



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN AUTO 10:37:03 AM Oct 13, 2017

Center Freq 716.000000 MHz Avg Type: RMS
PNO: Wide IFGain:Low Trig: Free Run AvgHold: 8/100
#Atten: 36 dB

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET A A A A A A

Ref Offset 6.9 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 716.000 MHz
-30.095 dBm

-13.00 dBm

1

Center 716.000 MHz
#Res BW 100 kHz

#VBW 300 kHz*

Span 2.000 MHz
#Sweep 1.000 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
716.000000 MHz

Start Freq
715.000000 MHz

Stop Freq
717.000000 MHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

6Appendix_F: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Part I - Test Plots

6.1 For LTE

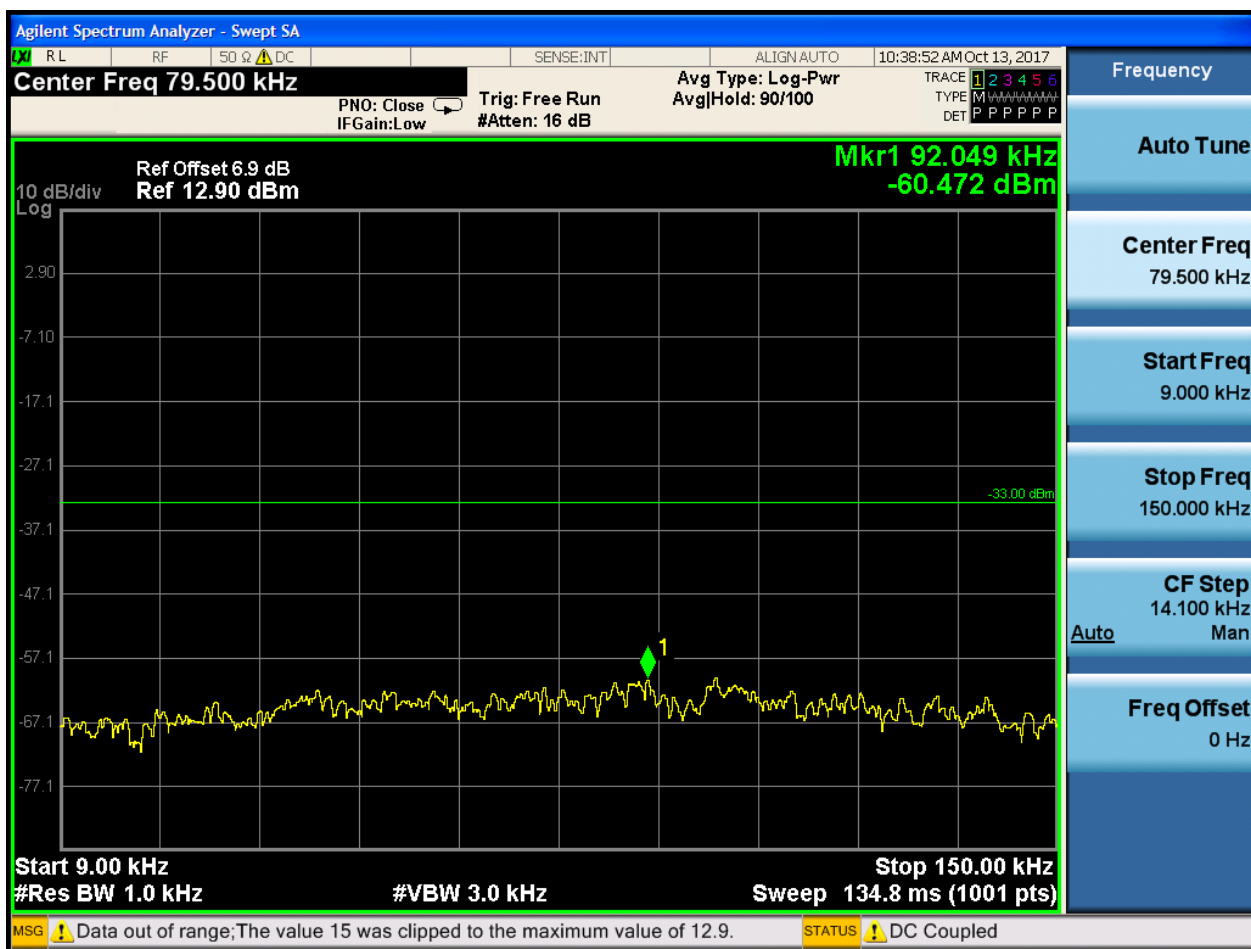
6.1.1 Test Band = BAND12

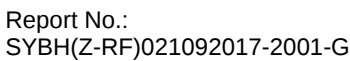
6.1.1.1 Test Mode = LTE/TM1

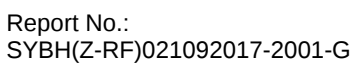
6.1.1.1.1 Test Bandwidth = 1.4

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0

