



# Appendix for test report

## 1Appendix\_A: Effective (Isotropic) Radiated Power Output Data

### Part I - Test Results

Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
Band17	LTE/TM1	5	LCH	RB1#0	23.53	16.2	34.7	PASS
				RB1#13	23.81	16.48	34.7	PASS
				RB1#24	23.84	16.51	34.7	PASS
				RB12#0	22.86	15.53	34.7	PASS
				RB12#6	22.79	15.46	34.7	PASS
				RB12#13	22.53	15.2	34.7	PASS
				RB25#0	22.74	15.41	34.7	PASS
			MCH	RB1#0	23.49	16.16	34.7	PASS
				RB1#13	23.73	16.4	34.7	PASS
				RB1#24	23.65	16.32	34.7	PASS
				RB12#0	22.8	15.47	34.7	PASS
				RB12#6	22.82	15.49	34.7	PASS
				RB12#13	22.79	15.46	34.7	PASS



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	22.78	15.45	34.7	PASS
			HCH	RB1#0	23.63	16.3	34.7	PASS
				RB1#13	23.72	16.39	34.7	PASS
				RB1#24	23.54	16.21	34.7	PASS
				RB12#0	22.71	15.38	34.7	PASS
				RB12#6	22.8	15.47	34.7	PASS
				RB12#13	22.68	15.35	34.7	PASS
				RB25#0	22.77	15.44	34.7	PASS
		10	LCH	RB1#0	23.42	16.09	34.7	PASS
				RB1#25	23.49	16.16	34.7	PASS
				RB1#49	23.71	16.38	34.7	PASS
				RB25#0	22.7	15.37	34.7	PASS
				RB25#13	22.57	15.24	34.7	PASS
				RB25#25	22.7	15.37	34.7	PASS
				RB50#0	22.67	15.34	34.7	PASS
			MCH	RB1#0	23.45	16.12	34.7	PASS



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict	
				RB1#25	23.59	16.26	34.7	PASS	
				RB1#49	23.55	16.22	34.7	PASS	
				RB25#0	22.67	15.34	34.7	PASS	
				RB25#13	22.64	15.31	34.7	PASS	
				RB25#25	22.58	15.25	34.7	PASS	
				RB50#0	22.58	15.25	34.7	PASS	
				HCH	RB1#0	23.48	16.15	34.7	PASS
				RB1#25	23.58	16.25	34.7	PASS	
				RB1#49	23.56	16.23	34.7	PASS	
				RB25#0	22.81	15.48	34.7	PASS	
				RB25#13	22.77	15.44	34.7	PASS	
				RB25#25	22.52	15.19	34.7	PASS	
				RB50#0	22.79	15.46	34.7	PASS	
	LTE/TM2	5	LCH	RB1#0	22.81	15.48	34.7	PASS	
			RB1#13	23.08	15.75	34.7	PASS		



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#24	23.1	15.77	34.7	PASS
				RB12#0	21.9	14.57	34.7	PASS
				RB12#6	21.83	14.5	34.7	PASS
				RB12#13	21.62	14.29	34.7	PASS
				RB25#0	21.69	14.36	34.7	PASS
			MCH	RB1#0	22.98	15.65	34.7	PASS
				RB1#13	23.02	15.69	34.7	PASS
				RB1#24	22.95	15.62	34.7	PASS
				RB12#0	21.81	14.48	34.7	PASS
				RB12#6	21.81	14.48	34.7	PASS
				RB12#13	21.88	14.55	34.7	PASS
				RB25#0	21.72	14.39	34.7	PASS
			HCH	RB1#0	23.08	15.75	34.7	PASS
				RB1#13	23.16	15.83	34.7	PASS
				RB1#24	22.96	15.63	34.7	PASS
				RB12#0	21.71	14.38	34.7	PASS



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
		10		RB12#6	21.78	14.45	34.7	PASS
				RB12#13	21.73	14.4	34.7	PASS
				RB25#0	21.76	14.43	34.7	PASS
			LCH	RB1#0	23.02	15.69	34.7	PASS
				RB1#25	22.79	15.46	34.7	PASS
				RB1#49	22.97	15.64	34.7	PASS
				RB25#0	21.69	14.36	34.7	PASS
				RB25#13	21.54	14.21	34.7	PASS
				RB25#25	21.69	14.36	34.7	PASS
		RB50#0	21.62	14.29	34.7	PASS		
		MCH	RB1#0	23.03	15.7	34.7	PASS	
			RB1#25	22.89	15.56	34.7	PASS	
			RB1#49	22.77	15.44	34.7	PASS	
			RB25#0	21.66	14.33	34.7	PASS	
			RB25#13	21.64	14.31	34.7	PASS	

Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#25	21.57	14.24	34.7	PASS
				RB50#0	21.51	14.18	34.7	PASS
			HCH	RB1#0	22.91	15.58	34.7	PASS
				RB1#25	22.94	15.61	34.7	PASS
				RB1#49	22.7	15.37	34.7	PASS
				RB25#0	21.79	14.46	34.7	PASS
				RB25#13	21.7	14.37	34.7	PASS
				RB25#25	21.84	14.51	34.7	PASS
				RB50#0	21.71	14.38	34.7	PASS

Note1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b, SGP = Signal Generator Level

Note2:

$$\text{SET Span} = 1.5 * \text{OBW}$$

$$\text{SET RBW} = 1\% \text{ of the OBW, not to exceed 1MHz}$$



SET VBW  $\geq 3 * RBW$

SET Sweep time = auto - couple.

Detector: RMS



## 2Appendix\_B: Peak-to-Average Ratio

### Part I - Test Results

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
Band17	LTE/TM1	5	LCH	RB1#0	5.58	13	PASS
				RB1#13	5.50	13	PASS
				RB1#24	5.47	13	PASS
				RB12#0	5.85	13	PASS
				RB12#6	5.64	13	PASS
				RB12#13	5.87	13	PASS
				RB25#0	5.91	13	PASS
			MCH	RB1#0	5.16	13	PASS
				RB1#13	5.02	13	PASS
				RB1#24	5.15	13	PASS
				RB12#0	5.73	13	PASS
				RB12#6	5.66	13	PASS
				RB12#13	5.90	13	PASS
				RB25#0	5.88	13	PASS
		HCH	RB1#0	5.56	13	PASS	
			RB1#13	5.52	13	PASS	
			RB1#24	5.56	13	PASS	
			RB12#0	5.60	13	PASS	
			RB12#6	5.76	13	PASS	
			RB12#13	5.56	13	PASS	
		10	LCH	RB1#0	5.54	13	PASS
				RB1#25	5.61	13	PASS
				RB1#49	5.40	13	PASS
				RB25#0	5.66	13	PASS
				RB25#13	5.69	13	PASS
				RB25#25	5.76	13	PASS
				RB50#0	6.01	13	PASS
			MCH	RB1#0	5.34	13	PASS
RB1#25	5.43			13	PASS		
RB1#49	5.33			13	PASS		
RB25#0	5.74			13	PASS		
RB25#13	5.60			13	PASS		
RB25#25	5.79			13	PASS		
RB50#0	5.91			13	PASS		



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
	LTE/TM2		HCH	RB1#0	5.09	13	PASS
				RB1#25	5.21	13	PASS
				RB1#49	5.14	13	PASS
				RB25#0	5.79	13	PASS
				RB25#13	5.71	13	PASS
				RB25#25	5.68	13	PASS
				RB50#0	5.93	13	PASS
		5	LCH	RB1#0	6.21	13	PASS
				RB1#13	6.06	13	PASS
				RB1#24	6.22	13	PASS
				RB12#0	6.33	13	PASS
				RB12#6	6.16	13	PASS
				RB12#13	6.42	13	PASS
				RB25#0	6.57	13	PASS
	MCH	RB1#0	5.94	13	PASS		
		RB1#13	6.15	13	PASS		
		RB1#24	6.16	13	PASS		
		RB12#0	6.40	13	PASS		
		RB12#6	6.15	13	PASS		
		RB12#13	6.76	13	PASS		
		RB25#0	6.48	13	PASS		
	HCH	RB1#0	5.89	13	PASS		
		RB1#13	5.82	13	PASS		
		RB1#24	5.79	13	PASS		
		RB12#0	6.20	13	PASS		
		RB12#6	6.16	13	PASS		
		RB12#13	6.09	13	PASS		
		RB25#0	6.52	13	PASS		
	10	LCH	RB1#0	5.66	13	PASS	
			RB1#25	5.59	13	PASS	
RB1#49			5.71	13	PASS		
RB25#0			6.23	13	PASS		
RB25#13			6.23	13	PASS		
RB25#25			6.36	13	PASS		
RB50#0			6.66	13	PASS		
MCH		RB1#0	6.31	13	PASS		
		RB1#25	6.35	13	PASS		
		RB1#49	6.22	13	PASS		
		RB25#0	6.36	13	PASS		



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#13	6.22	13	PASS
				RB25#25	6.45	13	PASS
				RB50#0	6.58	13	PASS
			HCH	RB1#0	6.16	13	PASS
				RB1#25	6.39	13	PASS
				RB1#49	6.31	13	PASS
				RB25#0	6.39	13	PASS
				RB25#13	6.27	13	PASS
				RB25#25	6.32	13	PASS
				RB50#0	6.67	13	PASS

## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

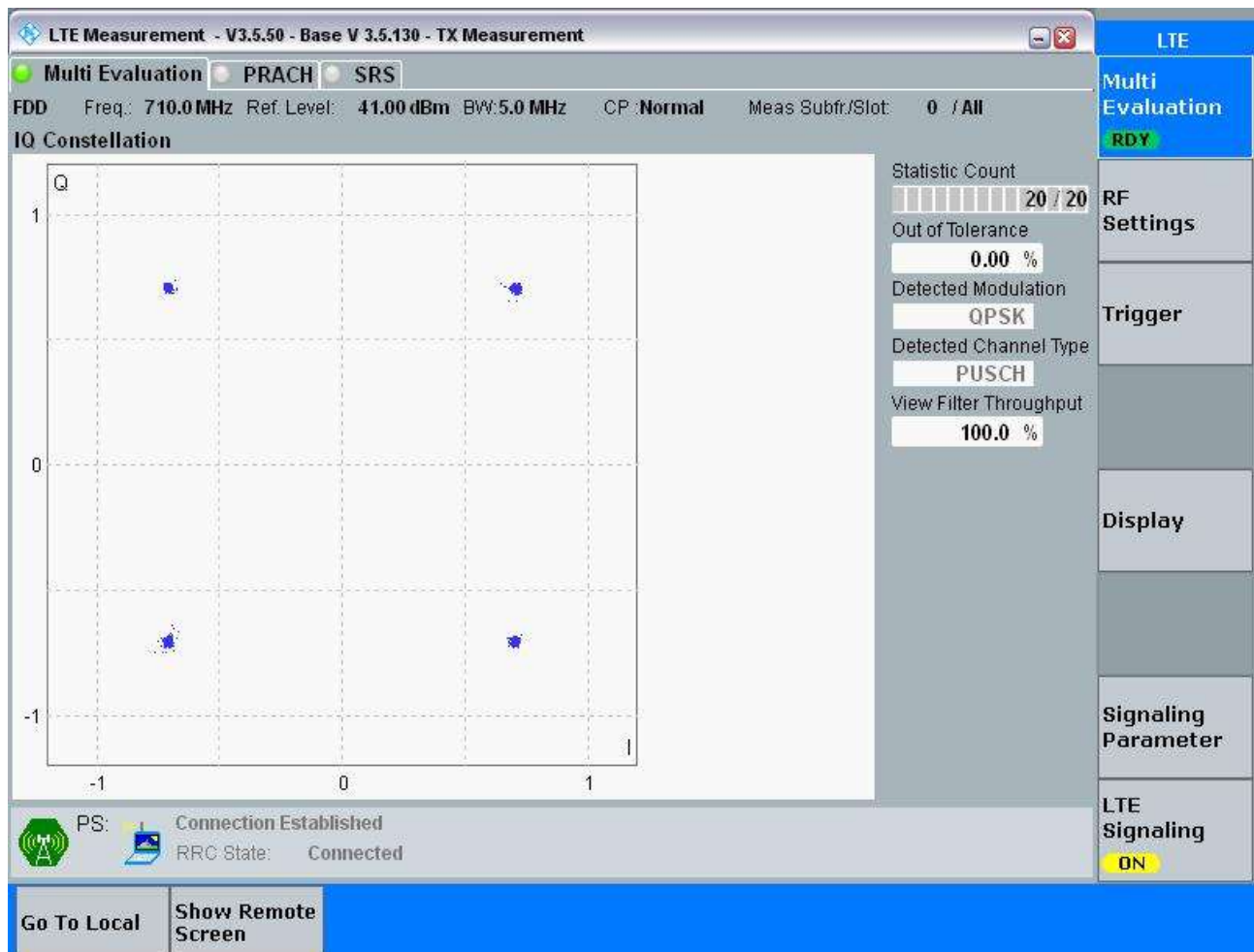
##### 3.1.1 Test Band = Band17

##### 3.1.1.1 Test Mode = LTE/TM1

##### 3.1.1.1.1 Test Bandwidth = 5

##### 3.1.1.1.1.1 Test Channel = MCH

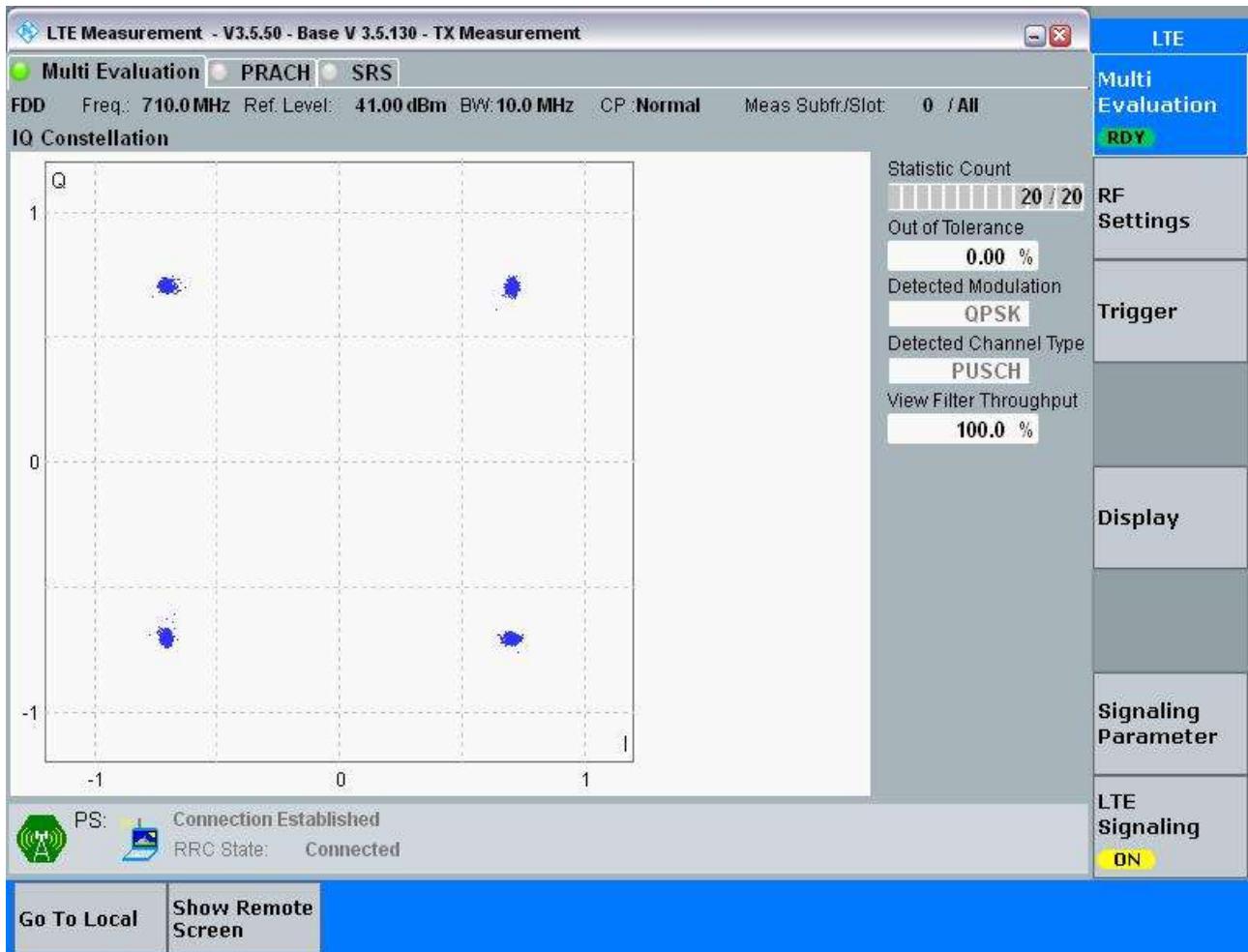
##### 3.1.1.1.1.1.1 Test RB = RB25#0



### 3.1.1.1.2 Test Bandwidth = 10

#### 3.1.1.1.2.1 Test Channel = MCH

##### 3.1.1.1.2.1.1 Test RB = RB50#0

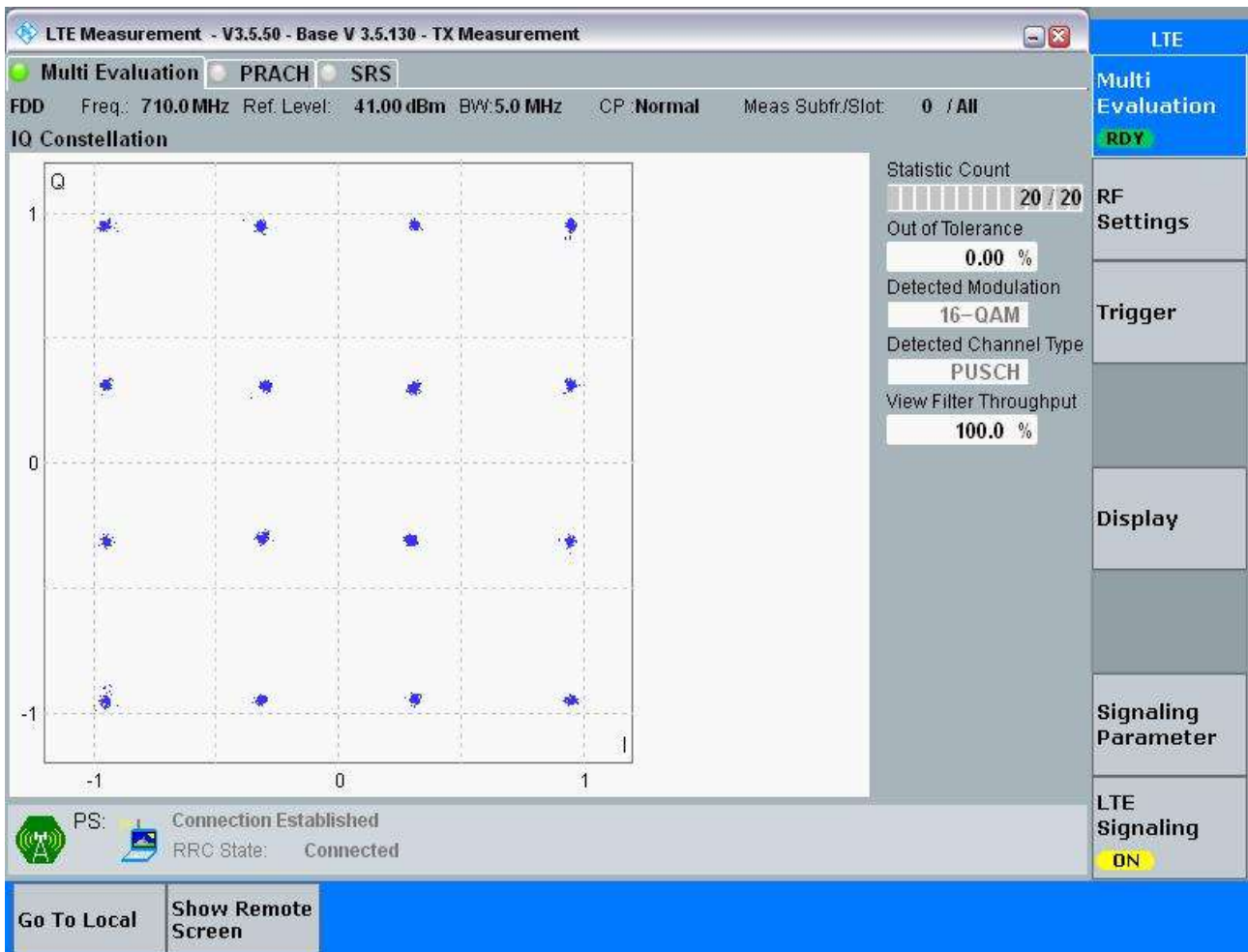


### 3.1.1.2 Test Mode = LTE/TM2

#### 3.1.1.2.1 Test Bandwidth = 5

##### 3.1.1.2.1.1 Test Channel = MCH

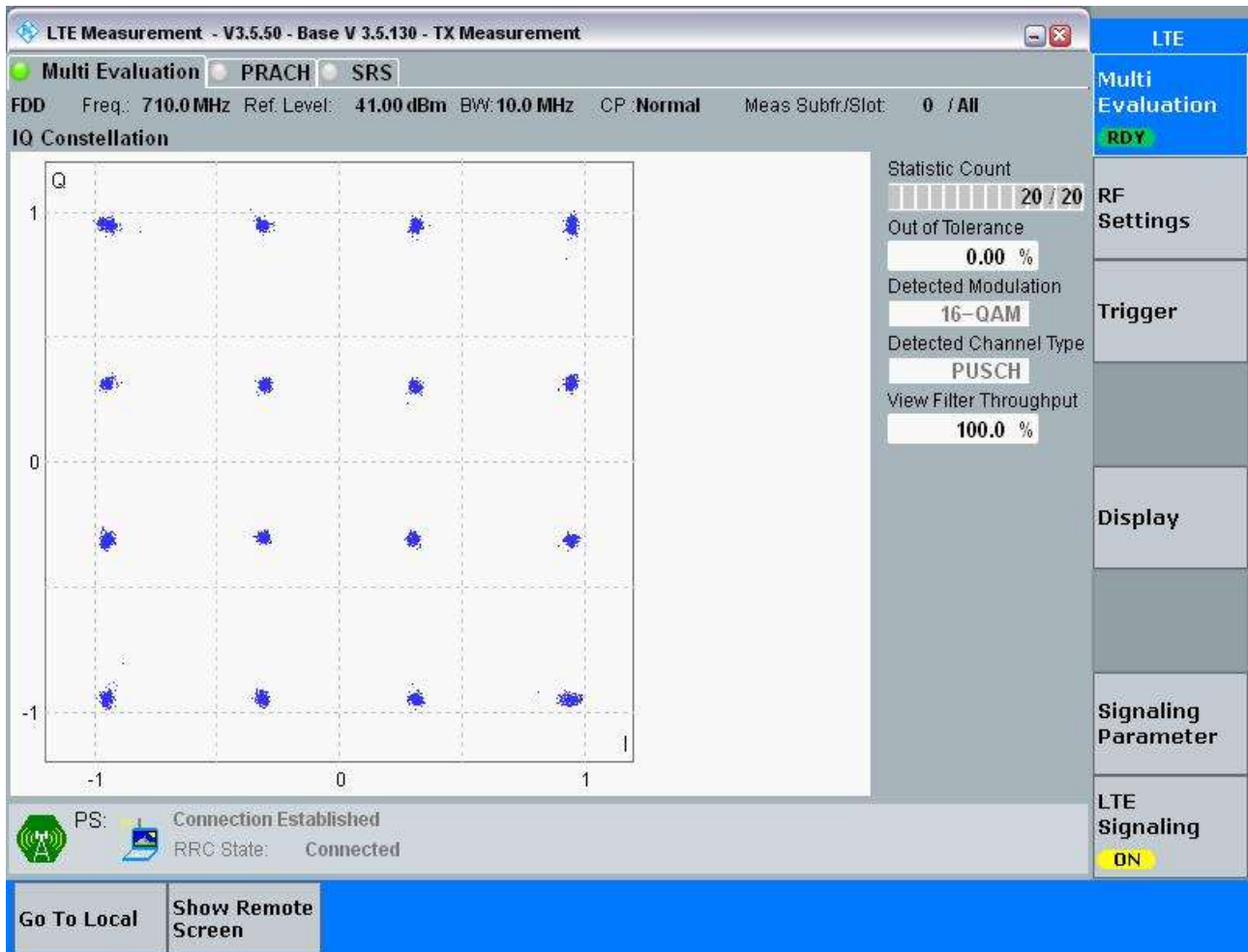
###### 3.1.1.2.1.1.1 Test RB = RB25#0



### 3.1.1.2.4 Test Bandwidth = 10

#### 3.1.1.2.4.1 Test Channel = MCH

##### 3.1.1.2.4.1.1 Test RB = RB50#0



## 4Appendix\_D: Bandwidth

### Part I - Test Results

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
Band17	LTE/TM1	5	LCH	RB25#0	4.51	4.94	Pass
			MCH	RB25#0	4.50	4.98	Pass
			HCH	RB25#0	4.50	4.96	Pass
		10	LCH	RB50#0	9.00	9.88	Pass
			MCH	RB50#0	9.02	9.87	Pass
			HCH	RB50#0	9.03	9.92	Pass
	LTE/TM2	5	LCH	RB25#0	4.51	4.94	Pass
			MCH	RB25#0	4.52	4.96	Pass
			HCH	RB25#0	4.52	4.97	Pass
		10	LCH	RB50#0	9.03	9.87	Pass
			MCH	RB50#0	9.01	9.94	Pass
			HCH	RB50#0	9.00	9.88	Pass



Part II - Test Plots

4.1 For LTE

4.1.1 Test Band = Band17

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 5

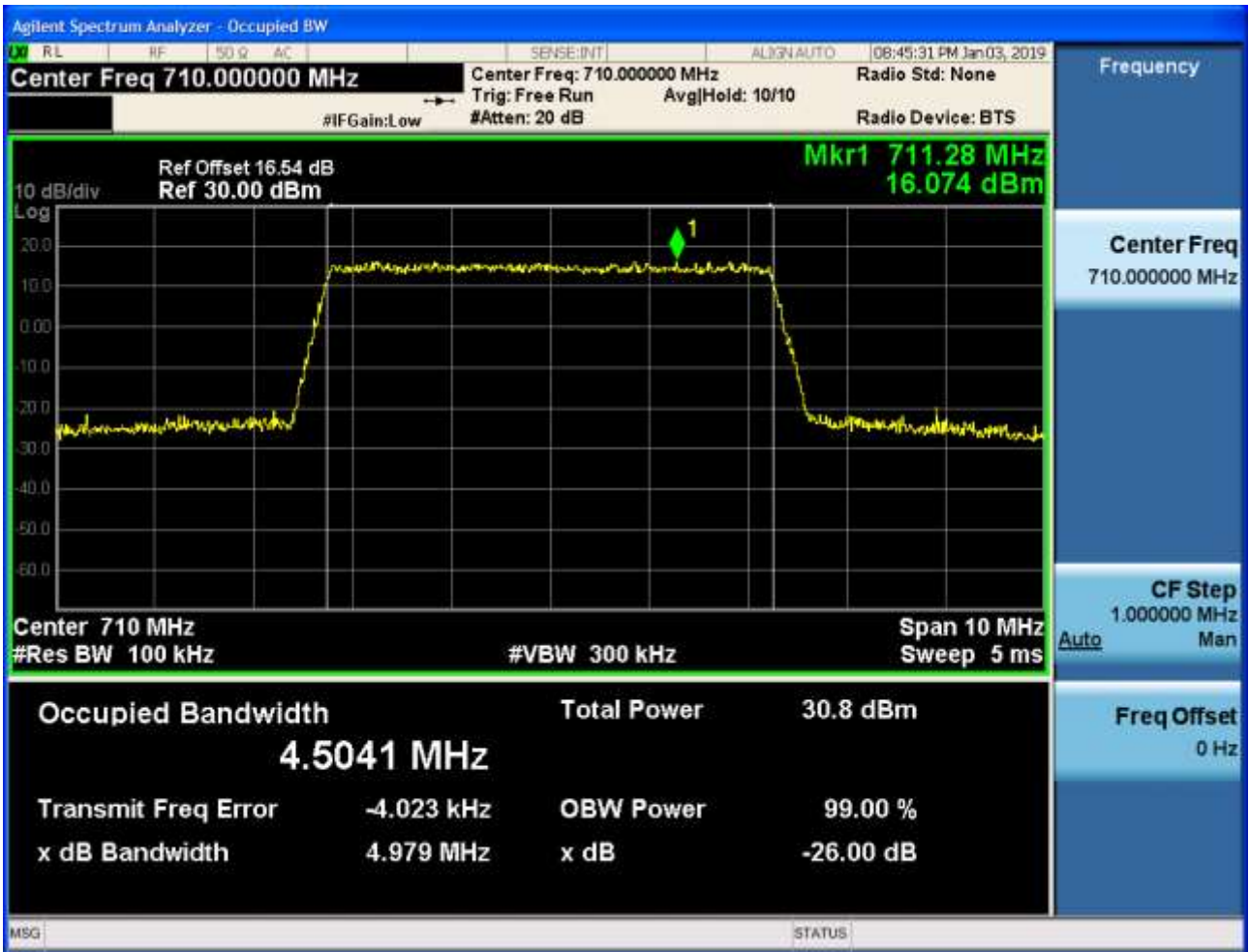
4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 Test RB = RB25#0



