

# 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	22.89	20.14	34.7	PASS
				RB1#13	22.58	19.83	34.7	PASS
				RB1#24	22.54	19.79	34.7	PASS
				RB12#0	22.47	19.72	34.7	PASS
				RB12#6	22.41	19.66	34.7	PASS
				RB12#13	22.38	19.63	34.7	PASS
				RB25#0	22.43	19.68	34.7	PASS
			MCH	RB1#0	22.52	19.77	34.7	PASS
				RB1#13	22.51	19.76	34.7	PASS
				RB1#24	22.53	19.78	34.7	PASS
				RB12#0	22.44	19.69	34.7	PASS
				RB12#6	22.39	19.64	34.7	PASS
				RB12#13	22.32	19.57	34.7	PASS
				RB25#0	22.39	19.64	34.7	PASS
HCH	RB1#0	22.53	19.78	34.7	PASS			

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#13	22.57	19.82	34.7	PASS
				RB1#24	22.58	19.83	34.7	PASS
				RB12#0	22.43	19.68	34.7	PASS
				RB12#6	22.39	19.64	34.7	PASS
				RB12#13	22.42	19.67	34.7	PASS
				RB25#0	22.45	19.7	34.7	PASS
		10	LCH	RB1#0	22.50	19.75	34.7	PASS
				RB1#25	22.52	19.77	34.7	PASS
				RB1#49	22.52	19.77	34.7	PASS
				RB25#0	22.42	19.67	34.7	PASS
				RB25#13	22.50	19.75	34.7	PASS
				RB25#25	22.46	19.71	34.7	PASS
				RB50#0	22.44	19.69	34.7	PASS
				MCH	RB1#0	22.65	19.9	34.7
		RB1#25	22.57		19.82	34.7	PASS	
		RB1#49	22.64		19.89	34.7	PASS	
RB25#0	22.43	19.68	34.7		PASS			

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#13	22.48	19.73	34.7	PASS
				RB25#25	22.44	19.69	34.7	PASS
				RB50#0	22.44	19.69	34.7	PASS
			HCH	RB1#0	22.60	19.85	34.7	PASS
				RB1#25	22.57	19.82	34.7	PASS
				RB1#49	22.66	19.91	34.7	PASS
				RB25#0	22.50	19.75	34.7	PASS
				RB25#13	22.47	19.72	34.7	PASS
				RB25#25	22.46	19.71	34.7	PASS
				RB50#0	22.52	19.77	34.7	PASS
				LCH	RB1#0	23.01	20.26	34.7
			RB1#13		22.96	20.21	34.7	PASS
			RB1#24		22.91	20.16	34.7	PASS
			RB12#0		21.64	18.89	34.7	PASS
			RB12#6		21.54	18.79	34.7	PASS
RB12#13	21.52	18.77	34.7		PASS			
RB25#0	21.49	18.74	34.7		PASS			

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	22.56	19.81	34.7	PASS
				RB1#13	22.58	19.83	34.7	PASS
				RB1#24	22.47	19.72	34.7	PASS
				RB12#0	21.50	18.75	34.7	PASS
				RB12#6	21.48	18.73	34.7	PASS
				RB12#13	21.43	18.68	34.7	PASS
				RB25#0	21.41	18.66	34.7	PASS
			HCH	RB1#0	22.60	19.85	34.7	PASS
				RB1#13	22.48	19.73	34.7	PASS
				RB1#24	22.36	19.61	34.7	PASS
				RB12#0	21.47	18.72	34.7	PASS
				RB12#6	21.36	18.61	34.7	PASS
				RB12#13	21.45	18.7	34.7	PASS
				RB25#0	21.37	18.62	34.7	PASS
		10	LCH	RB1#0	22.91	20.16	34.7	PASS
RB1#25	22.85			20.1	34.7	PASS		
RB1#49	22.89			20.14	34.7	PASS		

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	21.47	18.72	34.7	PASS
				RB25#13	21.52	18.77	34.7	PASS
				RB25#25	21.46	18.71	34.7	PASS
				RB50#0	21.44	18.69	34.7	PASS
			MCH	RB1#0	22.51	19.76	34.7	PASS
				RB1#25	22.38	19.63	34.7	PASS
				RB1#49	22.46	19.71	34.7	PASS
				RB25#0	21.43	18.68	34.7	PASS
				RB25#13	21.49	18.74	34.7	PASS
				RB25#25	21.50	18.75	34.7	PASS
				RB50#0	21.42	18.67	34.7	PASS
			HCH	RB1#0	22.49	19.74	34.7	PASS
				RB1#25	22.40	19.65	34.7	PASS
				RB1#49	22.43	19.68	34.7	PASS
				RB25#0	21.61	18.86	34.7	PASS
				RB25#13	21.55	18.8	34.7	PASS
				RB25#25	21.57	18.82	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.51	18.76	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,

$$ERP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBd]$$

$$EIRP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBi]$$

b, SGP = Signal Generator Level

Note2:

$$SET Span = 1.5 * OBW$$

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

$$SET VBW \geq 3 * RBW$$

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	4.57	13	PASS
				RB1#13	5.03	13	PASS
				RB1#24	5.07	13	PASS
				RB12#0	5.56	13	PASS
				RB12#6	5.52	13	PASS
				RB12#13	5.63	13	PASS
				RB25#0	5.63	13	PASS
			MCH	RB1#0	5.36	13	PASS
				RB1#13	5.09	13	PASS
				RB1#24	5.19	13	PASS
				RB12#0	5.46	13	PASS
				RB12#6	5.30	13	PASS
				RB12#13	5.40	13	PASS
				RB25#0	5.44	13	PASS
		HCH	RB1#0	4.70	13	PASS	
			RB1#13	4.44	13	PASS	
			RB1#24	4.38	13	PASS	
			RB12#0	5.31	13	PASS	
			RB12#6	5.11	13	PASS	
			RB12#13	5.06	13	PASS	
			RB25#0	5.45	13	PASS	
		10	LCH	RB1#0	4.99	13	PASS
				RB1#25	4.95	13	PASS
				RB1#49	4.56	13	PASS
				RB25#0	5.62	13	PASS
				RB25#13	5.42	13	PASS
				RB25#25	5.43	13	PASS
				RB50#0	5.85	13	PASS
MCH	RB1#0		4.66	13	PASS		
	RB1#25		4.61	13	PASS		
	RB1#49		4.28	13	PASS		
	RB25#0		5.56	13	PASS		
	RB25#13		5.30	13	PASS		
	RB25#25		5.20	13	PASS		
	RB50#0		5.90	13	PASS		



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
			HCH	RB1#0	4.68	13	PASS	
				RB1#25	4.50	13	PASS	
				RB1#49	4.07	13	PASS	
				RB25#0	5.54	13	PASS	
				RB25#13	5.34	13	PASS	
				RB25#25	5.20	13	PASS	
				RB50#0	5.87	13	PASS	
			LCH	RB1#0	4.55	13	PASS	
				RB1#13	4.54	13	PASS	
				RB1#24	4.61	13	PASS	
				RB12#0	6.11	13	PASS	
				RB12#6	6.16	13	PASS	
				RB12#13	6.21	13	PASS	
				RB25#0	6.87	13	PASS	
	MCH	RB1#0	5.56	13	PASS			
		RB1#13	5.26	13	PASS			
		RB1#24	5.28	13	PASS			
		RB12#0	6.39	13	PASS			
		RB12#6	6.19	13	PASS			
		RB12#13	6.22	13	PASS			
		RB25#0	6.43	13	PASS			
	HCH	RB1#0	5.14	13	PASS			
		RB1#13	4.81	13	PASS			
		RB1#24	4.73	13	PASS			
		RB12#0	5.98	13	PASS			
		RB12#6	5.92	13	PASS			
		RB12#13	5.80	13	PASS			
		RB25#0	6.68	13	PASS			
			10	LCH	RB1#0	5.08	13	PASS
					RB1#25	5.11	13	PASS
					RB1#49	4.57	13	PASS
					RB25#0	6.53	13	PASS
RB25#13					6.36	13	PASS	
RB25#25					6.30	13	PASS	
RB50#0					6.80	13	PASS	
MCH				RB1#0	5.55	13	PASS	
				RB1#25	5.53	13	PASS	
				RB1#49	5.06	13	PASS	
				RB25#0	6.79	13	PASS	

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#13	6.54	13	PASS
				RB25#25	6.39	13	PASS
				RB50#0	6.97	13	PASS
			HCH	RB1#0	5.41	13	PASS
				RB1#25	5.10	13	PASS
				RB1#49	4.65	13	PASS
				RB25#0	6.54	13	PASS
				RB25#13	6.32	13	PASS
				RB25#25	6.20	13	PASS
				RB50#0	6.48	13	PASS

## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

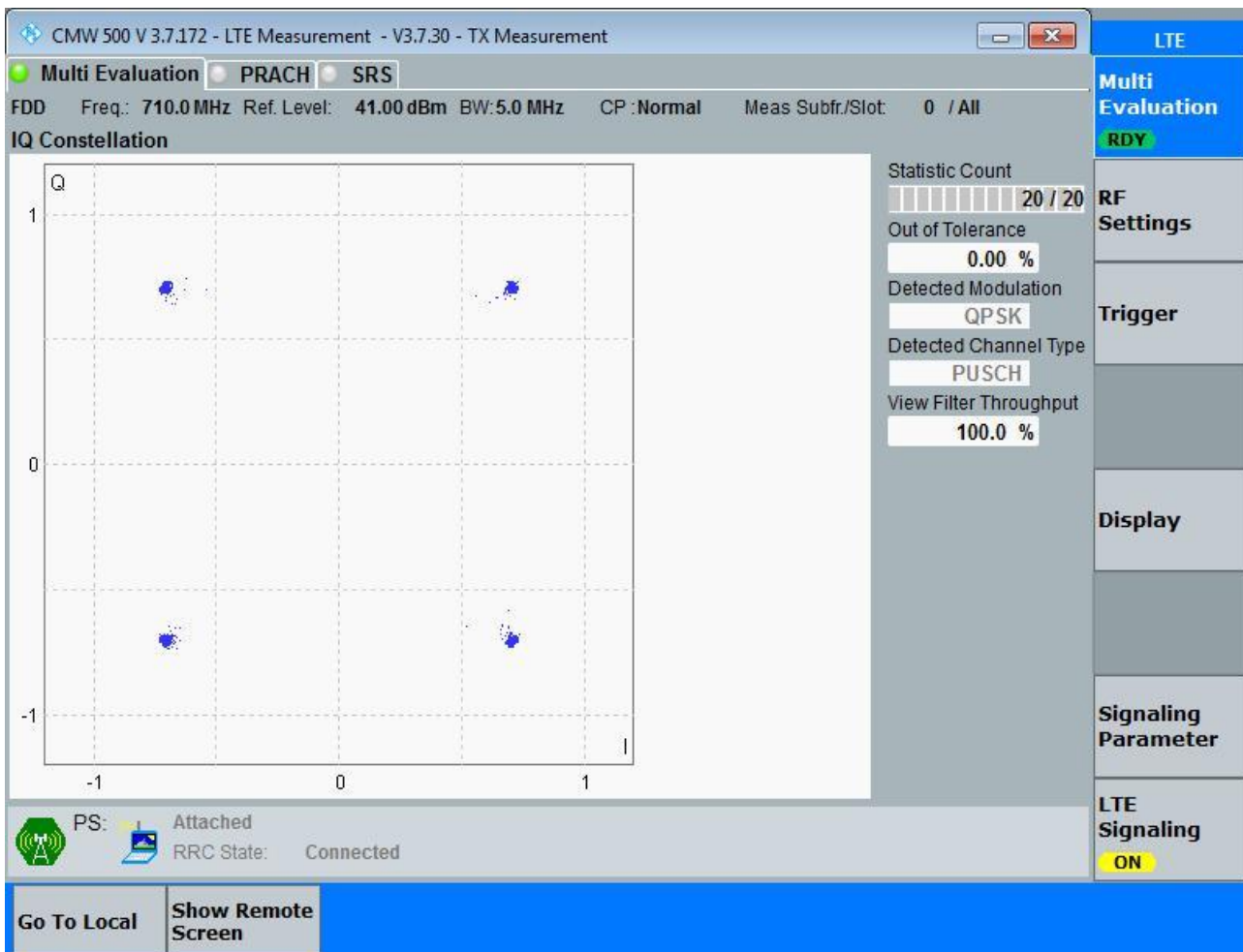
##### 3.1.1 Test Band = Band17

##### 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

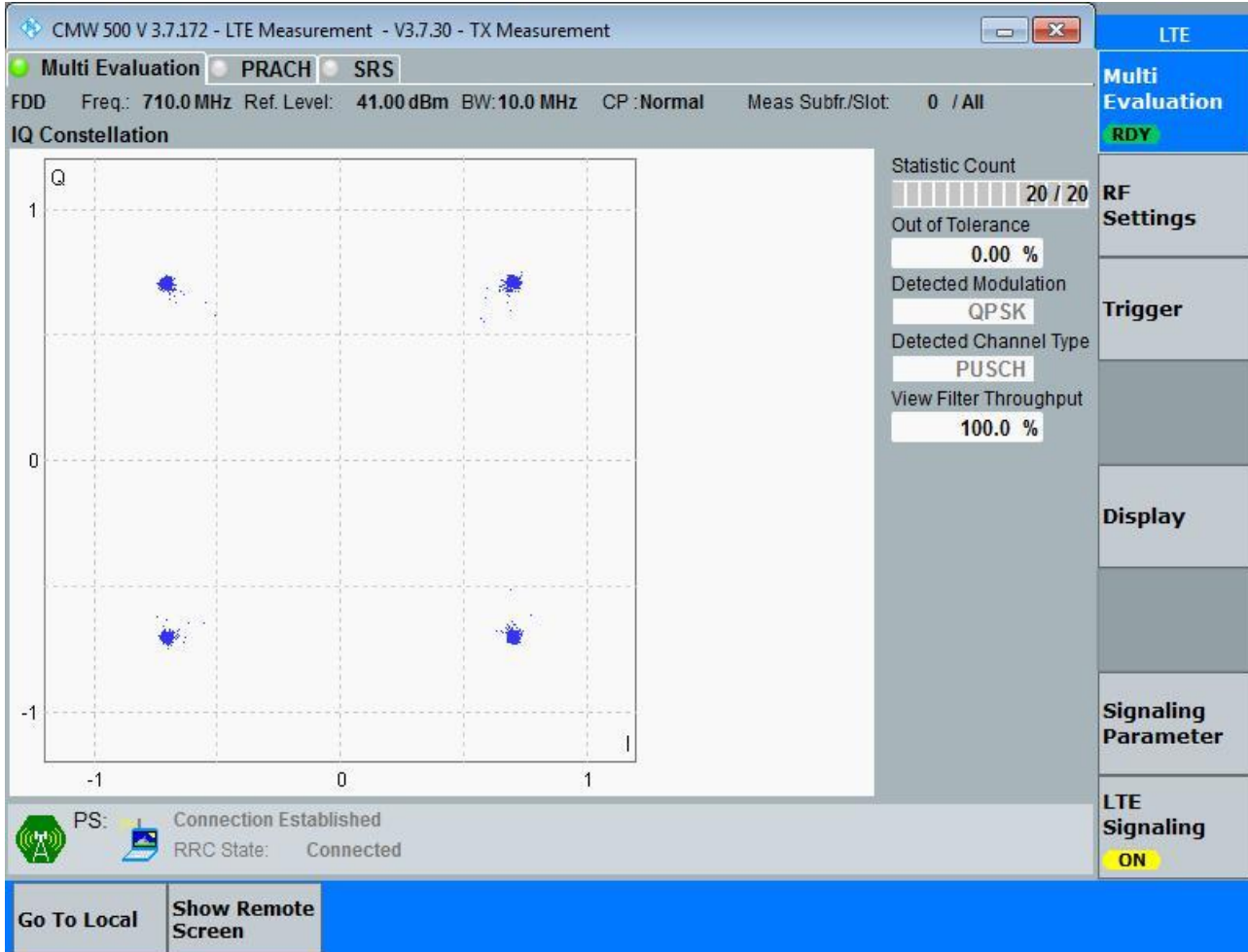
##### 3.1.1.1.1.1.1 Test RB = RB25#0



### 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

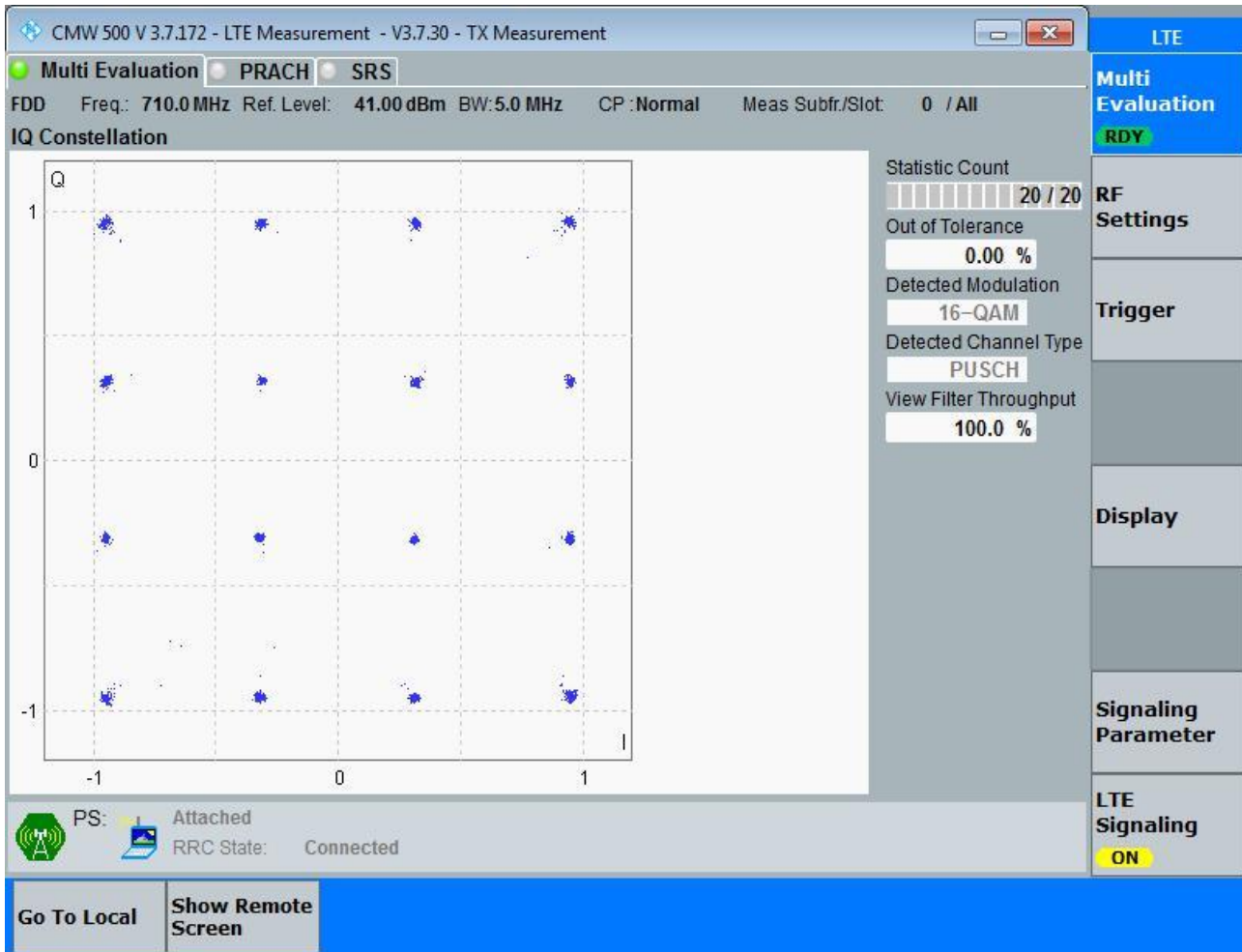


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

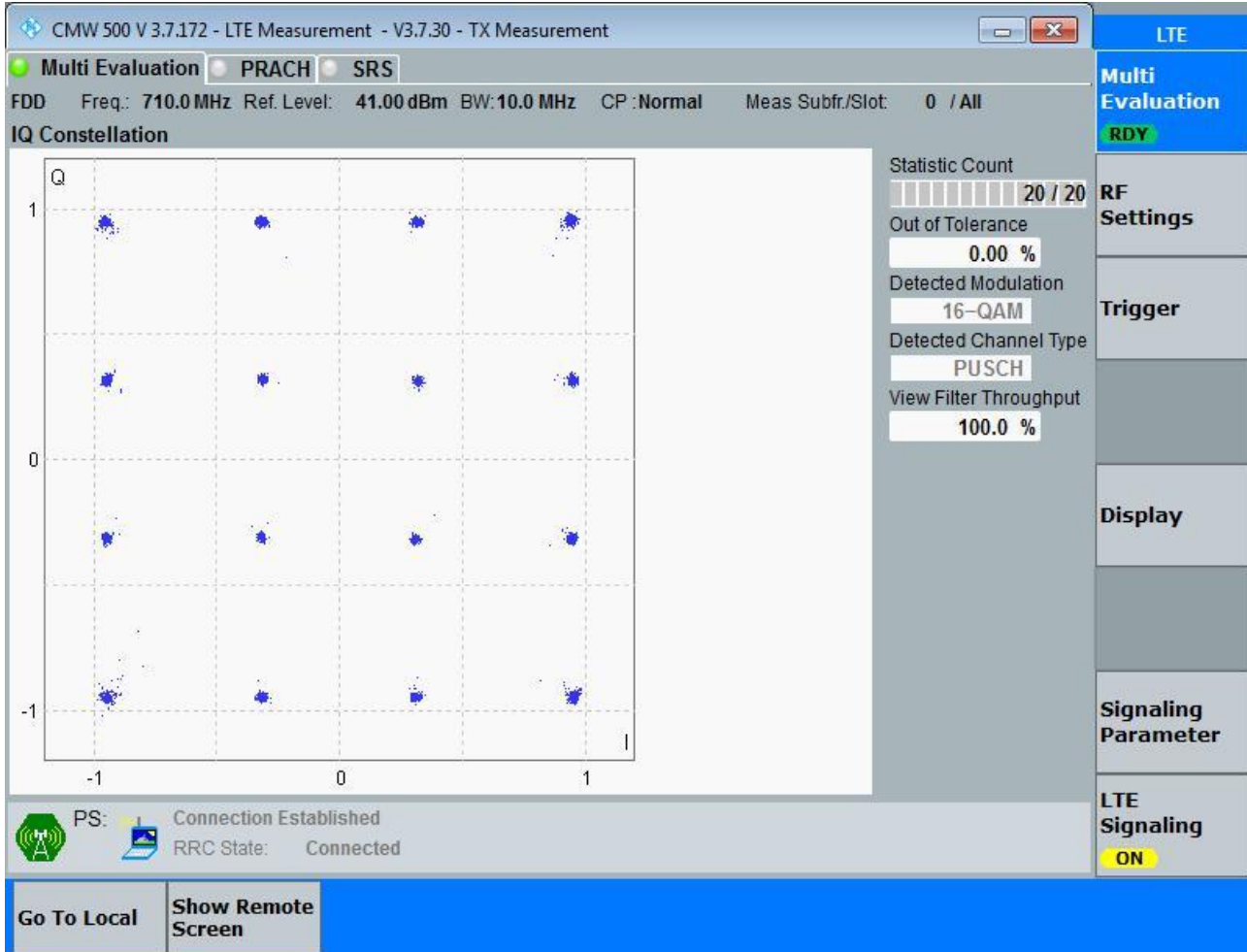
3.1.1.2.1.1.1 Test RB = RB25#0



### 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	5.03	Pass
			MCH	RB25#0	4.55	5.05	Pass
			HCH	RB25#0	4.51	4.98	Pass
		10	LCH	RB50#0	8.98	9.96	Pass
			MCH	RB50#0	8.99	9.96	Pass
			HCH	RB50#0	9.02	9.86	Pass
	LTE/TM2	5	LCH	RB25#0	4.51	4.99	Pass
			MCH	RB25#0	4.52	5.03	Pass
			HCH	RB25#0	4.49	4.97	Pass
		10	LCH	RB50#0	8.99	9.92	Pass
			MCH	RB50#0	9.01	9.88	Pass
			HCH	RB50#0	9.01	9.85	Pass

Part II - Test Plots

4.1 For LTE

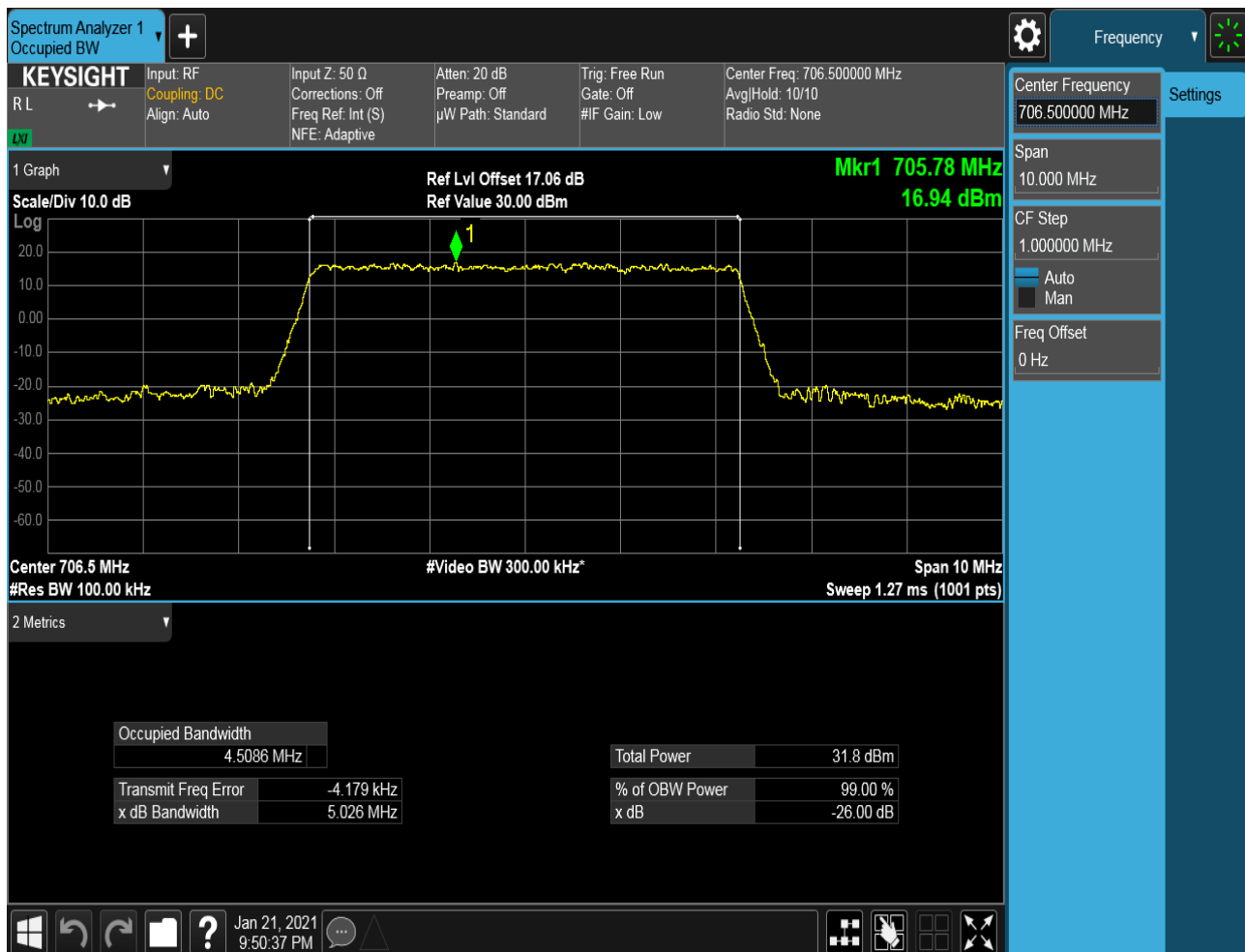
4.1.1 Test Band = Band17

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

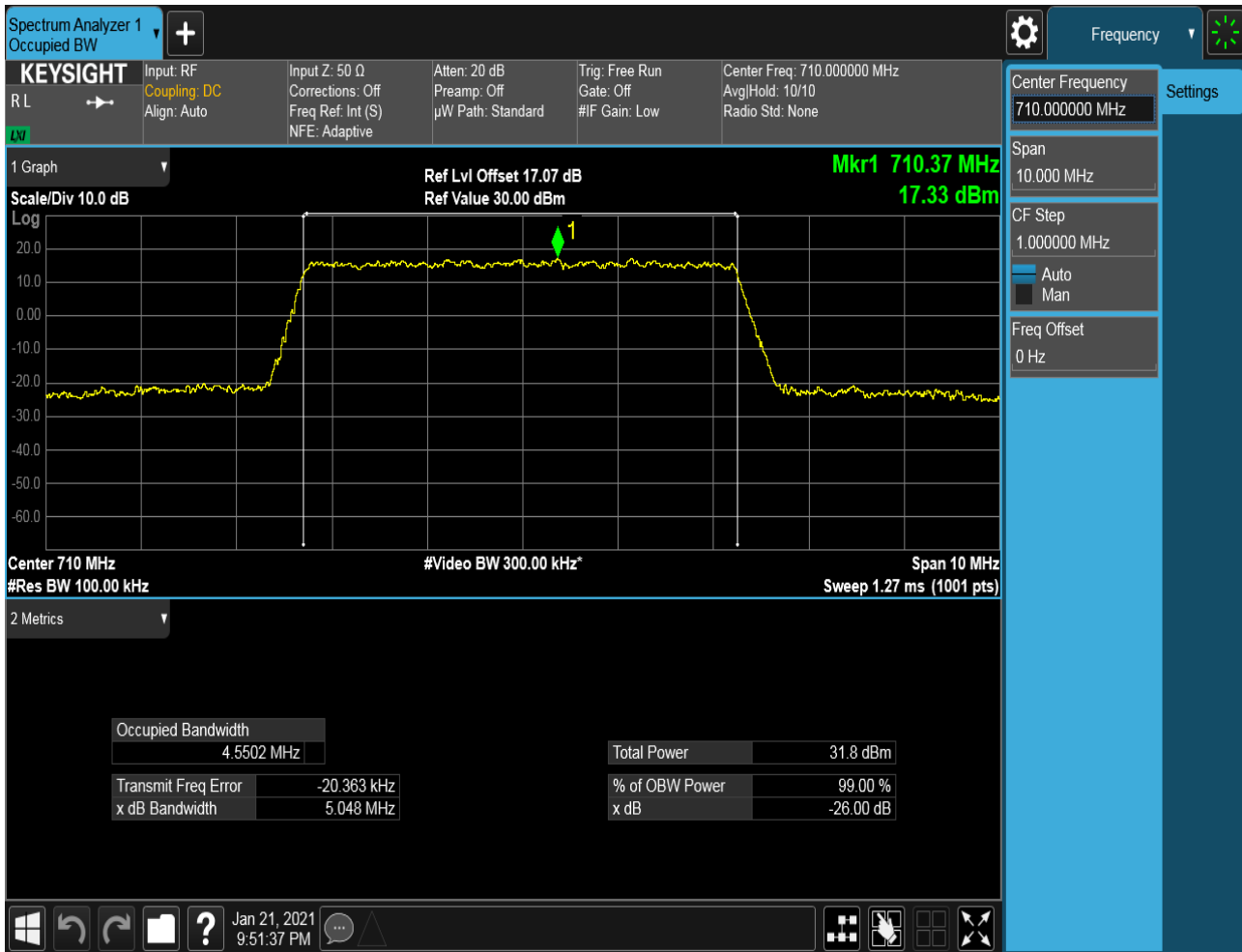
4.1.1.1.1.1.1 Test RB = RB25#0





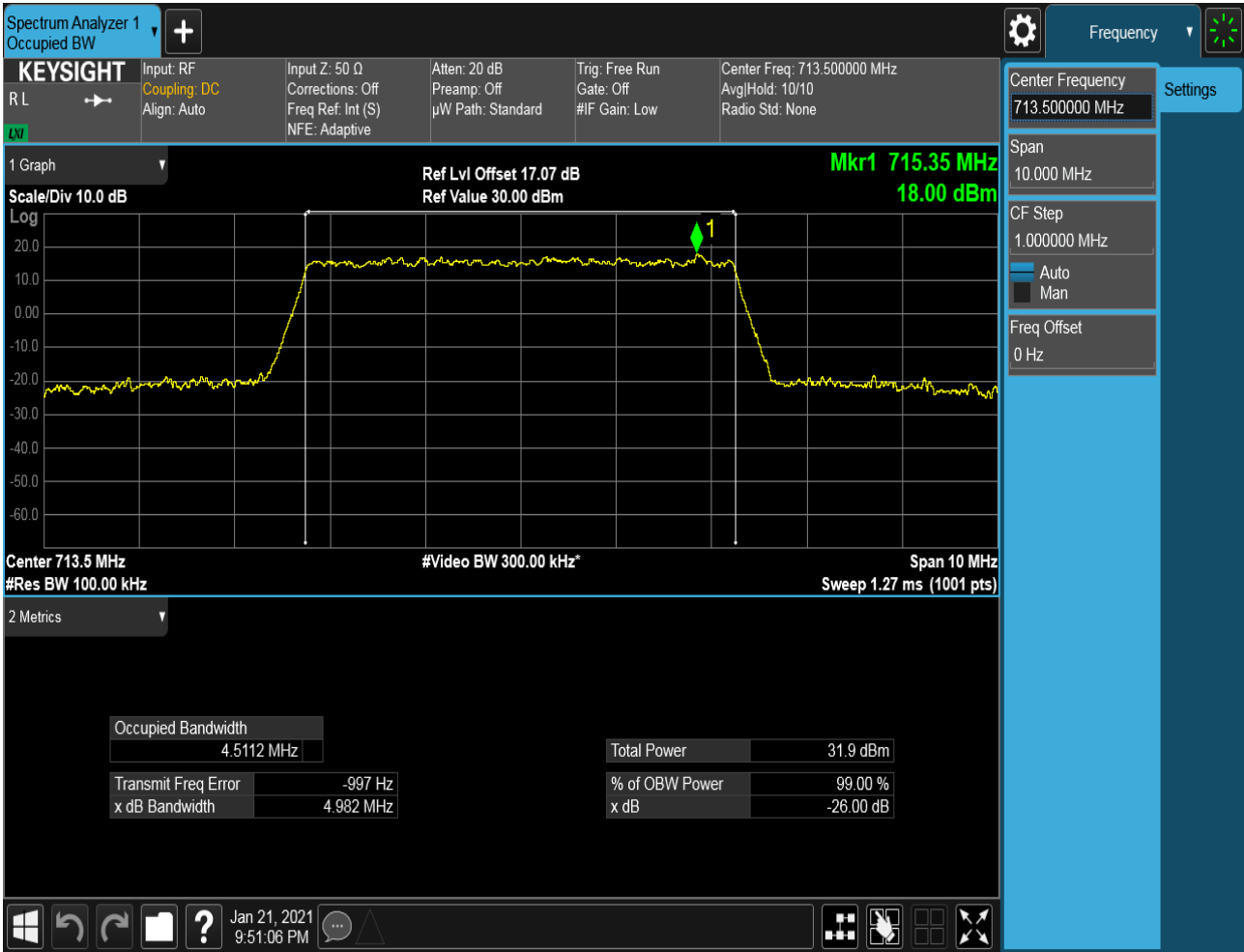
### 4.1.1.1.1.2 Test Channel = MCH

#### 4.1.1.1.1.2.1 Test RB = RB25#0



### 4.1.1.1.1.3 Test Channel = HCH

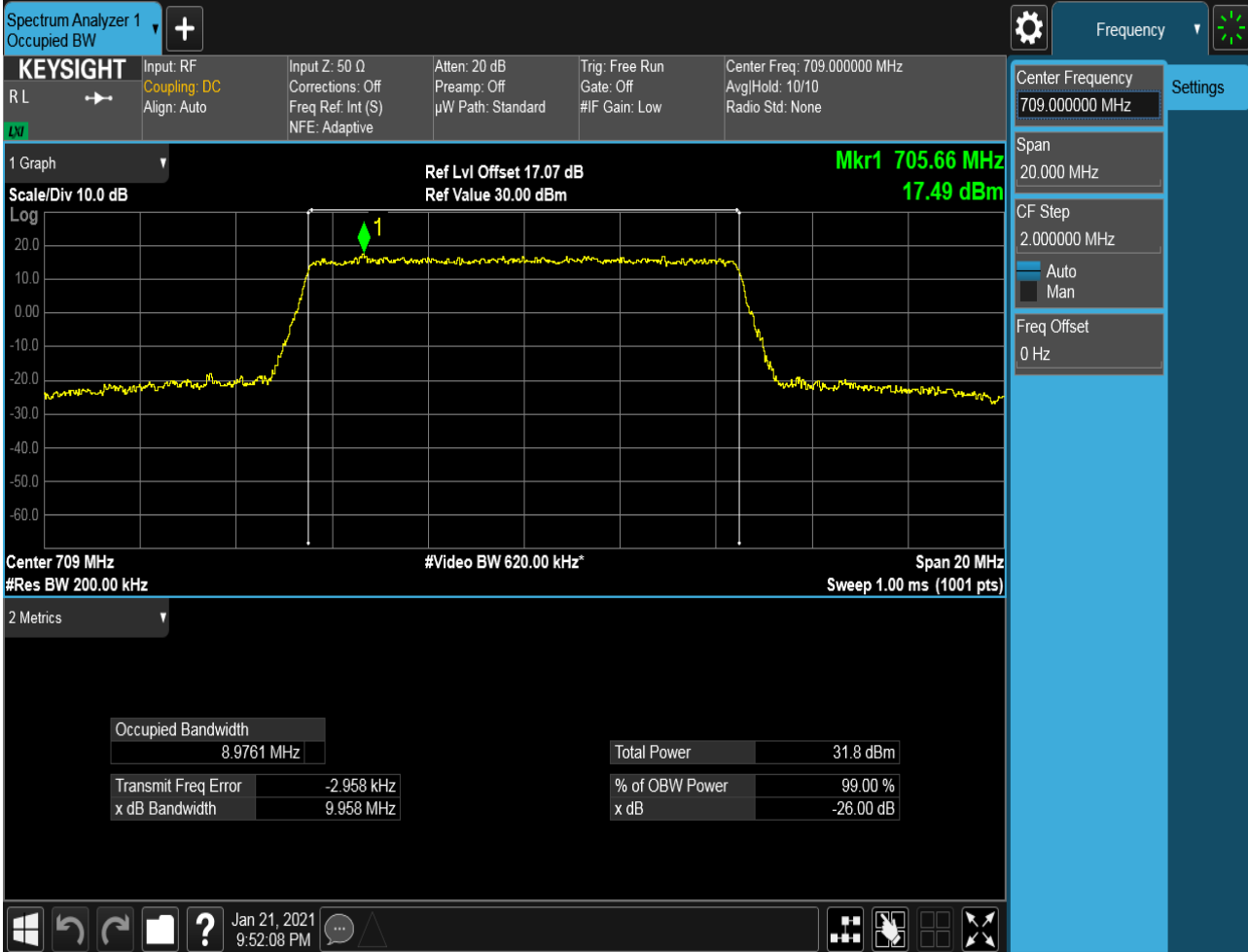
#### 4.1.1.1.1.3.1 Test RB = RB25#0



4.1.1.1.2 Test Bandwidth = 10

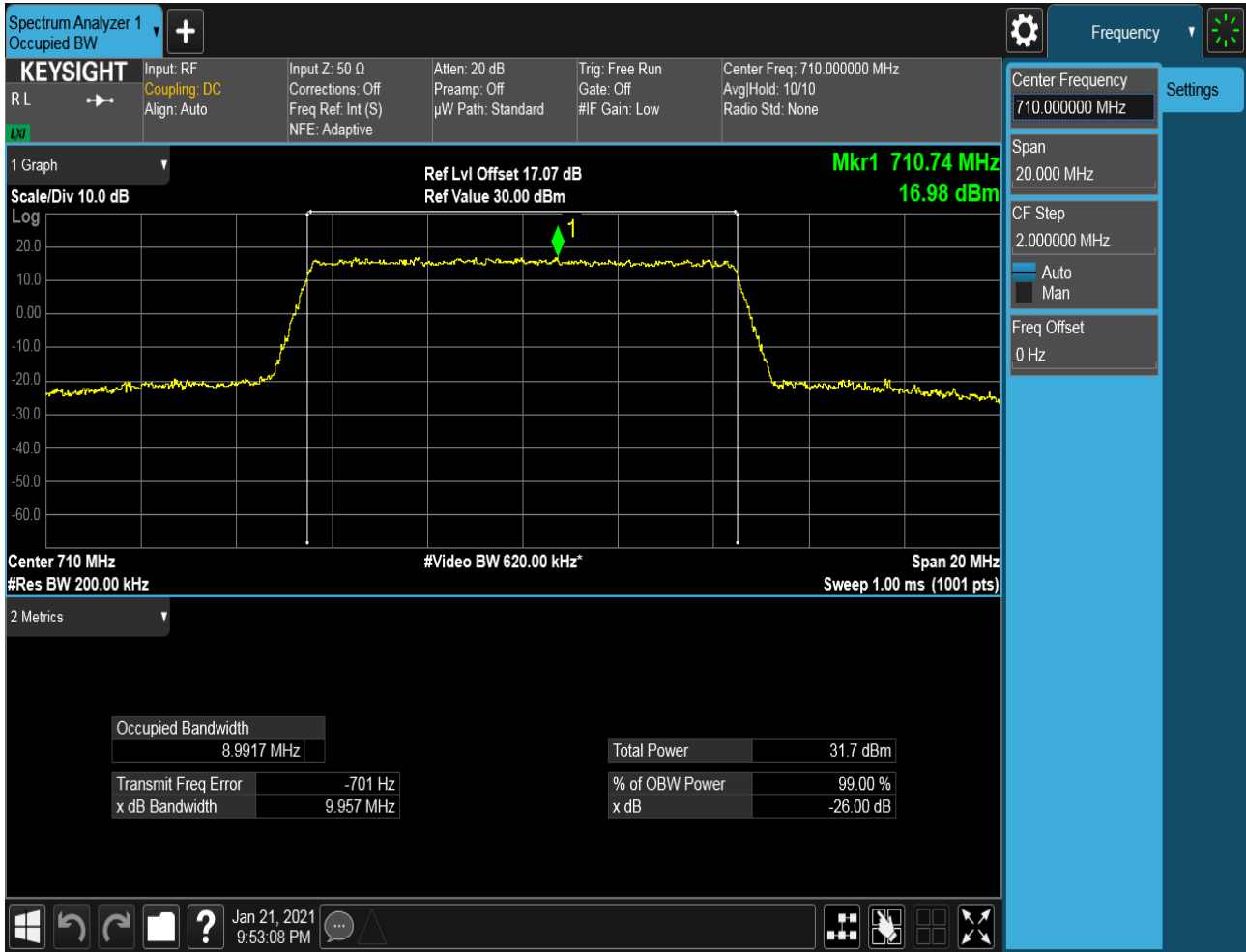
4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB50#0



