



# 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]	EIRP[dBm]	Limit [dBm]	Verdict
BAND4	LTE/TM1	1.4	LCH	RB1#0	22.16	20.76	30	PASS
				RB1#3	22.34	20.94	30	PASS
				RB1#5	22.3	20.9	30	PASS
				RB3#0	23.01	21.61	30	PASS
				RB3#2	23.03	21.63	30	PASS
				RB3#3	23.02	21.62	30	PASS
				RB6#0	20.27	18.87	30	PASS
			MCH	RB1#0	21.95	20.55	30	PASS
				RB1#3	22.02	20.62	30	PASS
				RB1#5	21.89	20.49	30	PASS
				RB3#0	22.6	21.2	30	PASS
				RB3#2	22.6	21.2	30	PASS
				RB3#3	22.57	21.17	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB6#0	20.3	18.9	30	PASS
			HCH	RB1#0	22.16	20.76	30	PASS
				RB1#3	22.15	20.75	30	PASS
				RB1#5	21.97	20.57	30	PASS
				RB3#0	22.73	21.33	30	PASS
				RB3#2	22.7	21.3	30	PASS
				RB3#3	22.7	21.3	30	PASS
				RB6#0	20.39	18.99	30	PASS
		3		LCH	RB1#0	22.87	21.47	30
			RB1#7		23.29	21.89	30	PASS
			RB1#14		23.07	21.67	30	PASS
			RB8#0		22.09	20.69	30	PASS
			RB8#4		22.21	20.81	30	PASS
			RB8#7		22.19	20.79	30	PASS
			RB15#0		22.13	20.73	30	PASS
			MCH	RB1#0	22.42	21.02	30	PASS
				RB1#7	22.71	21.31	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dB m]	EIRP[dB m]	Limit [dBm]	Verdict	
				RB1#14	22.37	20.97	30	PASS	
				RB8#0	21.72	20.32	30	PASS	
				RB8#4	21.8	20.4	30	PASS	
				RB8#7	21.7	20.3	30	PASS	
				RB15#0	21.76	20.36	30	PASS	
			HCH	RB1#0	22.77	21.37	30	PASS	
				RB1#7	22.86	21.46	30	PASS	
				RB1#14	22.48	21.08	30	PASS	
				RB8#0	21.96	20.56	30	PASS	
				RB8#4	21.93	20.53	30	PASS	
				RB8#7	21.83	20.43	30	PASS	
				RB15#0	21.94	20.54	30	PASS	
			5	LCH	RB1#0	22.96	21.56	30	PASS
					RB1#13	23.5	22.1	30	PASS
		RB1#24			22.98	21.58	30	PASS	
		RB12#0			22.24	20.84	30	PASS	
		RB12#6			22.33	20.93	30	PASS	

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB12#13	22.18	20.78	30	PASS
				RB25#0	22.22	20.82	30	PASS
			MCH	RB1#0	22.5	21.1	30	PASS
				RB1#13	22.81	21.41	30	PASS
				RB1#24	22.48	21.08	30	PASS
				RB12#0	21.73	20.33	30	PASS
				RB12#6	21.9	20.5	30	PASS
				RB12#13	21.76	20.36	30	PASS
				RB25#0	21.8	20.4	30	PASS
				HCH	RB1#0	22.97	21.57	30
			RB1#13		22.93	21.53	30	PASS
			RB1#24		22.41	21.01	30	PASS
			RB12#0		22.08	20.68	30	PASS
			RB12#6		22.15	20.75	30	PASS
			RB12#13		21.86	20.46	30	PASS
			RB25#0		22.43	21.03	30	PASS
			10	LCH	RB1#0	22.88	21.48	30

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB1#25	23.42	22.02	30	PASS
				RB1#49	22.8	21.4	30	PASS
				RB25#0	22.23	20.83	30	PASS
				RB25#13	22.37	20.97	30	PASS
				RB25#25	22.12	20.72	30	PASS
				RB50#0	22.14	20.74	30	PASS
			MCH	RB1#0	22.44	21.04	30	PASS
				RB1#25	22.74	21.34	30	PASS
				RB1#49	22.64	21.24	30	PASS
				RB25#0	21.78	20.38	30	PASS
				RB25#13	21.86	20.46	30	PASS
				RB25#25	21.86	20.46	30	PASS
				RB50#0	21.76	20.36	30	PASS
			HCH	RB1#0	23.46	22.06	30	PASS
				RB1#25	23.18	21.78	30	PASS
				RB1#49	22.43	21.03	30	PASS
				RB25#0	22.5	21.1	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dB m]	EIRP[dB m]	Limit [dBm]	Verdict	
				RB25#13	22.22	20.82	30	PASS	
				RB25#25	22.11	20.71	30	PASS	
				RB50#0	22.6	21.2	30	PASS	
		15	LCH	RB1#0	23.02	21.62	30	PASS	
				RB1#38	23.28	21.88	30	PASS	
				RB1#74	22.51	21.11	30	PASS	
				RB38#0	22.33	20.93	30	PASS	
				RB38#19	22.55	21.15	30	PASS	
				RB38#39	22.28	20.88	30	PASS	
				RB75#0	22.22	20.82	30	PASS	
				MCH	RB1#0	22.6	21.2	30	PASS
					RB1#38	22.81	21.41	30	PASS
					RB1#74	22.86	21.46	30	PASS
					RB38#0	21.8	20.4	30	PASS
					RB38#19	21.88	20.48	30	PASS
RB38#39	21.89	20.49	30		PASS				
RB75#0	21.85	20.45	30		PASS				



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dB m]	EIRP[dB m]	Limit [dBm]	Verdict
			HCH	RB1#0	23.33	21.93	30	PASS
				RB1#38	23.5	22.1	30	PASS
				RB1#74	22.51	21.11	30	PASS
				RB38#0	22.71	21.31	30	PASS
				RB38#19	22.6	21.2	30	PASS
				RB38#39	22.74	21.34	30	PASS
				RB75#0	22.74	21.34	30	PASS
		20	LCH	RB1#0	23.07	21.67	30	PASS
				RB1#50	23.14	21.74	30	PASS
				RB1#99	22.34	20.94	30	PASS
				RB50#0	22.33	20.93	30	PASS
				RB50#25	22.28	20.88	30	PASS
				RB50#50	21.93	20.53	30	PASS
				RB100#0	22.32	20.92	30	PASS
				MCH	RB1#0	22.6	21.2	30
RB1#50	22.82	21.42	30		PASS			
RB1#99	23.18	21.78	30		PASS			

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB50#0	21.96	20.56	30	PASS
				RB50#25	21.92	20.52	30	PASS
				RB50#50	21.89	20.49	30	PASS
				RB100#0	21.91	20.51	30	PASS
			HCH	RB1#0	22.83	21.43	30	PASS
				RB1#50	23.74	22.34	30	PASS
				RB1#99	22.52	21.12	30	PASS
				RB50#0	22.42	21.02	30	PASS
				RB50#25	22.74	21.34	30	PASS
				RB50#50	22.67	21.27	30	PASS
				RB100#0	22.55	21.15	30	PASS
				LCH	RB1#0	21.83	20.43	30
			RB1#3		22.04	20.64	30	PASS
			RB1#5		21.88	20.48	30	PASS
RB3#0	22.06	20.66	30		PASS			
RB3#2	22.03	20.63	30		PASS			
RB3#3	22.03	20.63	30		PASS			

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dB m]	EIRP[dB m]	Limit [dBm]	Verdict
				RB6#0	20.3	18.9	30	PASS
			MCH	RB1#0	21.74	20.34	30	PASS
				RB1#3	21.83	20.43	30	PASS
				RB1#5	21.71	20.31	30	PASS
				RB3#0	21.81	20.41	30	PASS
				RB3#2	21.89	20.49	30	PASS
				RB3#3	21.84	20.44	30	PASS
				RB6#0	20.36	18.96	30	PASS
				HCH	RB1#0	22.03	20.63	30
			RB1#3		21.95	20.55	30	PASS
			RB1#5		21.81	20.41	30	PASS
			RB3#0		22.02	20.62	30	PASS
			RB3#2		21.99	20.59	30	PASS
			RB3#3		21.92	20.52	30	PASS
			RB6#0		20.35	18.95	30	PASS
		3	LCH		RB1#0	21.96	20.56	30
				RB1#7	22.42	21.02	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB1#14	22.2	20.8	30	PASS
				RB8#0	20.82	19.42	30	PASS
				RB8#4	20.95	19.55	30	PASS
				RB8#7	20.89	19.49	30	PASS
				RB15#0	20.91	19.51	30	PASS
			MCH	RB1#0	21.46	20.06	30	PASS
			MCH	RB1#7	22.1	20.7	30	PASS
			MCH	RB1#14	21.49	20.09	30	PASS
			MCH	RB8#0	20.76	19.36	30	PASS
			MCH	RB8#4	20.84	19.44	30	PASS
			MCH	RB8#7	20.75	19.35	30	PASS
			MCH	RB15#0	20.83	19.43	30	PASS
			HCH	RB1#0	22.03	20.63	30	PASS
			HCH	RB1#7	22.04	20.64	30	PASS
			HCH	RB1#14	21.79	20.39	30	PASS
			HCH	RB8#0	20.98	19.58	30	PASS
			HCH	RB8#4	20.94	19.54	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB8#7	20.77	19.37	30	PASS
				RB15#0	20.93	19.53	30	PASS
		5	LCH	RB1#0	22.02	20.62	30	PASS
				RB1#13	22.63	21.23	30	PASS
				RB1#24	22.12	20.72	30	PASS
				RB12#0	21.16	19.76	30	PASS
				RB12#6	21.28	19.88	30	PASS
				RB12#13	21.01	19.61	30	PASS
				RB25#0	21.09	19.69	30	PASS
				MCH	RB1#0	21.83	20.43	30
			RB1#13		22.11	20.71	30	PASS
			RB1#24		21.8	20.4	30	PASS
			RB12#0		20.8	19.4	30	PASS
			RB12#6		20.92	19.52	30	PASS
			RB12#13		20.79	19.39	30	PASS
			RB25#0		20.88	19.48	30	PASS
		HCH	RB1#0	22.27	20.87	30	PASS	



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict	
				RB1#13	22.28	20.88	30	PASS	
				RB1#24	21.79	20.39	30	PASS	
				RB12#0	20.99	19.59	30	PASS	
				RB12#6	21.09	19.69	30	PASS	
				RB12#13	20.79	19.39	30	PASS	
				RB25#0	21.37	19.97	30	PASS	
		10	LCH	RB1#0	22.17	20.77	30	PASS	
				RB1#25	22.7	21.3	30	PASS	
				RB1#49	22.19	20.79	30	PASS	
				RB25#0	21.11	19.71	30	PASS	
				RB25#13	21.25	19.85	30	PASS	
				RB25#25	21.01	19.61	30	PASS	
				RB50#0	21.02	19.62	30	PASS	
				MCH	RB1#0	21.8	20.4	30	PASS
					RB1#25	22.16	20.76	30	PASS
					RB1#49	21.96	20.56	30	PASS
RB25#0	20.81	19.41	30		PASS				

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB25#13	20.96	19.56	30	PASS
				RB25#25	20.95	19.55	30	PASS
				RB50#0	20.87	19.47	30	PASS
			HCH	RB1#0	22.74	21.34	30	PASS
				RB1#25	22.47	21.07	30	PASS
				RB1#49	21.8	20.4	30	PASS
				RB25#0	21.39	19.99	30	PASS
				RB25#13	21.14	19.74	30	PASS
				RB25#25	21.1	19.7	30	PASS
		RB50#0	21.51	20.11	30	PASS		
		15	LCH	RB1#0	22.09	20.69	30	PASS
				RB1#38	22.47	21.07	30	PASS
				RB1#74	21.86	20.46	30	PASS
				RB38#0	21.2	19.8	30	PASS
				RB38#19	21.49	20.09	30	PASS
RB38#39	21.27			19.87	30	PASS		
RB75#0	21.16	19.76	30	PASS				

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	21.82	20.42	30	PASS
				RB1#38	22.05	20.65	30	PASS
				RB1#74	22.22	20.82	30	PASS
				RB38#0	20.91	19.51	30	PASS
				RB38#19	20.97	19.57	30	PASS
				RB38#39	20.95	19.55	30	PASS
				RB75#0	20.87	19.47	30	PASS
			HCH	RB1#0	22.45	21.05	30	PASS
				RB1#38	22.62	21.22	30	PASS
				RB1#74	21.78	20.38	30	PASS
				RB38#0	21.6	20.2	30	PASS
				RB38#19	21.52	20.12	30	PASS
				RB38#39	21.75	20.35	30	PASS
				RB75#0	21.67	20.27	30	PASS
		20	LCH	RB1#0	22.2	20.8	30	PASS
RB1#50	22.44			21.04	30	PASS		
RB1#99	21.68			20.28	30	PASS		

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB50#0	21.2	19.8	30	PASS
				RB50#25	21.22	19.82	30	PASS
				RB50#50	20.95	19.55	30	PASS
				RB100#0	21.28	19.88	30	PASS
			MCH	RB1#0	22.03	20.63	30	PASS
				RB1#50	22.29	20.89	30	PASS
				RB1#99	22.53	21.13	30	PASS
				RB50#0	21.03	19.63	30	PASS
				RB50#25	20.92	19.52	30	PASS
				RB50#50	20.78	19.38	30	PASS
				RB100#0	20.92	19.52	30	PASS
				HCH	RB1#0	22.25	20.85	30
			RB1#50		23.12	21.72	30	PASS
			RB1#99		22	20.6	30	PASS
			RB50#0		21.27	19.87	30	PASS
			RB50#25		21.56	20.16	30	PASS
			RB50#50		21.63	20.23	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB100#0	21.53	20.13	30	PASS

Note1:

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

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

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

b, SGP=Signal Generator Level

Note2:

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

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

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

SET Sweep time=auto-couple.

Detector: RMS



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

### Part I - Test Results

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND4	LTE/TM1	1.4	LCH	RB1#0	5.45	13	PASS
				RB1#3	5.31	13	PASS
				RB1#5	5.34	13	PASS
				RB3#0	5.31	13	PASS
				RB3#2	5.19	13	PASS
				RB3#3	5.15	13	PASS
			RB6#0	5.82	13	PASS	
			MCH	RB1#0	5.03	13	PASS
				RB1#3	4.99	13	PASS
				RB1#5	5.04	13	PASS
				RB3#0	5.36	13	PASS
				RB3#2	5.47	13	PASS
				RB3#3	5.41	13	PASS
			HCH	RB6#0	5.95	13	PASS
				RB1#0	5.22	13	PASS
				RB1#3	5.26	13	PASS
				RB1#5	5.34	13	PASS
				RB3#0	4.87	13	PASS
		RB3#2		4.77	13	PASS	
		3	LCH	RB3#3	4.82	13	PASS
				RB6#0	5.67	13	PASS
				RB1#0	5.12	13	PASS
				RB1#7	4.63	13	PASS
				RB1#14	4.95	13	PASS
				RB8#0	5.9	13	PASS
			MCH	RB8#4	5.74	13	PASS
				RB8#7	5.76	13	PASS
				RB15#0	5.72	13	PASS
RB1#0	4.92			13	PASS		
RB1#7	4.67	13	PASS				
RB1#14	4.99	13	PASS				



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
				RB8#0	5.5	13	PASS	
				RB8#4	5.55	13	PASS	
				RB8#7	5.64	13	PASS	
				RB15#0	5.7	13	PASS	
			HCH	RB1#0	4.65	13	PASS	
				RB1#7	4.42	13	PASS	
				RB1#14	4.74	13	PASS	
				RB8#0	5.39	13	PASS	
				RB8#4	5.32	13	PASS	
				RB8#7	5.43	13	PASS	
				RB15#0	5.7	13	PASS	
				LCH	RB1#0	5.13	13	PASS
					RB1#13	4.64	13	PASS
					RB1#24	4.73	13	PASS
		RB12#0			5.66	13	PASS	
		RB12#6			5.59	13	PASS	
		RB12#13	5.71		13	PASS		
		RB25#0	6		13	PASS		
		MCH	RB1#0	5.16	13	PASS		
			RB1#13	5.26	13	PASS		
			RB1#24	5.26	13	PASS		
			RB12#0	5.53	13	PASS		
			RB12#6	5.52	13	PASS		
			RB12#13	5.62	13	PASS		
		HCH	RB25#0	5.9	13	PASS		
			RB1#0	4.57	13	PASS		
			RB1#13	4.55	13	PASS		
			RB1#24	4.93	13	PASS		
			RB12#0	5.55	13	PASS		
			RB12#6	5.44	13	PASS		
		LCH	RB12#13	5.51	13	PASS		
			RB25#0	5.68	13	PASS		
RB1#0	5.15		13	PASS				
RB1#25	4.38		13	PASS				
RB1#49	4.65		13	PASS				
RB25#0	5.9		13	PASS				
RB25#13	5.67		13	PASS				
RB25#25	5.67	13	PASS					
RB50#0	6.01	13	PASS					

