



# 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	23.45	16.02	34.7	PASS
				RB1#13	23.43	16.00	34.7	PASS
				RB1#24	23.51	16.08	34.7	PASS
				RB12#0	22.44	15.01	34.7	PASS
				RB12#6	22.50	15.07	34.7	PASS
				RB12#13	22.38	14.95	34.7	PASS
				RB25#0	22.58	15.15	34.7	PASS
			MCH	RB1#0	23.51	16.08	34.7	PASS
				RB1#13	23.72	16.29	34.7	PASS
				RB1#24	23.53	16.10	34.7	PASS
				RB12#0	22.55	15.12	34.7	PASS
				RB12#6	22.43	15.00	34.7	PASS
				RB12#13	22.50	15.07	34.7	PASS
RB25#0	22.47	15.04		34.7	PASS			
HCH	RB1#0	23.56	16.13	34.7	PASS			

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict	
				RB1#13	23.40	15.97	34.7	PASS	
				RB1#24	23.44	16.01	34.7	PASS	
				RB12#0	22.50	15.07	34.7	PASS	
				RB12#6	22.48	15.05	34.7	PASS	
				RB12#13	22.64	15.21	34.7	PASS	
				RB25#0	22.46	15.03	34.7	PASS	
		10	LCH	RB1#0	23.53	16.10	34.7	PASS	
				RB1#25	23.70	16.27	34.7	PASS	
				RB1#49	23.73	16.30	34.7	PASS	
				RB25#0	22.68	15.25	34.7	PASS	
				RB25#13	22.56	15.13	34.7	PASS	
				RB25#25	22.46	15.03	34.7	PASS	
				RB50#0	22.66	15.23	34.7	PASS	
				MCH	RB1#0	23.24	15.81	34.7	PASS
					RB1#25	23.58	16.15	34.7	PASS
					RB1#49	23.38	15.95	34.7	PASS
RB25#0	22.47	15.04	34.7		PASS				

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#13	22.47	15.04	34.7	PASS
				RB25#25	22.55	15.12	34.7	PASS
				RB50#0	22.57	15.14	34.7	PASS
			HCH	RB1#0	23.49	16.06	34.7	PASS
				RB1#25	23.63	16.20	34.7	PASS
				RB1#49	23.59	16.16	34.7	PASS
				RB25#0	22.51	15.08	34.7	PASS
				RB25#13	22.48	15.05	34.7	PASS
				RB25#25	22.63	15.20	34.7	PASS
				RB50#0	22.63	15.20	34.7	PASS
			LCH	RB1#0	22.61	15.18	34.7	PASS
				RB1#13	22.69	15.26	34.7	PASS
				RB1#24	22.69	15.26	34.7	PASS
				RB12#0	21.61	14.18	34.7	PASS
				RB12#6	21.62	14.19	34.7	PASS
RB12#13	21.61	14.18		34.7	PASS			
RB25#0	21.56	14.13		34.7	PASS			

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	22.71	15.28	34.7	PASS
				RB1#13	22.83	15.40	34.7	PASS
				RB1#24	22.67	15.24	34.7	PASS
				RB12#0	21.55	14.12	34.7	PASS
				RB12#6	21.50	14.07	34.7	PASS
				RB12#13	21.46	14.03	34.7	PASS
				RB25#0	21.40	13.97	34.7	PASS
			HCH	RB1#0	22.72	15.29	34.7	PASS
				RB1#13	22.89	15.46	34.7	PASS
				RB1#24	22.70	15.27	34.7	PASS
				RB12#0	21.50	14.07	34.7	PASS
				RB12#6	21.44	14.01	34.7	PASS
				RB12#13	21.75	14.32	34.7	PASS
				RB25#0	21.44	14.01	34.7	PASS
		10	LCH	RB1#0	22.99	15.56	34.7	PASS
RB1#25	22.77			15.34	34.7	PASS		
RB1#49	22.90			15.47	34.7	PASS		

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	21.66	14.23	34.7	PASS
				RB25#13	21.56	14.13	34.7	PASS
				RB25#25	21.47	14.04	34.7	PASS
				RB50#0	21.62	14.19	34.7	PASS
			MCH	RB1#0	22.83	15.40	34.7	PASS
				RB1#25	22.66	15.23	34.7	PASS
				RB1#49	22.62	15.19	34.7	PASS
				RB25#0	21.56	14.13	34.7	PASS
				RB25#13	21.37	13.94	34.7	PASS
				RB25#25	21.44	14.01	34.7	PASS
				RB50#0	21.53	14.10	34.7	PASS
			HCH	RB1#0	22.97	15.54	34.7	PASS
				RB1#25	22.82	15.39	34.7	PASS
				RB1#49	22.76	15.33	34.7	PASS
				RB25#0	21.46	14.03	34.7	PASS
				RB25#13	21.44	14.01	34.7	PASS
				RB25#25	21.53	14.10	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.61	14.18	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:

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

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

$$\text{SET VBW} \geq 3 * \text{RBW}$$

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	5.19	13	PASS
				RB1#13	5.08	13	PASS
				RB1#24	5.17	13	PASS
				RB12#0	5.54	13	PASS
				RB12#6	5.33	13	PASS
				RB12#13	5.70	13	PASS
			RB25#0	5.89	13	PASS	
			MCH	RB1#0	5.07	13	PASS
				RB1#13	4.99	13	PASS
				RB1#24	4.97	13	PASS
				RB12#0	5.65	13	PASS
				RB12#6	5.41	13	PASS
		RB12#13		5.39	13	PASS	
		RB25#0	6.03	13	PASS		
		HCH	RB1#0	5.10	13	PASS	
			RB1#13	5.03	13	PASS	
			RB1#24	5.02	13	PASS	
			RB12#0	5.68	13	PASS	
			RB12#6	5.47	13	PASS	
			RB12#13	5.48	13	PASS	
		RB25#0	5.86	13	PASS		
		10	LCH	RB1#0	5.21	13	PASS
				RB1#25	5.09	13	PASS
				RB1#49	4.89	13	PASS
RB25#0	5.69			13	PASS		
RB25#13	5.80			13	PASS		
RB25#25	5.81			13	PASS		
RB50#0	6.02		13	PASS			
MCH	RB1#0		5.03	13	PASS		
	RB1#25		4.86	13	PASS		
	RB1#49		4.90	13	PASS		
	RB25#0		5.79	13	PASS		
	RB25#13		5.76	13	PASS		
	RB25#25	5.81	13	PASS			



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict		
			HCH	RB50#0	6.23	13	PASS		
				RB1#0	5.20	13	PASS		
				RB1#25	4.96	13	PASS		
				RB1#49	4.98	13	PASS		
				RB25#0	5.83	13	PASS		
				RB25#13	5.83	13	PASS		
				RB25#25	5.74	13	PASS		
				RB50#0	6.18	13	PASS		
			LTE/TM2	5	LCH	RB1#0	5.83	13	PASS
						RB1#13	5.80	13	PASS
						RB1#24	5.78	13	PASS
						RB12#0	6.07	13	PASS
						RB12#6	5.94	13	PASS
						RB12#13	6.10	13	PASS
	RB25#0	6.49				13	PASS		
	MCH	RB1#0				5.77	13	PASS	
		RB1#13			5.69	13	PASS		
		RB1#24			5.66	13	PASS		
		RB12#0			6.58	13	PASS		
		RB12#6			6.59	13	PASS		
		RB12#13			6.26	13	PASS		
		RB25#0			6.75	13	PASS		
		HCH			RB1#0	5.57	13	PASS	
	RB1#13				5.51	13	PASS		
	RB1#24		5.50	13	PASS				
	RB12#0		6.16	13	PASS				
	RB12#6		5.99	13	PASS				
	RB12#13		6.01	13	PASS				
	RB25#0		6.62	13	PASS				
	10		LCH	RB1#0	5.86	13	PASS		
RB1#25		5.82		13	PASS				
RB1#49		5.71		13	PASS				
RB25#0		6.28		13	PASS				
RB25#13		6.38		13	PASS				
RB25#25		6.59		13	PASS				
RB50#0		6.71		13	PASS				
MCH		RB1#0	6.19	13	PASS				
		RB1#25	5.99	13	PASS				
		RB1#49	5.89	13	PASS				

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#0	6.40	13	PASS
				RB25#13	6.45	13	PASS
				RB25#25	6.55	13	PASS
				RB50#0	6.78	13	PASS
			HCH	RB1#0	5.64	13	PASS
				RB1#25	5.45	13	PASS
				RB1#49	5.57	13	PASS
				RB25#0	6.60	13	PASS
				RB25#13	6.69	13	PASS
				RB25#25	6.64	13	PASS
				RB50#0	6.79	13	PASS

## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

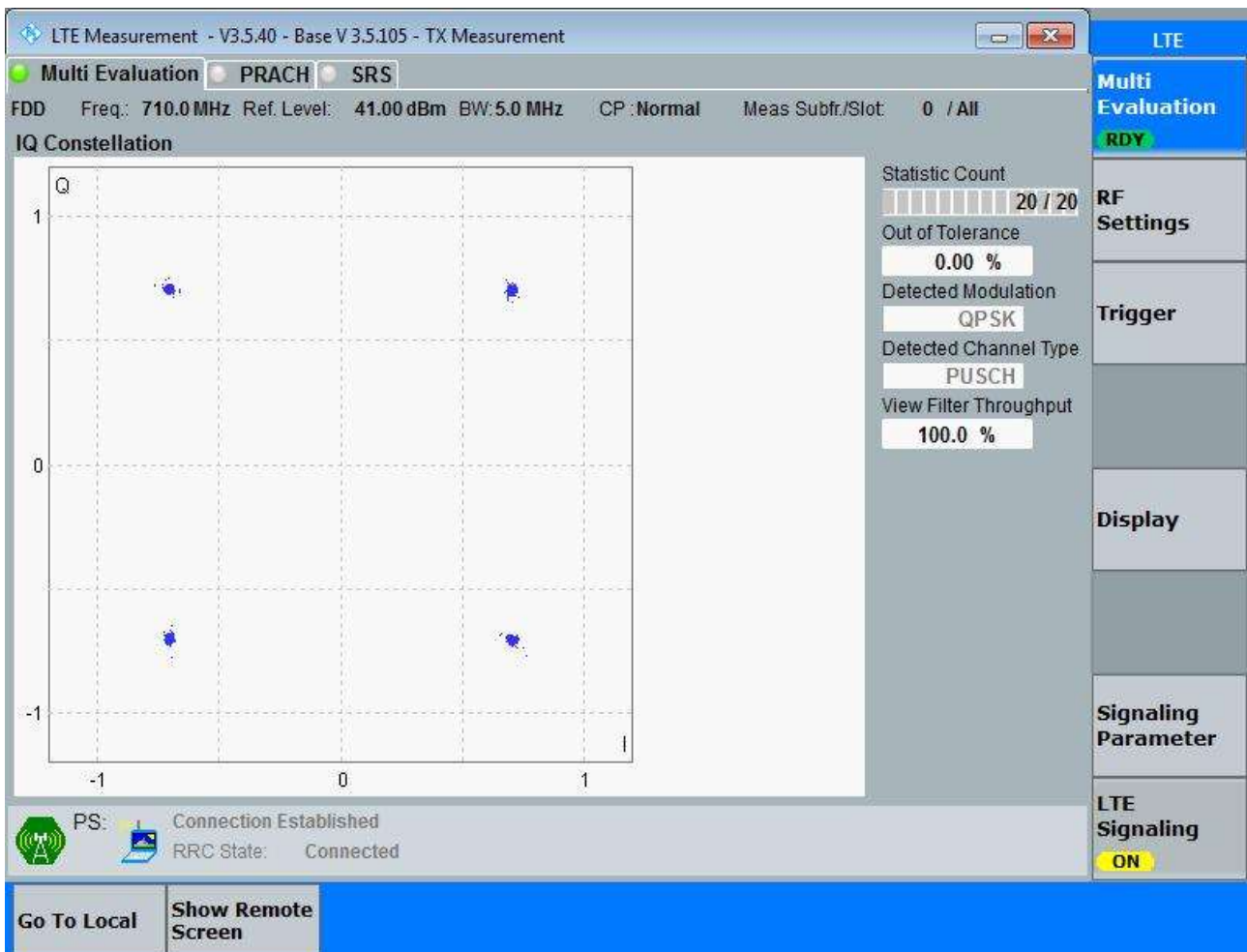
##### 3.1.1 Test Band = Band17

##### 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

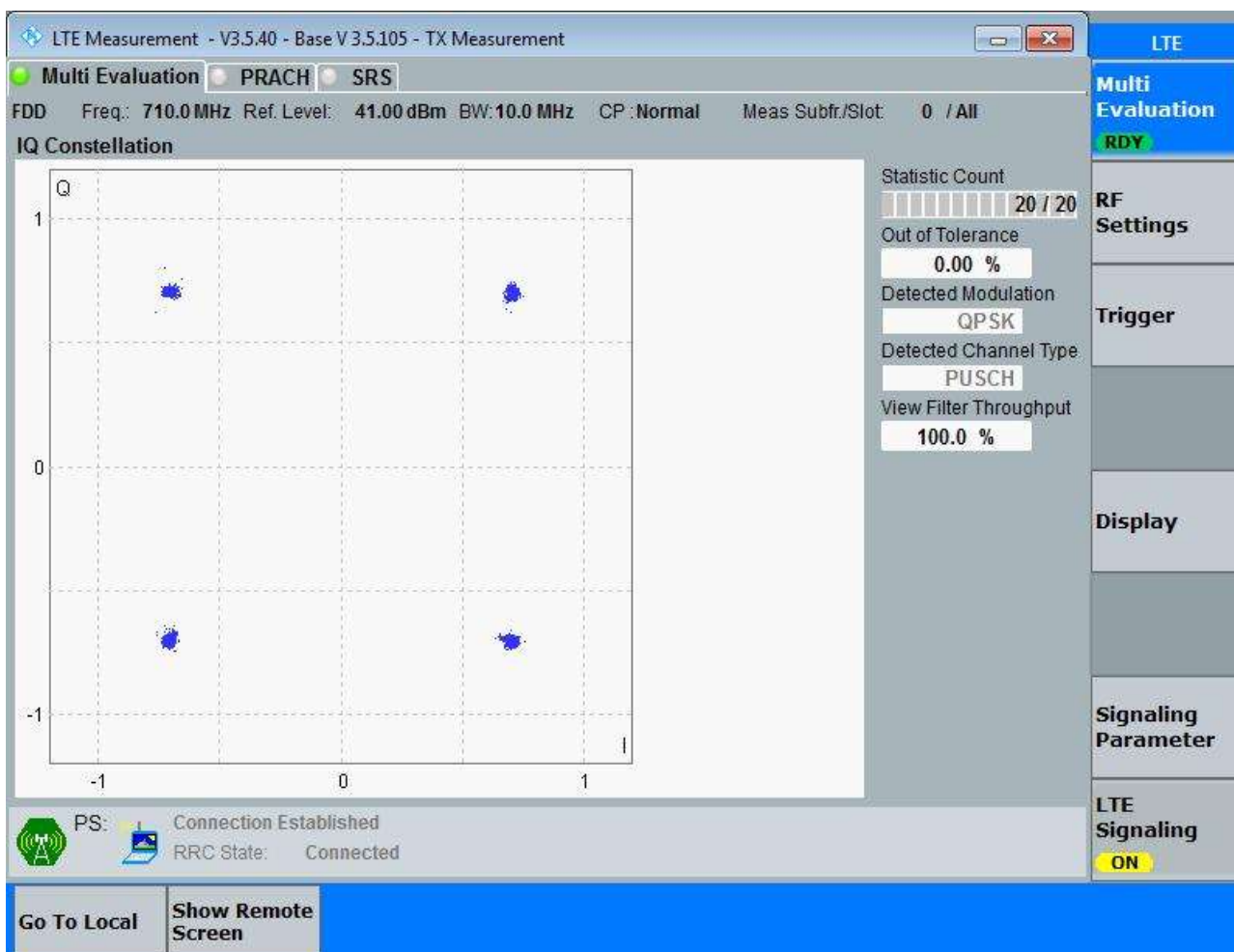
##### 3.1.1.1.1.1.1 Test RB = RB25#0



### 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

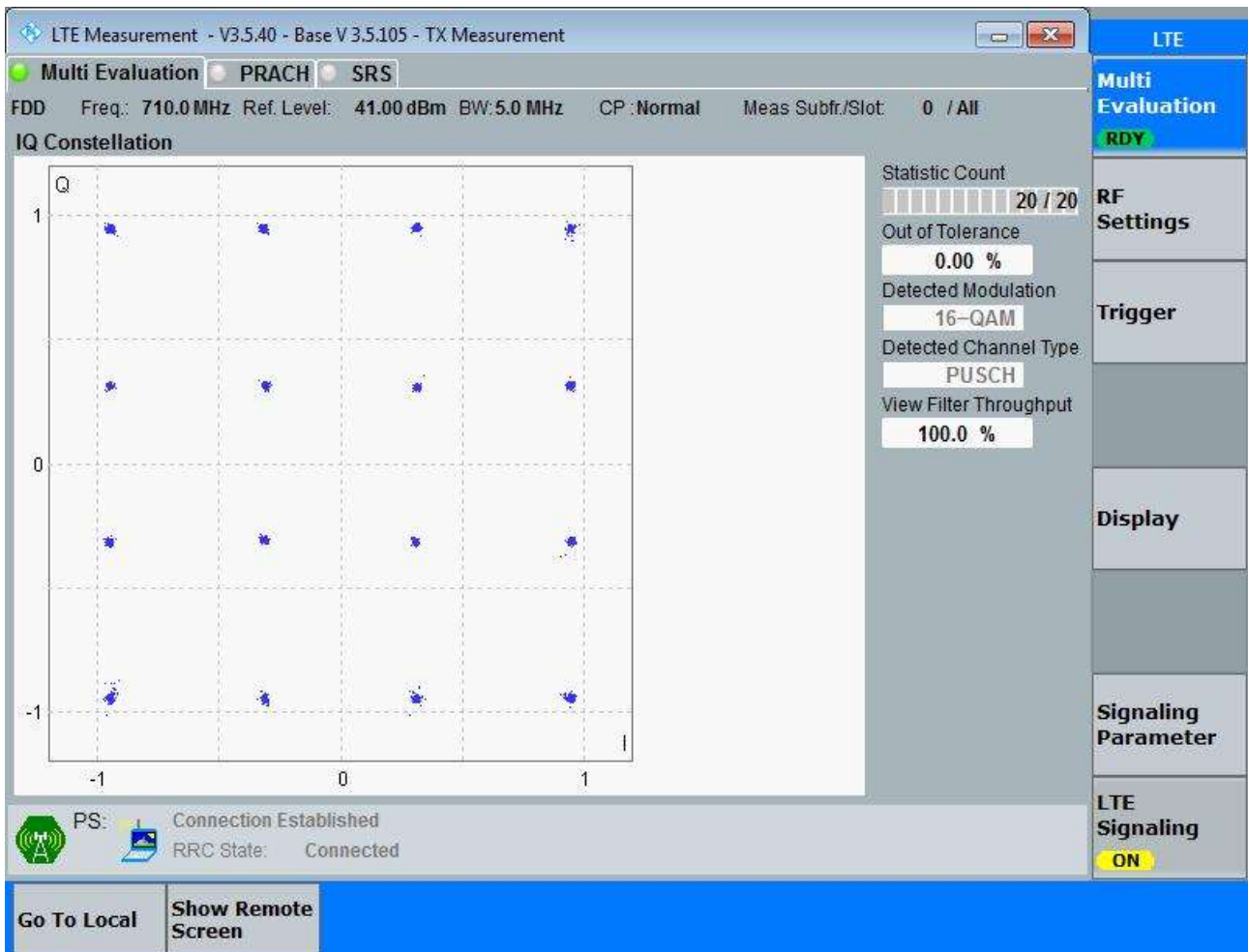


### 3.1.1.2 Test Mode = LTE/TM2

#### 3.1.1.2.1 Test Bandwidth = 5

##### 3.1.1.2.1.1 Test Channel = MCH

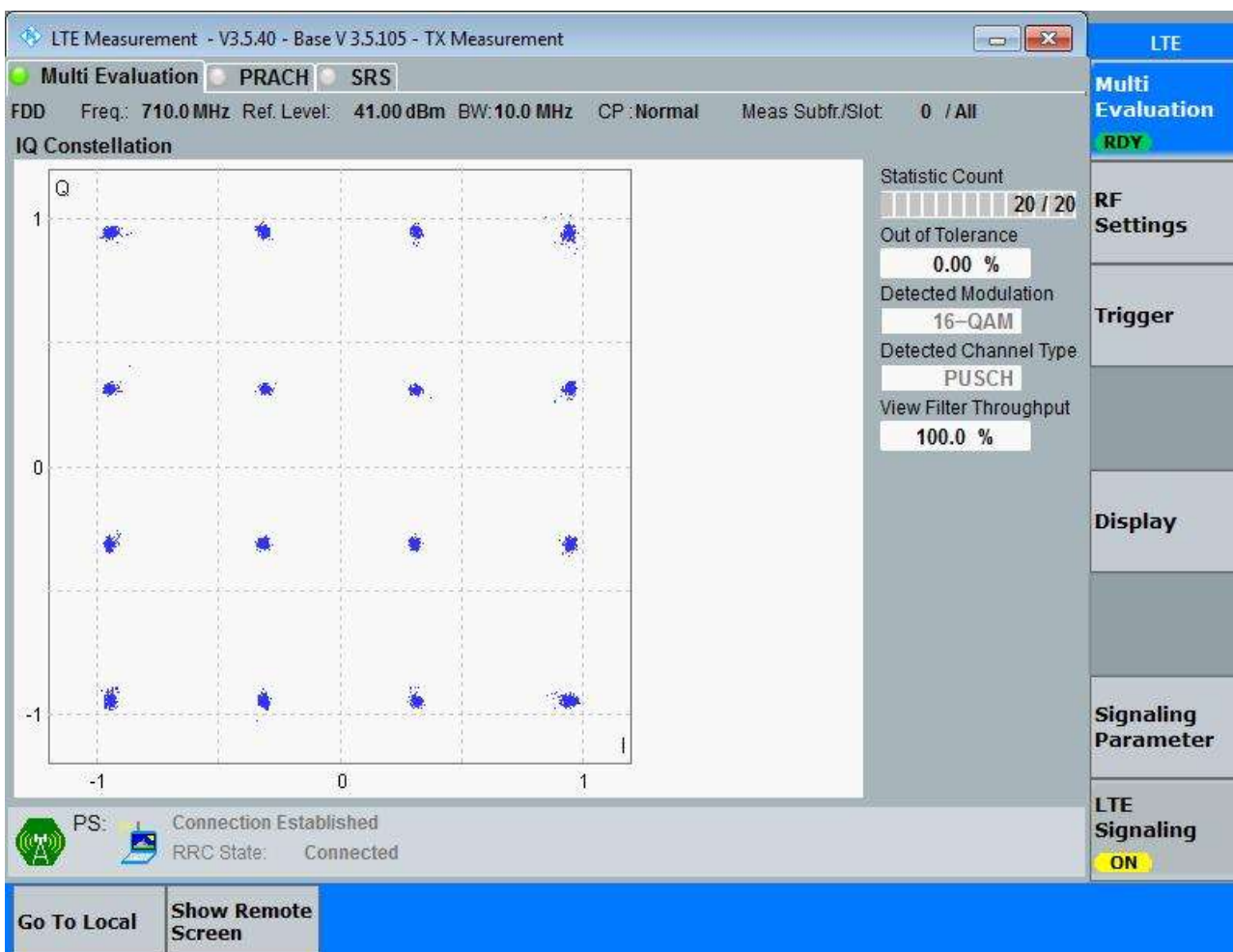
###### 3.1.1.2.1.1.1 Test RB = RB25#0



### 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	4.52	4.95	Pass
			HCH	RB25#0	4.51	4.96	Pass
		10	LCH	RB50#0	9.02	9.85	Pass
			MCH	RB50#0	9.01	9.90	Pass
			HCH	RB50#0	9.00	9.92	Pass
	LTE/TM2	5	LCH	RB25#0	4.51	4.92	Pass
			MCH	RB25#0	4.52	4.96	Pass
			HCH	RB25#0	4.52	4.97	Pass
		10	LCH	RB50#0	8.99	9.87	Pass
			MCH	RB50#0	9.02	9.94	Pass
			HCH	RB50#0	9.01	9.87	Pass