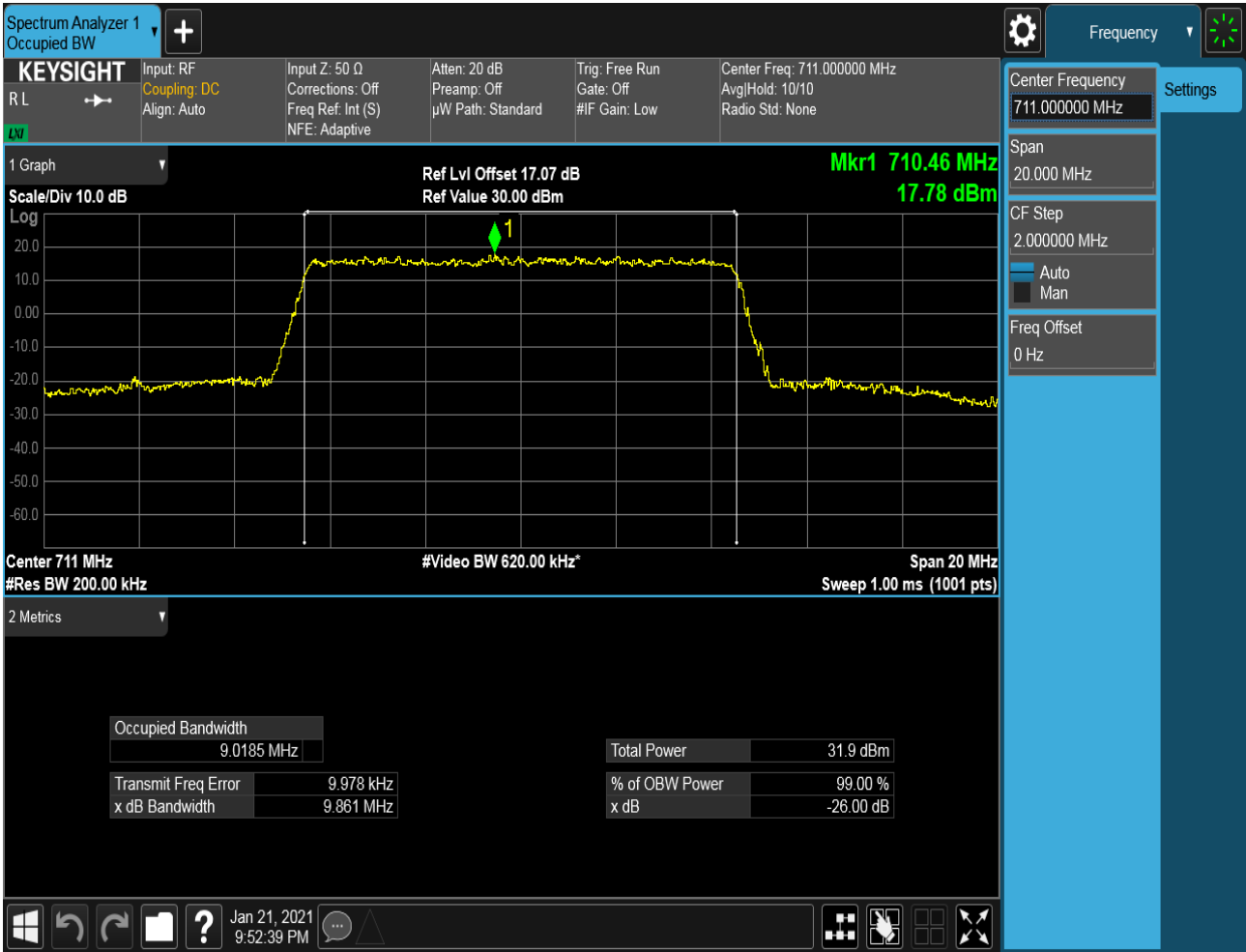
4.1.1.1.2.2 Test Channel = MCH

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

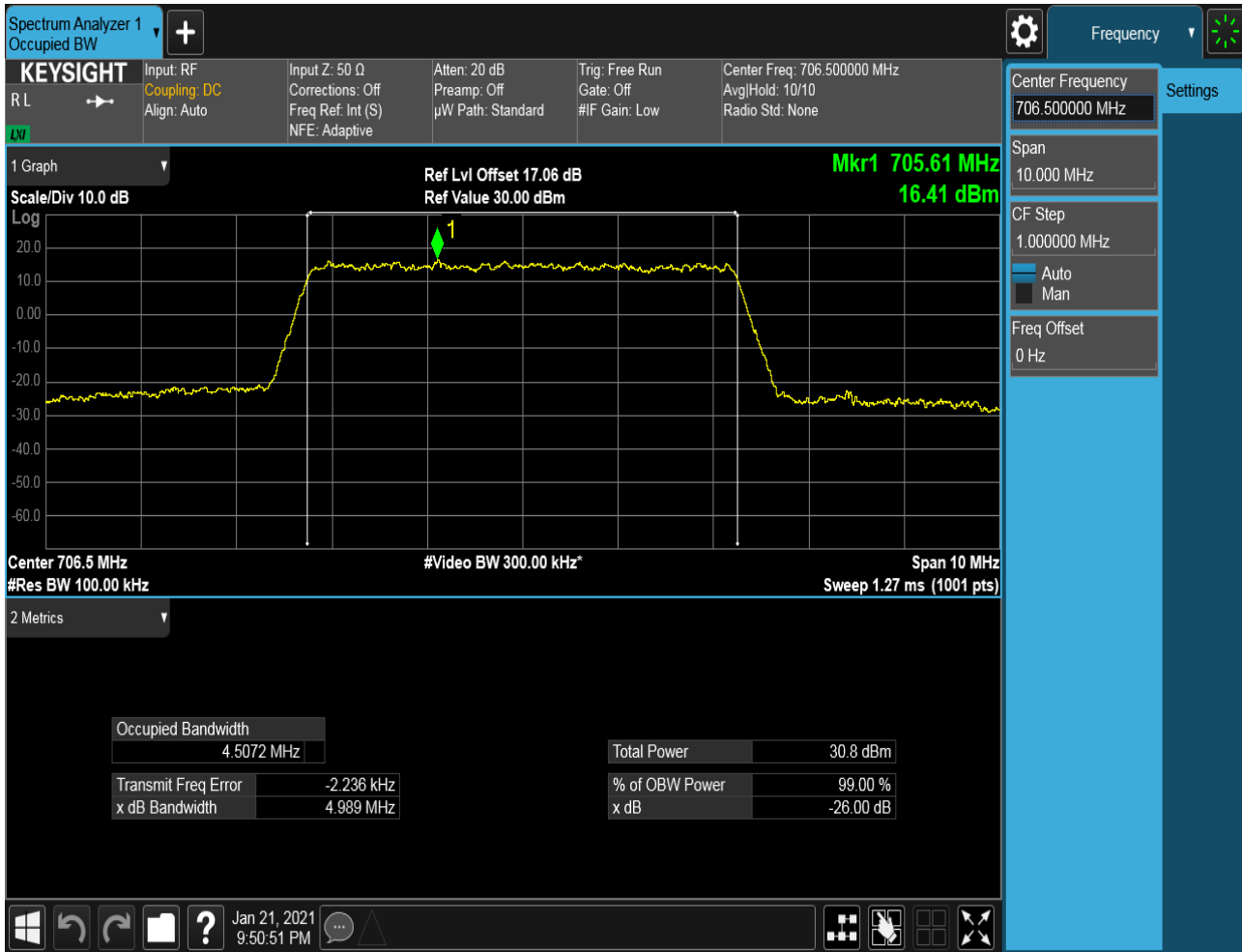


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 5

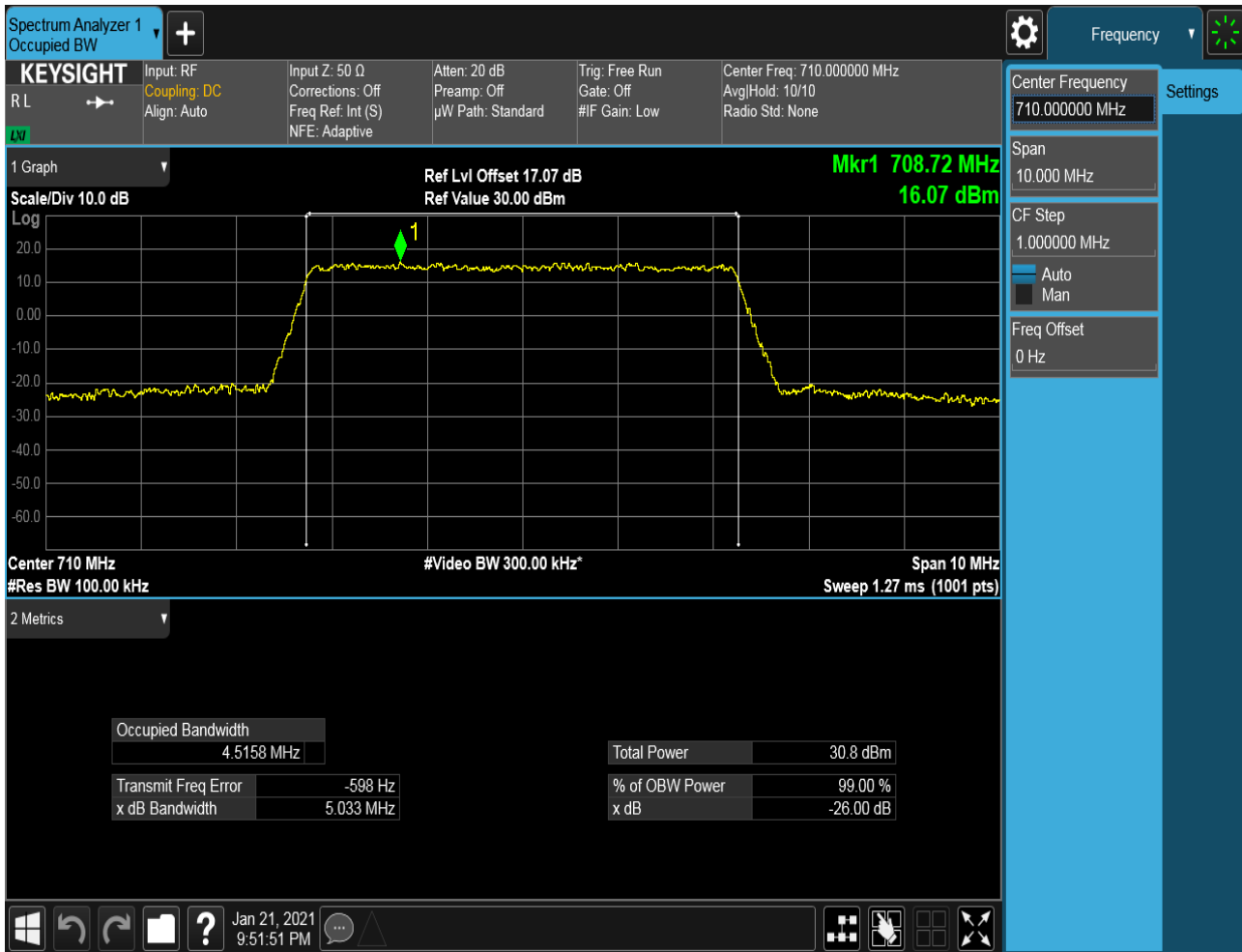
4.1.1.2.1.1 Test Channel = LCH

4.1.1.2.1.1.1 Test RB = RB25#0



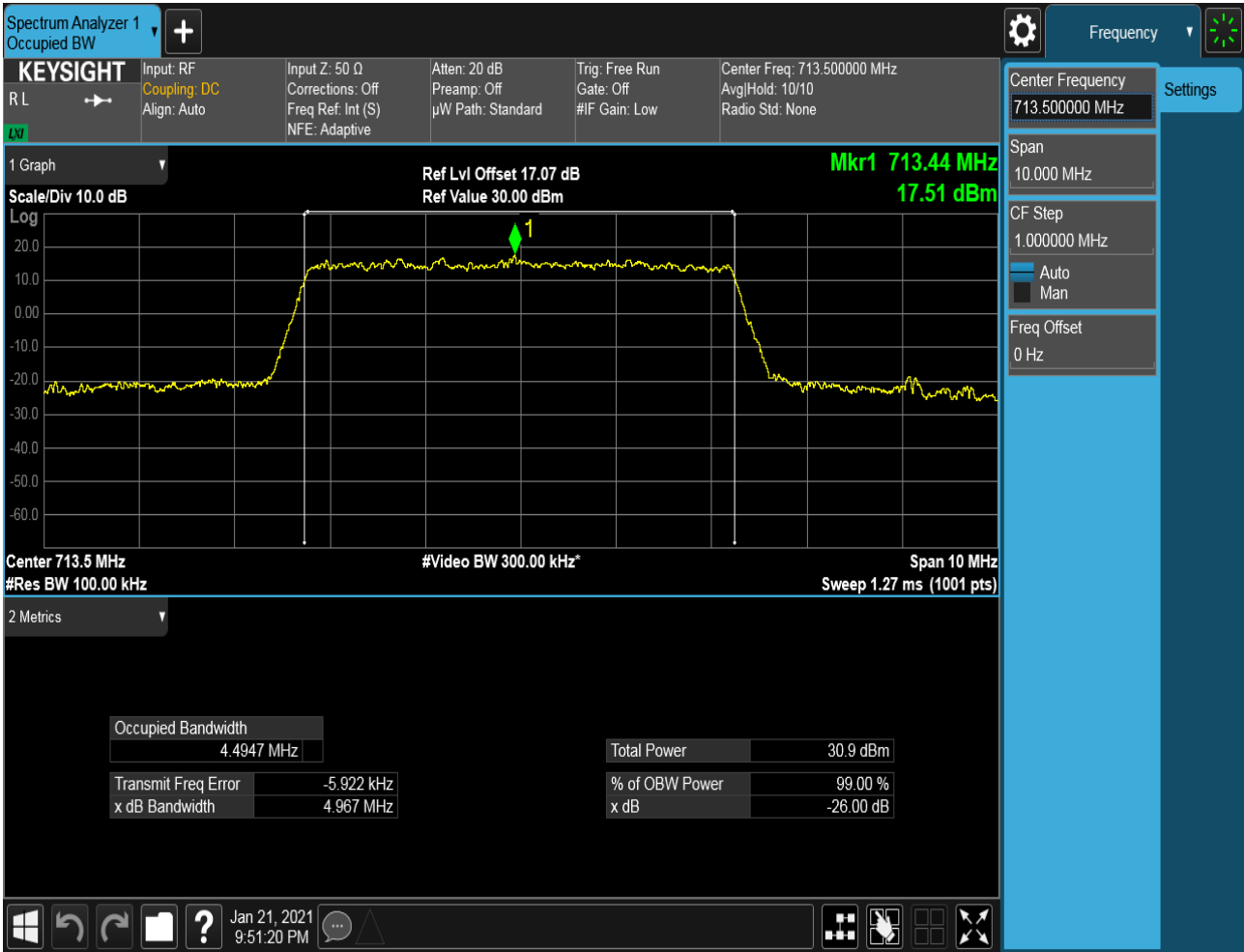
### 4.1.1.2.1.2 Test Channel = MCH

#### 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

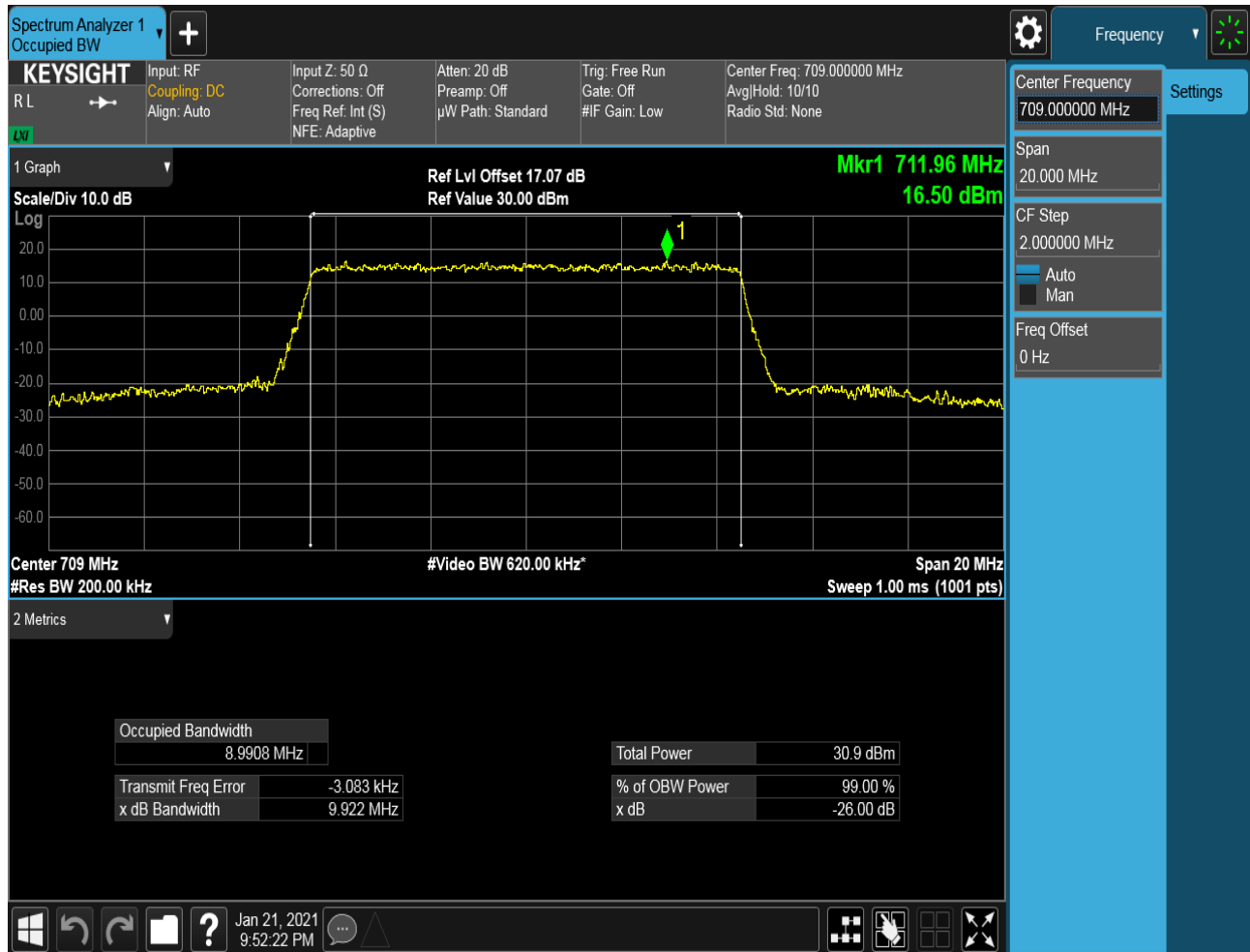




4.1.1.2.2 Test Bandwidth = 10

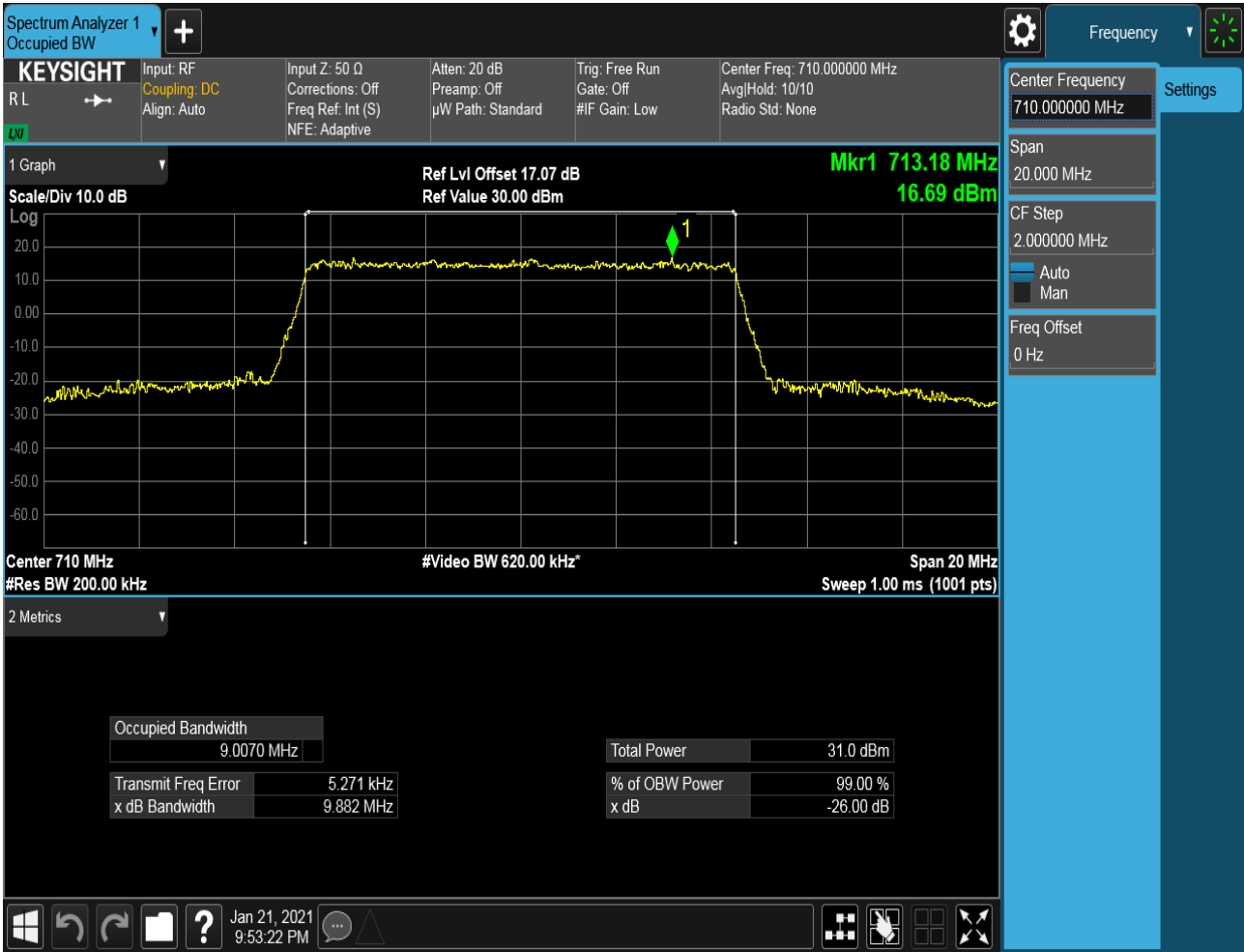
4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB50#0