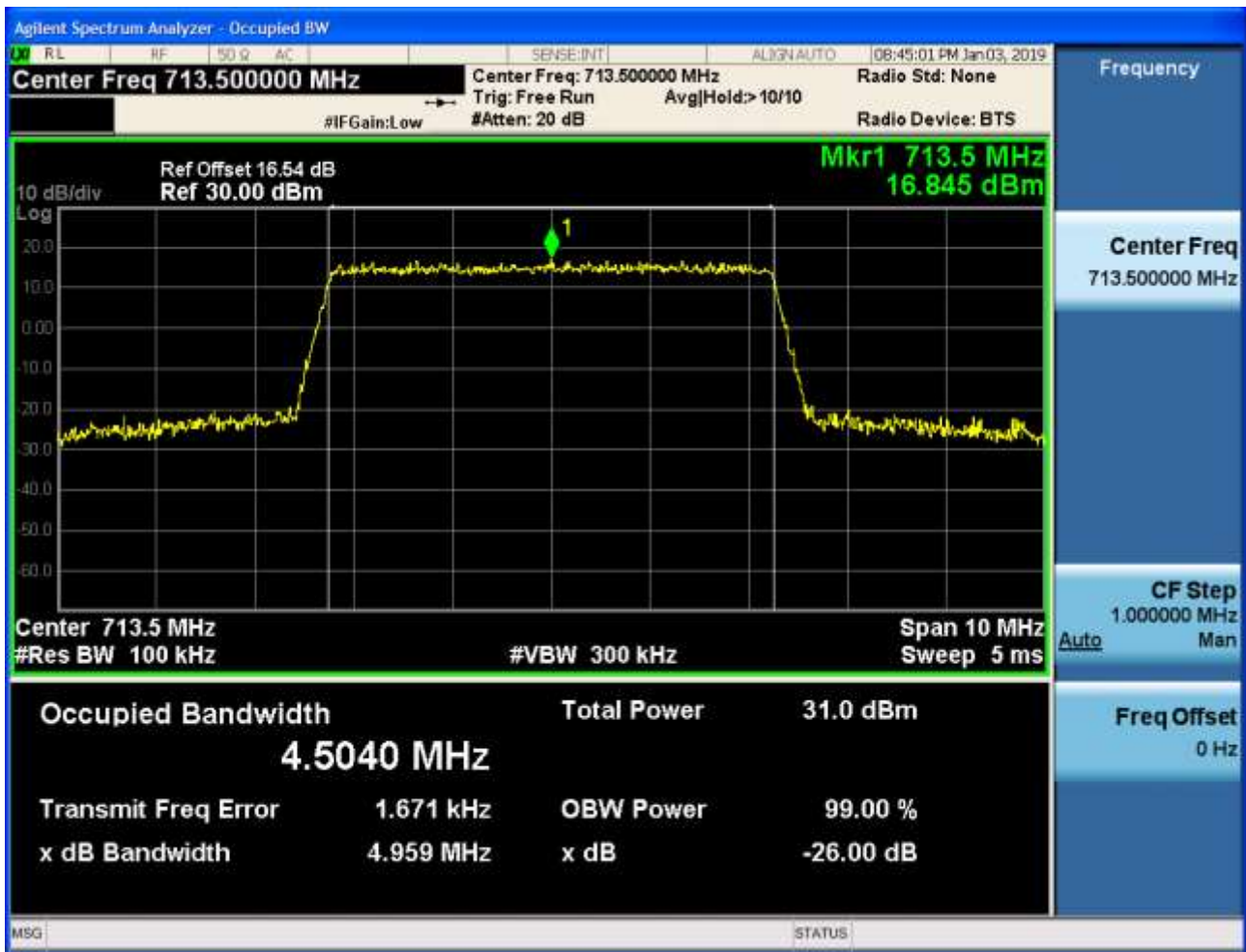
4.1.1.1.1.2 Test Channel = MCH

4.1.1.1.1.2.1 Test RB = RB25#0



## 4.1.1.1.1.3 Test Channel = HCH

## 4.1.1.1.1.3.1 Test RB = RB25#0



4.1.1.1.2 Test Bandwidth = 10

4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB50#0



4.1.1.1.2.2 Test Channel = MCH

4.1.1.1.2.2.1 Test RB = RB50#0



4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB50#0



4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 5

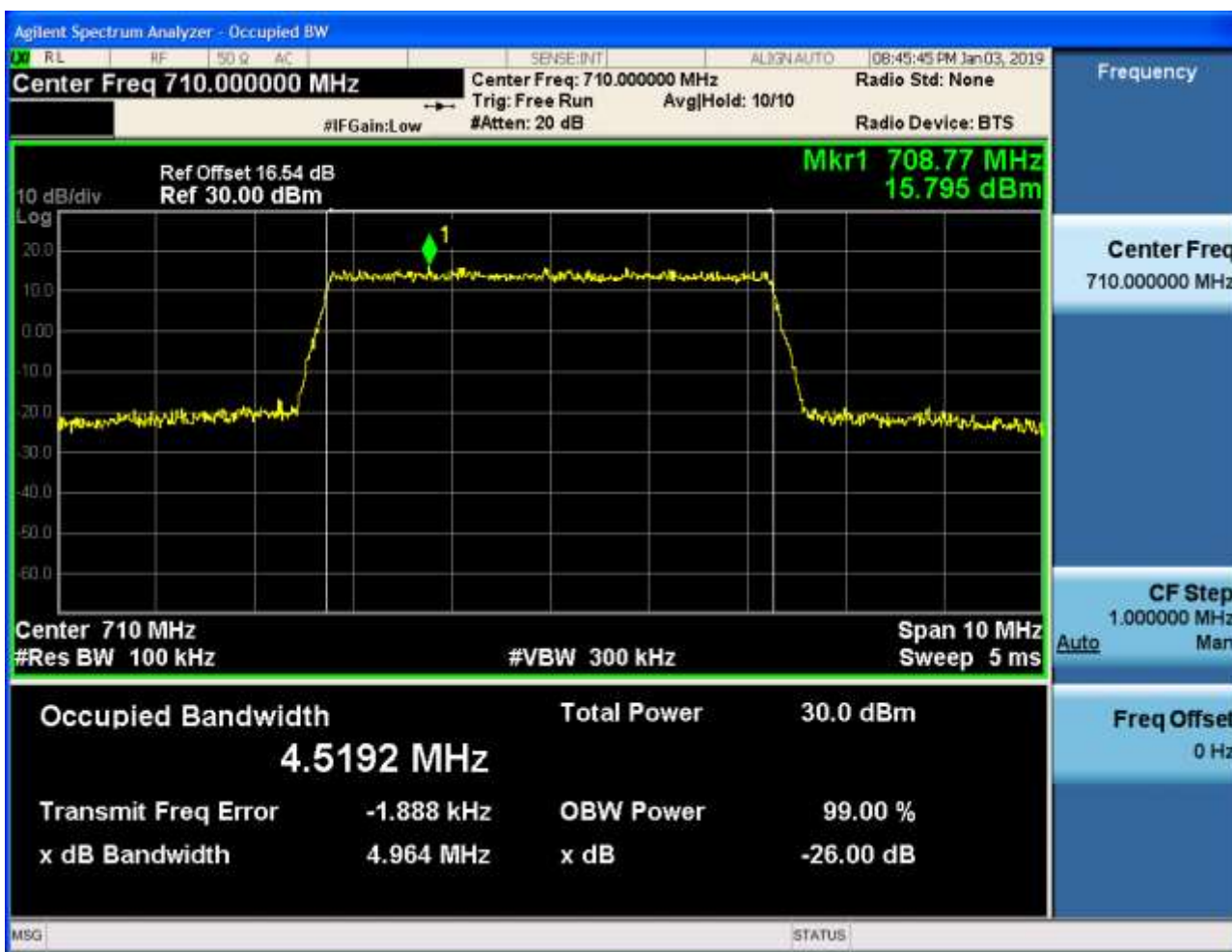
4.1.1.2.1.1 Test Channel = LCH

4.1.1.2.1.1.1 Test RB = RB25#0



4.1.1.2.1.2 Test Channel = MCH

4.1.1.2.1.2.1 Test RB = RB25#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB25#0



4.1.1.2.2 Test Bandwidth = 10

4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB50#0



## 4.1.1.2.2.2 Test Channel = MCH

## 4.1.1.2.2.1 Test RB = RB50#0



4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB50#0



## 5Appendix\_E: Band Edges Compliance

### Part I - Test Plots

#### 5.1 For LTE

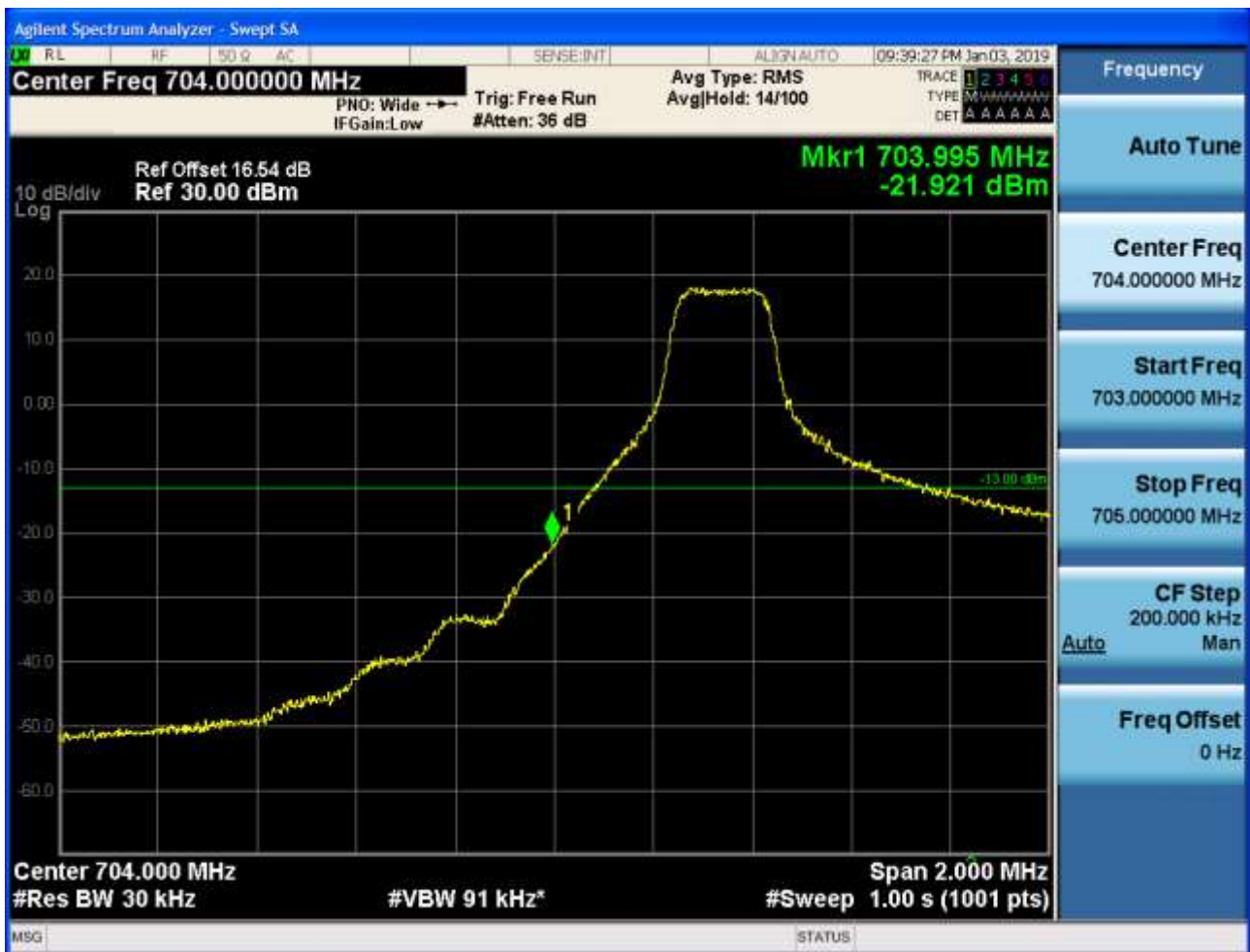
##### 5.1.1 Test Band = Band17

##### 5.1.1.1 Test Mode = LTE/TM1

##### 5.1.1.1.1 Test Bandwidth = 5

##### 5.1.1.1.1.1 Test Channel = LCH

##### 5.1.1.1.1.1 Test RB = RB1#0





5.1.1.1.1.2 Test RB = RB1#24

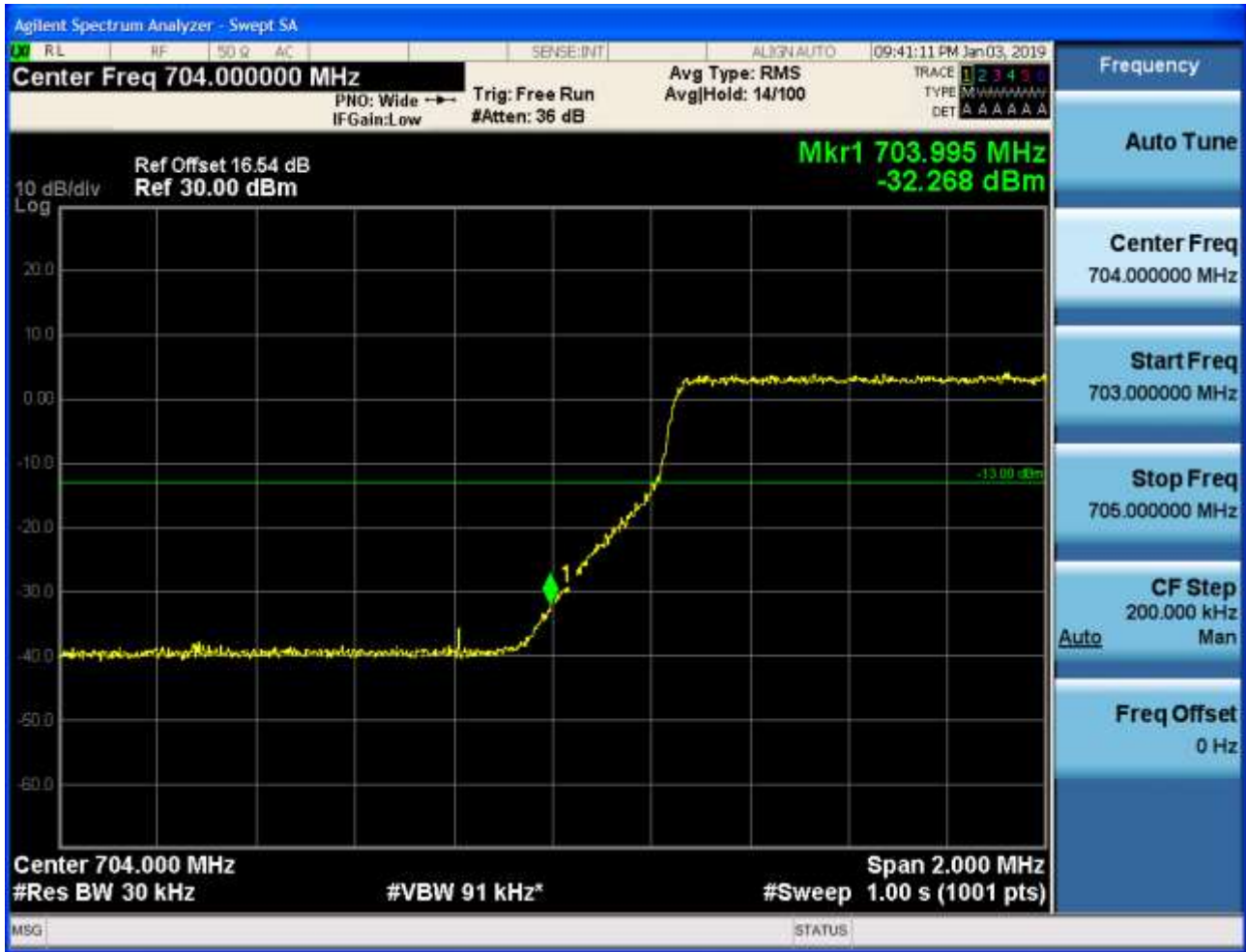




5.1.1.1.1.3 Test RB = RB12#6



5.1.1.1.1.4 Test RB = RB25#0







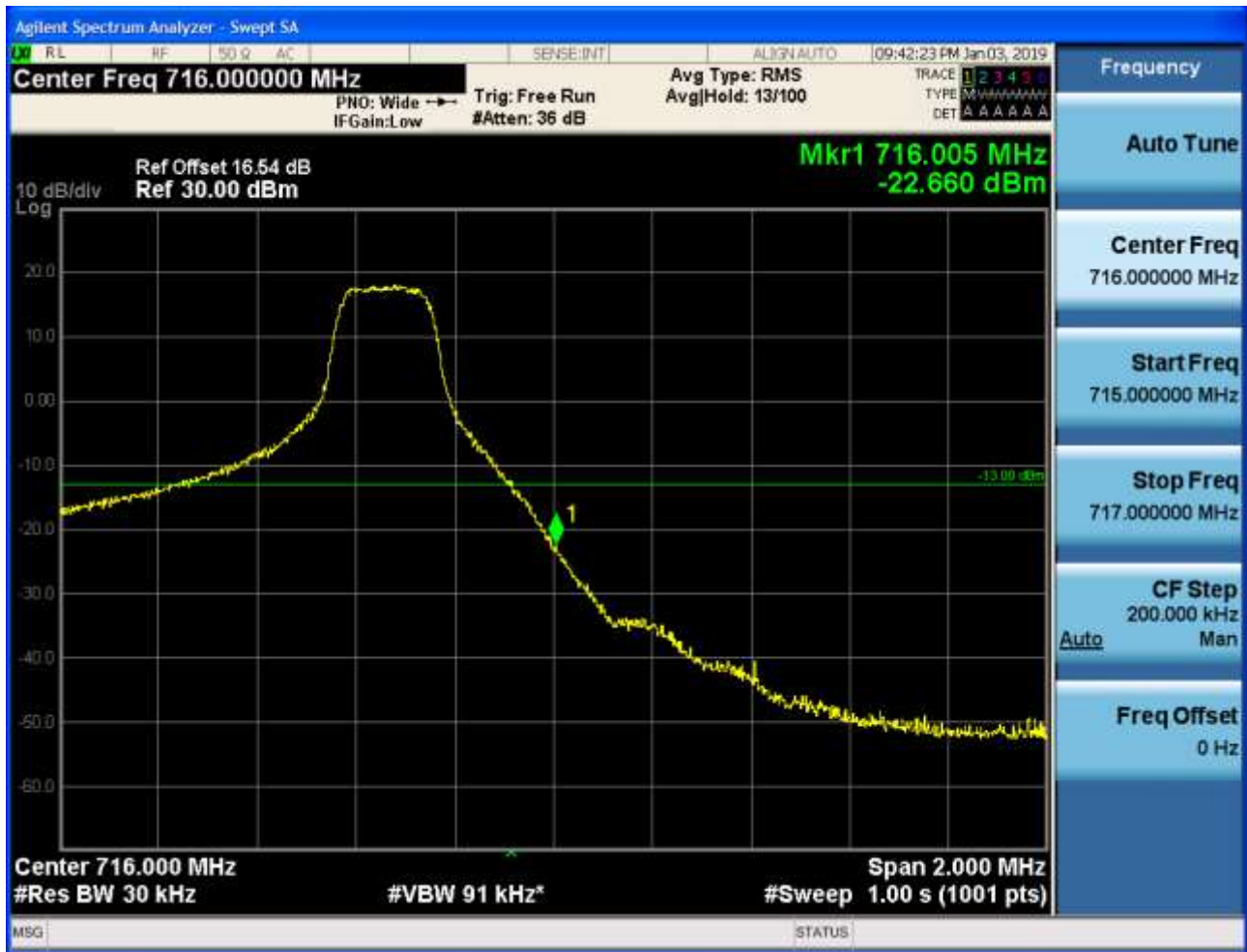
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#24