**Part II - Test Plots**

**4.1 For LTE**

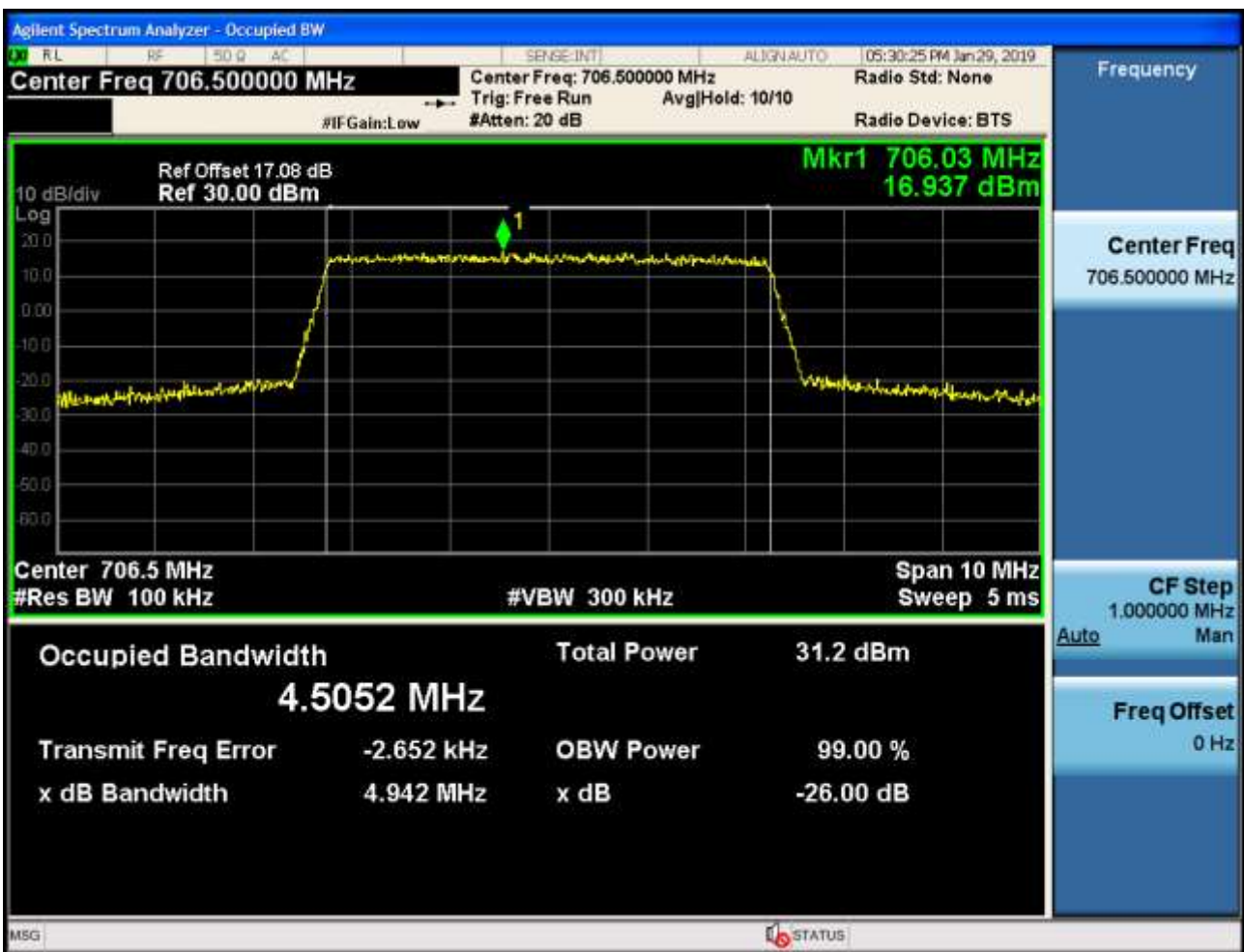
**4.1.1 Test Band = Band17**

**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**

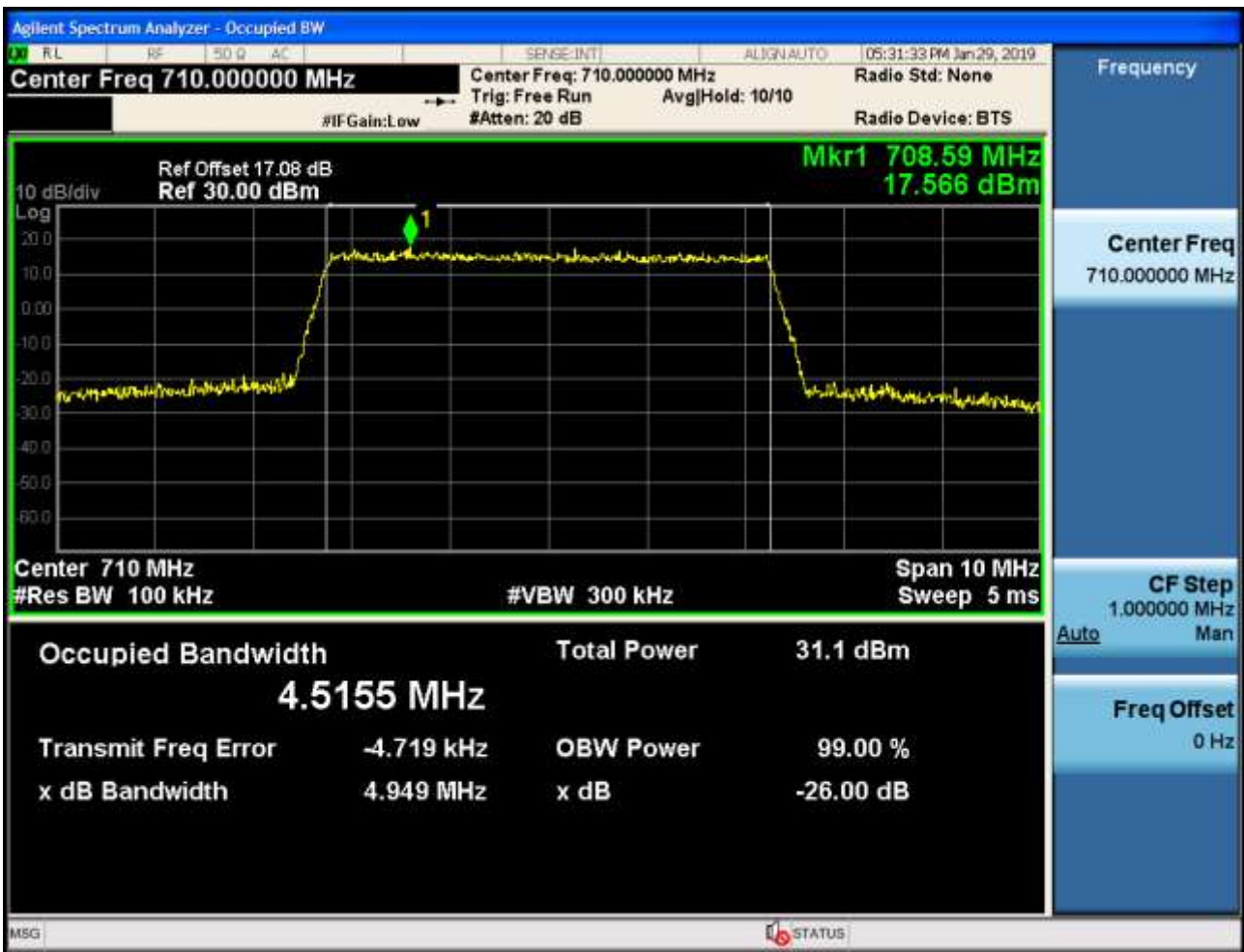
**4.1.1.1.1.1.1 Test RB = RB25#0**





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

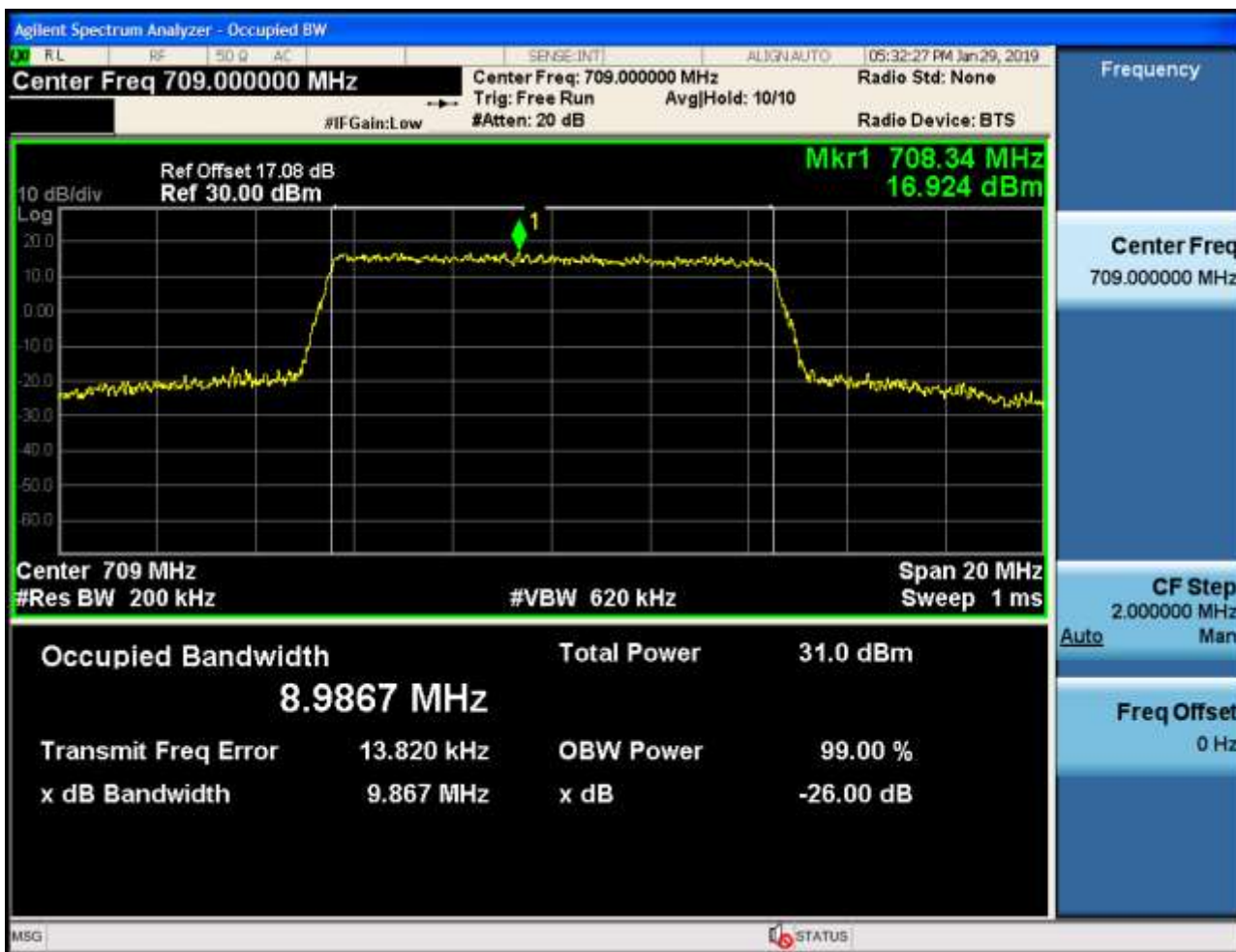




4.1.1.2.2 Test Bandwidth = 10

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 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

