



# Appendix for test report

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

### Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
WCDMA1900	UMTS/TM1	LCH	22.92	25.42	33	PASS
		MCH	23.25	25.75	33	PASS
		HCH	23.23	25.73	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
BAND2	LTE/TM1	1.4	LCH	RB1#0	22.76	25.26	33	PASS
				RB1#3	22.71	25.21	33	PASS
				RB1#5	22.8	25.3	33	PASS
				RB3#0	22.7	25.2	33	PASS
				RB3#2	22.8	25.3	33	PASS
				RB3#3	22.76	25.26	33	PASS
			MCH	RB6#0	21.94	24.44	33	PASS
				RB1#0	23.11	25.61	33	PASS
				RB1#3	23.2	25.7	33	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#5	23.12	25.62	33	PASS
				RB3#0	23.2	25.7	33	PASS
				RB3#2	23.23	25.73	33	PASS
				RB3#3	23.13	25.63	33	PASS
				RB6#0	22.22	24.72	33	PASS
			HCH	RB1#0	23.42	25.92	33	PASS
				RB1#3	23.26	25.76	33	PASS
				RB1#5	23.16	25.66	33	PASS
				RB3#0	23.36	25.86	33	PASS
				RB3#2	23.29	25.79	33	PASS
		3	LCH	RB3#3	23.28	25.78	33	PASS
				RB6#0	22.34	24.84	33	PASS
				RB1#0	22.67	25.17	33	PASS
				RB1#7	22.83	25.33	33	PASS
				RB1#14	22.89	25.39	33	PASS
		RB8#0	21.89	24.39	33	PASS		
		RB8#4	22	24.5	33	PASS		

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#7	22.04	24.54	33	PASS
				RB15#0	21.91	24.41	33	PASS
			MCH	RB1#0	23.13	25.63	33	PASS
				RB1#7	23.13	25.63	33	PASS
				RB1#14	22.98	25.48	33	PASS
				RB8#0	22.24	24.74	33	PASS
				RB8#4	22.17	24.67	33	PASS
				RB8#7	22.31	24.81	33	PASS
				RB15#0	22.28	24.78	33	PASS
				HCH	RB1#0	23.57	26.07	33
			RB1#7		23.4	25.9	33	PASS
			RB1#14		23.2	25.7	33	PASS
			RB8#0		22.62	25.12	33	PASS
			RB8#4		22.42	24.92	33	PASS
			RB8#7		22.31	24.81	33	PASS
			RB15#0		22.38	24.88	33	PASS
		5	LCH	RB1#0	22.73	25.23	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#13	22.85	25.35	33	PASS
				RB1#24	22.76	25.26	33	PASS
				RB12#0	21.94	24.44	33	PASS
				RB12#6	21.99	24.49	33	PASS
				RB12#13	22	24.5	33	PASS
				RB25#0	22.01	24.51	33	PASS
			MCH	RB1#0	23.01	25.51	33	PASS
				RB1#13	23.15	25.65	33	PASS
				RB1#24	23.13	25.63	33	PASS
				RB12#0	22.35	24.85	33	PASS
				RB12#6	22.36	24.86	33	PASS
				RB12#13	22.29	24.79	33	PASS
				RB25#0	22.32	24.82	33	PASS
			HCH	RB1#0	23.44	25.94	33	PASS
				RB1#13	23.53	26.03	33	PASS
				RB1#24	23.18	25.68	33	PASS
				RB12#0	22.56	25.06	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict	
				RB12#6	22.61	25.11	33	PASS	
				RB12#13	22.46	24.96	33	PASS	
				RB25#0	22.54	25.04	33	PASS	
		10	LCH	RB1#0	22.99	25.49	33	PASS	
				RB1#25	23.1	25.6	33	PASS	
				RB1#49	23.18	25.68	33	PASS	
				RB25#0	22.22	24.72	33	PASS	
				RB25#13	22.13	24.63	33	PASS	
				RB25#25	22.2	24.7	33	PASS	
				RB50#0	22.18	24.68	33	PASS	
				MCH	RB1#0	23	25.5	33	PASS
					RB1#25	23.17	25.67	33	PASS
					RB1#49	23.15	25.65	33	PASS
					RB25#0	22.24	24.74	33	PASS
					RB25#13	22.24	24.74	33	PASS
RB25#25	22.22	24.72	33		PASS				
RB50#0	22.16	24.66	33		PASS				

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	23.19	25.69	33	PASS
				RB1#25	23.35	25.85	33	PASS
				RB1#49	23.16	25.66	33	PASS
				RB25#0	22.43	24.93	33	PASS
				RB25#13	22.45	24.95	33	PASS
				RB25#25	22.47	24.97	33	PASS
				RB50#0	22.44	24.94	33	PASS
		15	LCH	RB1#0	22.9	25.4	33	PASS
				RB1#38	22.98	25.48	33	PASS
				RB1#74	23.06	25.56	33	PASS
				RB38#0	22.13	24.63	33	PASS
				RB38#19	22.14	24.64	33	PASS
				RB38#39	22.1	24.6	33	PASS
				RB75#0	22.16	24.66	33	PASS
			MCH	RB1#0	23.22	25.72	33	PASS
				RB1#38	23.19	25.69	33	PASS
				RB1#74	23.08	25.58	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict	
				RB38#0	22.21	24.71	33	PASS	
				RB38#19	22.19	24.69	33	PASS	
				RB38#39	22.22	24.72	33	PASS	
				RB75#0	22.22	24.72	33	PASS	
			HCH	RB1#0	23.26	25.76	33	PASS	
				RB1#38	23.18	25.68	33	PASS	
				RB1#74	23.15	25.65	33	PASS	
				RB38#0	22.26	24.76	33	PASS	
				RB38#19	22.27	24.77	33	PASS	
				RB38#39	22.48	24.98	33	PASS	
				RB75#0	22.38	24.88	33	PASS	
				20	LCH	RB1#0	22.93	25.43	33
			RB1#50			23.04	25.54	33	PASS
			RB1#99			23.2	25.7	33	PASS
		RB50#0	22.04			24.54	33	PASS	
		RB50#25	22.06			24.56	33	PASS	
		RB50#50	22.22			24.72	33	PASS	



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB100#0	22.12	24.62	33	PASS
			MCH	RB1#0	23.28	25.78	33	PASS
				RB1#50	23.16	25.66	33	PASS
				RB1#99	23.02	25.52	33	PASS
				RB50#0	22.25	24.75	33	PASS
				RB50#25	22.2	24.7	33	PASS
				RB50#50	22.18	24.68	33	PASS
				RB100#0	22.22	24.72	33	PASS
				HCH	RB1#0	23.12	25.62	33
			RB1#50		23.13	25.63	33	PASS
			RB1#99		23.25	25.75	33	PASS
			RB50#0		22.25	24.75	33	PASS
			RB50#25		22.22	24.72	33	PASS
			RB50#50		22.44	24.94	33	PASS
			RB100#0		22.37	24.87	33	PASS
LTE/TM2	1.4	LCH	RB1#0	21.9	24.4	33	PASS	
			RB1#3	21.99	24.49	33	PASS	

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#5	22.07	24.57	33	PASS
				RB3#0	21.99	24.49	33	PASS
				RB3#2	22.02	24.52	33	PASS
				RB3#3	21.96	24.46	33	PASS
				RB6#0	21.23	23.73	33	PASS
			MCH	RB1#0	22.28	24.78	33	PASS
			MCH	RB1#3	22.27	24.77	33	PASS
			MCH	RB1#5	22.26	24.76	33	PASS
			MCH	RB3#0	22.26	24.76	33	PASS
			MCH	RB3#2	22.21	24.71	33	PASS
			MCH	RB3#3	22.2	24.7	33	PASS
			MCH	RB6#0	21.45	23.95	33	PASS
			HCH	RB1#0	22.22	24.72	33	PASS
			HCH	RB1#3	22.14	24.64	33	PASS
			HCH	RB1#5	22.06	24.56	33	PASS
			HCH	RB3#0	22.15	24.65	33	PASS
			HCH	RB3#2	22.11	24.61	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB3#3	22.03	24.53	33	PASS
				RB6#0	21.27	23.77	33	PASS
		3	LCH	RB1#0	22.08	24.58	33	PASS
				RB1#7	22.18	24.68	33	PASS
				RB1#14	22.16	24.66	33	PASS
				RB8#0	21.15	23.65	33	PASS
				RB8#4	21.28	23.78	33	PASS
				RB8#7	21.25	23.75	33	PASS
				RB15#0	21.25	23.75	33	PASS
				MCH	RB1#0	22.37	24.87	33
			RB1#7		22.37	24.87	33	PASS
			RB1#14		22.3	24.8	33	PASS
			RB8#0		21.42	23.92	33	PASS
			RB8#4		21.51	24.01	33	PASS
			RB8#7		21.38	23.88	33	PASS
			RB15#0		21.38	23.88	33	PASS
		HCH	RB1#0	22.32	24.82	33	PASS	

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict	
				RB1#7	22.19	24.69	33	PASS	
				RB1#14	22.04	24.54	33	PASS	
				RB8#0	21.68	24.18	33	PASS	
				RB8#4	21.57	24.07	33	PASS	
				RB8#7	21.51	24.01	33	PASS	
				RB15#0	21.6	24.1	33	PASS	
		5	LCH	RB1#0	21.75	24.25	33	PASS	
				RB1#13	21.94	24.44	33	PASS	
				RB1#24	21.93	24.43	33	PASS	
				RB12#0	21.28	23.78	33	PASS	
				RB12#6	21.31	23.81	33	PASS	
				RB12#13	21.35	23.85	33	PASS	
				RB25#0	21.28	23.78	33	PASS	
				MCH	RB1#0	21.92	24.42	33	PASS
					RB1#13	22.09	24.59	33	PASS
					RB1#24	21.92	24.42	33	PASS
RB12#0	21.4	23.9	33		PASS				

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#6	21.44	23.94	33	PASS
				RB12#13	21.33	23.83	33	PASS
				RB25#0	21.38	23.88	33	PASS
			HCH	RB1#0	22.43	24.93	33	PASS
				RB1#13	22.46	24.96	33	PASS
				RB1#24	22.13	24.63	33	PASS
				RB12#0	21.74	24.24	33	PASS
				RB12#6	21.67	24.17	33	PASS
				RB12#13	21.48	23.98	33	PASS
		RB25#0	21.7	24.2	33	PASS		
		10	LCH	RB1#0	22.09	24.59	33	PASS
				RB1#25	22.25	24.75	33	PASS
				RB1#49	22.28	24.78	33	PASS
				RB25#0	21.21	23.71	33	PASS
				RB25#13	21.15	23.65	33	PASS
RB25#25	21.23			23.73	33	PASS		
RB50#0	21.19	23.69	33	PASS				

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	22.26	24.76	33	PASS
				RB1#25	22.44	24.94	33	PASS
				RB1#49	22.26	24.76	33	PASS
				RB25#0	21.21	23.71	33	PASS
				RB25#13	21.18	23.68	33	PASS
				RB25#25	21.2	23.7	33	PASS
				RB50#0	21.28	23.78	33	PASS
			HCH	RB1#0	22.1	24.6	33	PASS
				RB1#25	22.29	24.79	33	PASS
				RB1#49	22	24.5	33	PASS
				RB25#0	21.37	23.87	33	PASS
				RB25#13	21.49	23.99	33	PASS
				RB25#25	21.55	24.05	33	PASS
				RB50#0	21.53	24.03	33	PASS
		15	LCH	RB1#0	22.13	24.63	33	PASS
				RB1#38	22.25	24.75	33	PASS
				RB1#74	22.42	24.92	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB38#0	21.27	23.77	33	PASS
				RB38#19	21.29	23.79	33	PASS
				RB38#39	21.27	23.77	33	PASS
				RB75#0	21.18	23.68	33	PASS
			MCH	RB1#0	22.41	24.91	33	PASS
			MCH	RB1#38	22.28	24.78	33	PASS
			MCH	RB1#74	22.26	24.76	33	PASS
			MCH	RB38#0	21.12	23.62	33	PASS
			MCH	RB38#19	21.34	23.84	33	PASS
			MCH	RB38#39	21.31	23.81	33	PASS
			MCH	RB75#0	21.23	23.73	33	PASS
			HCH	RB1#0	22.25	24.75	33	PASS
			HCH	RB1#38	22.18	24.68	33	PASS
			HCH	RB1#74	22.21	24.71	33	PASS
			HCH	RB38#0	21.35	23.85	33	PASS
			HCH	RB38#19	21.4	23.9	33	PASS
			HCH	RB38#39	21.46	23.96	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB75#0	21.49	23.99	33	PASS
		20	LCH	RB1#0	22.37	24.87	33	PASS
				RB1#50	22.56	25.06	33	PASS
				RB1#99	22.67	25.17	33	PASS
				RB50#0	21.31	23.81	33	PASS
				RB50#25	21.34	23.84	33	PASS
				RB50#50	21.33	23.83	33	PASS
				RB100#0	21.37	23.87	33	PASS
				MCH	RB1#0	22.59	25.09	33
			RB1#50		22.42	24.92	33	PASS
			RB1#99		22.29	24.79	33	PASS
			RB50#0		21.22	23.72	33	PASS
			RB50#25		21.18	23.68	33	PASS
			RB50#50		21.21	23.71	33	PASS
			RB100#0		21.29	23.79	33	PASS
			HCH	RB1#0	22.4	24.9	33	PASS
				RB1#50	22.42	24.92	33	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#99	22.43	24.93	33	PASS
				RB50#0	21.34	23.84	33	PASS
				RB50#25	21.41	23.91	33	PASS
				RB50#50	21.55	24.05	33	PASS
				RB100#0	21.53	24.03	33	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: RBW > emission bandwidth, VBW > 3 x RBW.

Detector: RMS



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

### Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
WCDMA1900	UMTS/TM1	LCH	3.43	13	PASS
		MCH	3.91	13	PASS
		HCH	3.8	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict		
BAND2	LTE/TM1	1.4	LCH	RB1#0	3.9	13	PASS		
				RB1#3	3.73	13	PASS		
				RB1#5	3.76	13	PASS		
				RB3#0	4.49	13	PASS		
				RB3#2	4.43	13	PASS		
				RB3#3	4.55	13	PASS		
			MCH	RB6#0	6.2	13	PASS		
				RB1#0	5.01	13	PASS		
				RB1#3	4.86	13	PASS		
				RB1#5	5	13	PASS		
				RB3#0	5.86	13	PASS		
				RB3#2	5.85	13	PASS		
			HCH	RB3#3	5.98	13	PASS		
				RB6#0	6.44	13	PASS		
				RB1#0	4.99	13	PASS		
				RB1#3	4.83	13	PASS		
				RB1#5	4.86	13	PASS		
				RB3#0	5.23	13	PASS		
		3	LCH	RB3#2	5.24	13	PASS		
				RB3#3	5.3	13	PASS		
				RB6#0	6.15	13	PASS		
				RB1#0	3.99	13	PASS		
				RB1#7	3.76	13	PASS		
					LCH	RB1#14	3.67	13	PASS
						RB8#0	5.38	13	PASS
				RB8#4	5.27	13	PASS		

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#7	5.48	13	PASS
				RB15#0	5.83	13	PASS
			MCH	RB1#0	5.2	13	PASS
				RB1#7	4.96	13	PASS
				RB1#14	5.06	13	PASS
				RB8#0	6.37	13	PASS
				RB8#4	6.15	13	PASS
				RB8#7	6.22	13	PASS
			RB15#0	5.77	13	PASS	
			HCH	RB1#0	4.96	13	PASS
				RB1#7	4.78	13	PASS
				RB1#14	4.9	13	PASS
				RB8#0	6.18	13	PASS
				RB8#4	6.35	13	PASS
		RB8#7		6.33	13	PASS	
		RB15#0	6.33	13	PASS		
		5	LCH	RB1#0	4.1	13	PASS
				RB1#13	3.61	13	PASS
				RB1#24	3.76	13	PASS
				RB12#0	5.35	13	PASS
				RB12#6	5.02	13	PASS
				RB12#13	5.21	13	PASS
				RB25#0	5.75	13	PASS
			MCH	RB1#0	5.23	13	PASS
				RB1#13	4.85	13	PASS
				RB1#24	4.98	13	PASS
				RB12#0	6.26	13	PASS
				RB12#6	6.28	13	PASS
				RB12#13	6.27	13	PASS
			RB25#0	6.46	13	PASS	
			HCH	RB1#0	5.4	13	PASS
				RB1#13	5.02	13	PASS
				RB1#24	5	13	PASS
RB12#0	6.75			13	PASS		
RB12#6	6.46	13		PASS			
RB12#13	6.45	13		PASS			
RB25#0	6.48	13		PASS			
10	LCH	RB1#0	3.97	13	PASS		
		RB1#25	3.6	13	PASS		

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#49	3.95	13	PASS
				RB25#0	5.04	13	PASS
				RB25#13	4.93	13	PASS
				RB25#25	5.23	13	PASS
				RB50#0	5.75	13	PASS
			MCH	RB1#0	5.43	13	PASS
				RB1#25	4.89	13	PASS
				RB1#49	4.83	13	PASS
				RB25#0	6.4	13	PASS
				RB25#13	6.17	13	PASS
				RB25#25	6.1	13	PASS
				RB50#0	6.46	13	PASS
			HCH	RB1#0	4.79	13	PASS
				RB1#25	5.01	13	PASS
				RB1#49	4.89	13	PASS
				RB25#0	6.54	13	PASS
				RB25#13	6.54	13	PASS
				RB25#25	6.43	13	PASS
		RB50#0		6.57	13	PASS	
		15	LCH	RB1#0	3.97	13	PASS
				RB1#38	3.79	13	PASS
				RB1#74	4.58	13	PASS
				RB38#0	5.13	13	PASS
				RB38#19	5.17	13	PASS
				RB38#39	5.76	13	PASS
				RB75#0	6	13	PASS
			MCH	RB1#0	5.41	13	PASS
				RB1#38	4.93	13	PASS
				RB1#74	4.81	13	PASS
				RB38#0	6.68	13	PASS
				RB38#19	6.46	13	PASS
				RB38#39	6.39	13	PASS
				RB75#0	6.9	13	PASS
HCH	RB1#0		4.48	13	PASS		
	RB1#38	4.98	13	PASS			
	RB1#74	5.02	13	PASS			
	RB38#0	6.03	13	PASS			
	RB38#19	6.34	13	PASS			
	RB38#39	6.29	13	PASS			

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		20	LCH	RB75#0	6.5	13	PASS
				RB1#0	4.09	13	PASS
				RB1#50	4.24	13	PASS
				RB1#99	5.29	13	PASS
				RB50#0	5.33	13	PASS
				RB50#25	5.49	13	PASS
				RB50#50	6.15	13	PASS
				RB100#0	5.85	13	PASS
			MCH	RB1#0	5.73	13	PASS
				RB1#50	5.1	13	PASS
				RB1#99	4.94	13	PASS
				RB50#0	6.87	13	PASS
				RB50#25	6.57	13	PASS
				RB50#50	6.36	13	PASS
				RB100#0	6.48	13	PASS
			HCH	RB1#0	4.43	13	PASS
				RB1#50	4.79	13	PASS
				RB1#99	5.09	13	PASS
				RB50#0	5.9	13	PASS
				RB50#25	6.21	13	PASS
				RB50#50	6.39	13	PASS
	RB100#0	6.28		13	PASS		
	LTE/TM2	1.4	LCH	RB1#0	5.14	13	PASS
				RB1#3	4.99	13	PASS
				RB1#5	4.98	13	PASS
				RB3#0	5.41	13	PASS
				RB3#2	5.28	13	PASS
				RB3#3	5.52	13	PASS
				RB6#0	6.22	13	PASS
			MCH	RB1#0	5.85	13	PASS
				RB1#3	5.8	13	PASS
				RB1#5	5.84	13	PASS
				RB3#0	6.38	13	PASS
RB3#2				6.45	13	PASS	
RB3#3	6.4	13		PASS			
HCH	RB6#0	6.94	13	PASS			
	RB1#0	5.47	13	PASS			
	RB1#3	5.35	13	PASS			
				RB1#5	5.46	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict			
				RB3#0	6.17	13	PASS			
				RB3#2	6.16	13	PASS			
				RB3#3	6.26	13	PASS			
				RB6#0	7.09	13	PASS			
		3	LCH		RB1#0	4.97	13	PASS		
					RB1#7	4.77	13	PASS		
					RB1#14	4.82	13	PASS		
					RB8#0	6.06	13	PASS		
					RB8#4	5.89	13	PASS		
					RB8#7	5.98	13	PASS		
					RB15#0	6.35	13	PASS		
					MCH		RB1#0	5.92	13	PASS
							RB1#7	5.69	13	PASS
							RB1#14	5.88	13	PASS
							RB8#0	7.11	13	PASS
							RB8#4	7.27	13	PASS
			RB8#7	7.27			13	PASS		
			HCH		RB1#0	5.86	13	PASS		
					RB1#7	5.64	13	PASS		
					RB1#14	5.72	13	PASS		
					RB8#0	6.47	13	PASS		
					RB8#4	6.39	13	PASS		
					RB8#7	6.58	13	PASS		
			5	LCH		RB1#0	5.34	13	PASS	
						RB1#13	4.92	13	PASS	
						RB1#24	5.01	13	PASS	
						RB12#0	6.07	13	PASS	
						RB12#6	5.82	13	PASS	
		RB12#13				5.99	13	PASS		
		RB25#0				6.84	13	PASS		
		MCH			RB1#0	6.2	13	PASS		
					RB1#13	5.84	13	PASS		
RB1#24	5.98				13	PASS				
RB12#0	7.21				13	PASS				
RB12#6	7				13	PASS				
RB12#13	7.16				13	PASS				
RB25#0	7.81				13	PASS				

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		10	HCH	RB1#0	6.17	13	PASS
				RB1#13	5.79	13	PASS
				RB1#24	5.84	13	PASS
				RB12#0	7.2	13	PASS
				RB12#6	7.02	13	PASS
				RB12#13	7	13	PASS
				RB25#0	7.48	13	PASS
			LCH	RB1#0	5.42	13	PASS
				RB1#25	4.93	13	PASS
				RB1#49	5.35	13	PASS
				RB25#0	6.09	13	PASS
				RB25#13	6.05	13	PASS
				RB25#25	6.27	13	PASS
				RB50#0	6.65	13	PASS
		MCH	RB1#0	6.58	13	PASS	
			RB1#25	6.08	13	PASS	
			RB1#49	6.04	13	PASS	
			RB25#0	7.87	13	PASS	
			RB25#13	7.47	13	PASS	
			RB25#25	7.4	13	PASS	
			RB50#0	7.46	13	PASS	
		HCH	RB1#0	6	13	PASS	
			RB1#25	5.97	13	PASS	
			RB1#49	5.91	13	PASS	
			RB25#0	7.54	13	PASS	
			RB25#13	7.68	13	PASS	
			RB25#25	7.47	13	PASS	
			RB50#0	7.34	13	PASS	
		15	LCH	RB1#0	5.42	13	PASS
				RB1#38	5.11	13	PASS
				RB1#74	5.96	13	PASS
				RB38#0	6.13	13	PASS
				RB38#19	6.13	13	PASS
				RB38#39	6.68	13	PASS
			RB75#0	6.67	13	PASS	
			MCH	RB1#0	6.68	13	PASS
RB1#38	6.12			13	PASS		
RB1#74	5.9			13	PASS		
RB38#0	7.89			13	PASS		

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB38#19	7.7	13	PASS
				RB38#39	7.44	13	PASS
				RB75#0	7.43	13	PASS
			HCH	RB1#0	5.52	13	PASS
				RB1#38	6.06	13	PASS
				RB1#74	5.75	13	PASS
				RB38#0	7.07	13	PASS
				RB38#19	7.35	13	PASS
				RB38#39	7.4	13	PASS
				RB75#0	7.32	13	PASS
			LCH	RB1#0	4.66	13	PASS
				RB1#50	4.57	13	PASS
				RB1#99	5.48	13	PASS
				RB50#0	6.38	13	PASS
				RB50#25	6.36	13	PASS
		RB50#50		7.19	13	PASS	
		RB100#0		7.03	13	PASS	
		MCH	RB1#0	5.54	13	PASS	
			RB1#50	5.13	13	PASS	
			RB1#99	5.02	13	PASS	
			RB50#0	7.92	13	PASS	
			RB50#25	7.56	13	PASS	
			RB50#50	7.3	13	PASS	
			RB100#0	7.4	13	PASS	
		HCH	RB1#0	5.36	13	PASS	
			RB1#50	5.58	13	PASS	
			RB1#99	5.62	13	PASS	
			RB50#0	6.77	13	PASS	
			RB50#25	7.08	13	PASS	
			RB50#50	7.35	13	PASS	
RB100#0	7.17		13	PASS			
20				RB38#19	7.7	13	PASS
				RB38#39	7.44	13	PASS
				RB75#0	7.43	13	PASS
			HCH	RB1#0	5.52	13	PASS
				RB1#38	6.06	13	PASS
				RB1#74	5.75	13	PASS
				RB38#0	7.07	13	PASS
		LCH	RB1#0	4.66	13	PASS	
			RB1#50	4.57	13	PASS	
			RB1#99	5.48	13	PASS	
			RB50#0	6.38	13	PASS	
		MCH	RB1#0	5.54	13	PASS	
			RB1#50	5.13	13	PASS	
			RB1#99	5.02	13	PASS	
			RB50#0	7.92	13	PASS	
HCH	RB1#0	5.36	13	PASS			
	RB1#50	5.58	13	PASS			
	RB1#99	5.62	13	PASS			
	RB50#0	6.77	13	PASS			