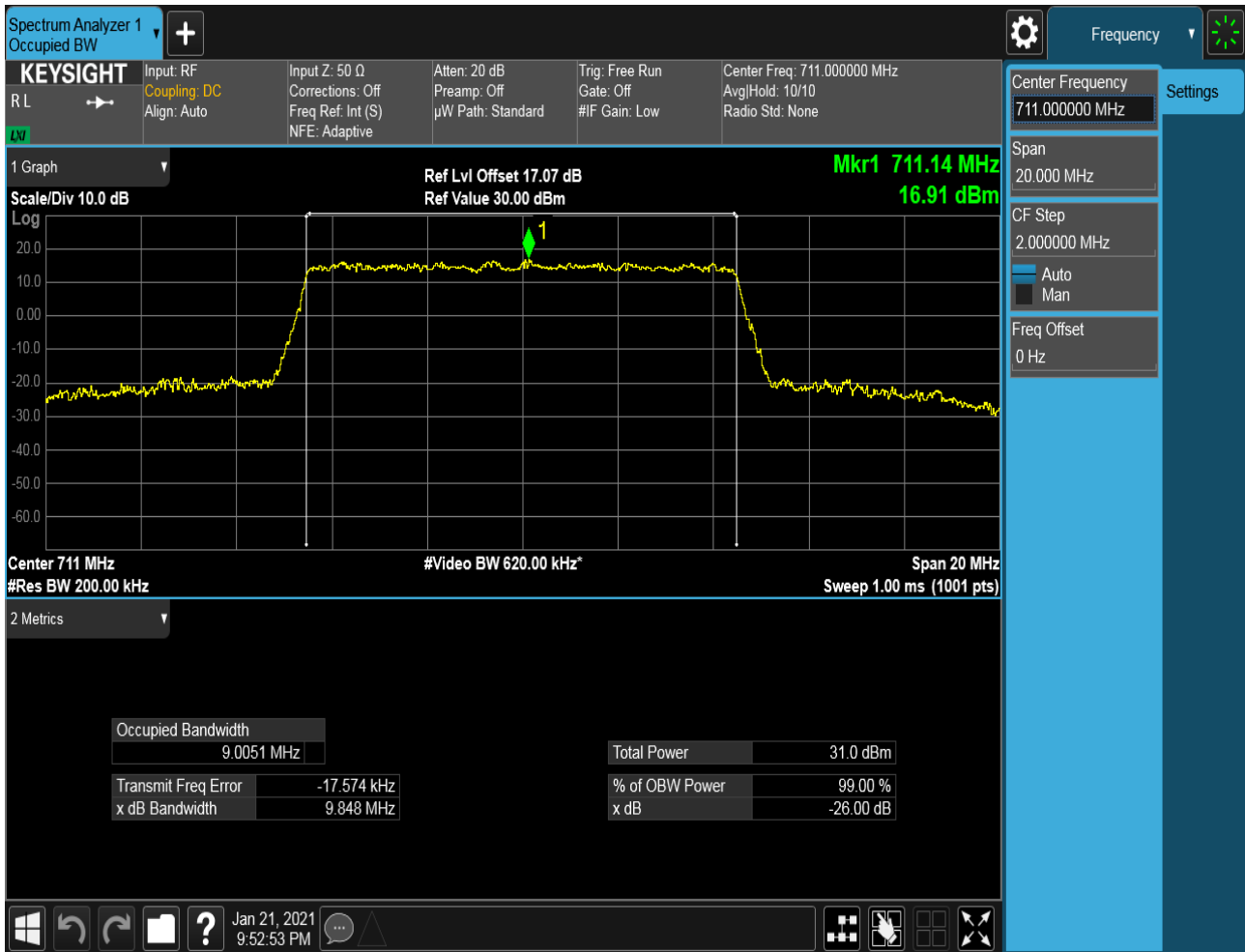
### 4.1.1.2.2.2 Test Channel = MCH

#### 4.1.1.2.2.2.1 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

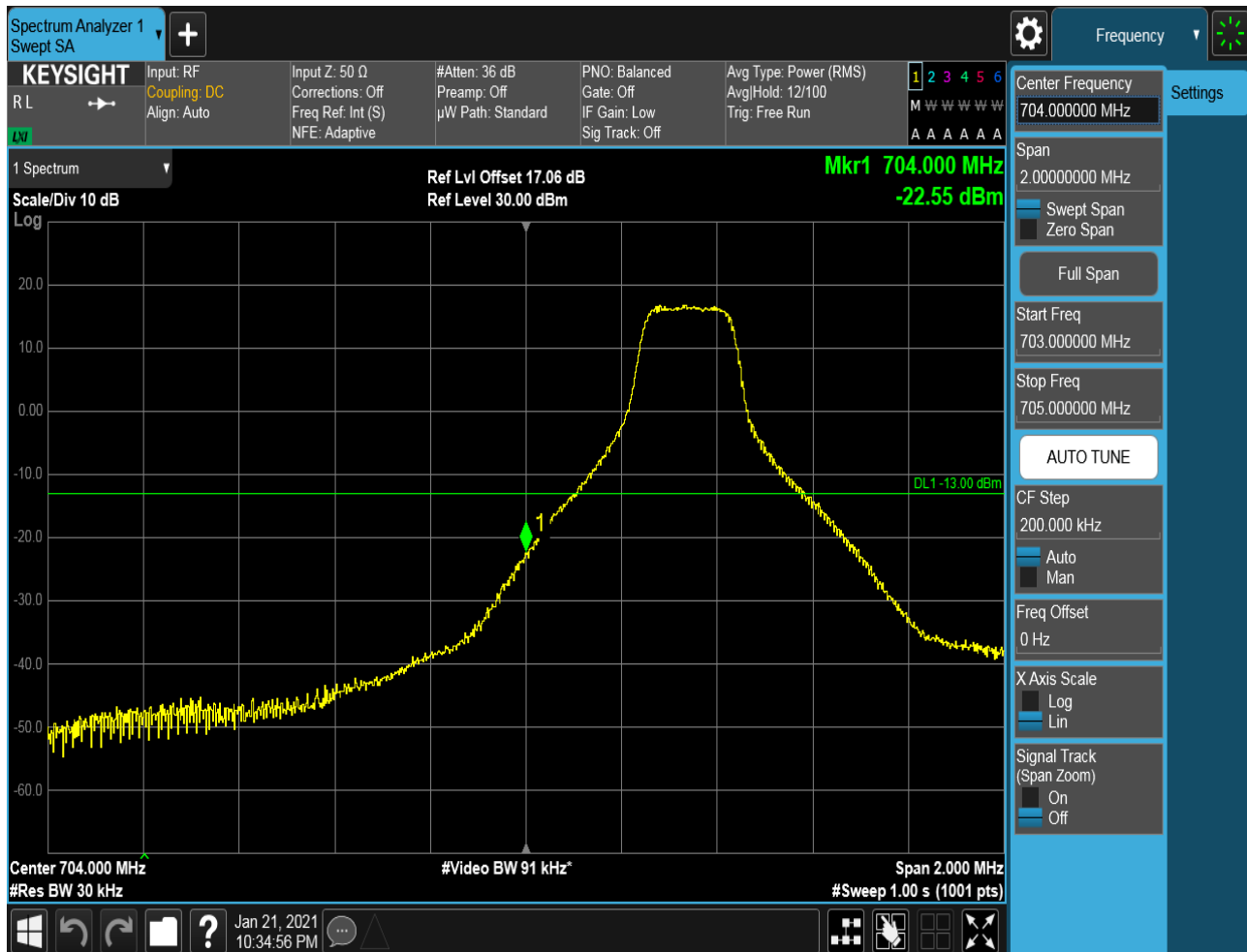
#### 5.1.1 Test Band = Band17

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

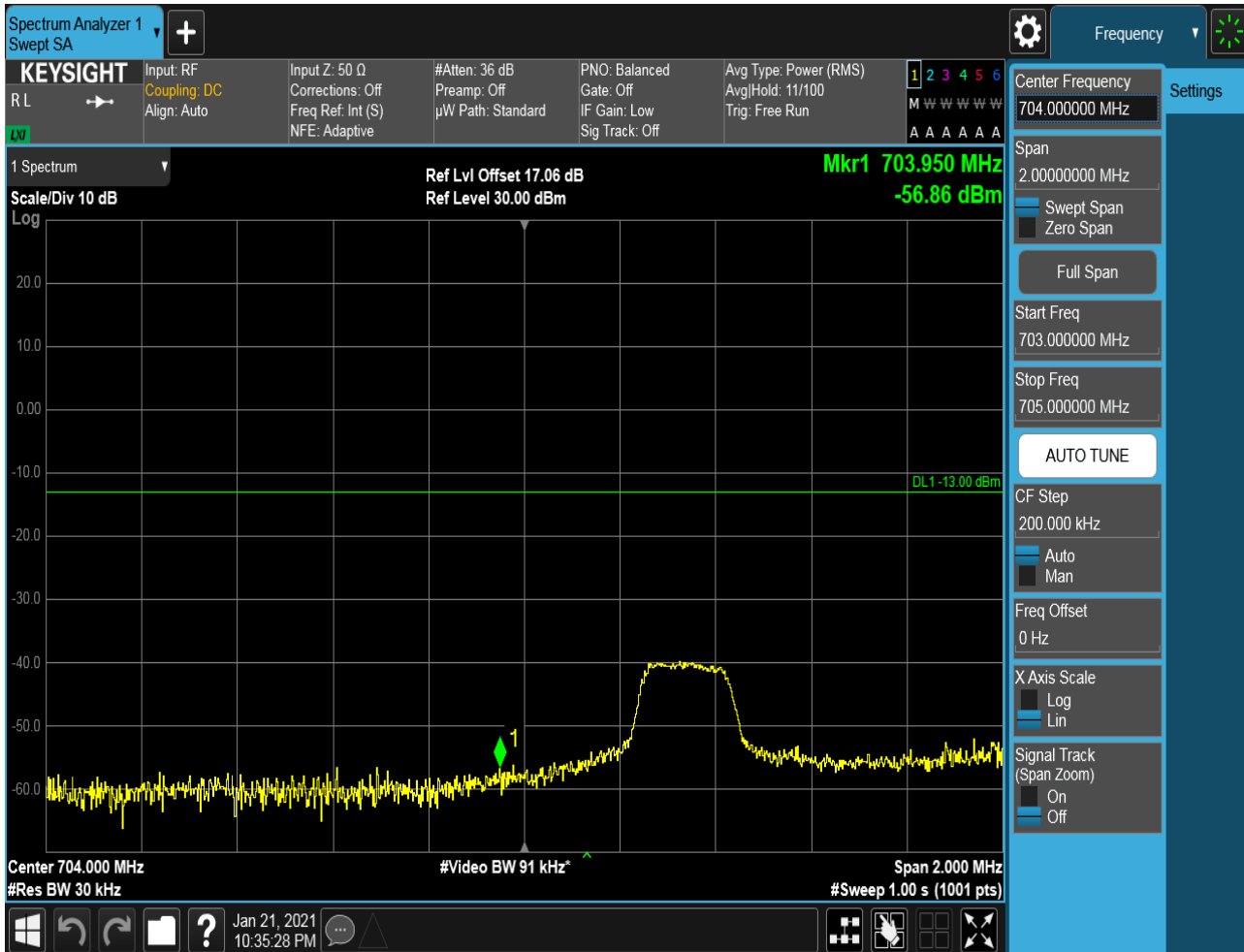
##### 5.1.1.1.1 Test Bandwidth = 5

##### 5.1.1.1.1.1 Test Channel = LCH

##### 5.1.1.1.1.1.1 Test RB = RB1#0



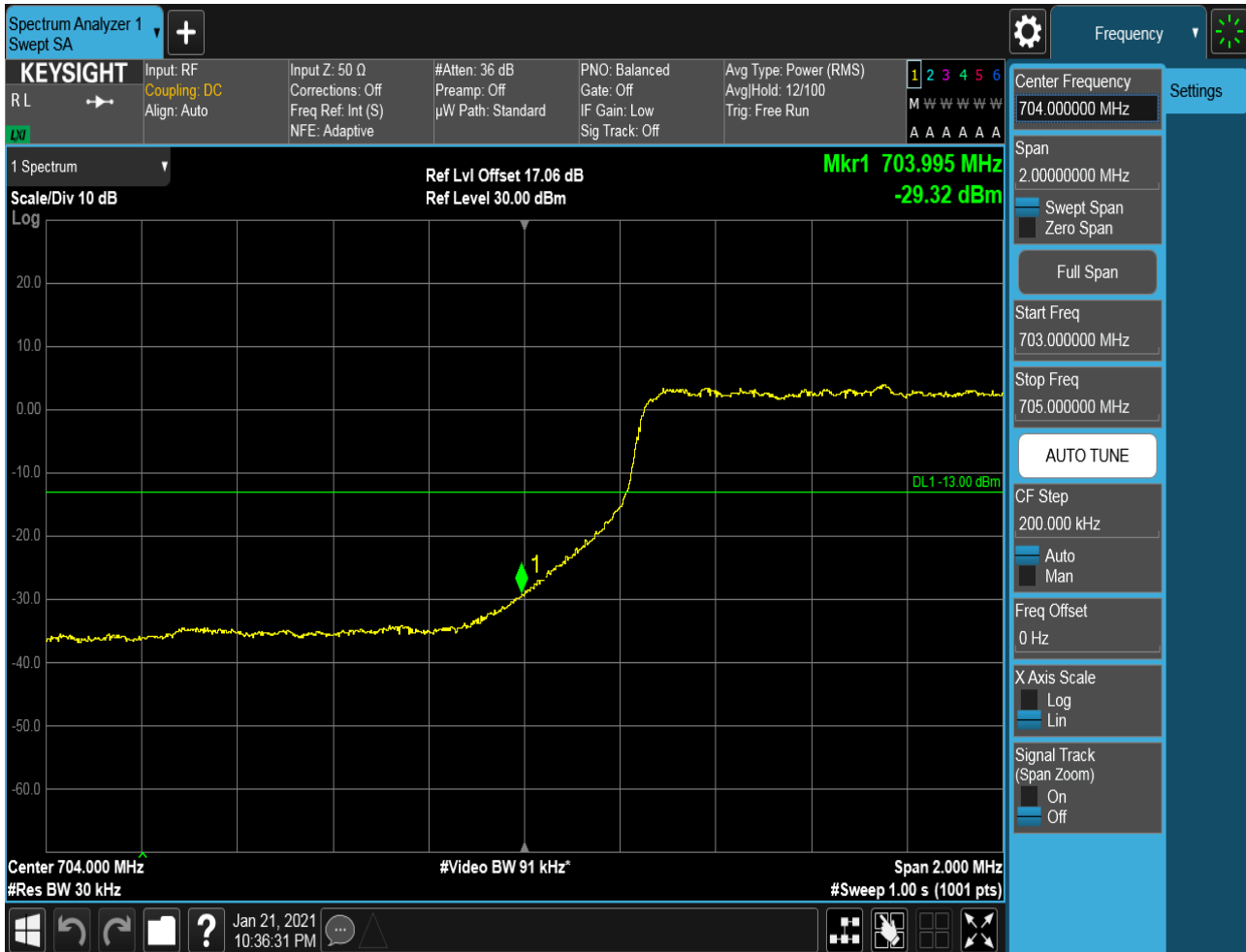
## 5.1.1.1.1.2 Test RB = RB1#24



## 5.1.1.1.1.3 Test RB = RB12#6

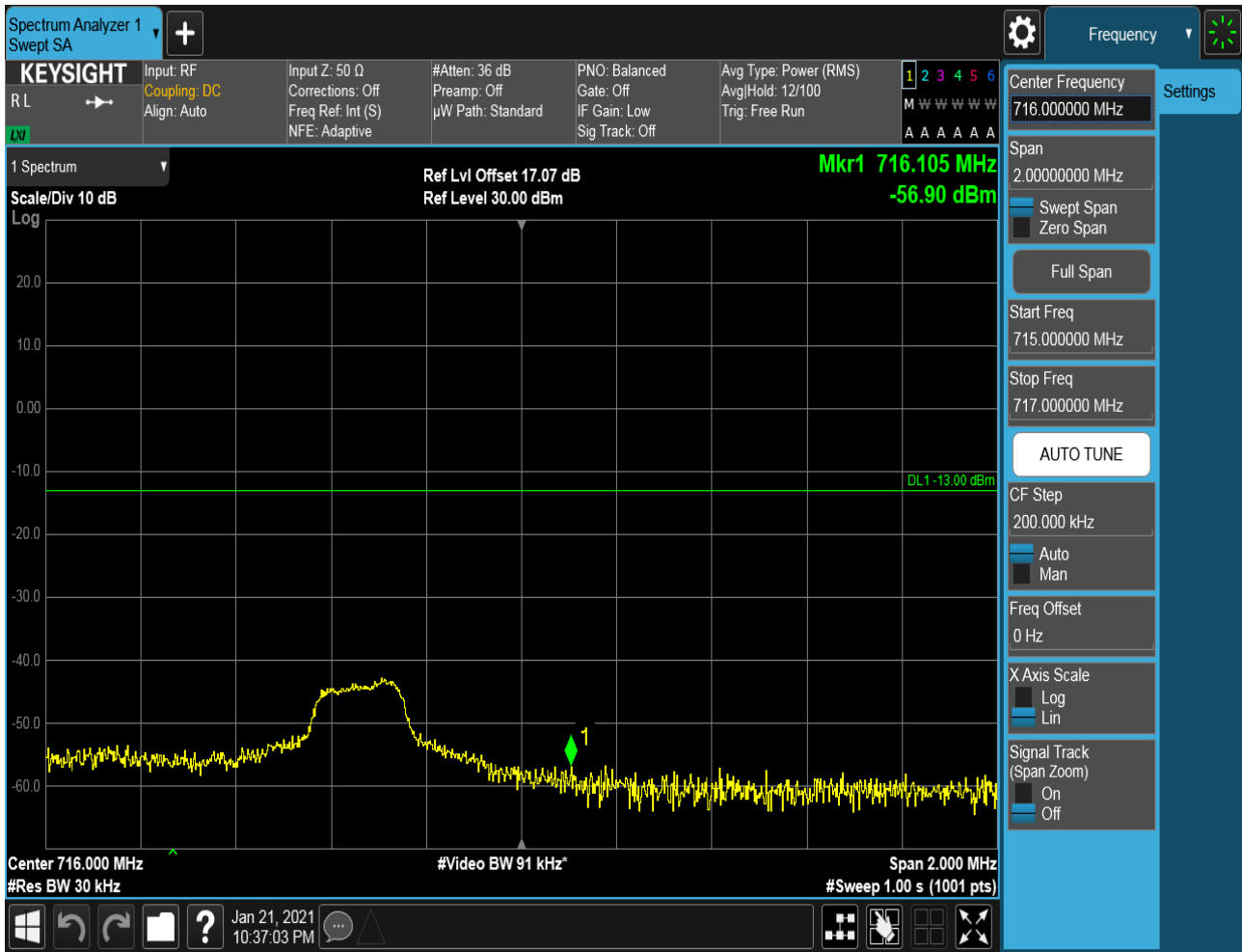


## 5.1.1.1.1.4 Test RB = RB25#0



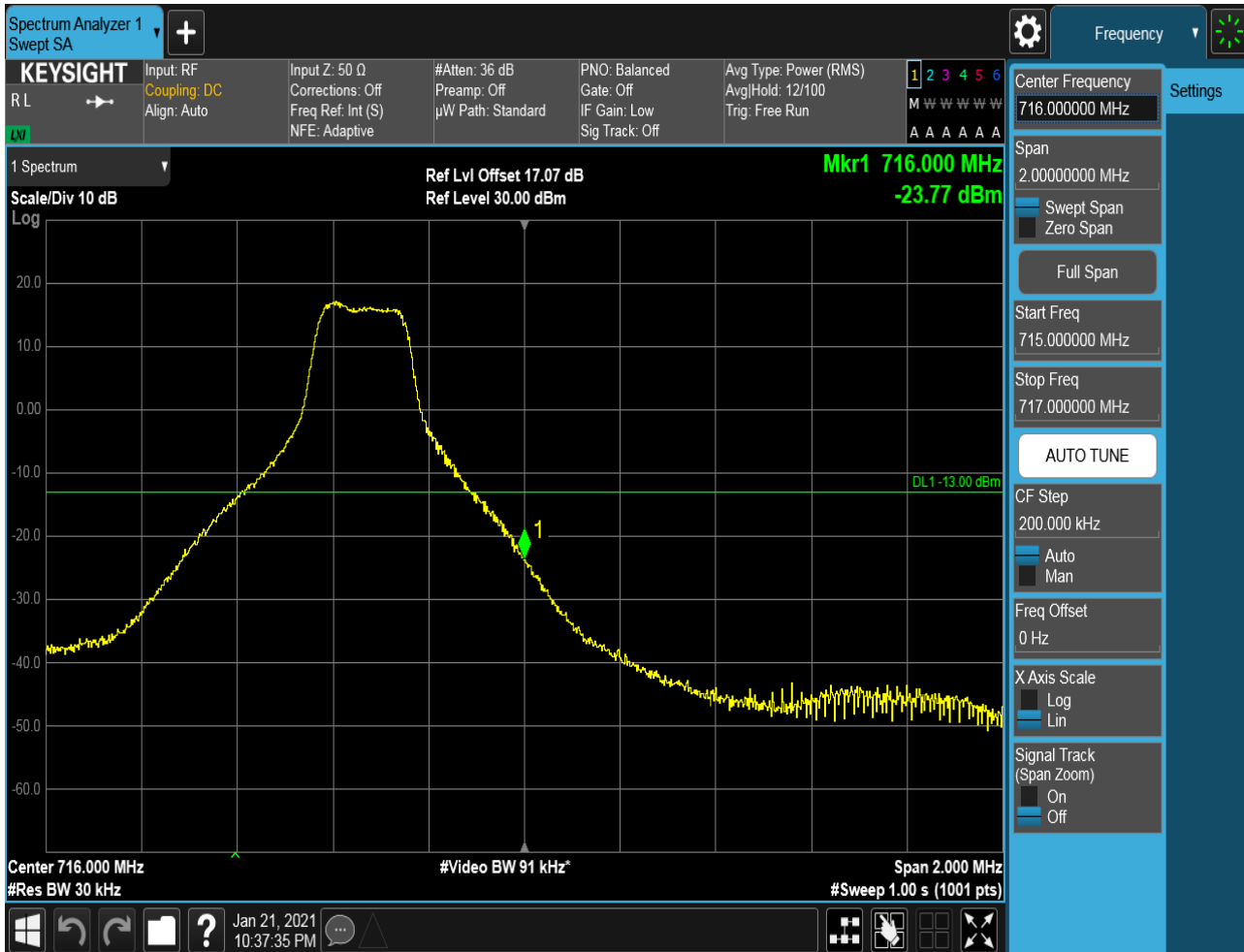
## 5.1.1.1.1.2 Test Channel = HCH

## 5.1.1.1.1.2.1 Test RB = RB1#0





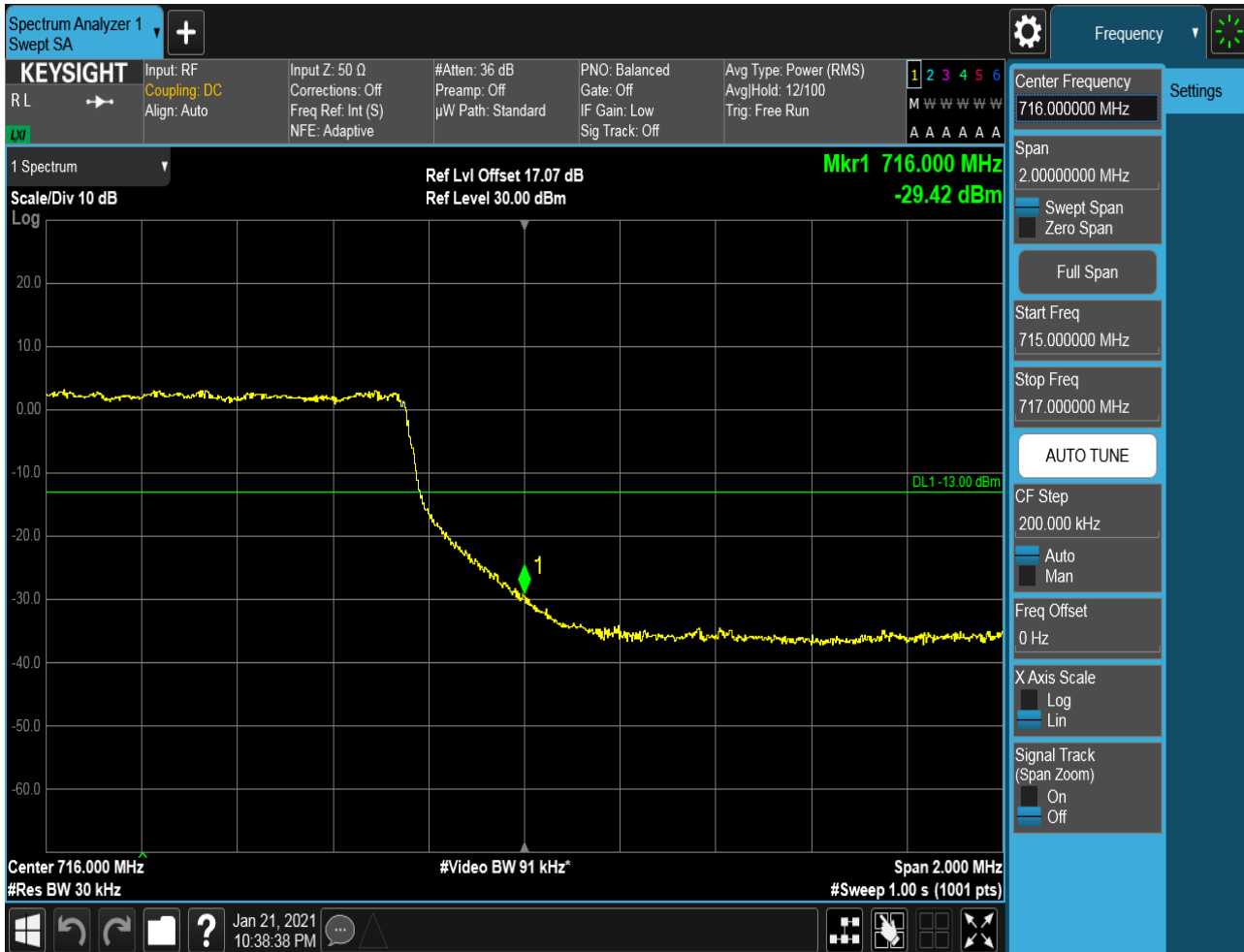
## 5.1.1.1.2.2 Test RB = RB1#24



## 5.1.1.1.1.2.3 Test RB = RB12#6



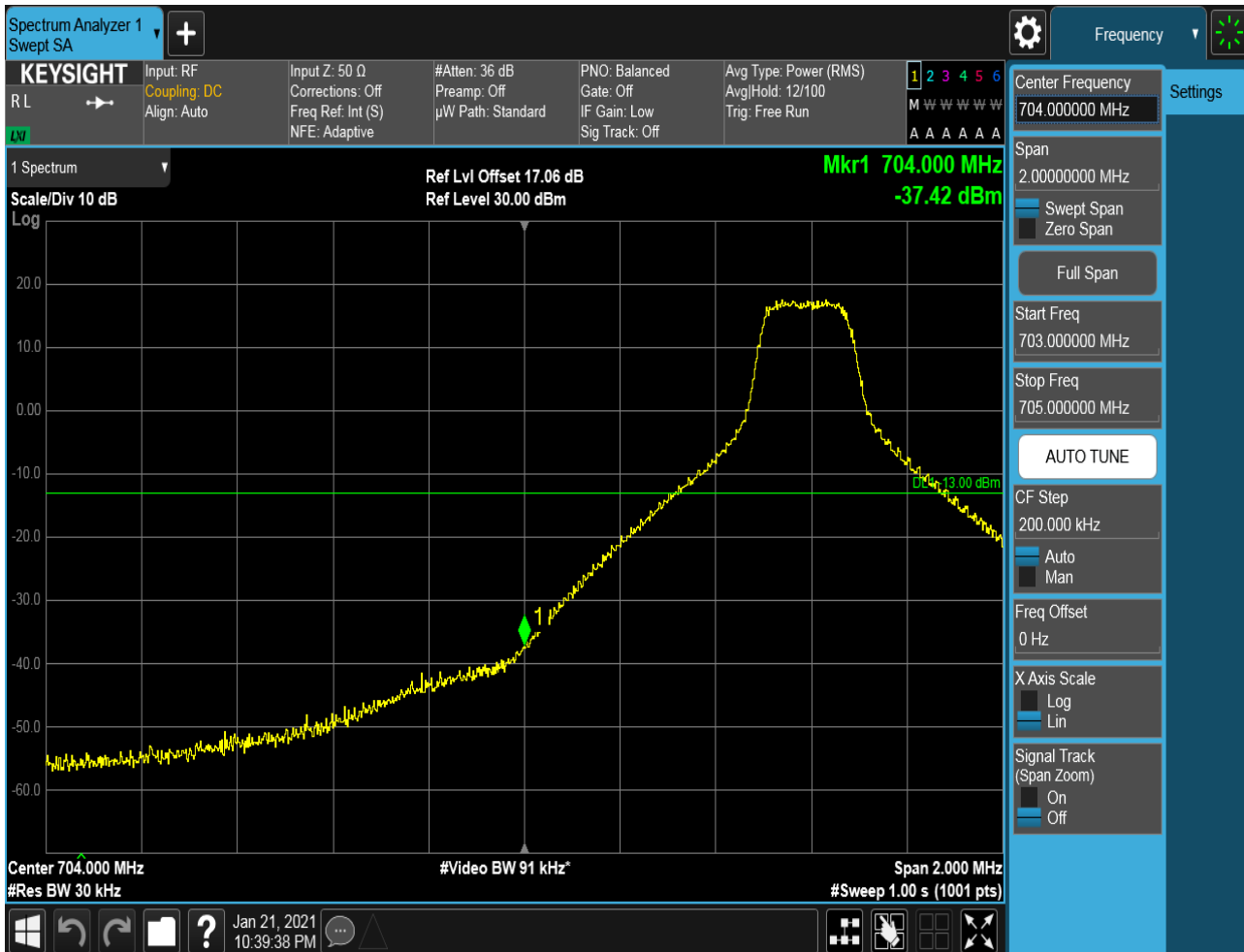
## 5.1.1.1.2.4 Test RB = RB25#0



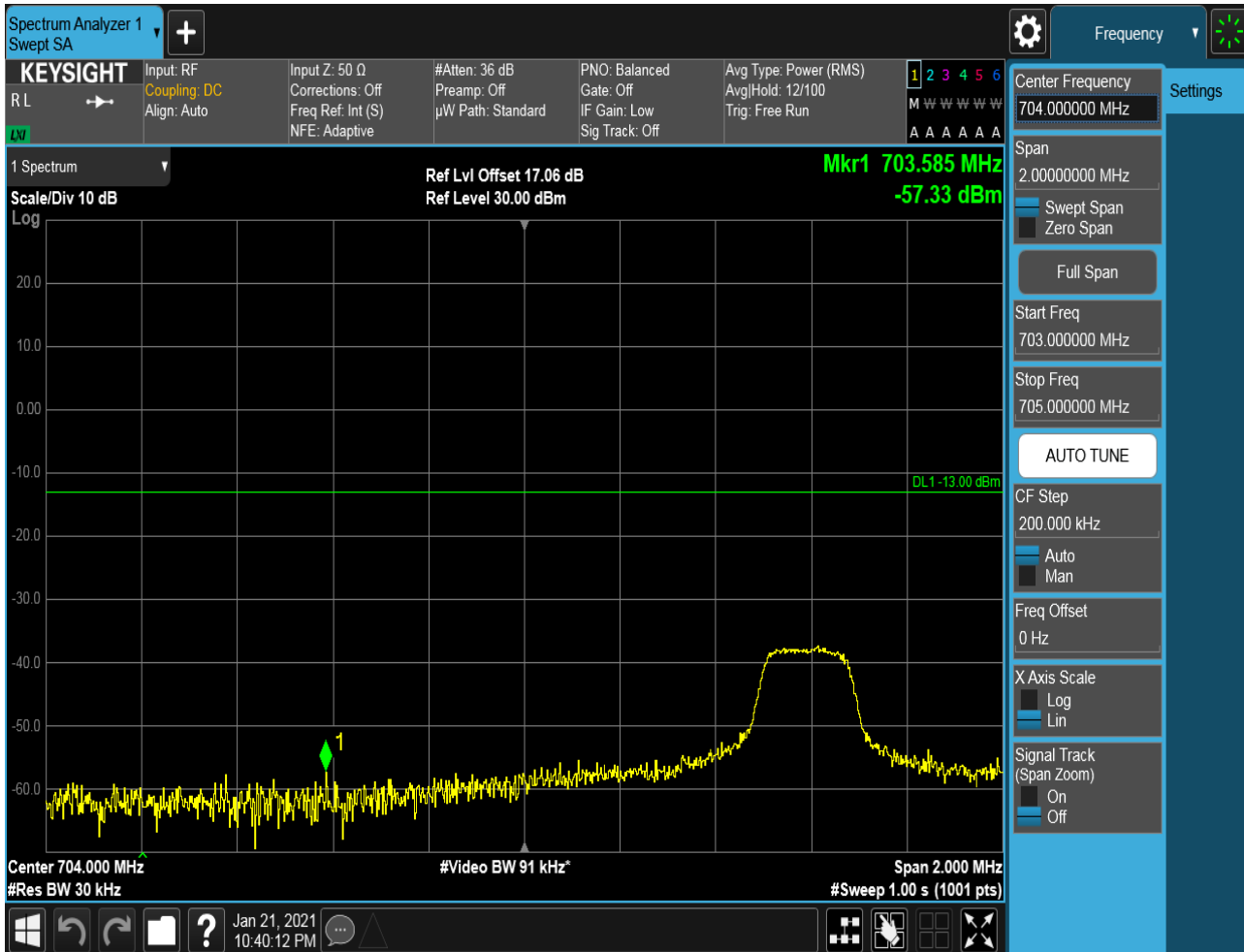
### 5.1.1.1.2 Test Bandwidth = 10

#### 5.1.1.1.2.1 Test Channel = LCH

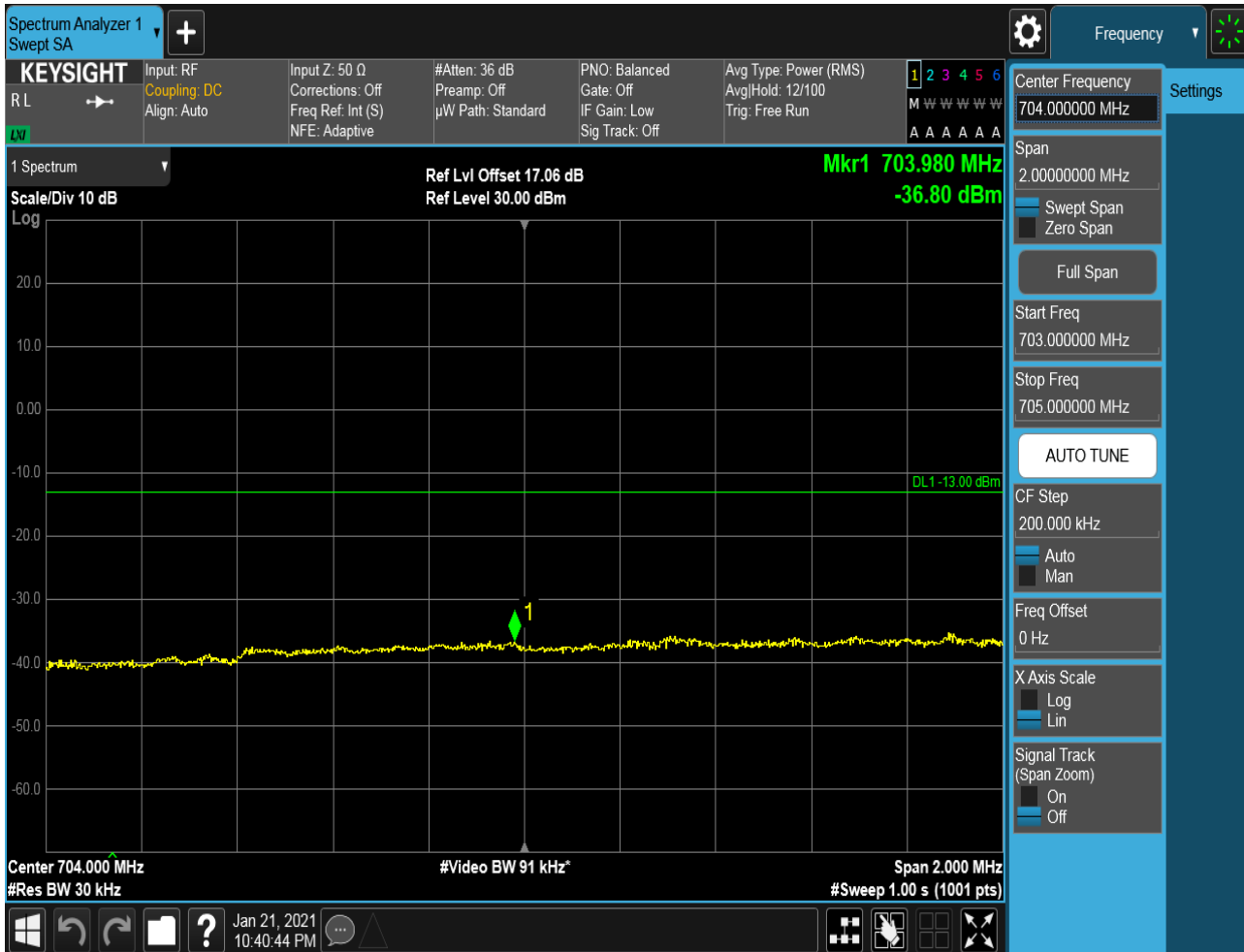
##### 5.1.1.1.2.1.1 Test RB = RB1#0



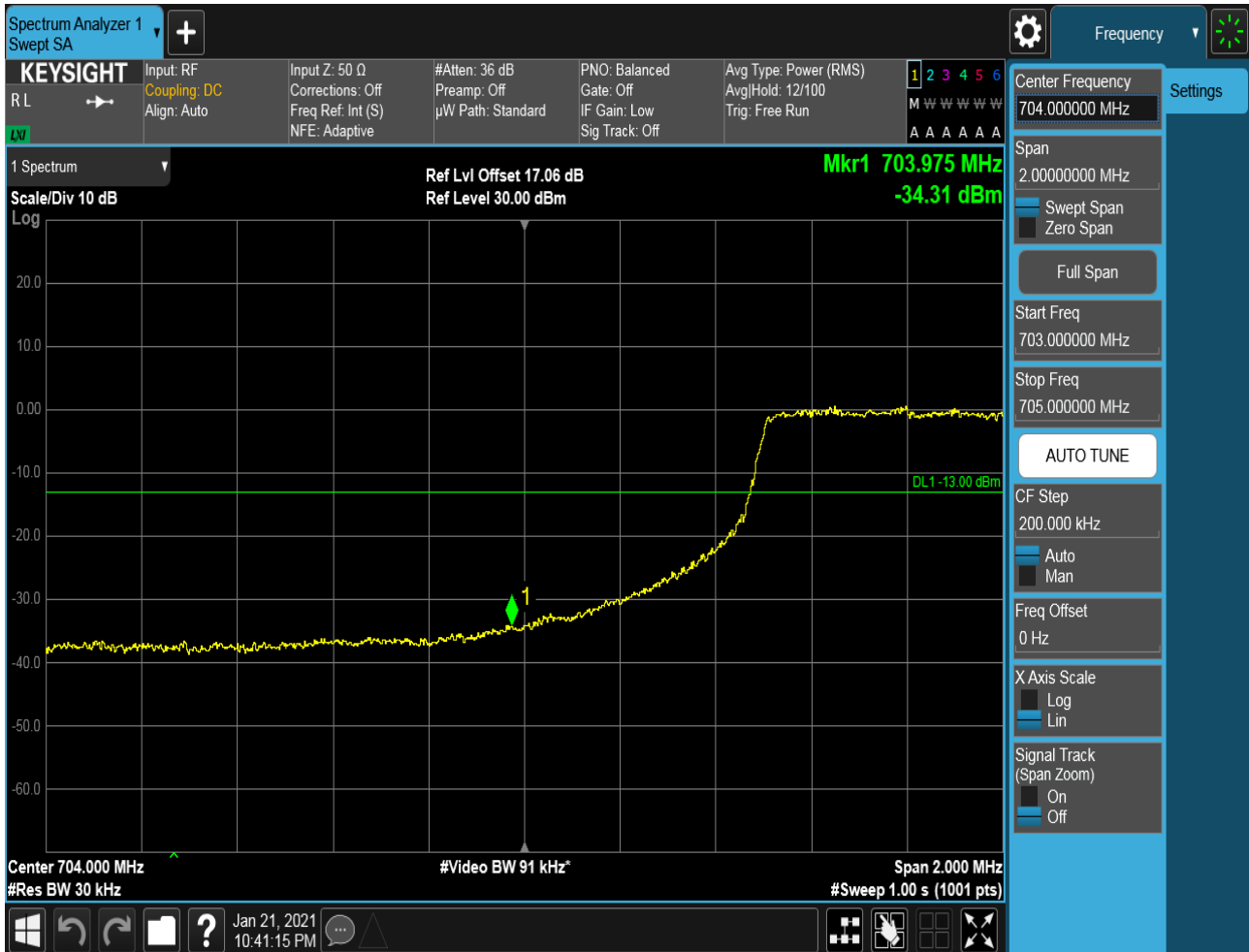
## 5.1.1.1.2.1.2 Test RB = RB1#49



## 5.1.1.1.2.1.3 Test RB = RB25#13

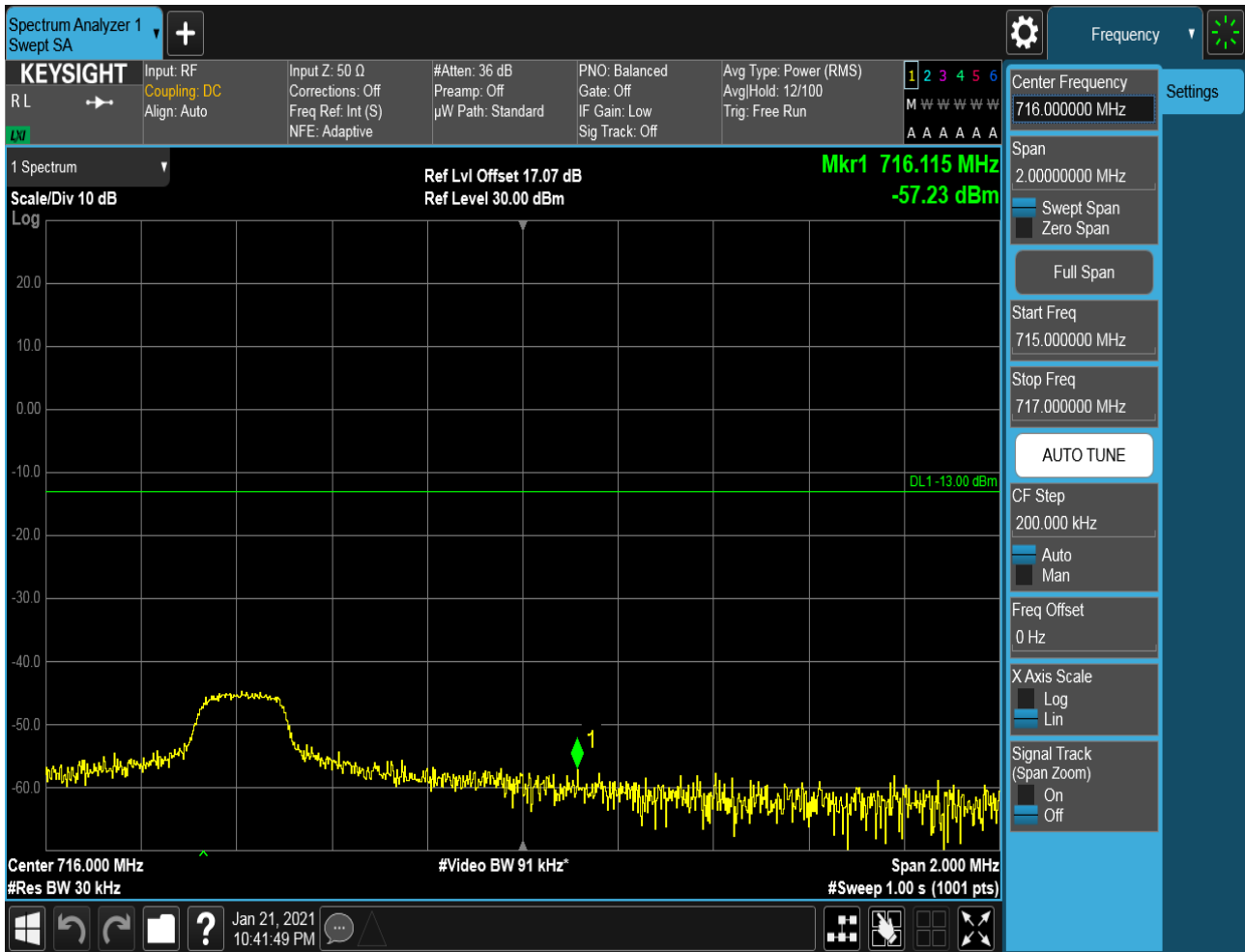


## 5.1.1.1.2.1.4 Test RB = RB50#0



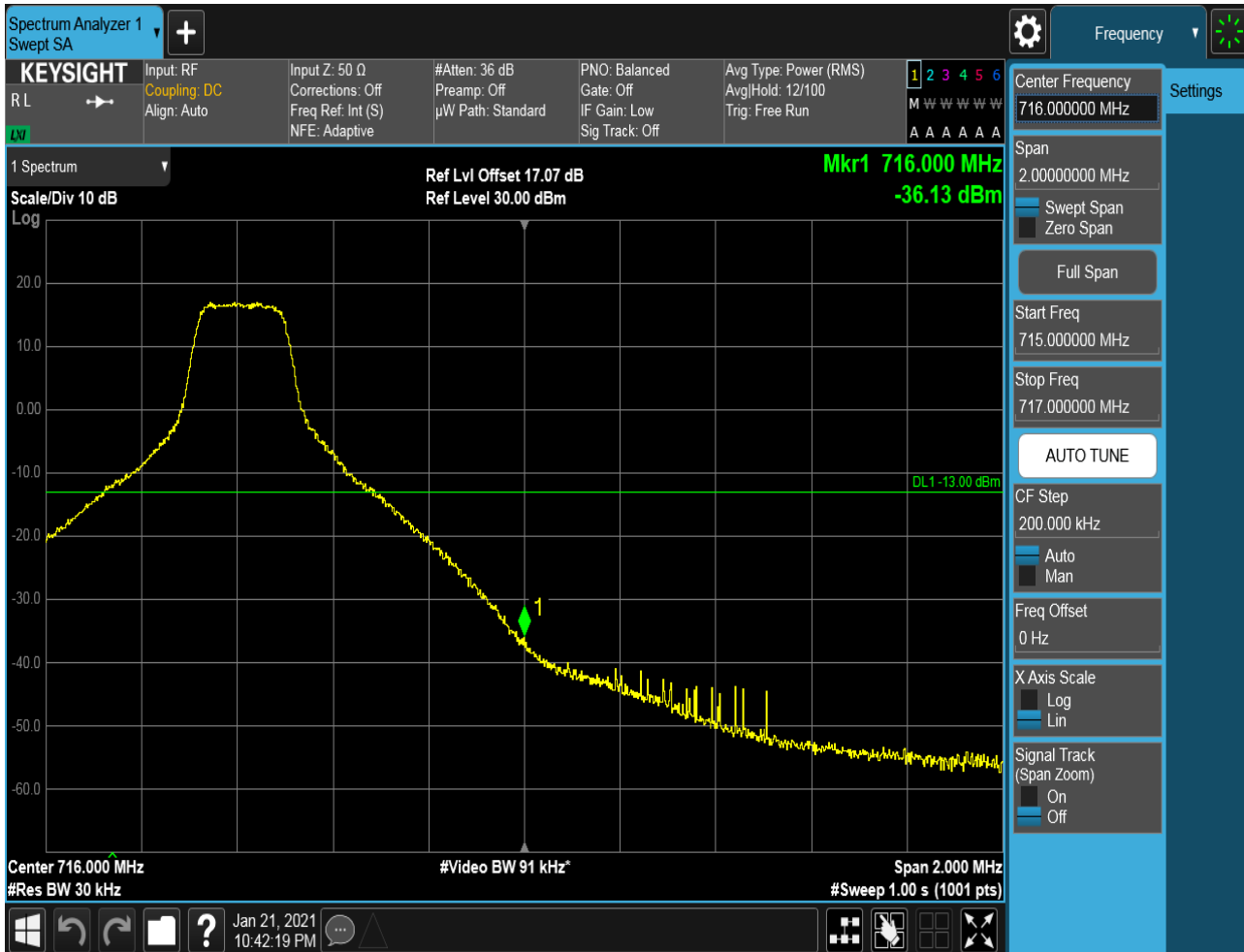
## 5.1.1.1.2.2 Test Channel = HCH

## 5.1.1.1.2.2.1 Test RB = RB1#0

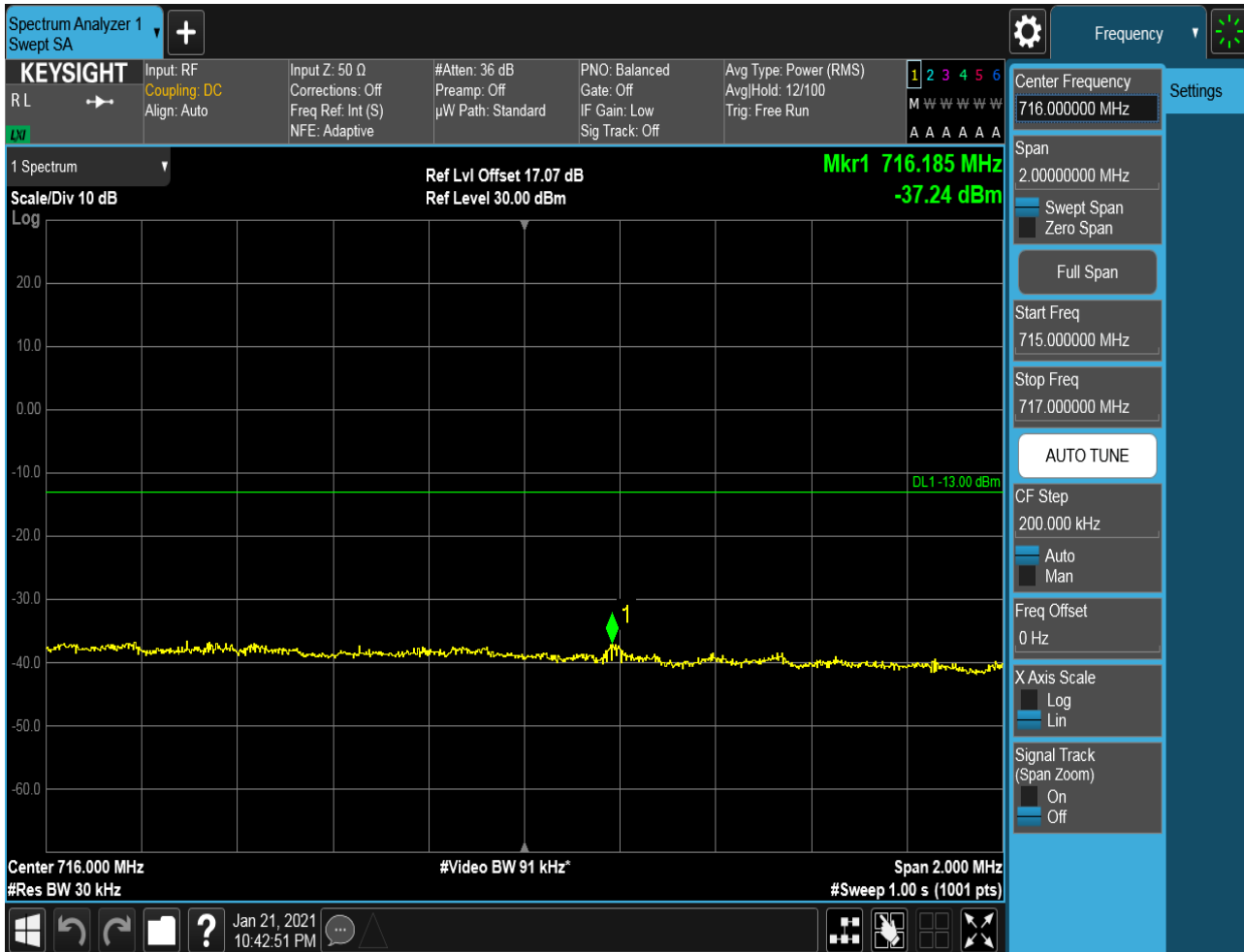




## 5.1.1.1.2.2.2 Test RB = RB1#49



## 5.1.1.1.2.2.3 Test RB = RB25#13



## 5.1.1.1.2.2.4 Test RB = RB50#0

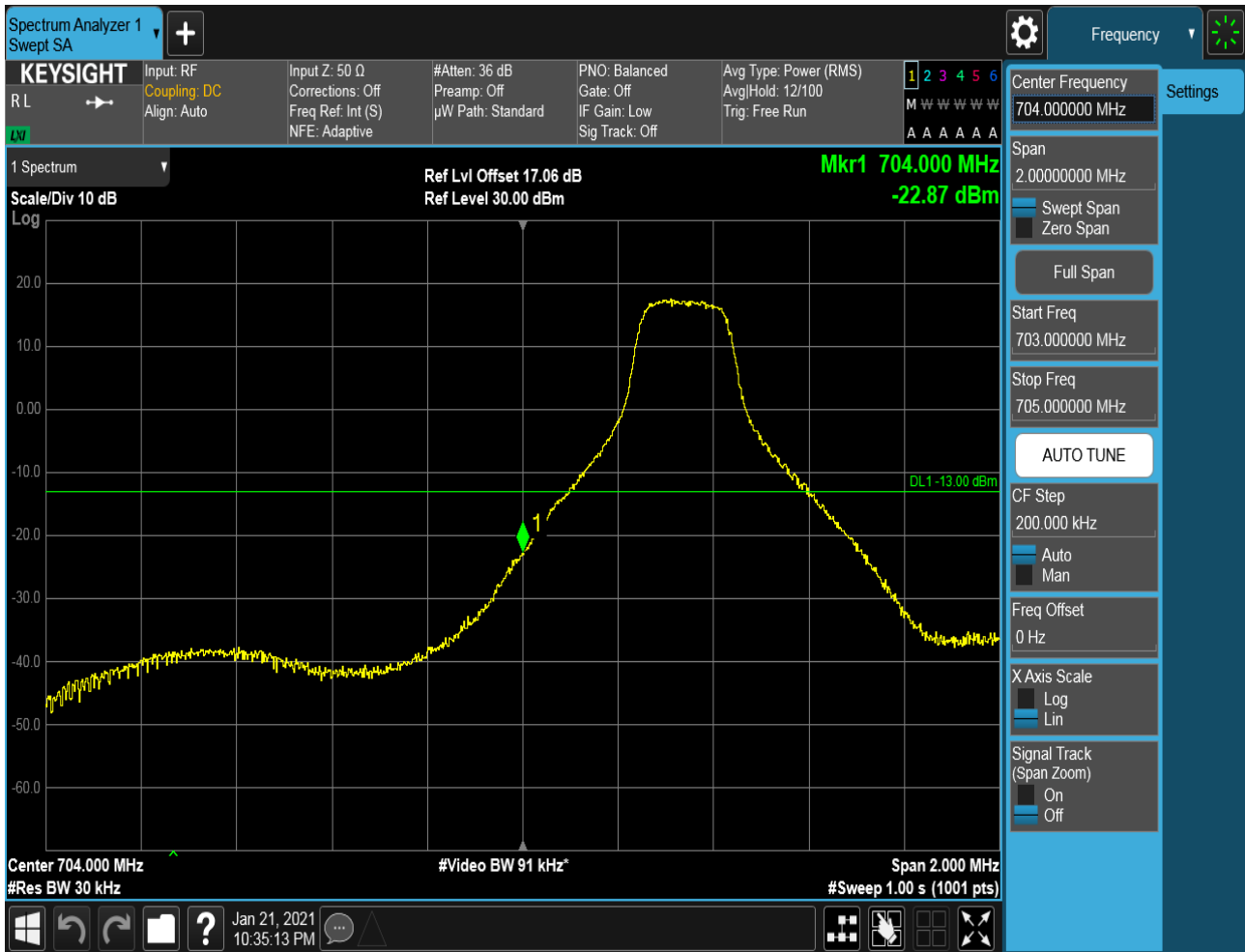


### 5.1.1.2 Test Mode = LTE/TM2

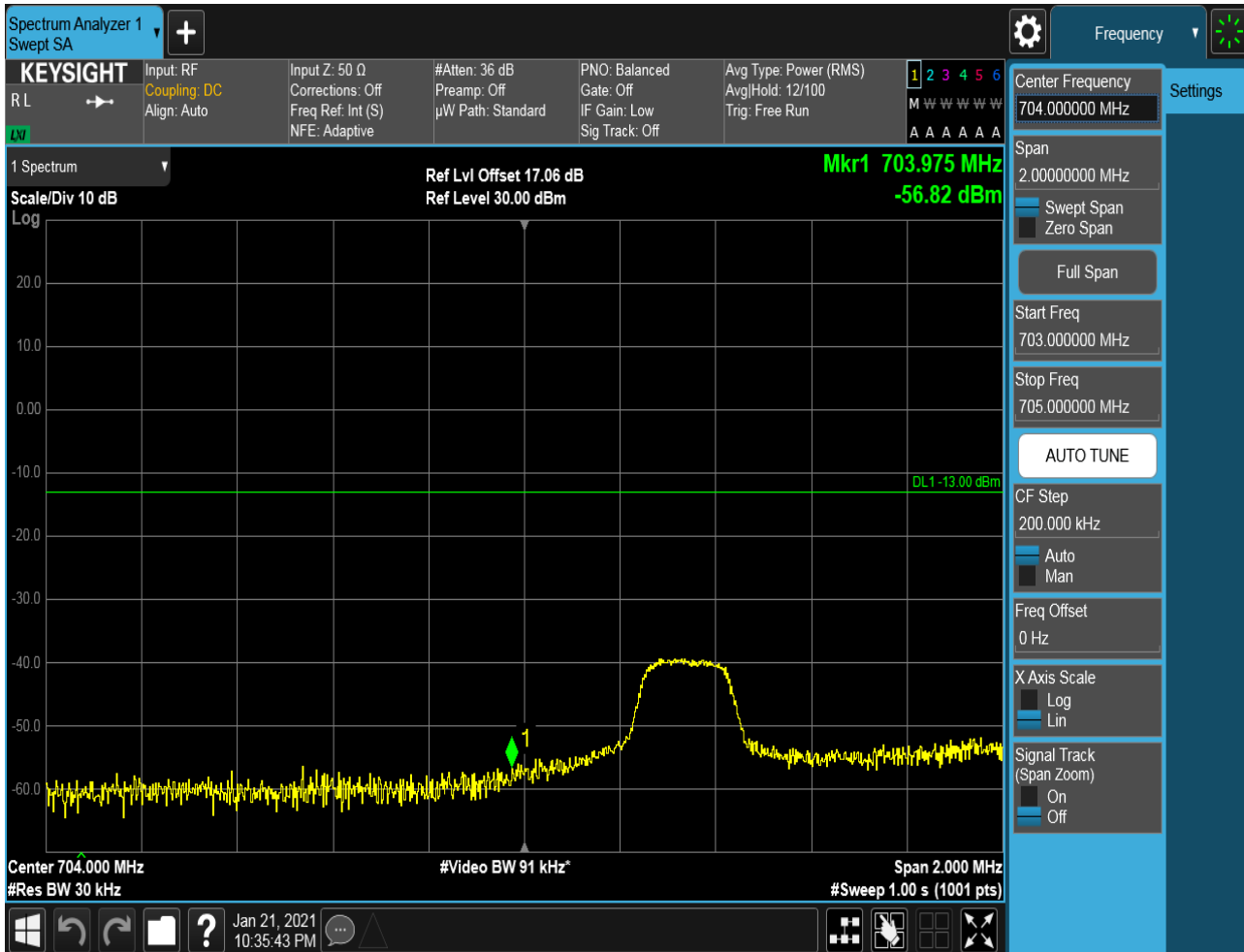
#### 5.1.1.2.1 Test Bandwidth = 5

##### 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

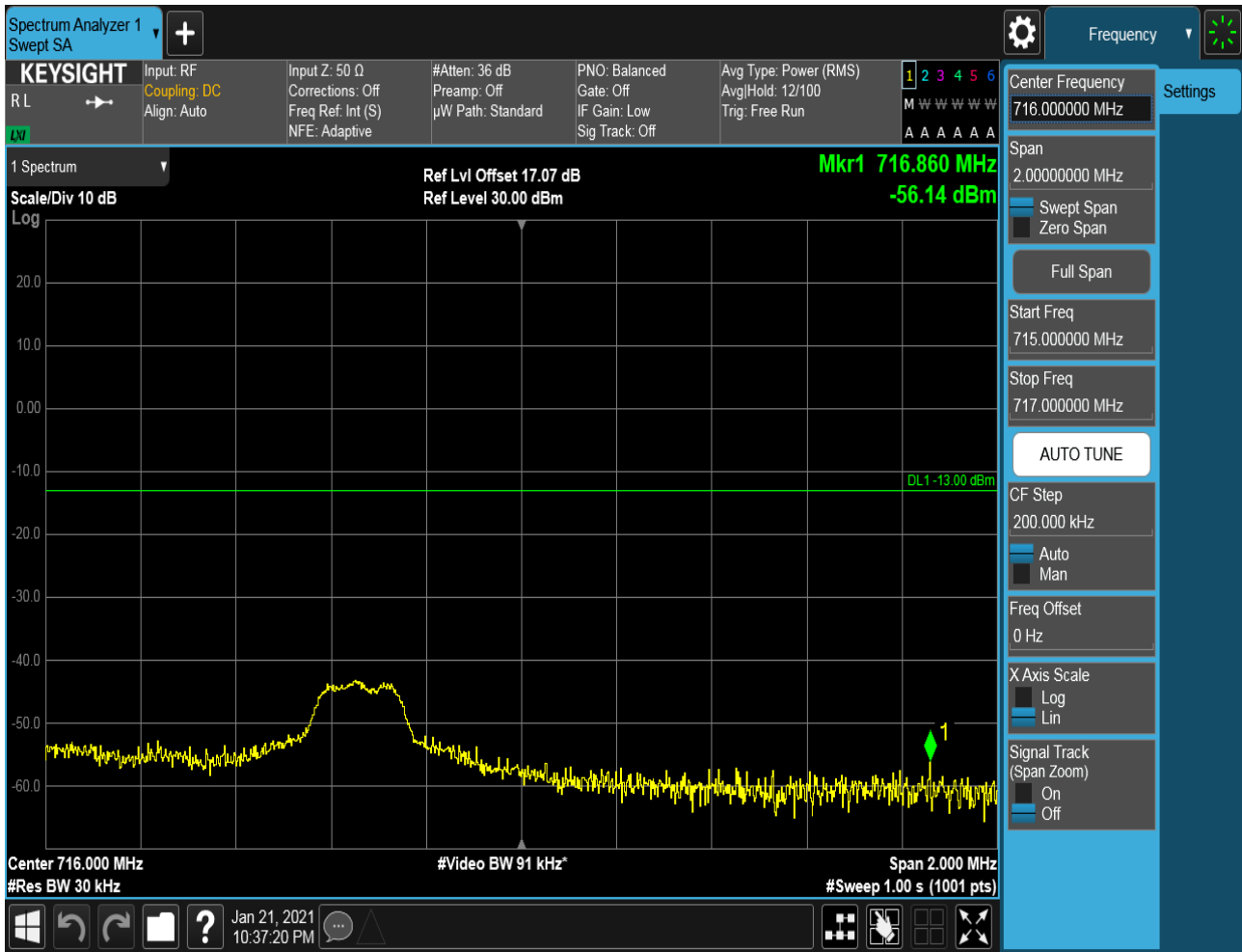


