



# Appendix for test report



# 1Appendix\_A: Conducted Power Output Data

## Part I - Test Results

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	Limit [dBm]	Verdict
BAND26	LTE/TM1	1.4	LCH	RB1#0	23.02	50	PASS
				RB1#3	22.94	50	PASS
				RB1#5	22.9	50	PASS
				RB3#0	22.82	50	PASS
				RB3#2	22.85	50	PASS
				RB3#3	22.84	50	PASS
				RB6#0	21.92	50	PASS
			MCH	RB1#0	23.23	50	PASS
				RB1#3	23.24	50	PASS
				RB1#5	23.17	50	PASS
				RB3#0	23.11	50	PASS
				RB3#2	23.02	50	PASS
				RB3#3	23.05	50	PASS
				RB6#0	22.15	50	PASS
		HCH	RB1#0	22.9	50	PASS	
			RB1#3	22.91	50	PASS	
			RB1#5	22.87	50	PASS	
			RB3#0	22.87	50	PASS	
			RB3#2	22.82	50	PASS	
			RB3#3	22.83	50	PASS	
			RB6#0	21.95	50	PASS	
		3	LCH	RB1#0	22.94	50	PASS
				RB1#7	22.9	50	PASS
				RB1#14	23.01	50	PASS
				RB8#0	21.91	50	PASS
				RB8#4	21.82	50	PASS
				RB8#7	21.81	50	PASS
				RB15#0	21.79	50	PASS
MCH	RB1#0		23	50	PASS		
	RB1#7		23.27	50	PASS		
	RB1#14		23.16	50	PASS		
	RB8#0		22.09	50	PASS		

			HCH	RB8#4	22.04	50	PASS
				RB8#7	22.15	50	PASS
				RB15#0	22.08	50	PASS
				RB1#0	23.04	50	PASS
				RB1#7	22.93	50	PASS
				RB1#14	22.87	50	PASS
				RB8#0	21.95	50	PASS
				RB8#4	21.93	50	PASS
				RB8#7	21.96	50	PASS
				RB15#0	21.89	50	PASS
		5	LCH	RB1#0	22.98	50	PASS
				RB1#13	22.96	50	PASS
				RB1#24	23.1	50	PASS
				RB12#0	21.85	50	PASS
				RB12#6	21.82	50	PASS
				RB12#13	22.04	50	PASS
				RB25#0	21.85	50	PASS
			MCH	RB1#0	22.95	50	PASS
				RB1#13	23.2	50	PASS
				RB1#24	22.98	50	PASS
				RB12#0	21.96	50	PASS
				RB12#6	22.1	50	PASS
				RB12#13	22.06	50	PASS
			HCH	RB25#0	21.98	50	PASS
				RB1#0	23.15	50	PASS
				RB1#13	23.02	50	PASS
				RB1#24	22.79	50	PASS
				RB12#0	22.05	50	PASS
		RB12#6		21.92	50	PASS	
		10	LCH/ MCH/ HCH	RB12#13	21.92	50	PASS
				RB25#0	21.94	50	PASS
				RB1#0	22.82	50	PASS
				RB1#25	23.26	50	PASS
RB1#49	22.82			50	PASS		
RB25#0	21.9			50	PASS		
RB25#13	22.13			50	PASS		
LTE/TM2	1.4	LCH	RB25#25	21.96	50	PASS	
			RB50#0	21.83	50	PASS	
			RB1#0	21.73	50	PASS	
				RB1#3	21.79	50	PASS
				RB1#5	21.7	50	PASS

			RB3#0	21.56	50	PASS
			RB3#2	21.66	50	PASS
			RB3#3	21.66	50	PASS
			RB6#0	20.82	50	PASS
		MCH	RB1#0	22.04	50	PASS
			RB1#3	22.06	50	PASS
			RB1#5	22.07	50	PASS
			RB3#0	21.87	50	PASS
			RB3#2	21.85	50	PASS
			RB3#3	21.88	50	PASS
		HCH	RB6#0	20.98	50	PASS
			RB1#0	21.76	50	PASS
			RB1#3	21.75	50	PASS
			RB1#5	21.74	50	PASS
	RB3#0		21.68	50	PASS	
	RB3#2		21.65	50	PASS	
	3	LCH	RB3#3	21.65	50	PASS
			RB6#0	20.84	50	PASS
			RB1#0	21.73	50	PASS
			RB1#7	21.73	50	PASS
			RB1#14	21.8	50	PASS
			RB8#0	20.92	50	PASS
			RB8#4	20.83	50	PASS
		MCH	RB8#7	20.86	50	PASS
			RB15#0	20.91	50	PASS
			RB1#0	21.88	50	PASS
			RB1#7	22.03	50	PASS
			RB1#14	21.96	50	PASS
RB8#0			21.12	50	PASS	
RB8#4			21.11	50	PASS	
HCH	RB8#7	21.12	50	PASS		
	RB15#0	21.19	50	PASS		
	RB1#0	21.86	50	PASS		
	RB1#7	21.8	50	PASS		
	RB1#14	21.66	50	PASS		
	RB8#0	20.95	50	PASS		
	RB8#4	20.93	50	PASS		
5	LCH	RB8#7	20.85	50	PASS	
		RB15#0	20.93	50	PASS	
		LCH	RB1#0	21.88	50	PASS
			RB1#13	21.91	50	PASS

				RB1#24	22.09	50	PASS	
				RB12#0	20.87	50	PASS	
				RB12#6	20.9	50	PASS	
				RB12#13	21.01	50	PASS	
				RB25#0	20.89	50	PASS	
			MCH	RB1#0	21.97	50	PASS	
				RB1#13	22.25	50	PASS	
				RB1#24	22.03	50	PASS	
				RB12#0	20.97	50	PASS	
				RB12#6	21.05	50	PASS	
				RB12#13	21.06	50	PASS	
				RB25#0	21	50	PASS	
			HCH	RB1#0	22.12	50	PASS	
				RB1#13	22.03	50	PASS	
				RB1#24	21.88	50	PASS	
				RB12#0	21.02	50	PASS	
				RB12#6	20.88	50	PASS	
				RB12#13	20.85	50	PASS	
				RB25#0	20.95	50	PASS	
			10	LCH/ MCH/ HCH	RB1#0	21.69	50	PASS
					RB1#25	22.04	50	PASS
					RB1#49	21.7	50	PASS
					RB25#0	20.94	50	PASS
					RB25#13	21.15	50	PASS
					RB25#25	21.06	50	PASS
					RB50#0	20.83	50	PASS

## 2Appendix\_B: Modulation Characteristics

### Part I - Test Plots

#### 2.1 For LTE

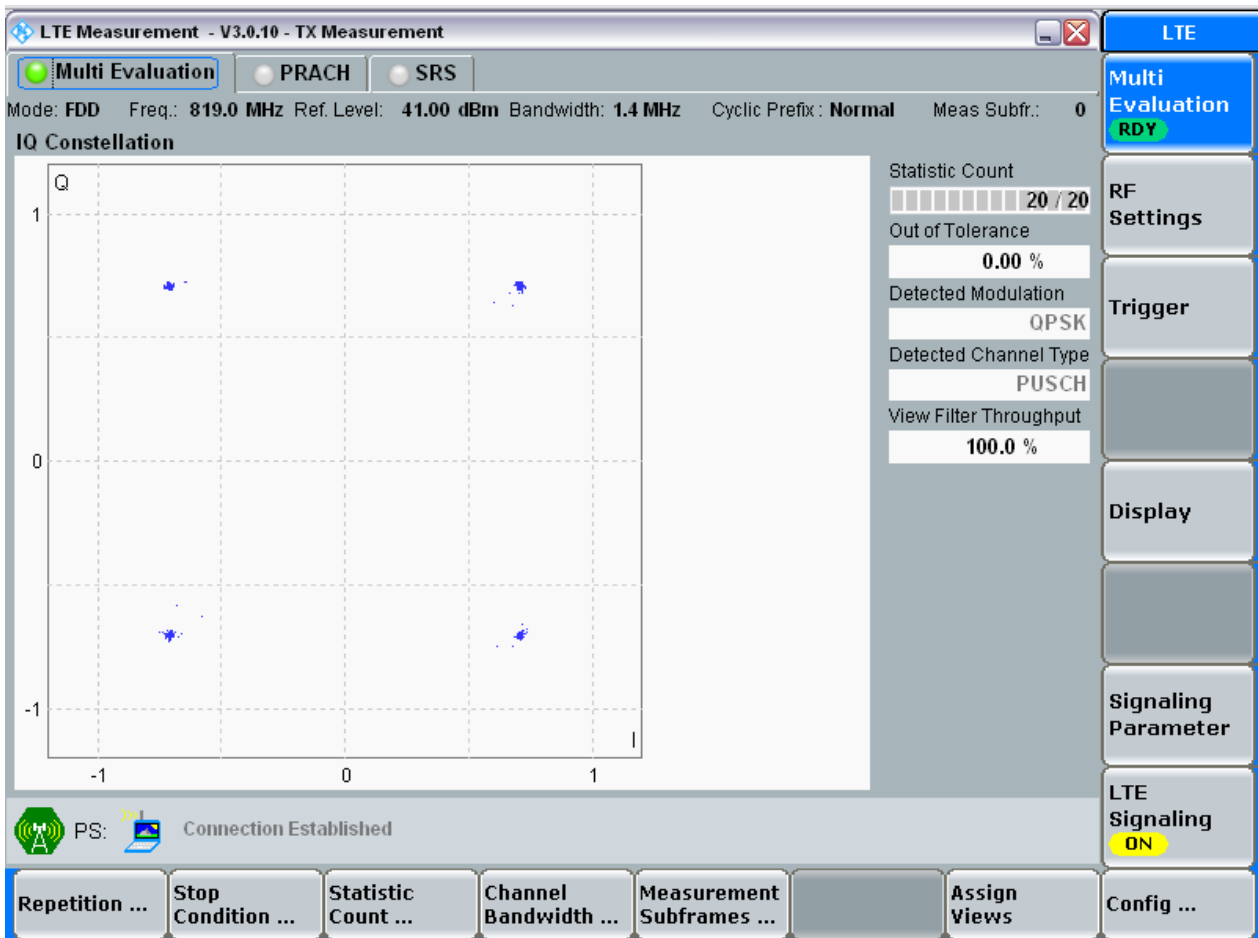
##### 2.1.1 Test Band = BAND26

##### 2.1.1.1 Test Mode = LTE/TM1

##### 2.1.1.1.1 Test Bandwidth = 1.4

##### 2.1.1.1.1.1 Test Channel = MCH

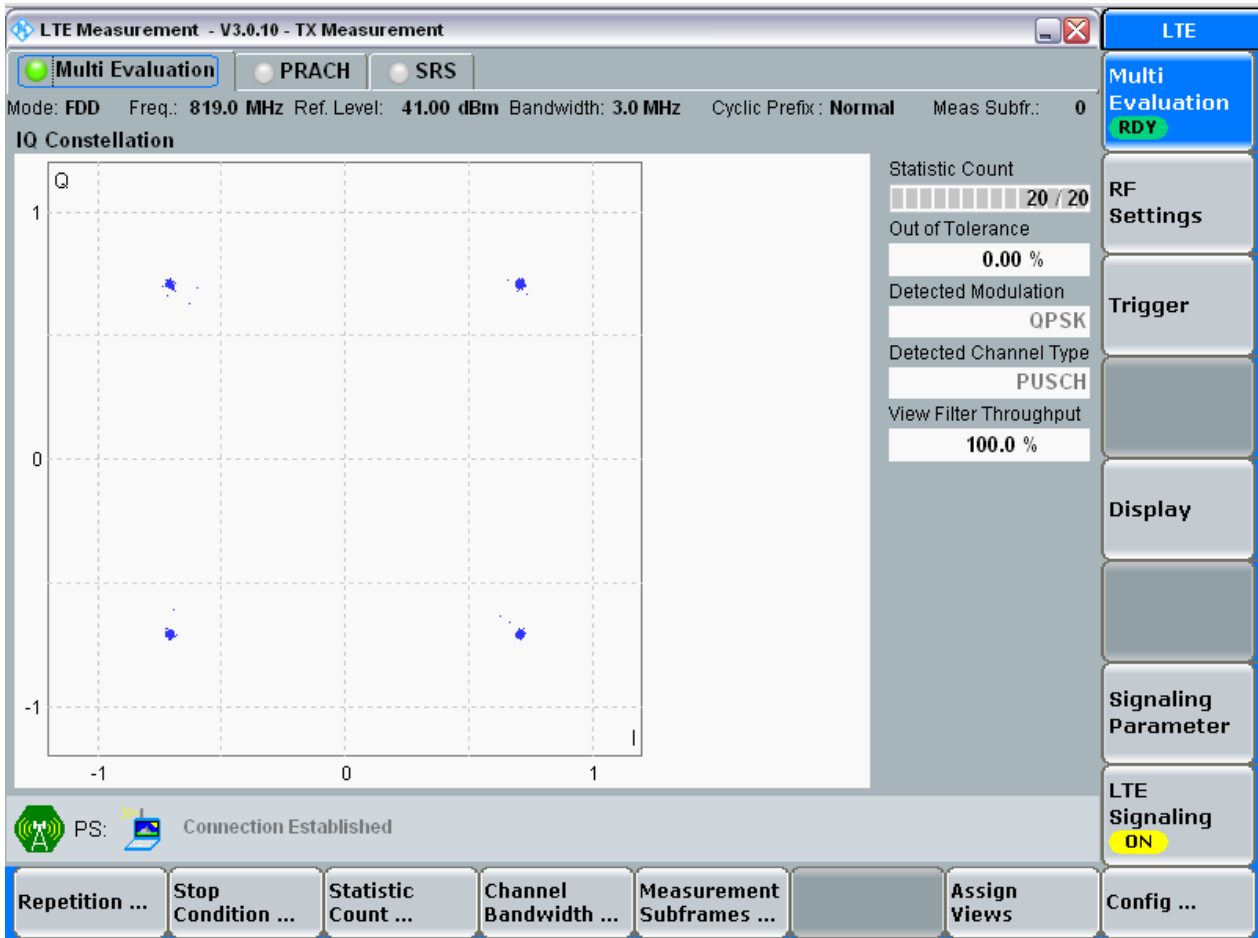
##### 2.1.1.1.1.1.1 Test RB = RB6#0



### 2.1.1.1.2 Test Bandwidth = 3

#### 2.1.1.1.2.1 Test Channel = MCH

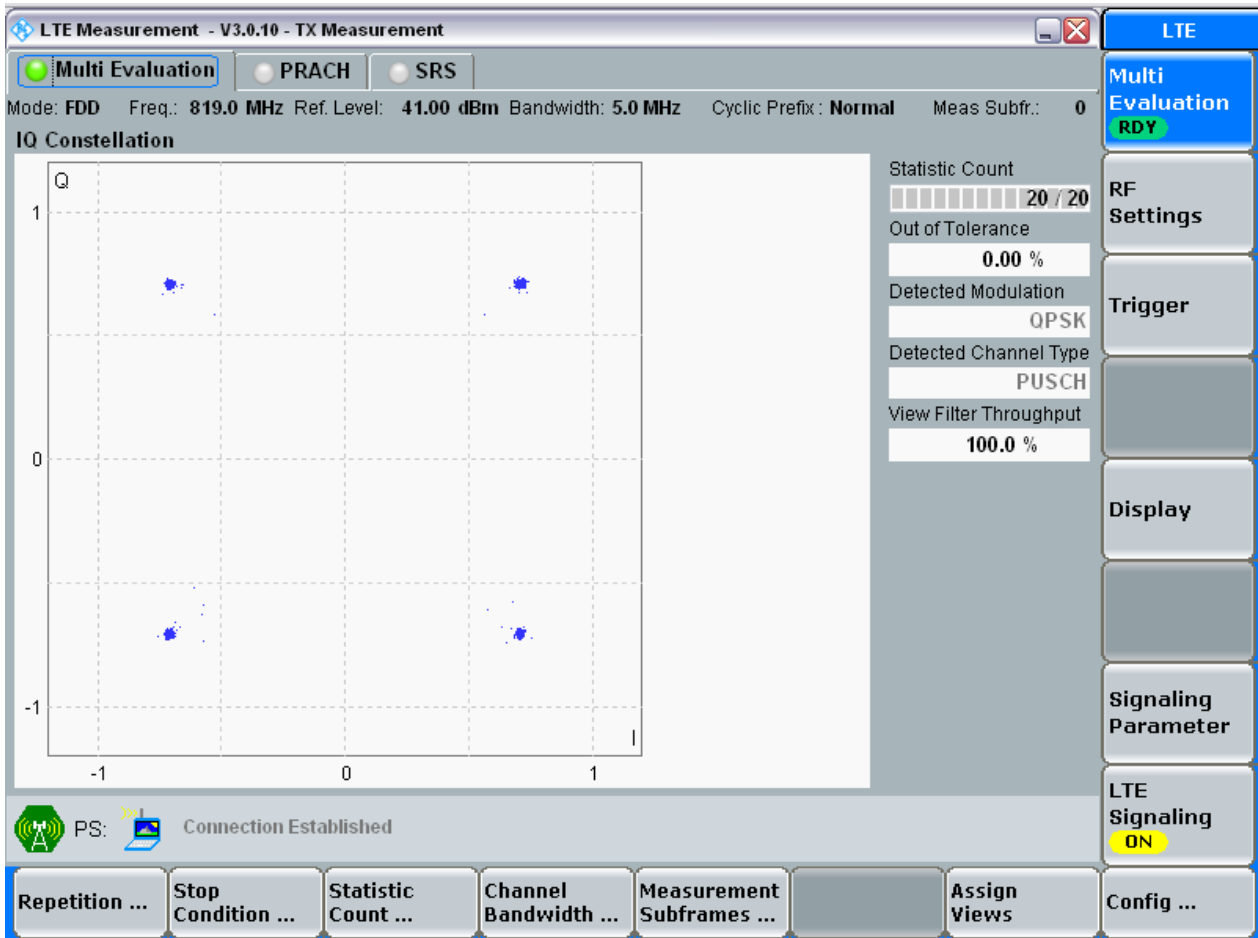
##### 2.1.1.1.2.1.1 Test RB = RB15#0



### 2.1.1.1.3 Test Bandwidth = 5

#### 2.1.1.1.3.1 Test Channel = MCH

##### 2.1.1.1.3.1.1 Test RB = RB25#0

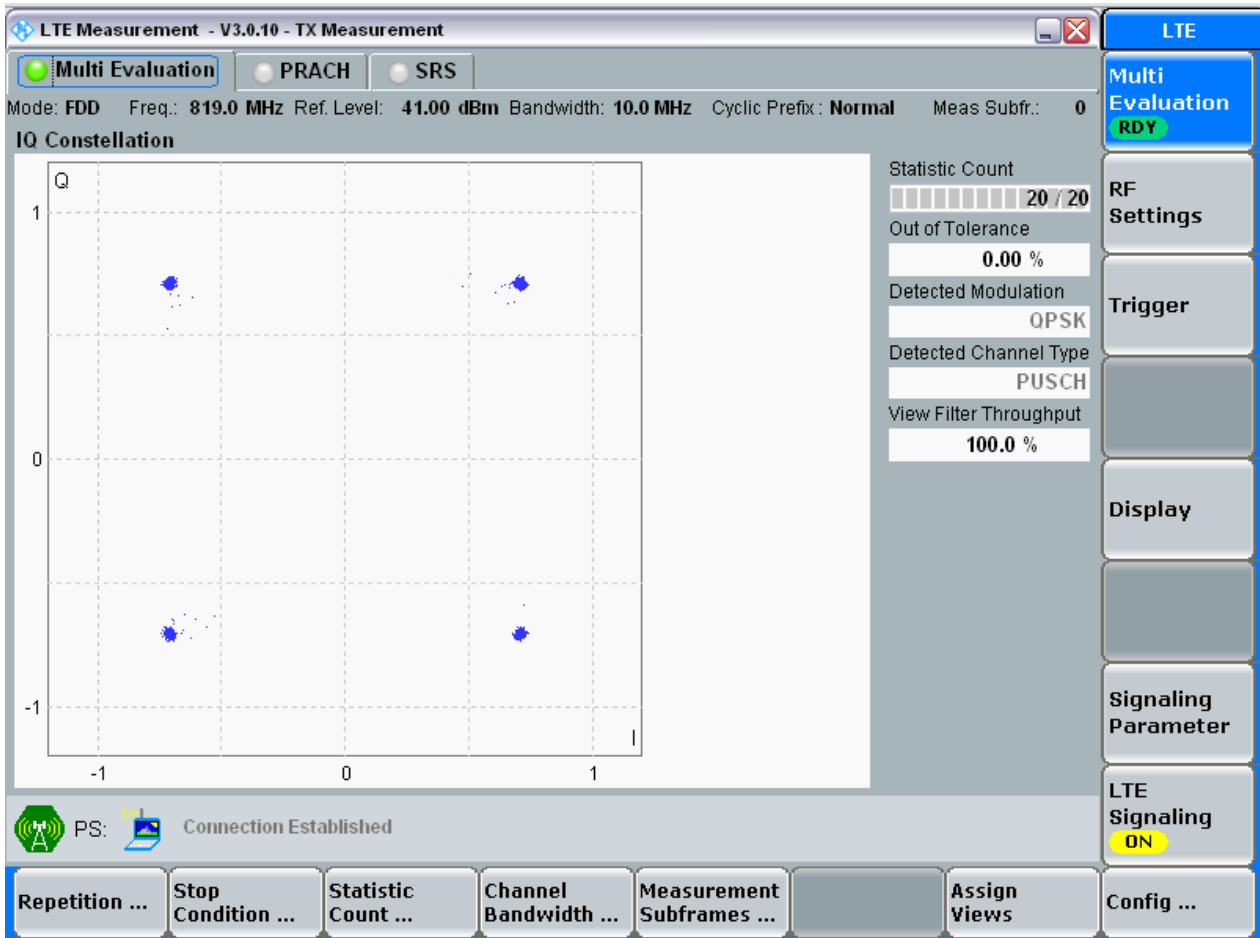




2.1.1.1.4 Test Bandwidth = 10

2.1.1.1.4.1 Test Channel = MCH

2.1.1.1.4.1.1 Test RB = RB50#0

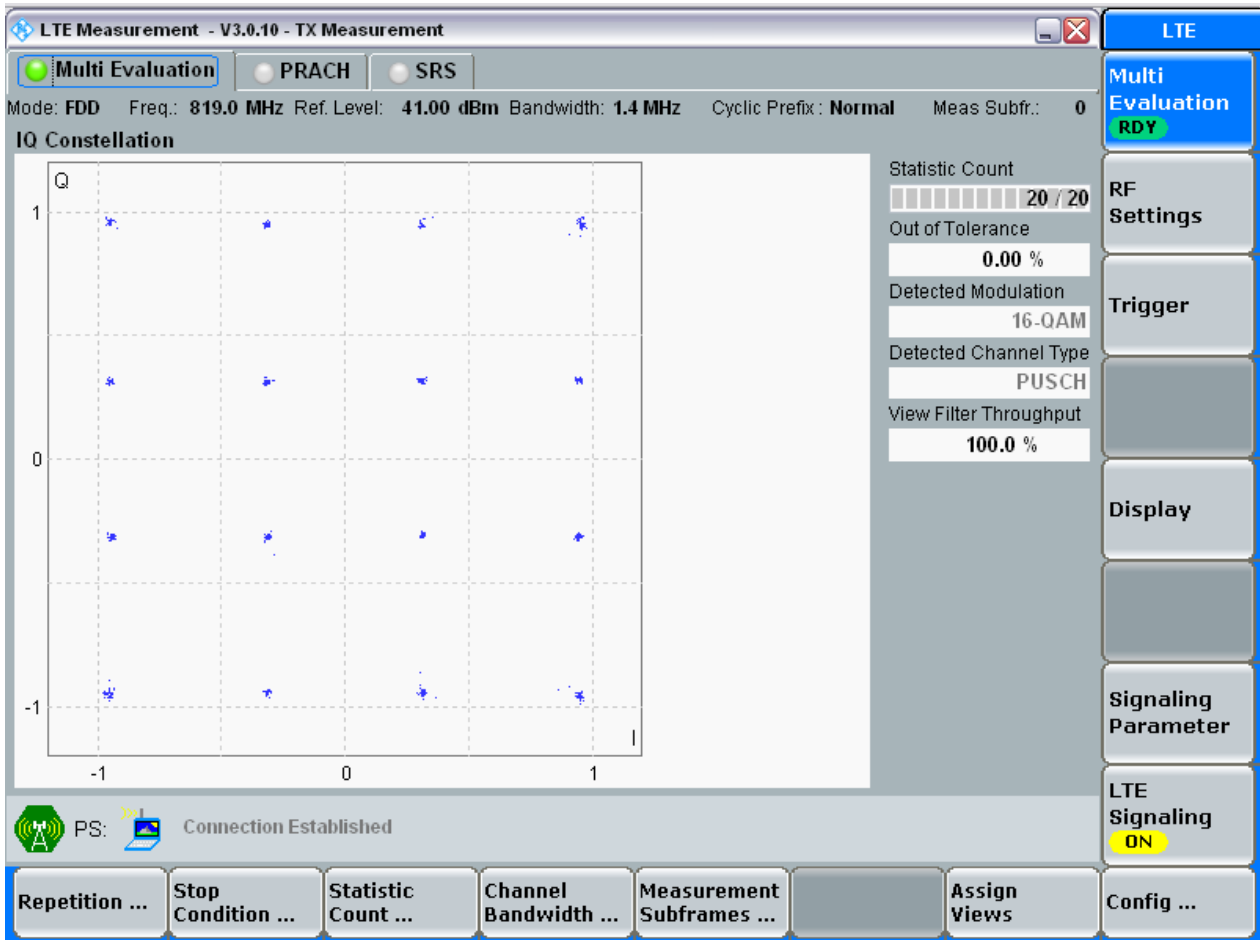


2.1.1.2 Test Mode = LTE/TM2

2.1.1.2.1 Test Bandwidth = 1.4

2.1.1.2.1.1 Test Channel = MCH

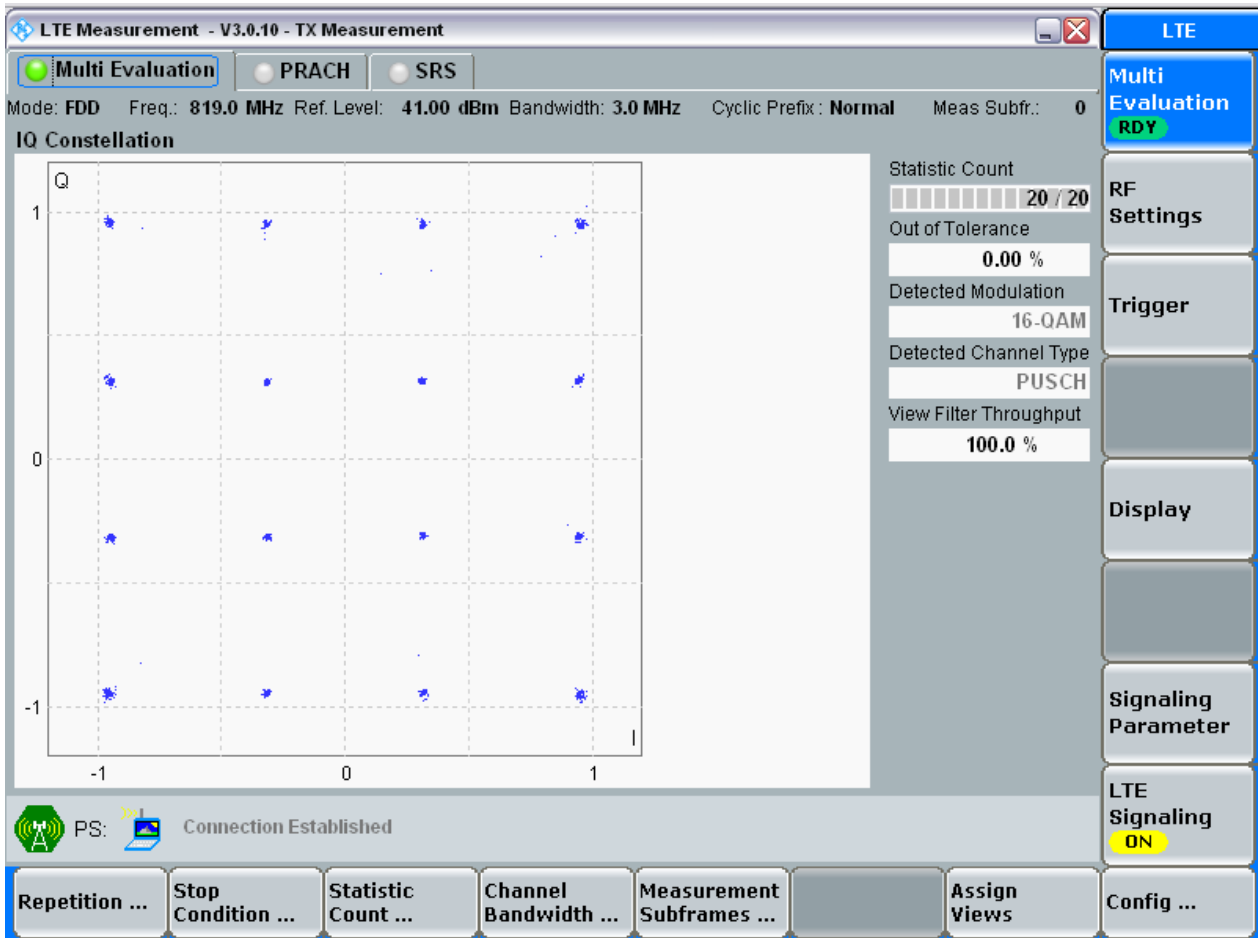
2.1.1.2.1.1.1 Test RB = RB6#0



### 2.1.1.2.2 Test Bandwidth = 3

#### 2.1.1.2.2.1 Test Channel = MCH

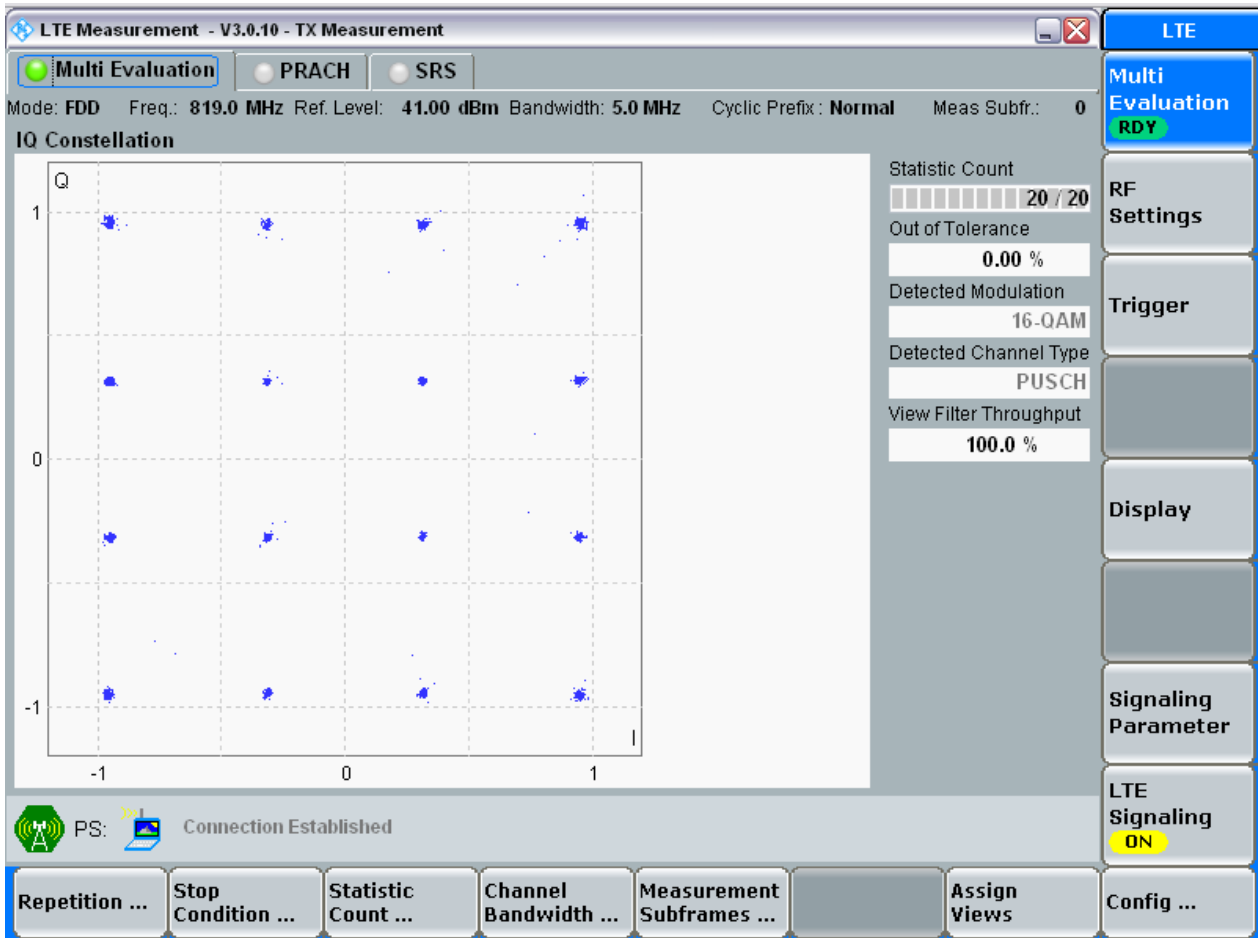
##### 2.1.1.2.2.1.1 Test RB = RB15#0



### 2.1.1.2.3 Test Bandwidth = 5

#### 2.1.1.2.3.1 Test Channel = MCH

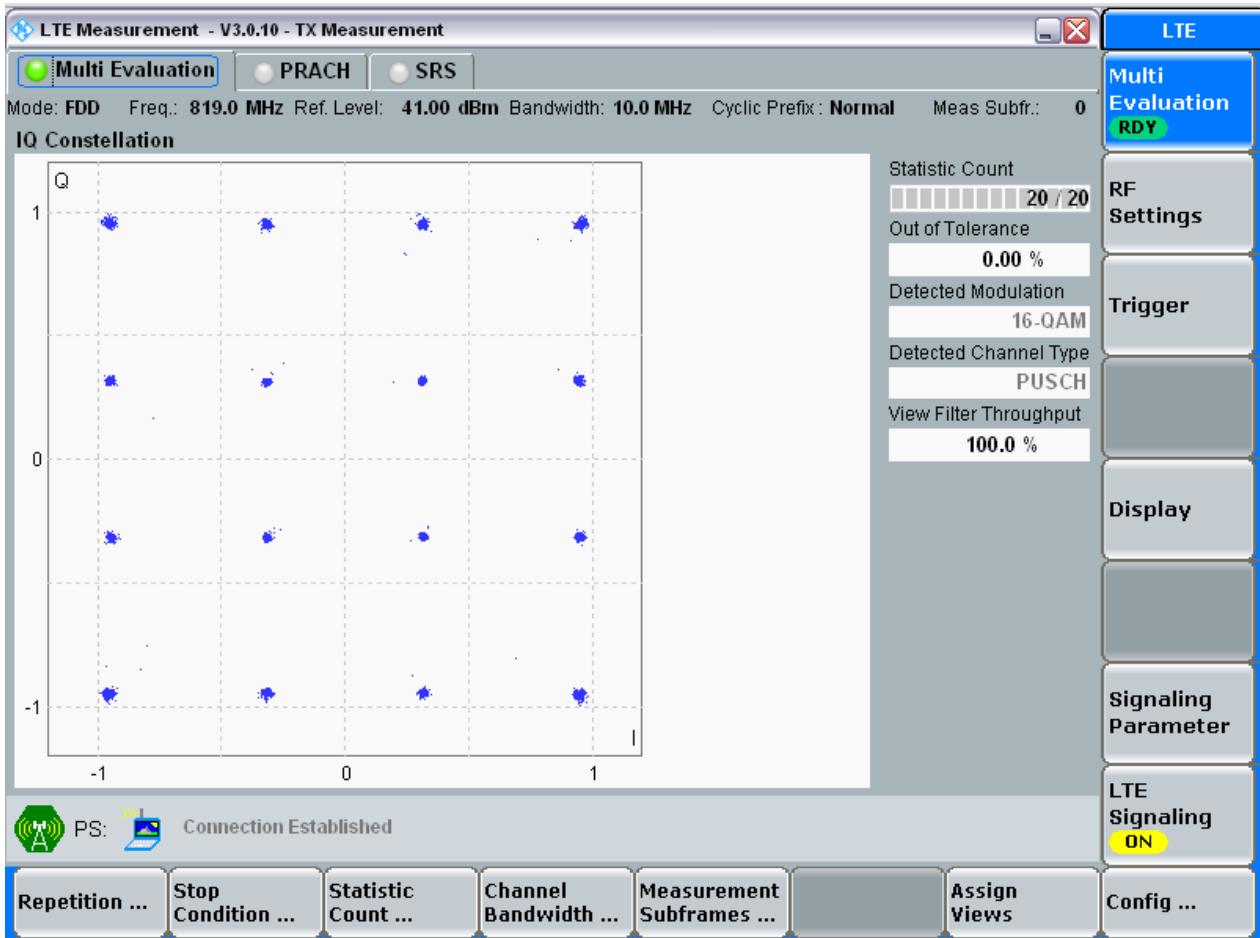
##### 2.1.1.2.3.1.1 Test RB = RB25#0



2.1.1.2.4 Test Bandwidth = 10

2.1.1.2.4.1 Test Channel = MCH

2.1.1.2.4.1.1 Test RB = RB50#0





### 3Appendix\_C: Bandwidth

#### Part I - Test Results

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict	
BAND26	LTE/TM1	1.4	LCH	RB6#0	1.09	1.28	Pass	
			MCH	RB6#0	1.09	1.26	Pass	
			HCH	RB6#0	1.09	1.27	Pass	
		3	LCH	RB15#0	2.70	2.96	Pass	
			MCH	RB15#0	2.70	2.95	Pass	
			HCH	RB15#0	2.70	2.97	Pass	
		5	LCH	RB25#0	4.51	4.94	Pass	
			MCH	RB25#0	4.51	4.93	Pass	
			HCH	RB25#0	4.50	4.94	Pass	
		10	LCH/ MCH/ HCH	RB50#0	8.99	9.60	Pass	
		LTE/TM2	1.4	LCH	RB6#0	1.09	1.27	Pass
				MCH	RB6#0	1.09	1.28	Pass
	HCH			RB6#0	1.09	1.26	Pass	
	3		LCH	RB15#0	2.70	2.98	Pass	
			MCH	RB15#0	2.70	2.98	Pass	
			HCH	RB15#0	2.70	2.97	Pass	
	5		LCH	RB25#0	4.51	4.93	Pass	
			MCH	RB25#0	4.51	4.90	Pass	
			HCH	RB25#0	4.51	4.94	Pass	
	10		LCH/ MCH/ HCH	RB50#0	8.97	9.57	Pass	