##### 5.1.1.1.1.1.1 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





5.1.1.1.2.3 Test RB = RB12#6





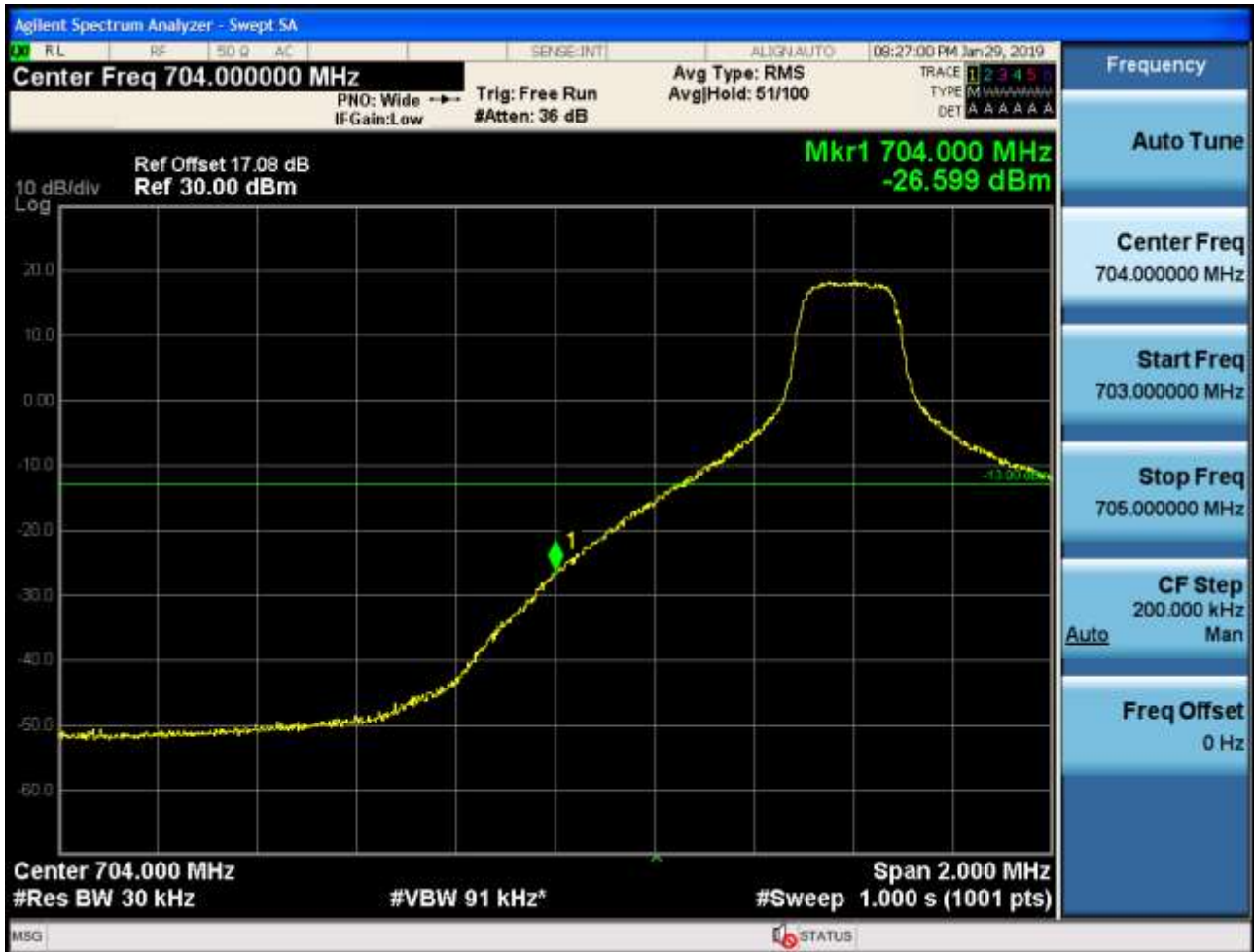
5.1.1.1.1.2.4 Test RB = RB25#0



## 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



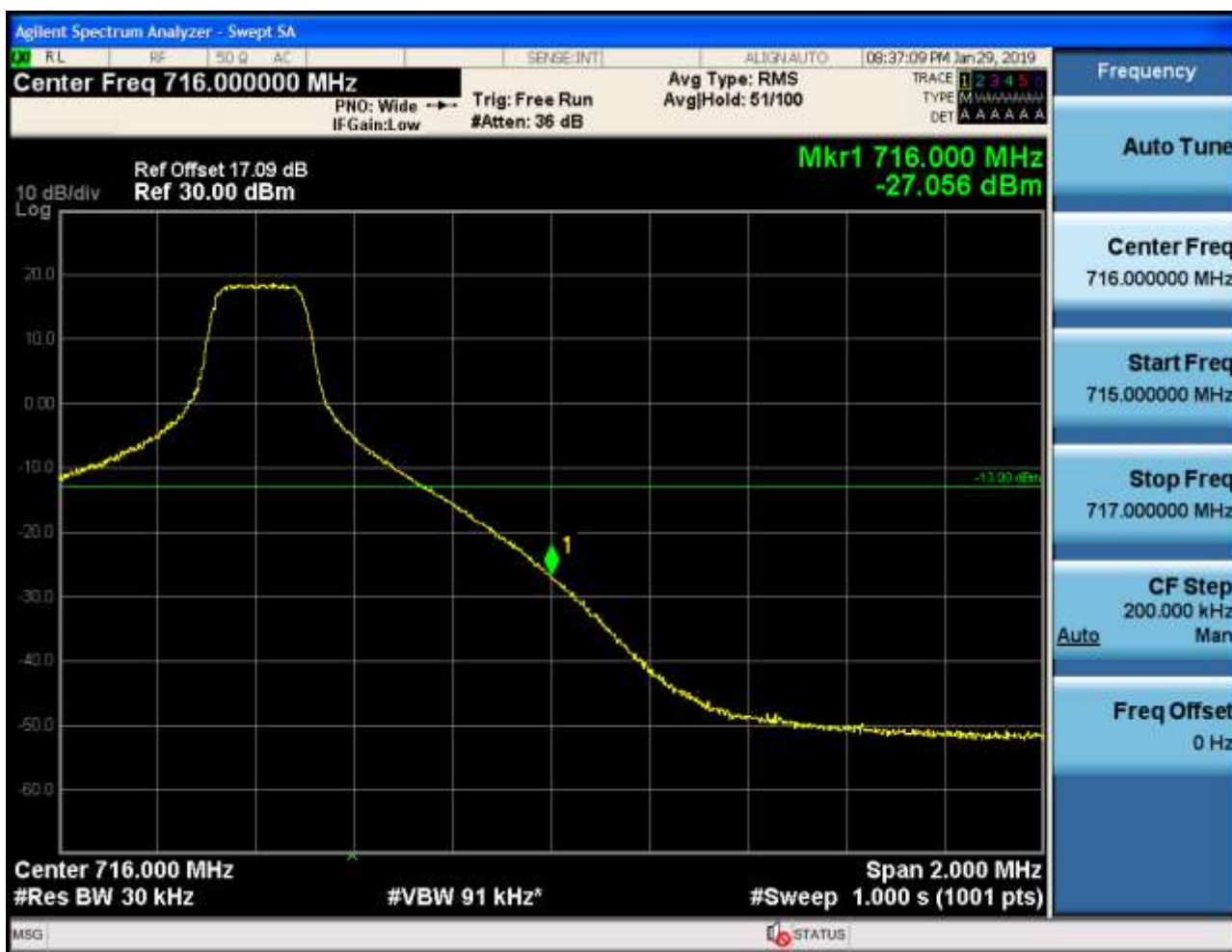
## 5.1.1.1.2.2 Test Channel = HCH

## 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

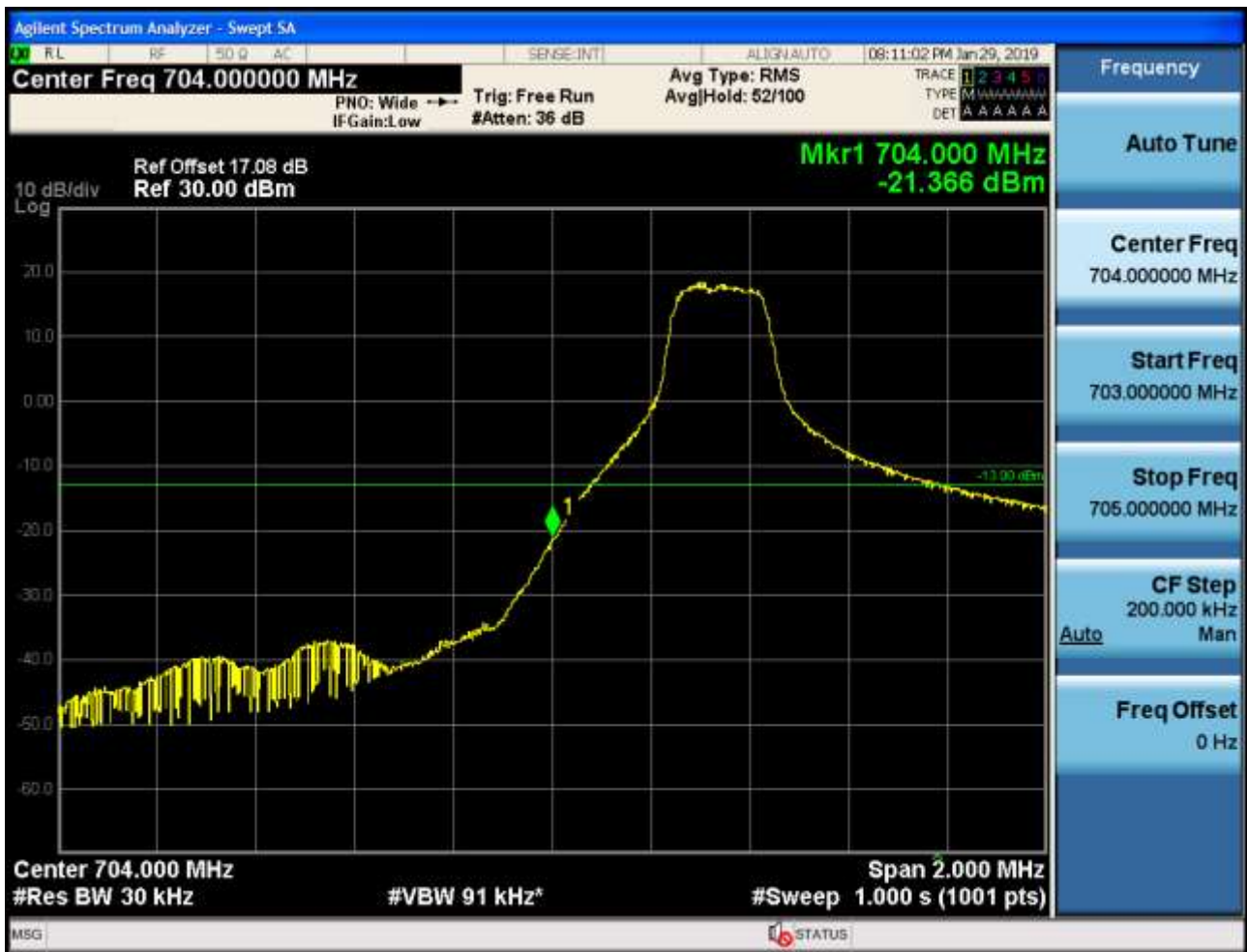


### 5.1.1.2 Test Mode = LTE/TM2

#### 5.1.1.2.1 Test Bandwidth = 5

##### 5.1.1.2.1.1 Test Channel = LCH

##### 5.1.1.2.1.1.1 Test RB = RB1#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









5.1.1.2.1.2.3 Test RB = RB12#6



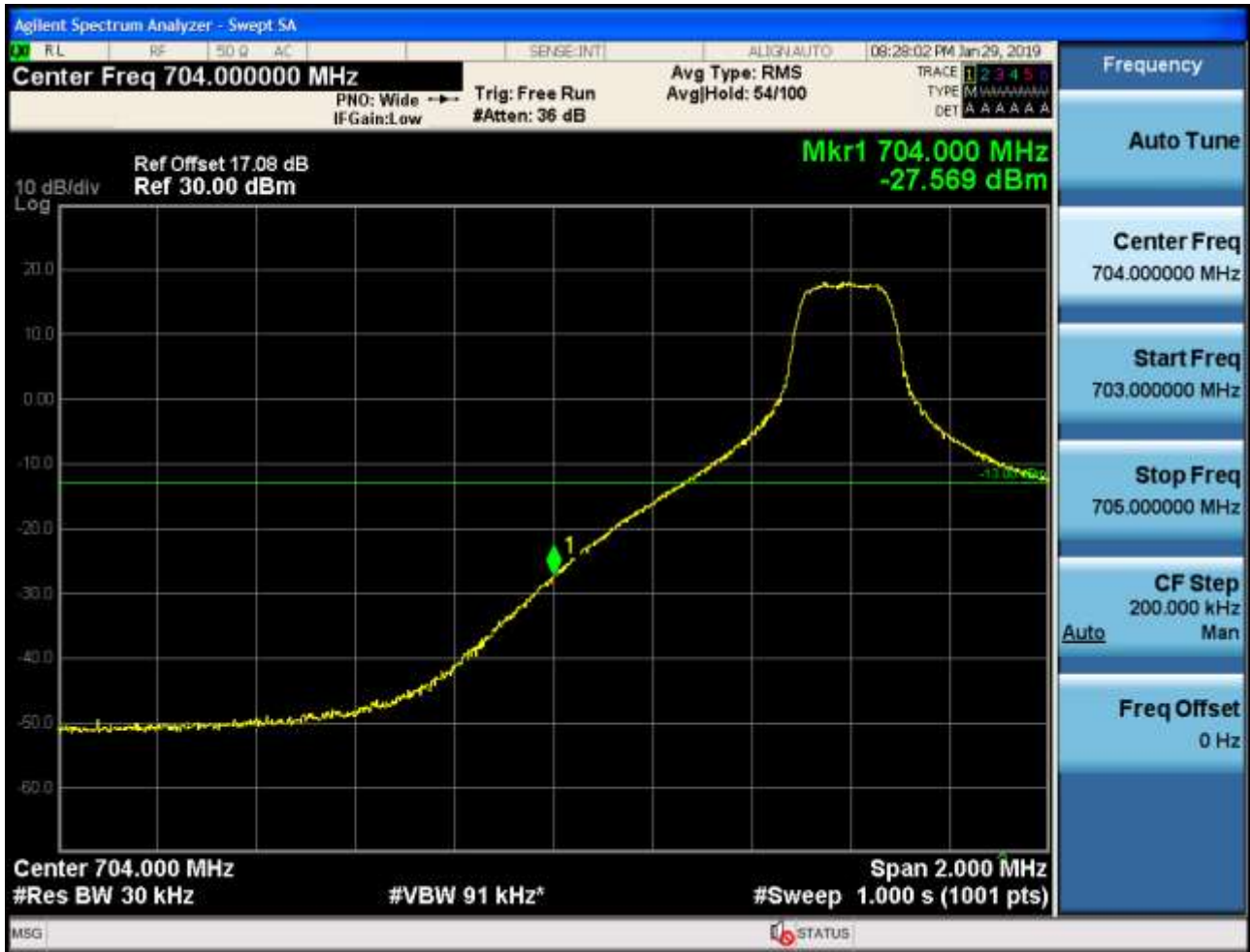