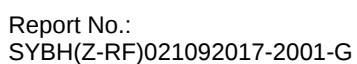


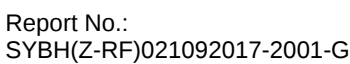


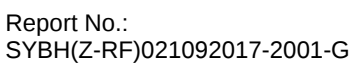




6.1.1.1.1.2.1 Test RB = RB1#0

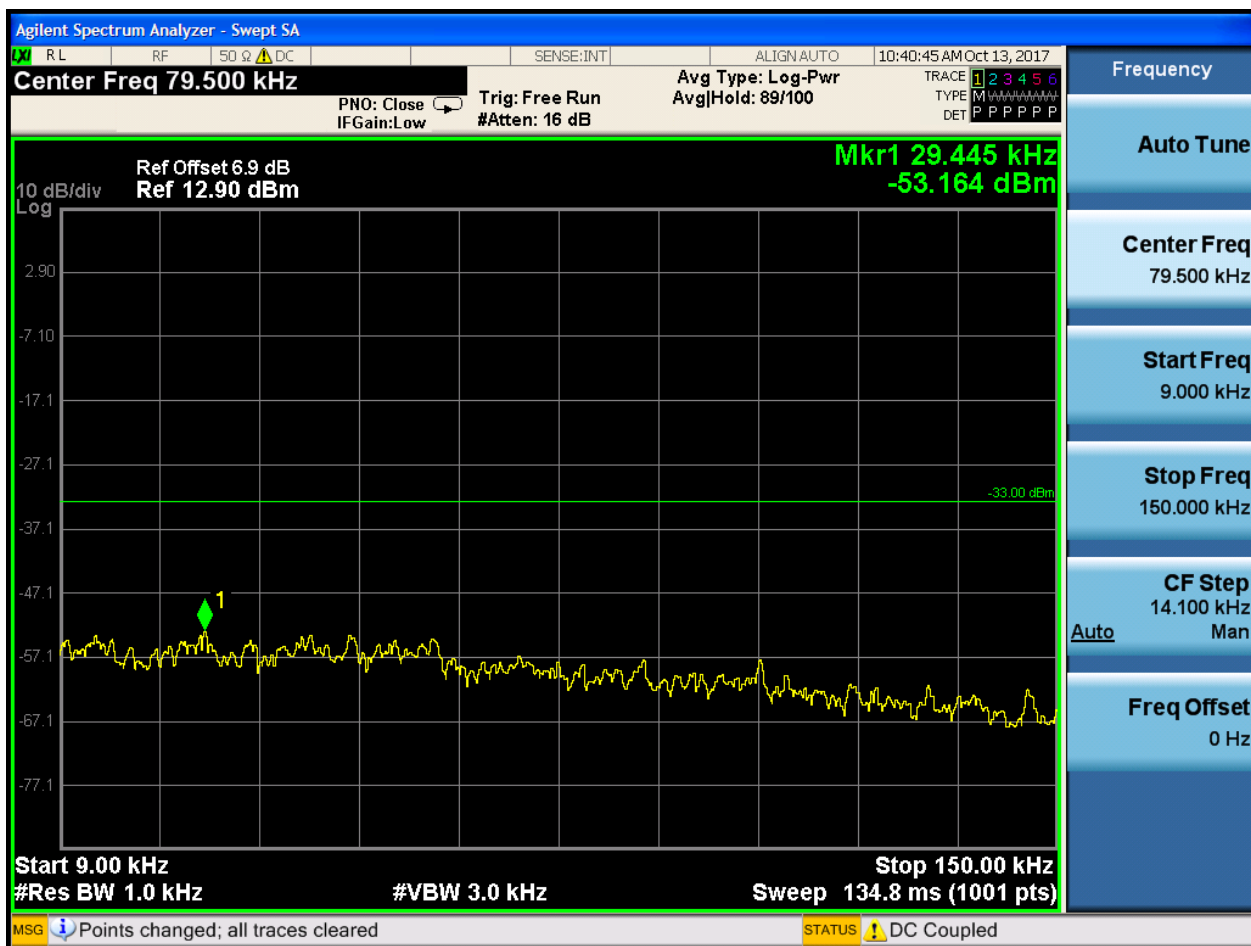


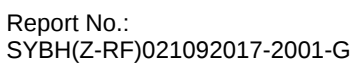


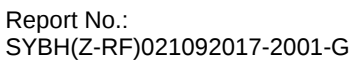


6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0





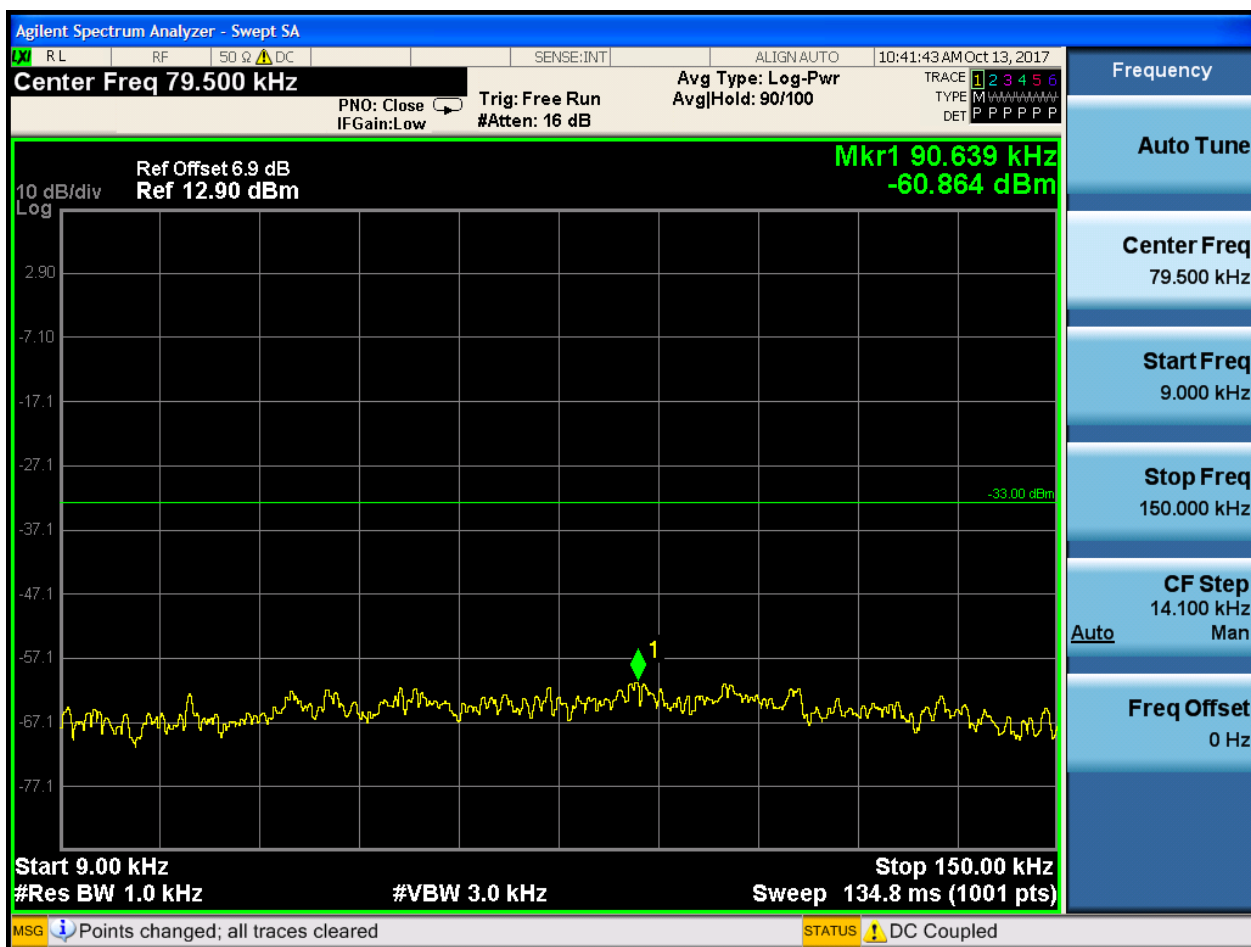


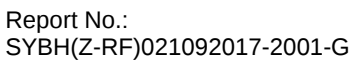


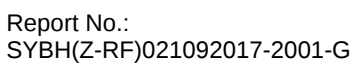
6.1.1.1.2 Test Bandwidth = 3

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0





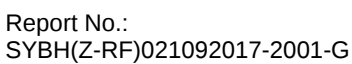


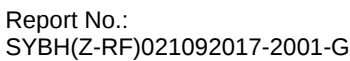


6.1.1.1.2.2 Test Channel = MCH

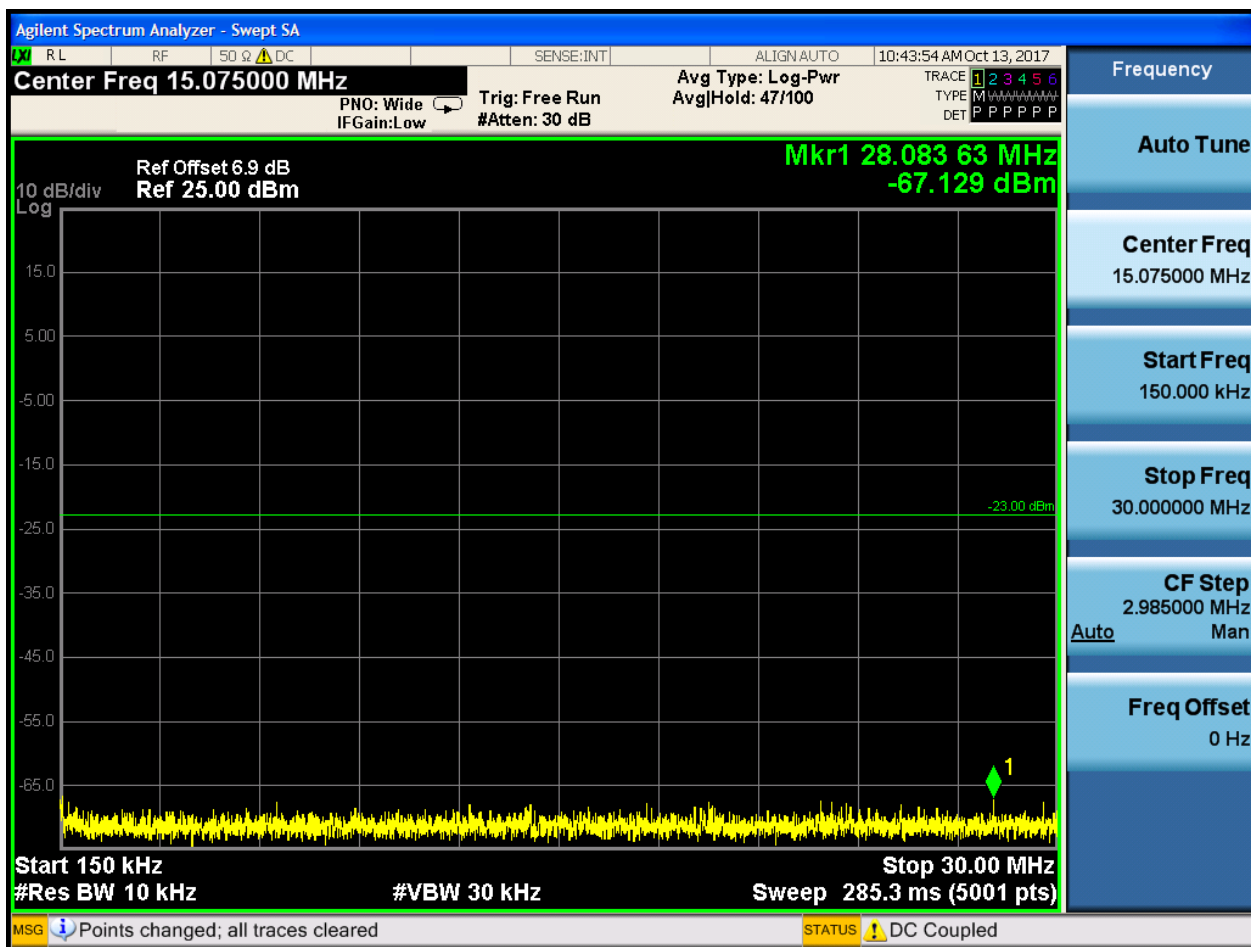
6.1.1.1.2.2.1 Test RB = RB1#0

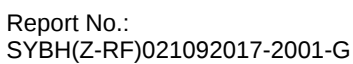








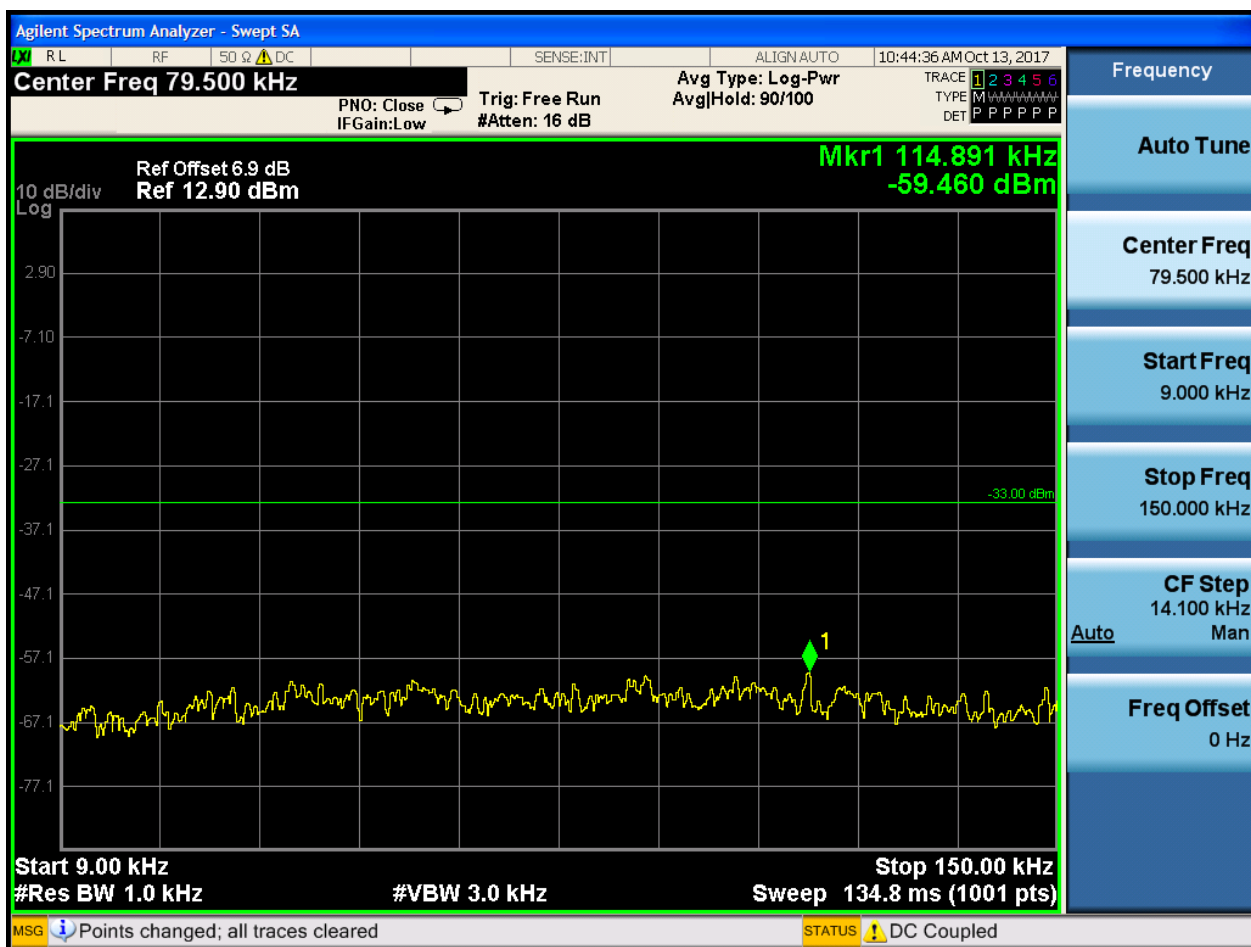


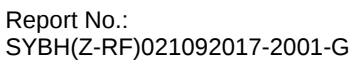


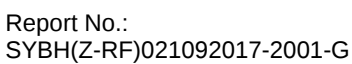
6.1.1.1.3 Test Bandwidth = 5

6.1.1.1.3.1 Test Channel = LCH

6.1.1.1.3.1.1 Test RB = RB1#0