Part II - Test Plots

3.1 For LTE

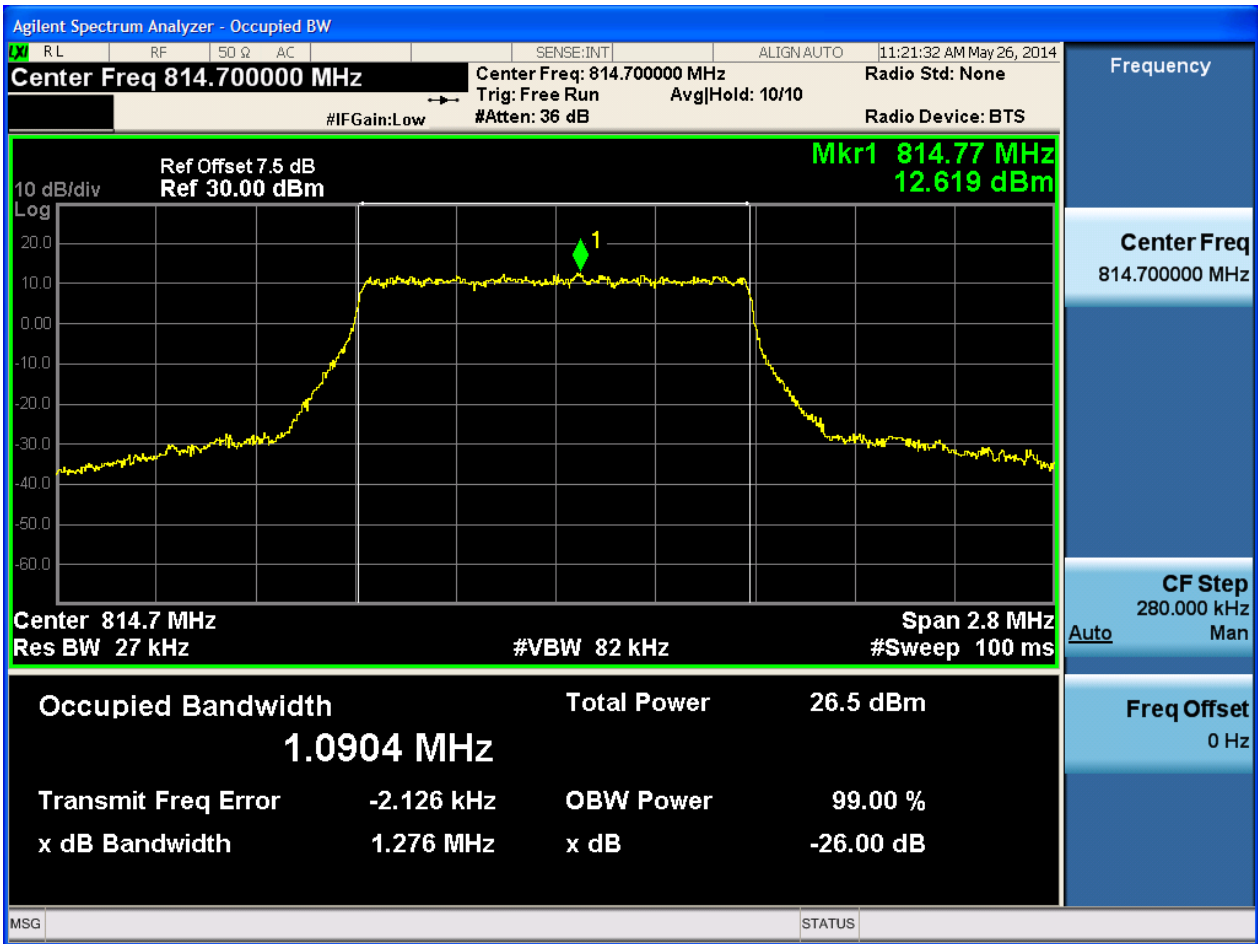
3.1.1 Test Band = BAND26

3.1.1.1 Test Mode = LTE/TM1

3.1.1.1.1 Test Bandwidth = 1.4

3.1.1.1.1.1 Test Channel = LCH

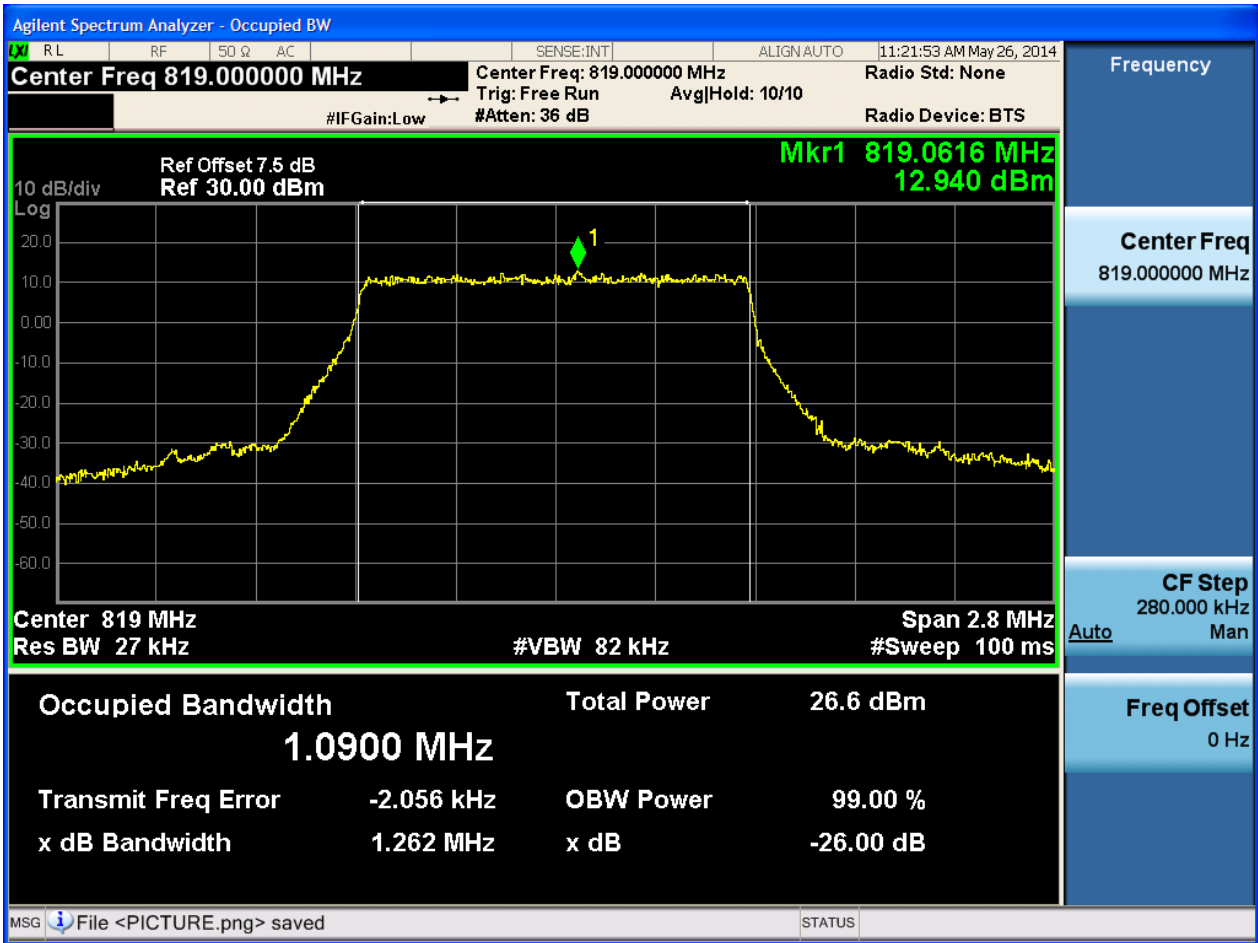
3.1.1.1.1.1.1 Test RB = RB6#0





3.1.1.1.1.2 Test Channel = MCH

3.1.1.1.1.2.1 Test RB = RB6#0

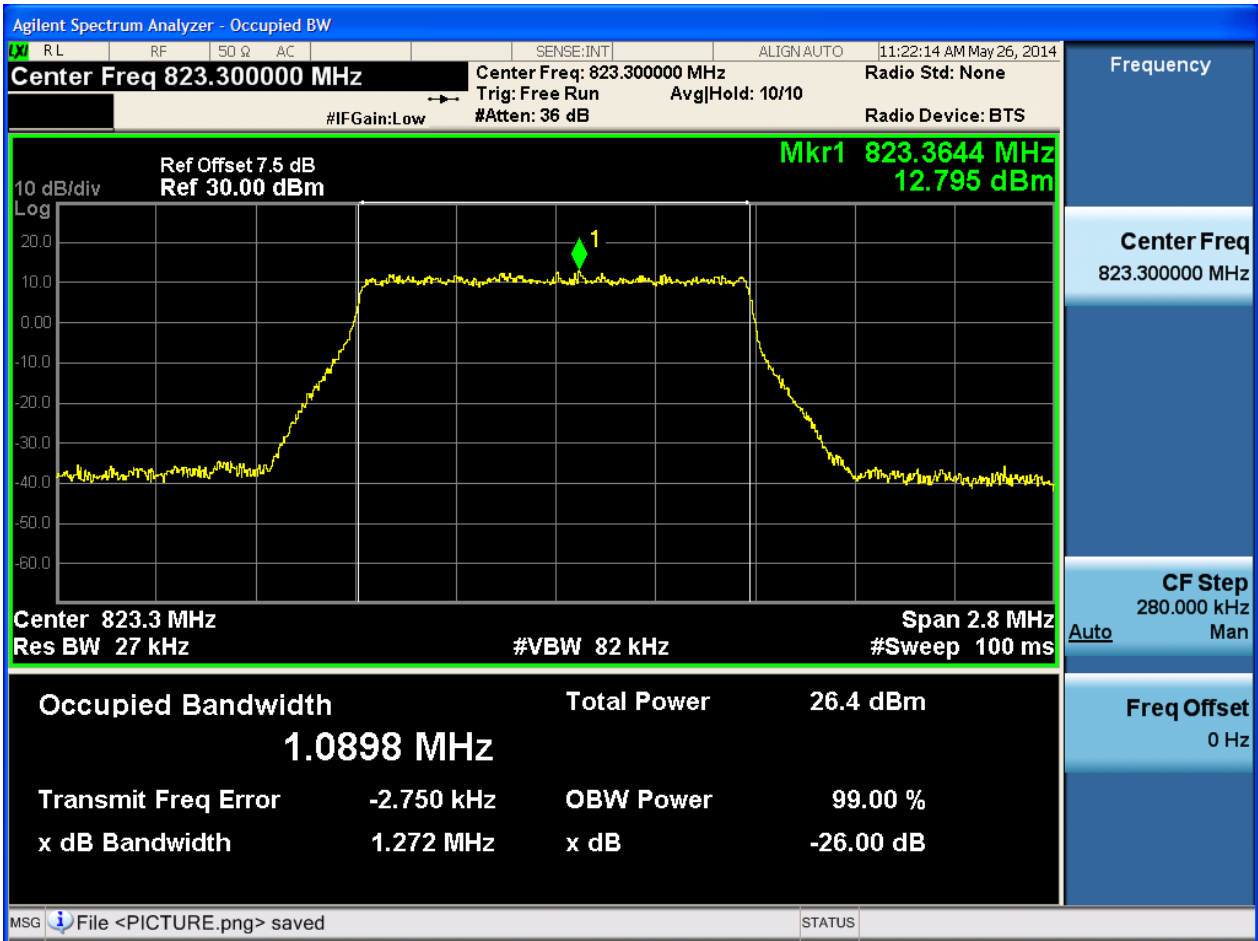






3.1.1.1.1.3 Test Channel = HCH

3.1.1.1.1.3.1 Test RB = RB6#0

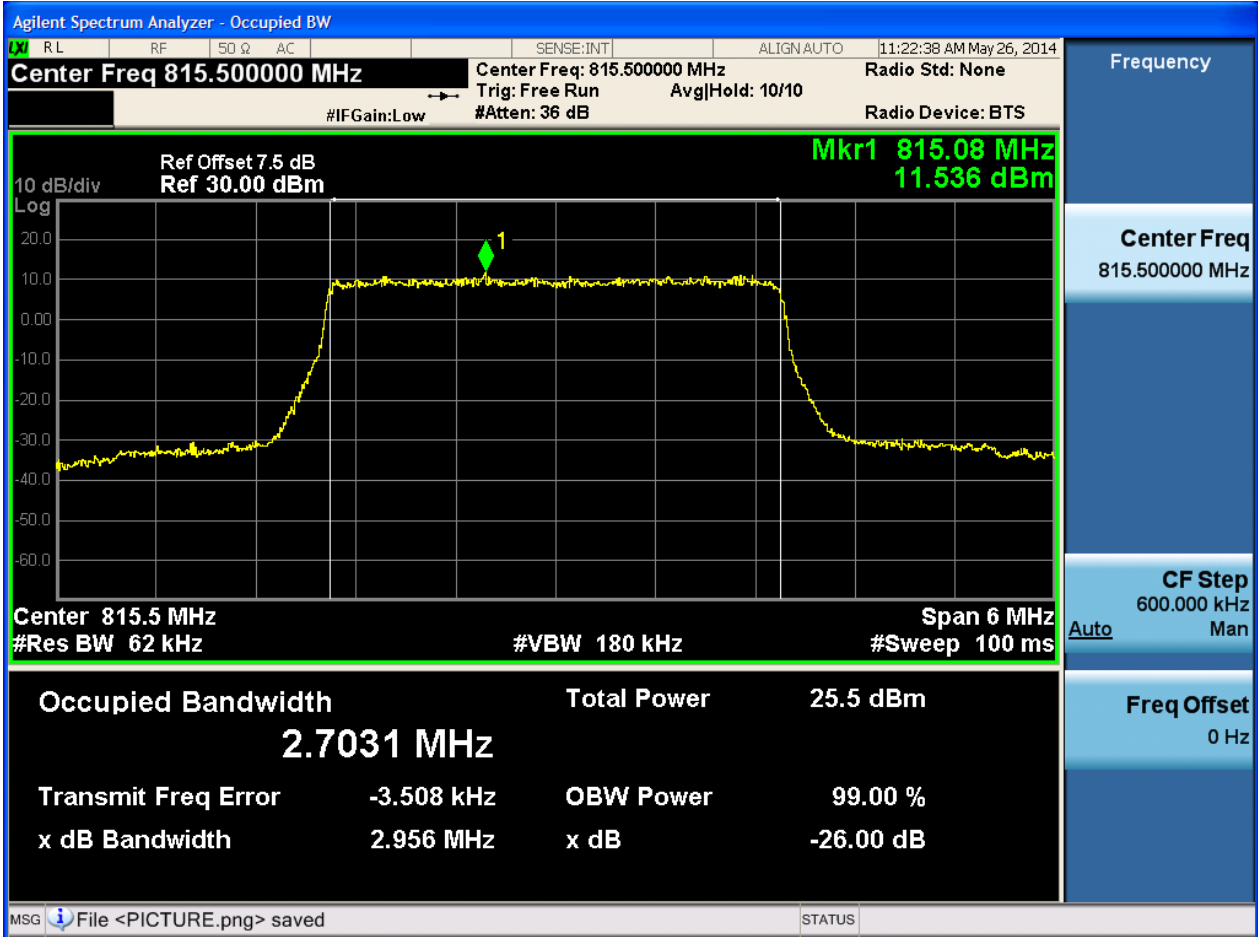




3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = LCH

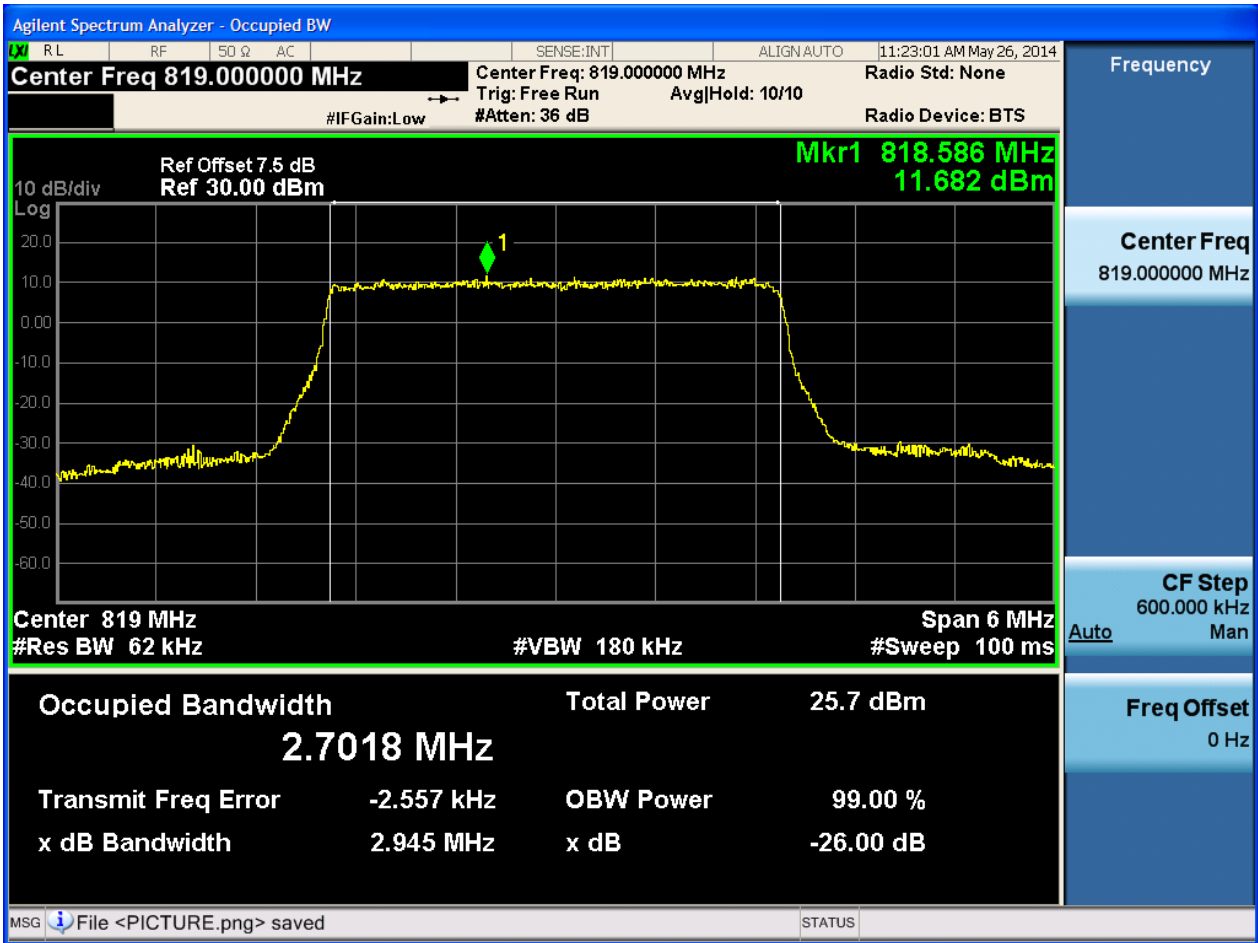
3.1.1.1.2.1.1 Test RB = RB15#0





3.1.1.1.2.2 Test Channel = MCH

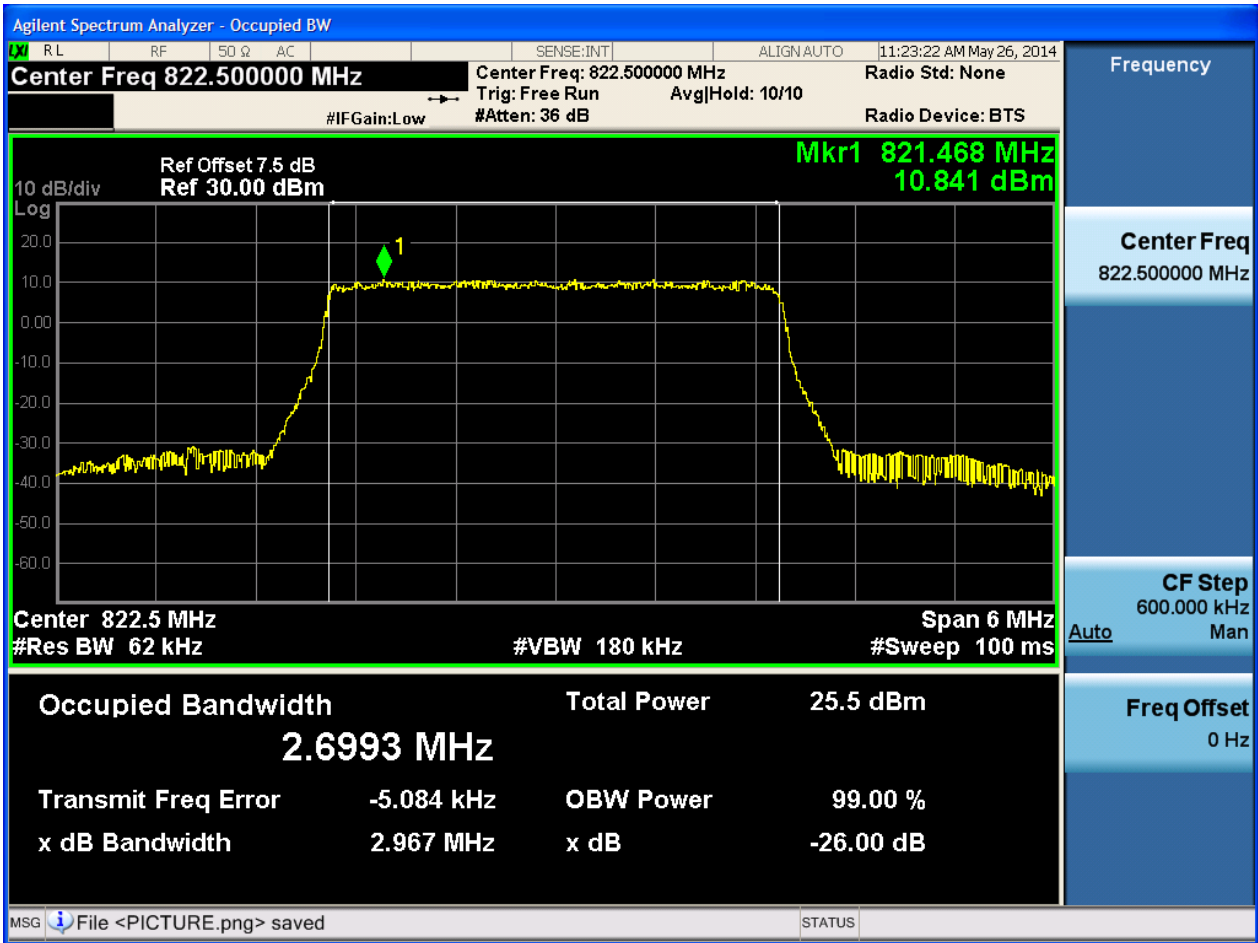
3.1.1.1.2.2.1 Test RB = RB15#0





3.1.1.1.2.3 Test Channel = HCH

3.1.1.1.2.3.1 Test RB = RB15#0

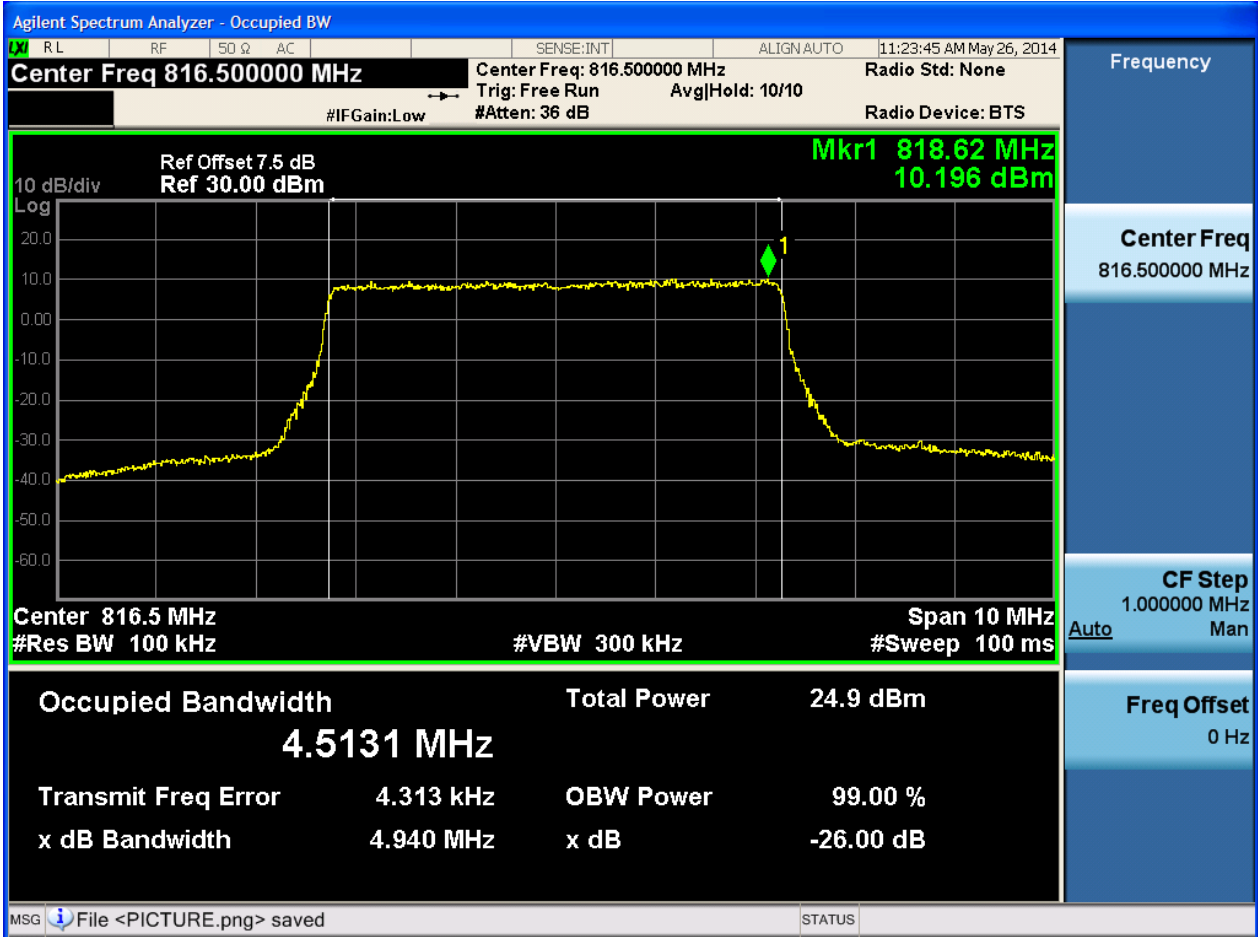




3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = LCH

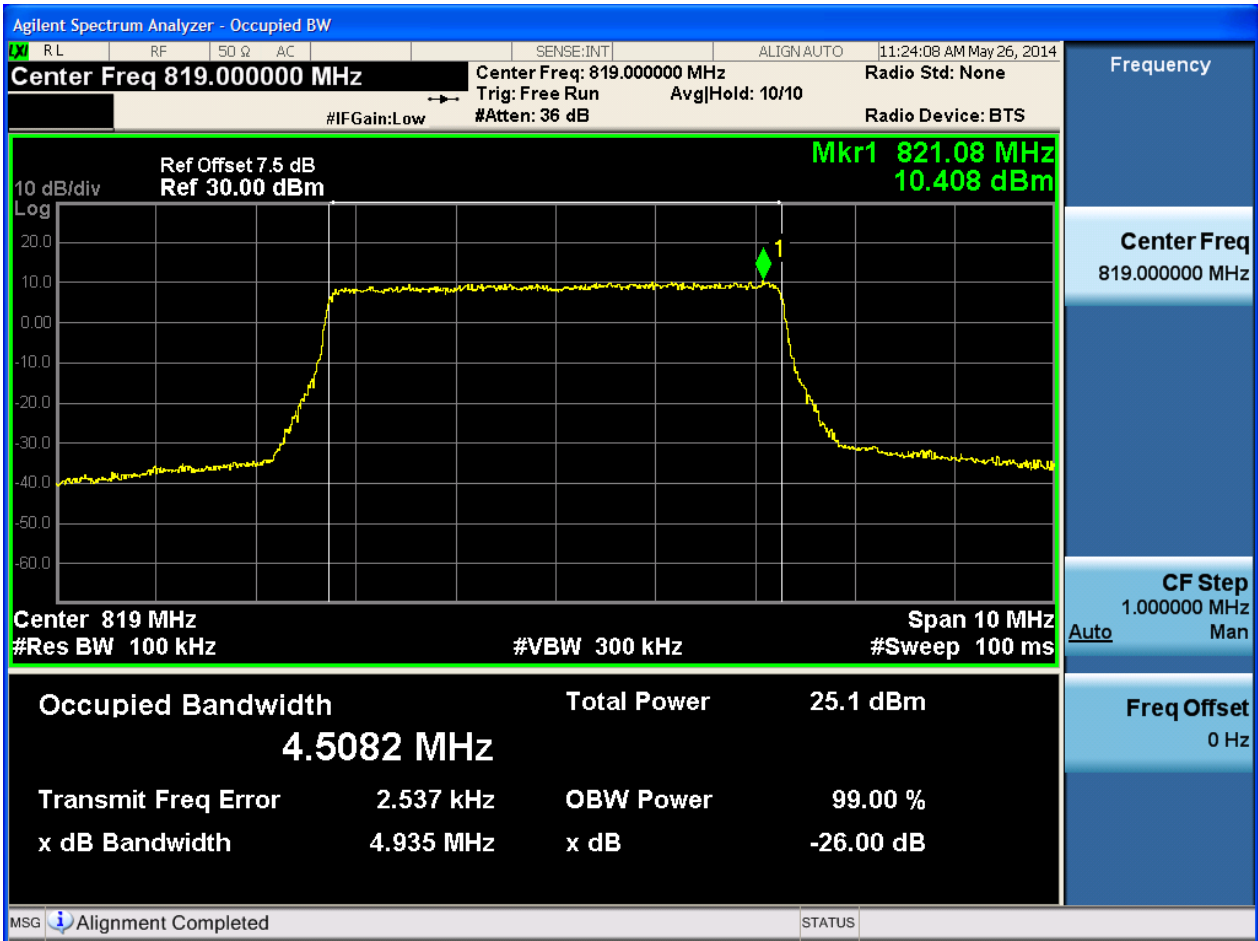
3.1.1.1.3.1.1 Test RB = RB25#0





3.1.1.1.3.2 Test Channel = MCH

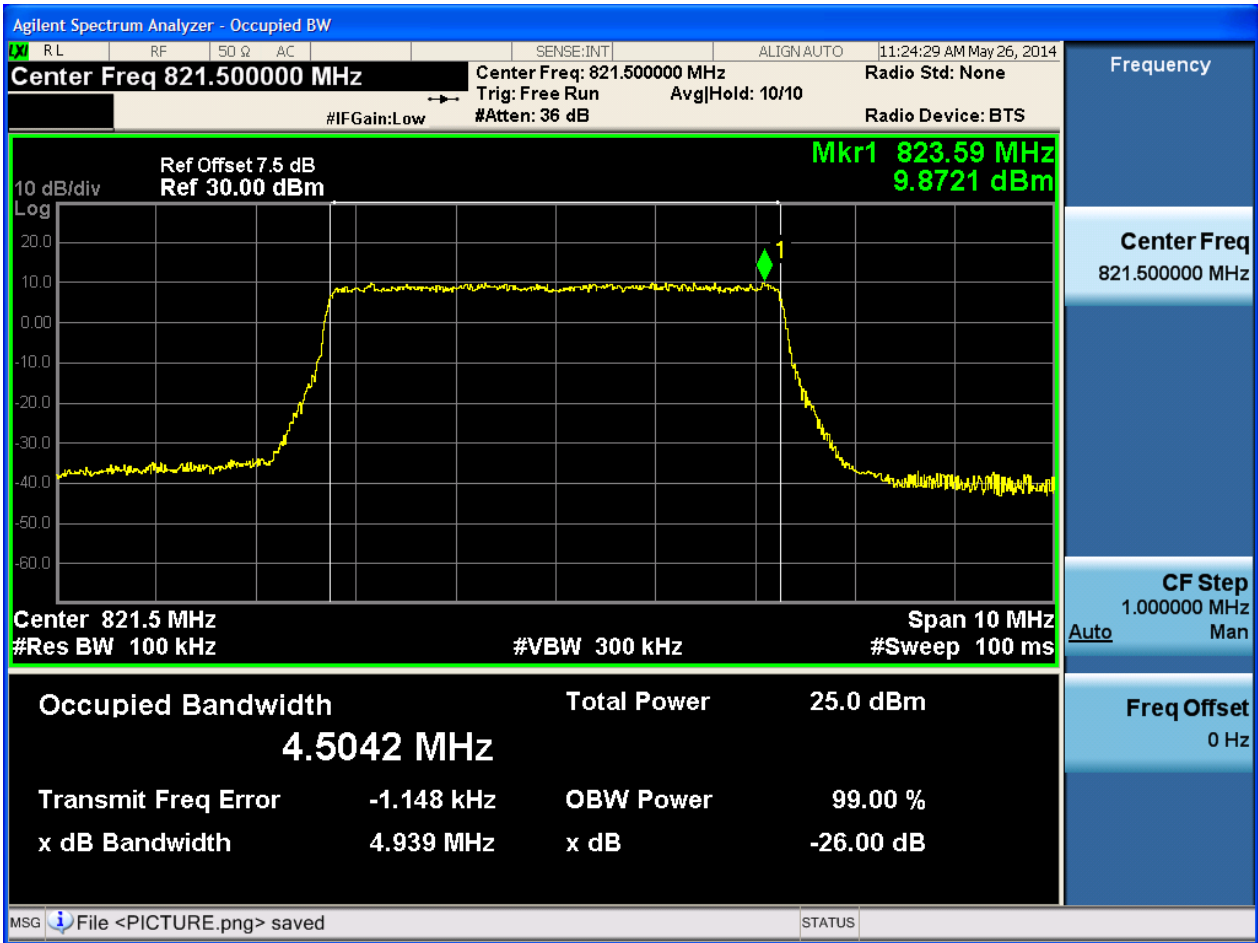
3.1.1.1.3.2.1 Test RB = RB25#0





3.1.1.1.3.3 Test Channel = HCH

3.1.1.1.3.3.1 Test RB = RB25#0

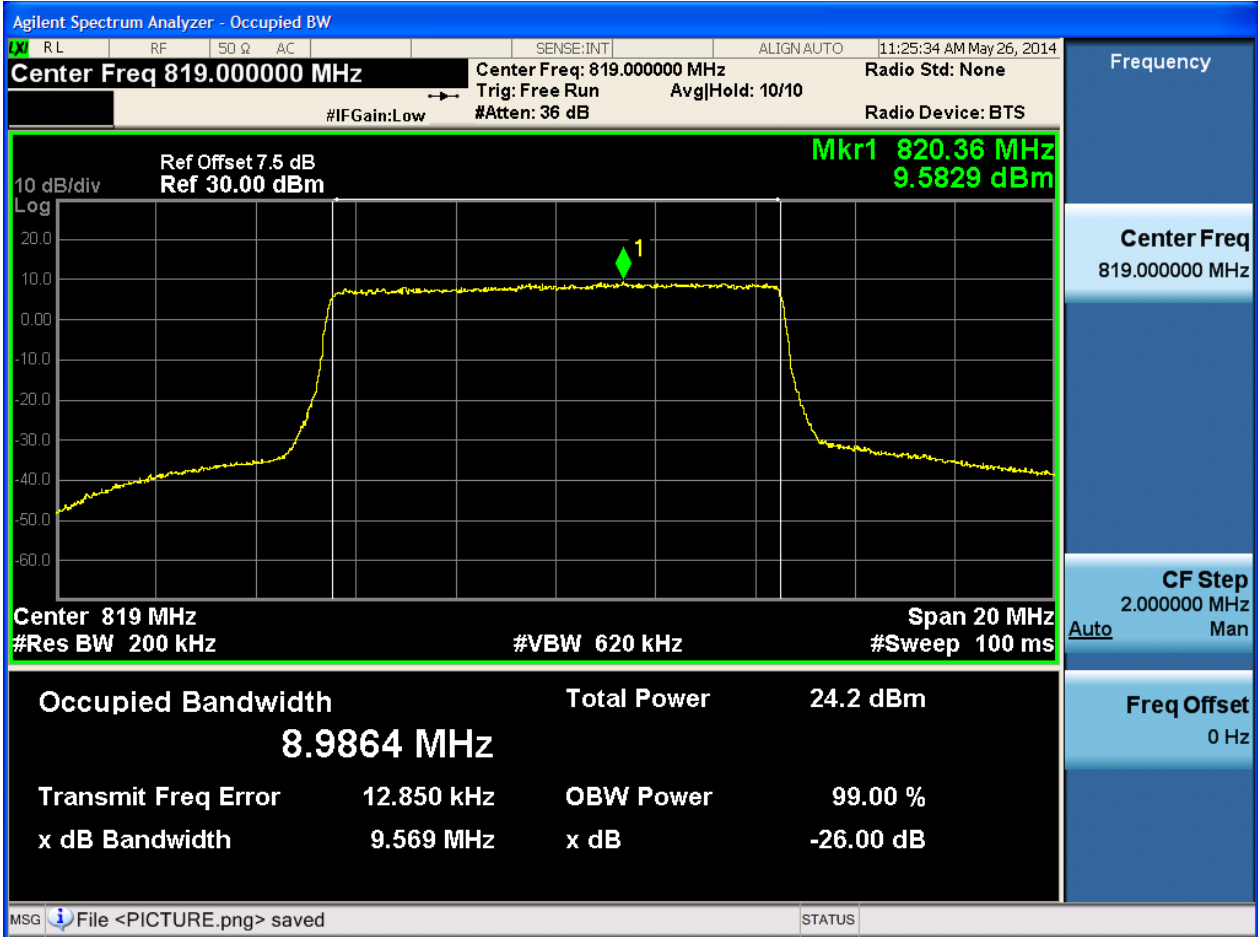




3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = LCH/MCH/HCH

3.1.1.1.4.1.1 Test RB = RB50#0





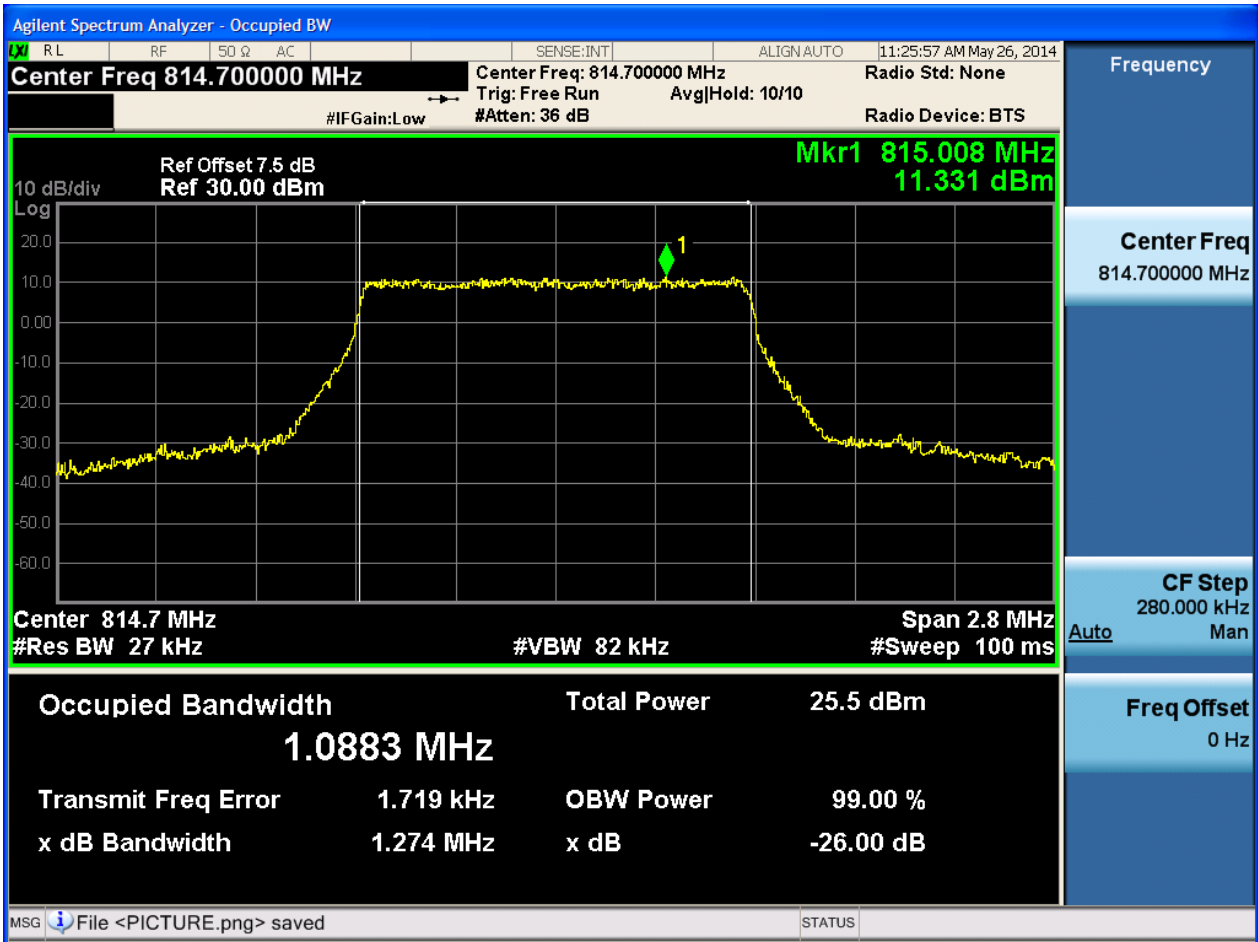