## 5.1.1.1.1.2.3 Test RB = RB12#6



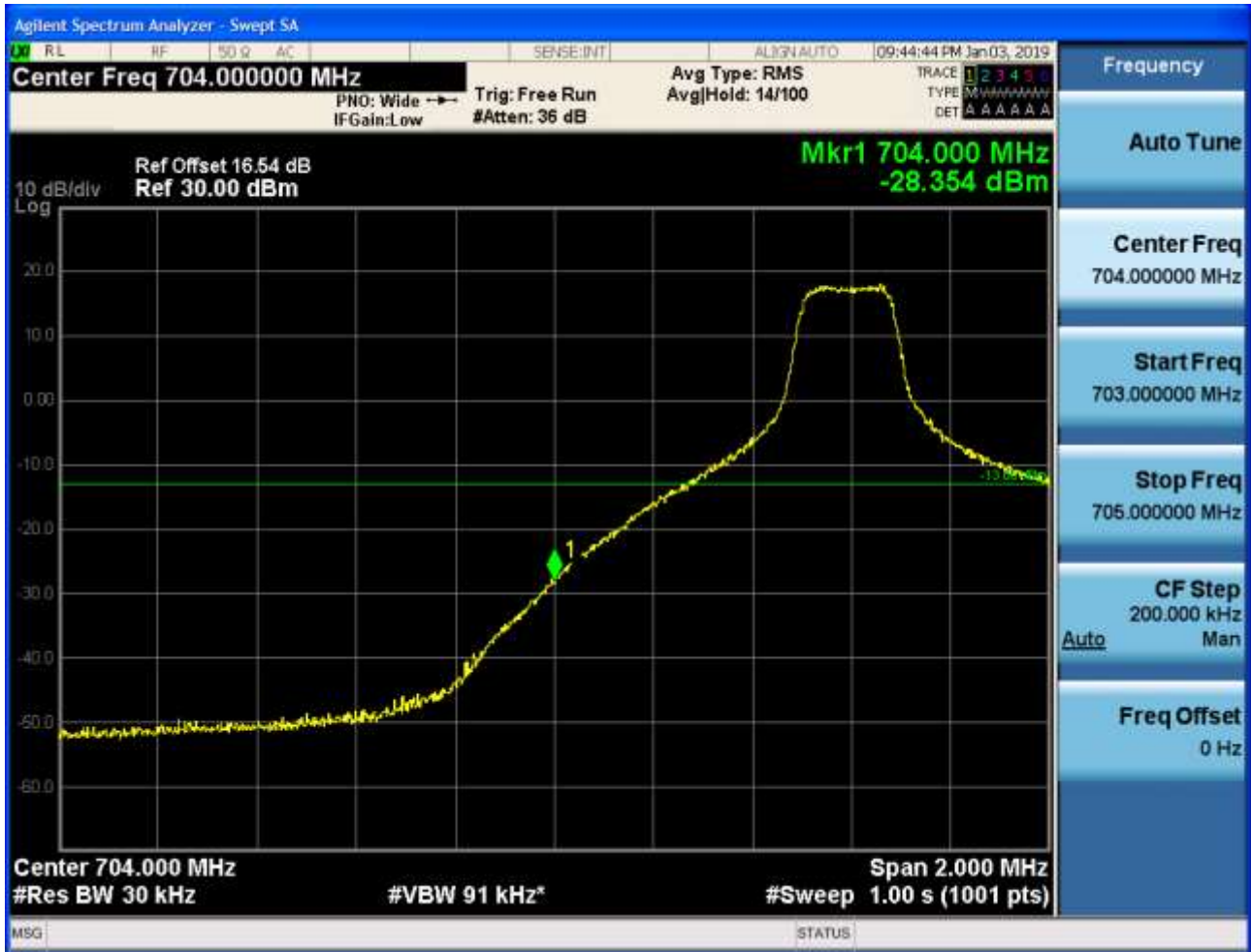
## 5.1.1.1.2.4 Test RB = RB25#0



## 5.1.1.1.2 Test Bandwidth = 10

## 5.1.1.1.2.1 Test Channel = LCH

## 5.1.1.1.2.1.1 Test RB = RB1#0





5.1.1.1.2.1.2 Test RB = RB1#49





5.1.1.1.2.1.3 Test RB = RB25#13



## 5.1.1.1.2.1.4 Test RB = RB50#0



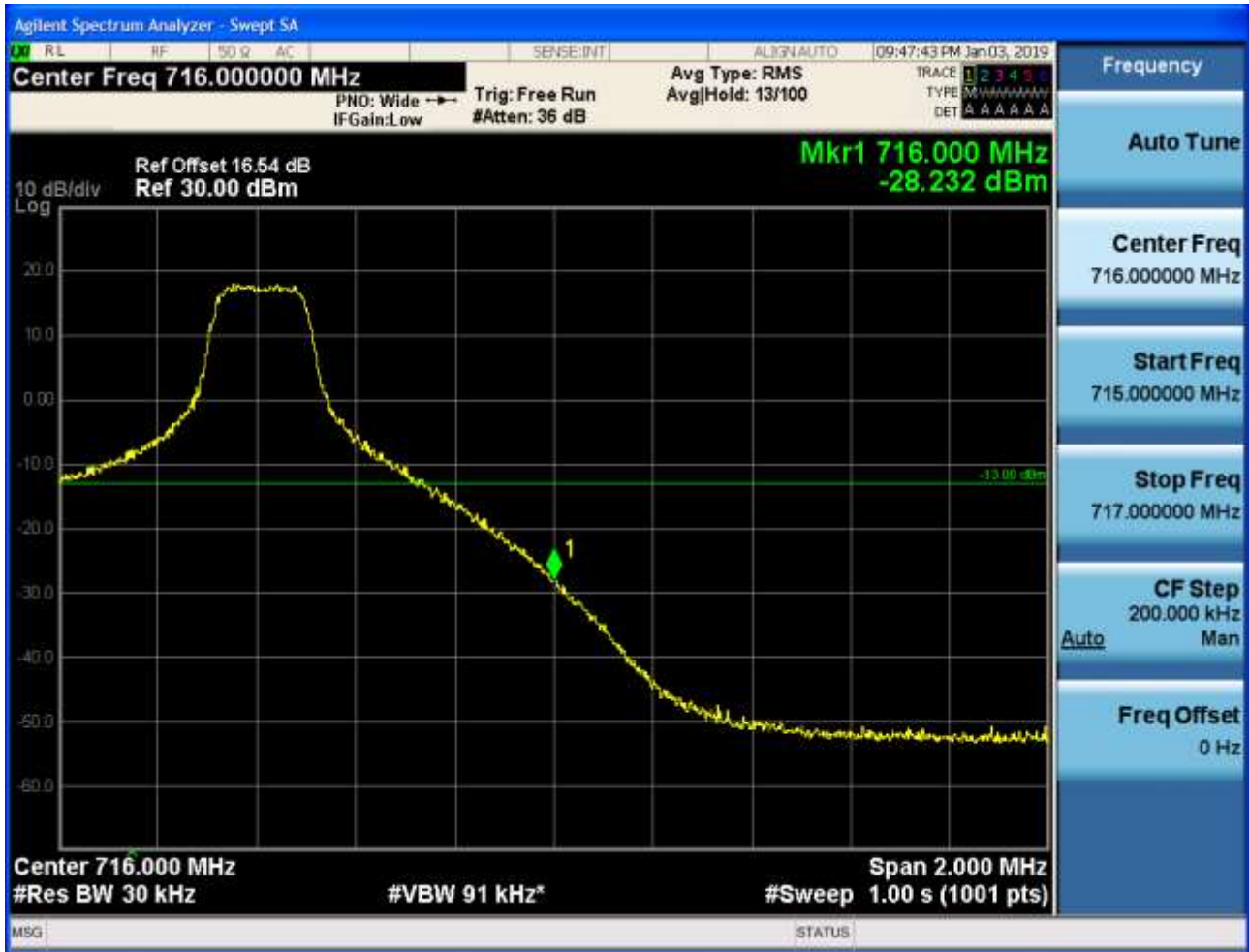


5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0



## 5.1.1.1.2.2.2 Test RB = RB1#49

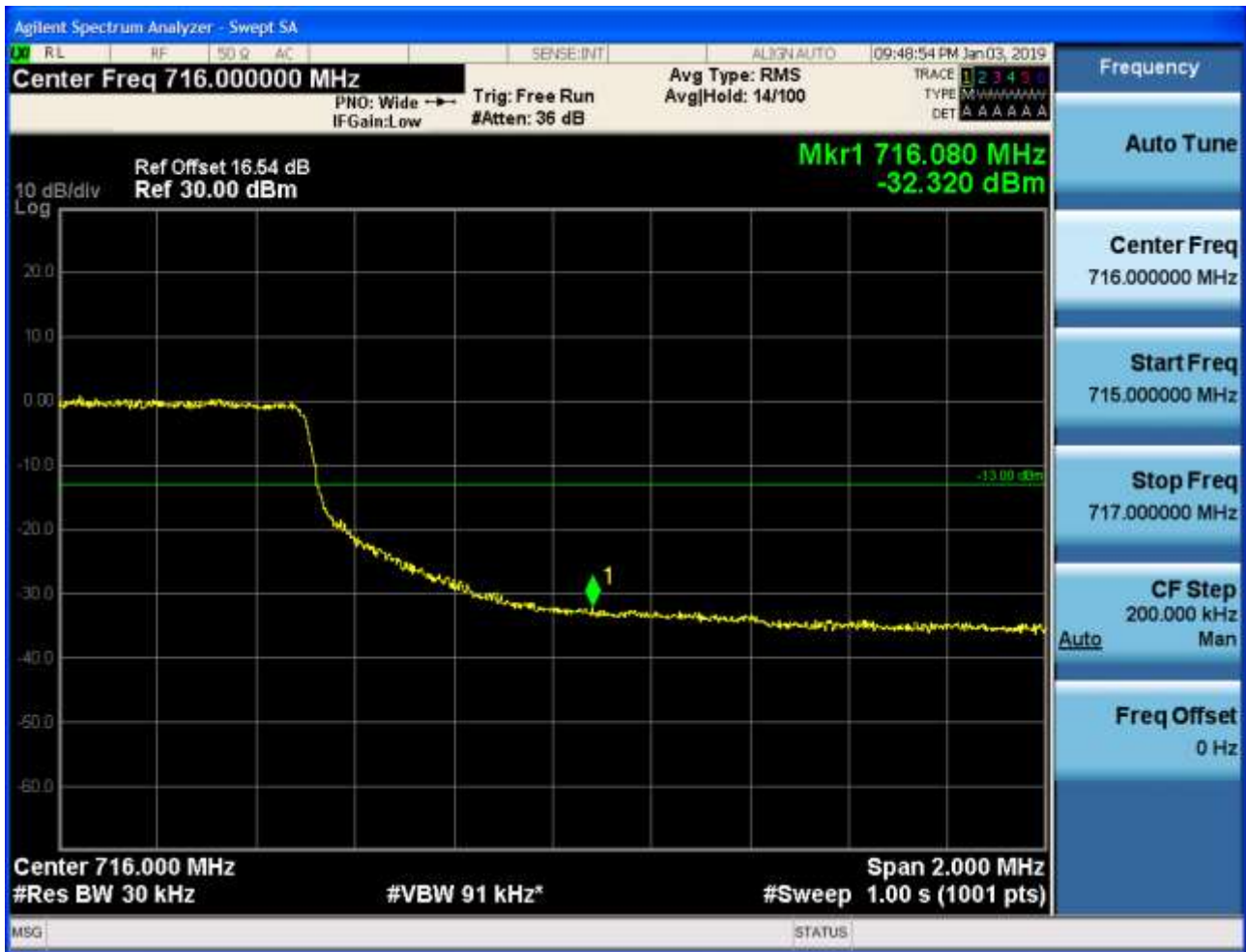




5.1.1.1.2.2.3 Test RB = RB25#13



## 5.1.1.1.2.2.4 Test RB = RB50#0







5.1.1.2.1.1.2 Test RB = RB1#24

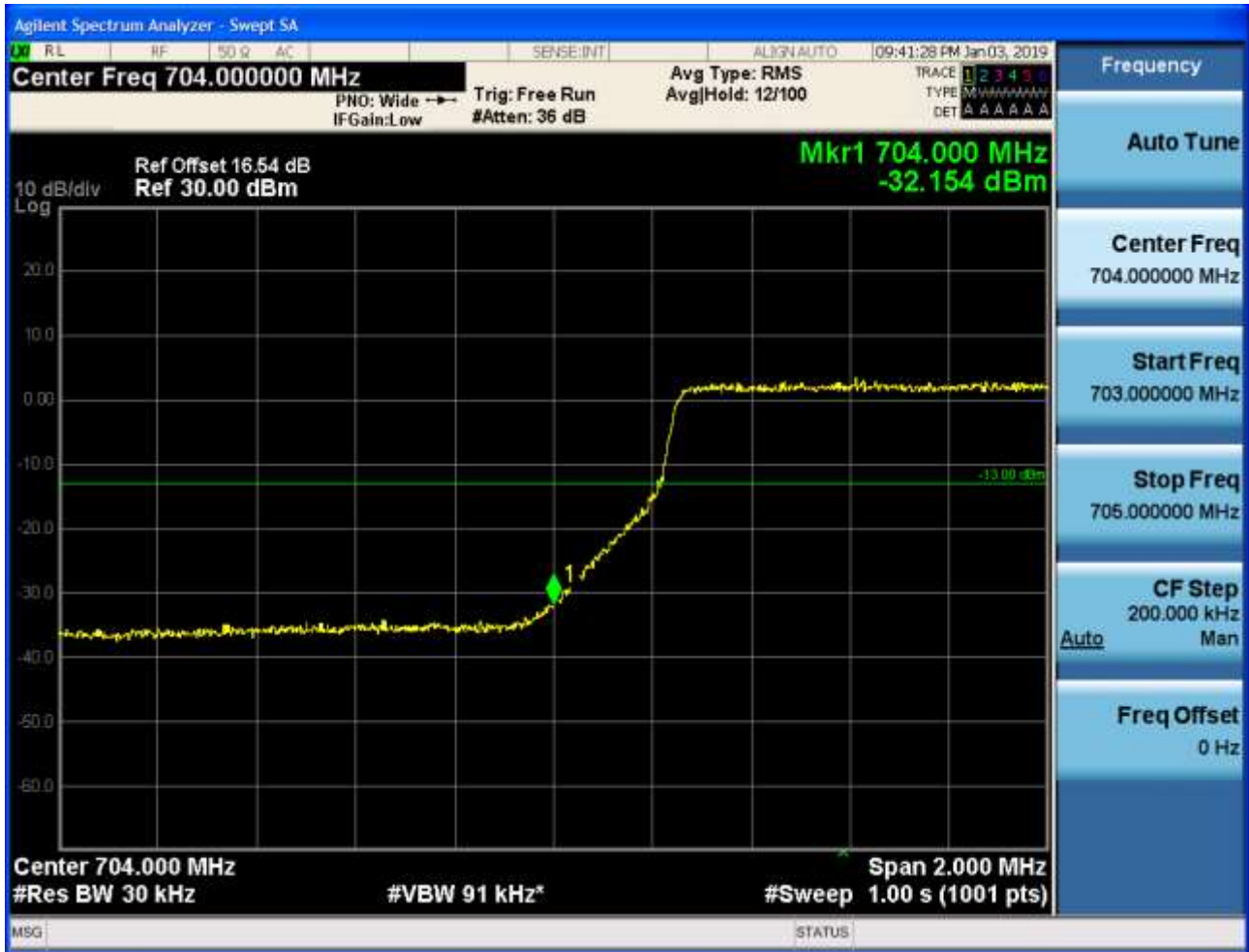




5.1.1.2.1.1.3 Test RB = RB12#6



## 5.1.1.2.1.1.4 Test RB = RB25#0





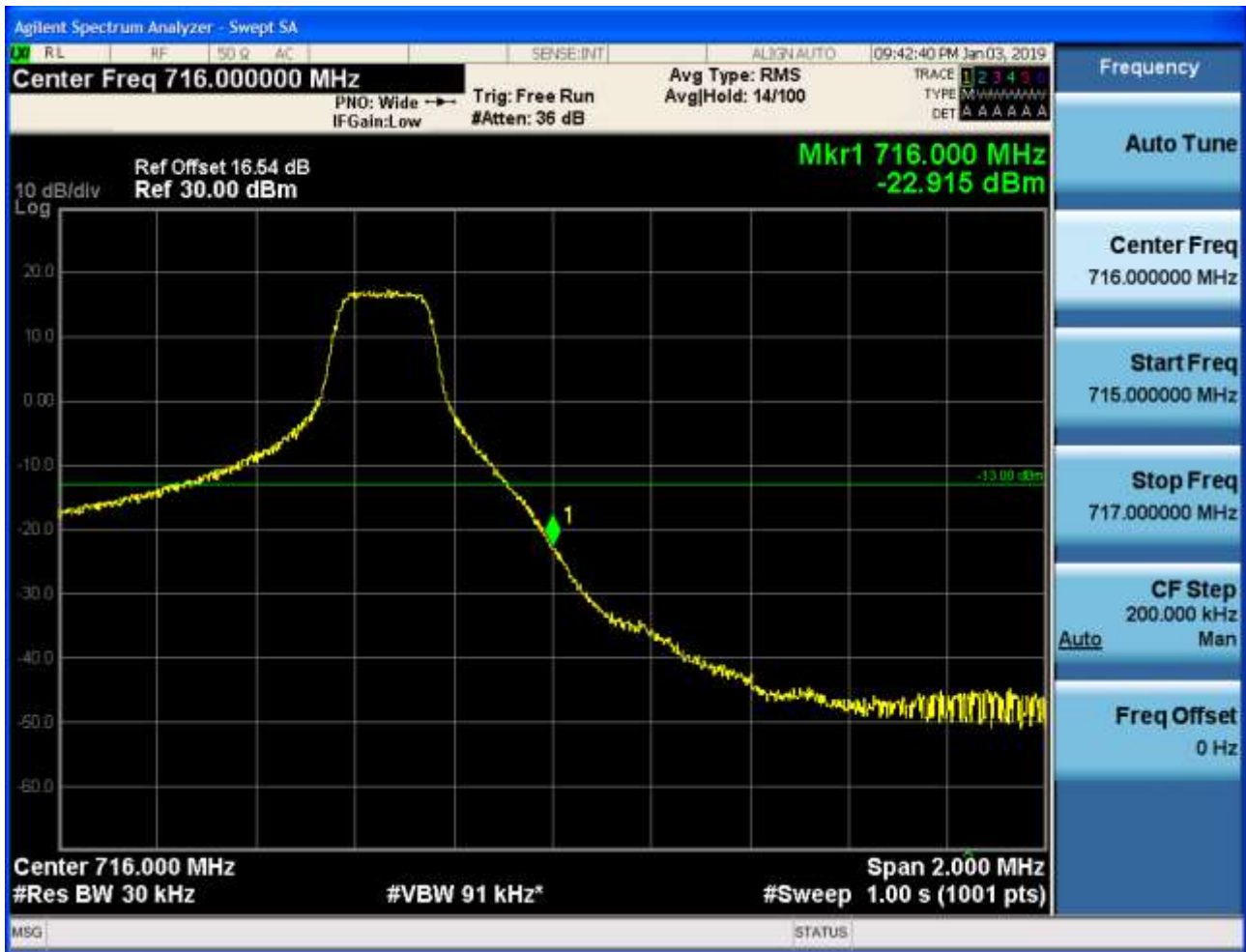


5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0