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			MCH	RB1#0	4.74	13	PASS
				RB1#25	4.76	13	PASS
				RB1#49	4.96	13	PASS
				RB25#0	5.85	13	PASS
				RB25#13	5.88	13	PASS
				RB25#25	5.99	13	PASS
				RB50#0	6.48	13	PASS
			HCH	RB1#0	4.63	13	PASS
				RB1#25	4.33	13	PASS
				RB1#49	4.7	13	PASS
				RB25#0	5.67	13	PASS
				RB25#13	5.62	13	PASS
				RB25#25	5.69	13	PASS
				RB50#0	5.73	13	PASS
		15	LCH	RB1#0	5.04	13	PASS
				RB1#38	4.29	13	PASS
				RB1#74	4.73	13	PASS
				RB38#0	5.78	13	PASS
				RB38#19	5.53	13	PASS
				RB38#39	5.65	13	PASS
				RB75#0	6.02	13	PASS
			MCH	RB1#0	4.69	13	PASS
				RB1#38	4.76	13	PASS
				RB1#74	4.95	13	PASS
				RB38#0	5.7	13	PASS
				RB38#19	5.77	13	PASS
				RB38#39	5.89	13	PASS
				RB75#0	6.32	13	PASS
		HCH	RB1#0	5.06	13	PASS	
			RB1#38	4.34	13	PASS	
			RB1#74	4.79	13	PASS	
			RB38#0	5.9	13	PASS	
RB38#19	5.78		13	PASS			
RB38#39	5.48		13	PASS			
RB75#0	5.93		13	PASS			
20	LCH	RB1#0	5.19	13	PASS		
		RB1#50	4.6	13	PASS		
		RB1#99	5.01	13	PASS		
		RB50#0	5.75	13	PASS		



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict			
				RB50#25	5.76	13	PASS			
				RB50#50	5.85	13	PASS			
				RB100#0	5.96	13	PASS			
			MCH	RB1#0	4.96	13	PASS			
				RB1#50	5.04	13	PASS			
				RB1#99	5.23	13	PASS			
				RB50#0	5.88	13	PASS			
				RB50#25	5.95	13	PASS			
				RB50#50	6.06	13	PASS			
				RB100#0	6.36	13	PASS			
			HCH	RB1#0	5.04	13	PASS			
				RB1#50	4.57	13	PASS			
				RB1#99	4.85	13	PASS			
				RB50#0	6.17	13	PASS			
				RB50#25	5.89	13	PASS			
				RB50#50	5.63	13	PASS			
					1.4	LCH	RB1#0	6.13	13	PASS
							RB1#3	6.06	13	PASS
	RB1#5	6					13	PASS		
	RB3#0	5.69					13	PASS		
	RB3#2	5.78					13	PASS		
	RB3#3	5.66					13	PASS		
	RB6#0	6.75					13	PASS		
	MCH	RB1#0				6.14	13	PASS		
		RB1#3				5.8	13	PASS		
		RB1#5				5.88	13	PASS		
		RB3#0				5.79	13	PASS		
		RB3#2				5.81	13	PASS		
		RB3#3				5.73	13	PASS		
	HCH	RB6#0				6.5	13	PASS		
		RB1#0				5.58	13	PASS		
		RB1#3	5.71	13	PASS					
		RB1#5	5.7	13	PASS					
RB3#0		5.46	13	PASS						
RB3#2		5.74	13	PASS						
		3	LCH	RB3#3	5.5	13	PASS			
				RB6#0	6.41	13	PASS			
			LCH	RB1#0	5.7	13	PASS			



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
				RB1#7	5.3	13	PASS	
				RB1#14	5.53	13	PASS	
				RB8#0	6.03	13	PASS	
				RB8#4	6.1	13	PASS	
				RB8#7	5.97	13	PASS	
				RB15#0	6.32	13	PASS	
			MCH	RB1#0	5.89	13	PASS	
				RB1#7	5.43	13	PASS	
				RB1#14	5.61	13	PASS	
				RB8#0	6.1	13	PASS	
				RB8#4	6.15	13	PASS	
				RB8#7	6.07	13	PASS	
			HCH	RB15#0	6.5	13	PASS	
				RB1#0	5.41	13	PASS	
				RB1#7	5.18	13	PASS	
				RB1#14	5.42	13	PASS	
				RB8#0	6.13	13	PASS	
				RB8#4	5.97	13	PASS	
		5	LCH		RB8#7	6.06	13	PASS
					RB15#0	6.3	13	PASS
					RB1#0	5.92	13	PASS
					RB1#13	5.62	13	PASS
					RB1#24	5.56	13	PASS
					RB12#0	6.42	13	PASS
			MCH	RB12#6	6.7	13	PASS	
				RB12#13	6.57	13	PASS	
				RB25#0	6.75	13	PASS	
				RB1#0	5.54	13	PASS	
				RB1#13	6	13	PASS	
				RB1#24	5.64	13	PASS	
HCH	RB12#0	6.11	13	PASS				
	RB12#6	6.13	13	PASS				
	RB12#13	6.15	13	PASS				
	RB25#0	6.55	13	PASS				
	RB12#0	6.19	13	PASS				
				RB12#6	6.3	13	PASS	

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		10		RB12#13	6.18	13	PASS
				RB25#0	6.52	13	PASS
			LCH	RB1#0	5.86	13	PASS
				RB1#25	5.25	13	PASS
				RB1#49	5.42	13	PASS
				RB25#0	6.48	13	PASS
				RB25#13	6.5	13	PASS
				RB25#25	6.34	13	PASS
				RB50#0	6.68	13	PASS
				MCH	RB1#0	5.53	13
		RB1#25	5.6		13	PASS	
		RB1#49	5.72		13	PASS	
		RB25#0	6.36		13	PASS	
		RB25#13	6.45		13	PASS	
		RB25#25	6.37		13	PASS	
		RB50#0	6.71		13	PASS	
		HCH	RB1#0	5.4	13	PASS	
			RB1#25	5.13	13	PASS	
			RB1#49	5.44	13	PASS	
			RB25#0	6.09	13	PASS	
			RB25#13	6.42	13	PASS	
			RB25#25	6.37	13	PASS	
			RB50#0	6.55	13	PASS	
		15	LCH	RB1#0	5.74	13	PASS
				RB1#38	5.01	13	PASS
				RB1#74	5.66	13	PASS
				RB38#0	6.36	13	PASS
				RB38#19	6.17	13	PASS
				RB38#39	6.13	13	PASS
				RB75#0	6.98	13	PASS
			MCH	RB1#0	5.53	13	PASS
				RB1#38	5.79	13	PASS
RB1#74	6			13	PASS		
RB38#0	6.4			13	PASS		
RB38#19	6.44			13	PASS		
RB38#39	6.57	13		PASS			
HCH	RB1#0	7.1	13	PASS			
	RB1#38	6.1	13	PASS			
			HCH	RB1#38	5.08	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#74	5.37	13	PASS
				RB38#0	6.65	13	PASS
				RB38#19	6.31	13	PASS
				RB38#39	6.19	13	PASS
				RB75#0	6.68	13	PASS
			LCH	RB1#0	5.58	13	PASS
				RB1#50	5.08	13	PASS
				RB1#99	5.51	13	PASS
				RB50#0	6.34	13	PASS
				RB50#25	6.51	13	PASS
		RB50#50		6.41	13	PASS	
		RB100#0		6.81	13	PASS	
		MCH	RB1#0	5.28	13	PASS	
			RB1#50	5.21	13	PASS	
			RB1#99	5.6	13	PASS	
			RB50#0	6.44	13	PASS	
			RB50#25	6.49	13	PASS	
			RB50#50	6.65	13	PASS	
			RB100#0	7.21	13	PASS	
		HCH	RB1#0	5.64	13	PASS	
			RB1#50	5.19	13	PASS	
			RB1#99	5.4	13	PASS	
			RB50#0	6.74	13	PASS	
			RB50#25	6.73	13	PASS	
			RB50#50	6.2	13	PASS	
			RB100#0	6.84	13	PASS	

## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

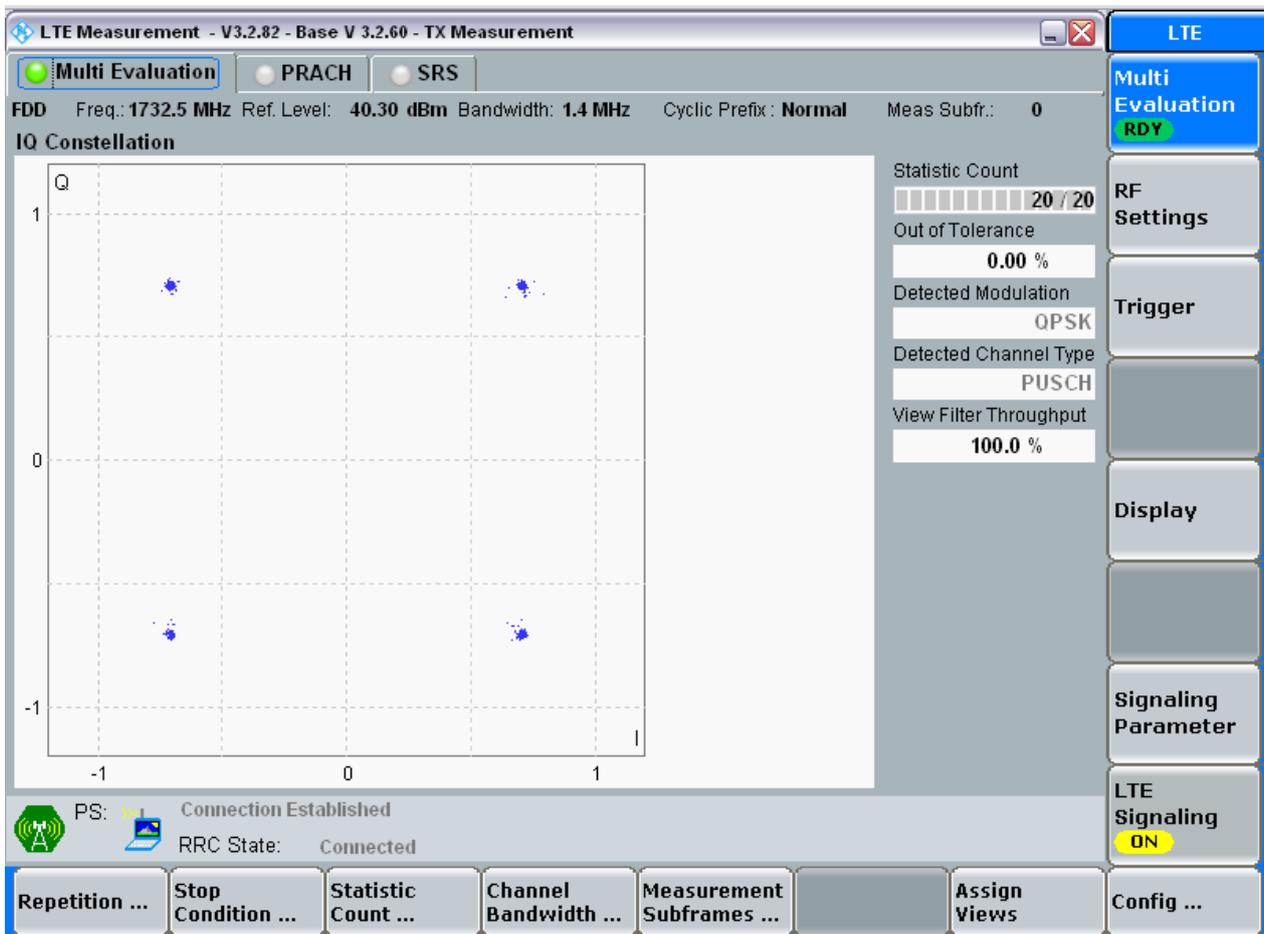
##### 3.1.1 Test Band = BAND4

##### 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 = MCH

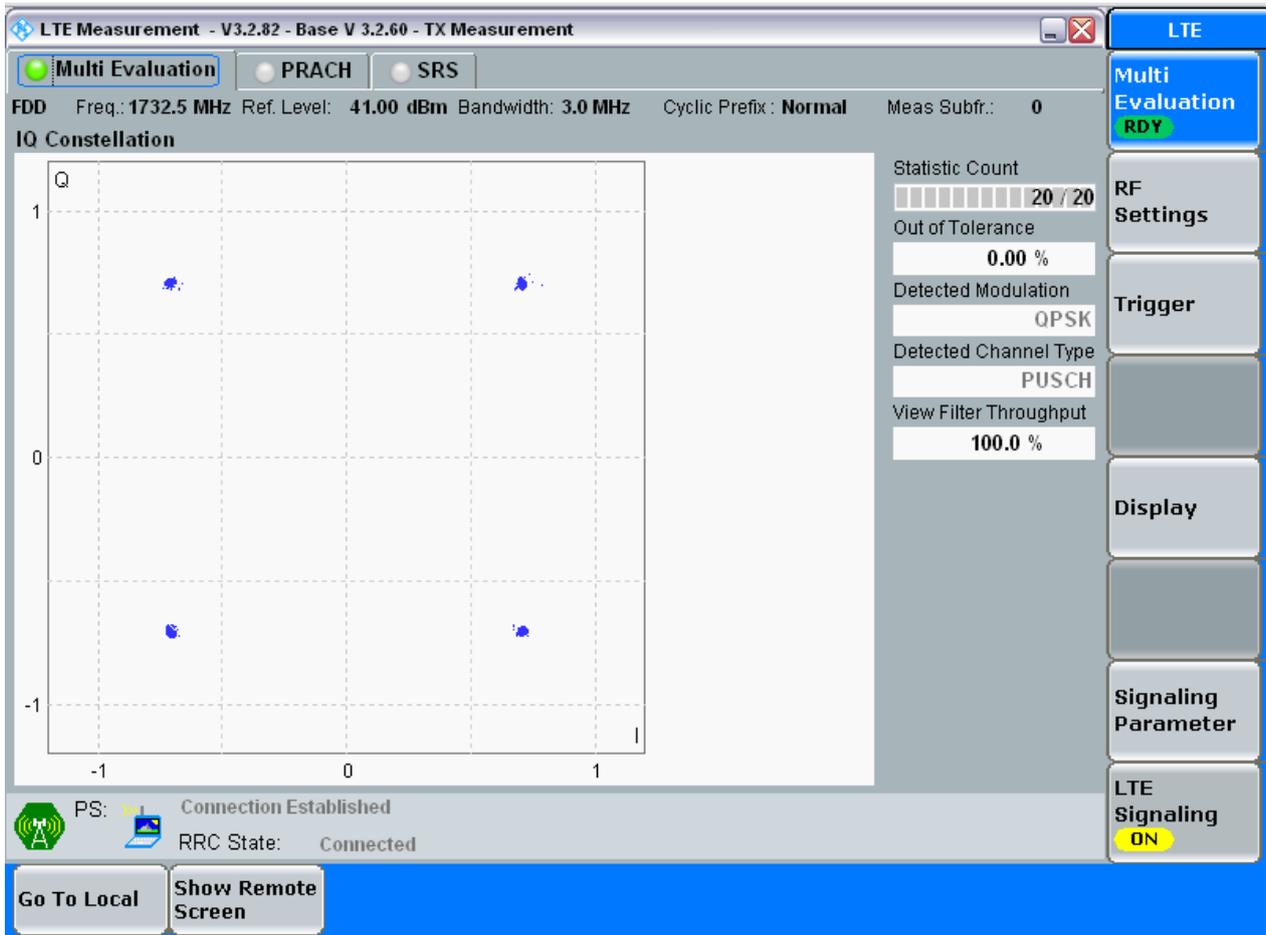
##### 3.1.1.1.1.1.1 Test RB = RB6#0



### 3.1.1.1.2 Test Bandwidth = 3

#### 3.1.1.1.2.1 Test Channel = MCH

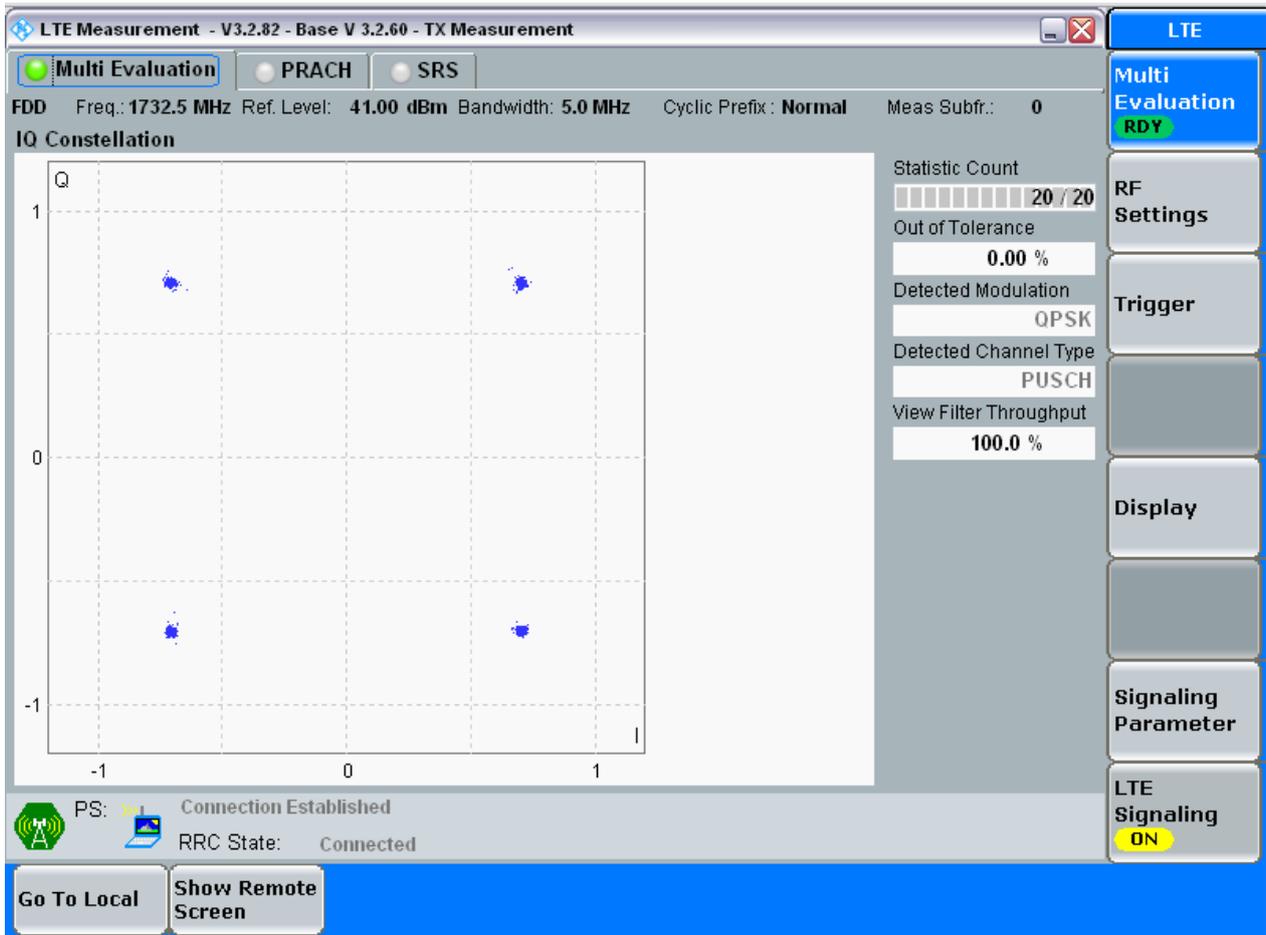
##### 3.1.1.1.2.1.1 Test RB = RB15#0



### 3.1.1.1.3 Test Bandwidth = 5

#### 3.1.1.1.3.1 Test Channel = MCH

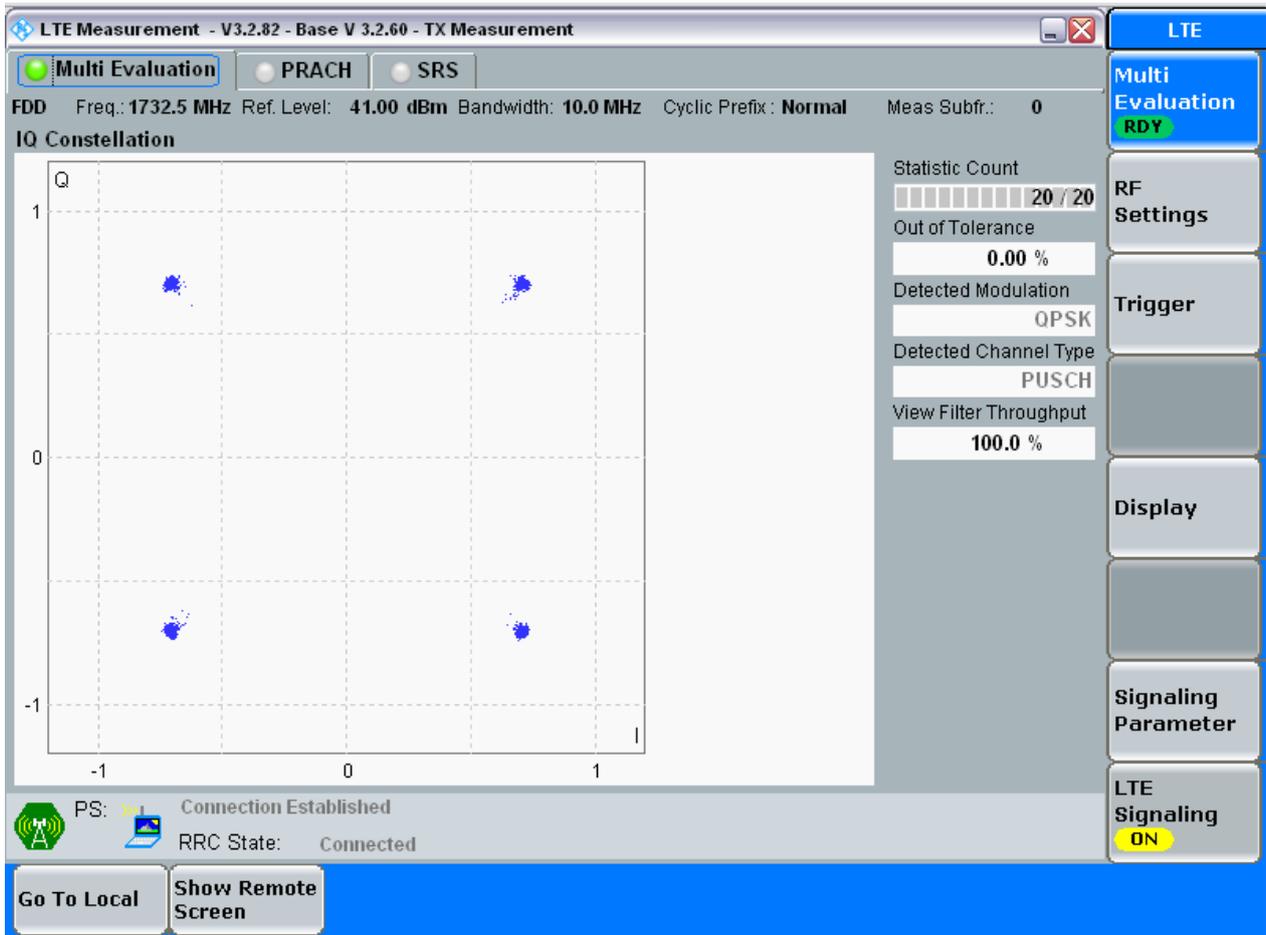
##### 3.1.1.1.3.1.1 Test RB = RB25#0



### 3.1.1.1.4 Test Bandwidth = 10

#### 3.1.1.1.4.1 Test Channel = MCH

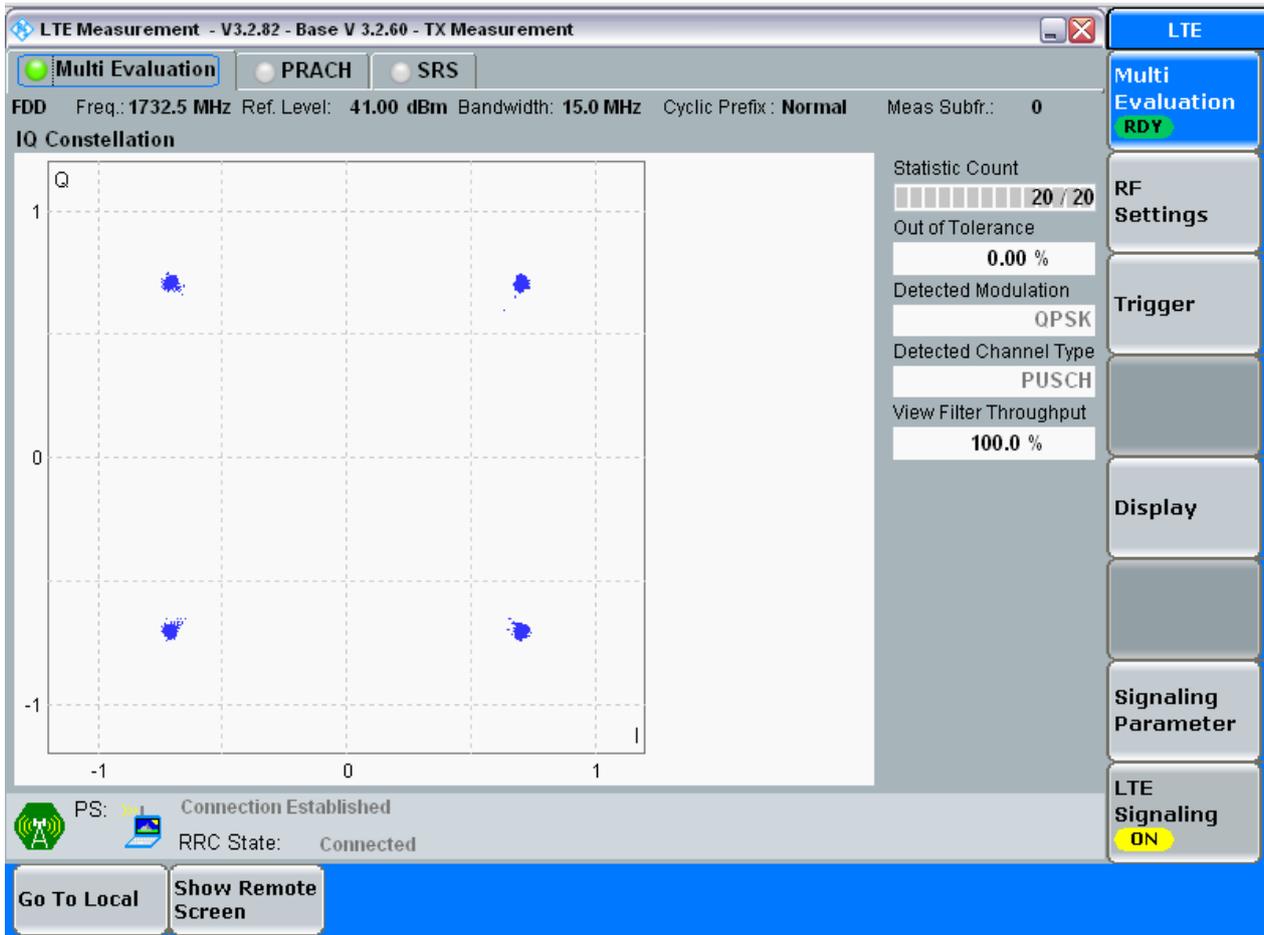
##### 3.1.1.1.4.1.1 Test RB = RB50#0



### 3.1.1.1.5 Test Bandwidth = 15

#### 3.1.1.1.5.1 Test Channel = MCH

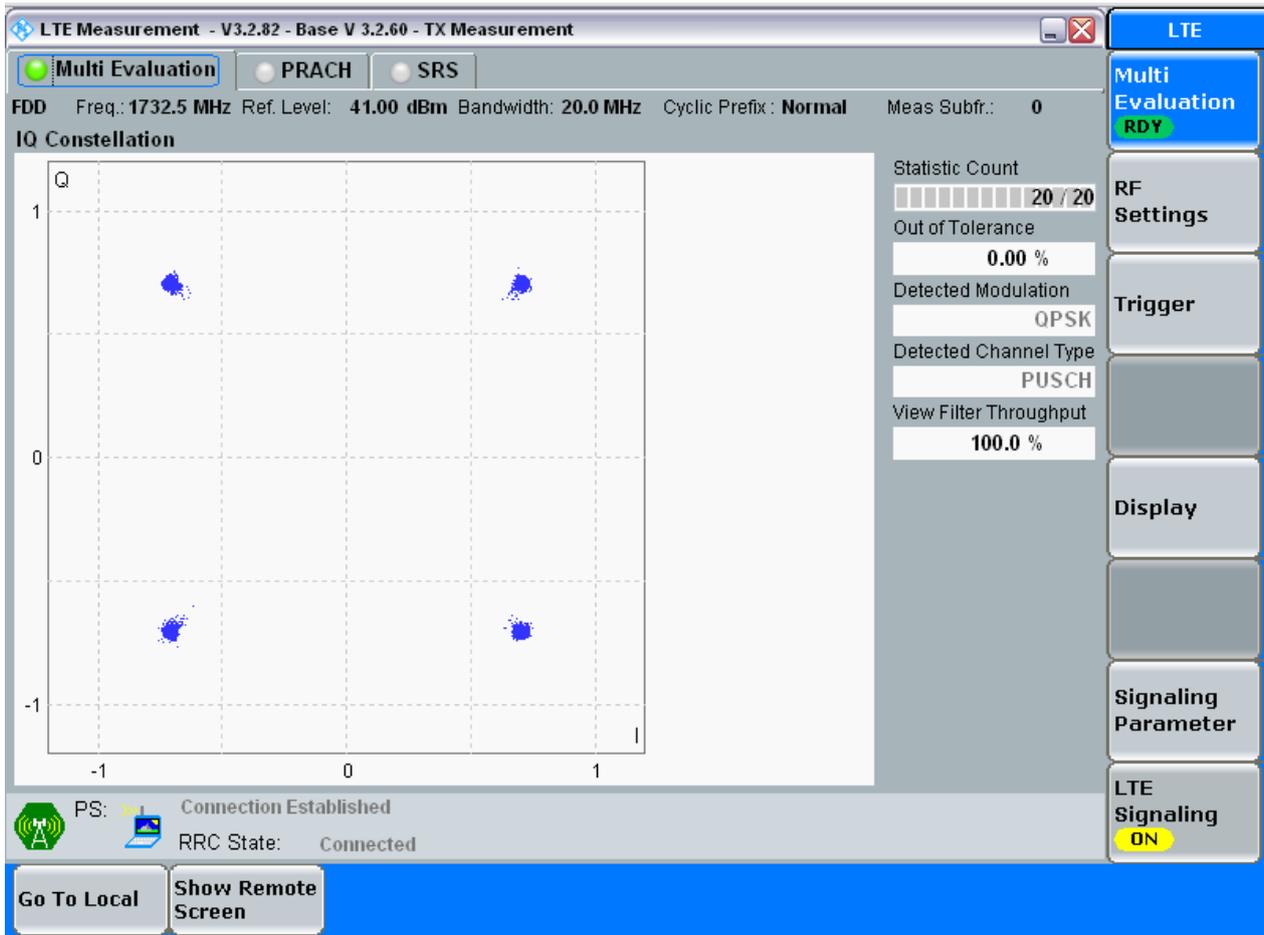
##### 3.1.1.1.5.1.1 Test RB = RB75#0



### 3.1.1.1.6 Test Bandwidth = 20

#### 3.1.1.1.6.1 Test Channel = MCH

##### 3.1.1.1.6.1.1 Test RB = RB100#0

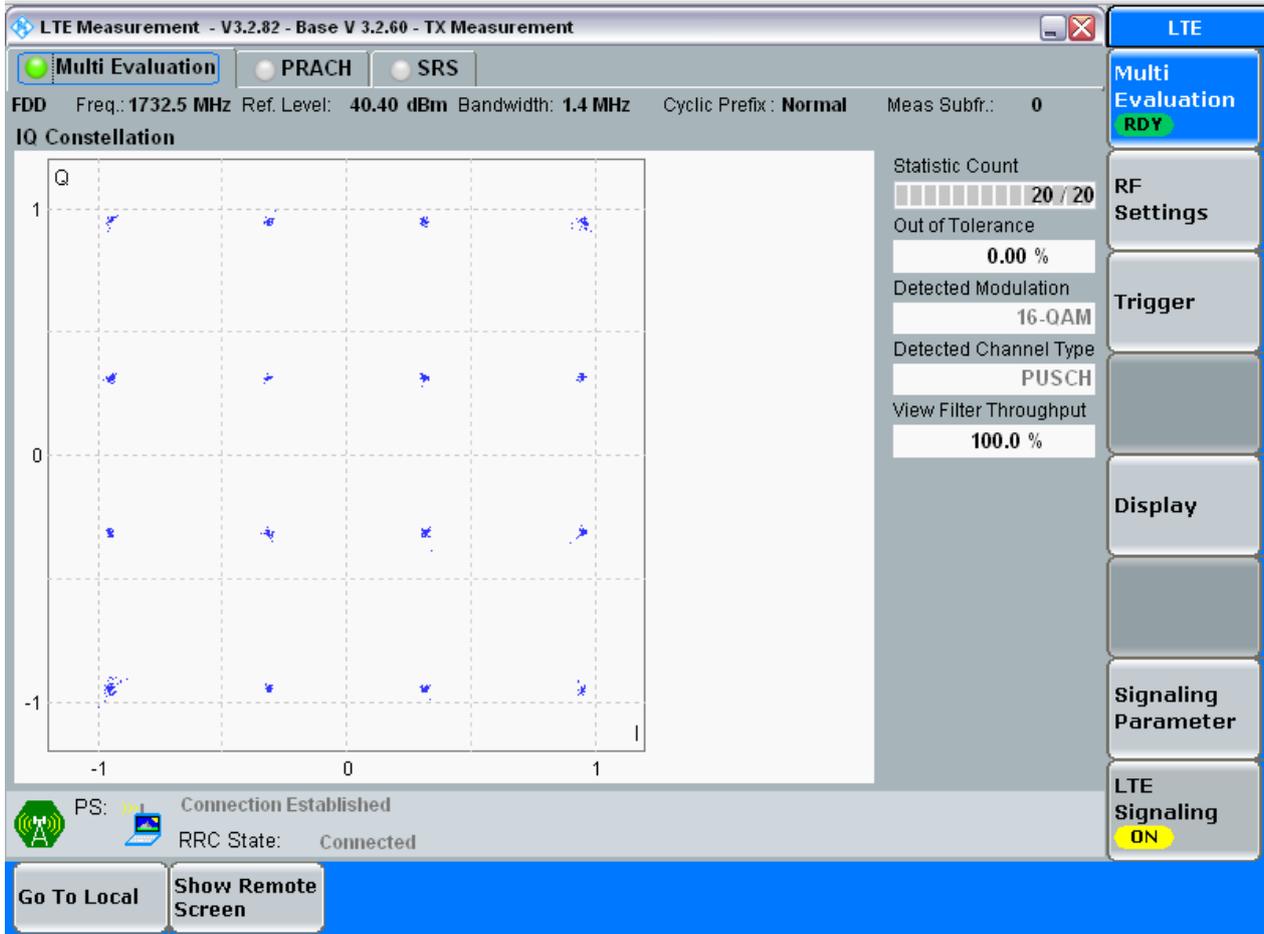


### 3.1.1.2 Test Mode = LTE/TM2

#### 3.1.1.2.1 Test Bandwidth = 1.4

##### 3.1.1.2.1.1 Test Channel = MCH

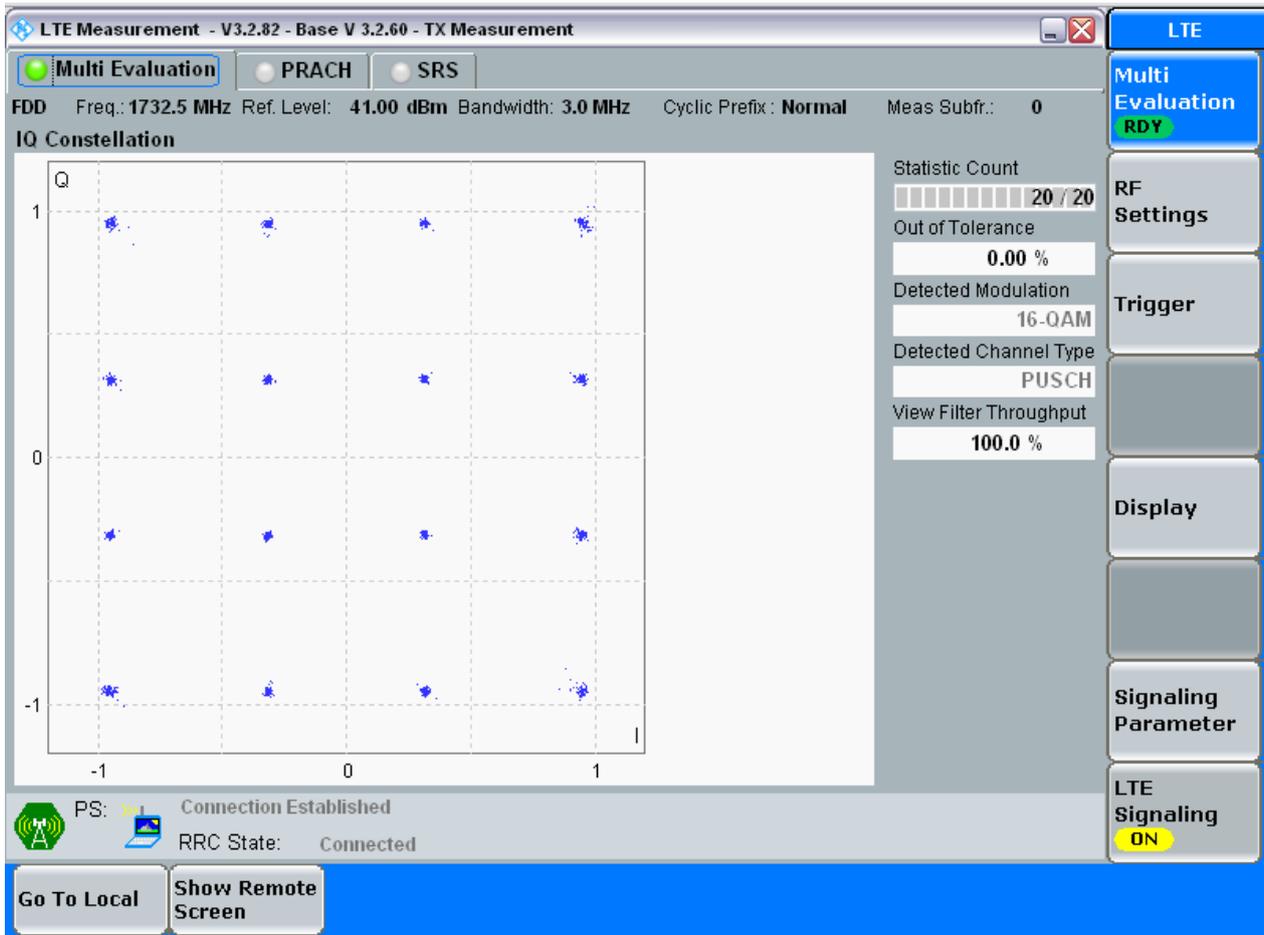
