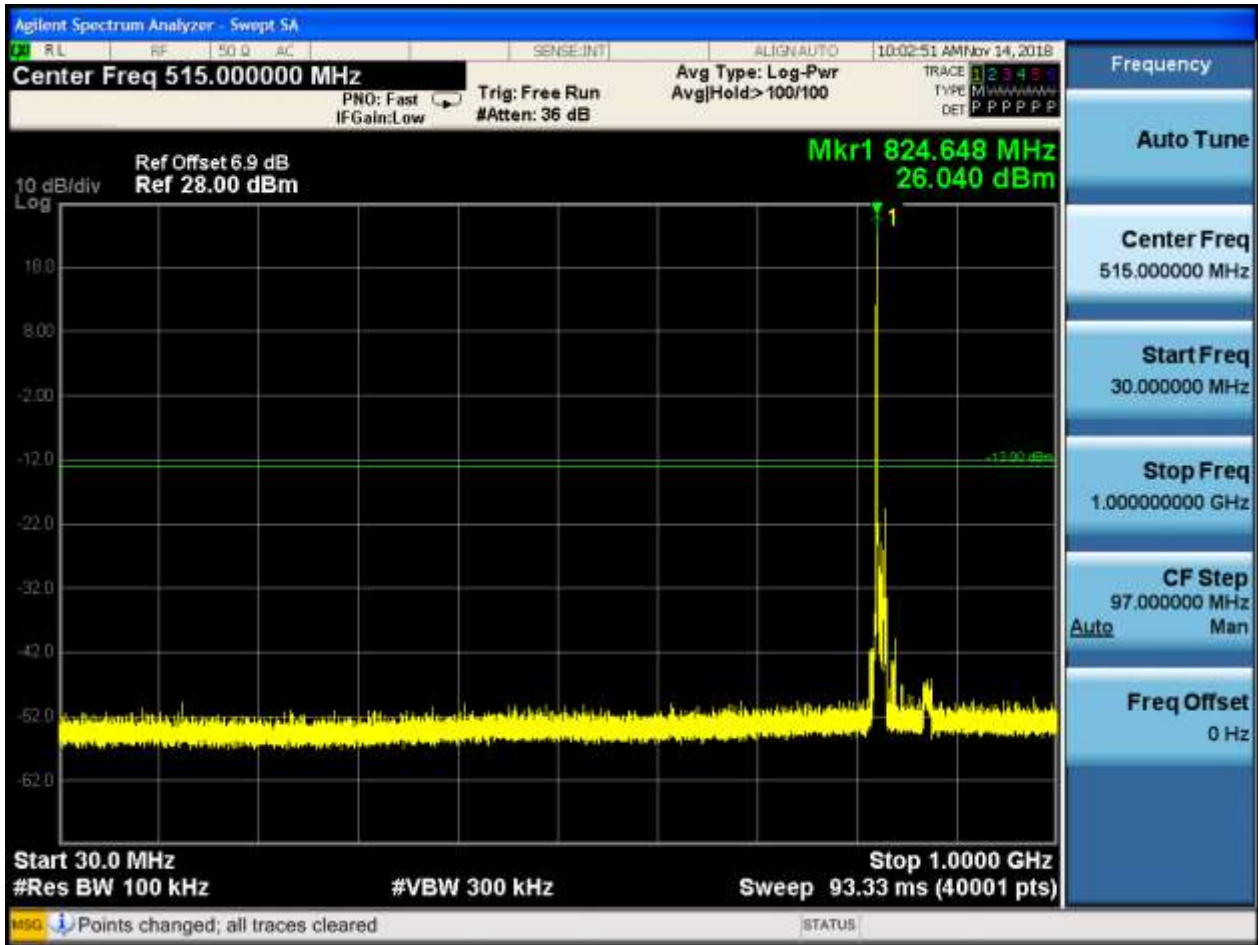
#### 6.1.1.1.4 Test Bandwidth = 10

##### 6.1.1.1.4.1 Test Channel = LCH

##### 6.1.1.1.4.1.1 Test RB = RB1#0







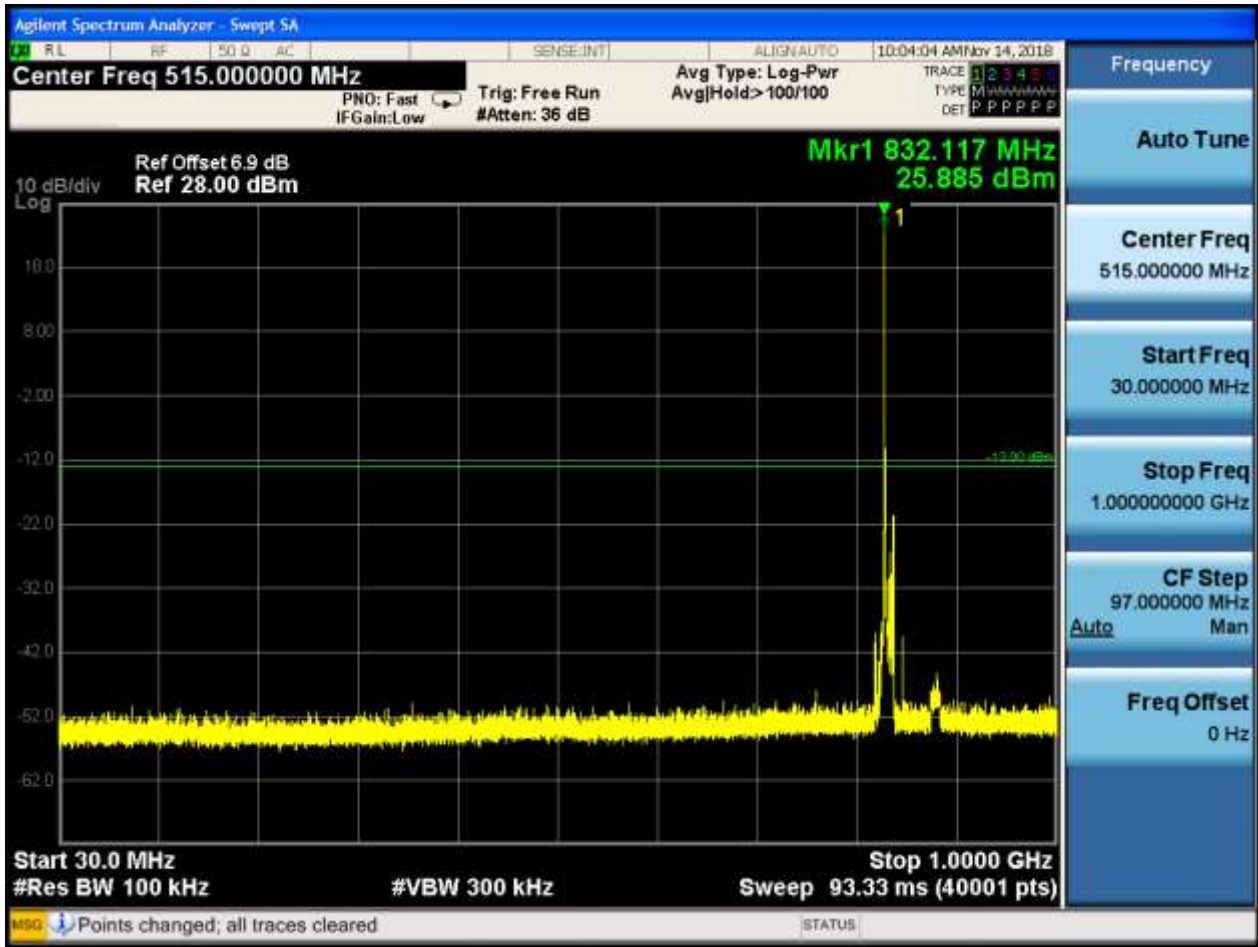


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0







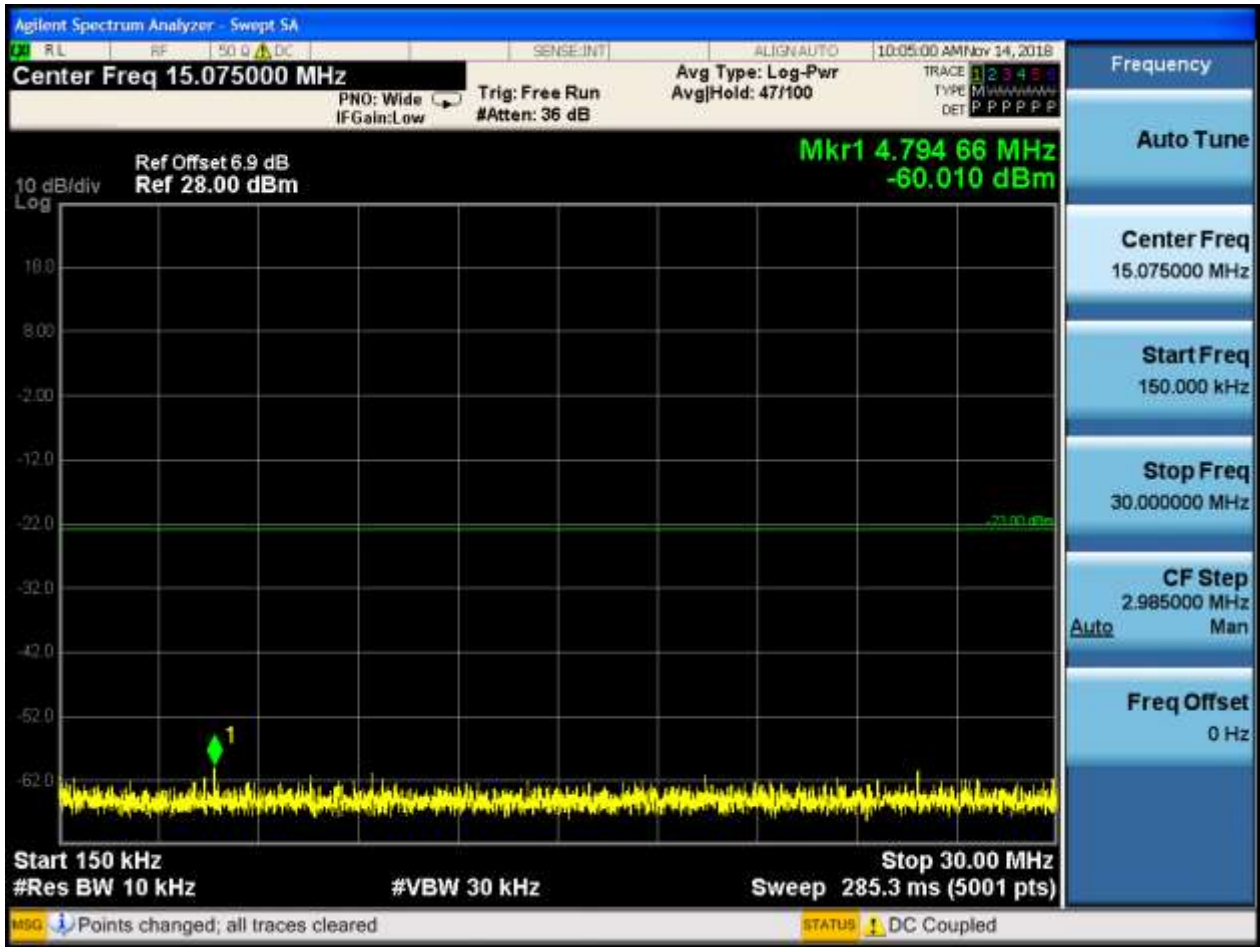


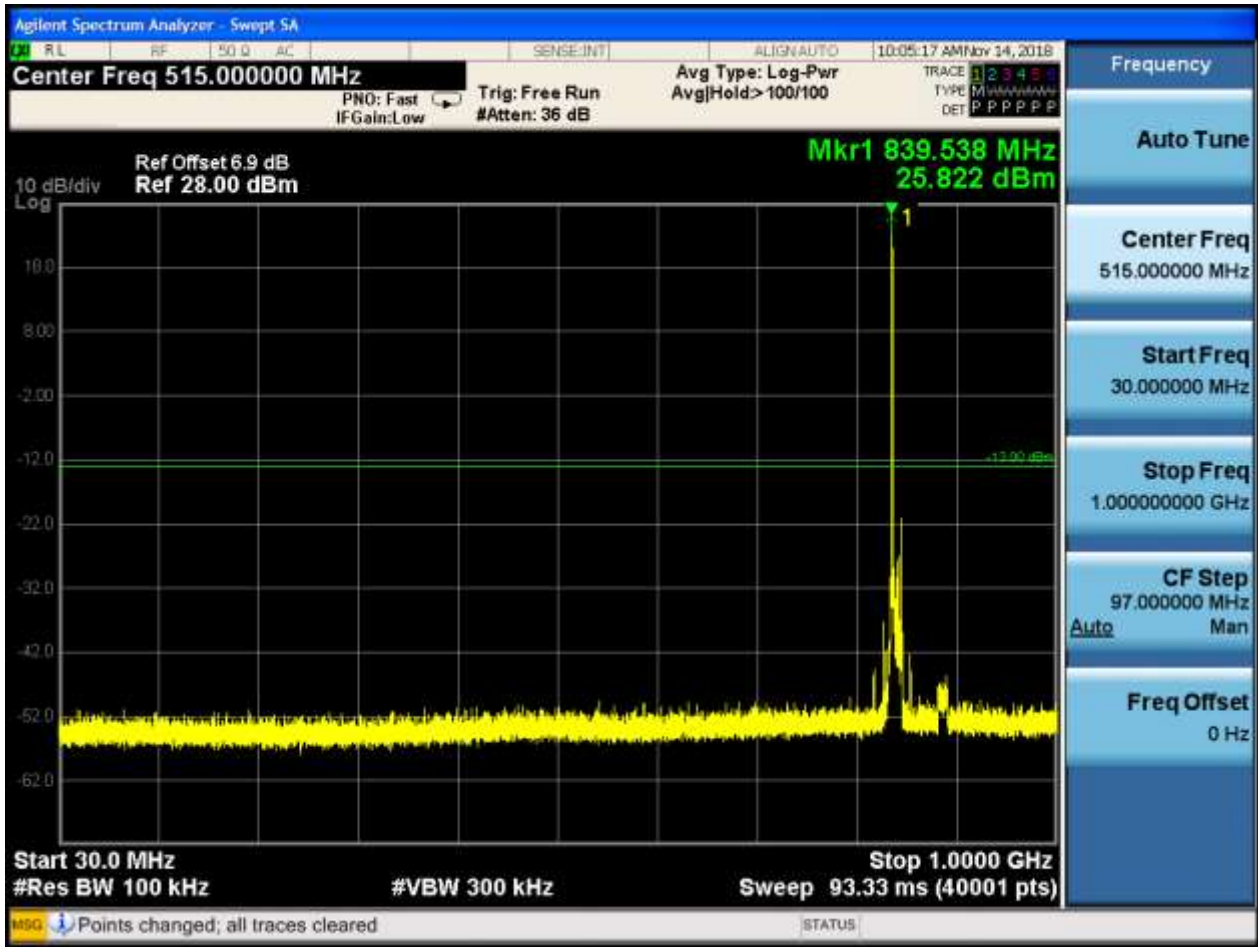


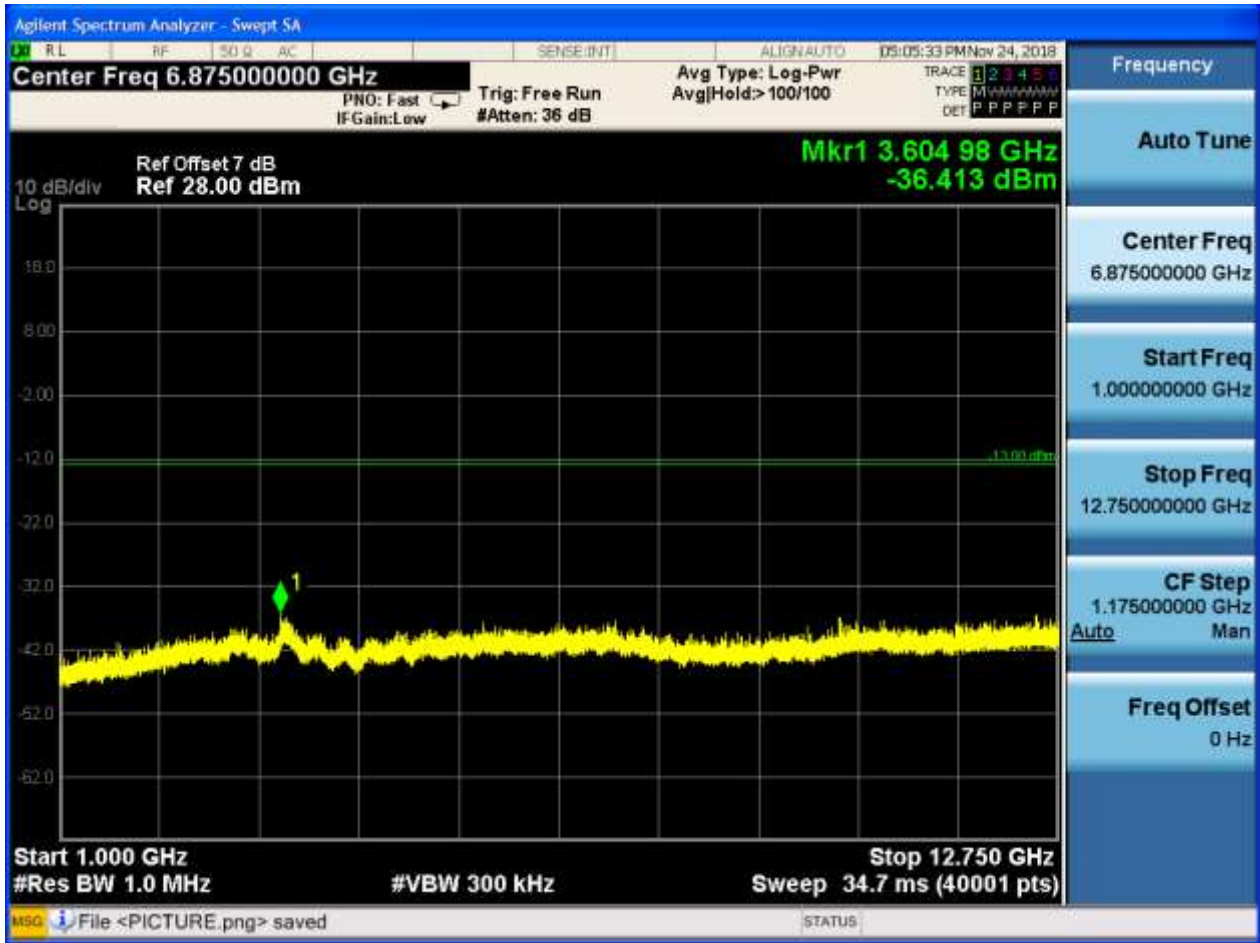