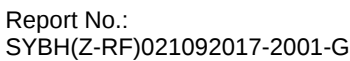


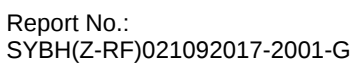


6.1.1.1.3.2 Test Channel = MCH

6.1.1.1.3.2.1 Test RB = RB1#0

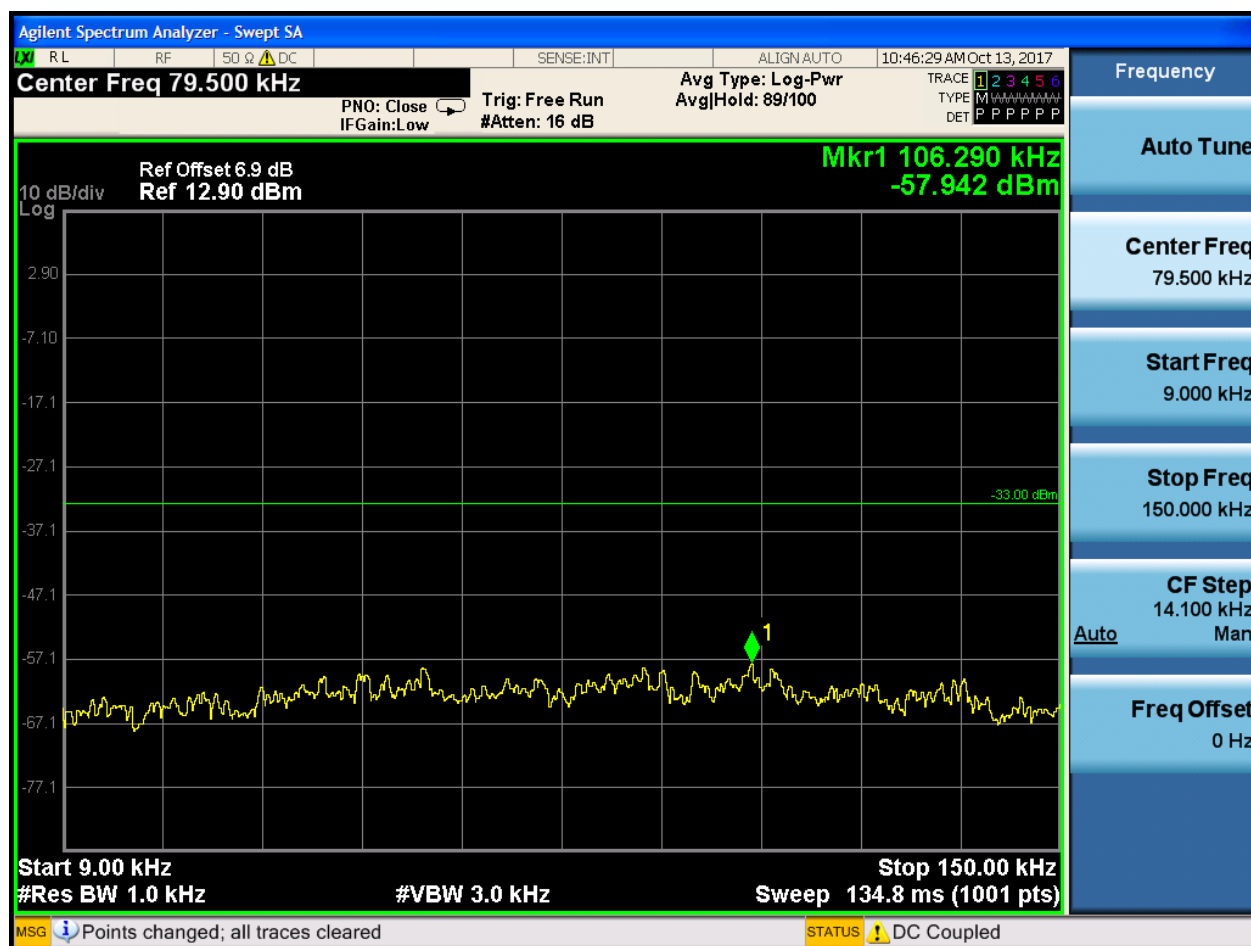


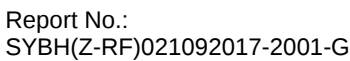


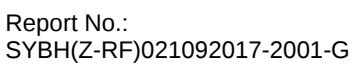


6.1.1.1.3.3 Test Channel = HCH

6.1.1.1.3.3.1 Test RB = RB1#0



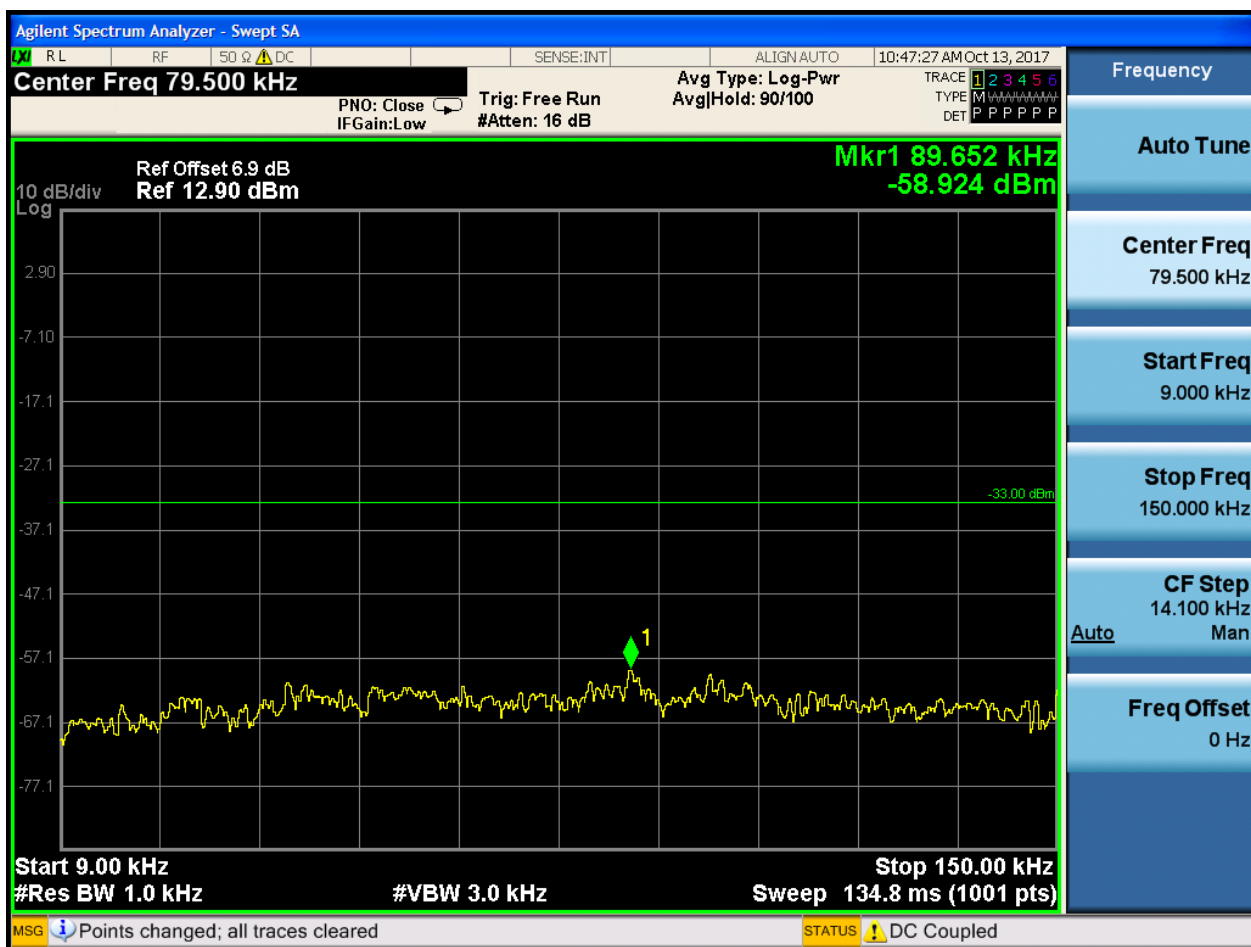


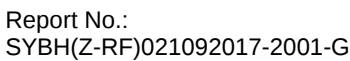


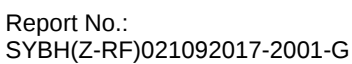
6.1.1.1.4 Test Bandwidth = 10

6.1.1.1.4.1 Test Channel = LCH

6.1.1.1.4.1.1 Test RB = RB1#0





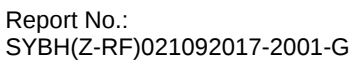


6.1.1.1.4.2 Test Channel = MCH

6.1.1.1.4.2.1 Test RB = RB1#0





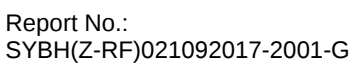


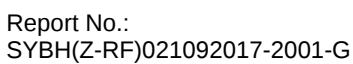


6.1.1.1.4.3 Test Channel = HCH

6.1.1.1.4.3.1 Test RB = RB1#0





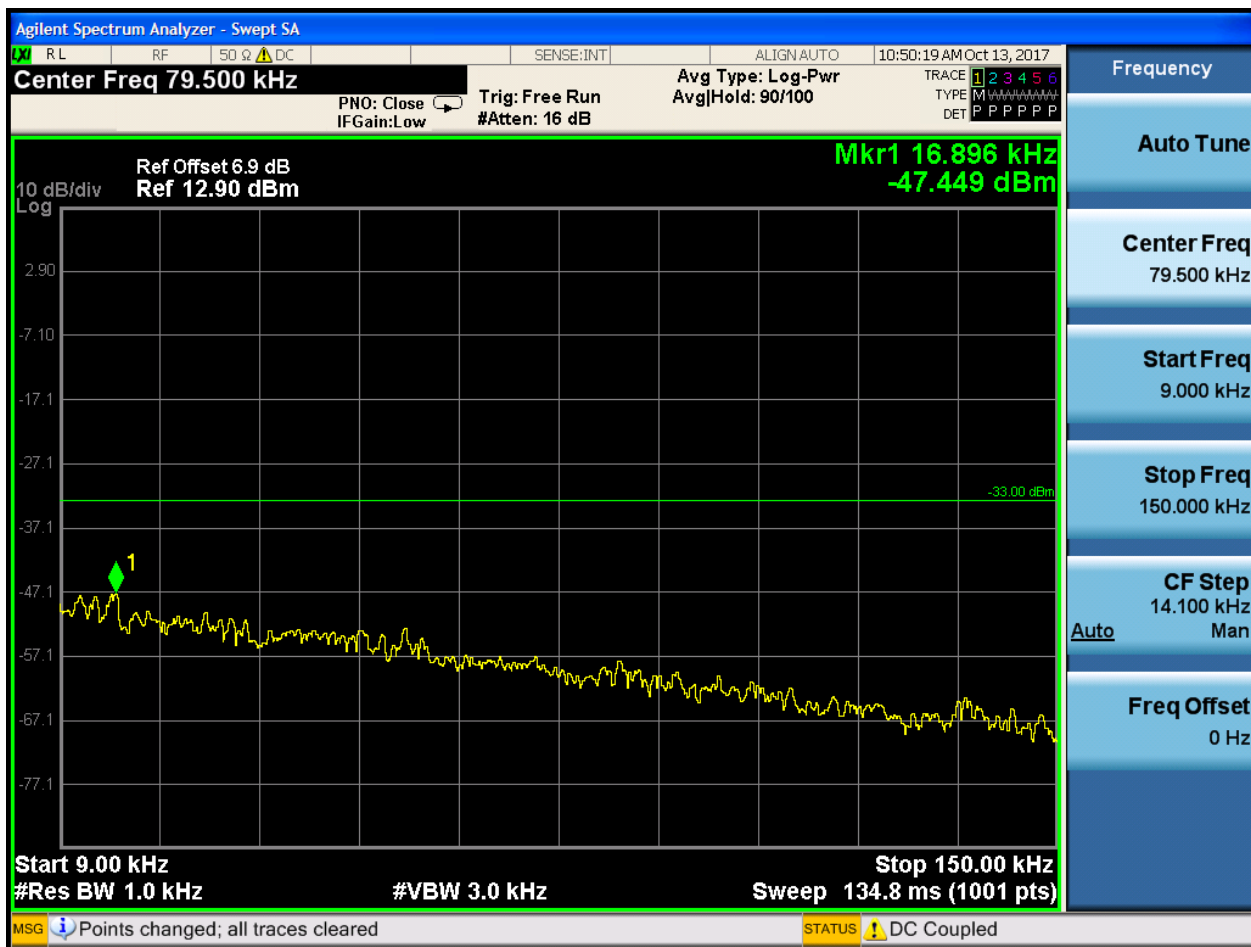


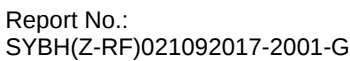
6.1.1.2 Test Mode = LTE/TM2

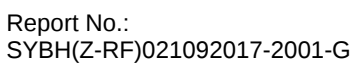