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = LCH

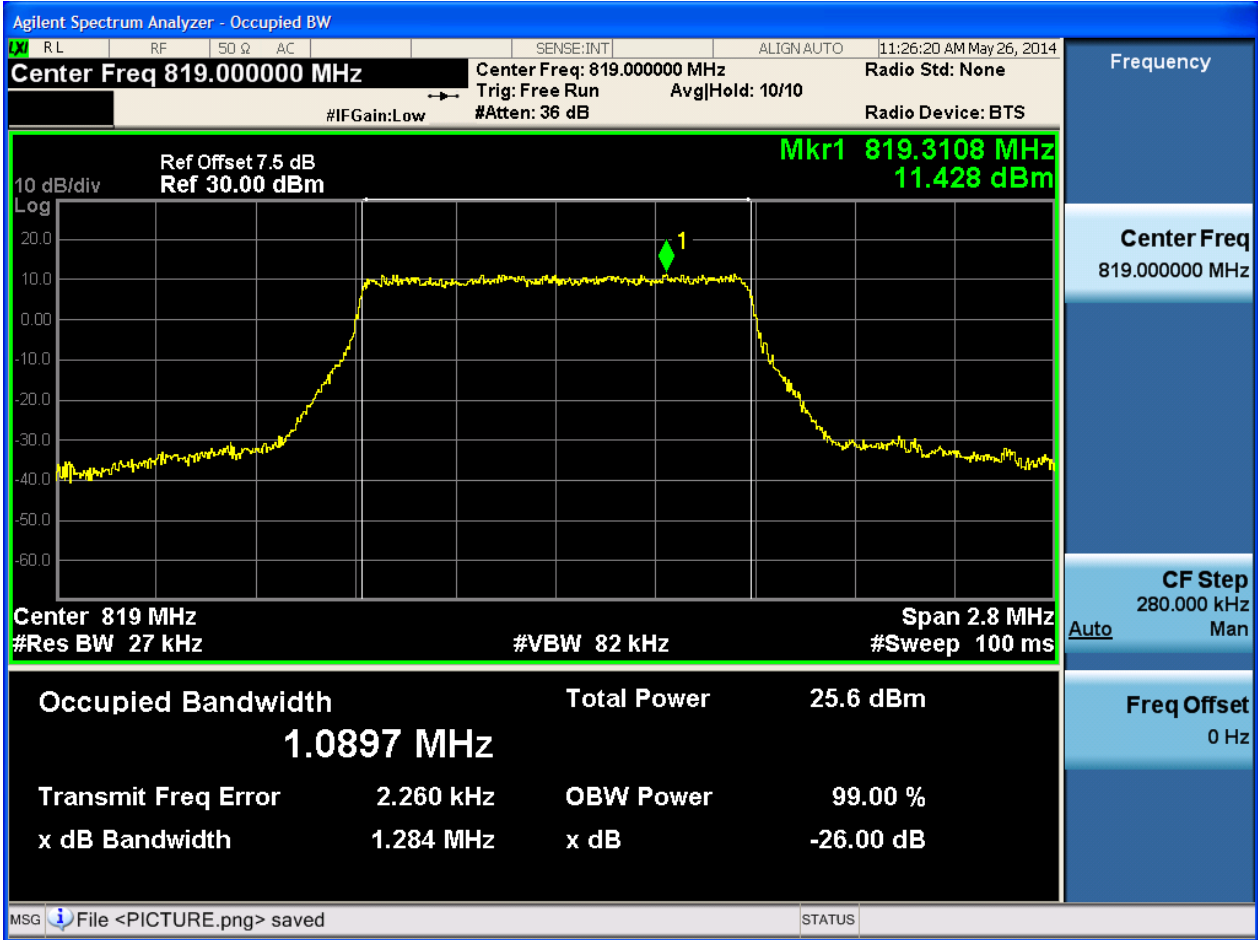
3.1.1.2.1.1.1 Test RB = RB6#0





3.1.1.2.1.2 Test Channel = MCH

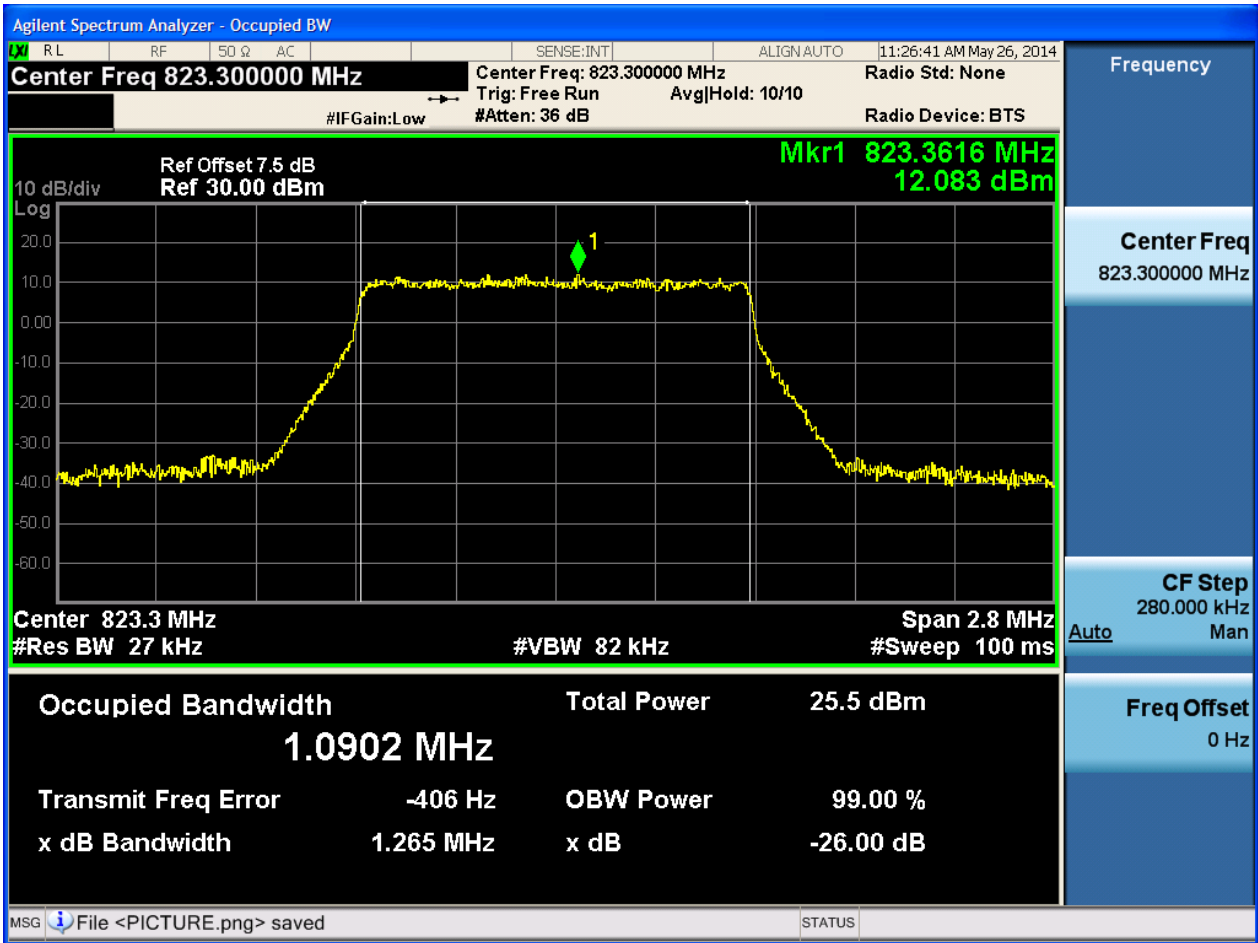
3.1.1.2.1.2.1 Test RB = RB6#0





3.1.1.2.1.3 Test Channel = HCH

3.1.1.2.1.3.1 Test RB = RB6#0

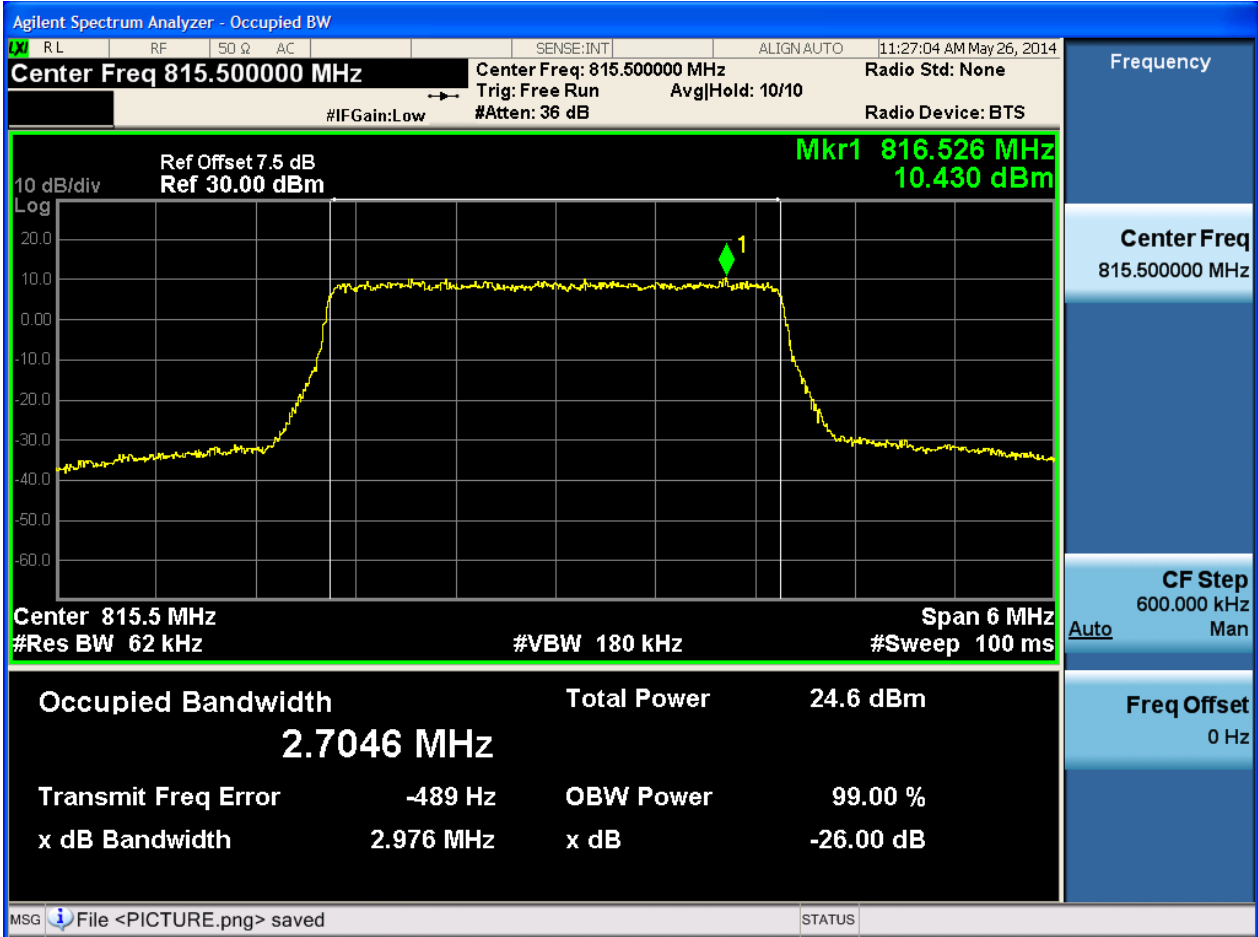




3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = LCH

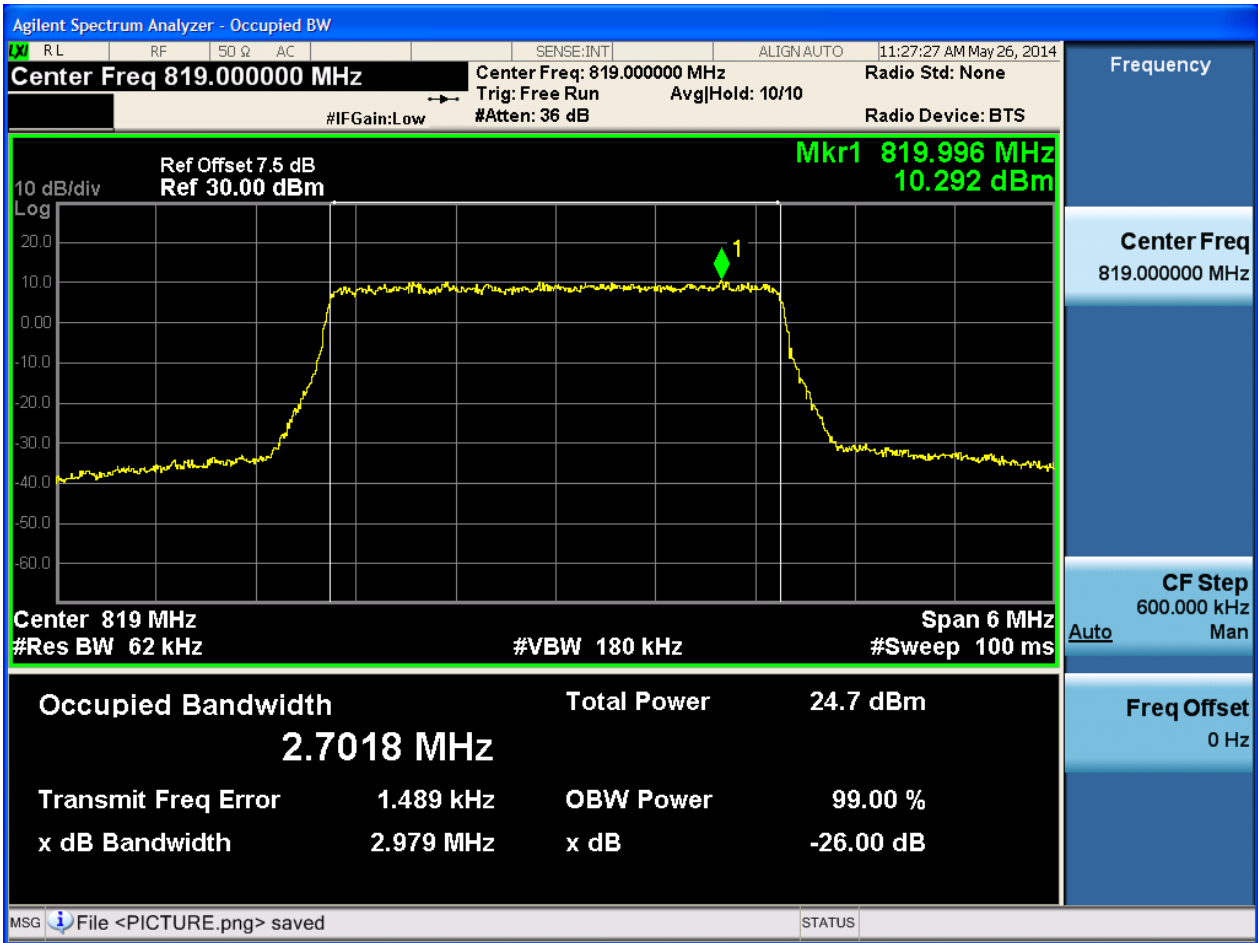
3.1.1.2.2.1.1 Test RB = RB15#0





3.1.1.2.2.2 Test Channel = MCH

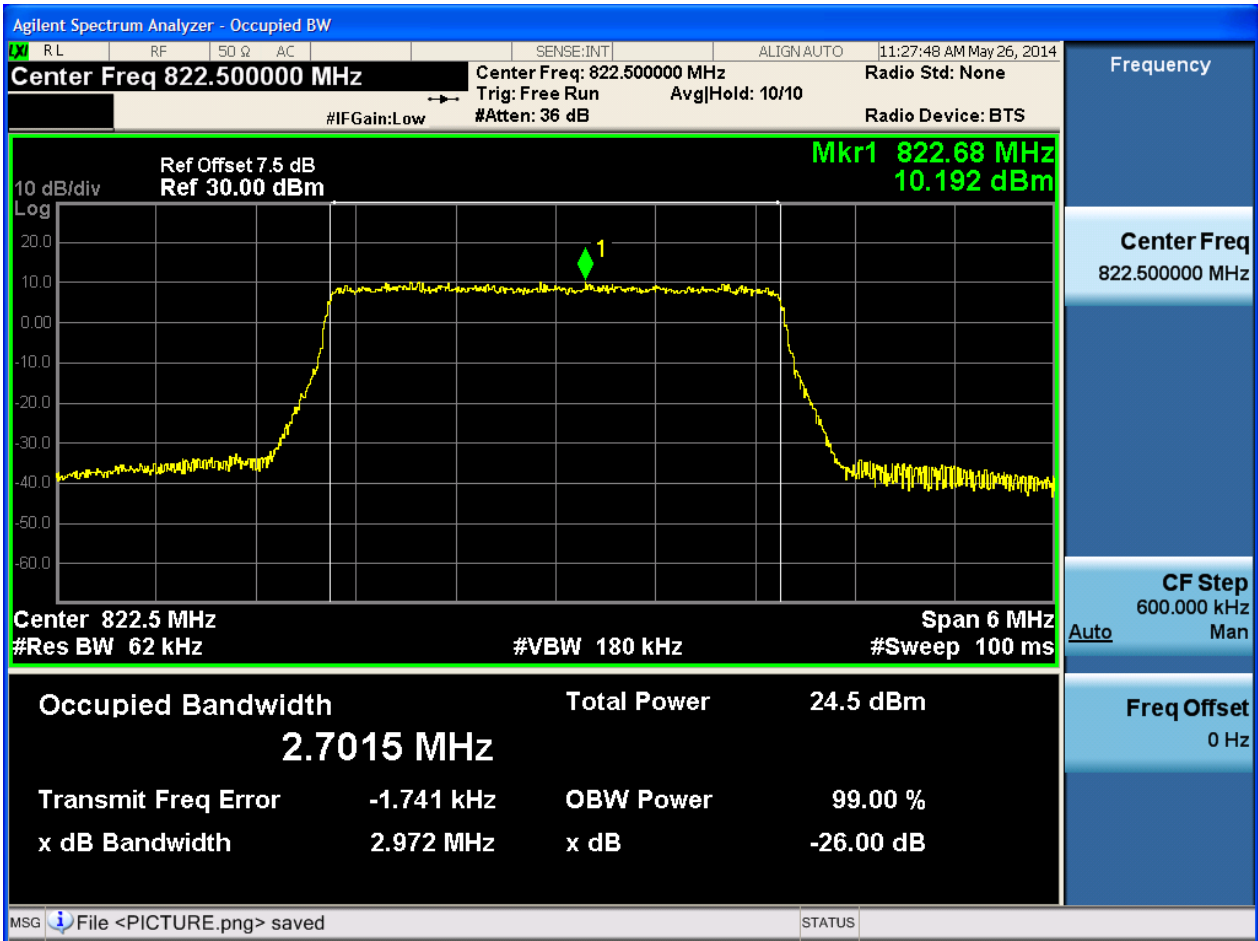
3.1.1.2.2.2.1 Test RB = RB15#0





3.1.1.2.2.3 Test Channel = HCH

3.1.1.2.2.3.1 Test RB = RB15#0

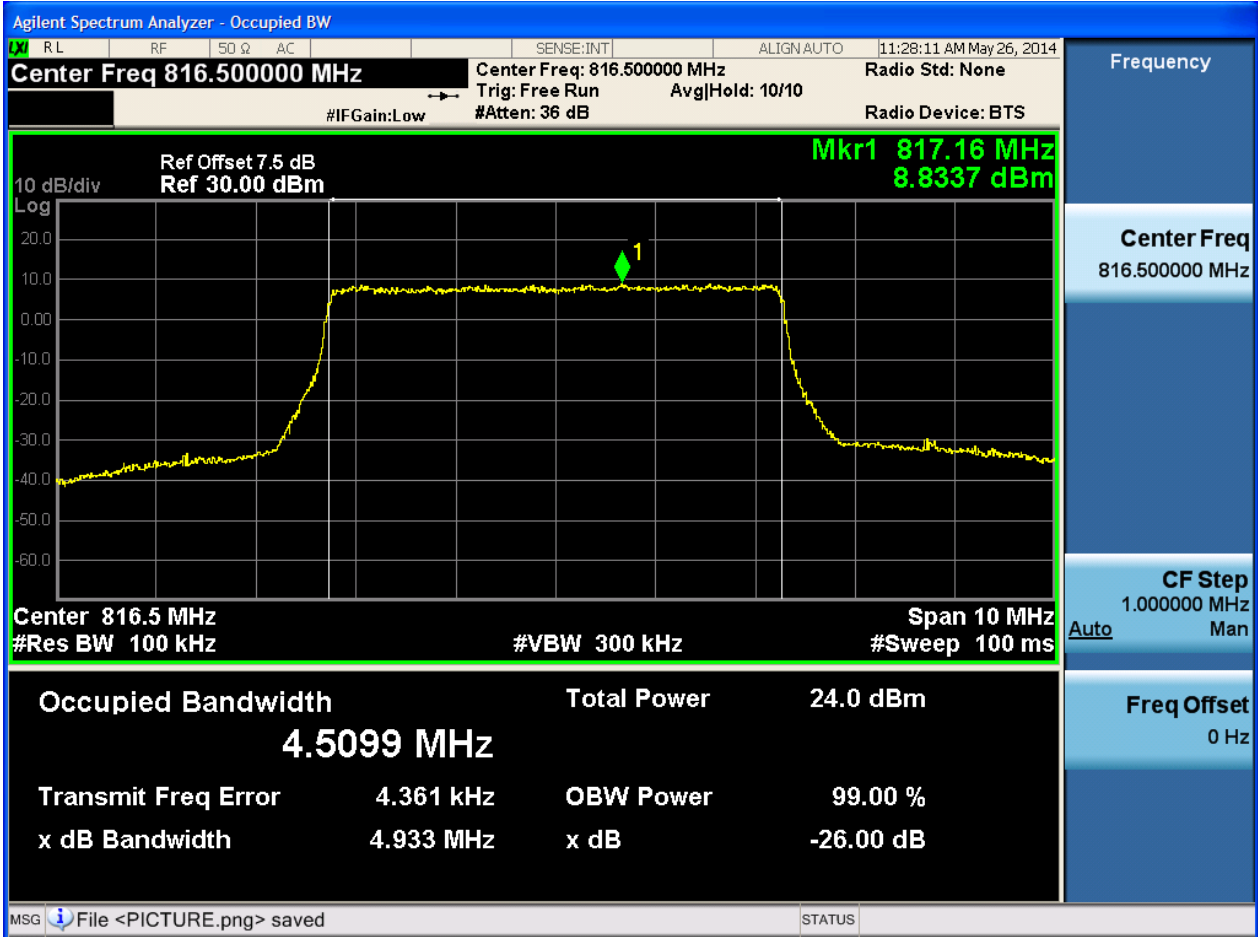




3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = LCH

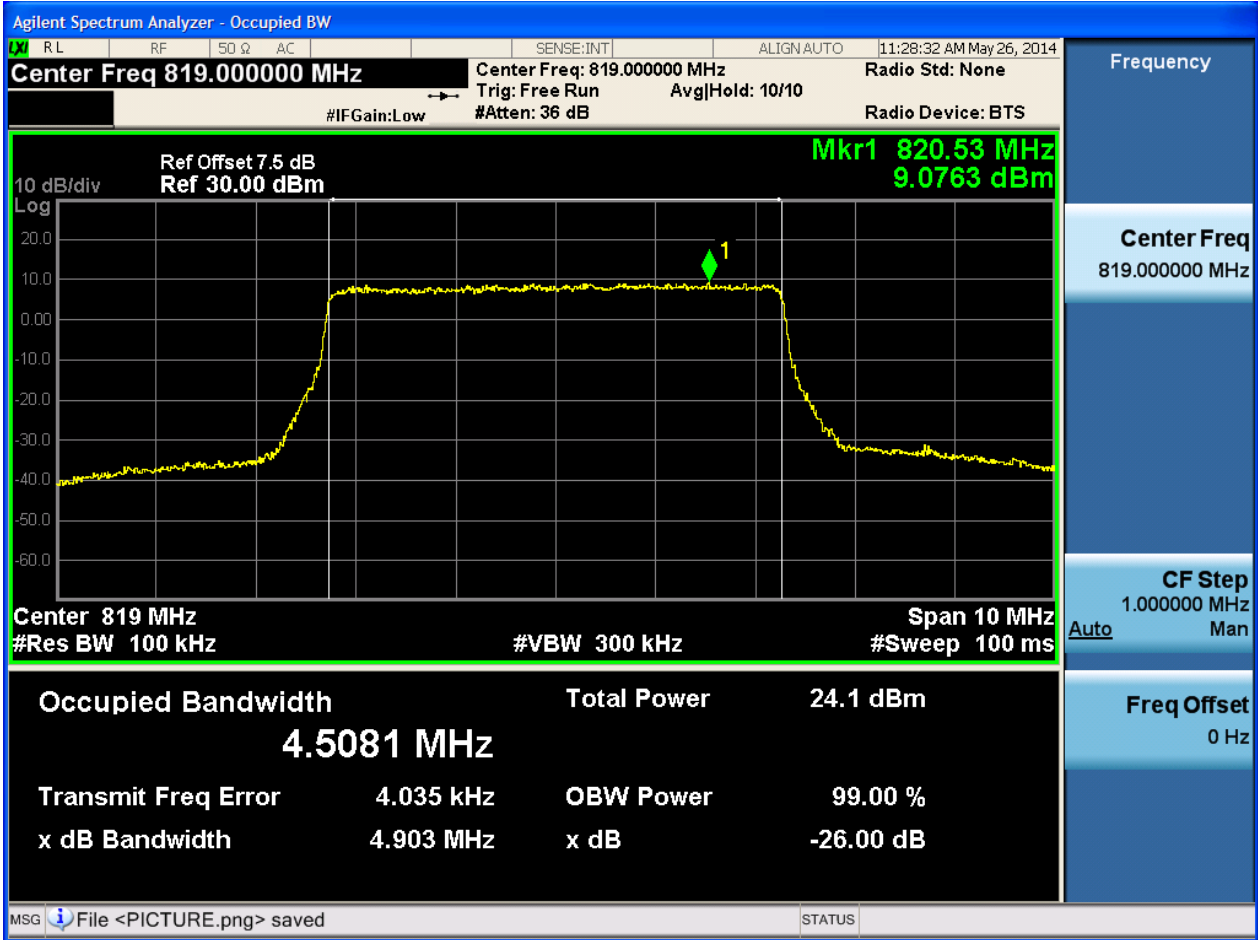
3.1.1.2.3.1.1 Test RB = RB25#0





3.1.1.2.3.2 Test Channel = MCH

3.1.1.2.3.2.1 Test RB = RB25#0

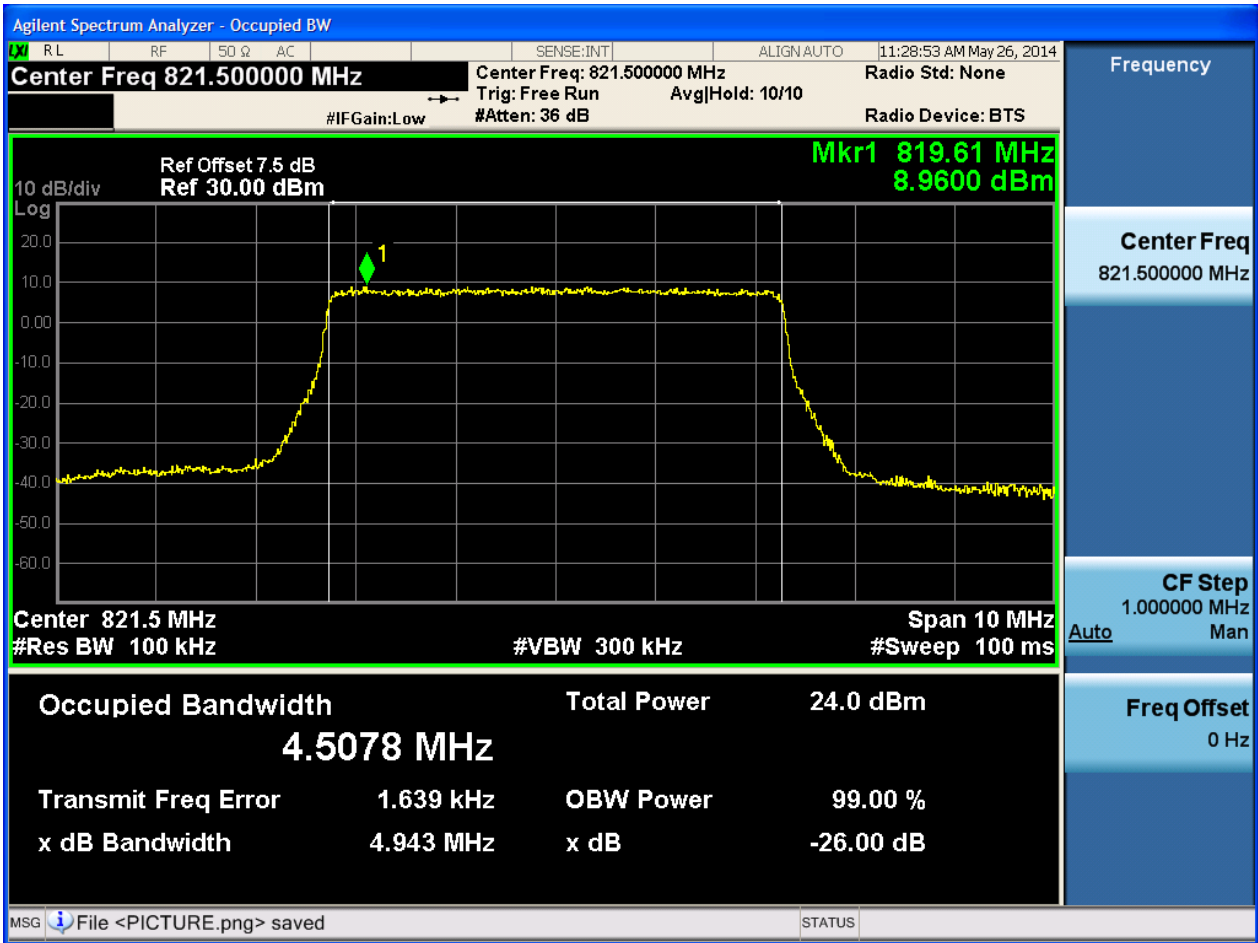






3.1.1.2.3.3 Test Channel = HCH

3.1.1.2.3.3.1 Test RB = RB25#0

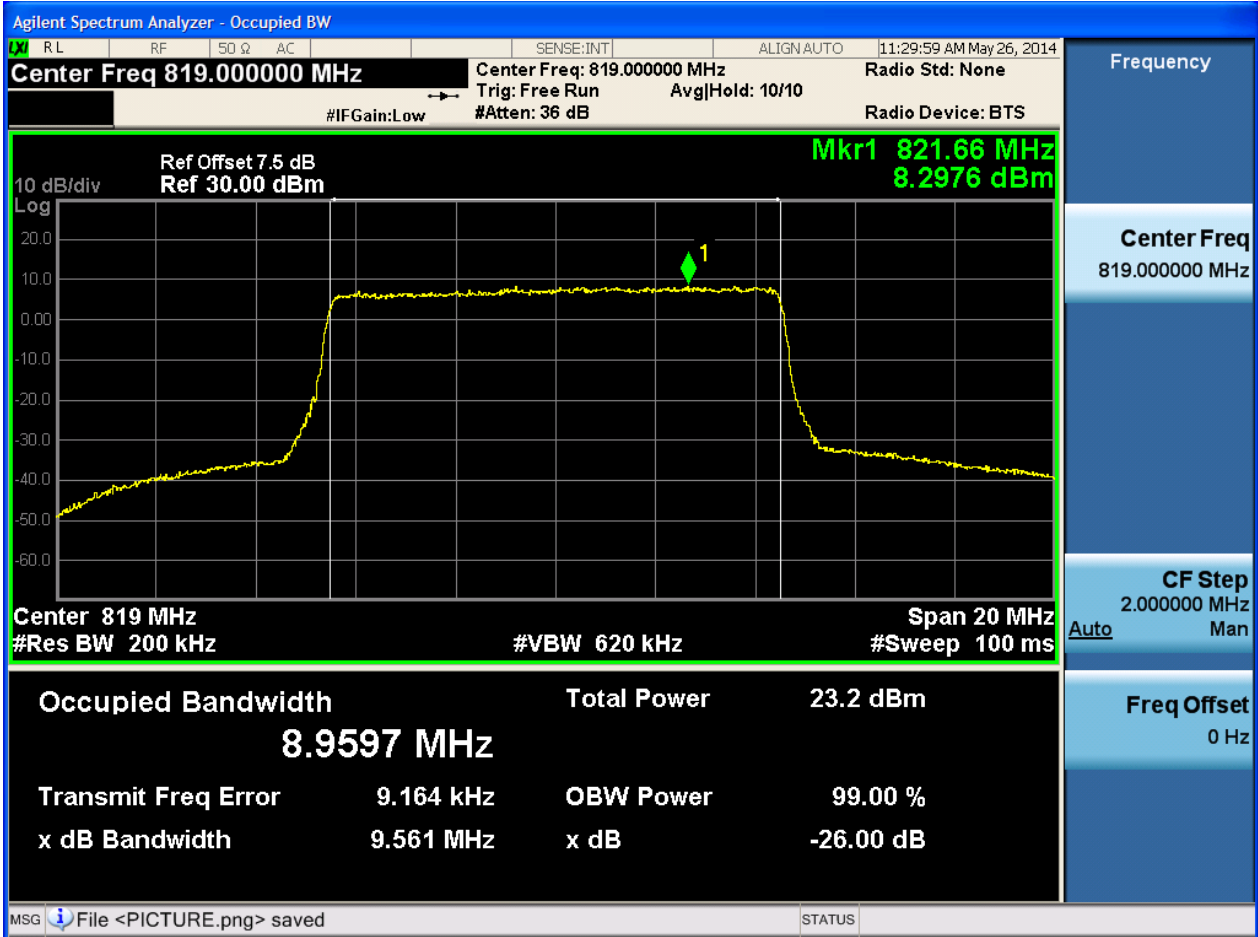




3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = LCH/MCH/HCH

3.1.1.2.4.1.1 Test RB = RB50#0





# 4Appendix\_D: Band Edges Compliance

## Part I - Test Plots

### 4.1 For LTE

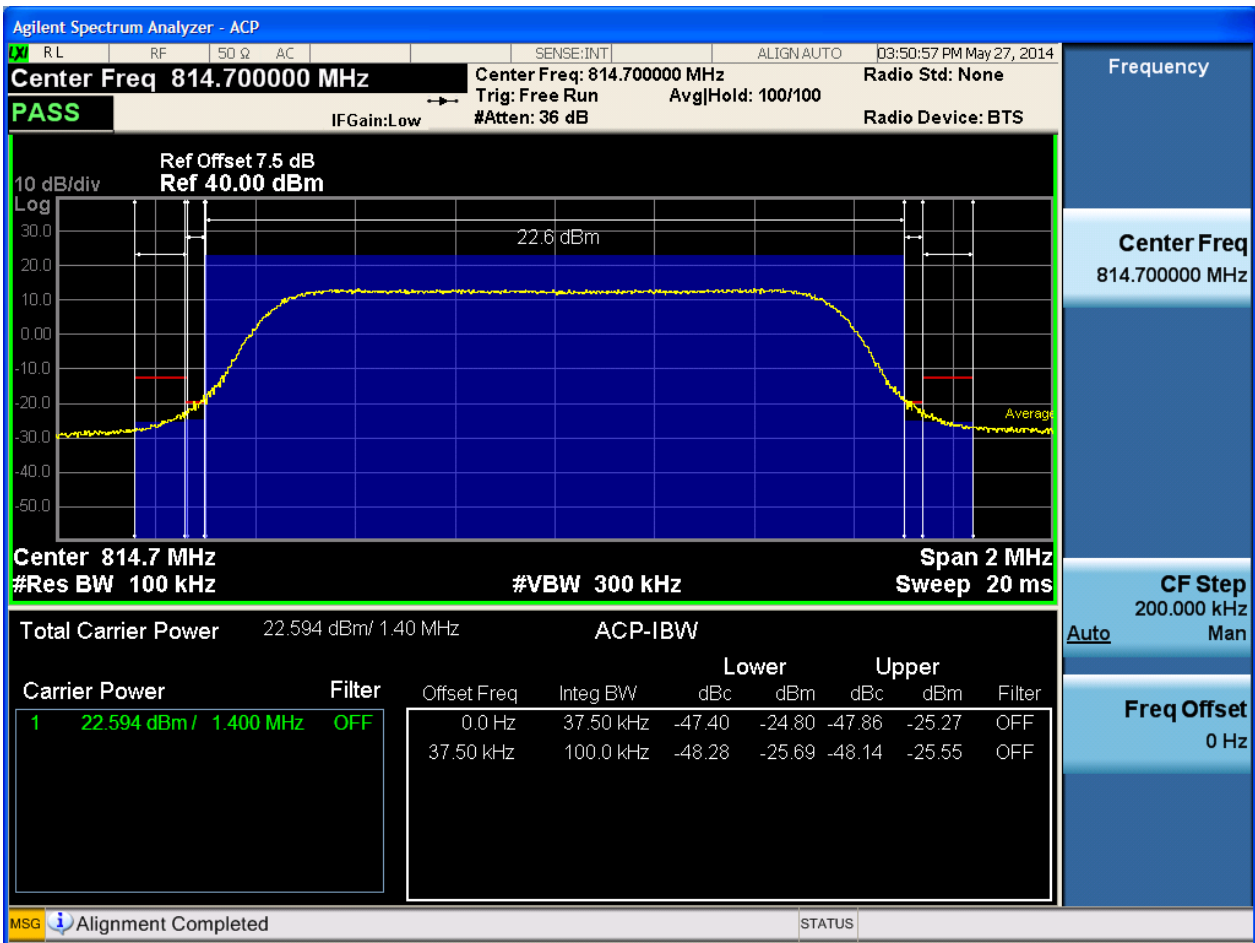