## 5.1.1.2.1.2.2 Test RB = RB1#24





5.1.1.2.1.2.3 Test RB = RB12#6



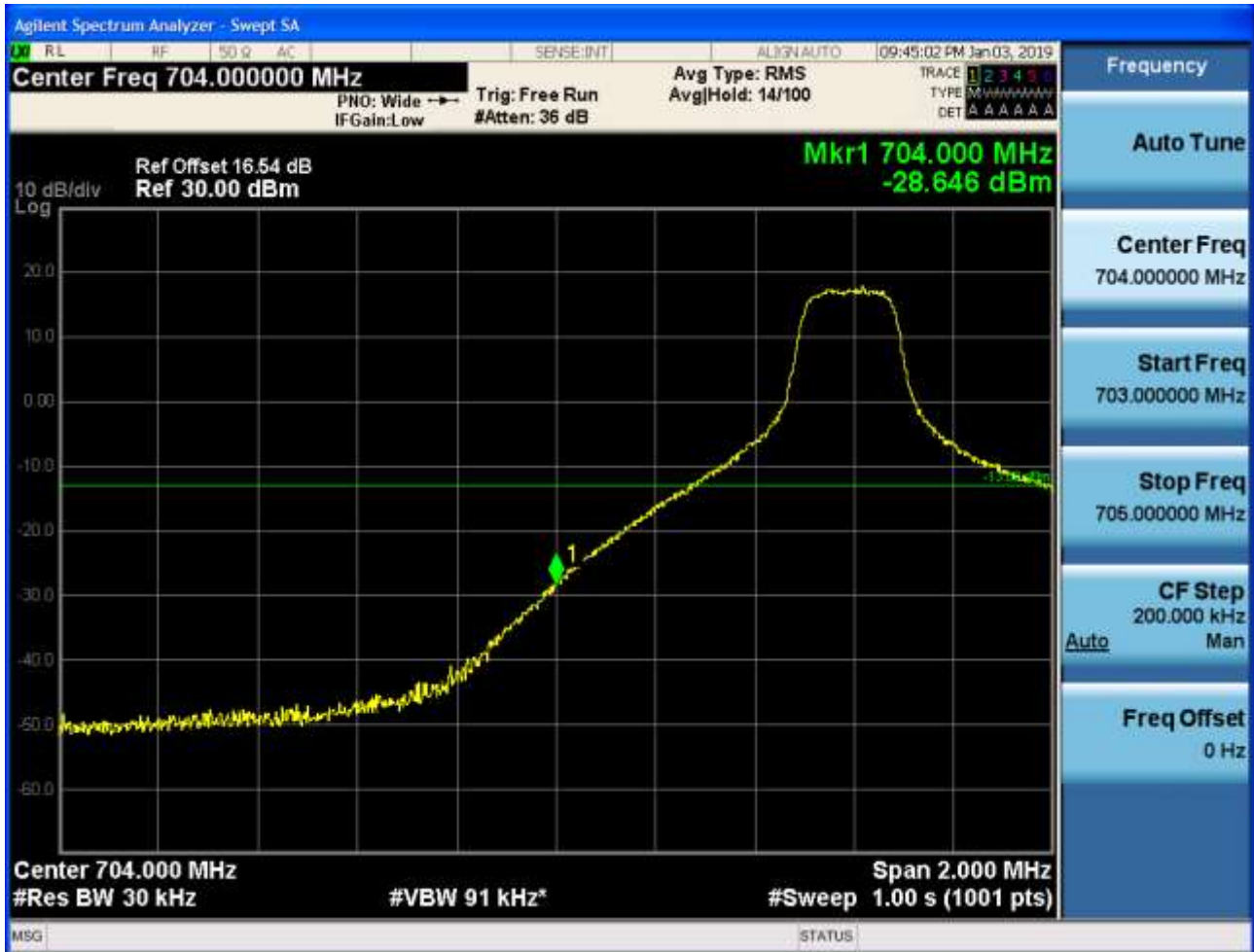
## 5.1.1.2.1.2.4 Test RB = RB25#0



## 5.1.1.2.2 Test Bandwidth = 10

## 5.1.1.2.2.1 Test Channel = LCH

## 5.1.1.2.2.1.1 Test RB = RB1#0

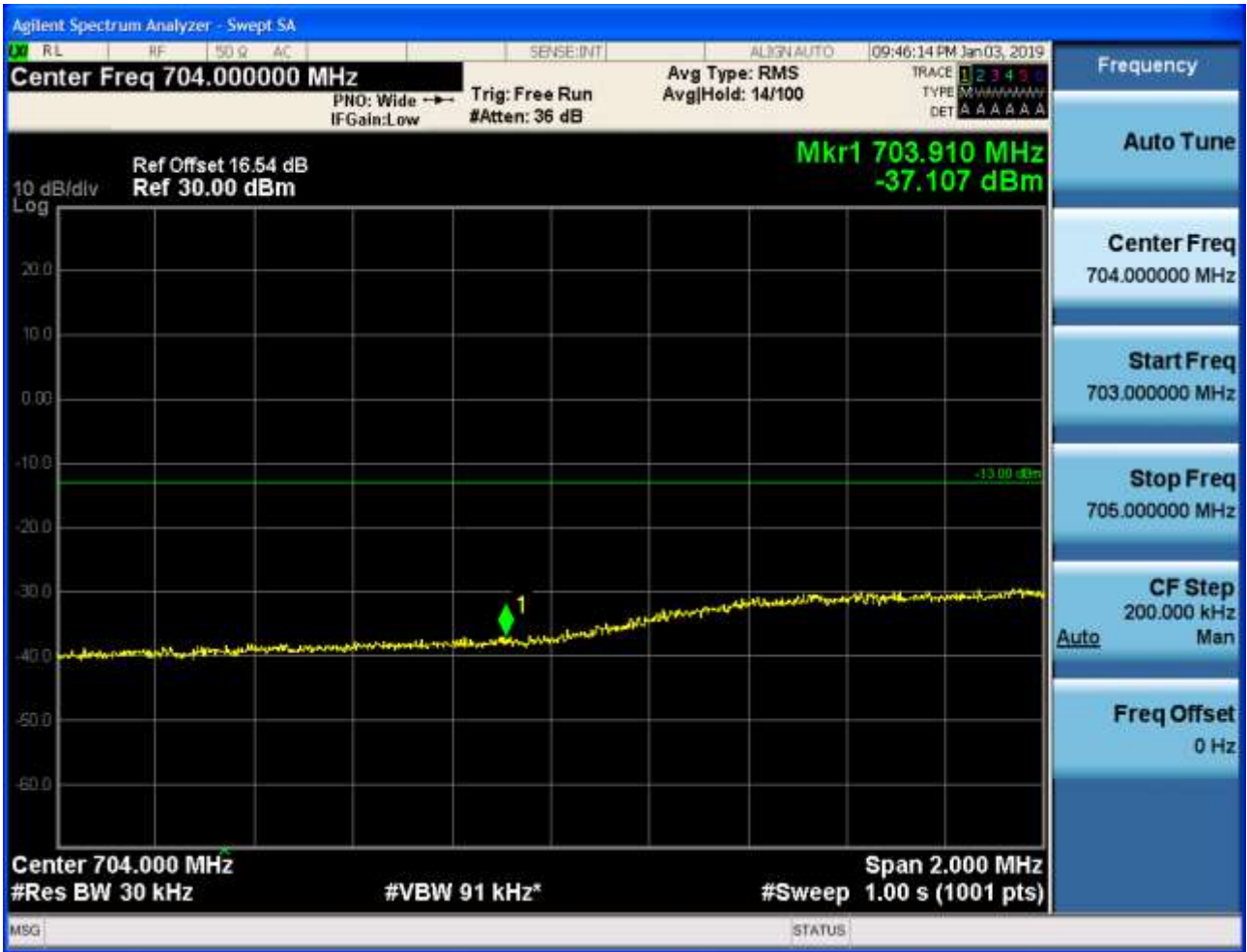


## 5.1.1.2.2.1.2 Test RB = RB1#49





5.1.1.2.2.1.3 Test RB = RB25#13



## 5.1.1.2.2.1.4 Test RB = RB50#0





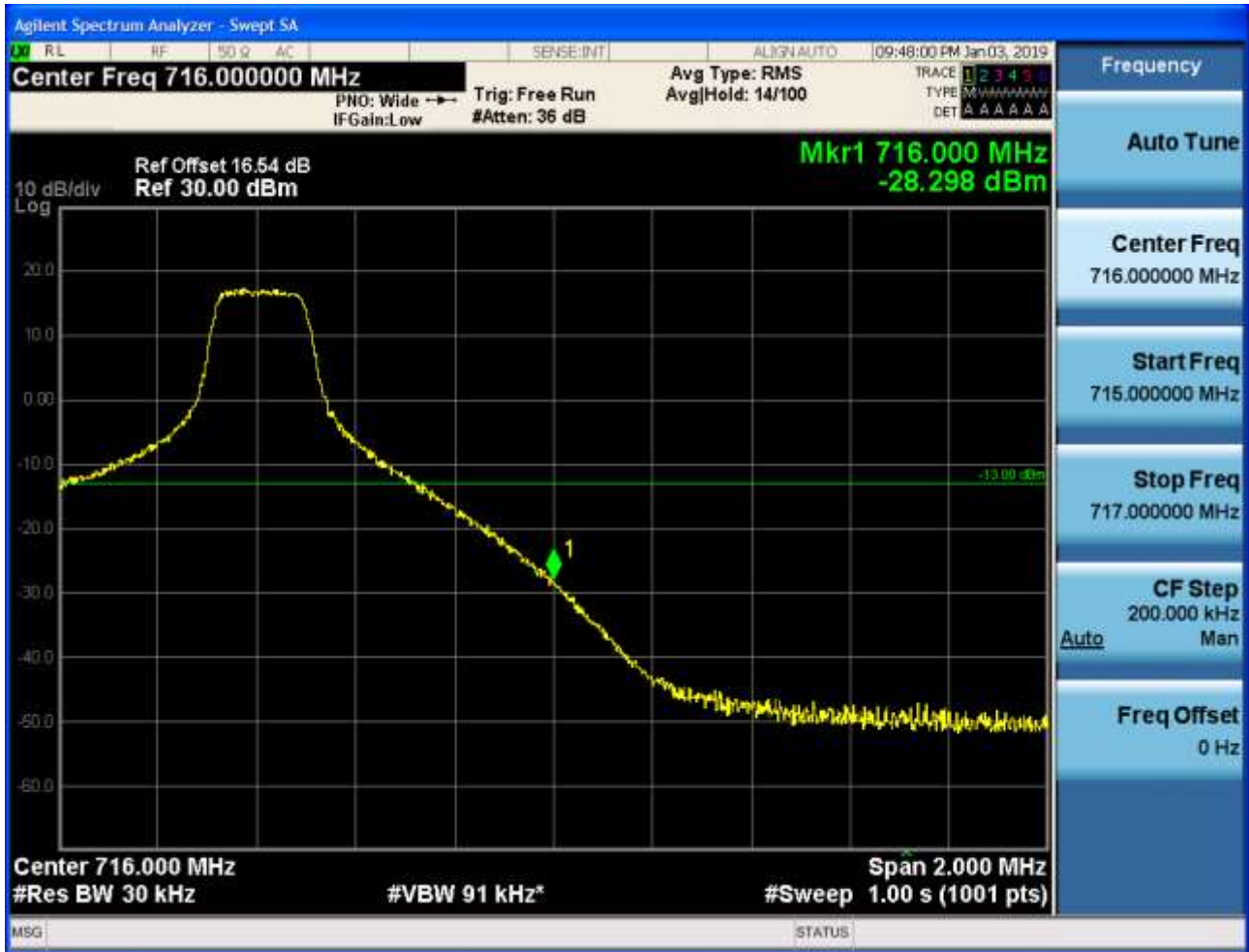


5.1.1.2.2 Test Channel = HCH

5.1.1.2.2.1 Test RB = RB1#0



## 5.1.1.2.2.2 Test RB = RB1#49

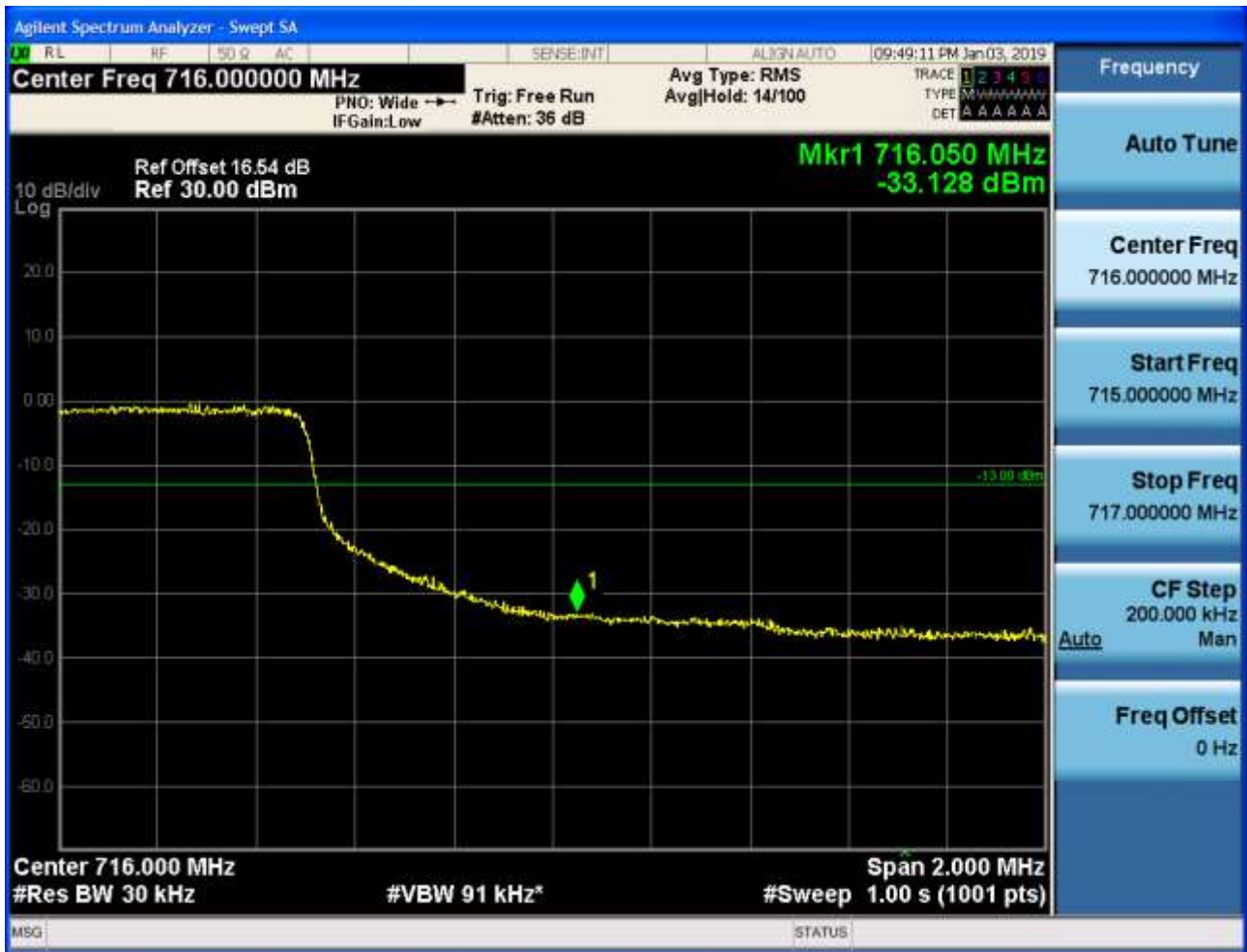




5.1.1.2.2.3 Test RB = RB25#13



## 5.1.1.2.2.4 Test RB = RB50#0



## 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 = Band17

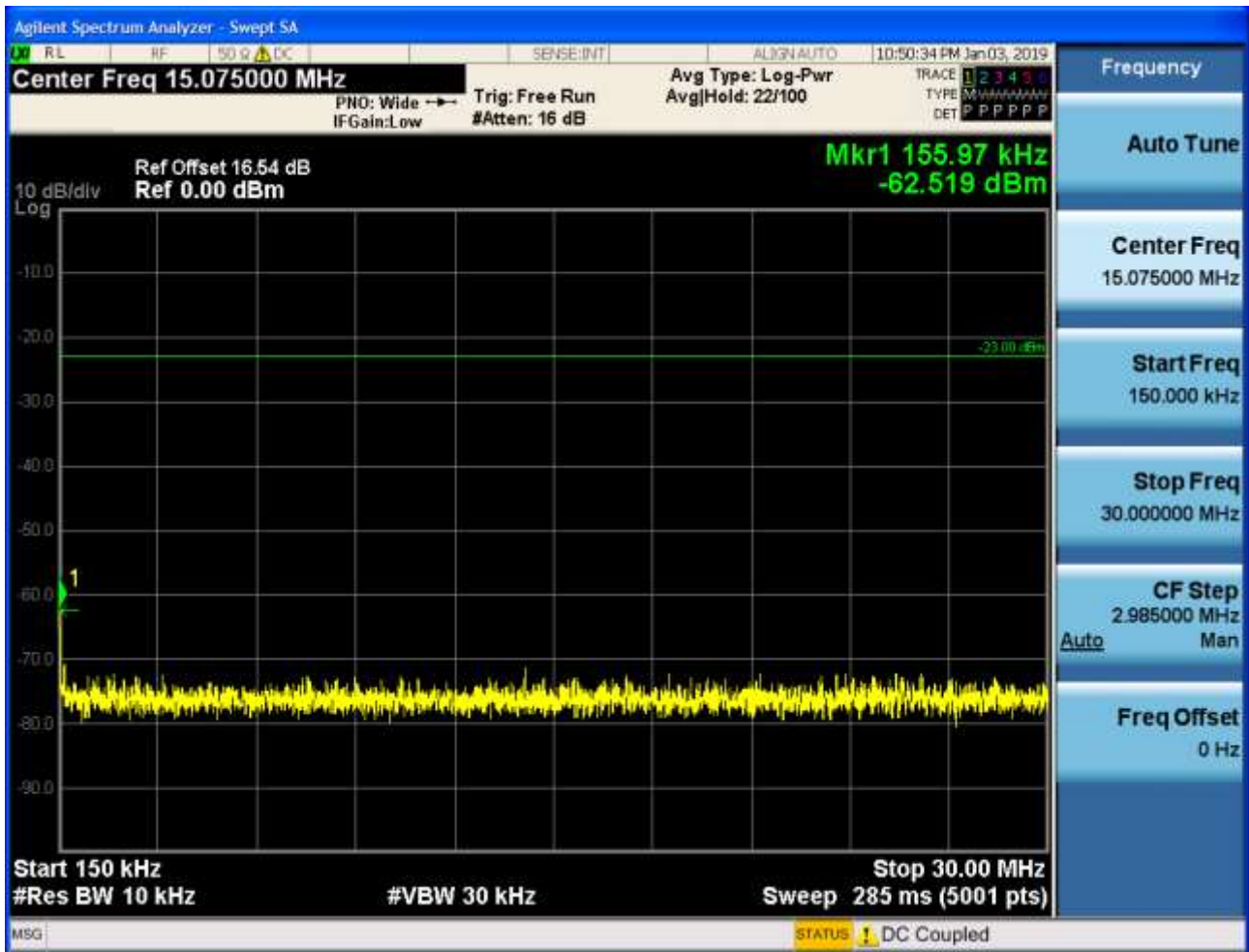
##### 6.1.1.1 Test Mode = LTE/TM1

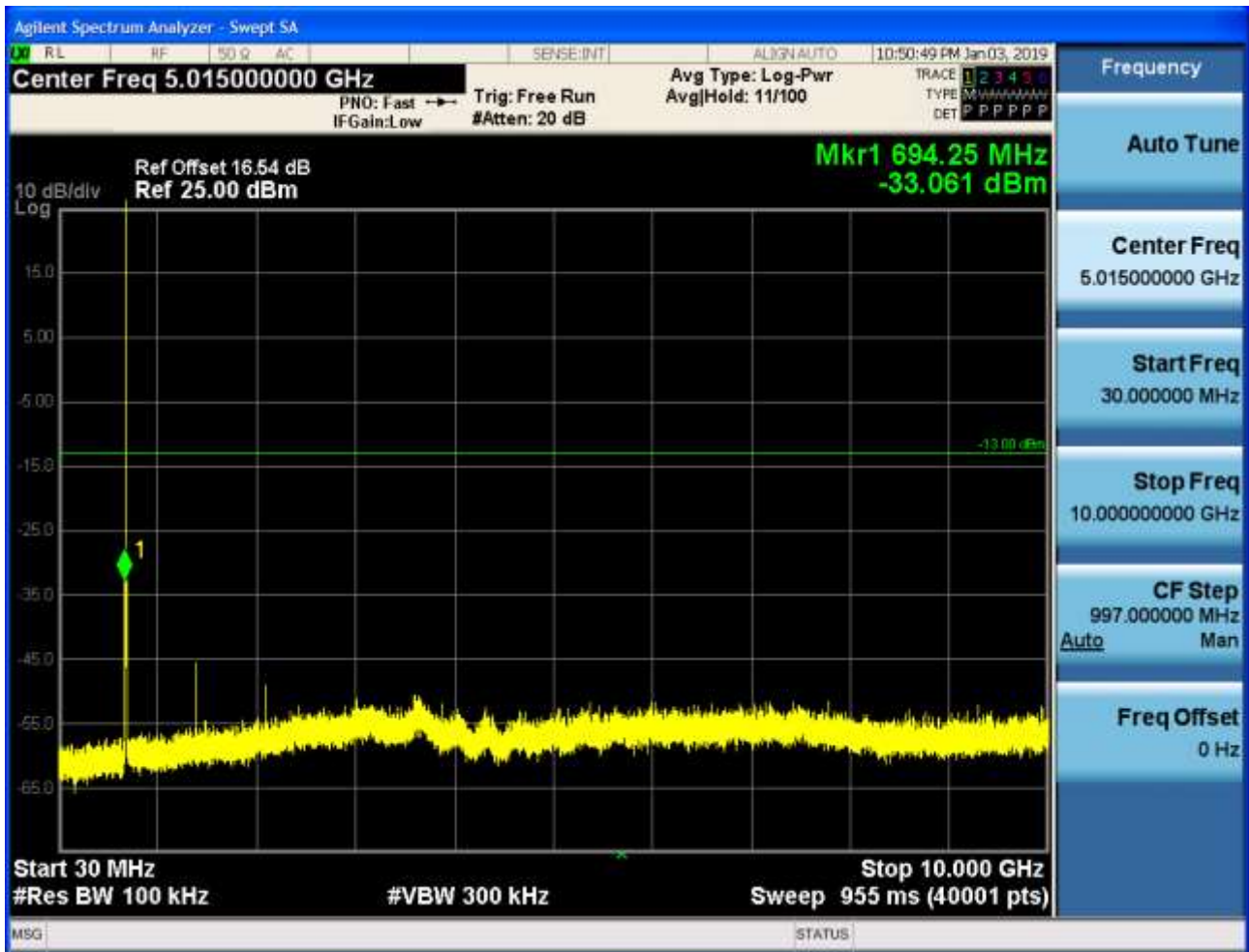