6.1.1.2.1 Test Bandwidth = 1.4

6.1.1.2.1.1 Test Channel = LCH

6.1.1.2.1.1.1 Test RB = RB1#0



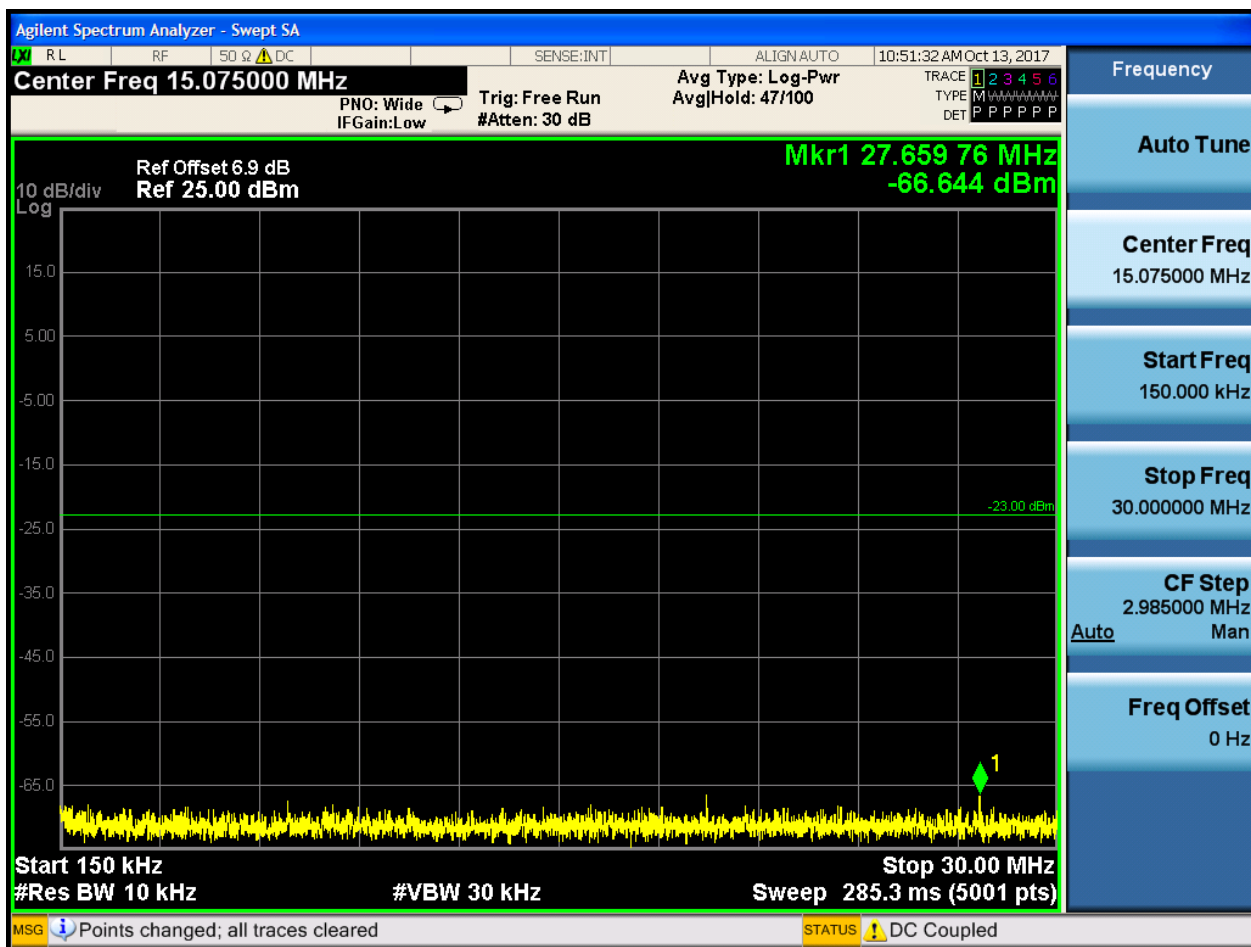


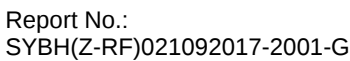


6.1.1.2.1.2 Test Channel = MCH

6.1.1.2.1.2.1 Test RB = RB1#0



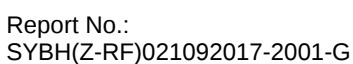


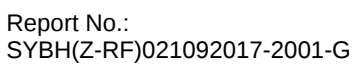


6.1.1.2.1.3 Test Channel = HCH

6.1.1.2.1.3.1 Test RB = RB1#0







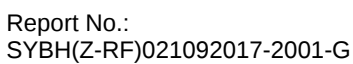


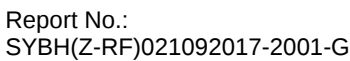
6.1.1.2.2 Test Bandwidth = 3

6.1.1.2.2.1 Test Channel = LCH

6.1.1.2.2.1.1 Test RB = RB1#0

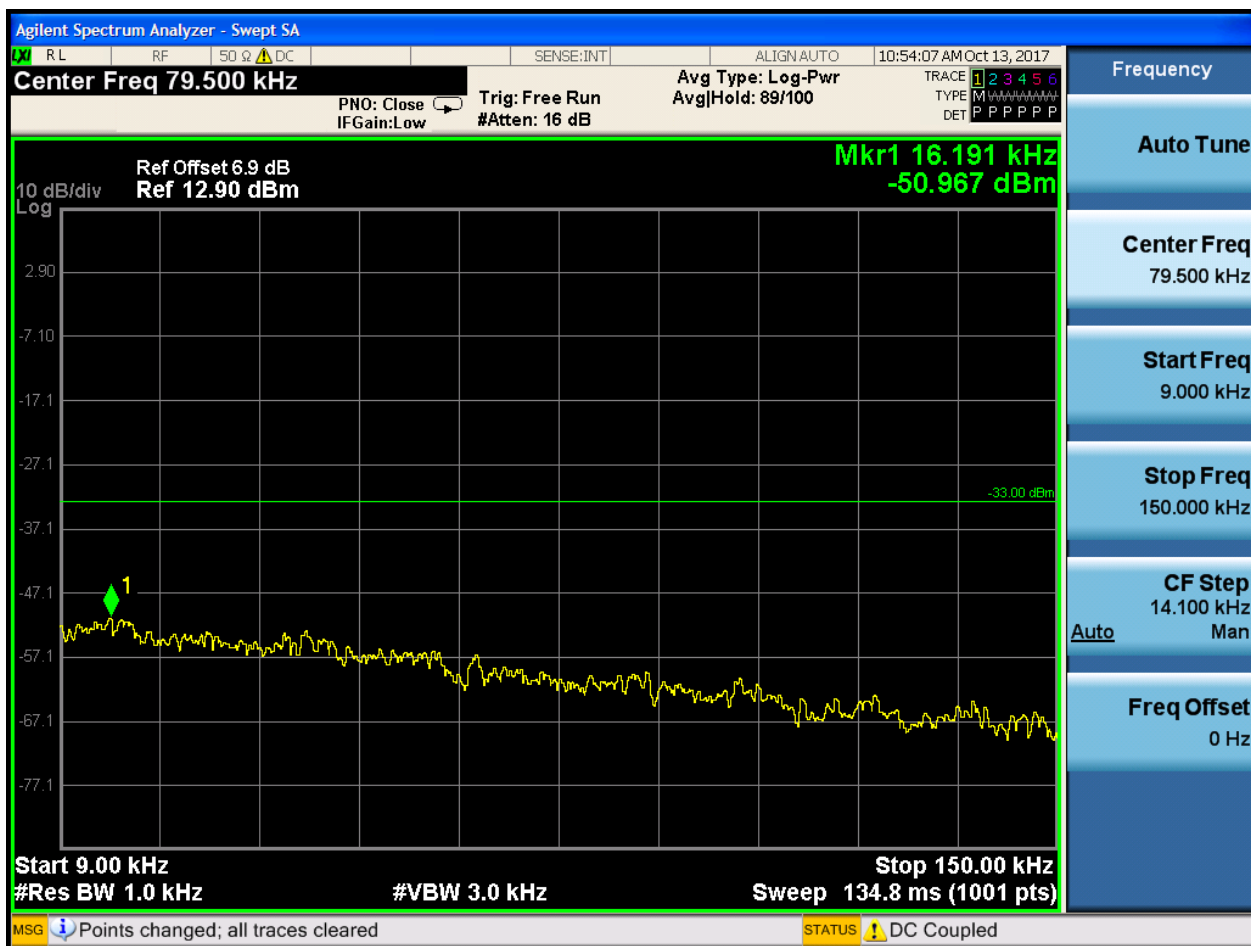


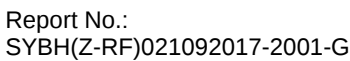


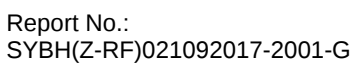


6.1.1.2.2.2 Test Channel = MCH

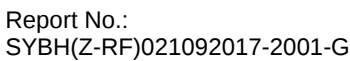
6.1.1.2.2.2.1 Test RB = RB1#0

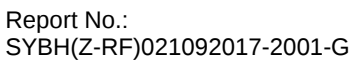










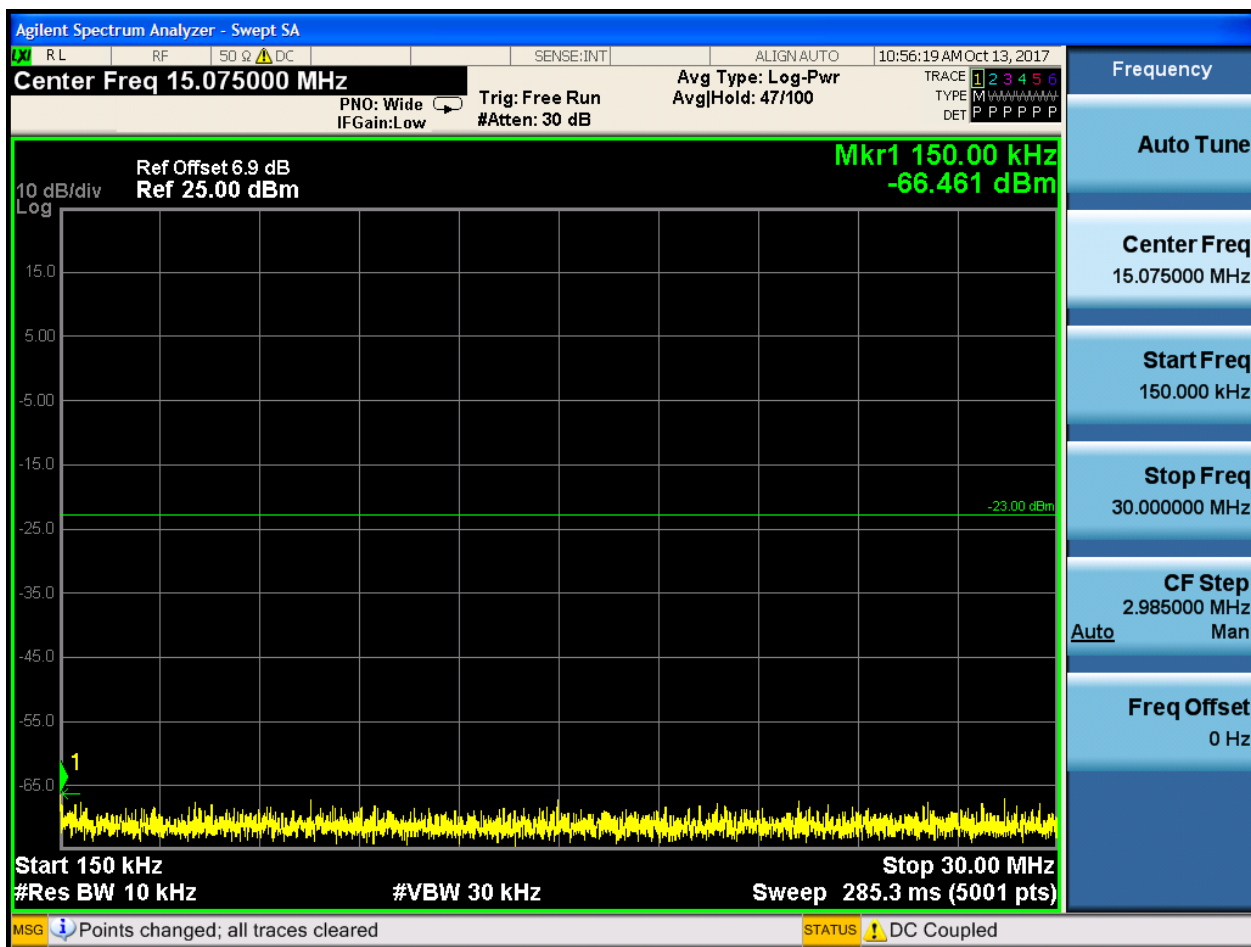


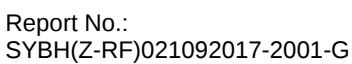
6.1.1.2.3 Test Bandwidth = 5

6.1.1.2.3.1 Test Channel = LCH