### 3Appendix\_C: Modulation Characteristics

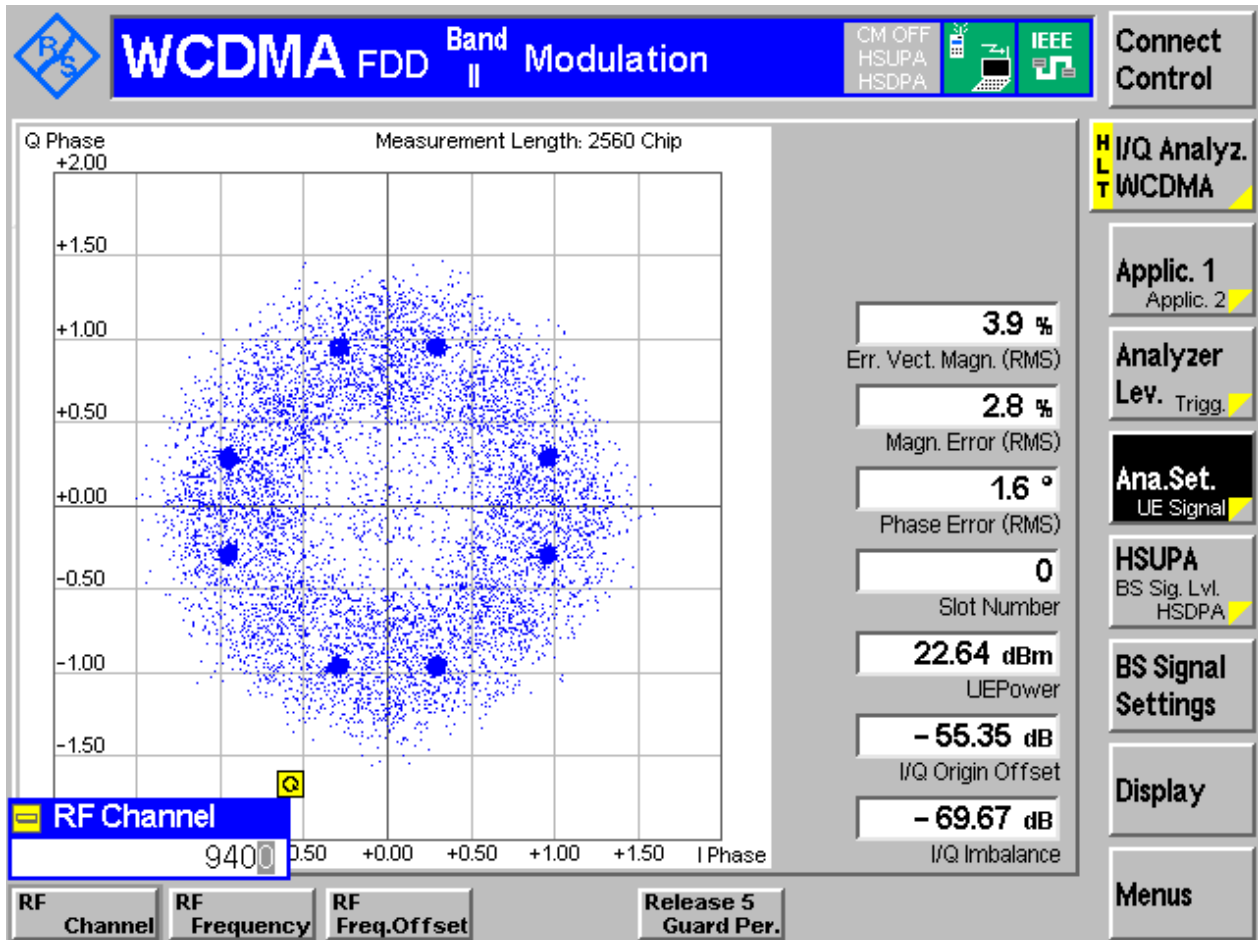
#### Part I - Test Plots

#### 3.1 For UMTS

#### 3.1.1 Test Band = WCDMA1900

#### 3.1.1.1 Test Mode = UMTS/TM1

#### 3.1.1.1.1 Test Channel = MCH



### 3.2 For LTE

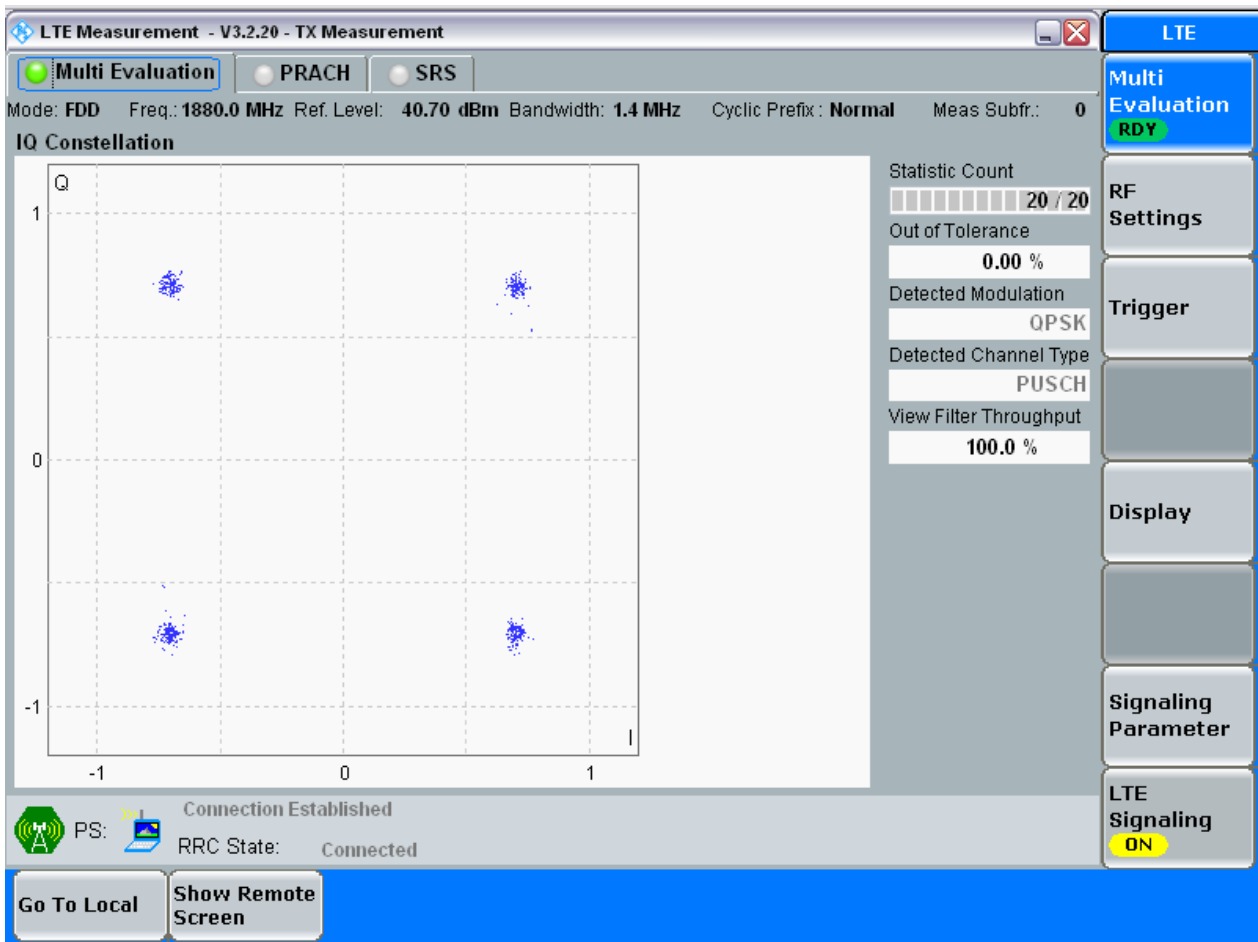
#### 3.2.1 Test Band = BAND2

##### 3.2.1.1 Test Mode = LTE/TM1

##### 3.2.1.1.1 Test Bandwidth = 1.4

##### 3.2.1.1.1.1 Test Channel = MCH

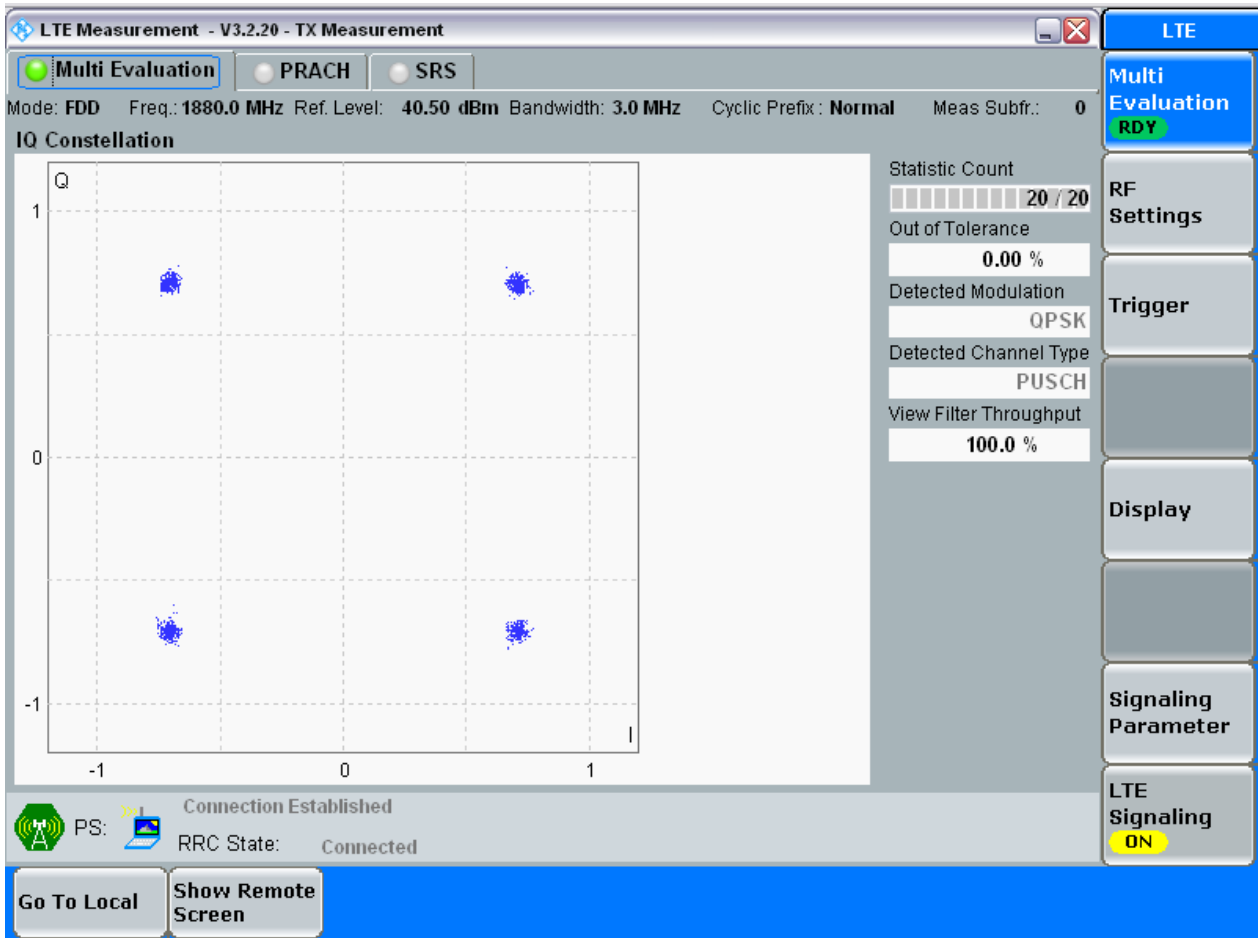
##### 3.2.1.1.1.1.1 Test RB = RB6#0



### 3.2.1.1.2 Test Bandwidth = 3

#### 3.2.1.1.2.1 Test Channel = MCH

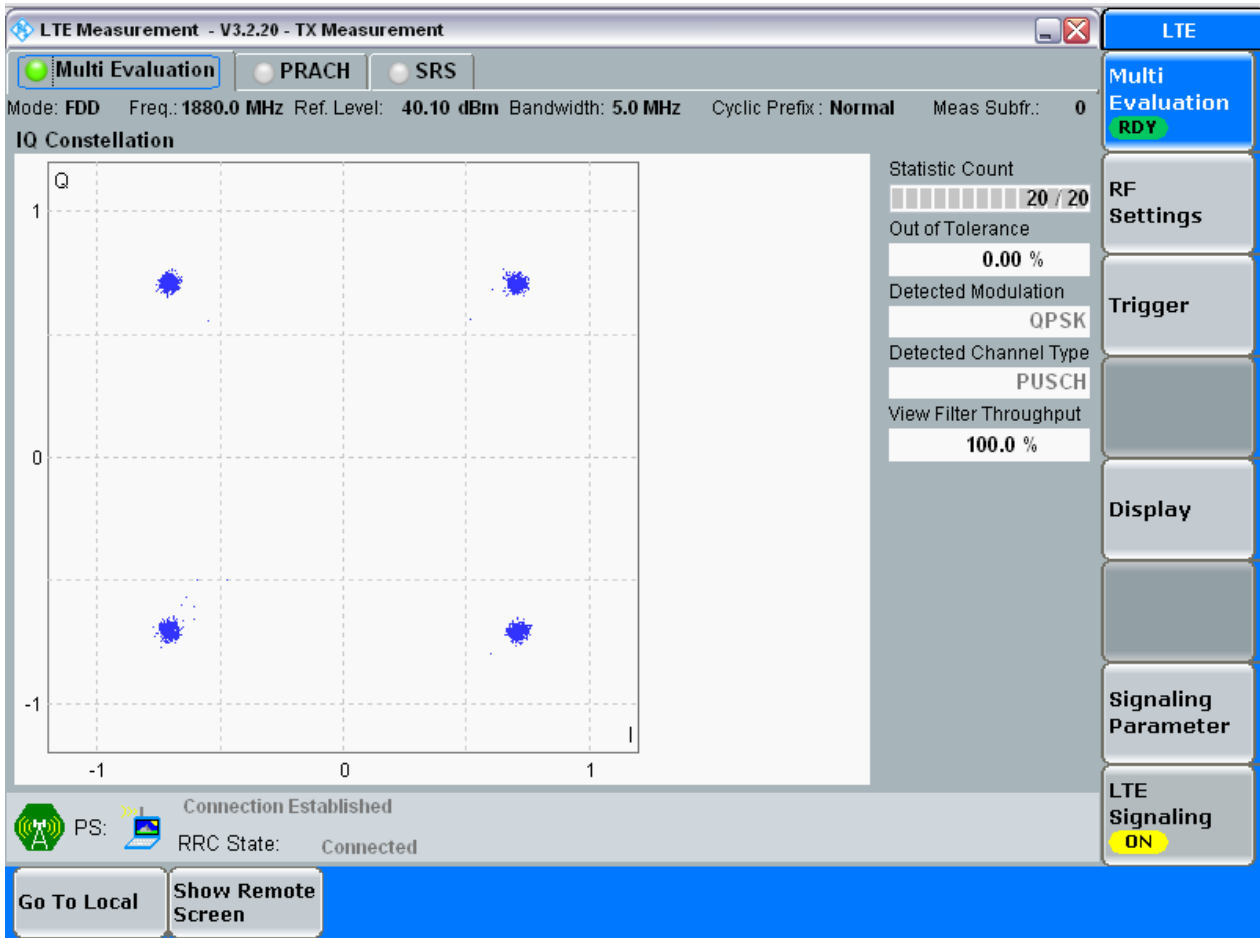
##### 3.2.1.1.2.1.1 Test RB = RB15#0



### 3.2.1.1.3 Test Bandwidth = 5

#### 3.2.1.1.3.1 Test Channel = MCH

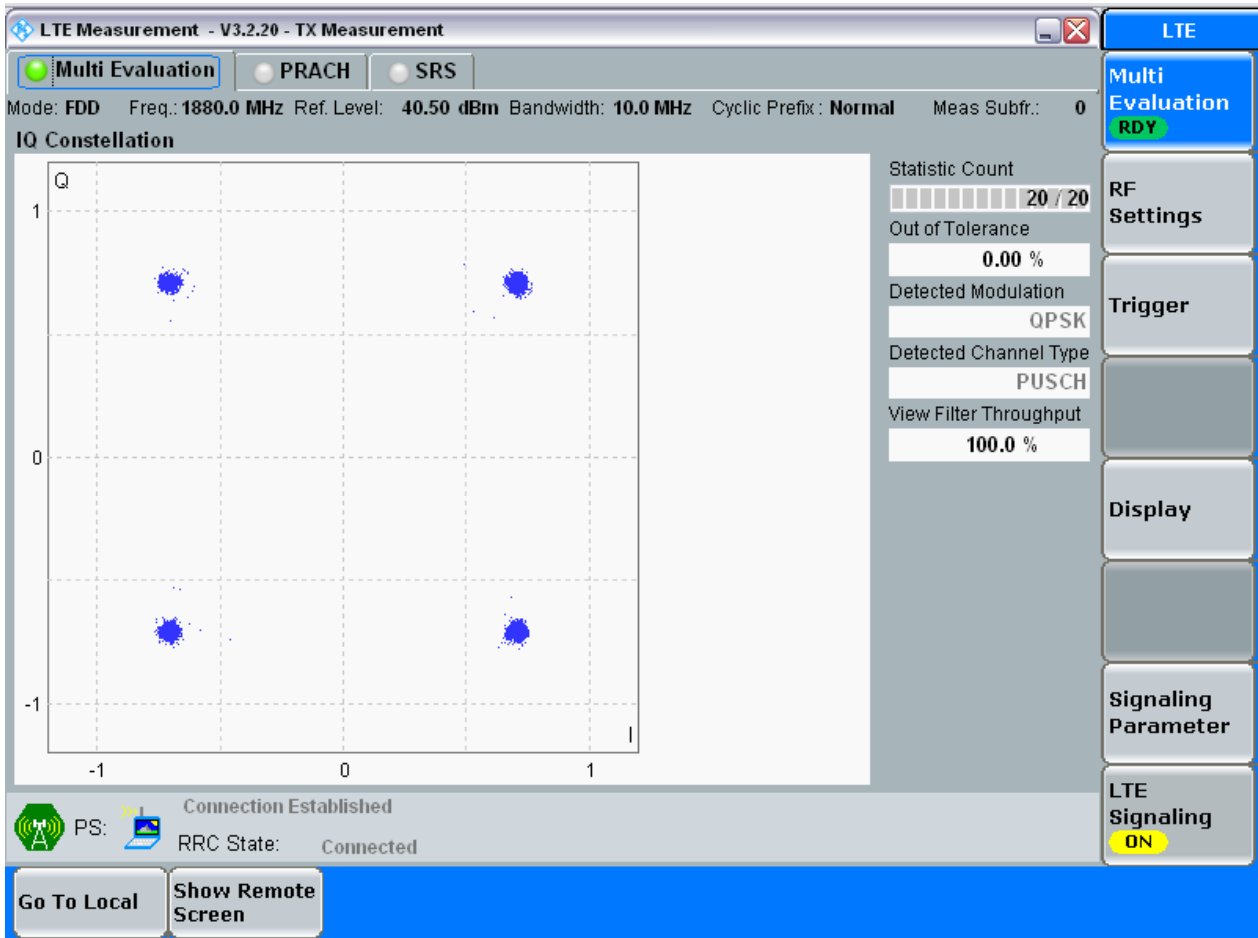
##### 3.2.1.1.3.1.1 Test RB = RB25#0



### 3.2.1.1.4 Test Bandwidth = 10

#### 3.2.1.1.4.1 Test Channel = MCH

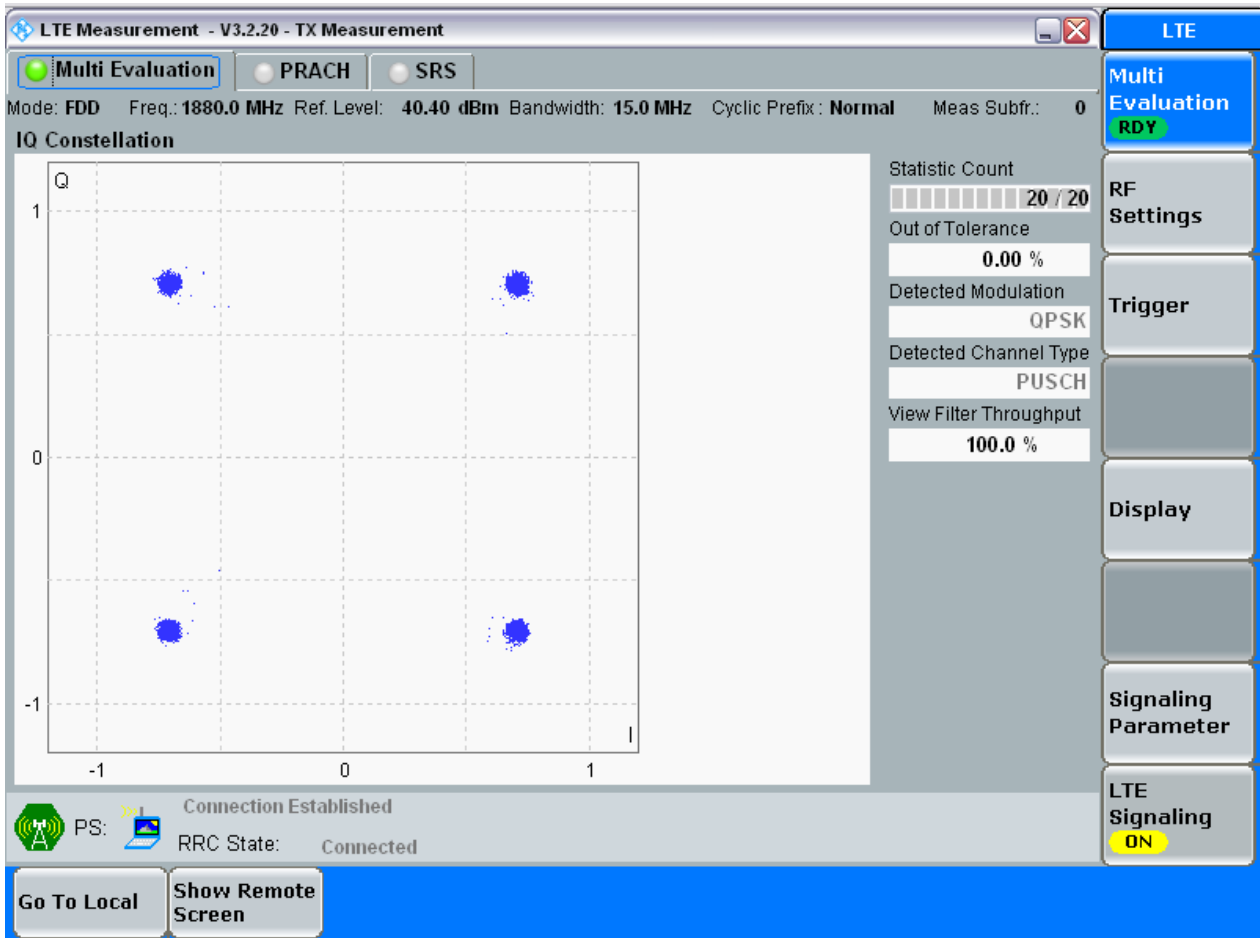
##### 3.2.1.1.4.1.1 Test RB = RB50#0



### 3.2.1.1.5 Test Bandwidth = 15

#### 3.2.1.1.5.1 Test Channel = MCH

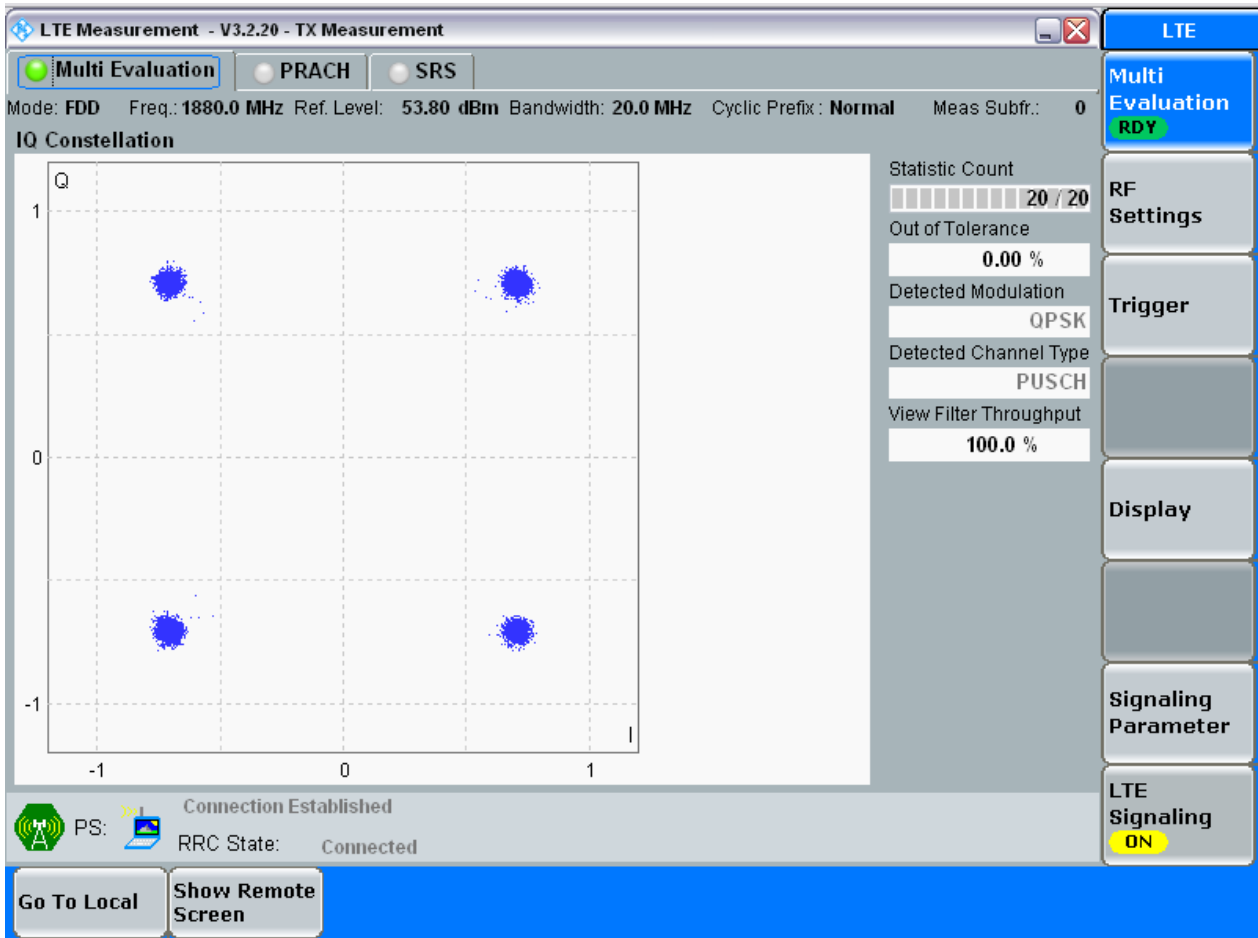
##### 3.2.1.1.5.1.1 Test RB = RB75#0



### 3.2.1.1.6 Test Bandwidth = 20

#### 3.2.1.1.6.1 Test Channel = MCH

##### 3.2.1.1.6.1.1 Test RB = RB100#0

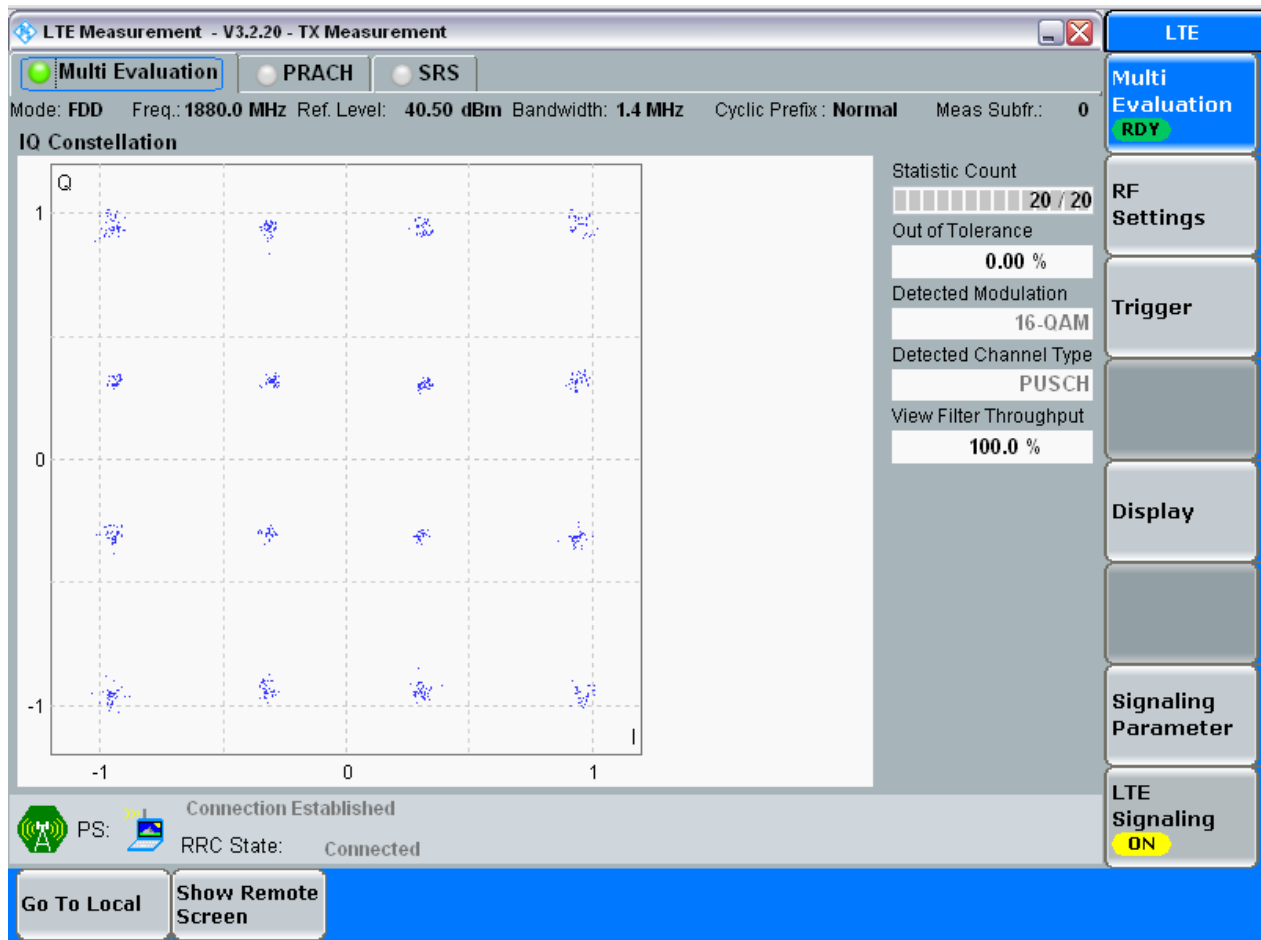


### 3.2.1.2 Test Mode = LTE/TM2

#### 3.2.1.2.1 Test Bandwidth = 1.4

##### 3.2.1.2.1.1 Test Channel = MCH

###### 3.2.1.2.1.1.1 Test RB = RB6#0

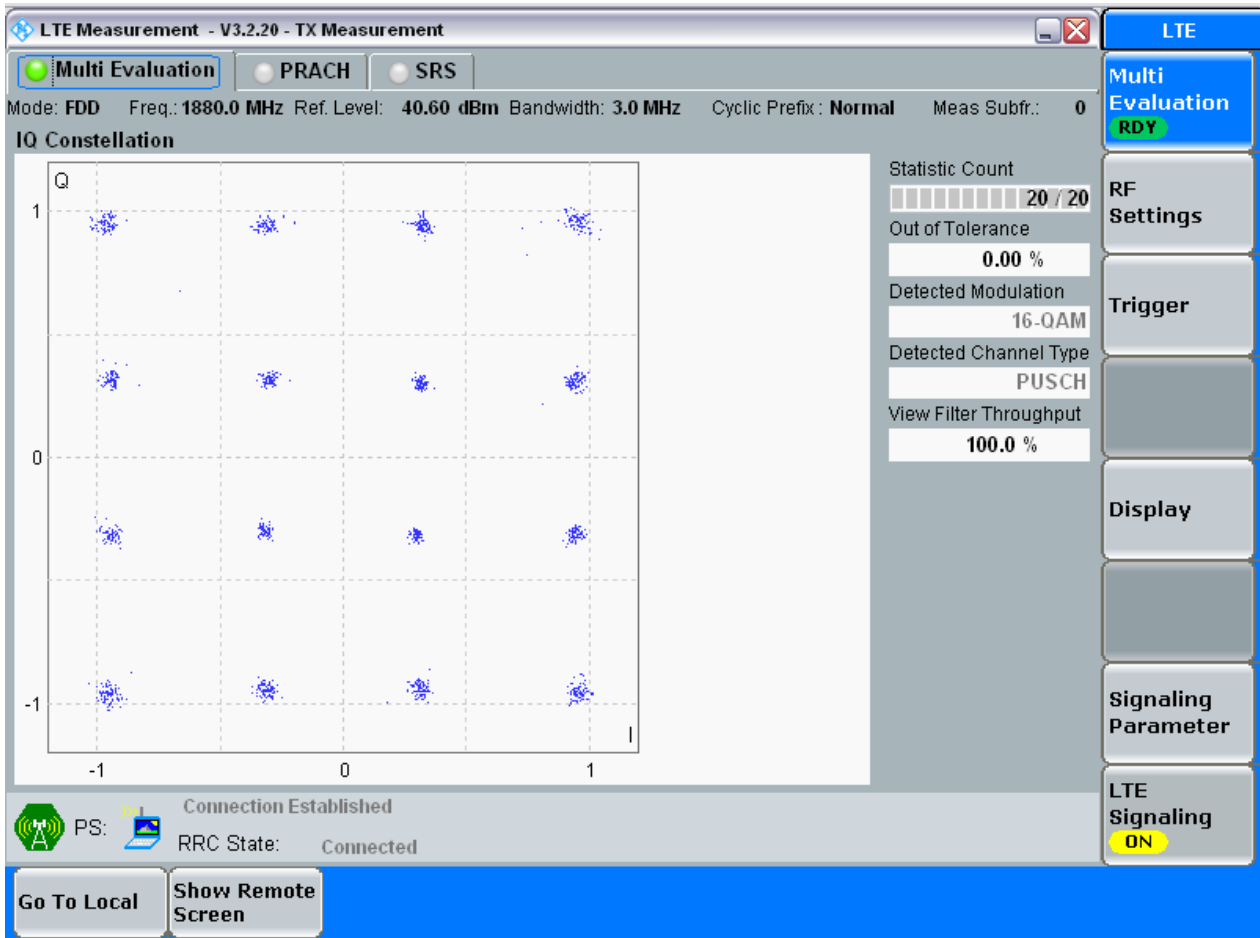




### 3.2.1.2.2 Test Bandwidth = 3

#### 3.2.1.2.2.1 Test Channel = MCH

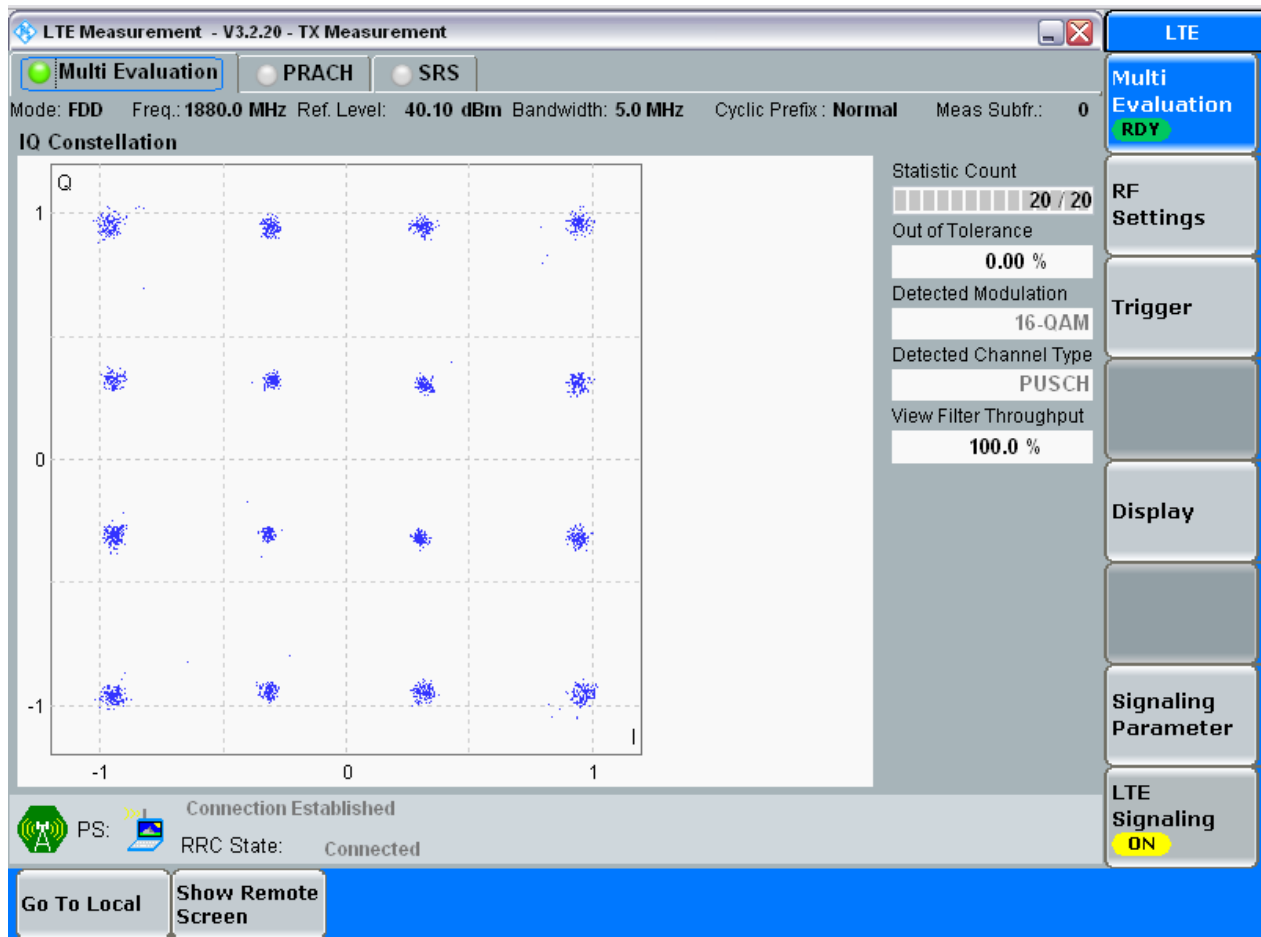
##### 3.2.1.2.2.1.1 Test RB = RB15#0



### 3.2.1.2.3 Test Bandwidth = 5

#### 3.2.1.2.3.1 Test Channel = MCH

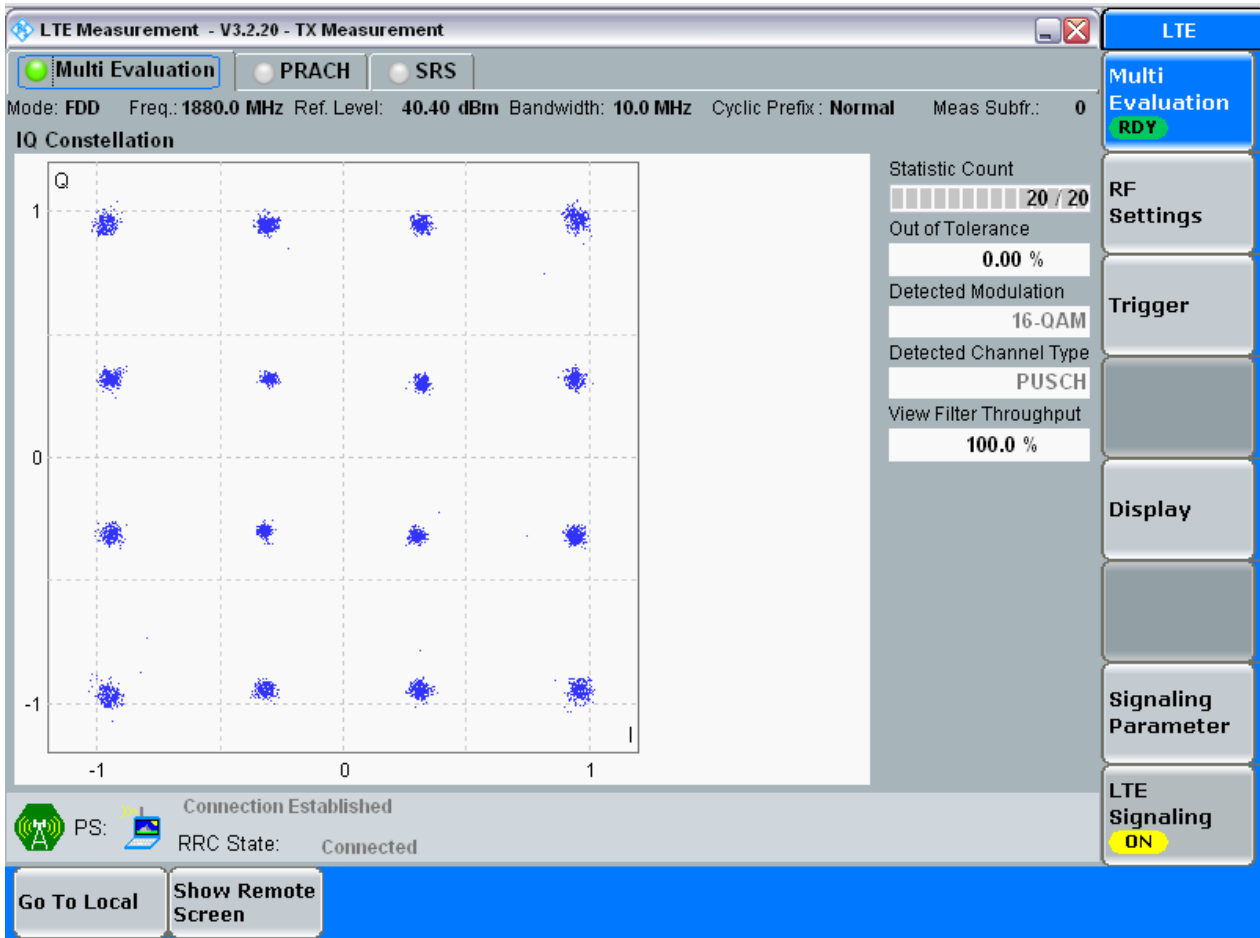
##### 3.2.1.2.3.1.1 Test RB = RB25#0



### 3.2.1.2.4 Test Bandwidth = 10

#### 3.2.1.2.4.1 Test Channel = MCH

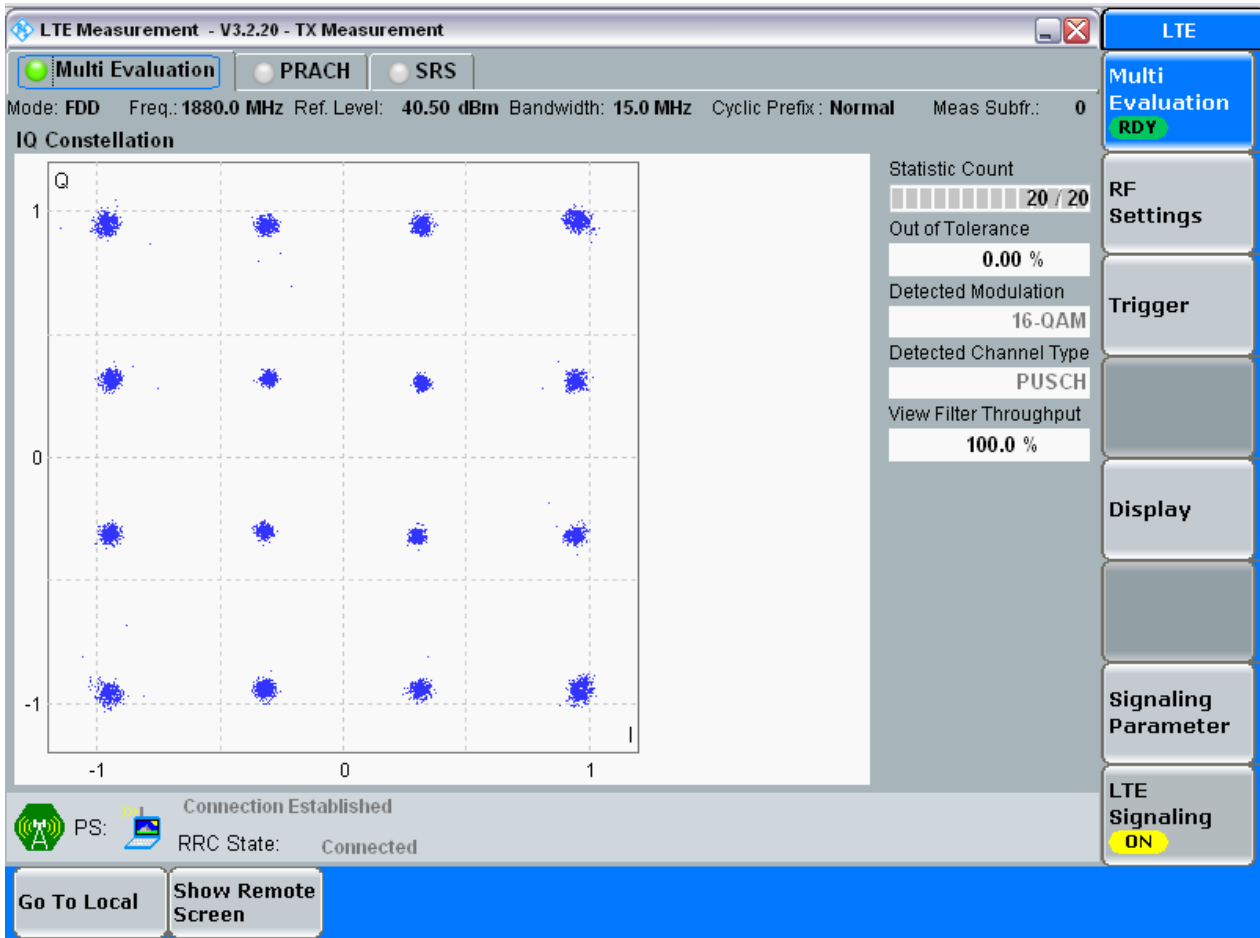
##### 3.2.1.2.4.1.1 Test RB = RB50#0



### 3.2.1.2.5 Test Bandwidth = 15

#### 3.2.1.2.5.1 Test Channel = MCH

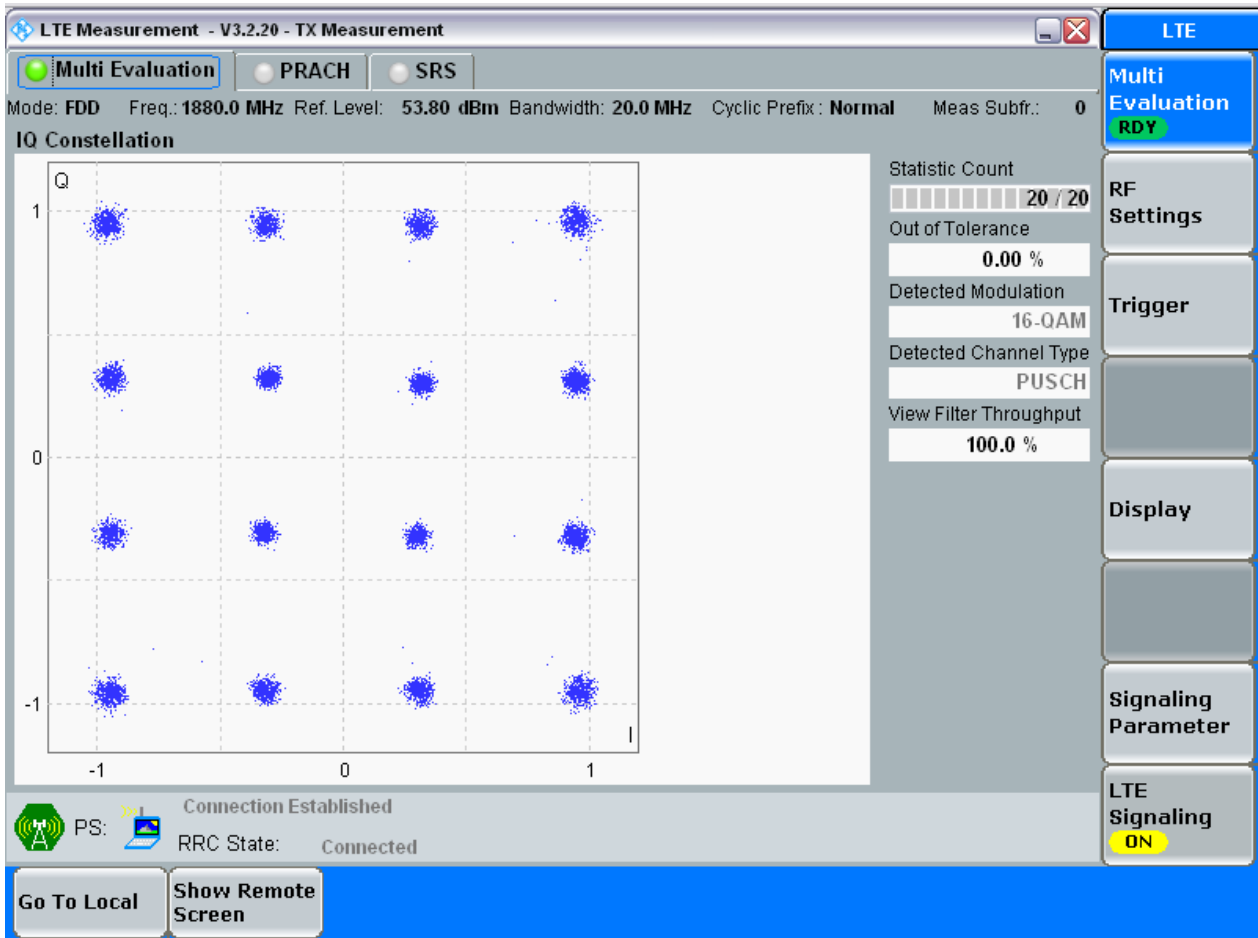
##### 3.2.1.2.5.1.1 Test RB = RB75#0



### 3.2.1.2.6 Test Bandwidth = 20

#### 3.2.1.2.6.1 Test Channel = MCH

##### 3.2.1.2.6.1.1 Test RB = RB100#0





## 4Appendix\_D: Bandwidth

### Part I - Test Results

Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
WCDMA1900	UMTS/TM1	LCH	4.16	4.67	Pass
		MCH	4.16	4.66	Pass
		HCH	4.16	4.67	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND2	LTE/TM1	1.4	LCH	RB6#0	1.09	1.29	Pass
			MCH	RB6#0	1.09	1.26	Pass
			HCH	RB6#0	1.09	1.28	Pass
		3	LCH	RB15#0	2.70	2.97	Pass
			MCH	RB15#0	2.70	2.98	Pass
			HCH	RB15#0	2.71	3.00	Pass
		5	LCH	RB25#0	4.50	4.88	Pass
			MCH	RB25#0	4.50	4.88	Pass
			HCH	RB25#0	4.50	4.90	Pass
		10	LCH	RB50#0	8.97	9.59	Pass
			MCH	RB50#0	8.99	9.62	Pass
			HCH	RB50#0	8.98	9.61	Pass
		15	LCH	RB75#0	13.43	14.27	Pass
			MCH	RB75#0	13.48	14.33	Pass
			HCH	RB75#0	13.47	14.34	Pass
		20	LCH	RB100#0	17.86	18.93	Pass
			MCH	RB100#0	17.96	19.01	Pass
			HCH	RB100#0	17.90	18.96	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.29	Pass
			MCH	RB6#0	1.09	1.28	Pass
			HCH	RB6#0	1.09	1.30	Pass
		3	LCH	RB15#0	2.70	2.99	Pass
			MCH	RB15#0	2.70	3.00	Pass
			HCH	RB15#0	2.71	2.99	Pass
5		LCH	RB25#0	4.50	4.89	Pass	