## 6.1.1.1.4.3 Test Channel = HCH

## 6.1.1.1.4.3.1 Test RB = RB1#0







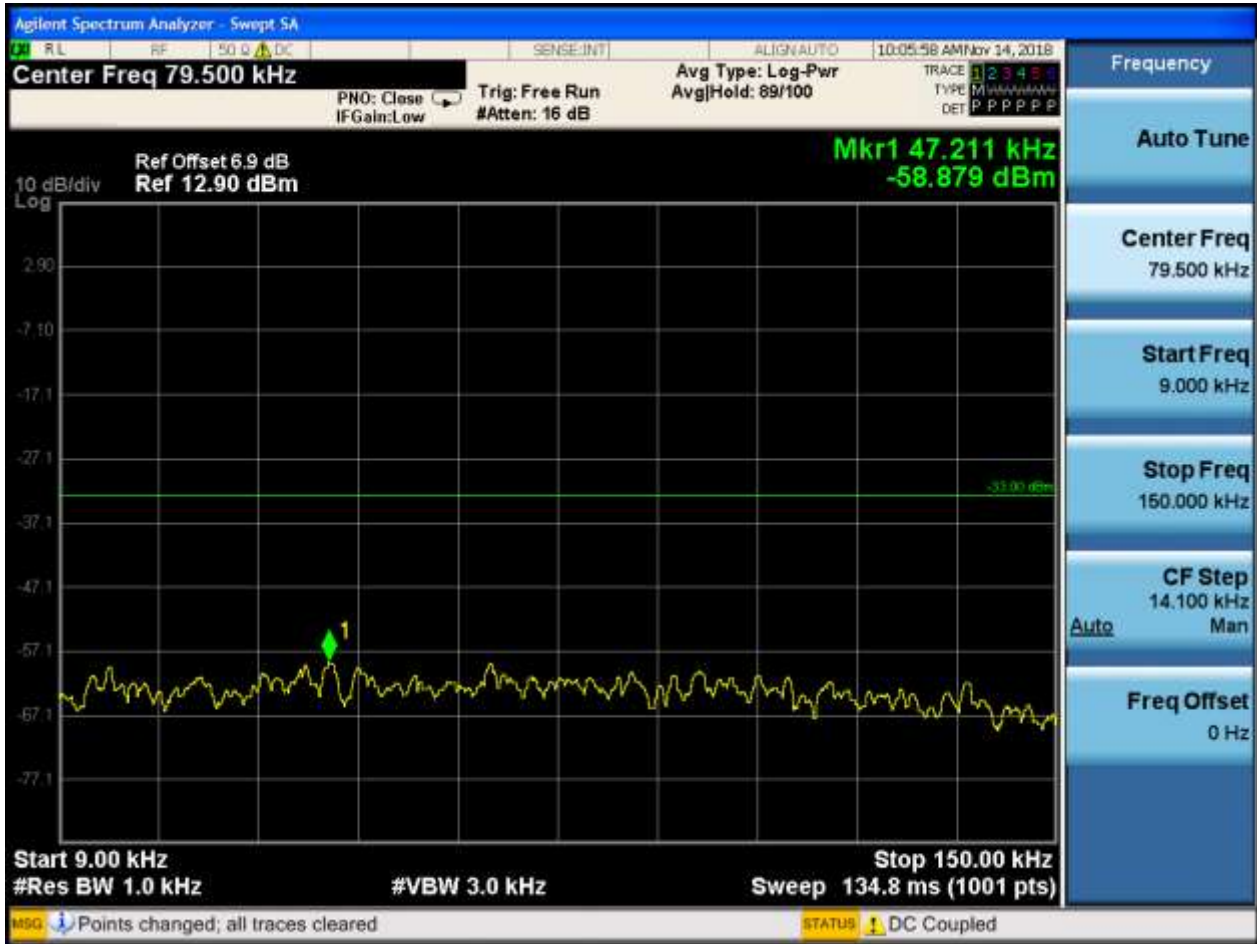


6.1.1.2 Test Mode = LTE/TM2

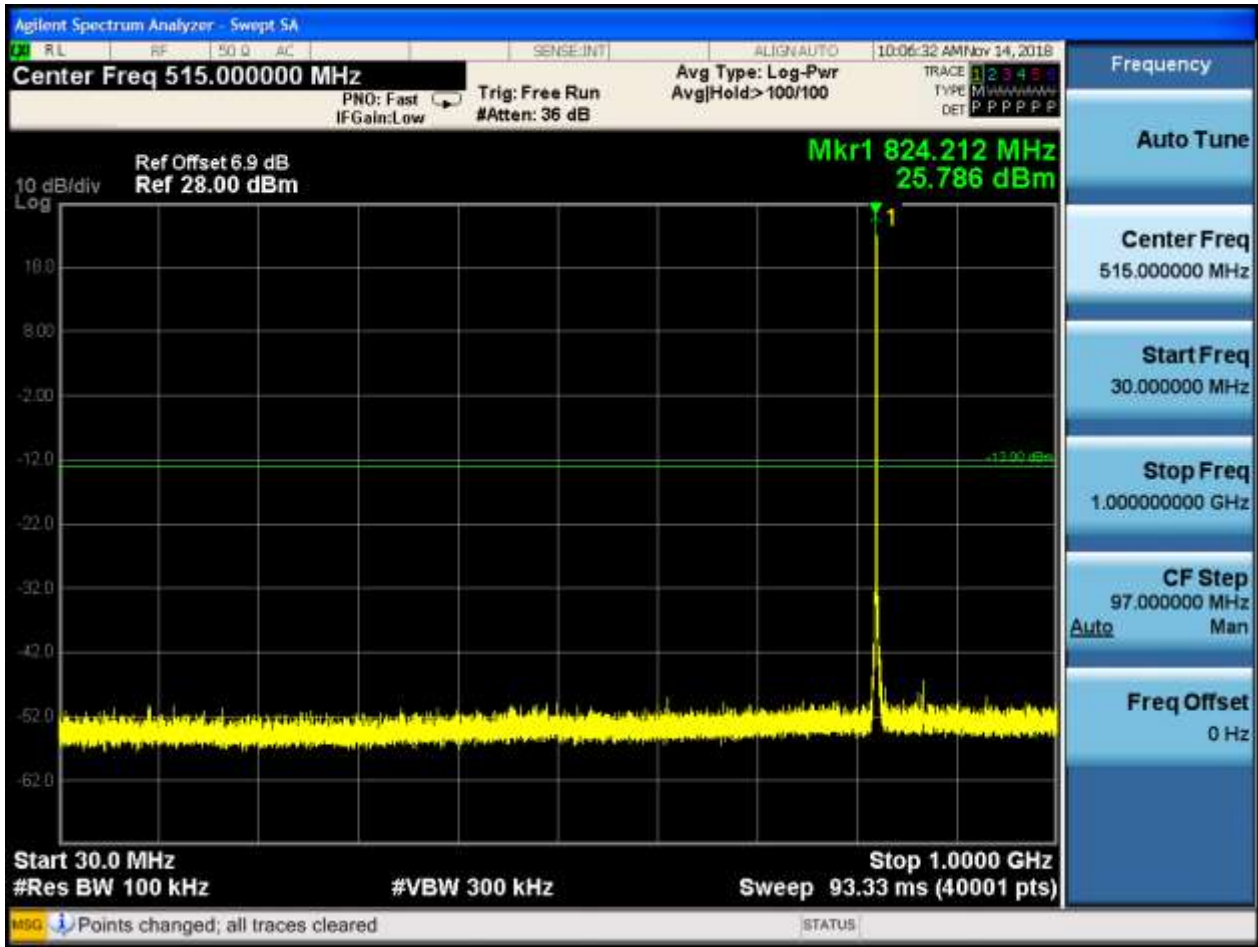
6.1.1.2.1 Test Bandwidth = 1.4

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0







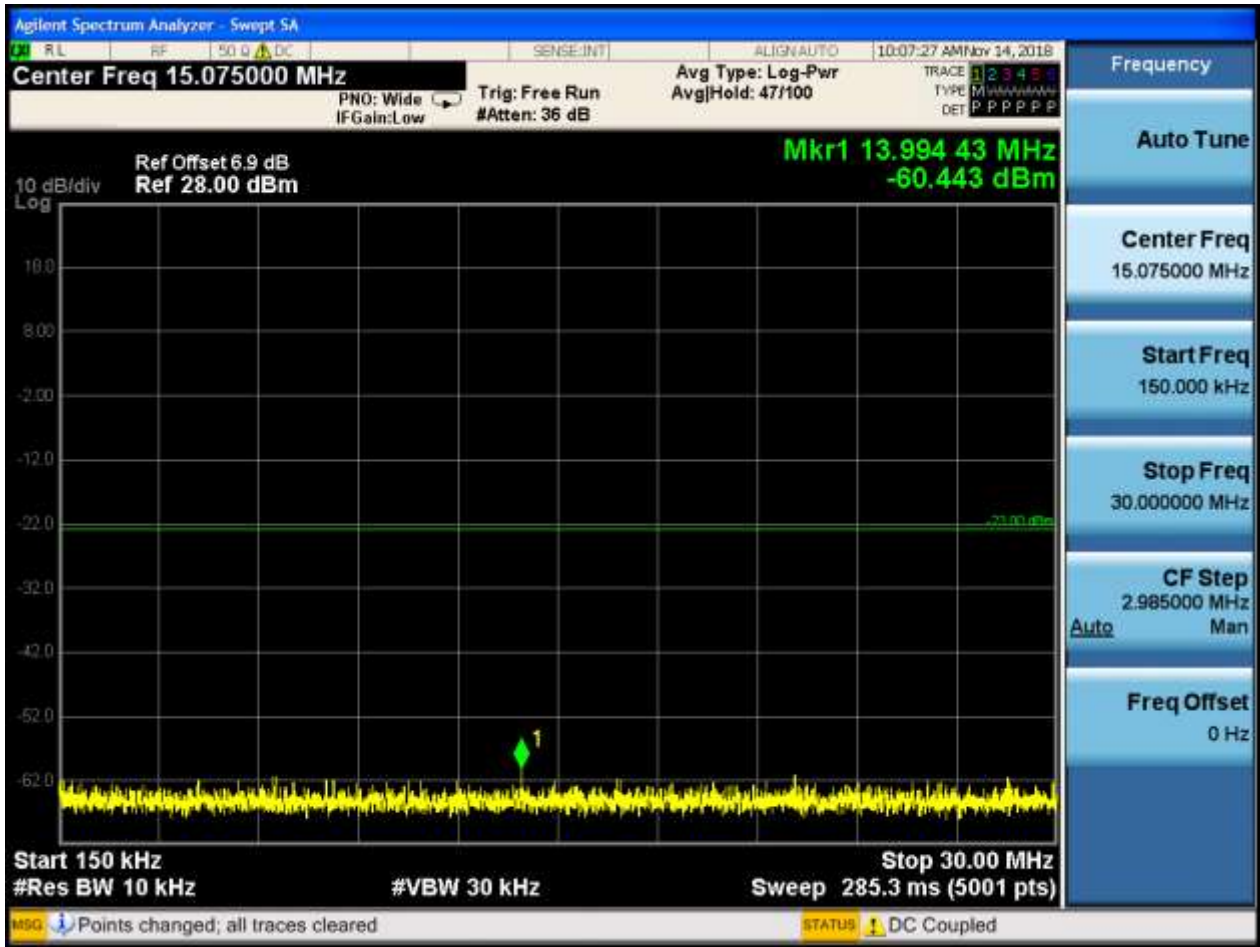


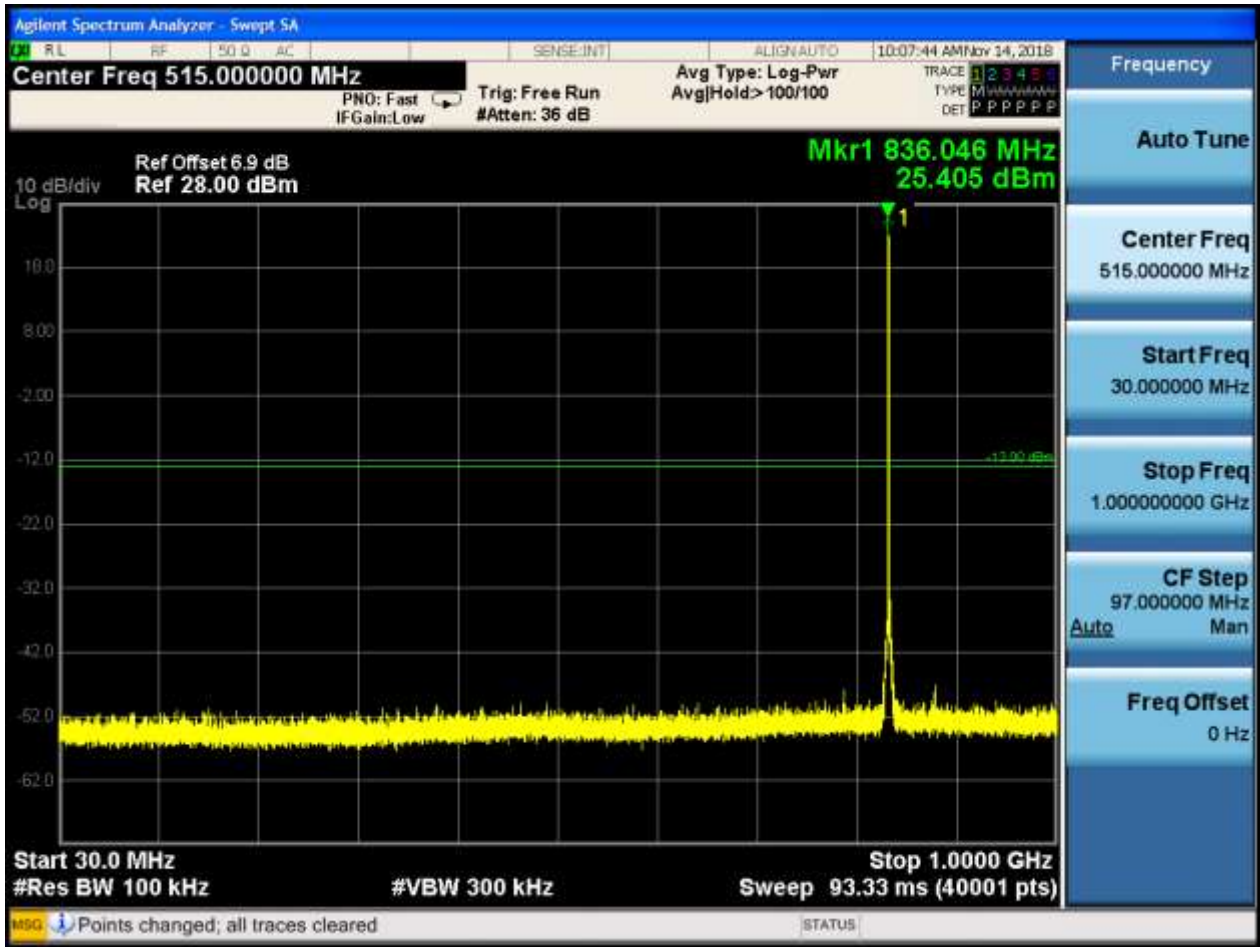


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0