## 5.1.1.2.1.1.4 Test RB = RB25#0



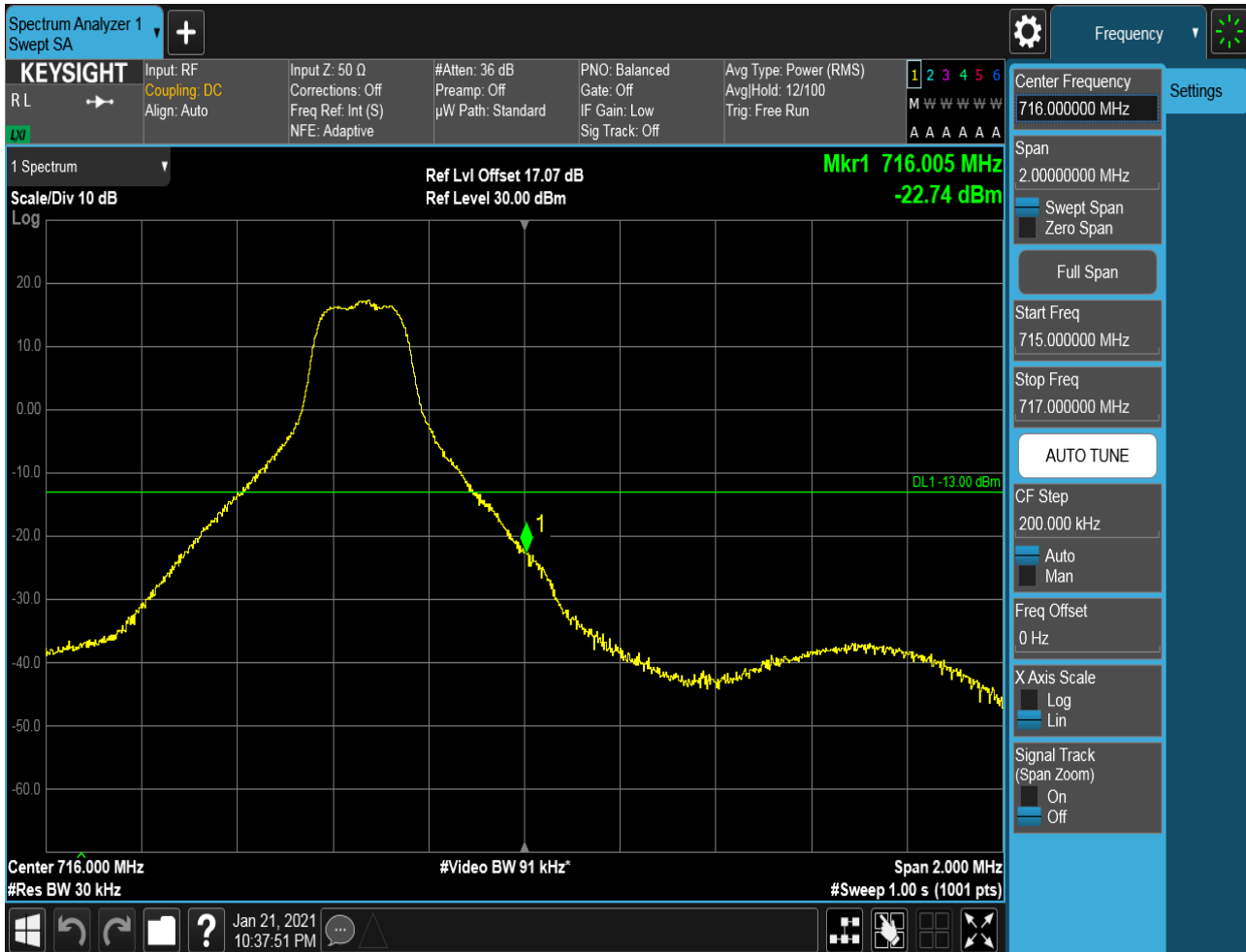
## 5.1.1.2.1.2 Test Channel = HCH

## 5.1.1.2.1.2.1 Test RB = RB1#0





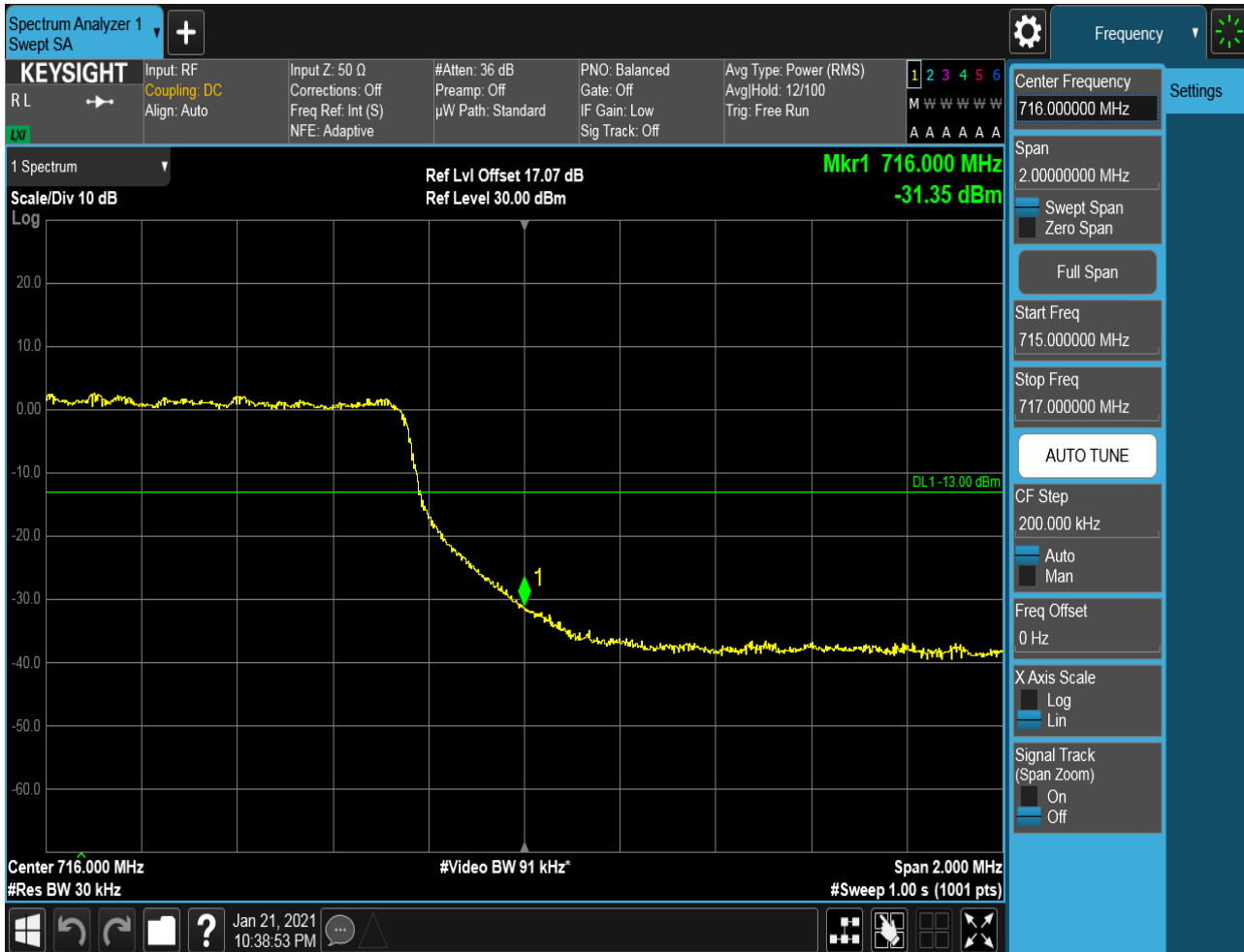
## 5.1.1.2.1.2.2 Test RB = RB1#24



## 5.1.1.2.1.2.3 Test RB = RB12#6



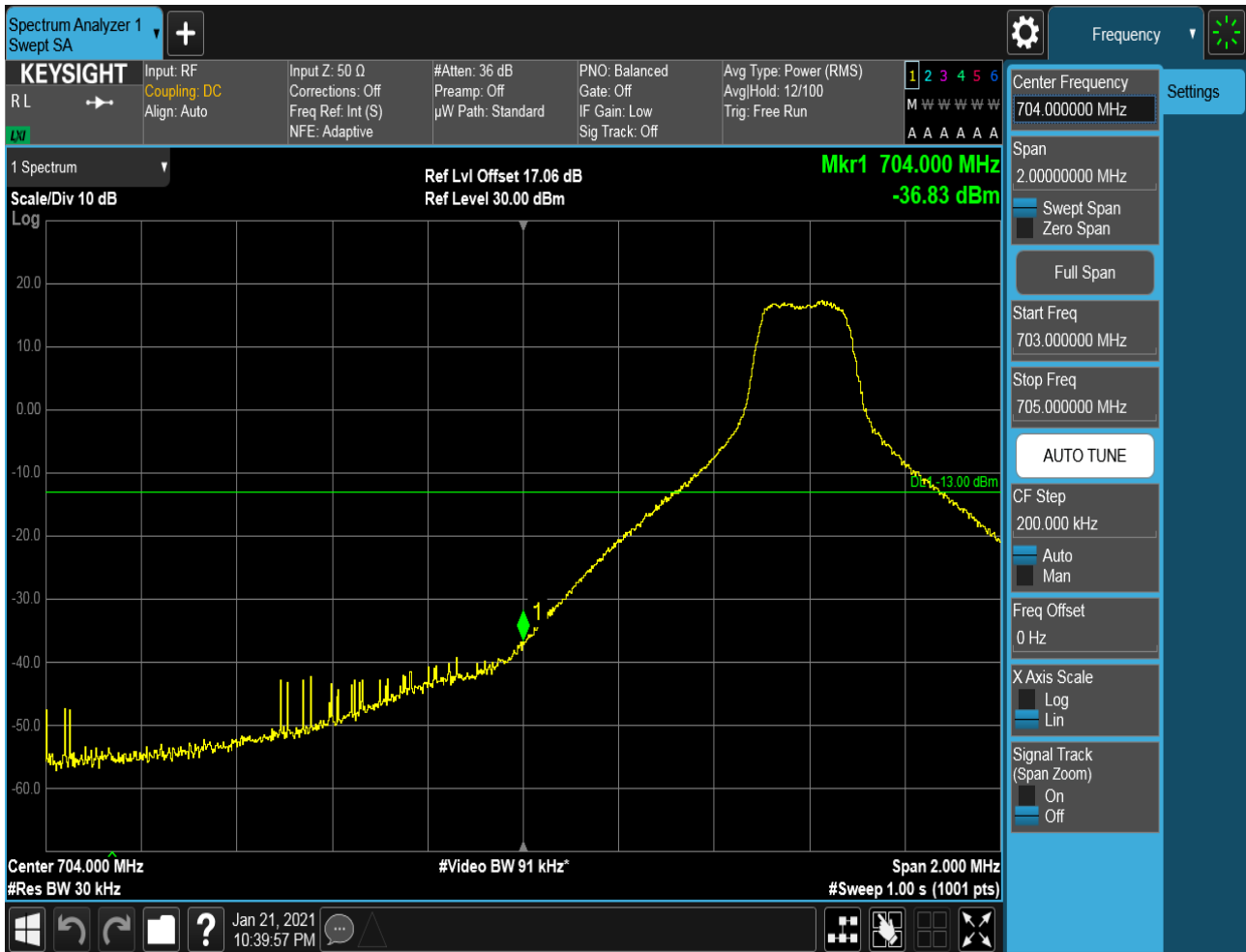
## 5.1.1.2.1.2.4 Test RB = RB25#0



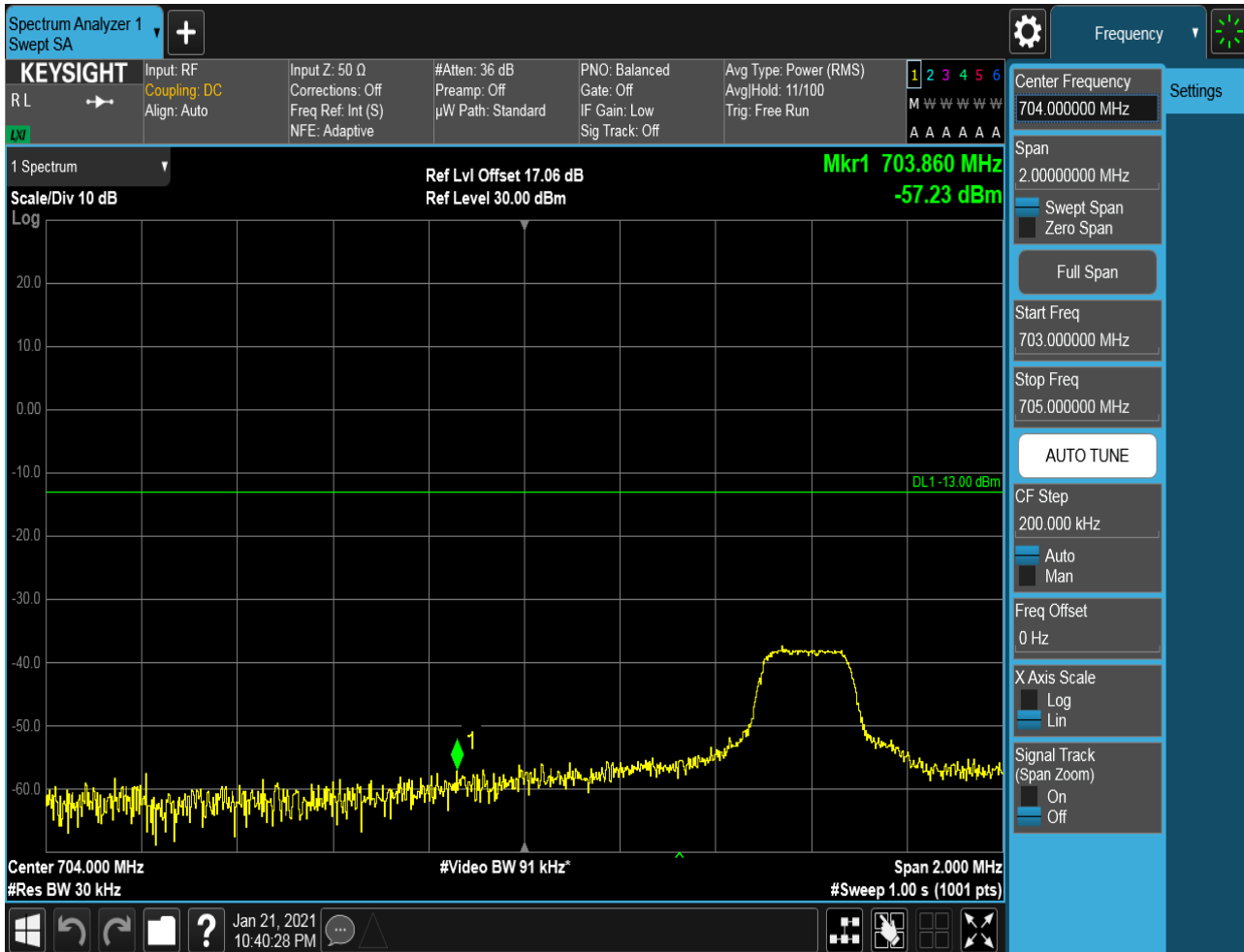
### 5.1.1.2.2 Test Bandwidth = 10

#### 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

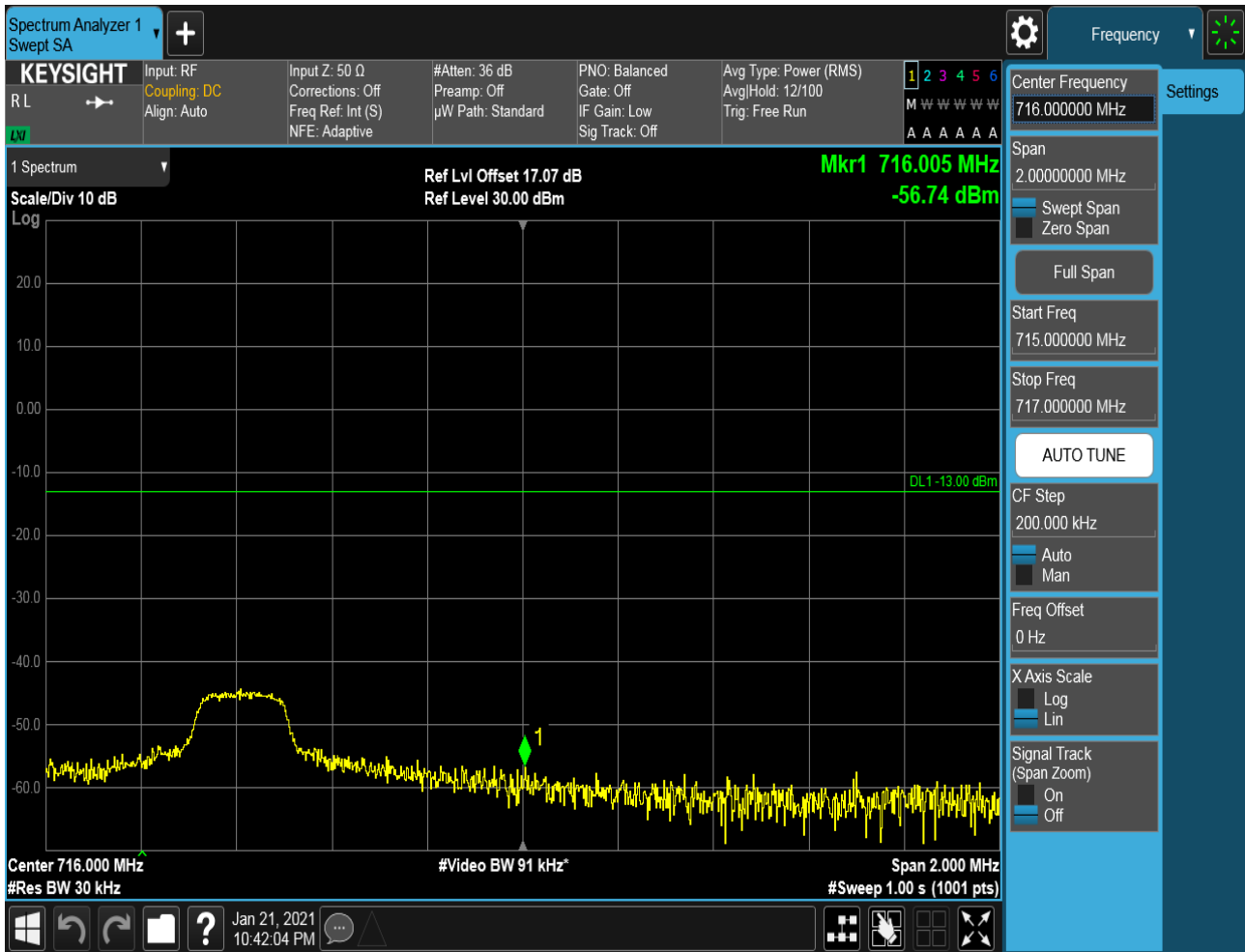


## 5.1.1.2.2.1.4 Test RB = RB50#0



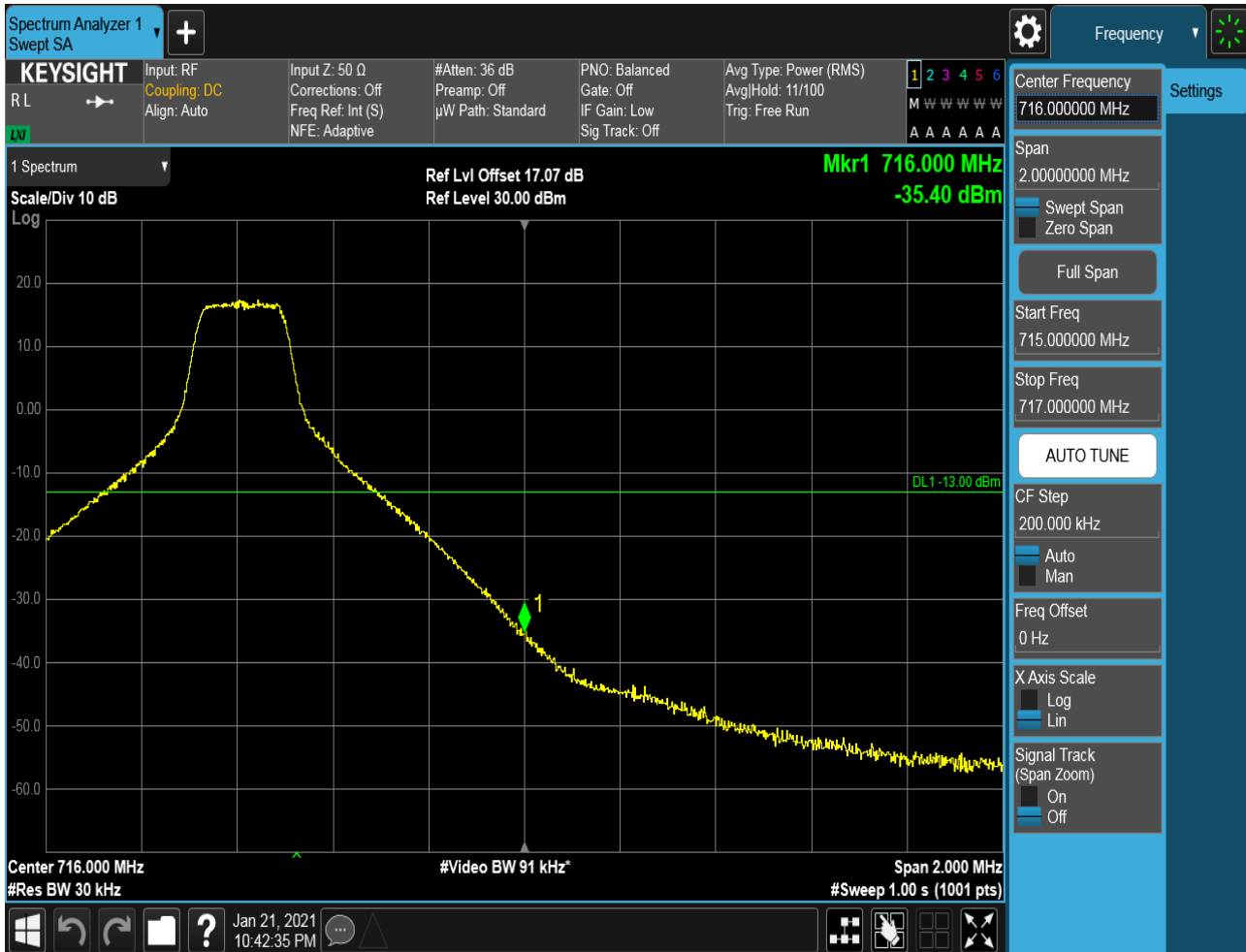
## 5.1.1.2.2.2 Test Channel = HCH

## 5.1.1.2.2.2.1 Test RB = RB1#0

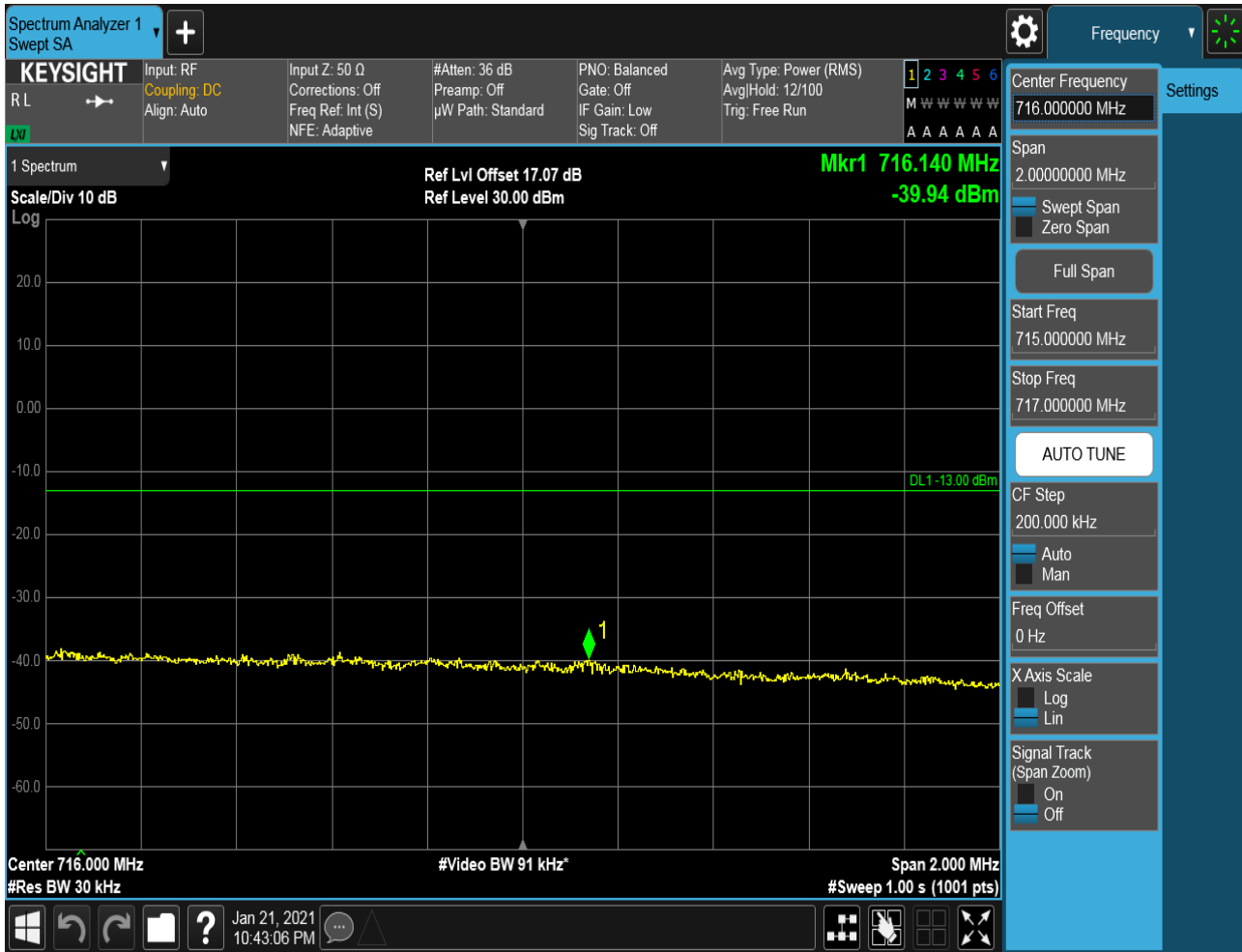




## 5.1.1.2.2.2 Test RB = RB1#49



### 5.1.1.2.2.2.3 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

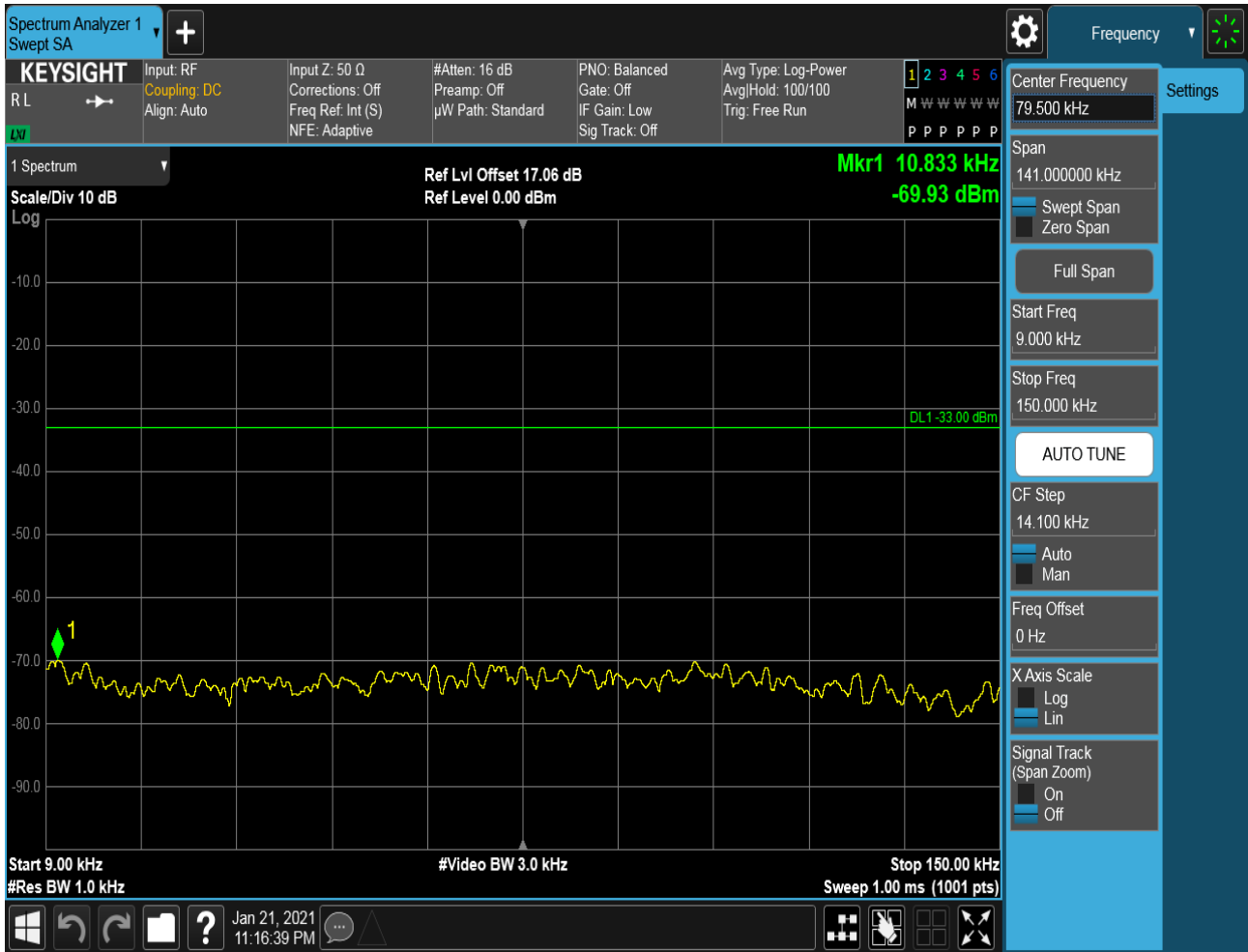
##### 6.1.1 Test Band = Band17

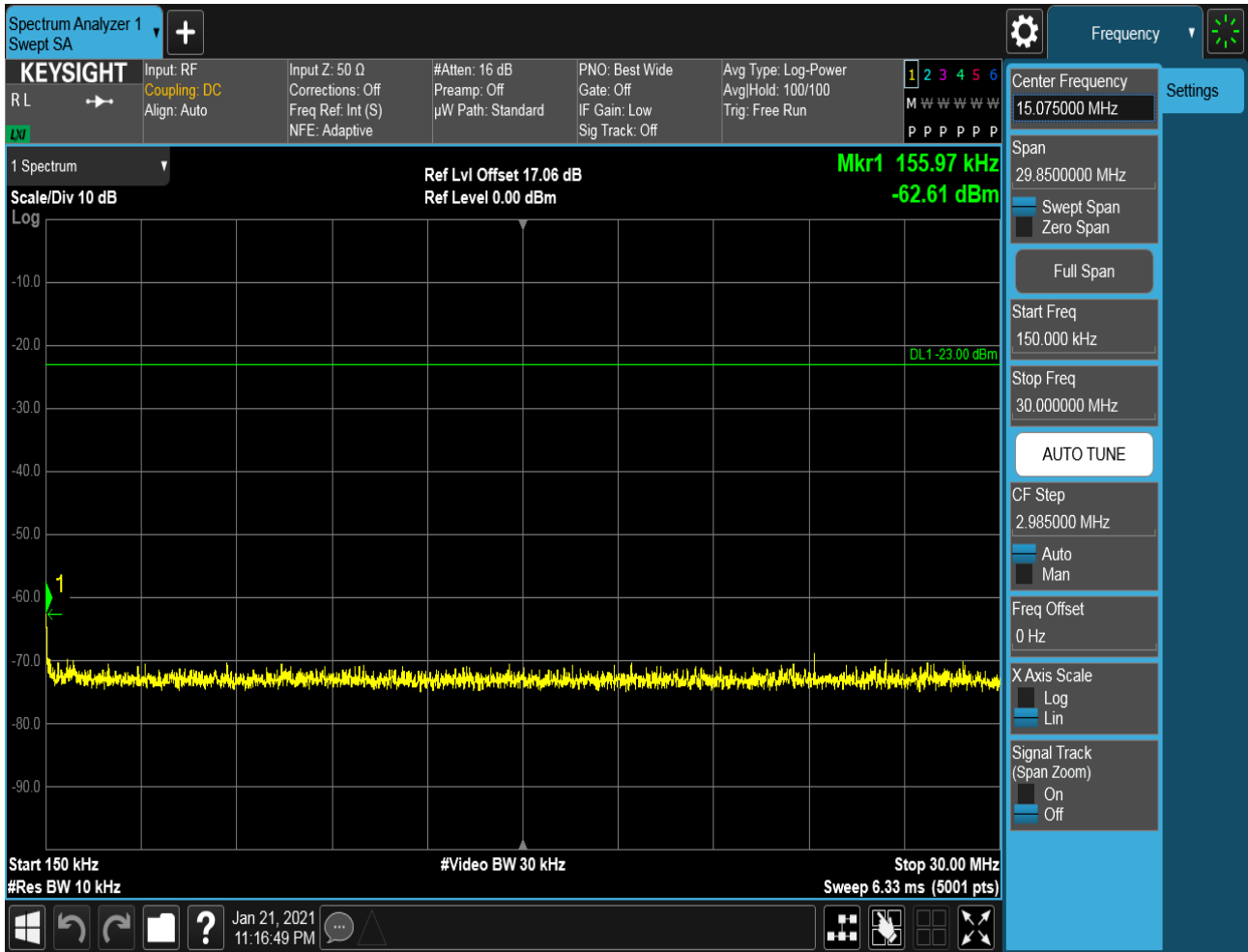
##### 6.1.1.1 Test Mode = LTE/TM1

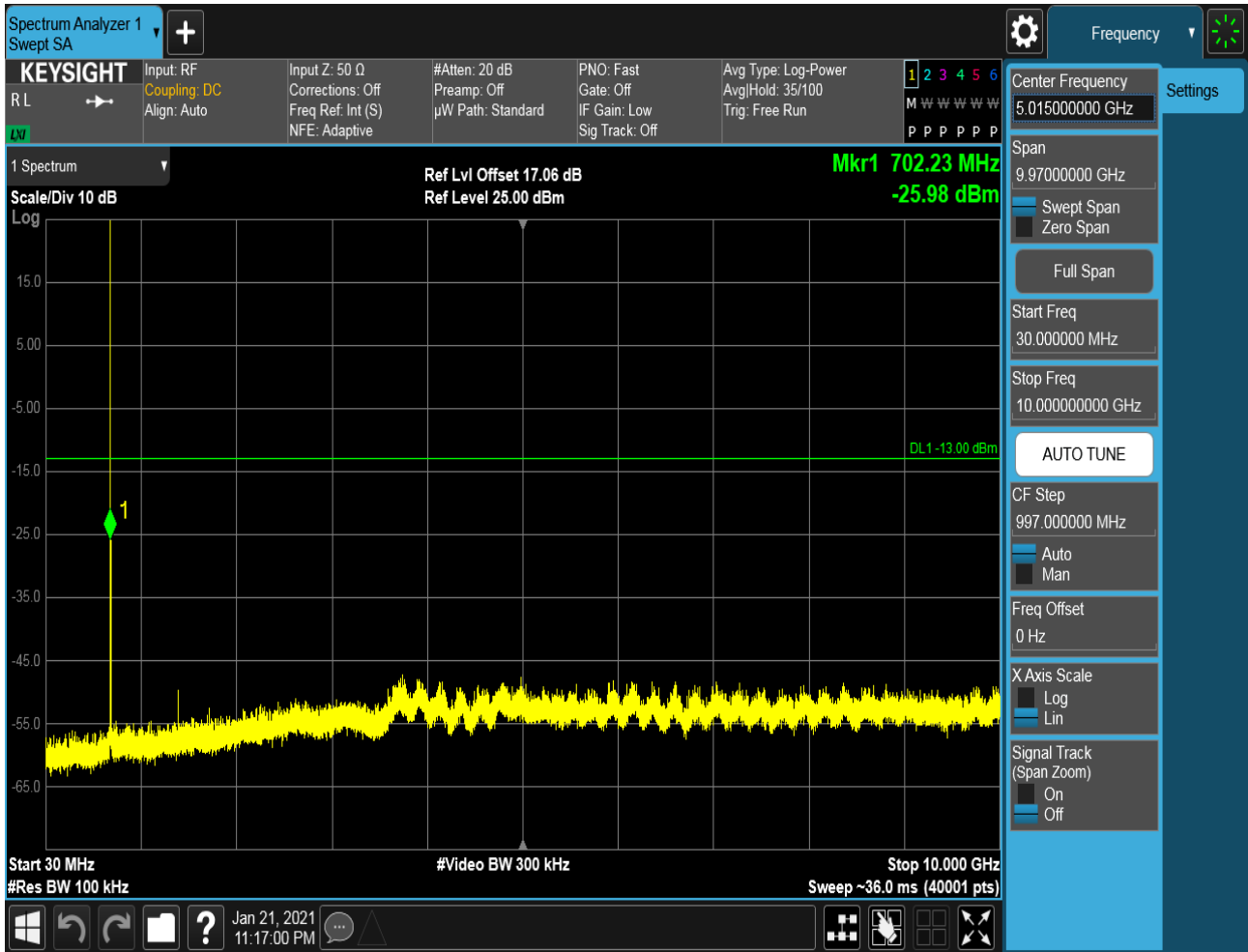
##### 6.2.1.1.1 Test Bandwidth = 5

##### 6.2.1.1.1.1 Test Channel = LCH

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

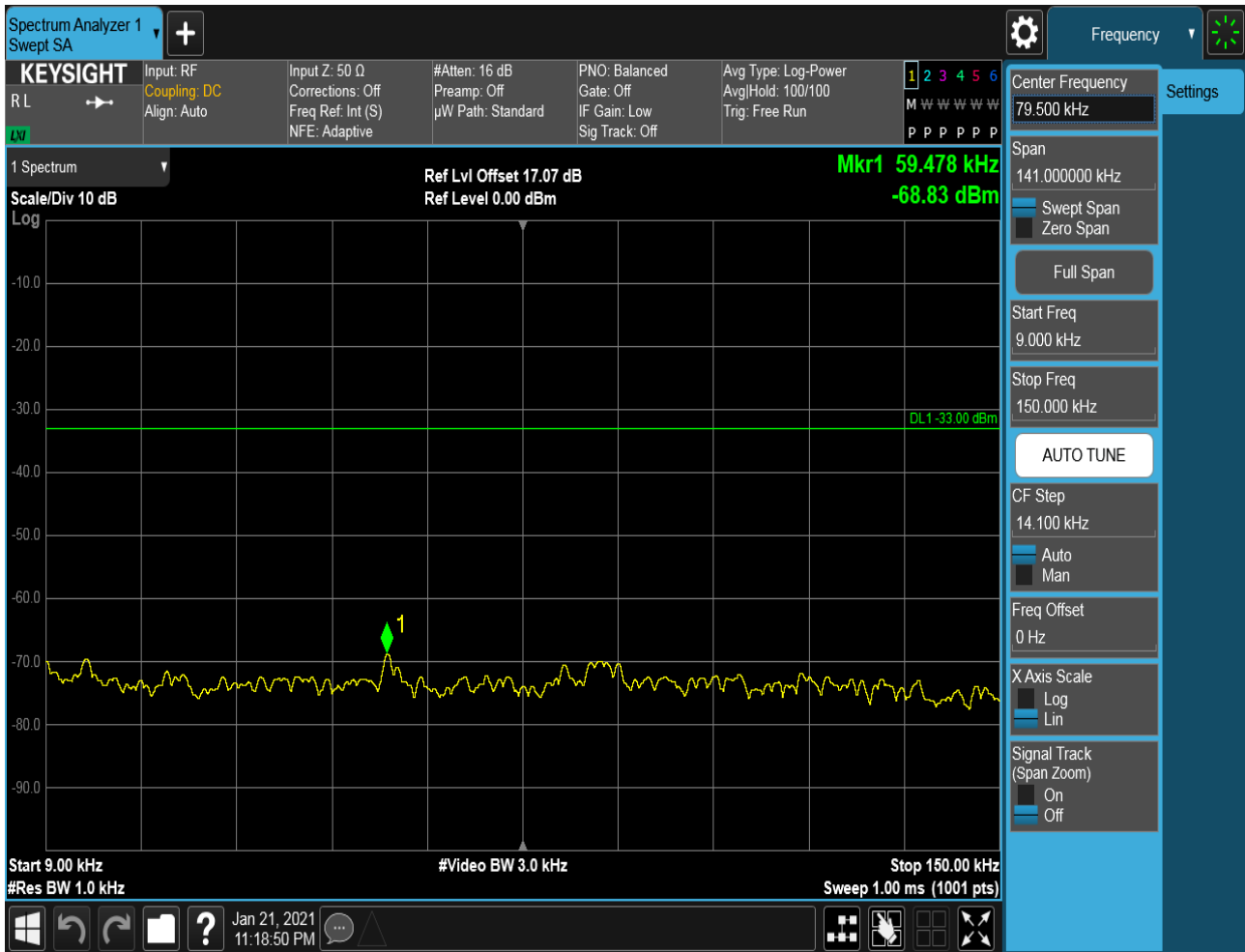




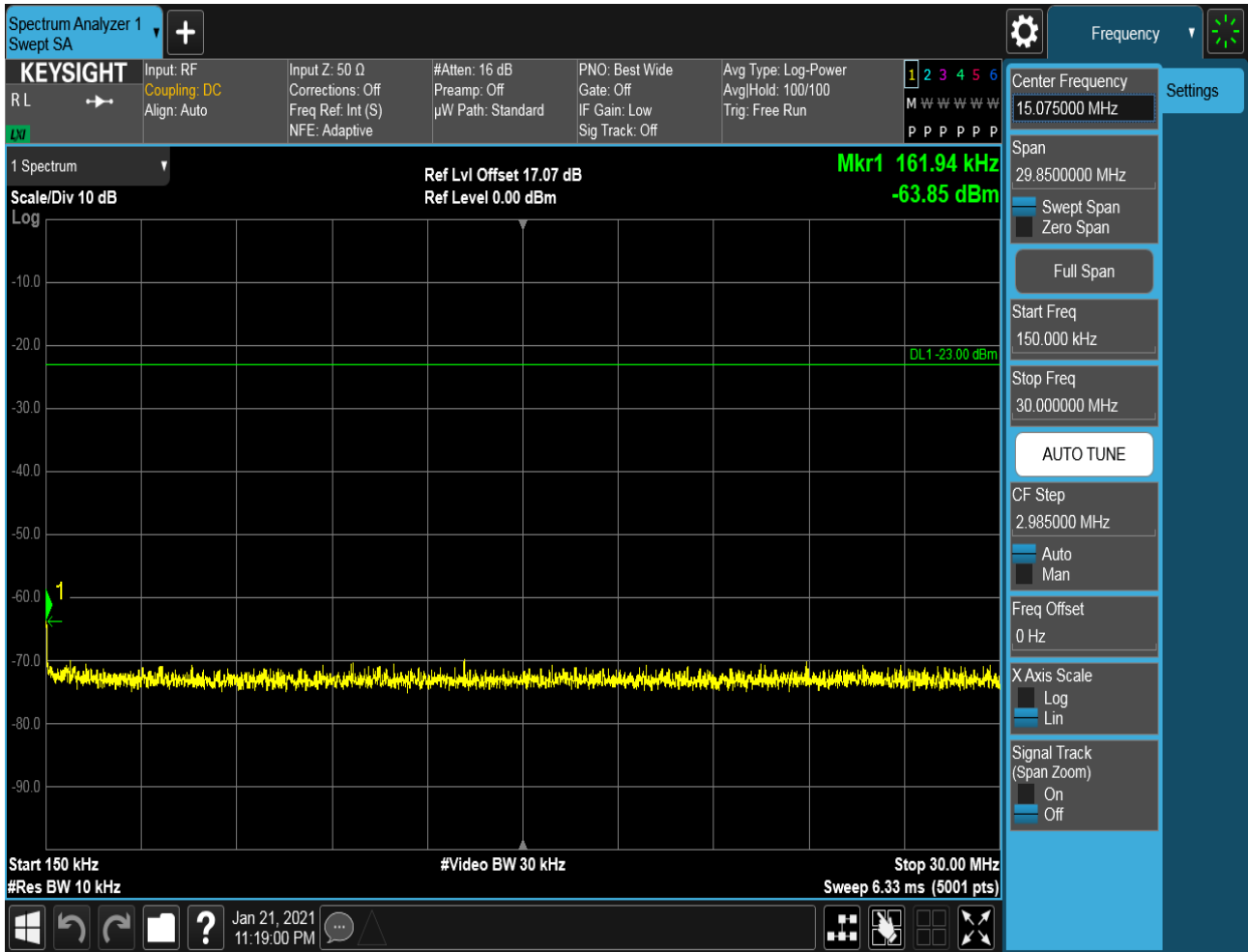


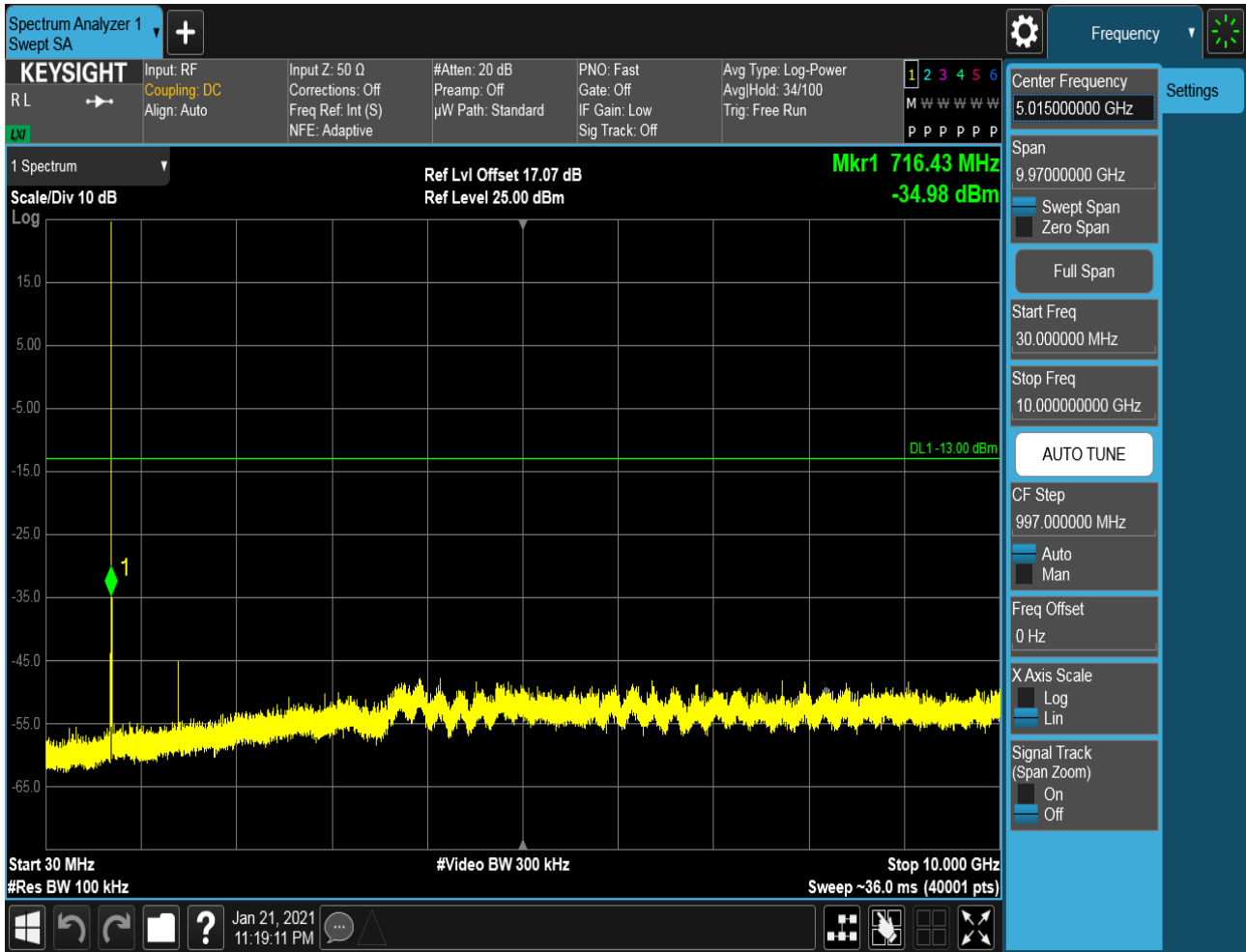
### 6.2.1.1.1.2 Test Channel = MCH

#### 6.2.1.1.1.2.1 Test RB = RB1#0



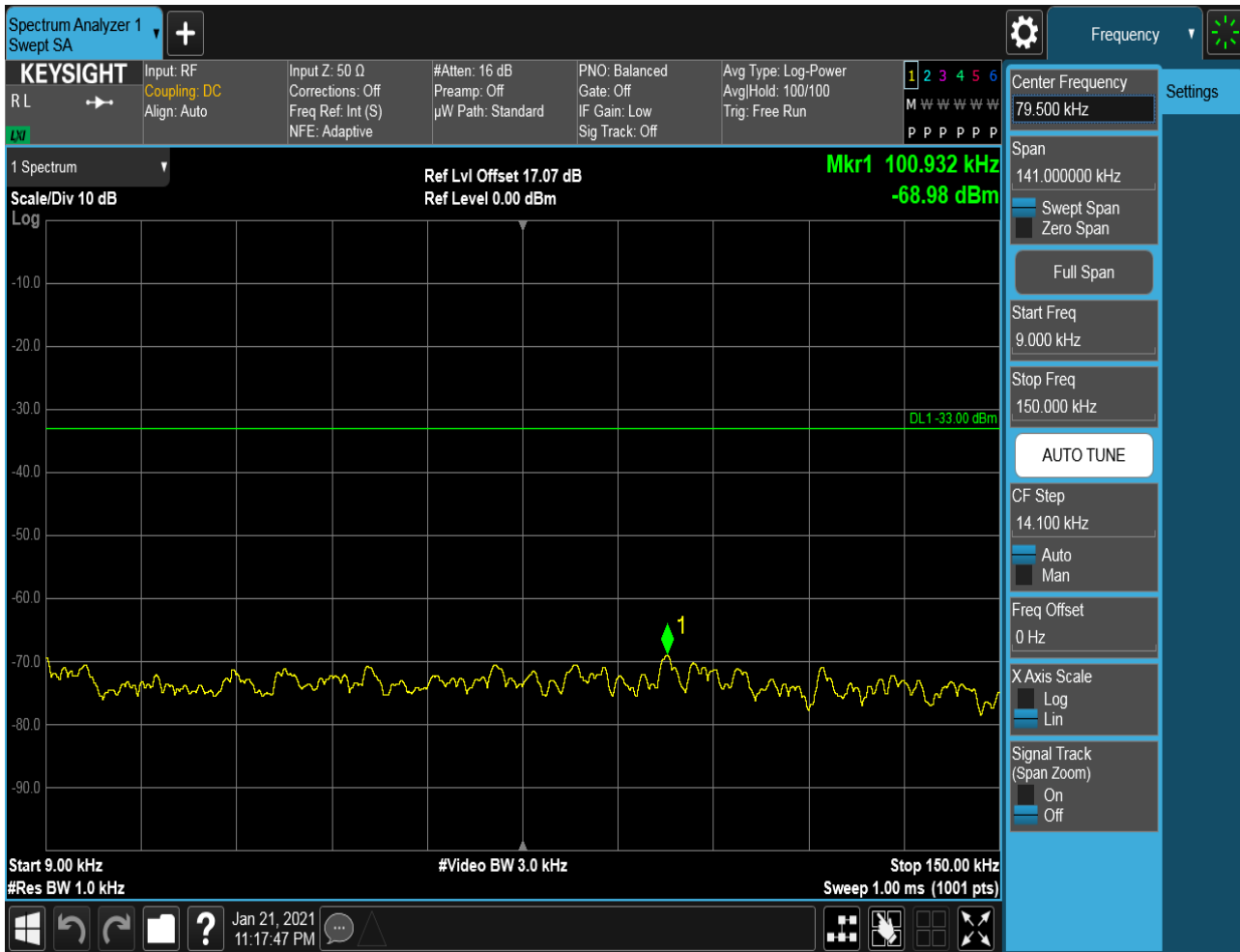


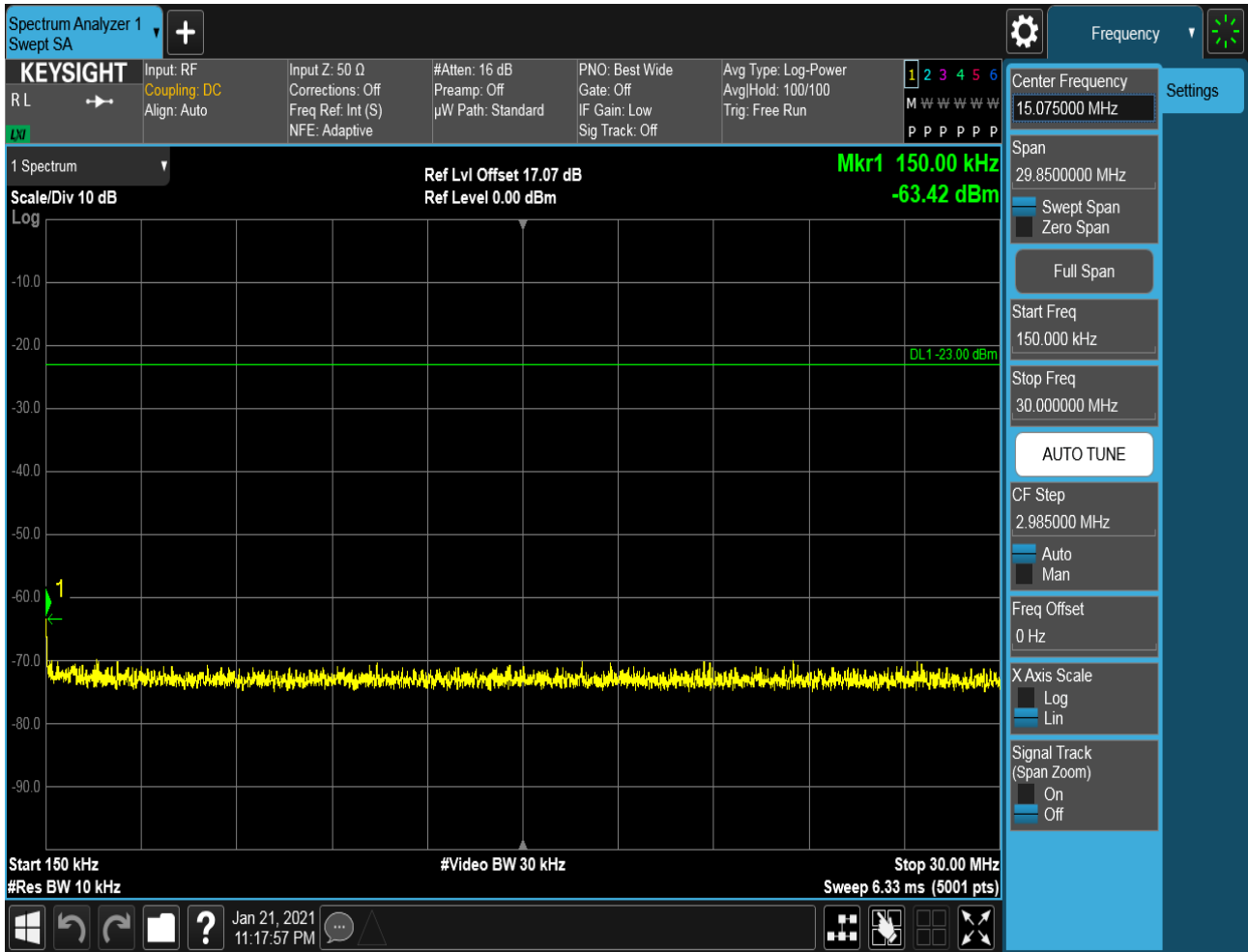


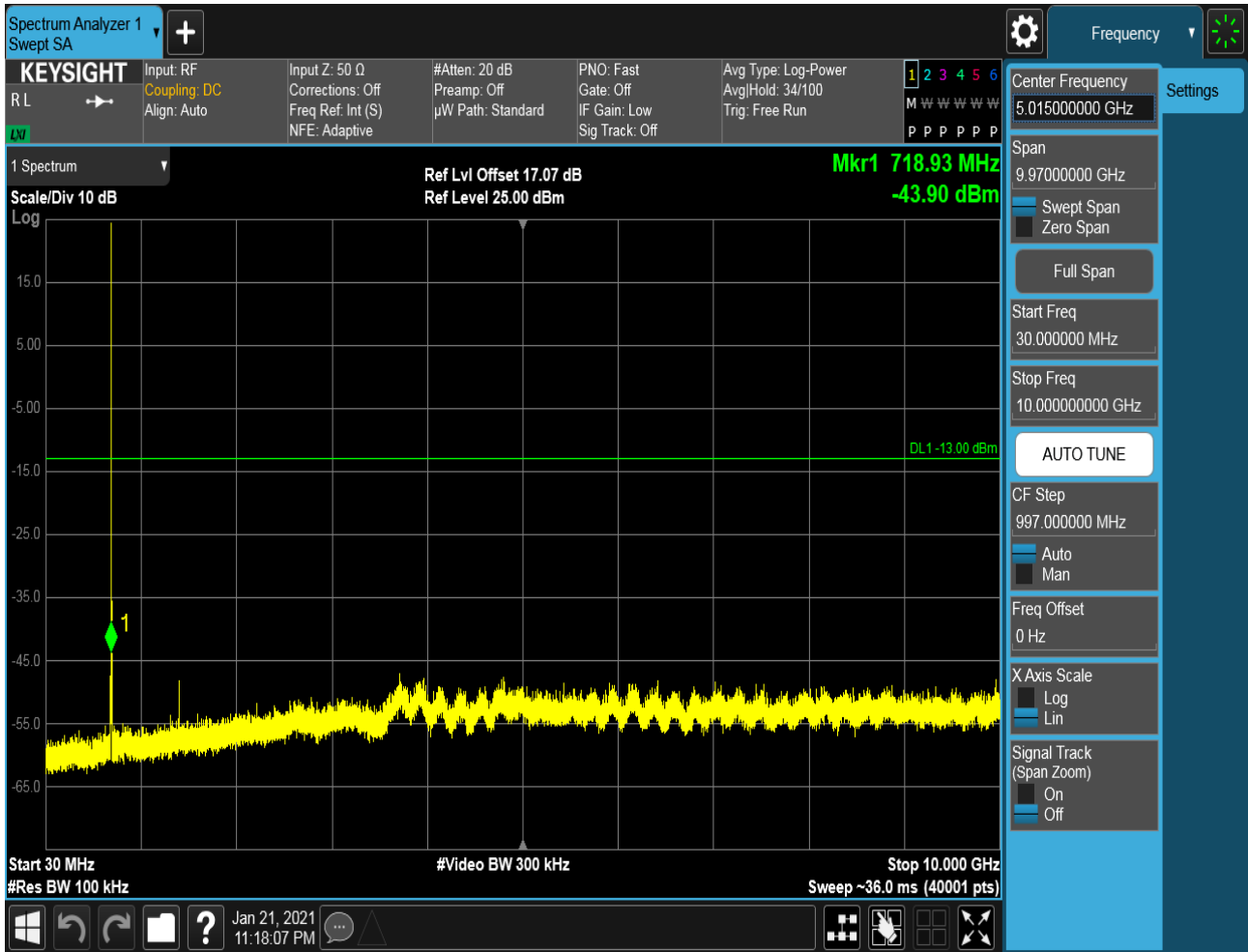


### 6.2.1.1.1.3 Test Channel = HCH

#### 6.2.1.1.1.3.1 Test RB = RB1#0



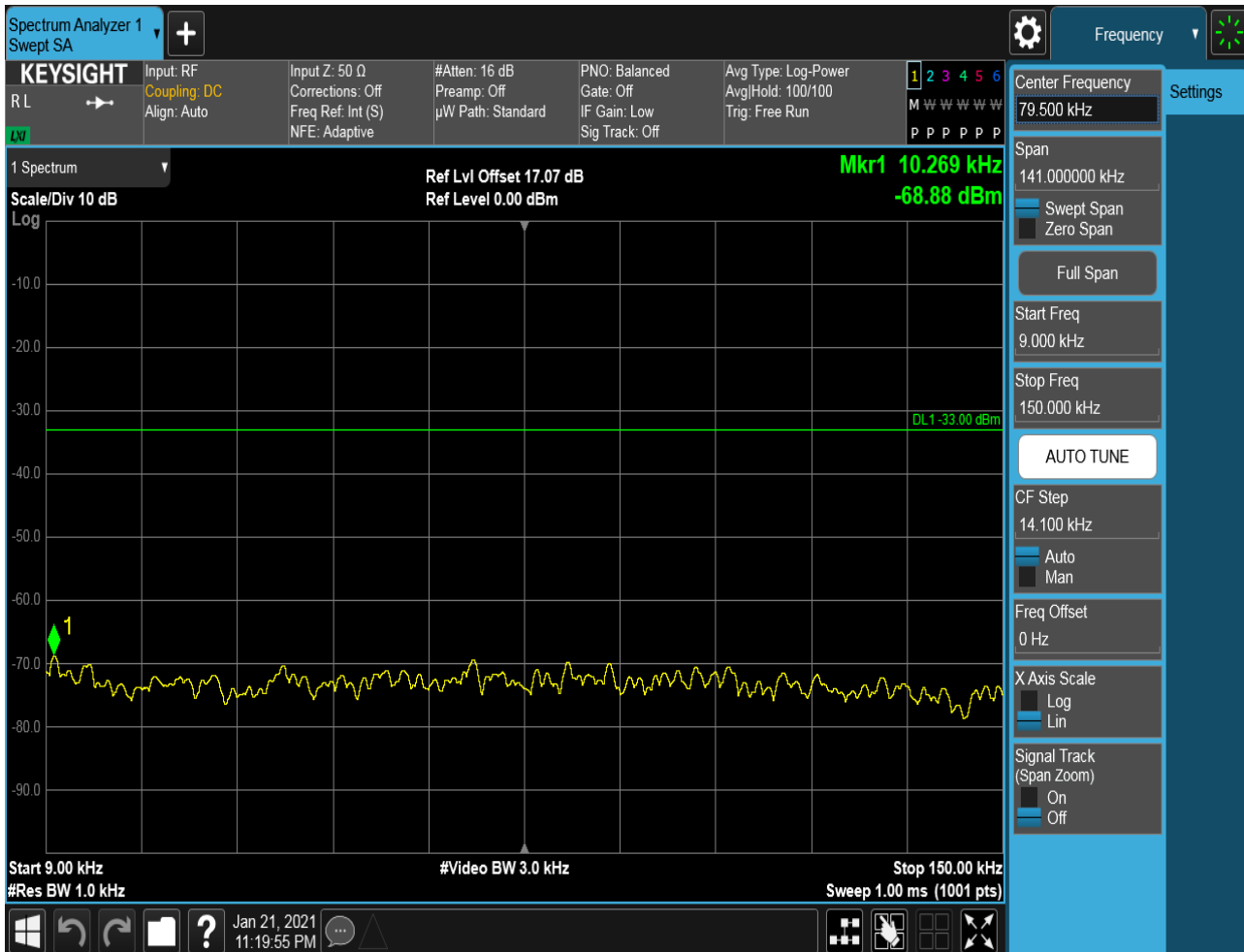


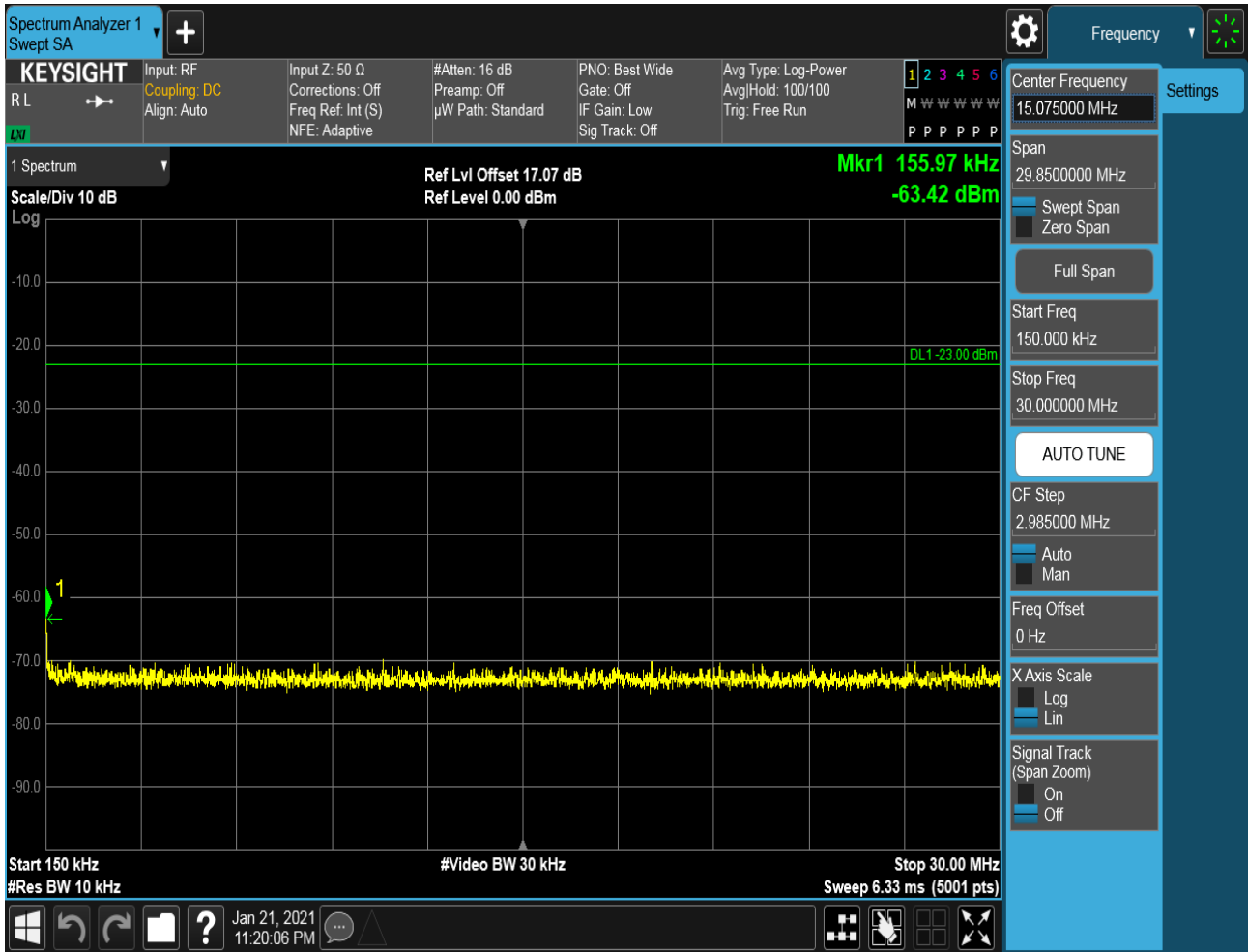


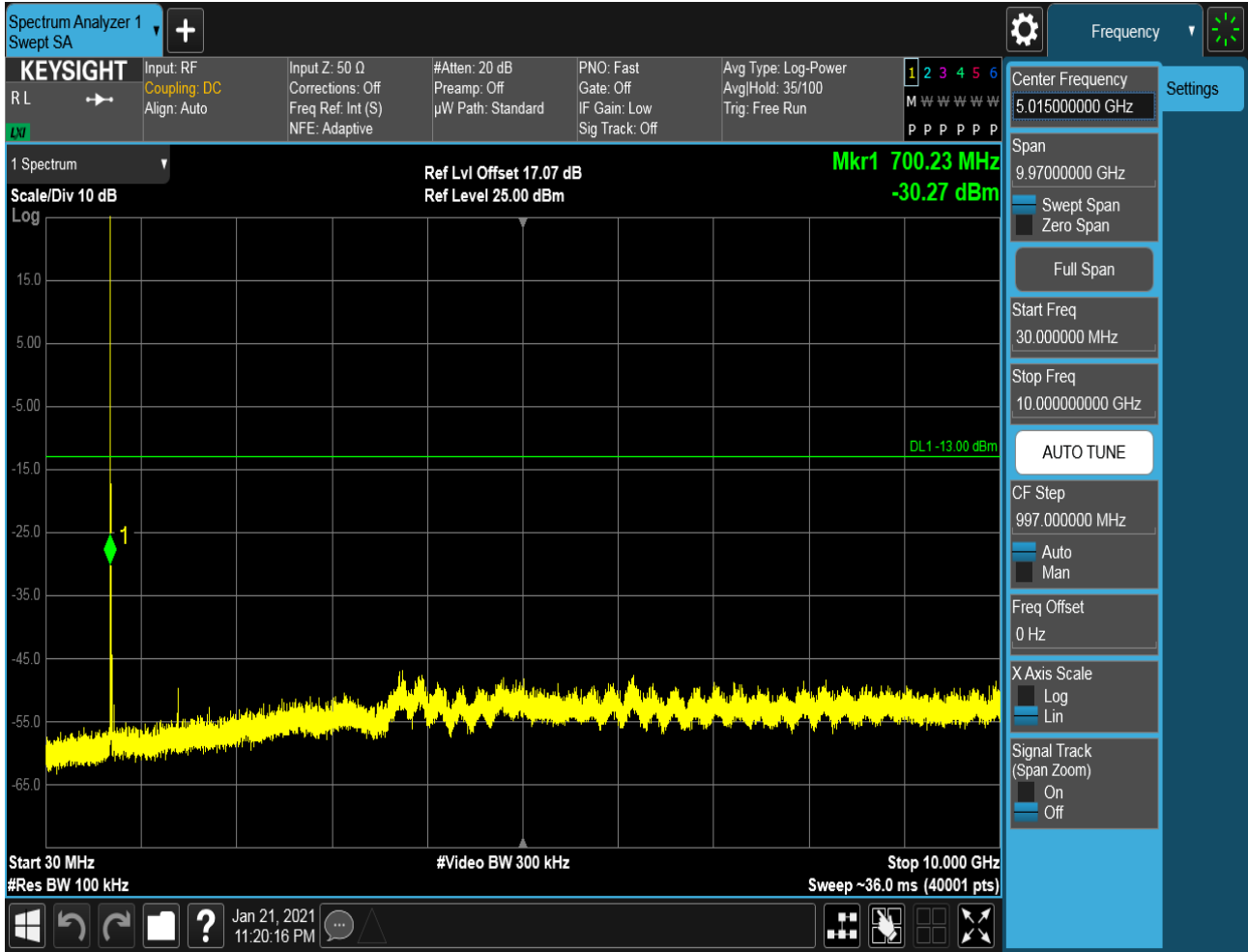
### 6.2.1.1.2 Test Bandwidth = 10

#### 6.2.1.1.2.1 Test Channel = LCH

##### 6.2.1.1.2.1.1 Test RB = RB1#0



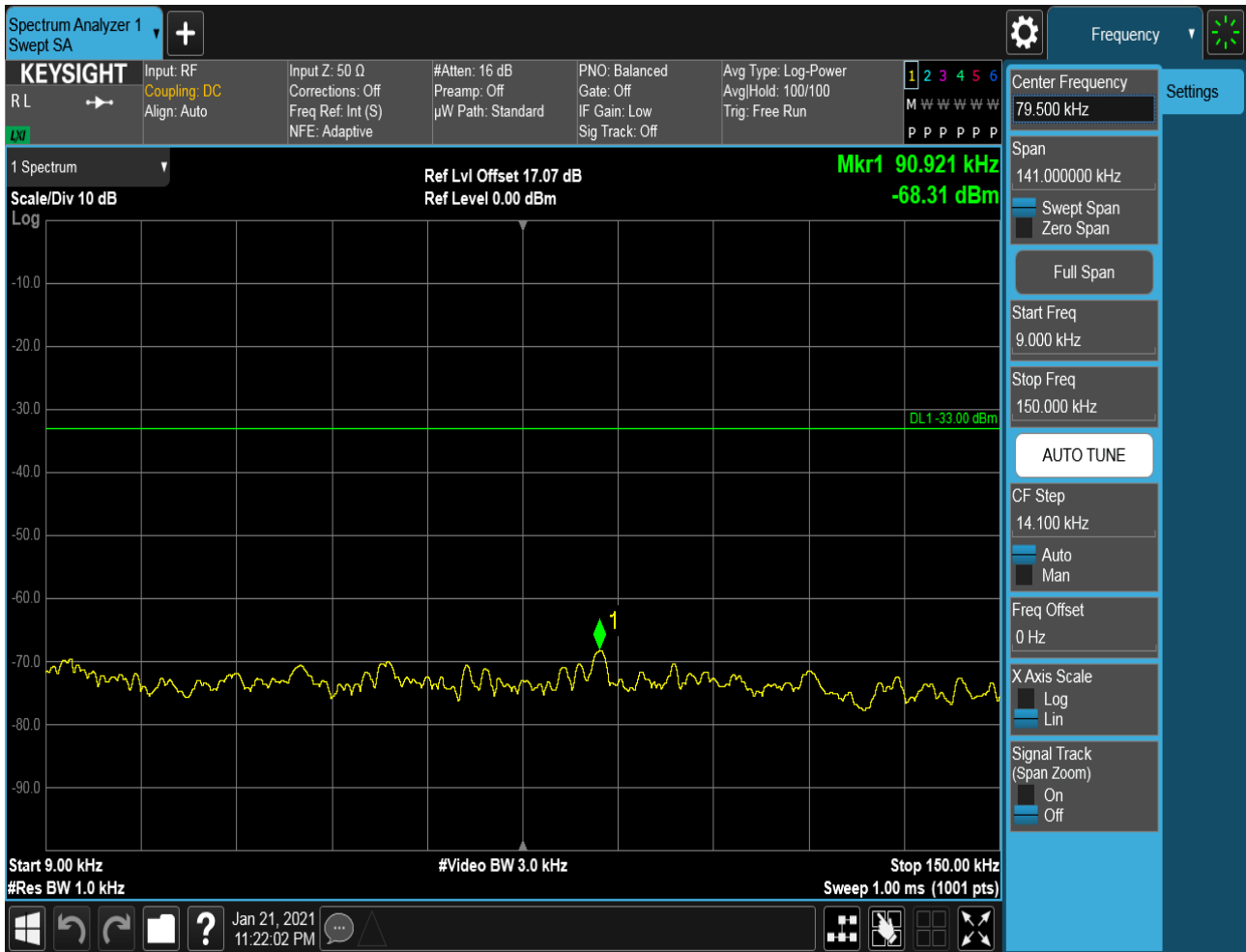