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
			MCH	RB25#0	4.50	4.89	Pass
			HCH	RB25#0	4.51	4.93	Pass
		10	LCH	RB50#0	8.96	9.62	Pass
			MCH	RB50#0	8.98	9.62	Pass
			HCH	RB50#0	9.00	9.61	Pass
		15	LCH	RB75#0	13.42	14.25	Pass
			MCH	RB75#0	13.48	14.32	Pass
			HCH	RB75#0	13.47	14.29	Pass
		20	LCH	RB100#0	17.86	18.94	Pass
			MCH	RB100#0	17.98	19.08	Pass
			HCH	RB100#0	17.91	19.00	Pass



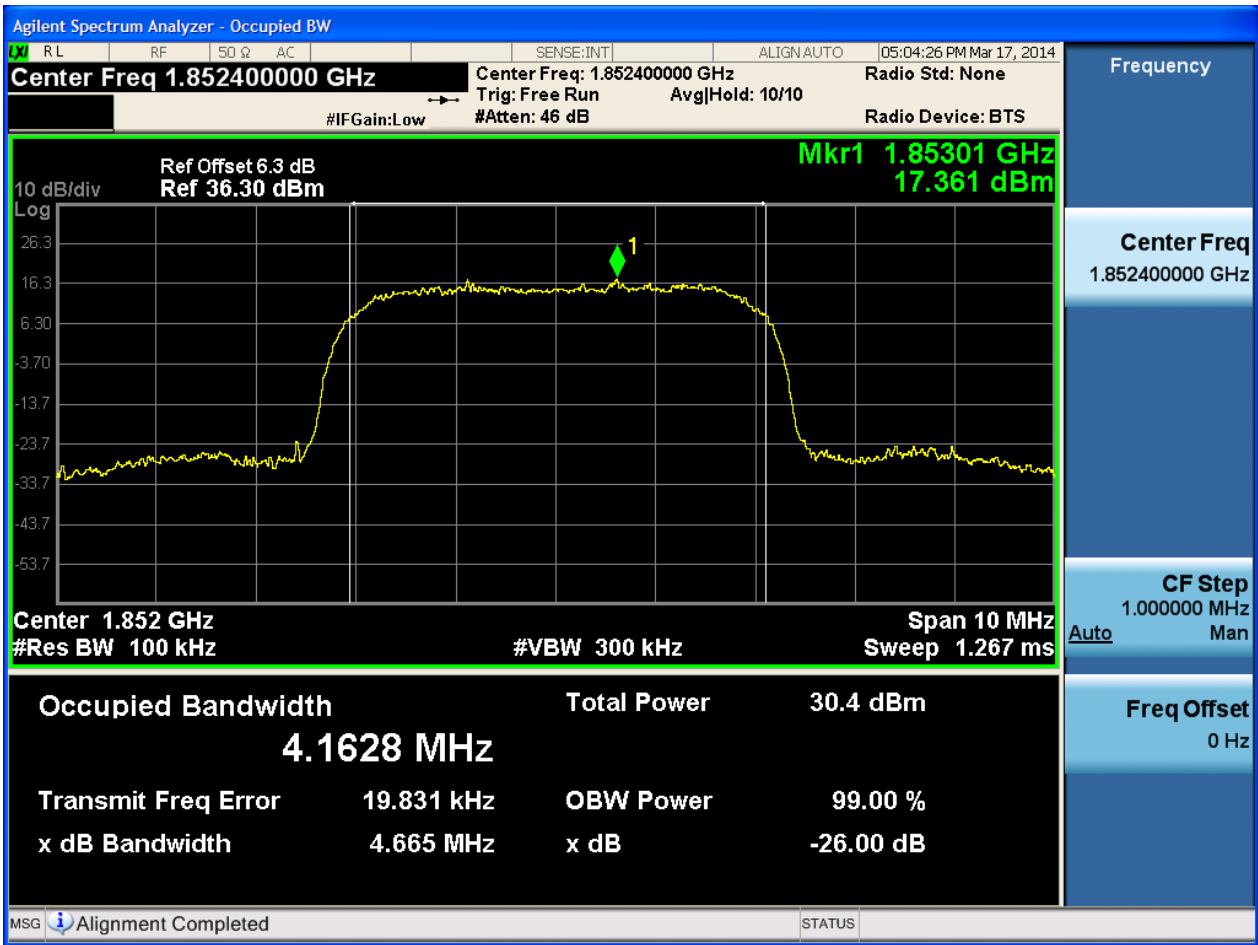
Part II - Test Plots

4.1 For UMTS

4.1.1 Test Band = WCDMA1900

4.1.1.1 Test Mode = UMTS/TM1

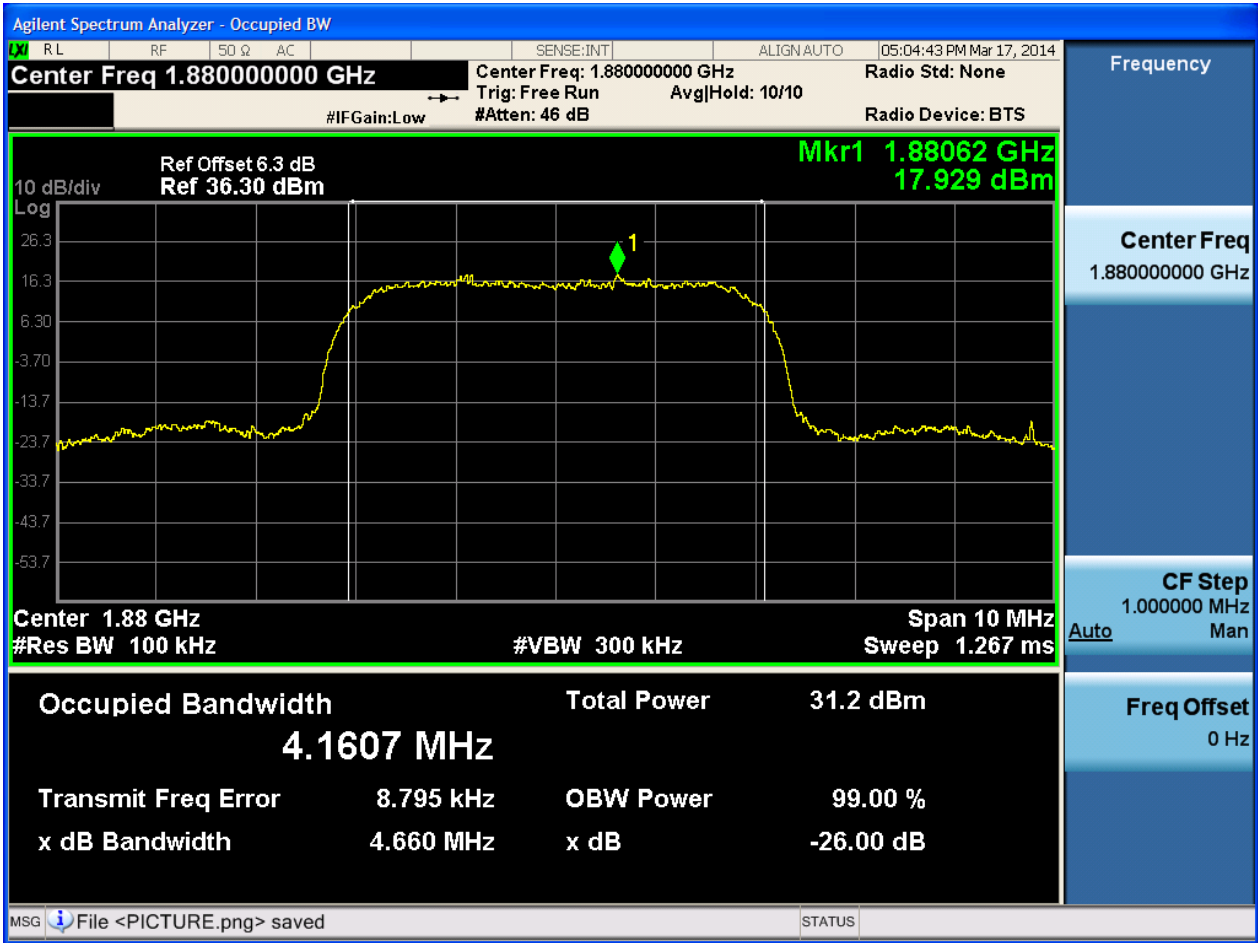
4.1.1.1.1 Test Channel = LCH





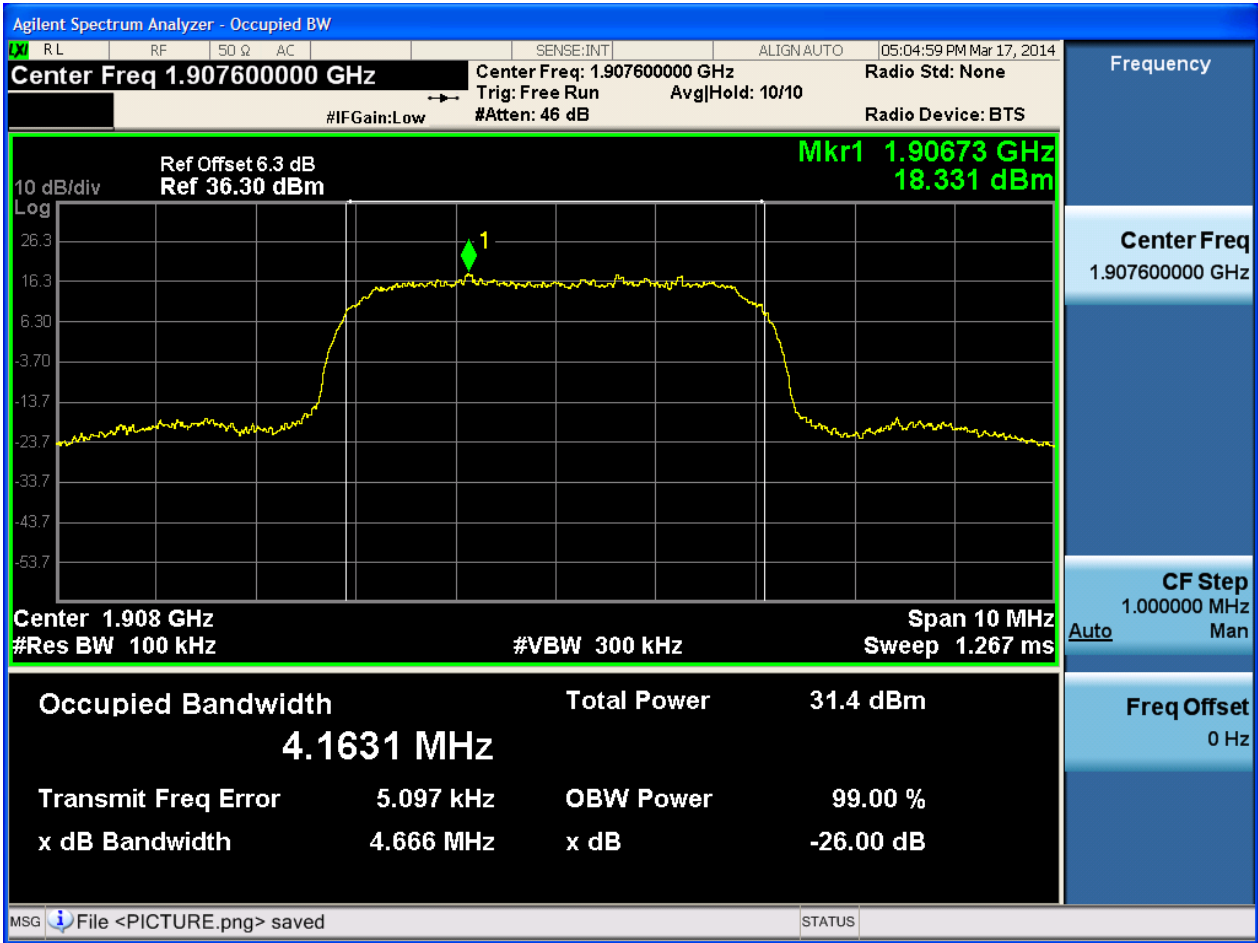


4.1.1.1.2 Test Channel = MCH





4.1.1.1.3 Test Channel = HCH





## 4.2 For LTE

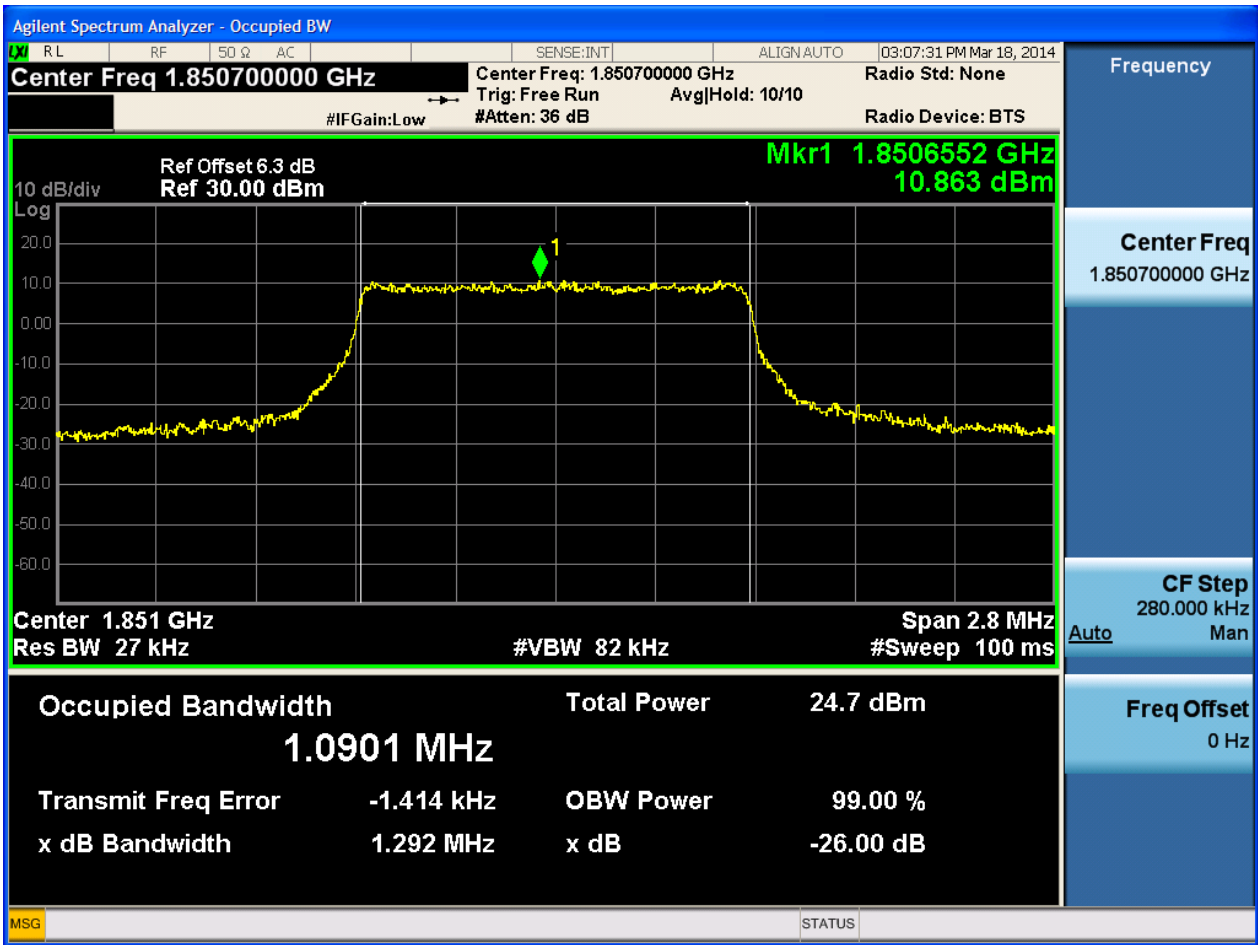
### 4.2.1 Test Band = BAND2

#### 4.2.1.1 Test Mode = LTE/TM1

##### 4.2.1.1.1 Test Bandwidth = 1.4

##### 4.2.1.1.1.1 Test Channel = LCH

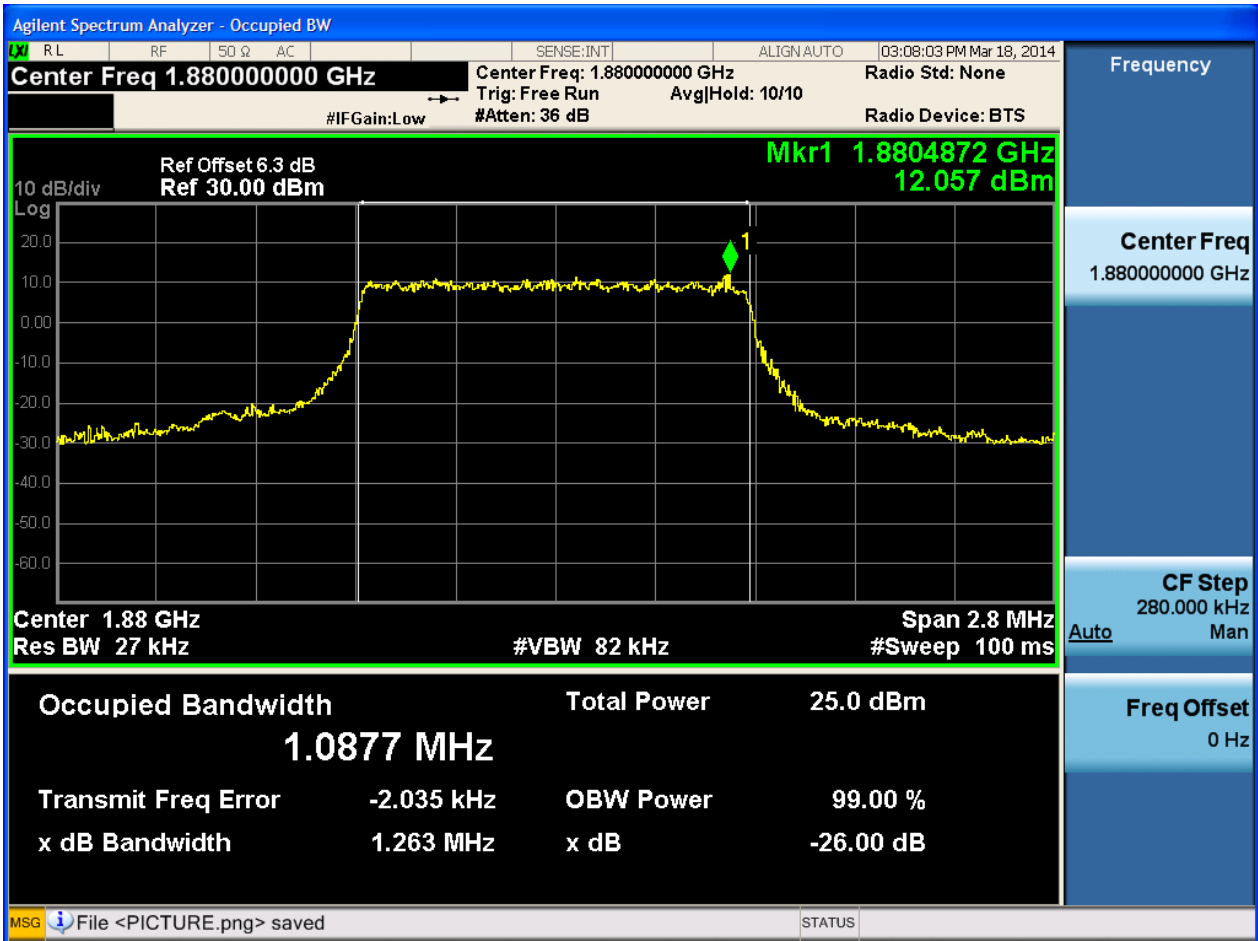
##### 4.2.1.1.1.1.1 Test RB = RB6#0





4.2.1.1.1.2 Test Channel = MCH

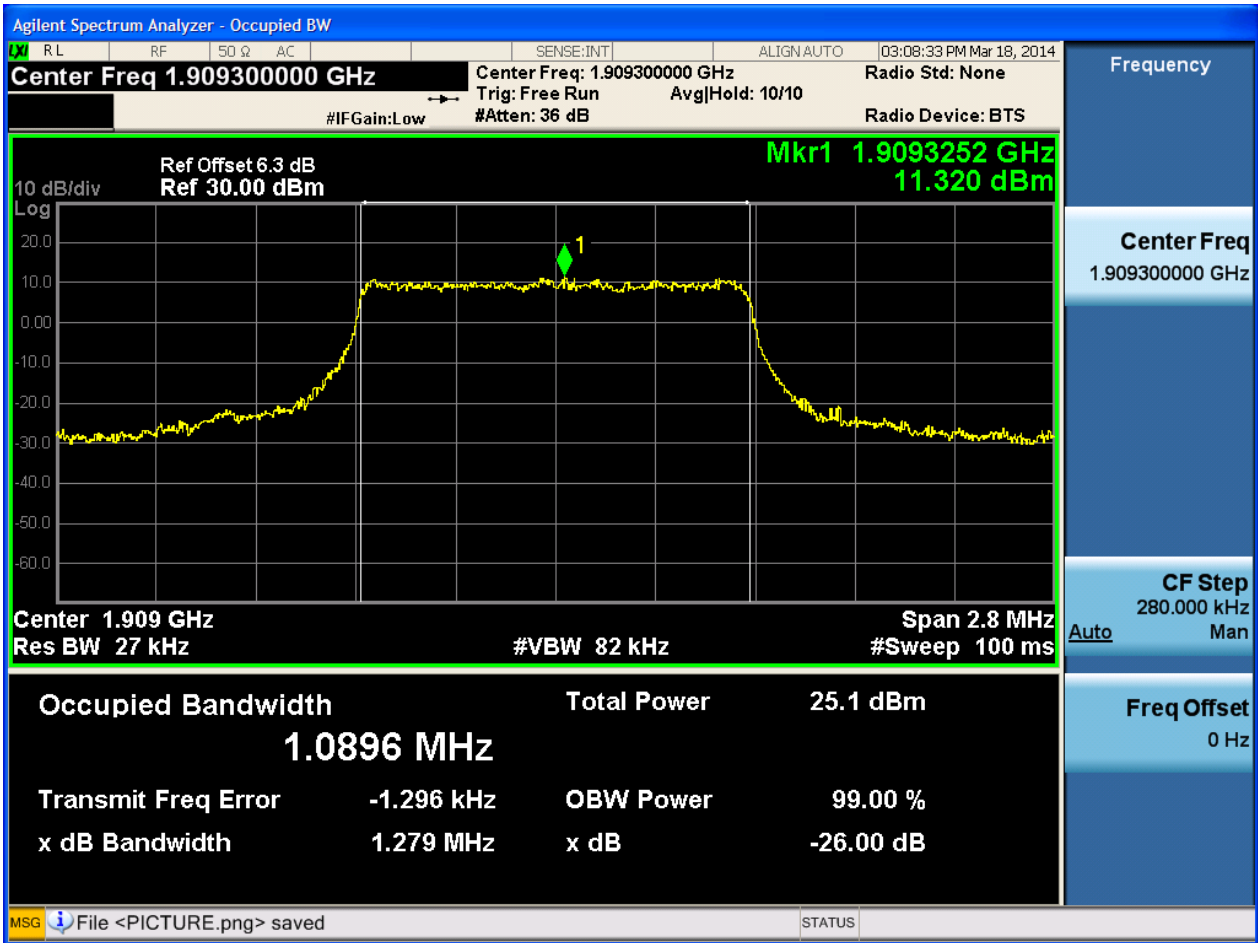
4.2.1.1.1.2.1 Test RB = RB6#0





### 4.2.1.1.1.3 Test Channel = HCH

#### 4.2.1.1.1.3.1 Test RB = RB6#0

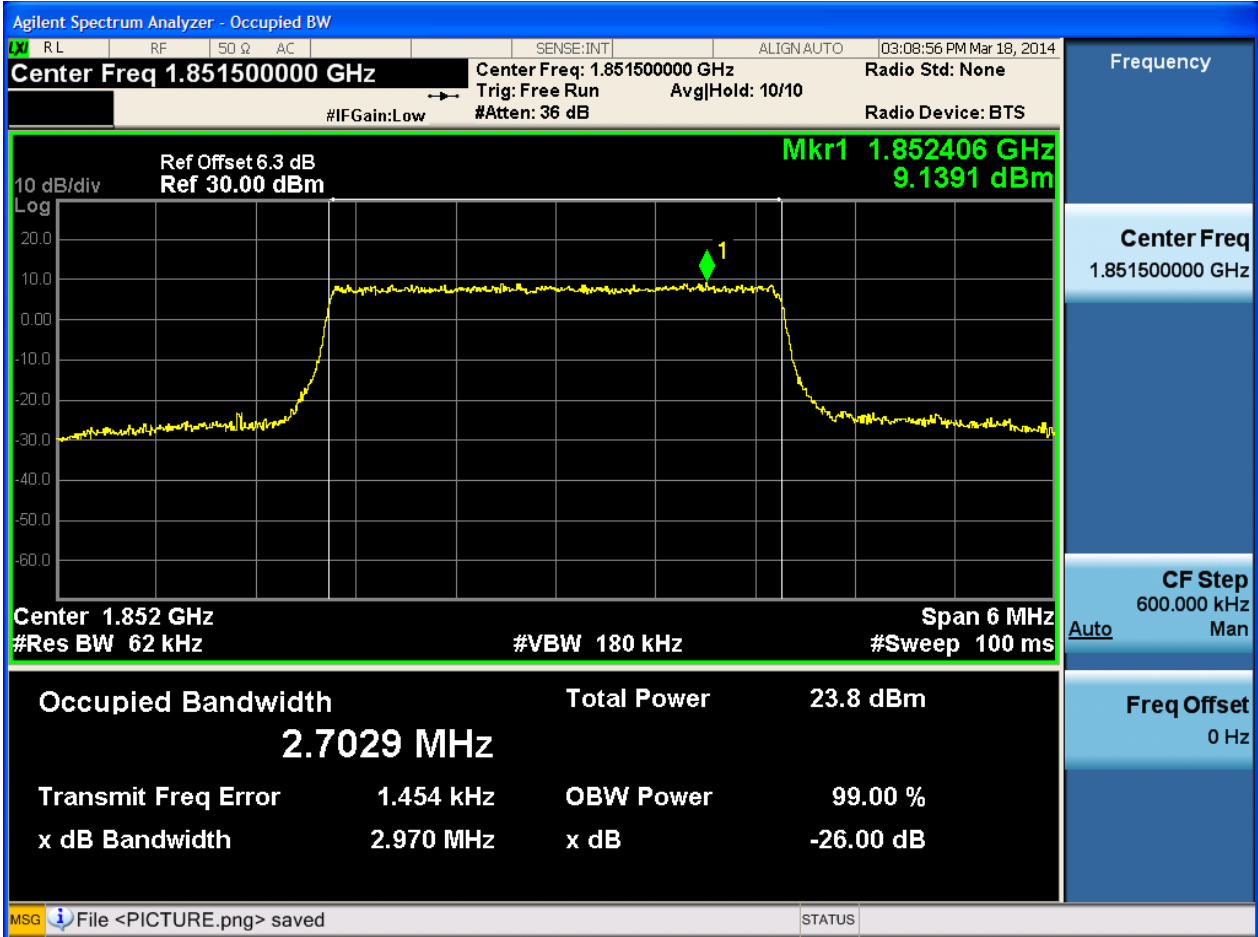




4.2.1.1.2 Test Bandwidth = 3

4.2.1.1.2.1 Test Channel = LCH