6.1.1.2.3.1.1 Test RB = RB1#0



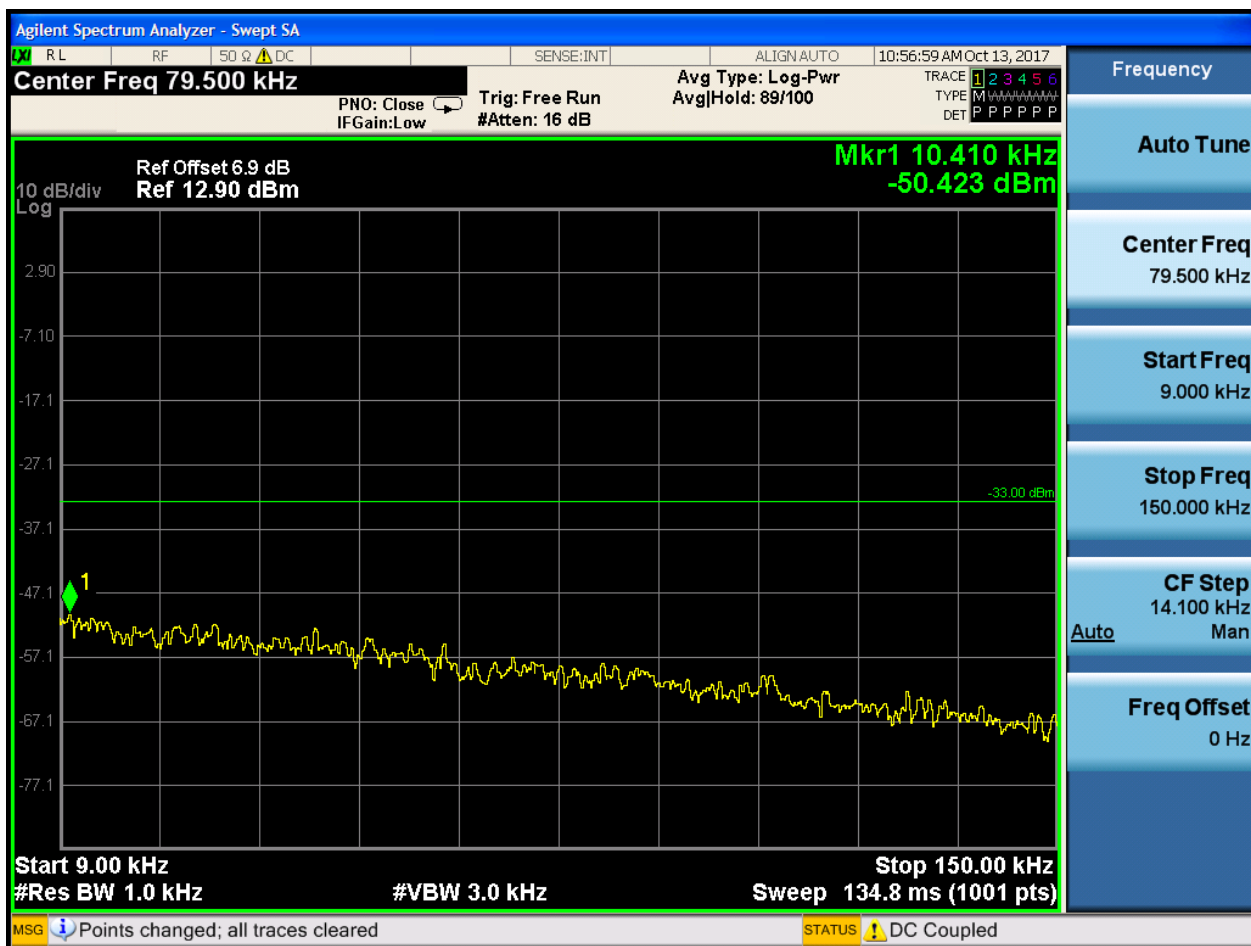


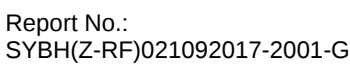


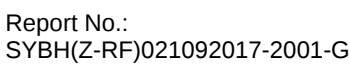


6.1.1.2.3.2 Test Channel = MCH

6.1.1.2.3.2.1 Test RB = RB1#0

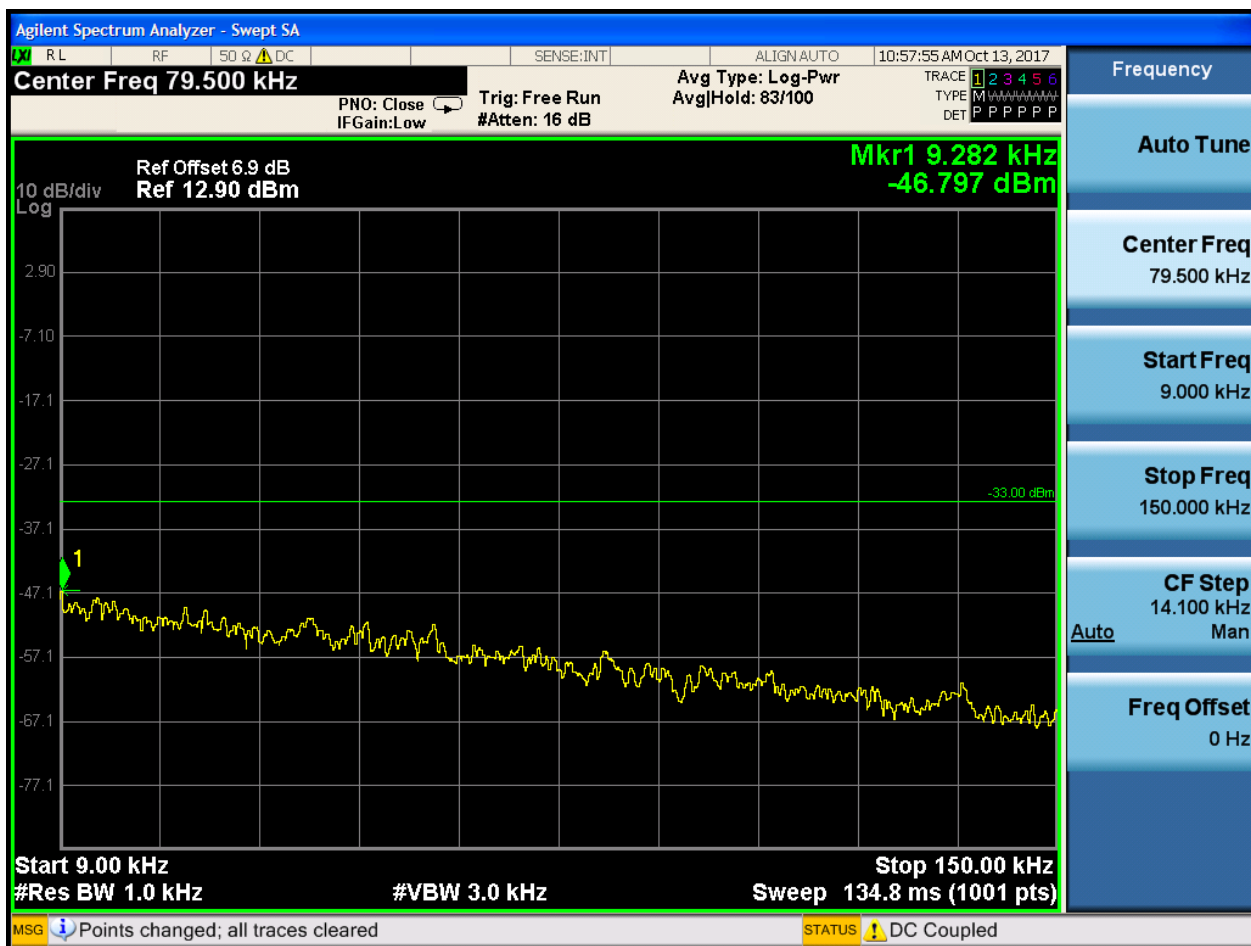


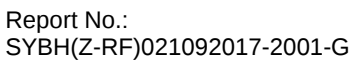


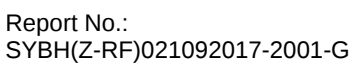


6.1.1.2.3.3 Test Channel = HCH

6.1.1.2.3.3.1 Test RB = RB1#0





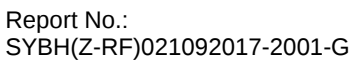


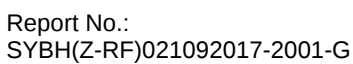
6.1.1.2.4 Test Bandwidth = 10

6.1.1.2.4.1 Test Channel = LCH

6.1.1.2.4.1.1 Test RB = RB1#0



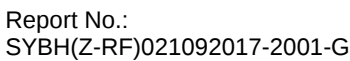


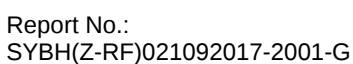


6.1.1.2.4.2 Test Channel = MCH

6.1.1.2.4.2.1 Test RB = RB1#0





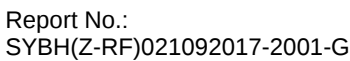


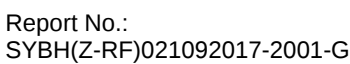


6.1.1.2.4.3 Test Channel = HCH

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

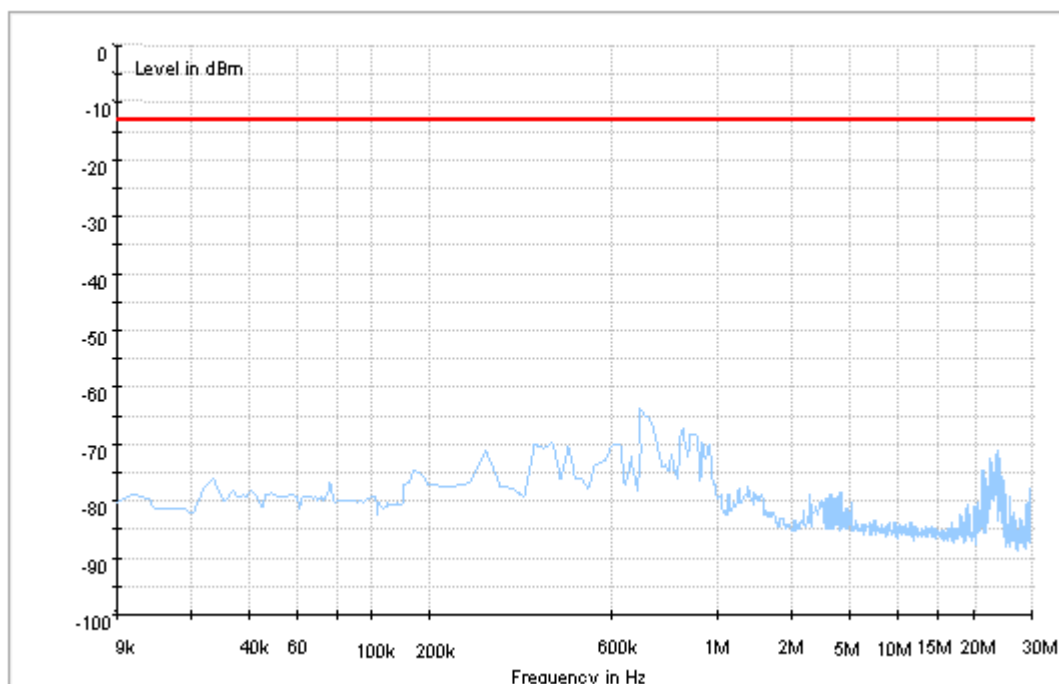
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