#### 4.1.1 Test Band = BAND26

##### 4.1.1.1 Test Mode = LTE/TM1

##### 4.1.1.1.1 Test Bandwidth = 1.4

##### 4.1.1.1.1.1 Test Channel = LCH

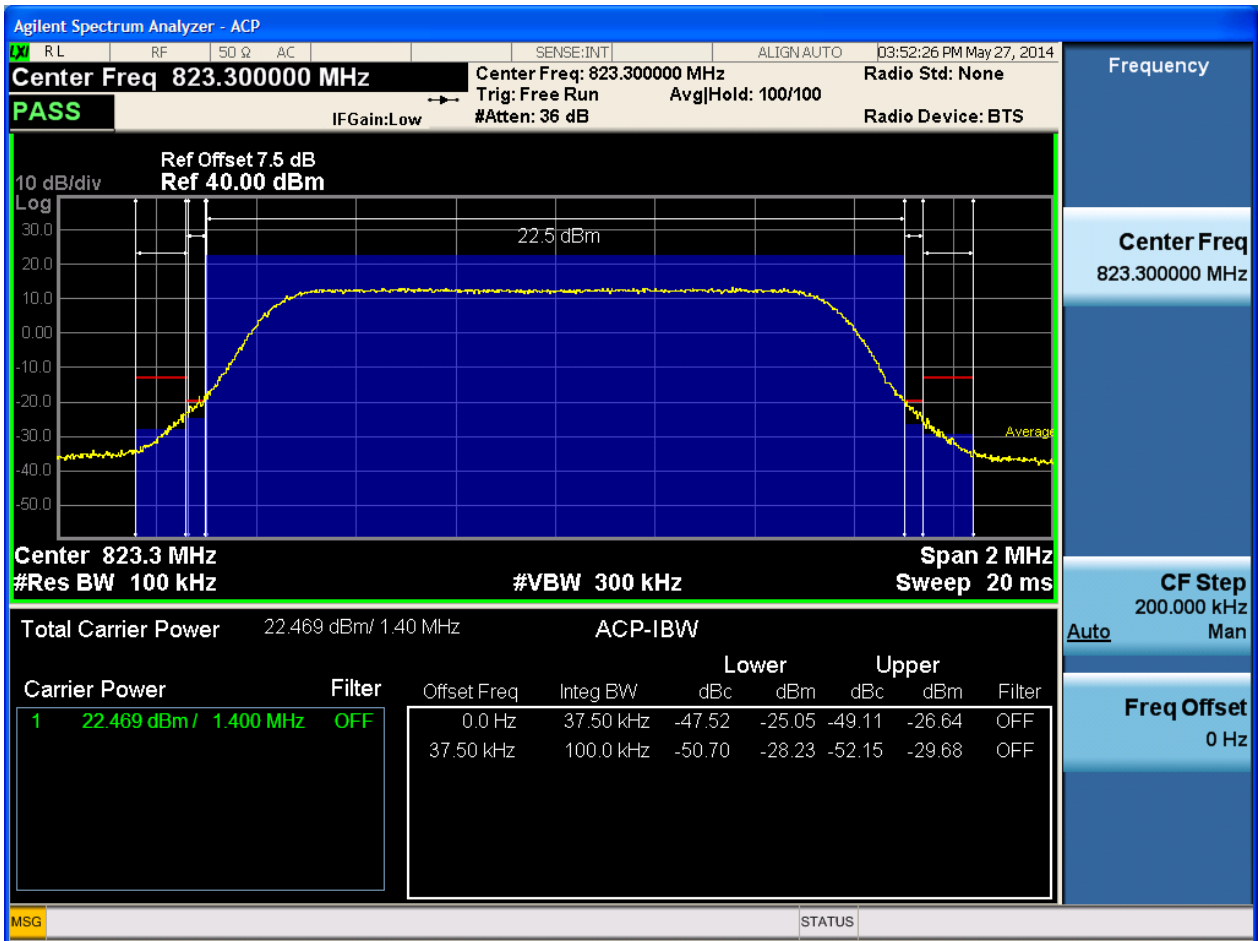
##### 4.1.1.1.1.1.1 Test RB = RB6#0





### 4.1.1.1.1.2 Test Channel = HCH

#### 4.1.1.1.1.2.1 Test RB = RB6#0

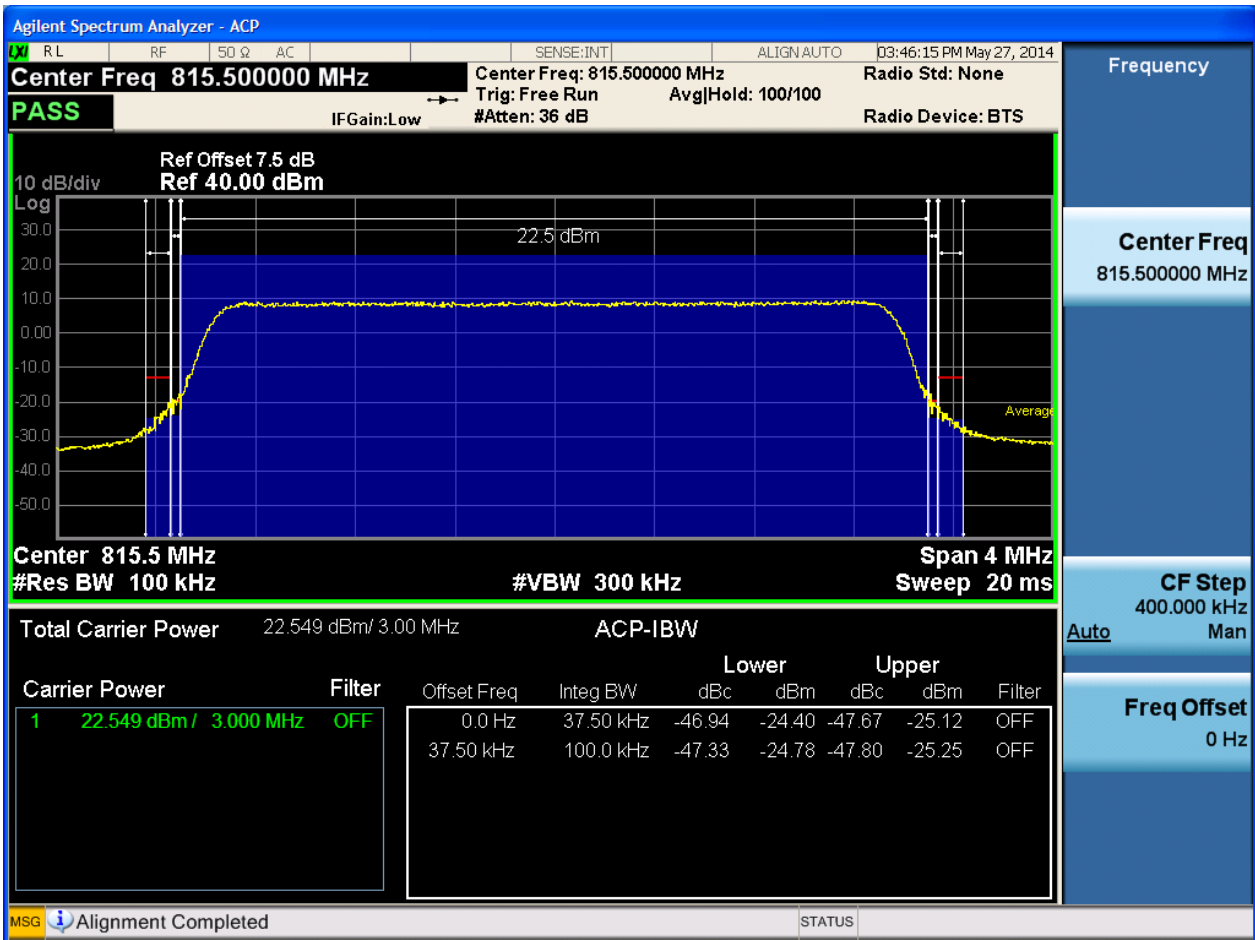




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

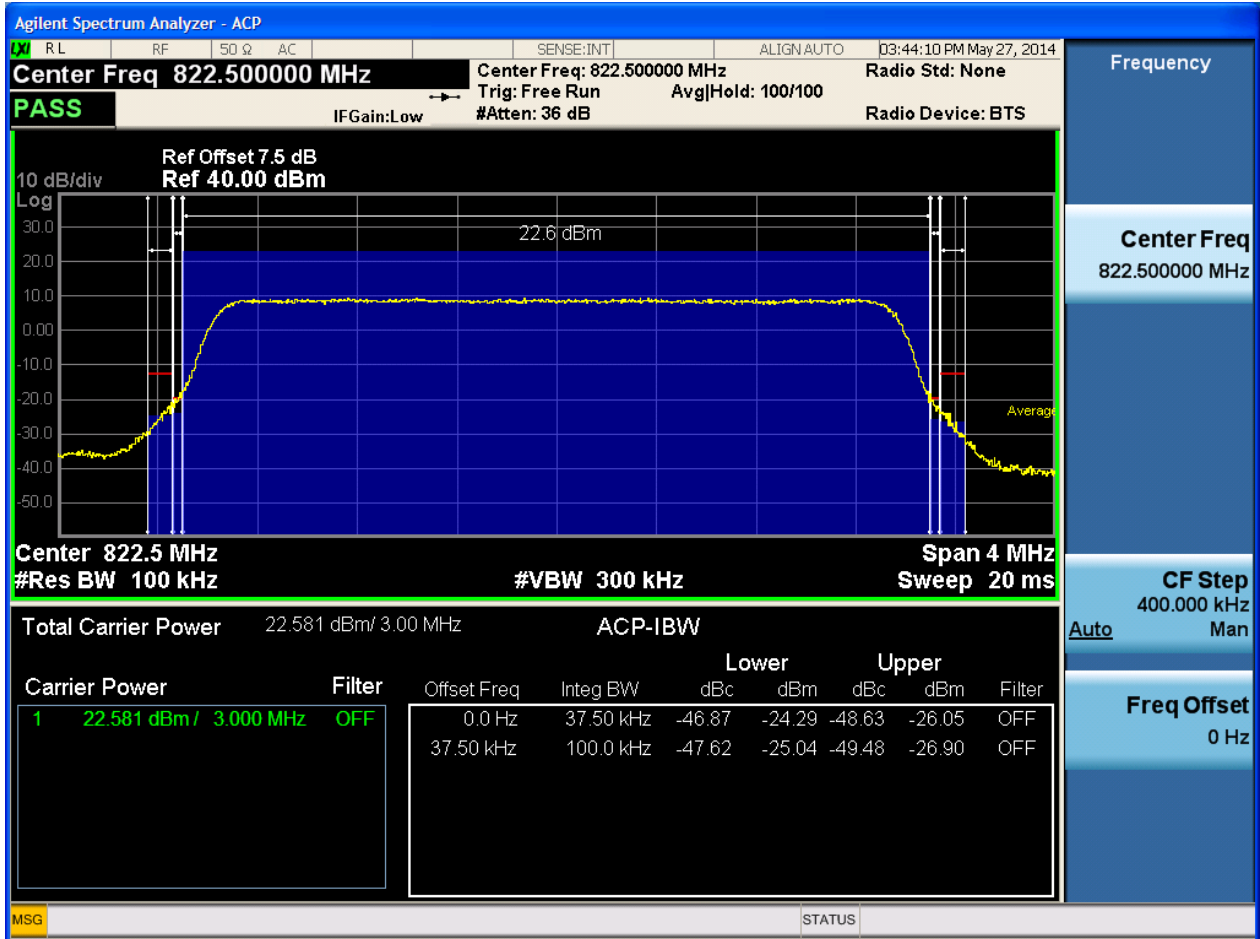
4.1.1.1.2.1.1 Test RB = RB15#0





4.1.1.1.2.2 Test Channel = HCH

4.1.1.1.2.2.1 Test RB = RB15#0

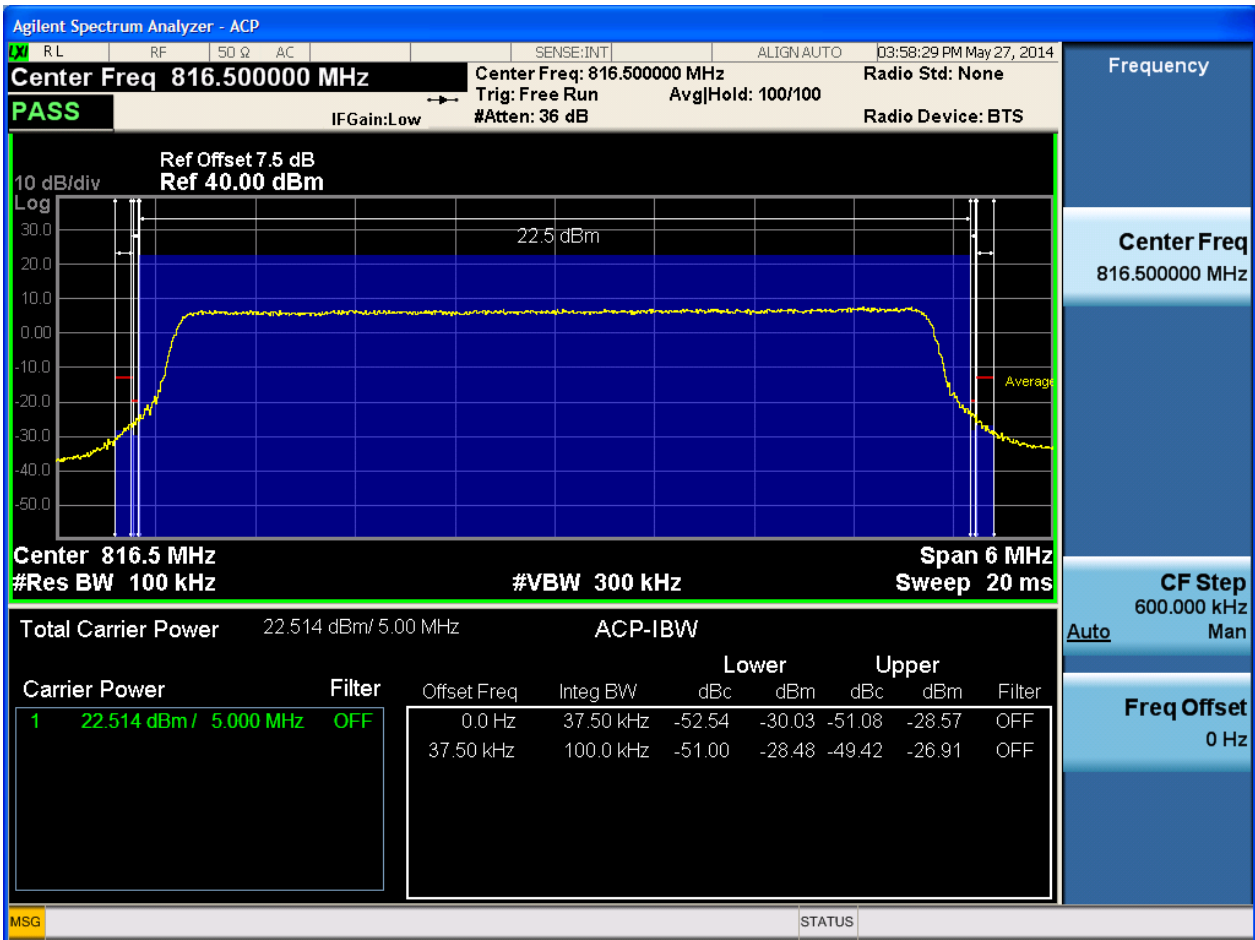




4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

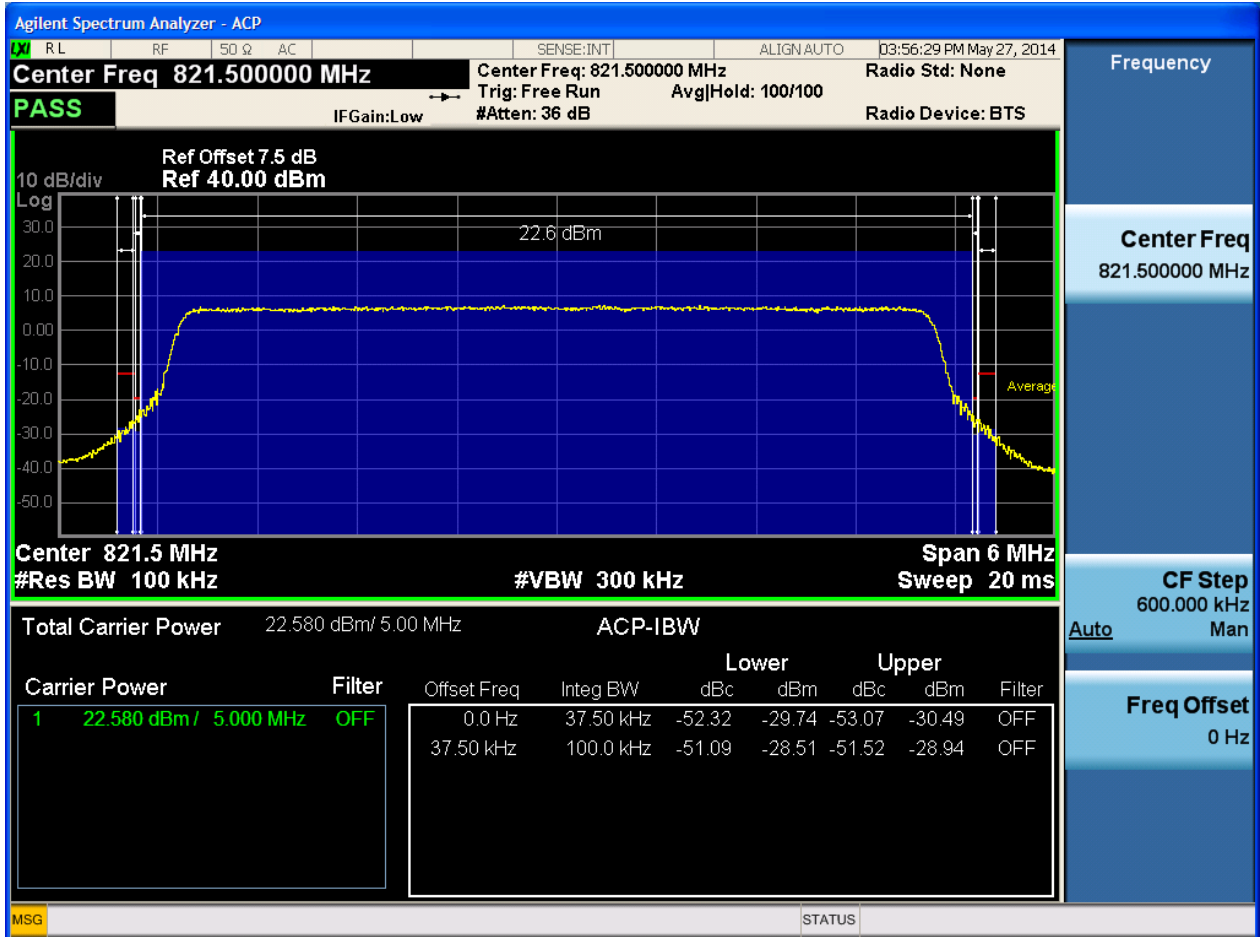
4.1.1.1.3.1.1 Test RB = RB25#0





4.1.1.1.3.2 Test Channel = HCH

4.1.1.1.3.2.1 Test RB = RB25#0



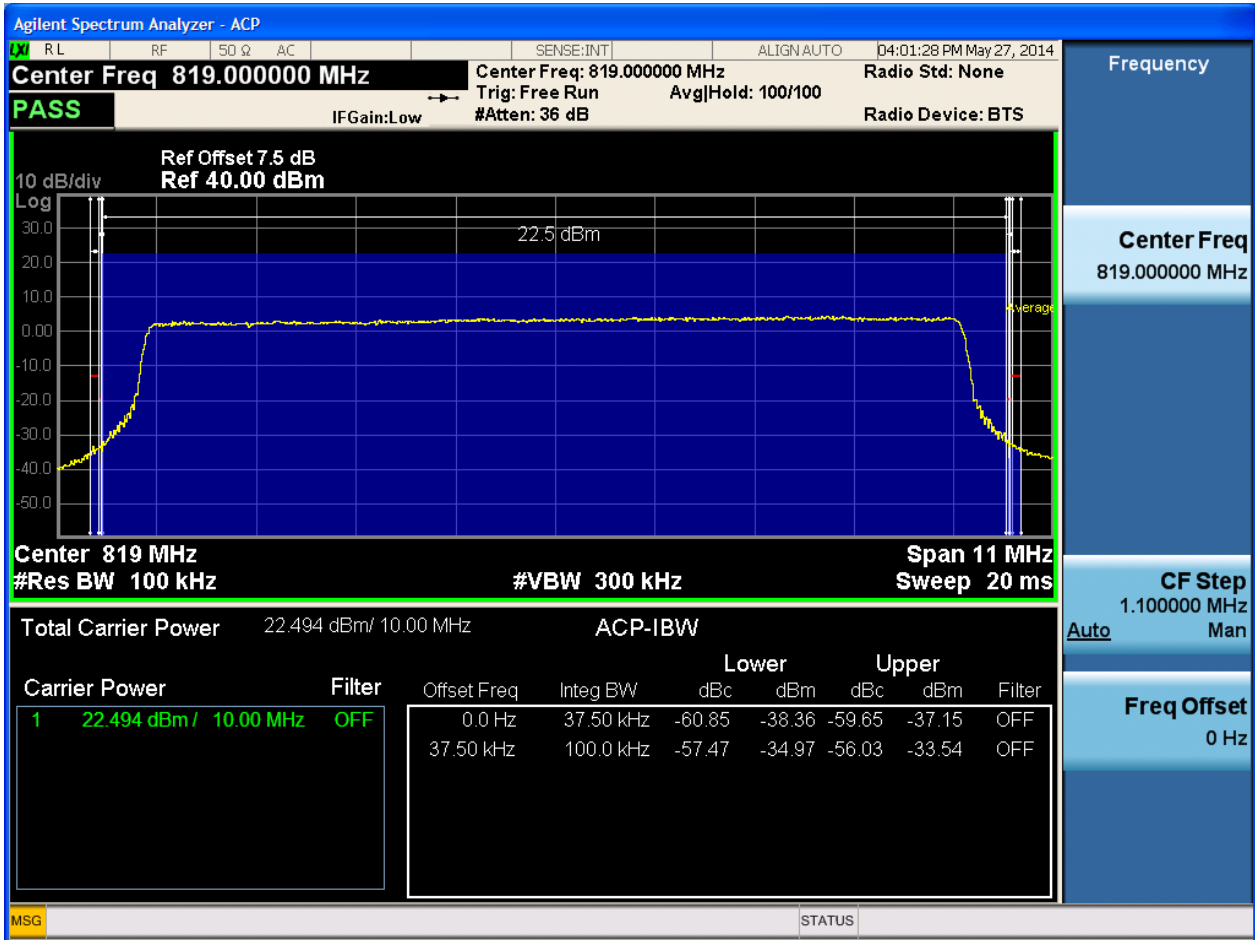




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH/HCH

4.1.1.1.4.1.1 Test RB = RB50#0



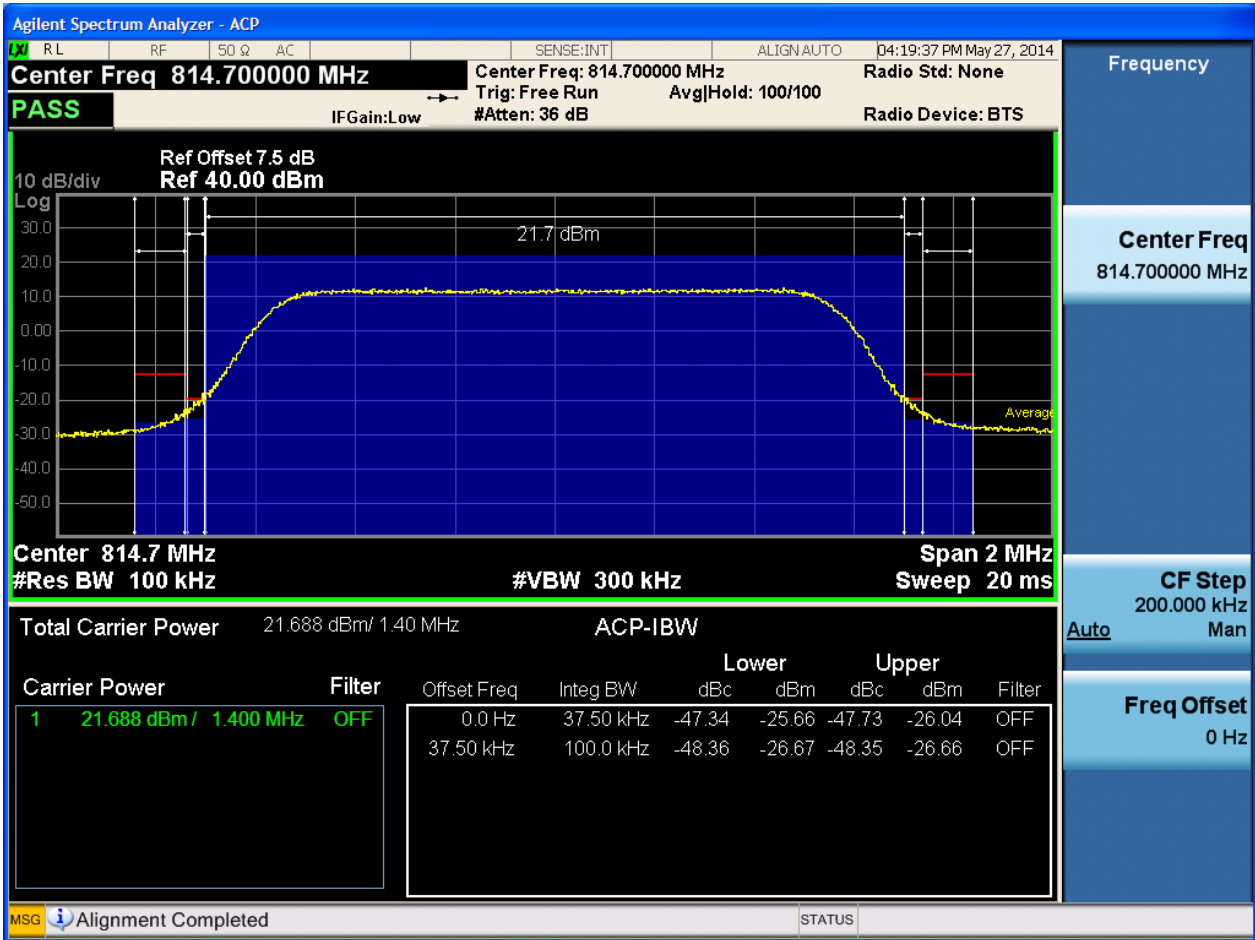


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

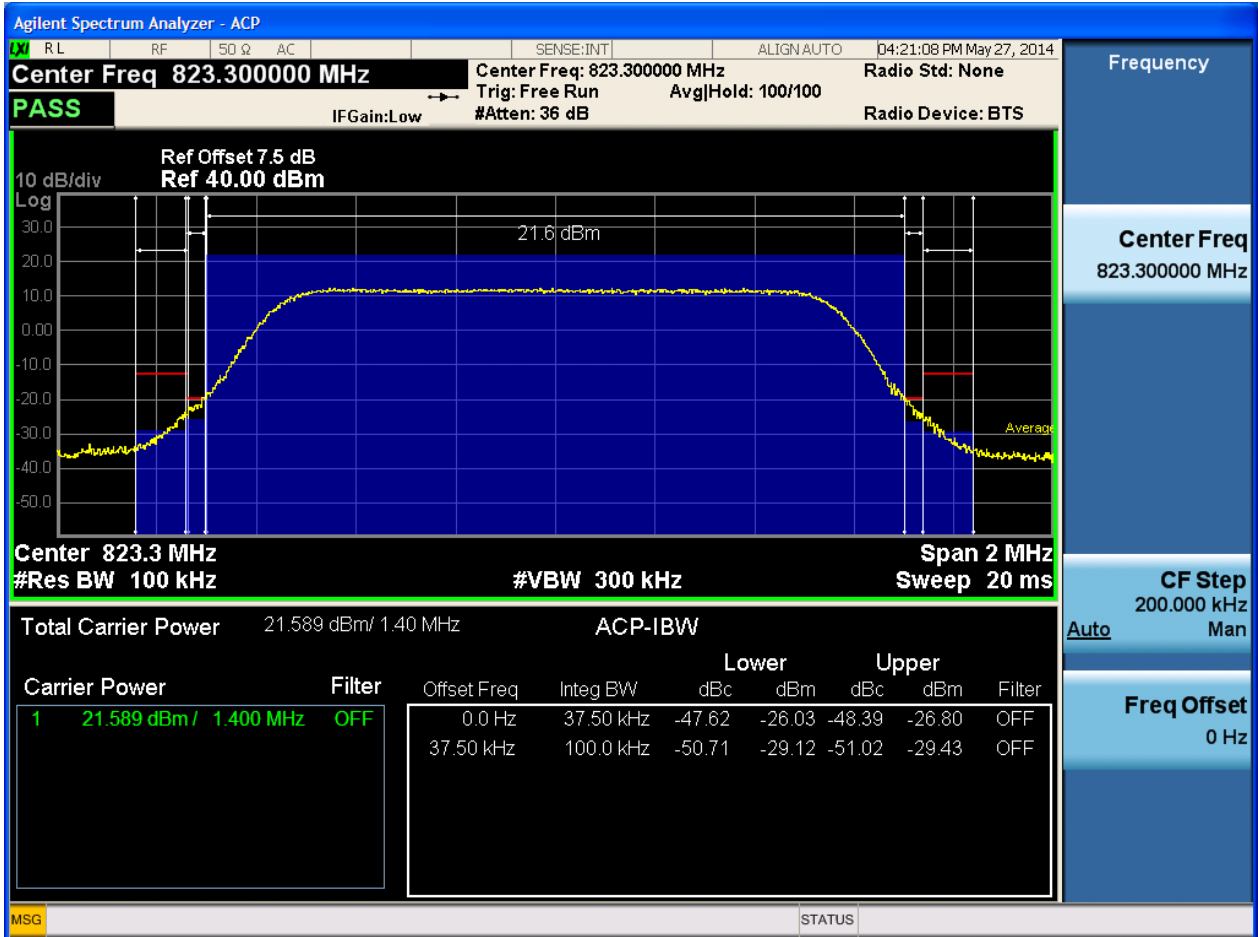
4.1.1.2.1.1.1 Test RB = RB6#0





4.1.1.2.1.2 Test Channel = HCH

4.1.1.2.1.2.1 Test RB = RB6#0

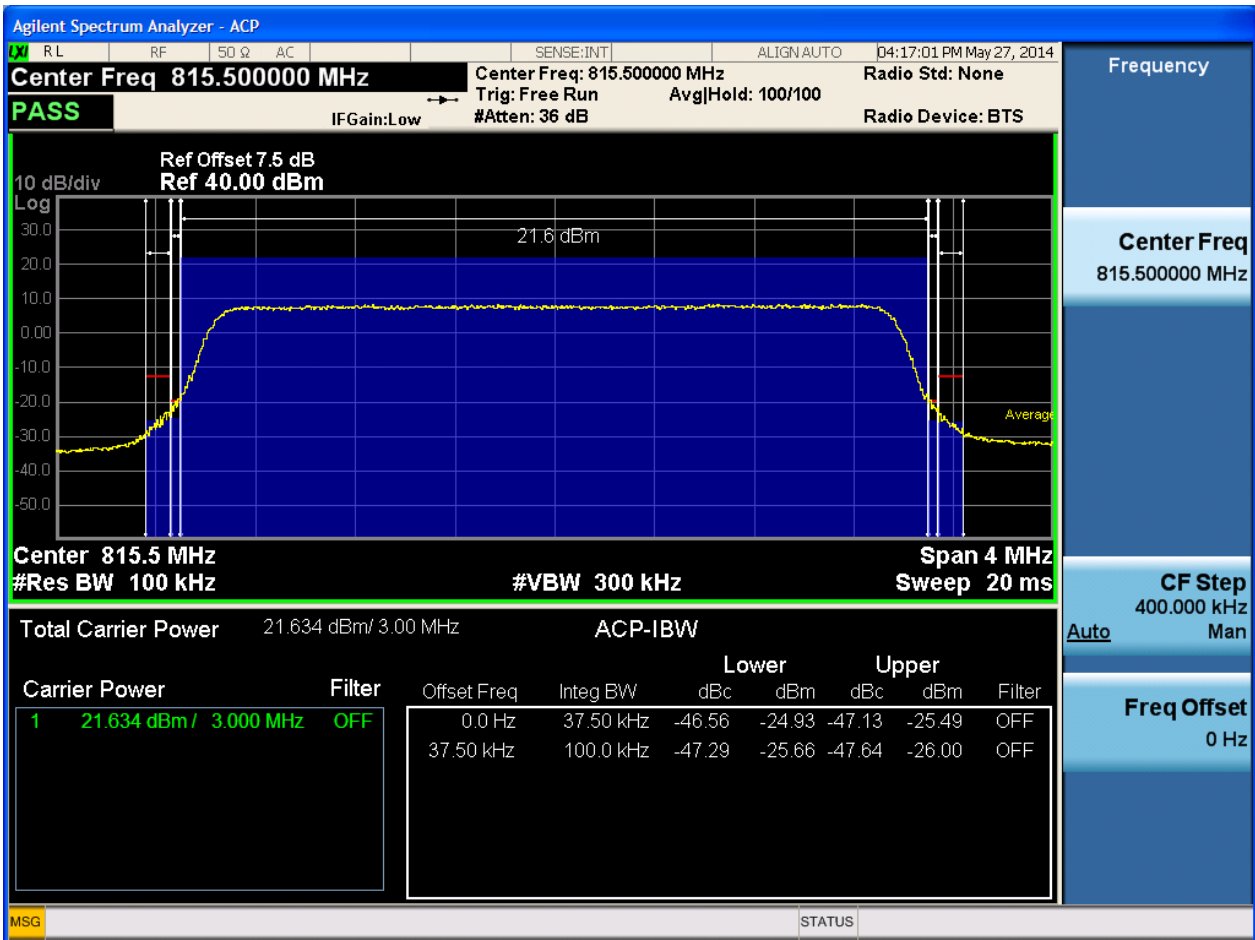




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

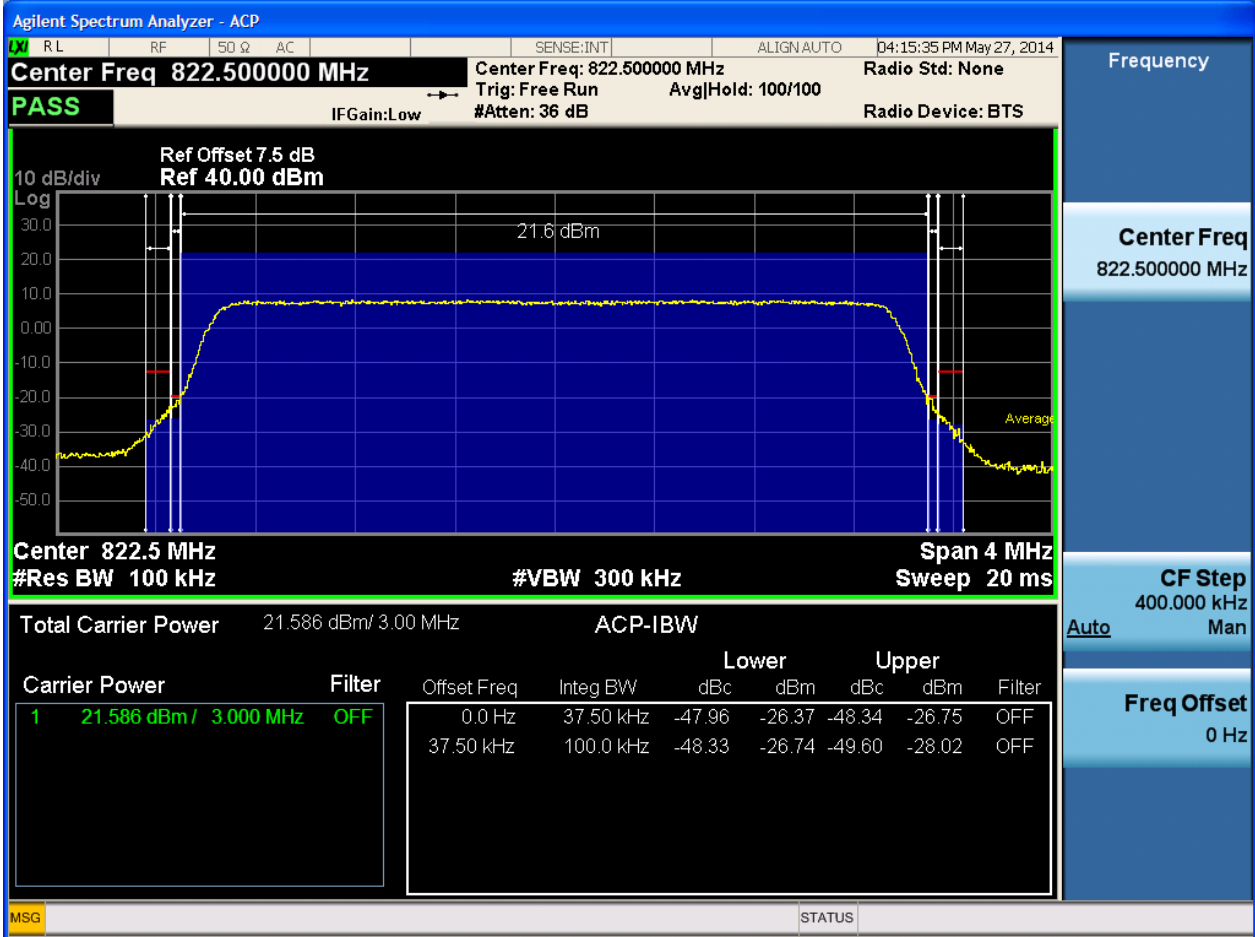
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2.2 Test Channel = HCH