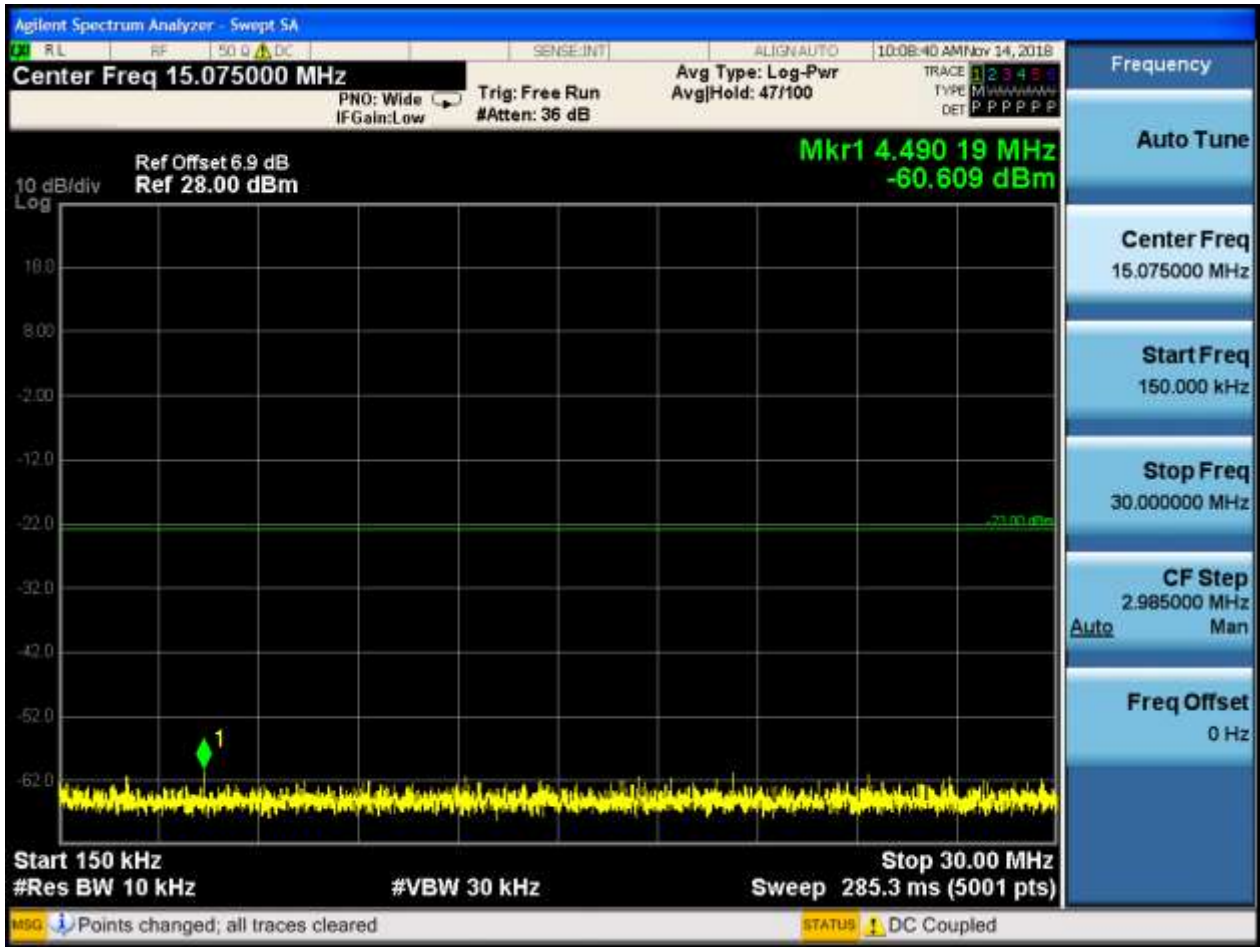


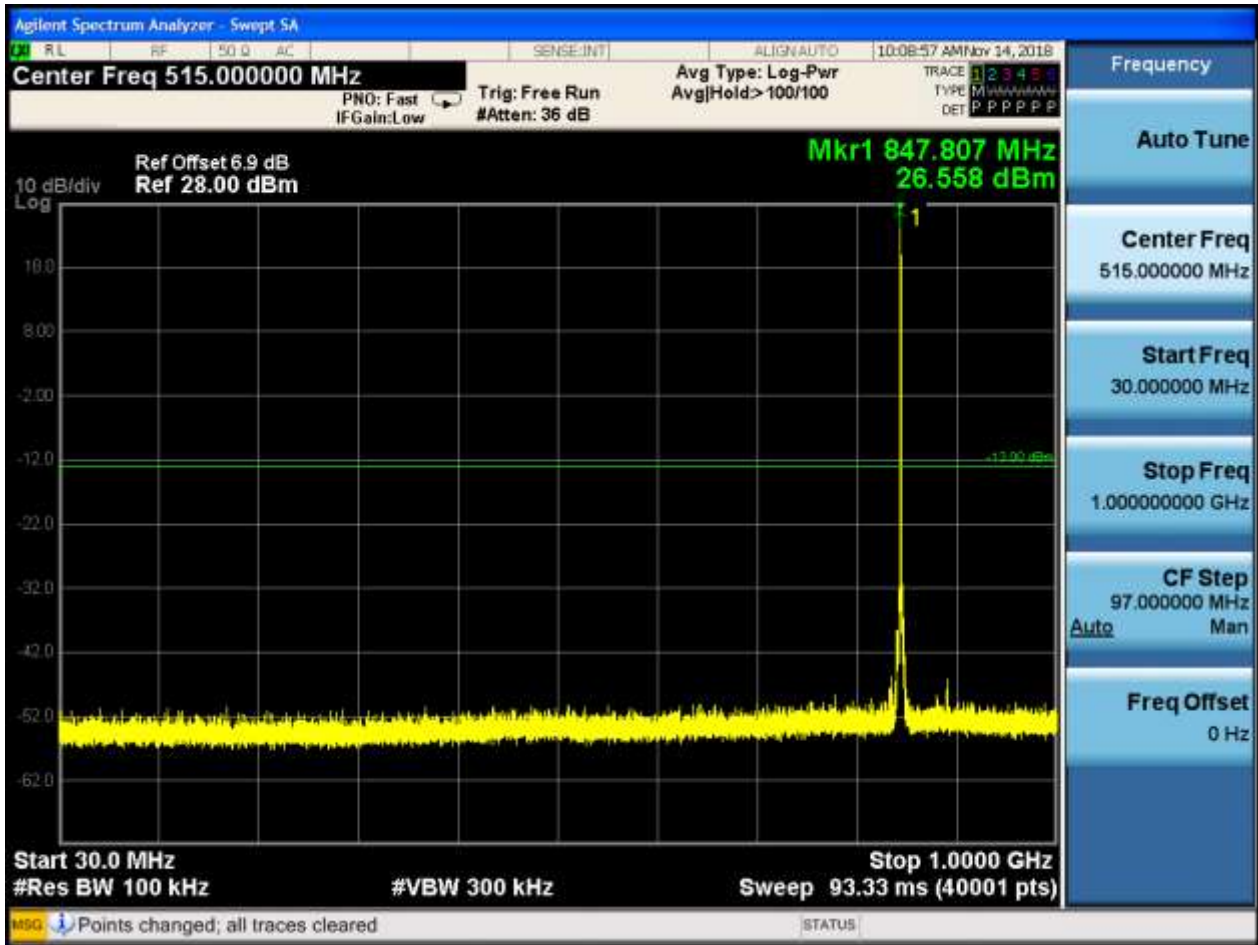












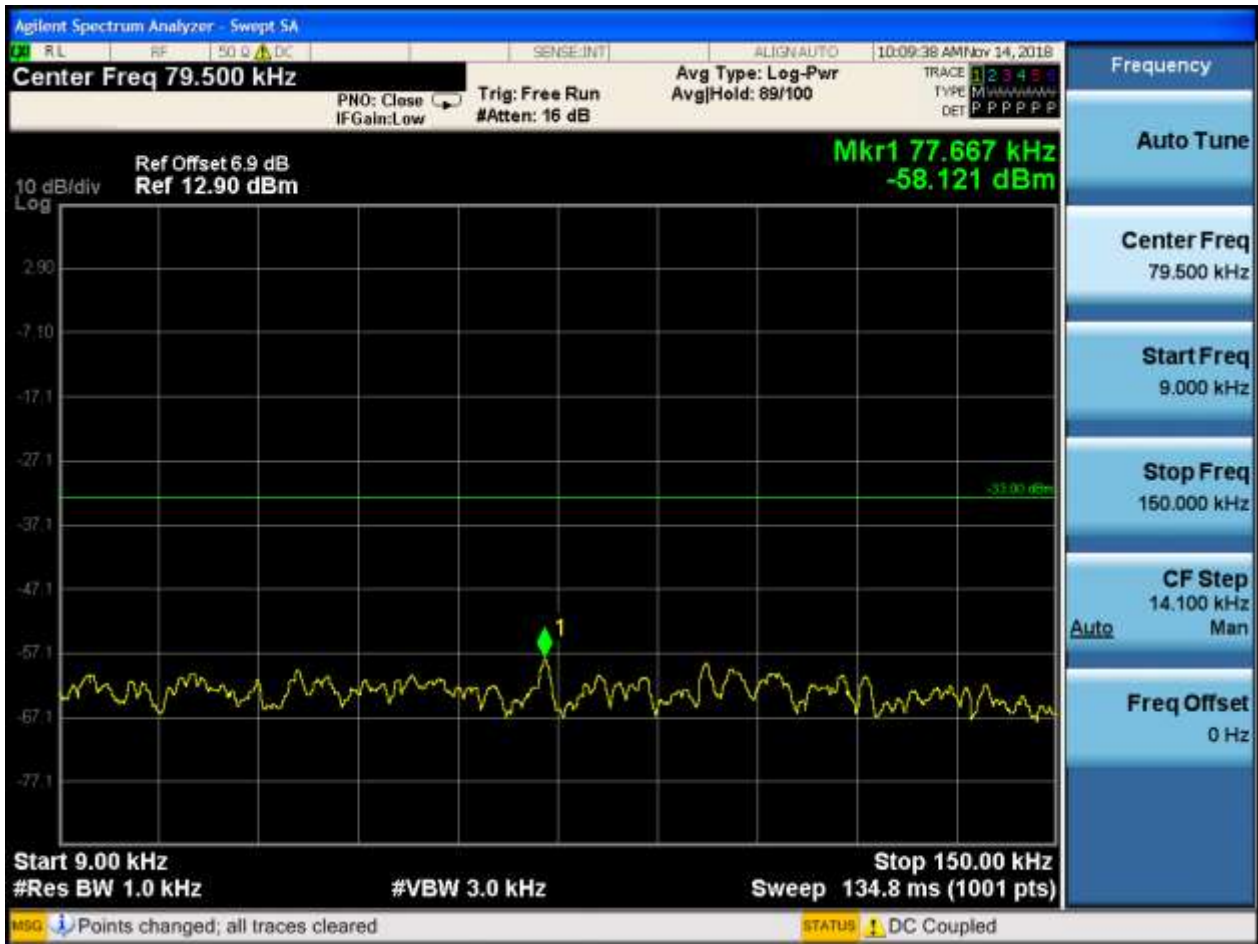


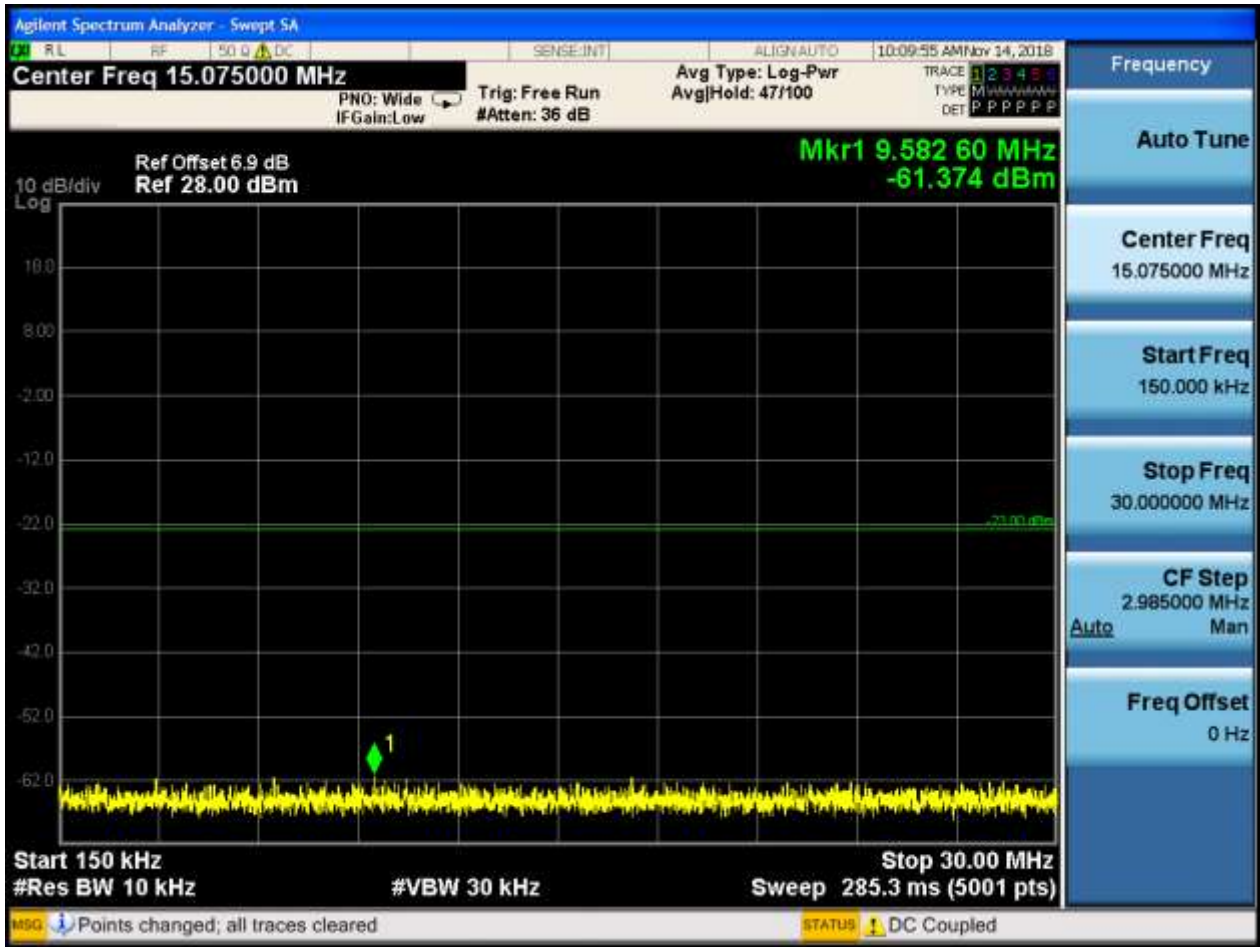


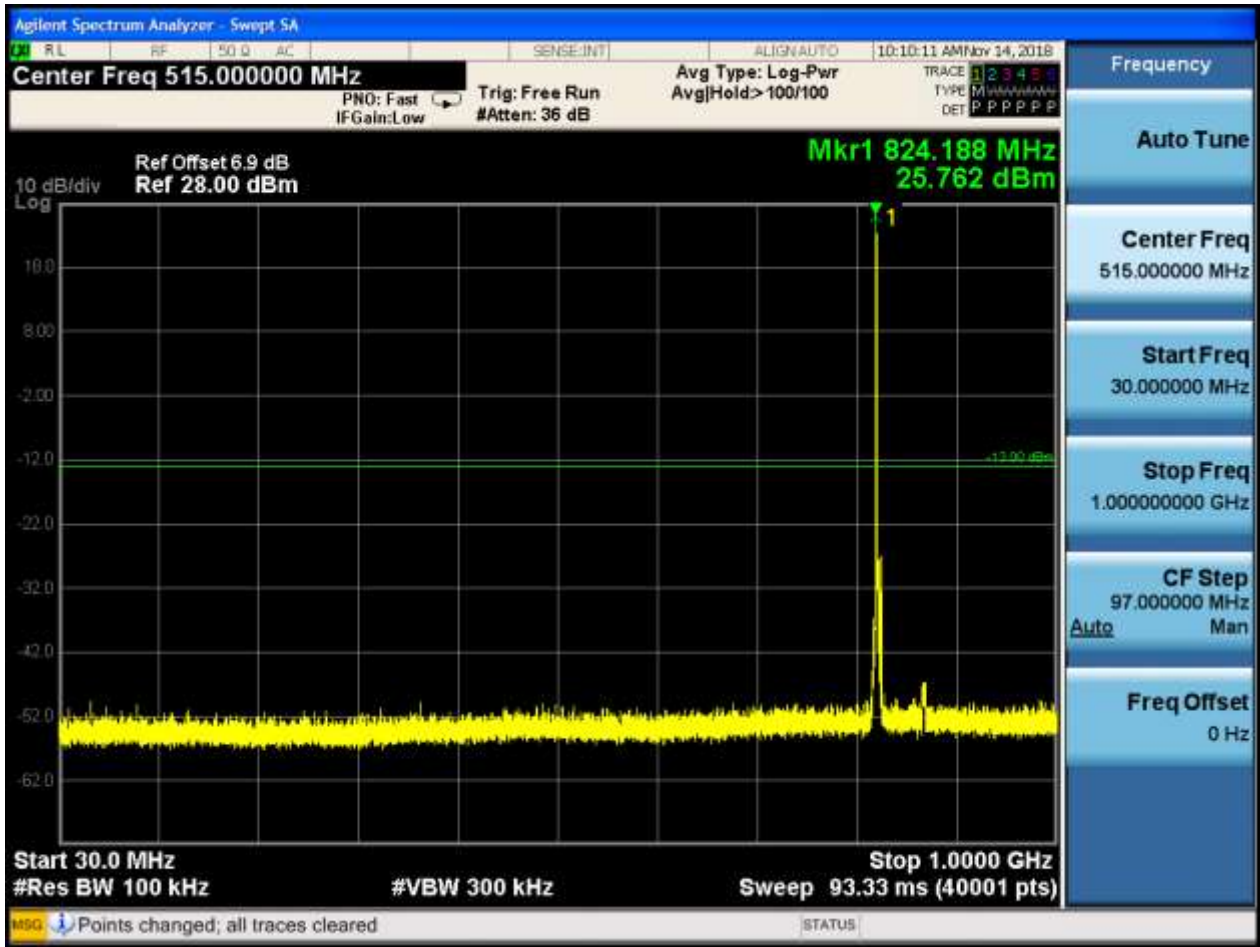
## 6.1.1.2.2 Test Bandwidth = 3

## 6.1.1.2.2.1 Test Channel = LCH

## 6.1.1.2.2.1.1 Test RB = RB1#0







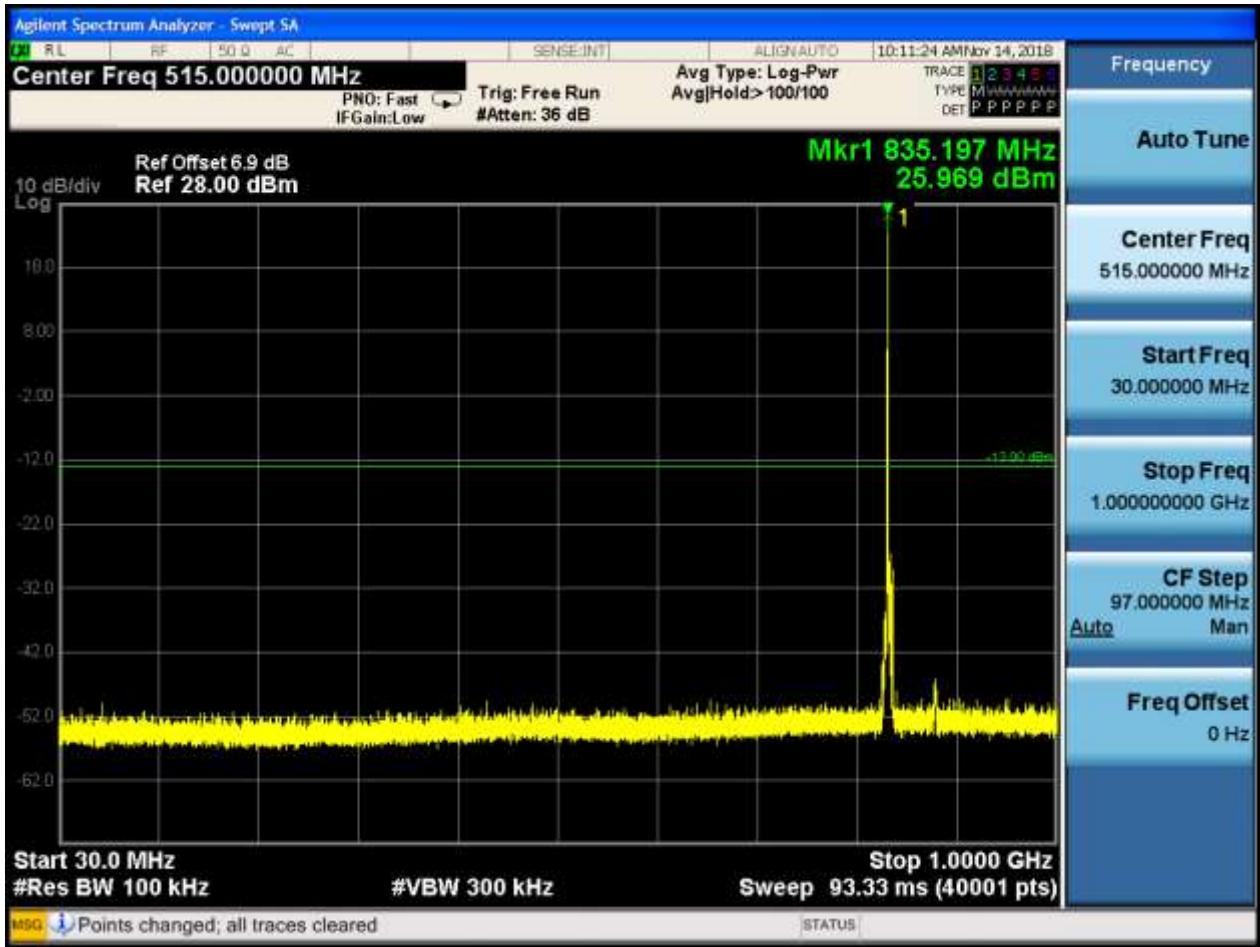