##### 6.2.1.1.1 Test Bandwidth = 5

##### 6.2.1.1.1.1 Test Channel = LCH

##### 6.2.1.1.1.1.1 Test RB = RB1#0





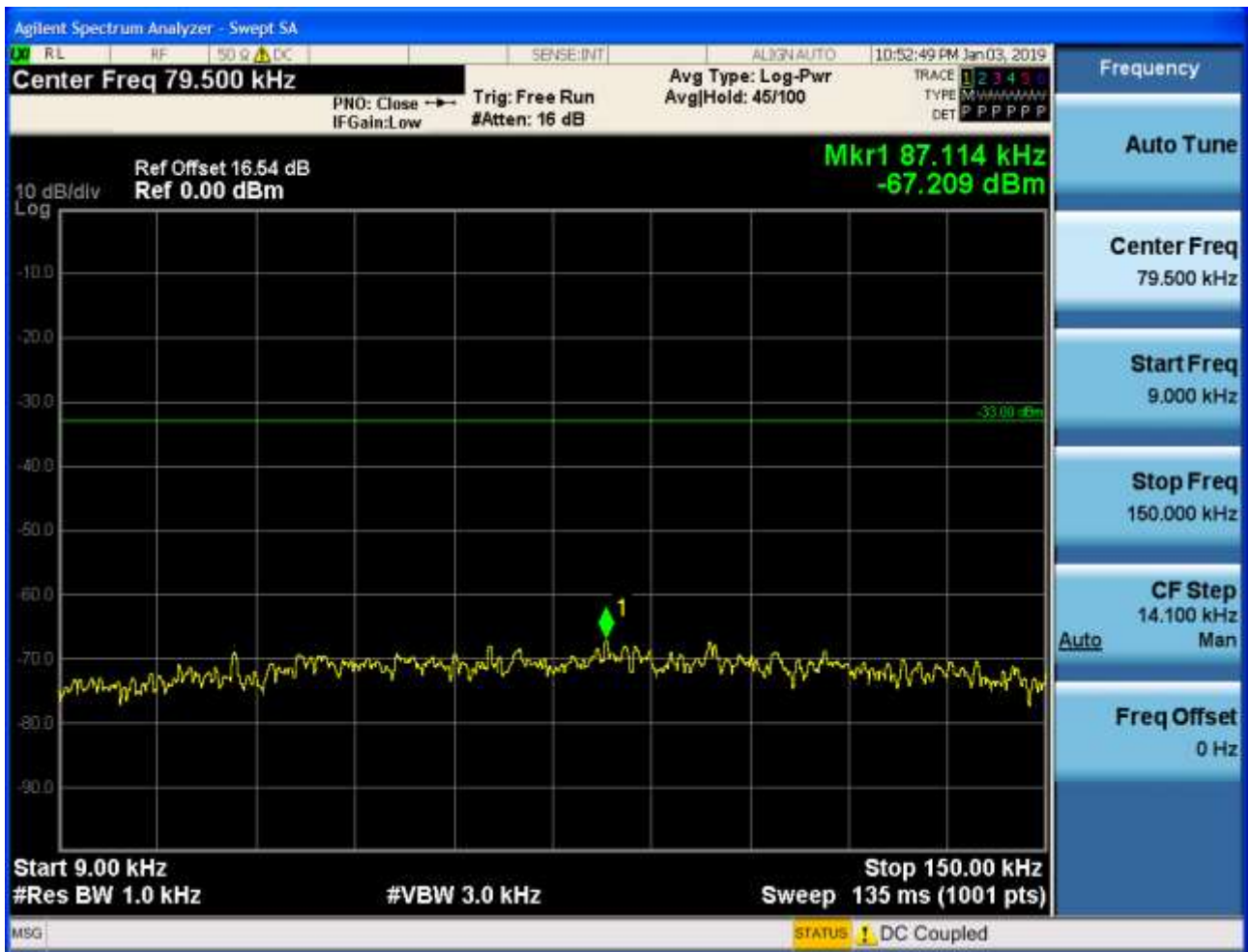


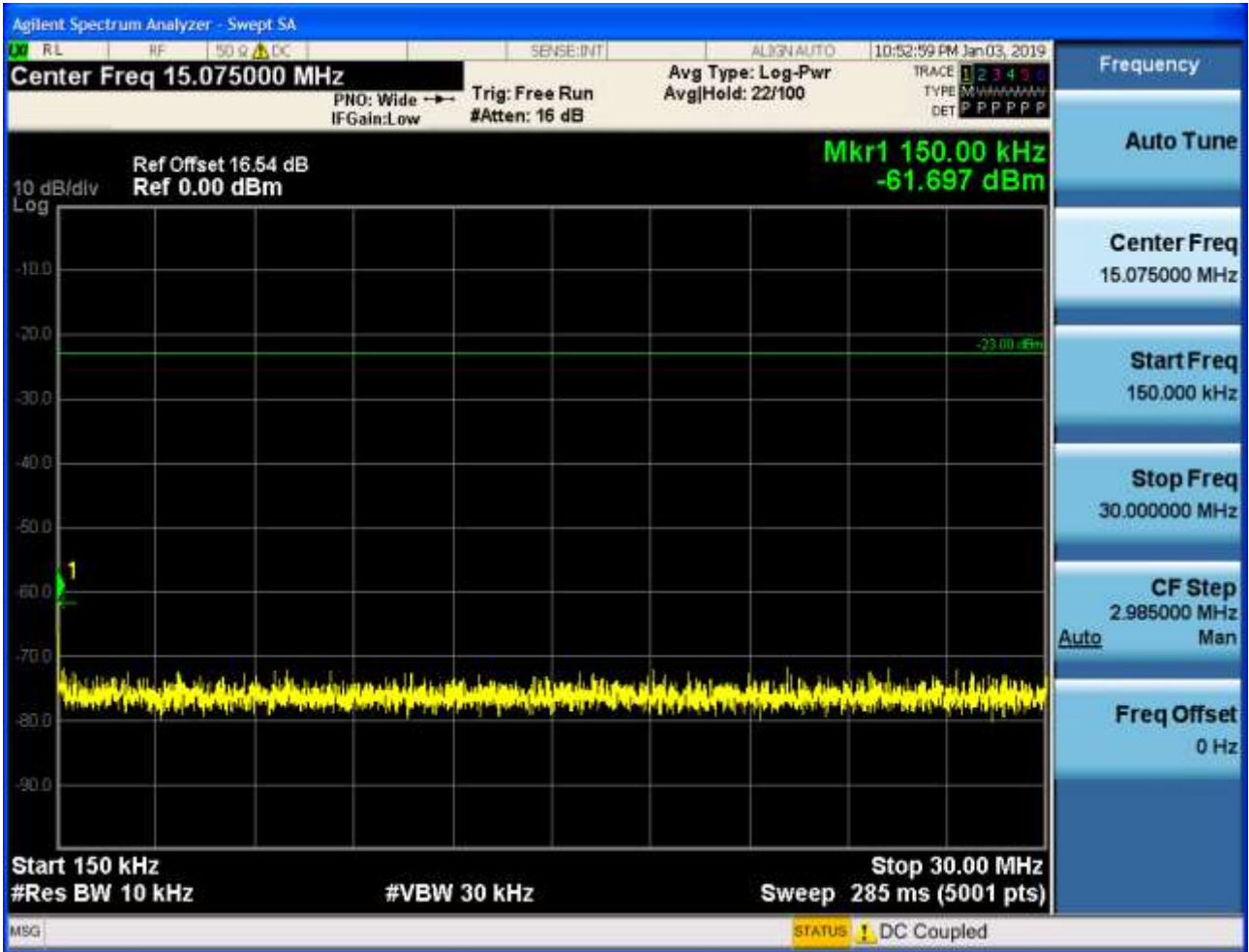


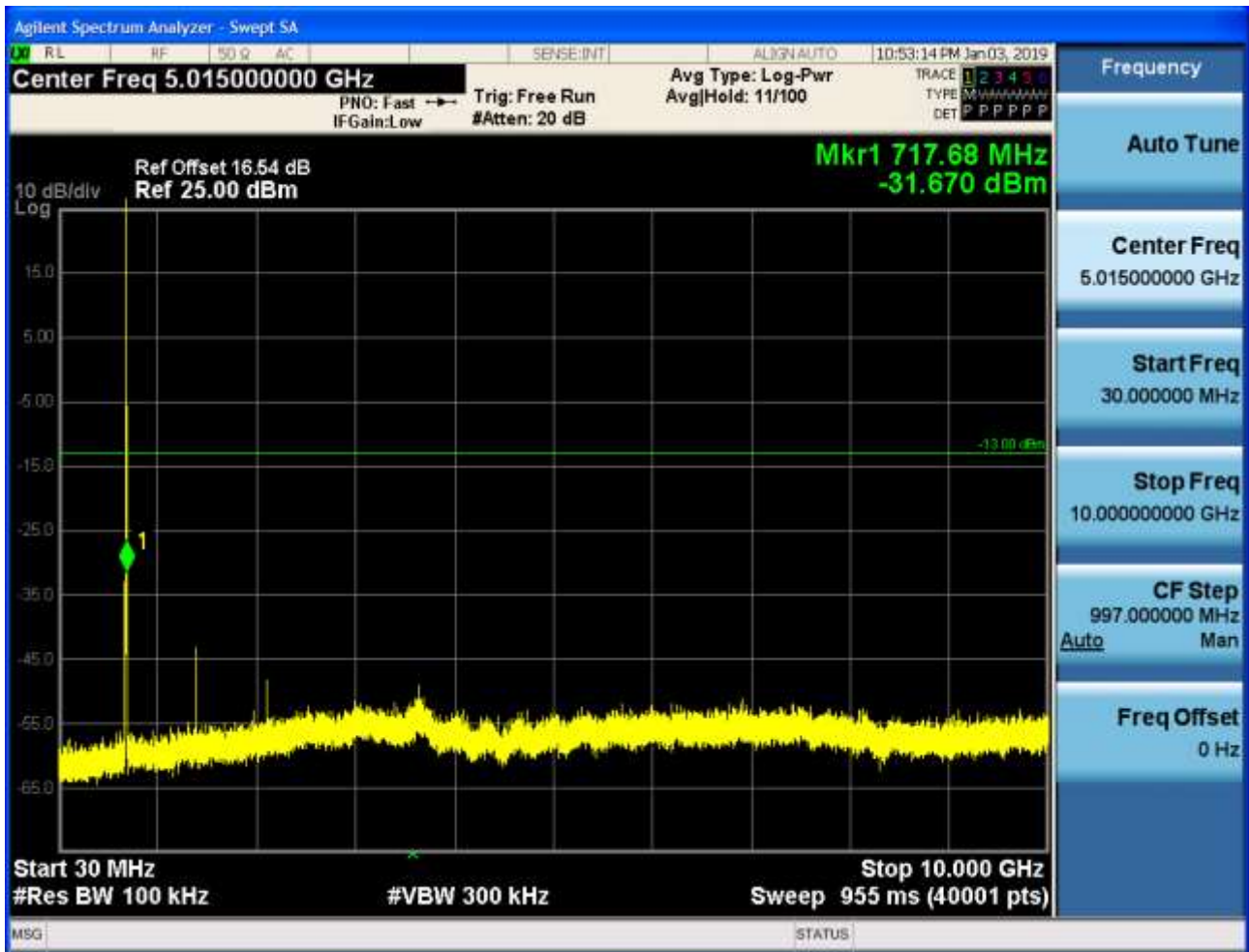


6.2.1.1.1.2 Test Channel = MCH

6.2.1.1.1.2.1 Test RB = RB1#0



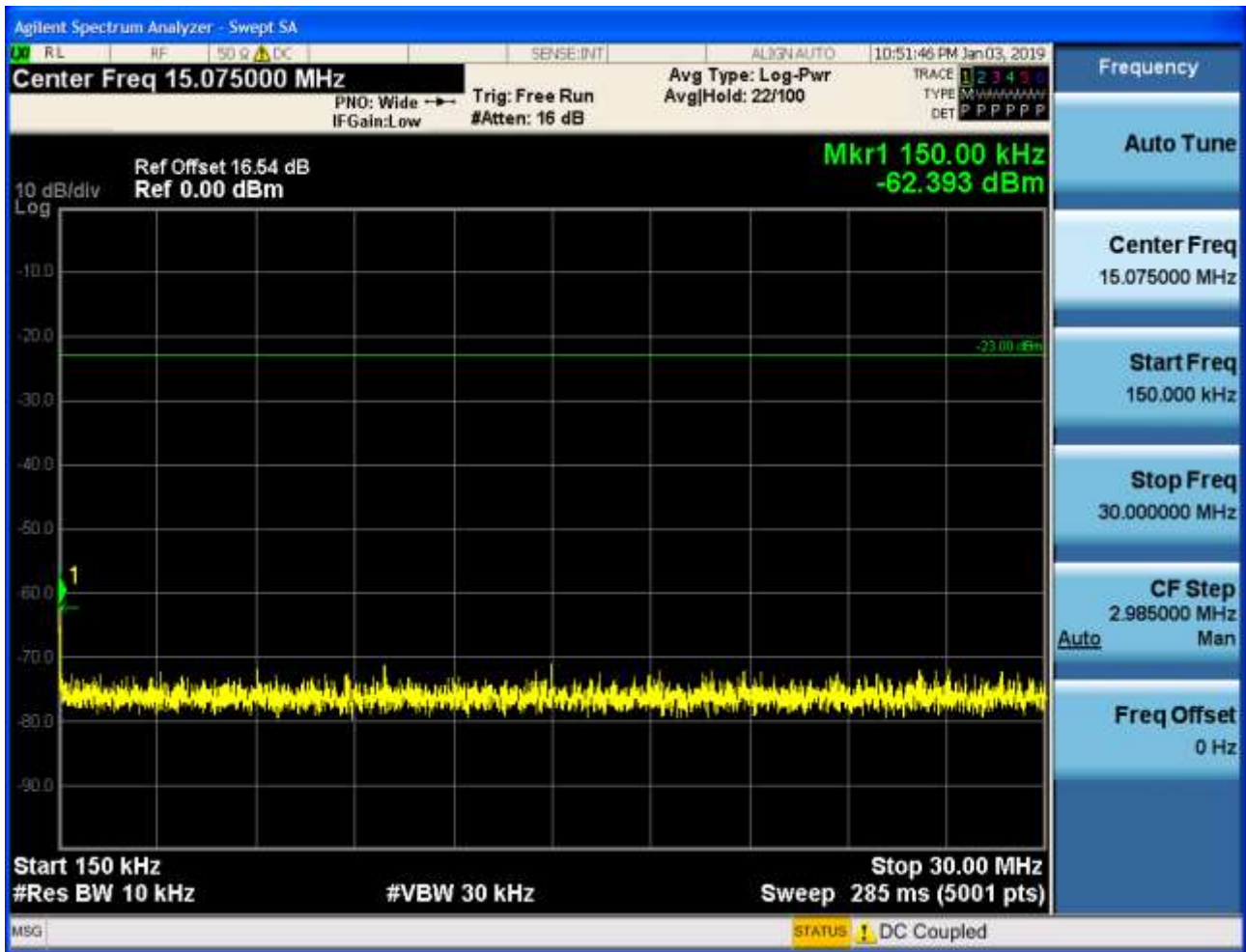


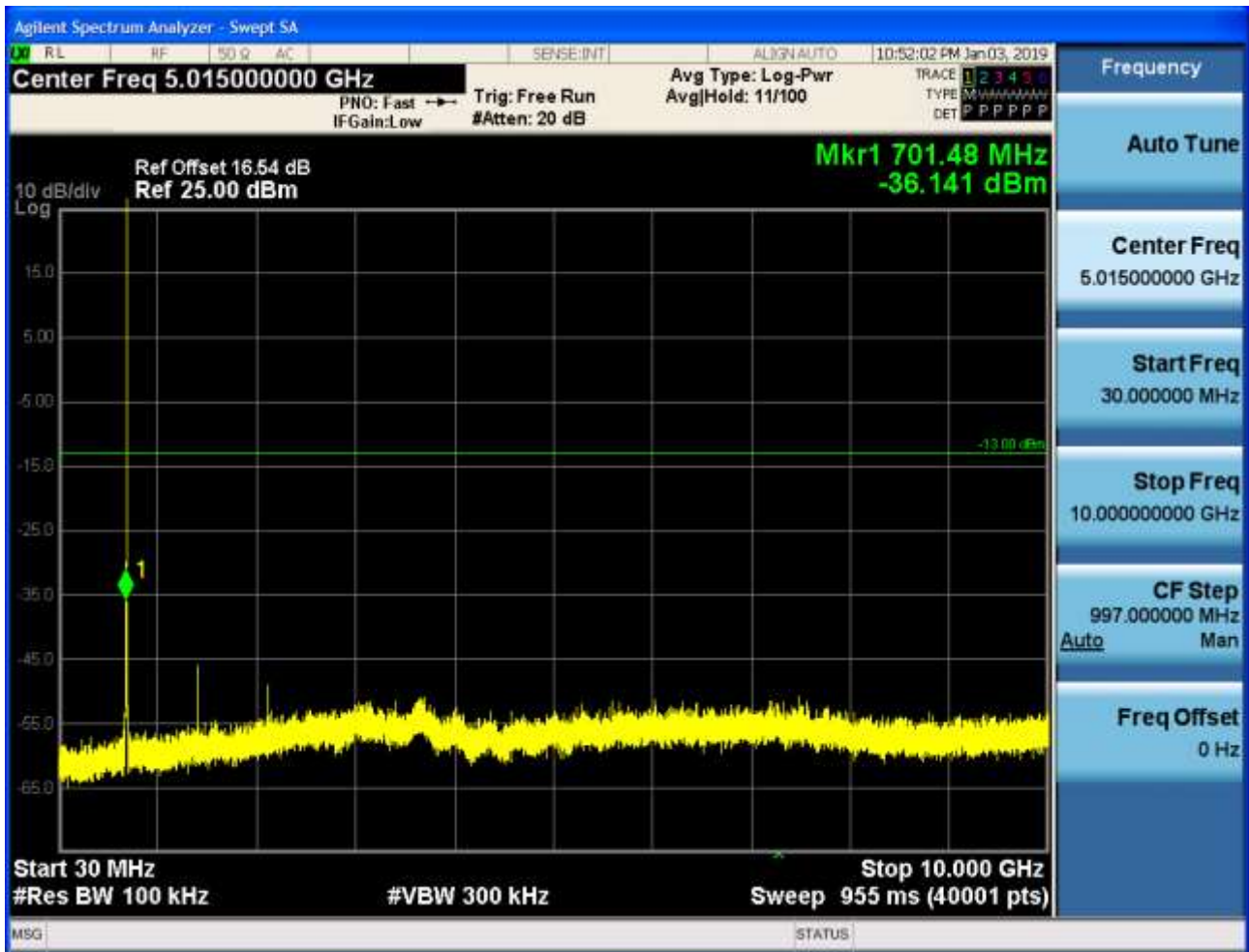


## 6.2.1.1.1.3 Test Channel = HCH

## 6.2.1.1.1.3.1 Test RB = RB1#0



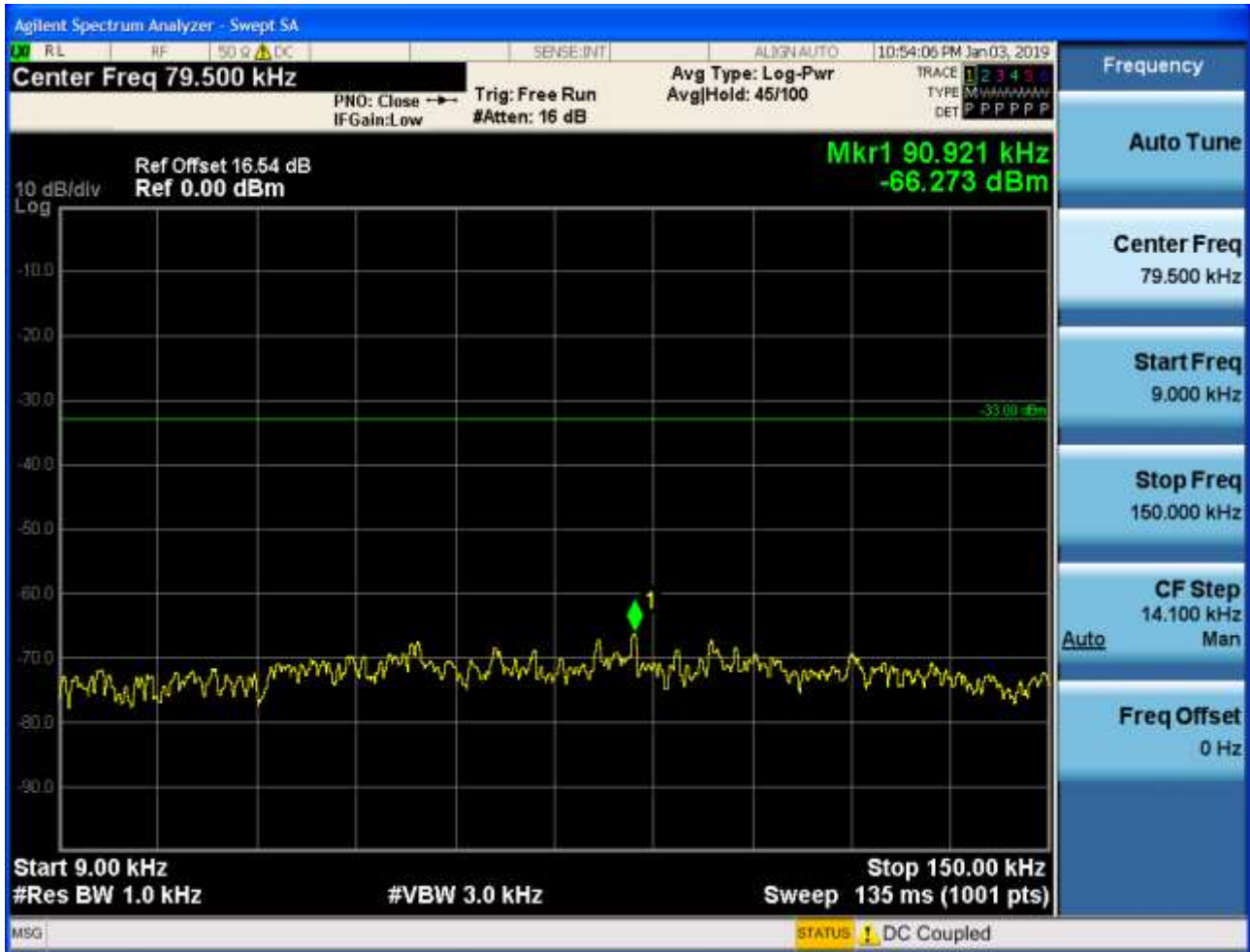


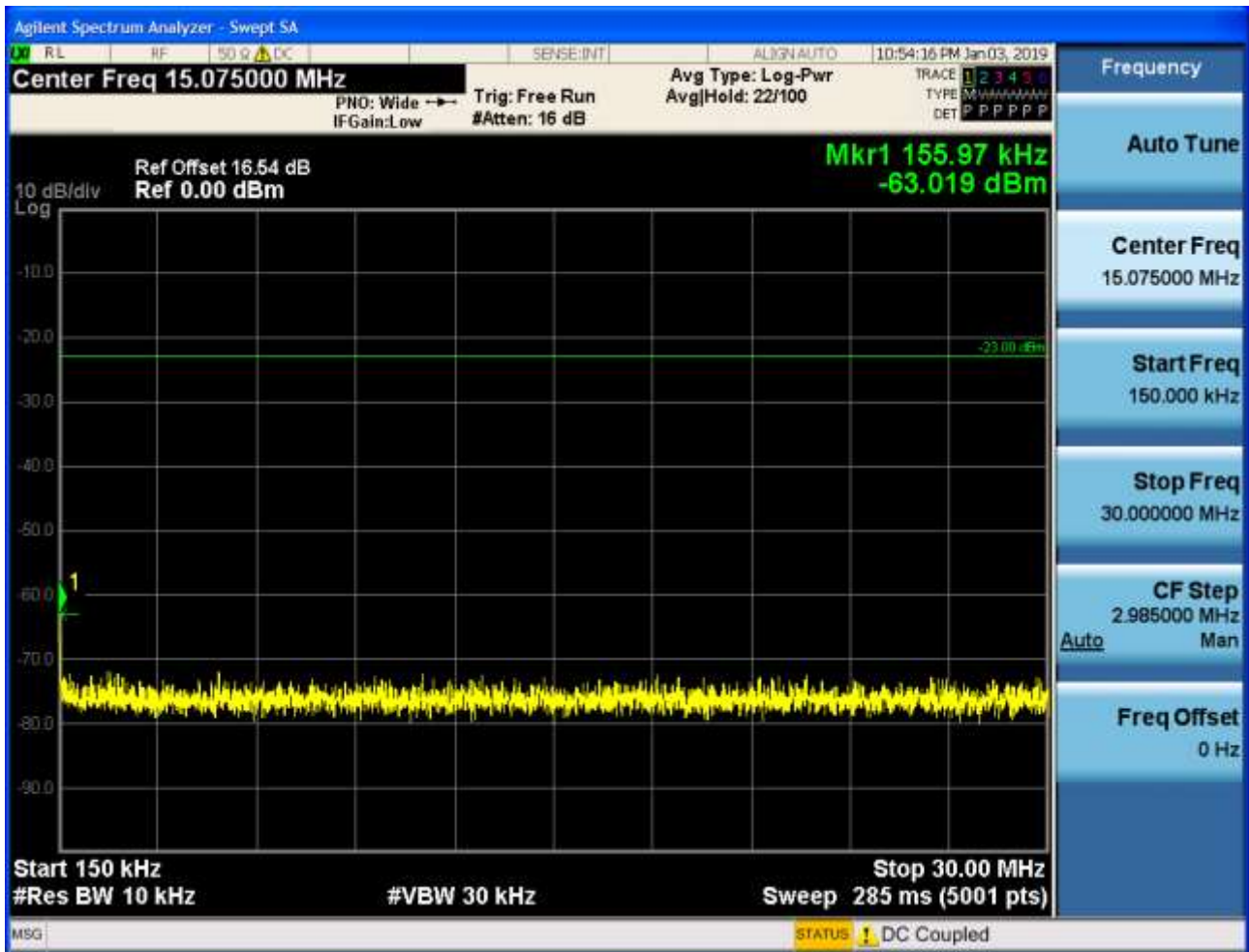


## 6.2.1.1.2 Test Bandwidth = 10

## 6.2.1.1.2.1 Test Channel = LCH

## 6.2.1.1.2.1.1 Test RB = RB1#0





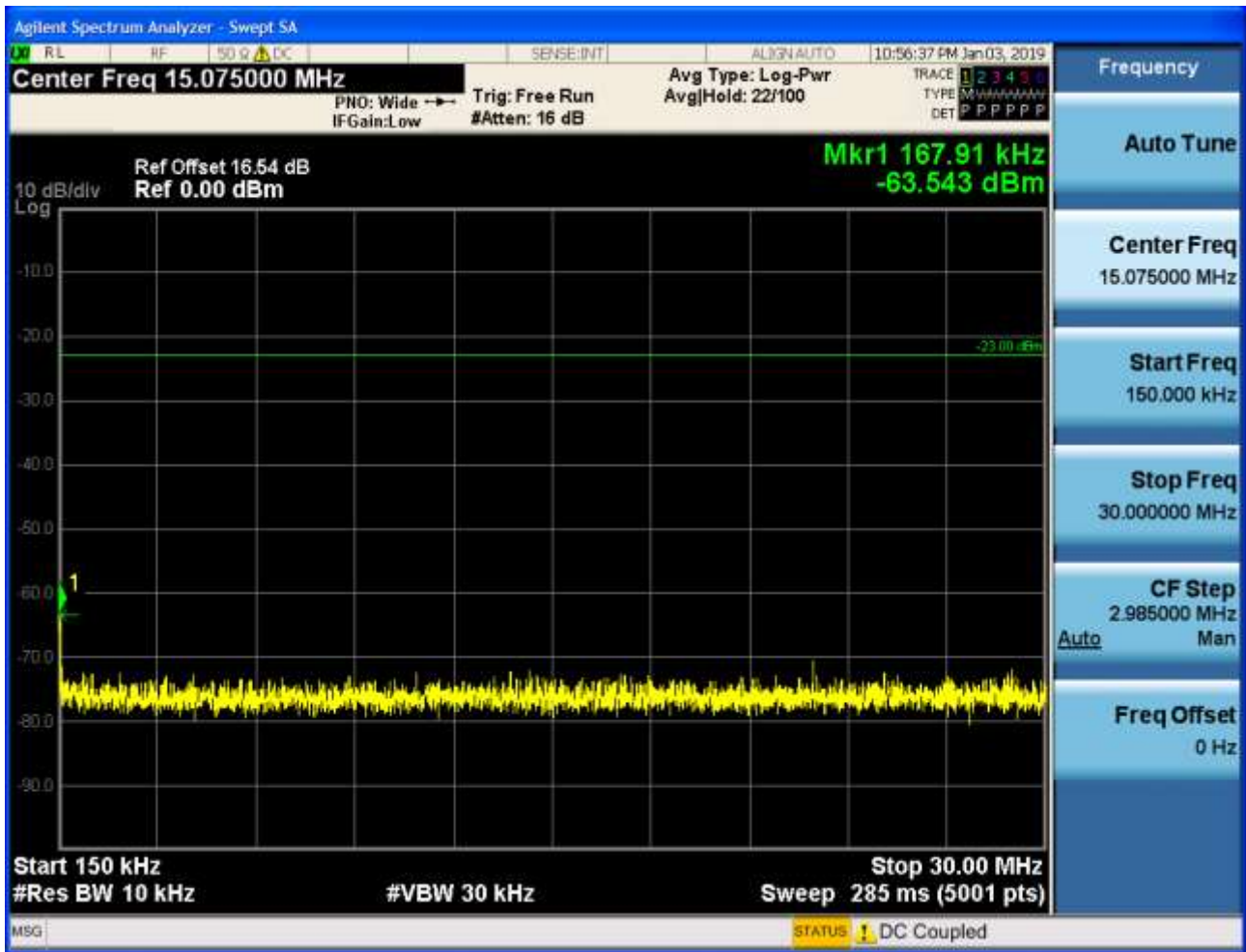


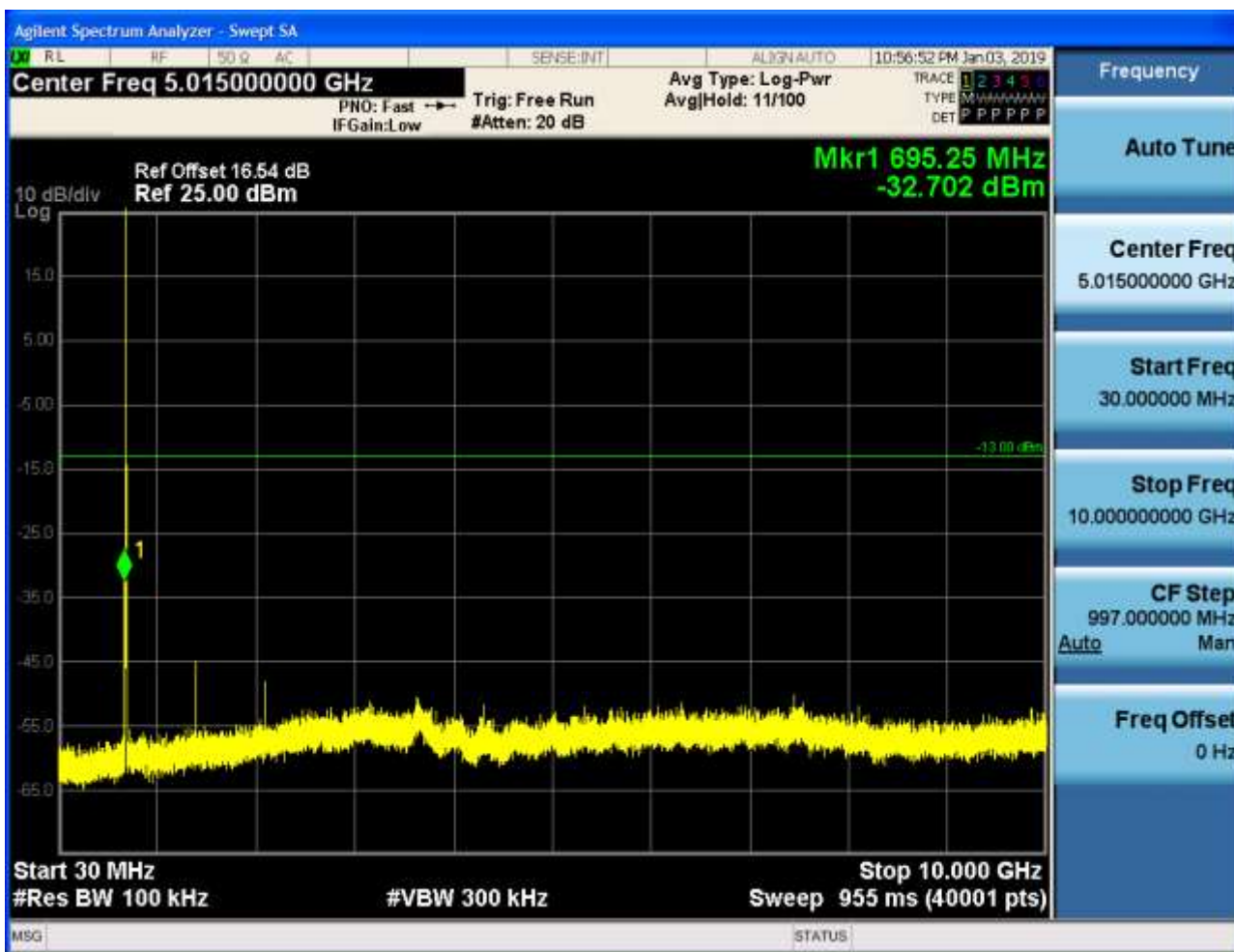


## 6.2.1.1.2.2 Test Channel = MCH

## 6.2.1.1.2.2.1 Test RB = RB1#0





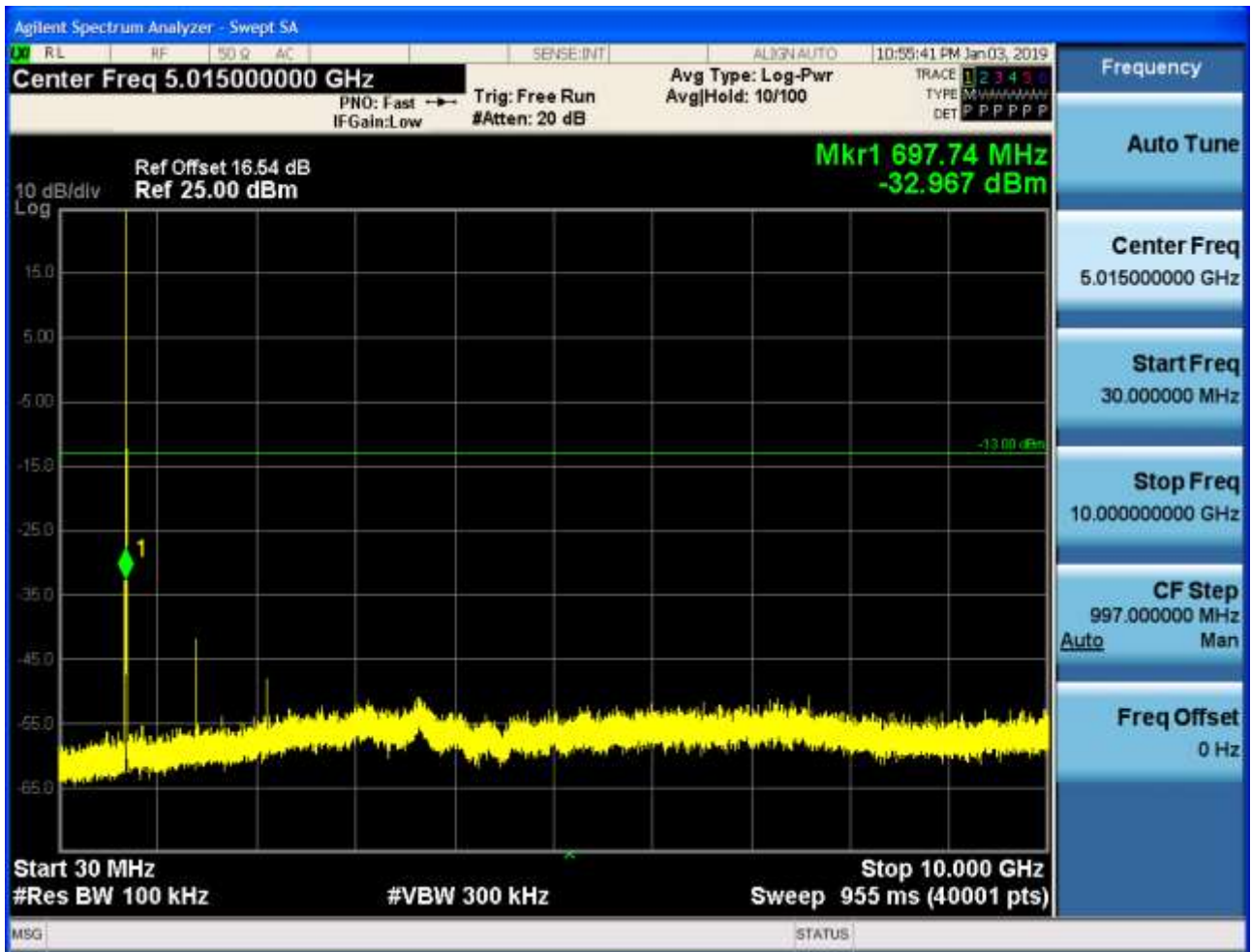