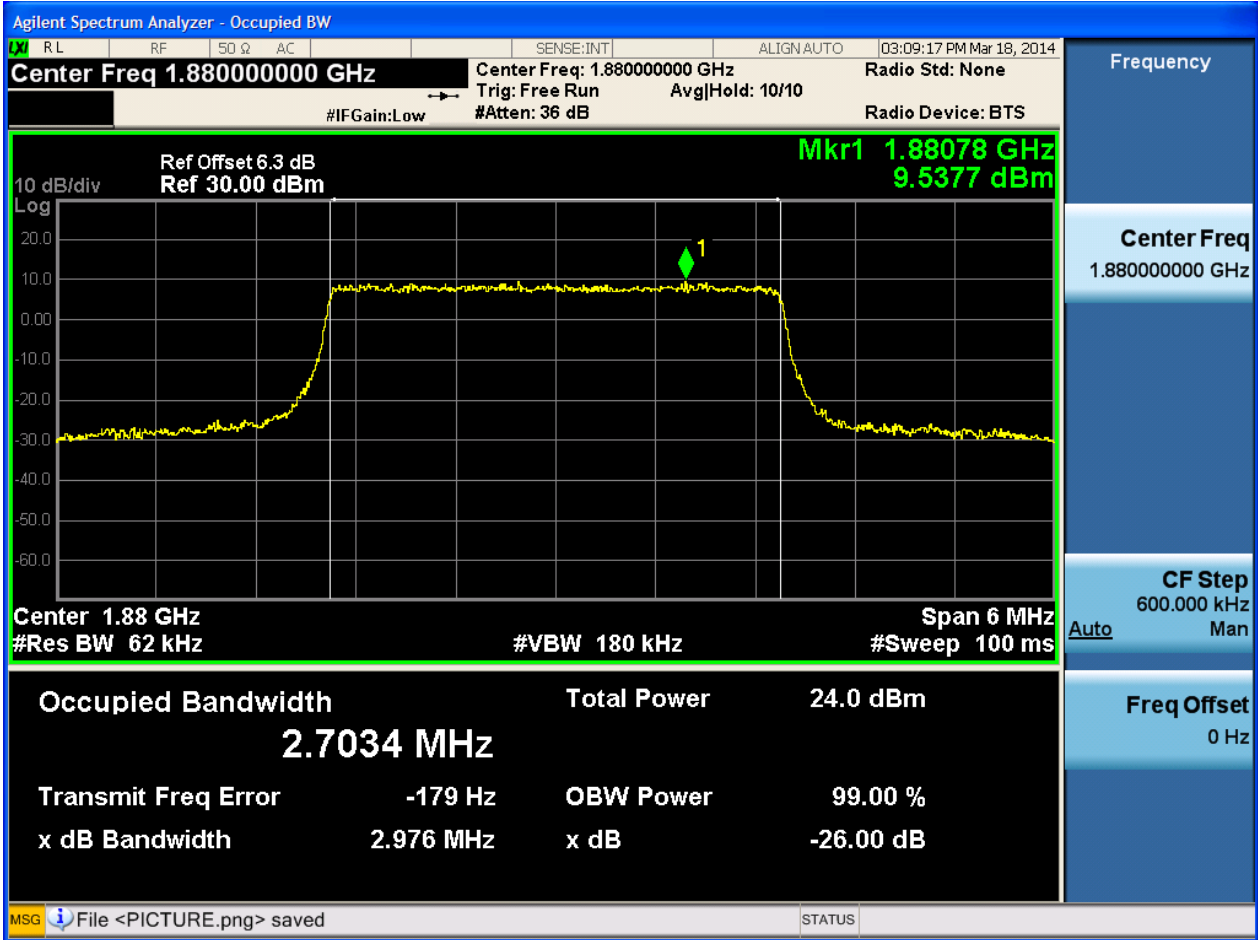
4.2.1.1.2.1.1 Test RB = RB15#0





4.2.1.1.2.2 Test Channel = MCH

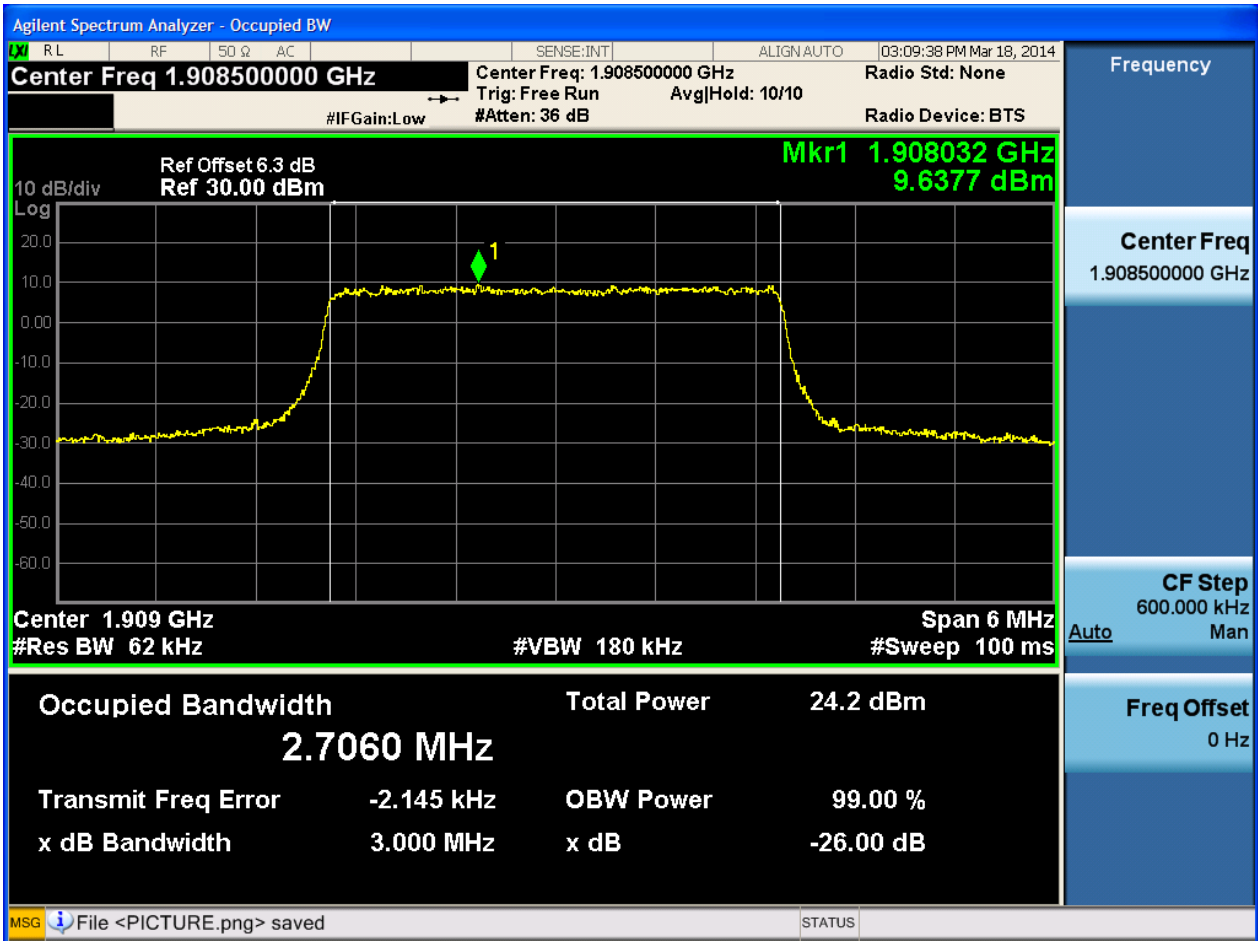
4.2.1.1.2.2.1 Test RB = RB15#0





4.2.1.1.2.3 Test Channel = HCH

4.2.1.1.2.3.1 Test RB = RB15#0



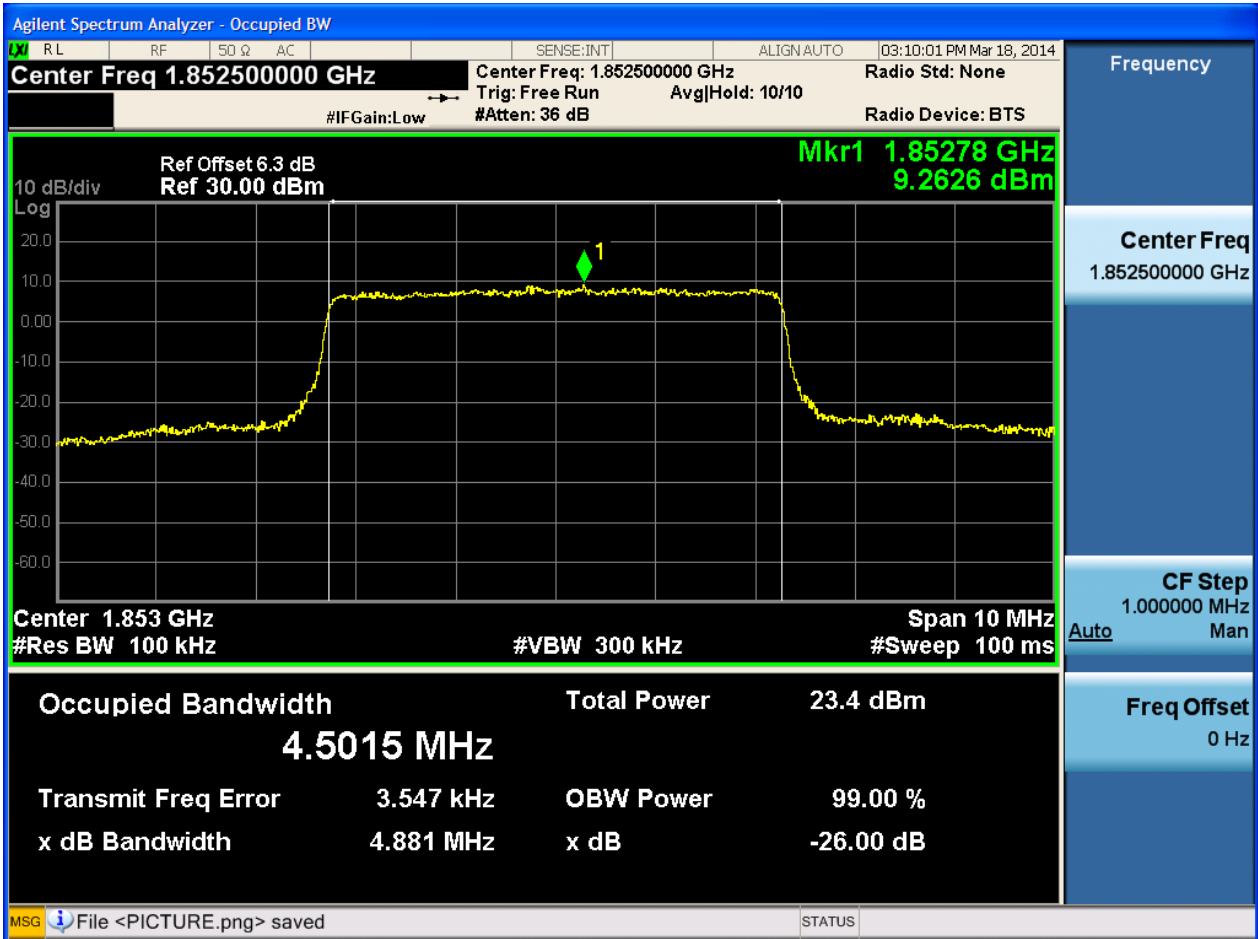




4.2.1.1.3 Test Bandwidth = 5

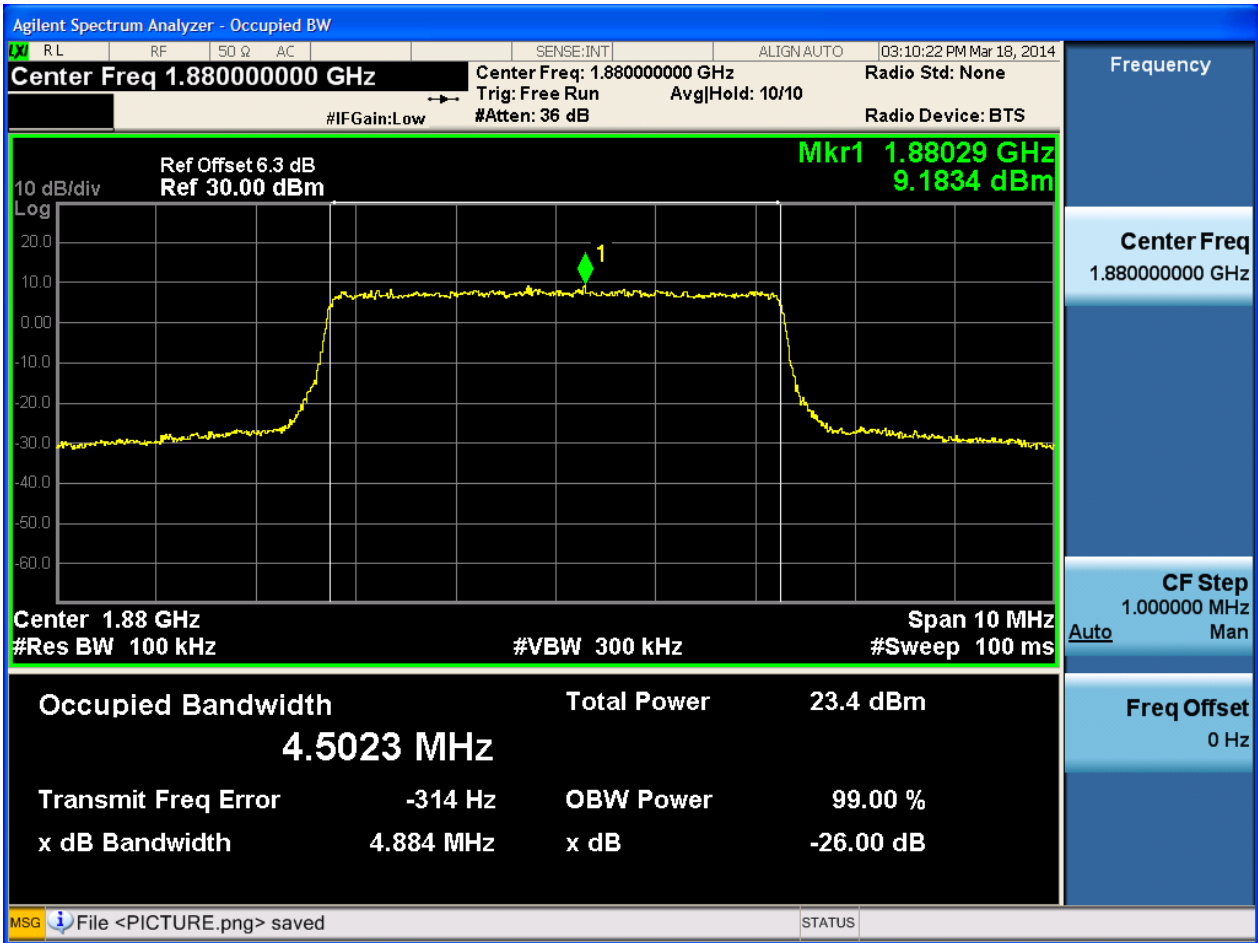
4.2.1.1.3.1 Test Channel = LCH

4.2.1.1.3.1.1 Test RB = RB25#0



4.2.1.1.3.2 Test Channel = MCH

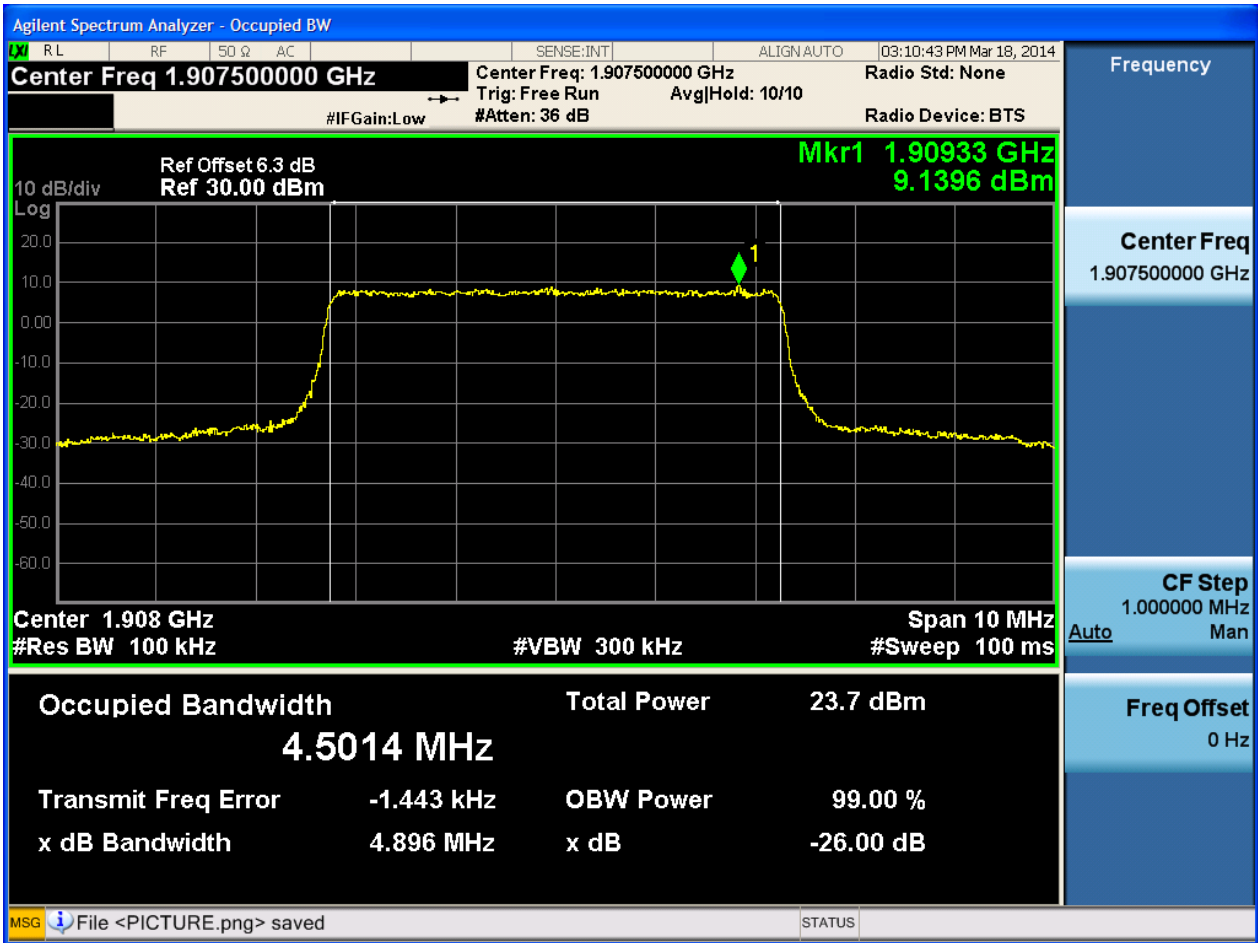
4.2.1.1.3.2.1 Test RB = RB25#0





4.2.1.1.3.3 Test Channel = HCH

4.2.1.1.3.3.1 Test RB = RB25#0

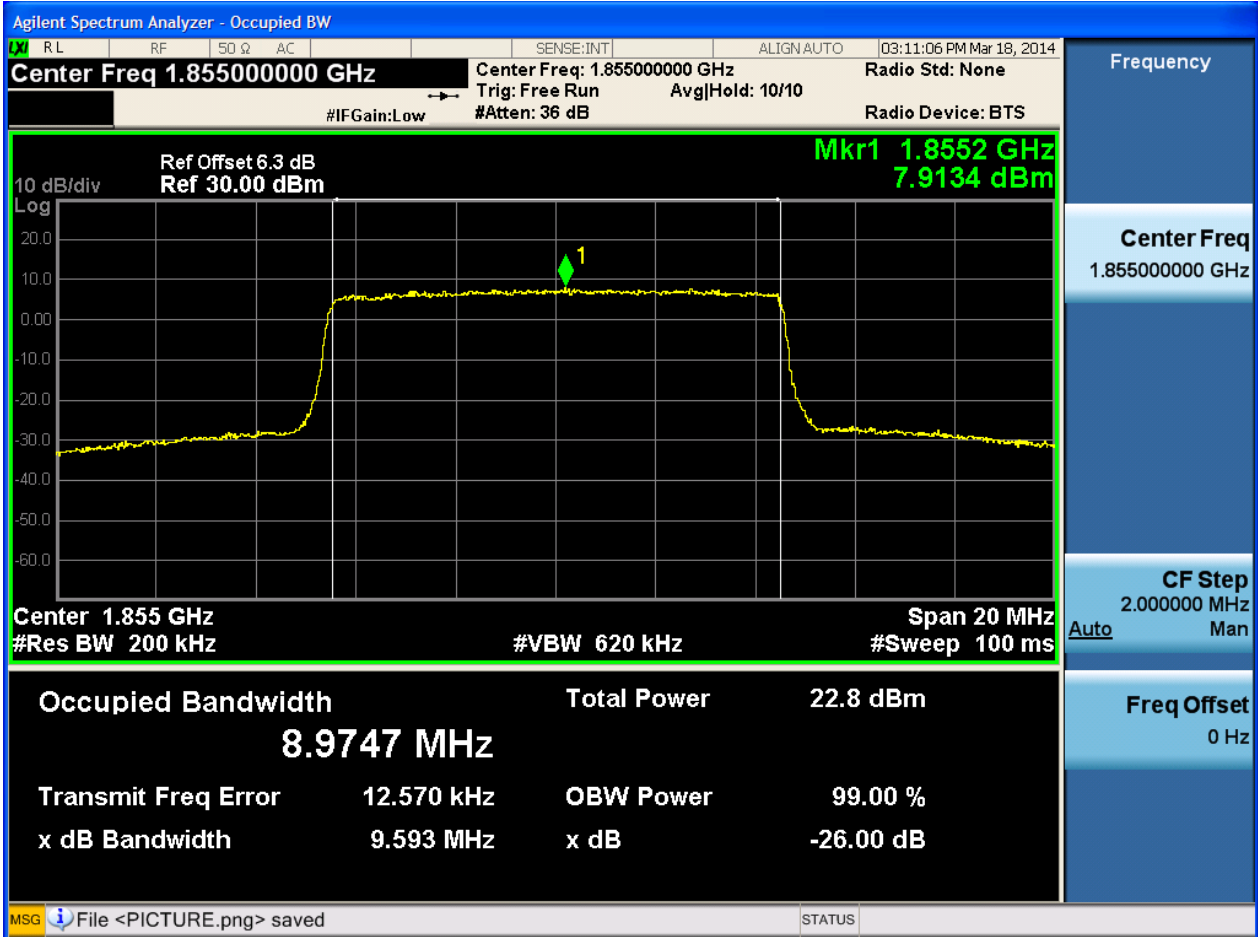




4.2.1.1.4 Test Bandwidth = 10

4.2.1.1.4.1 Test Channel = LCH

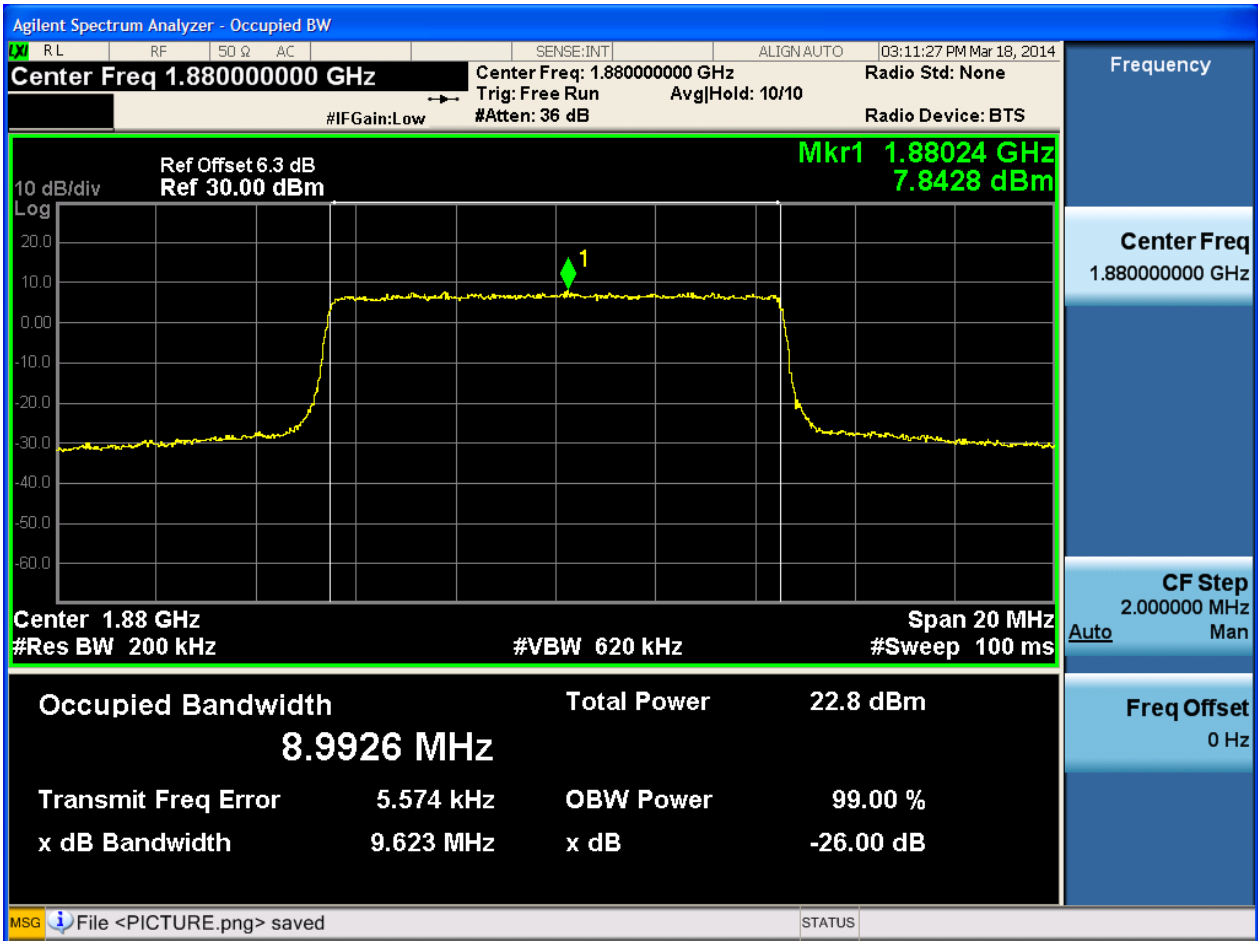
4.2.1.1.4.1.1 Test RB = RB50#0





4.2.1.1.4.2 Test Channel = MCH

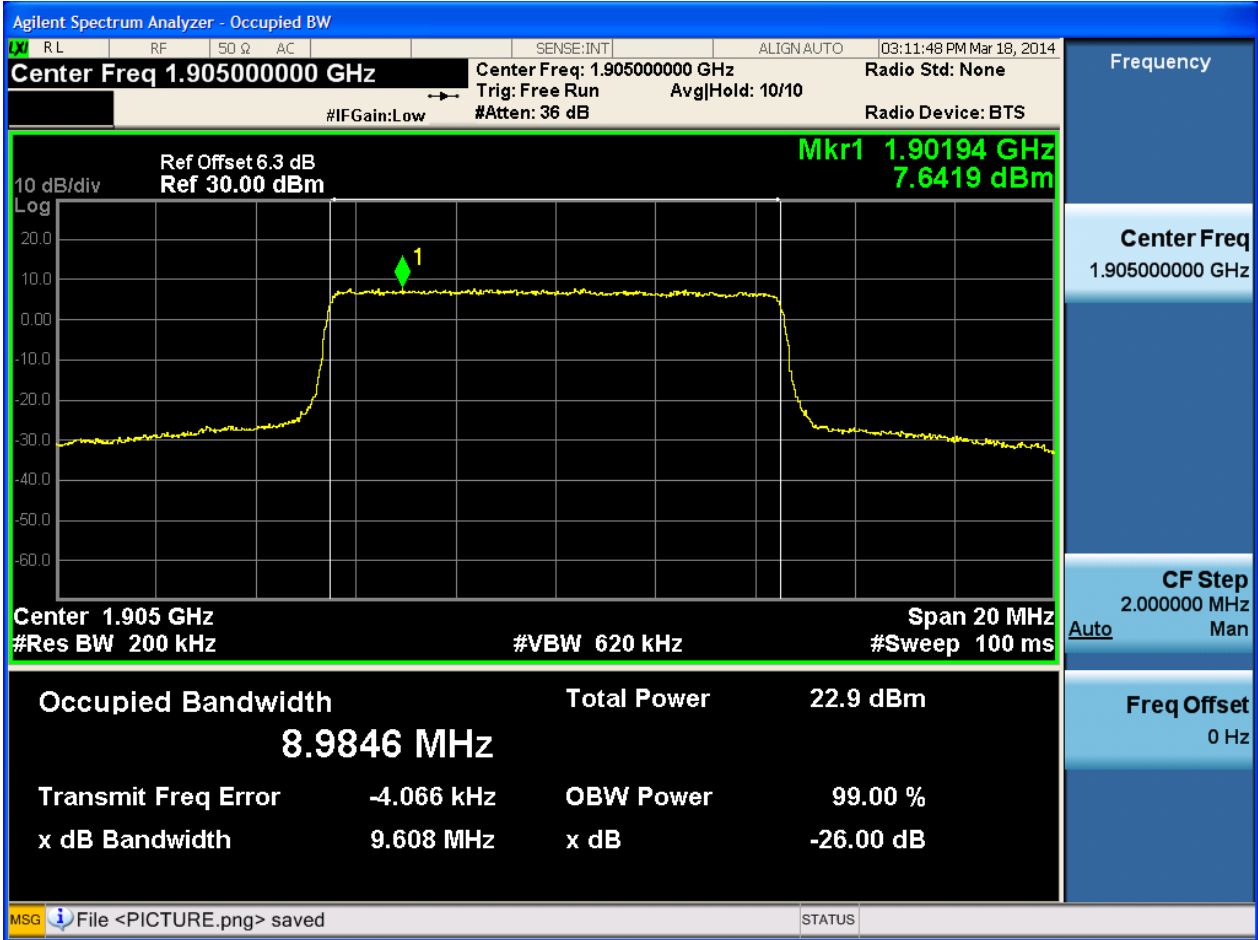
4.2.1.1.4.2.1 Test RB = RB50#0





4.2.1.1.4.3 Test Channel = HCH

4.2.1.1.4.3.1 Test RB = RB50#0

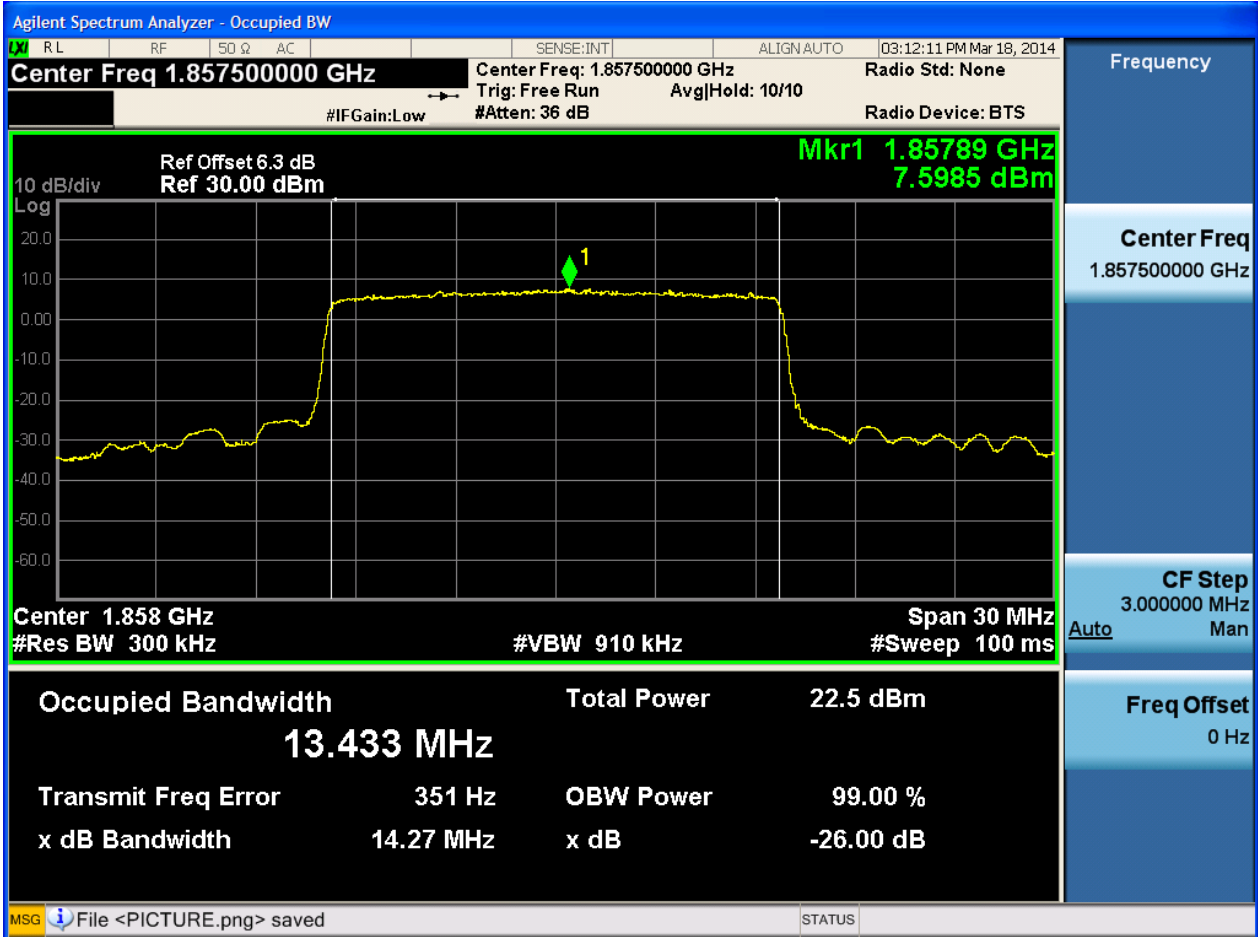




4.2.1.1.5 Test Bandwidth = 15

4.2.1.1.5.1 Test Channel = LCH

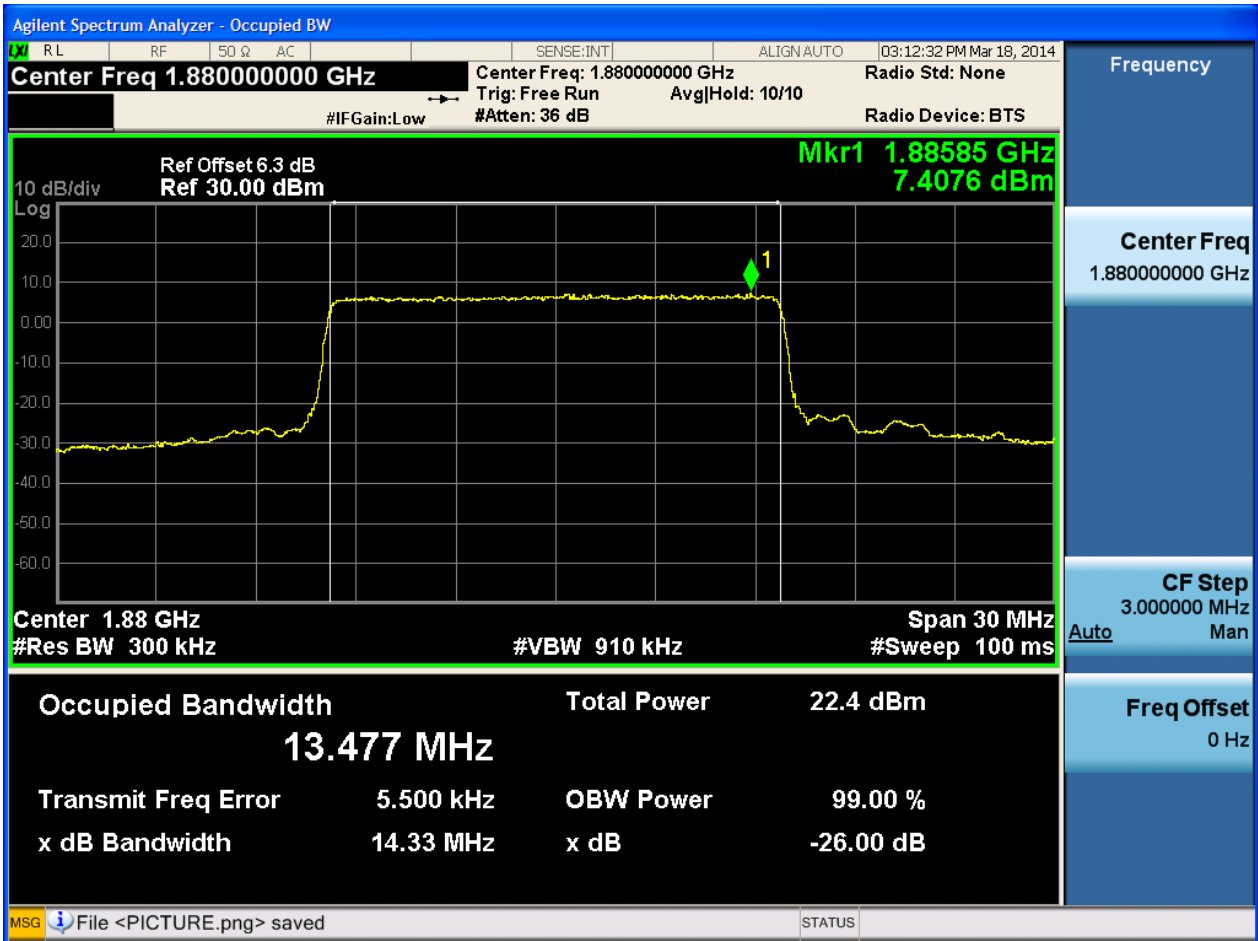
4.2.1.1.5.1.1 Test RB = RB75#0





4.2.1.1.5.2 Test Channel = MCH

4.2.1.1.5.2.1 Test RB = RB75#0

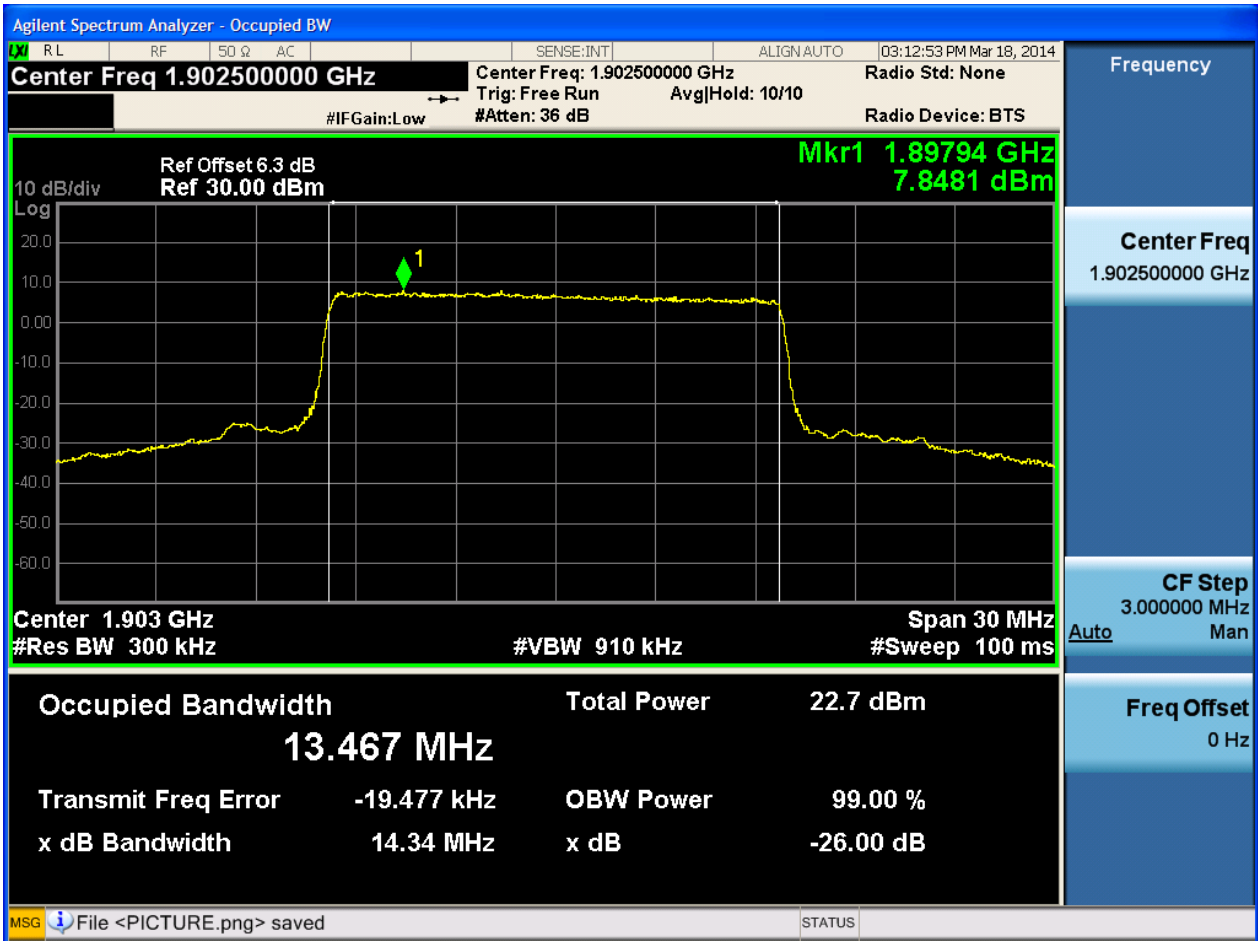