4.1.1.2.2.2.1 Test RB = RB15#0

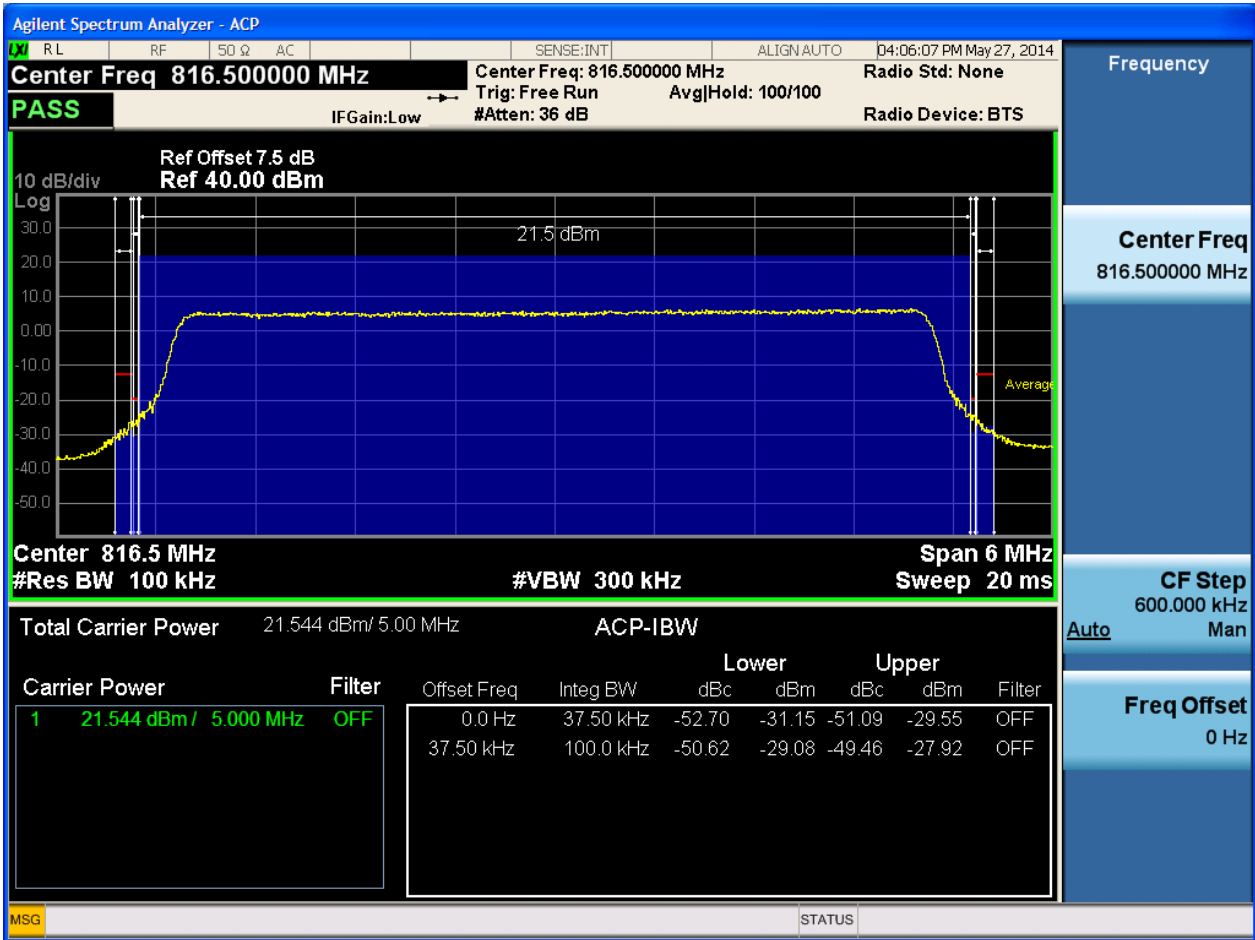




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

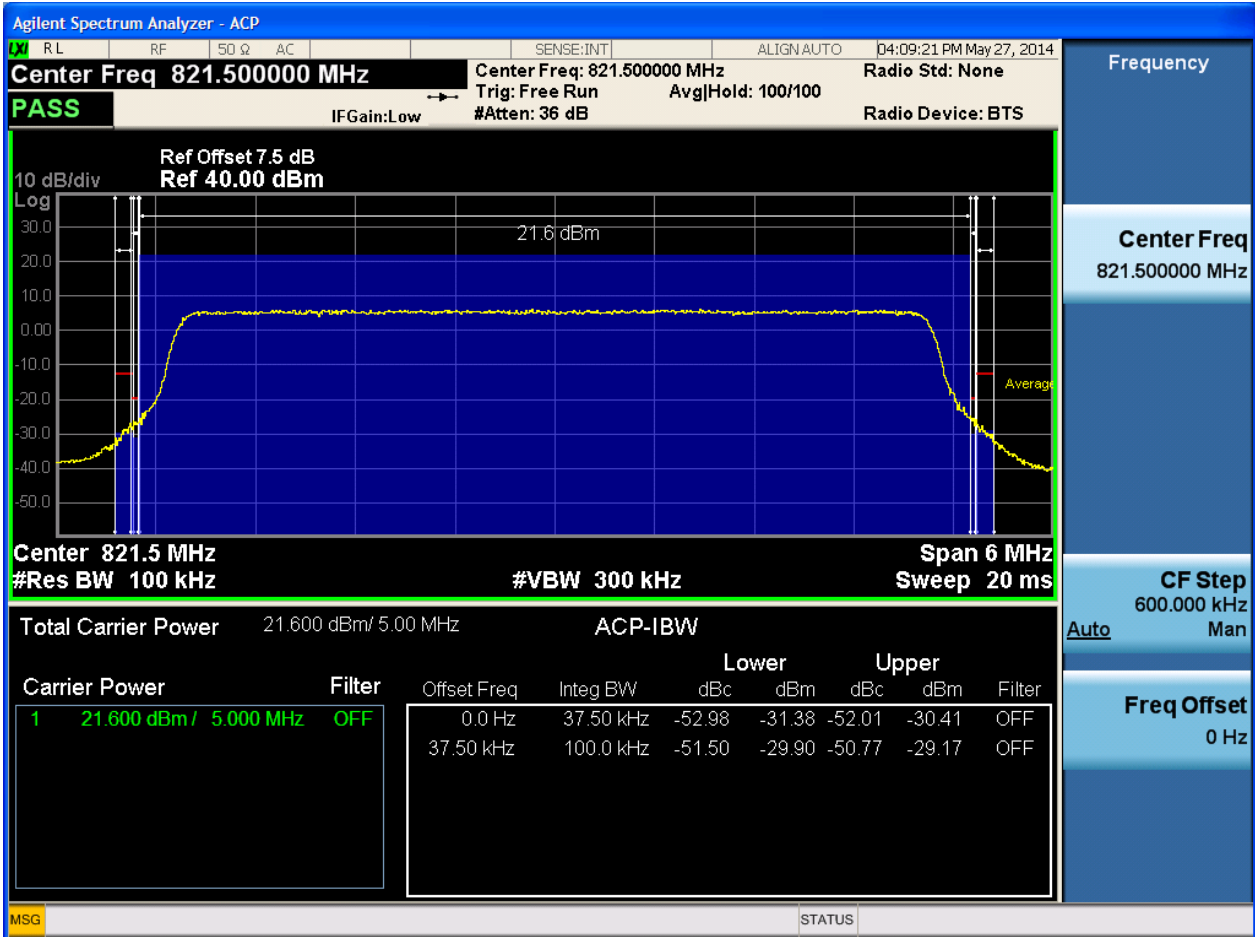
4.1.1.2.3.1.1 Test RB = RB25#0





4.1.1.2.3.2 Test Channel = HCH

4.1.1.2.3.2.1 Test RB = RB25#0

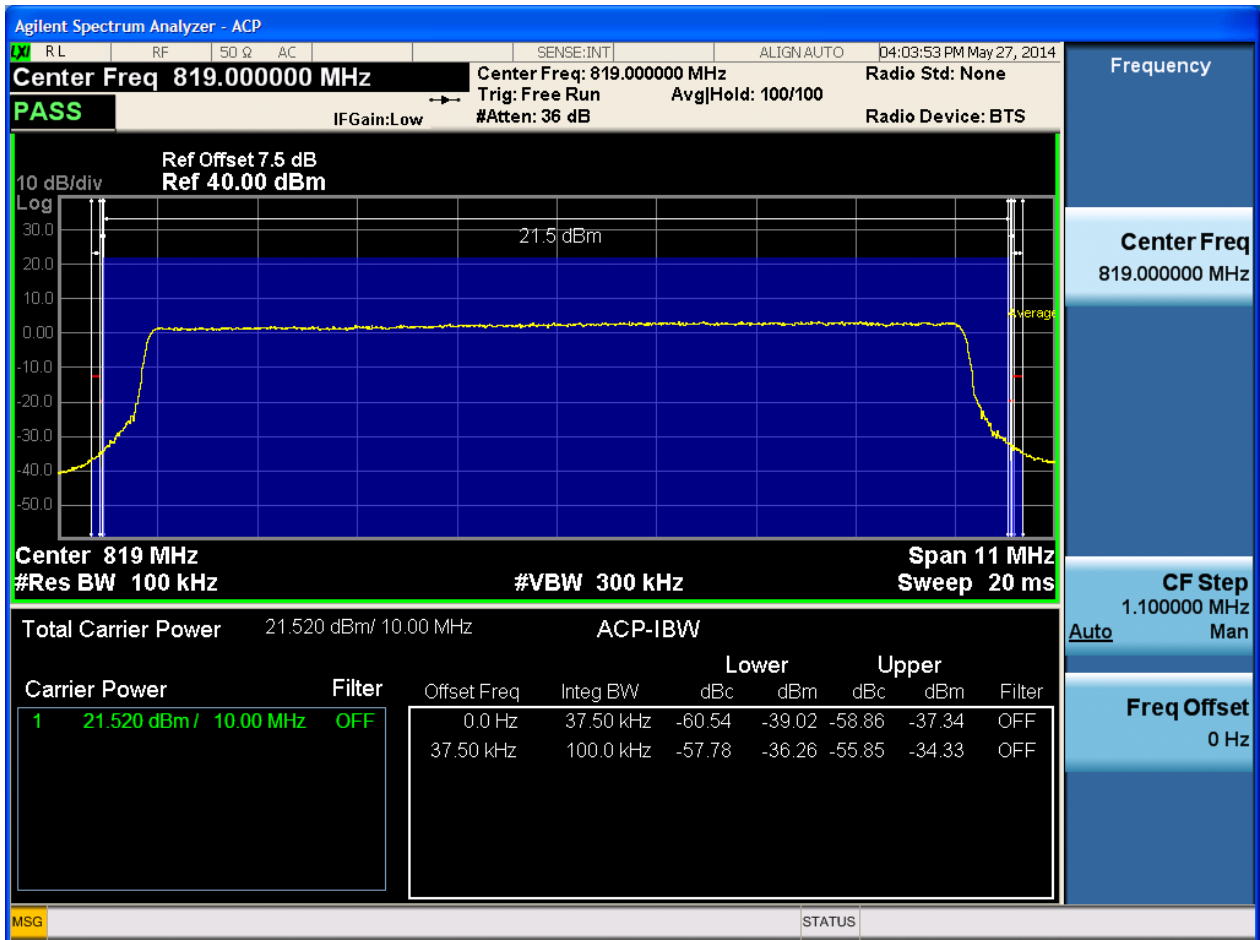




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH/HCH

4.1.1.2.4.1.1 Test RB = RB50#0







## 5Appendix\_E: 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

#### 5.1 For LTE

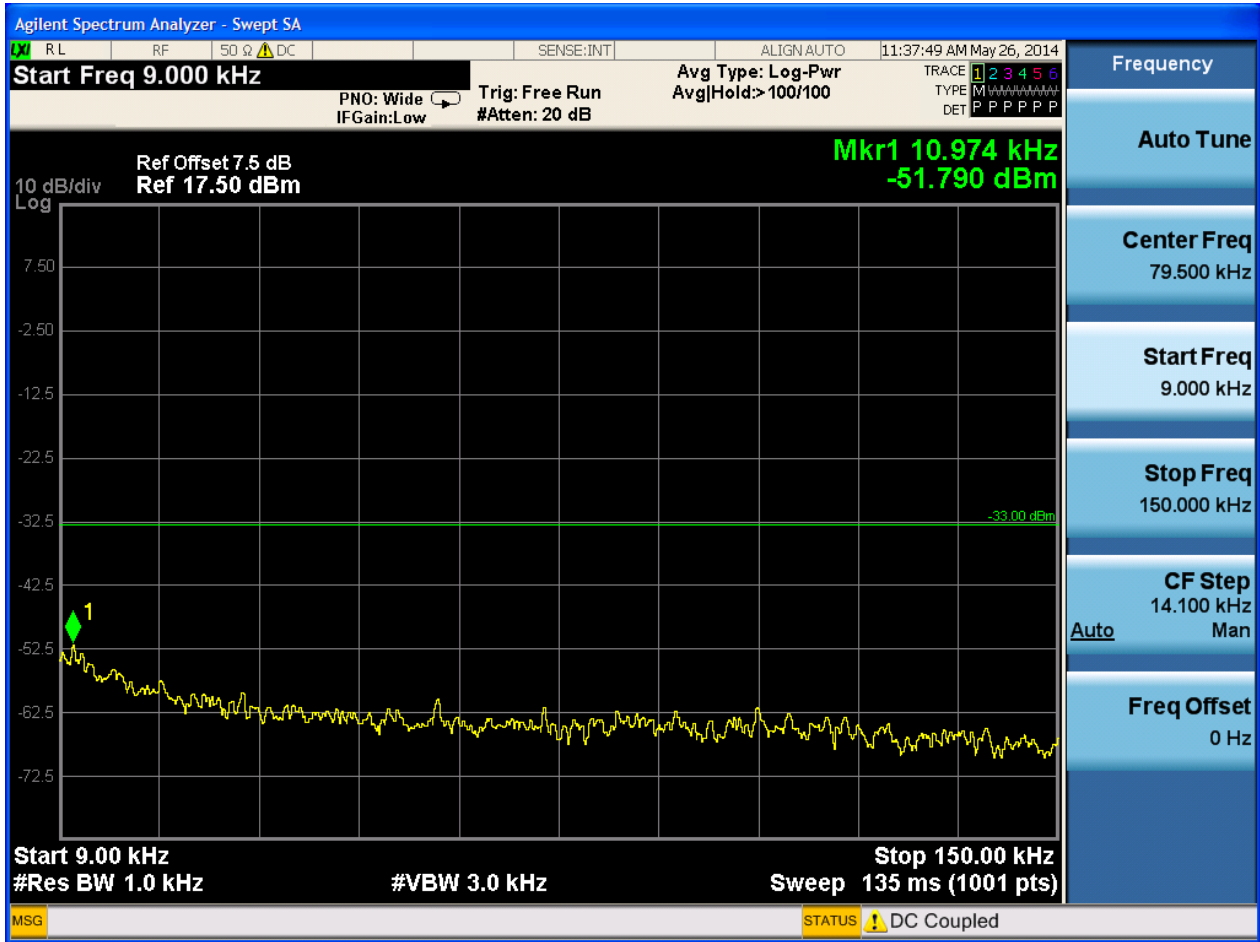
##### 5.1.1 Test Band = BAND26

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

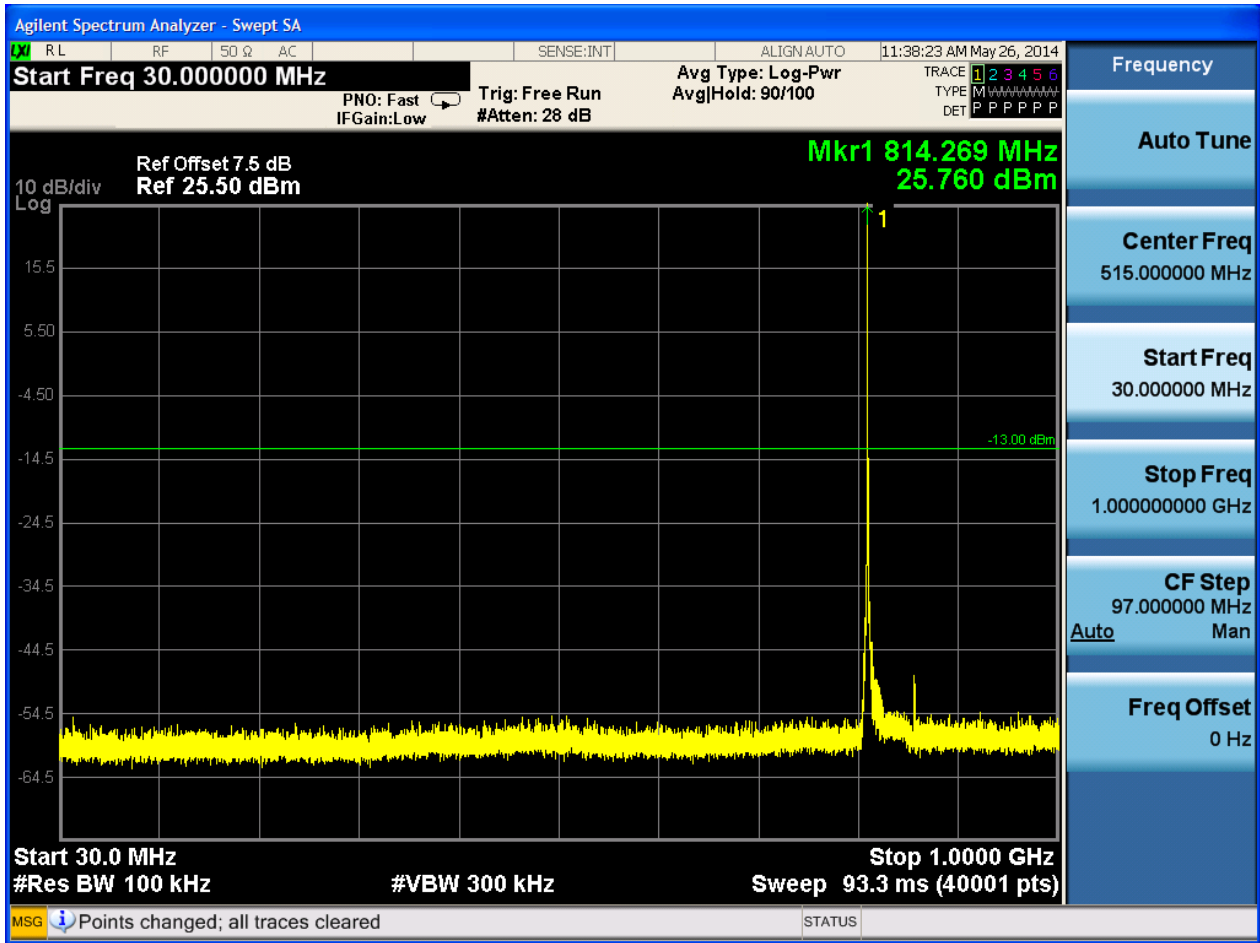
##### 5.1.1.1.1 Test Bandwidth = 1.4

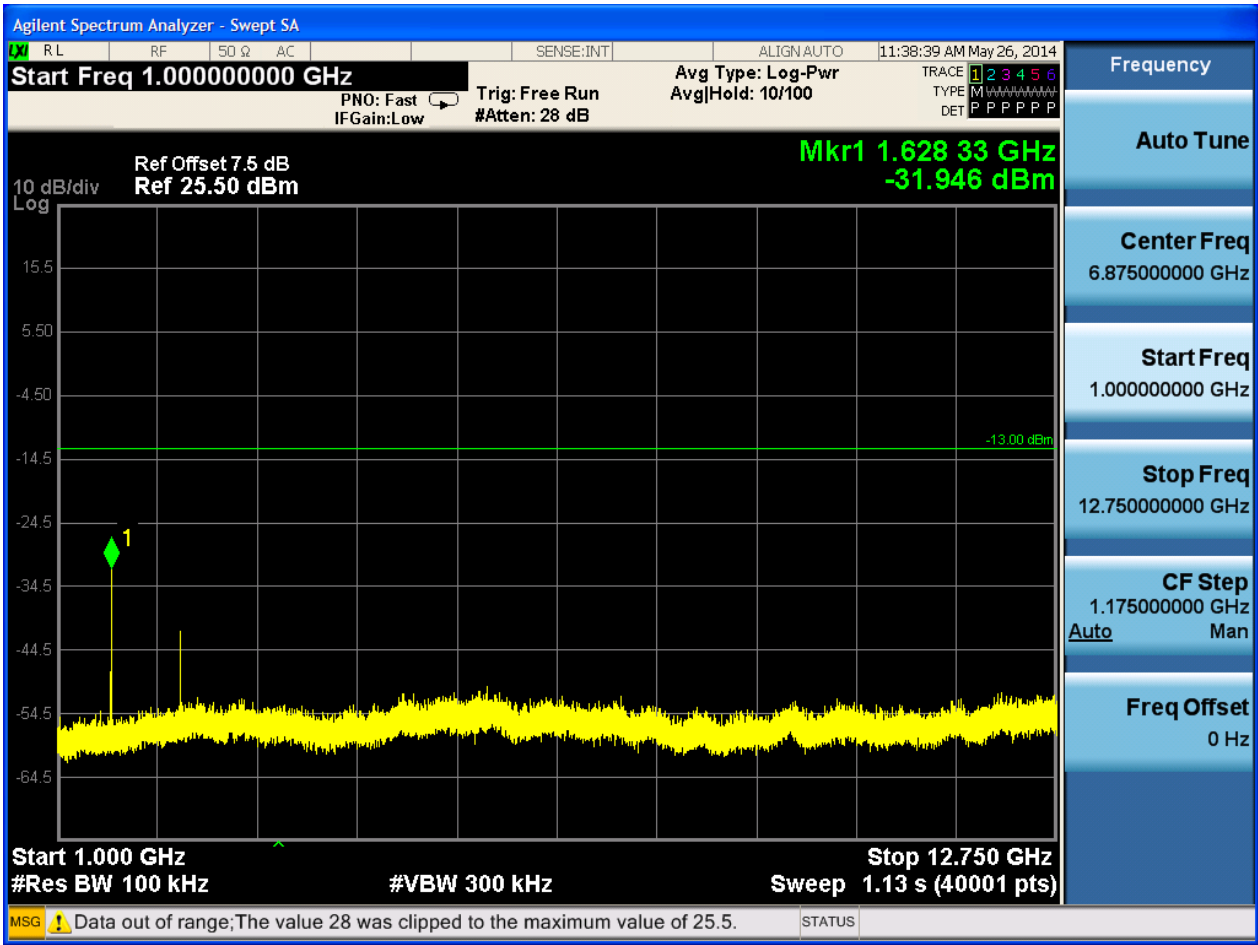
##### 5.1.1.1.1.1 Test Channel = LCH

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





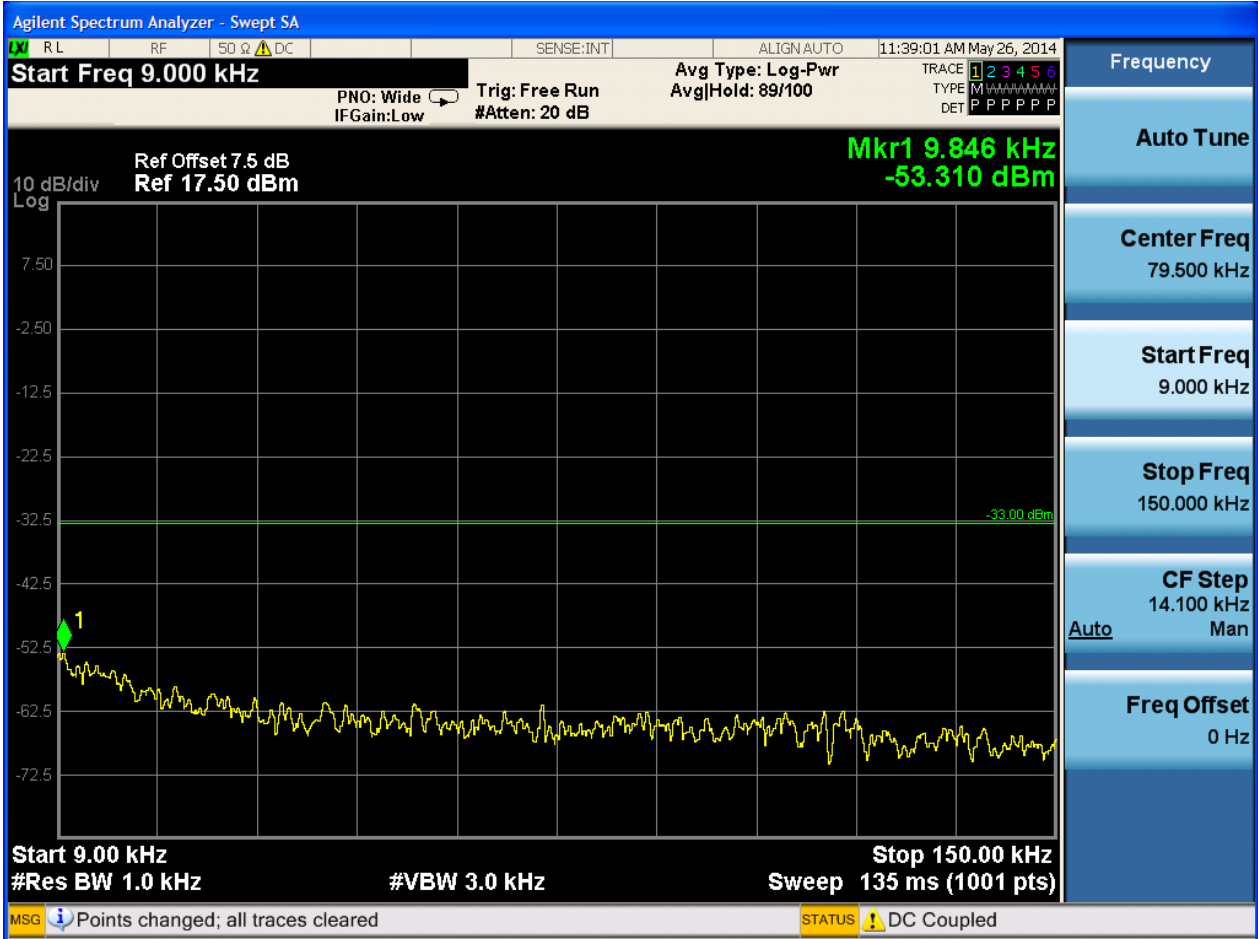




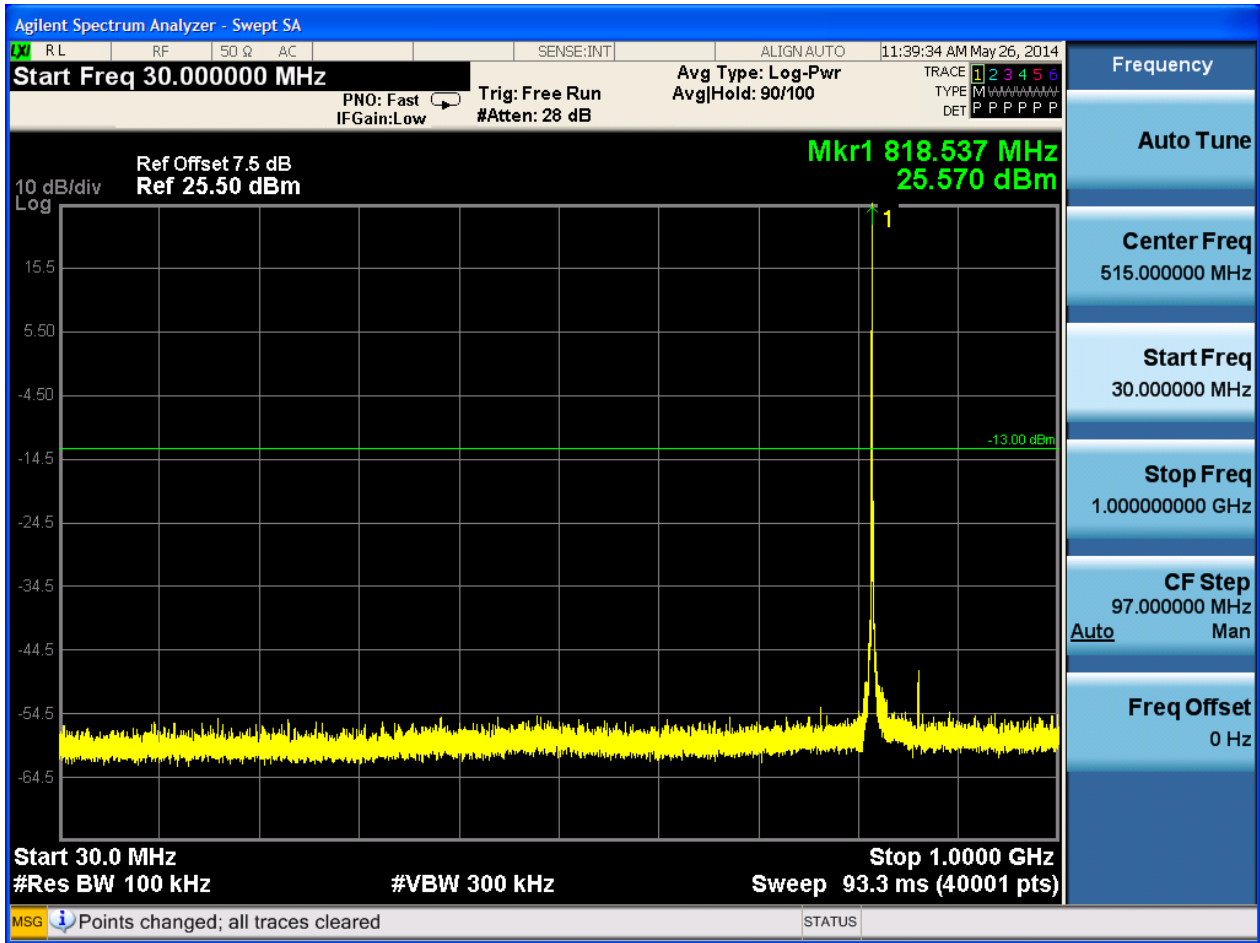


5.1.1.1.1.2 Test Channel = MCH

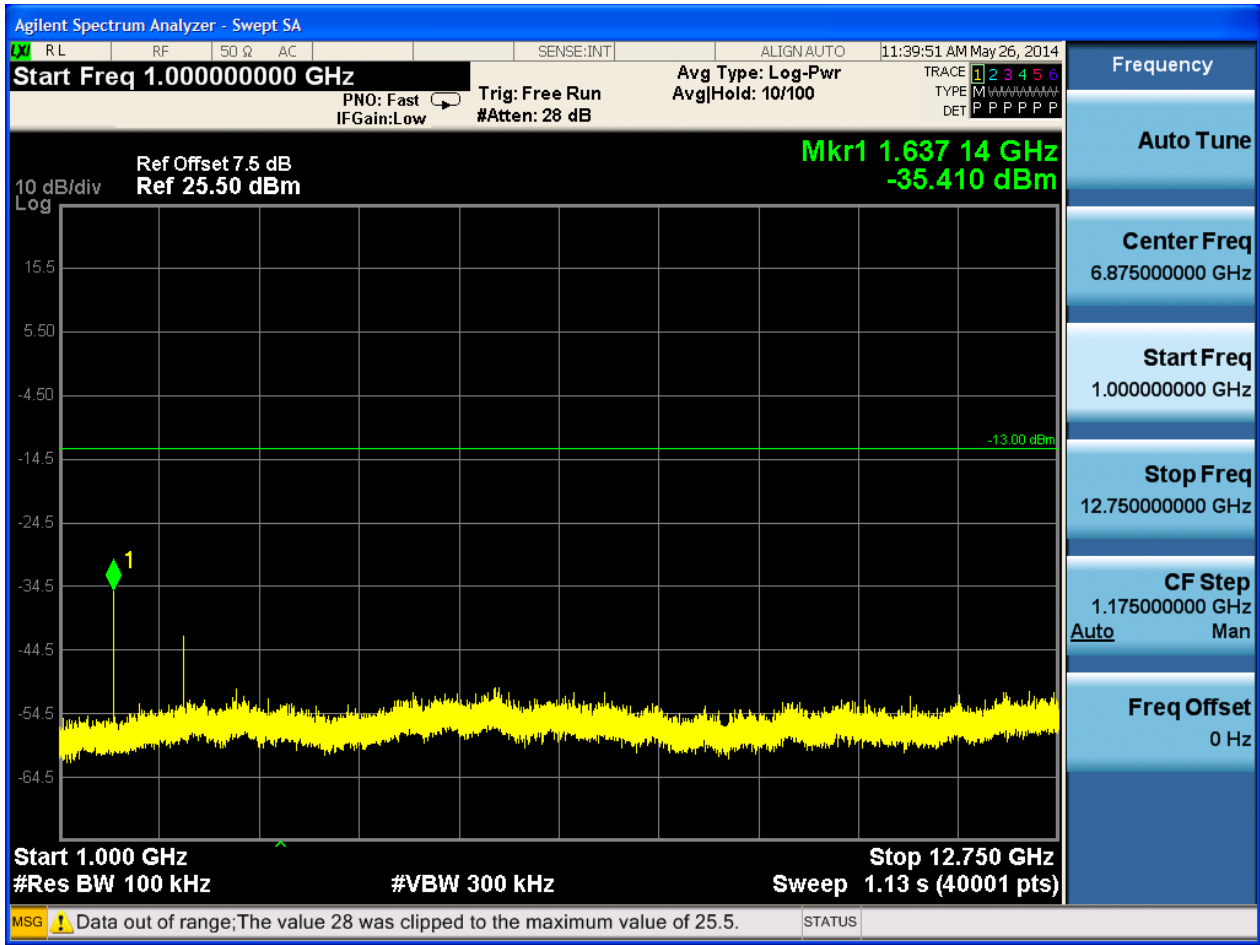
5.1.1.1.1.2.1 Test RB = RB1#0