###### 3.1.1.2.1.1.1 Test RB = RB6#0



### 3.1.1.2.2 Test Bandwidth = 3

#### 3.1.1.2.2.1 Test Channel = MCH

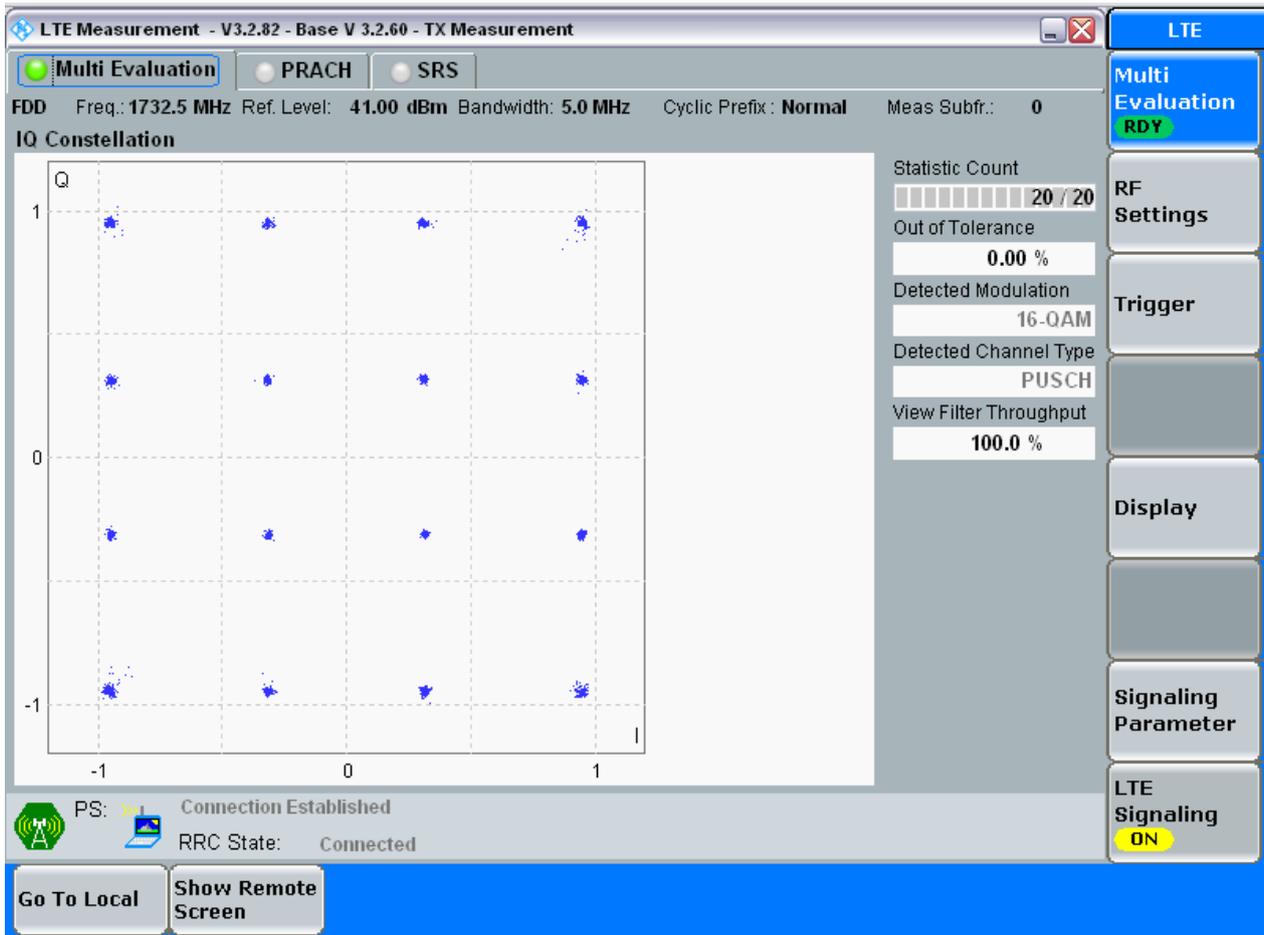
##### 3.1.1.2.2.1.1 Test RB = RB15#0



### 3.1.1.2.3 Test Bandwidth = 5

#### 3.1.1.2.3.1 Test Channel = MCH

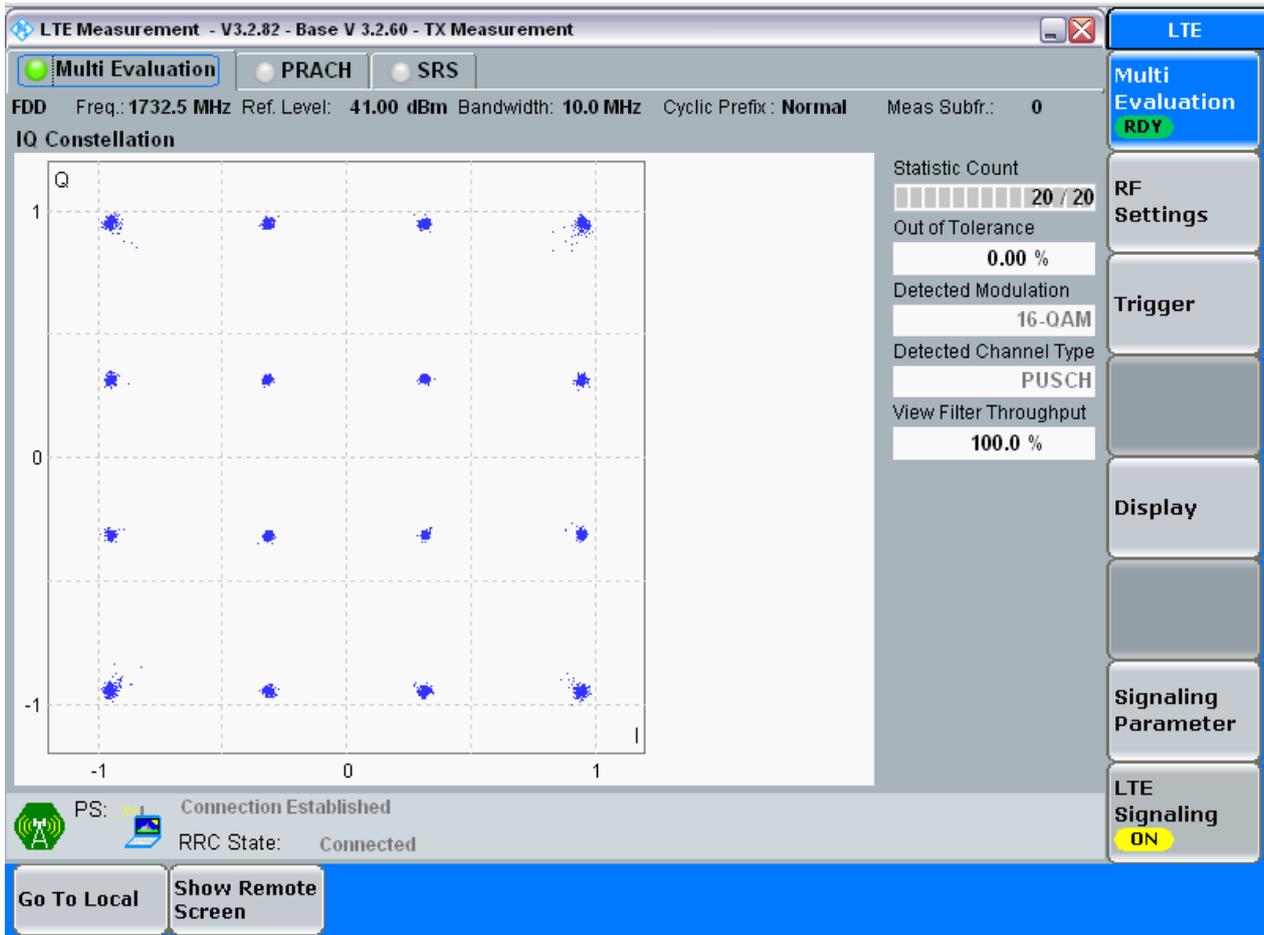
##### 3.1.1.2.3.1.1 Test RB = RB25#0



### 3.1.1.2.4 Test Bandwidth = 10

#### 3.1.1.2.4.1 Test Channel = MCH

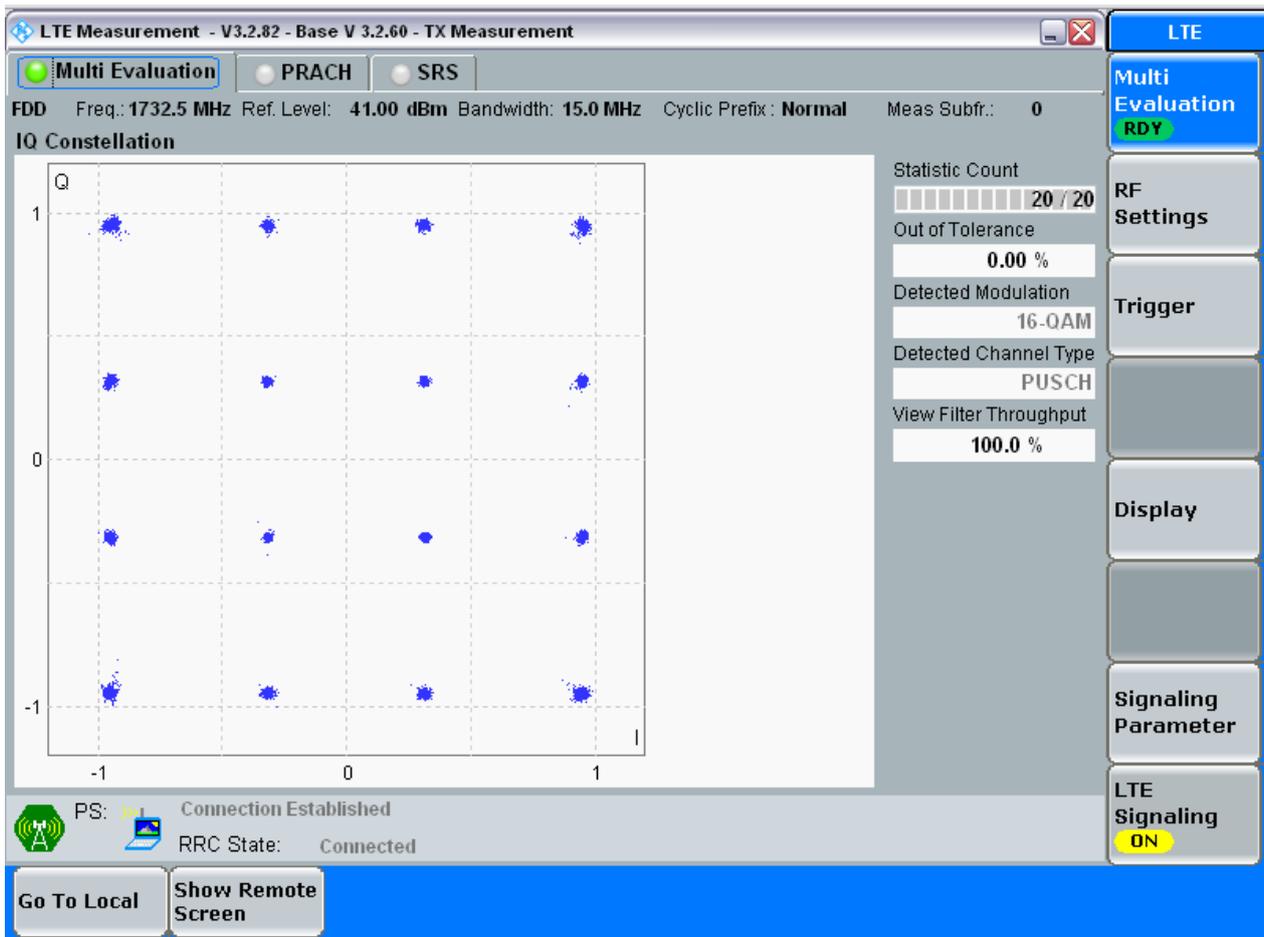
##### 3.1.1.2.4.1.1 Test RB = RB50#0



### 3.1.1.2.5 Test Bandwidth = 15

#### 3.1.1.2.5.1 Test Channel = MCH

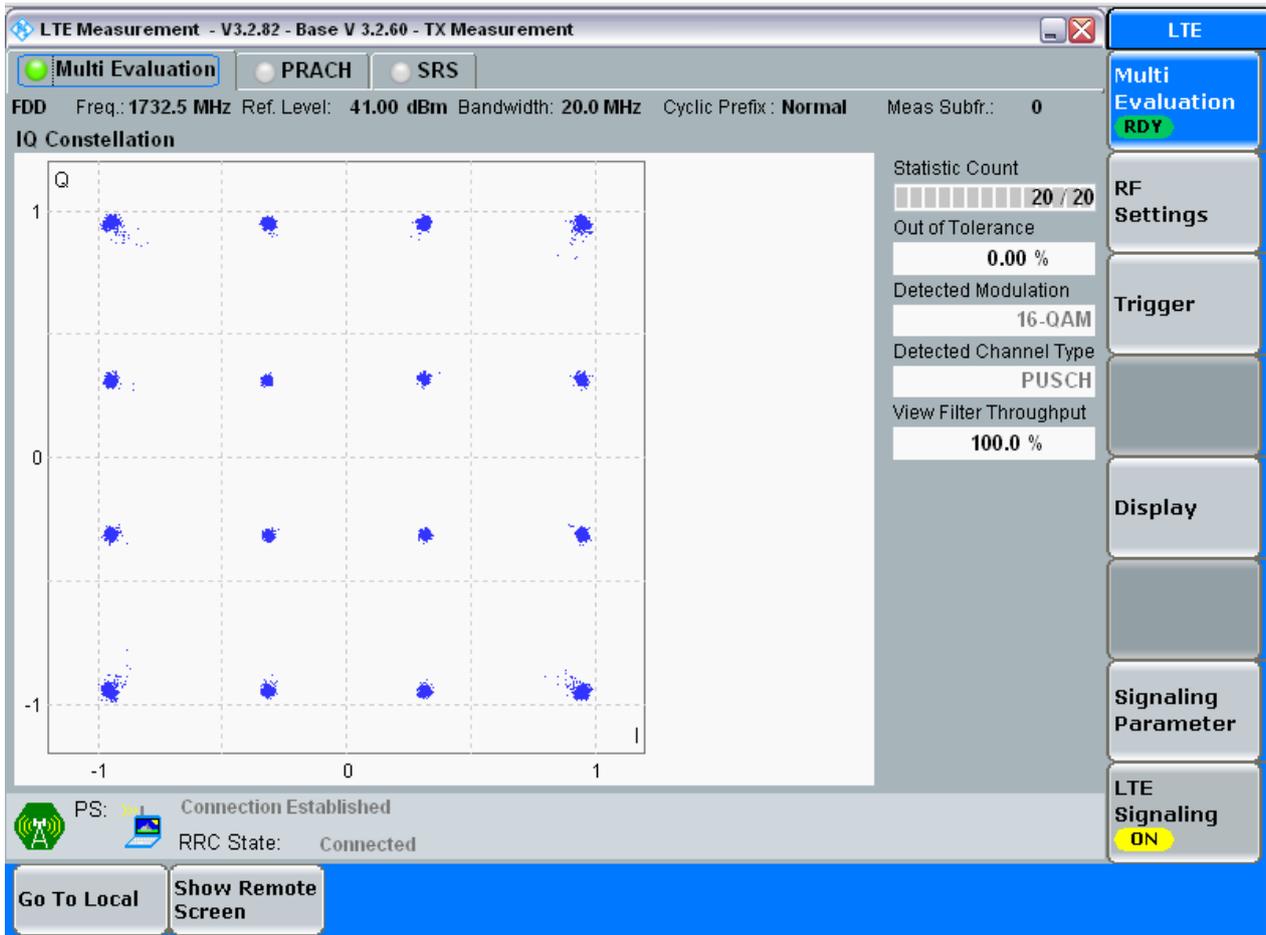
##### 3.1.1.2.5.1.1 Test RB = RB75#0



### 3.1.1.2.6 Test Bandwidth = 20

#### 3.1.1.2.6.1 Test Channel = MCH

##### 3.1.1.2.6.1.1 Test RB = RB100#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
BAND4	LTE/TM1	1.4	LCH	RB6#0	1.10	1.24	Pass
			MCH	RB6#0	1.10	1.24	Pass
			HCH	RB6#0	1.10	1.23	Pass
		3	LCH	RB15#0	2.71	2.99	Pass
			MCH	RB15#0	2.70	2.96	Pass
			HCH	RB15#0	2.71	2.97	Pass
		5	LCH	RB25#0	4.51	4.94	Pass
			MCH	RB25#0	4.51	4.98	Pass
			HCH	RB25#0	4.52	4.97	Pass
		10	LCH	RB50#0	8.97	9.85	Pass
			MCH	RB50#0	9.03	9.95	Pass
			HCH	RB50#0	8.99	9.88	Pass