## 6.2.1.1.2.3 Test Channel = HCH

## 6.2.1.1.2.3.1 Test RB = RB1#0







### 6.2.1.2 Test Mode = LTE/TM2

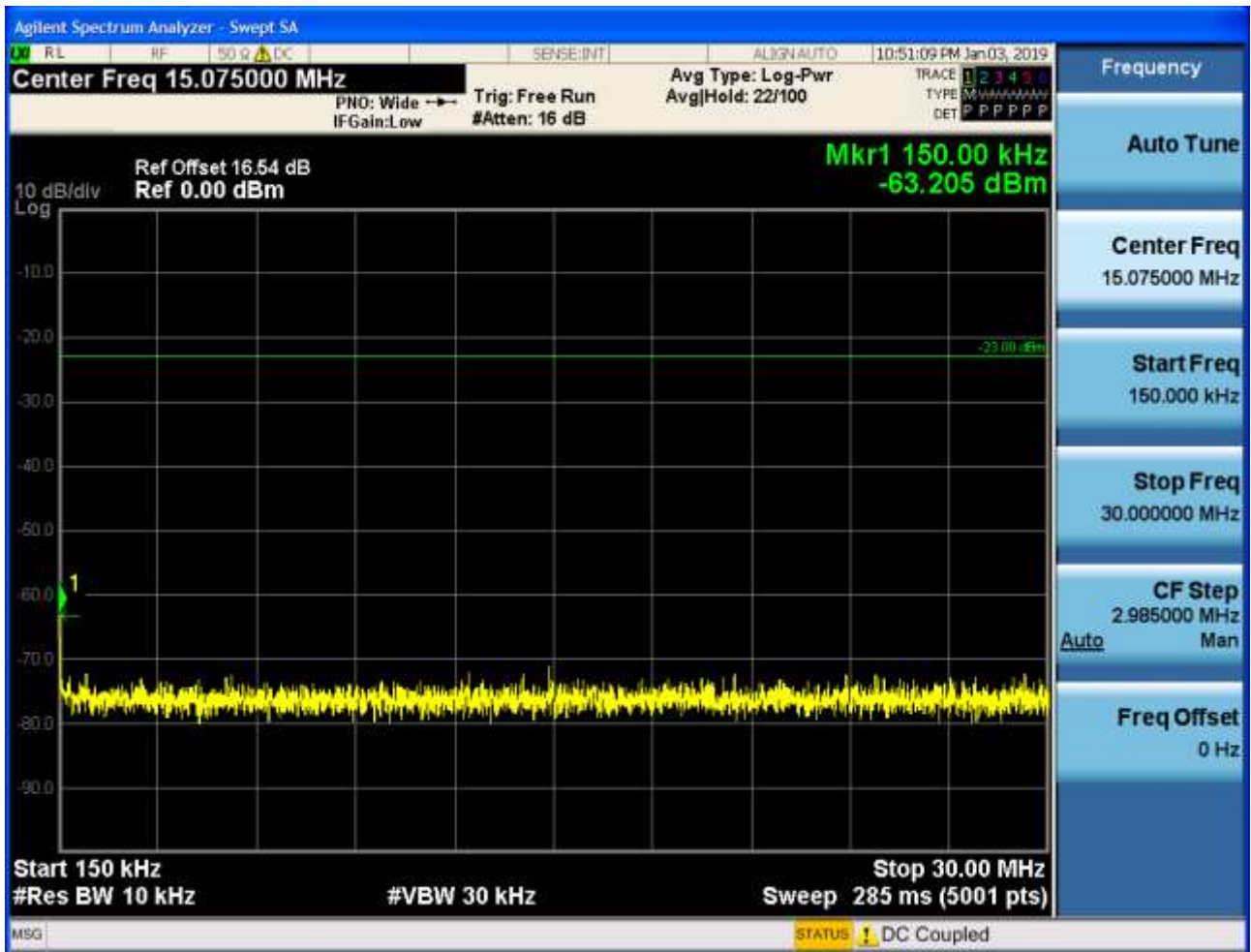
#### 6.2.1.2.1 Test Bandwidth = 5

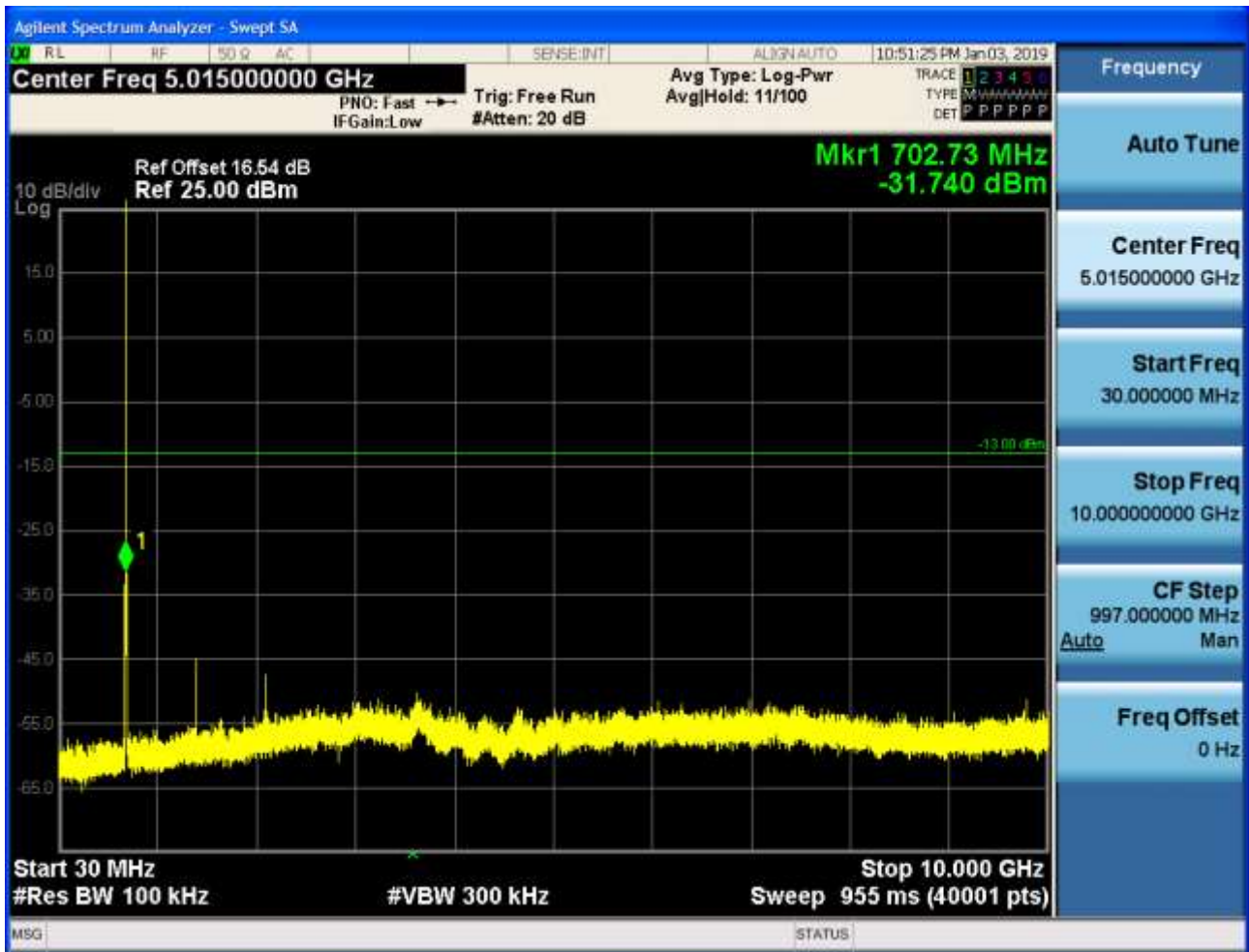
##### 6.2.1.2.1.1 Test Channel = LCH

##### 6.2.1.2.1.1.1 Test RB = RB1#0



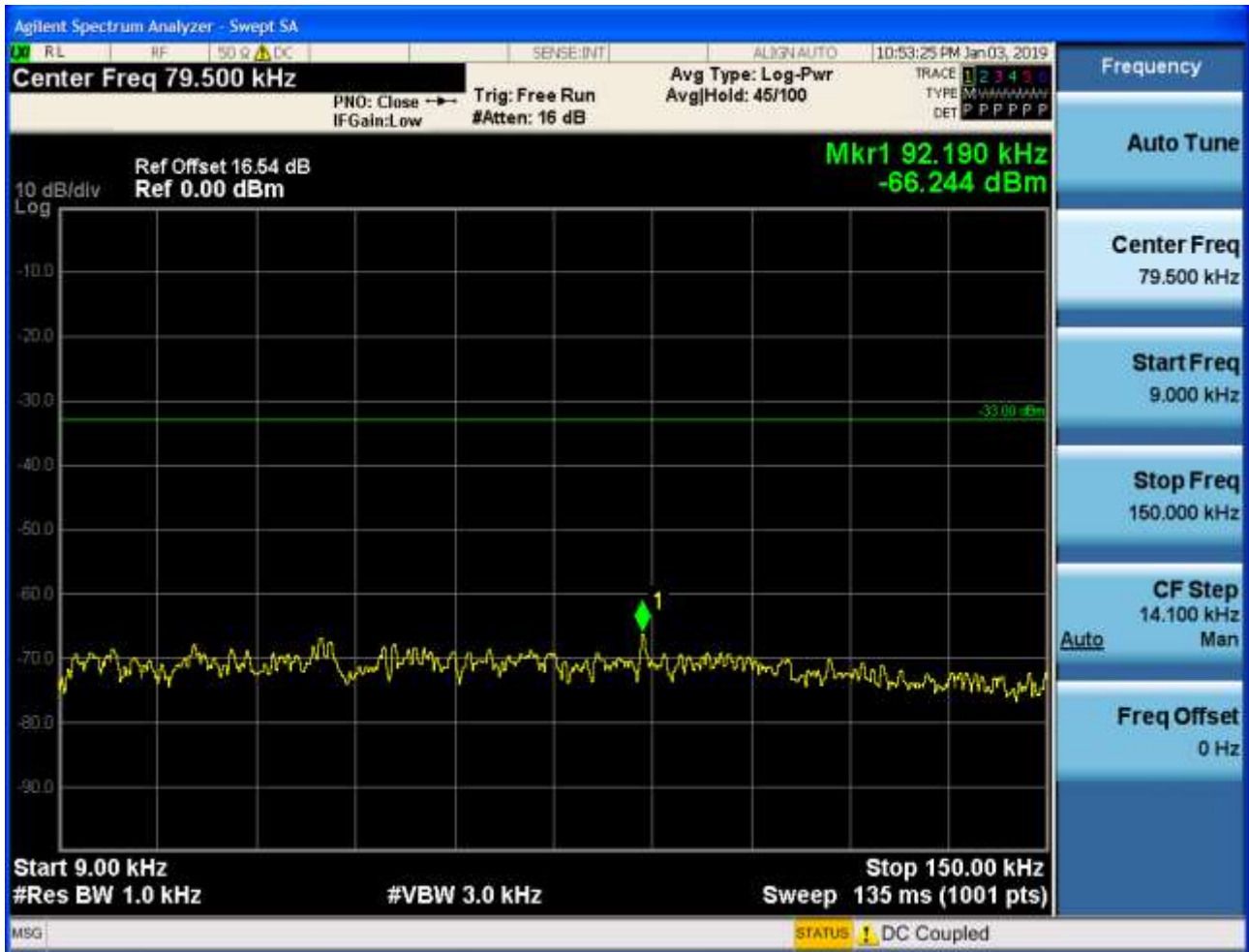


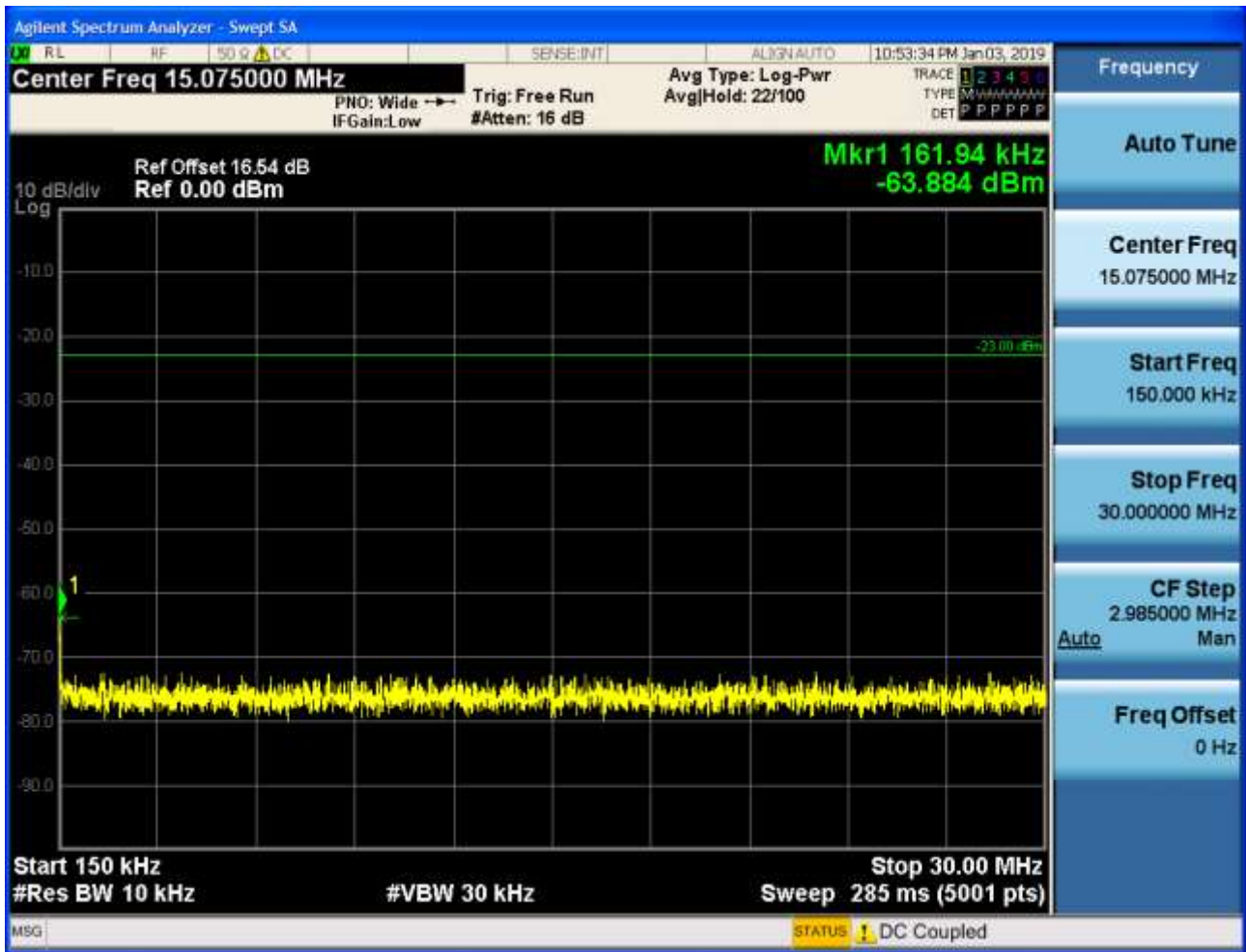


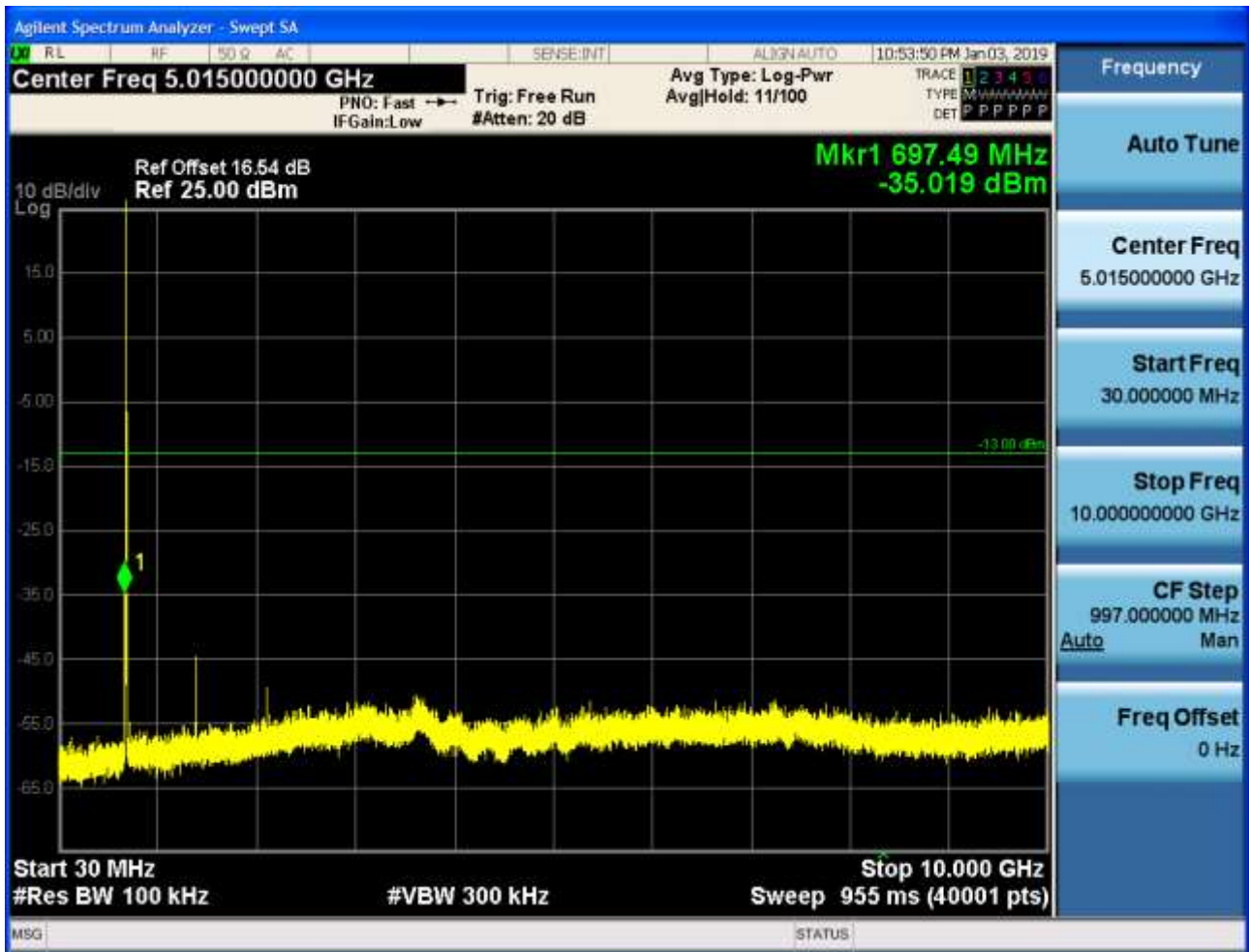


## 6.2.1.2.1.2 Test Channel = MCH

## 6.2.1.2.1.2.1 Test RB = RB1#0

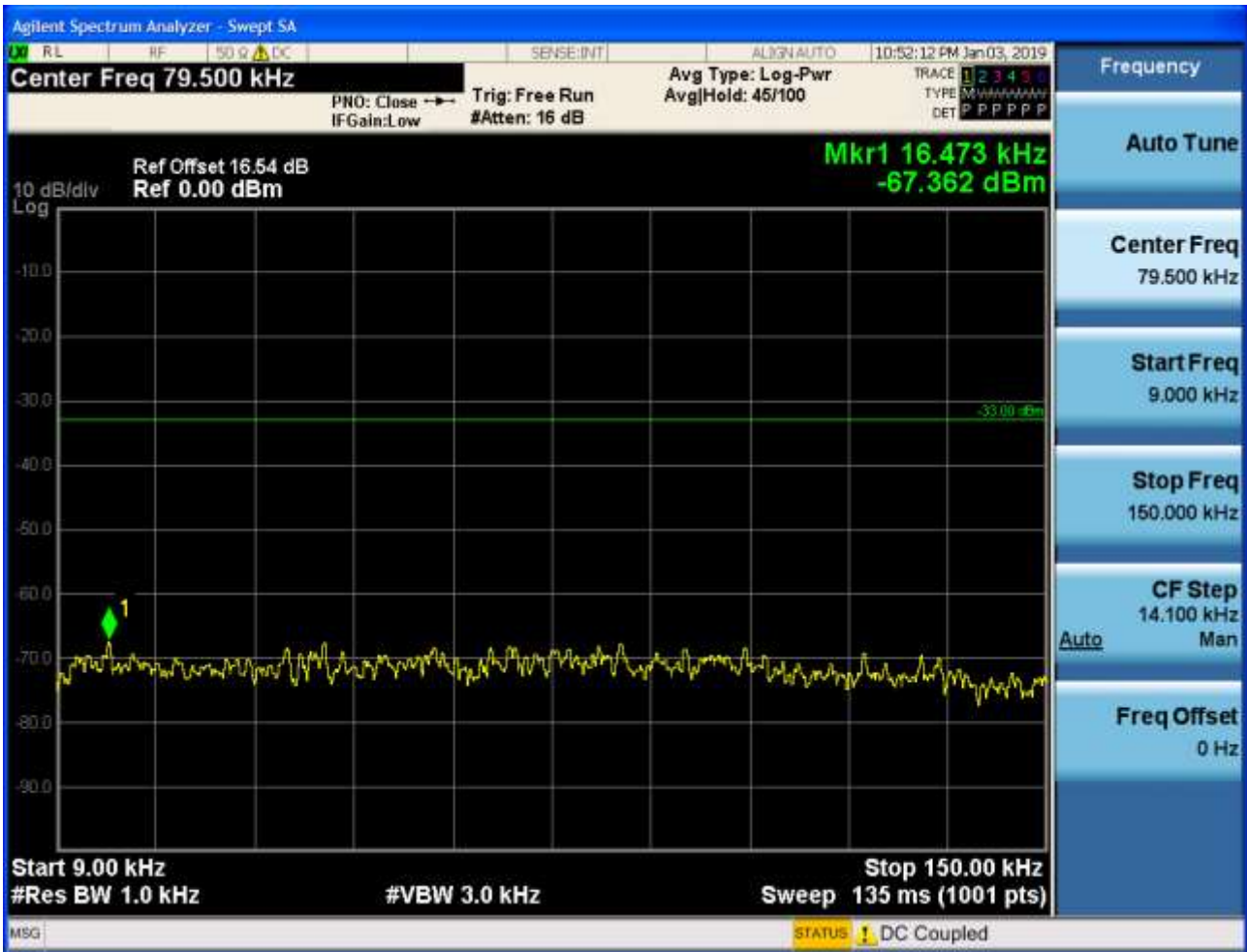


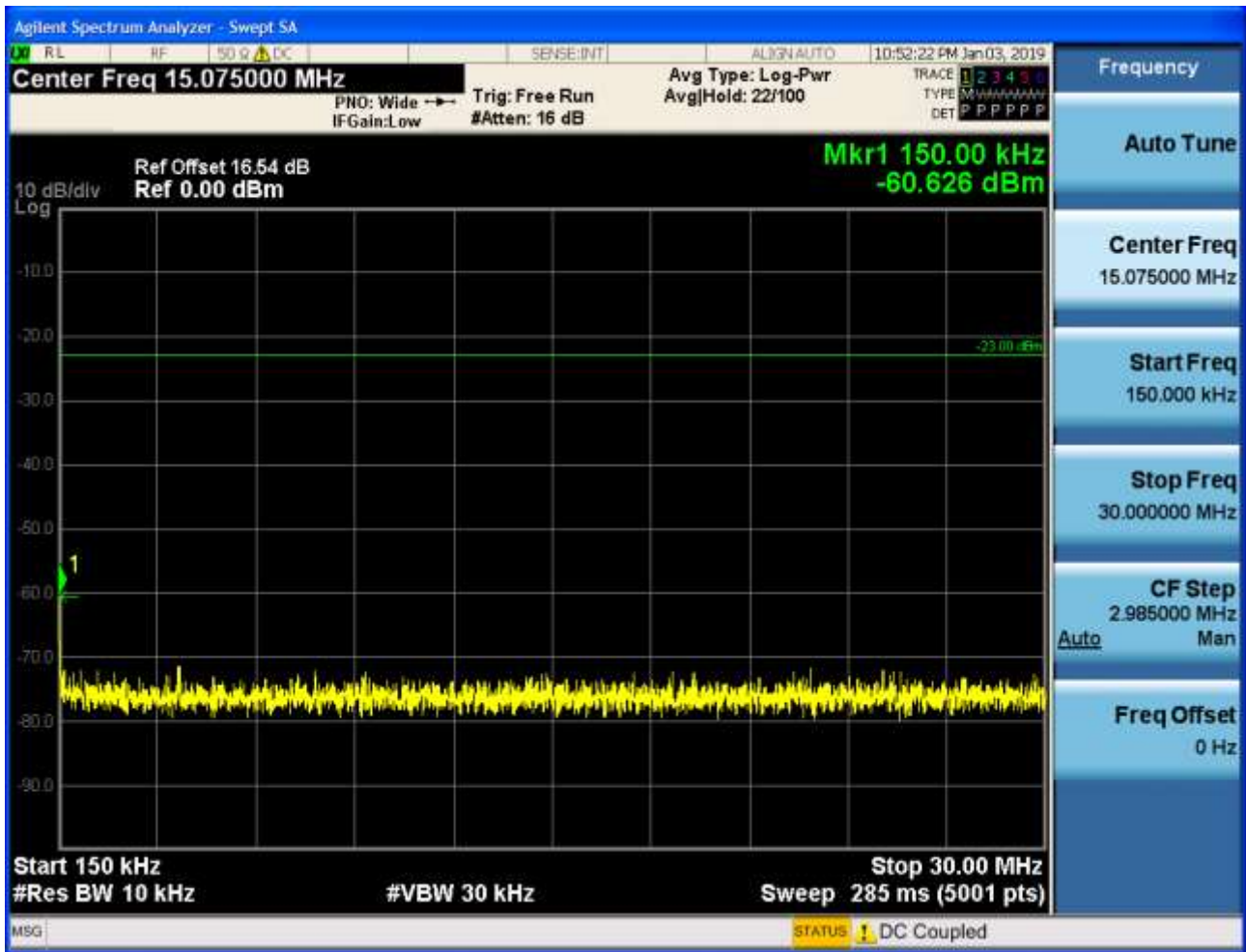


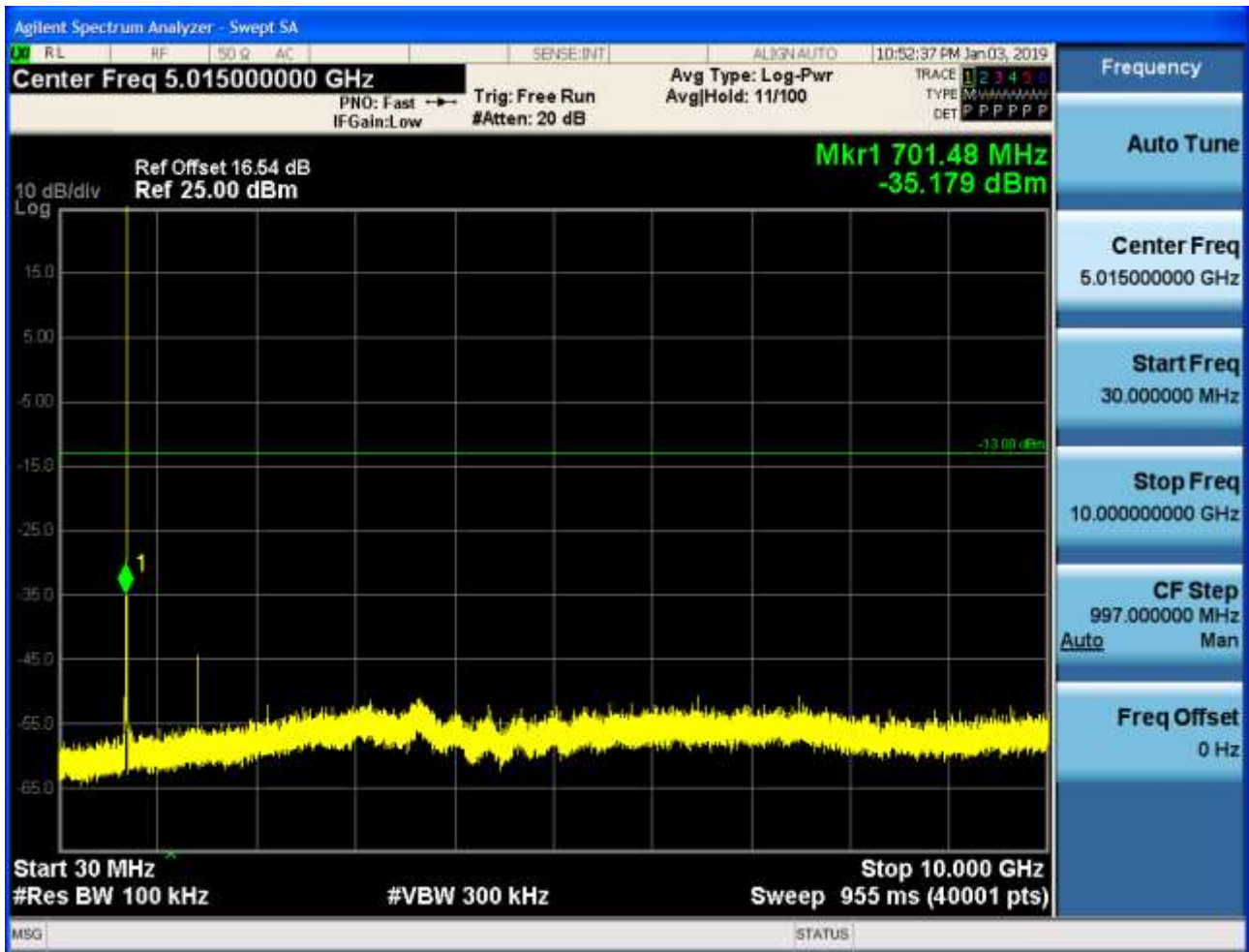


## 6.2.1.2.1.3 Test Channel = HCH

## 6.2.1.2.1.3.1 Test RB = RB1#0





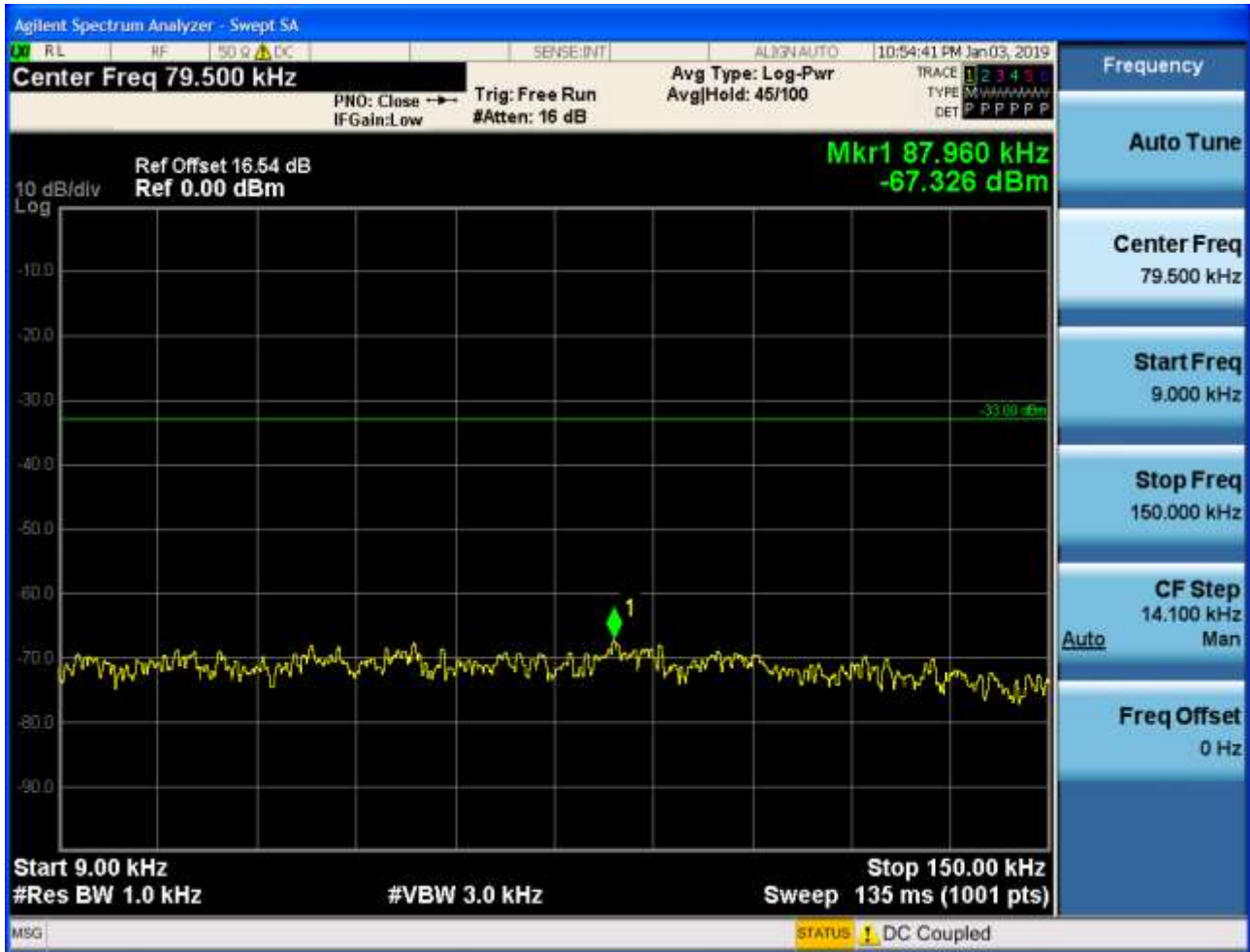


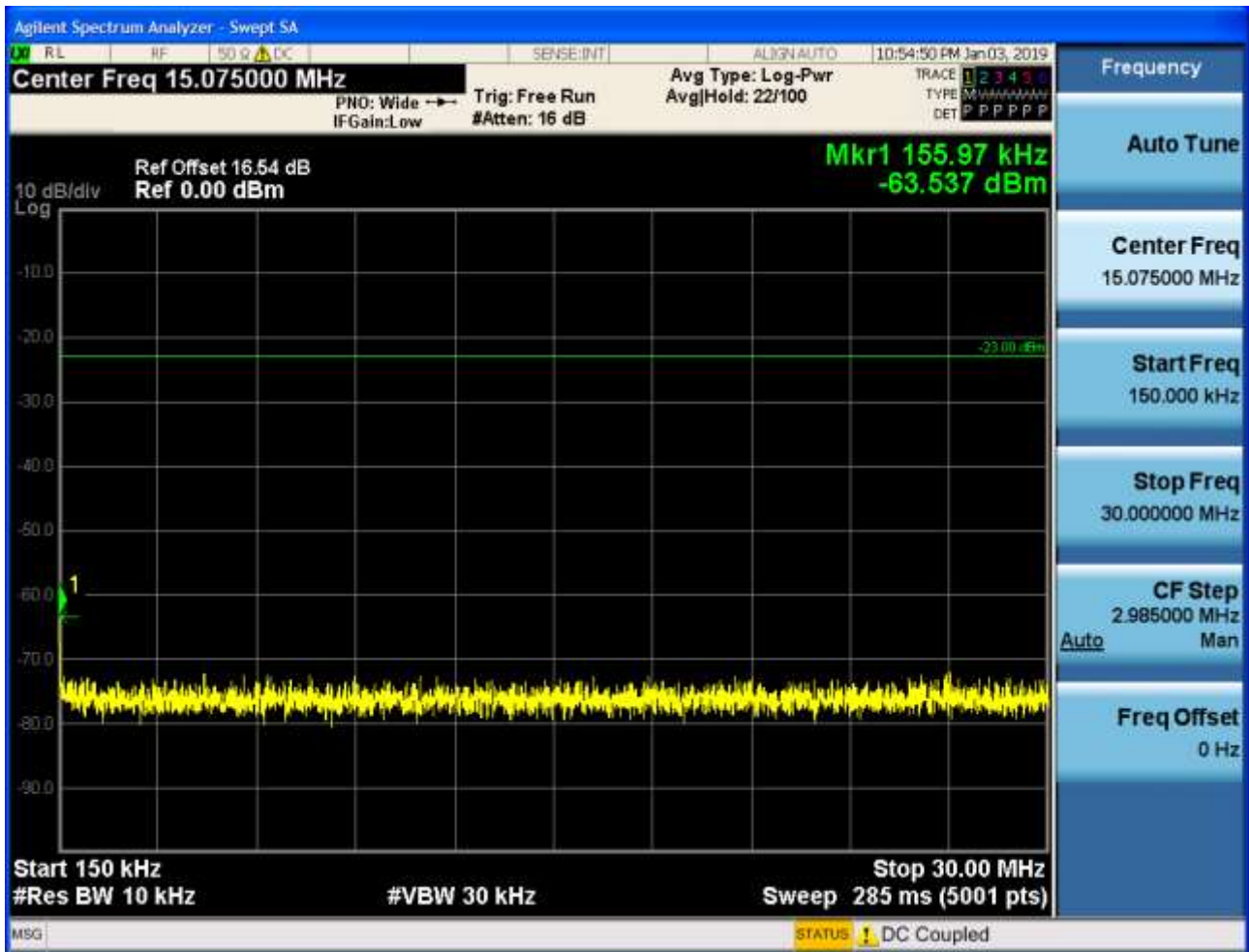


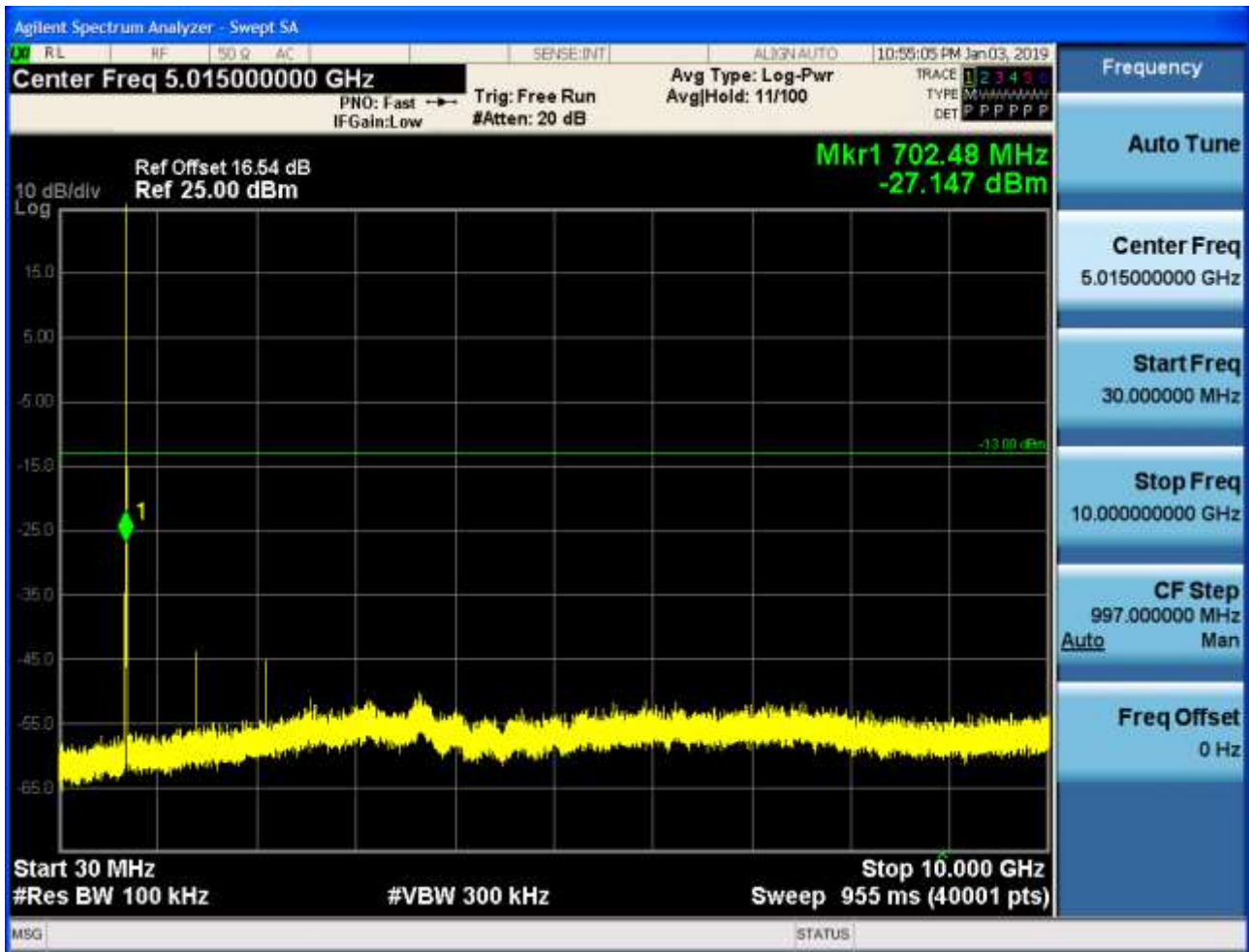