4.2.1.1.5.3 Test Channel = HCH

4.2.1.1.5.3.1 Test RB = RB75#0

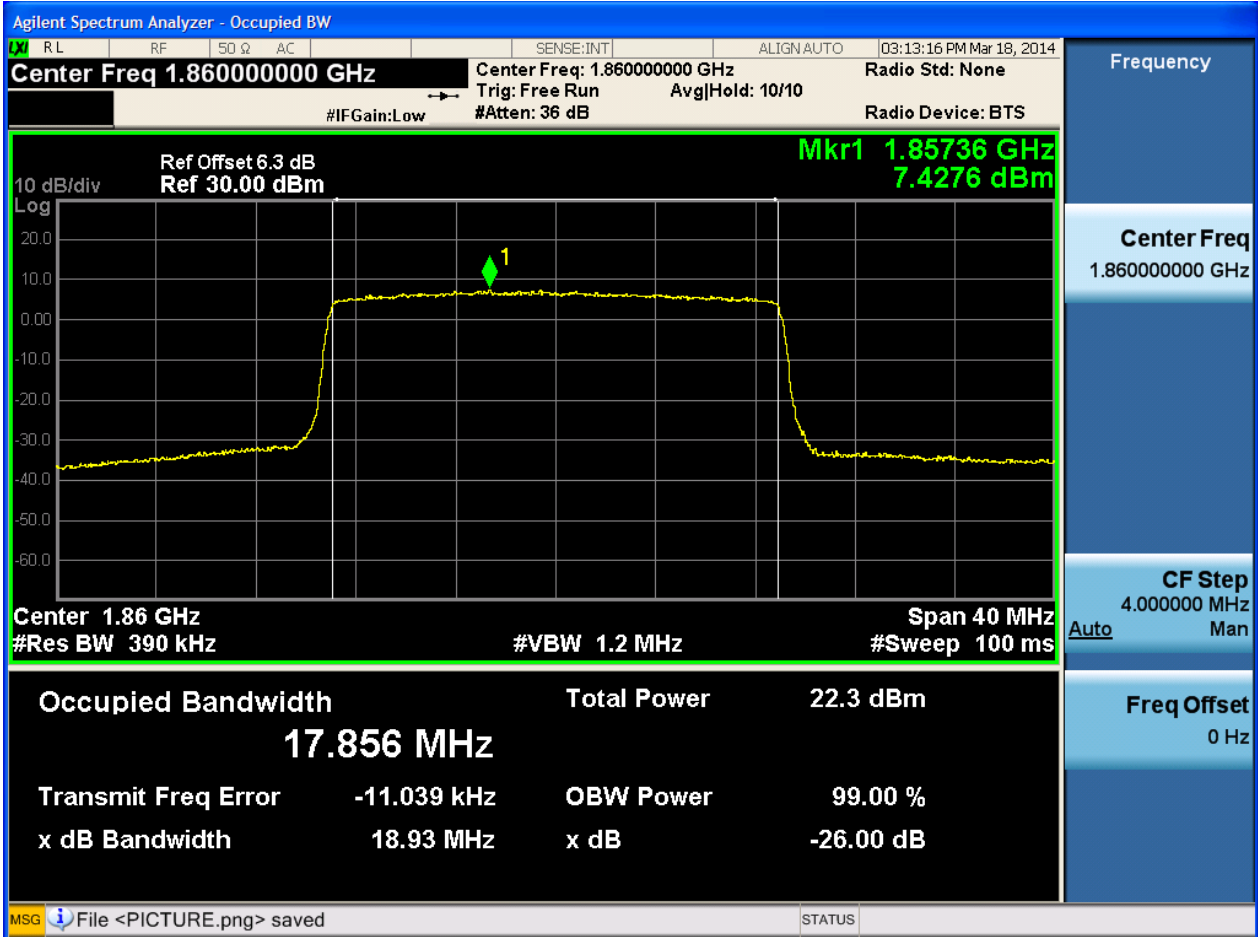




4.2.1.1.6 Test Bandwidth = 20

4.2.1.1.6.1 Test Channel = LCH

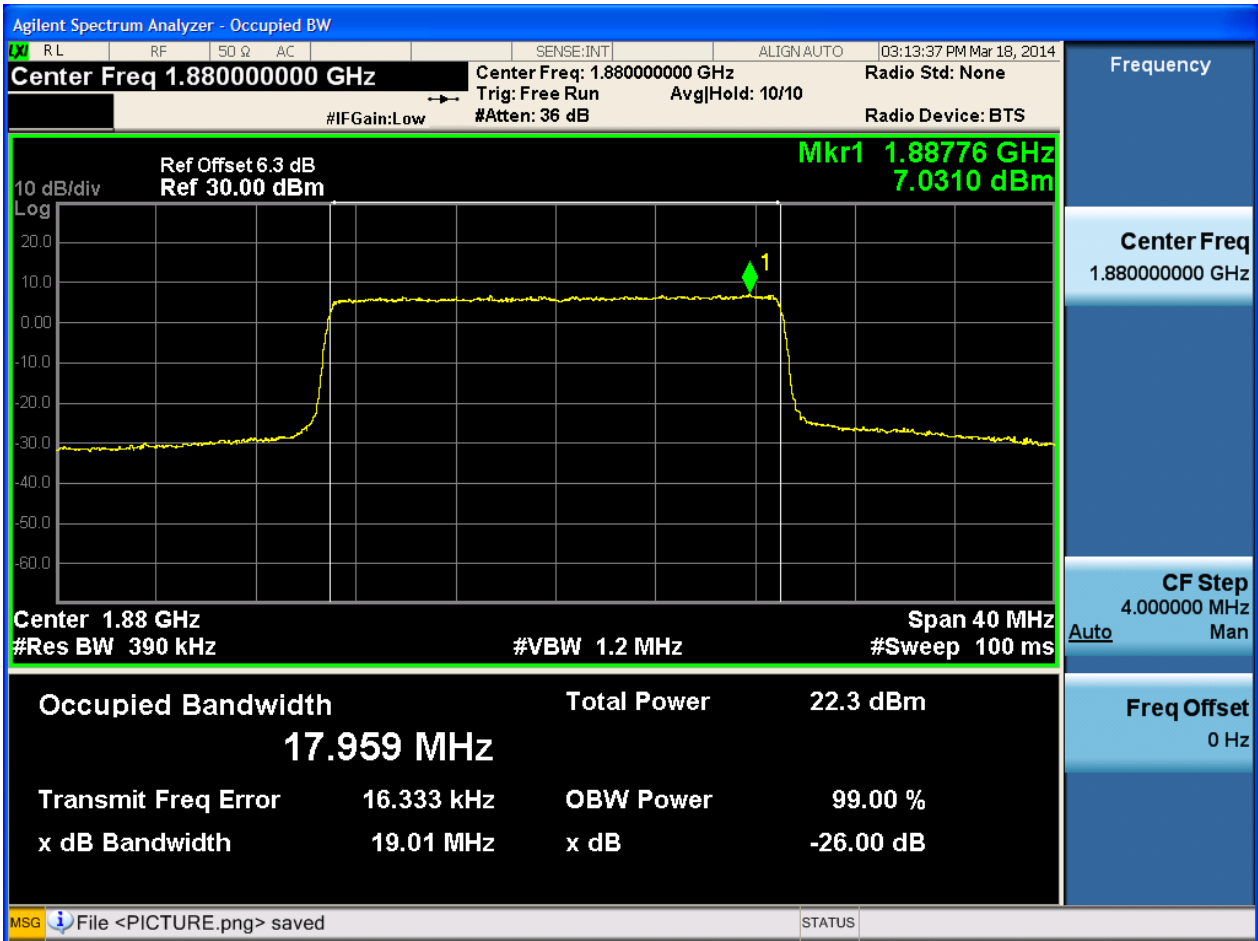
4.2.1.1.6.1.1 Test RB = RB100#0





4.2.1.1.6.2 Test Channel = MCH

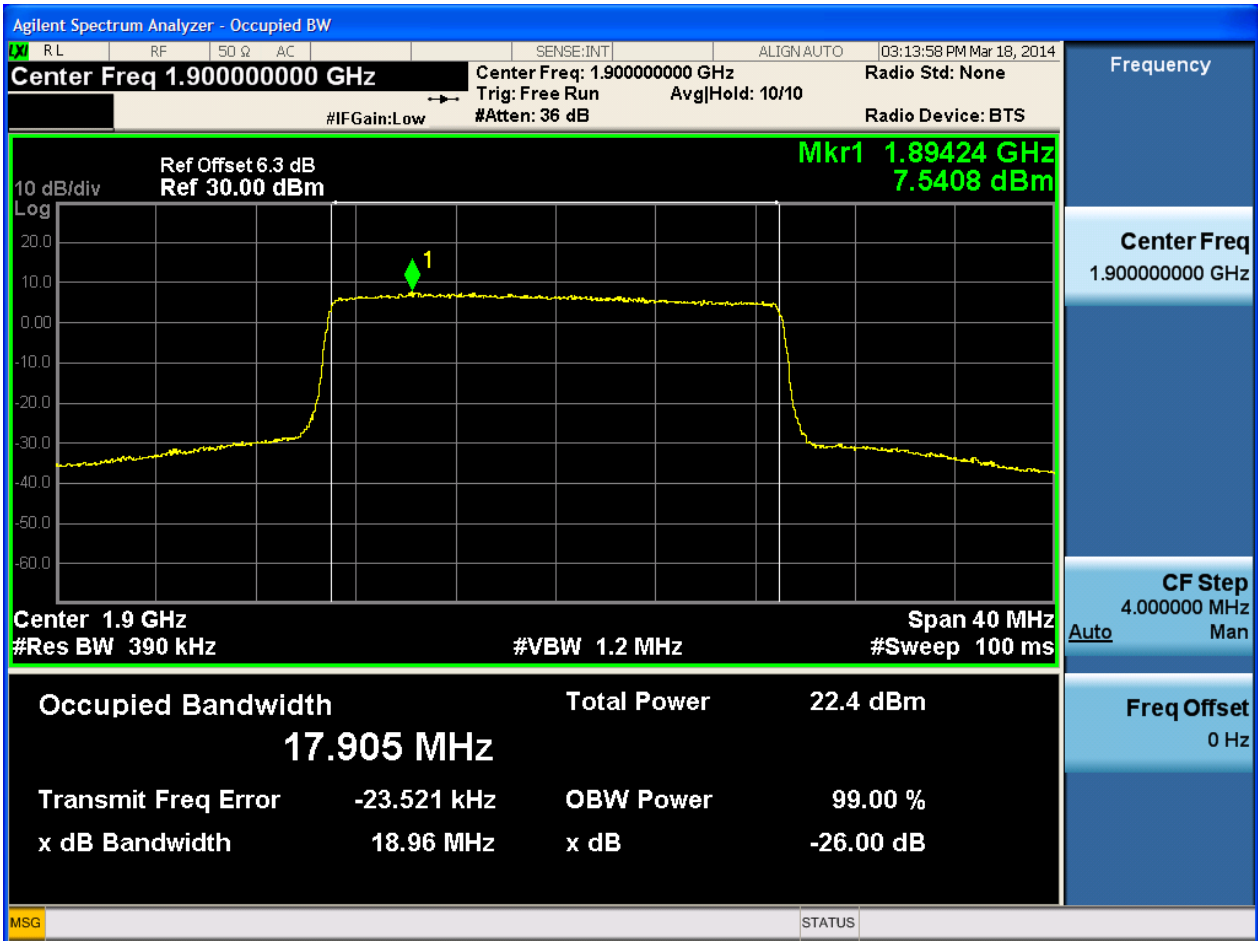
4.2.1.1.6.2.1 Test RB = RB100#0





4.2.1.1.6.3 Test Channel = HCH

4.2.1.1.6.3.1 Test RB = RB100#0



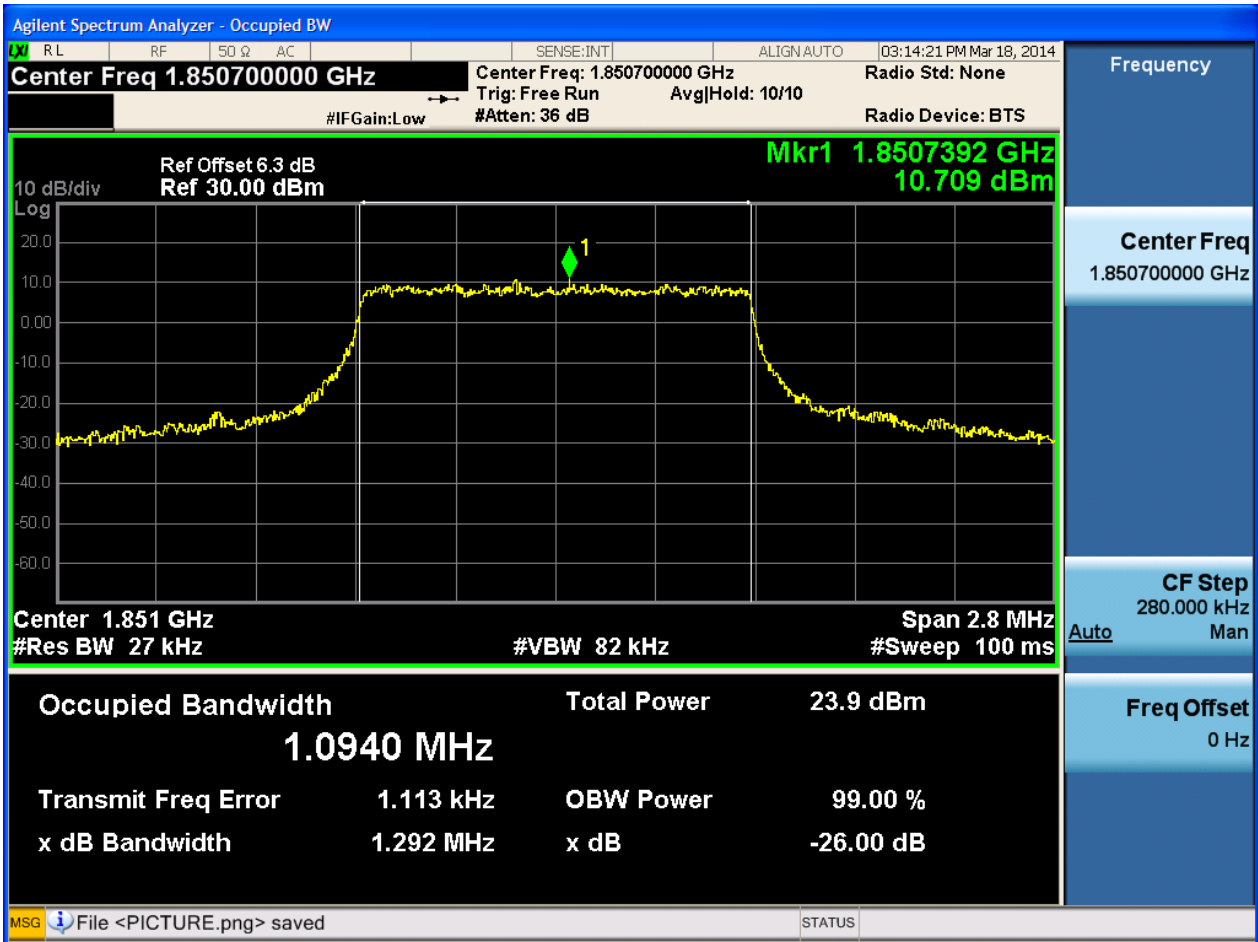


4.2.1.2 Test Mode = LTE/TM2

4.2.1.2.1 Test Bandwidth = 1.4

4.2.1.2.1.1 Test Channel = LCH

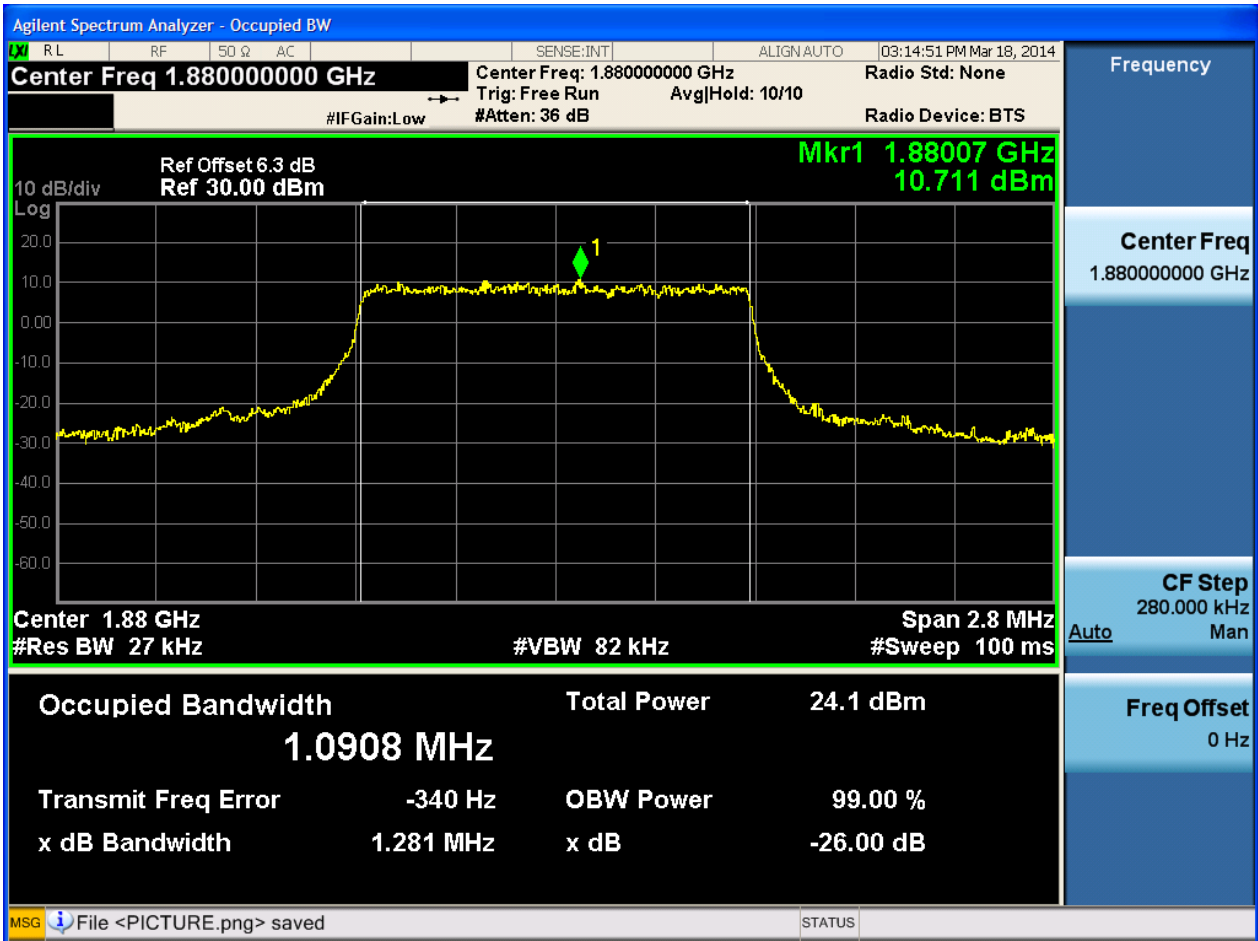
4.2.1.2.1.1.1 Test RB = RB6#0





4.2.1.2.1.2 Test Channel = MCH

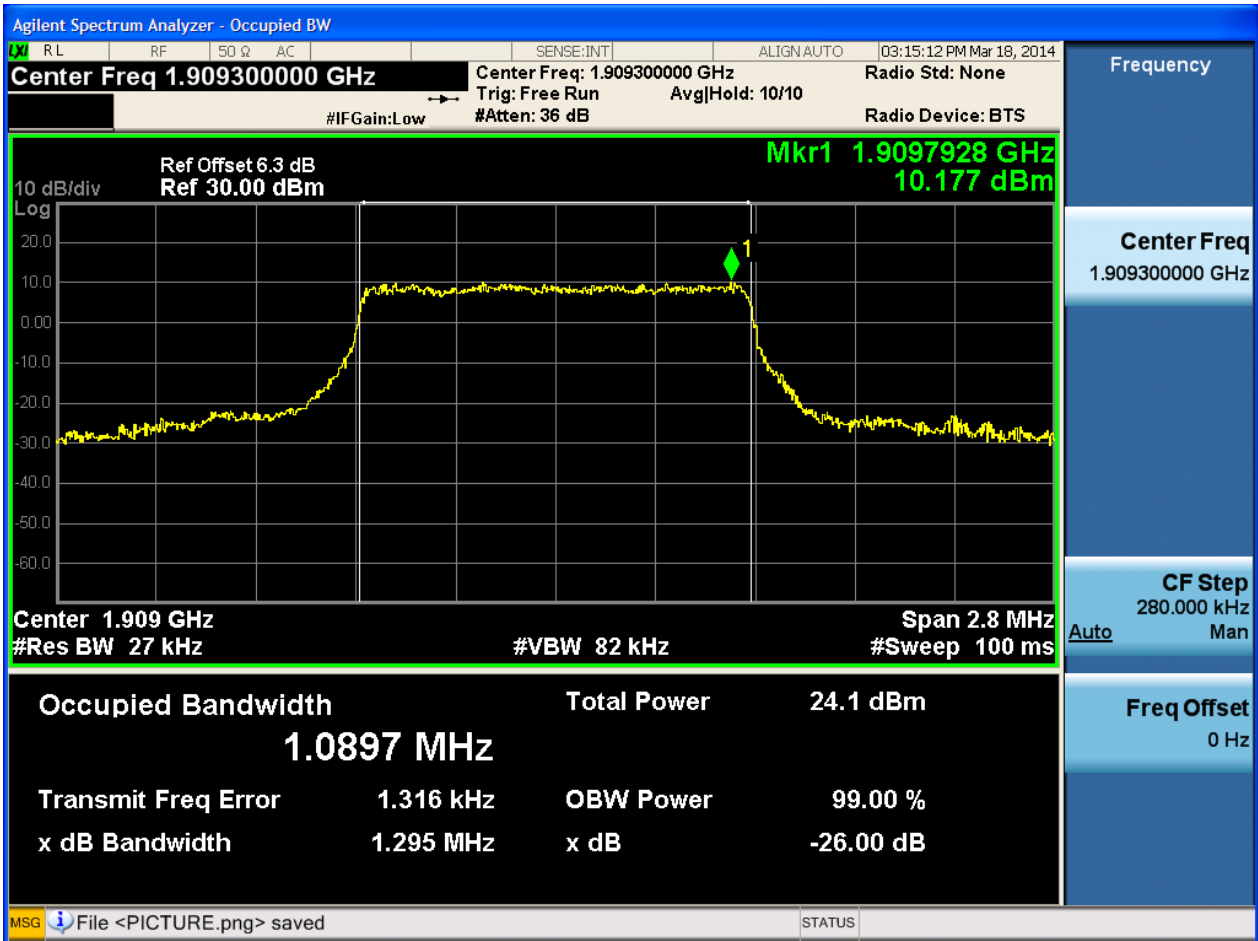
4.2.1.2.1.2.1 Test RB = RB6#0





4.2.1.2.1.3 Test Channel = HCH

4.2.1.2.1.3.1 Test RB = RB6#0

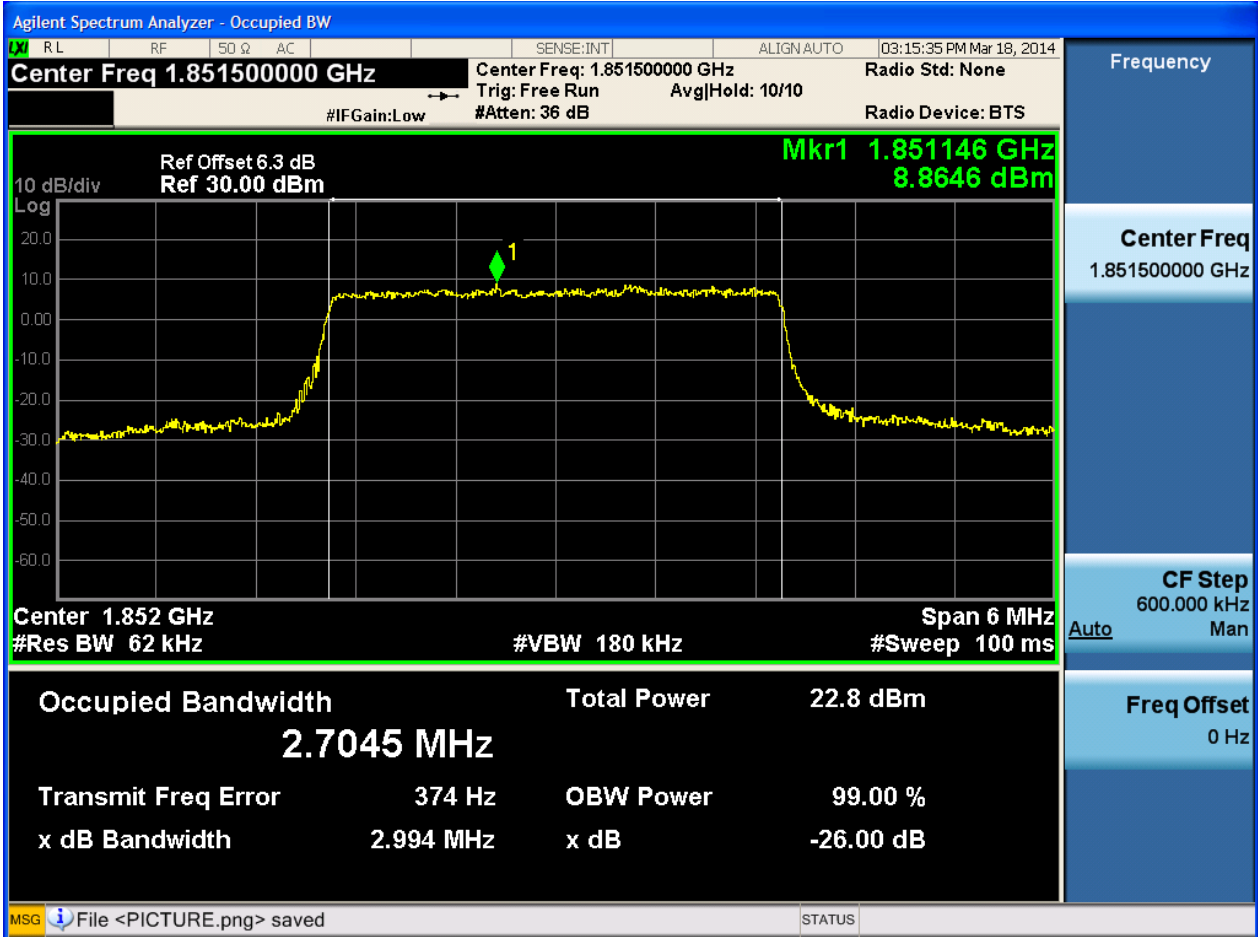




4.2.1.2.2 Test Bandwidth = 3

4.2.1.2.2.1 Test Channel = LCH

4.2.1.2.2.1.1 Test RB = RB15#0

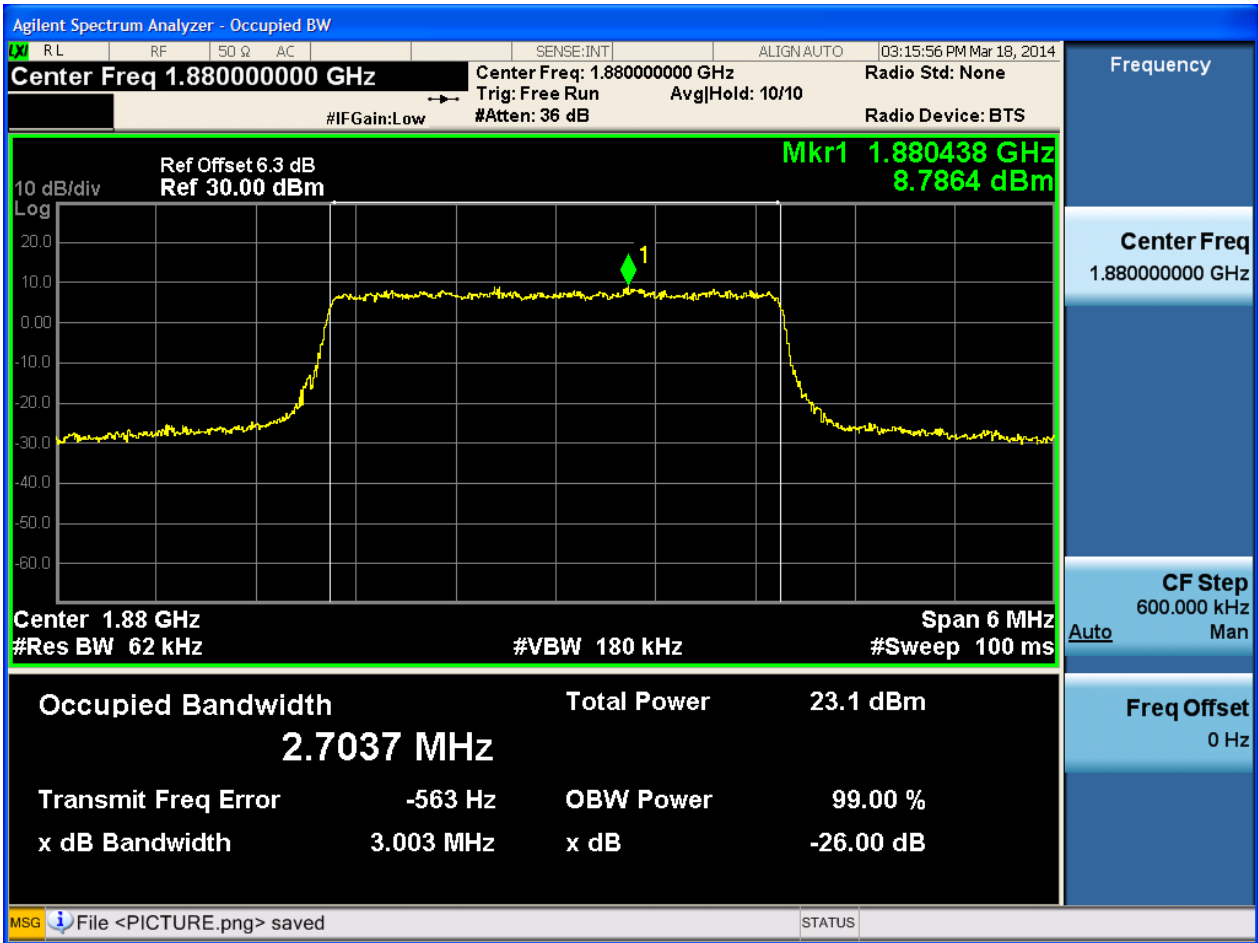






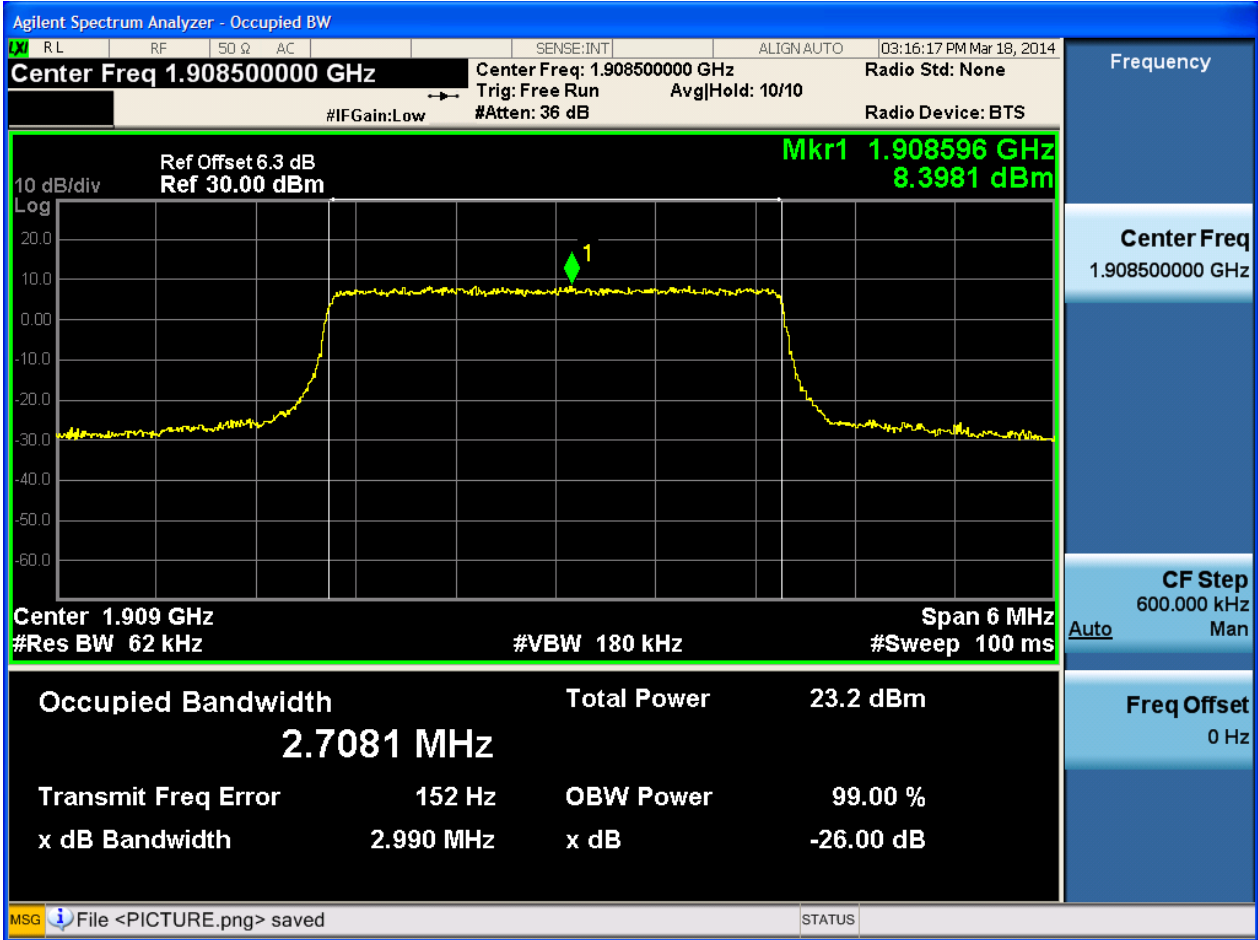
4.2.1.2.2.2 Test Channel = MCH

4.2.1.2.2.2.1 Test RB = RB15#0



4.2.1.2.2.3 Test Channel = HCH

4.2.1.2.2.3.1 Test RB = RB15#0

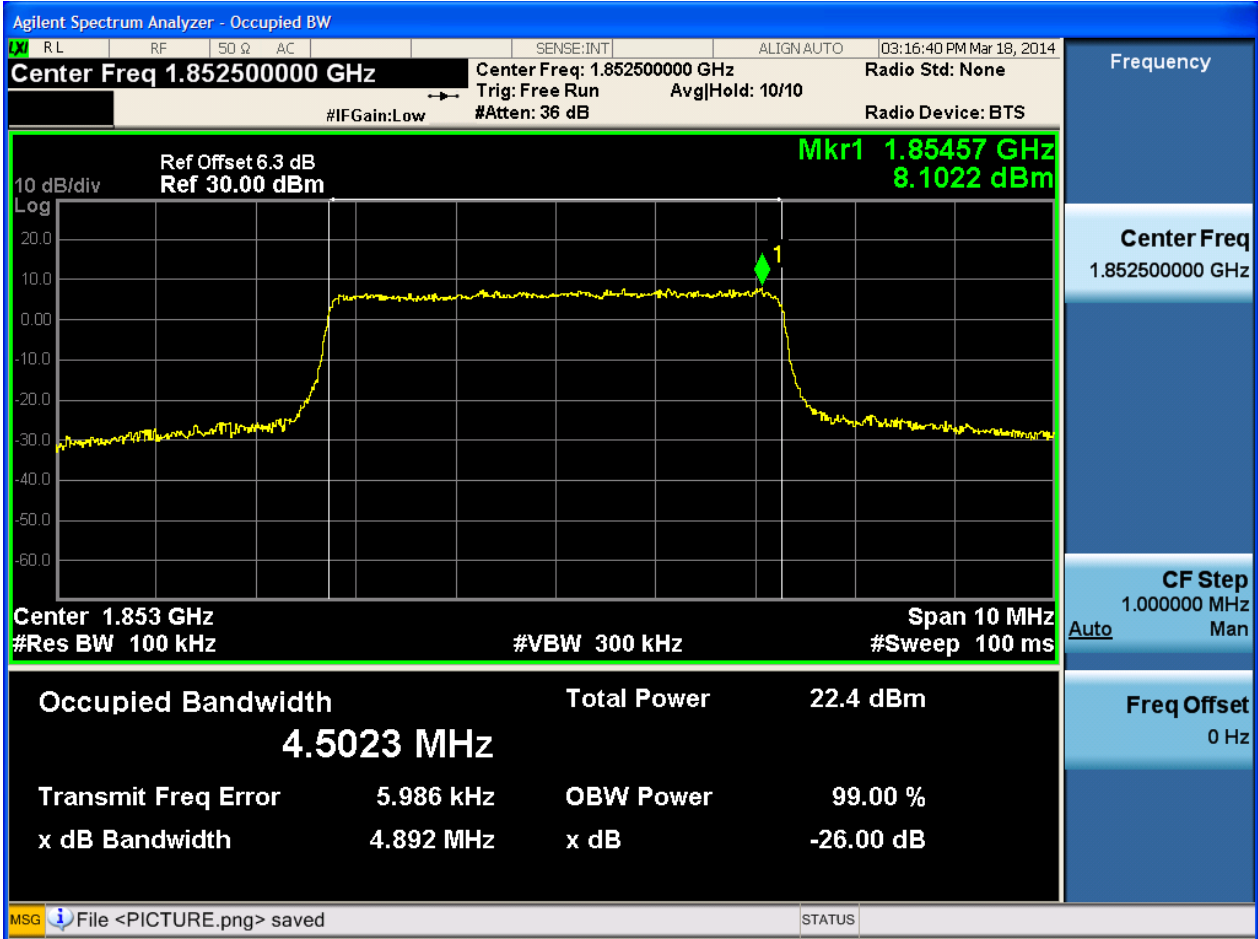




4.2.1.2.3 Test Bandwidth = 5

4.2.1.2.3.1 Test Channel = LCH

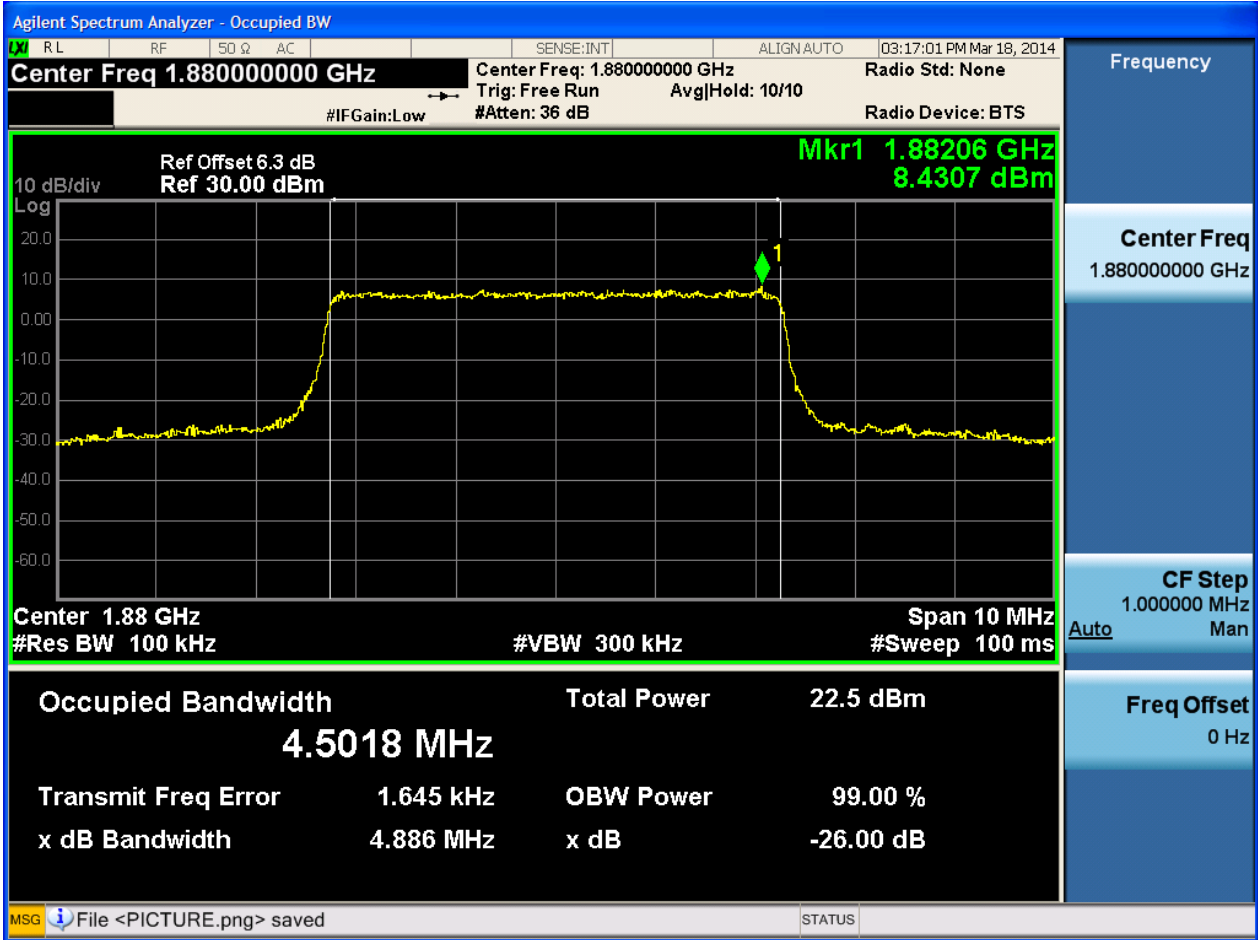