		15	LCH	RB75#0	13.47	14.94	Pass
			MCH	RB75#0	13.57	15.11	Pass
			HCH	RB75#0	13.41	14.81	Pass
		20	LCH	RB100#0	17.91	19.65	Pass
			MCH	RB100#0	18.07	19.83	Pass
			HCH	RB100#0	17.82	19.56	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.10	1.24	Pass
			MCH	RB6#0	1.09	1.24	Pass
			HCH	RB6#0	1.09	1.24	Pass
		3	LCH	RB15#0	2.71	2.98	Pass
			MCH	RB15#0	2.71	2.99	Pass
			HCH	RB15#0	2.72	2.99	Pass
5		LCH	RB25#0	4.51	4.96	Pass	
		MCH	RB25#0	4.52	4.98	Pass	
		HCH	RB25#0	4.52	5.00	Pass	
10		LCH	RB50#0	8.98	9.93	Pass	
		MCH	RB50#0	9.00	9.91	Pass	
		HCH	RB50#0	8.96	9.91	Pass	



Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
		15	LCH	RB75#0	13.42	14.92	Pass
			MCH	RB75#0	13.55	15.16	Pass
			HCH	RB75#0	13.40	14.80	Pass
		20	LCH	RB100#0	17.93	19.65	Pass
			MCH	RB100#0	18.10	19.89	Pass
			HCH	RB100#0	17.86	19.57	Pass



Part II - Test Plots

4.1 For LTE

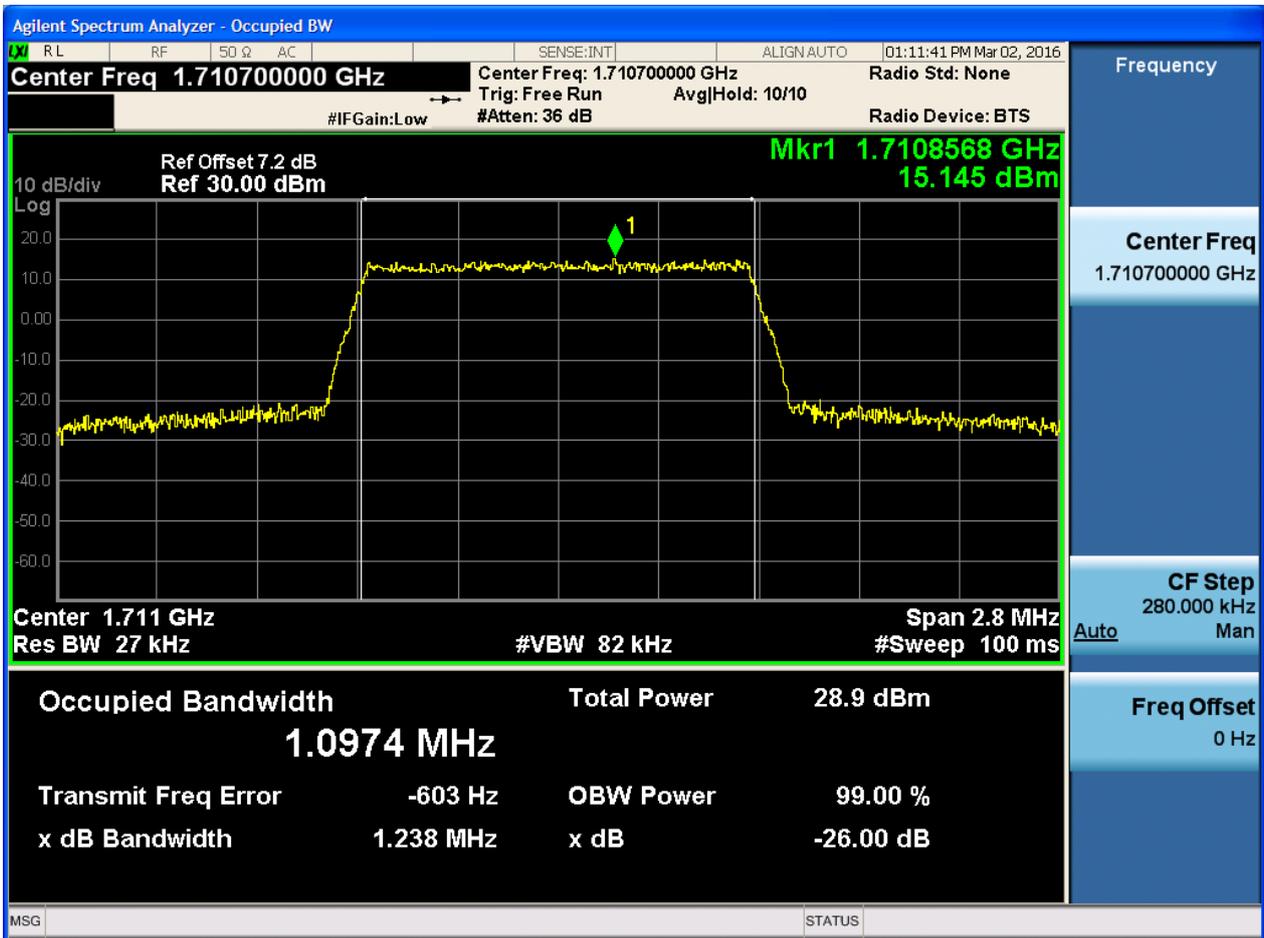
4.1.1 Test Band = BAND4

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

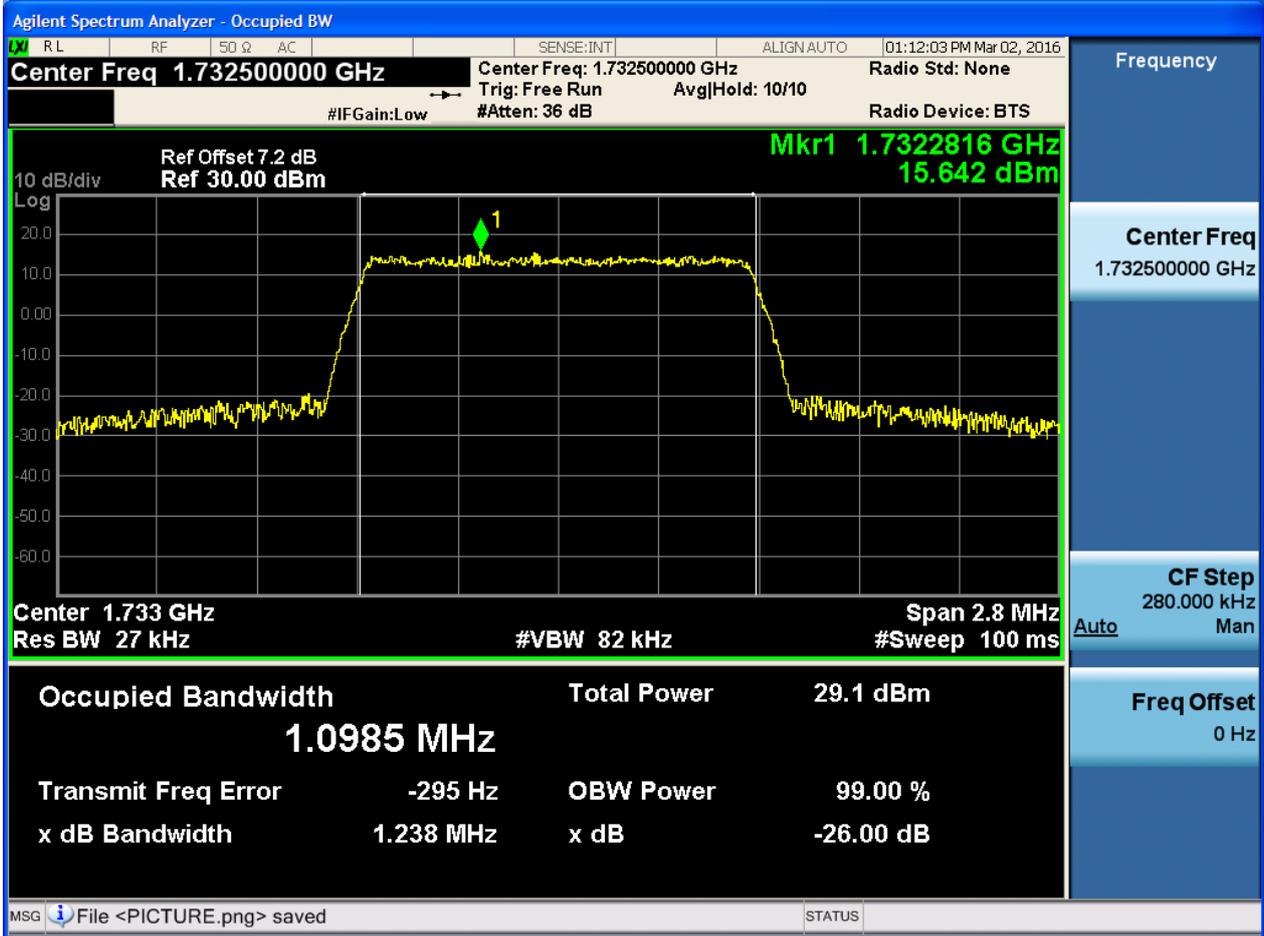
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

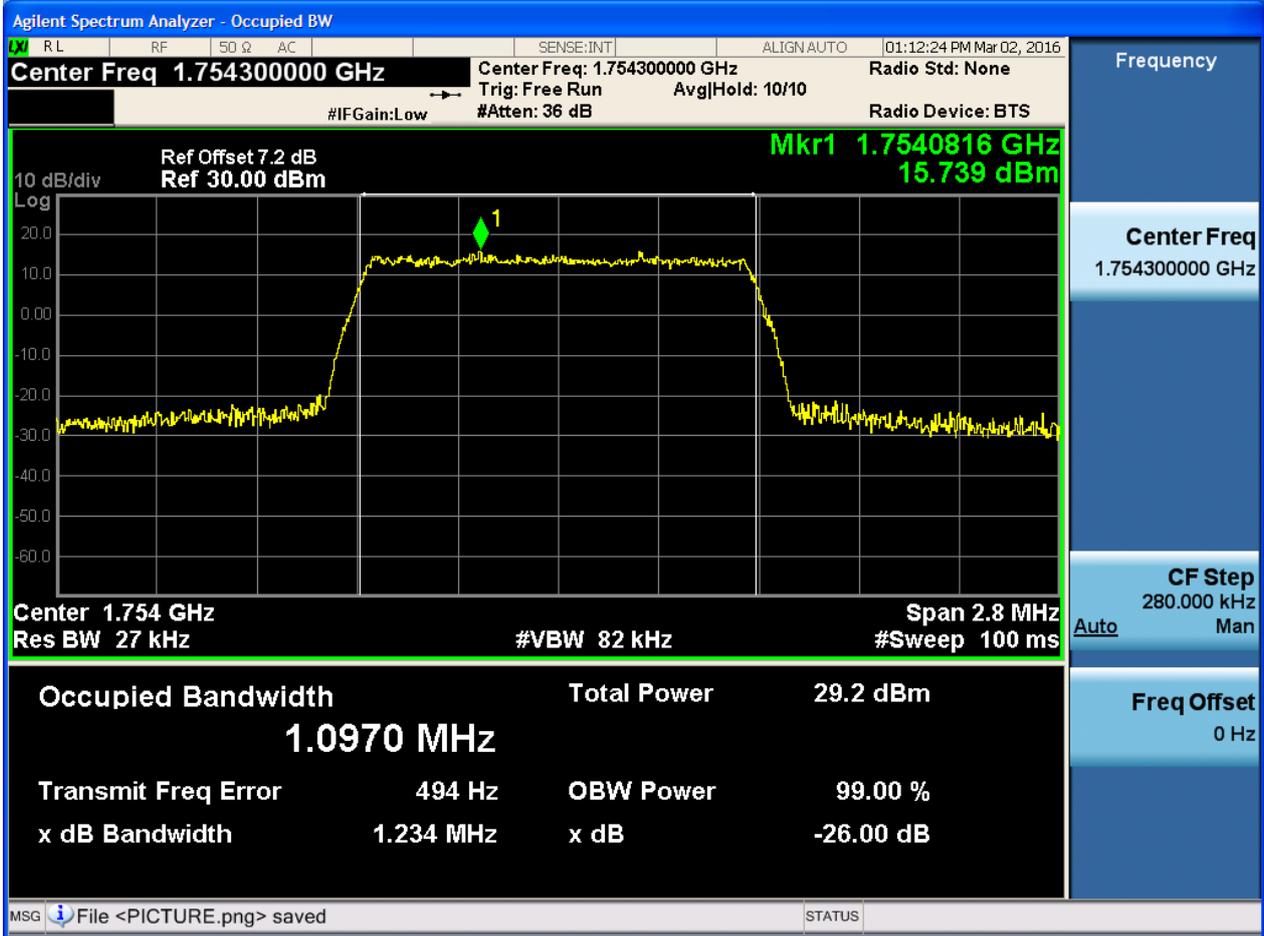
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