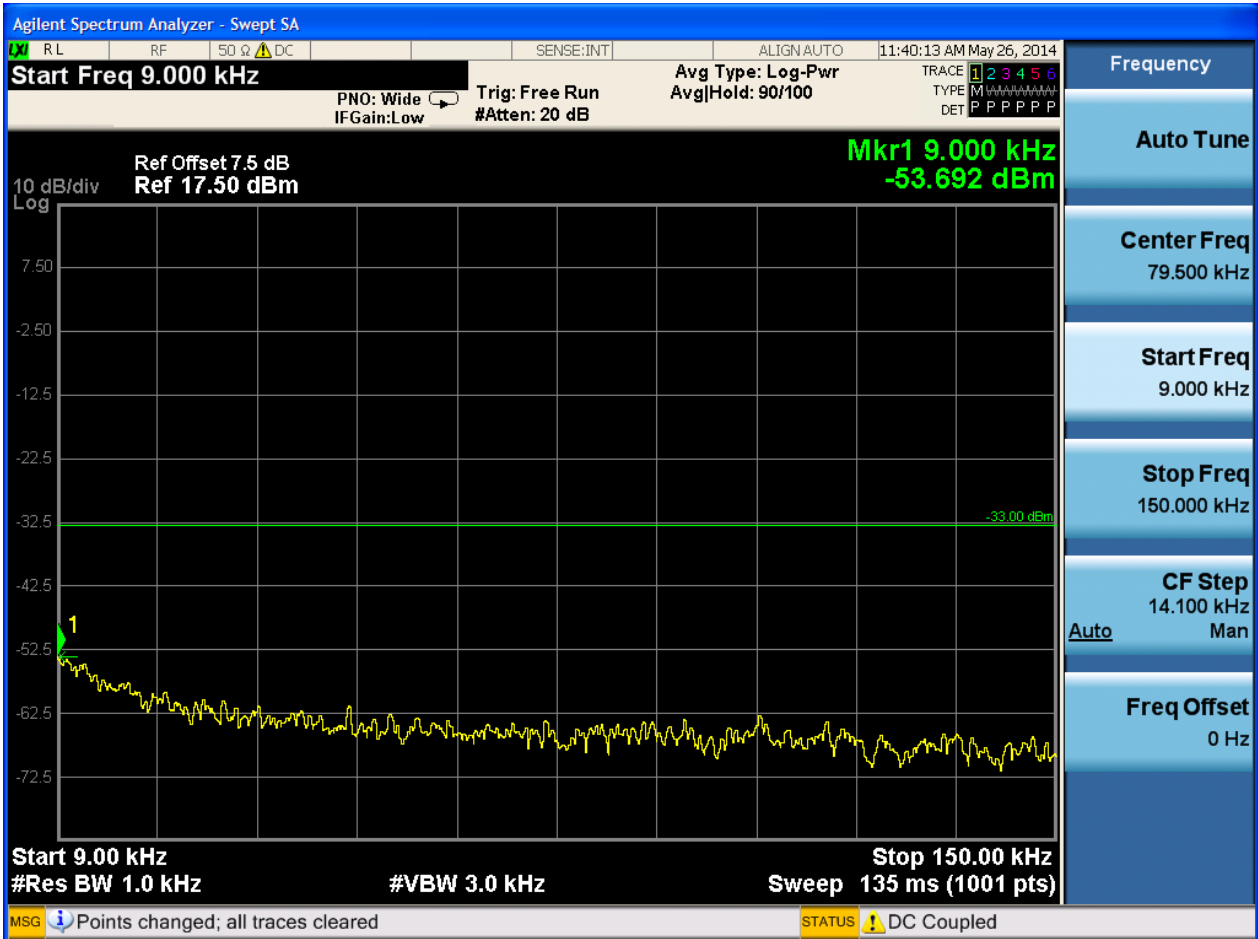




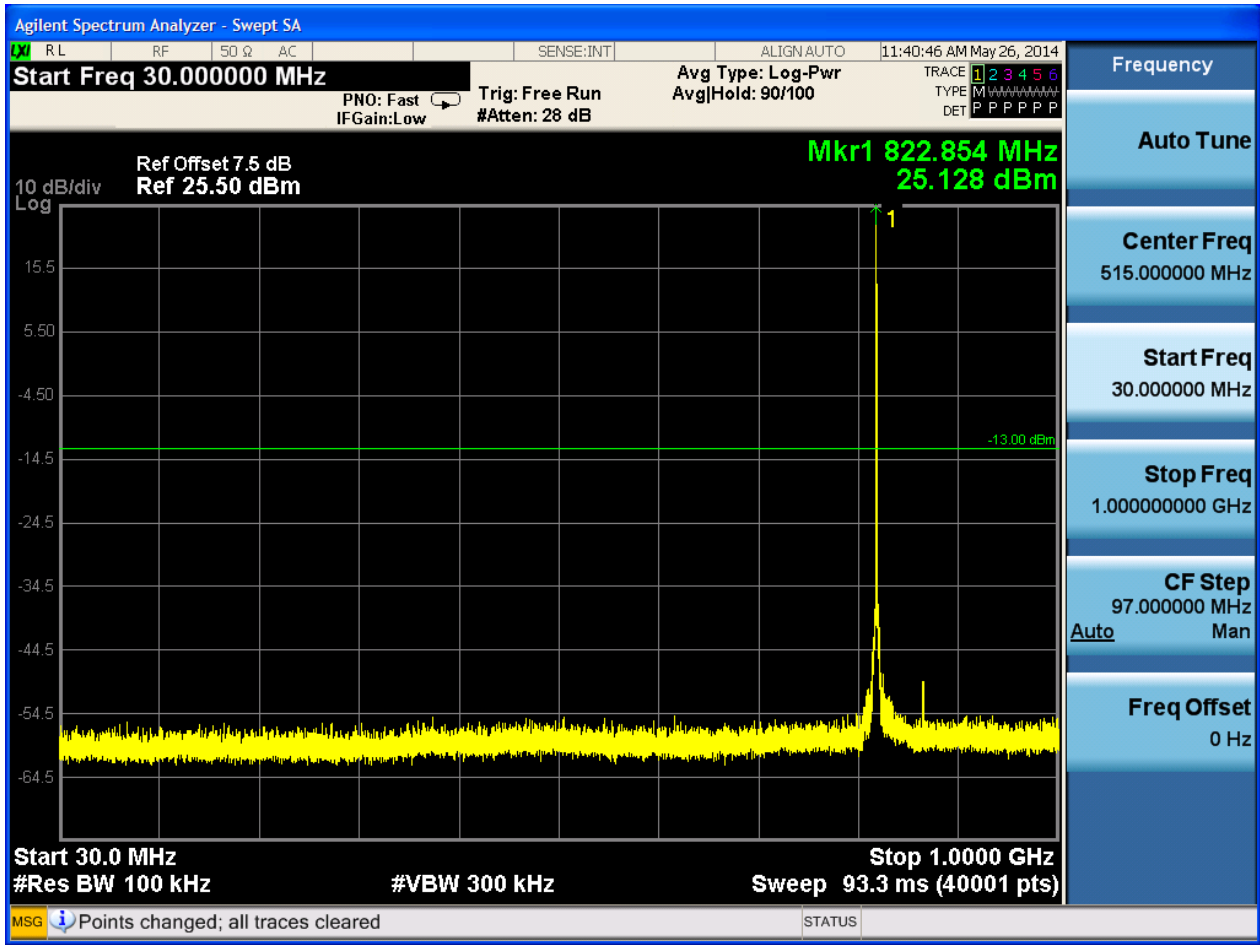


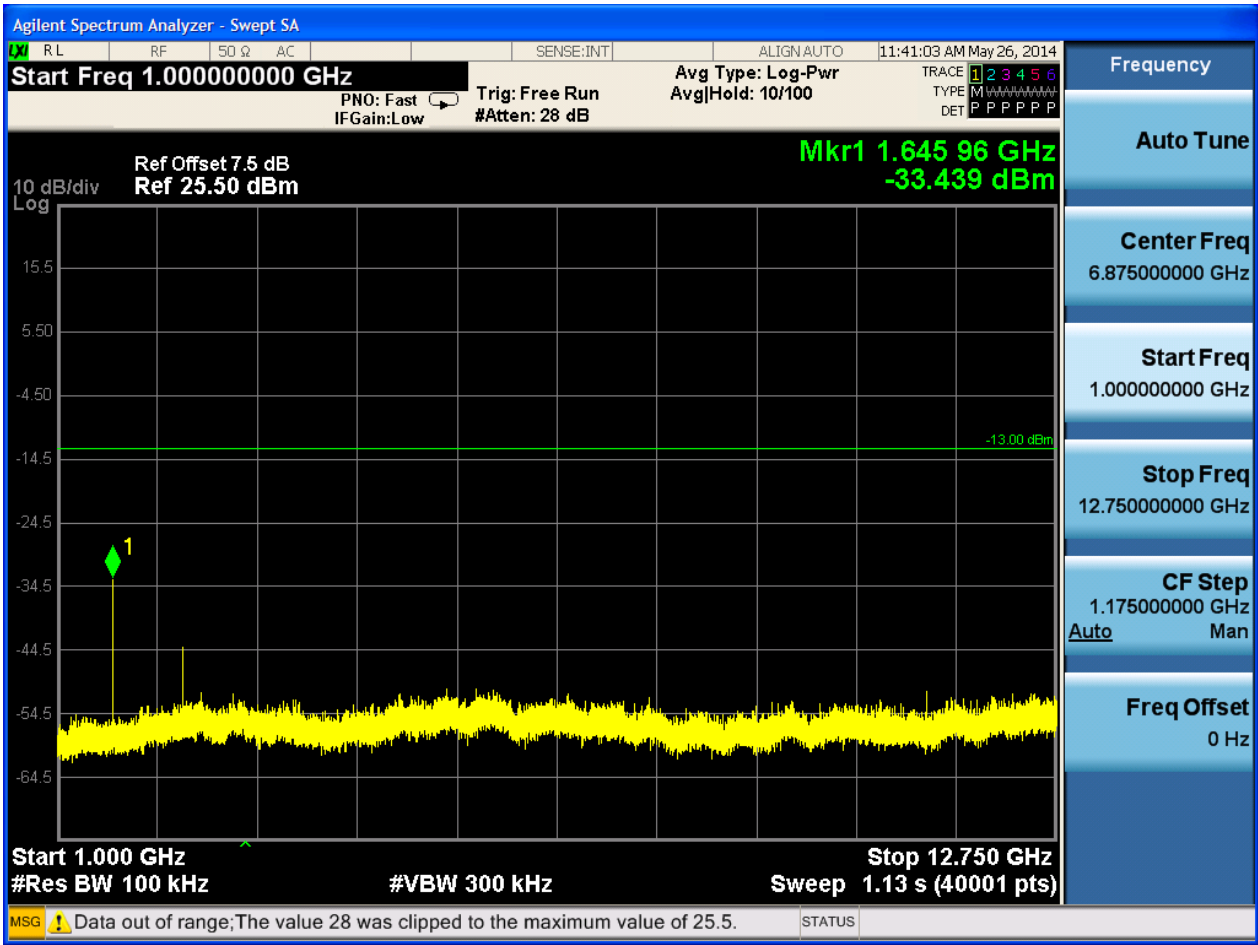
5.1.1.1.1.3 Test Channel = HCH

5.1.1.1.1.3.1 Test RB = RB1#0







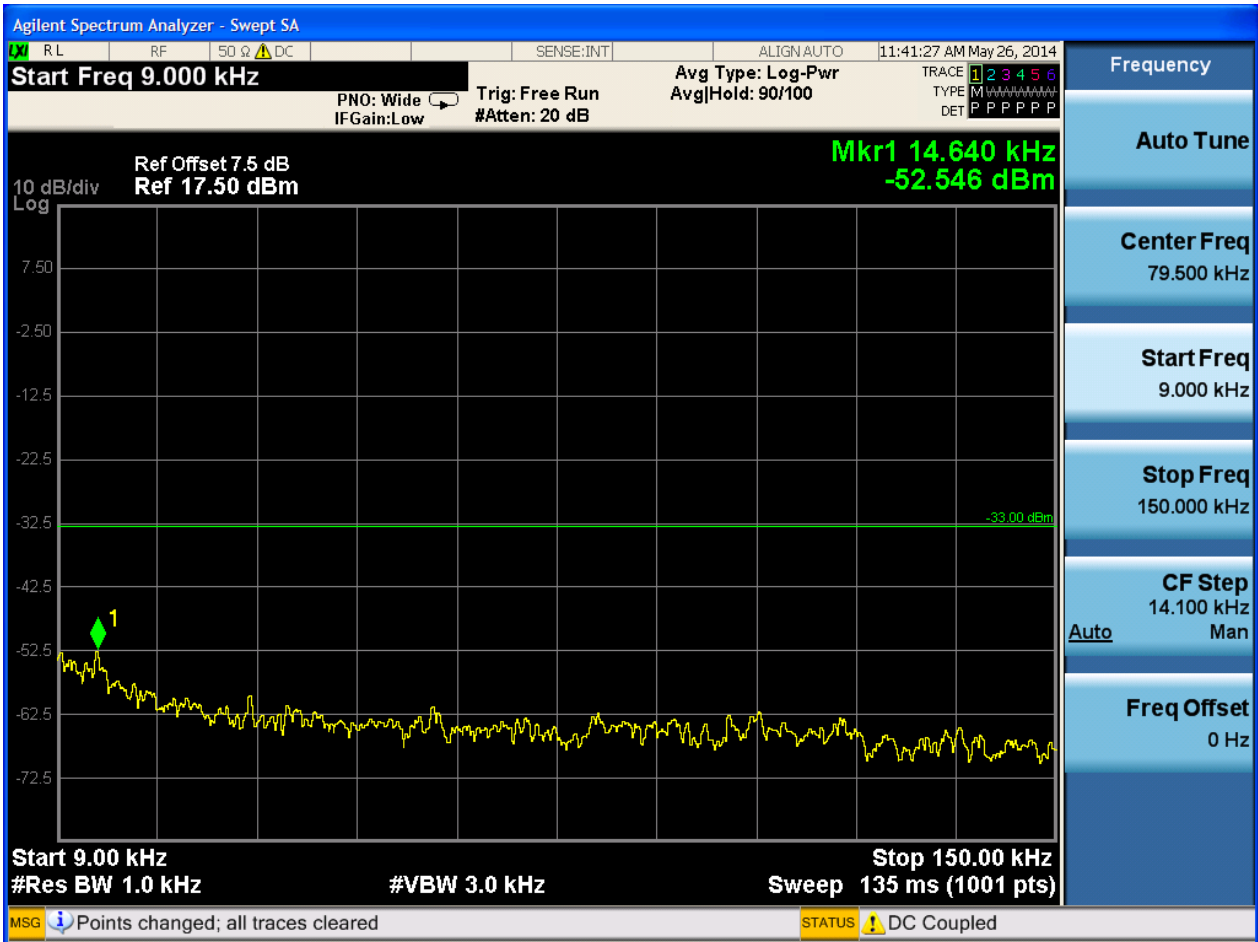


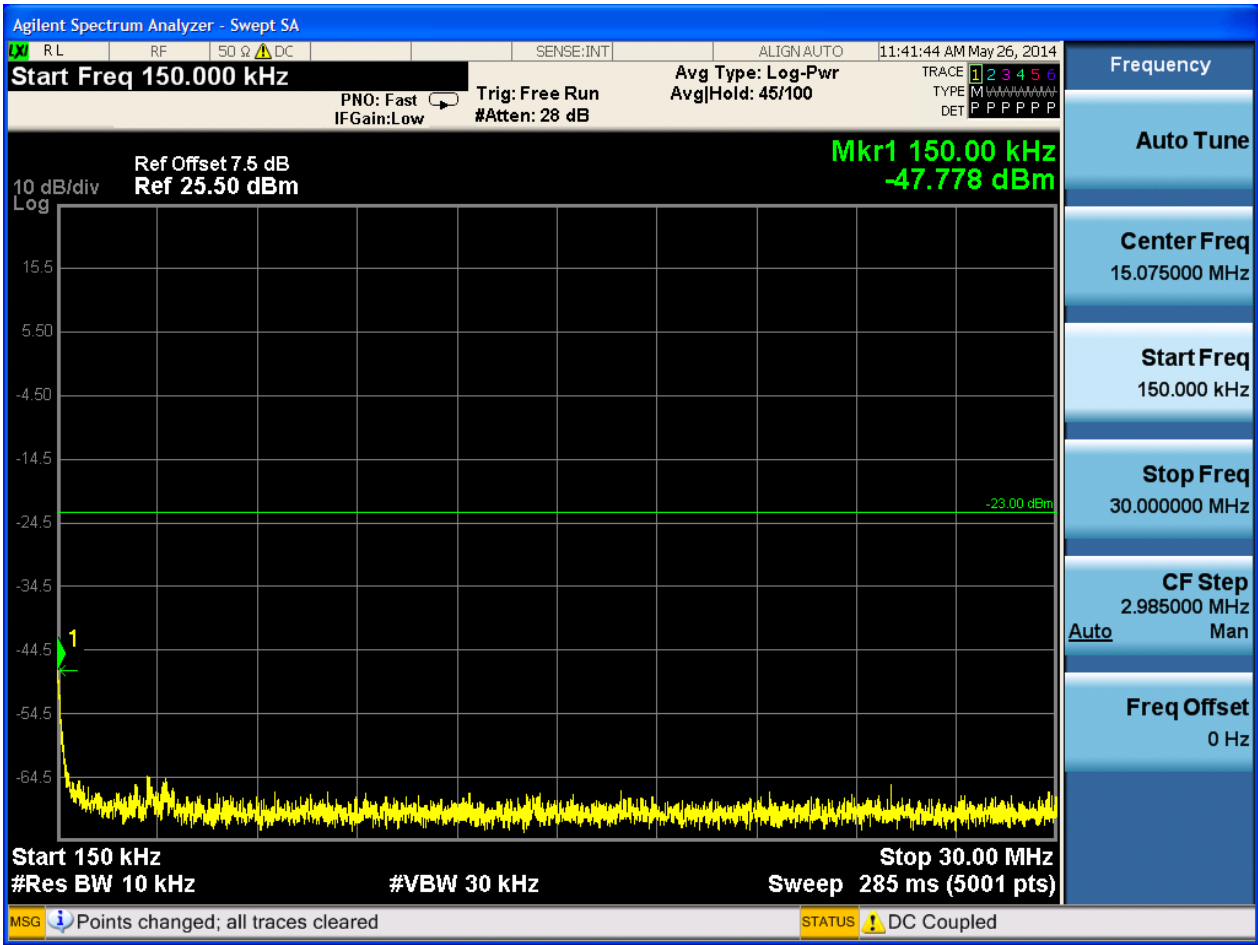


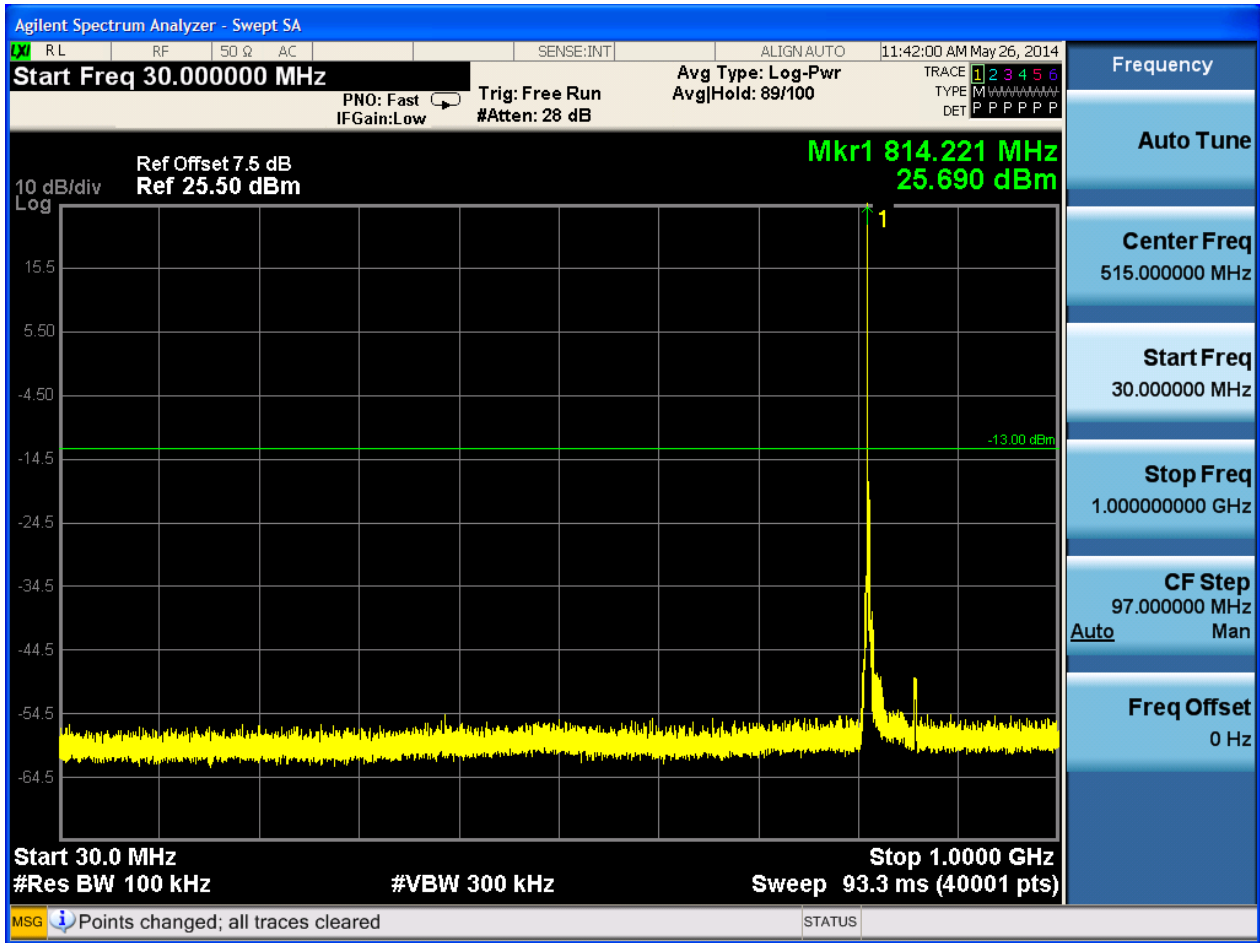
5.1.1.1.2 Test Bandwidth = 3

5.1.1.1.2.1 Test Channel = LCH

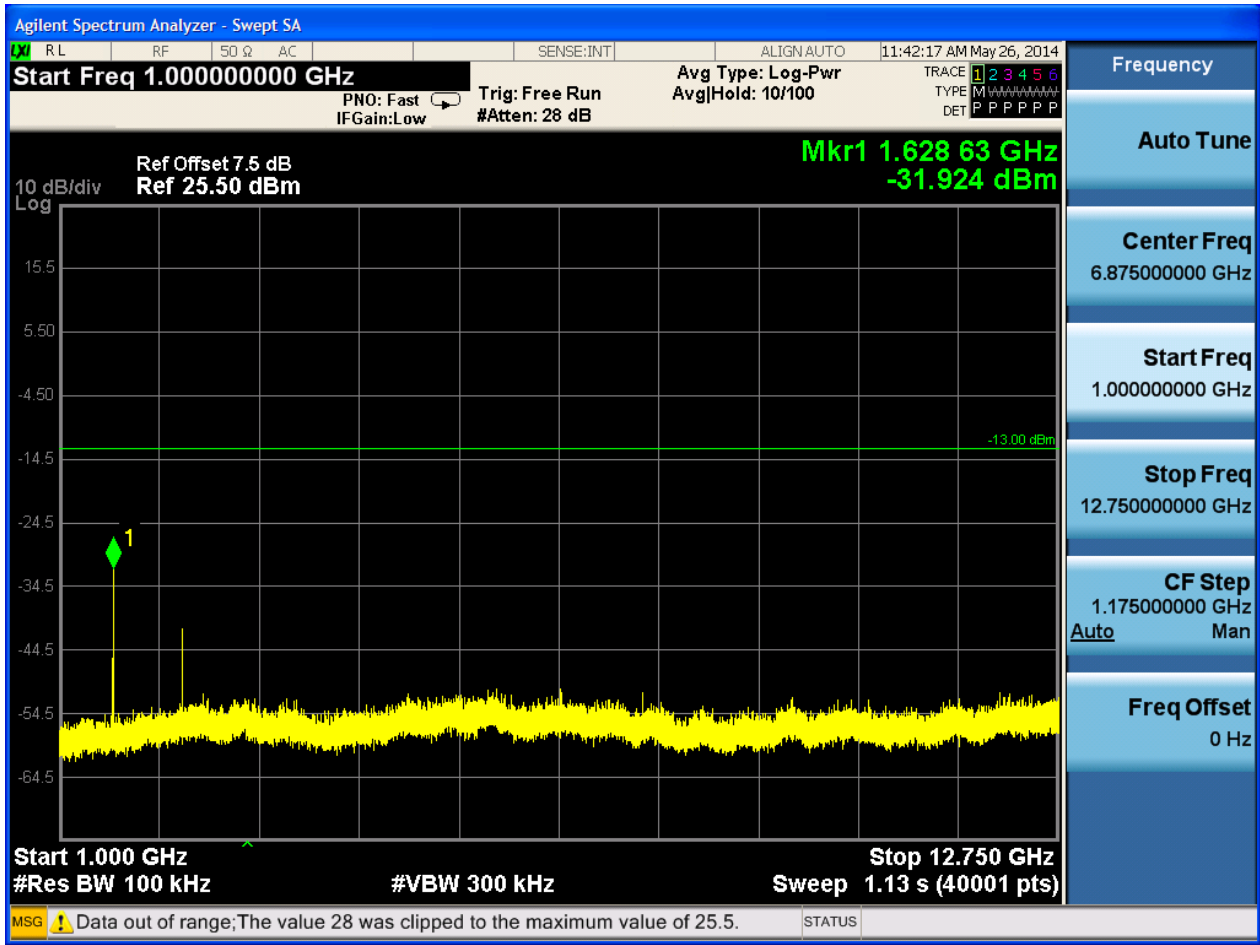
5.1.1.1.2.1.1 Test RB = RB1#0







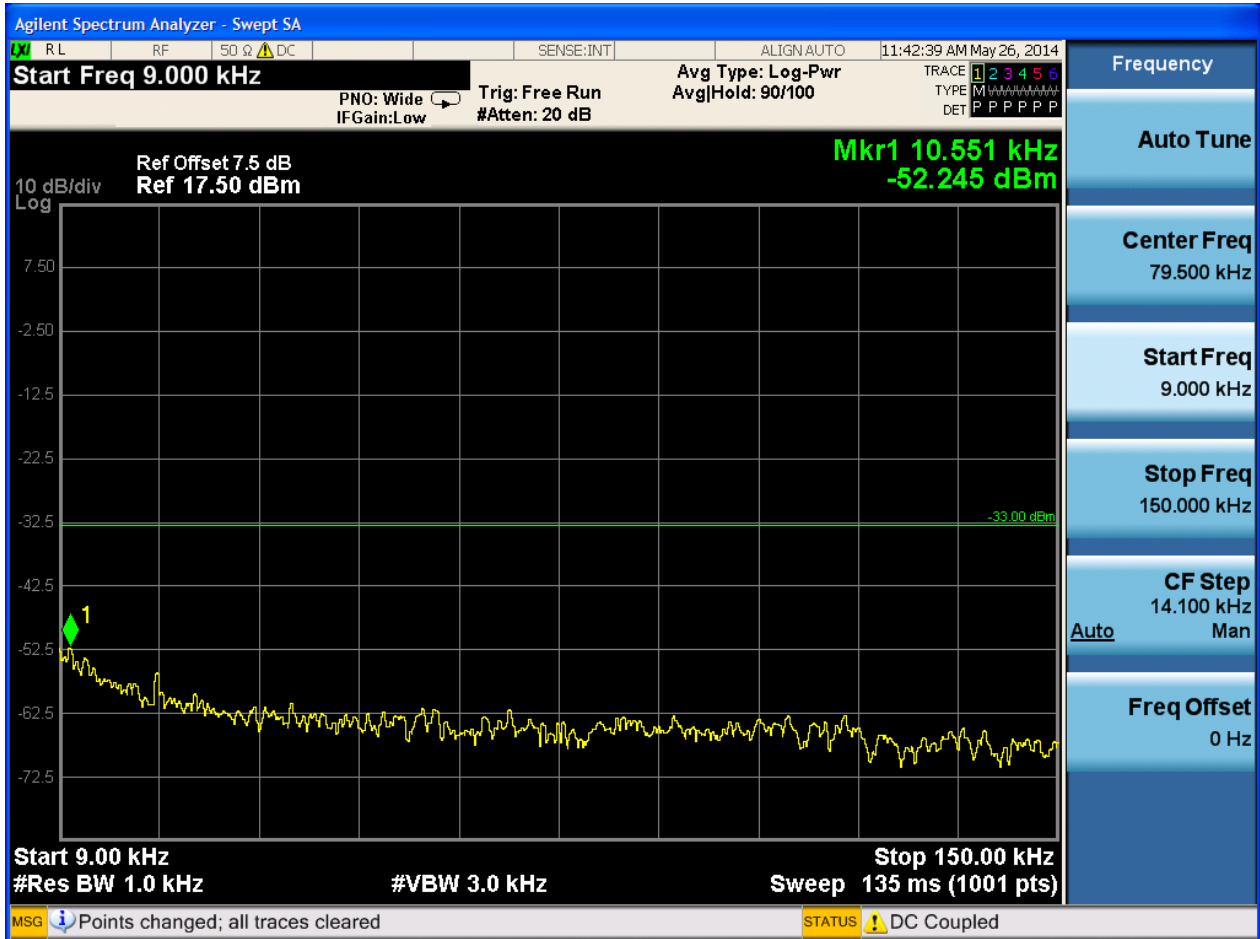




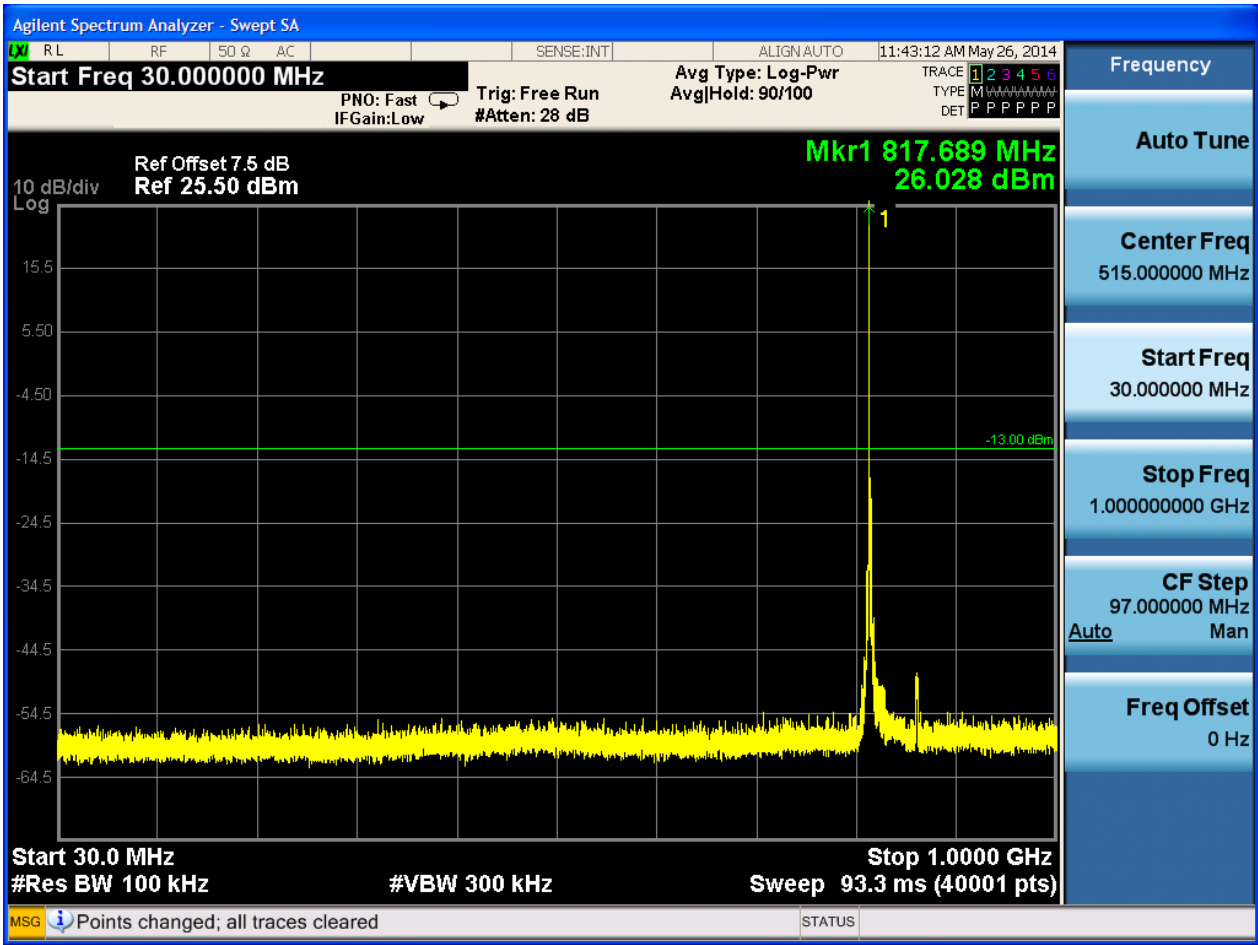


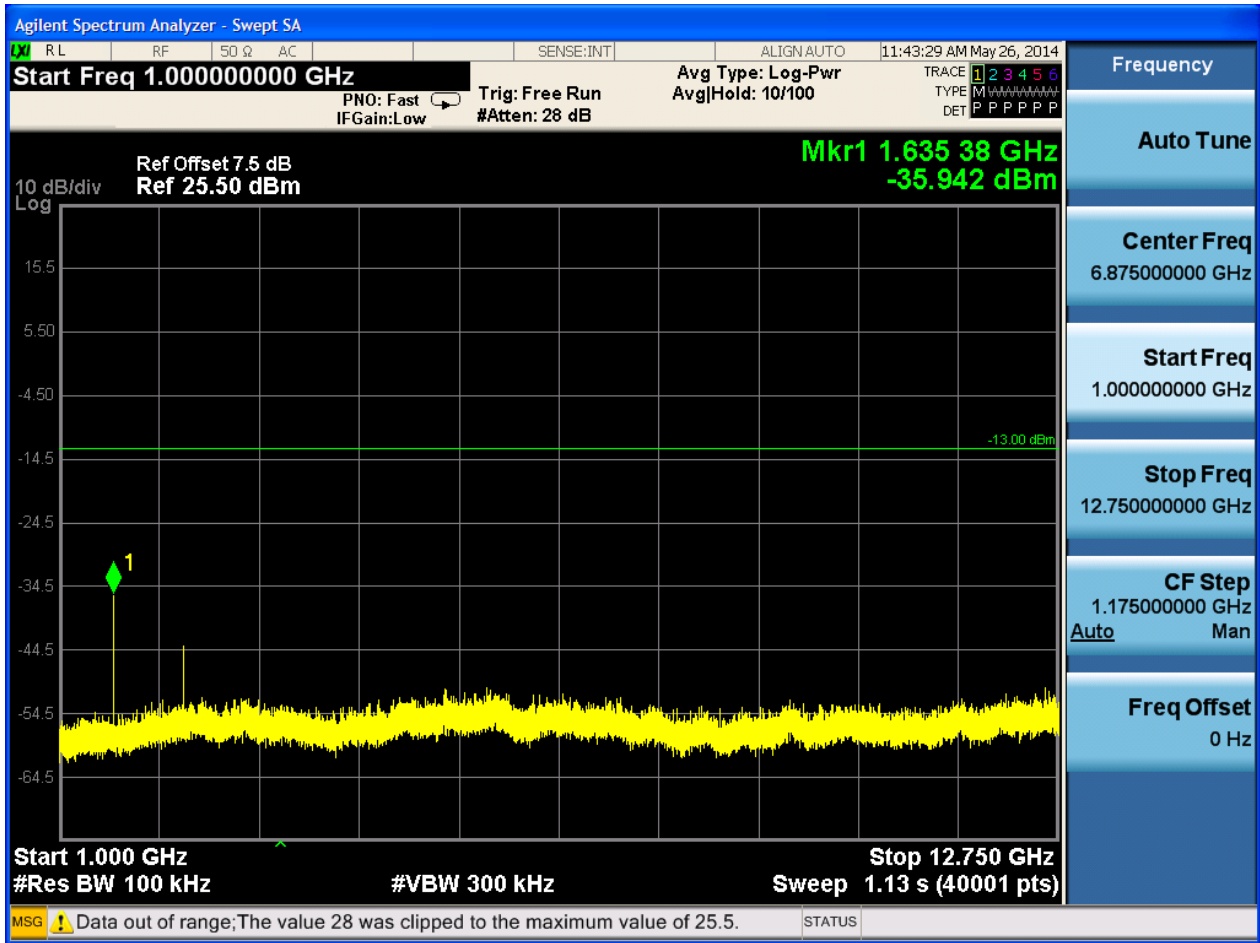
5.1.1.1.2.2 Test Channel = MCH

5.1.1.1.2.2.1 Test RB = RB1#0





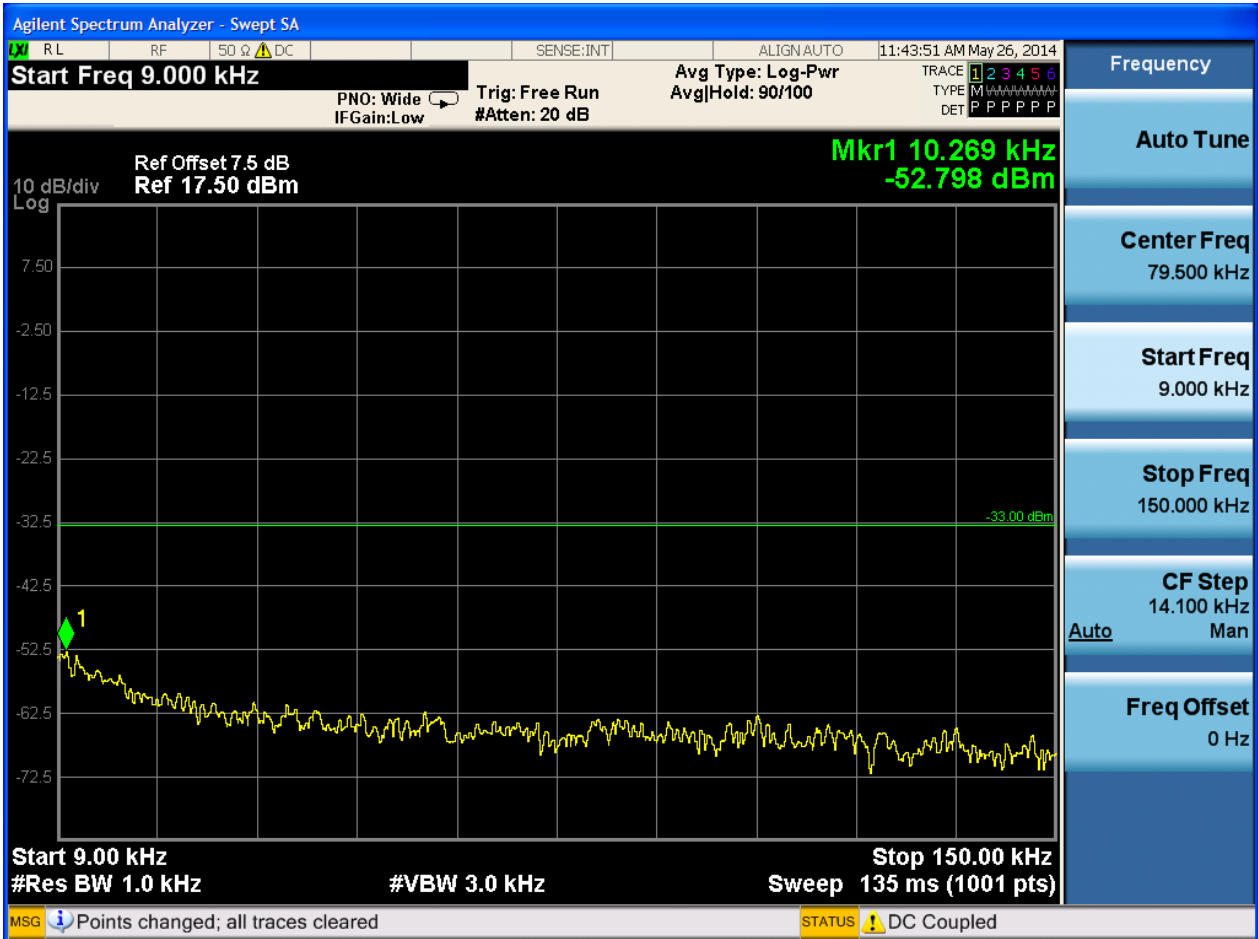


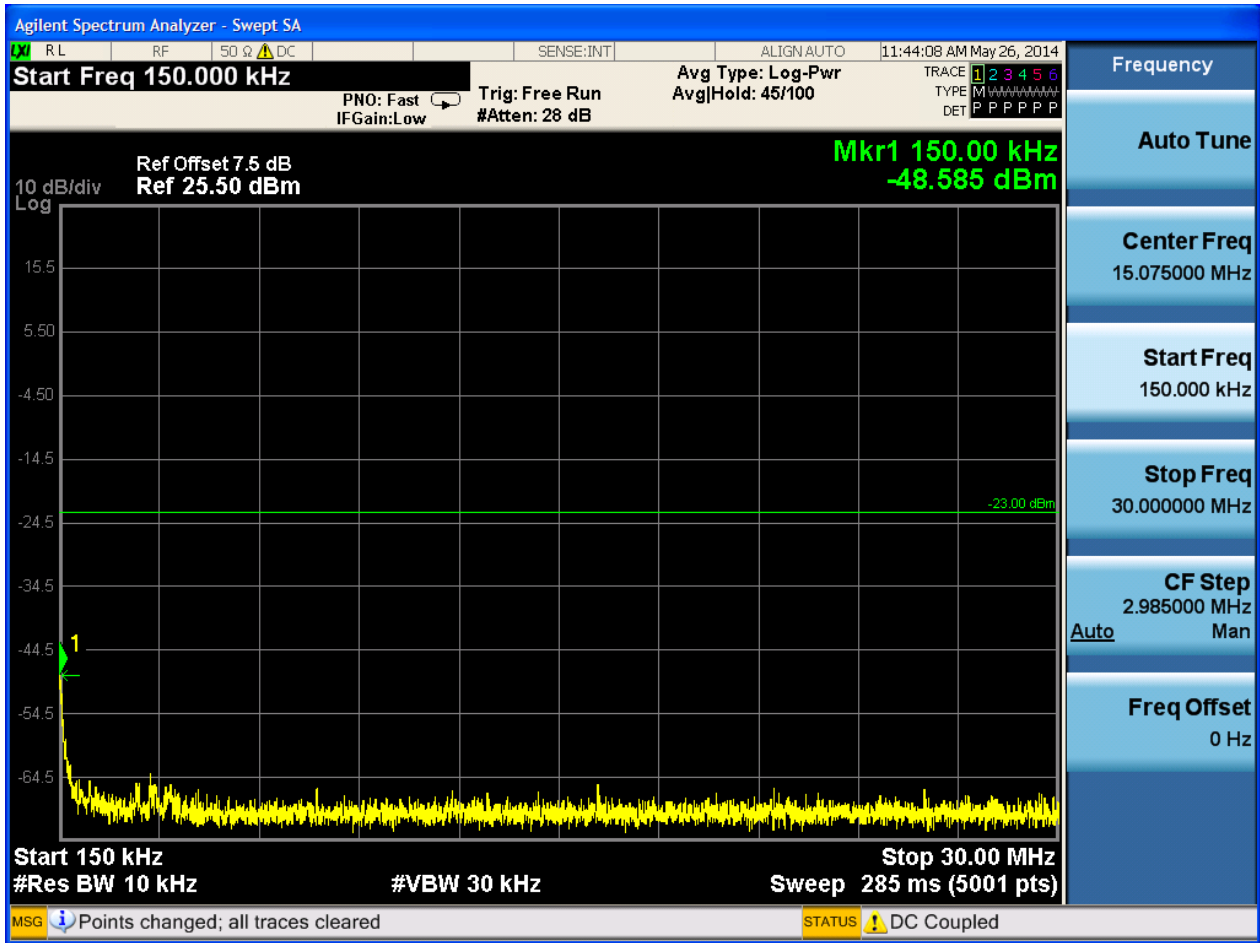


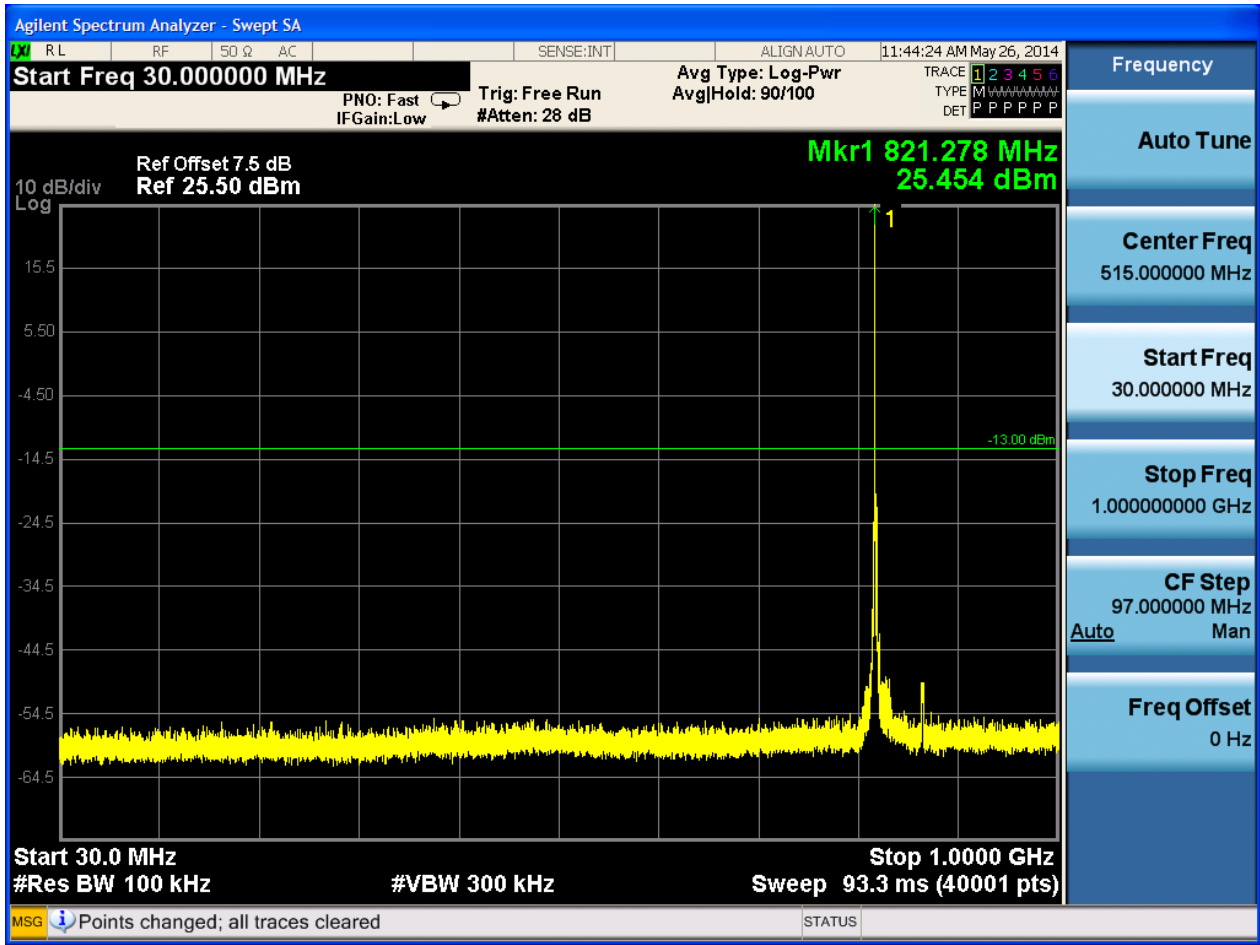


5.1.1.1.2.3 Test Channel = HCH

5.1.1.1.2.3.1 Test RB = RB1#0









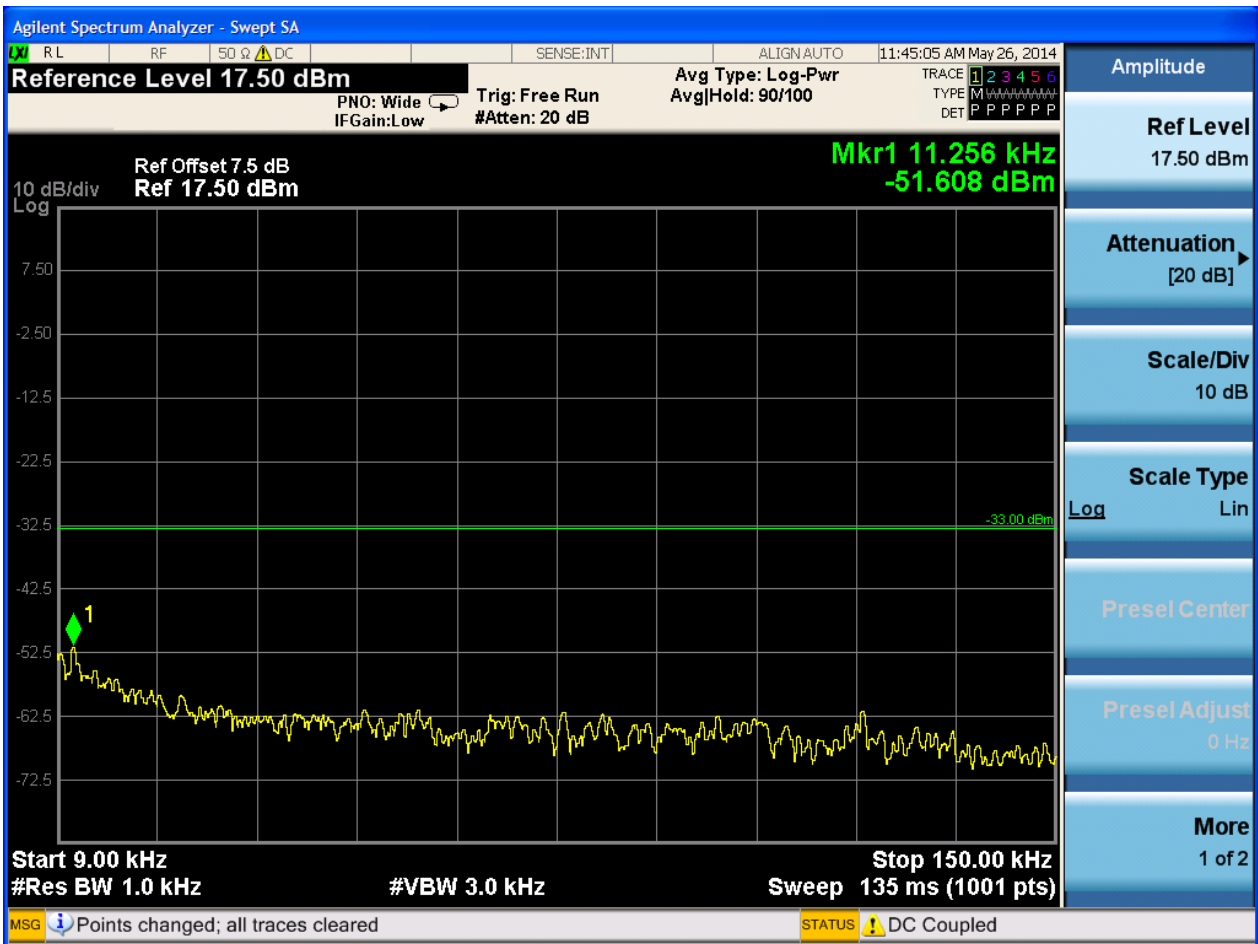




5.1.1.1.3 Test Bandwidth = 5

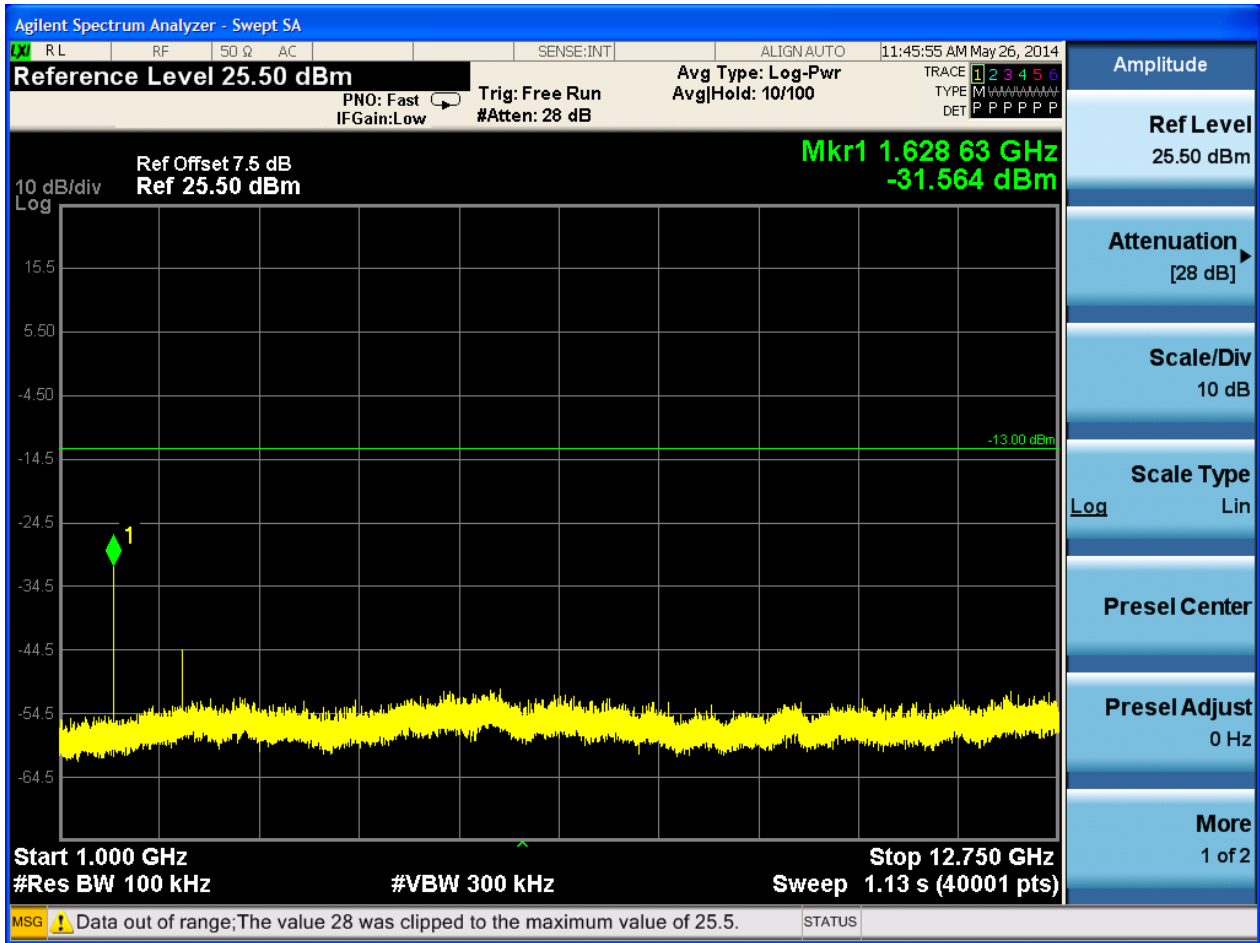
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0