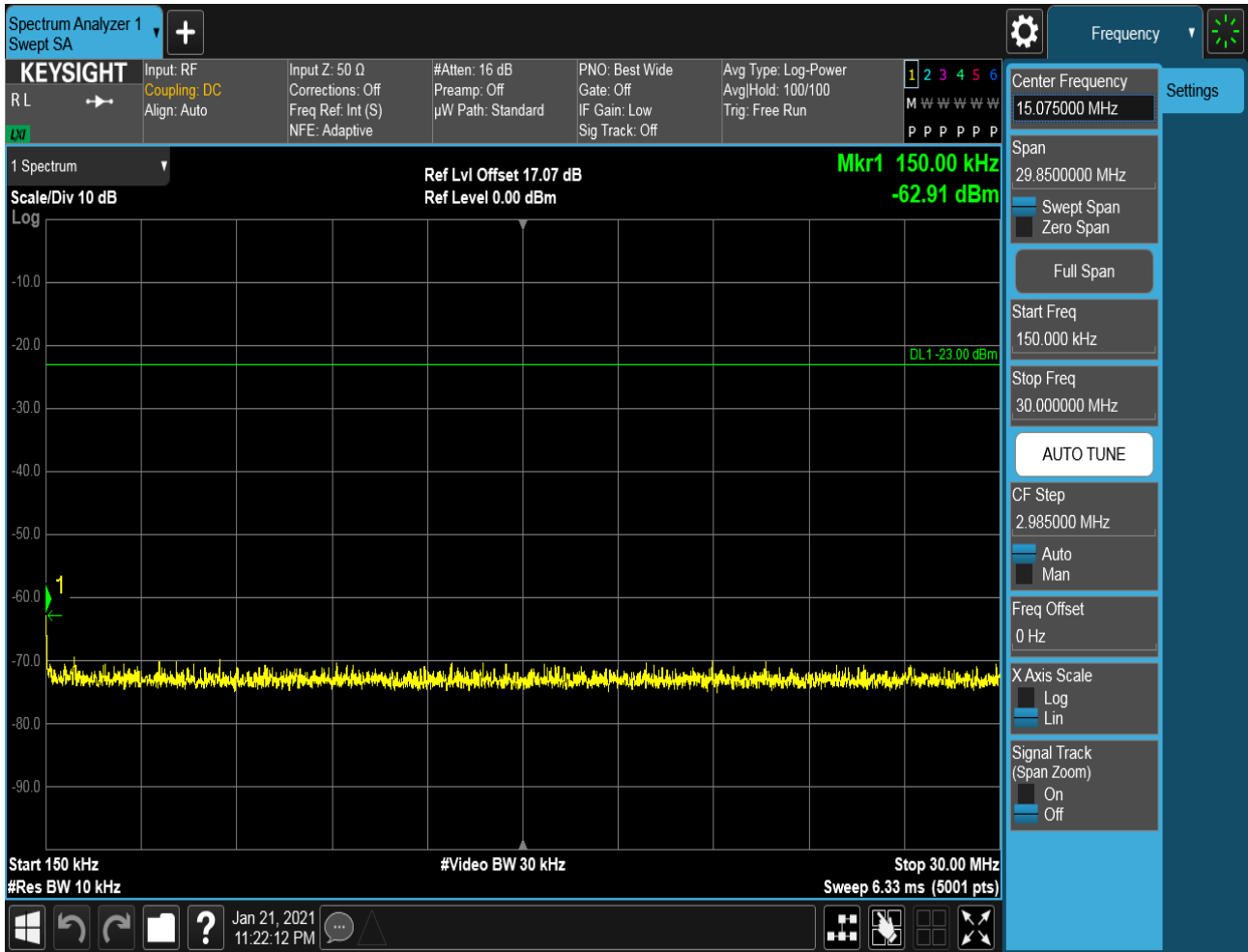


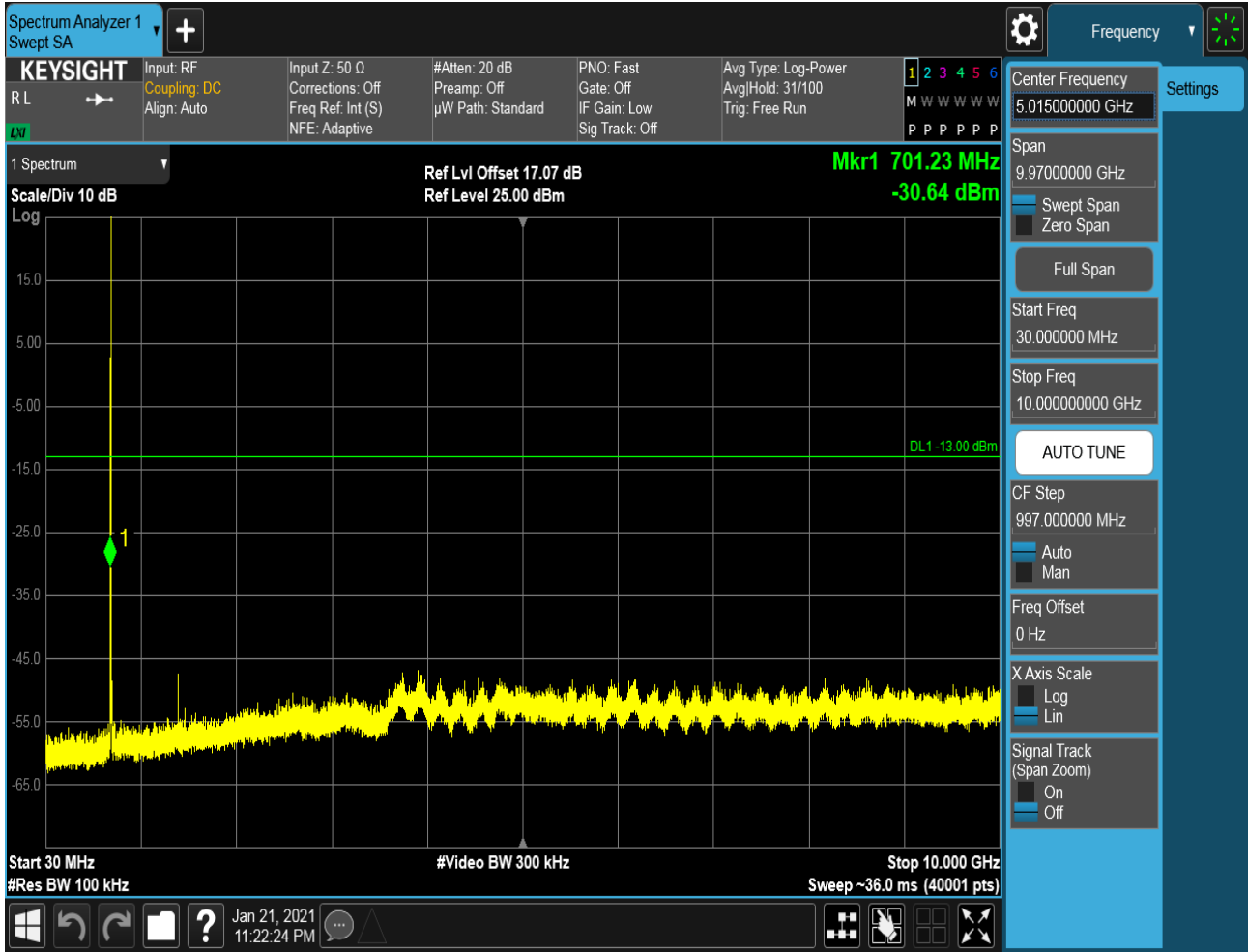


### 6.2.1.1.2.2 Test Channel = MCH

#### 6.2.1.1.2.2.1 Test RB = RB1#0

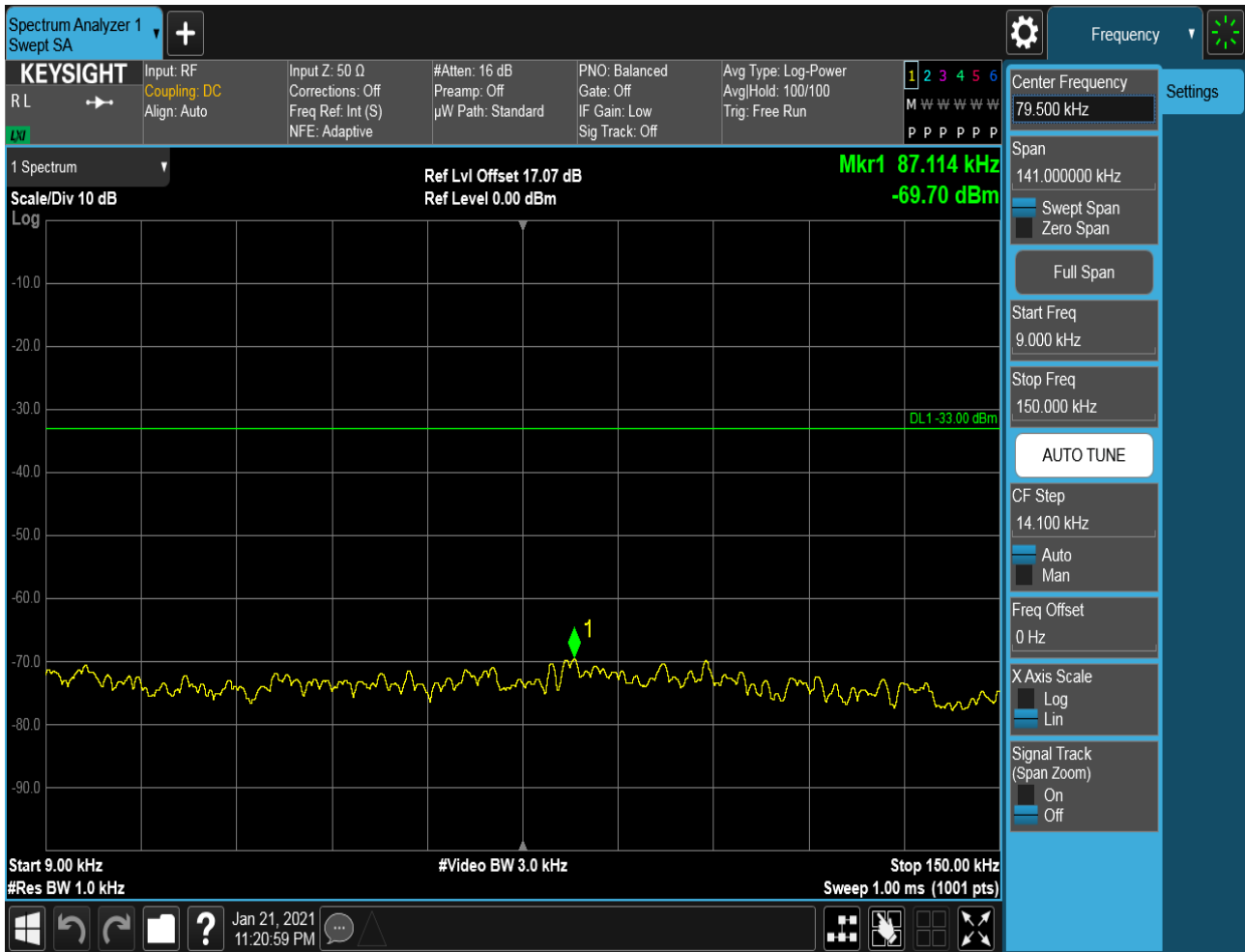


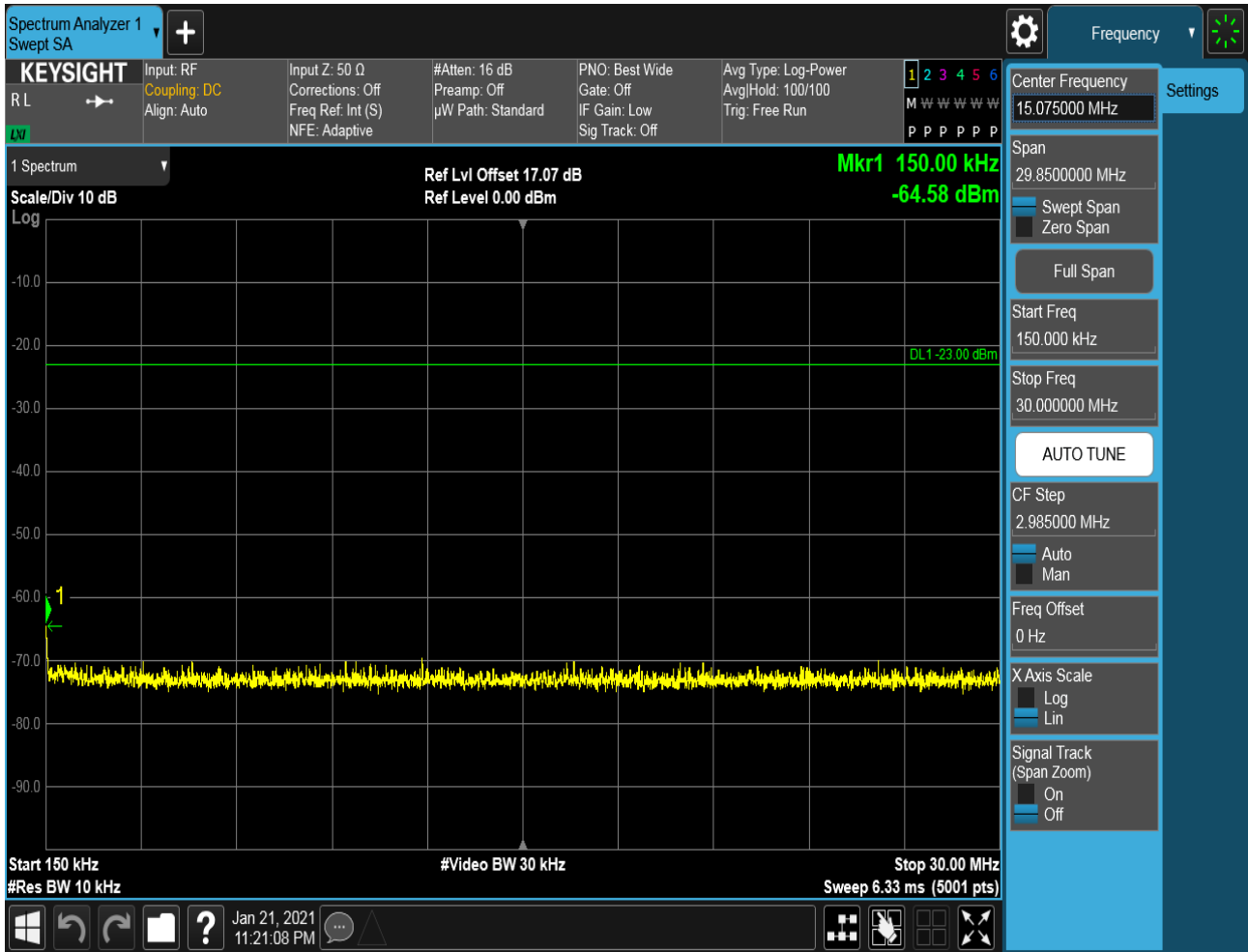


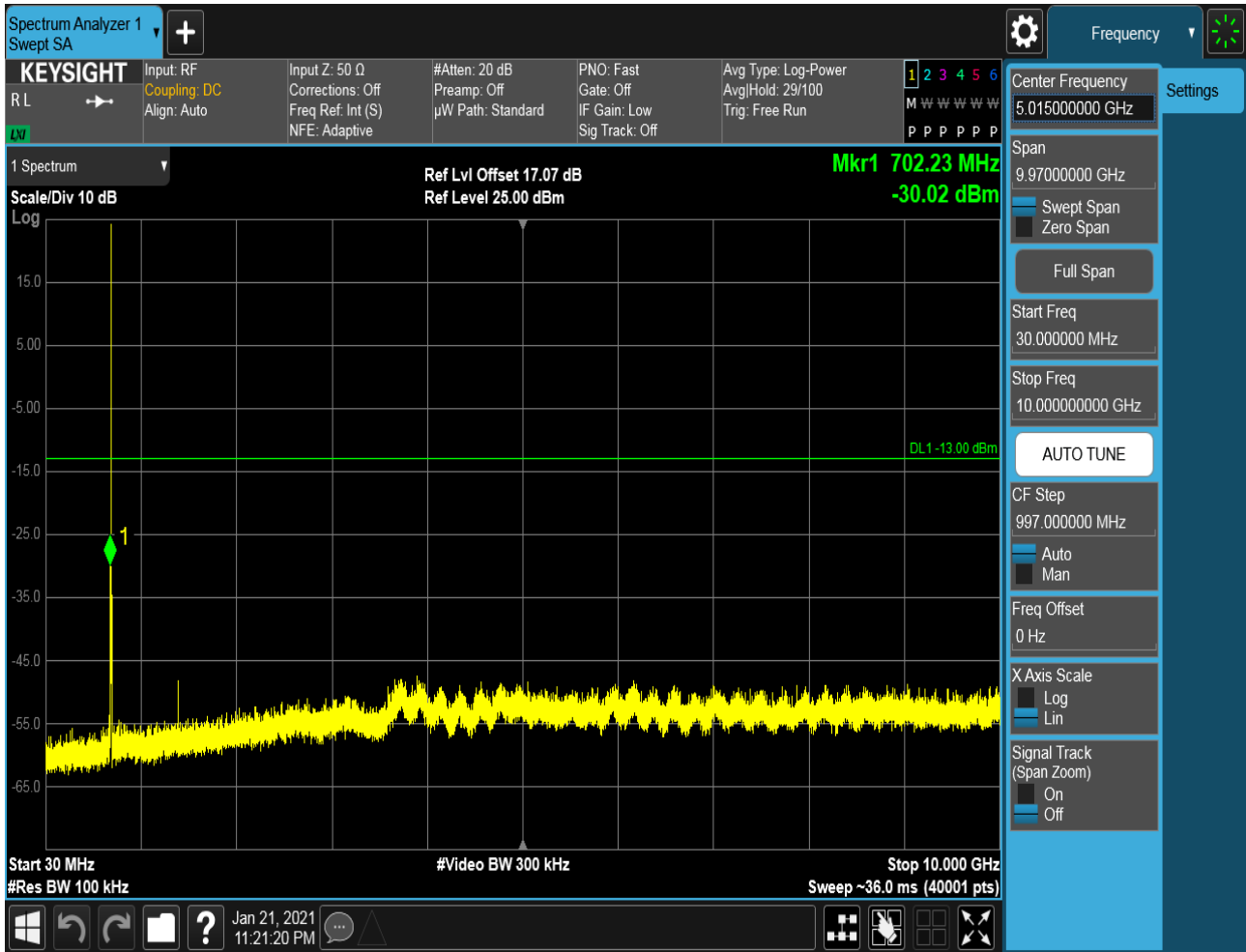


### 6.2.1.1.2.3 Test Channel = HCH

#### 6.2.1.1.2.3.1 Test RB = RB1#0





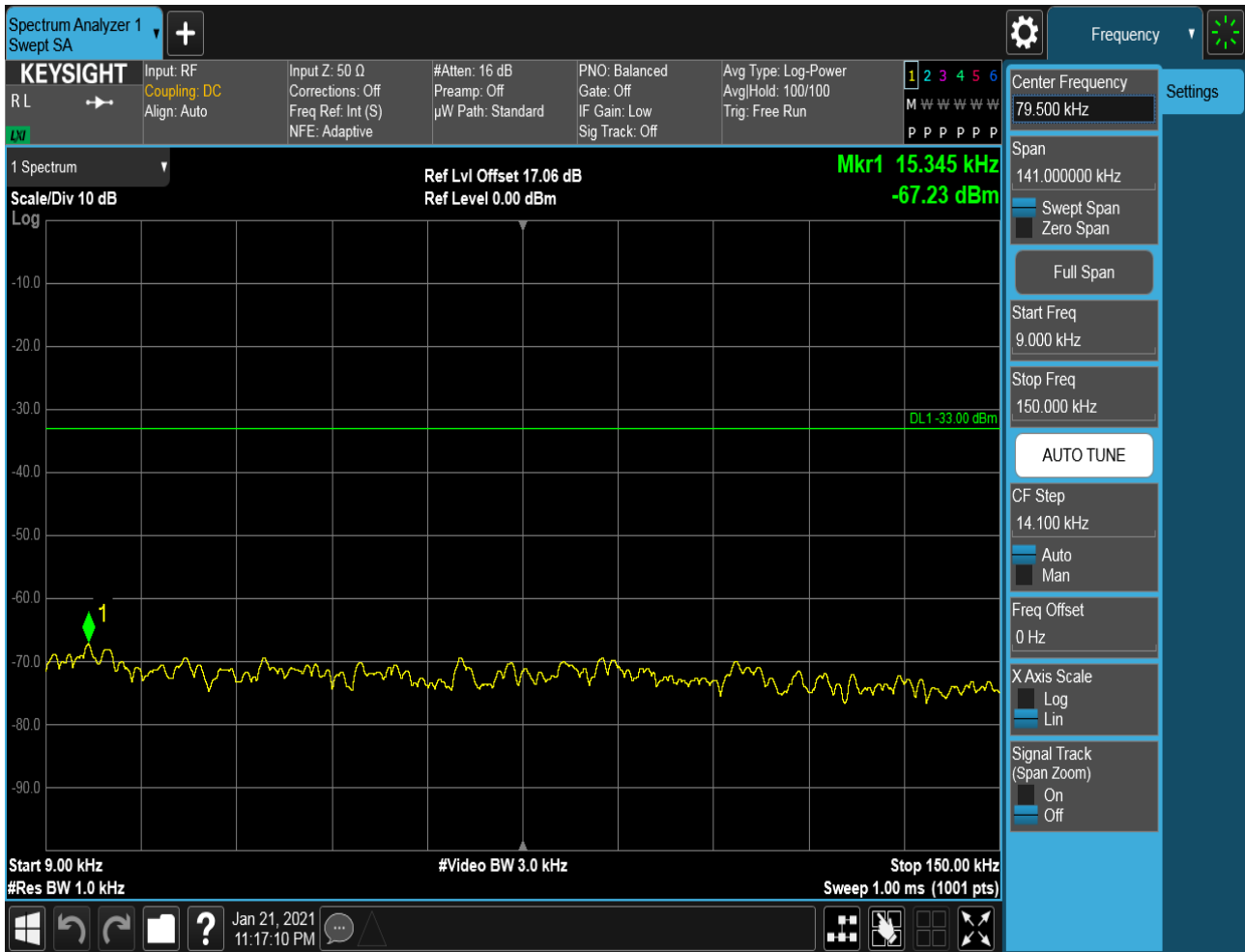


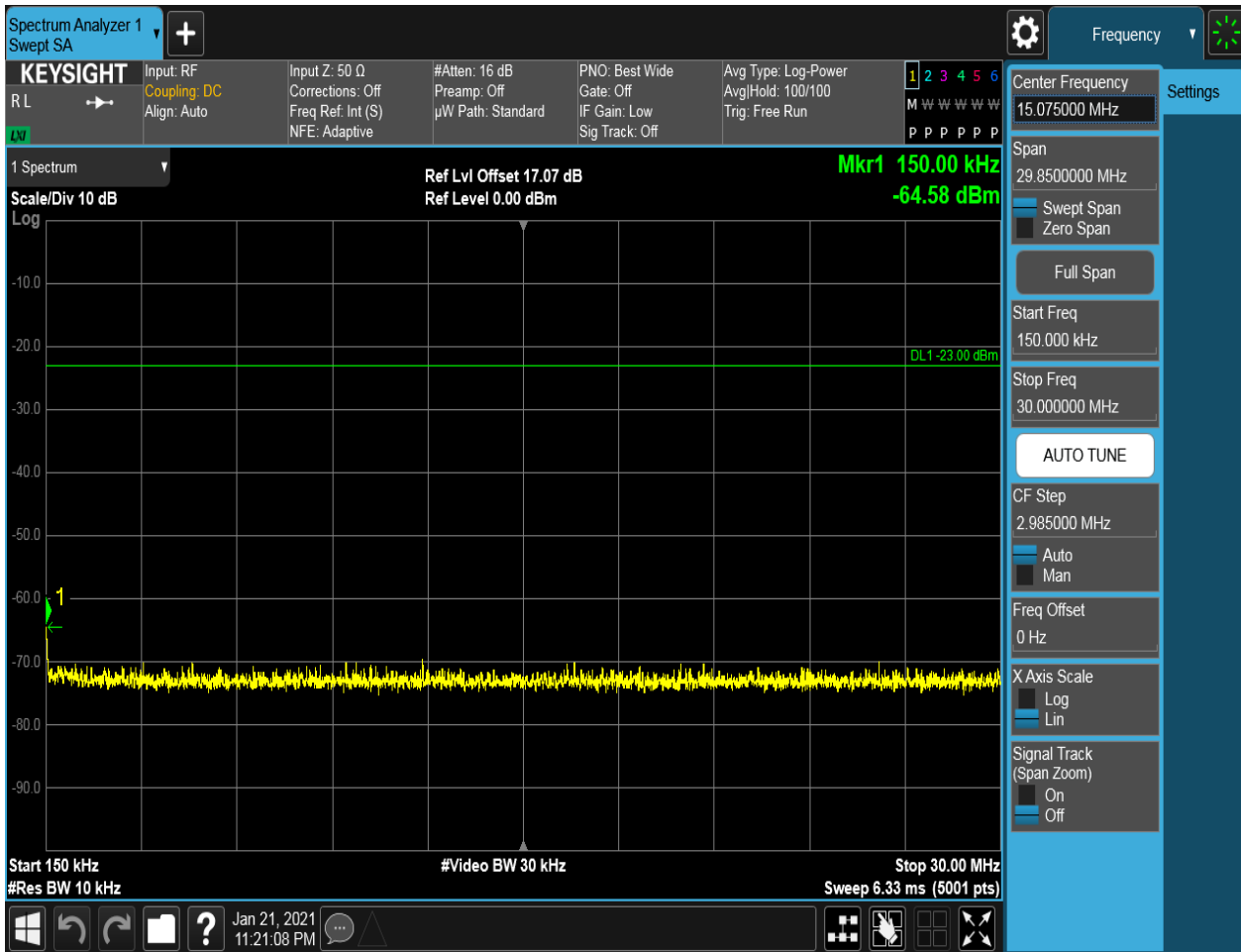
## 6.2.1.2 Test Mode = LTE/TM2

### 6.2.1.2.1 Test Bandwidth = 5

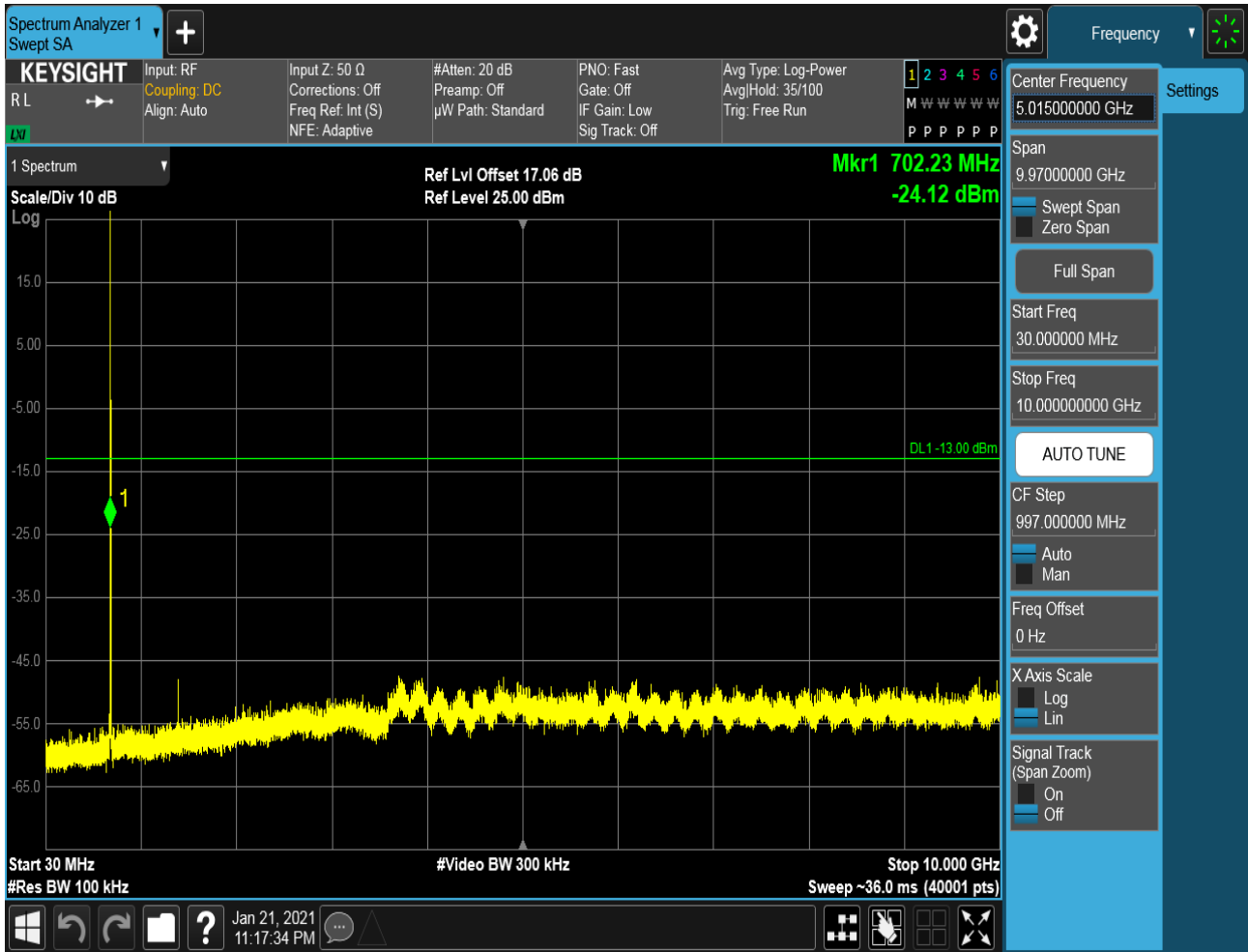
#### 6.2.1.2.1.1 Test Channel = LCH

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



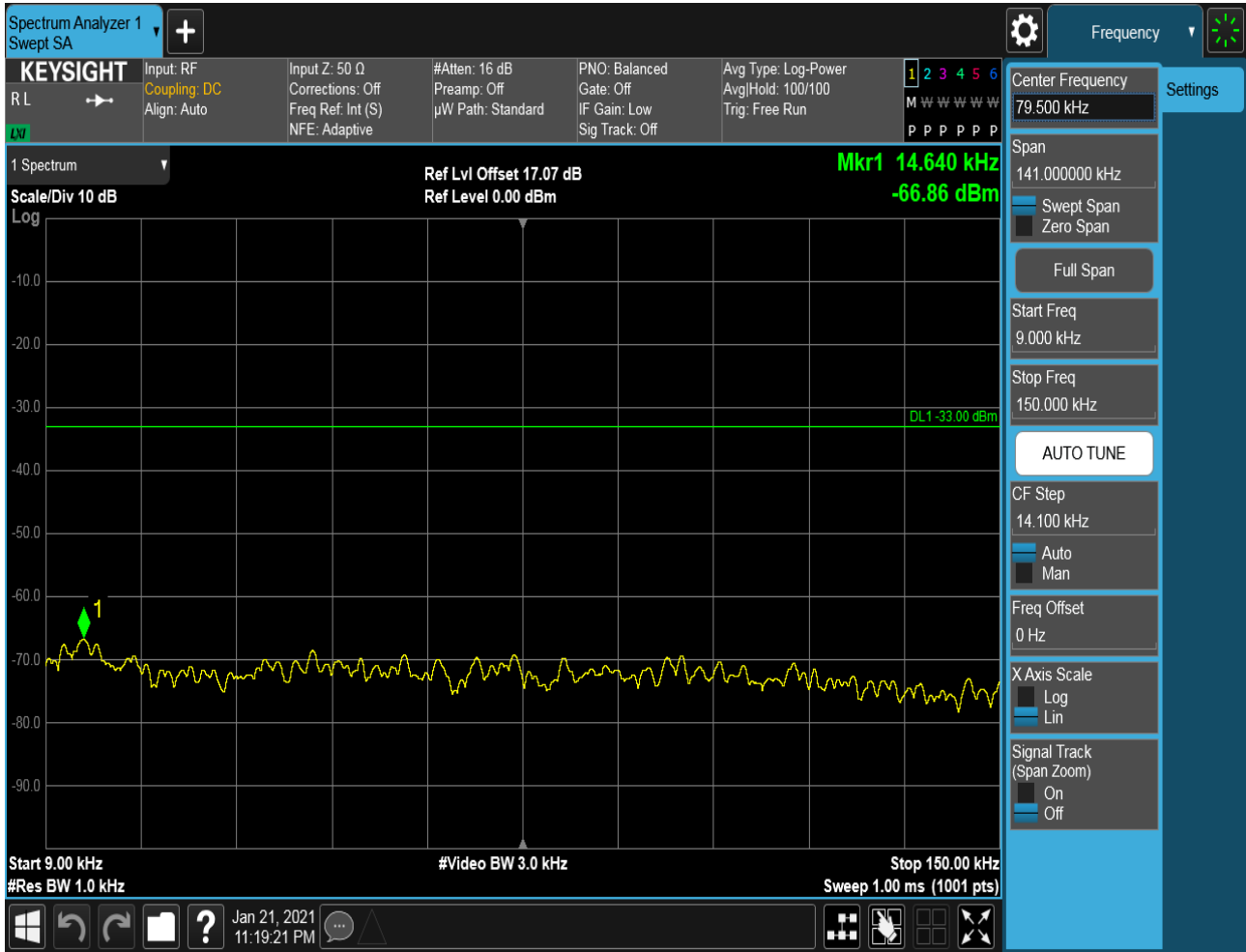


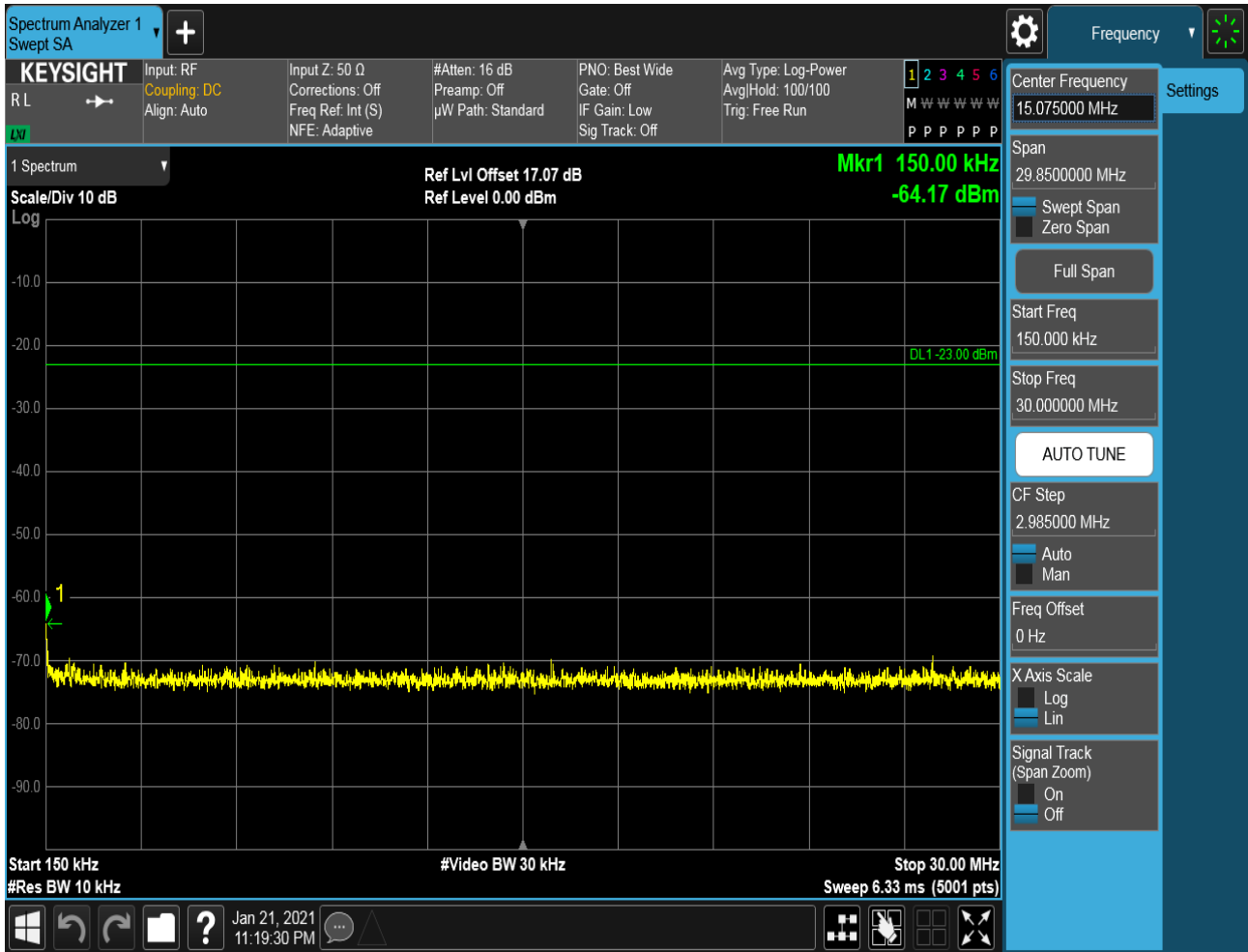


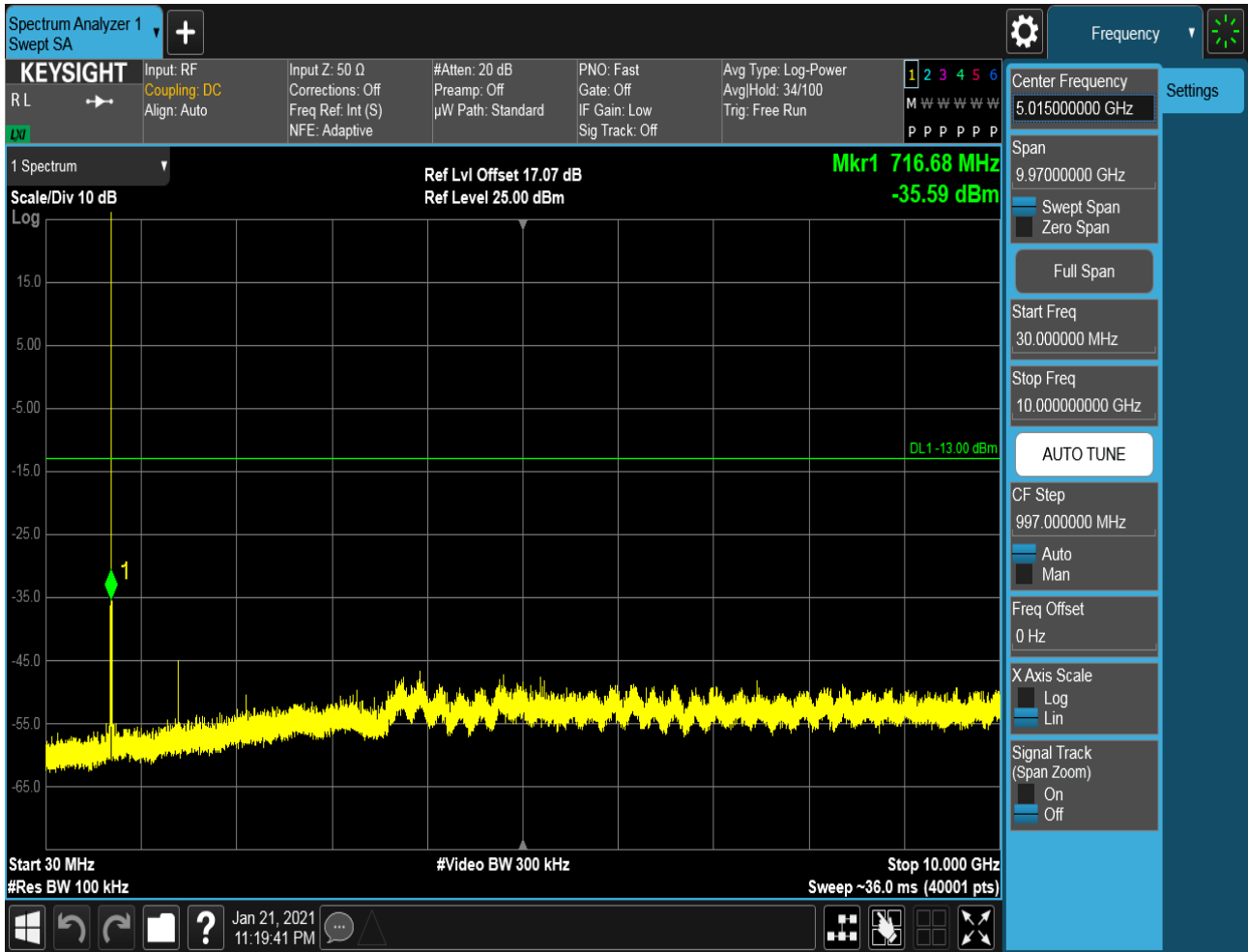


### 6.2.1.2.1.2 Test Channel = MCH

#### 6.2.1.2.1.2.1 Test RB = RB1#0

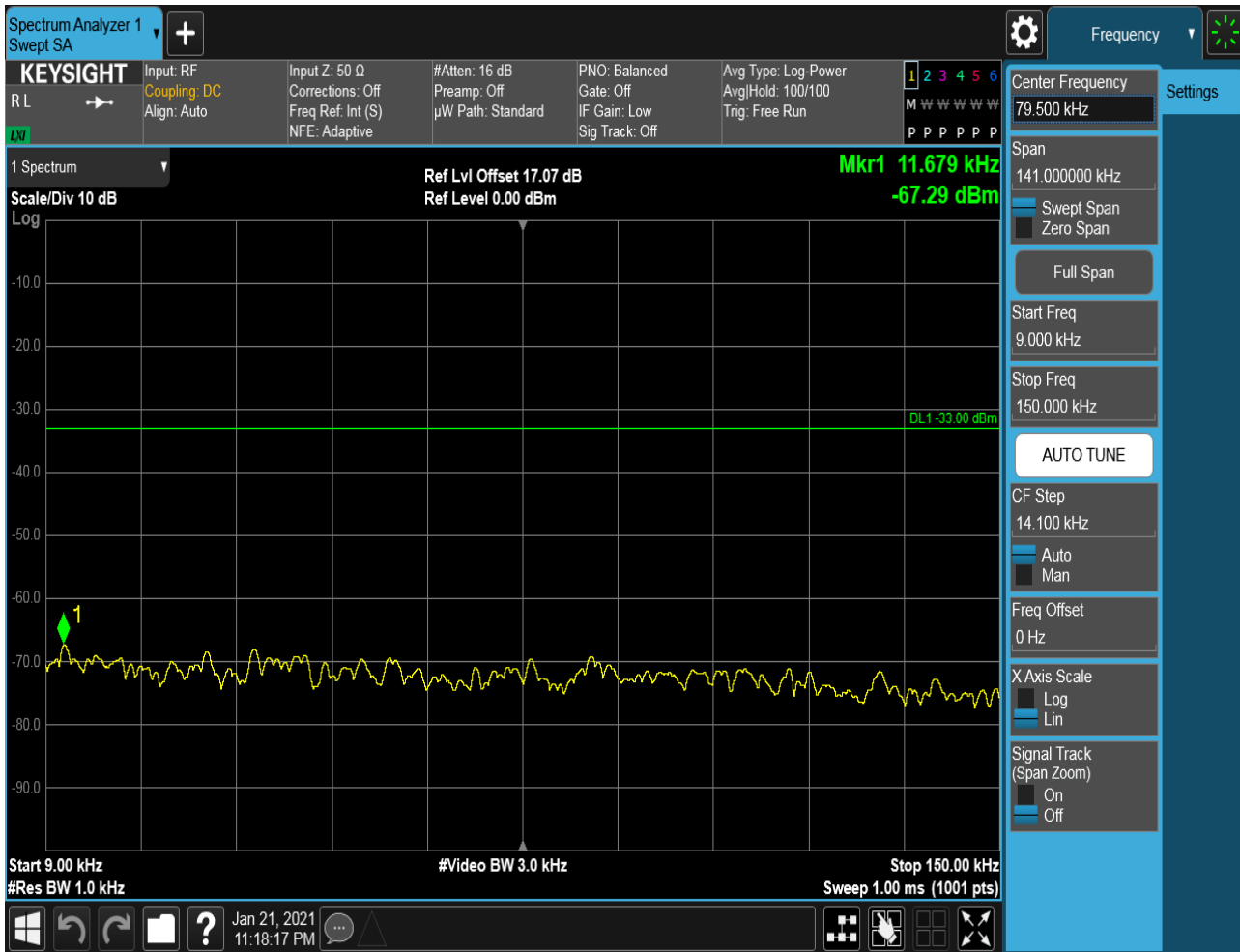


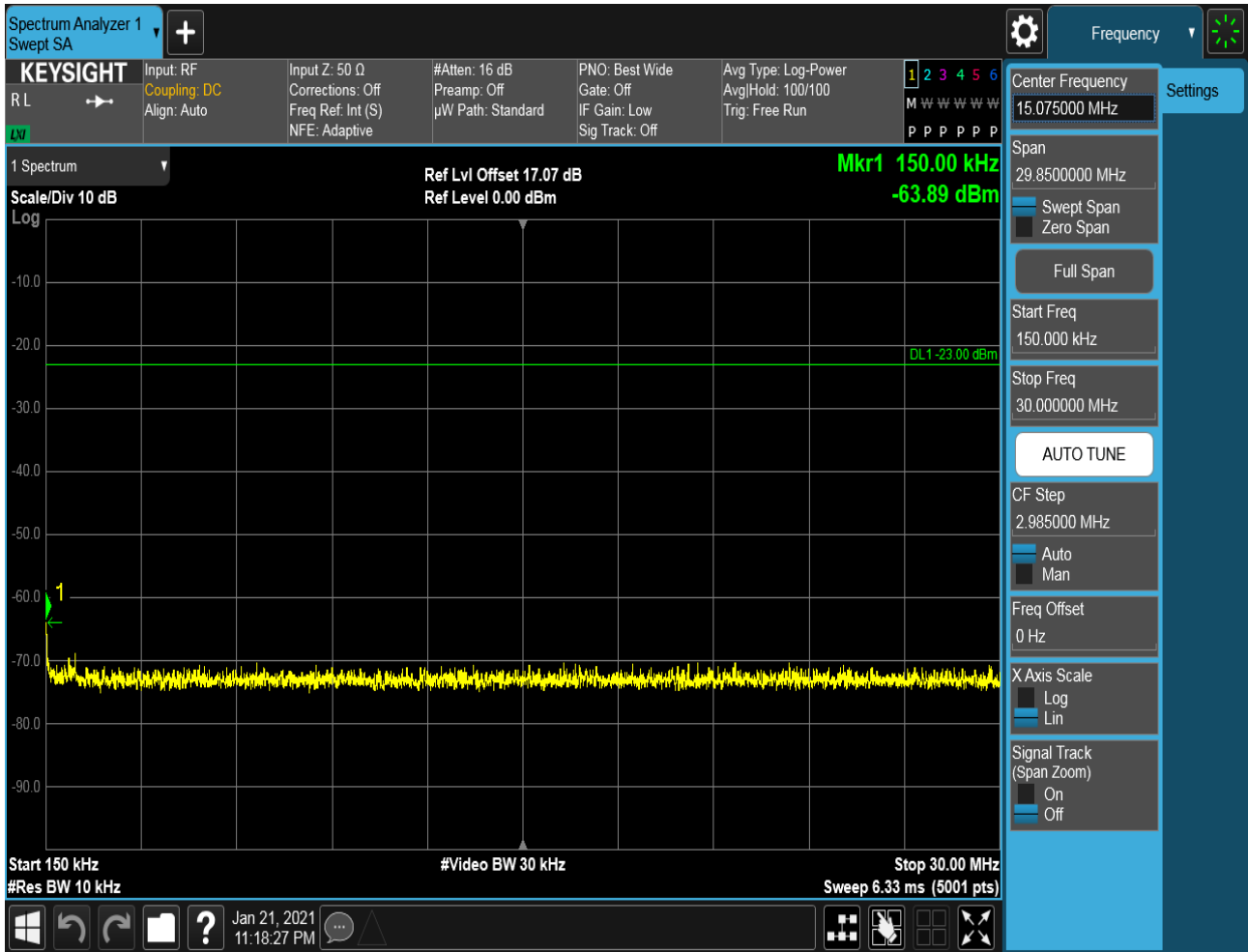


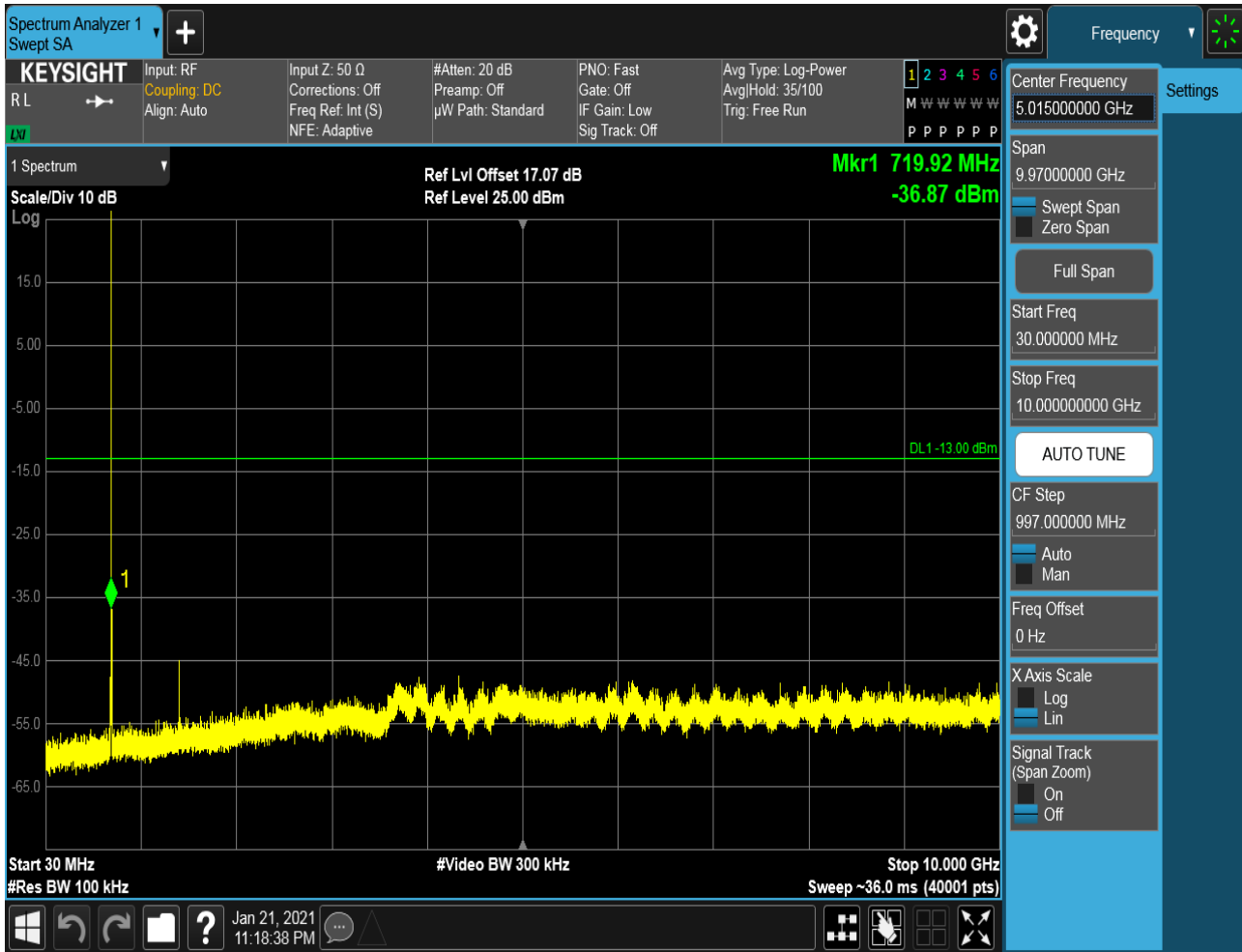


### 6.2.1.2.1.3 Test Channel = HCH

#### 6.2.1.2.1.3.1 Test RB = RB1#0



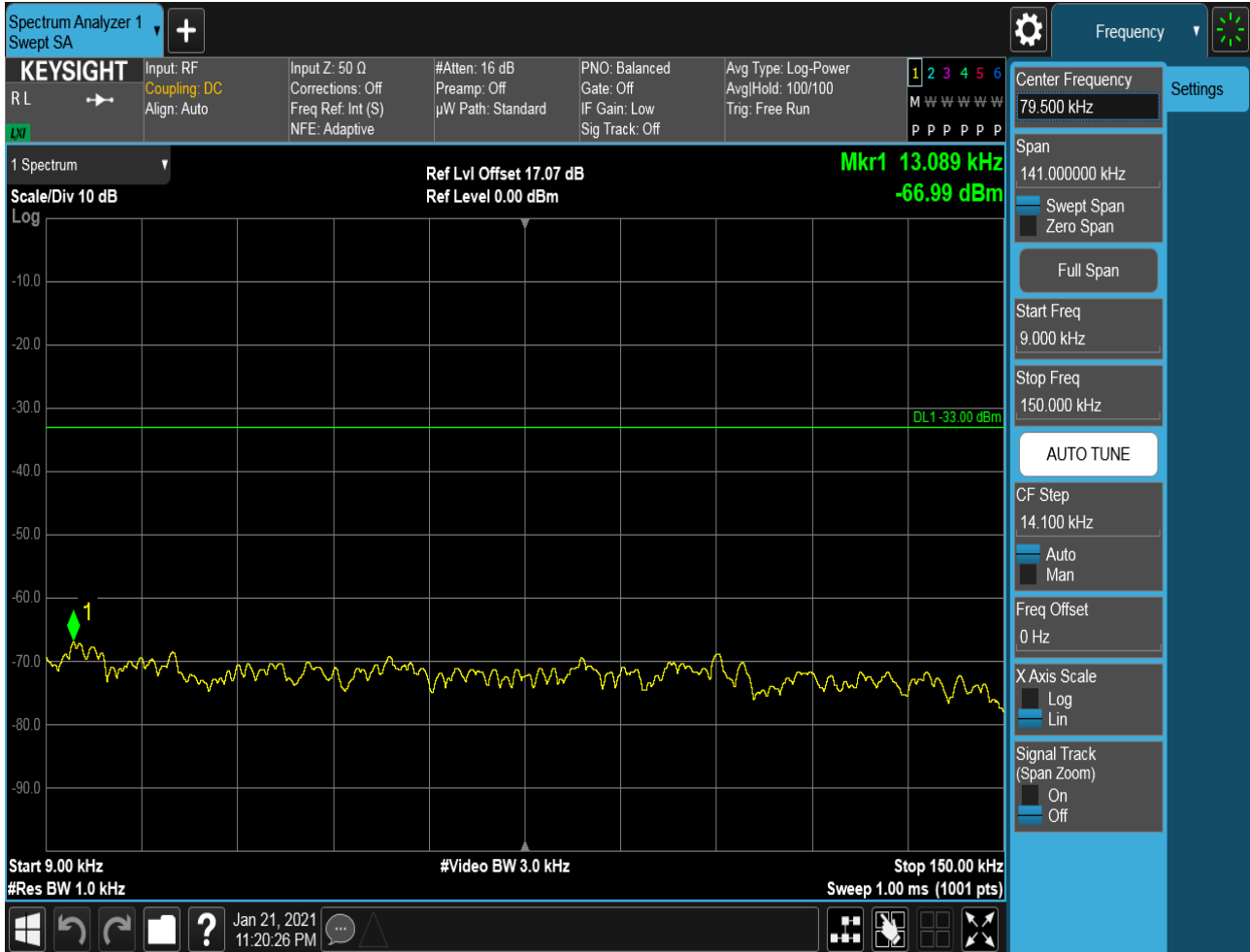




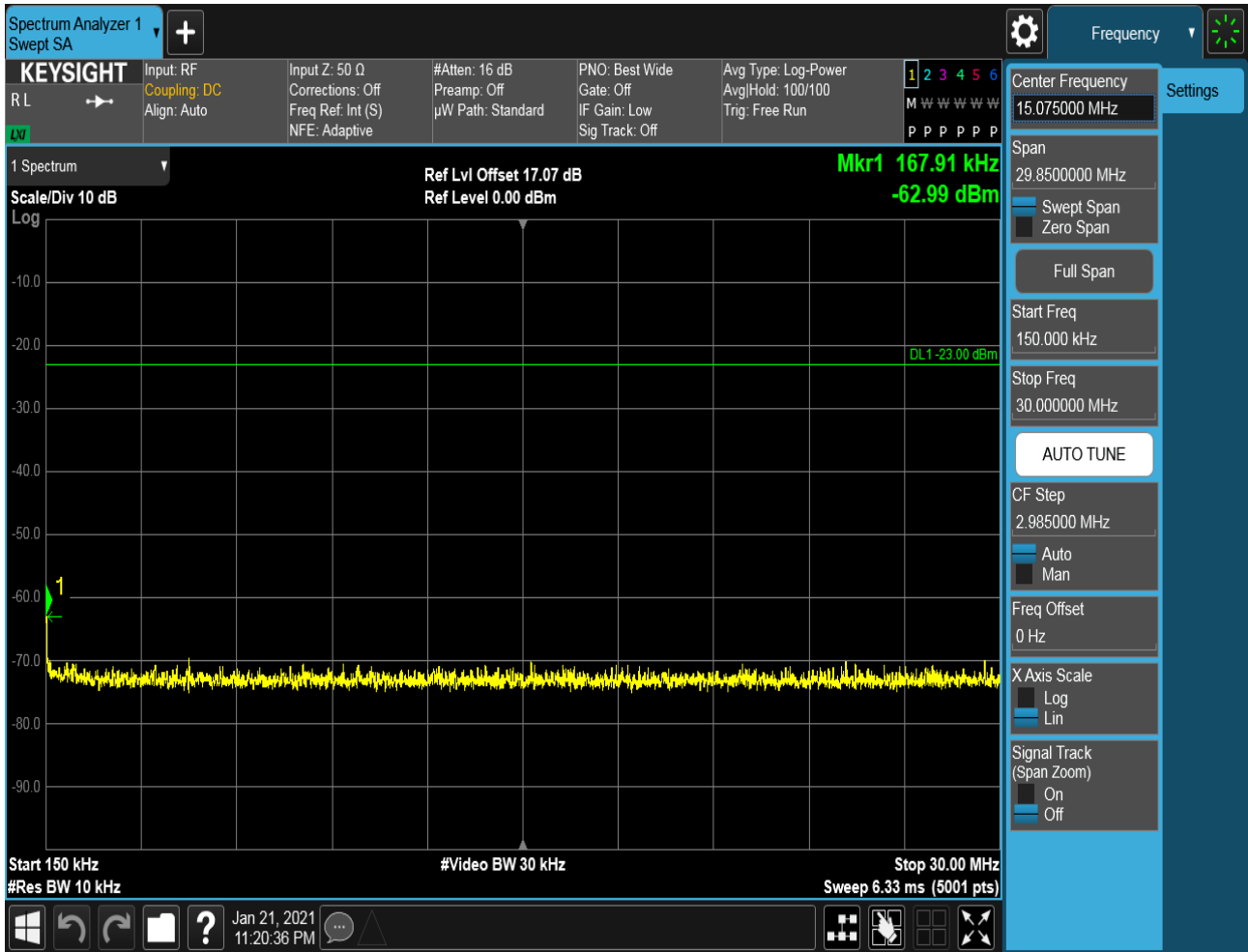
### 6.2.1.2.2 Test Bandwidth = 10

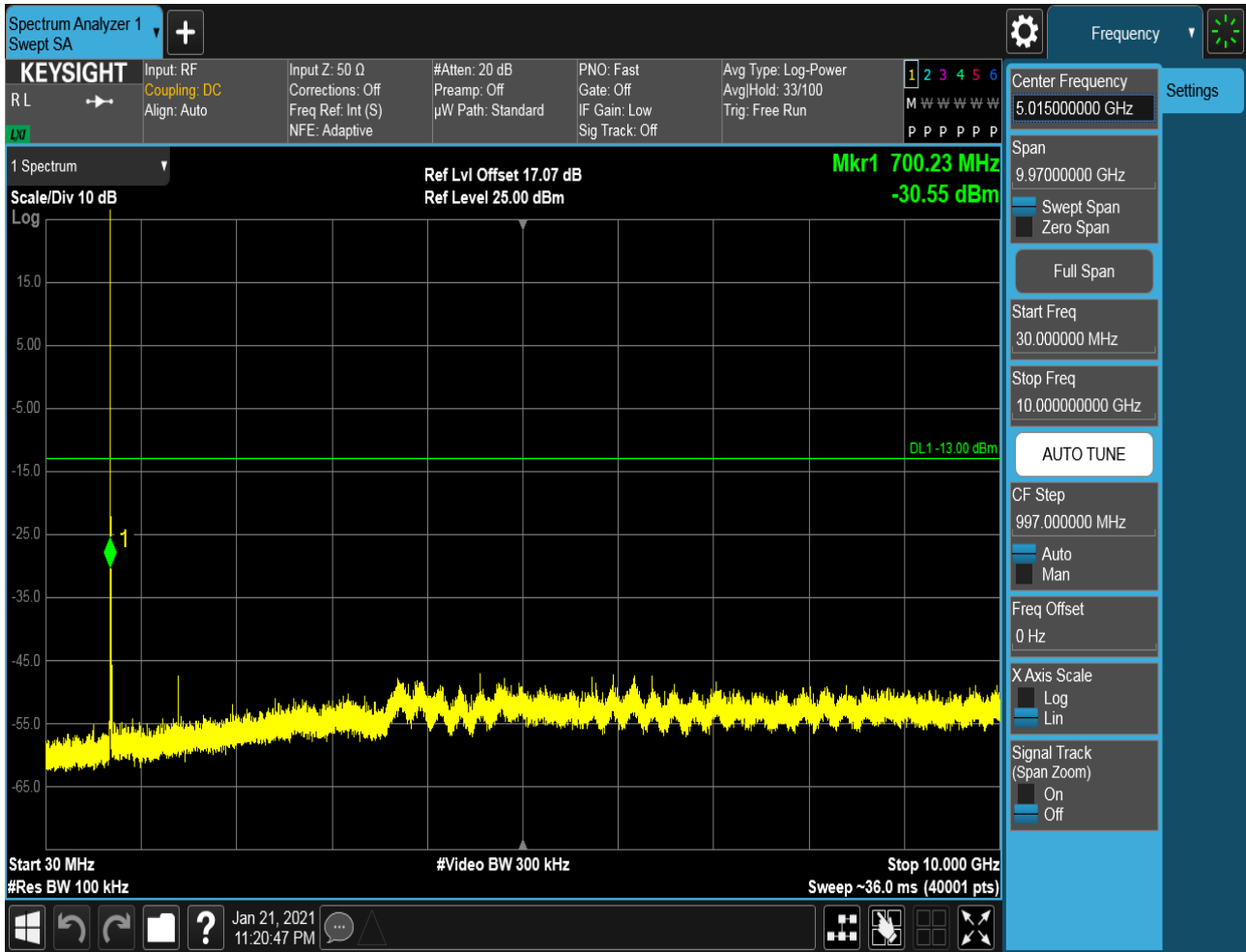
#### 6.2.1.2.2.1 Test Channel = LCH

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



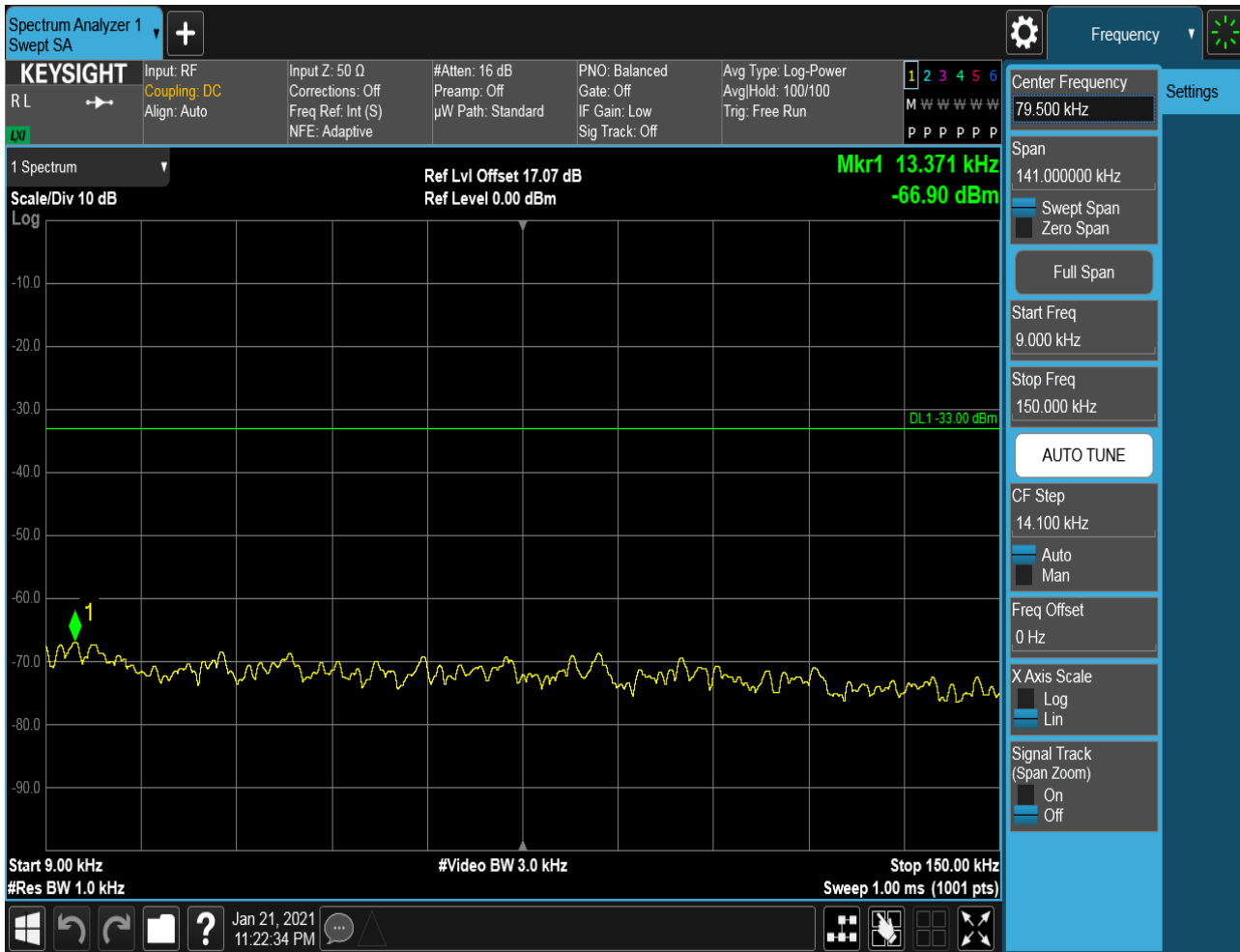


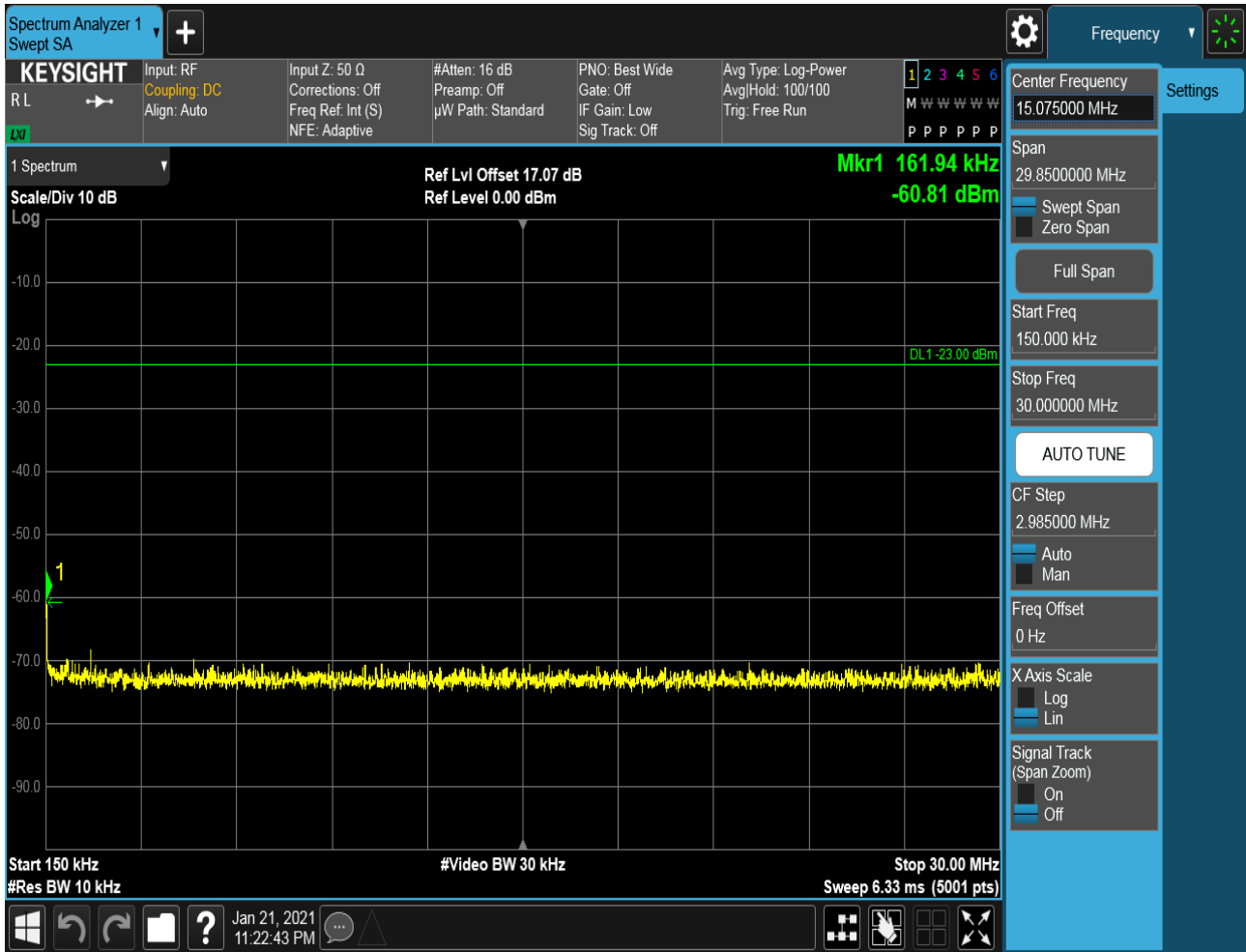


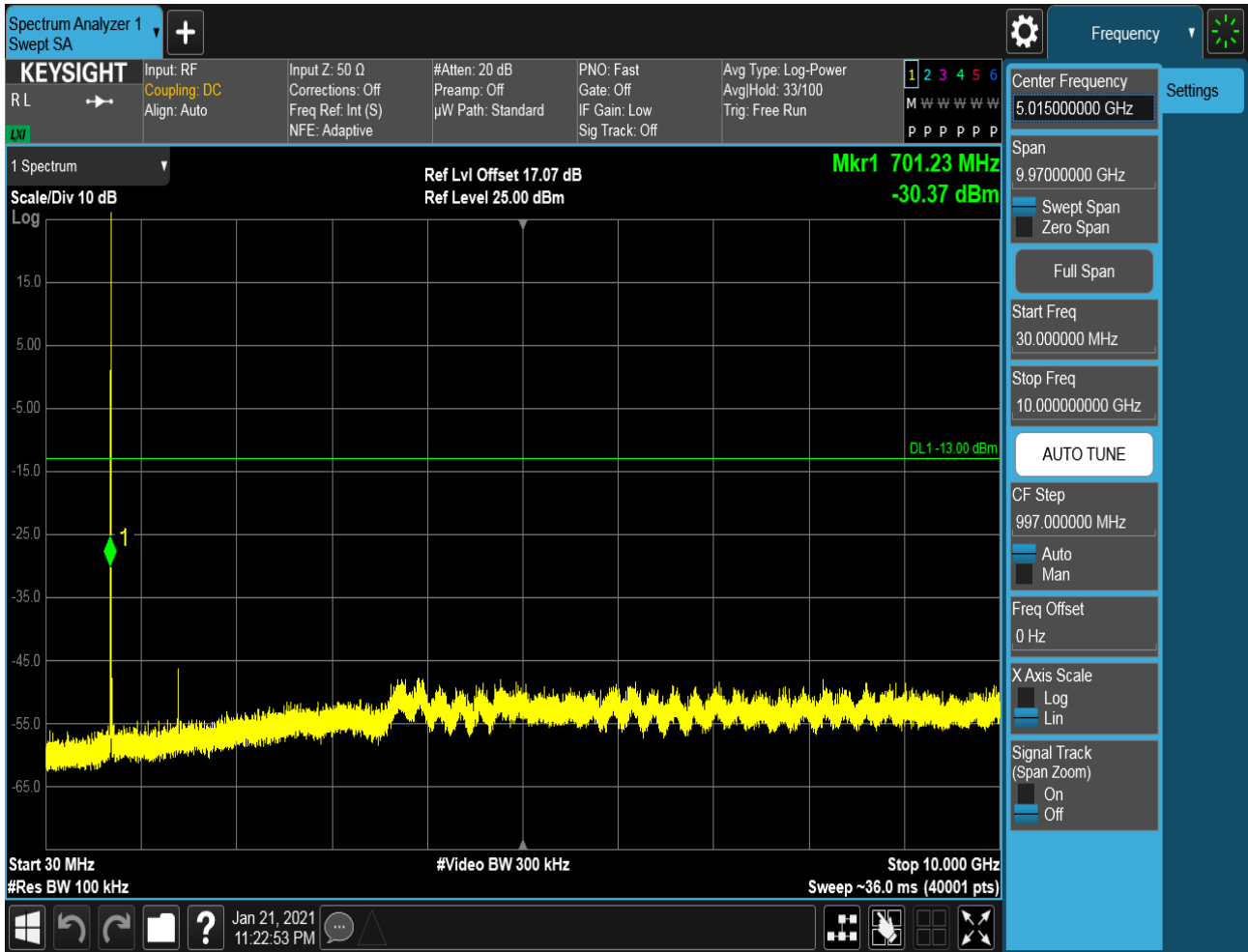


### 6.2.1.2.2.2 Test Channel = MCH

#### 6.2.1.2.2.2.1 Test RB = RB1#0

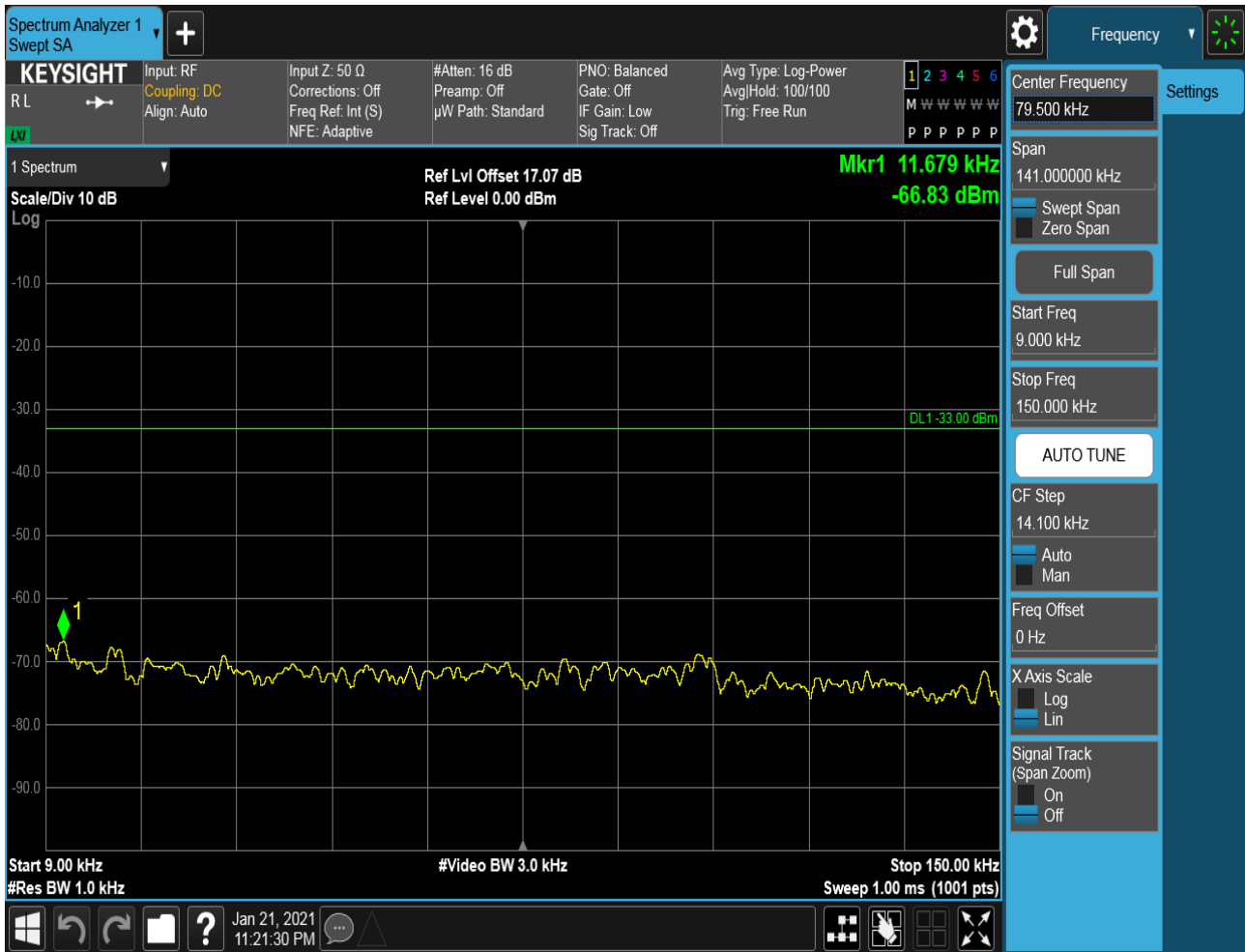


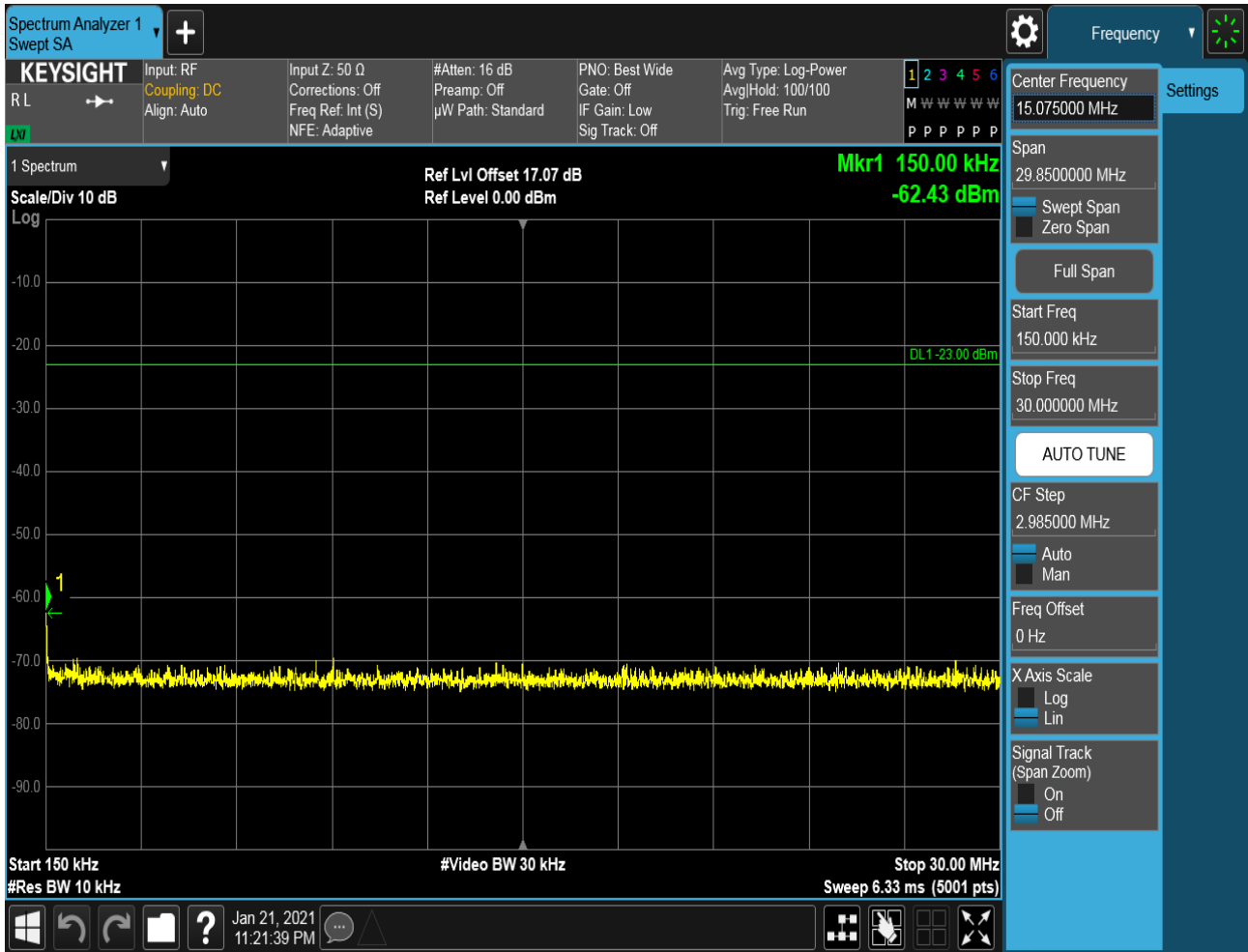


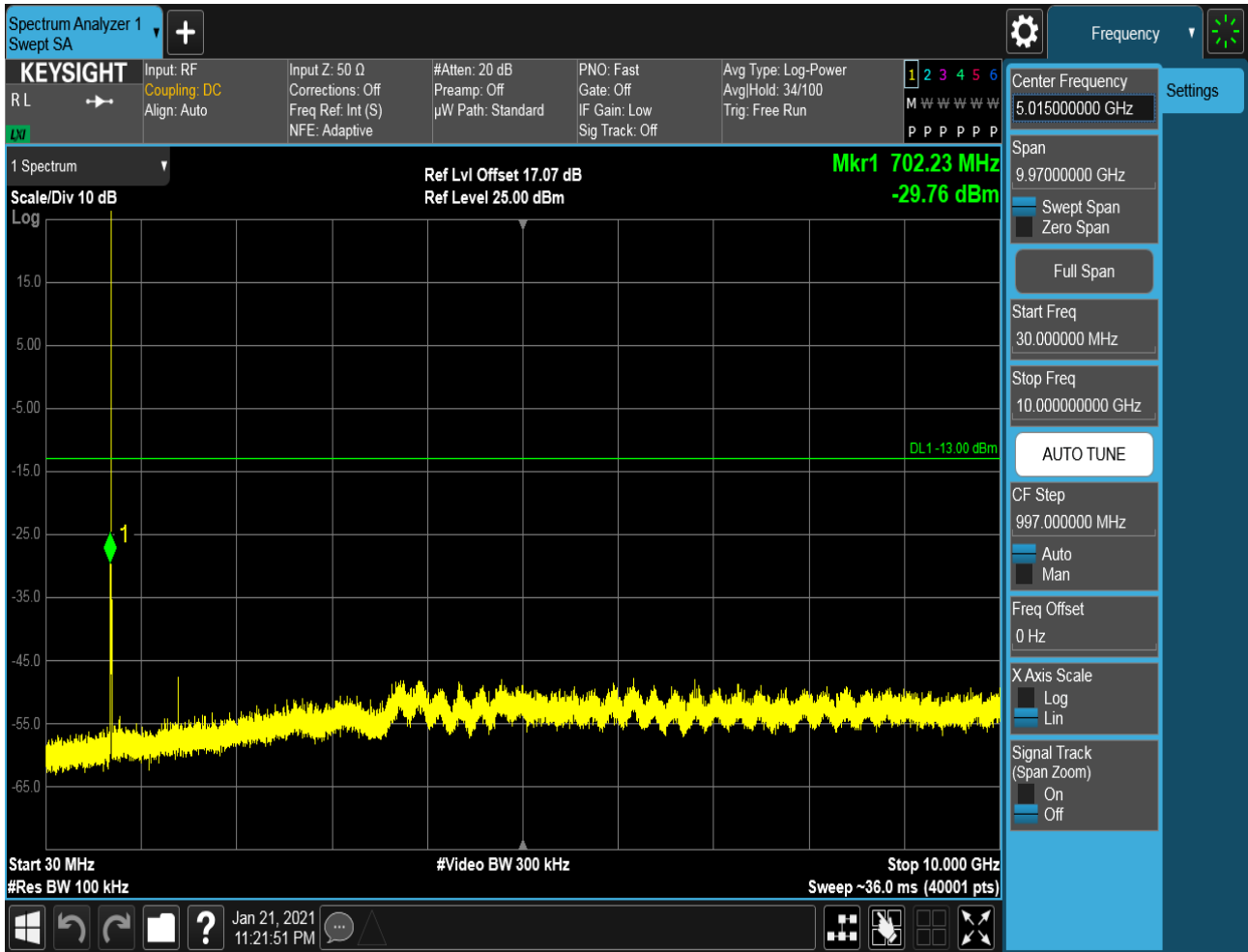


### 6.2.1.2.2.3 Test Channel = HCH

#### 6.2.1.2.2.3.1 Test RB = RB1#0









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