## 6.2.1.2.2 Test Bandwidth = 10

## 6.2.1.2.2.1 Test Channel = LCH

## 6.2.1.2.2.1.1 Test RB = RB1#0

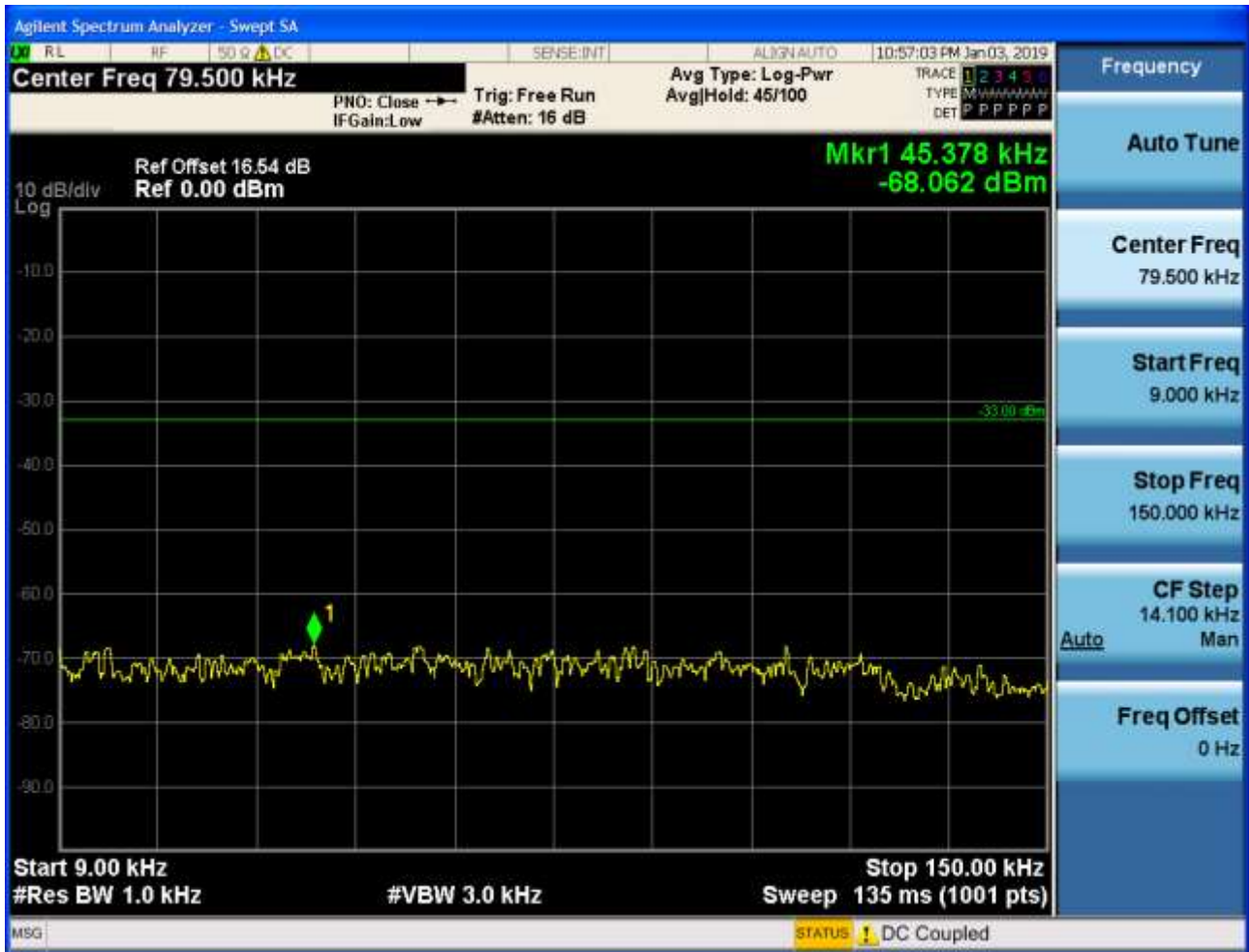


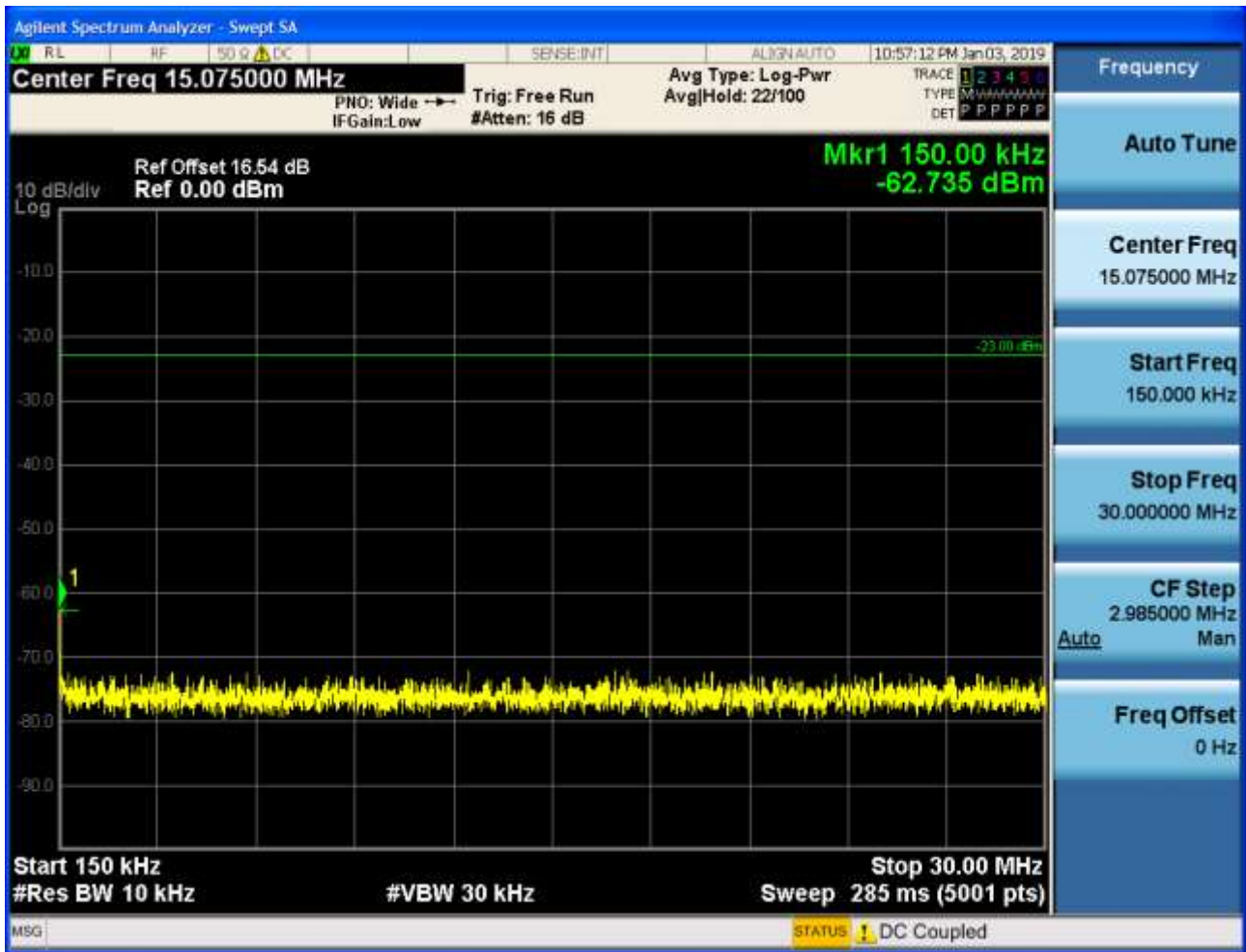


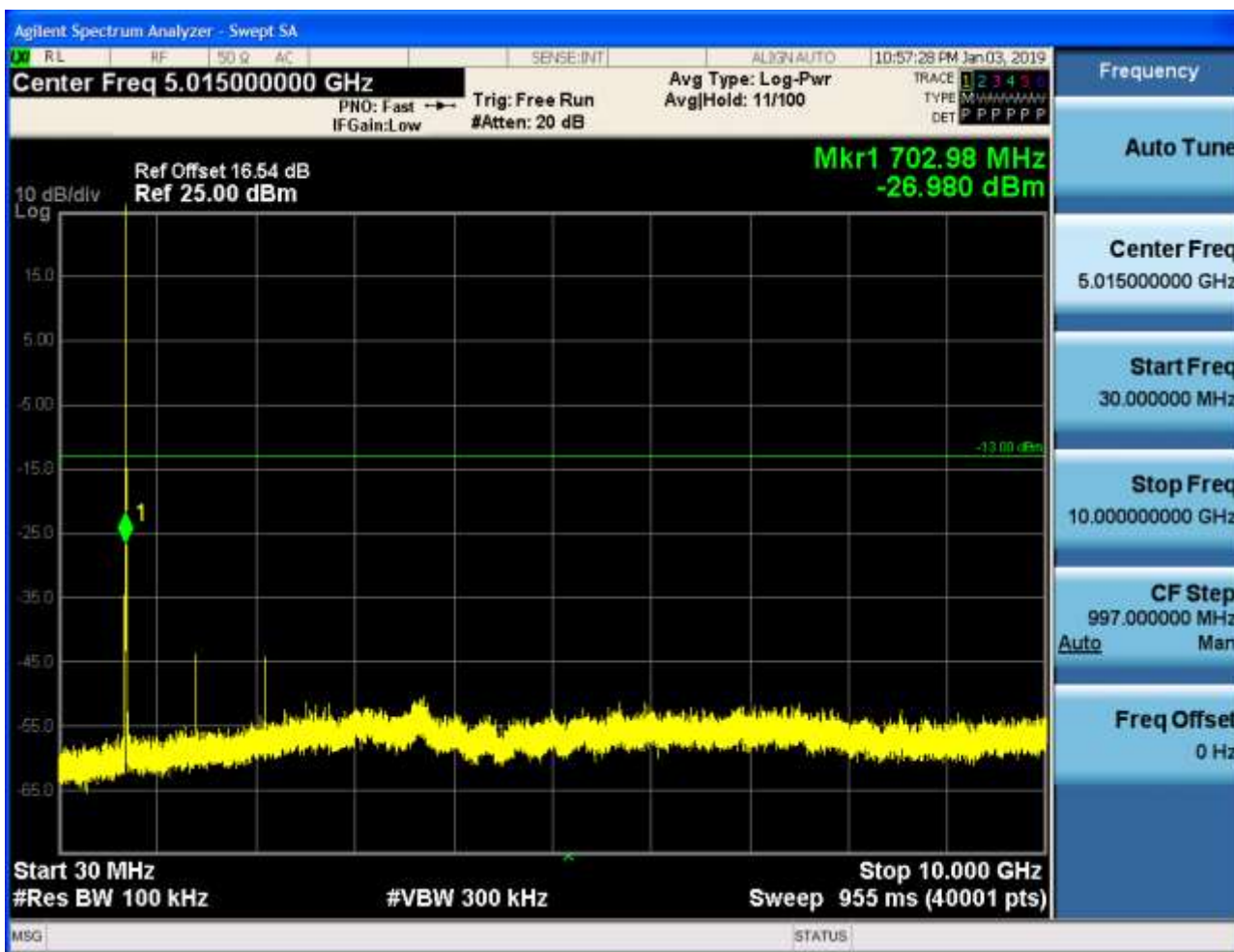


## 6.2.1.2.2.2 Test Channel = MCH

## 6.2.1.2.2.2.1 Test RB = RB1#0

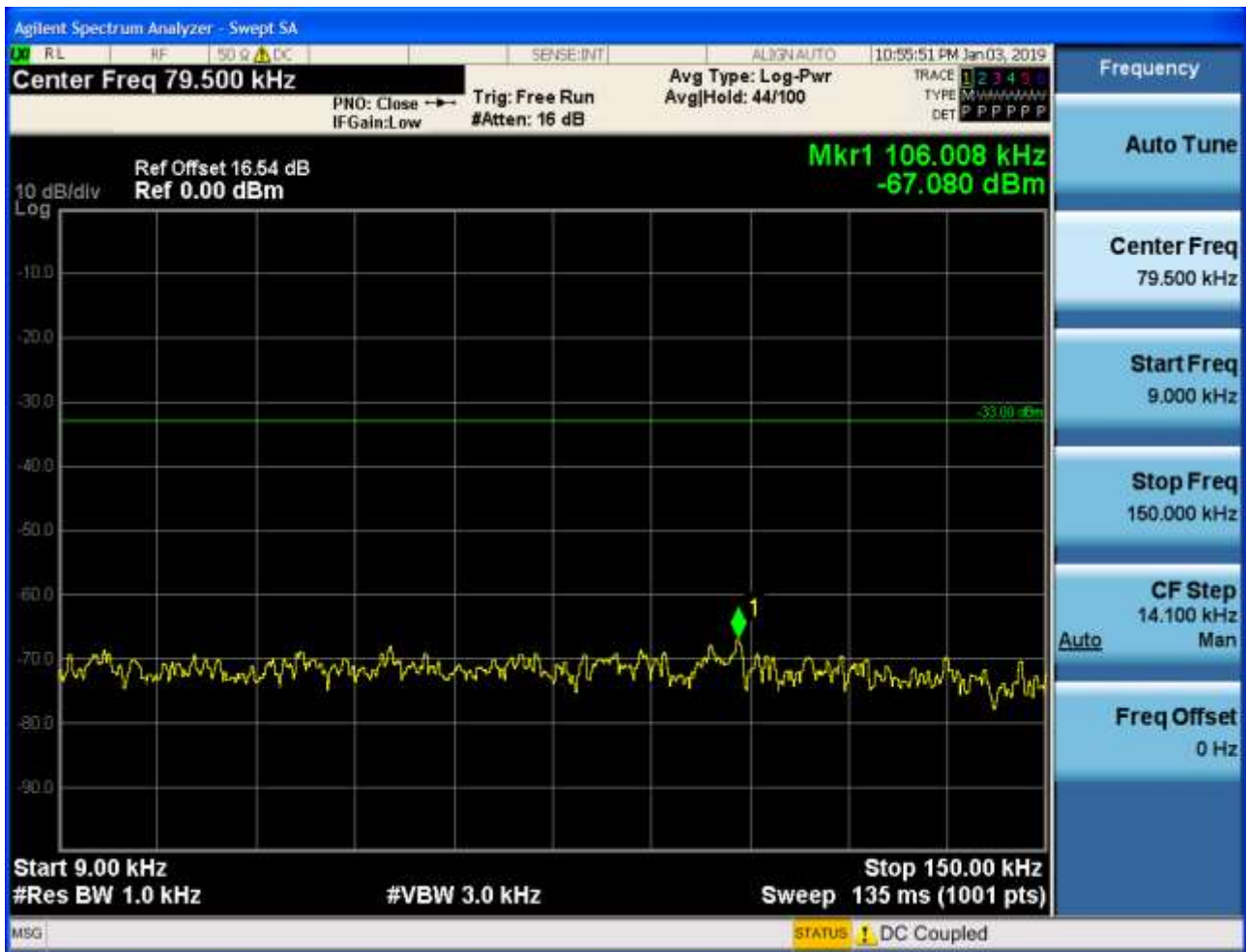






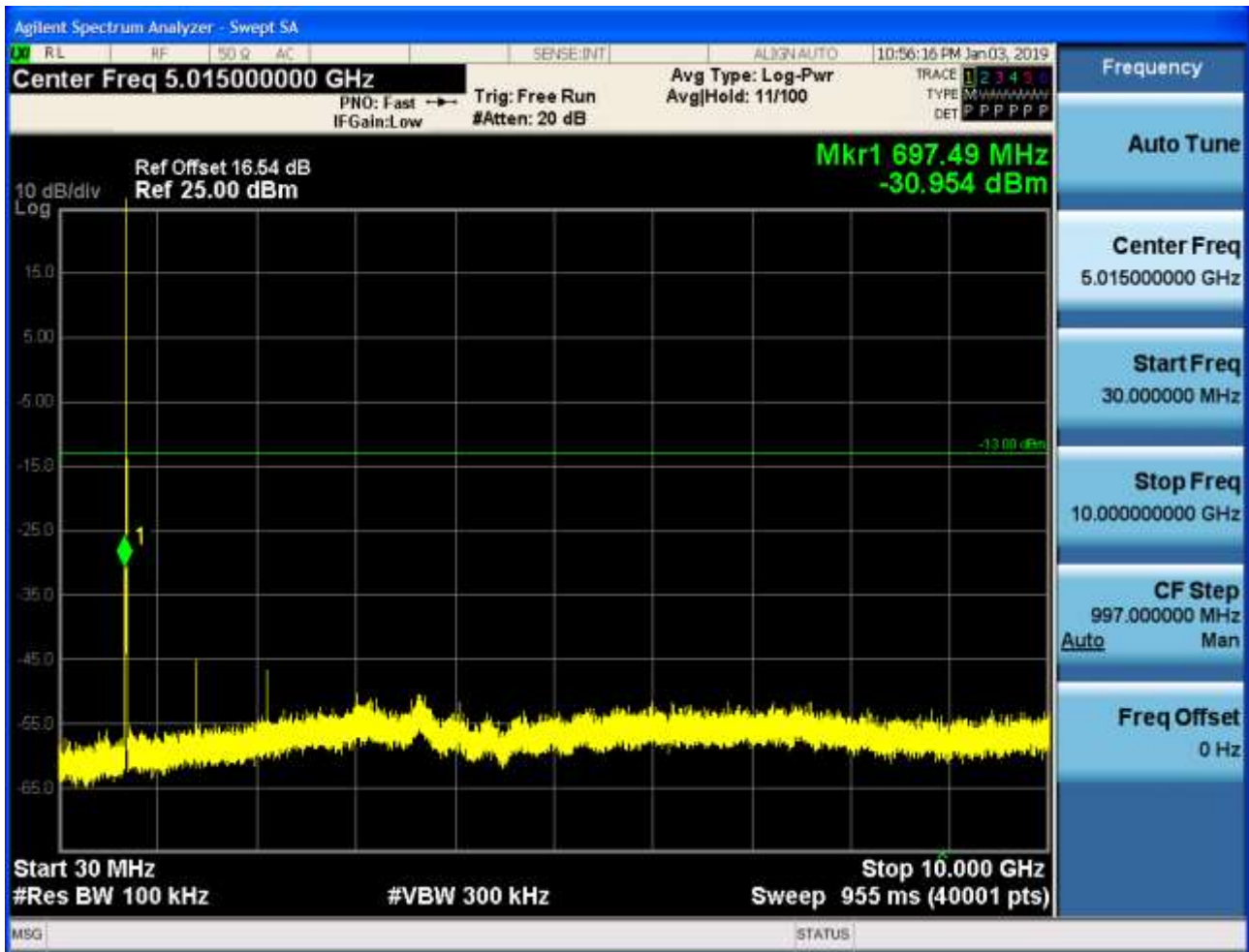
## 6.2.1.2.2.3 Test Channel = HCH

## 6.2.1.2.2.3.1 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

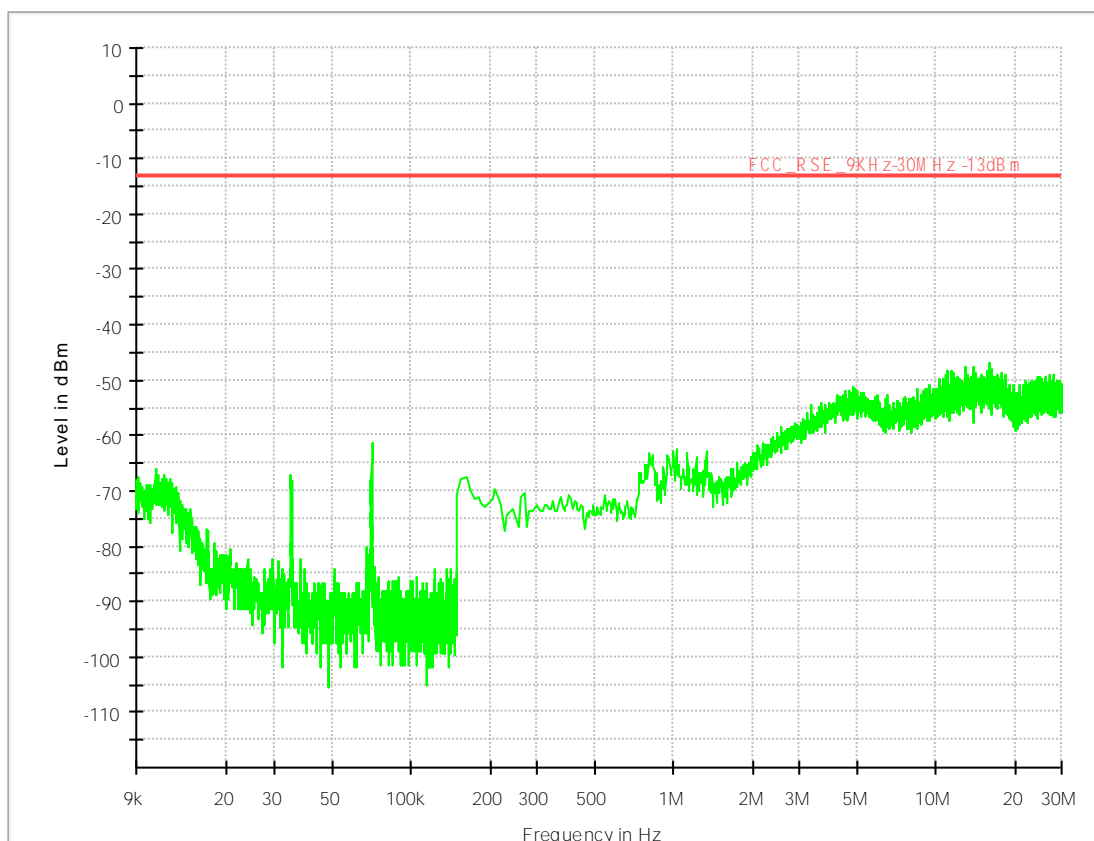
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz Detector: PK

### Part I - Test Plots

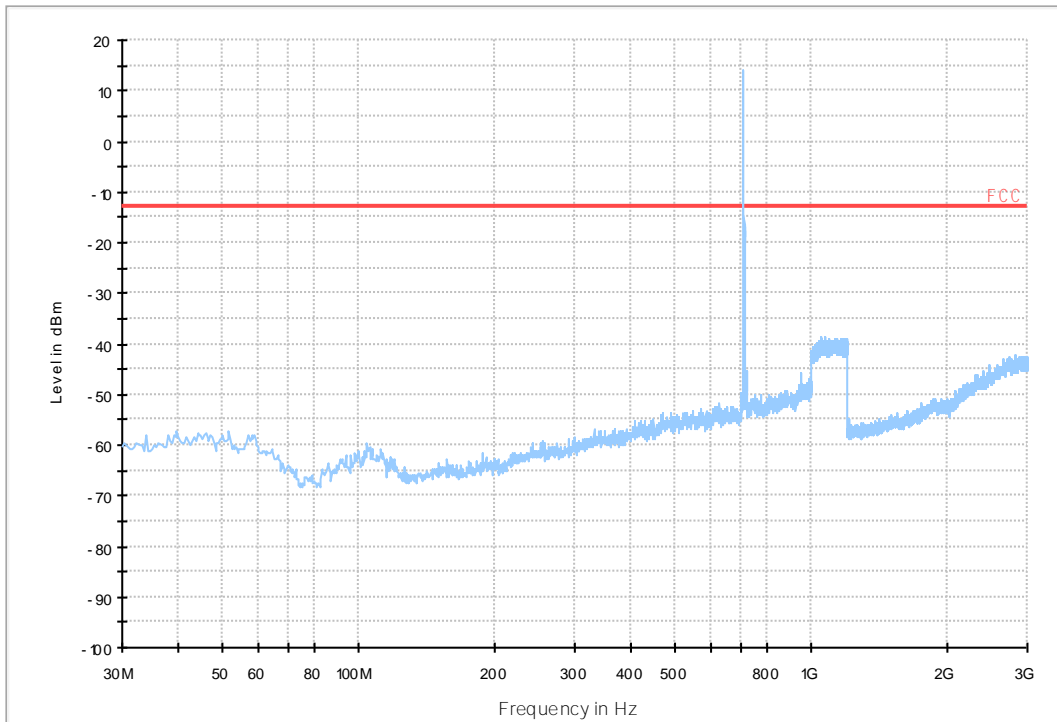
#### 7.1 For LTE

##### 7.1.1 Test Band = Band17\_ANT1

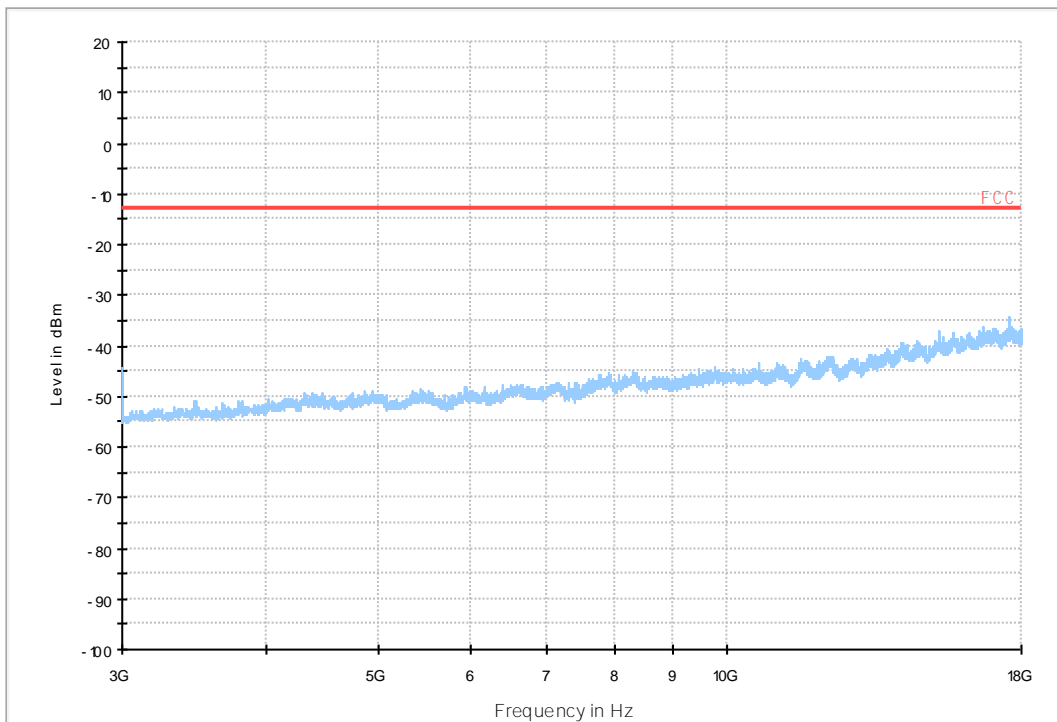
##### 7.1.1.1 Test Bandwidth = 5



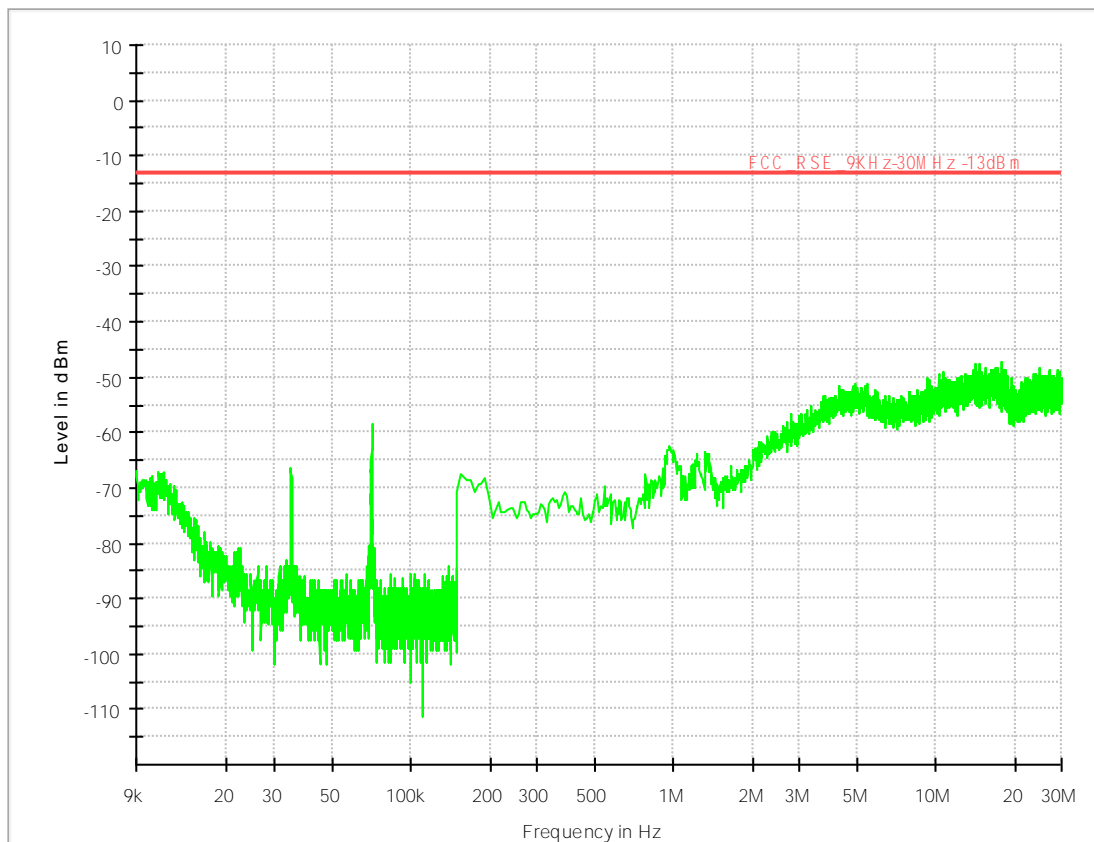
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L