## 6.1.1.2.2 Test Channel = MCH

## 6.1.1.2.2.1 Test RB = RB1#0







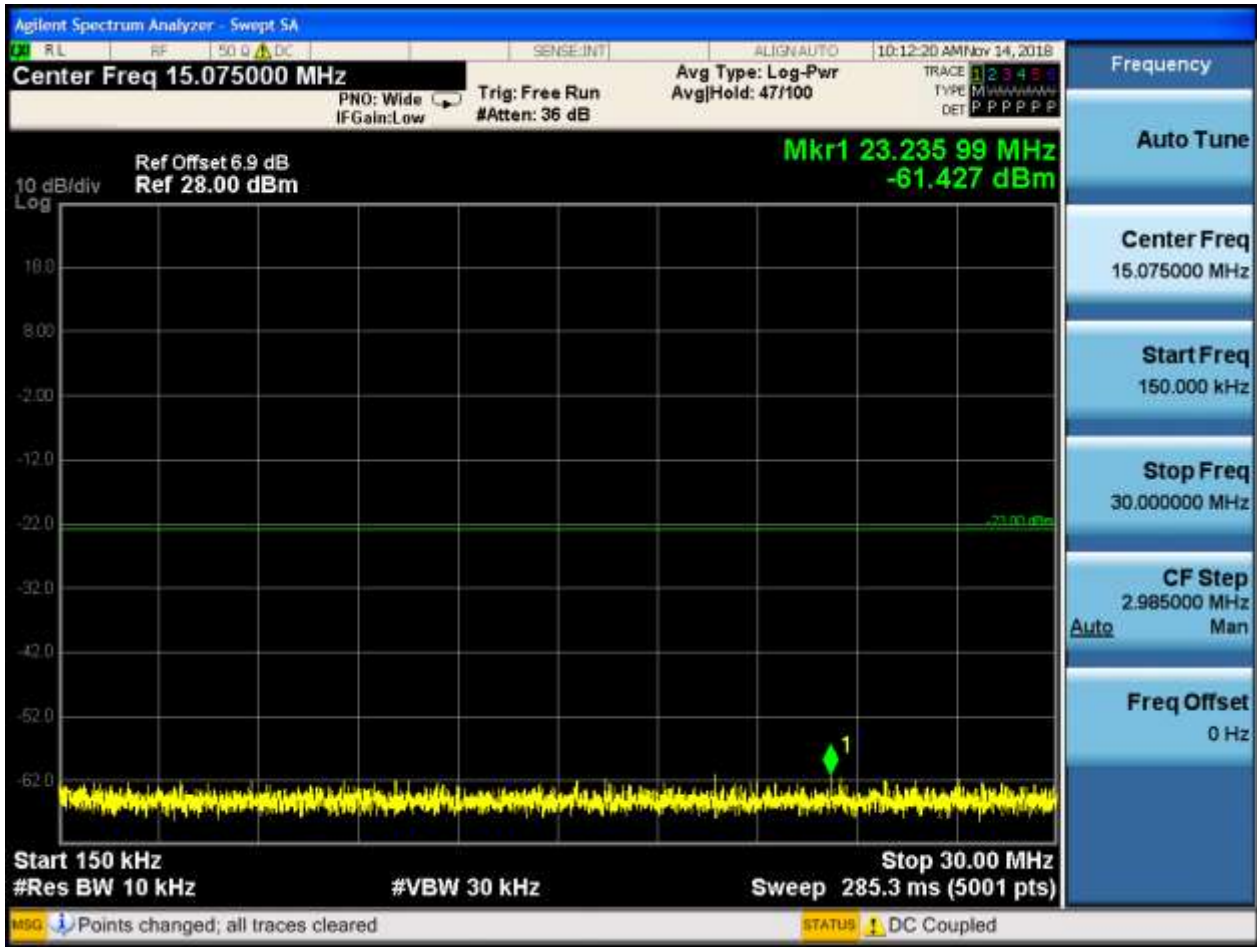


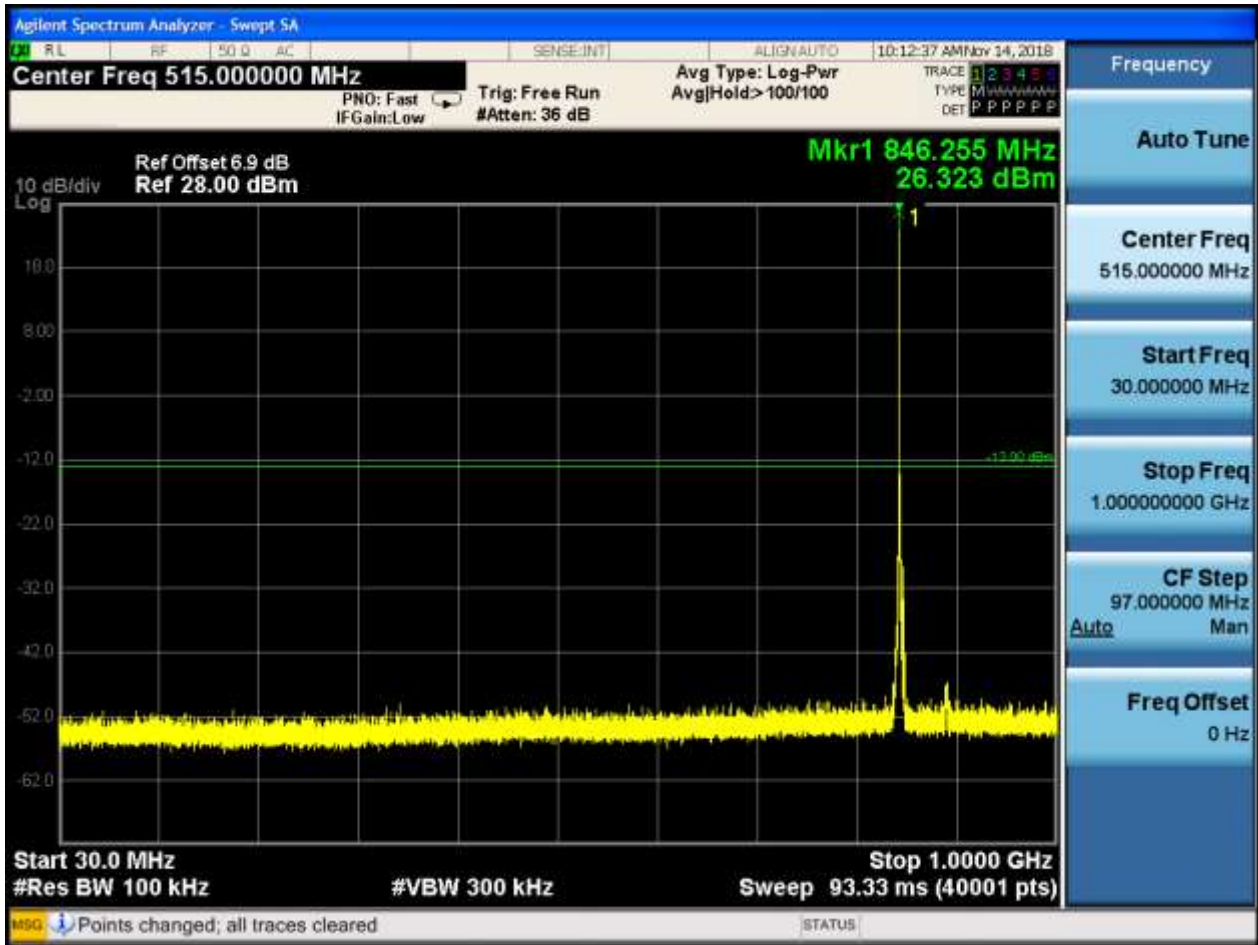


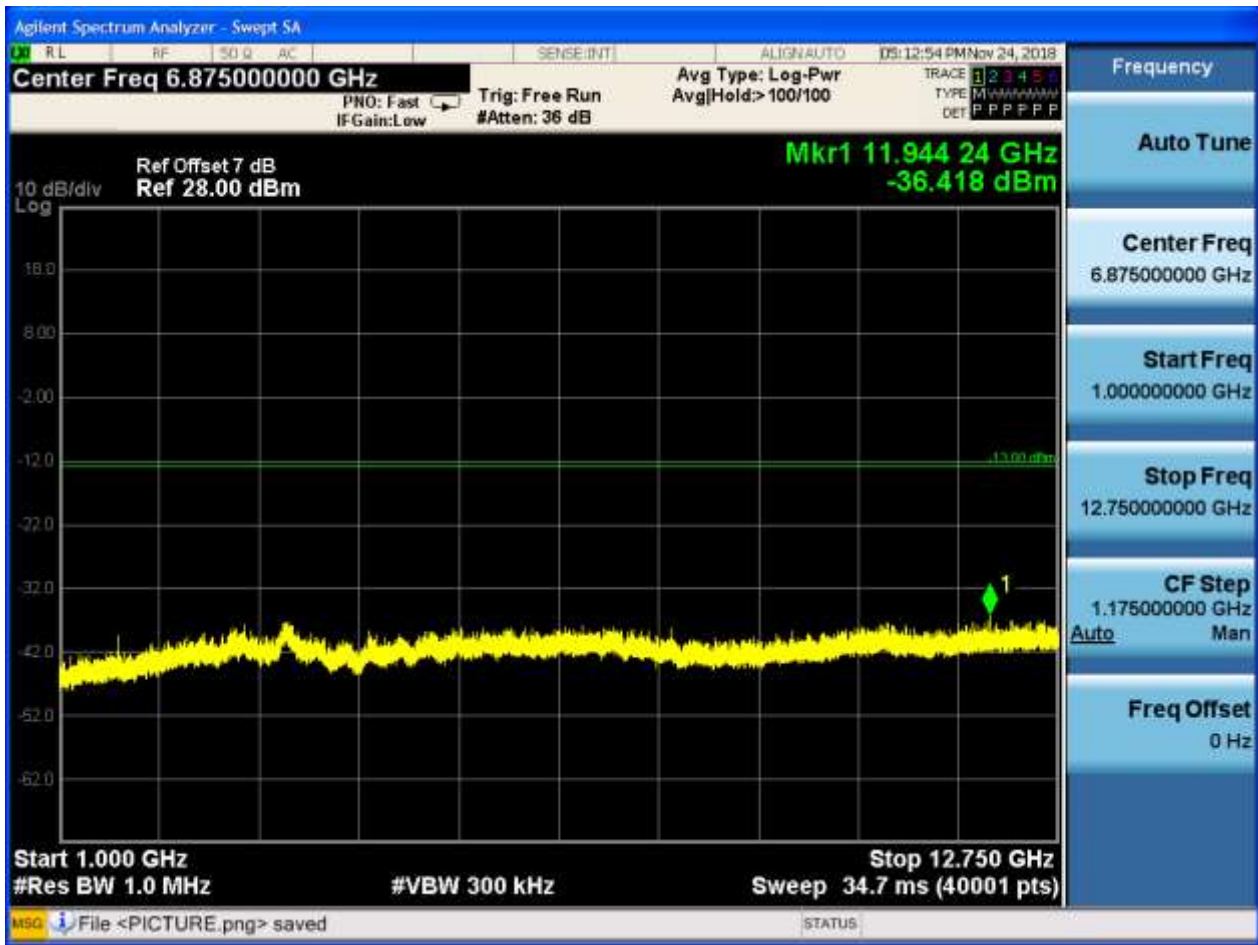
## 6.1.1.2.2.3 Test Channel = HCH

## 6.1.1.2.2.3.1 Test RB = RB1#0







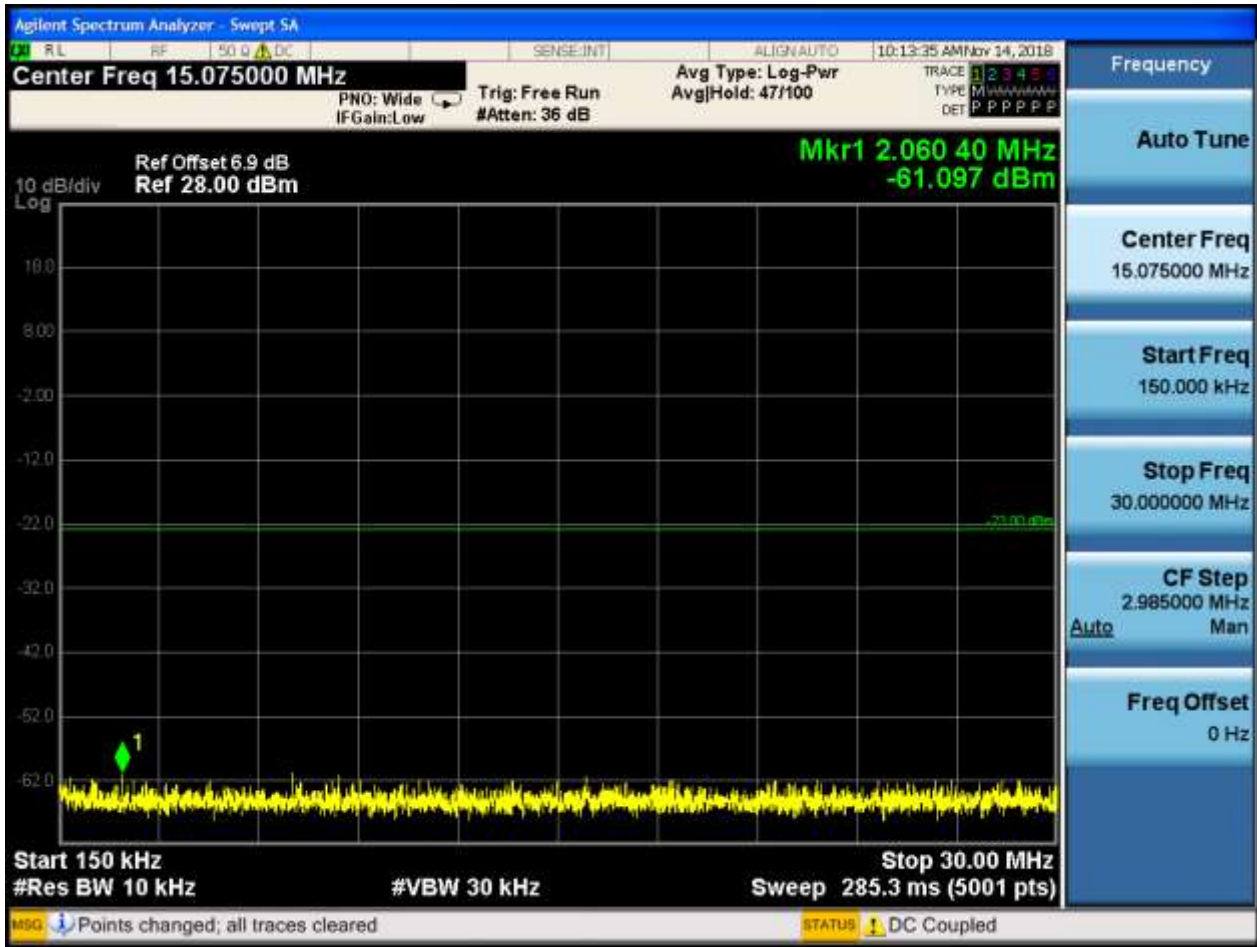


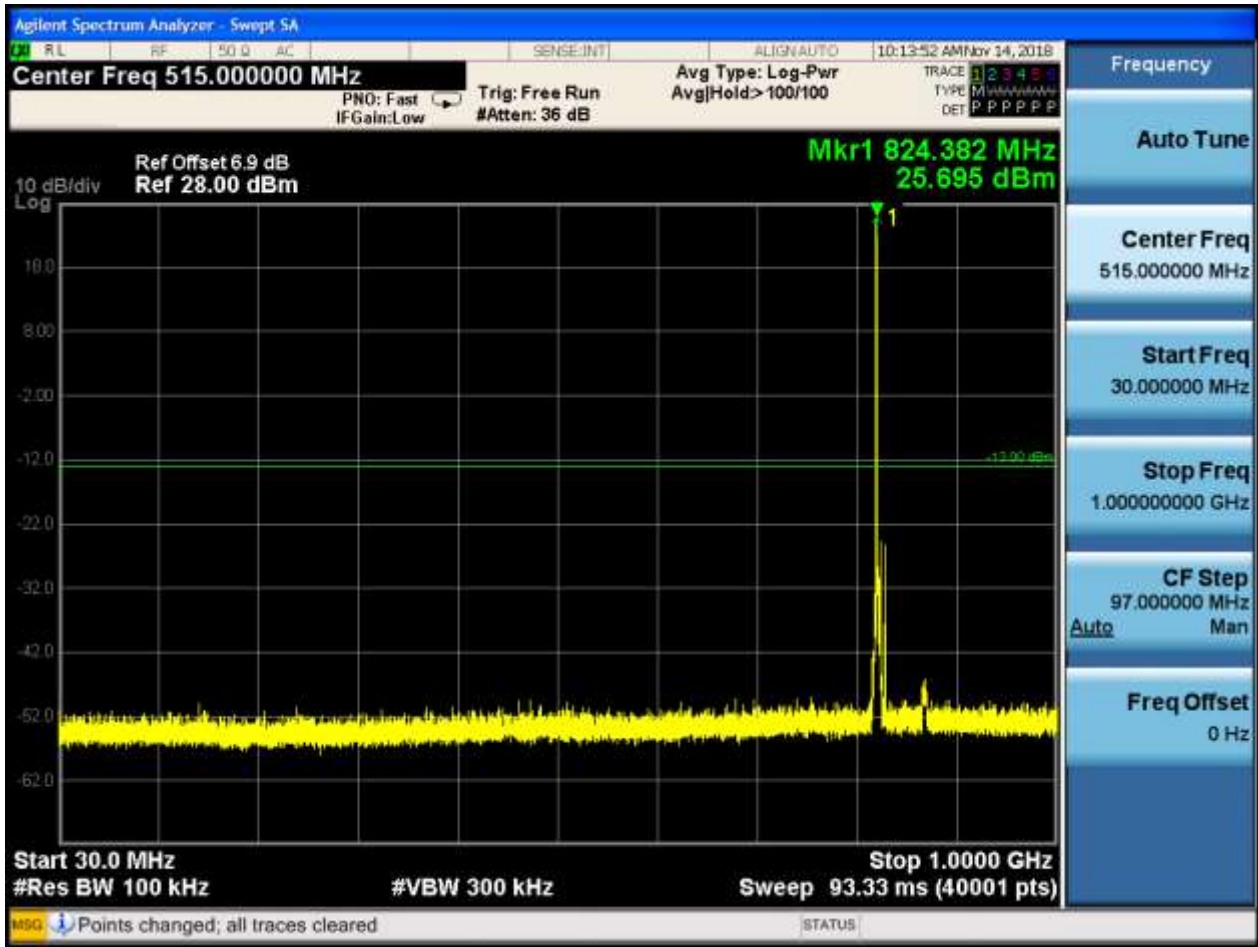
### 6.1.1.2.3 Test Bandwidth = 5

#### 6.1.1.2.3.1 Test Channel = LCH

##### 6.1.1.2.3.1.1 Test RB = RB1#0





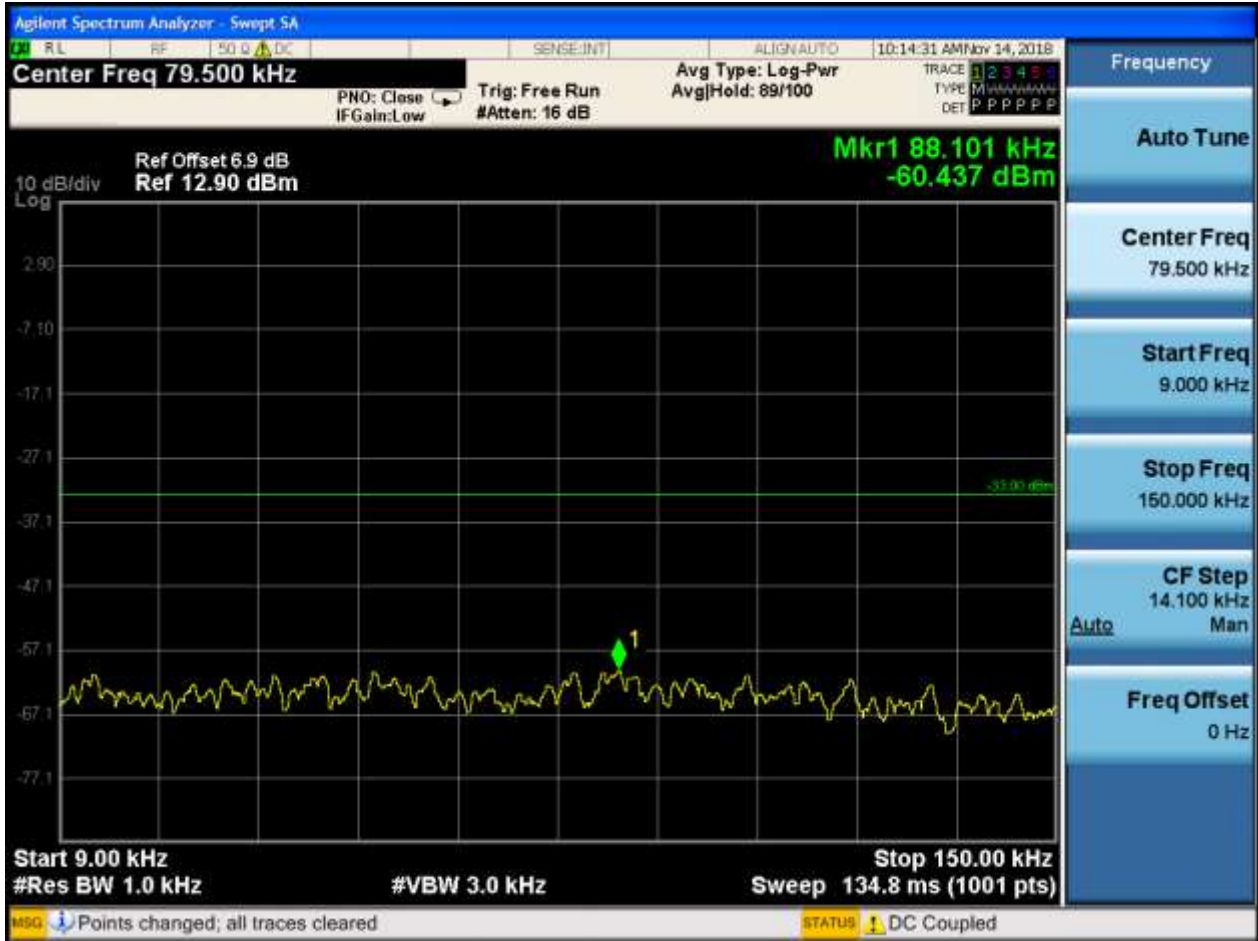