## 5.1.1.2.1.2.4 Test RB = RB25#0



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

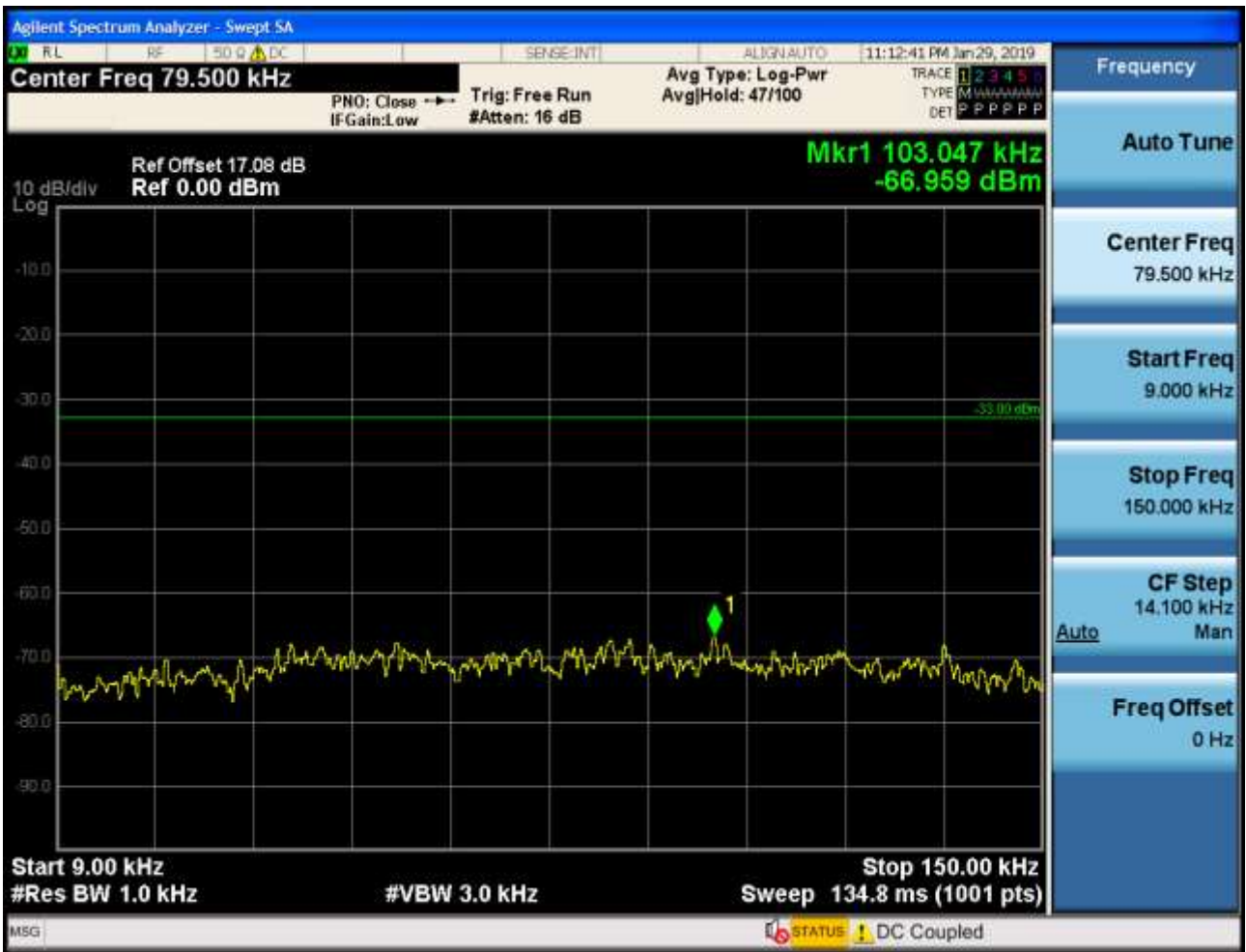
##### 6.1.1 Test Band = Band17

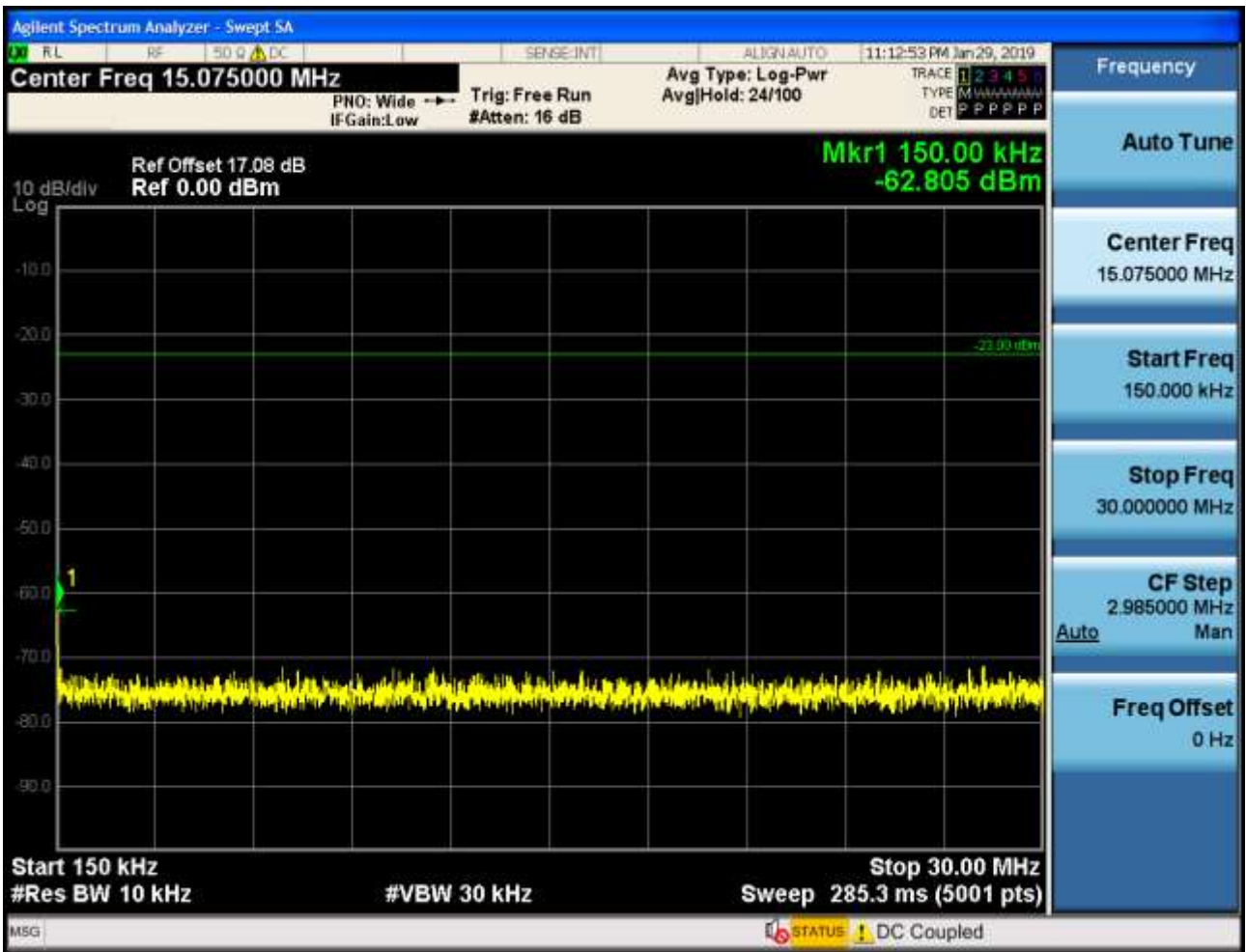
##### 6.1.1.1 Test Mode = LTE/TM1

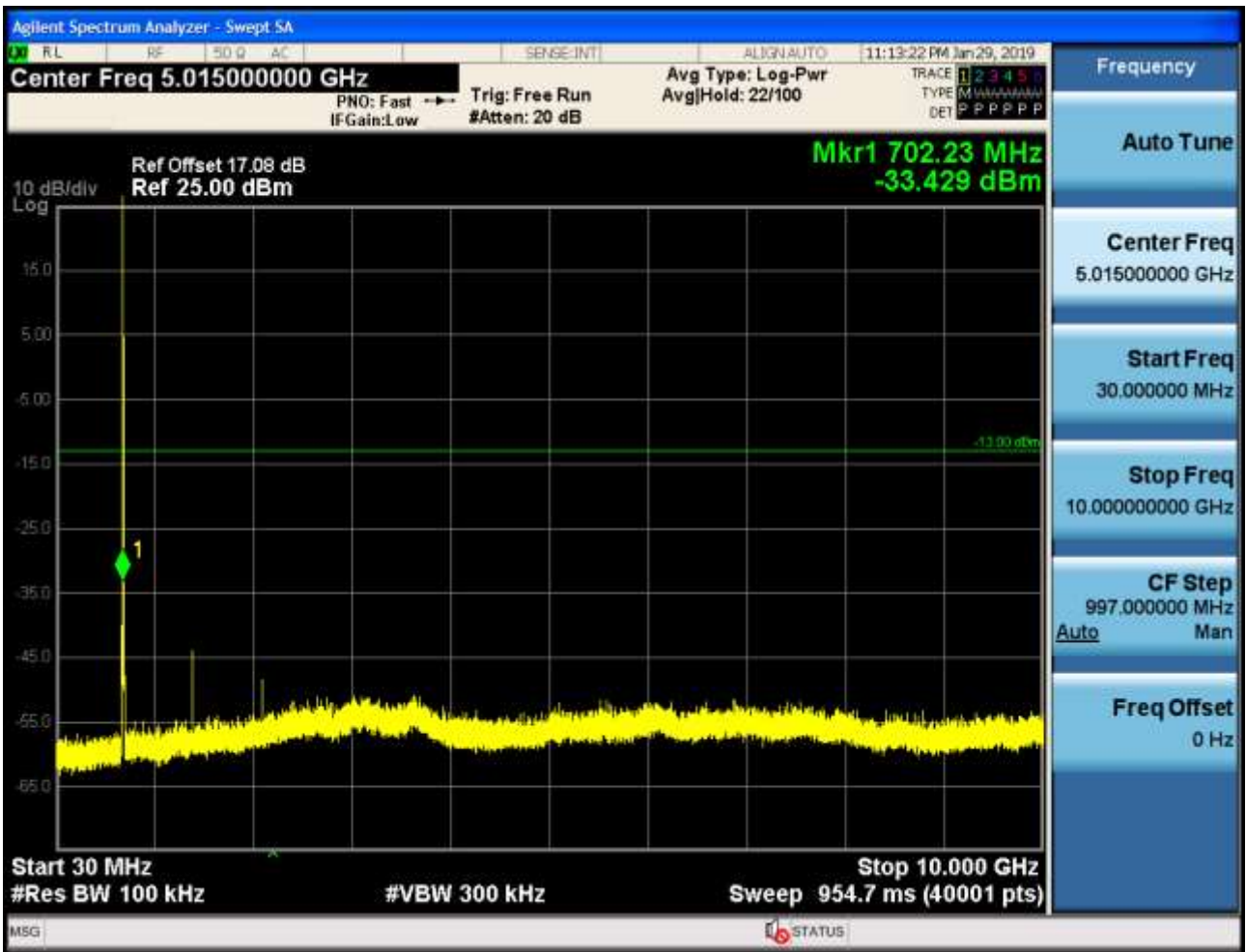
##### 6.2.1.1.1 Test Bandwidth = 5

##### 6.2.1.1.1.1 Test Channel = LCH

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



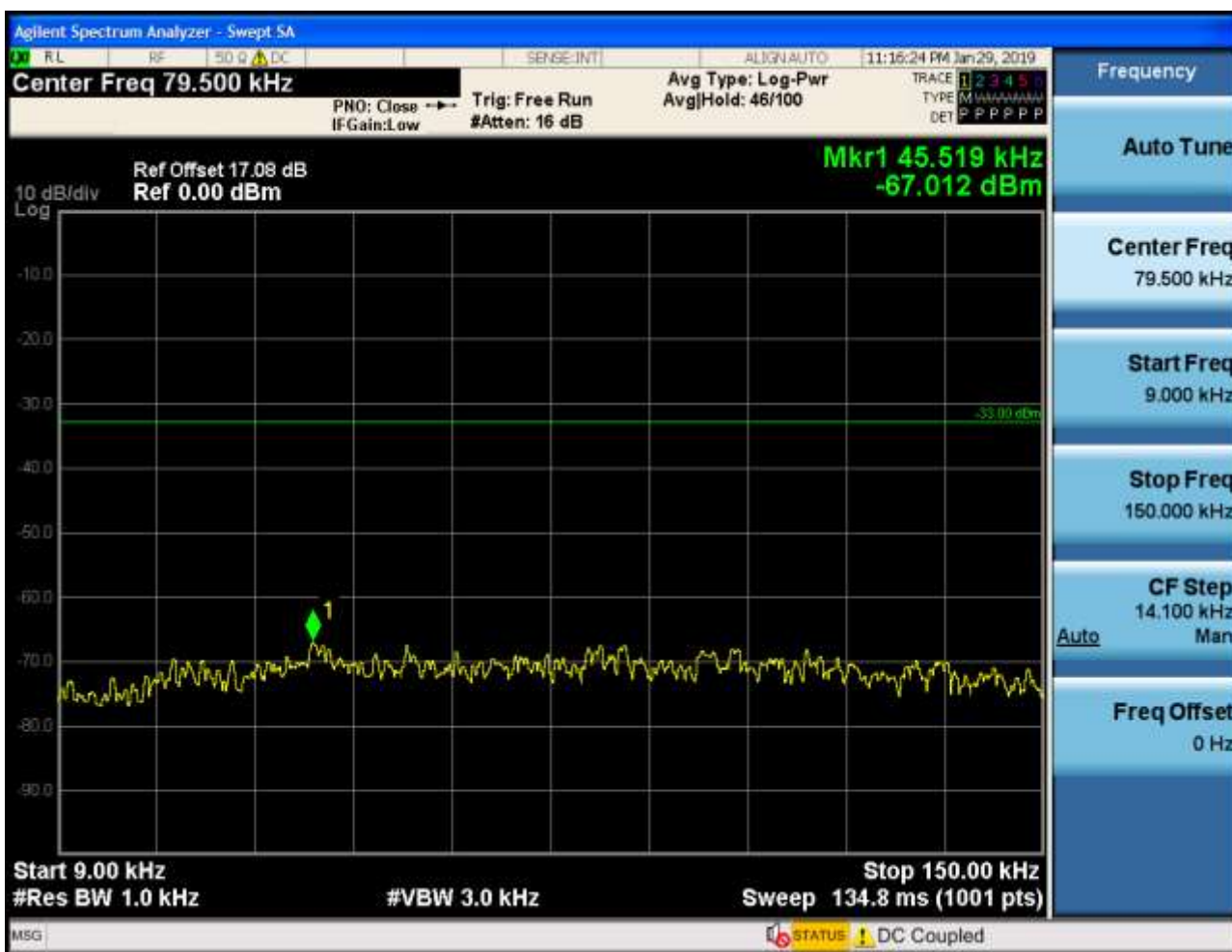




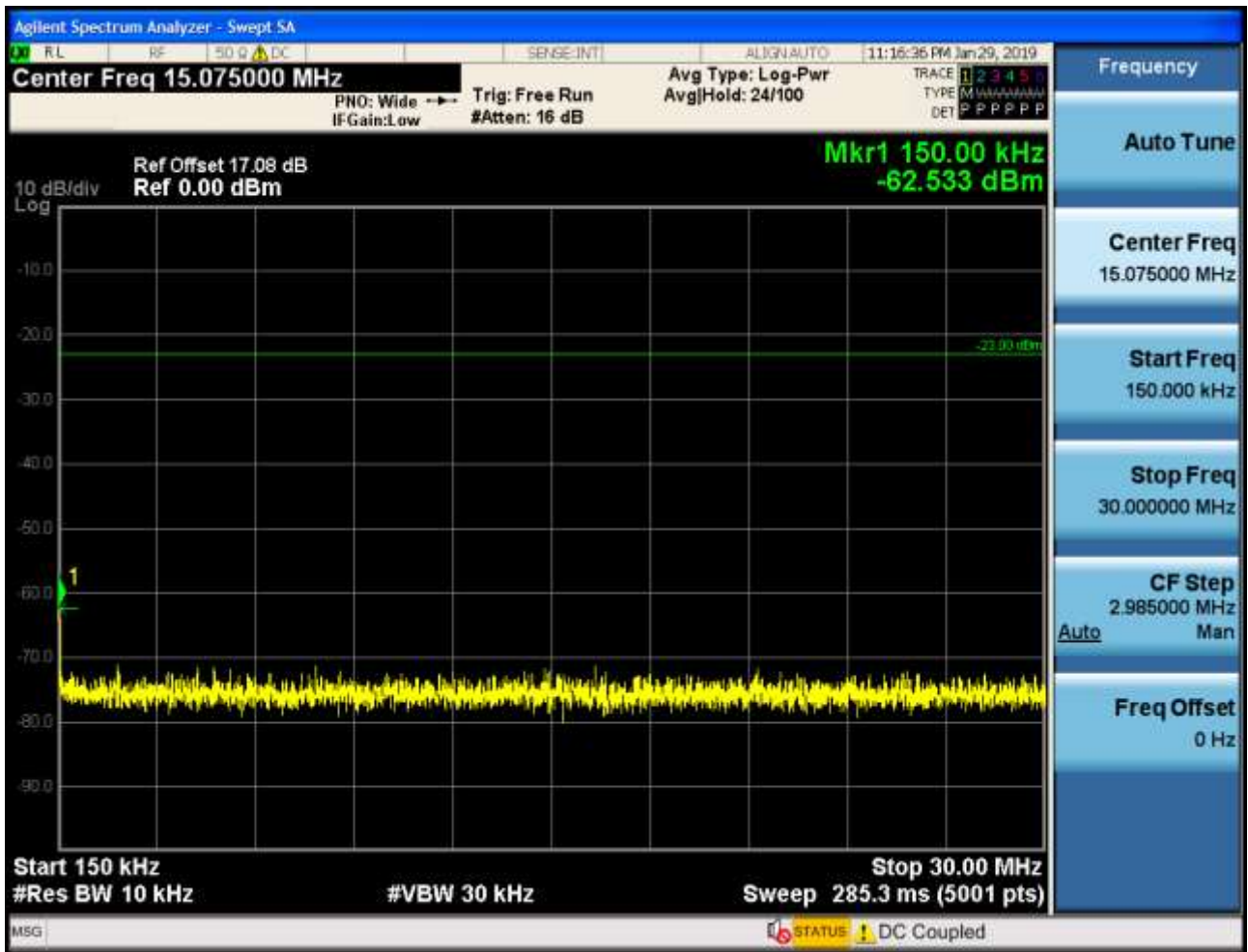


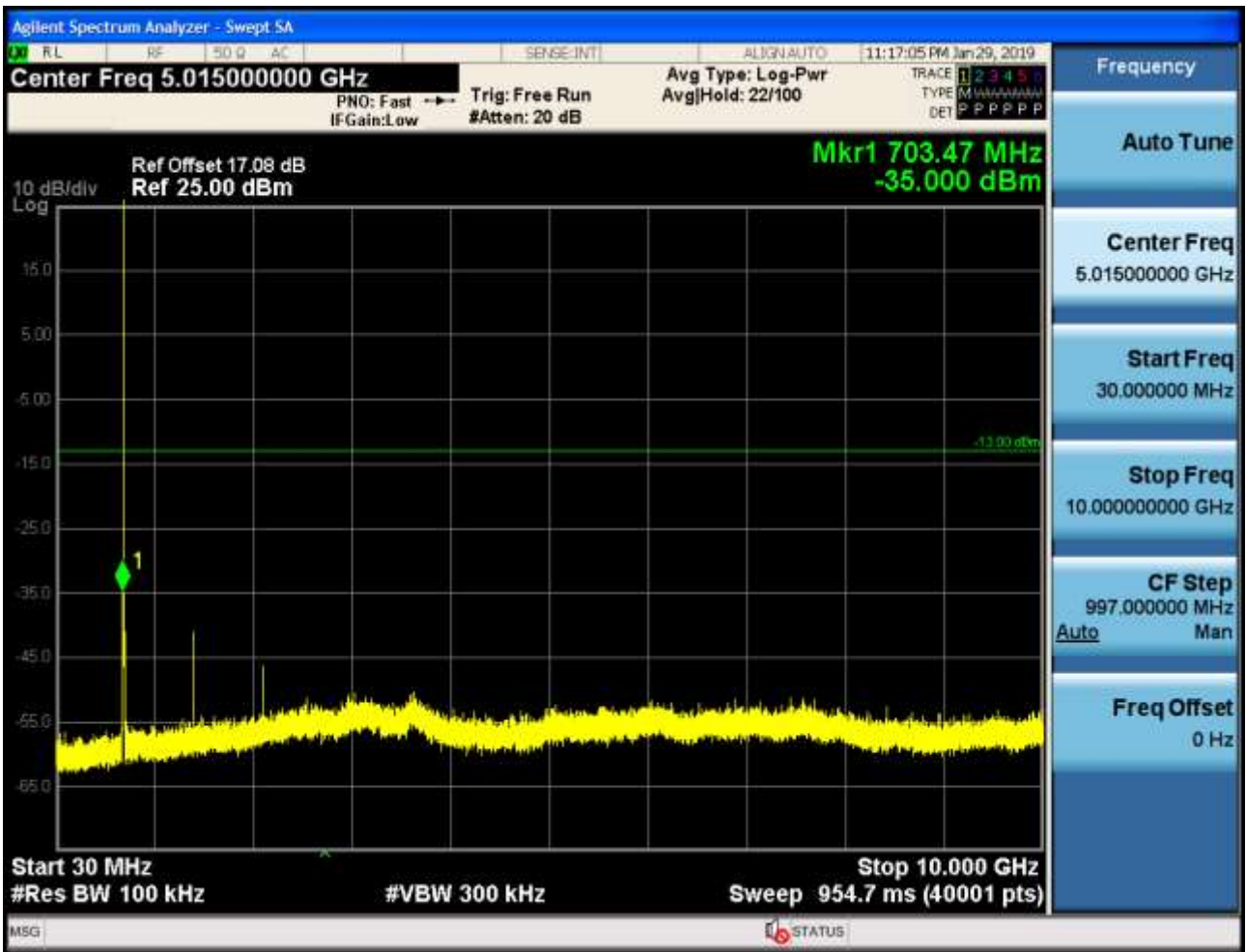
### 6.2.1.1.1.2 Test Channel = MCH

#### 6.2.1.1.1.2.1 Test RB = RB1#0





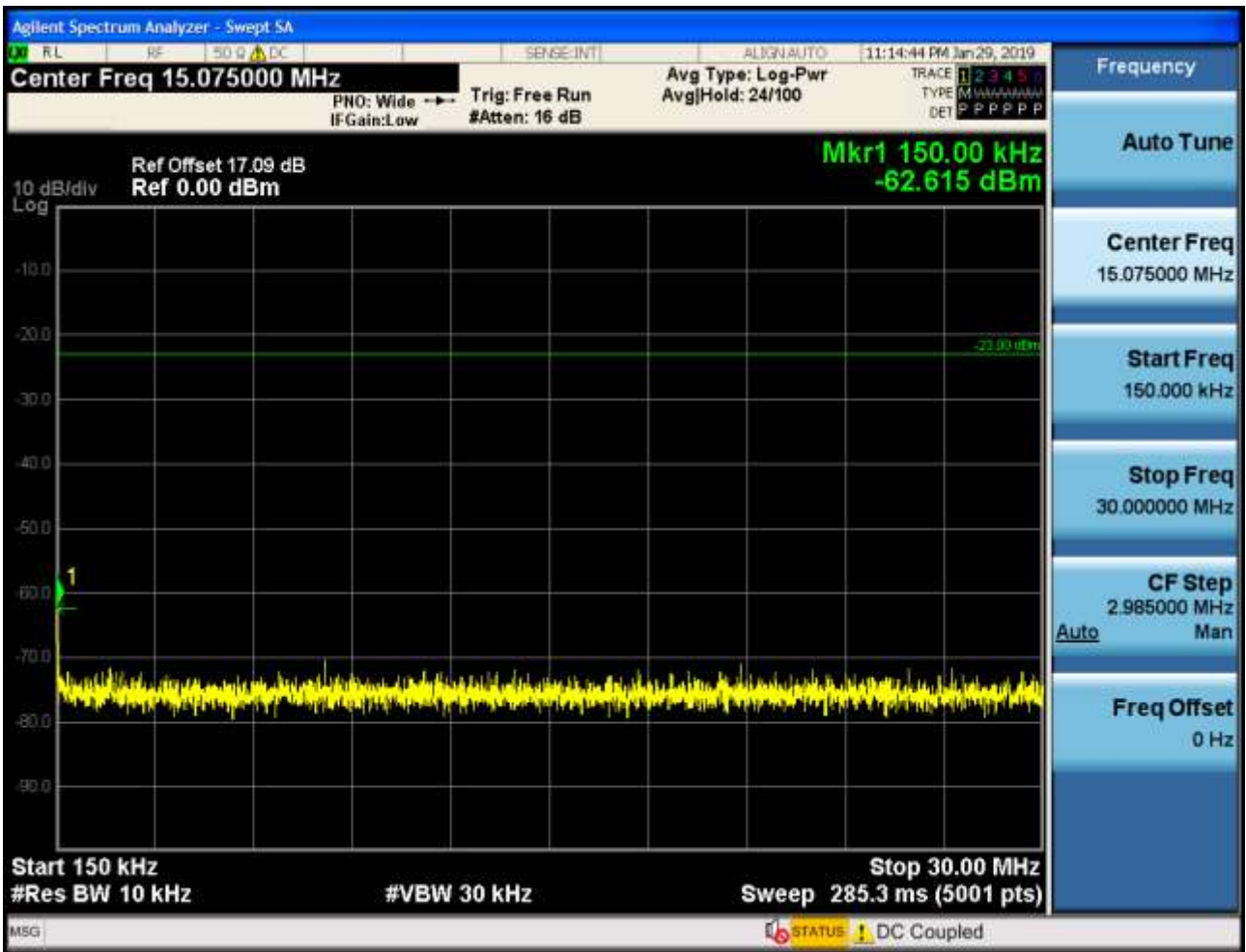


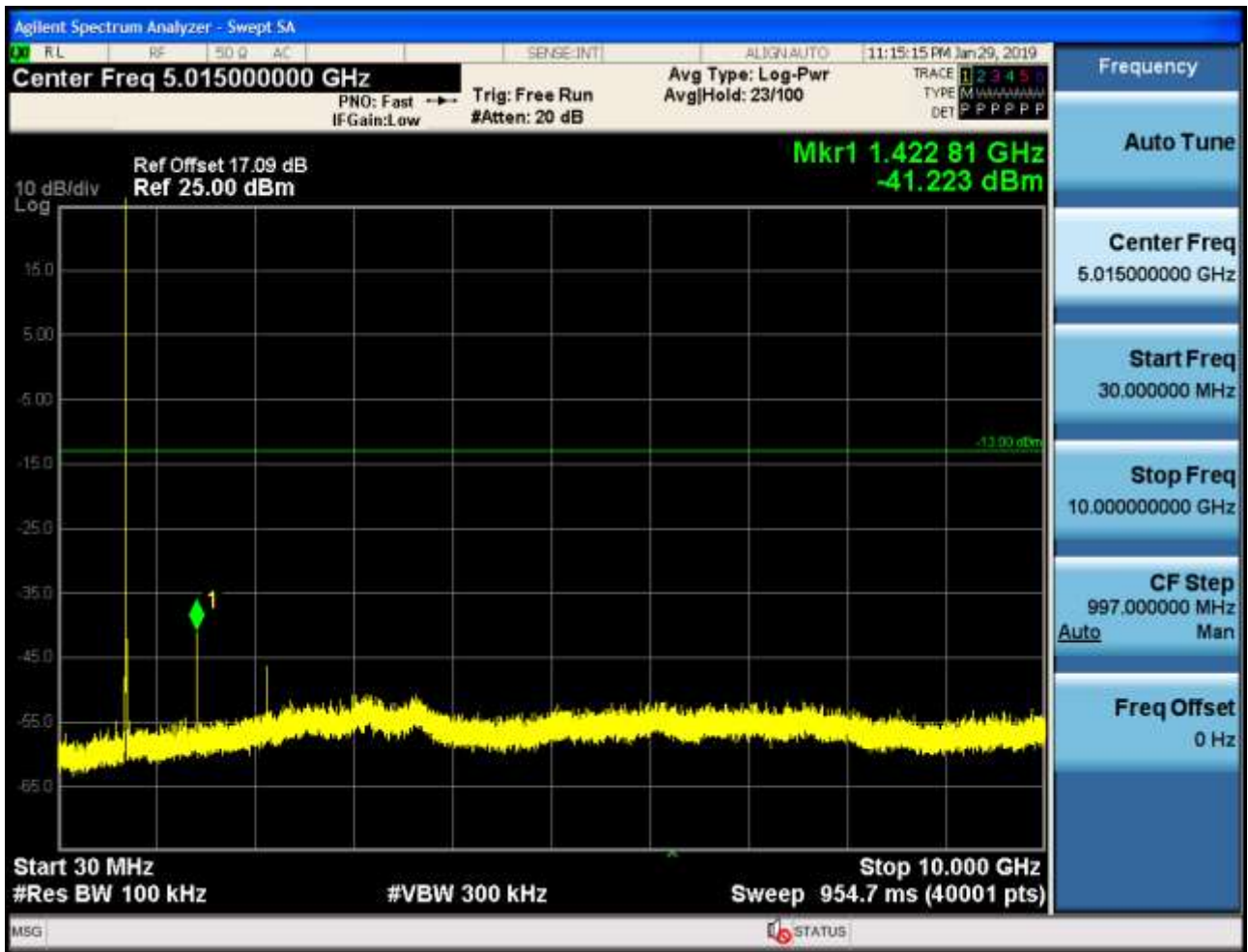