Note: We tested all modes & antennas, 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

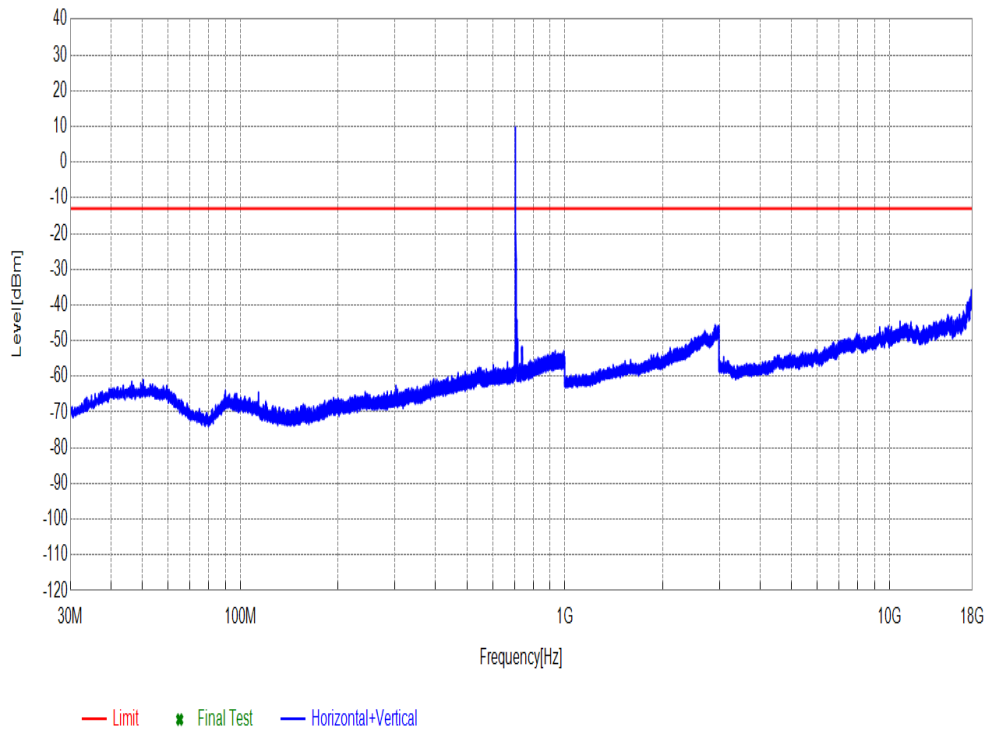
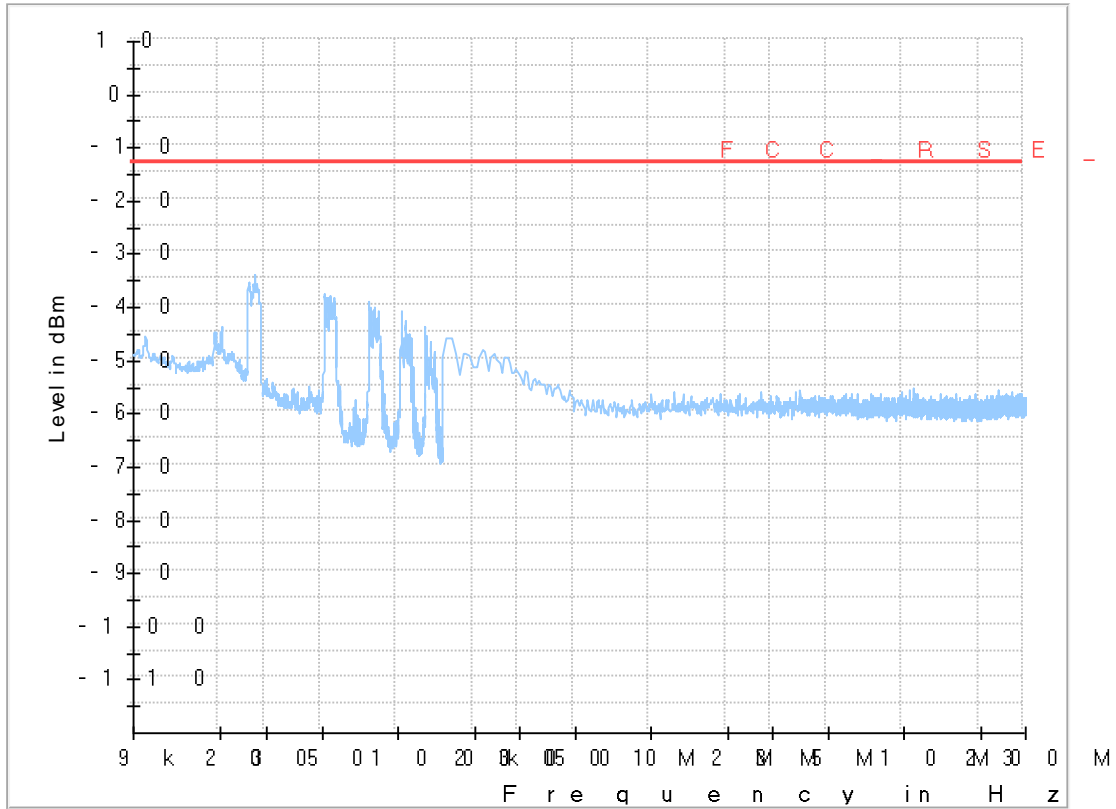
### Part I - Test Plots

#### 7.1 For LTE

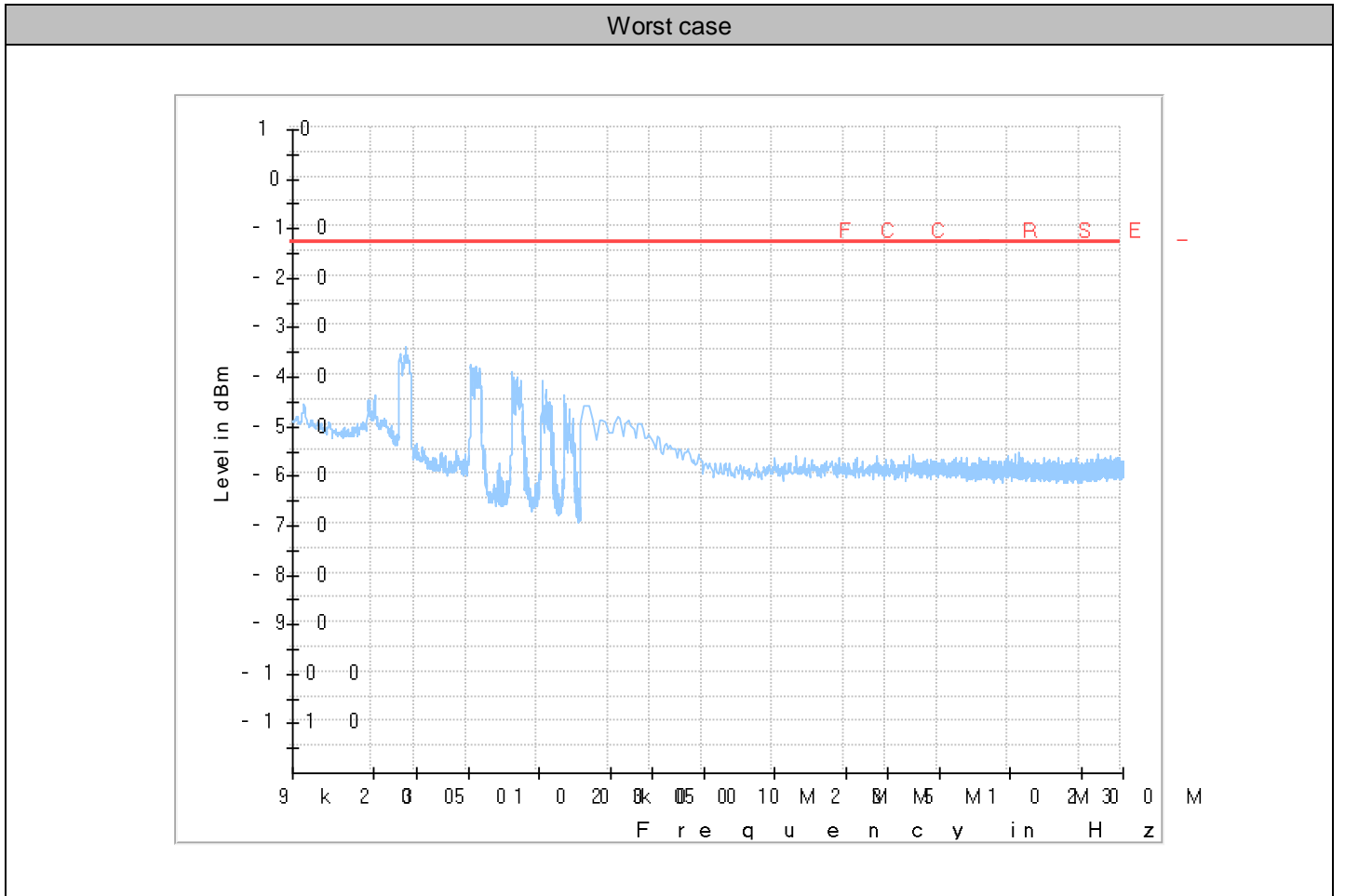
##### 7.1.1 Test Band = Band17

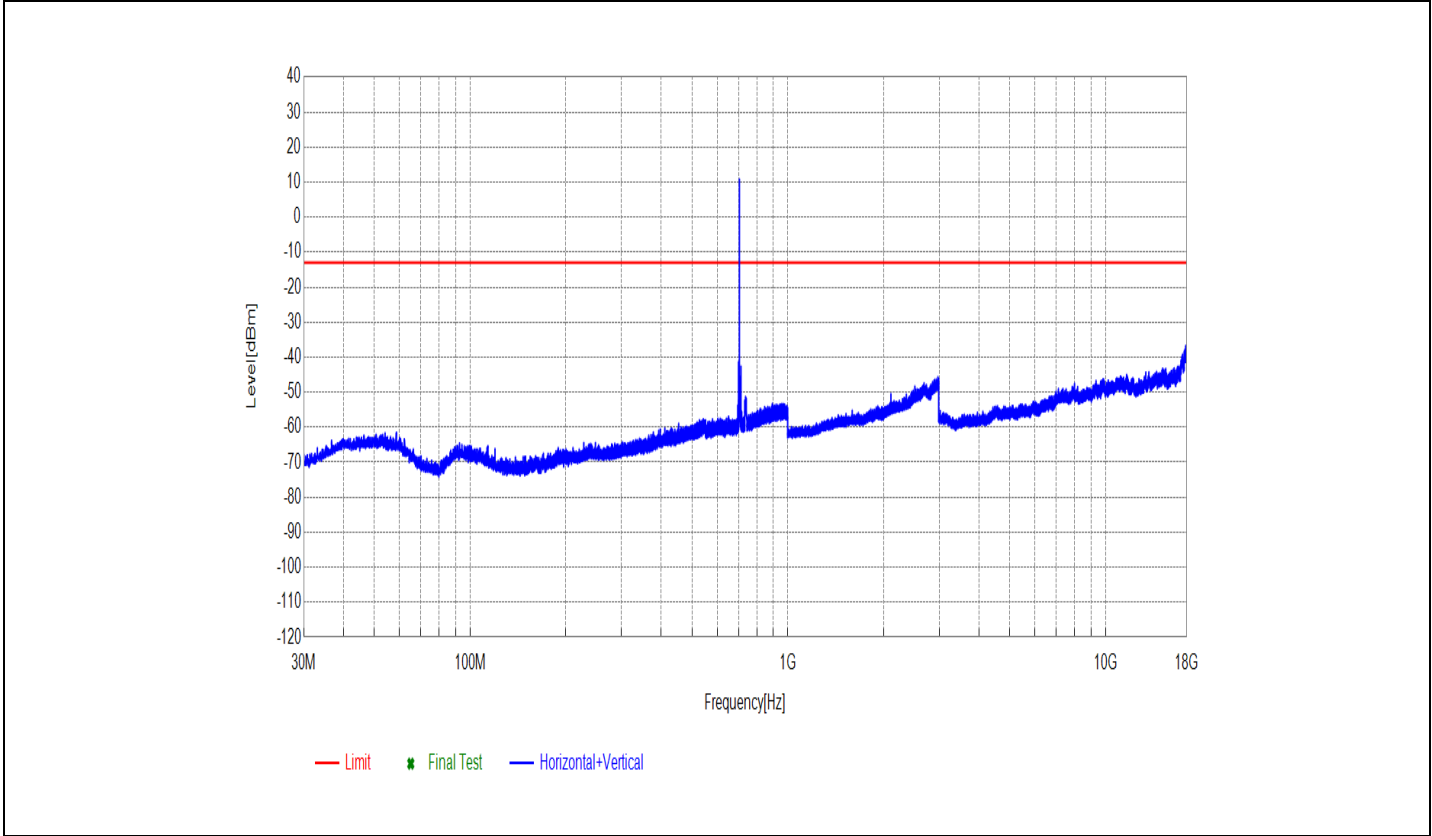
##### 7.1.1.1 Test Bandwidth = 5

Worst case



### 7.1.1.2 Test Bandwidth = 10





## 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	4.59194	0.00650	PASS
					VN	-0.77248	-0.00109	PASS
					VH	4.06265	0.00575	PASS
			MCH	TN	VL	3.54767	0.00500	PASS
					VN	9.62734	0.01356	PASS
					VH	4.97818	0.00701	PASS
			HCH	TN	VL	3.07560	0.00431	PASS
					VN	-0.22888	-0.00032	PASS
					VH	-2.76089	-0.00387	PASS
		10	LCH	TN	VL	2.77519	0.00391	PASS
					VN	2.51770	0.00355	PASS
					VH	3.41892	0.00482	PASS
			MCH	TN	VL	0.74387	0.00105	PASS
					VN	-20.19882	-0.02845	PASS
					VH	-14.39095	-0.02027	PASS
			HCH	TN	VL	-1.41621	-0.00199	PASS
					VN	32.40108	0.04557	PASS
					VH	7.85351	0.01105	PASS
	LTE/TM2	5	LCH	TN	VL	8.36849	0.01184	PASS
					VN	4.22001	0.00597	PASS
					VH	3.19004	0.00452	PASS
			MCH	TN	VL	5.26428	0.00741	PASS
					VN	-3.14712	-0.00443	PASS
					VH	-1.67370	-0.00236	PASS
			HCH	TN	VL	-6.19412	-0.00868	PASS
					VN	3.70503	0.00519	PASS
					VH	8.18253	0.01147	PASS
10	LCH	TN	VL	-0.81539	-0.00115	PASS		
			VN	3.19004	0.00450	PASS		
			VH	-0.38624	-0.00054	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	2.16007	0.00304	PASS
					VN	0.32902	0.00046	PASS
					VH	7.76768	0.01094	PASS
			HCH	TN	VL	-1.15871	-0.00163	PASS
					VN	2.07424	0.00292	PASS
					VH	-4.53472	-0.00638	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	-5.53608	-0.00784	PASS
					-20	11.47270	0.01624	PASS
					-10	-2.87533	-0.00407	PASS