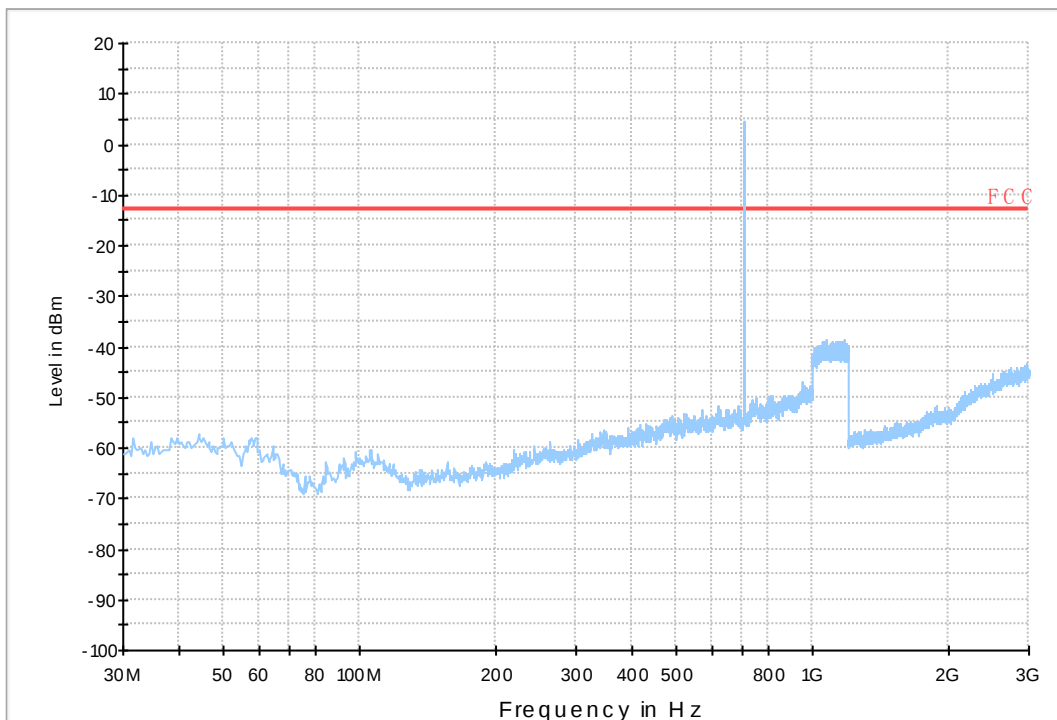
7.1 For LTE

7.1.1 Test Band = BAND12_ANT1

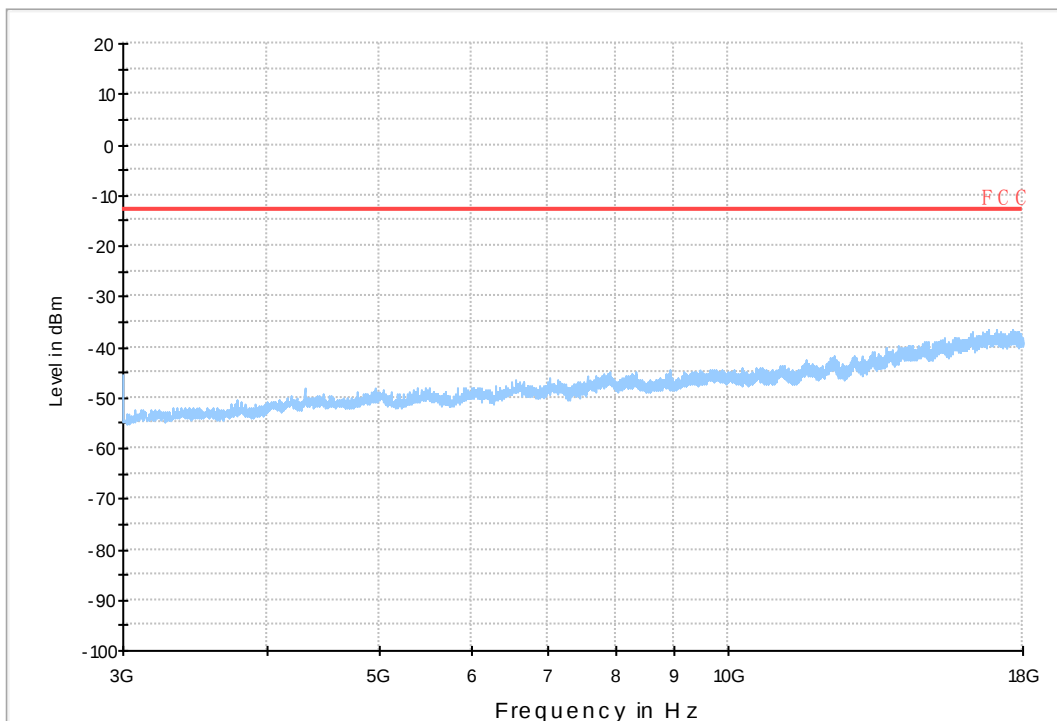
7.1.1.1 Test Bandwidth = 1.4



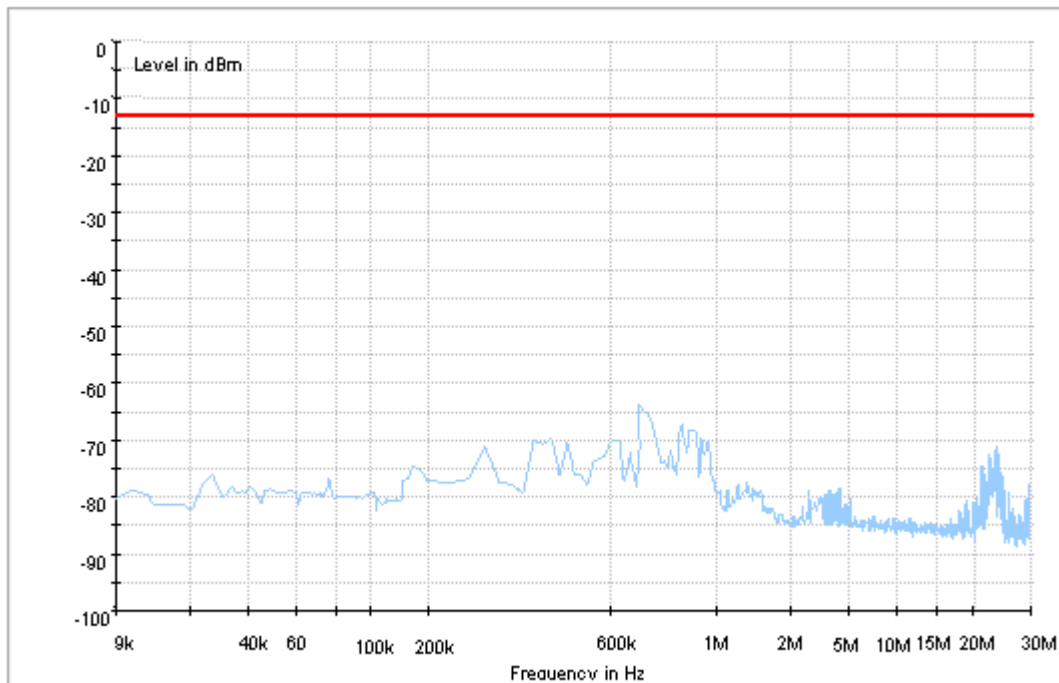
Copy of RSE-TX-DIRECTOR BELOW 1G_L



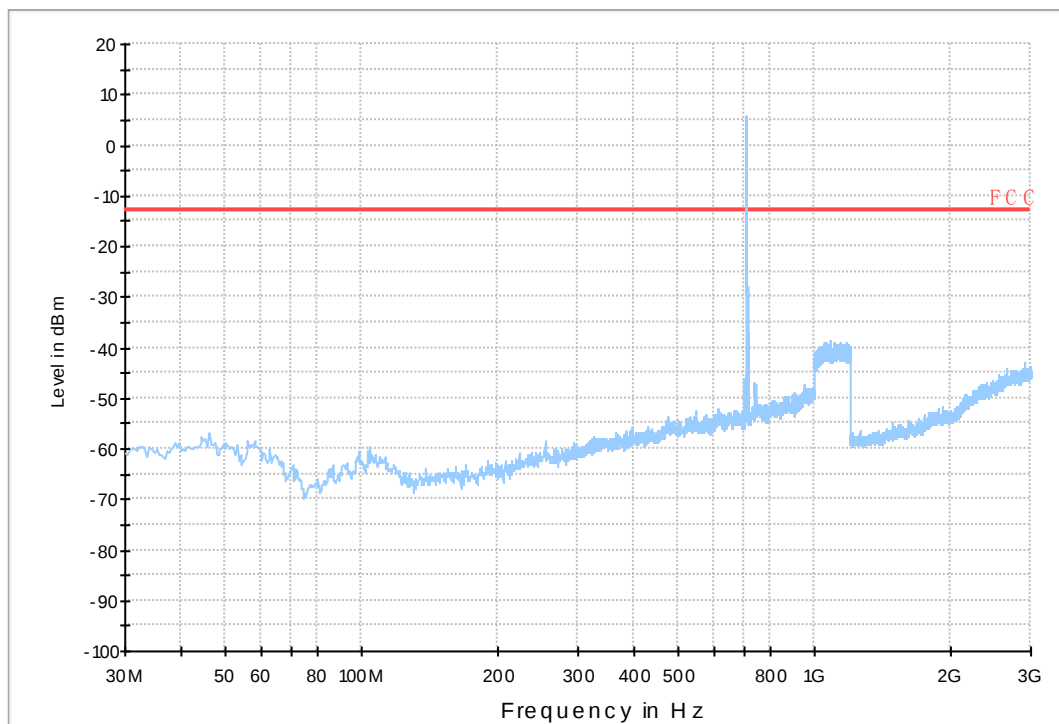
Copy of RSE-TX-DIRECTOR BELOW 1G_H



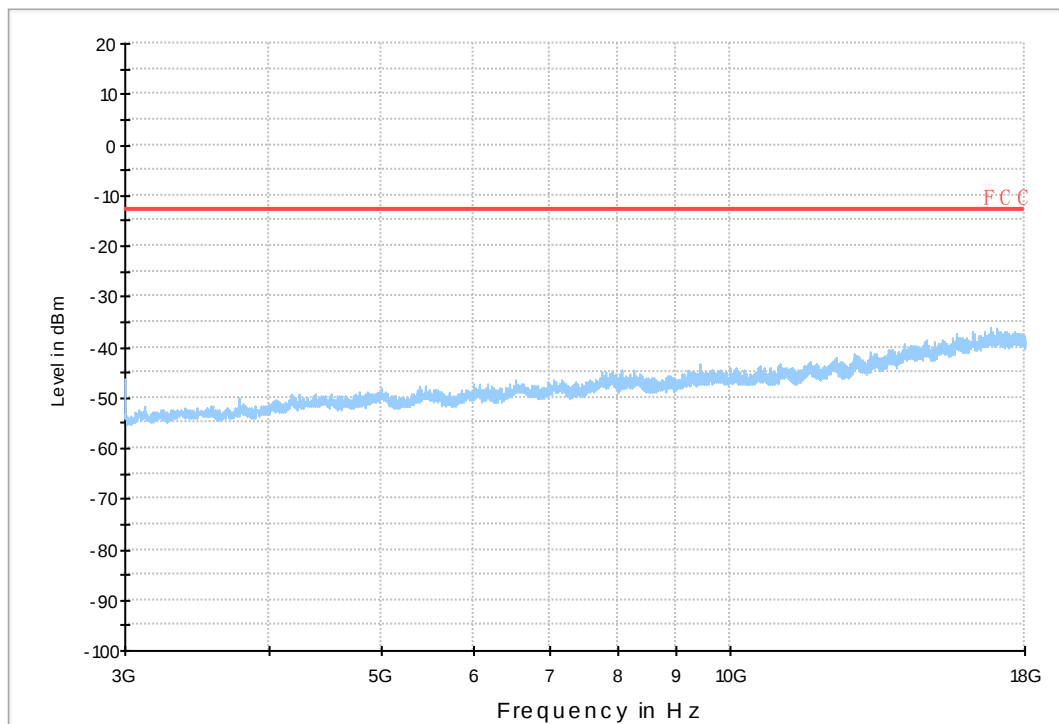
7.1.1.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L