## 6.2.1.1.1.3 Test Channel = HCH

## 6.2.1.1.1.3.1 Test RB = RB1#0





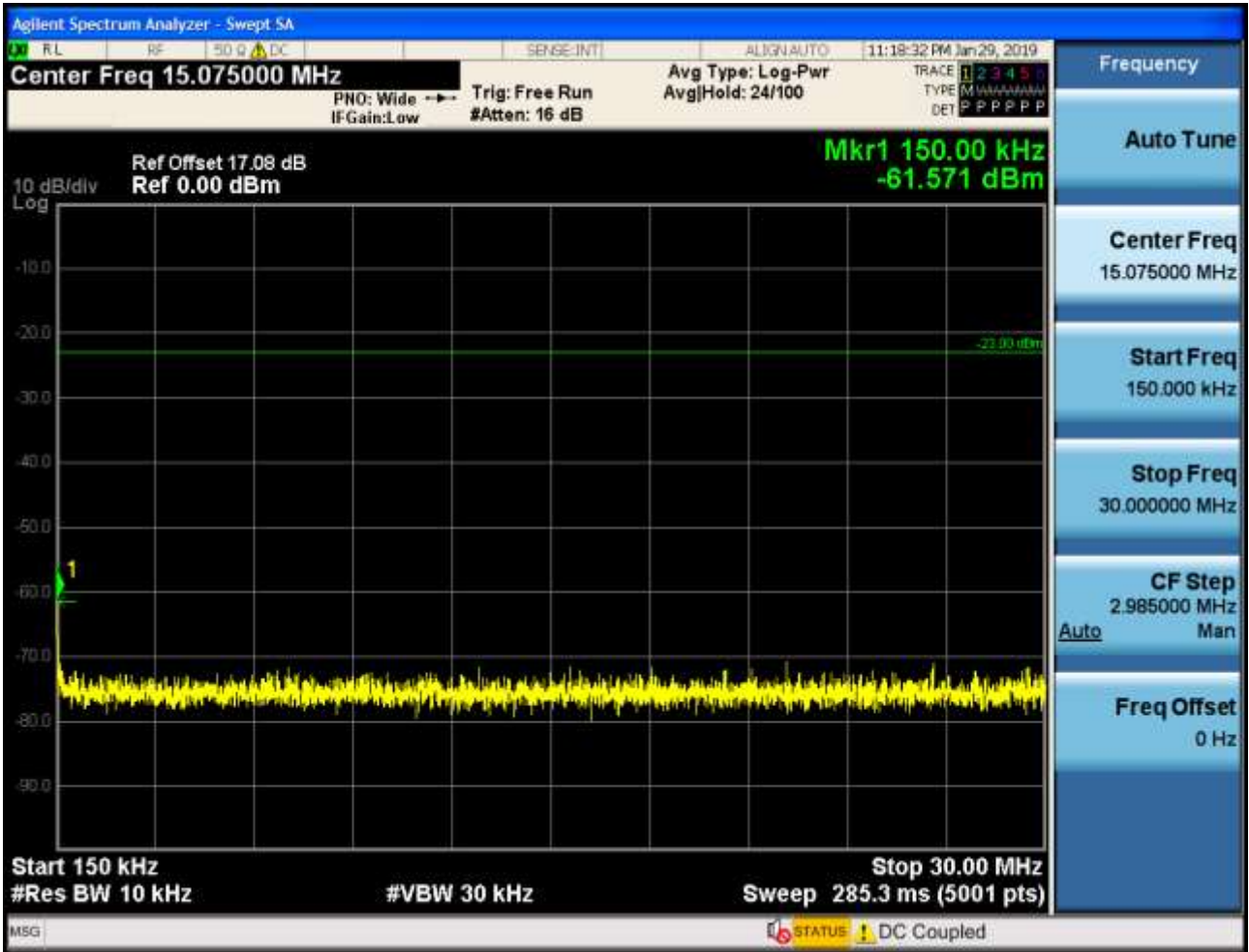


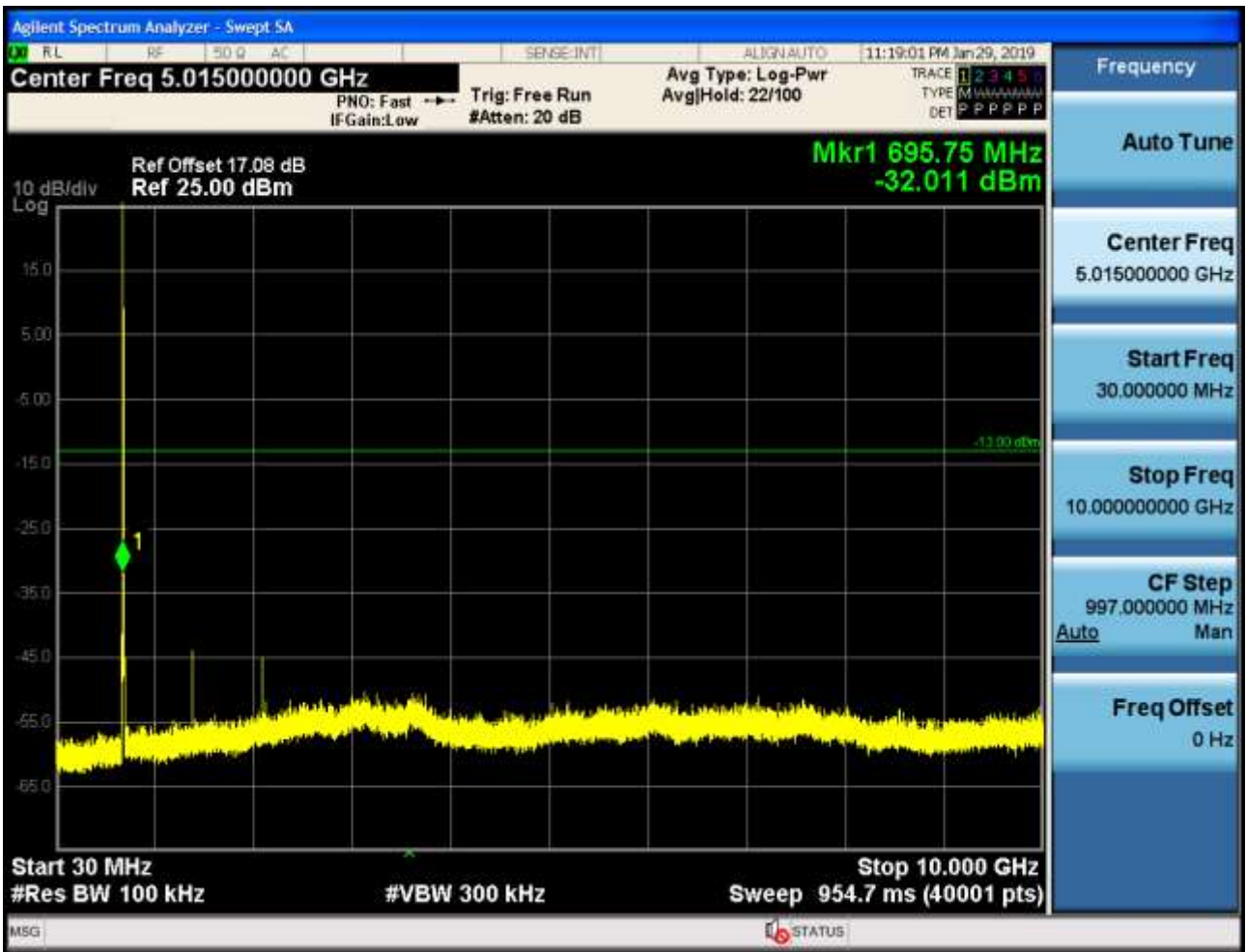
## 6.2.1.1.2 Test Bandwidth = 10

## 6.2.1.1.2.1 Test Channel = LCH

## 6.2.1.1.2.1.1 Test RB = RB1#0





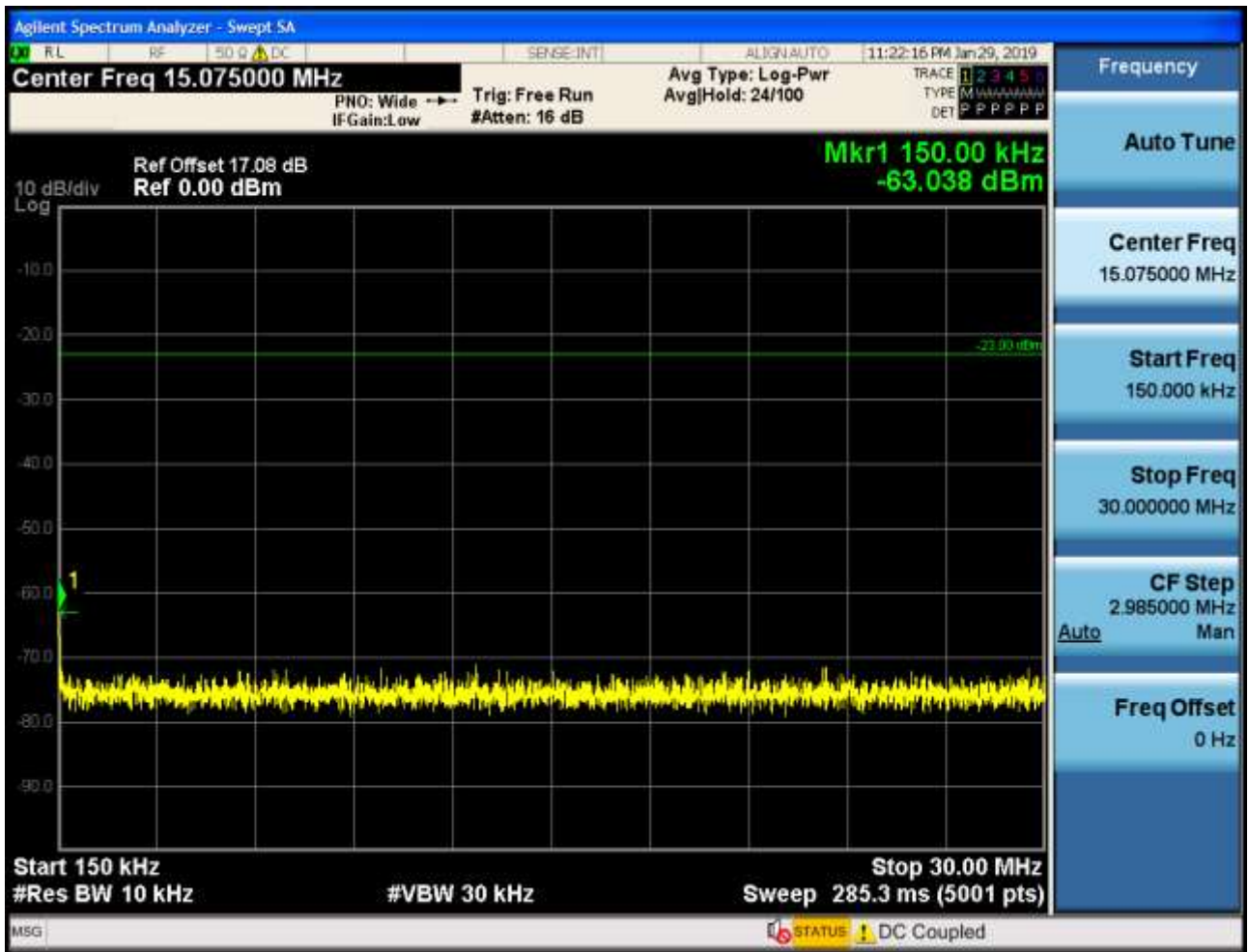


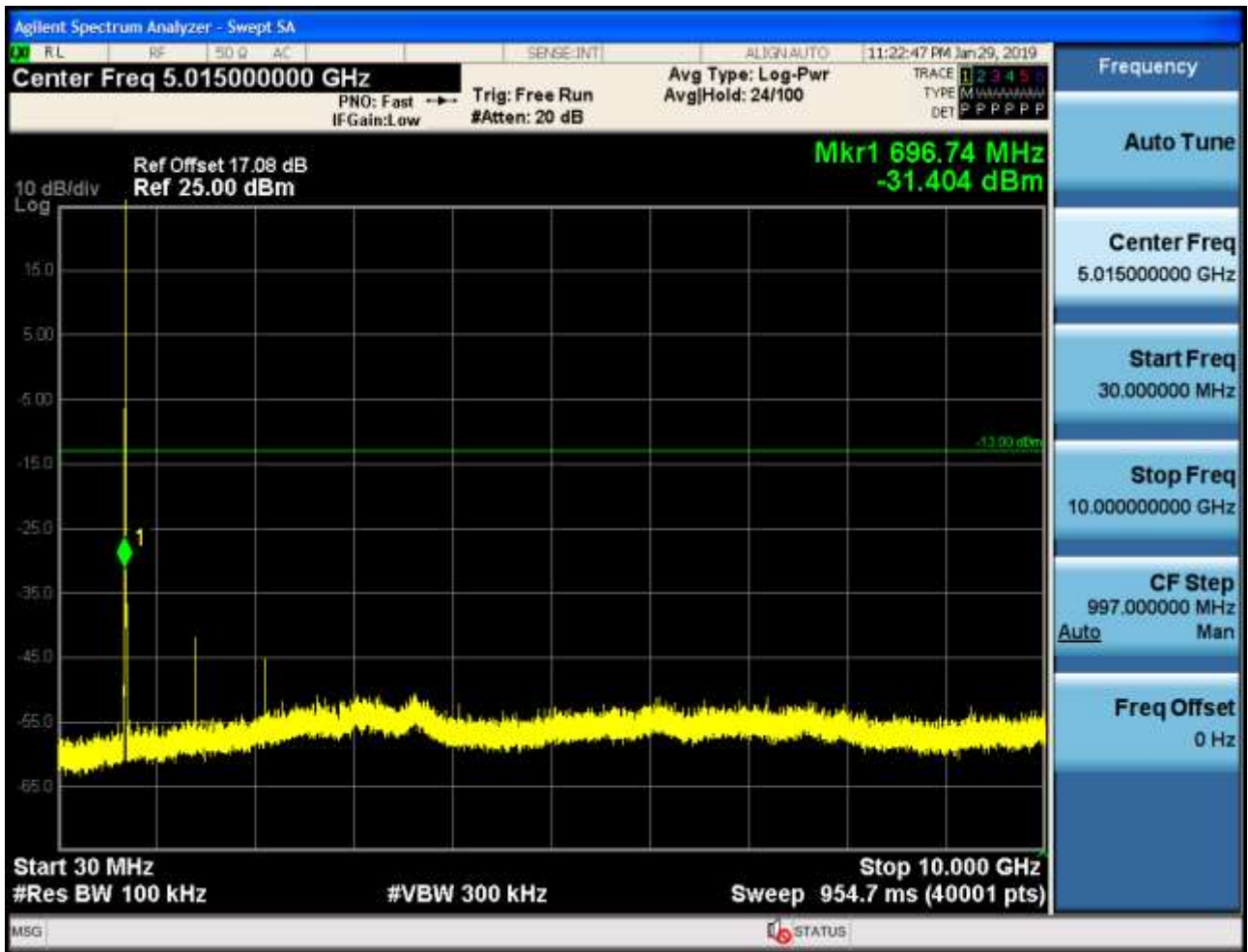


## 6.2.1.1.2.2 Test Channel = MCH

## 6.2.1.1.2.2.1 Test RB = RB1#0



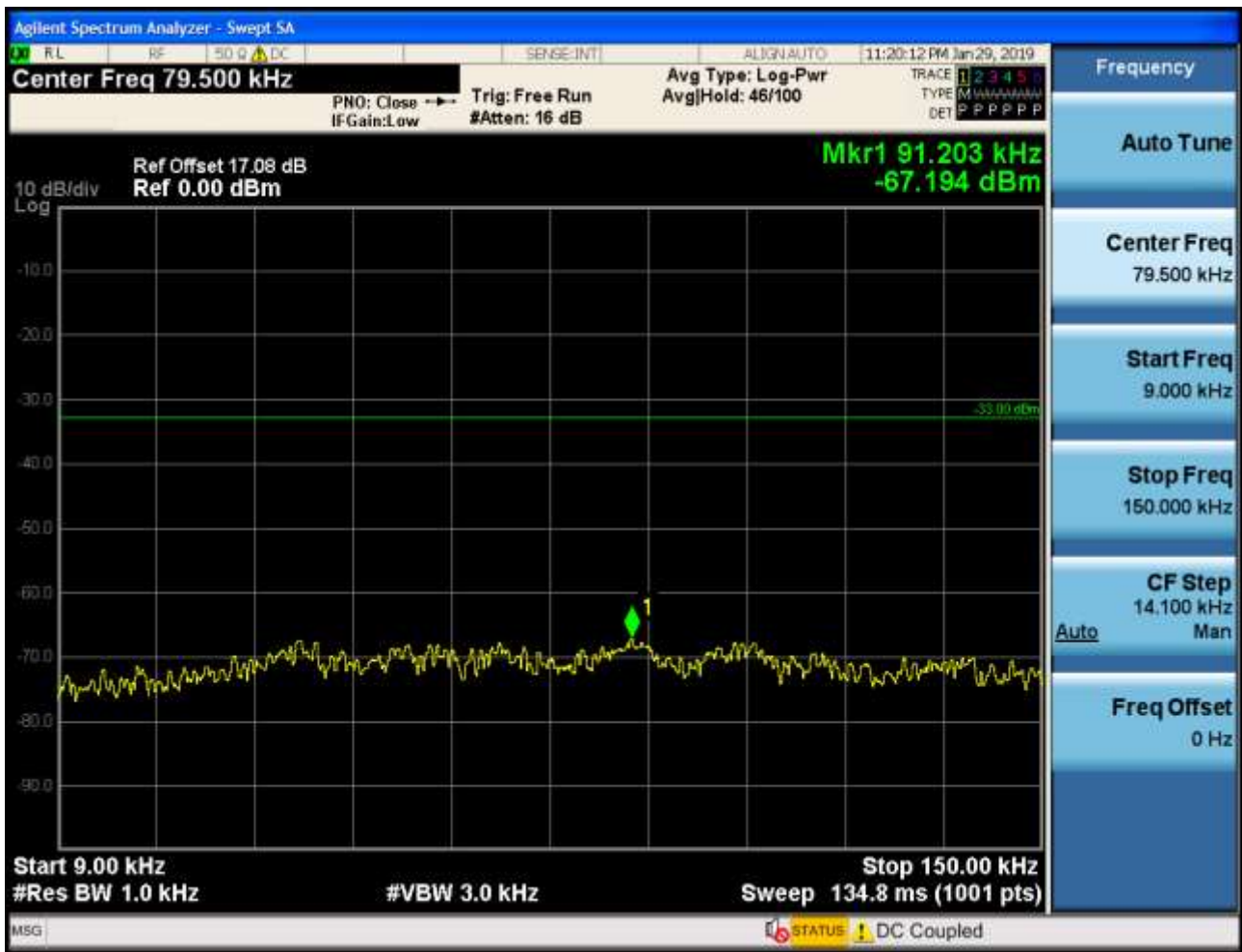


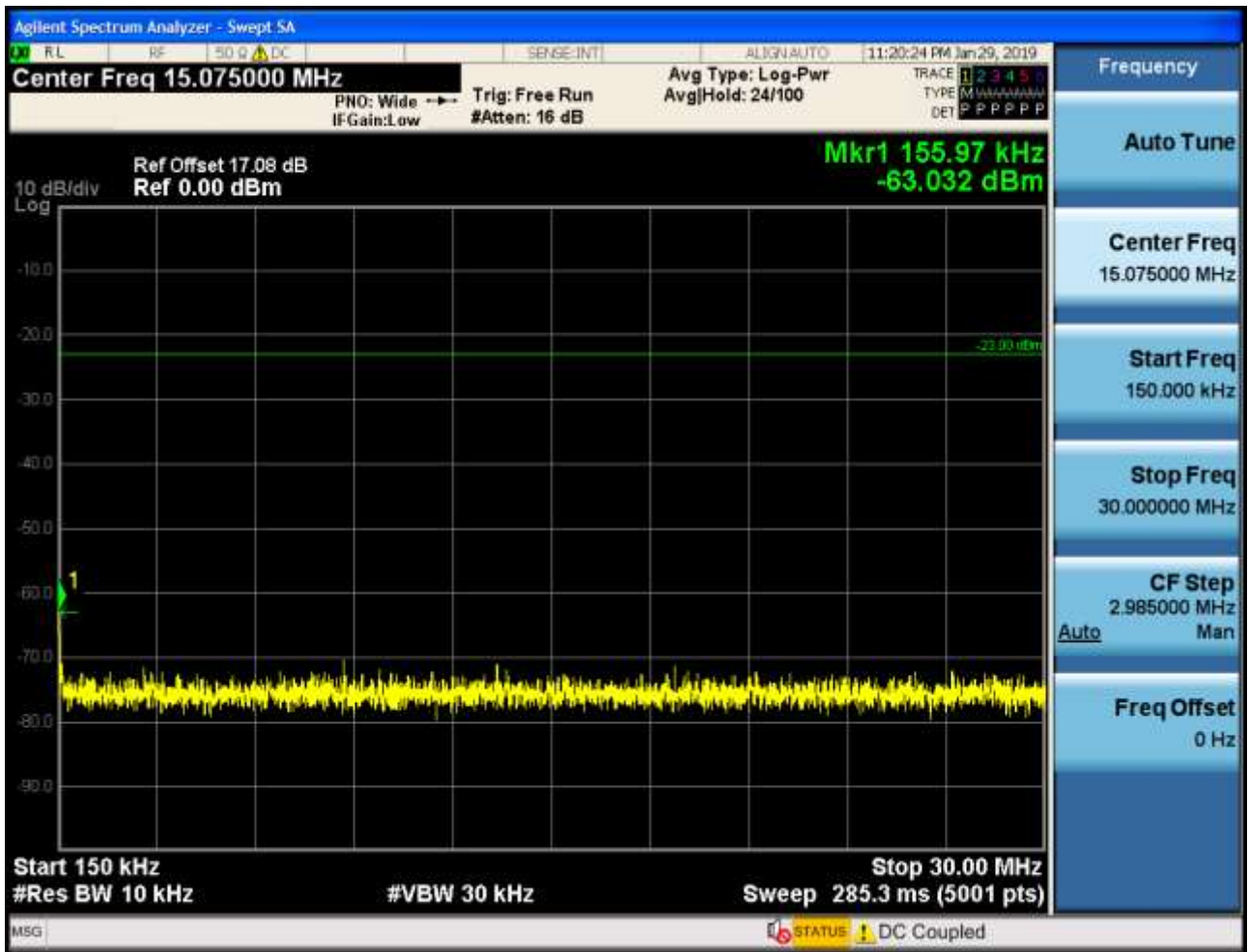


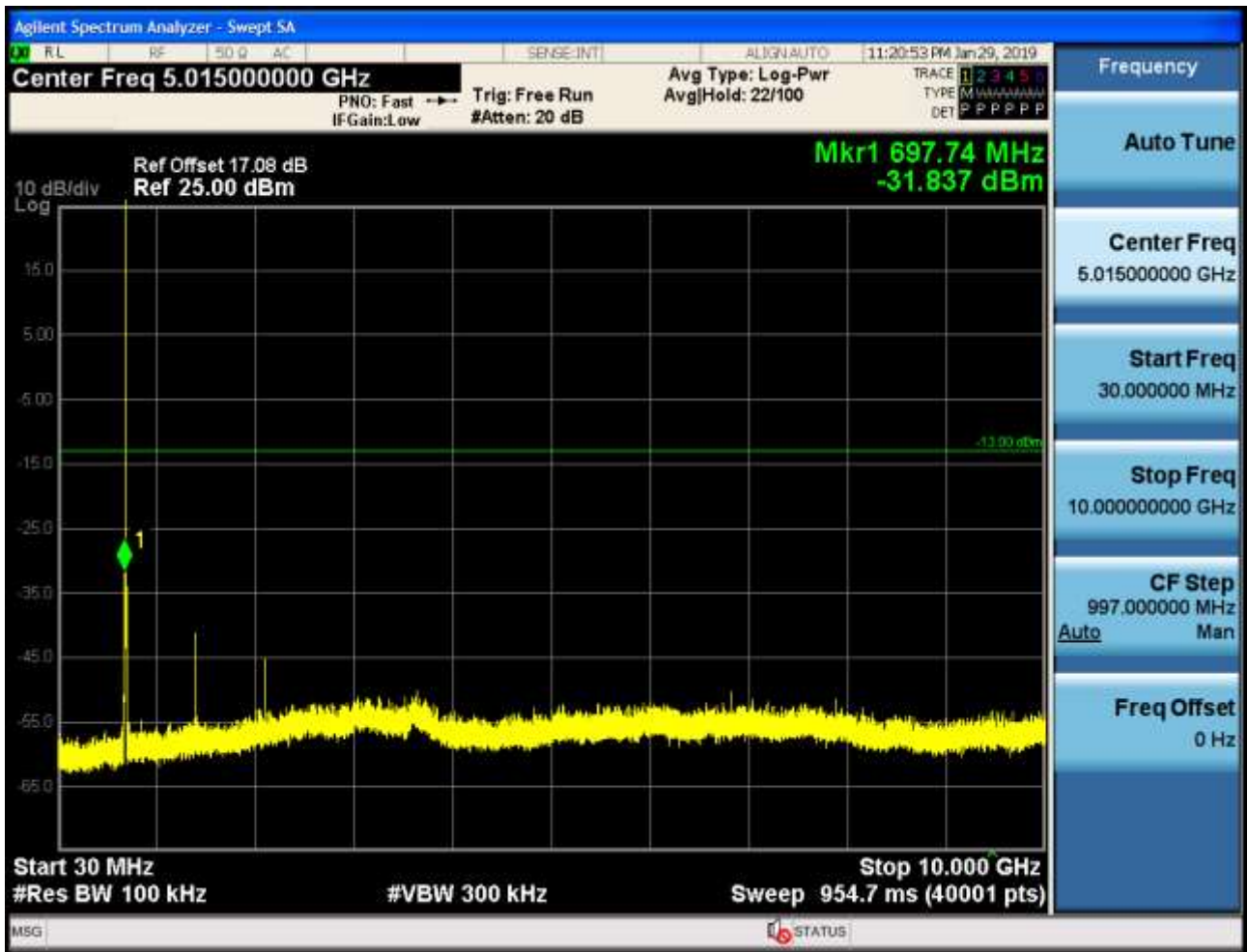


6.2.1.1.2.3 Test Channel = HCH

6.2.1.1.2.3.1 Test RB = RB1#0







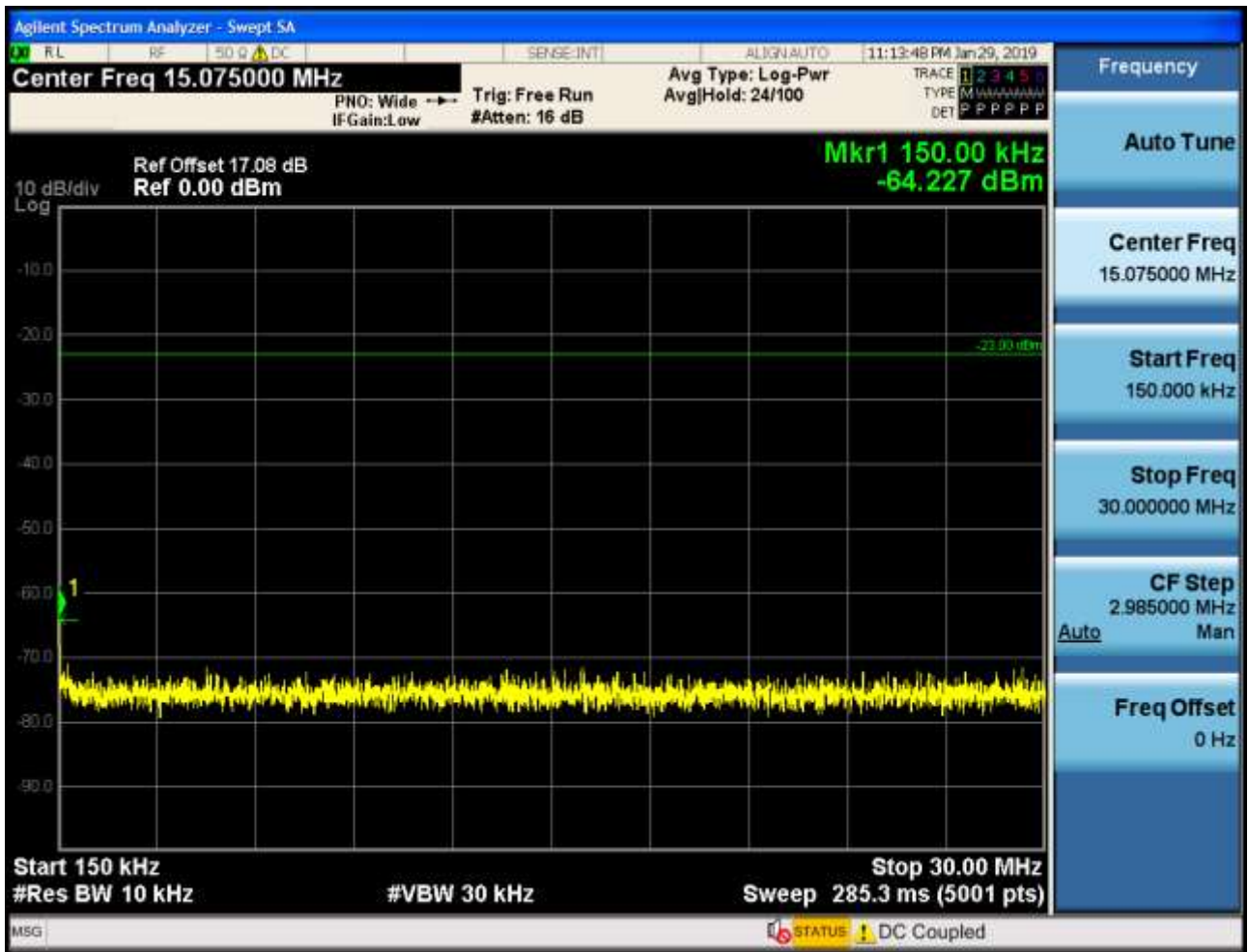
## 6.2.1.2 Test Mode = LTE/TM2

### 6.2.1.2.1 Test Bandwidth = 5

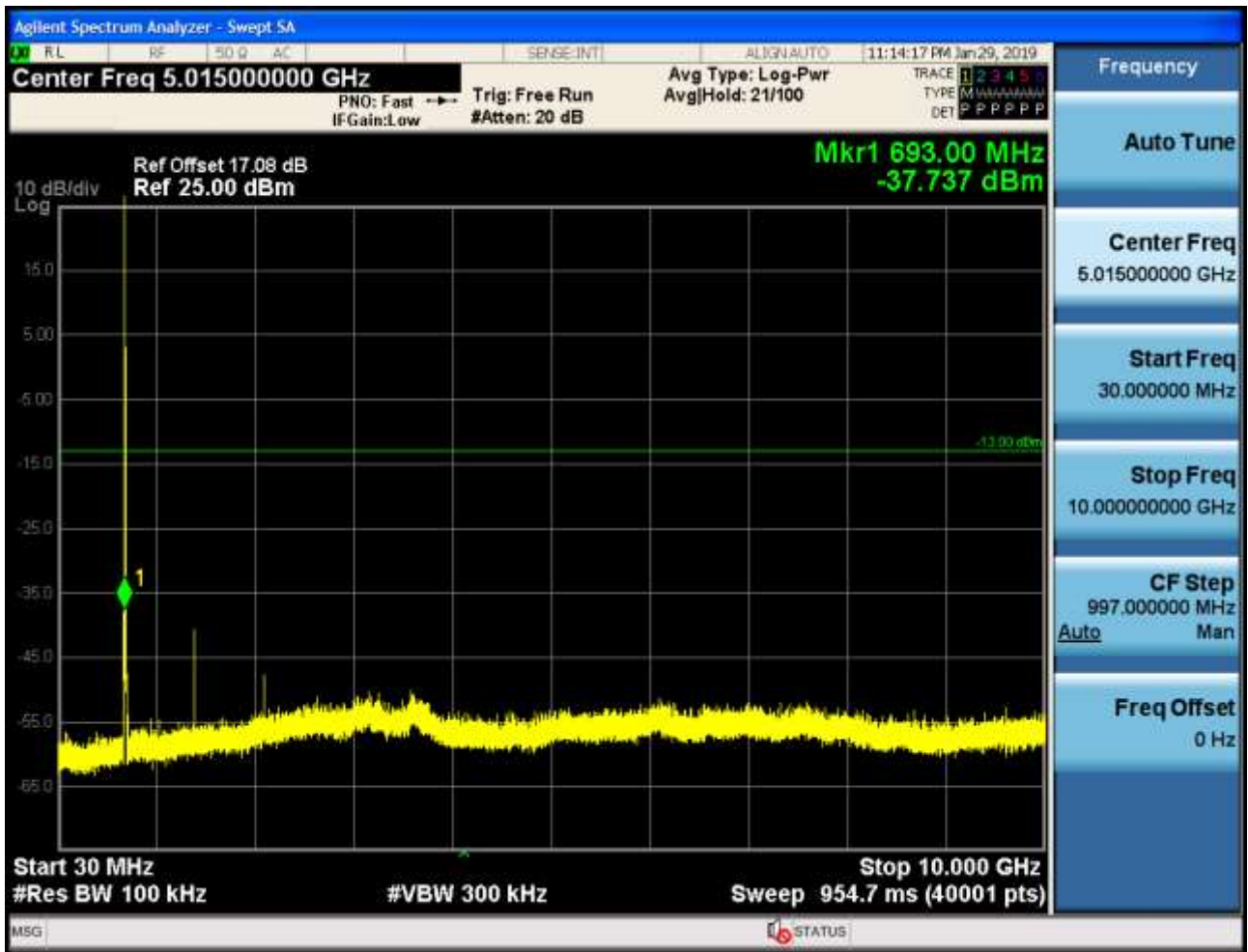