4.2.1.2.3.1.1 Test RB = RB25#0





4.2.1.2.3.2 Test Channel = MCH

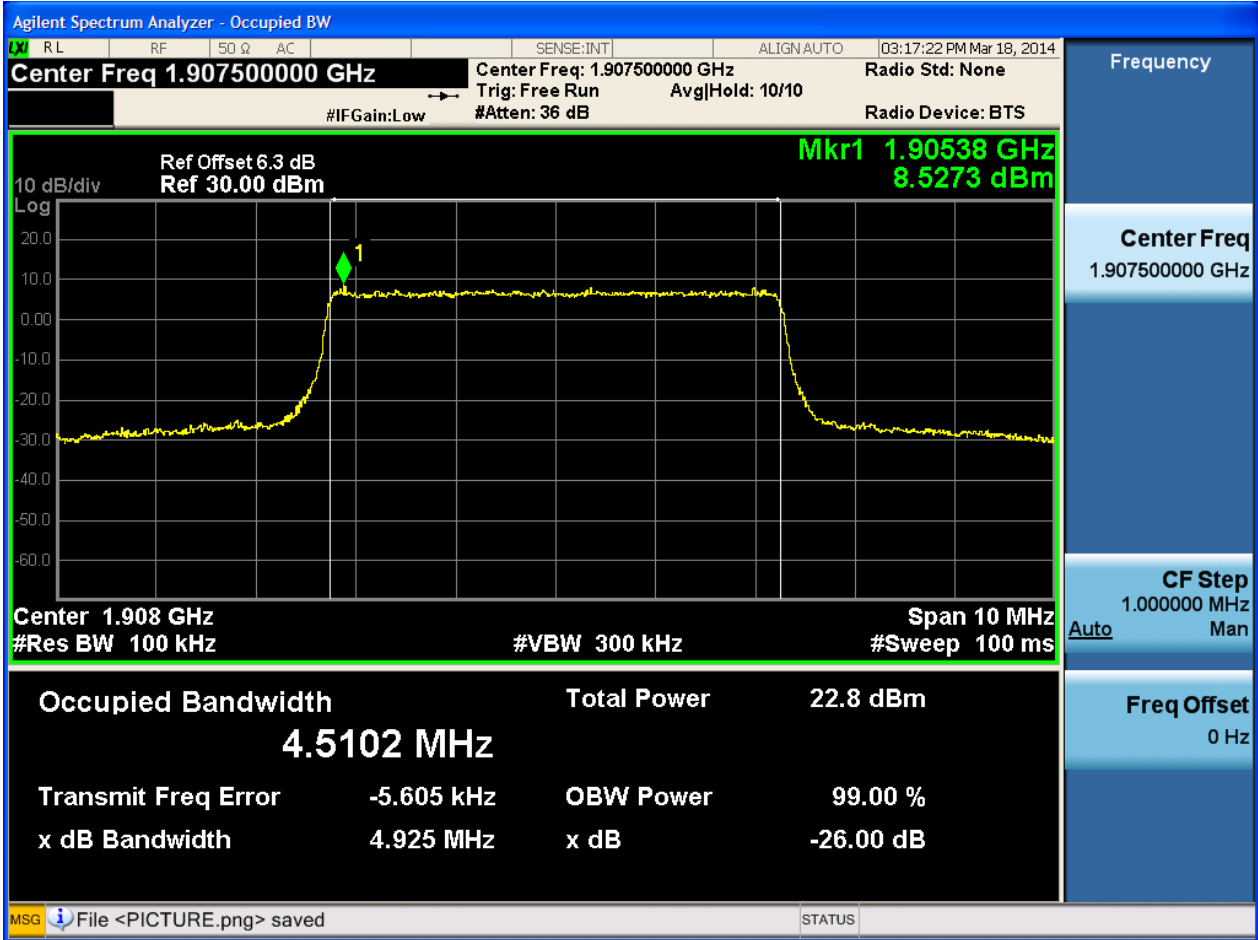
4.2.1.2.3.2.1 Test RB = RB25#0





4.2.1.2.3.3 Test Channel = HCH

4.2.1.2.3.3.1 Test RB = RB25#0

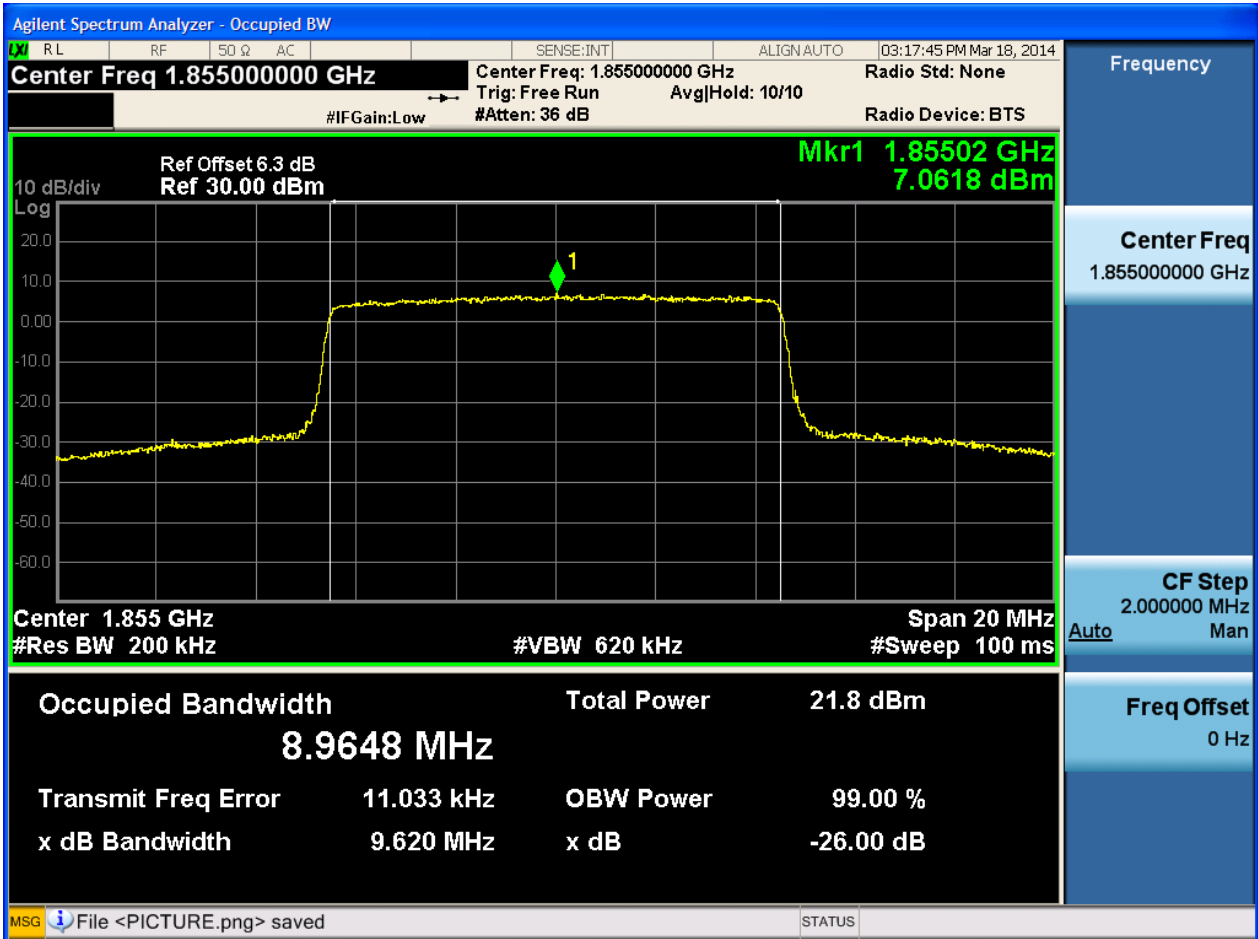




4.2.1.2.4 Test Bandwidth = 10

4.2.1.2.4.1 Test Channel = LCH

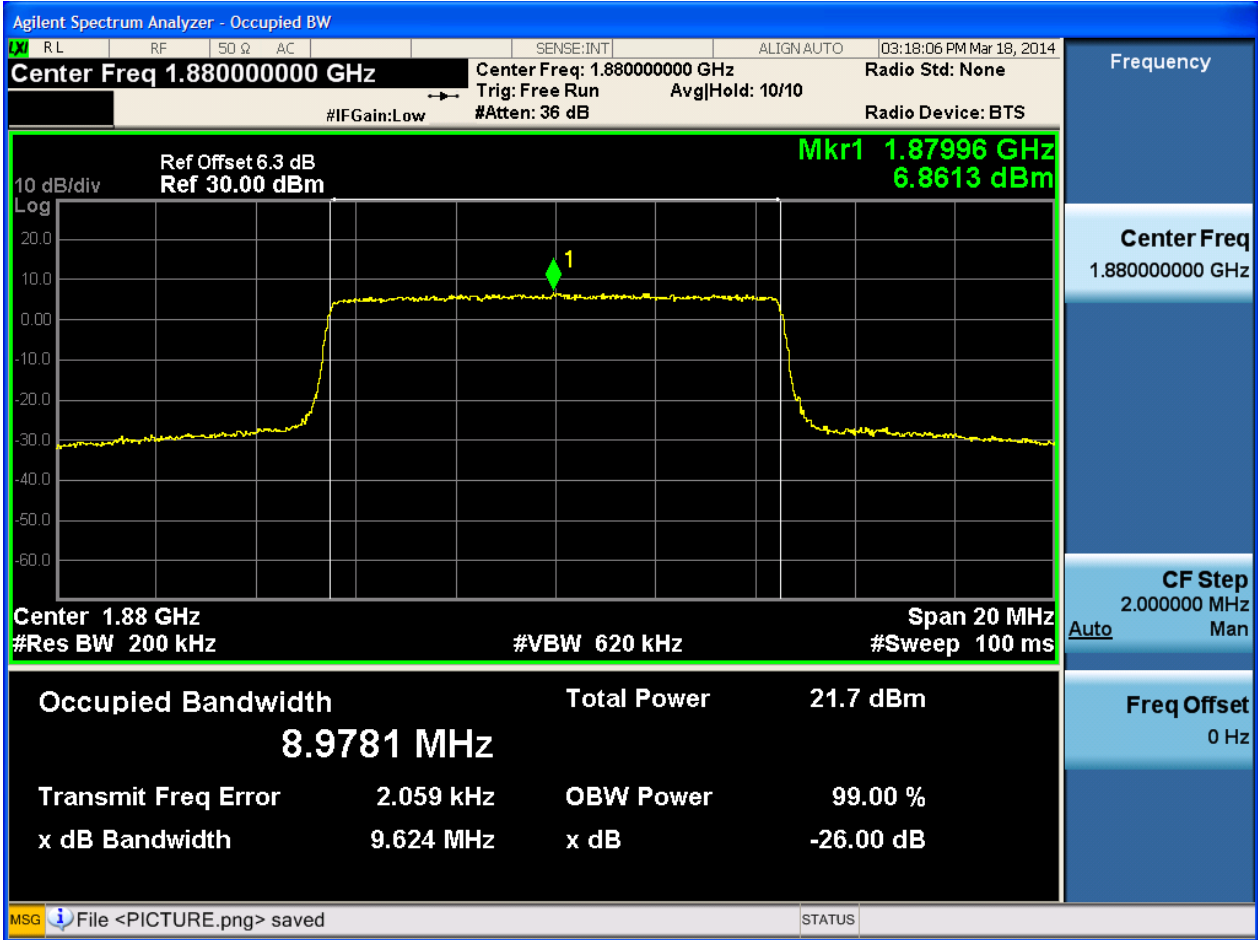
4.2.1.2.4.1.1 Test RB = RB50#0





4.2.1.2.4.2 Test Channel = MCH

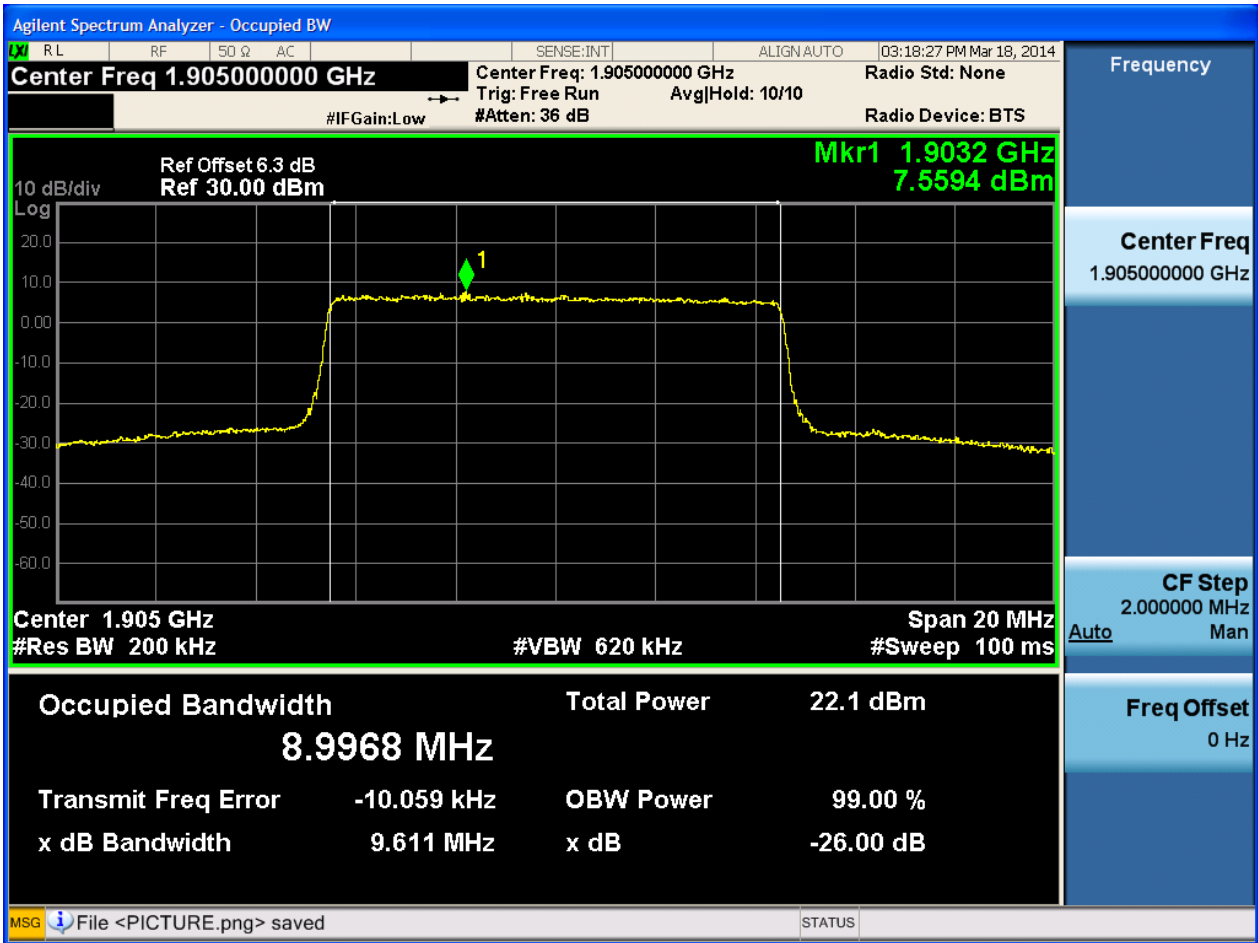
4.2.1.2.4.2.1 Test RB = RB50#0





4.2.1.2.4.3 Test Channel = HCH

4.2.1.2.4.3.1 Test RB = RB50#0



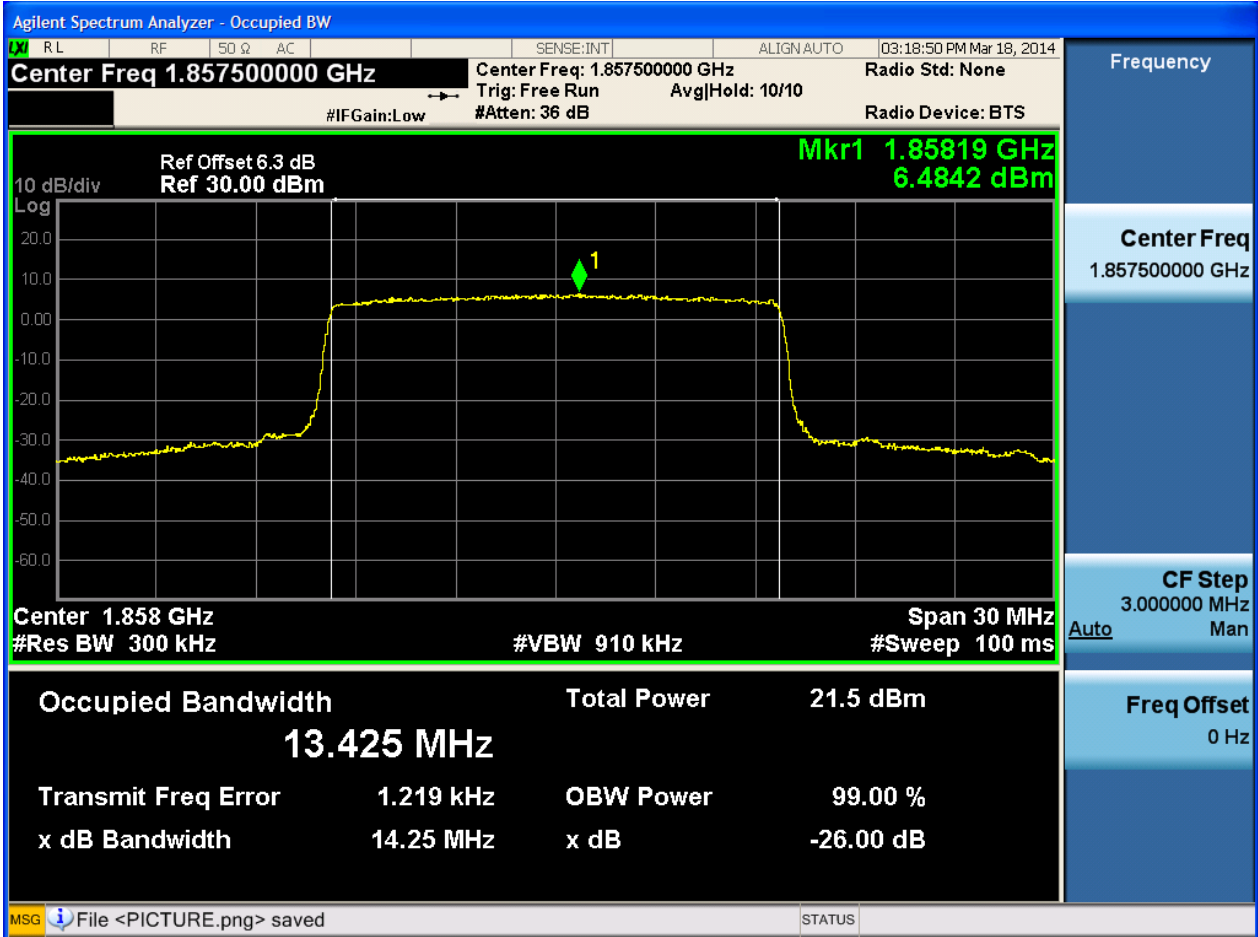




4.2.1.2.5 Test Bandwidth = 15

4.2.1.2.5.1 Test Channel = LCH

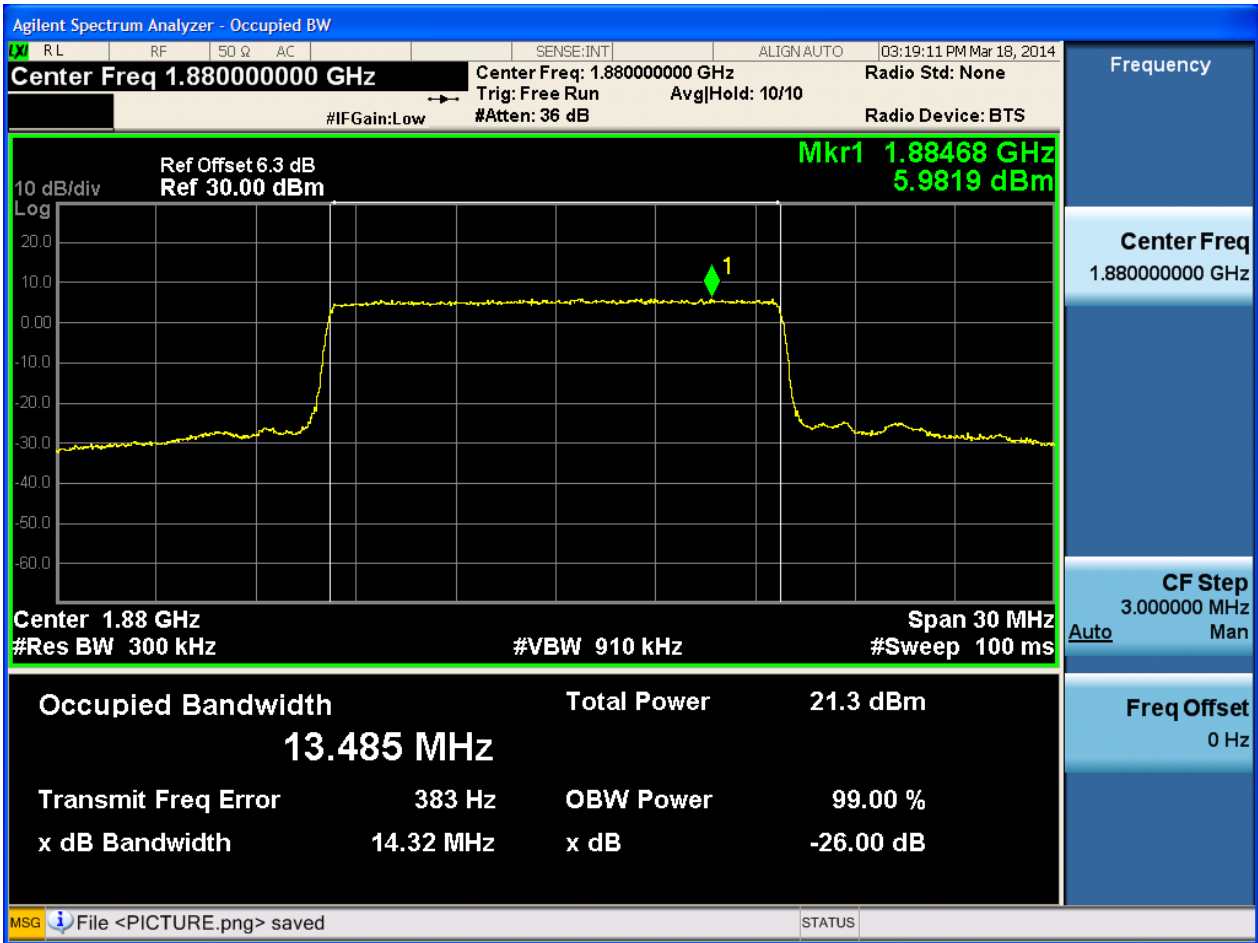
4.2.1.2.5.1.1 Test RB = RB75#0





4.2.1.2.5.2 Test Channel = MCH

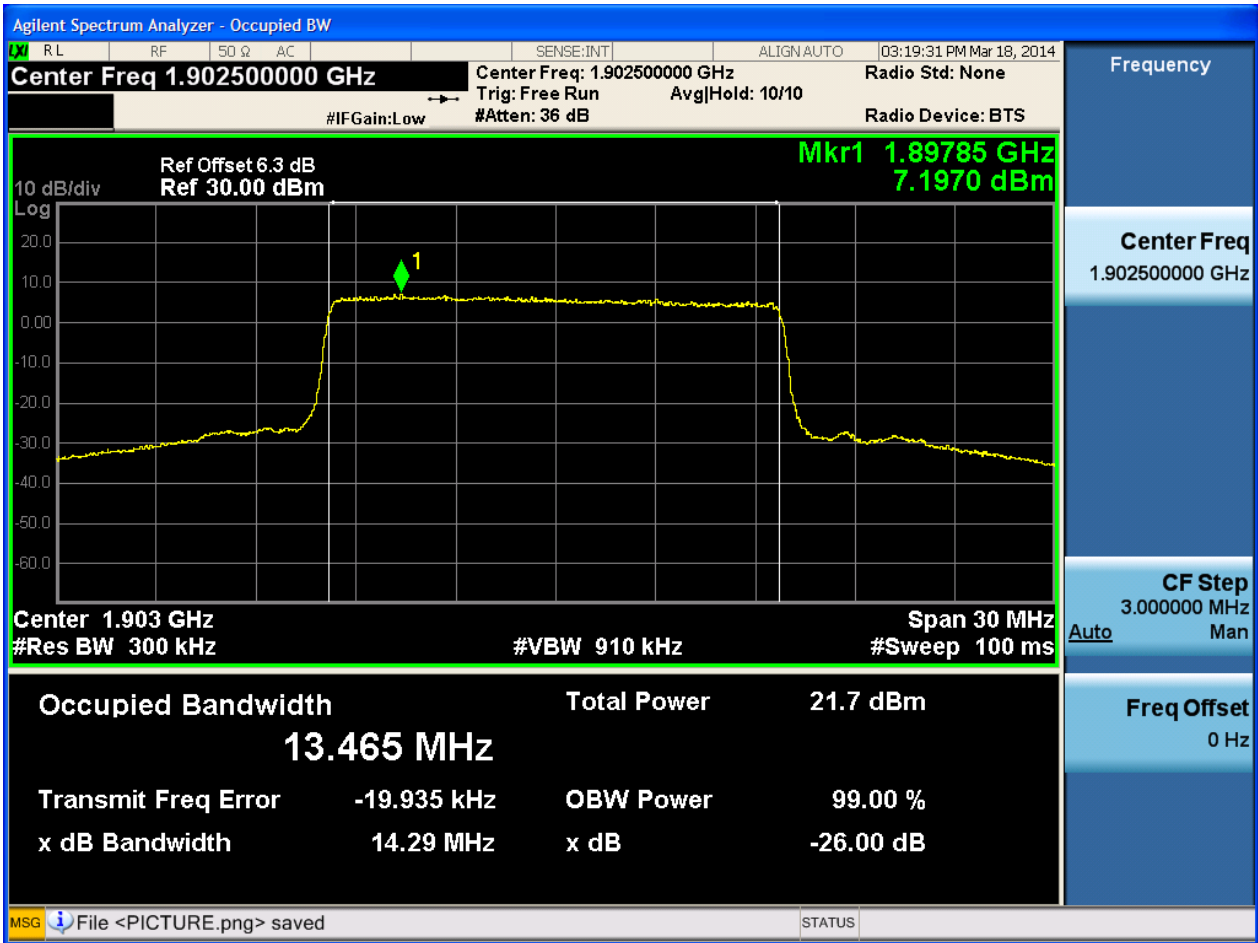
4.2.1.2.5.2.1 Test RB = RB75#0





### 4.2.1.2.5.3 Test Channel = HCH

#### 4.2.1.2.5.3.1 Test RB = RB75#0

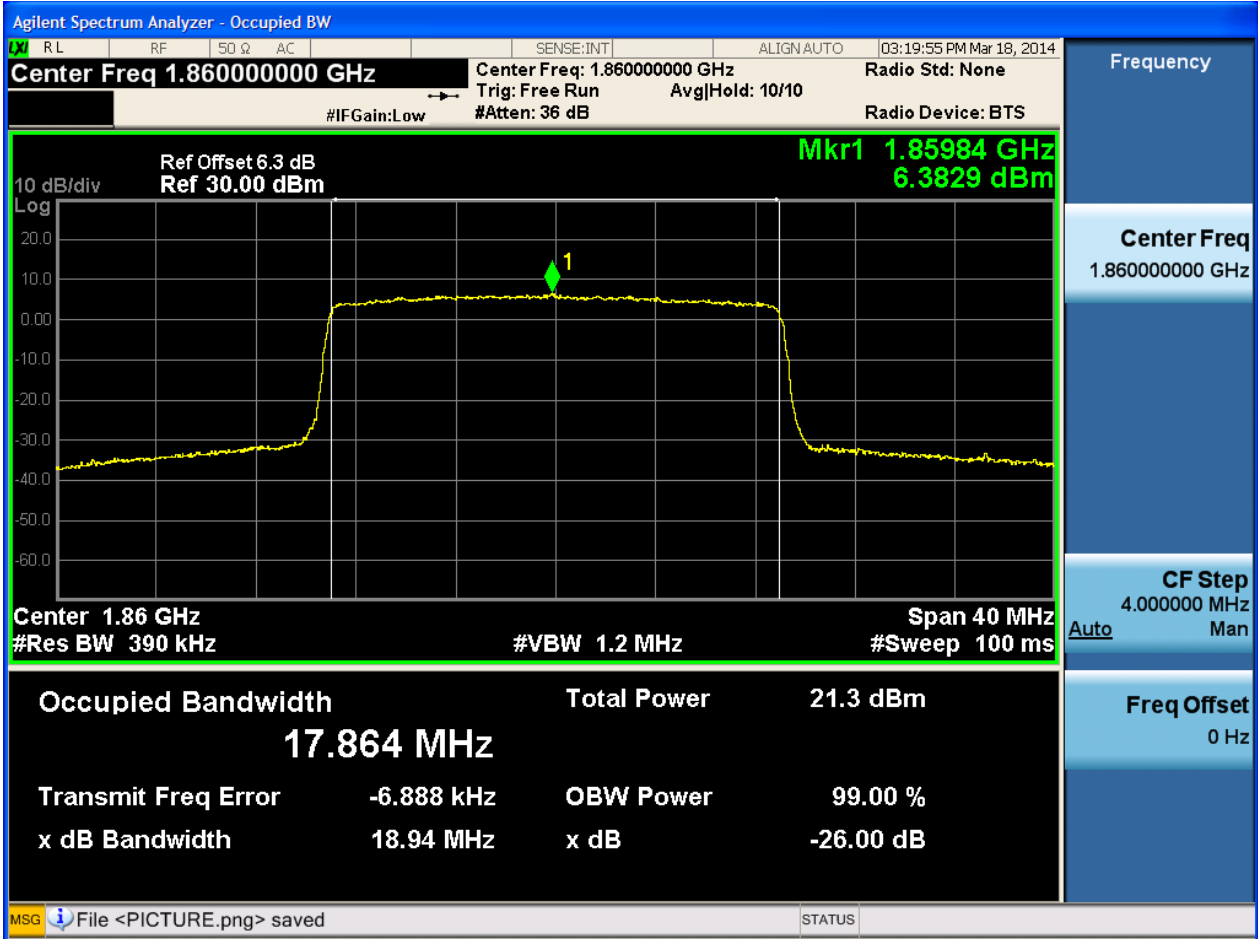




4.2.1.2.6 Test Bandwidth = 20

4.2.1.2.6.1 Test Channel = LCH

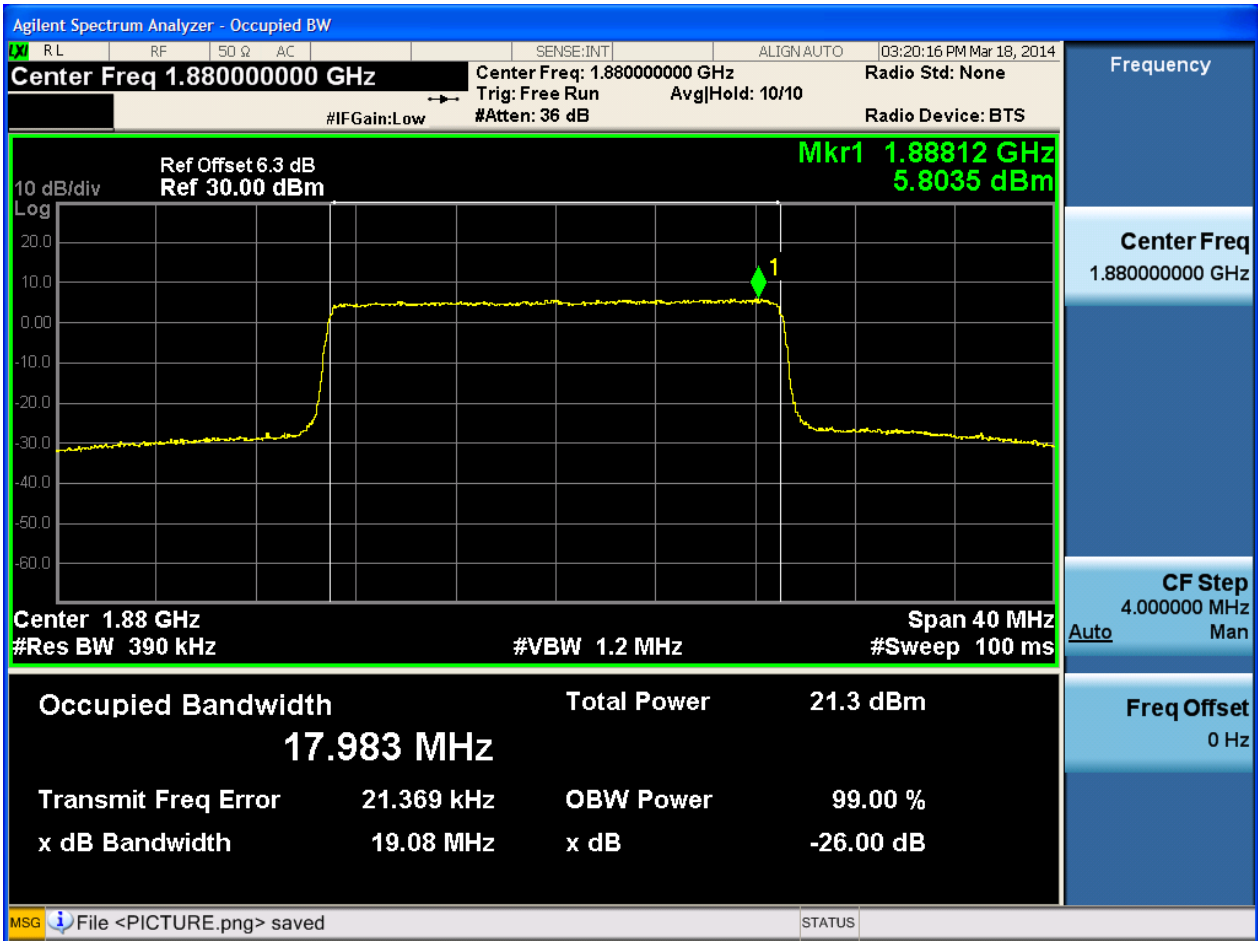
4.2.1.2.6.1.1 Test RB = RB100#0





4.2.1.2.6.2 Test Channel = MCH

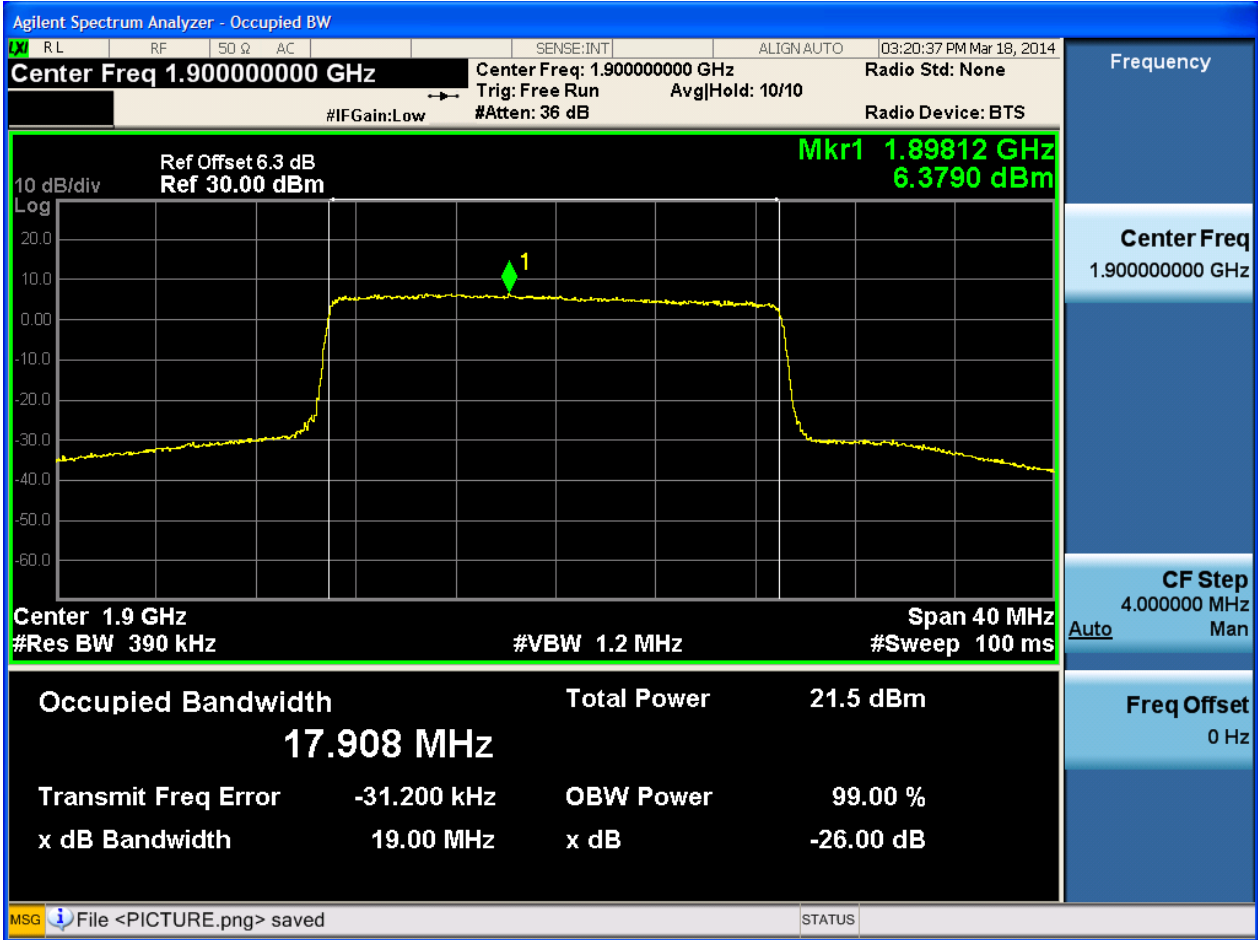
4.2.1.2.6.2.1 Test RB = RB100#0





4.2.1.2.6.3 Test Channel = HCH