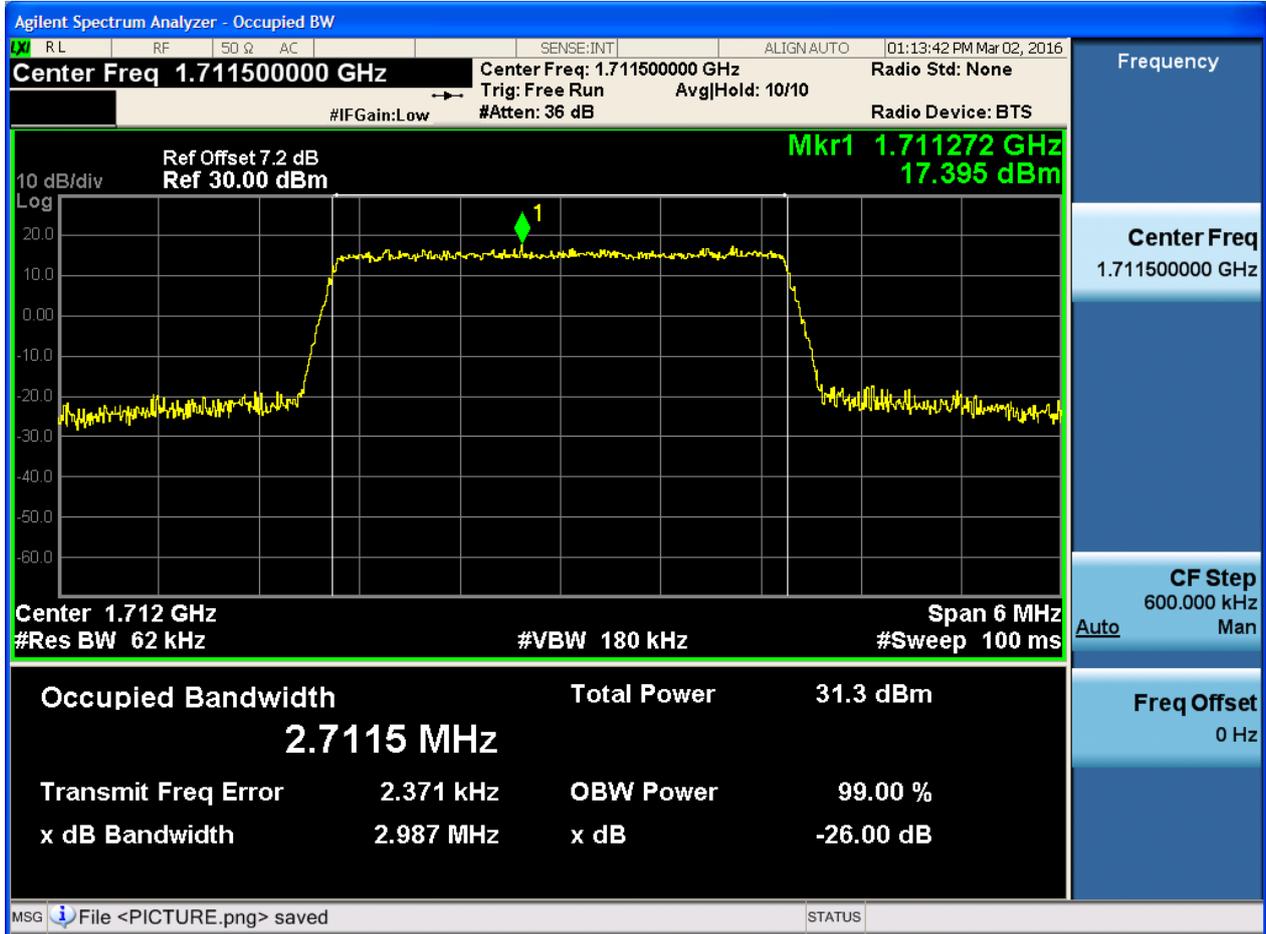




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

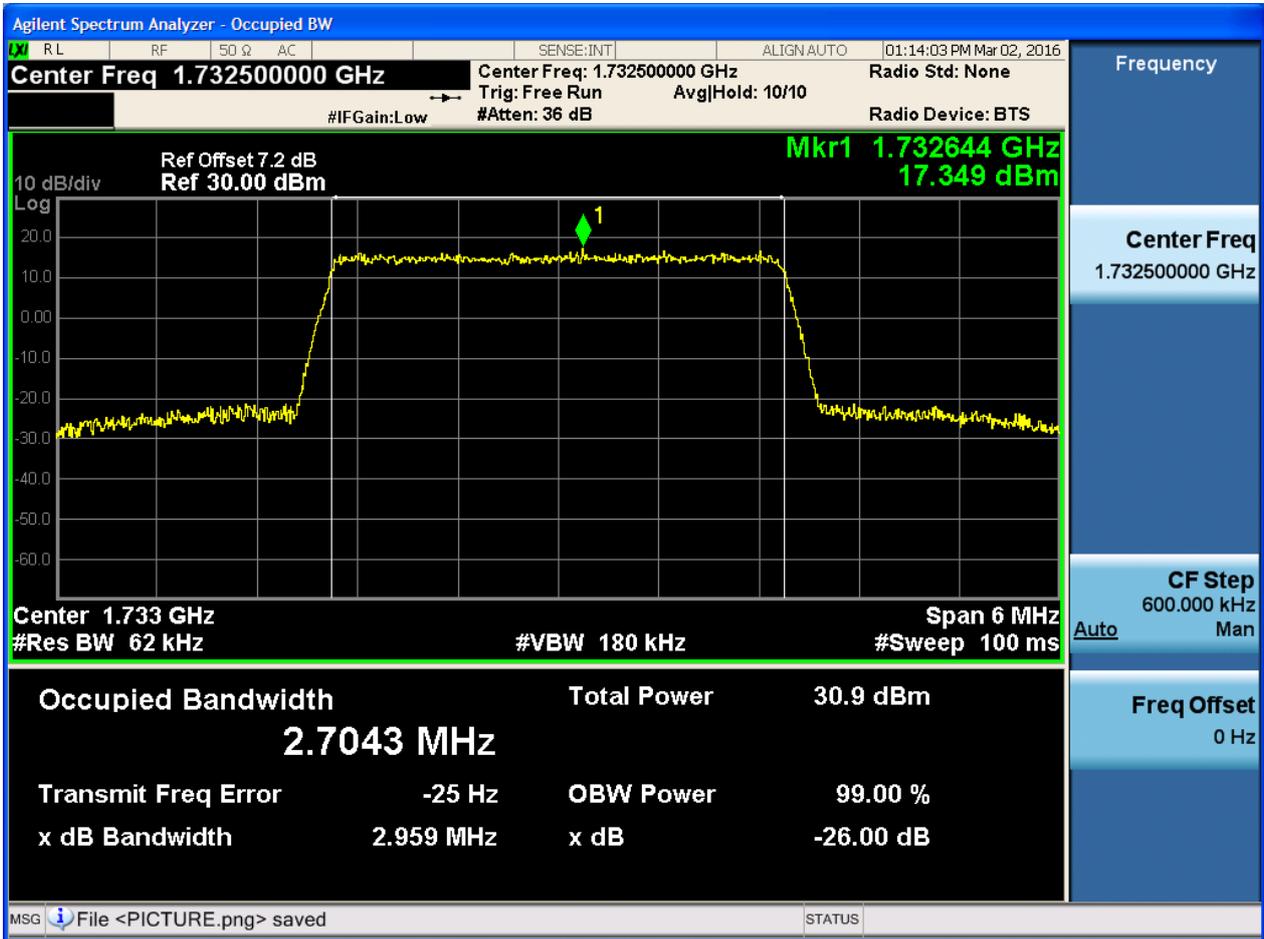
4.1.1.1.2.1.1 Test RB = RB15#0





4.1.1.1.2.2 Test Channel = MCH

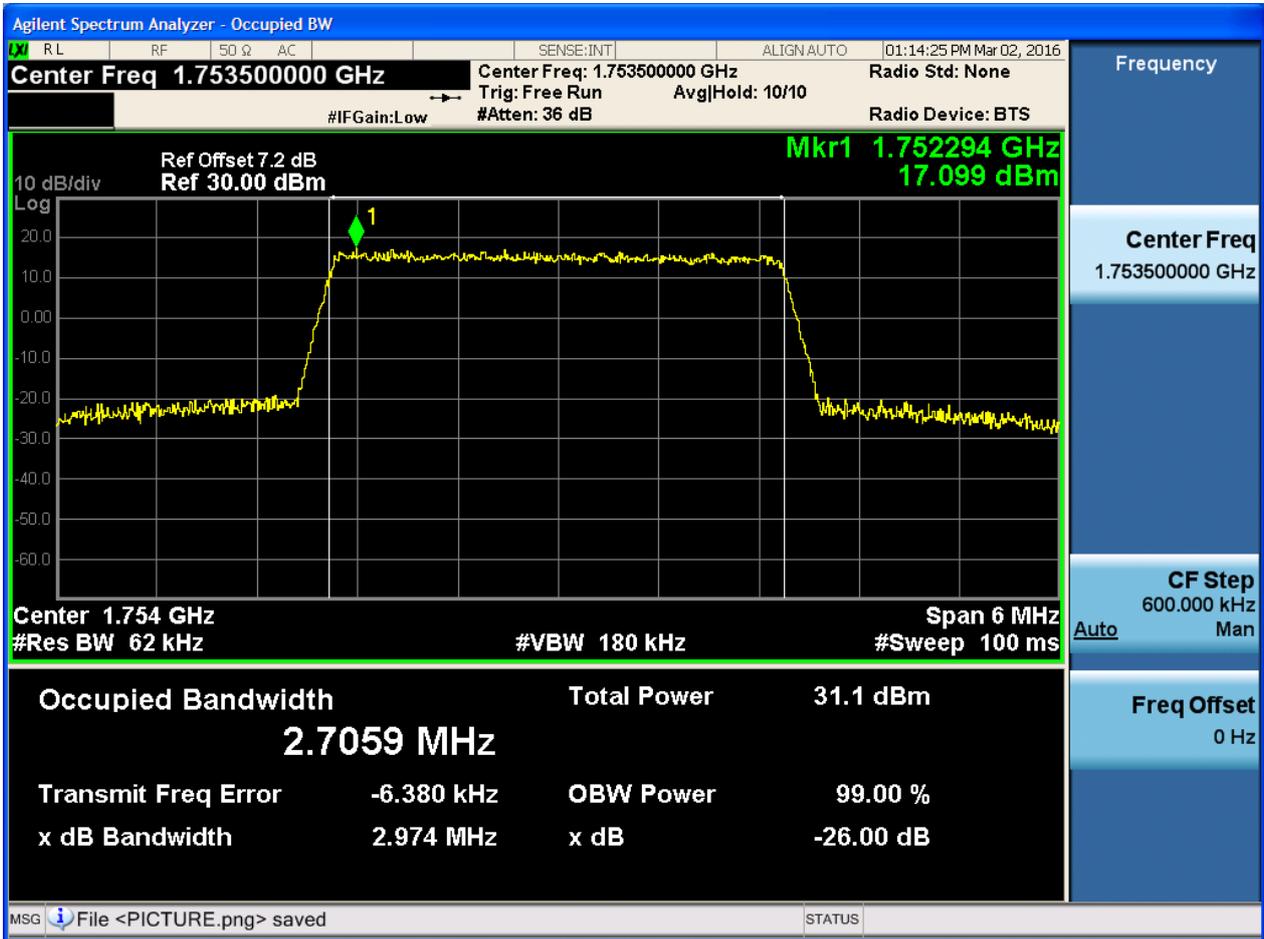
4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