#### 6.2.1.2.1.1 Test Channel = LCH

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





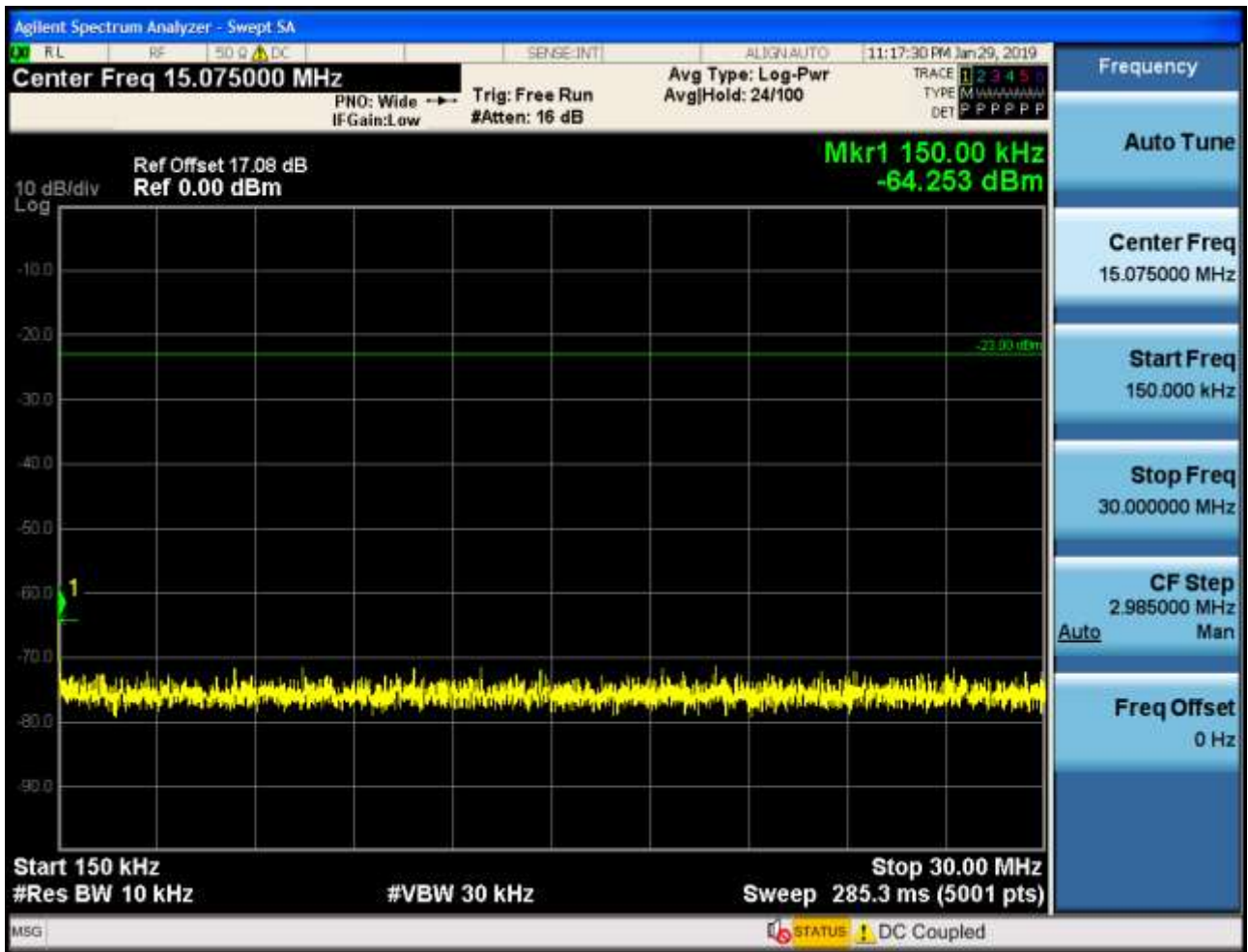


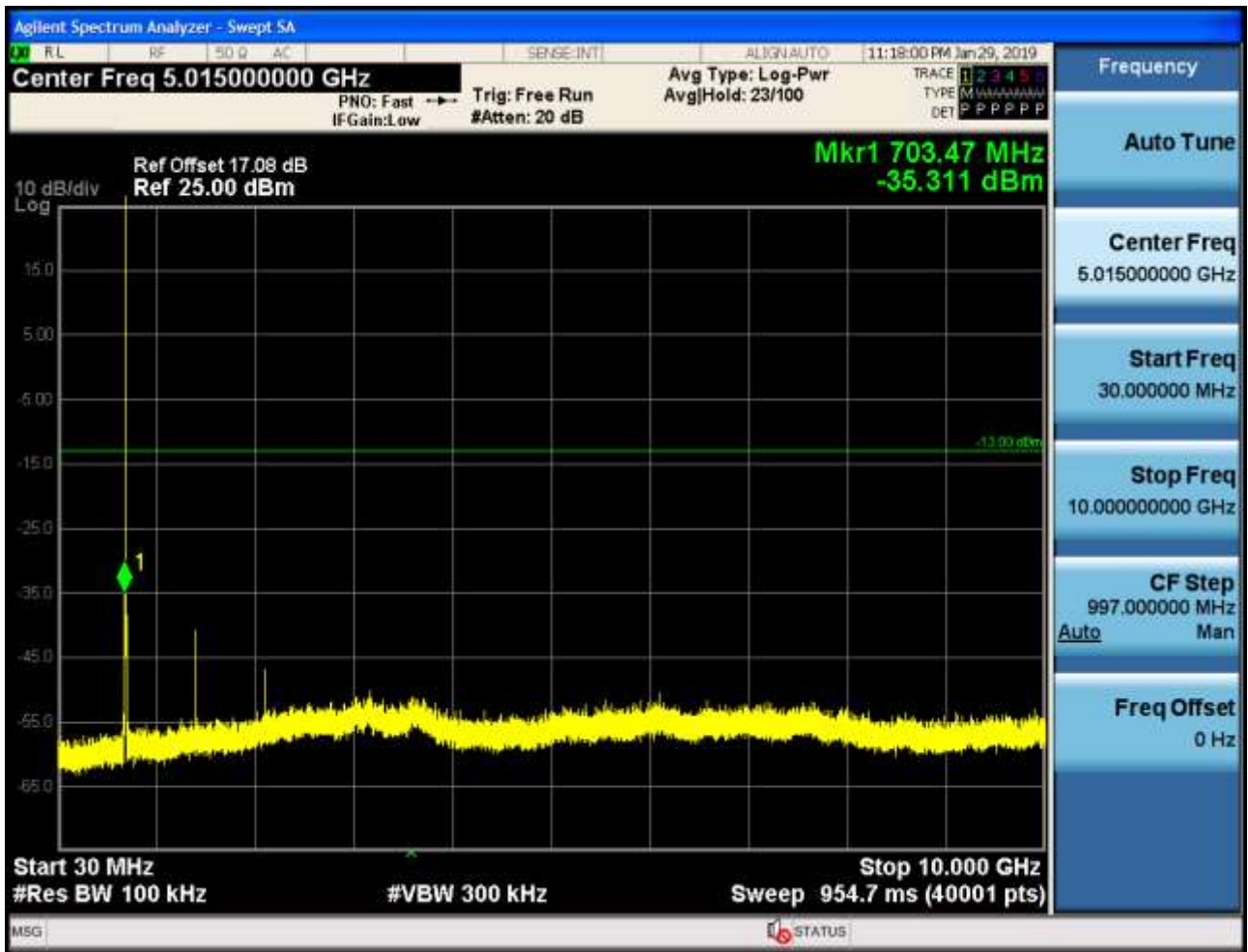


## 6.2.1.2.1.2 Test Channel = MCH

## 6.2.1.2.1.2.1 Test RB = RB1#0



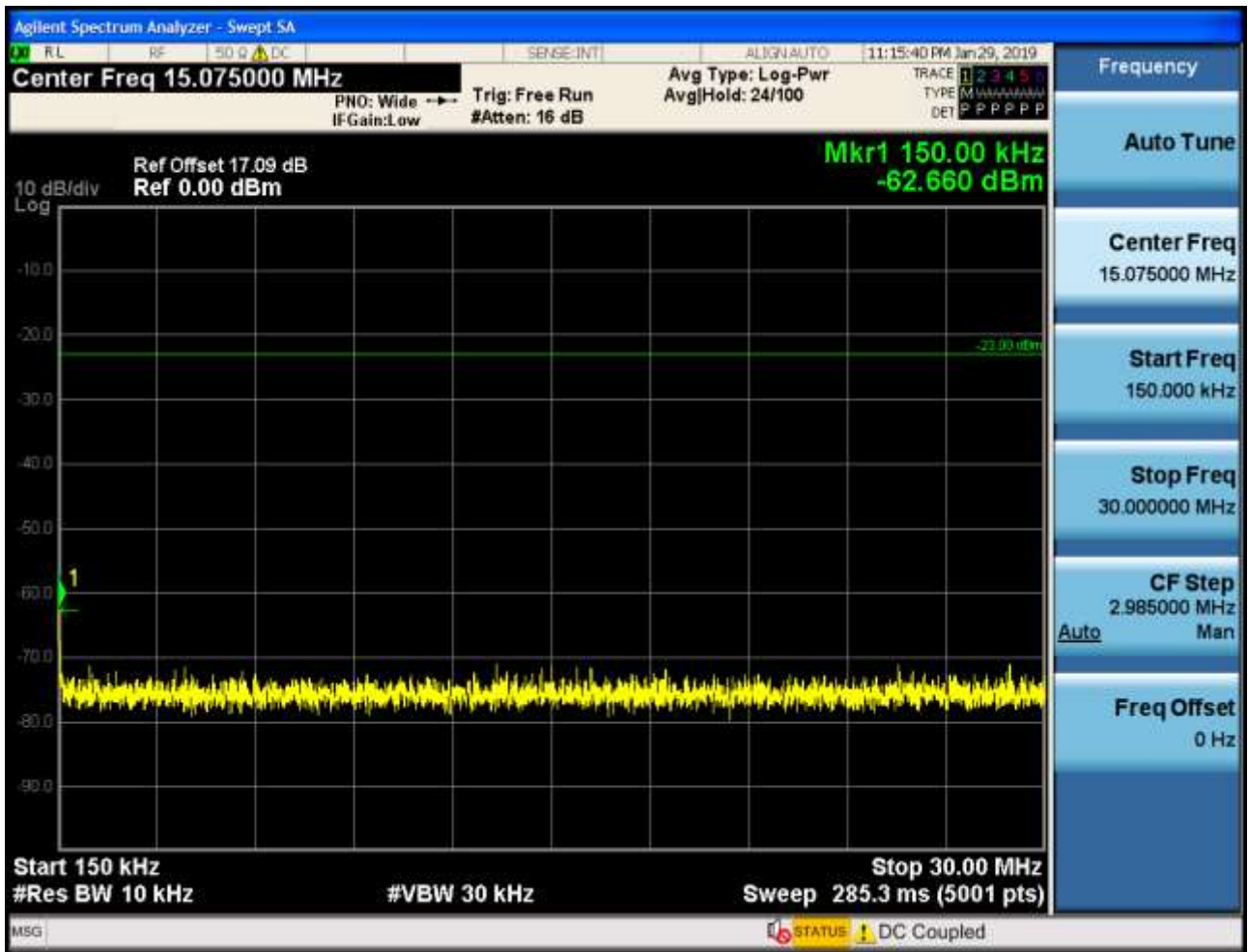


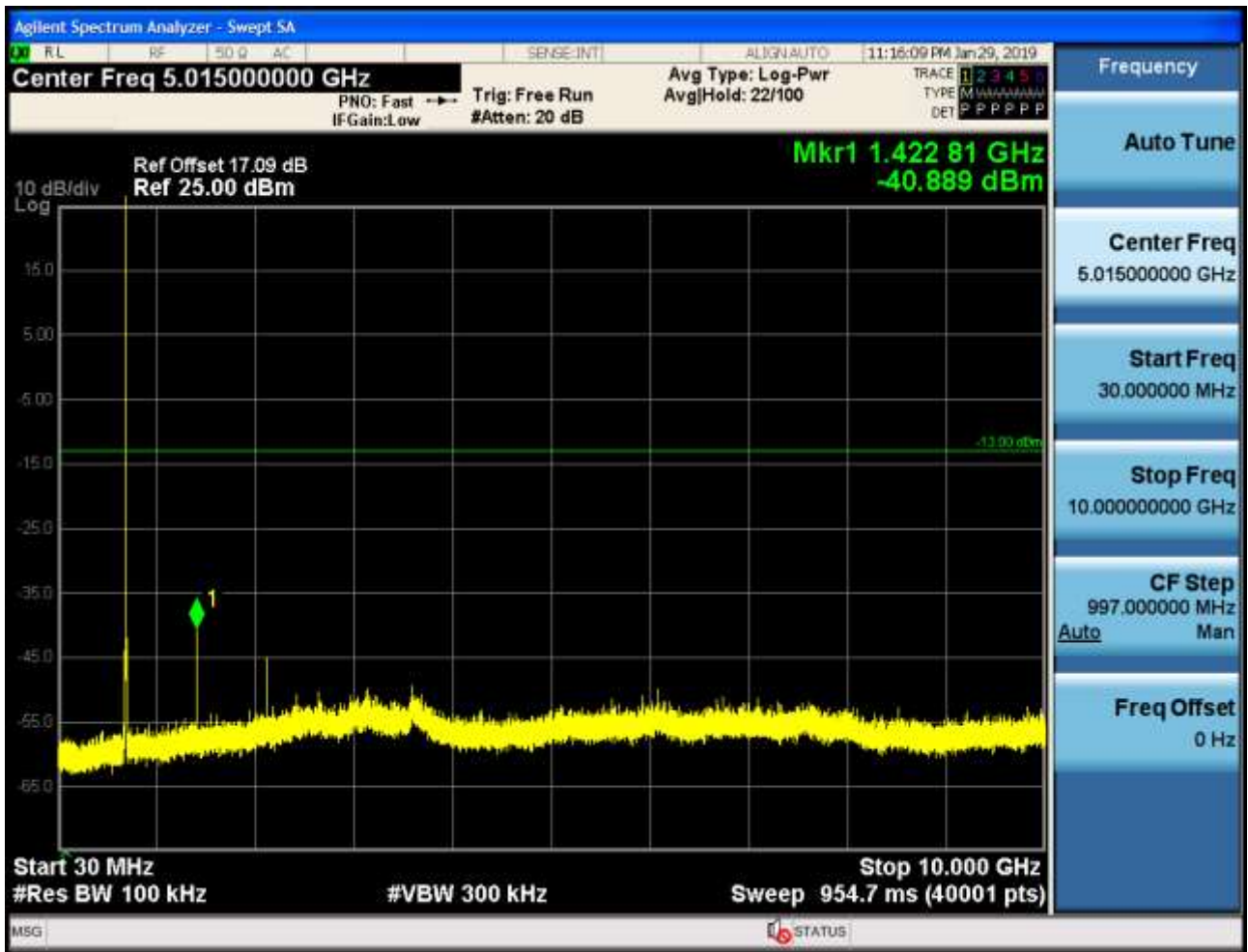


## 6.2.1.2.1.3 Test Channel = HCH

## 6.2.1.2.1.3.1 Test RB = RB1#0







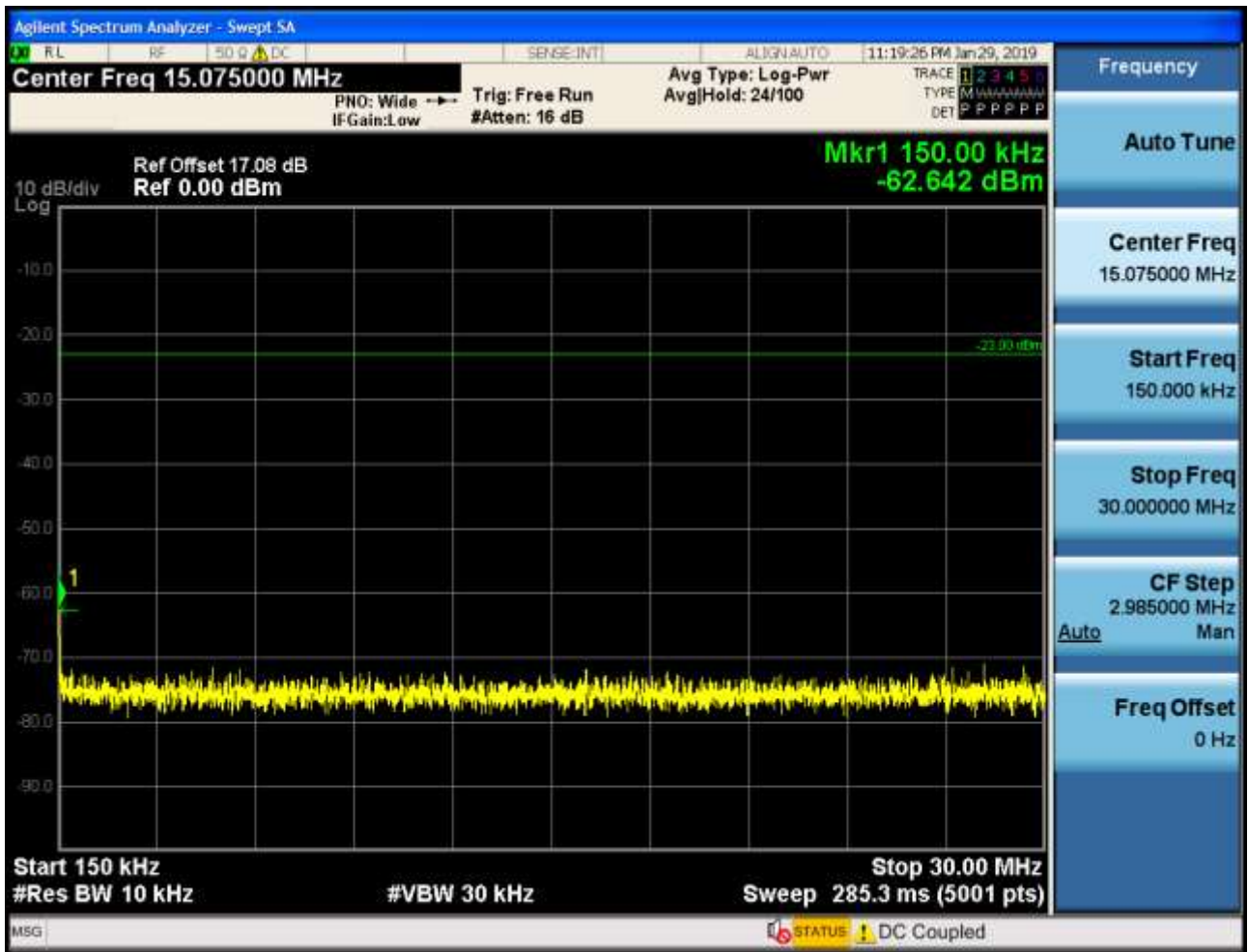
### 6.2.1.2.2 Test Bandwidth = 10

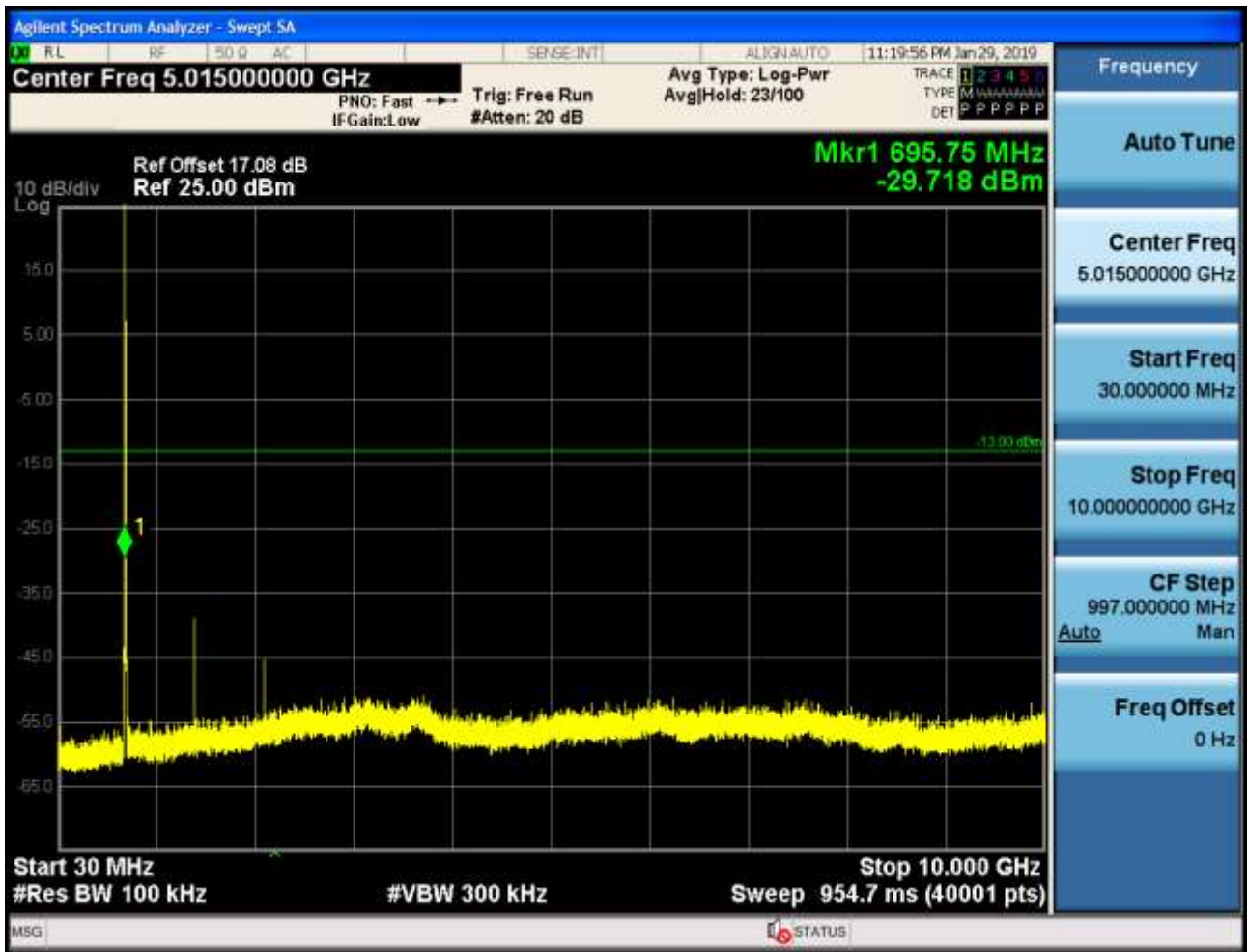
#### 6.2.1.2.2.1 Test Channel = LCH

##### 6.2.1.2.2.1.1 Test RB = RB1#0





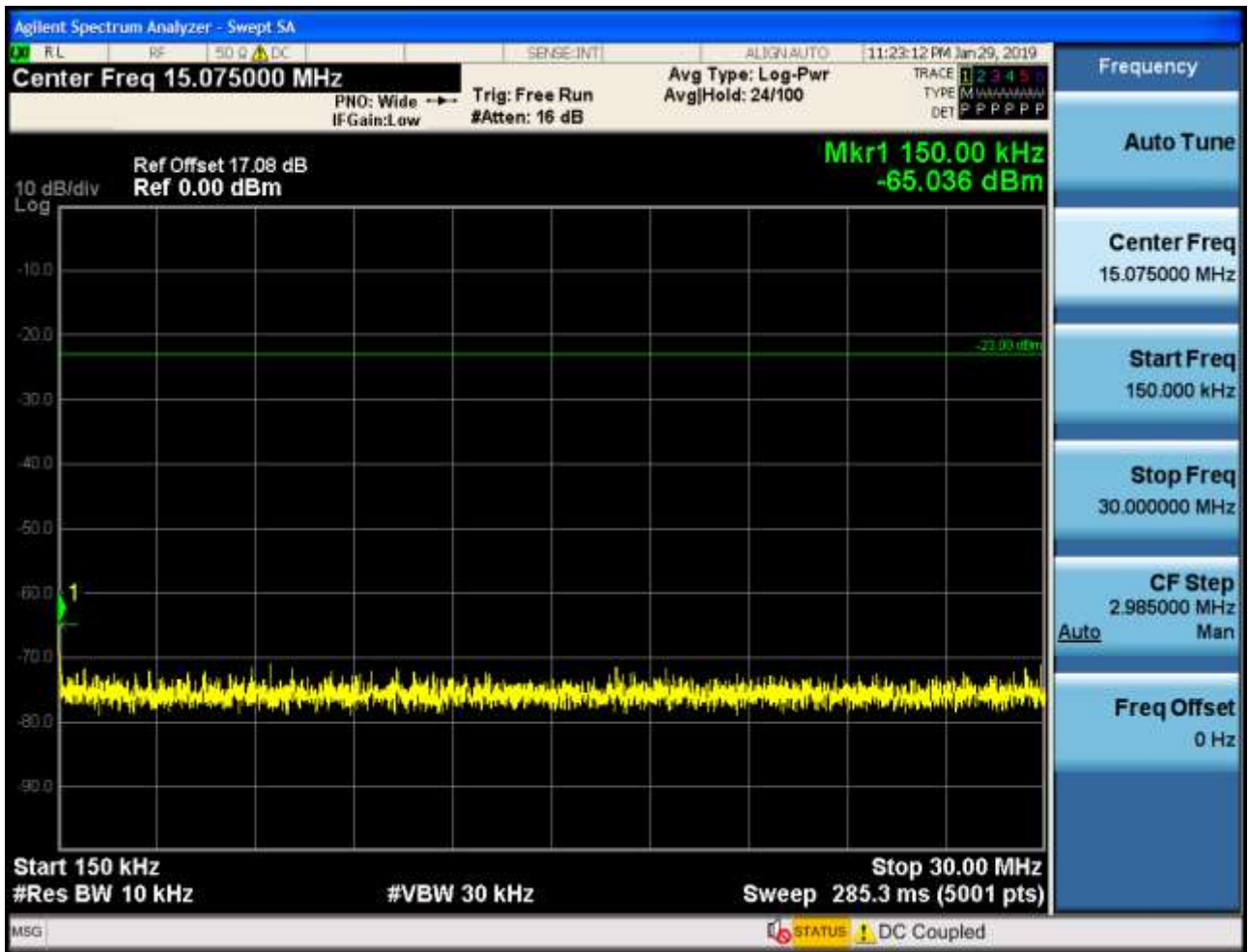