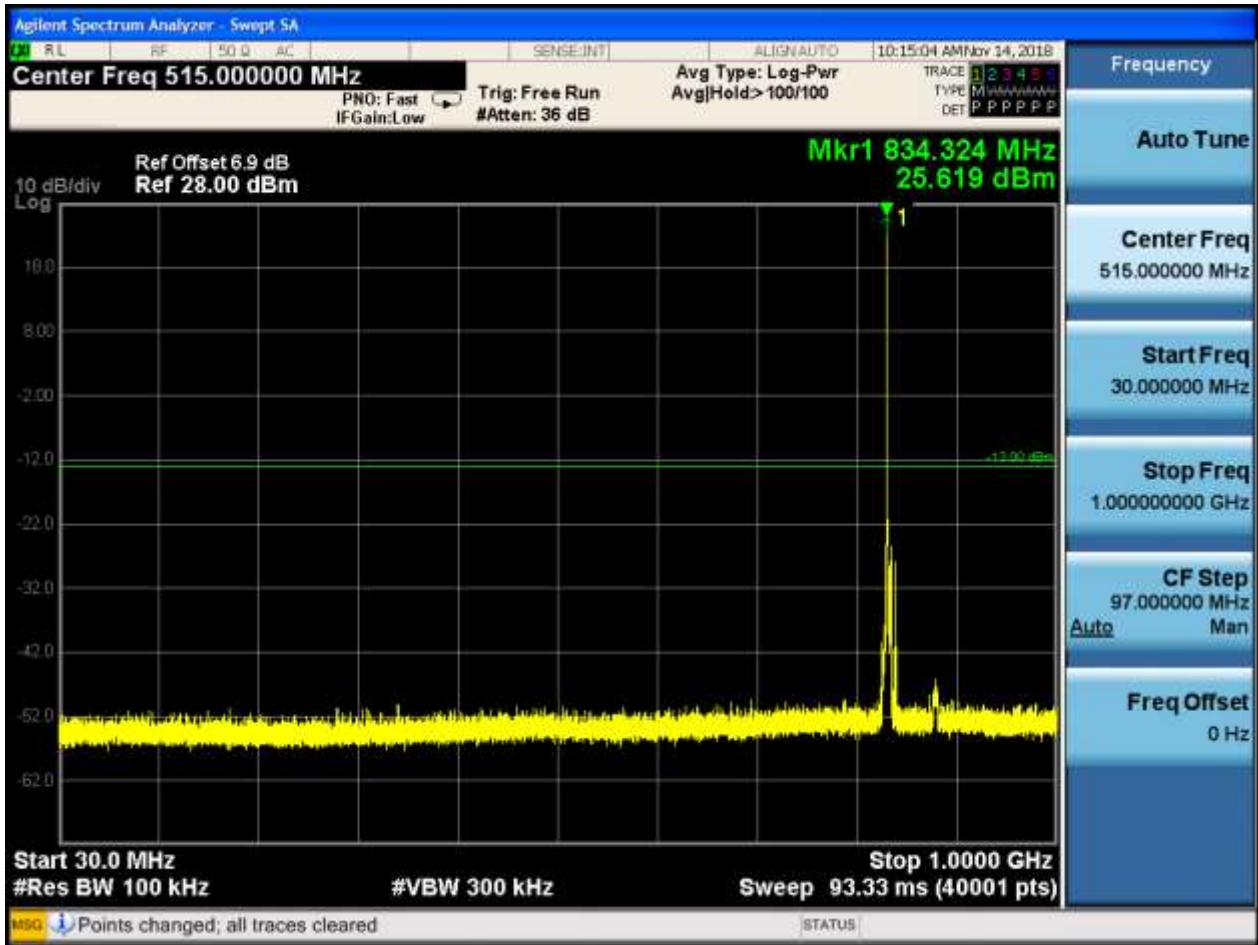


## 6.1.1.2.3.2 Test Channel = MCH

## 6.1.1.2.3.2.1 Test RB = RB1#0







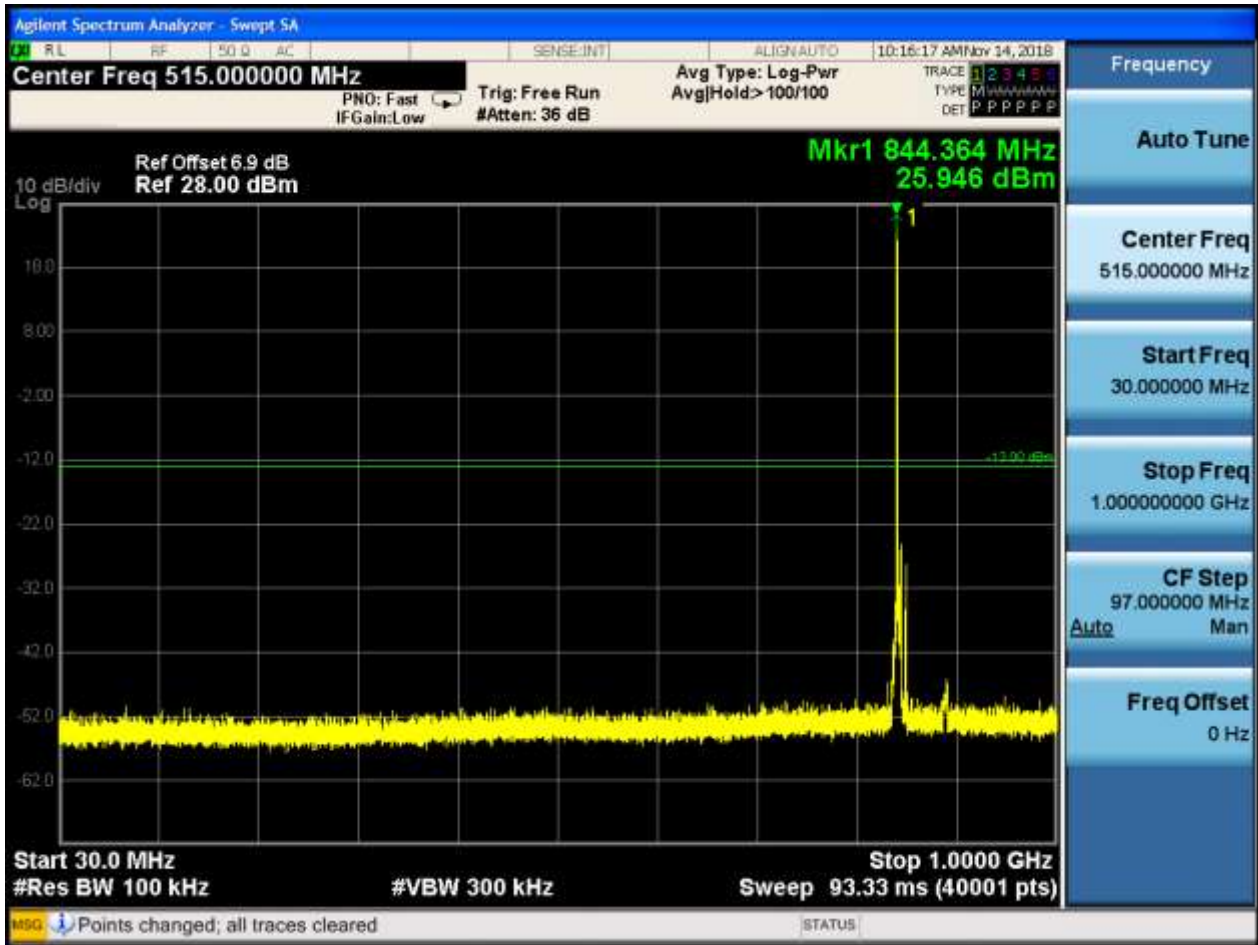


## 6.1.1.2.3.3 Test Channel = HCH

## 6.1.1.2.3.3.1 Test RB = RB1#0









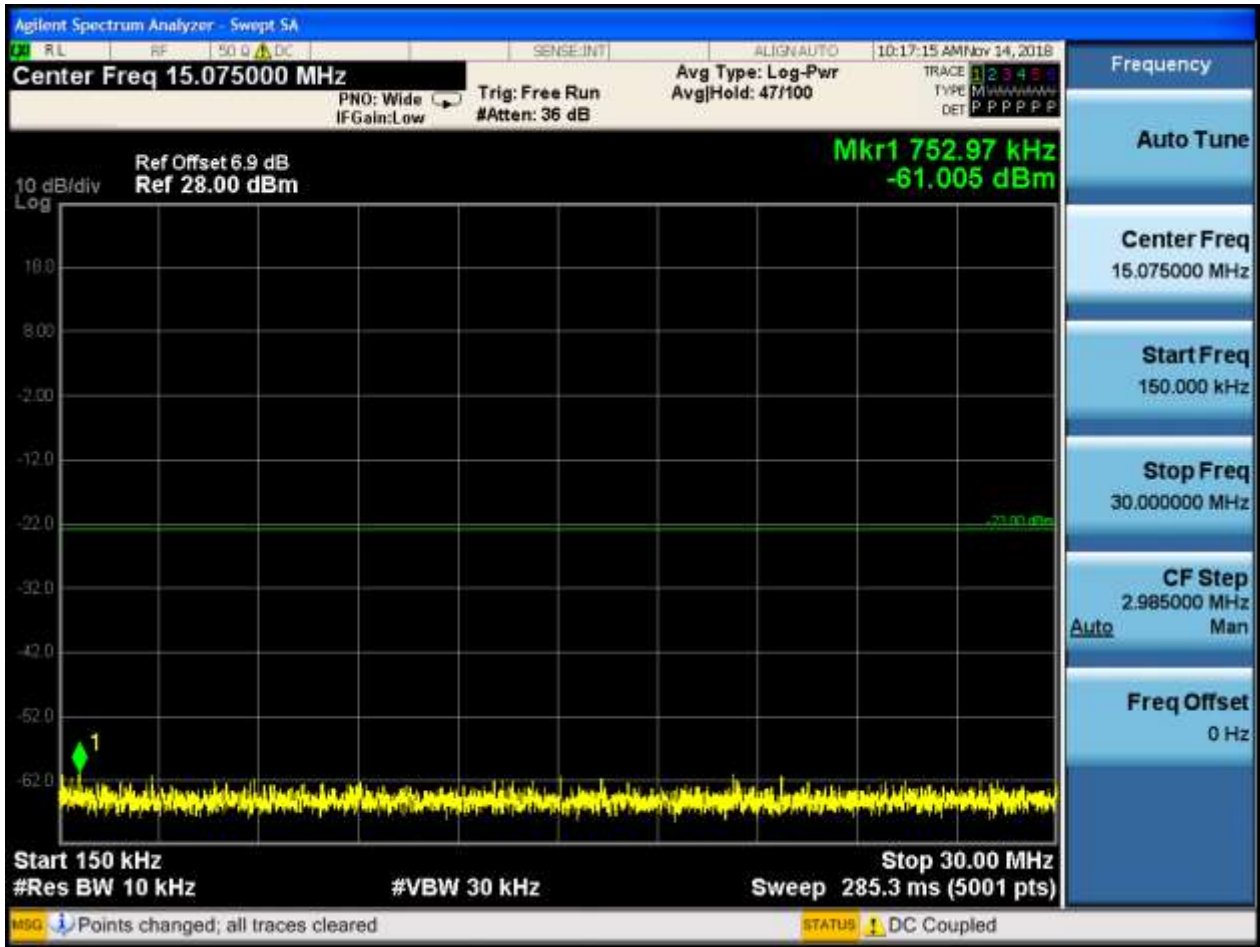


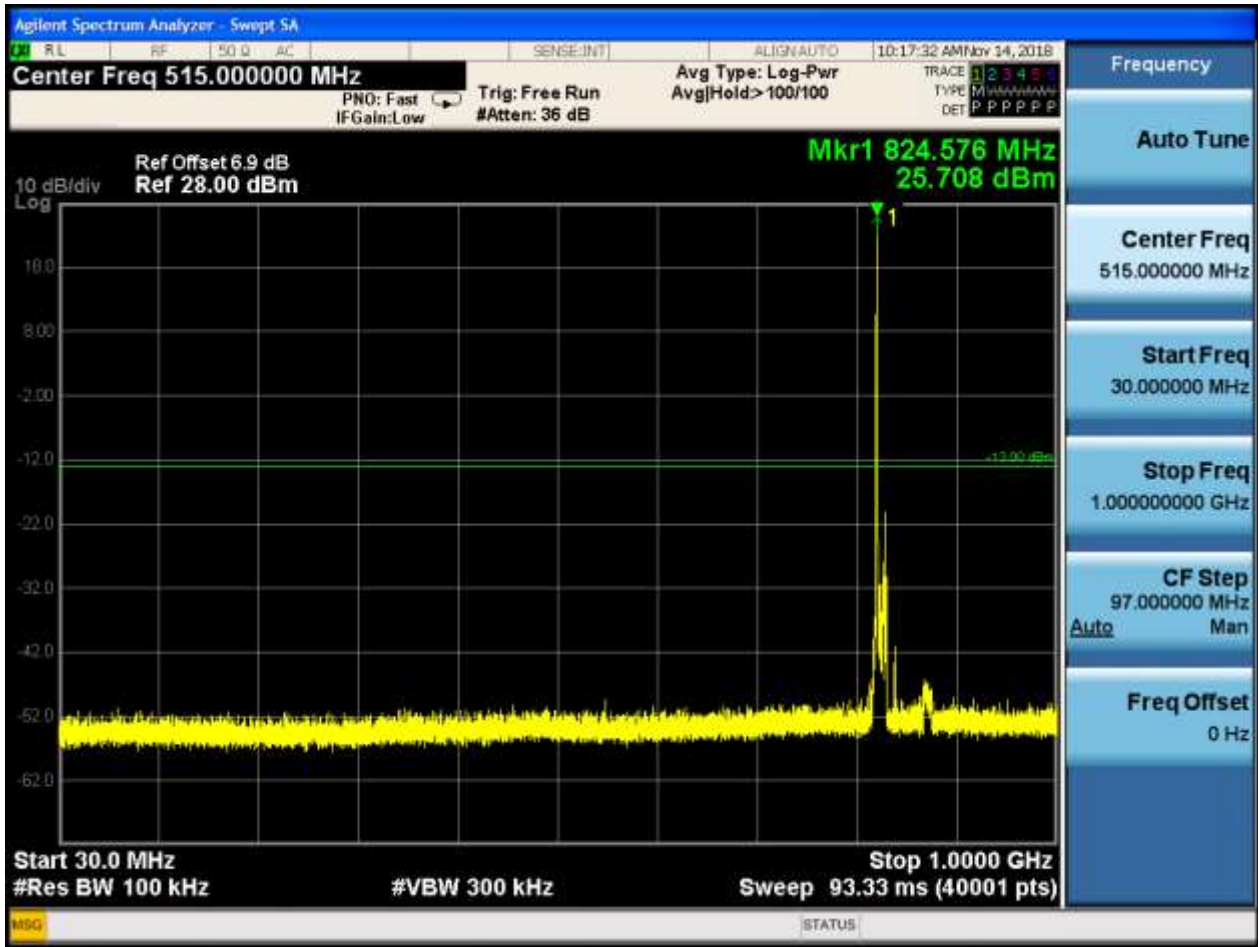