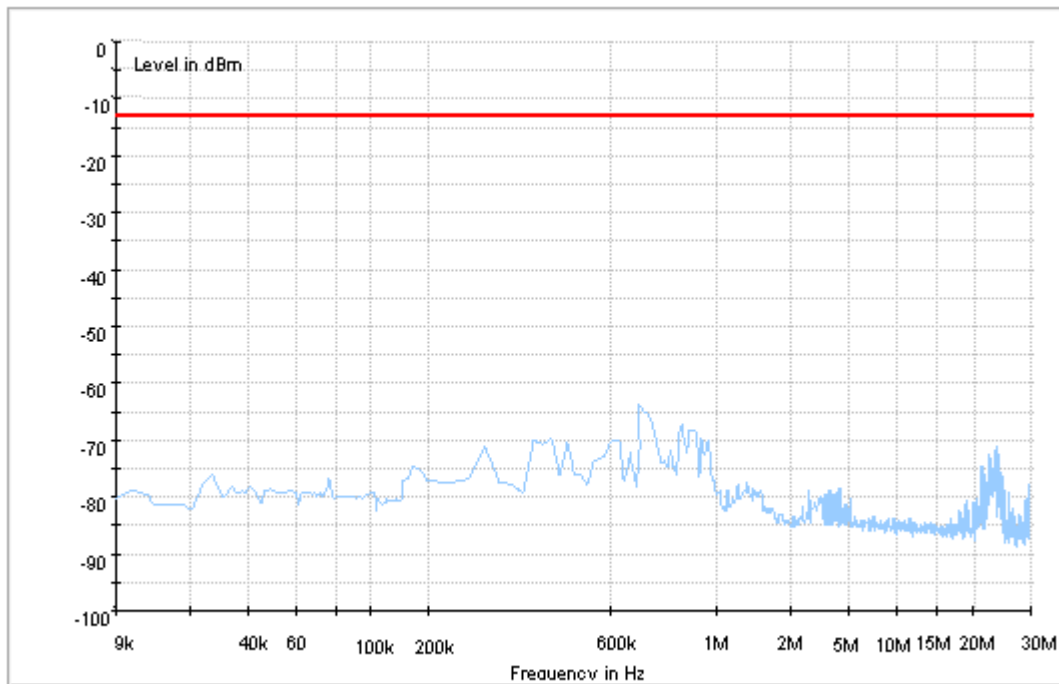


Copy of RSE-TX-DIRECTOR BELOW 1G_H

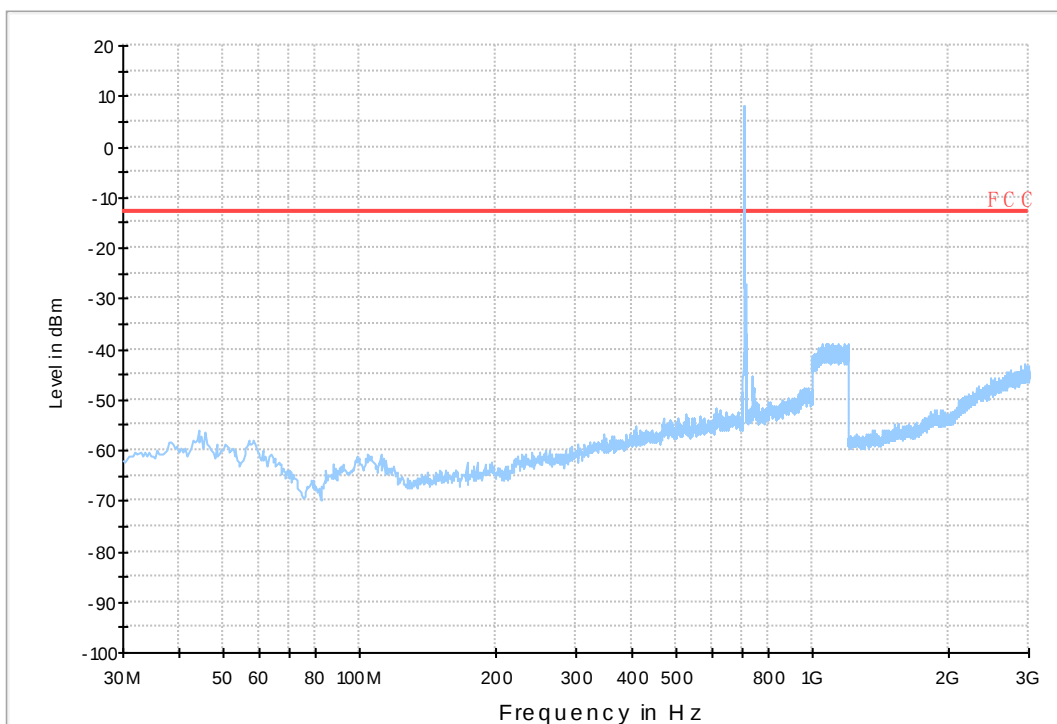


7.1.2 Test Band = BAND12_ANT2

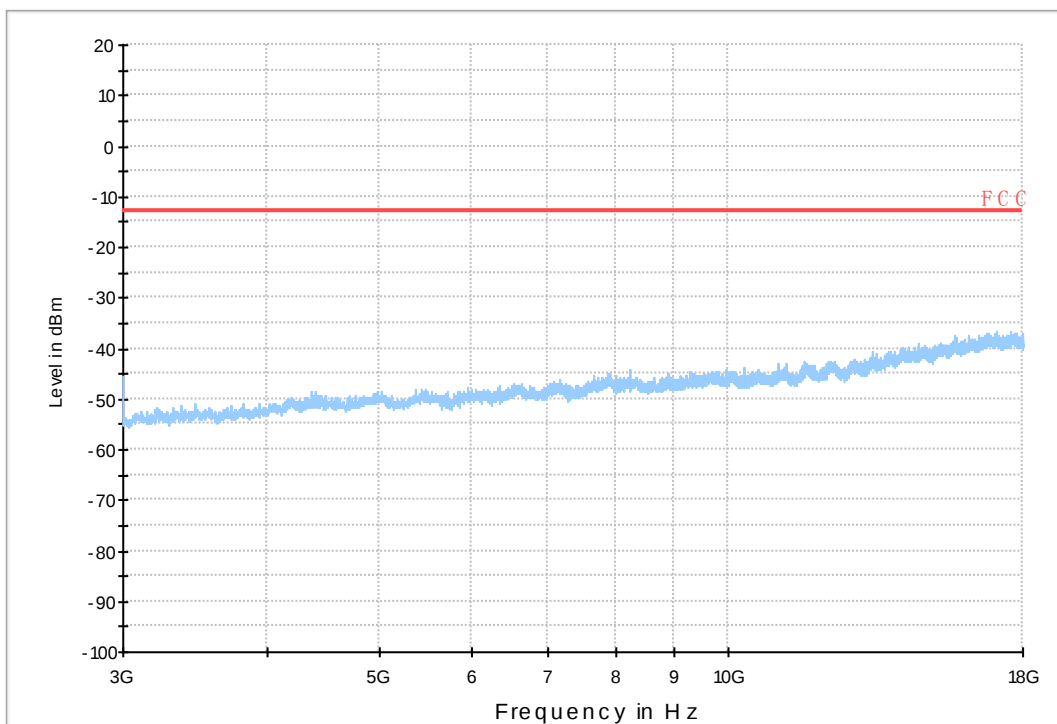
7.1.2.1 Test Bandwidth = 1.4



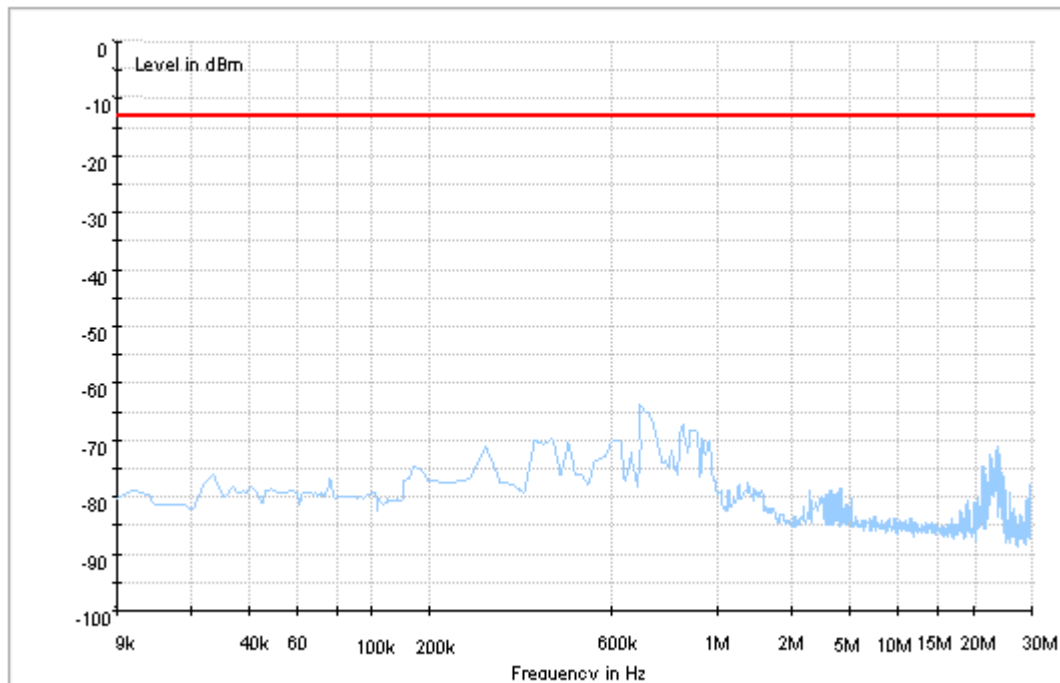
Copy of RSE-TX-DIRECTOR BELOW 1G_L



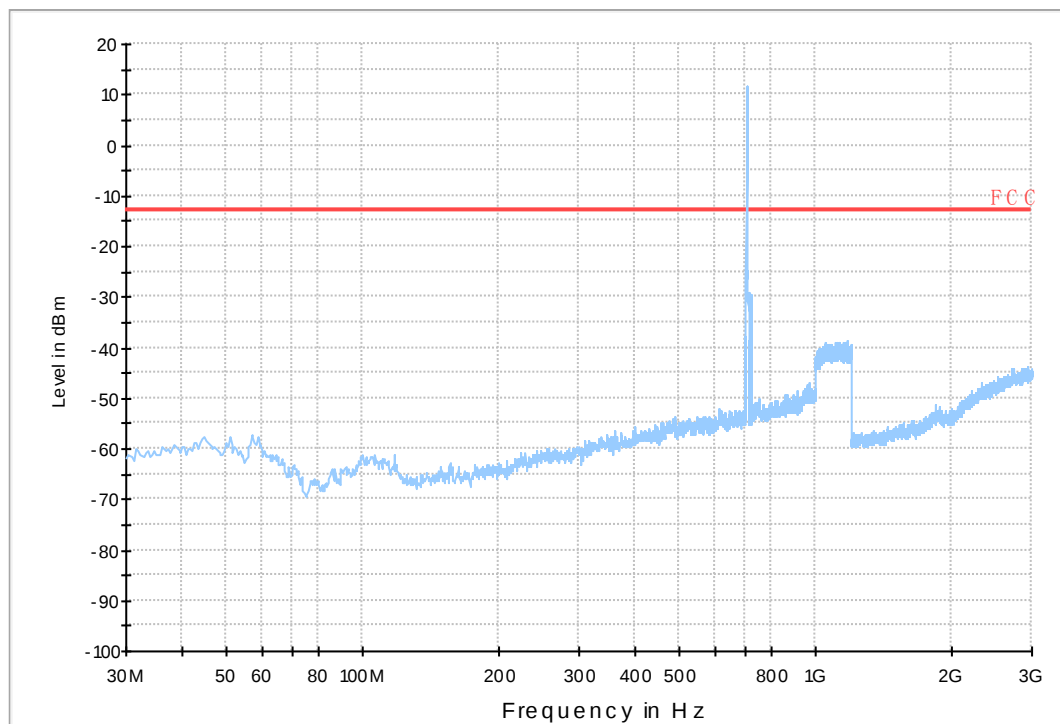
Copy of RSE-TX-DIRECTOR BELOW 1G_H



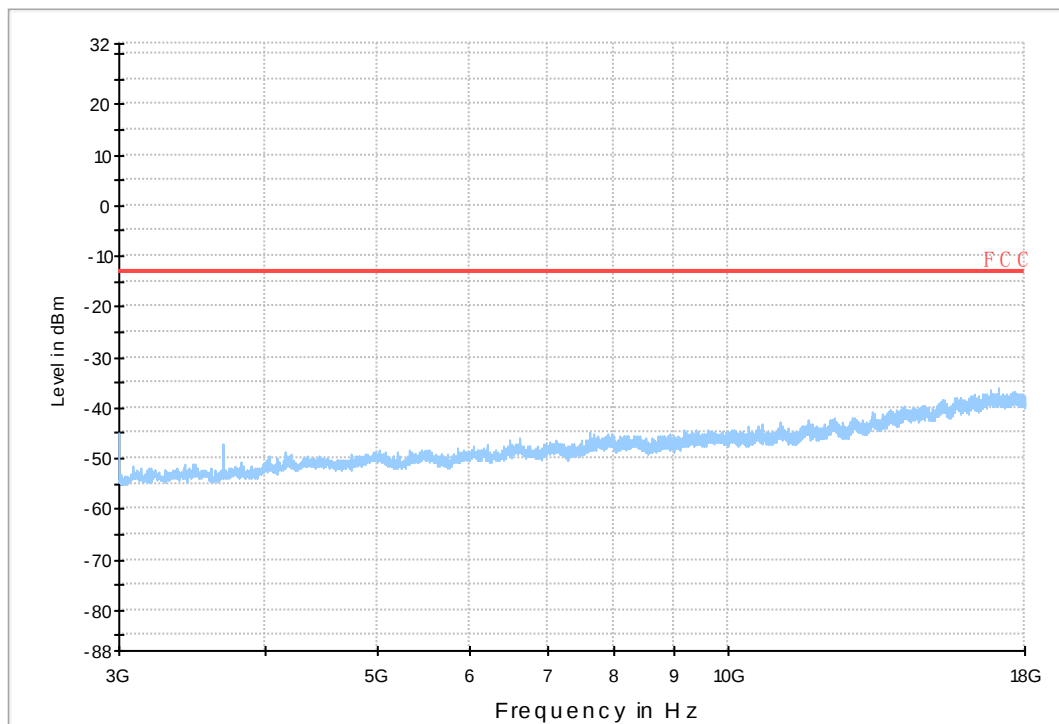
7.1.2.2 Test Bandwidth = 10



Copy of RSE-TX-DIRECTOR BELOW 1G_L



Copy of RSE-TX-DIRECTOR BELOW 1G_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
BAND12	LTE/TM1	1.4	LCH	TN	VL	-16.69	-0.02385	PASS
					VN	1.95	0.00279	PASS
					VH	-15.21	-0.02174	PASS
			MCH	TN	VL	-4.95	-0.007	PASS
					VN	8.67	0.01225	PASS
					VH	-13.40	-0.01894	PASS
			HCH	TN	VL	-12.59	-0.0176	PASS
					VN	3.22	0.0045	PASS
					VH	0.24	0.00034	PASS
		3	LCH	TN	VL	-1.39	-0.00198	PASS
					VN	-7.07	-0.01009	PASS
					VH	2.69	0.00384	PASS
			MCH	TN	VL	-1.53	-0.00216	PASS
					VN	7.32	0.01035	PASS
					VH	4.03	0.0057	PASS
			HCH	TN	VL	2.69	0.00376	PASS
					VN	0.20	0.00028	PASS
					VH	1.17	0.00164	PASS
		5	LCH	TN	VL	2.56	0.00365	PASS
					VN	1.86	0.00265	PASS
					VH	-0.33	-0.00047	PASS
			MCH	TN	VL	-1.02	-0.00144	PASS
					VN	-2.57	-0.00363	PASS
					VH	0.26	0.00037	PASS
			HCH	TN	VL	6.08	0.00852	PASS
					VN	-1.16	-0.00163	PASS
					VH	-1.10	-0.00154	PASS
		10	LCH	TN	VL	-7.48	-0.01063	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-4.84	-0.00688	PASS
					VH	-4.78	-0.00679	PASS
					VL	7.64	0.0108	PASS
			MCH	TN	VN	7.60	0.01074	PASS
					VH	6.91	0.00977	PASS
					VL	13.62	0.01916	PASS
			HCH	TN	VN	13.29	0.01869	PASS
					VH	13.28	0.01868	PASS
					VL	2.37	0.00339	PASS
	LTE/TM2	1.4	LCH	TN	VN	3.69	0.00527	PASS
					VH	-10.77	-0.01539	PASS
					VL	-2.40	-0.00339	PASS
			MCH	TN	VN	-3.68	-0.0052	PASS
					VH	3.68	0.0052	PASS
					VL	-10.94	-0.01529	PASS
			HCH	TN	VN	13.73	0.01919	PASS
					VH	-5.34	-0.00747	PASS
					VL	12.45	0.01777	PASS
		3	LCH	TN	VN	2.45	0.0035	PASS
					VH	-1.89	-0.0027	PASS
					VL	-1.63	-0.0023	PASS
			MCH	TN	VN	7.21	0.01019	PASS
					VH	-3.71	-0.00524	PASS
					VL	-10.30	-0.01442	PASS
			HCH	TN	VN	-2.92	-0.00409	PASS
					VH	1.36	0.0019	PASS
					VL	-7.32	-0.01043	PASS
		5	LCH	TN	VN	-0.80	-0.00114	PASS
					VH	-0.77	-0.0011	PASS
					VL	0.80	0.00113	PASS
			MCH	TN	VN	2.82	0.00399	PASS
					VH	3.98	0.00563	PASS
					VL	1.24	0.00174	PASS
			HCH	TN	VN	5.09	0.00713	PASS
					VH	-0.56	-0.00078	PASS
					VL	0.01	0.00001	PASS
		10	LCH	TN	VN	-0.74	-0.00105	PASS
					VH	0.17	0.00024	PASS
					VL	-0.94	-0.00133	PASS

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VN	-0.50	-0.00071	PASS
					VH	2.53	0.00358	PASS
			HCH	TN	VL	-0.20	-0.00028	PASS
					VN	-1.10	-0.00155	PASS
					VH	0.34	0.00048	PASS