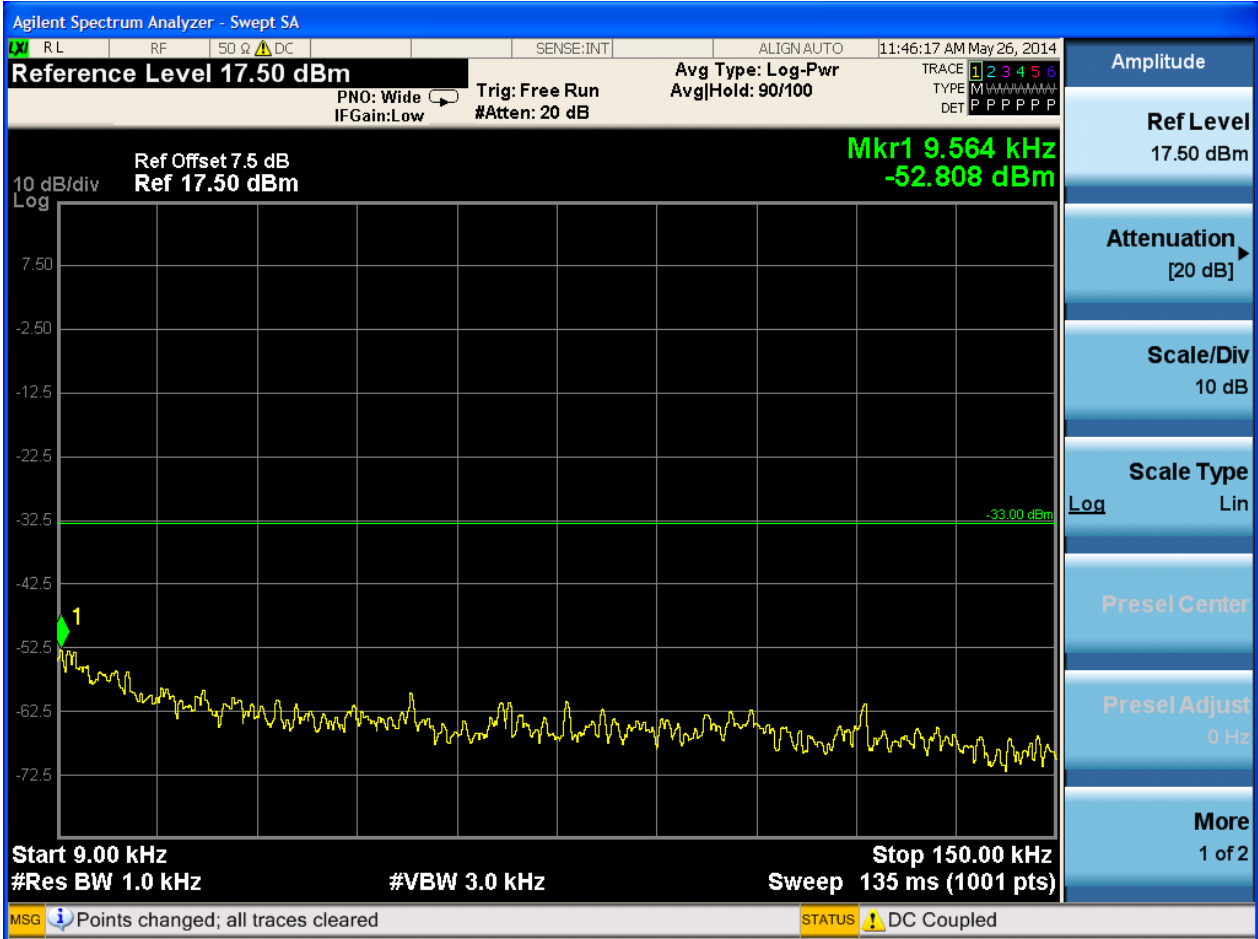


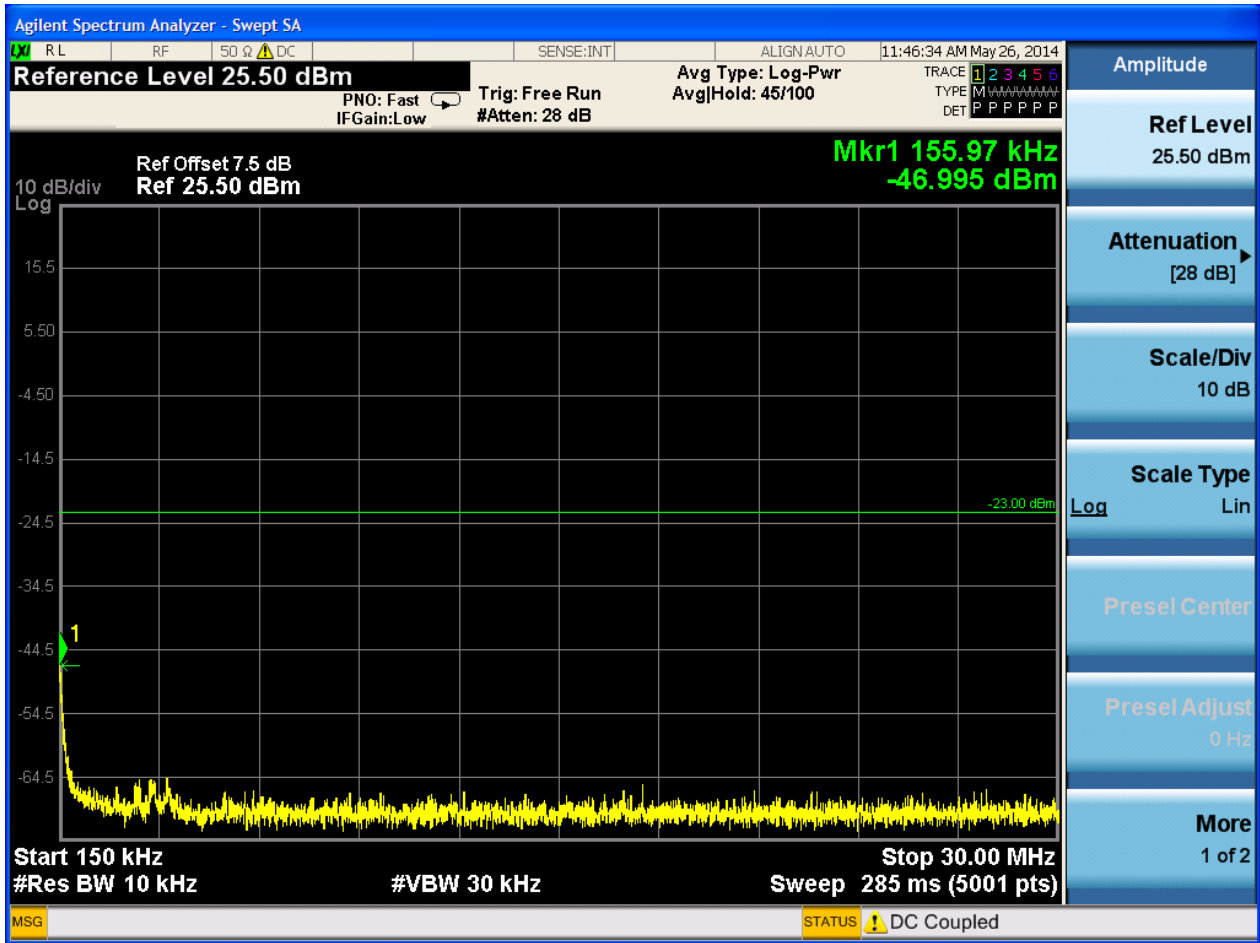




5.1.1.1.3.2 Test Channel = MCH

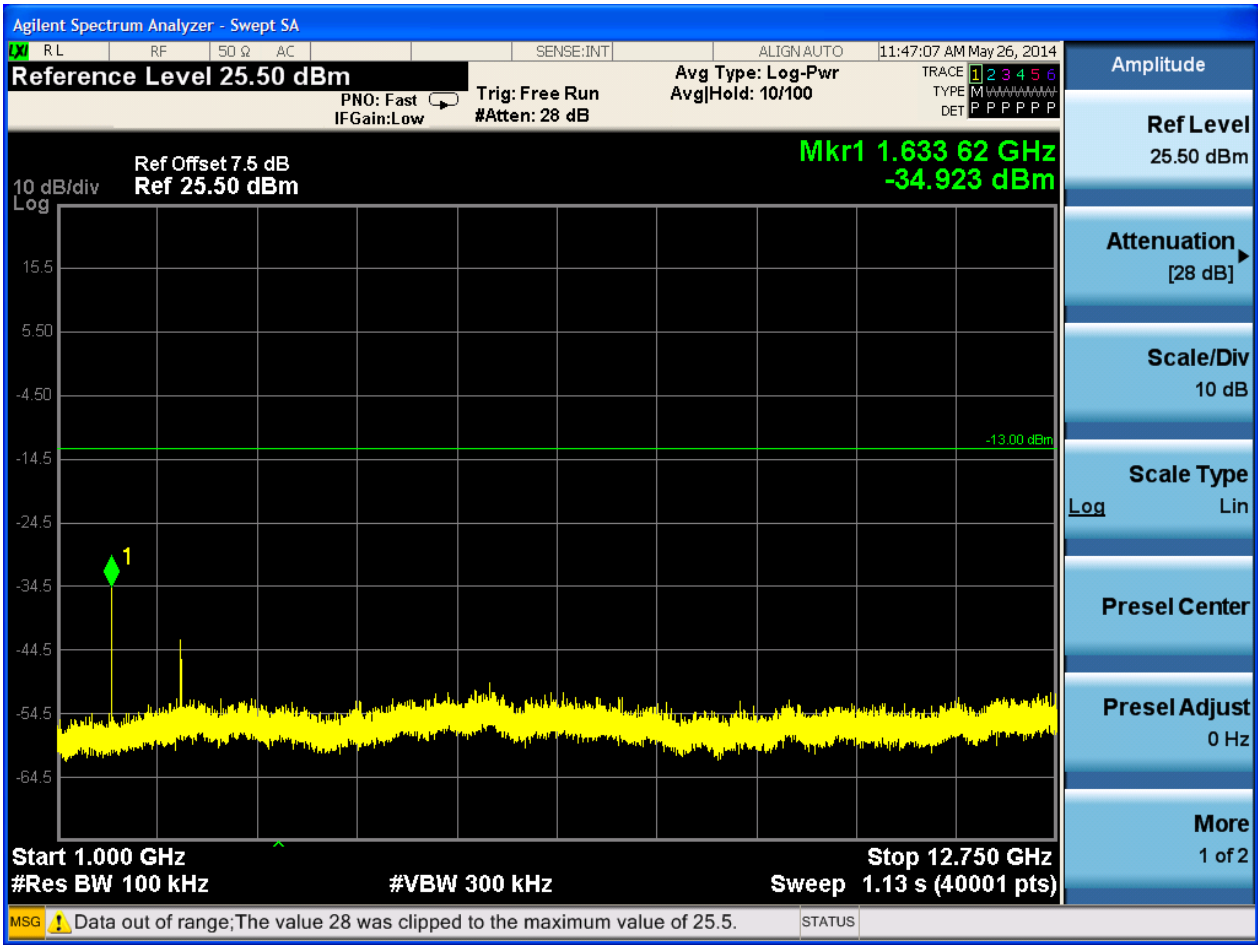
5.1.1.1.3.2.1 Test RB = RB1#0







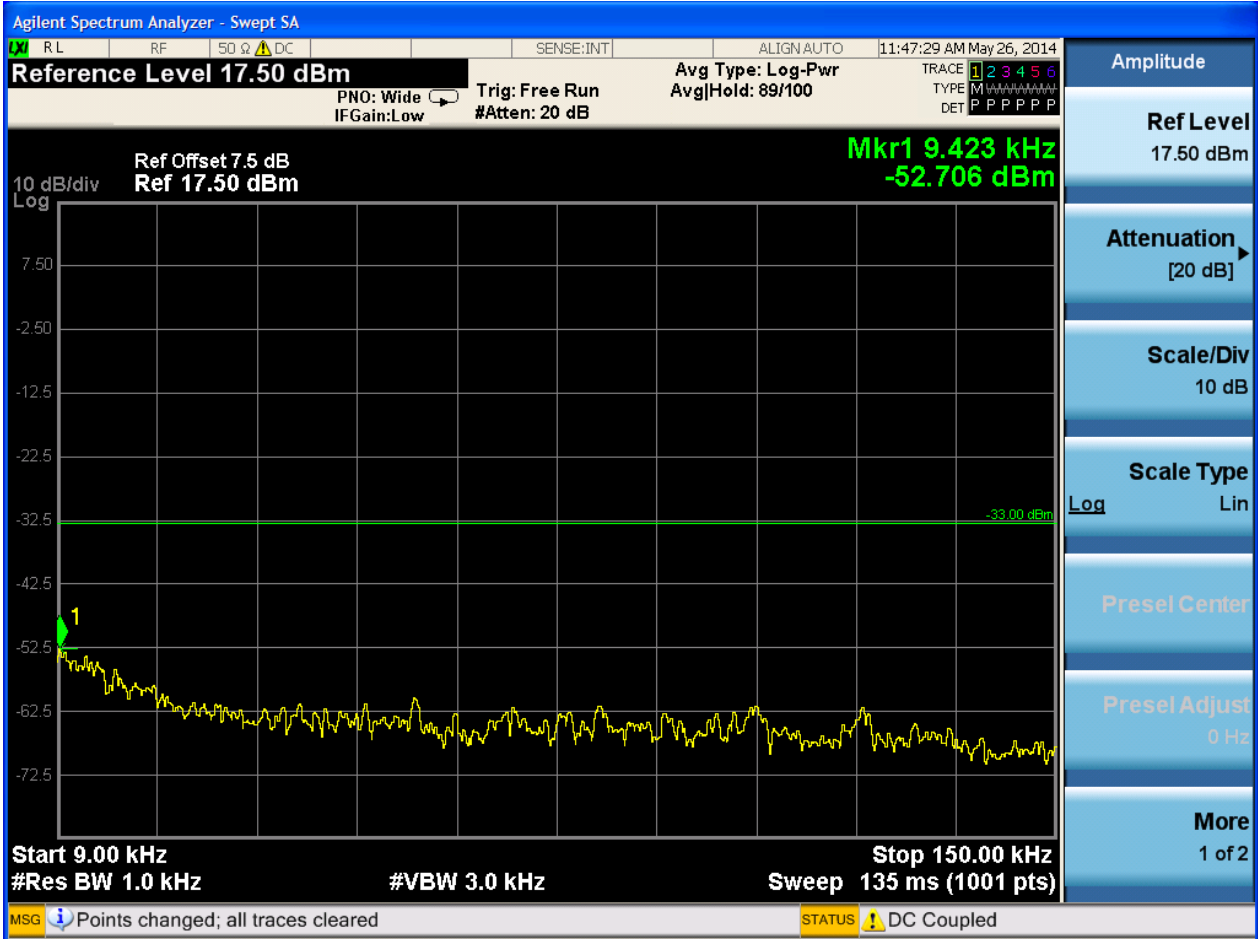


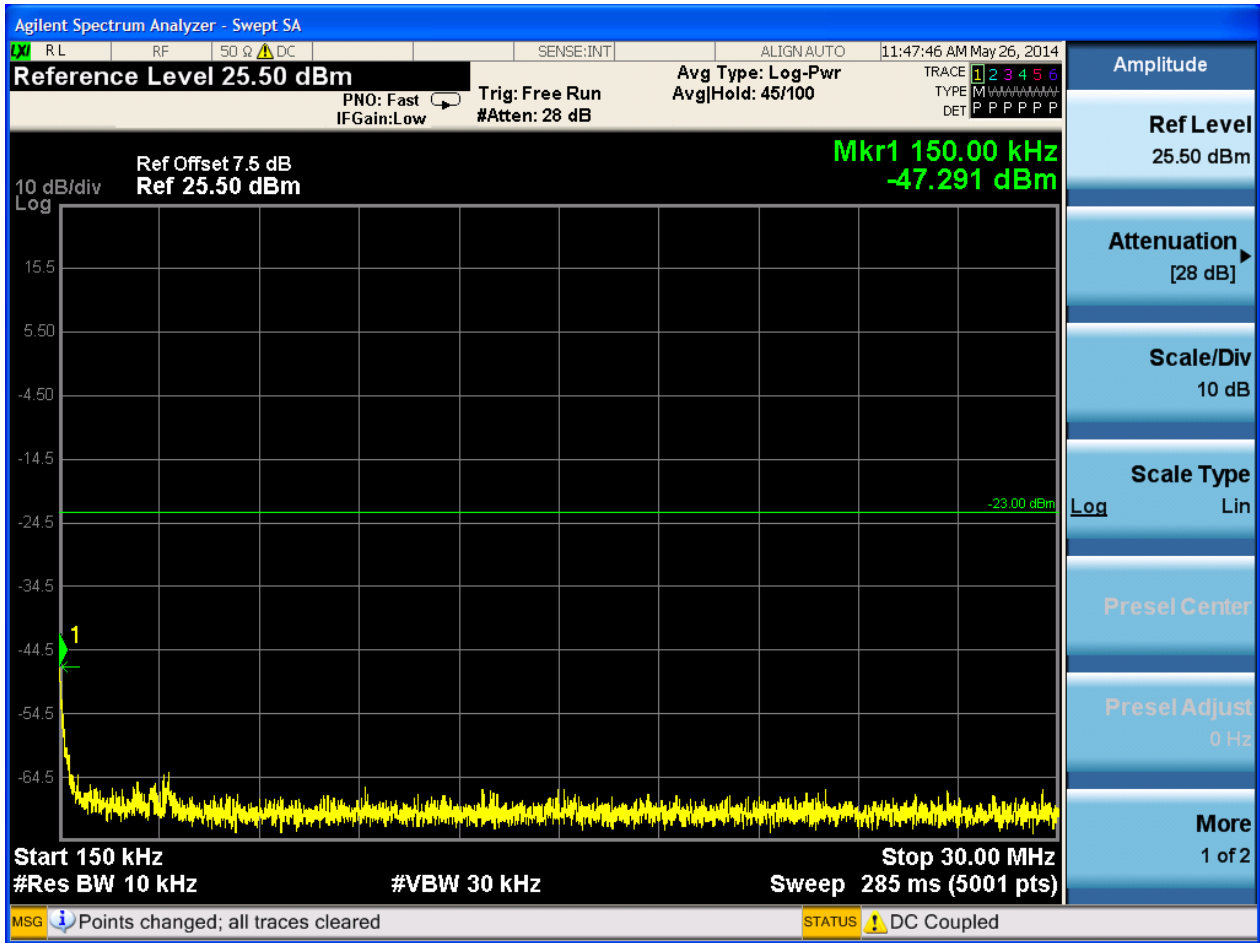


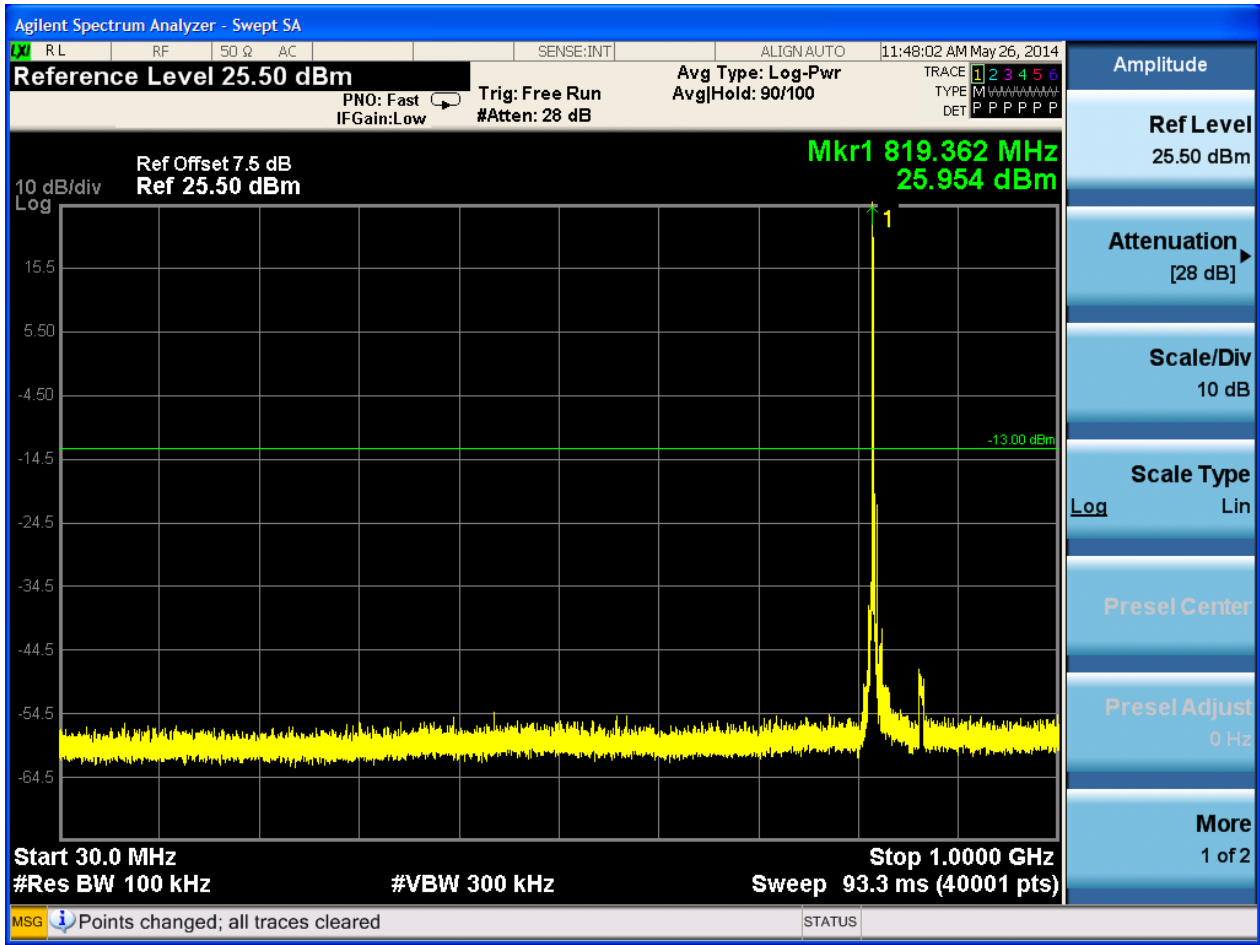


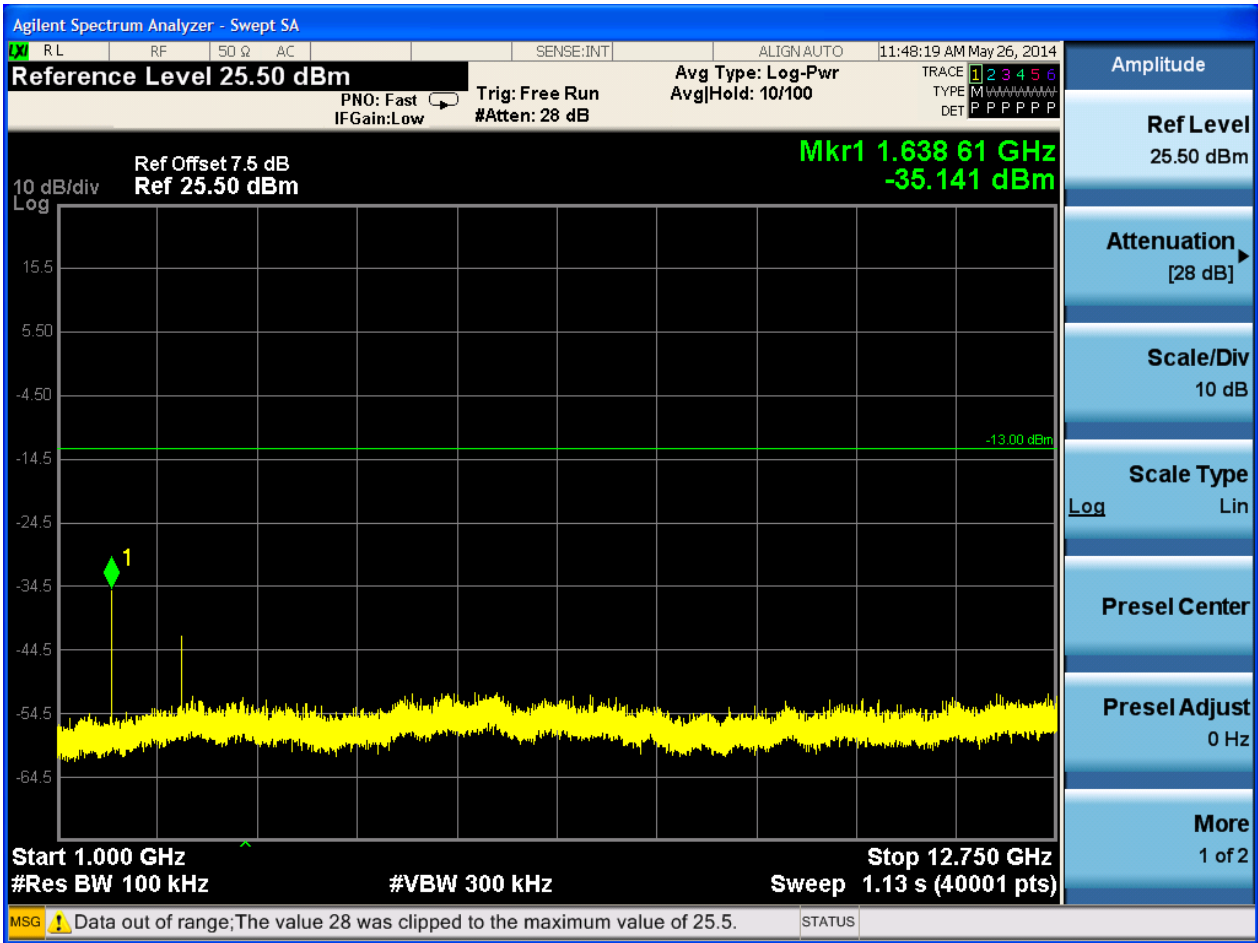
5.1.1.1.3.3 Test Channel = HCH

5.1.1.1.3.3.1 Test RB = RB1#0







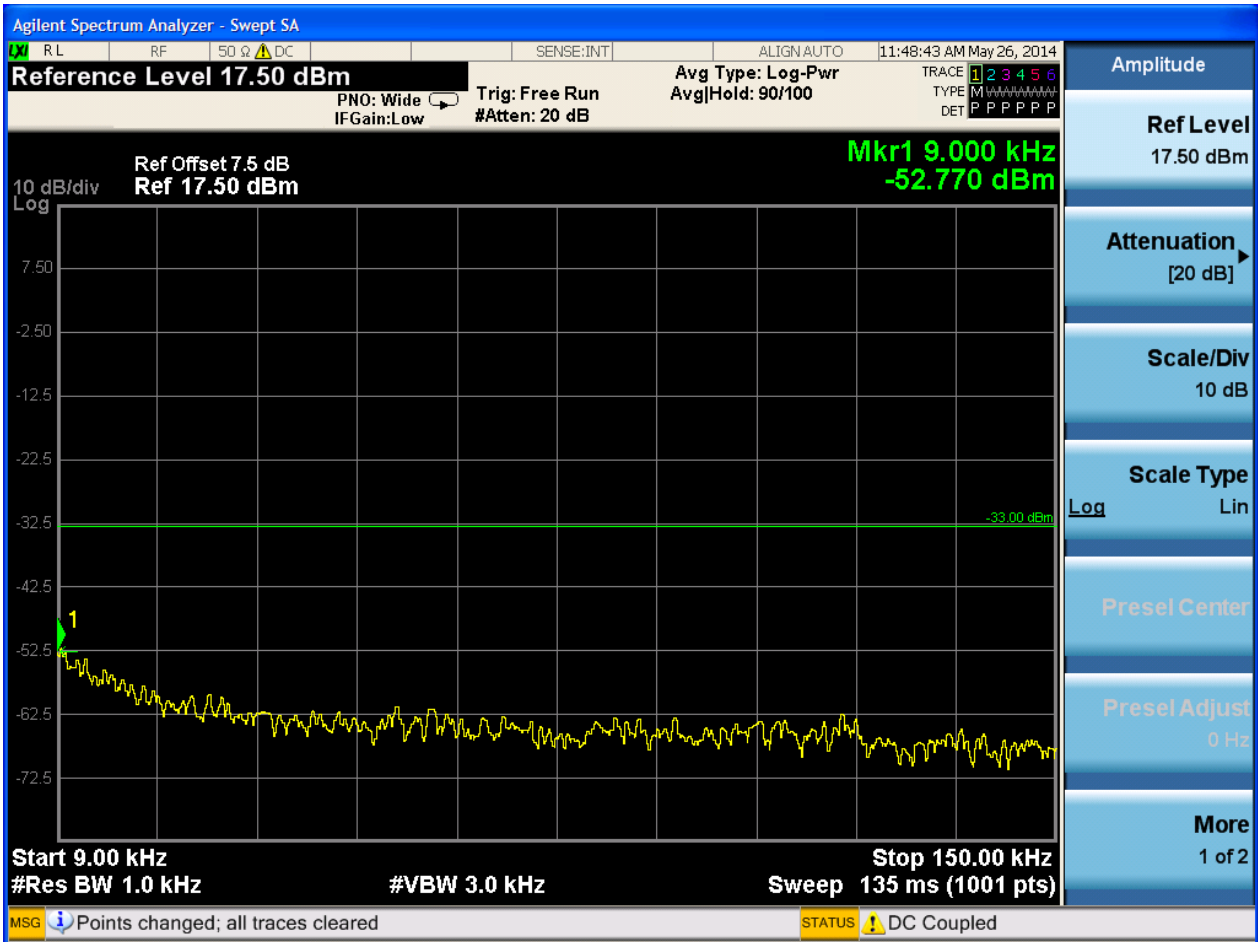




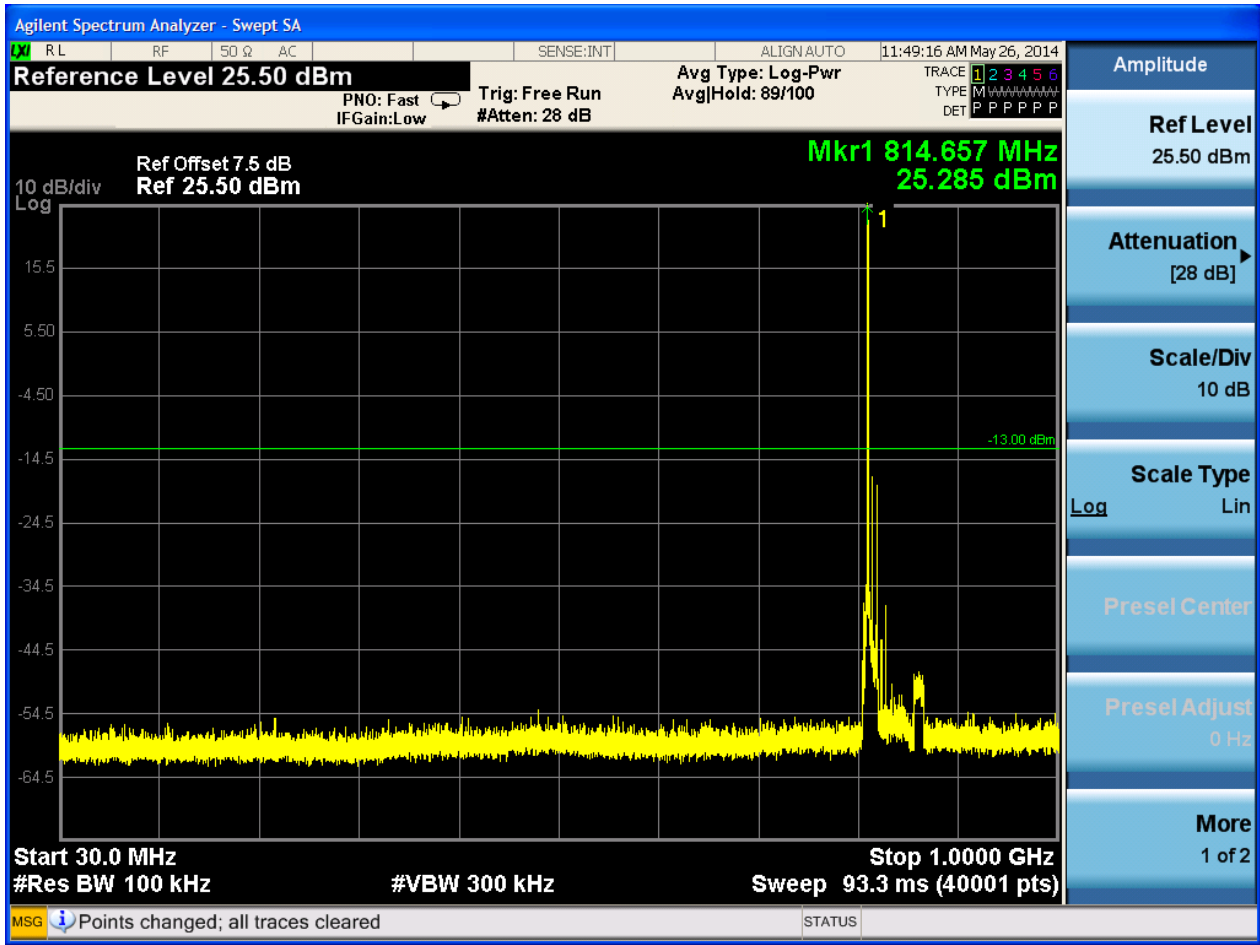
5.1.1.1.4 Test Bandwidth = 10

5.1.1.1.4.1 Test Channel = LCH/MCH/HCH

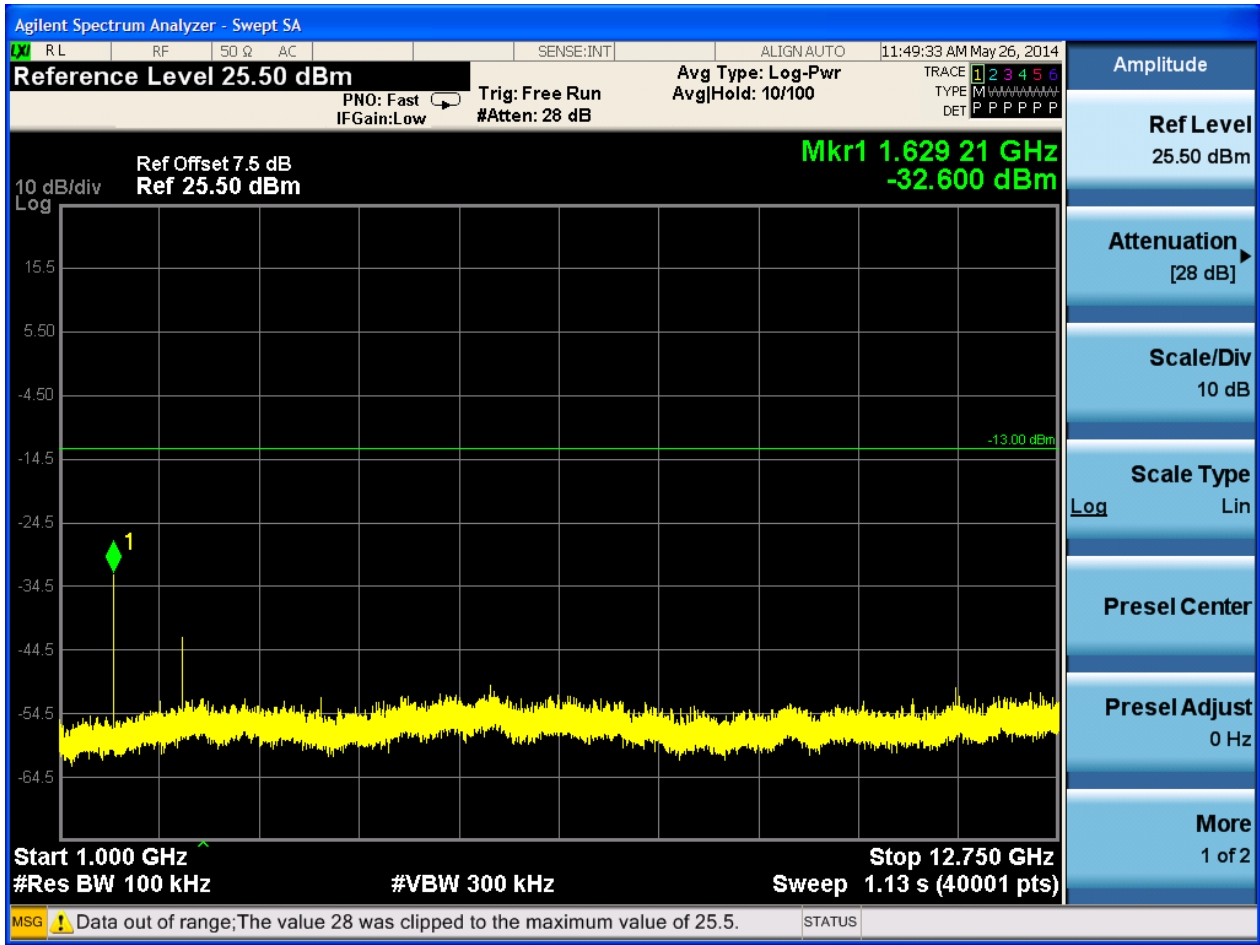
5.1.1.1.4.1.1 Test RB = RB1#0











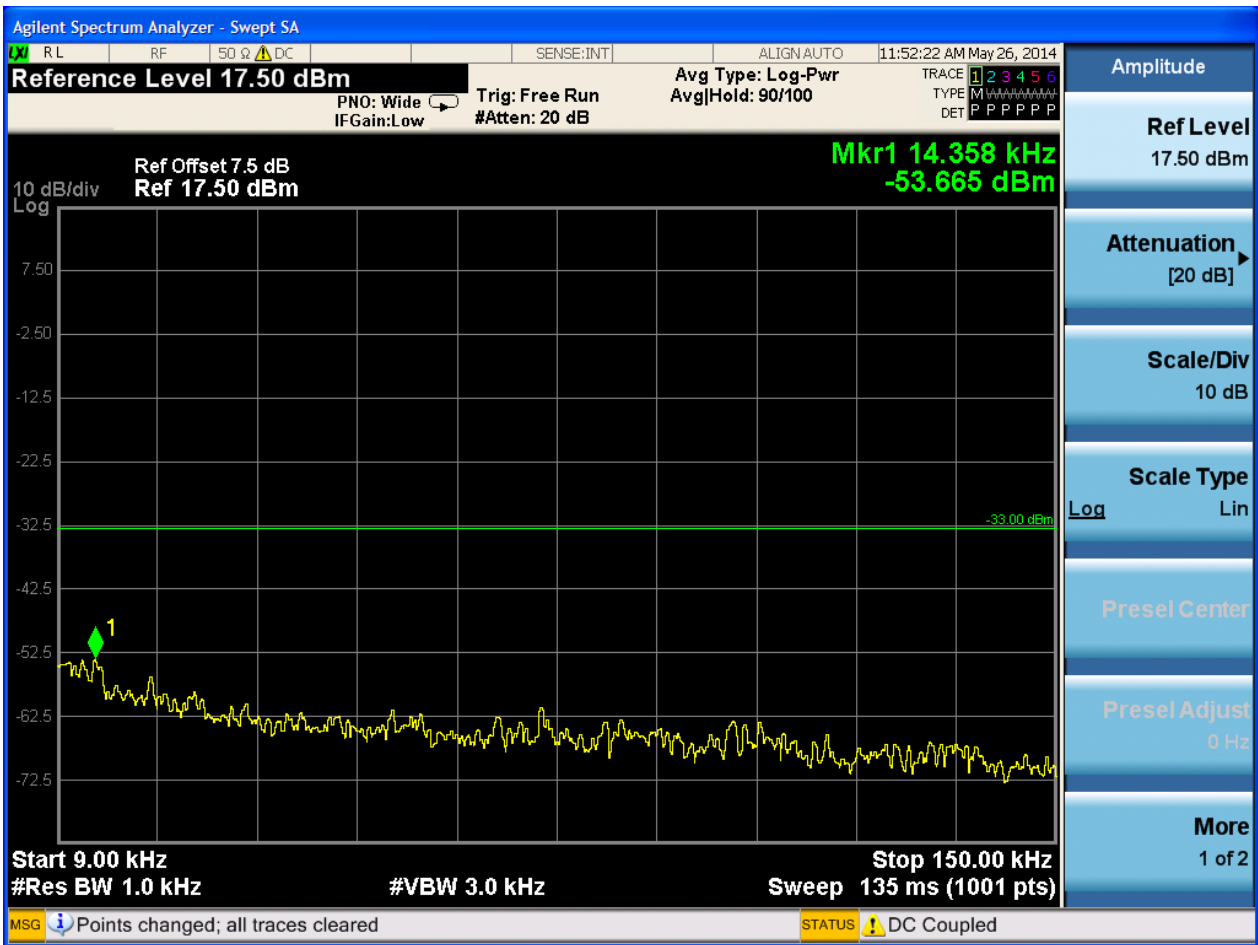


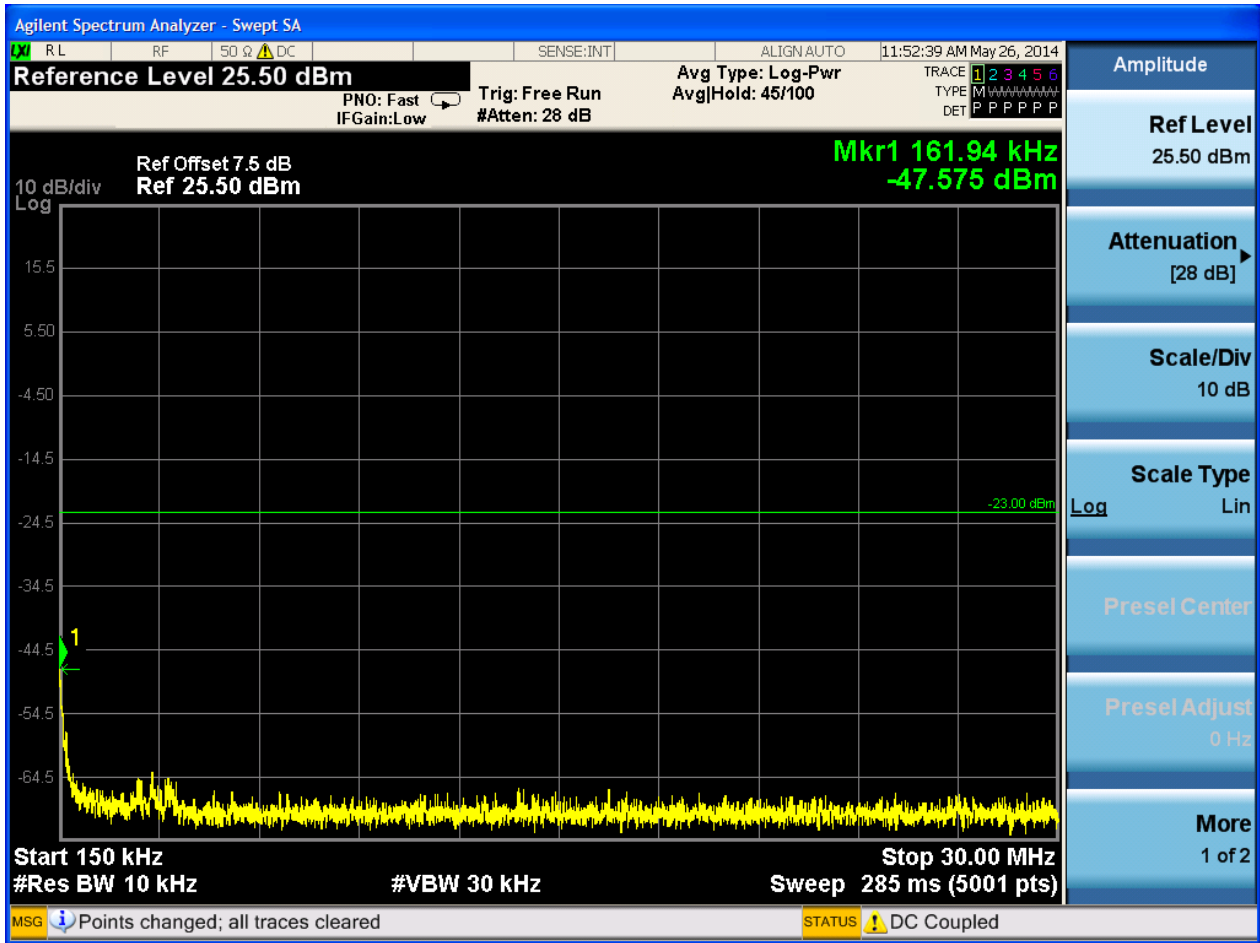
5.1.1.2 Test Mode = LTE/TM2

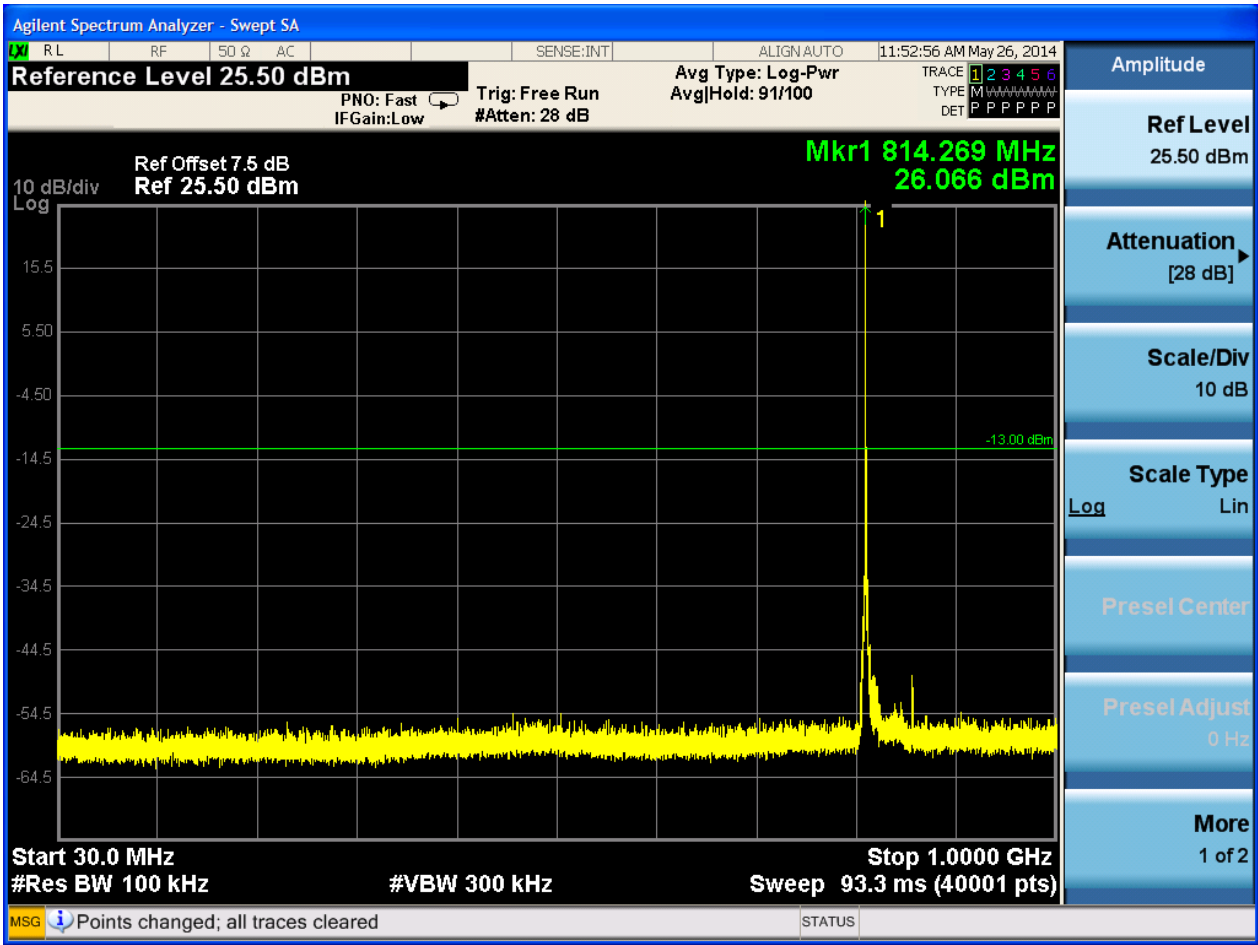
5.1.1.2.1 Test Bandwidth = 1.4

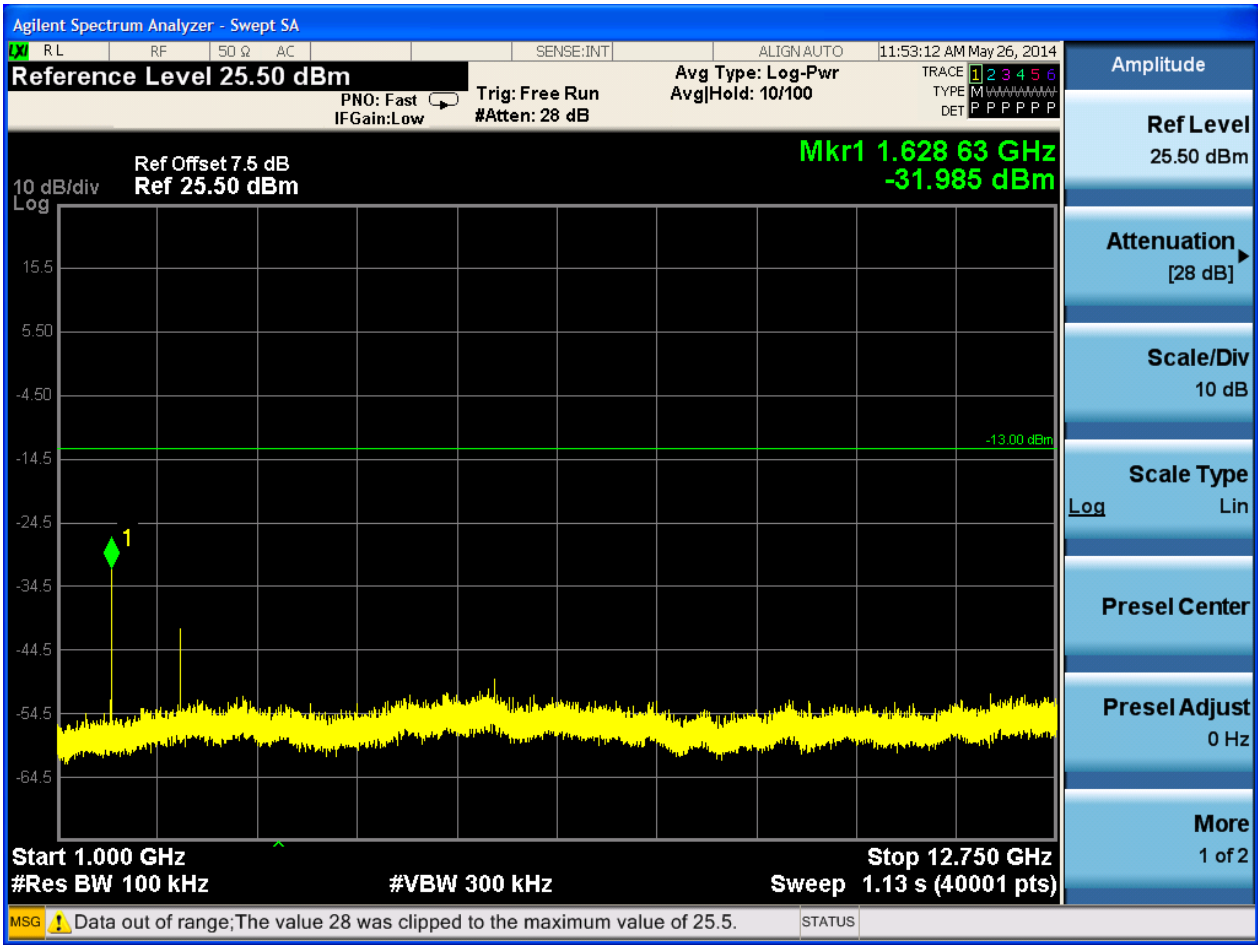
5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0