#### 6.1.1.2.4 Test Bandwidth = 10

##### 6.1.1.2.4.1 Test Channel = LCH

##### 6.1.1.2.4.1.1 Test RB = RB1#0







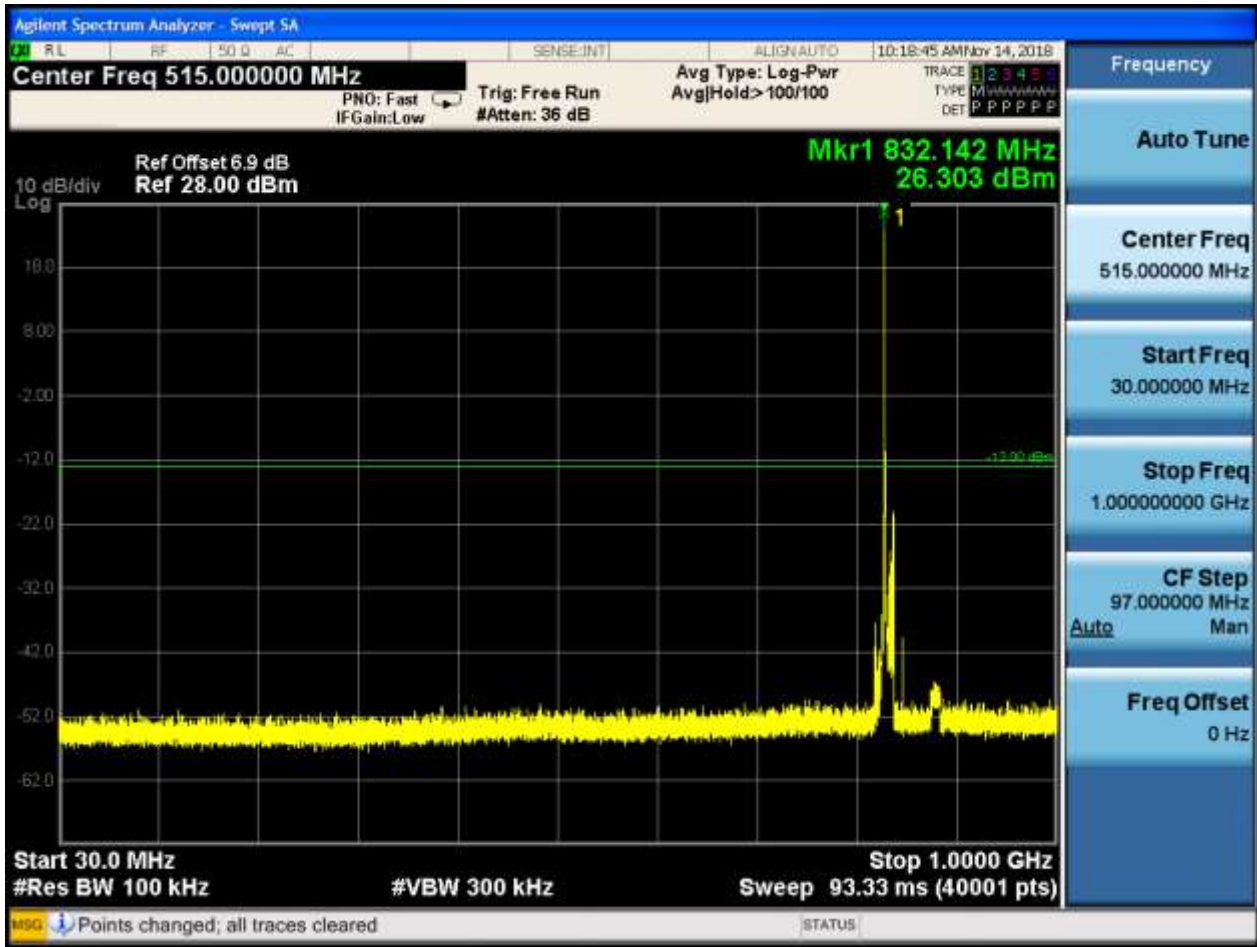


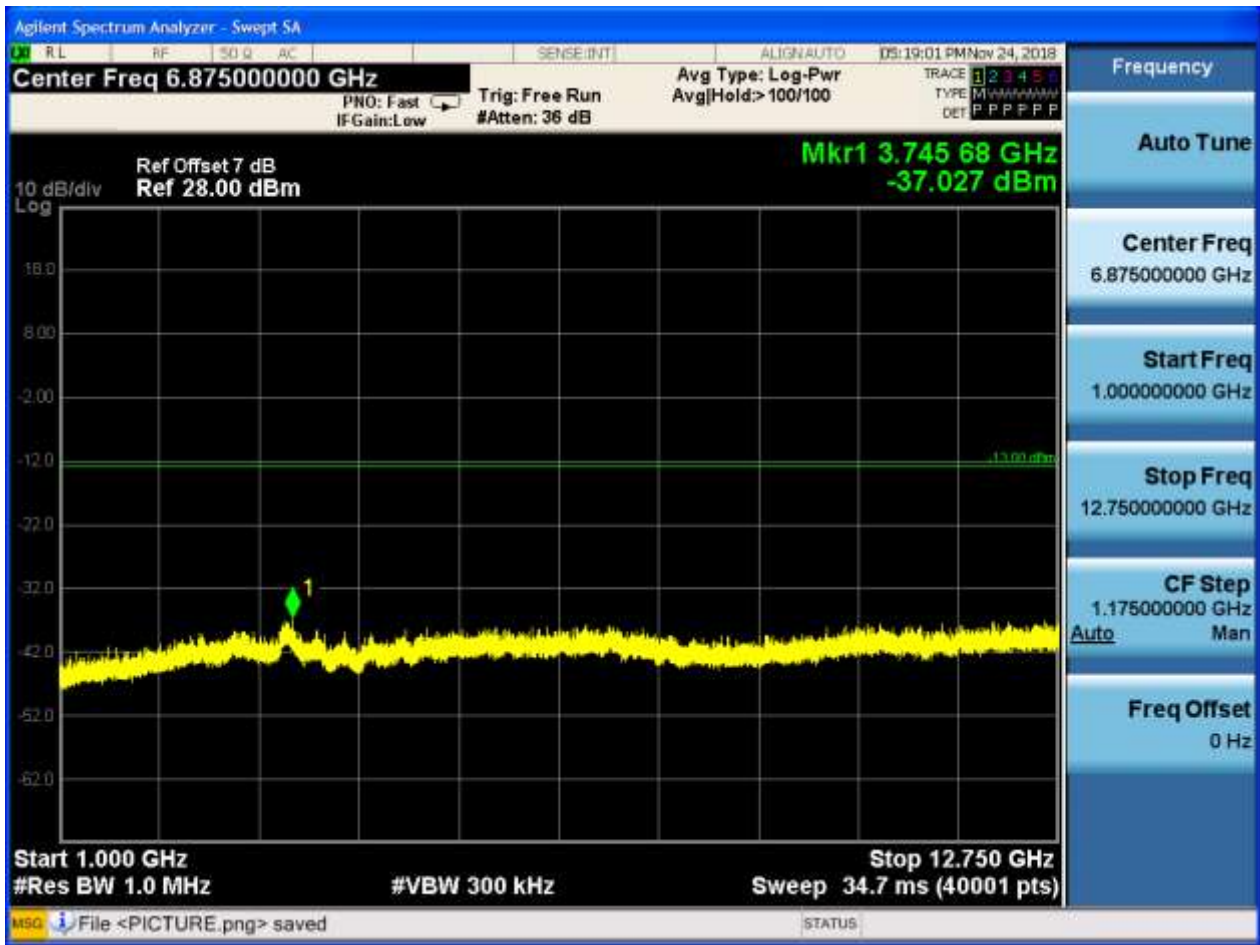
## 6.1.1.2.4.2 Test Channel = MCH

## 6.1.1.2.4.2.1 Test RB = RB1#0







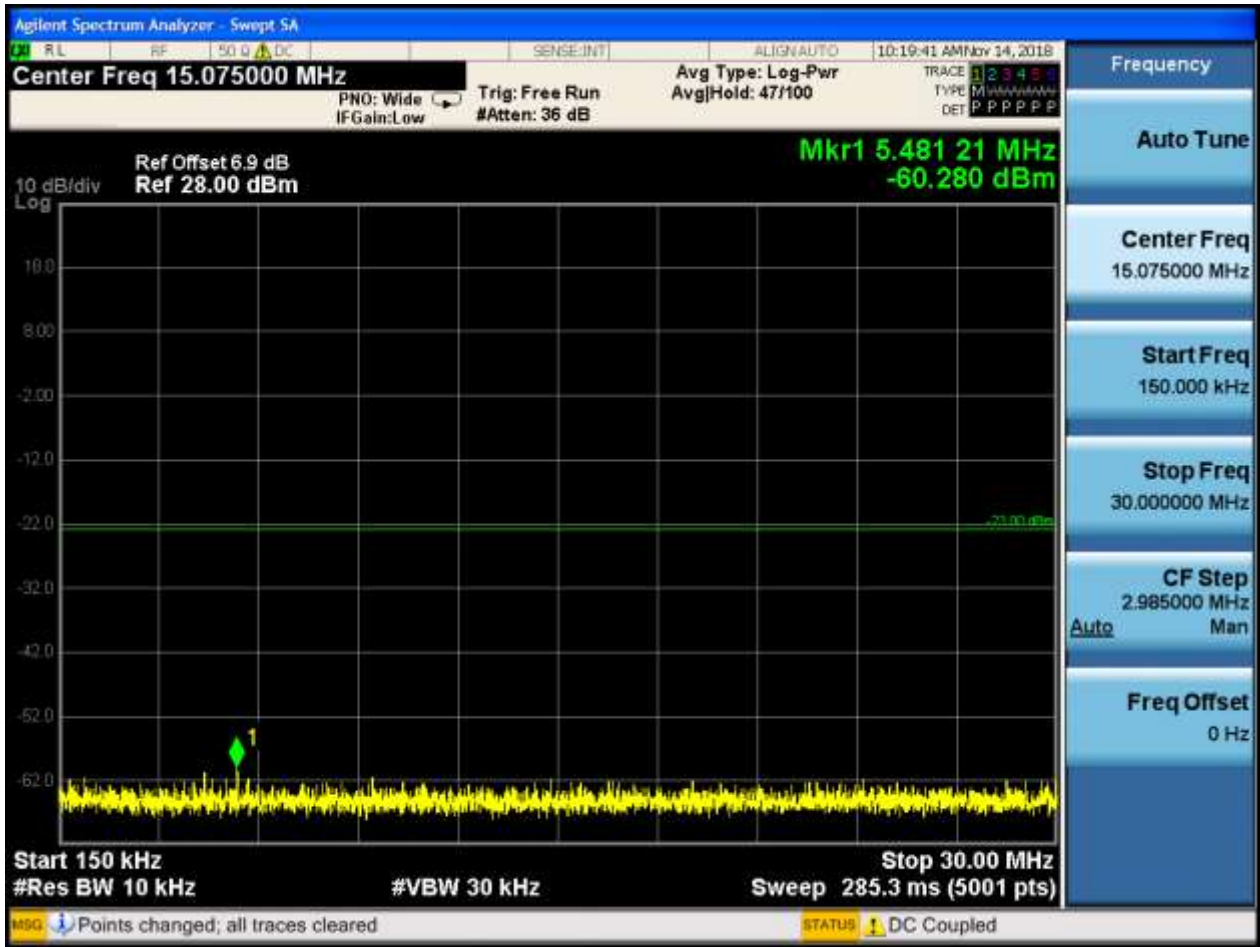


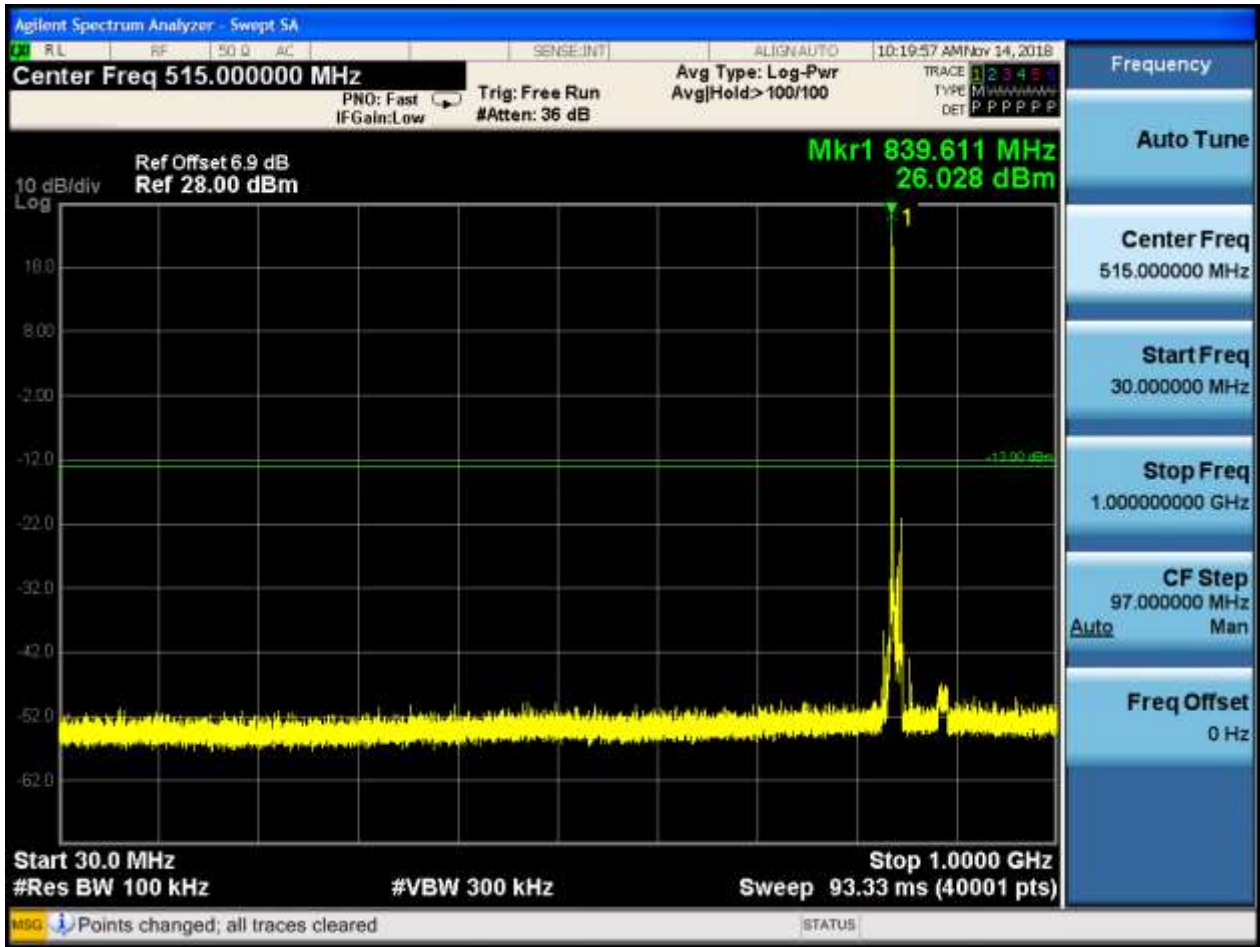


6.1.1.2.4.3 Test Channel = HCH

6.1.1.2.4.3.1 Test RB = RB1#0