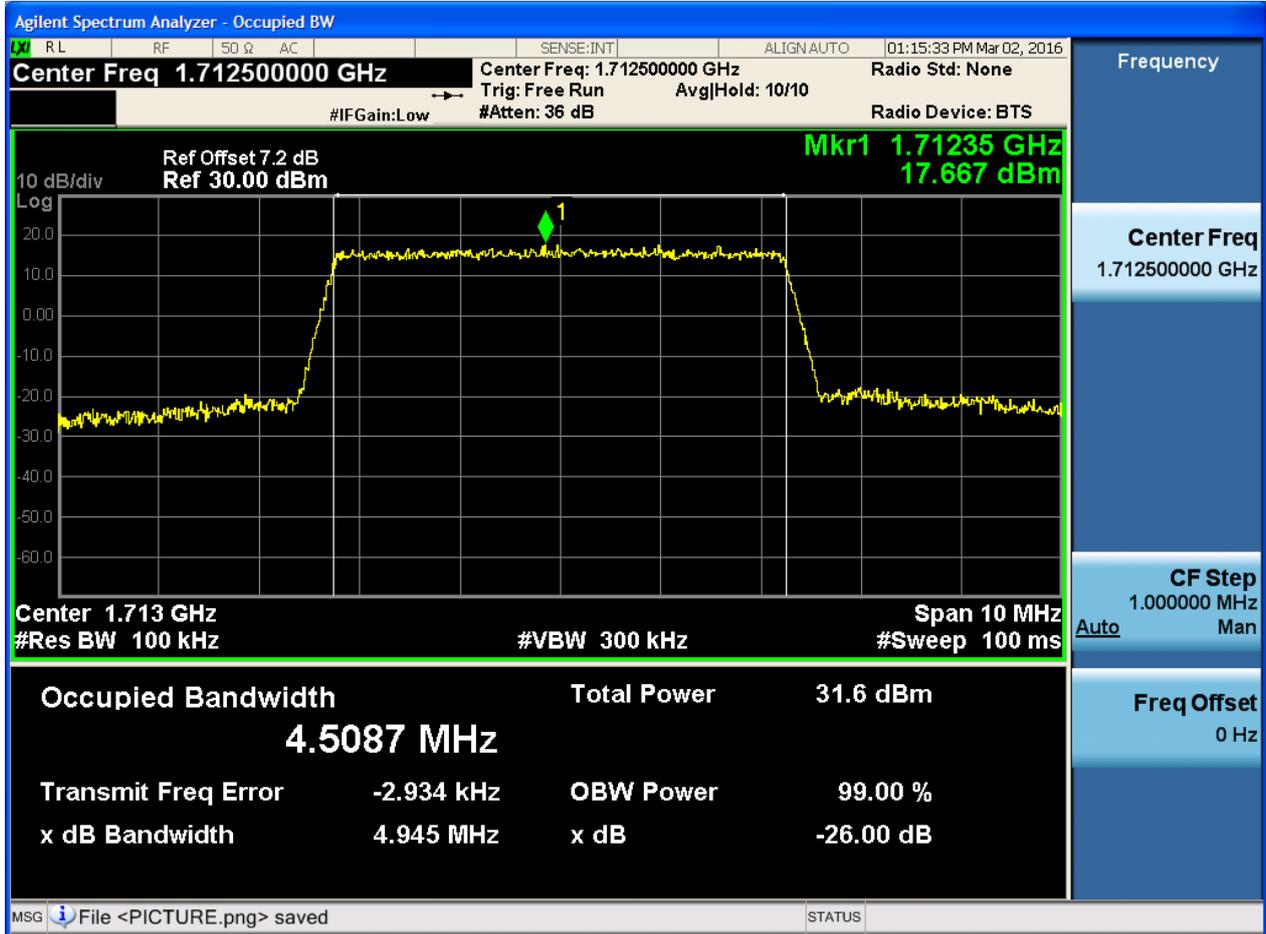




4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

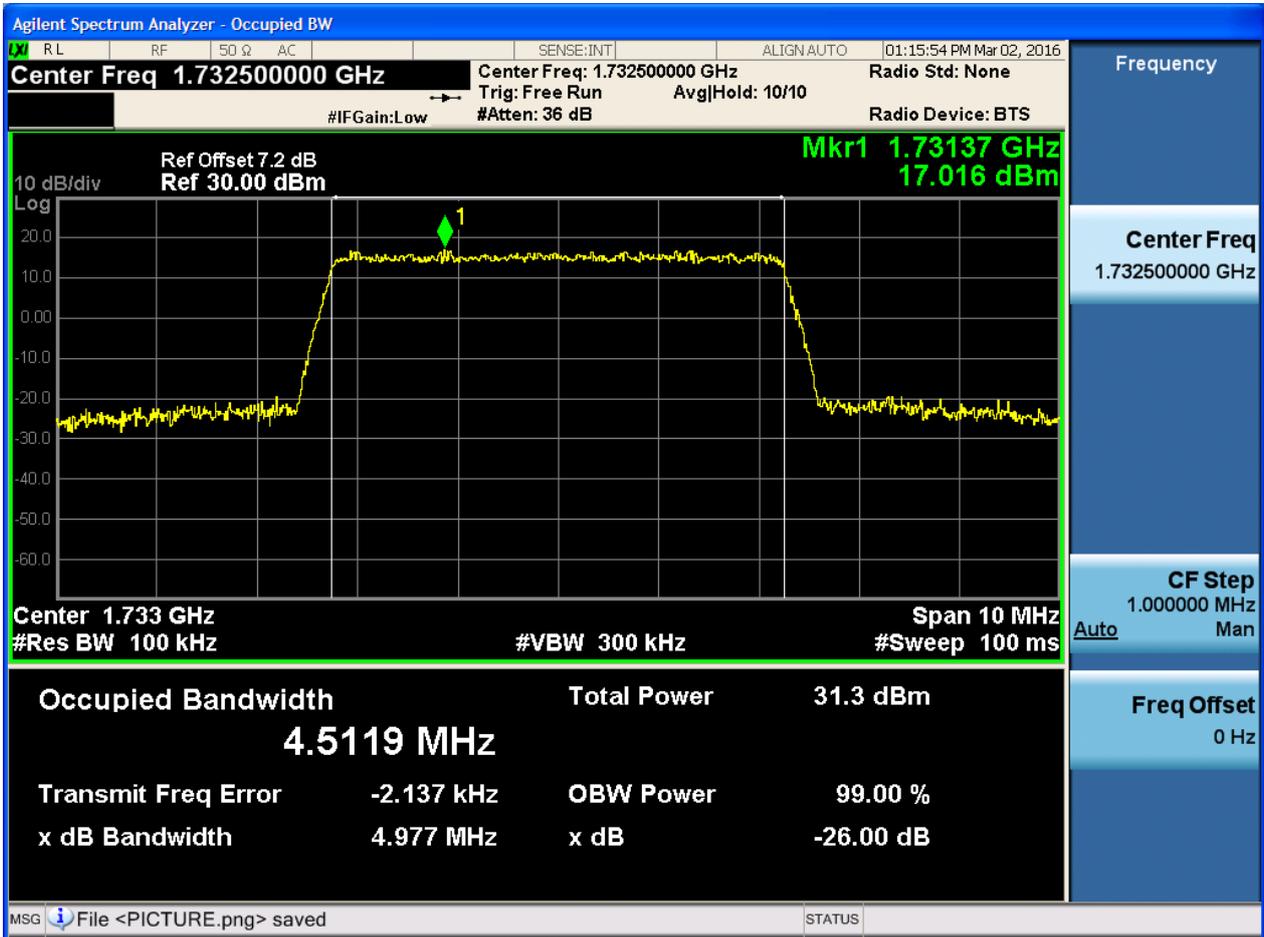
4.1.1.1.3.1.1 Test RB = RB25#0





4.1.1.1.3.2 Test Channel = MCH

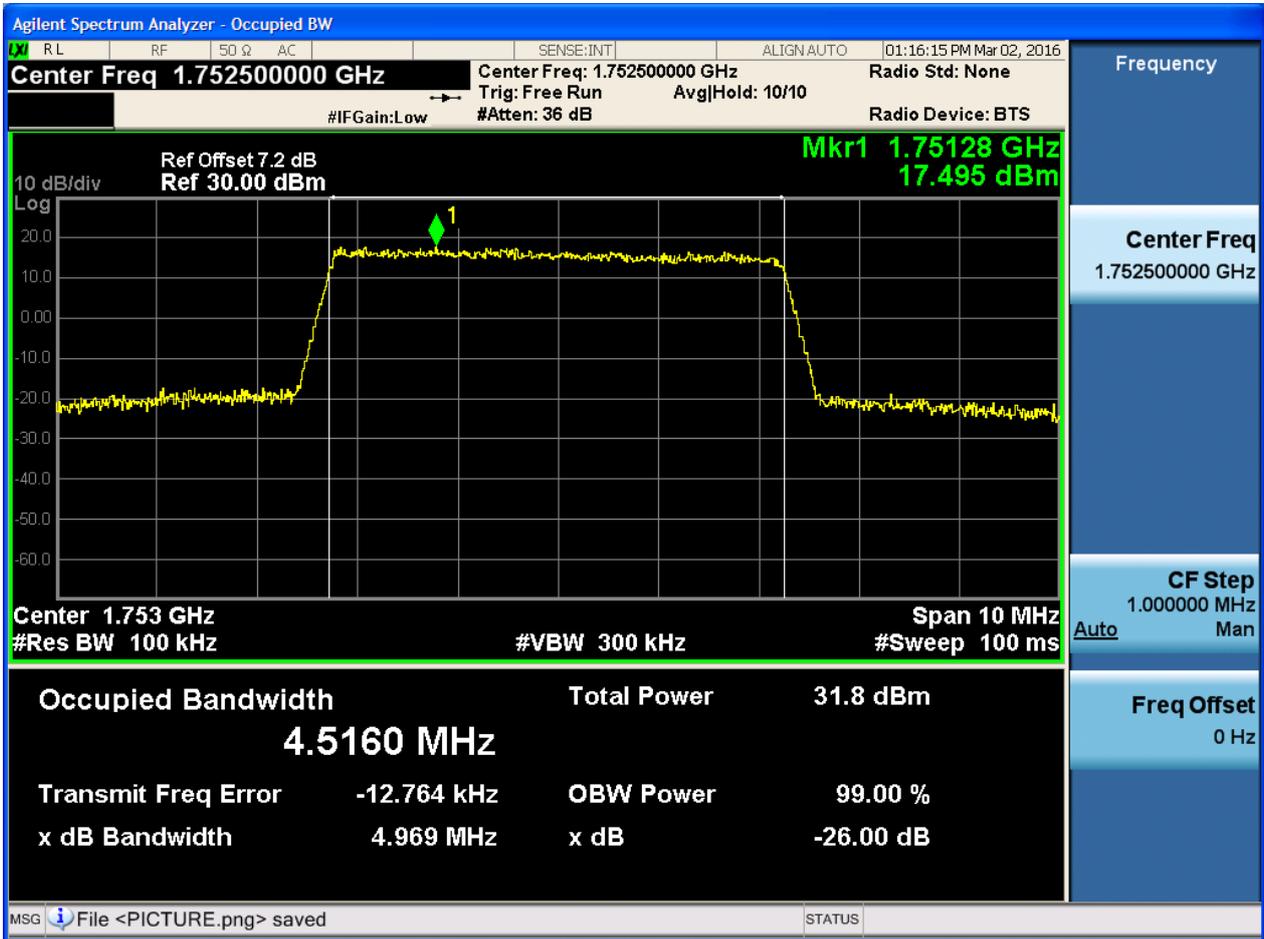
4.1.1.1.3.2.1 Test RB = RB25#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