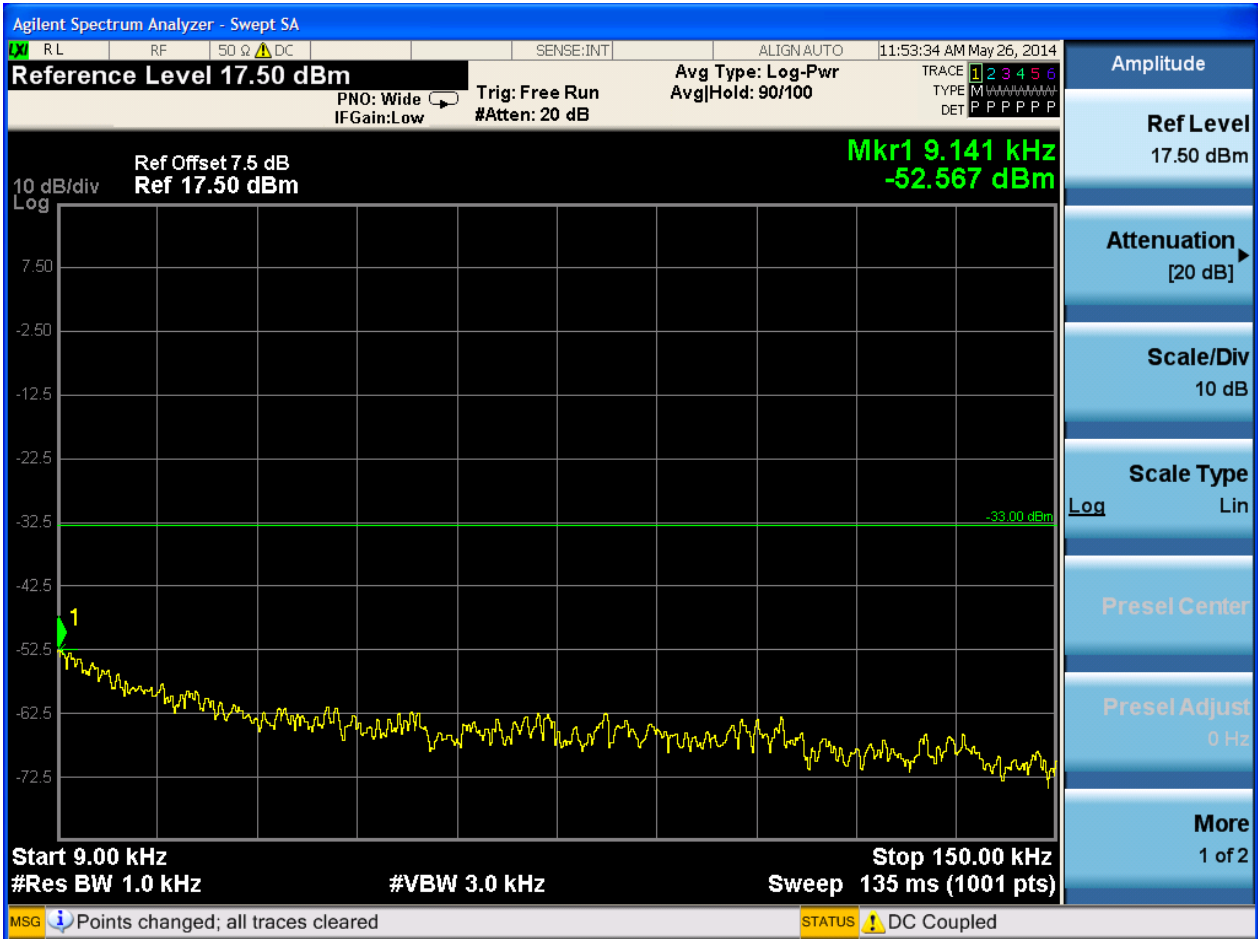


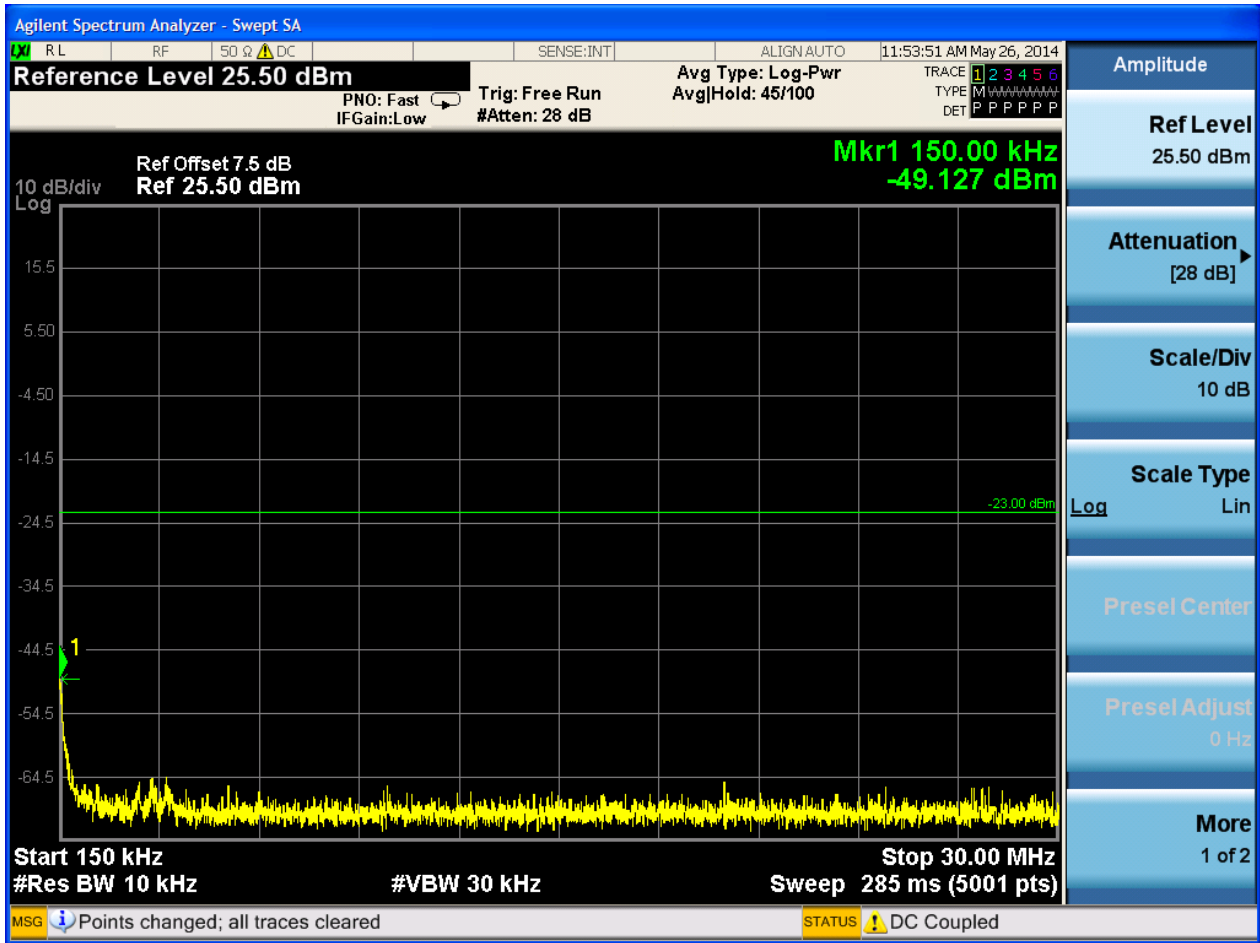


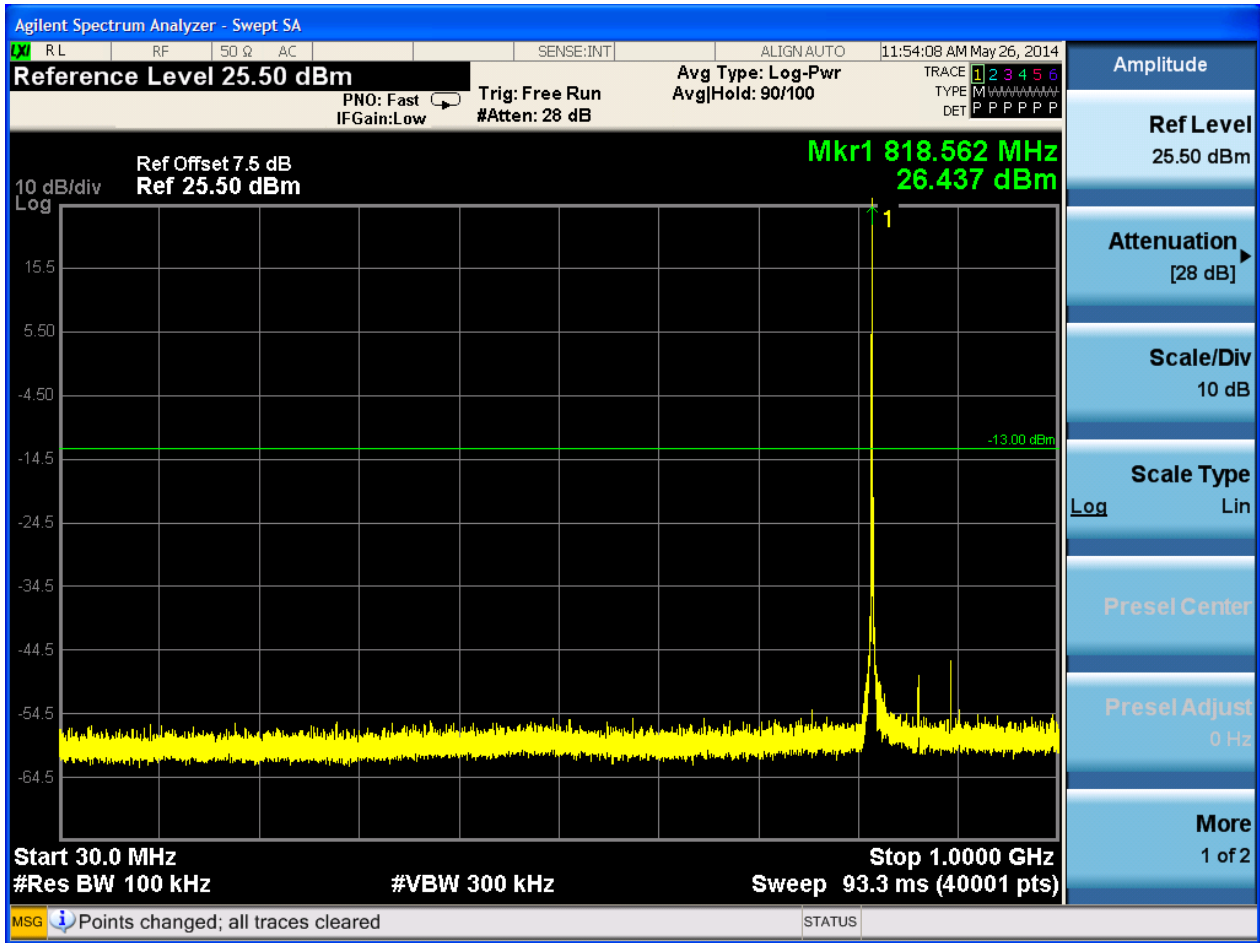


5.1.1.2.1.2 Test Channel = MCH

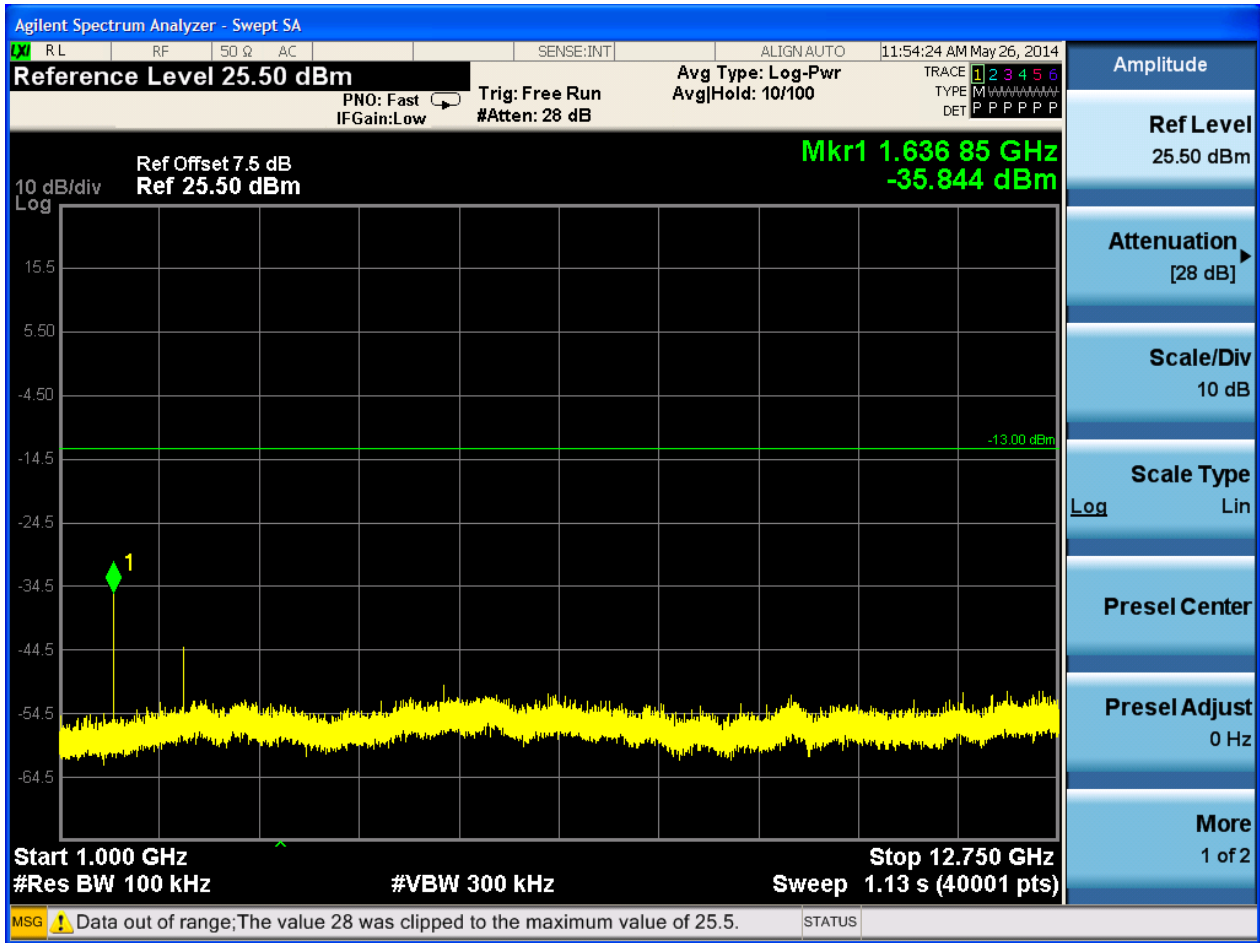
5.1.1.2.1.2.1 Test RB = RB1#0







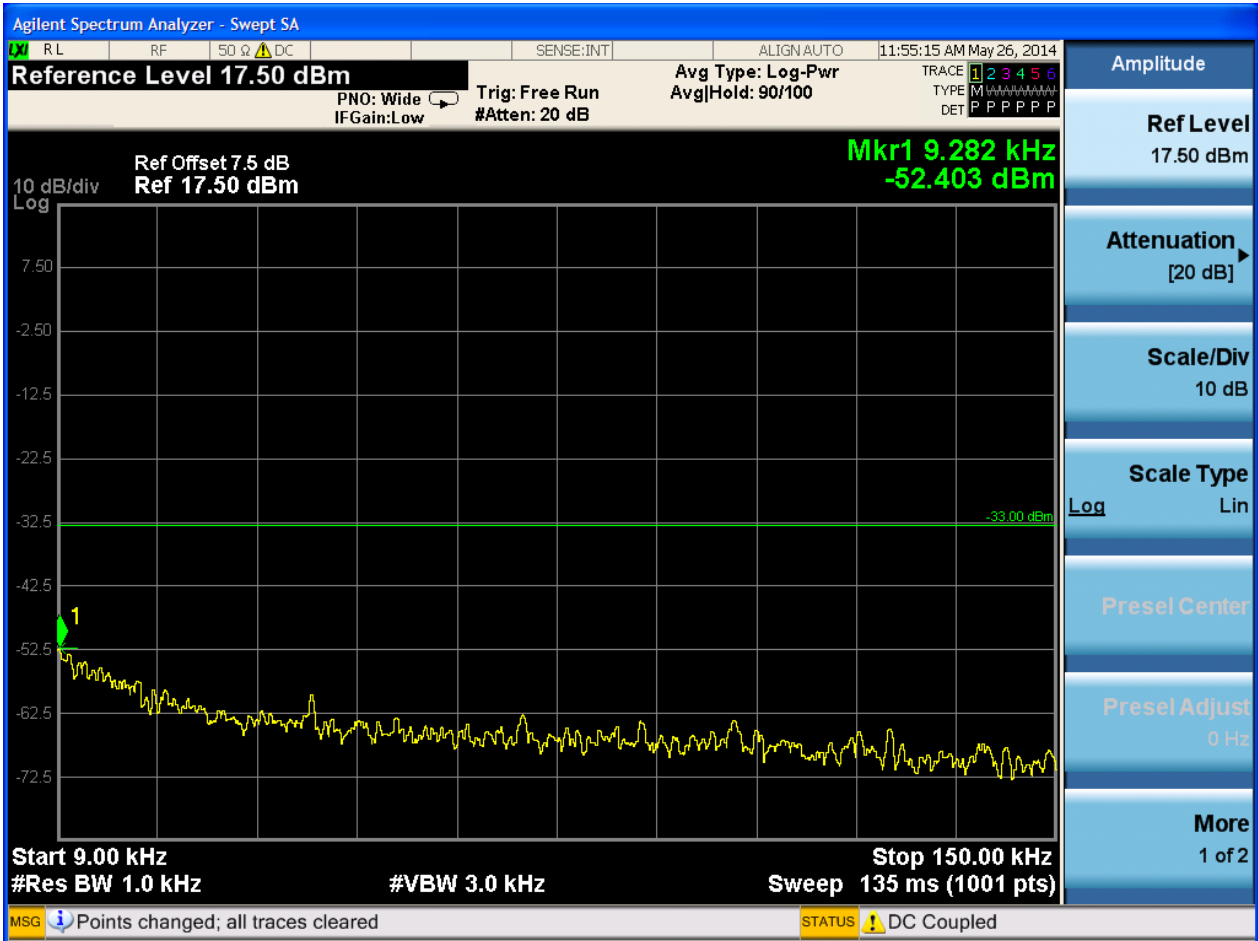




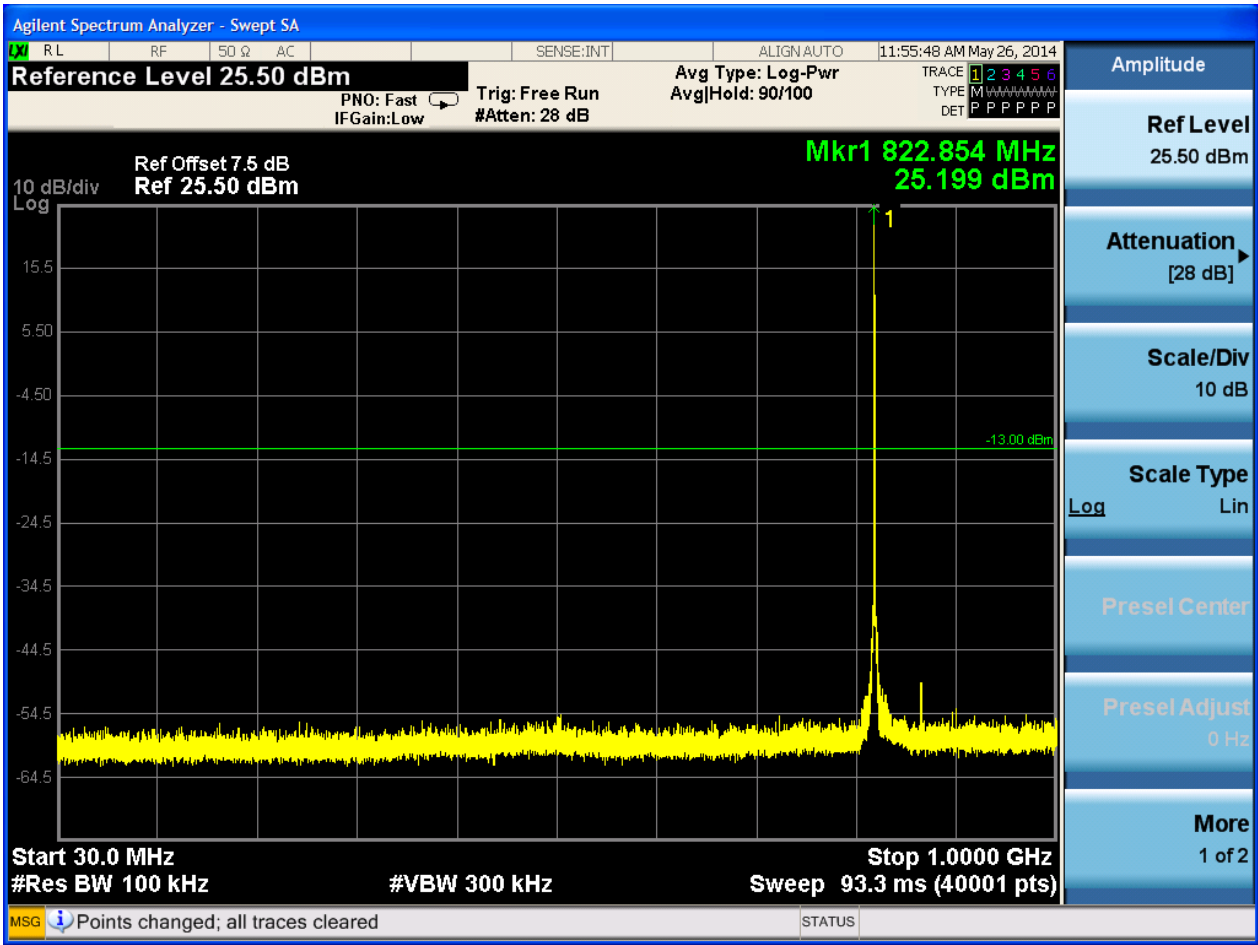


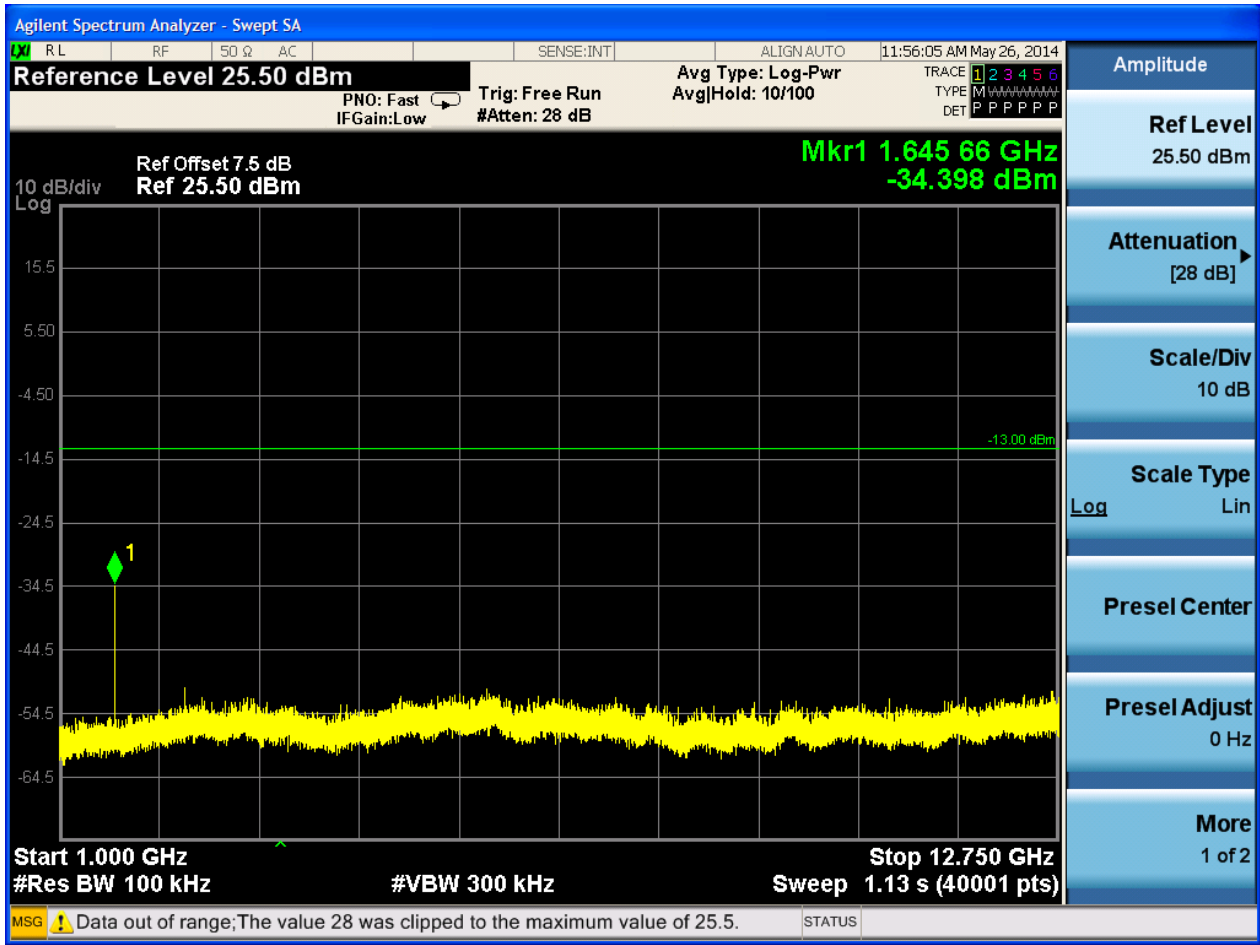
5.1.1.2.1.3 Test Channel = HCH

5.1.1.2.1.3.1 Test RB = RB1#0







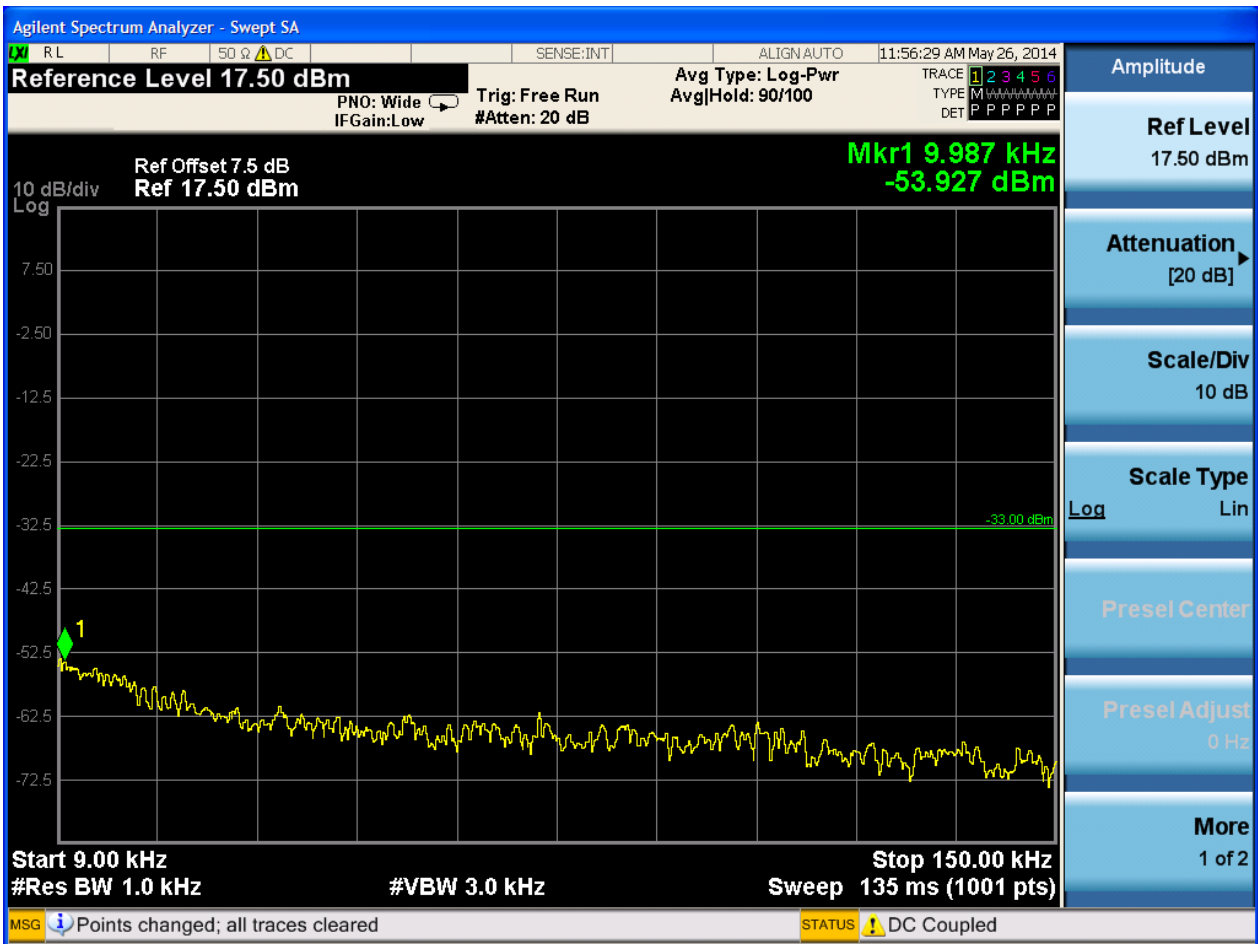




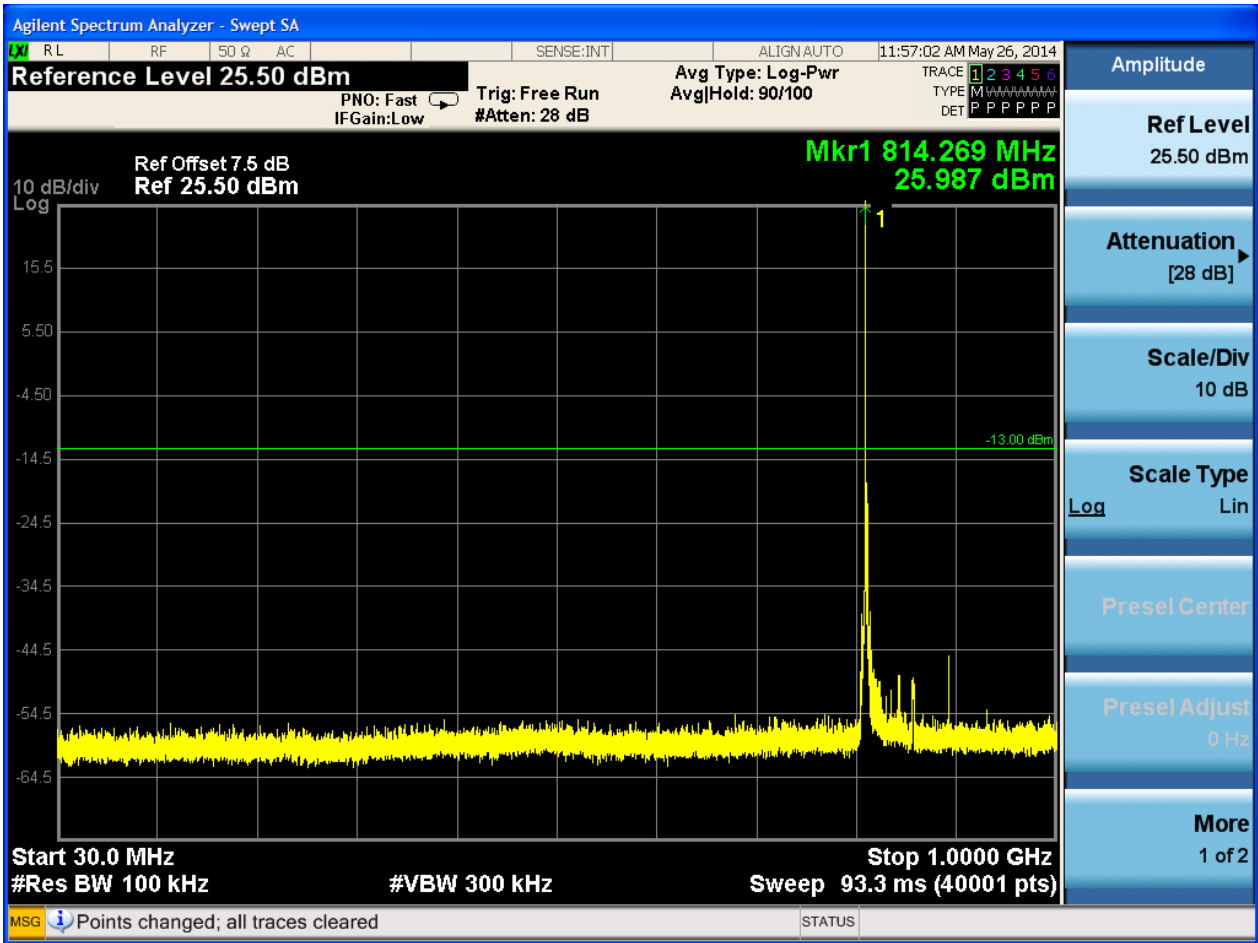
5.1.1.2.2 Test Bandwidth = 3

5.1.1.2.2.1 Test Channel = LCH

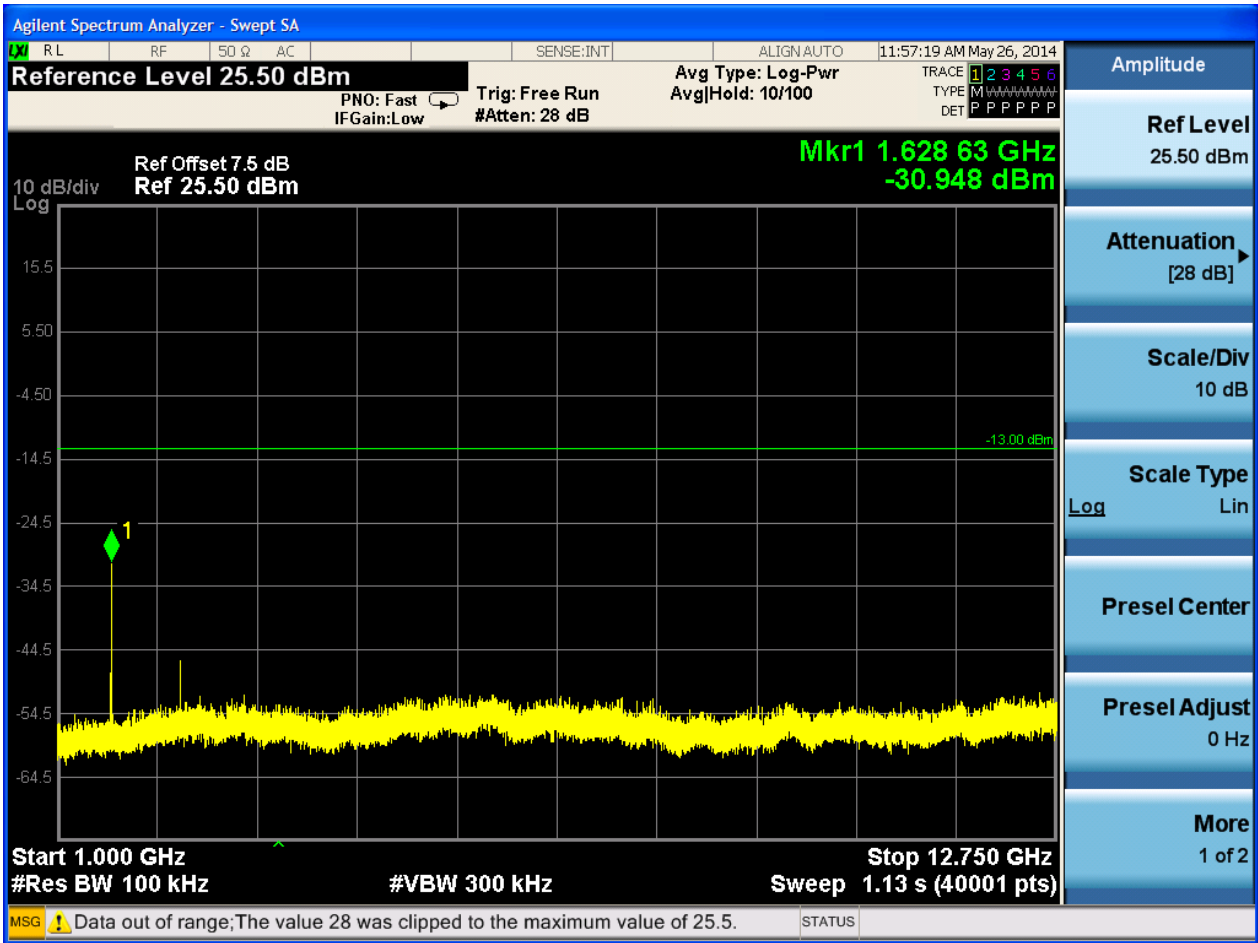
5.1.1.2.2.1.1 Test RB = RB1#0













5.1.1.2.2.2 Test Channel = MCH

5.1.1.2.2.2.1 Test RB = RB1#0