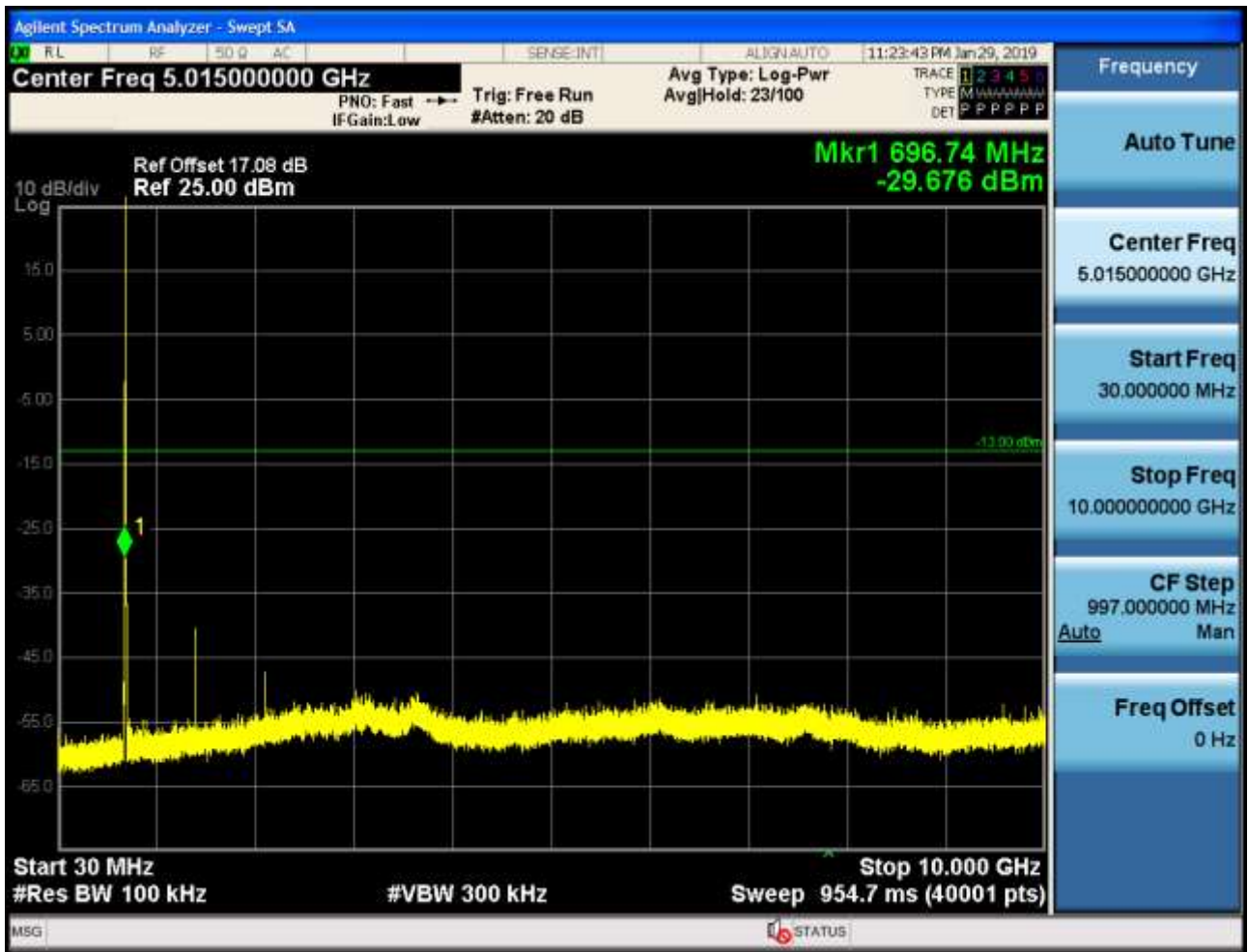


## 6.2.1.2.2.2 Test Channel = MCH

## 6.2.1.2.2.1 Test RB = RB1#0



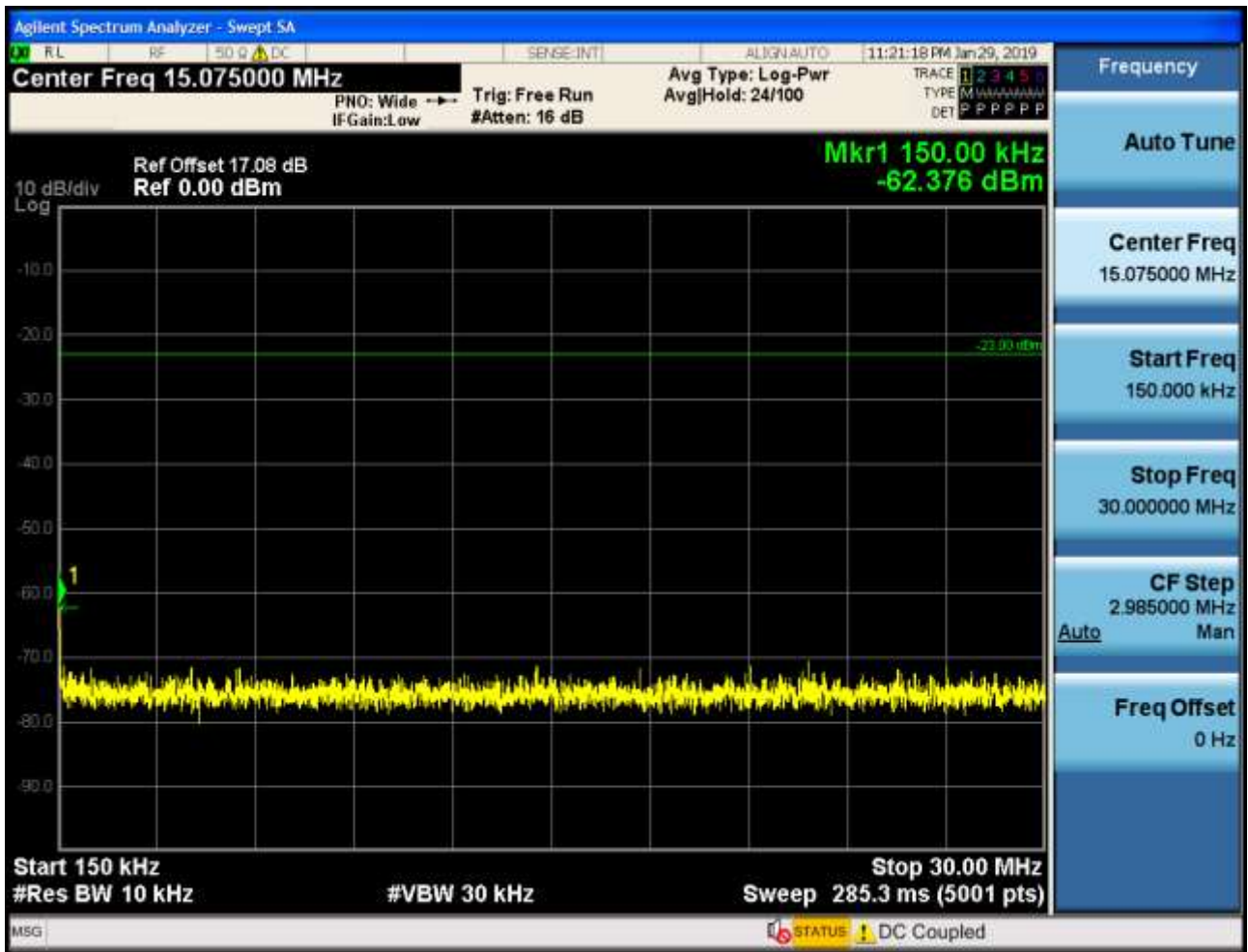


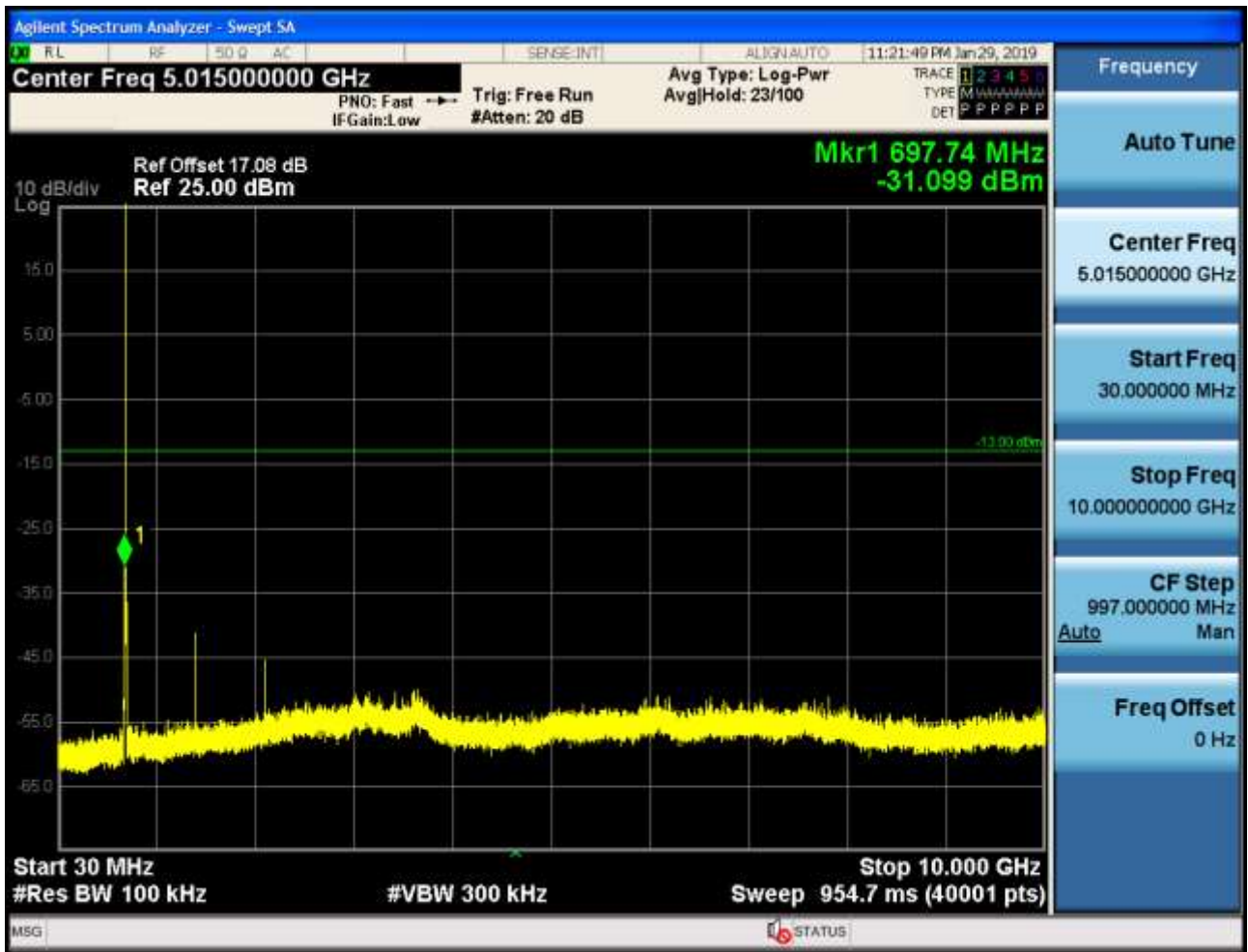


## 6.2.1.2.2.3 Test Channel = HCH

## 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

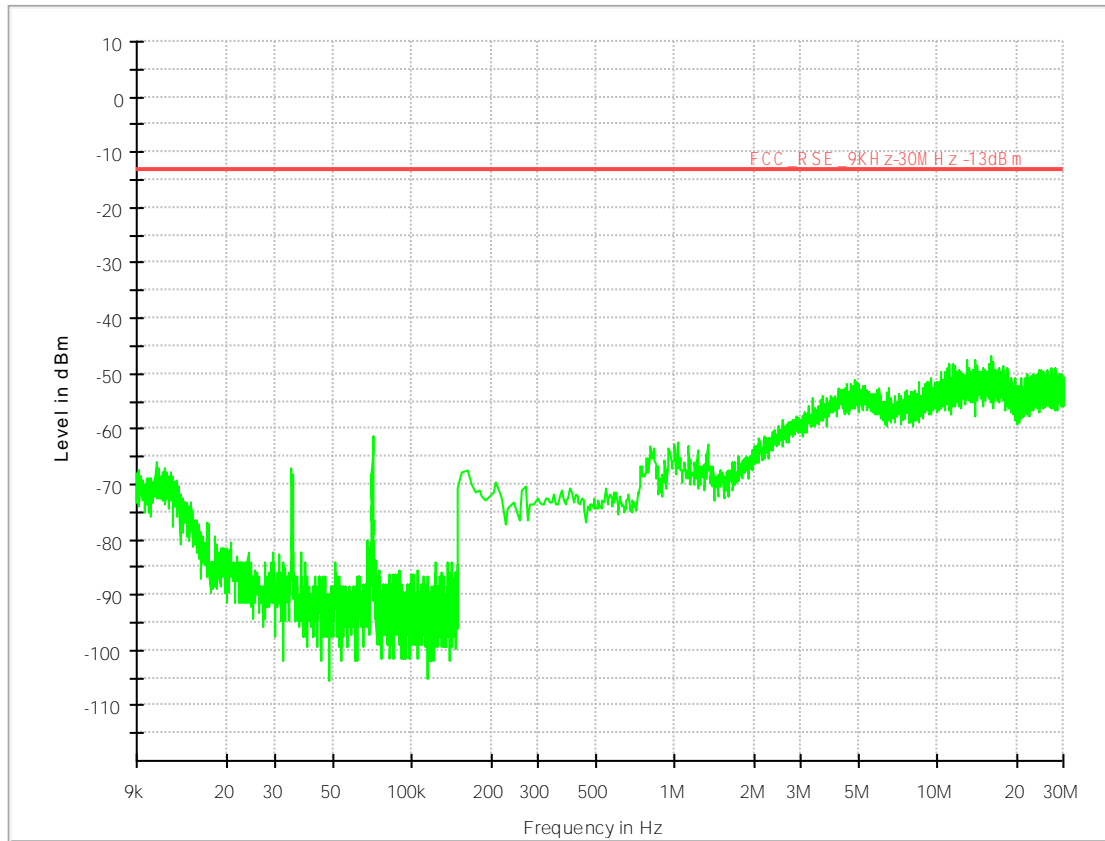
### Part I - Test Plots

#### 7.1 For LTE

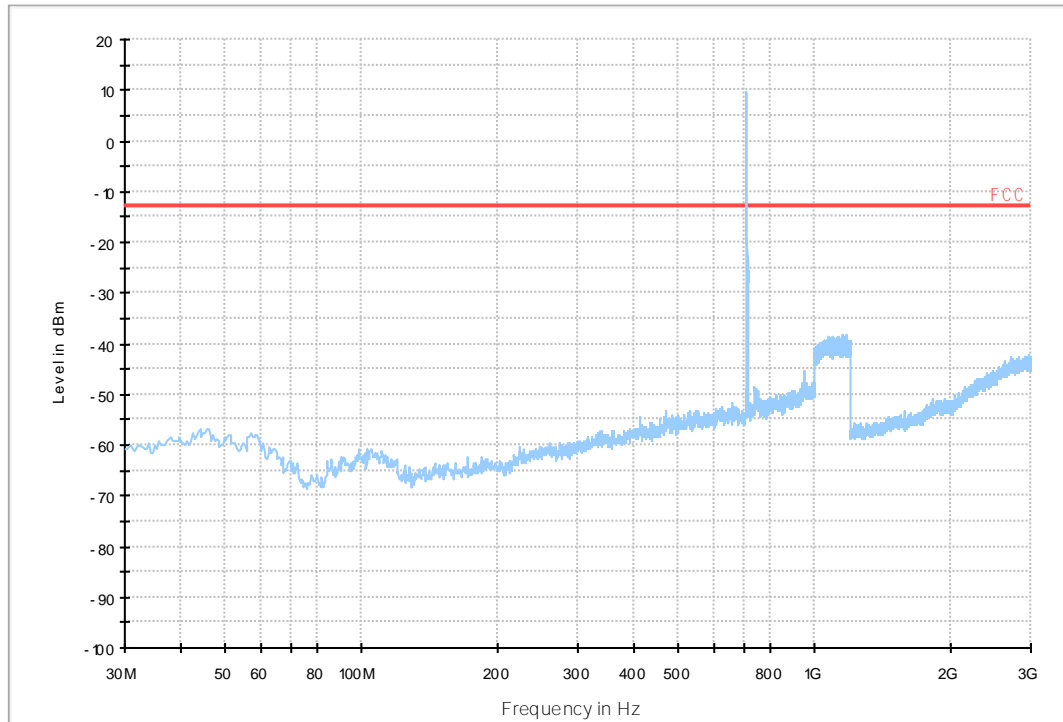
##### 7.1.1 Test Band = Band17

##### 7.1.1.1 Test Bandwidth = 5

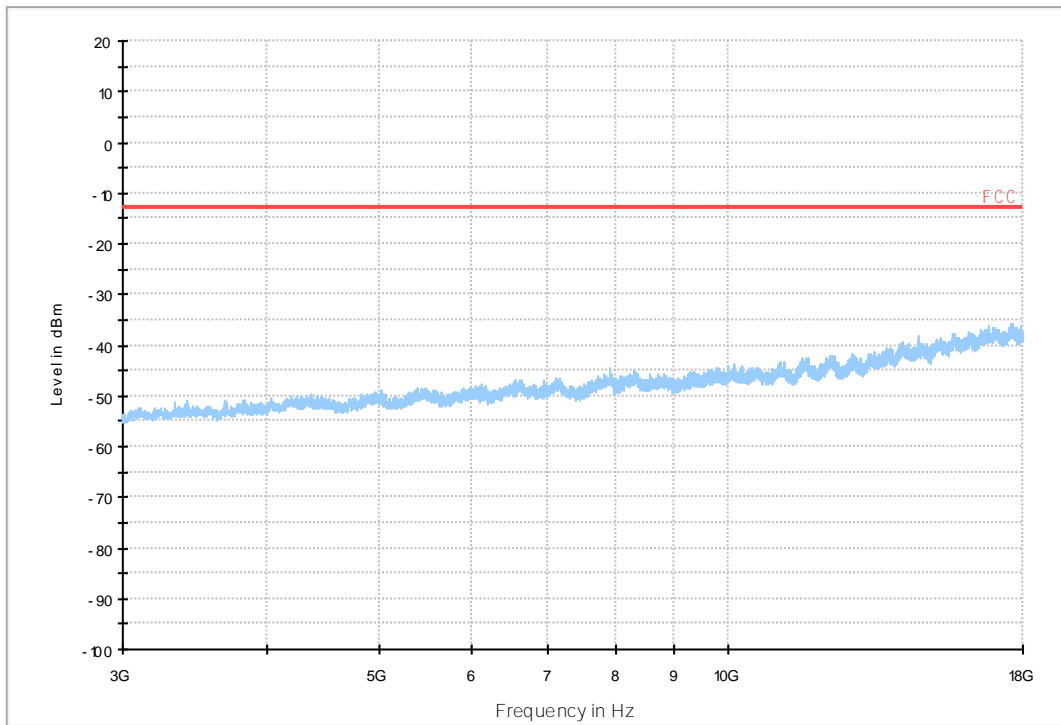
Band17/TM1\_Ant1



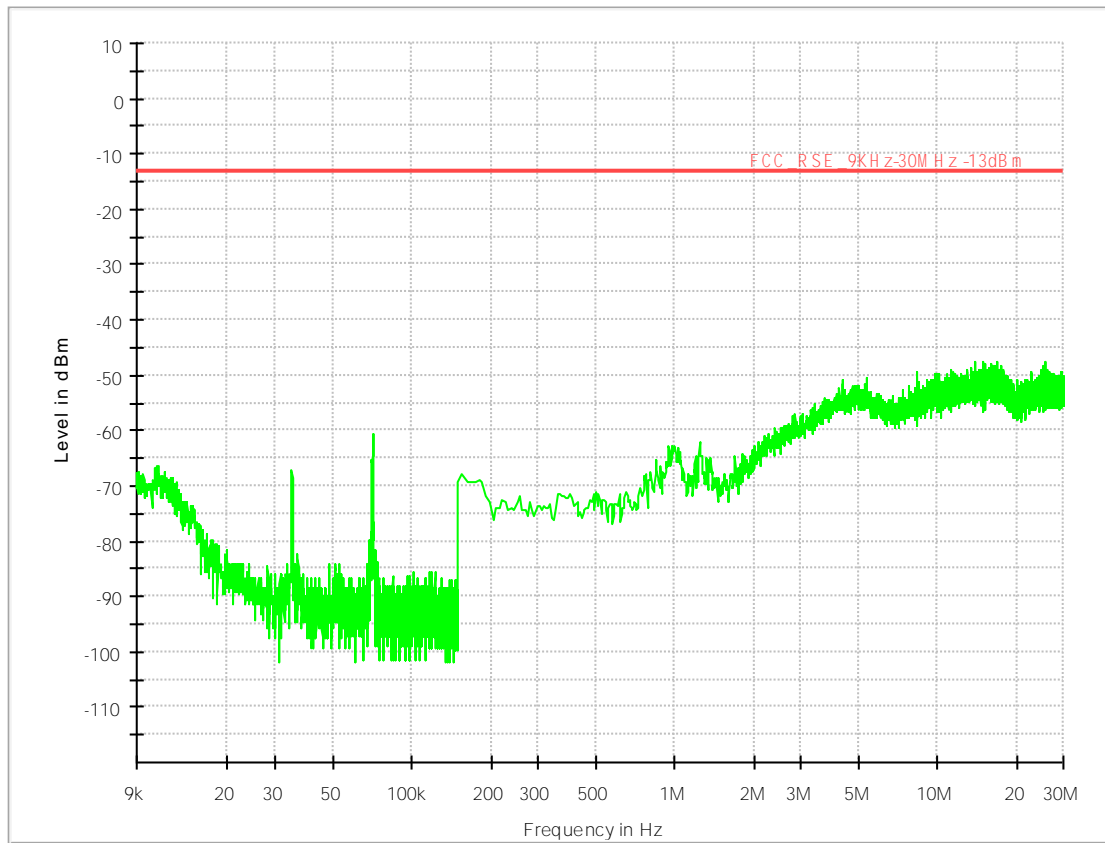
LTE FDD RSE-TX-DIRECT OR BELOW 1G\_L



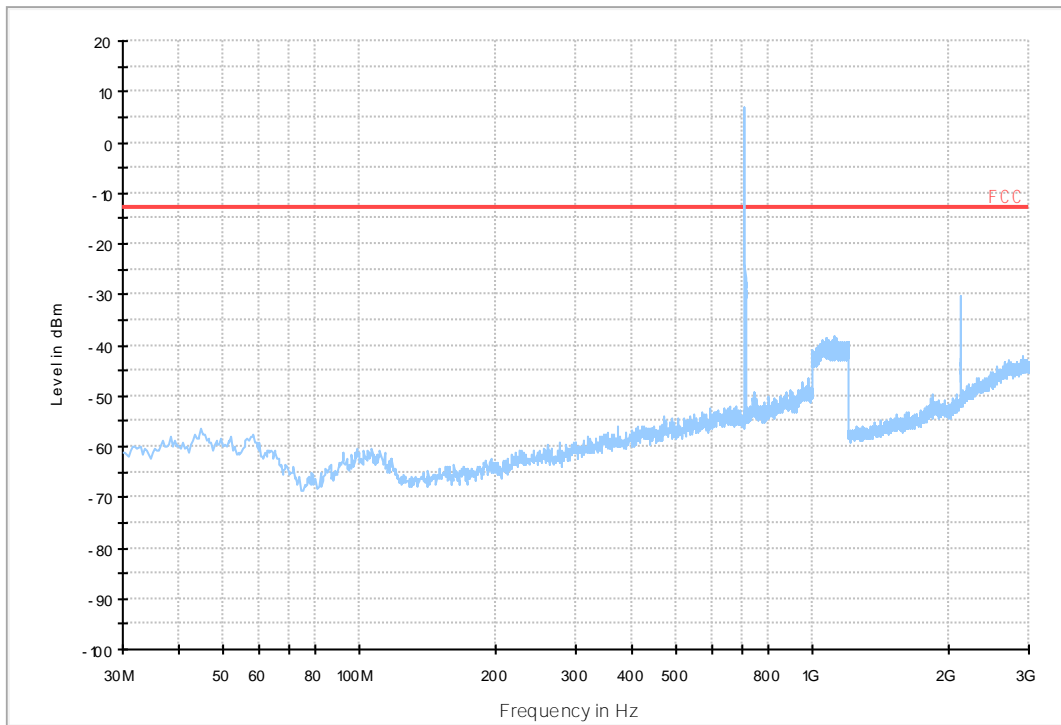
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H