					0	-1.24455	-0.00176	PASS
					10	0.42915	0.00061	PASS
					20	-0.77248	-0.00109	PASS
					30	5.35011	0.00757	PASS
					40	6.06537	0.00859	PASS
			MCH	VN	-30	8.19683	0.01154	PASS
					-20	2.96116	0.00417	PASS
					-10	3.40462	0.00480	PASS
					0	11.61575	0.01636	PASS
					10	1.95980	0.00276	PASS
					20	9.62734	0.01356	PASS
					30	5.17845	0.00729	PASS
					40	7.78198	0.01096	PASS
			HCH	VN	-30	2.03133	0.00285	PASS
					-20	8.62598	0.01209	PASS
					-10	1.24455	0.00174	PASS
					0	0.65804	0.00092	PASS
					10	4.74930	0.00666	PASS
					20	-0.22888	-0.00032	PASS
					30	8.35419	0.01171	PASS
					40	-4.04835	-0.00567	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	-2.43187	-0.00341	PASS
					-30	4.24862	0.00599	PASS
					-20	9.38415	0.01324	PASS
					-10	1.73092	0.00244	PASS
					0	1.28746	0.00182	PASS
					10	-0.40054	-0.00056	PASS
					20	2.51770	0.00355	PASS
					30	0.98705	0.00139	PASS
					40	-5.12123	-0.00722	PASS
			50	1.25885	0.00178	PASS		
			MCH	VN	-30	-16.90865	-0.02382	PASS
					-20	-4.01974	-0.00566	PASS
					-10	-11.01494	-0.01551	PASS
					0	-17.69543	-0.02492	PASS
					10	-14.04762	-0.01979	PASS
					20	-20.19882	-0.02845	PASS
					30	-9.75609	-0.01374	PASS
					40	-16.90865	-0.02382	PASS
			HCH	VN	50	-19.79828	-0.02788	PASS
					-30	22.27306	0.03133	PASS
					-20	24.13273	0.03394	PASS
					-10	36.33499	0.05110	PASS
					0	25.50602	0.03587	PASS
					10	21.72947	0.03056	PASS
					20	32.40108	0.04557	PASS
	30	23.83232			0.03352	PASS		
	40	28.26691	0.03976	PASS				
	50	21.08574	0.02966	PASS				
	LTE/TM2	5	LCH	VN	-30	5.12123	0.00725	PASS
					-20	3.56197	0.00504	PASS
					-10	-1.48773	-0.00211	PASS
					0	4.23431	0.00599	PASS
					10	7.38144	0.01045	PASS
					20	4.22001	0.00597	PASS
					30	-0.57220	-0.00081	PASS
40					6.17981	0.00875	PASS	