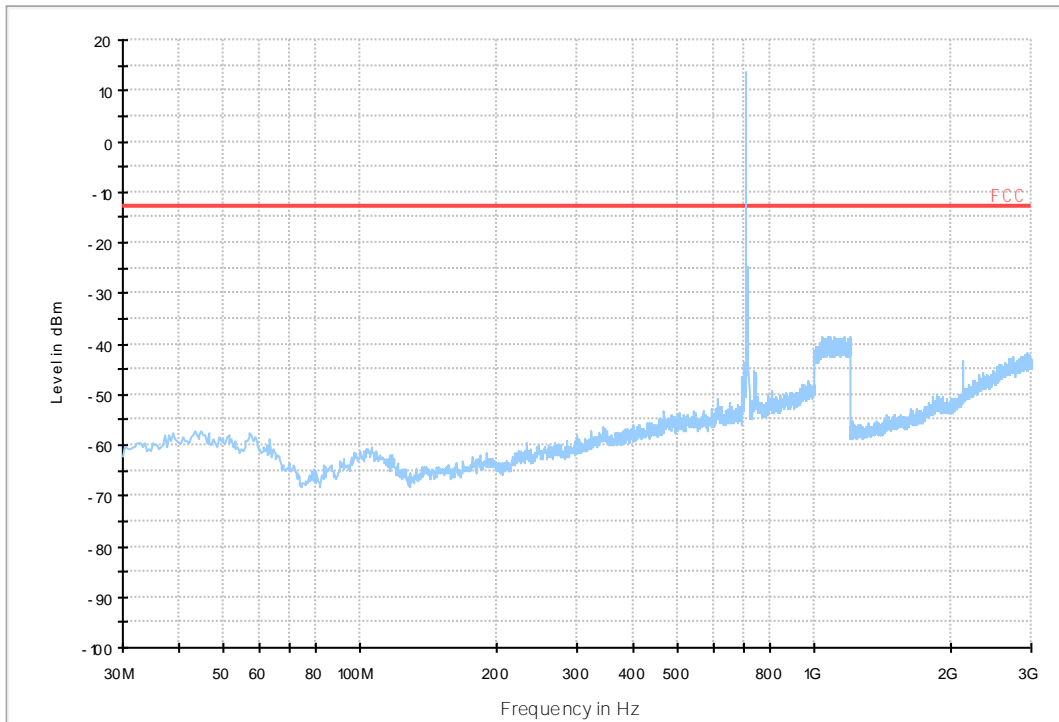
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H



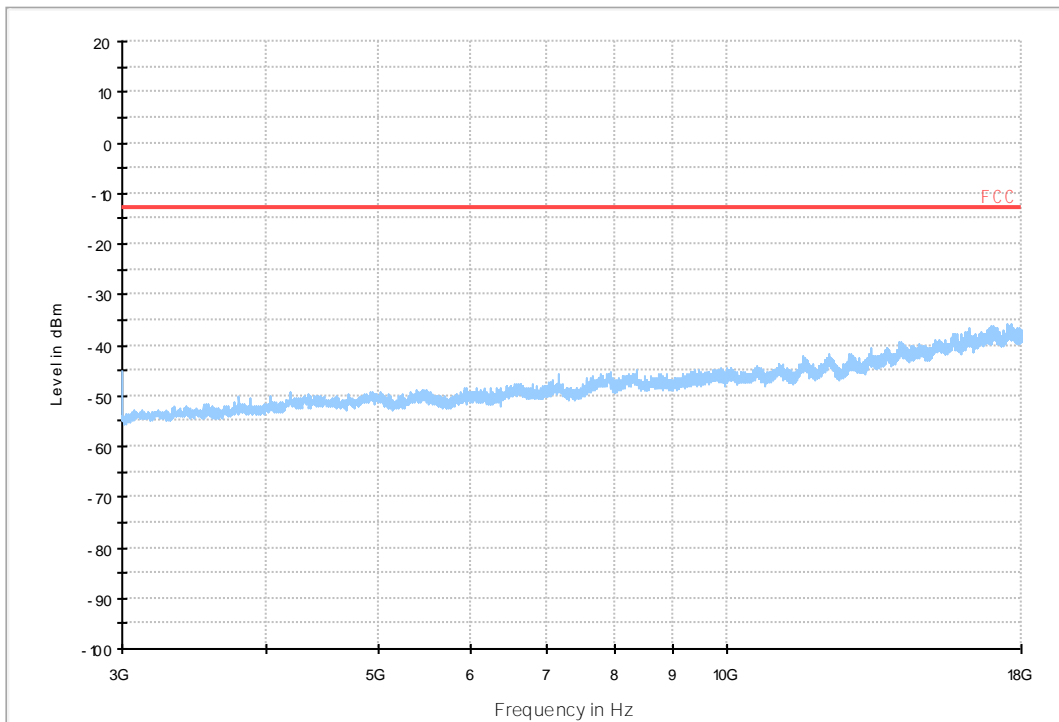
## 7.1.1.2 Test Bandwidth = 10



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

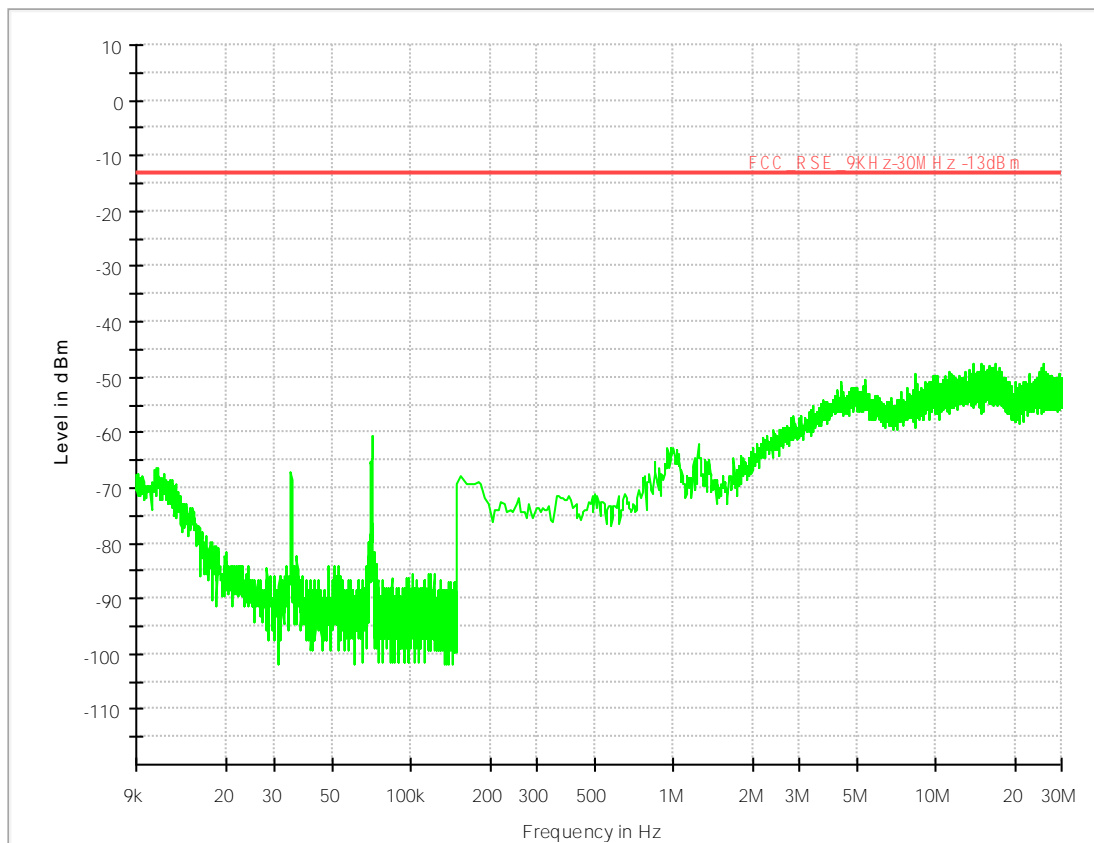


LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H

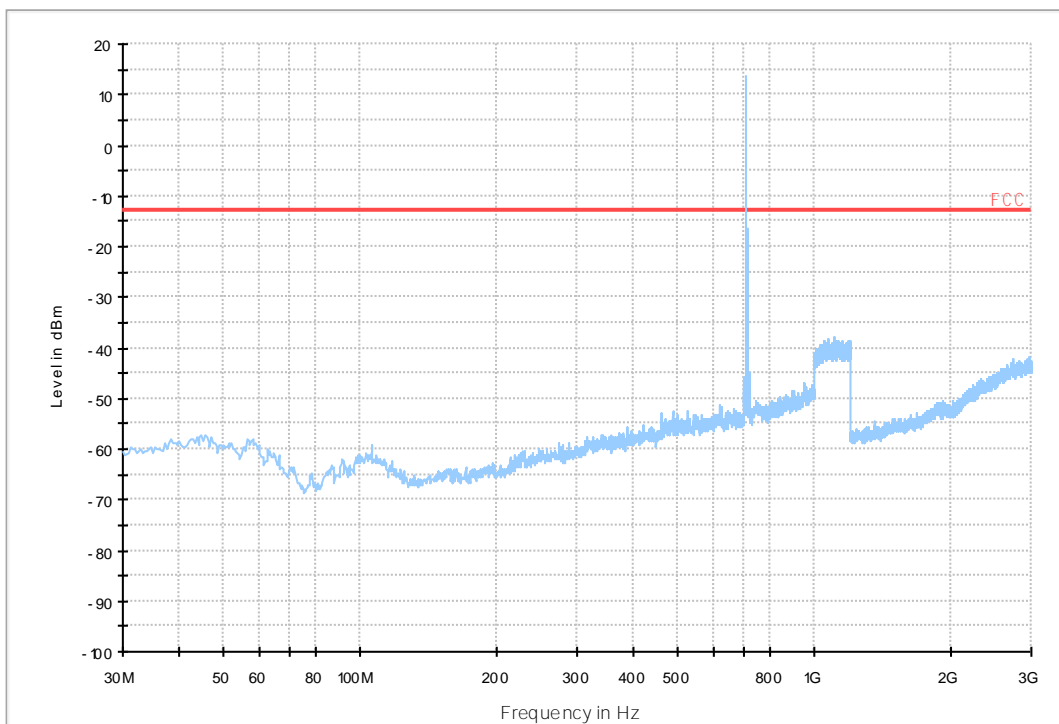


## 7.1.2 Test Band = Band17\_ANT2

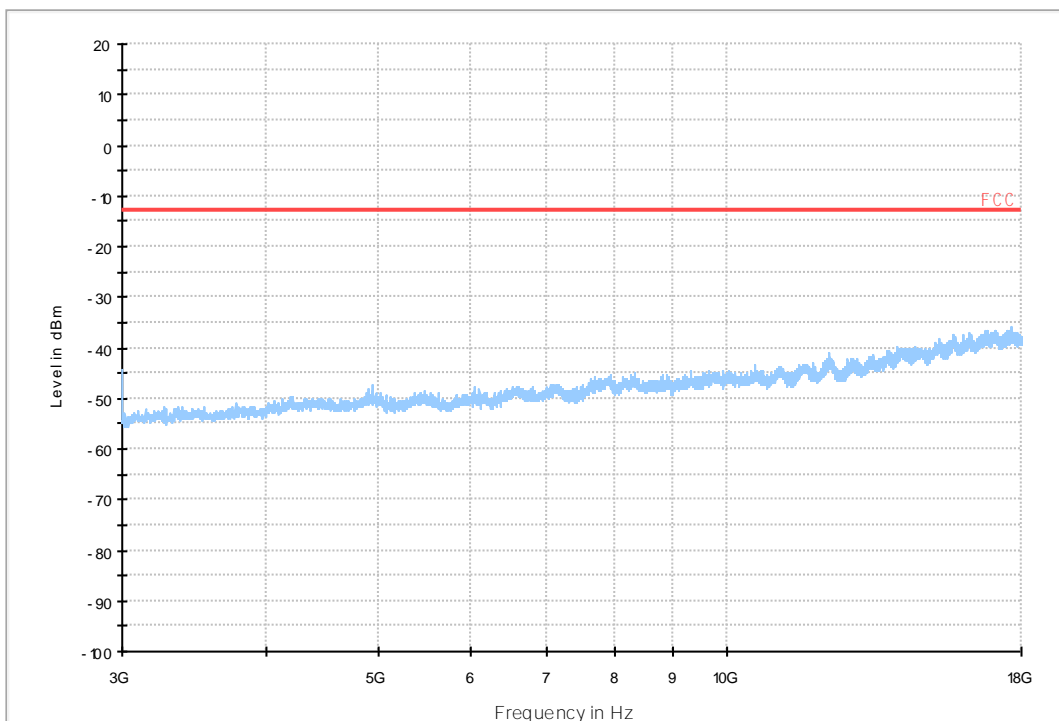
### 7.1.2.1 Test Bandwidth = 5



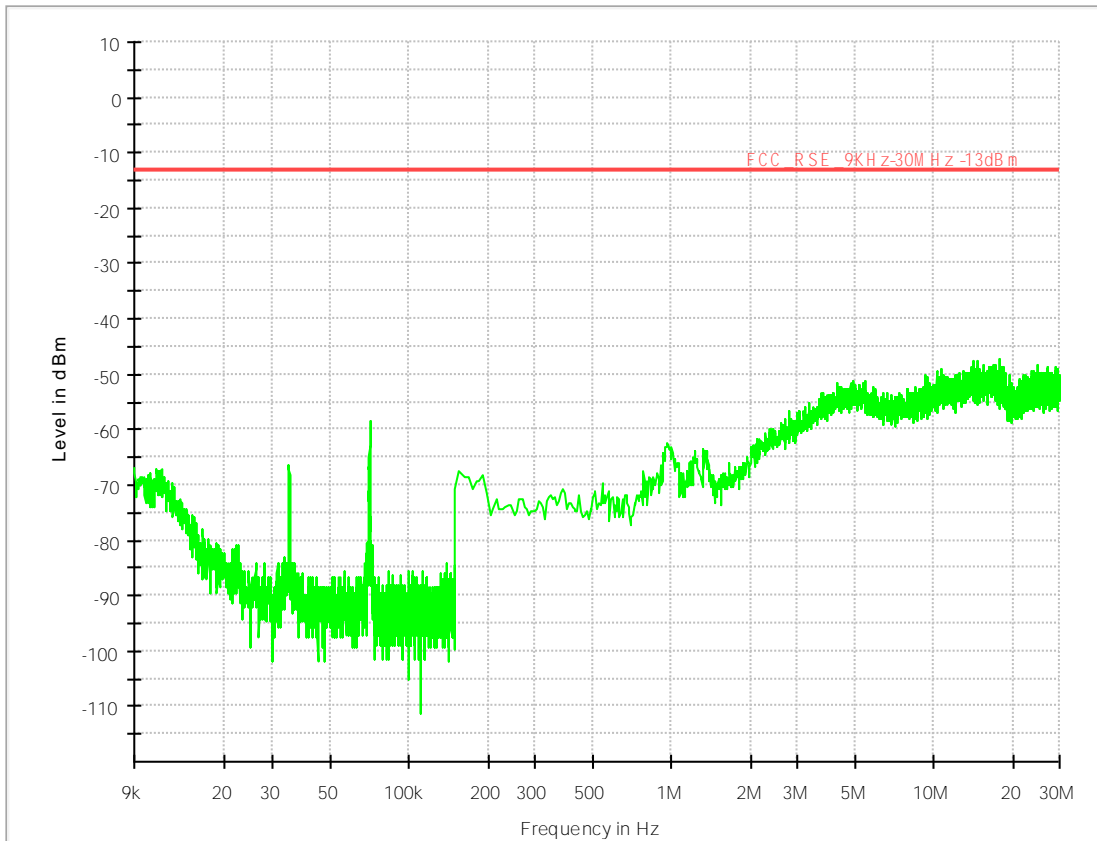
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L



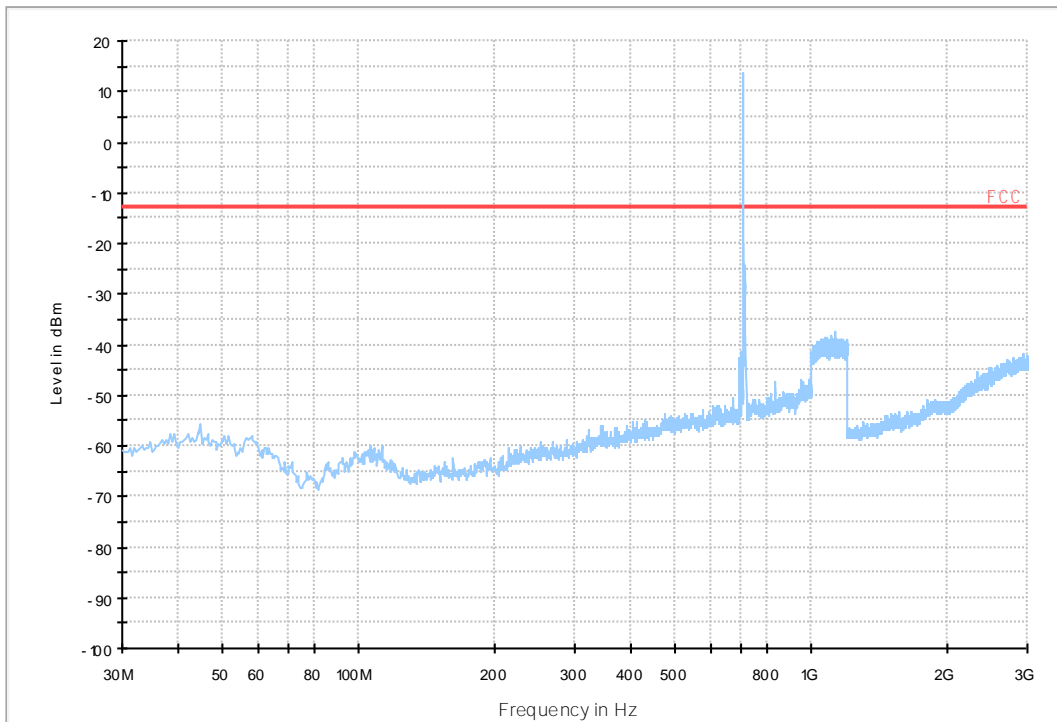
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H



7.1.2.2 Test Bandwidth = 10

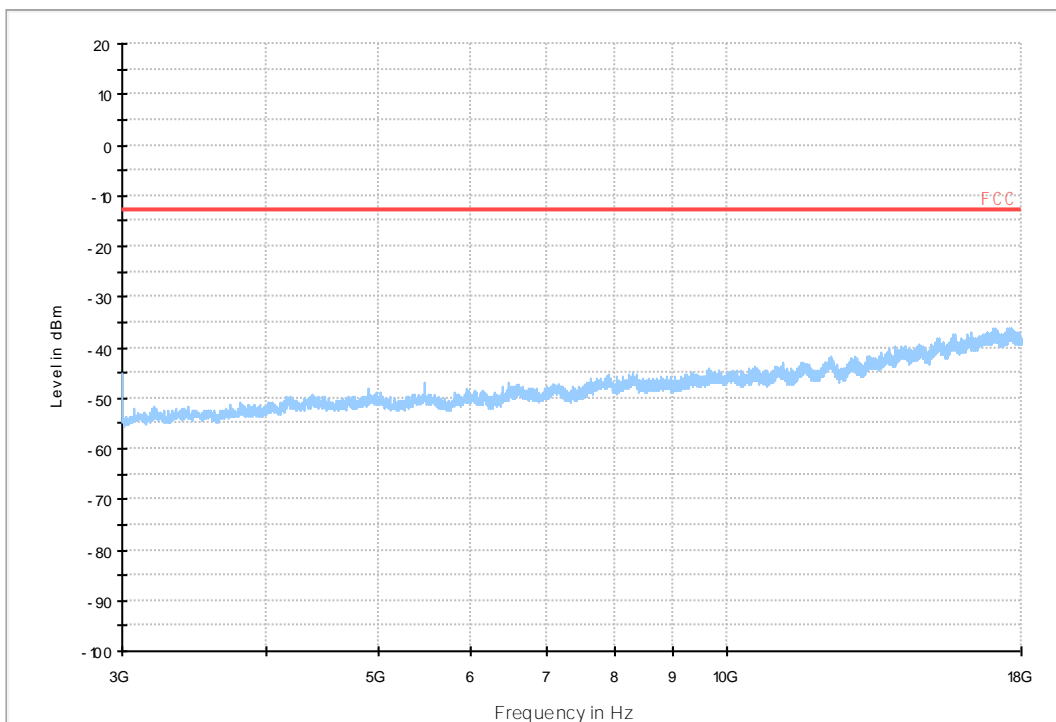


LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L





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
Band17	LTE/TM1	5	LCH	TN	VL	2.43187	0.00344	PASS
					VN	-1.84536	-0.00261	PASS
					VH	4.82082	0.00682	PASS
			MCH	TN	VL	-5.49316	-0.00774	PASS
					VN	-4.07696	-0.00574	PASS
					VH	-4.30584	-0.00606	PASS
			HCH	TN	VL	-7.41005	-0.01039	PASS
					VN	-0.34332	-0.00048	PASS
					VH	1.94550	0.00273	PASS
		10	LCH	TN	VL	-4.83513	-0.00682	PASS
					VN	0.01431	0.00002	PASS
					VH	-0.80109	-0.00113	PASS
			MCH	TN	VL	-1.40190	-0.00197	PASS
					VN	-2.43187	-0.00343	PASS
					VH	-2.17438	-0.00306	PASS
	HCH	TN	VL	-0.18597	-0.00026	PASS		
			VN	-0.84400	-0.00119	PASS		
			VH	-9.21249	-0.01296	PASS		
	LTE/TM2	5	LCH	TN	VL	4.93527	0.00699	PASS
					VN	0.88692	0.00126	PASS
					VH	-4.42028	-0.00626	PASS
			MCH	TN	VL	-4.29153	-0.00604	PASS
					VN	-5.22137	-0.00735	PASS
					VH	-0.57220	-0.00081	PASS
			HCH	TN	VL	0.48637	0.00068	PASS
					VN	2.30312	0.00323	PASS
					VH	2.48909	0.00349	PASS
10		LCH	TN	VL	-1.25885	-0.00178	PASS	
				VN	-0.31471	-0.00044	PASS	
				VH	0.45776	0.00065	PASS	
MCH	TN	VL	-5.83649	-0.00822	PASS			
		VN	-0.42915	-0.00060	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					VH	-0.72956	-0.00103	PASS
			HCH	TN	VL	-0.07153	-0.00010	PASS
					VN	-1.07288	-0.00151	PASS
					VH	-4.89235	-0.00688	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
Band17	LTE/TM1	5	LCH	VN	-30	-7.78198	-0.01101	PASS
					-20	-0.25749	-0.00036	PASS
					-10	1.31607	0.00186	PASS
					0	1.37329	0.00194	PASS
					10	-2.00272	-0.00283	PASS
					20	-1.84536	-0.00261	PASS
					30	-1.65939	-0.00235	PASS
					40	4.03404	0.00571	PASS
			50	2.26021	0.00320	PASS		
			MCH	VN	-30	0.05722	0.00008	PASS
					-20	-3.41892	-0.00482	PASS
					-10	-1.02997	-0.00145	PASS
					0	-2.77519	-0.00391	PASS
					10	2.54631	0.00359	PASS
					20	-4.07696	-0.00574	PASS
					30	0.08583	0.00012	PASS
					40	-3.93391	-0.00554	PASS
			HCH	VN	-30	7.36713	0.01033	PASS
					-20	3.13282	0.00439	PASS
					-10	2.71797	0.00381	PASS
					0	-7.89642	-0.01107	PASS
					10	-6.46591	-0.00906	PASS
					20	-0.34332	-0.00048	PASS
					30	-4.87804	-0.00684	PASS
		40			-0.32902	-0.00046	PASS	
		50	-1.68800	-0.00237	PASS			
		10	LCH	VN	-30	-0.75817	-0.00107	PASS
					-20	-1.84536	-0.00260	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
	LTE/TM2	5			-10	-0.98705	-0.00139	PASS
					0	-0.90122	-0.00127	PASS
					10	0.44346	0.00063	PASS
					20	0.01431	0.00002	PASS
					30	-0.27180	-0.00038	PASS
					40	-0.55790	-0.00079	PASS
					50	-6.40869	-0.00904	PASS
			MCH	VN	-30	-0.92983	-0.00131	PASS
					-20	-1.24455	-0.00175	PASS
					-10	-4.24862	-0.00598	PASS
					0	-5.83649	-0.00822	PASS
					10	0.00000	0.00000	PASS
					20	-2.43187	-0.00343	PASS
					30	-1.01566	-0.00143	PASS
			HCH	VN	-30	-2.88963	-0.00406	PASS
					-20	-1.07288	-0.00151	PASS
					-10	-3.60489	-0.00507	PASS
					0	-8.92639	-0.01255	PASS
					10	83.85658	0.11794	PASS
					20	-0.84400	-0.00119	PASS
					30	-7.58171	-0.01066	PASS
			LCH	VN	40	-4.79221	-0.00674	PASS
					50	-0.70095	-0.00099	PASS
					-30	-0.64373	-0.00091	PASS
	-20	-1.34468			-0.00190	PASS		
	-10	-2.33173			-0.00330	PASS		
	0	0.85831			0.00121	PASS		
	10	-2.60353			-0.00369	PASS		
	20	0.88692			0.00126	PASS		
	30	3.96252			0.00561	PASS		
	40	-0.88692			-0.00126	PASS		
	50	2.17438			0.00308	PASS		
	MCH	VN			-30	1.78814	0.00252	PASS
			-20	-5.16415	-0.00727	PASS		
			-10	-2.41756	-0.00341	PASS		
			0	-2.13146	-0.00300	PASS		
10			-3.57628	-0.00504	PASS			

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict								
					20	-5.22137	-0.00735	PASS								
					30	-4.10557	-0.00578	PASS								
					40	-4.00543	-0.00564	PASS								
					50	-0.10014	-0.00014	PASS								
			HCH	VN				-30	0.05722	0.00008	PASS					
								-20	1.73092	0.00243	PASS					
								-10	-3.77655	-0.00529	PASS					
								0	-4.84943	-0.00680	PASS					
								10	4.42028	0.00620	PASS					
								20	2.30312	0.00323	PASS					
								30	-0.22888	-0.00032	PASS					
								40	-3.16143	-0.00443	PASS					
								50	5.10693	0.00716	PASS					
								10			LCH	VN	-30	-4.20570	-0.00593	PASS
													-20	-2.24590	-0.00317	PASS
													-10	-3.46184	-0.00488	PASS
		0	-2.17438	-0.00307	PASS											
		10	2.24590	0.00317	PASS											
		20	-0.31471	-0.00044	PASS											
		30	-1.45912	-0.00206	PASS											
		40	-1.28746	-0.00182	PASS											
		50	-1.60217	-0.00226	PASS											
		MCH	VN				-30				-0.41485	-0.00058	PASS			
							-20				-1.70231	-0.00240	PASS			
							-10				-1.40190	-0.00197	PASS			
							0				-1.98841	-0.00280	PASS			
							10				3.31879	0.00467	PASS			
							20	-0.42915	-0.00060	PASS						
		HCH	VN				30	-1.30177	-0.00183	PASS						
							40	-0.37193	-0.00052	PASS						
							50	-2.34604	-0.00330	PASS						
							-30	-3.40462	-0.00479	PASS						
							-20	-0.85831	-0.00121	PASS						
							-10	-1.10149	-0.00155	PASS						
							0	1.94550	0.00274	PASS						
							10	67.74902	0.09529	PASS						
		20	-1.07288	-0.00151	PASS											
		30	-1.07288	-0.00151	PASS											
		40	-5.36442	-0.00754	PASS											



---

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					50	0.34332	0.00048	PASS

---

END