## 7Appendix\_G: Field Strength of Spurious Radiation

Note: 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

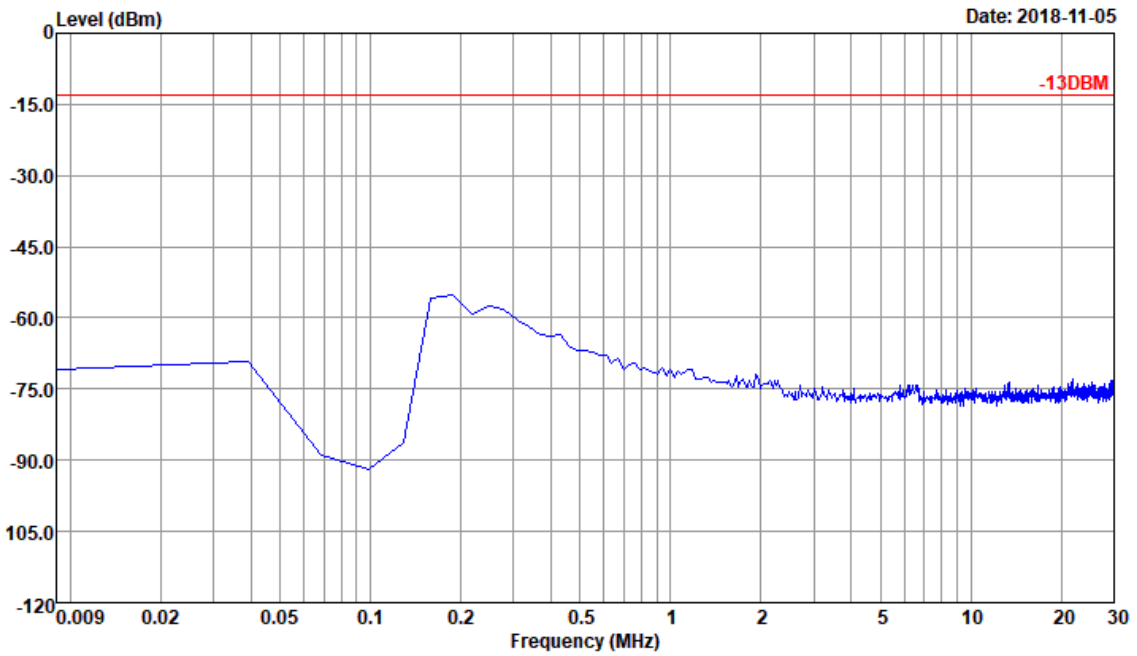
#### 7.1 For LTE

##### 7.1.1 Test Band = BAND5

##### 7.1.1.1 Test Bandwidth = 1.4

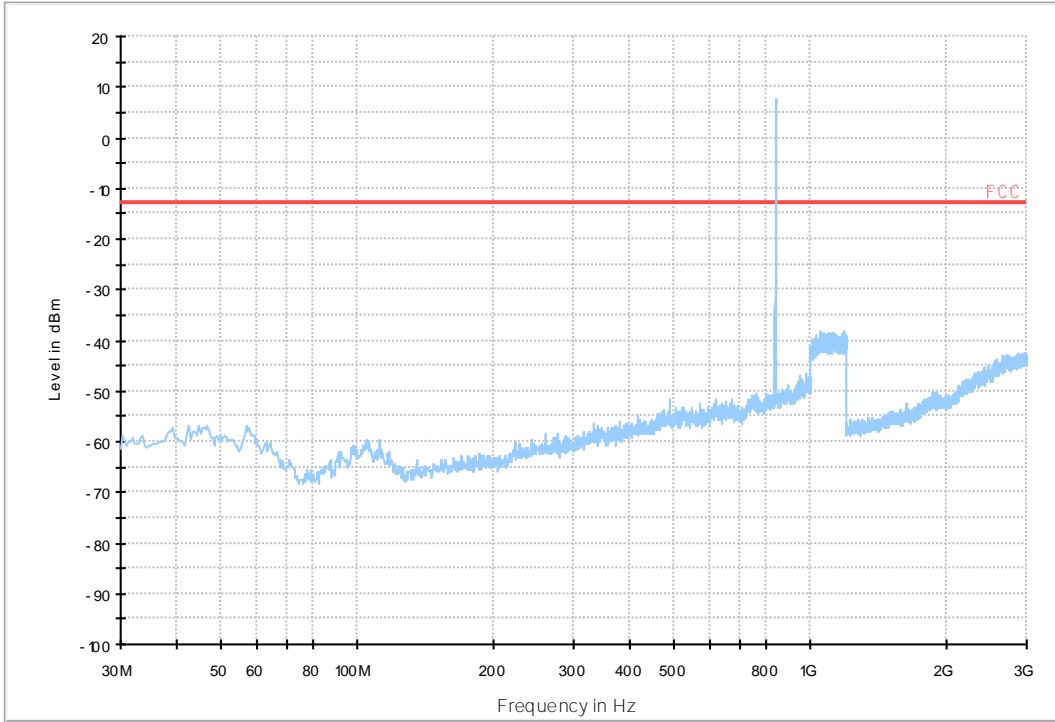


Data: 74

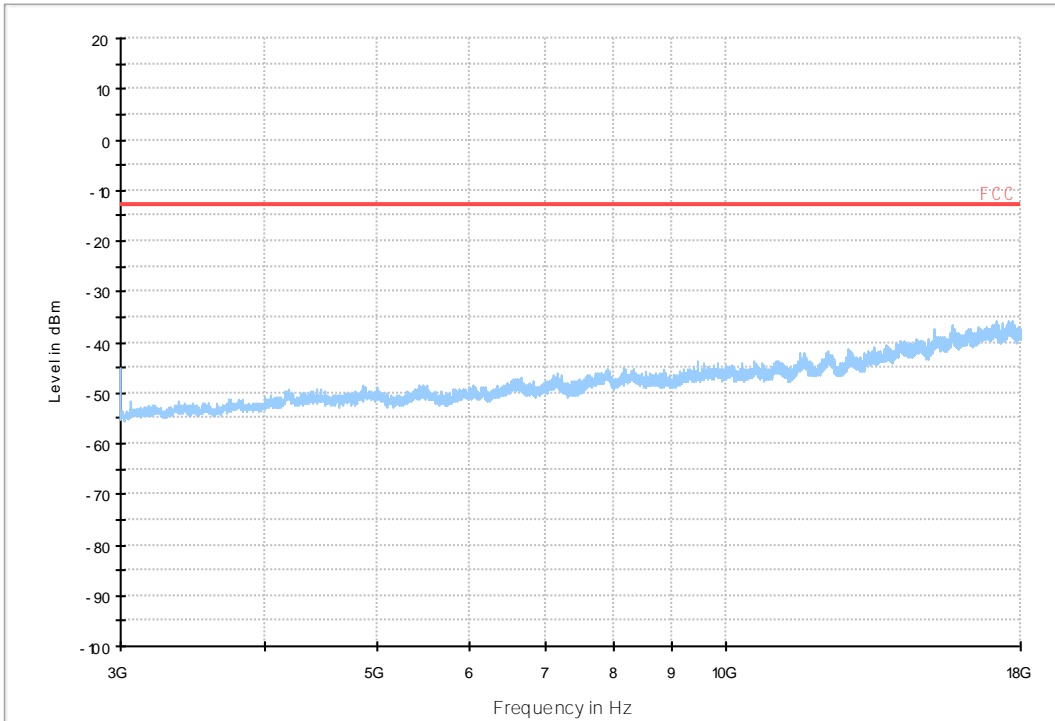


Site : 03CH01-SZ  
Condition : -13DBM 9K-30M AMP NEUTRAL  
: RBW:0.200KHz VBW:0.600KHz  
: DUB-LX1#6 LTE

LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H

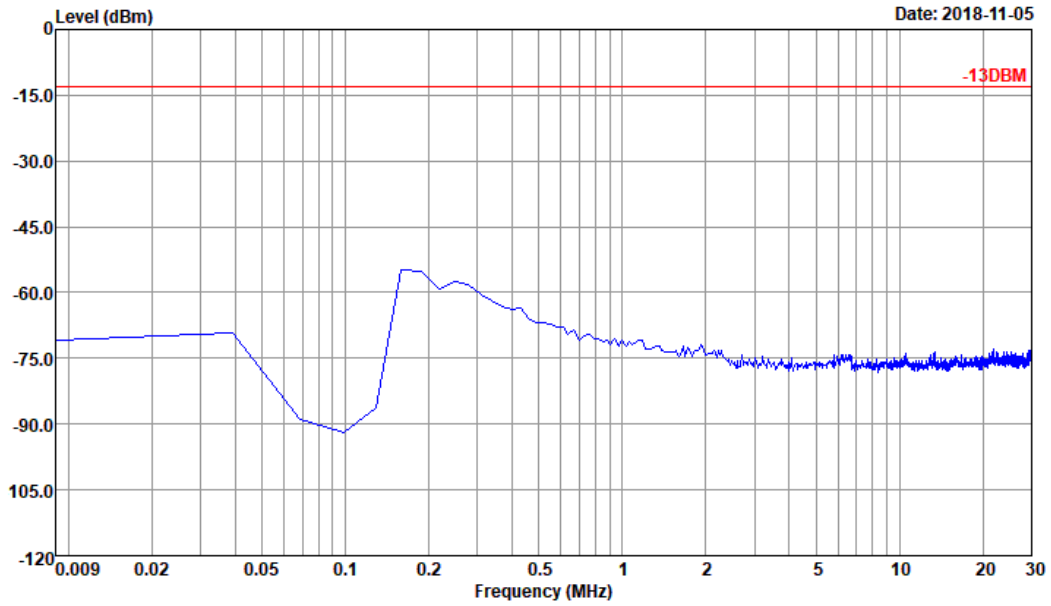


## 7.1.1.2 Test Bandwidth = 10



Data: 78

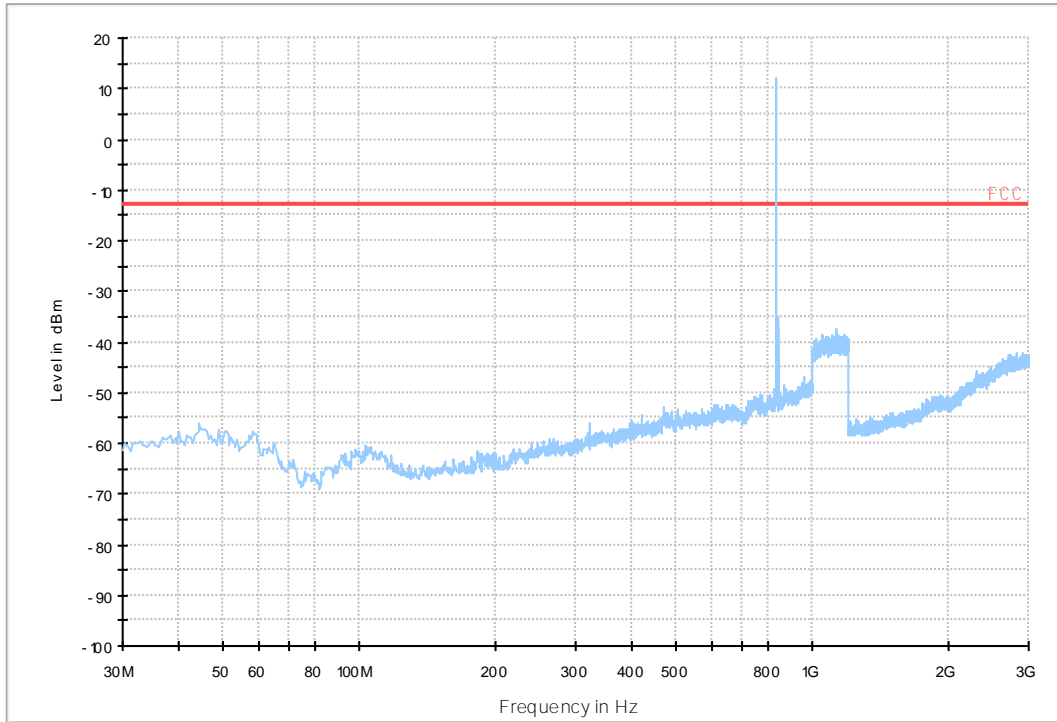
Date: 2018-11-05



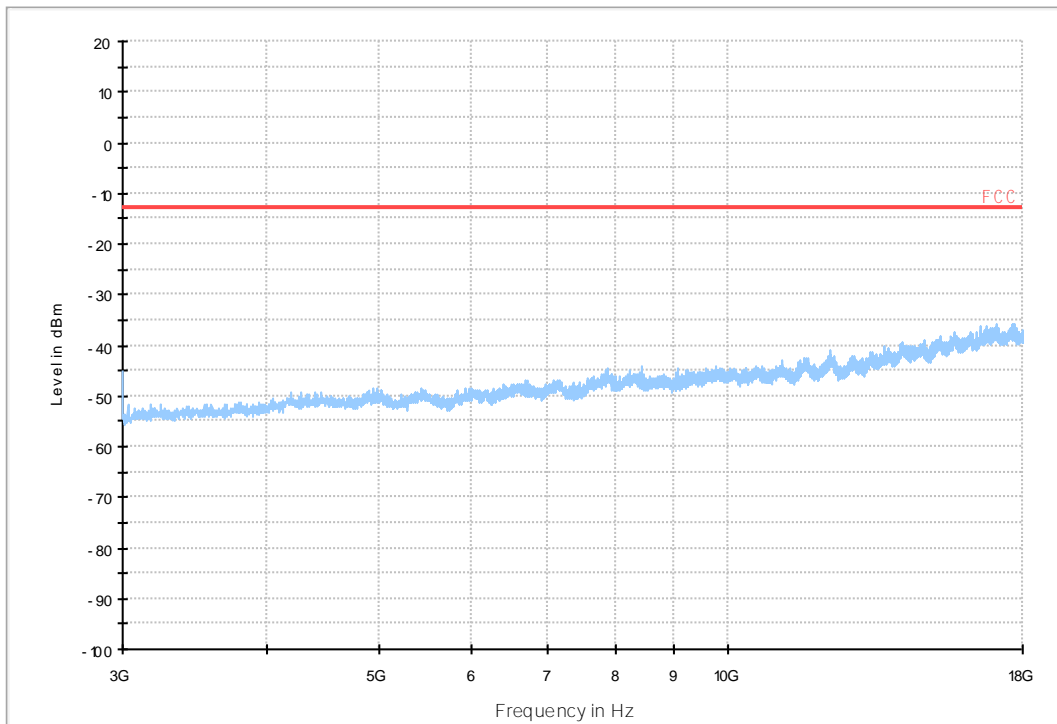
Site : 03CH01-SZ  
Condition : -13DBM 9K-30M AMP NEUTRAL  
: RBW:0.200KHz VBW:0.600KHz  
: DUB-LX1#6 LTE



LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L



LTE FDD RSE-TX-DIRECTOR BELOW 1G\_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
BAND5	LTE/TM1	1.4	LCH	TN	VL	-0.47	-0.00057	PASS
					VN	-1.72	-0.00209	PASS
					VH	-1.54	-0.00187	PASS
			MCH	TN	VL	-1.72	-0.00206	PASS
					VN	0.59	0.00071	PASS
					VH	-0.13	-0.00016	PASS
			HCH	TN	VL	-0.51	-0.0006	PASS
					VN	-3.08	-0.00363	PASS
					VH	-0.11	-0.00013	PASS
		3	LCH	TN	VL	0.09	0.00011	PASS
					VN	-0.39	-0.00047	PASS
					VH	-0.41	-0.0005	PASS
			MCH	TN	VL	-1.32	-0.00158	PASS
					VN	-0.73	-0.00087	PASS
					VH	0.34	0.00041	PASS
			HCH	TN	VL	-1.96	-0.00231	PASS
					VN	-1.3	-0.00153	PASS
					VH	-1.9	-0.00224	PASS
		5	LCH	TN	VL	-0.86	-0.00104	PASS
					VN	-1	-0.00121	PASS
					VH	-1.17	-0.00142	PASS
			MCH	TN	VL	-0.9	-0.00108	PASS
					VN	-1.16	-0.00139	PASS
					VH	-0.29	-0.00035	PASS
			HCH	TN	VL	-0.24	-0.00028	PASS
					VN	0.51	0.0006	PASS
					VH	0.01	0.00001	PASS
		10	LCH	TN	VL	-1.14	-0.00138	PASS
					VN	-0.19	-0.00023	PASS
					VH	-1.17	-0.00141	PASS

LTE/TM2	1.4	MCH	TN	VL	-0.14	-0.00017	PASS
				VN	-0.1	-0.00012	PASS
				VH	-0.74	-0.00088	PASS
		HCH	TN	VL	-0.6	-0.00071	PASS
				VN	-0.84	-0.001	PASS
				VH	-0.63	-0.00075	PASS
		LCH	TN	VL	-0.07	-0.00008	PASS
				VN	-1.87	-0.00227	PASS
				VH	-2	-0.00243	PASS
		MCH	TN	VL	-0.49	-0.00059	PASS
				VN	-1.66	-0.00198	PASS
				VH	-0.99	-0.00118	PASS
	HCH	TN	VL	0.39	0.00046	PASS	
			VN	0.7	0.00083	PASS	
			VH	-1.07	-0.00126	PASS	
	3	LCH	TN	VL	-0.41	-0.0005	PASS
				VN	-0.77	-0.00093	PASS
				VH	-0.07	-0.00008	PASS
		MCH	TN	VL	-0.2	-0.00024	PASS
				VN	-1.06	-0.00127	PASS
				VH	-1.04	-0.00124	PASS
		HCH	TN	VL	-1.33	-0.00157	PASS
				VN	-1.09	-0.00129	PASS
				VH	-2.5	-0.00295	PASS
	5	LCH	TN	VL	-2.62	-0.00317	PASS
				VN	-1.85	-0.00224	PASS
				VH	-1.54	-0.00186	PASS
		MCH	TN	VL	0.54	0.00065	PASS
				VN	0.07	0.00008	PASS
				VH	-0.17	-0.0002	PASS
	HCH	TN	VL	0.31	0.00037	PASS	
			VN	0.07	0.00008	PASS	
			VH	-0.06	-0.00007	PASS	
	10	LCH	TN	VL	1.53	0.00185	PASS
				VN	-0.2	-0.00024	PASS
				VH	-1.49	-0.0018	PASS
		MCH	TN	VL	-0.21	-0.00025	PASS
				VN	-1.09	-0.0013	PASS
				VH	-0.43	-0.00051	PASS
	HCH	TN	VL	-0.34	-0.0004	PASS	
			VN	-0.89	-0.00105	PASS	

					VH	-1.02	-0.00121	PASS
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**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
BAND5	LTE/TM1	1.4	LCH	VN	-30	-1.06	-0.00129	PASS
					-20	-0.09	-0.00011	PASS
					-10	-0.27	-0.00033	PASS
					0	-2.6	-0.00315	PASS
					10	-3.45	-0.00418	PASS
					20	-1.66	-0.00201	PASS
					30	-1.09	-0.00132	PASS
			40	-3.22	-0.0039	PASS		
			50	-1.7	-0.00206	PASS		
			MCH	VN	-30	-1.13	-0.00135	PASS
					-20	-1.83	-0.00219	PASS
					-10	-2.1	-0.00251	PASS
					0	-1.13	-0.00135	PASS
					10	-2.15	-0.00257	PASS
		20			-2.46	-0.00294	PASS	
		30			-1.75	-0.00209	PASS	
		40	-2.6	-0.00311	PASS			
		50	-0.41	-0.00049	PASS			
		HCH	VN	-30	1.27	0.0015	PASS	
				-20	-0.29	-0.00034	PASS	
				-10	-0.01	-0.00001	PASS	
				0	-1.36	-0.0016	PASS	
				10	-0.76	-0.0009	PASS	
				20	-1.75	-0.00206	PASS	
				30	-1.44	-0.0017	PASS	
		40	-0.79	-0.00093	PASS			
		50	-1.49	-0.00176	PASS			
		3	LCH	VN	-30	-1.59	-0.00193	PASS
-20	-0.63				-0.00076	PASS		
-10	0.53				0.00064	PASS		
0	0.69				0.00084	PASS		
10	0.27				0.00033	PASS		
20	-1.6				-0.00194	PASS		
30	-1.17				-0.00142	PASS		
40	-1.17				-0.00142	PASS		

			MCH	VN	50	-0.13	-0.00016	PASS
					-30	-1.63	-0.00195	PASS
					-20	0.76	0.00091	PASS
					-10	0.54	0.00065	PASS
					0	-0.34	-0.00041	PASS
					10	-1.43	-0.00171	PASS
					20	0.01	0.00001	PASS
					30	-0.13	-0.00016	PASS
					40	-0.96	-0.00115	PASS
					50	-2.02	-0.00241	PASS
			HCH	VN	-30	-2.09	-0.00247	PASS
					-20	-1.3	-0.00153	PASS
					-10	-0.62	-0.00073	PASS
					0	-0.53	-0.00063	PASS
					10	-2.02	-0.00238	PASS
					20	-1.1	-0.0013	PASS
					30	-0.19	-0.00022	PASS
					40	-1.75	-0.00206	PASS
			LCH	VN	50	-1.26	-0.00149	PASS
					-30	-2.26	-0.00273	PASS
					-20	-1.63	-0.00197	PASS
					-10	-1.72	-0.00208	PASS
					0	-1.36	-0.00165	PASS
					10	-1.93	-0.00234	PASS
					20	-1.36	-0.00165	PASS
					30	-1.99	-0.00241	PASS
					40	-2.83	-0.00342	PASS
					50	-1.9	-0.0023	PASS
			MCH	VN	-30	-1.02	-0.00122	PASS
					-20	-0.34	-0.00041	PASS
					-10	-0.96	-0.00115	PASS
					0	-1.1	-0.00132	PASS
					10	0.59	0.00071	PASS
					20	-1.24	-0.00148	PASS
					30	-0.84	-0.001	PASS
					40	-0.87	-0.00104	PASS
					50	-0.13	-0.00016	PASS
					HCH	VN	-30	-0.67
			-20	-0.06			-0.00007	PASS
			-10	0.27			0.00032	PASS
0	-1.02	-0.0012	PASS					

		10	LCH	VN	10	-0.51	-0.0006	PASS
					20	0.1	0.00012	PASS
					30	-0.77	-0.00091	PASS
					40	-0.33	-0.00039	PASS
					50	0.29	0.00034	PASS
					-30	0.44	0.00053	PASS
					-20	-0.46	-0.00055	PASS
					-10	1.02	0.00123	PASS
					0	-0.07	-0.00008	PASS
					10	-0.33	-0.0004	PASS
			20	-0.34	-0.00041	PASS		
			30	-0.73	-0.00088	PASS		
			40	-0.47	-0.00057	PASS		
			50	-0.33	-0.0004	PASS		
			MCH	VN	-30	-0.6	-0.00072	PASS
					-20	-0.2	-0.00024	PASS
					-10	-0.47	-0.00056	PASS
					0	-0.6	-0.00072	PASS
					10	-0.99	-0.00118	PASS
					20	-1.42	-0.0017	PASS
	30	-0.46			-0.00055	PASS		
	40	-1.29			-0.00154	PASS		
	50	-0.59			-0.00071	PASS		
	HCH	VN			-30	-1	-0.00118	PASS
			-20	-2.12	-0.00251	PASS		
			-10	-1.43	-0.00169	PASS		
			0	-1.32	-0.00156	PASS		
			10	-1.09	-0.00129	PASS		
			20	-0.53	-0.00063	PASS		
			30	-1.75	-0.00207	PASS		
			40	-0.09	-0.00011	PASS		
			50	-1.2	-0.00142	PASS		
			LTE/TM2	1.4	LCH	VN	-30	-0.56
	-20	-1.23					-0.00149	PASS
	-10	-0.6					-0.00073	PASS
	0	0.51					0.00062	PASS
	10	-1.23					-0.00149	PASS
	20	-1.57					-0.0019	PASS
	30	-1.99					-0.00241	PASS
	40	0.62					0.00075	PASS
50	-1.97	-0.00239					PASS	

			MCH	VN	-30	-1.49	-0.00178	PASS
					-20	1.77	0.00212	PASS
					-10	-0.07	-0.00008	PASS
					0	0.64	0.00077	PASS
					10	-1.96	-0.00234	PASS
					20	0.44	0.00053	PASS
					30	0.29	0.00035	PASS
					40	-0.6	-0.00072	PASS
					50	0.57	0.00068	PASS
			HCH	VN	-30	-0.33	-0.00039	PASS
					-20	-0.57	-0.00067	PASS
					-10	-0.94	-0.00111	PASS
					0	0.39	0.00046	PASS
					10	-0.6	-0.00071	PASS
					20	-0.74	-0.00087	PASS
					30	0.19	0.00022	PASS
					40	-0.16	-0.00019	PASS
					50	-1.16	-0.00137	PASS
			LCH	VN	-30	-0.01	-0.00001	PASS
					-20	0.31	0.00038	PASS
					-10	-0.77	-0.00093	PASS
					0	0.9	0.00109	PASS
					10	-0.17	-0.00021	PASS
					20	0.77	0.00093	PASS
					30	-0.77	-0.00093	PASS
					40	0.03	0.00004	PASS
					50	-0.57	-0.00069	PASS
			MCH	VN	-30	-0.57	-0.00068	PASS
					-20	-1.93	-0.00231	PASS
					-10	-0.4	-0.00048	PASS
0	-1.37	-0.00164			PASS			
10	1.63	0.00195			PASS			
20	-5.16	-0.00617			PASS			
30	-0.34	-0.00041			PASS			
40	-1.03	-0.00123			PASS			
50	1.06	0.00127			PASS			
HCH	VN	-30	-1.32	-0.00156	PASS			
		-20	-2.27	-0.00268	PASS			
		-10	-2.49	-0.00294	PASS			
		0	-1.66	-0.00196	PASS			
		10	-1.57	-0.00185	PASS			

				20	-0.97	-0.00114	PASS		
				30	-2.22	-0.00262	PASS		
				40	-1.6	-0.00189	PASS		
				50	-0.19	-0.00022	PASS		
		5	LCH	VN	-30	-1.75	-0.00212	PASS	
					-20	-1.22	-0.00148	PASS	
					-10	-1.72	-0.00208	PASS	
					0	-1.96	-0.00237	PASS	
					10	-2.46	-0.00298	PASS	
				MCH	VN	20	-0.63	-0.00076	PASS
						30	-2.22	-0.00269	PASS
						40	-1.54	-0.00186	PASS
						50	-2.33	-0.00282	PASS
						-30	-1.24	-0.00148	PASS
						-20	-1.02	-0.00122	PASS
						-10	-0.31	-0.00037	PASS
						0	0	0	PASS
			HCH	VN	10	-1.65	-0.00197	PASS	
					20	-1.47	-0.00176	PASS	
					30	-0.31	-0.00037	PASS	
					40	-1.06	-0.00127	PASS	
					50	-0.4	-0.00048	PASS	
					-30	1.42	0.00168	PASS	
					-20	-0.73	-0.00086	PASS	
					-10	-1.23	-0.00145	PASS	
					0	0.5	0.00059	PASS	
		10	LCH	VN	10	0.14	0.00017	PASS	
						20	-0.39	-0.00046	PASS
						30	-1.07	-0.00126	PASS
						40	-0.51	-0.0006	PASS
						50	-0.56	-0.00066	PASS
						-30	-0.76	-0.00092	PASS
						-20	-1.34	-0.00162	PASS
						-10	-0.43	-0.00052	PASS
						0	-0.09	-0.00011	PASS
			MCH	VN	-30	-0.79	-0.00094	PASS	



					-20	-0.21	-0.00025	PASS
					-10	-0.8	-0.00096	PASS
					0	-0.97	-0.00116	PASS
					10	-0.34	-0.00041	PASS
					20	-0.62	-0.00074	PASS
					30	-0.41	-0.00049	PASS
					40	-0.56	-0.00067	PASS
					50	-0.73	-0.00087	PASS
			HCH	VN	-30	-2.02	-0.00239	PASS
					-20	-1.03	-0.00122	PASS
					-10	-1.23	-0.00146	PASS
					0	-1.54	-0.00182	PASS
					10	-1.65	-0.00195	PASS
					20	-1.2	-0.00142	PASS
					30	-0.93	-0.0011	PASS
					40	-1.65	-0.00195	PASS
					50	-1.83	-0.00217	PASS

END