4.2.1.2.6.3.1 Test RB = RB100#0





## 5Appendix\_E: Band Edges Compliance

### Part I - Test Plots

#### 5.1 For UMTS

##### 5.1.1 Test Band = WCDMA1900

##### 5.1.1.1 Test Mode = UMTS/TM1

##### 5.1.1.1.1 Test Channel = LCH



## 5.1.1.1.2 Test Channel = HCH







## 5.2 For LTE

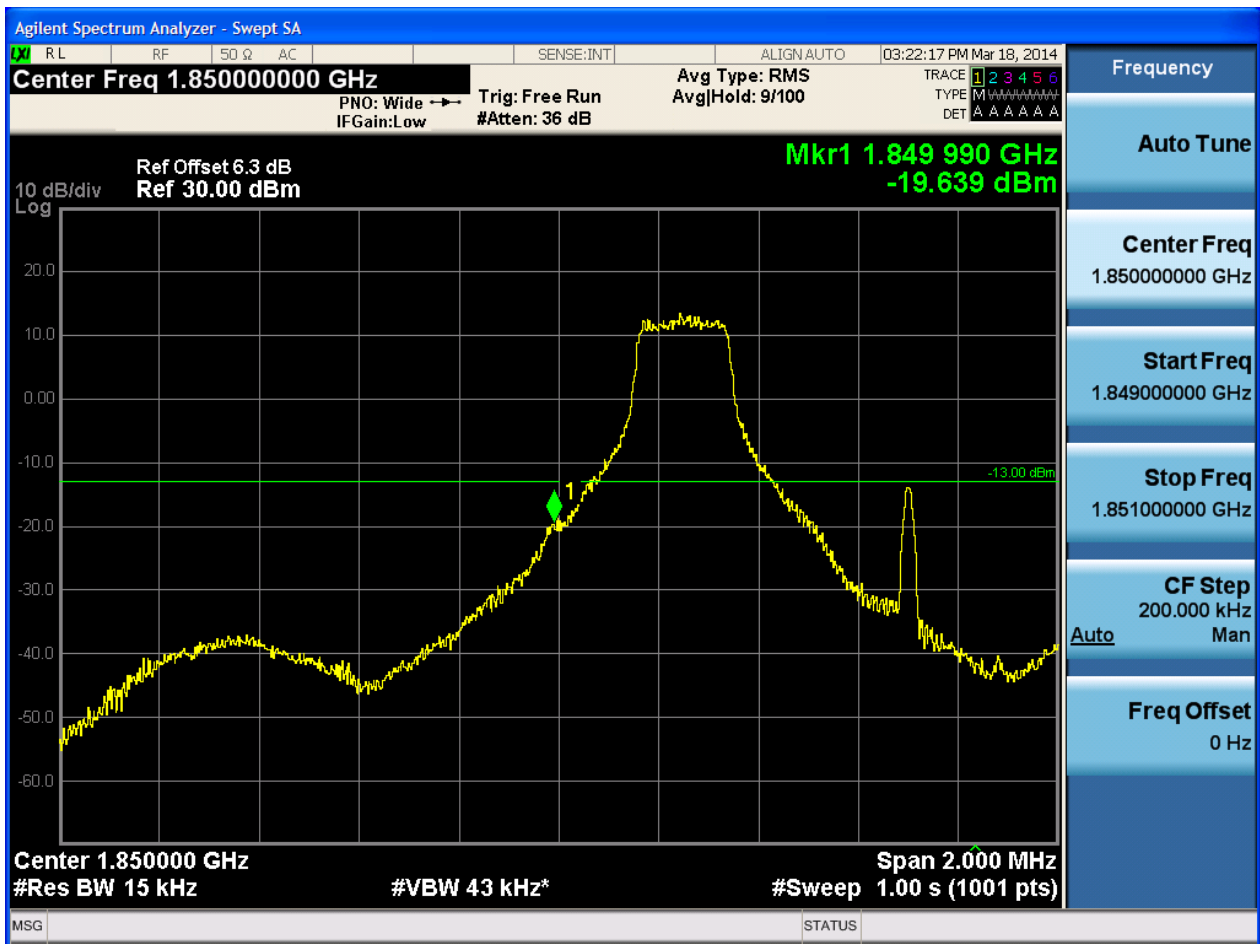
### 5.2.1 Test Band = BAND2

#### 5.2.1.1 Test Mode = LTE/TM1

##### 5.2.1.1.1 Test Bandwidth = 1.4

##### 5.2.1.1.1.1 Test Channel = LCH

##### 5.2.1.1.1.1.1 Test RB = RB1#0





5.2.1.1.1.2 Test RB = RB1#5



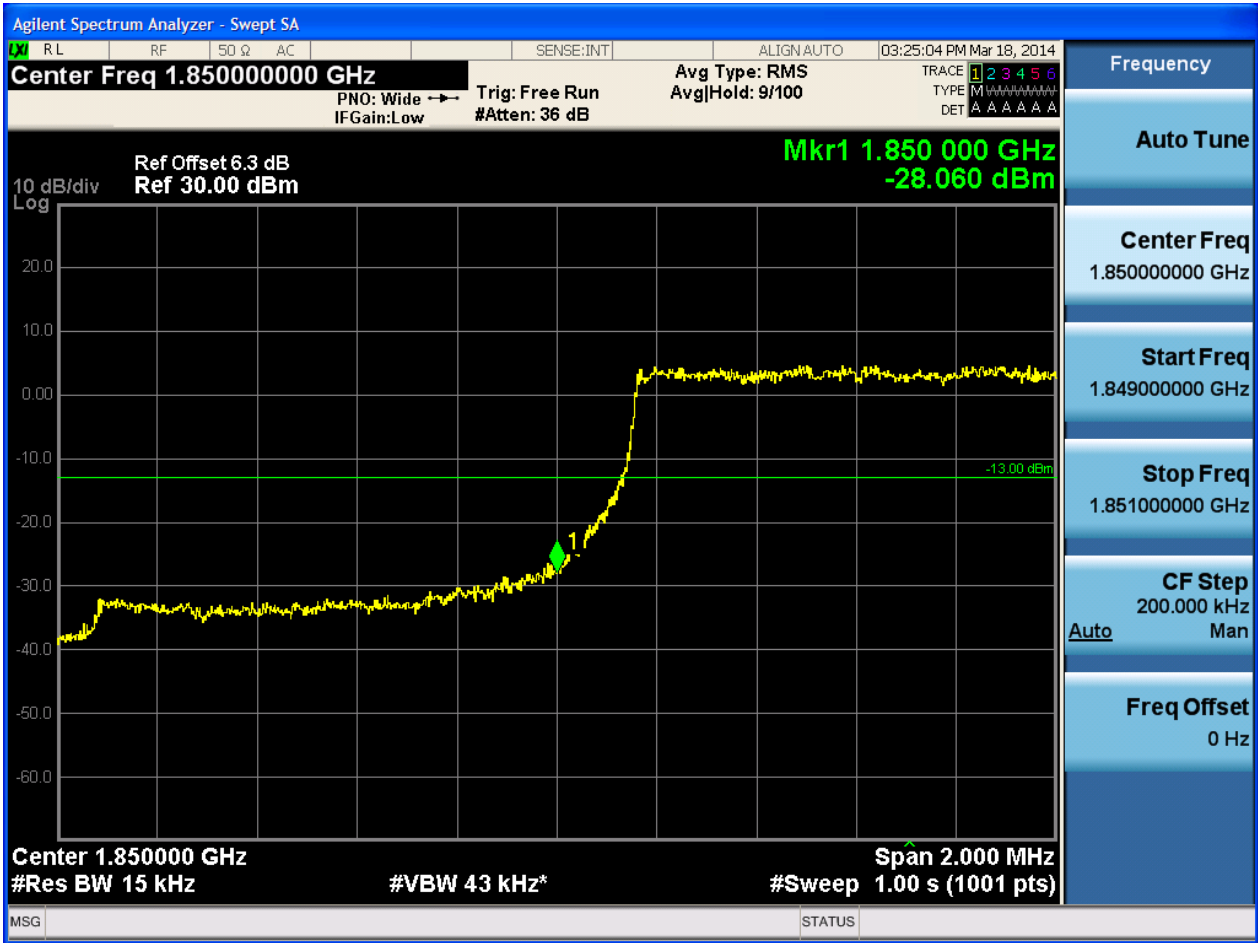


5.2.1.1.1.3 Test RB = RB3#2





5.2.1.1.1.4 Test RB = RB6#0





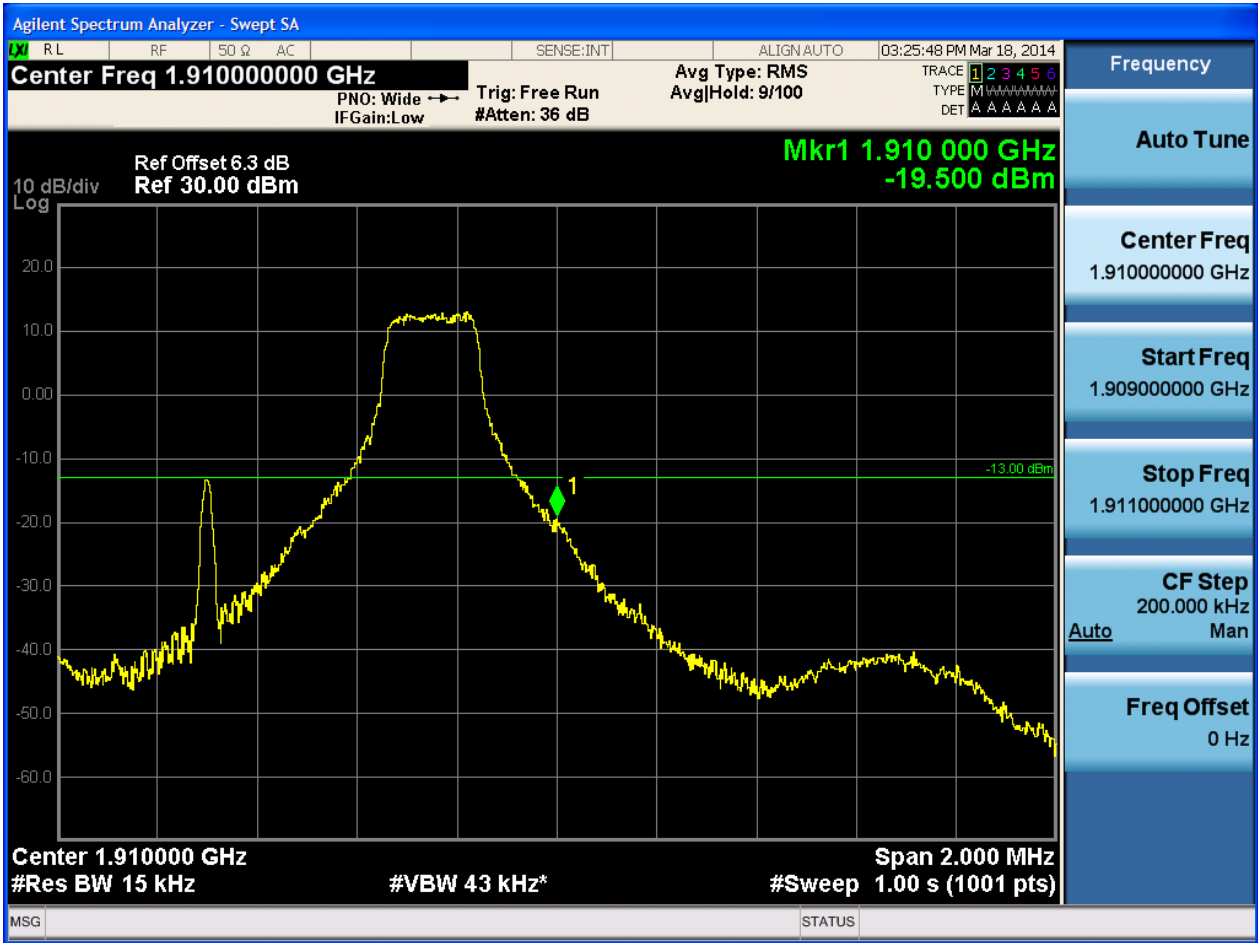
5.2.1.1.1.2 Test Channel = HCH

5.2.1.1.1.2.1 Test RB = RB1#0





5.2.1.1.1.2.2 Test RB = RB1#5



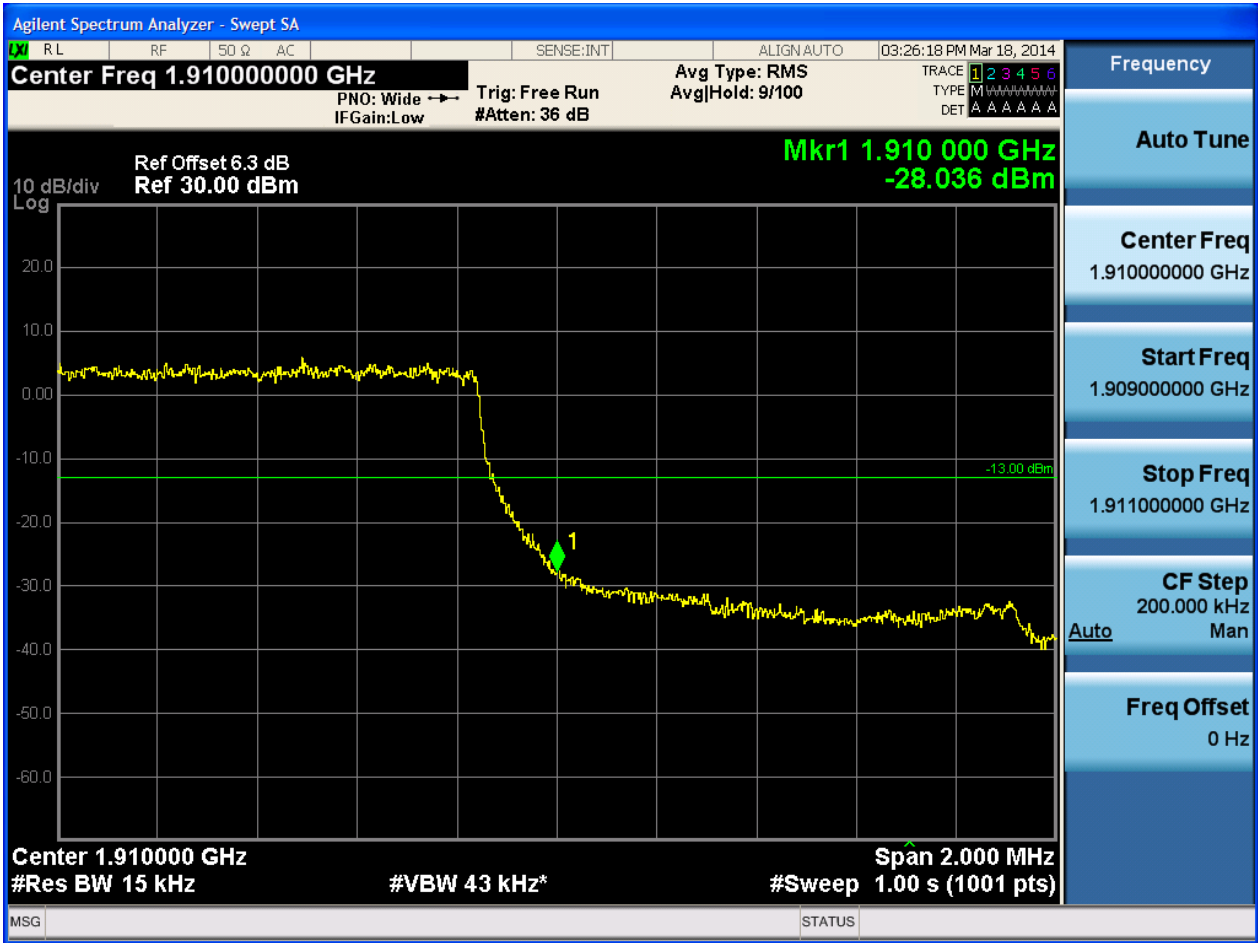


5.2.1.1.1.2.3 Test RB = RB3#2





5.2.1.1.1.2.4 Test RB = RB6#0



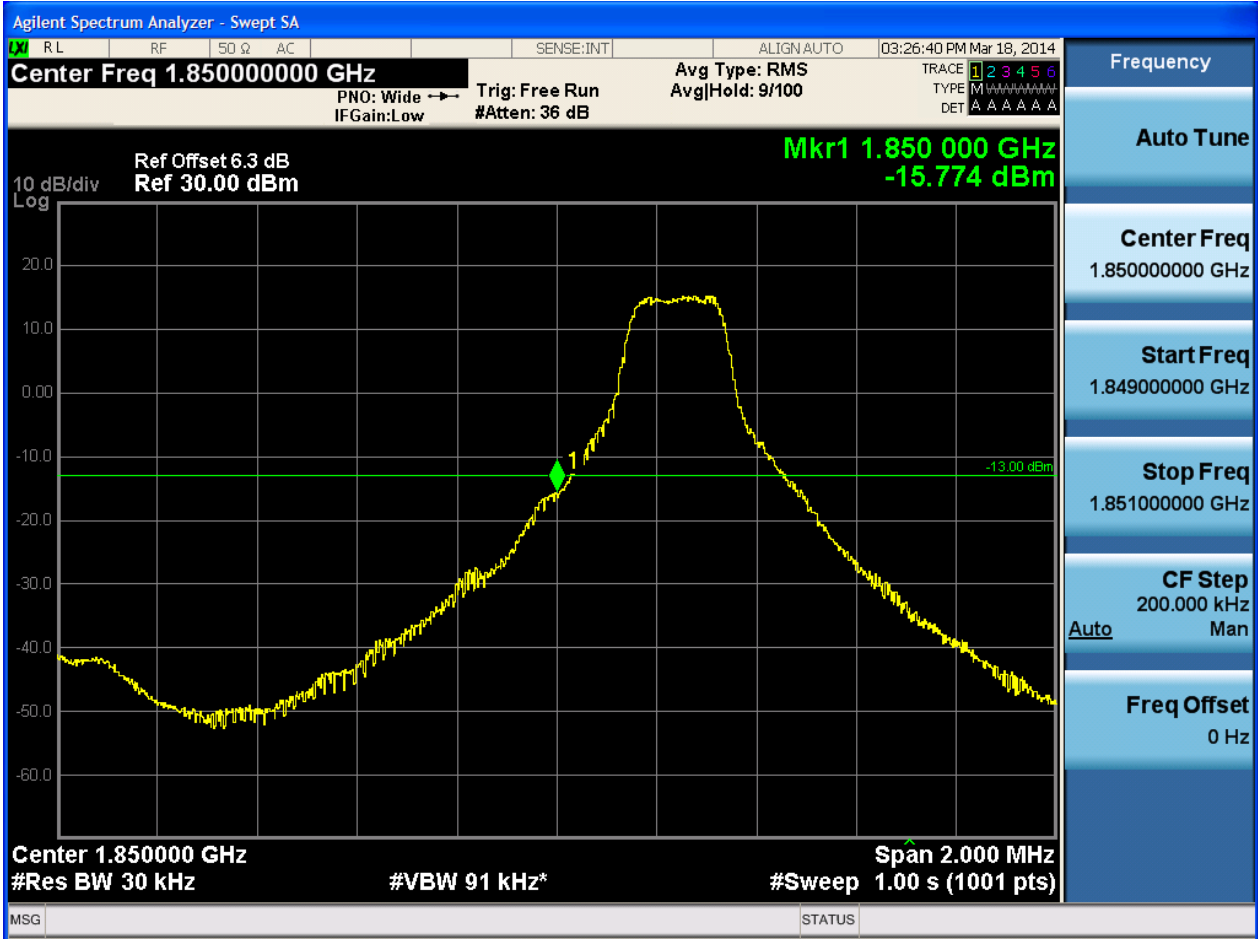




5.2.1.1.2 Test Bandwidth = 3

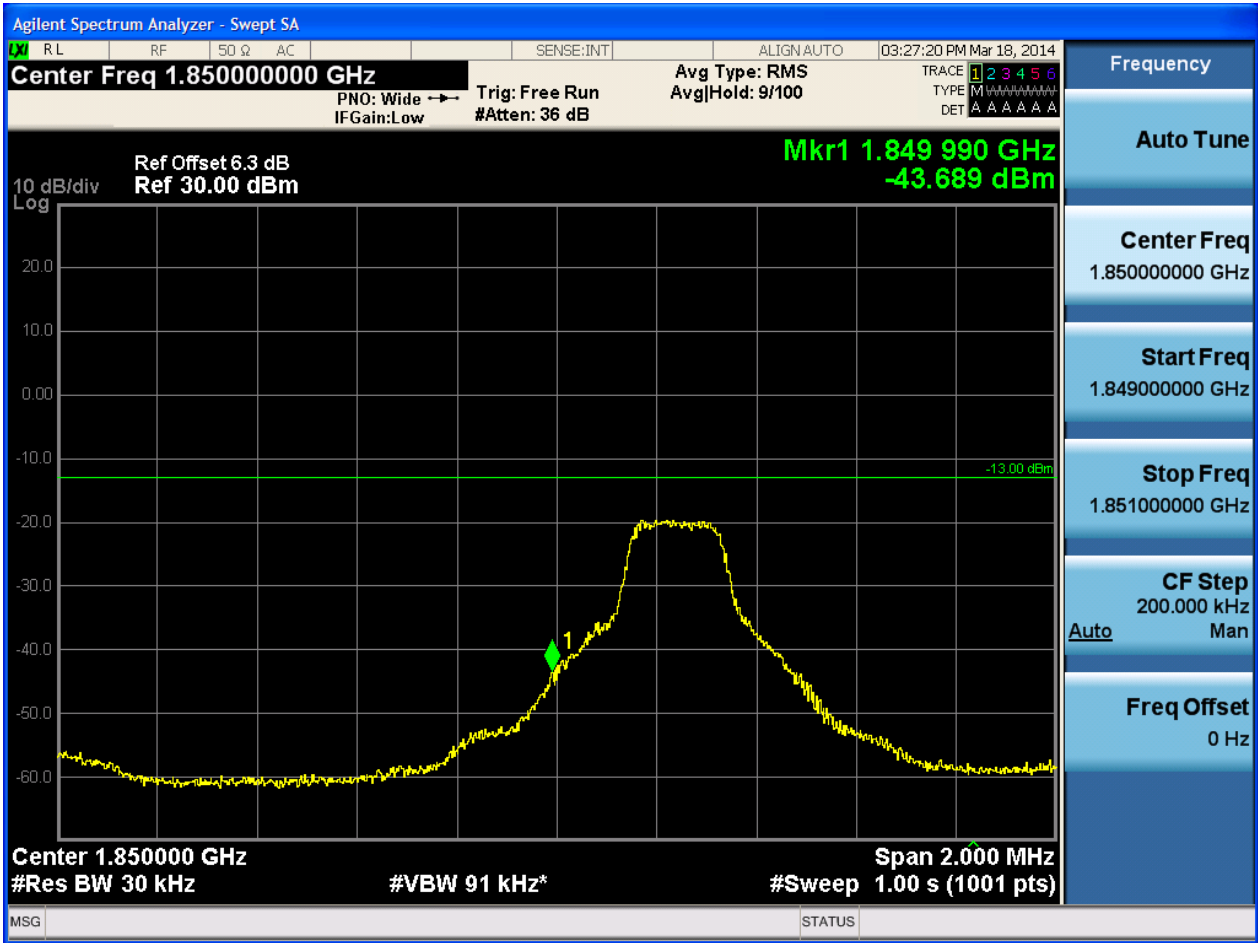
5.2.1.1.2.1 Test Channel = LCH

5.2.1.1.2.1.1 Test RB = RB1#0





5.2.1.1.2.1.2 Test RB = RB1#14



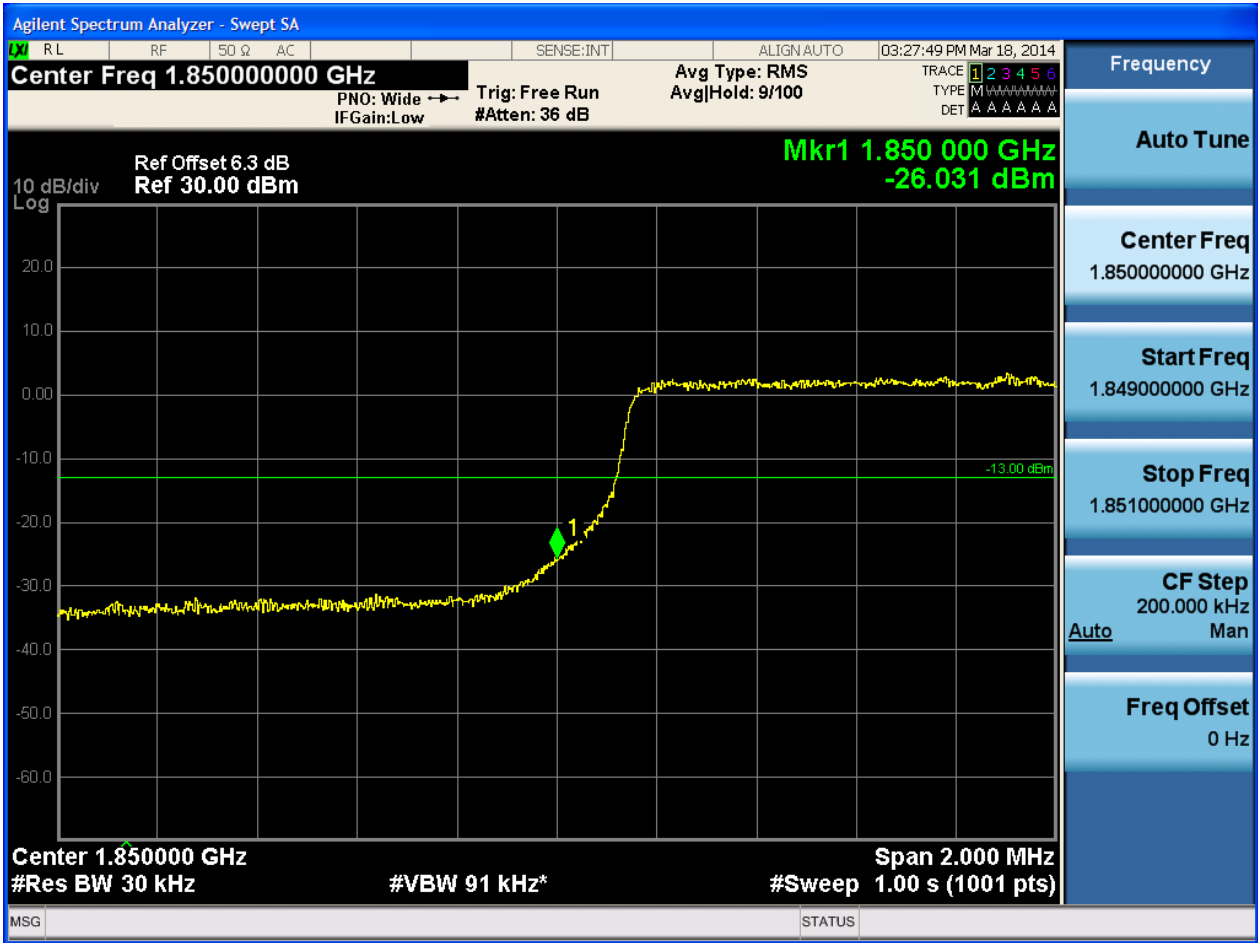


5.2.1.1.2.1.3 Test RB = RB8#4





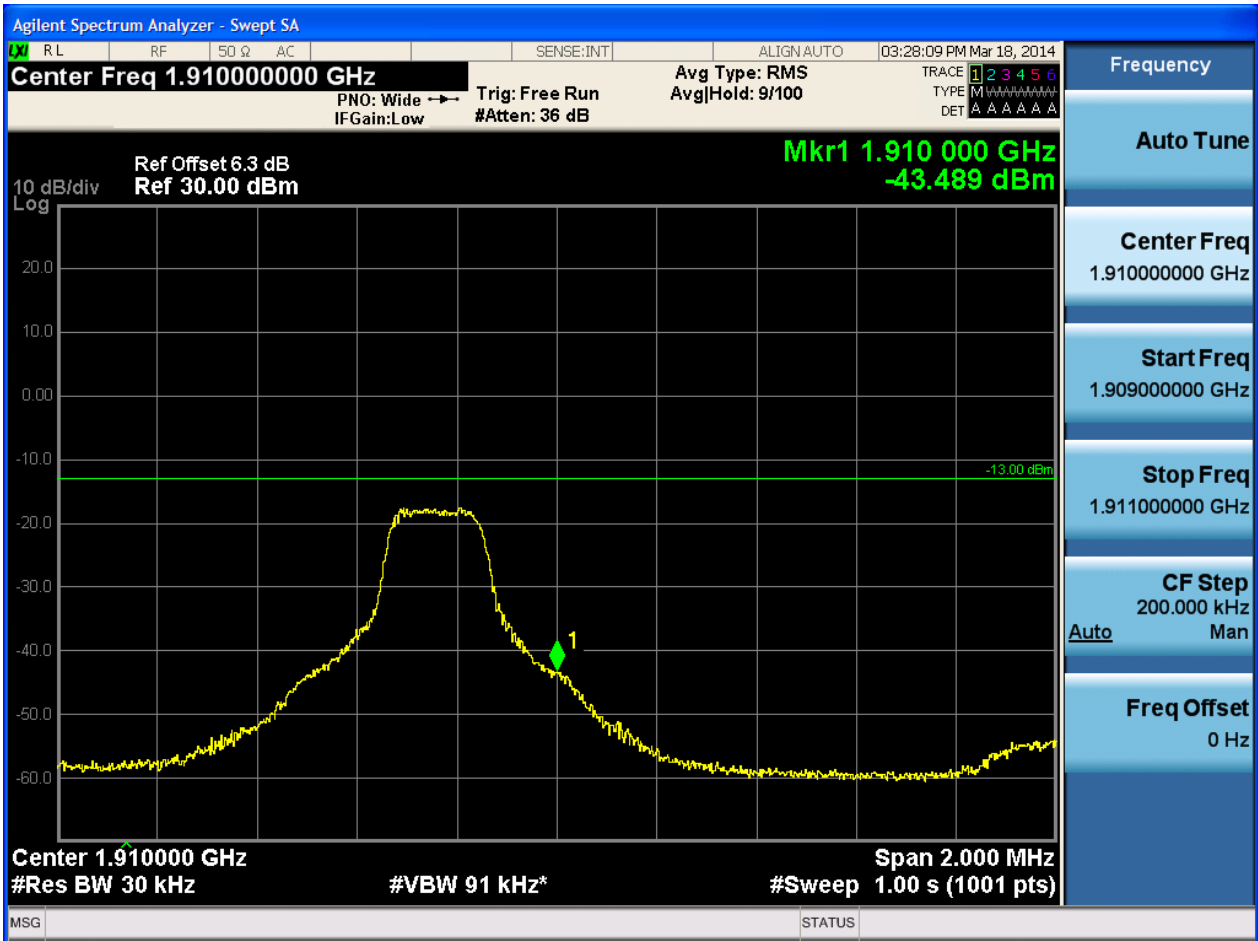
5.2.1.1.2.1.4 Test RB = RB15#0