8.1.2Frequency Error vs. Temperature:

Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
BAND12	-30	LTE/TM1	1.4	LCH	VN	7.58	0.01083	PASS
				MCH	VN	8.47	0.01197	PASS
				HCH	VN	-15.88	-0.0222	PASS
			3	LCH	VN	3.63	0.00518	PASS
				MCH	VN	-3.18	-0.00449	PASS
				HCH	VN	-2.56	-0.00358	PASS
			5	LCH	VN	-0.76	-0.00108	PASS
				MCH	VN	0.79	0.00112	PASS
				HCH	VN	-1.70	-0.00238	PASS
		LTE/TM2	1.4	LCH	VN	-2.90	-0.00412	PASS
				MCH	VN	0.64	0.0009	PASS
				HCH	VN	20.34	0.02861	PASS
			3	LCH	VN	9.53	0.01362	PASS
				MCH	VN	12.13	0.01714	PASS
				HCH	VN	16.64	0.02326	PASS
			5	LCH	VN	6.62	0.00945	PASS
				MCH	VN	1.92	0.00271	PASS
				HCH	VN	-14.22	-0.0199	PASS
		LTE/TM1	1.4	LCH	VN	1.80	0.00257	PASS
				MCH	VN	-1.62	-0.00229	PASS
				HCH	VN	-1.85	-0.00259	PASS
			3	LCH	VN	0.73	0.00104	PASS
				MCH	VN	0.13	0.00018	PASS
				HCH	VN	-0.39	-0.00055	PASS
		10	1.4	LCH	VN	8.74	0.01249	PASS
				MCH	VN	4.06	0.00574	PASS
				HCH	VN	10.10	0.01412	PASS
		3	1.4	LCH	VN	2.85	0.00407	PASS
				MCH	VN	4.06	0.00574	PASS
				HCH	VN	10.10	0.01412	PASS

Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				MCH	VN	2.42	0.00342	PASS
				HCH	VN	-7.67	-0.01073	PASS
			5	LCH	VN	-0.49	-0.0007	PASS
				MCH	VN	2.32	0.00328	PASS
				HCH	VN	0.77	0.00108	PASS
			10	LCH	VN	0.07	0.0001	PASS
				MCH	VN	3.91	0.00553	PASS
				HCH	VN	2.76	0.00388	PASS
		LTE/TM2	1.4	LCH	VN	1.54	0.0022	PASS
				MCH	VN	12.19	0.01723	PASS
				HCH	VN	12.67	0.01771	PASS
			3	LCH	VN	4.42	0.00631	PASS
				MCH	VN	-0.67	-0.00095	PASS
				HCH	VN	7.87	0.01101	PASS
			5	LCH	VN	-0.01	-0.00001	PASS
				MCH	VN	1.04	0.00147	PASS
				HCH	VN	-0.54	-0.00076	PASS
			10	LCH	VN	0.26	0.00037	PASS
				MCH	VN	-0.39	-0.00055	PASS
				HCH	VN	-7.25	-0.0102	PASS
	-10	LTE/TM1	1.4	LCH	VN	0.79	0.00113	PASS
				MCH	VN	9.81	0.01387	PASS
				HCH	VN	0.44	0.00062	PASS
			3	LCH	VN	5.36	0.00765	PASS
				MCH	VN	1.26	0.00178	PASS
				HCH	VN	0.66	0.00092	PASS
			5	LCH	VN	1.07	0.00153	PASS
				MCH	VN	-0.64	-0.0009	PASS
				HCH	VN	0.40	0.00056	PASS
			10	LCH	VN	1.40	0.00199	PASS
				MCH	VN	1.19	0.00168	PASS
				HCH	VN	0.33	0.00046	PASS
		LTE/TM2	1.4	LCH	VN	-0.69	-0.00099	PASS
				MCH	VN	21.74	0.03073	PASS
				HCH	VN	-1.60	-0.00224	PASS
			3	LCH	VN	-4.22	-0.00602	PASS
				MCH	VN	-1.83	-0.00259	PASS
				HCH	VN	-2.78	-0.00389	PASS
			5	LCH	VN	0.30	0.00043	PASS

Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict		
				MCH	VN	-2.55	-0.0036	PASS		
				HCH	VN	-1.96	-0.00275	PASS		
			10	LCH	VN	0.21	0.0003	PASS		
				MCH	VN	1.43	0.00202	PASS		
				HCH	VN	-4.36	-0.00613	PASS		
			0	LTE/TM1	1.4	LCH	VN	-4.88	-0.00697	PASS
						MCH	VN	4.41	0.00623	PASS
						HCH	VN	-10.19	-0.01425	PASS
					3	LCH	VN	4.99	0.00712	PASS
	MCH	VN				-1.95	-0.00276	PASS		
	HCH	VN				-2.82	-0.00395	PASS		
	5	LCH			VN	-1.53	-0.00218	PASS		
		MCH			VN	0.16	0.00023	PASS		
		HCH			VN	0.66	0.00093	PASS		
	10	LCH			VN	-0.31	-0.00044	PASS		
		MCH			VN	0.97	0.00137	PASS		
		HCH			VN	23.56	0.03314	PASS		
	LTE/TM2	1.4			LCH	VN	2.79	0.00399	PASS	
					MCH	VN	-2.79	-0.00394	PASS	
					HCH	VN	17.17	0.024	PASS	
		3			LCH	VN	-1.32	-0.00188	PASS	
					MCH	VN	-1.23	-0.00174	PASS	
					HCH	VN	-2.85	-0.00399	PASS	
		5		LCH	VN	3.39	0.00483	PASS		
				MCH	VN	1.00	0.00141	PASS		
				HCH	VN	0.99	0.00139	PASS		
	10	LCH		VN	-4.05	-0.00575	PASS			
		MCH		VN	-0.29	-0.00041	PASS			
		HCH		VN	0.36	0.00051	PASS			
	10	LTE/TM1	1.4	LCH	VN	22.62	0.03233	PASS		
				MCH	VN	0.96	0.00136	PASS		
				HCH	VN	-1.29	-0.0018	PASS		
			3	LCH	VN	3.32	0.00474	PASS		
				MCH	VN	4.11	0.00581	PASS		
				HCH	VN	-4.61	-0.00645	PASS		
			5	LCH	VN	-1.20	-0.00171	PASS		
				MCH	VN	0.39	0.00055	PASS		
				HCH	VN	-0.49	-0.00069	PASS		
10			LCH	VN	2.30	0.00327	PASS			

Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		LTE/TM2		MCH	VN	3.33	0.00471	PASS
				HCH	VN	2.60	0.00366	PASS
			1.4	LCH	VN	-12.72	-0.01818	PASS
				MCH	VN	-0.60	-0.00085	PASS
				HCH	VN	-8.90	-0.01244	PASS
			3	LCH	VN	4.09	0.00584	PASS
				MCH	VN	-0.06	-0.00008	PASS
				HCH	VN	-3.48	-0.00487	PASS
			5	LCH	VN	-2.88	-0.00411	PASS
				MCH	VN	-1.33	-0.00188	PASS
				HCH	VN	3.28	0.0046	PASS
			10	LCH	VN	-2.63	-0.00374	PASS
				MCH	VN	-0.43	-0.00061	PASS
				HCH	VN	-5.38	-0.00757	PASS
	20	LTE/TM1	1.4	LCH	VN	-24.45	-0.03494	PASS
				MCH	VN	-3.79	-0.00536	PASS
				HCH	VN	-2.66	-0.00372	PASS
			3	LCH	VN	2.89	0.00413	PASS
				MCH	VN	-5.78	-0.00817	PASS
				HCH	VN	-3.33	-0.00466	PASS
			5	LCH	VN	-0.47	-0.00067	PASS
				MCH	VN	1.42	0.00201	PASS
				HCH	VN	2.32	0.00325	PASS
			10	LCH	VN	1.40	0.00199	PASS
				MCH	VN	1.02	0.00144	PASS
				HCH	VN	15.79	0.02221	PASS
		LTE/TM2	1.4	LCH	VN	24.22	0.03461	PASS
				MCH	VN	-17.52	-0.02476	PASS
				HCH	VN	2.53	0.00354	PASS
			3	LCH	VN	0.79	0.00113	PASS
				MCH	VN	-1.54	-0.00218	PASS
				HCH	VN	-9.38	-0.01313	PASS
			5	LCH	VN	0.99	0.00141	PASS
				MCH	VN	-0.69	-0.00098	PASS
				HCH	VN	2.66	0.00373	PASS
			10	LCH	VN	1.10	0.00156	PASS
				MCH	VN	0.84	0.00119	PASS
				HCH	VN	11.07	0.01557	PASS
	30	LTE/TM1	1.4	LCH	VN	7.55	0.01079	PASS

Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	40			MCH	VN	-8.53	-0.01206	PASS
				HCH	VN	-6.14	-0.00858	PASS
				LCH	VN	-9.78	-0.01396	PASS
			3	MCH	VN	0.17	0.00024	PASS
				HCH	VN	-10.66	-0.01492	PASS
				LCH	VN	4.68	0.00667	PASS
			5	MCH	VN	-0.09	-0.00013	PASS
				HCH	VN	0.00	0	PASS
				LCH	VN	-0.19	-0.00027	PASS
			10	MCH	VN	4.23	0.00598	PASS
				HCH	VN	9.17	0.0129	PASS
				LCH	VN	5.01	0.00716	PASS
		LTE/TM2	1.4	MCH	VN	-9.26	-0.01309	PASS
				HCH	VN	-11.10	-0.01552	PASS
				LCH	VN	7.97	0.01138	PASS
			3	MCH	VN	0.10	0.00014	PASS
				HCH	VN	-2.33	-0.00326	PASS
				LCH	VN	-1.85	-0.00264	PASS
			5	MCH	VN	-0.63	-0.00089	PASS
				HCH	VN	-0.72	-0.00101	PASS
				LCH	VN	-2.90	-0.00412	PASS
			10	MCH	VN	0.19	0.00027	PASS
				HCH	VN	-1.37	-0.00193	PASS
				LCH	VN	-6.51	-0.0093	PASS
		LTE/TM1	1.4	MCH	VN	10.97	0.01551	PASS
				HCH	VN	-4.39	-0.00614	PASS
				LCH	VN	7.55	0.01078	PASS
			3	MCH	VN	2.76	0.0039	PASS
				HCH	VN	-3.22	-0.00451	PASS
				LCH	VN	-0.69	-0.00098	PASS
			5	MCH	VN	1.23	0.00174	PASS
				HCH	VN	2.27	0.00318	PASS
				LCH	VN	-6.09	-0.00865	PASS
			10	MCH	VN	-0.17	-0.00024	PASS
				HCH	VN	6.97	0.0098	PASS
				LCH	VN	21.72	0.03104	PASS
		LTE/TM2	1.4	MCH	VN	-2.85	-0.00403	PASS
				HCH	VN	-6.69	-0.00935	PASS
				LCH	VN	-0.54	-0.00077	PASS
			3	LCH	VN	-0.54	-0.00077	PASS

Test Band	Test Temp.	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				MCH	VN	-0.34	-0.00048	PASS
				HCH	VN	5.25	0.00735	PASS
			5	LCH	VN	-1.46	-0.00208	PASS
				MCH	VN	-0.94	-0.00133	PASS
				HCH	VN	-0.27	-0.00038	PASS
			10	LCH	VN	-0.46	-0.00065	PASS
				MCH	VN	-2.40	-0.00339	PASS
				HCH	VN	4.38	0.00616	PASS
	50	LTE/TM1	1.4	LCH	VN	-7.58	-0.01083	PASS
				MCH	VN	3.95	0.00558	PASS
				HCH	VN	12.63	0.01766	PASS
			3	LCH	VN	-2.19	-0.00313	PASS
				MCH	VN	0.57	0.00081	PASS
				HCH	VN	-3.30	-0.00462	PASS
			5	LCH	VN	-0.49	-0.0007	PASS
				MCH	VN	-0.69	-0.00098	PASS
				HCH	VN	0.49	0.00069	PASS
			10	LCH	VN	-3.79	-0.00538	PASS
				MCH	VN	0.72	0.00102	PASS
				HCH	VN	10.41	0.01464	PASS
		LTE/TM2	1.4	LCH	VN	-30.60	-0.04373	PASS
				MCH	VN	-1.89	-0.00267	PASS
				HCH	VN	-9.66	-0.0135	PASS
			3	LCH	VN	-1.79	-0.00256	PASS
				MCH	VN	17.57	0.02483	PASS
				HCH	VN	-5.02	-0.00703	PASS
			5	LCH	VN	0.07	0.0001	PASS
				MCH	VN	-0.03	-0.00004	PASS
				HCH	VN	1.32	0.00185	PASS
			10	LCH	VN	-0.07	-0.0001	PASS
				MCH	VN	-3.99	-0.00564	PASS
				HCH	VN	1.19	0.00167	PASS

END