50					0.78678	0.00111	PASS	
MCH			VN	-30	3.46184	0.00488	PASS	

Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict				
					-20	2.83241	0.00399	PASS				
					-10	4.63486	0.00653	PASS				
					0	6.62327	0.00933	PASS				
					10	2.73228	0.00385	PASS				
					20	-3.14712	-0.00443	PASS				
					30	9.18388	0.01294	PASS				
					40	7.10964	0.01001	PASS				
			50	-0.02861	-0.00004	PASS						
			HCH	VN				-30	1.05858	0.00148	PASS	
								-20	3.66211	0.00513	PASS	
								-10	-1.43051	-0.00200	PASS	
								0	8.65459	0.01213	PASS	
								10	5.06401	0.00710	PASS	
								20	3.70503	0.00519	PASS	
								30	0.17166	0.00024	PASS	
			40	1.47343		0.00207	PASS					
			50	-3.99113		-0.00559	PASS					
			LCH	VN					-30	-5.96523	-0.00841	PASS
									-20	-0.81539	-0.00115	PASS
									-10	-8.32558	-0.01174	PASS
									0	0.38624	0.00054	PASS
		10							-3.20435	-0.00452	PASS	
		20							3.19004	0.00450	PASS	
		30							3.29018	0.00464	PASS	
		40	0.42915	0.00061			PASS					
		50	-8.86917	-0.01251			PASS					
		MCH	VN						-30	1.73092	0.00244	PASS
									-20	-2.00272	-0.00282	PASS
									-10	-1.45912	-0.00206	PASS
					0				-4.94957	-0.00697	PASS	
					10				2.88963	0.00407	PASS	
					20				0.32902	0.00046	PASS	
					30				3.07560	0.00433	PASS	
		40	-3.97682		-0.00560		PASS					
		50	-0.18597		-0.00026		PASS					
		HCH	VN						-30	-0.75817	-0.00107	PASS
									-20	-4.60625	-0.00648	PASS
									-10	-7.91073	-0.01113	PASS



Test Band	Test Mode	Test Bandwidth (MHz)	Test Channel	Test Volt.	Test Temp	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
					0	-8.31127	-0.01169	PASS
					10	-8.61168	-0.01211	PASS
					20	2.07424	0.00292	PASS
					30	-3.33309	-0.00469	PASS
					40	-9.34124	-0.01314	PASS
					50	-10.51426	-0.01479	PASS

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END