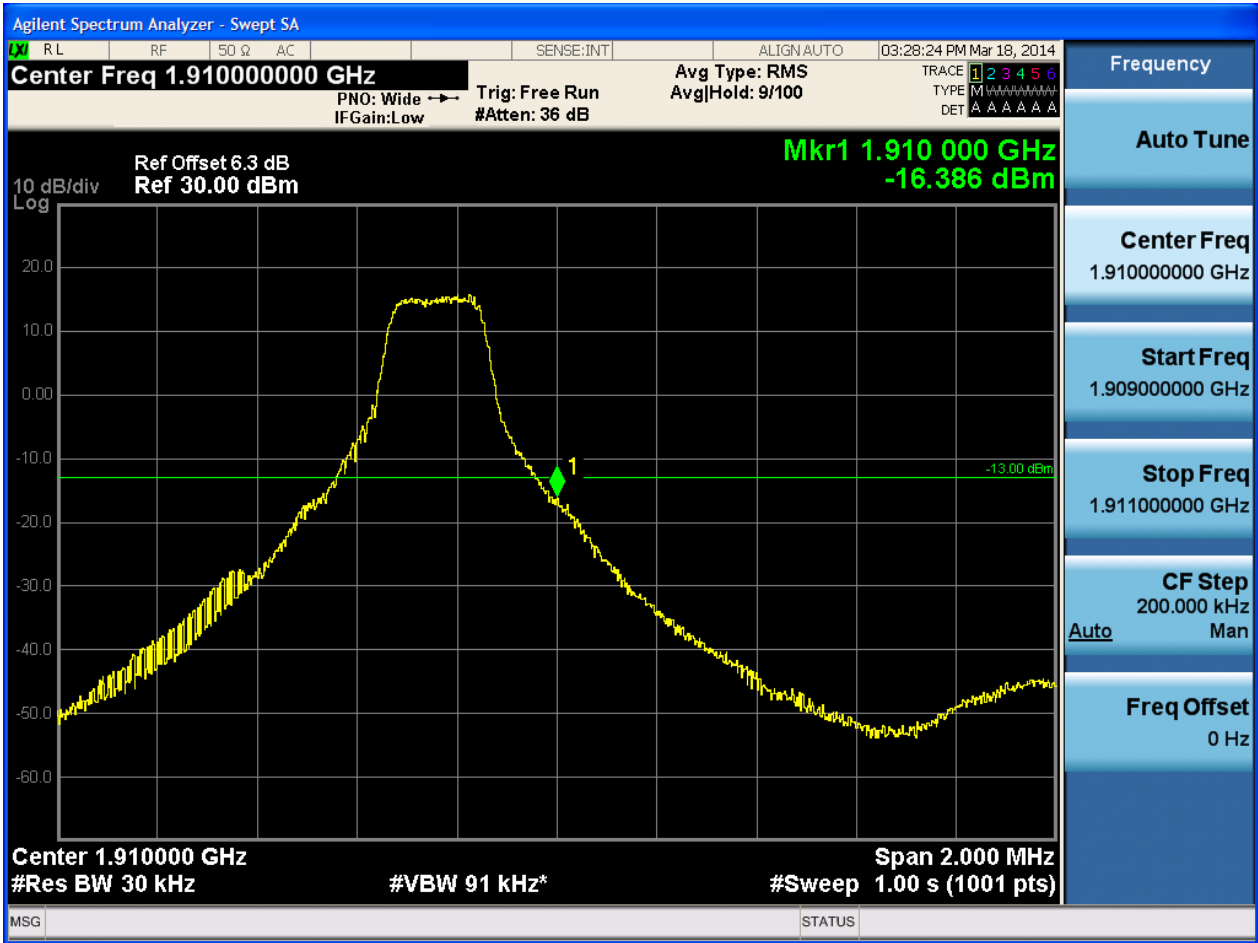
5.2.1.1.2.2 Test Channel = HCH

5.2.1.1.2.2.1 Test RB = RB1#0





5.2.1.1.2.2 Test RB = RB1#14



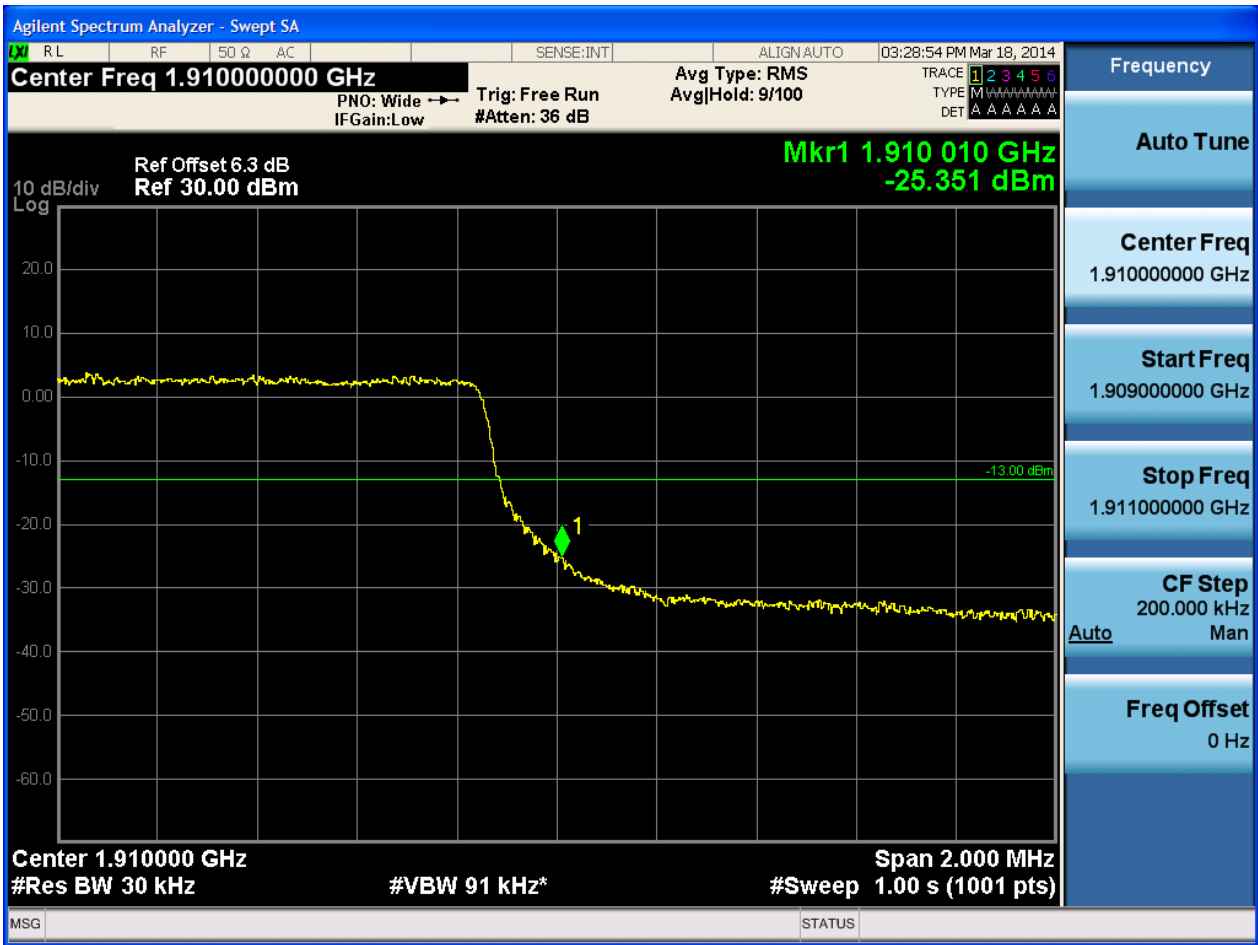


5.2.1.1.2.2.3 Test RB = RB8#4





5.2.1.1.2.2.4 Test RB = RB15#0



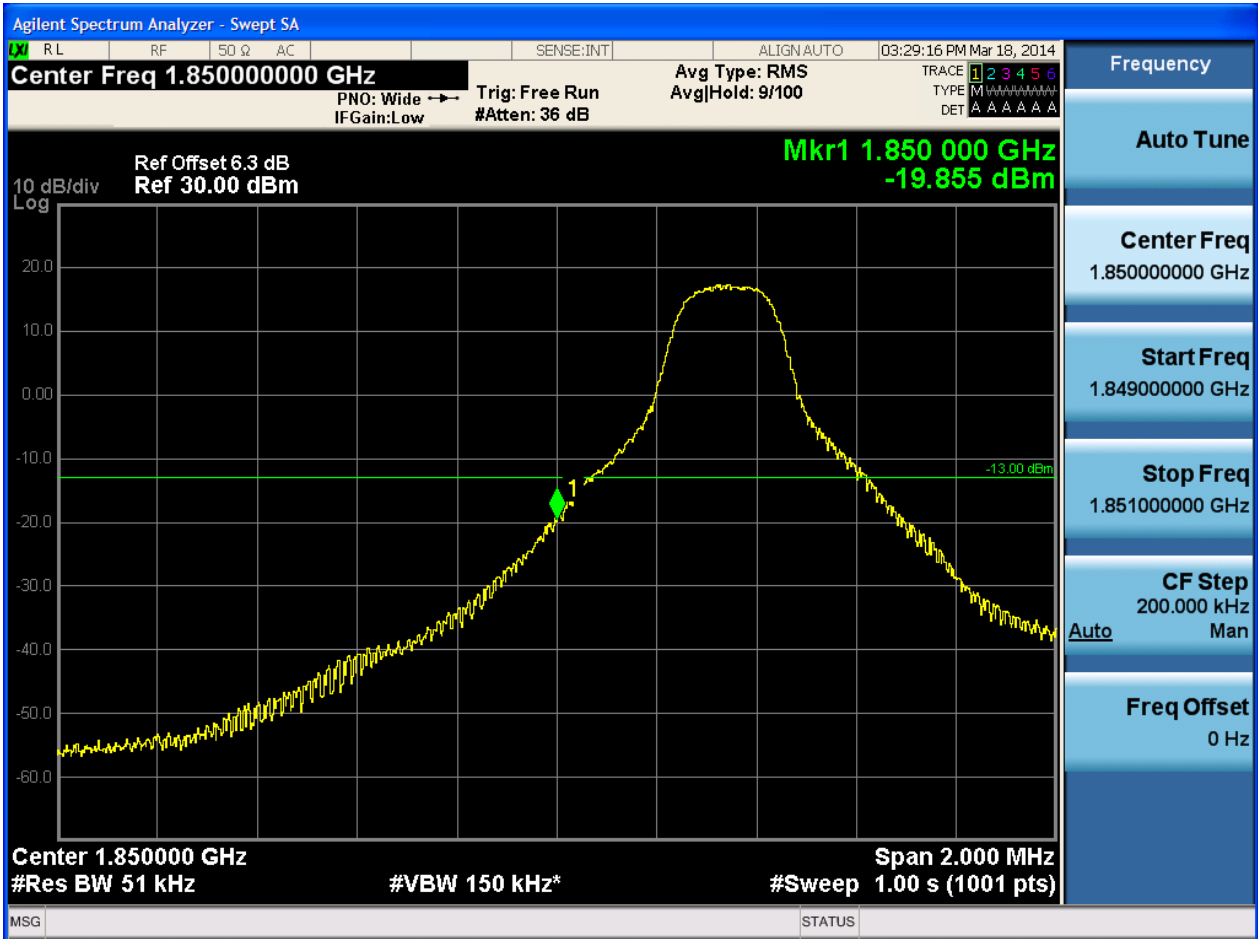




5.2.1.1.3 Test Bandwidth = 5

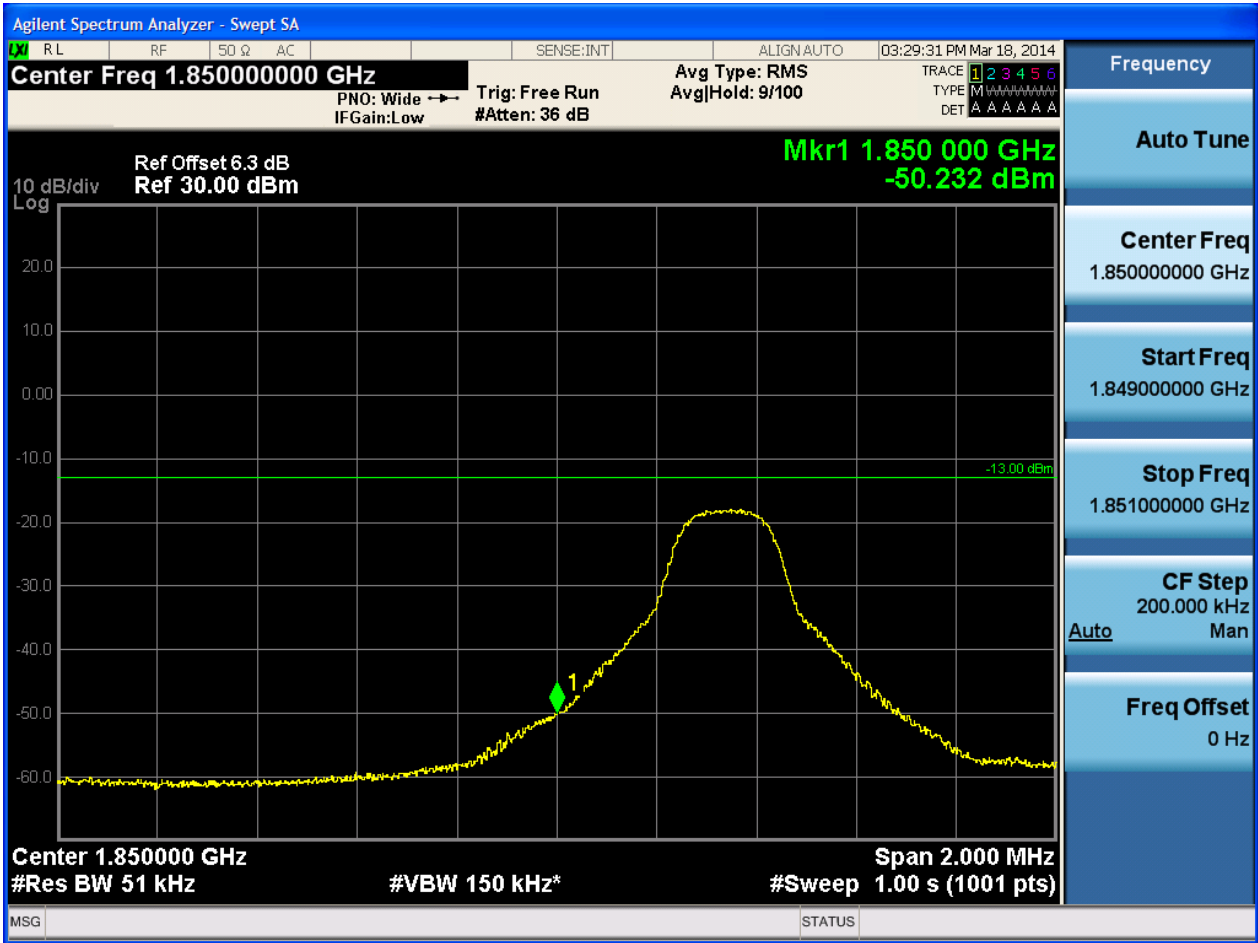
5.2.1.1.3.1 Test Channel = LCH

5.2.1.1.3.1.1 Test RB = RB1#0



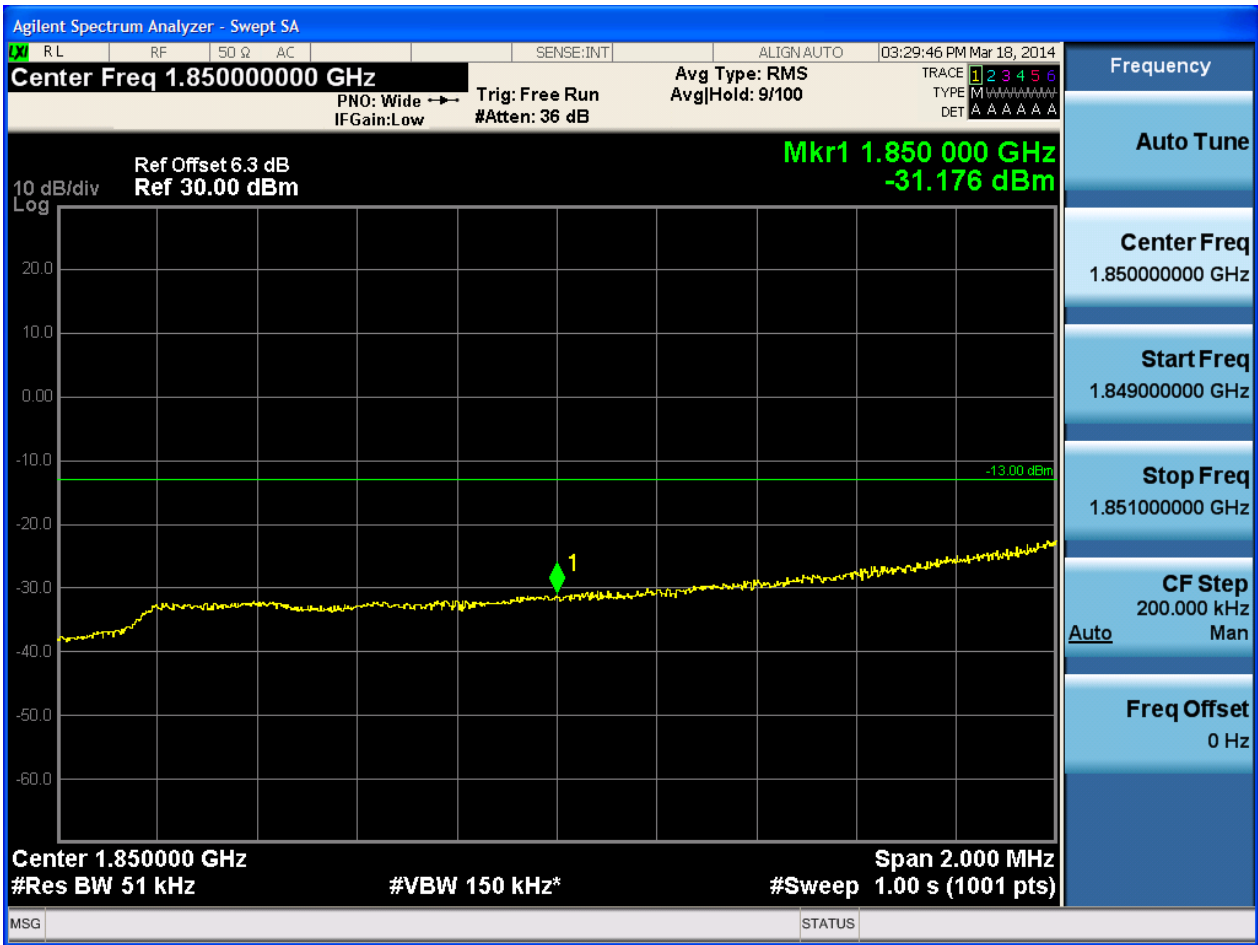


5.2.1.1.3.1.2 Test RB = RB1#24





5.2.1.1.3.1.3 Test RB = RB12#6





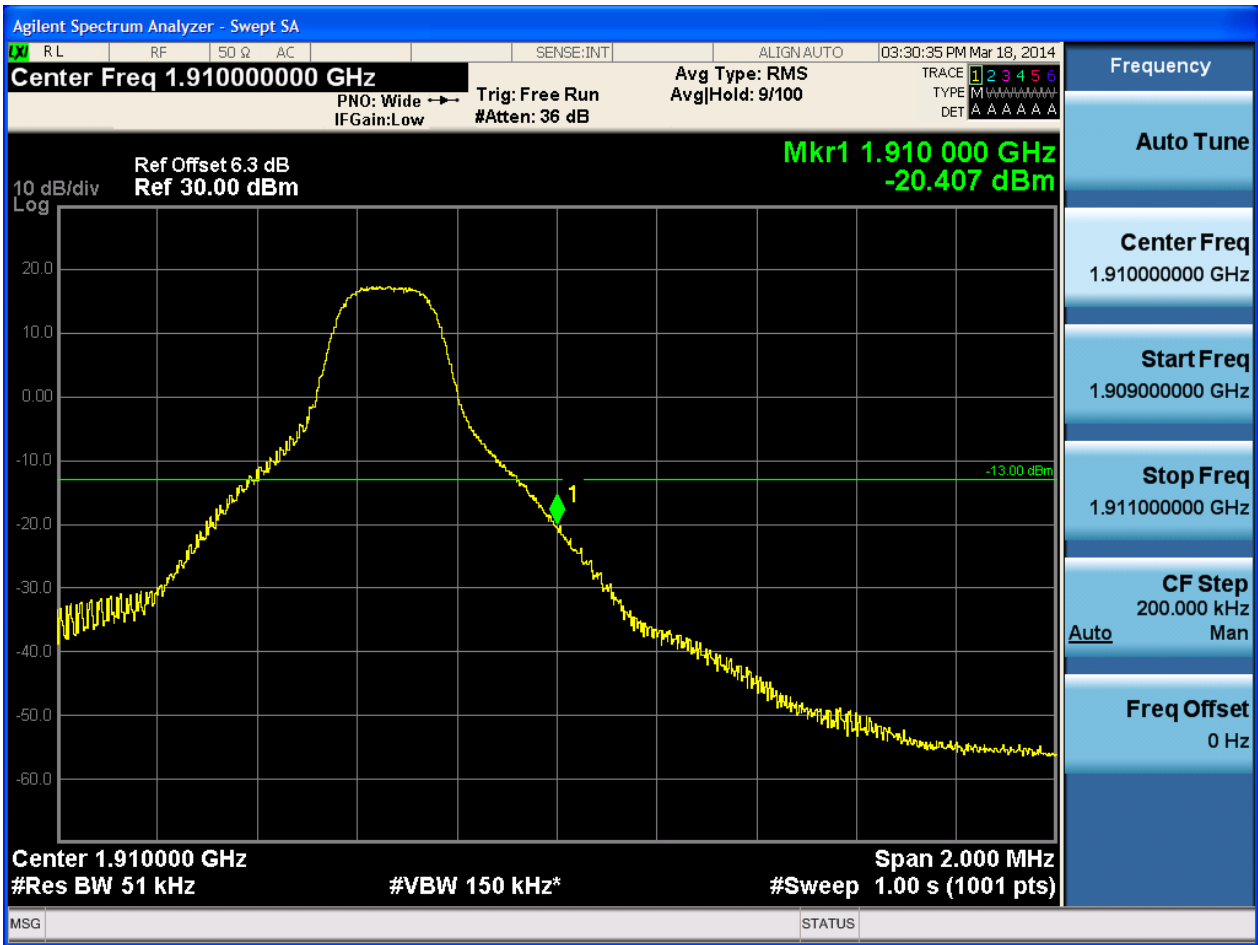
5.2.1.1.3.1.4 Test RB = RB25#0







5.2.1.1.3.2.2 Test RB = RB1#24



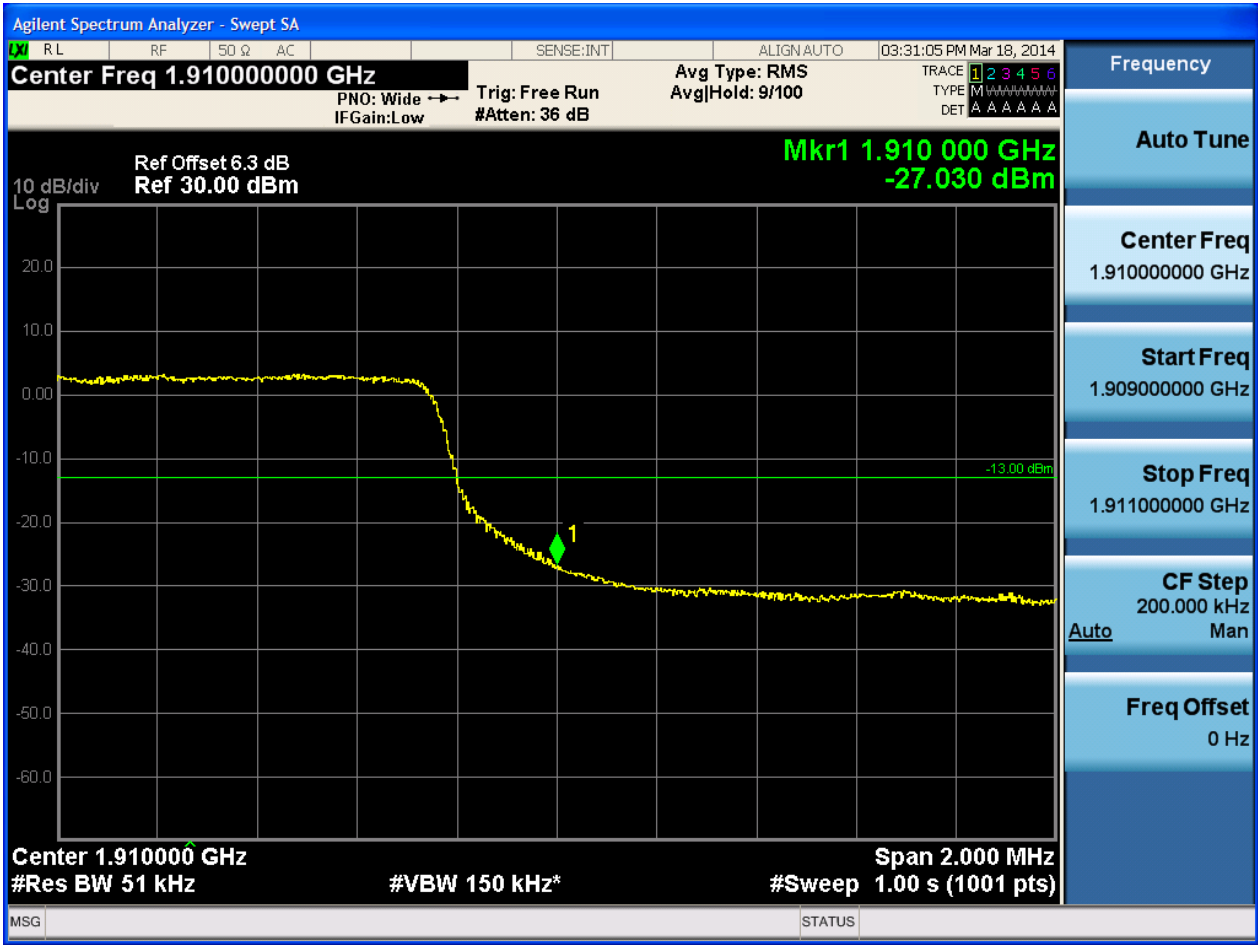


5.2.1.1.3.2.3 Test RB = RB12#6





5.2.1.1.3.2.4 Test RB = RB25#0



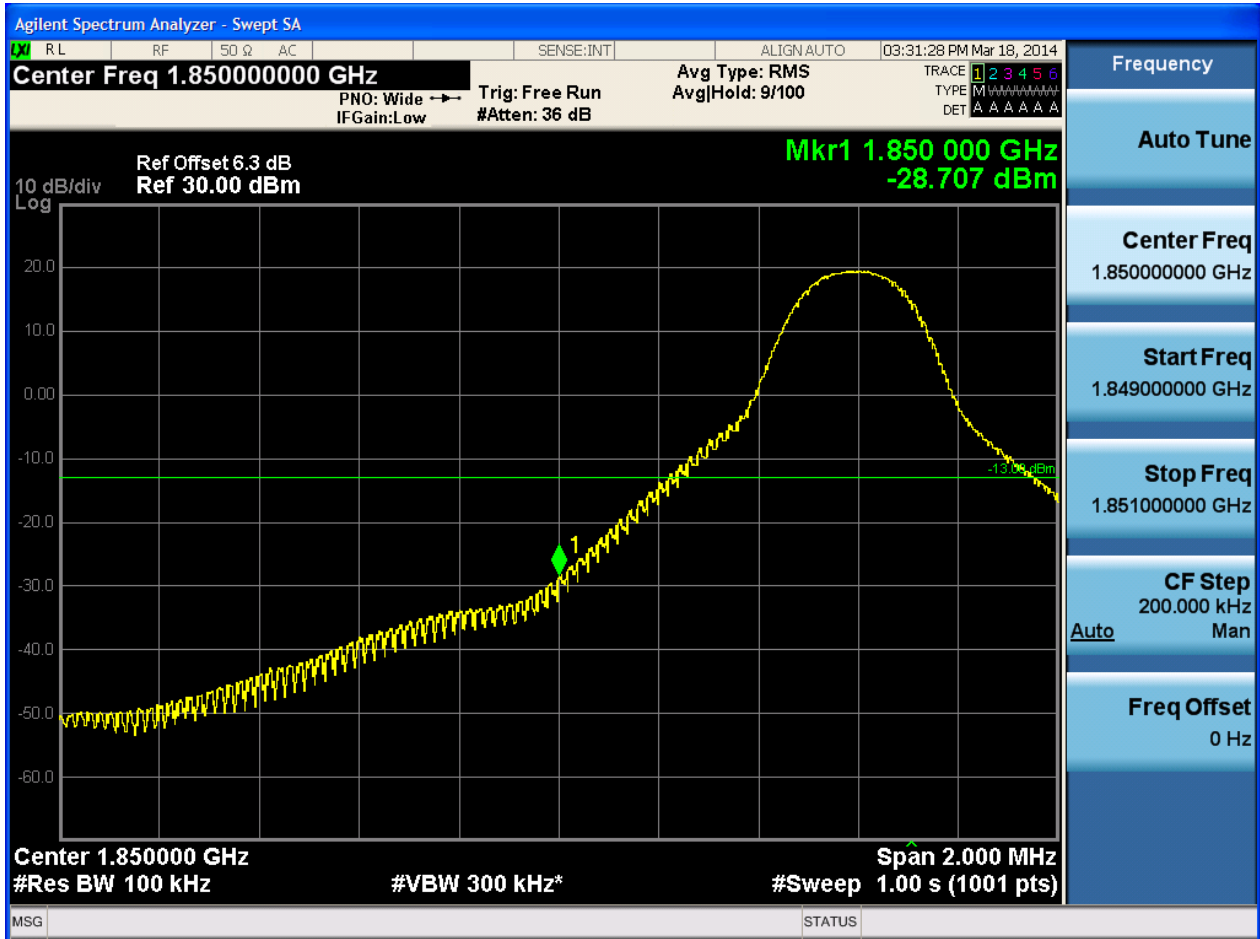




5.2.1.1.4 Test Bandwidth = 10

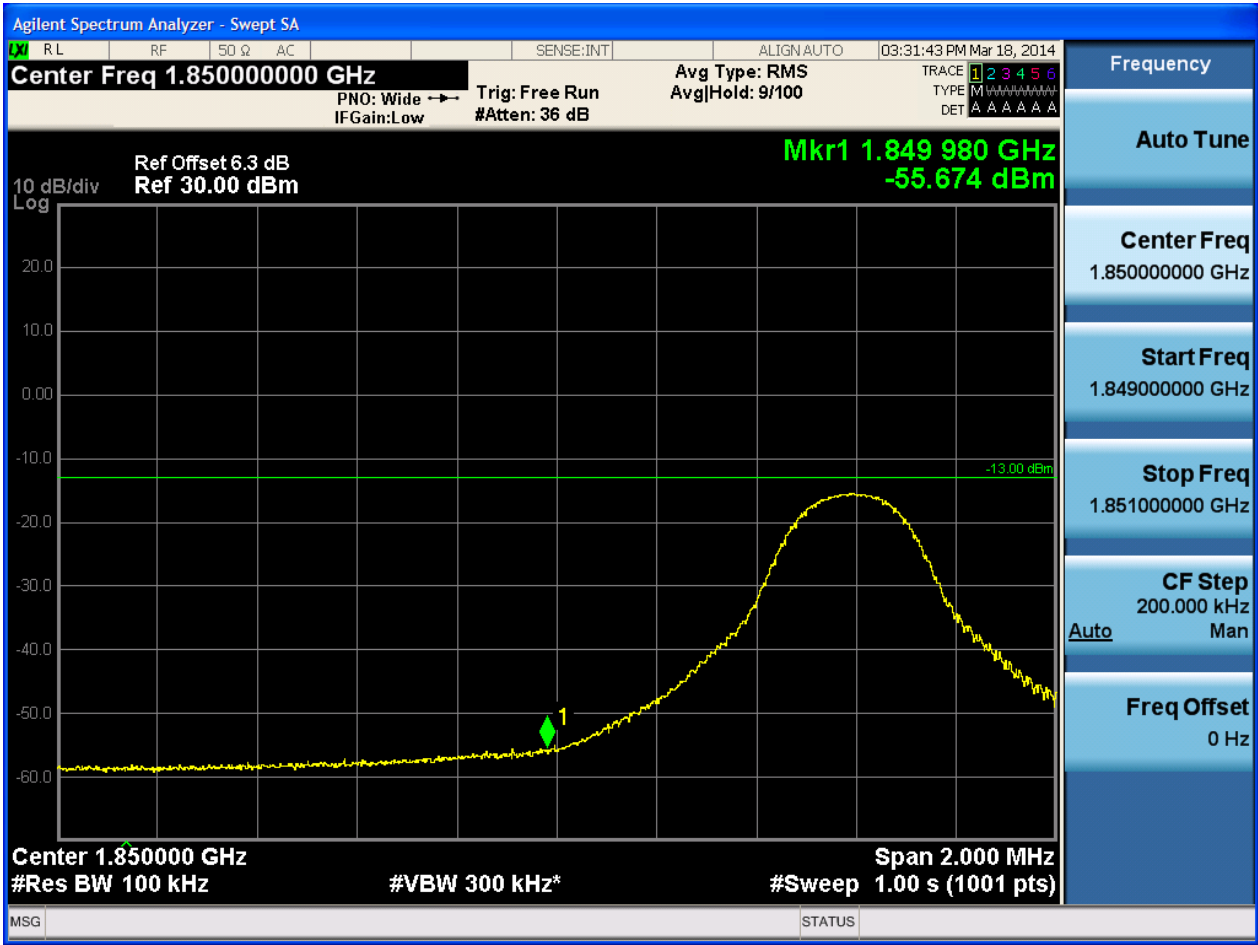
5.2.1.1.4.1 Test Channel = LCH

5.2.1.1.4.1.1 Test RB = RB1#0



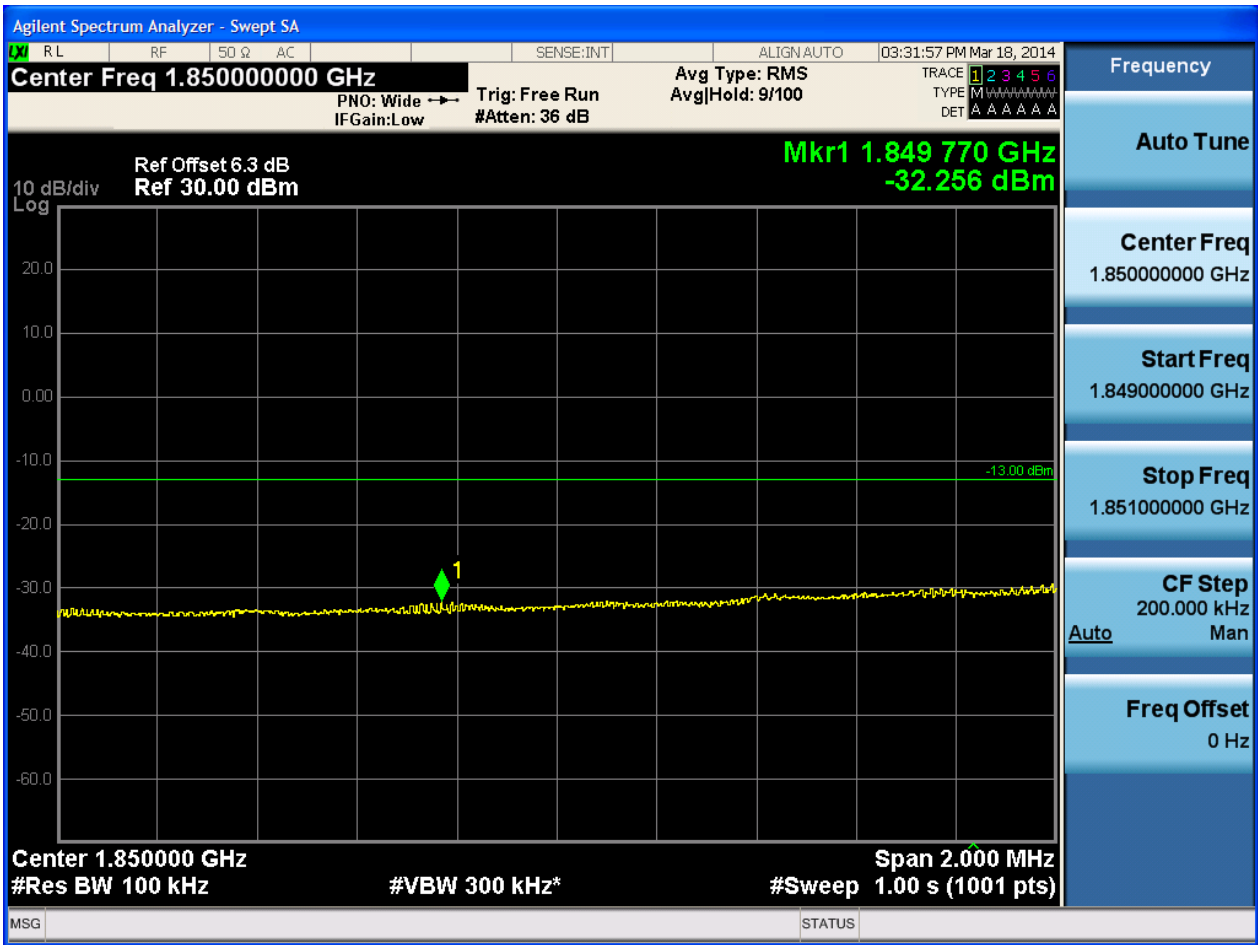


5.2.1.1.4.1.2 Test RB = RB1#49



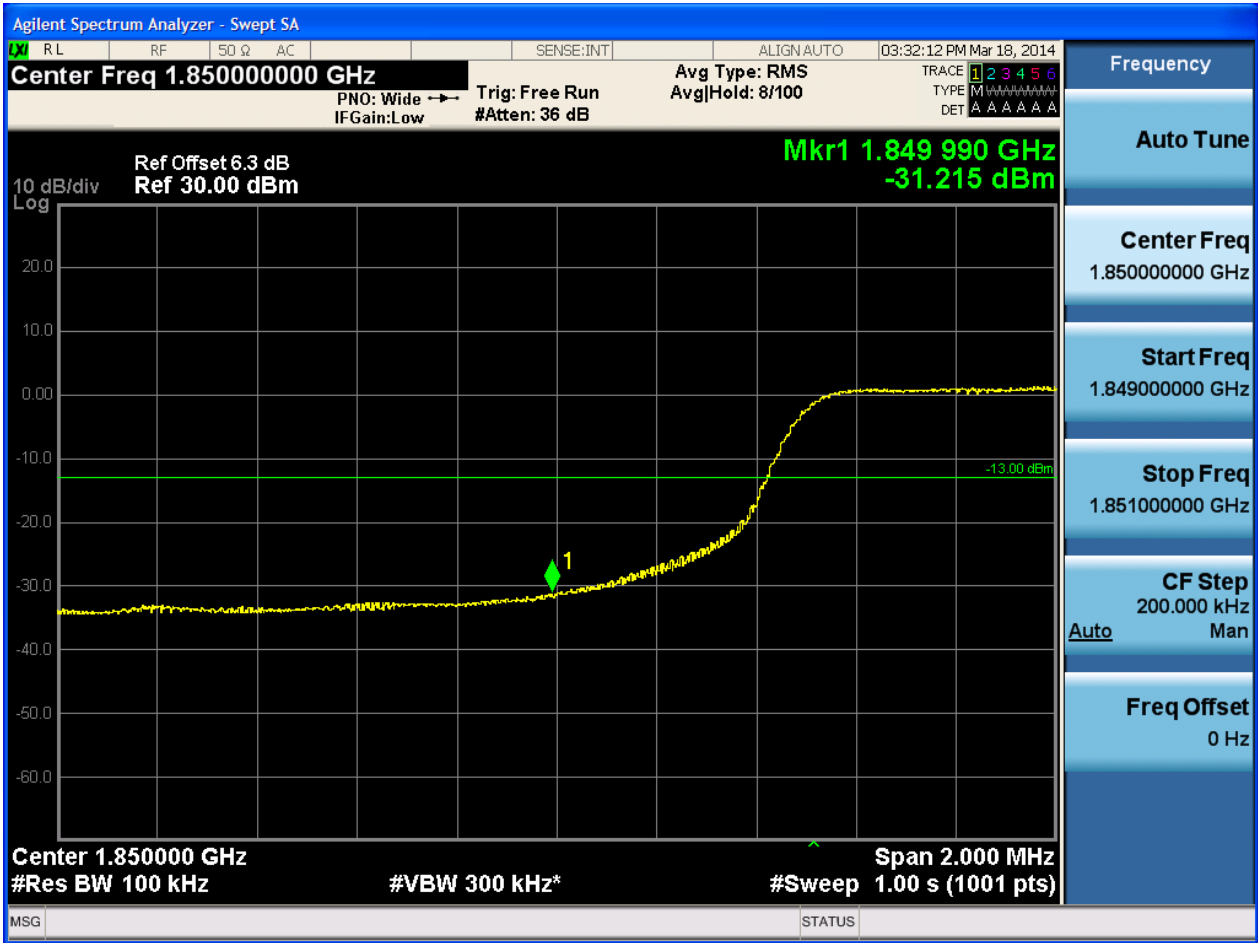


5.2.1.1.4.1.3 Test RB = RB25#13



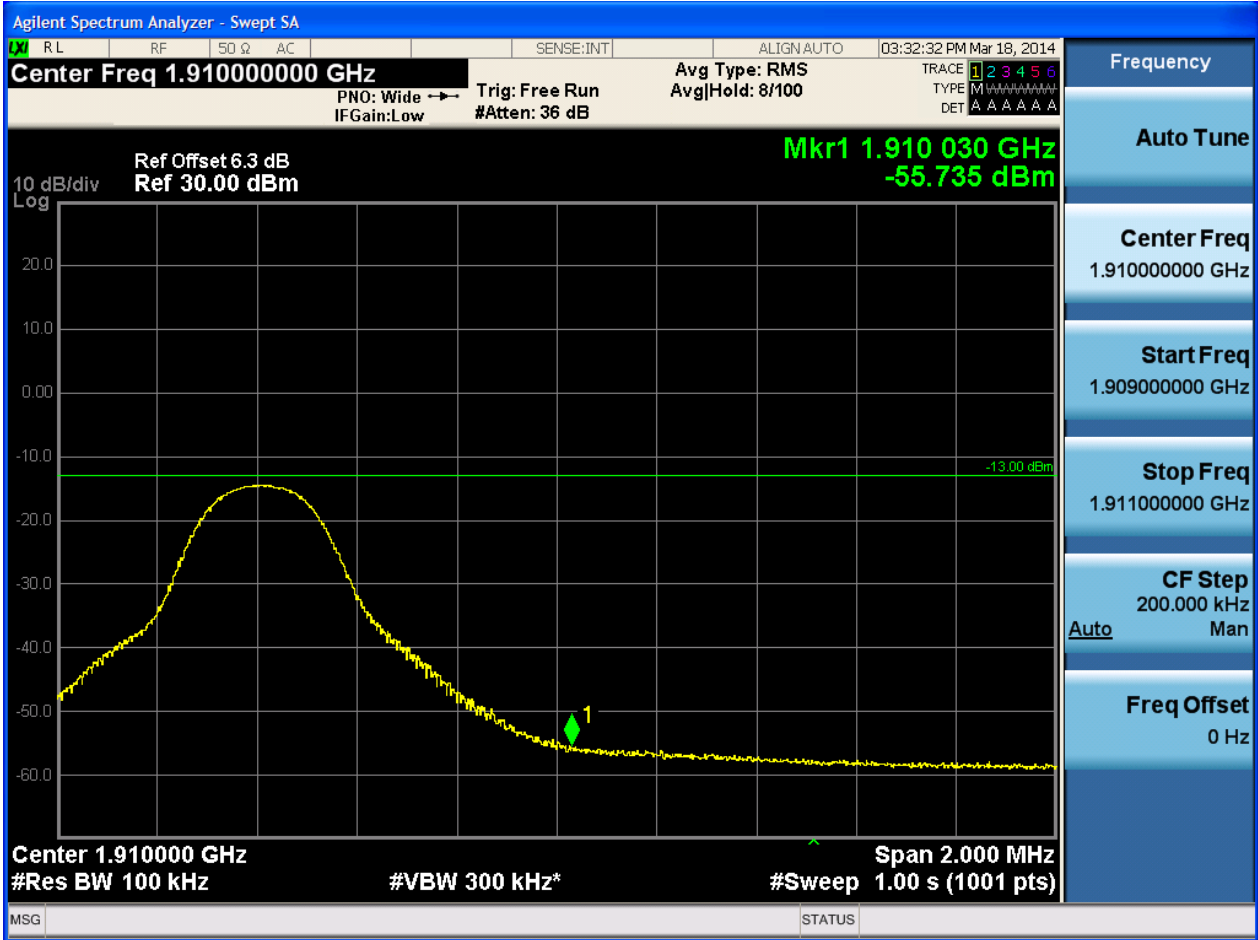


5.2.1.1.4.1.4 Test RB = RB50#0



5.2.1.1.4.2 Test Channel = HCH

5.2.1.1.4.2.1 Test RB = RB1#0





5.2.1.1.4.2.2 Test RB = RB1#49