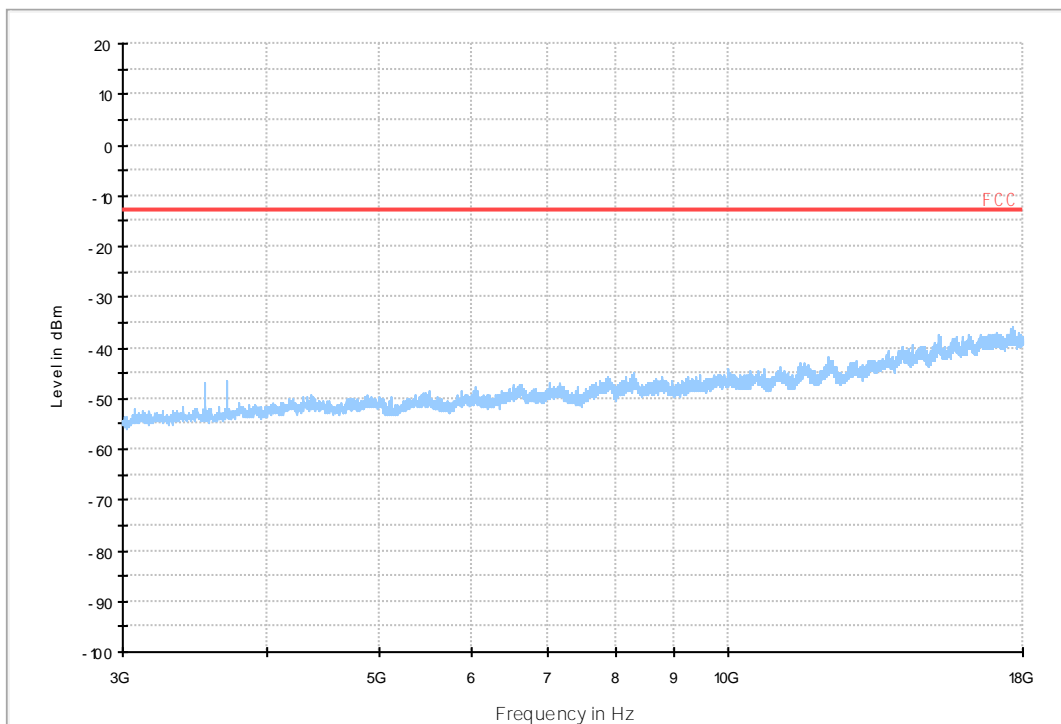
Band17/TM1\_Ant2



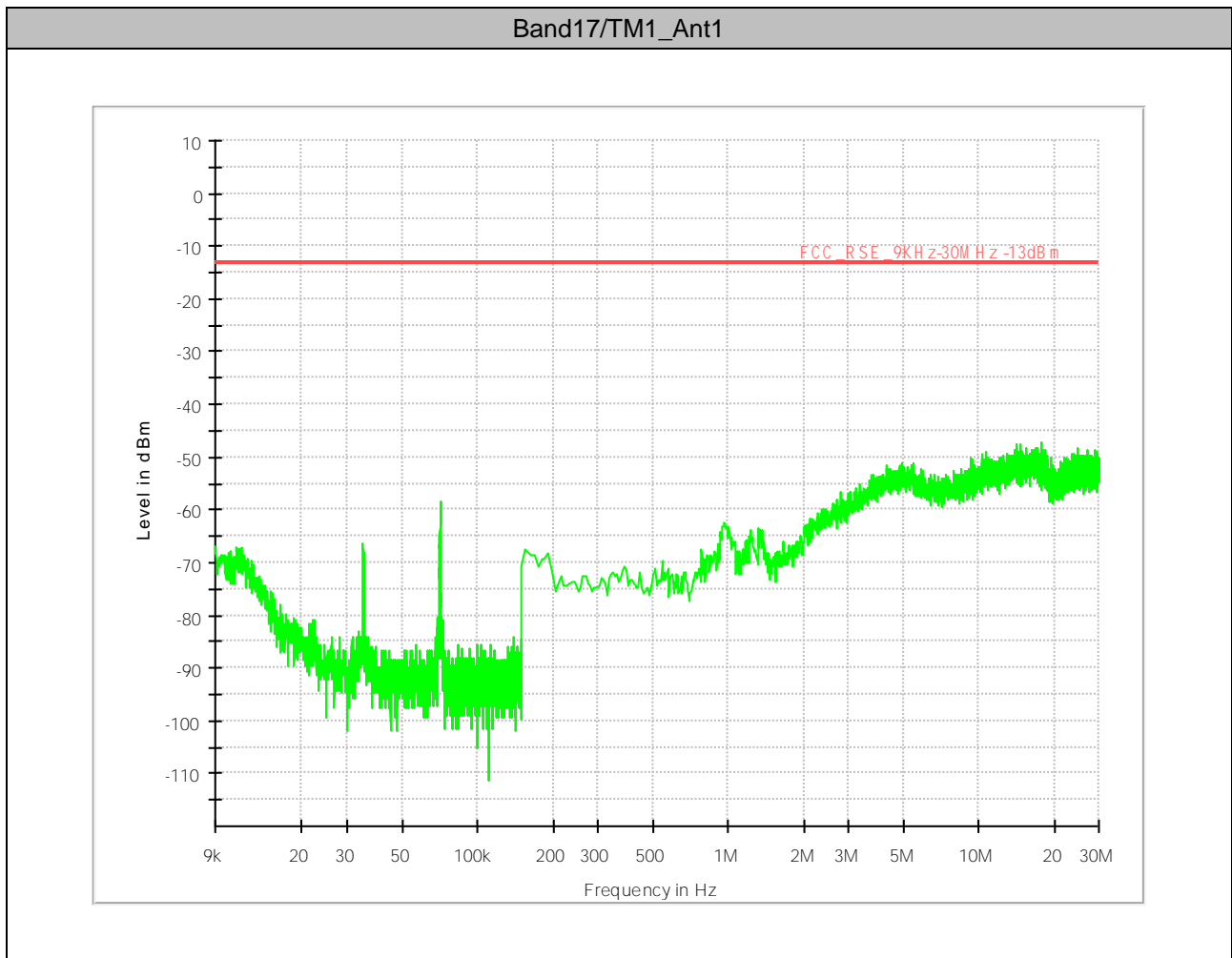
LT E FDD RSE-TX-DIRECTOR BELOW 1G\_L



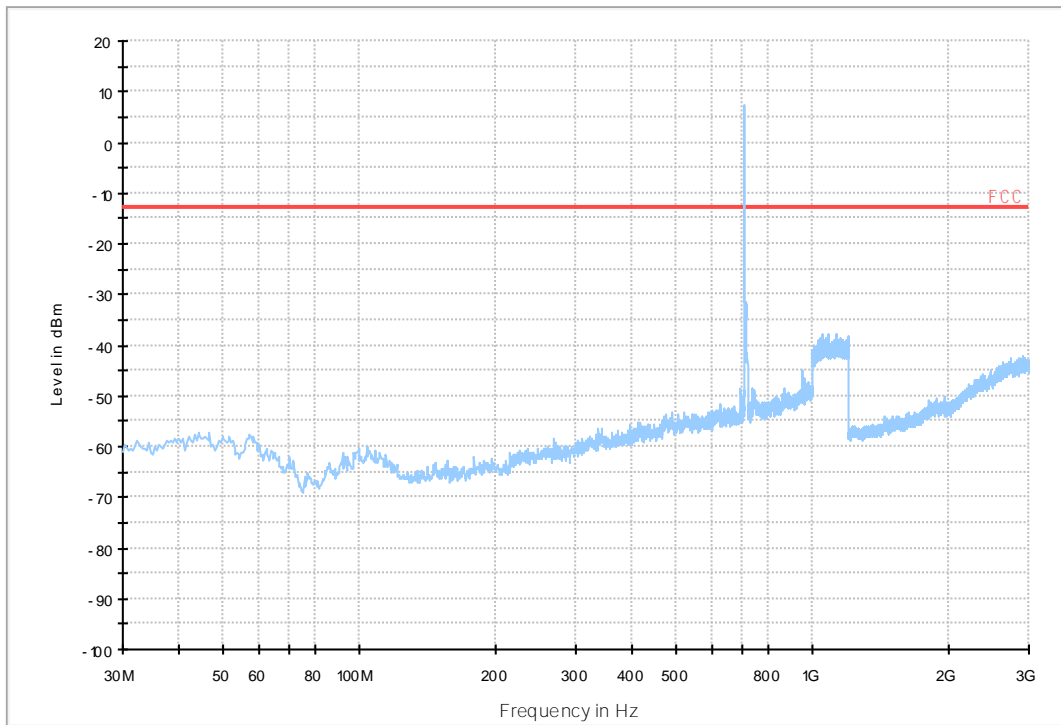
LT E FDD RSE-TX-DIRECTOR BELOW 1G\_H



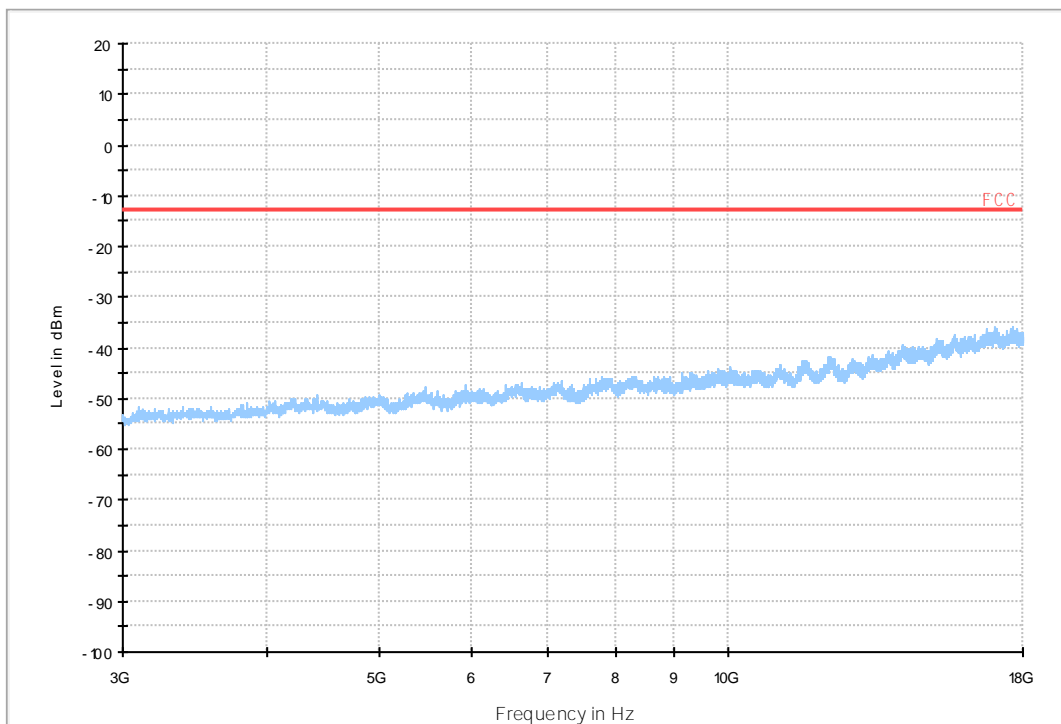
### 7.1.1.2 Test Bandwidth = 10



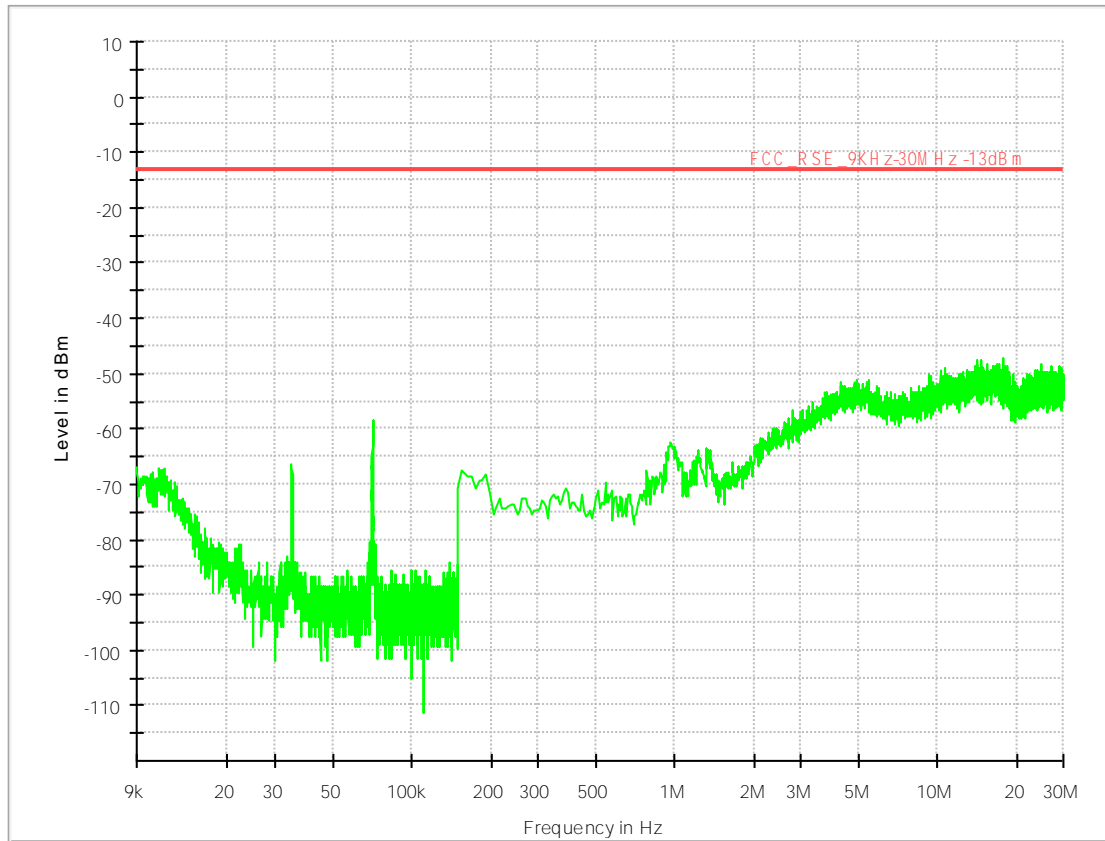
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_L



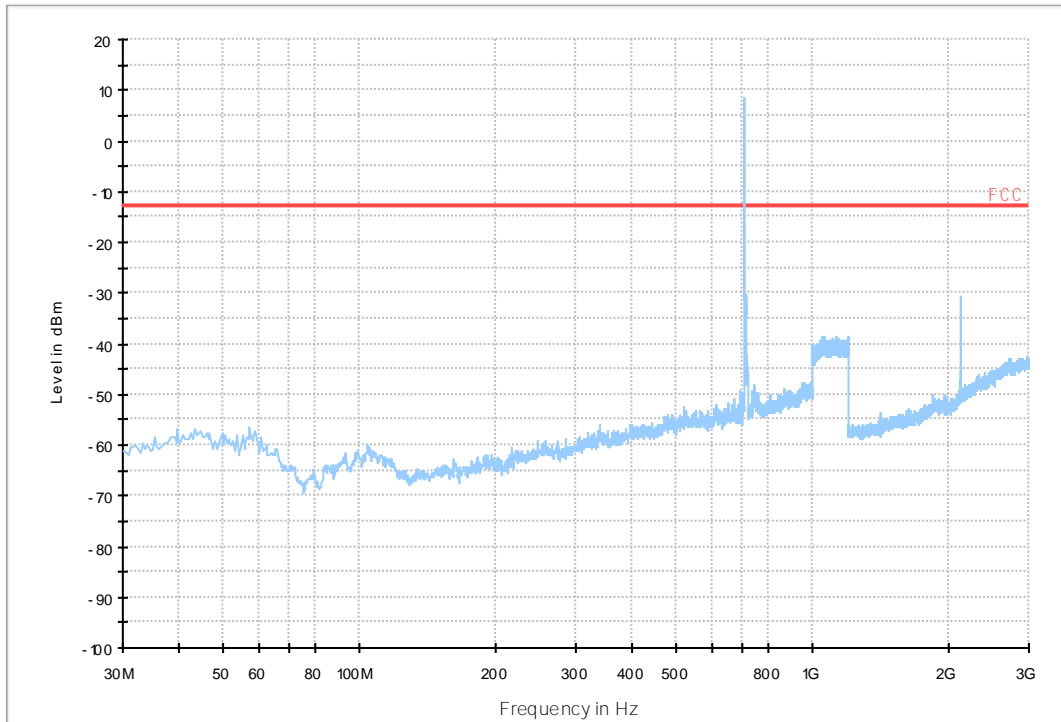
LTE FDD RSE-TX-DIRECTOR BELOW 1G\_H

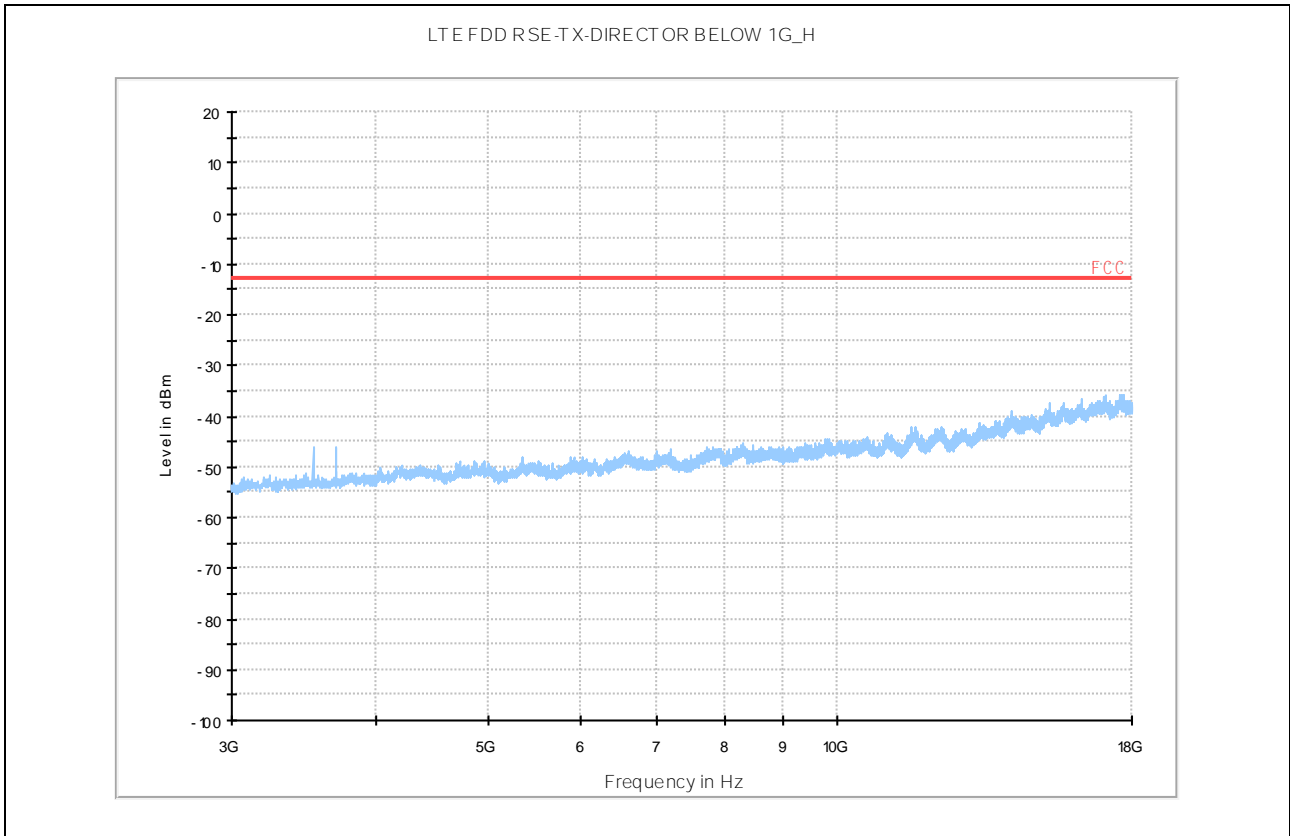


Band17/TM1\_Ant2



LTE FDD RSE-TX-DIRECT OR BELOW 1G\_L







## 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	-3.96252	-0.00561	PASS
					VN	-3.50475	-0.00496	PASS
					VH	4.80652	0.00680	PASS
			MCH	TN	VL	0.71526	0.00101	PASS
					VN	-1.35899	-0.00191	PASS
					VH	1.80244	0.00254	PASS
			HCH	TN	VL	-2.88963	-0.00405	PASS
					VN	-5.69344	-0.00798	PASS
					VH	-0.95844	-0.00134	PASS
		10	LCH	TN	VL	-3.61919	-0.00510	PASS
					VN	-6.43730	-0.00908	PASS
					VH	-1.57356	-0.00222	PASS
			MCH	TN	VL	-7.48158	-0.01054	PASS
					VN	-1.11580	-0.00157	PASS
					VH	-8.96931	-0.01263	PASS
	HCH		TN	VL	-1.00136	-0.00141	PASS	
				VN	-3.21865	-0.00453	PASS	
				VH	0.40054	0.00056	PASS	
	LTE/TM2	5	LCH	TN	VL	-4.01974	-0.00569	PASS
					VN	4.56333	0.00646	PASS
					VH	-3.54767	-0.00502	PASS
			MCH	TN	VL	-0.17166	-0.00024	PASS
					VN	5.92232	0.00834	PASS
					VH	3.89099	0.00548	PASS
			HCH	TN	VL	-2.46048	-0.00345	PASS
					VN	-5.55039	-0.00778	PASS
					VH	-0.20027	-0.00028	PASS
10		LCH	TN	VL	-2.71797	-0.00383	PASS	
				VN	2.27451	0.00321	PASS	
				VH	-1.08719	-0.00153	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
			MCH	TN	VL	0.57220	0.00081	PASS
					VN	-4.47750	-0.00631	PASS
					VH	-1.31607	-0.00185	PASS
			HCH	TN	VL	0.15736	0.00022	PASS
					VN	-1.58787	-0.00223	PASS
					VH	0.11444	0.00016	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	-2.54631	-0.00360	PASS
					-20	-1.98841	-0.00281	PASS
					-10	1.77383	0.00251	PASS
					0	-2.63214	-0.00373	PASS
					10	-1.47343	-0.00209	PASS
					20	-3.50475	-0.00496	PASS
					30	-0.17166	-0.00024	PASS
					40	3.41892	0.00484	PASS
					50	-1.27316	-0.00180	PASS
			MCH	VN	-30	-2.24590	-0.00316	PASS
					-20	0.61512	0.00087	PASS
					-10	-2.90394	-0.00409	PASS
					0	-0.31471	-0.00044	PASS
					10	2.01702	0.00284	PASS
					20	-1.35899	-0.00191	PASS
					30	-3.84808	-0.00542	PASS
					40	1.18732	0.00167	PASS
			HCH	VN	-30	3.86238	0.00541	PASS
					-20	-0.02861	-0.00004	PASS
					-10	0.28610	0.00040	PASS
					0	-0.18597	-0.00026	PASS
					10	-0.75817	-0.00106	PASS
					20	-5.69344	-0.00798	PASS
					30	0.55790	0.00078	PASS
40	9.98497	0.01399	PASS					



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		10	LCH	VN	50	-1.95980	-0.00275	PASS
					-30	1.00136	0.00141	PASS
					-20	-2.48909	-0.00351	PASS
					-10	-1.33038	-0.00188	PASS
					0	-5.26428	-0.00742	PASS
					10	-0.81539	-0.00115	PASS
					20	-6.43730	-0.00908	PASS
					30	-0.25749	-0.00036	PASS
					40	-5.39303	-0.00761	PASS
			50	-0.20027	-0.00028	PASS		
			MCH	VN	-30	-5.29289	-0.00745	PASS
					-20	-0.44346	-0.00062	PASS
					-10	-5.76496	-0.00812	PASS
					0	-4.73499	-0.00667	PASS
					10	-0.45776	-0.00064	PASS
					20	-1.11580	-0.00157	PASS
					30	-9.24110	-0.01302	PASS
					40	-1.55926	-0.00220	PASS
	50	-0.15736			-0.00022	PASS		
	HCH	VN	-30	-5.59330	-0.00787	PASS		
			-20	-4.19140	-0.00590	PASS		
			-10	-3.94821	-0.00555	PASS		
			0	-2.21729	-0.00312	PASS		
			10	-0.70095	-0.00099	PASS		
			20	-3.21865	-0.00453	PASS		
			30	-1.00136	-0.00141	PASS		
			40	-4.39167	-0.00618	PASS		
			50	-0.94414	-0.00133	PASS		
	LTE/TM2	5	LCH	VN	-30	-1.41621	-0.00200	PASS
					-20	-3.87669	-0.00549	PASS
					-10	-0.80109	-0.00113	PASS
					0	-0.80109	-0.00113	PASS
10					-8.01086	-0.01134	PASS	
20					4.56333	0.00646	PASS	
30					-1.74522	-0.00247	PASS	
40					1.31607	0.00186	PASS	
50					-1.27316	-0.00180	PASS	
MCH			VN	-30	1.67370	0.00236	PASS	
				-20	0.37193	0.00052	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict				
					-10	-3.44753	-0.00486	PASS				
					0	1.37329	0.00193	PASS				
					10	1.84536	0.00260	PASS				
					20	5.92232	0.00834	PASS				
					30	1.93119	0.00272	PASS				
					40	2.94685	0.00415	PASS				
					50	-1.25885	-0.00177	PASS				
			HCH	VN				-30	-0.75817	-0.00106	PASS	
								-20	-1.20163	-0.00168	PASS	
								-10	-1.95980	-0.00275	PASS	
								0	6.92368	0.00970	PASS	
								10	3.16143	0.00443	PASS	
								20	-5.55039	-0.00778	PASS	
								30	-2.03133	-0.00285	PASS	
			40	2.73228		0.00383	PASS					
			50	3.30448		0.00463	PASS					
			LCH	VN					-30	1.40190	0.00198	PASS
									-20	-0.05722	-0.00008	PASS
									-10	3.11851	0.00440	PASS
									0	-2.00272	-0.00282	PASS
		10							-1.91688	-0.00270	PASS	
		20							2.27451	0.00321	PASS	
		30							1.45912	0.00206	PASS	
		40	0.58651	0.00083			PASS					
		50	-0.57220	-0.00081			PASS					
		MCH	VN						-30	-1.53065	-0.00216	PASS
									-20	-0.05722	-0.00008	PASS
					-10				0.15736	0.00022	PASS	
					0				0.15736	0.00022	PASS	
					10				-1.00136	-0.00141	PASS	
					20				-4.47750	-0.00631	PASS	
					30				-4.00543	-0.00564	PASS	
		40	-2.04563		-0.00288		PASS					
		50	0.28610		0.00040		PASS					
		HCH	VN						-30	-0.20027	-0.00028	PASS
									-20	-2.56062	-0.00360	PASS
						-10			-0.75817	-0.00107	PASS	
						0			0.10014	0.00014	PASS	
						10			1.41621	0.00199	PASS	



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					20	-1.58787	-0.00223	PASS
					30	-0.51498	-0.00072	PASS
					40	0.11444	0.00016	PASS
					50	0.60081	0.00085	PASS

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END