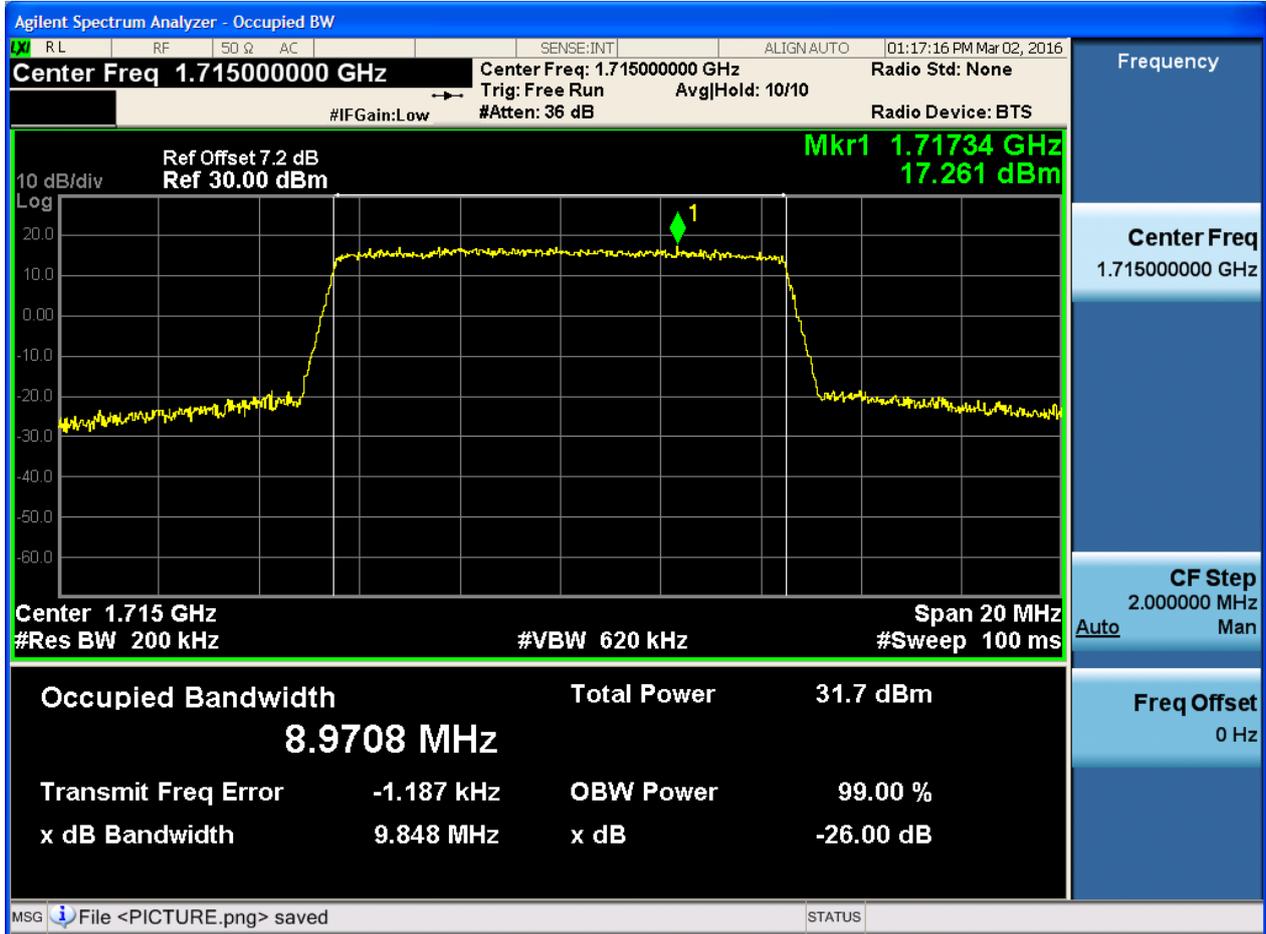




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

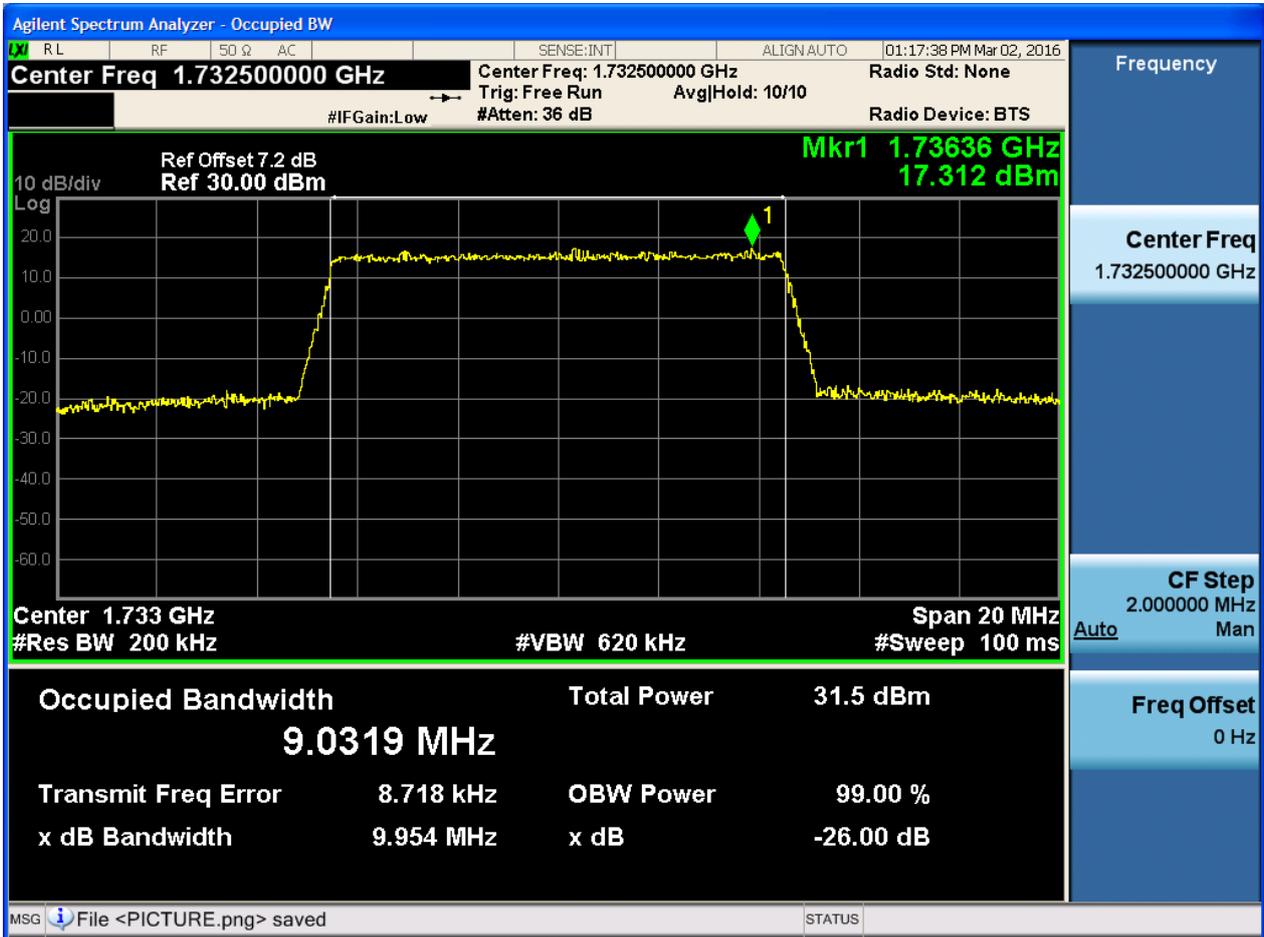
4.1.1.1.4.1.1 Test RB = RB50#0





4.1.1.1.4.2 Test Channel = MCH

4.1.1.1.4.1.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0

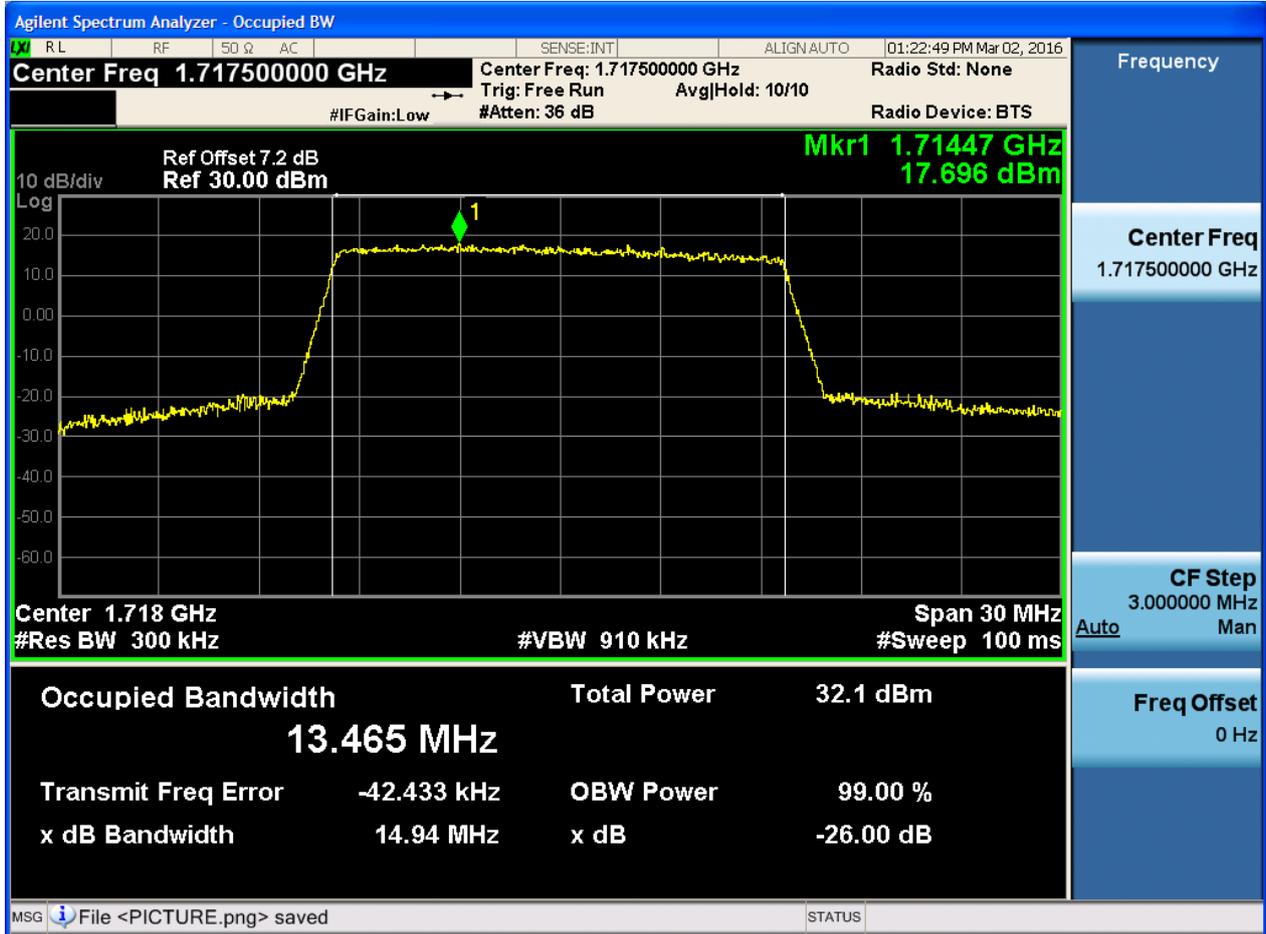




4.1.1.1.5 Test Bandwidth = 15

4.1.1.1.5.1 Test Channel = LCH

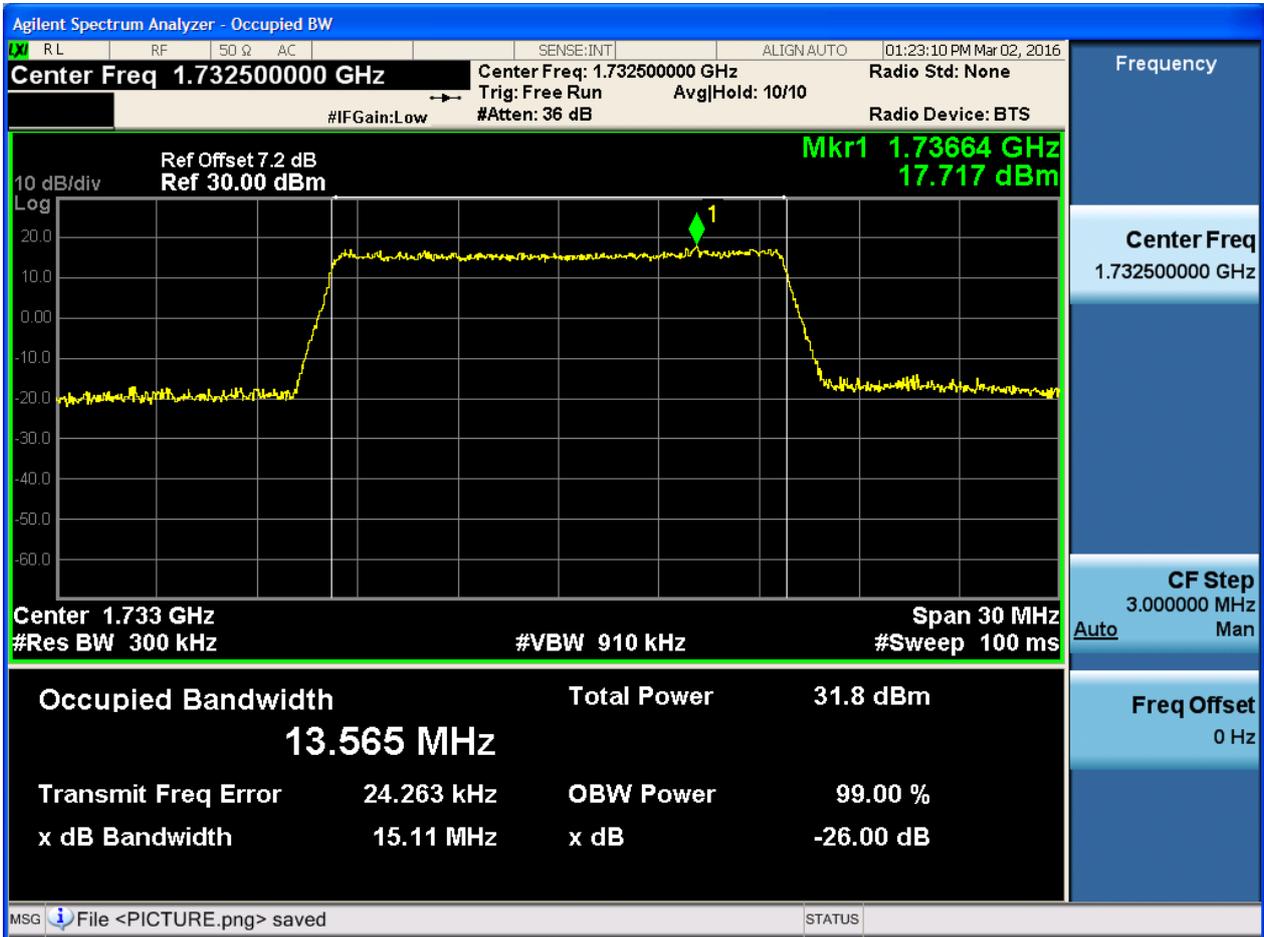
4.1.1.1.5.1.1 Test RB = RB75#0





4.1.1.1.5.2 Test Channel = MCH

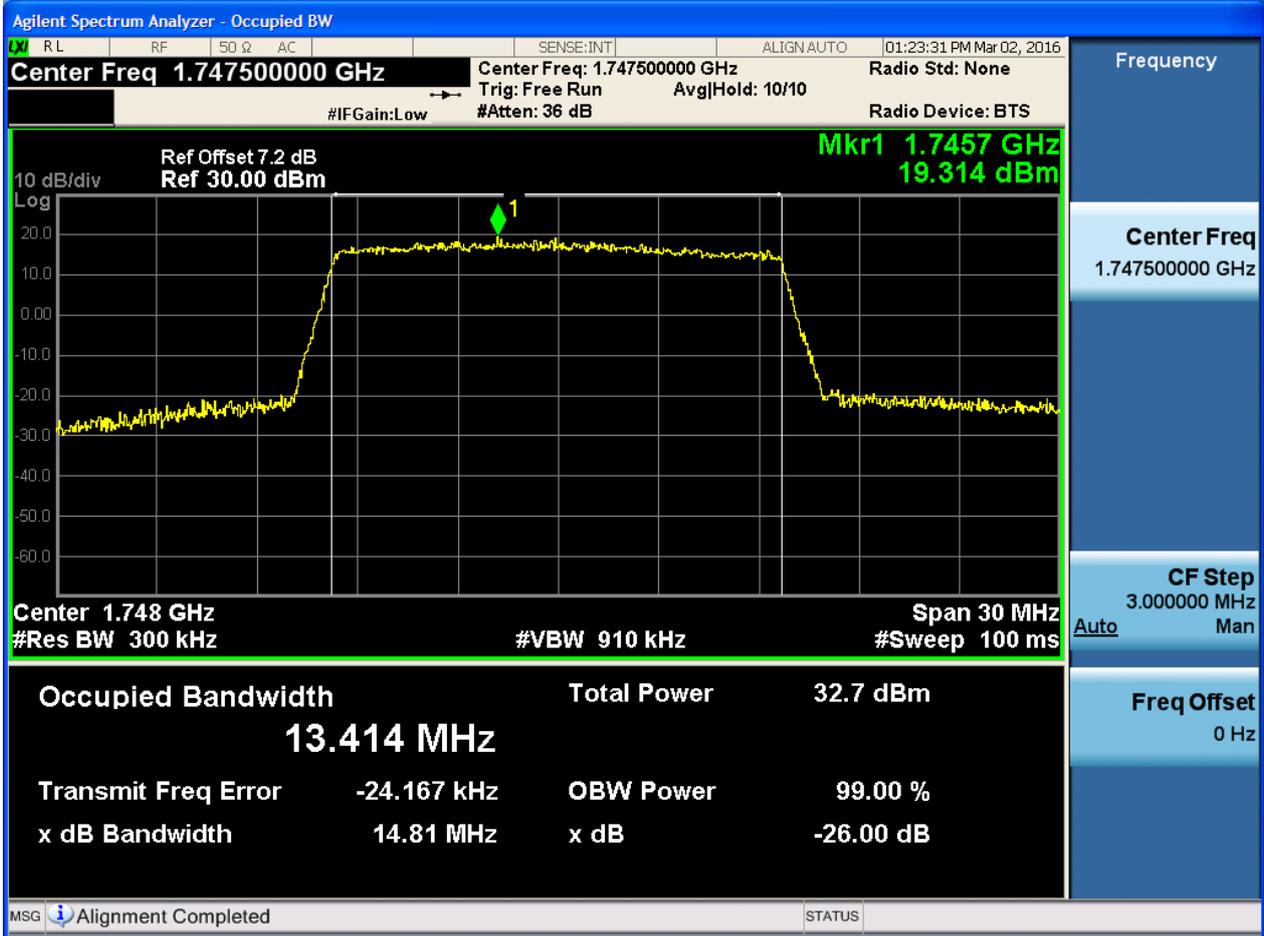
4.1.1.1.5.2.1 Test RB = RB75#0





4.1.1.1.5.3 Test Channel = HCH

4.1.1.1.5.3.1 Test RB = RB75#0





4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

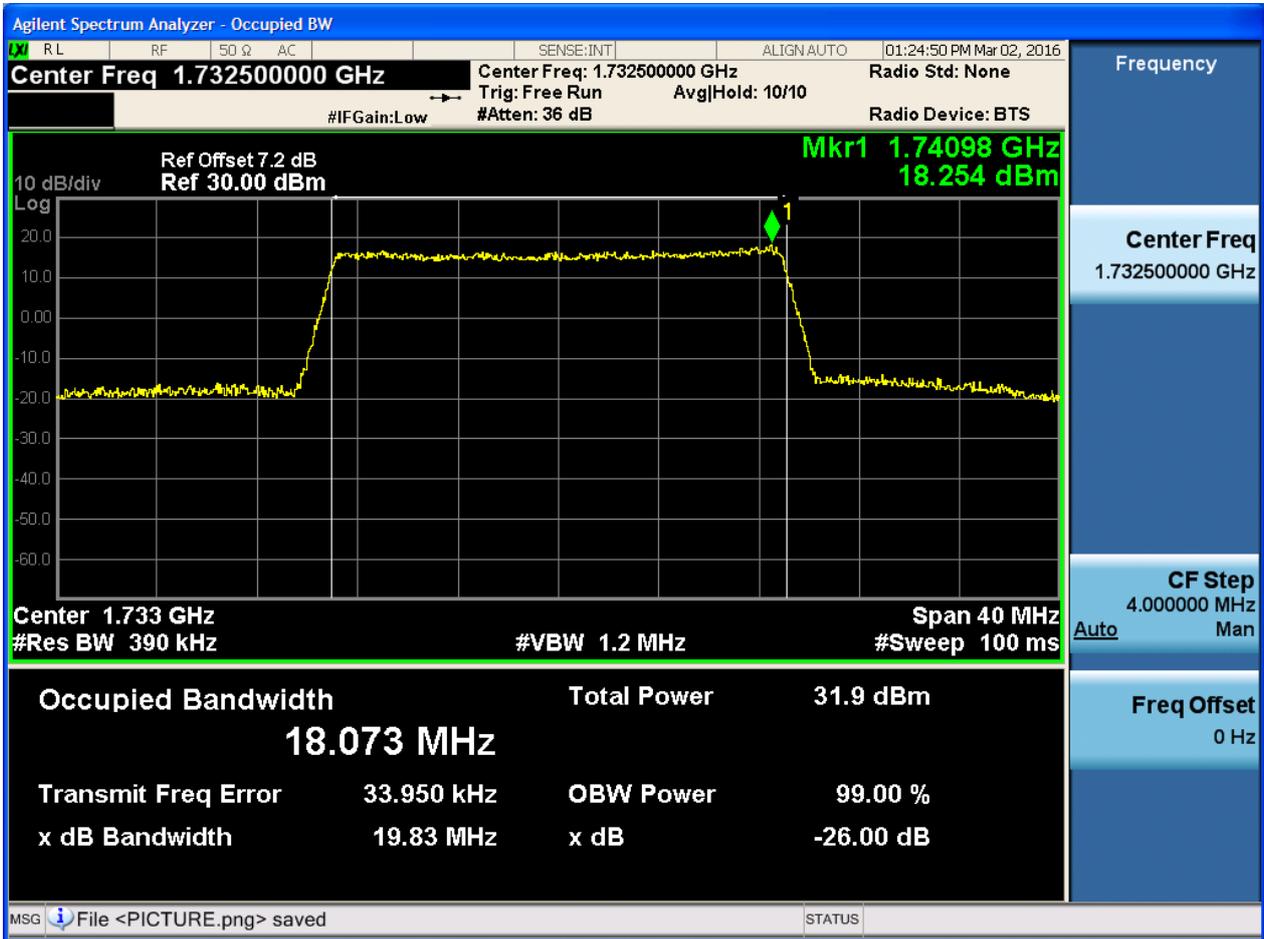
4.1.1.1.6.1.1 Test RB = RB100#0





4.1.1.1.6.2 Test Channel = MCH

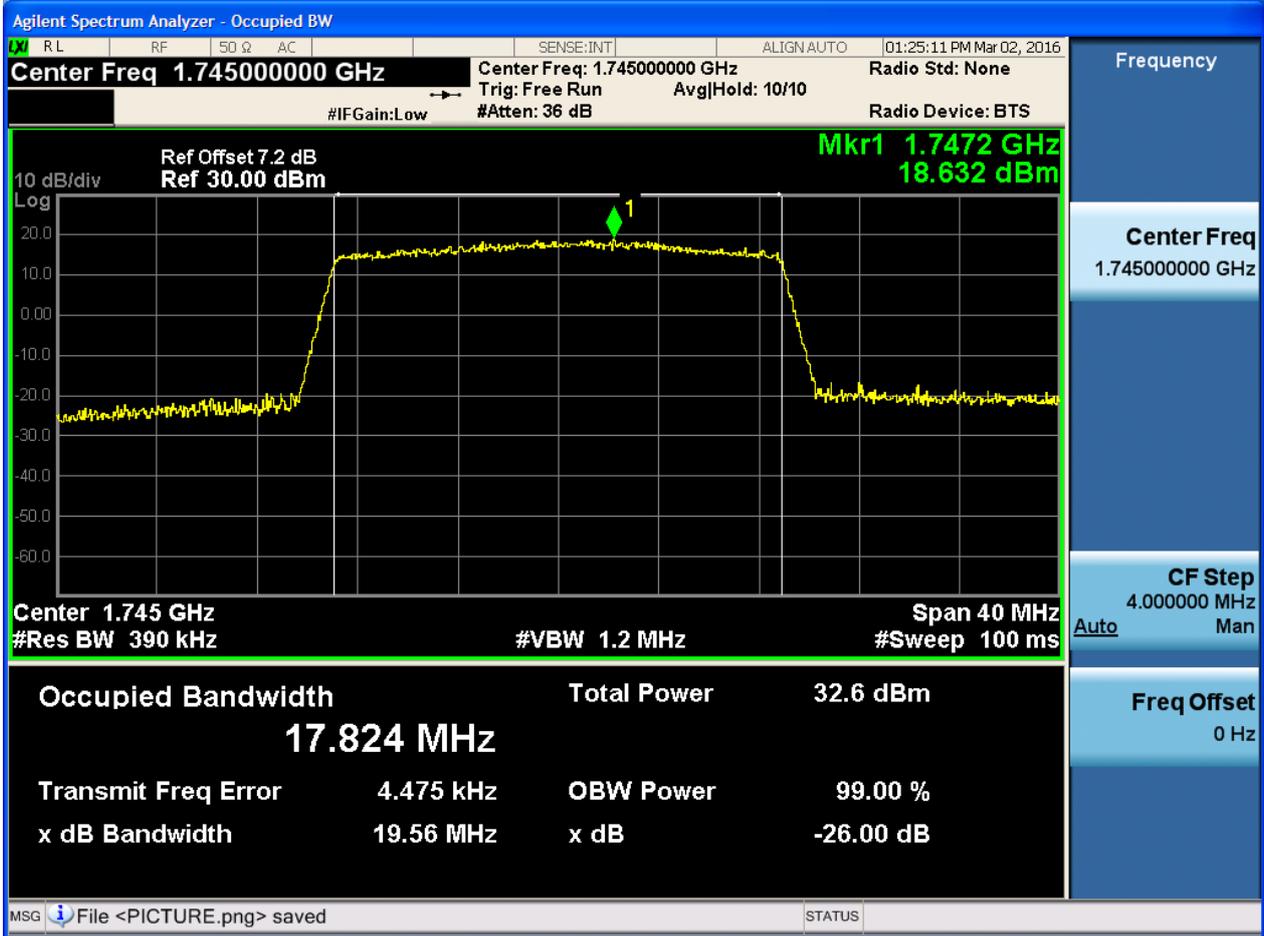
4.1.1.1.6.2.1 Test RB = RB100#0





4.1.1.1.6.3 Test Channel = HCH

4.1.1.1.6.3.1 Test RB = RB100#0



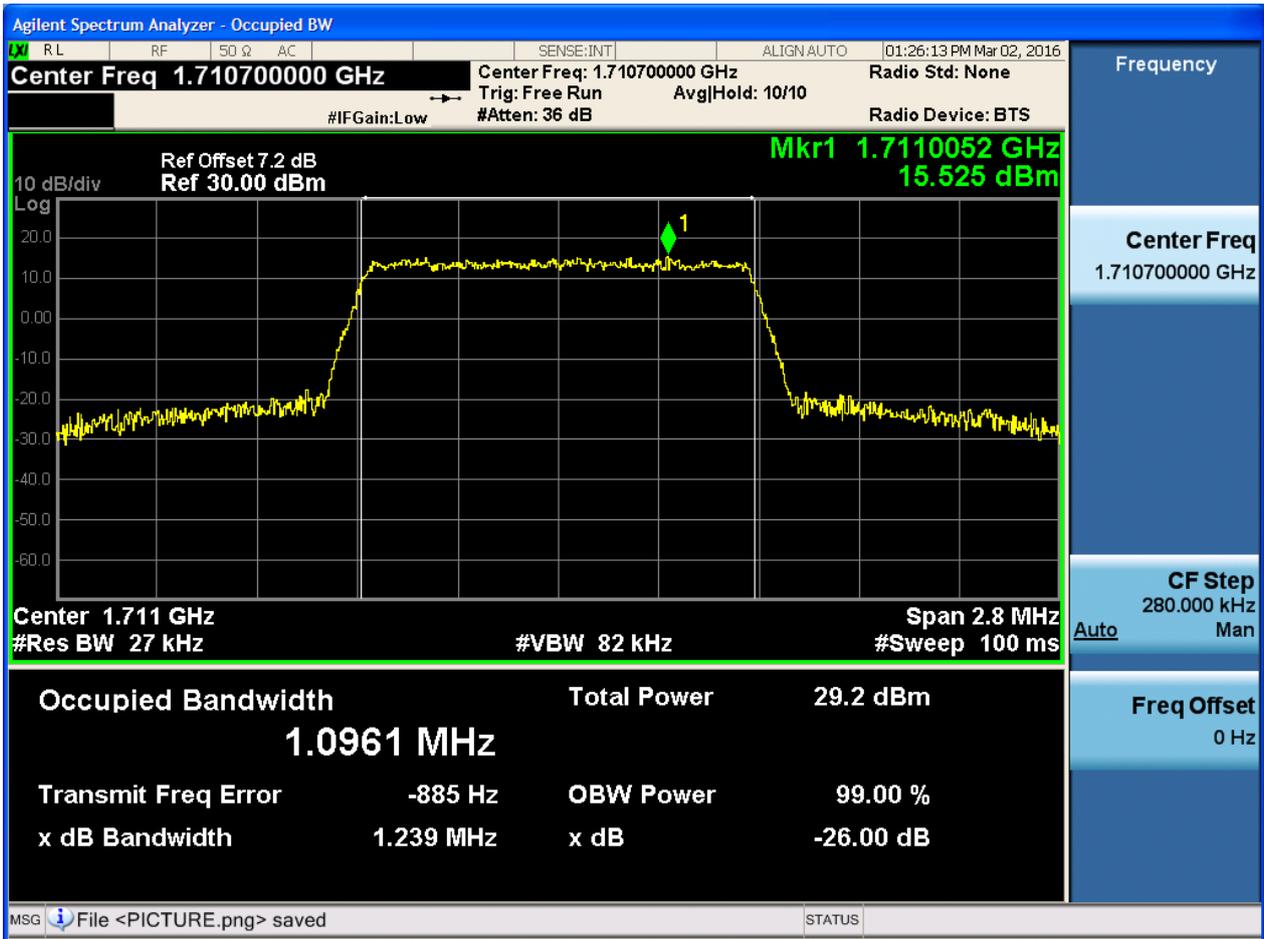


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

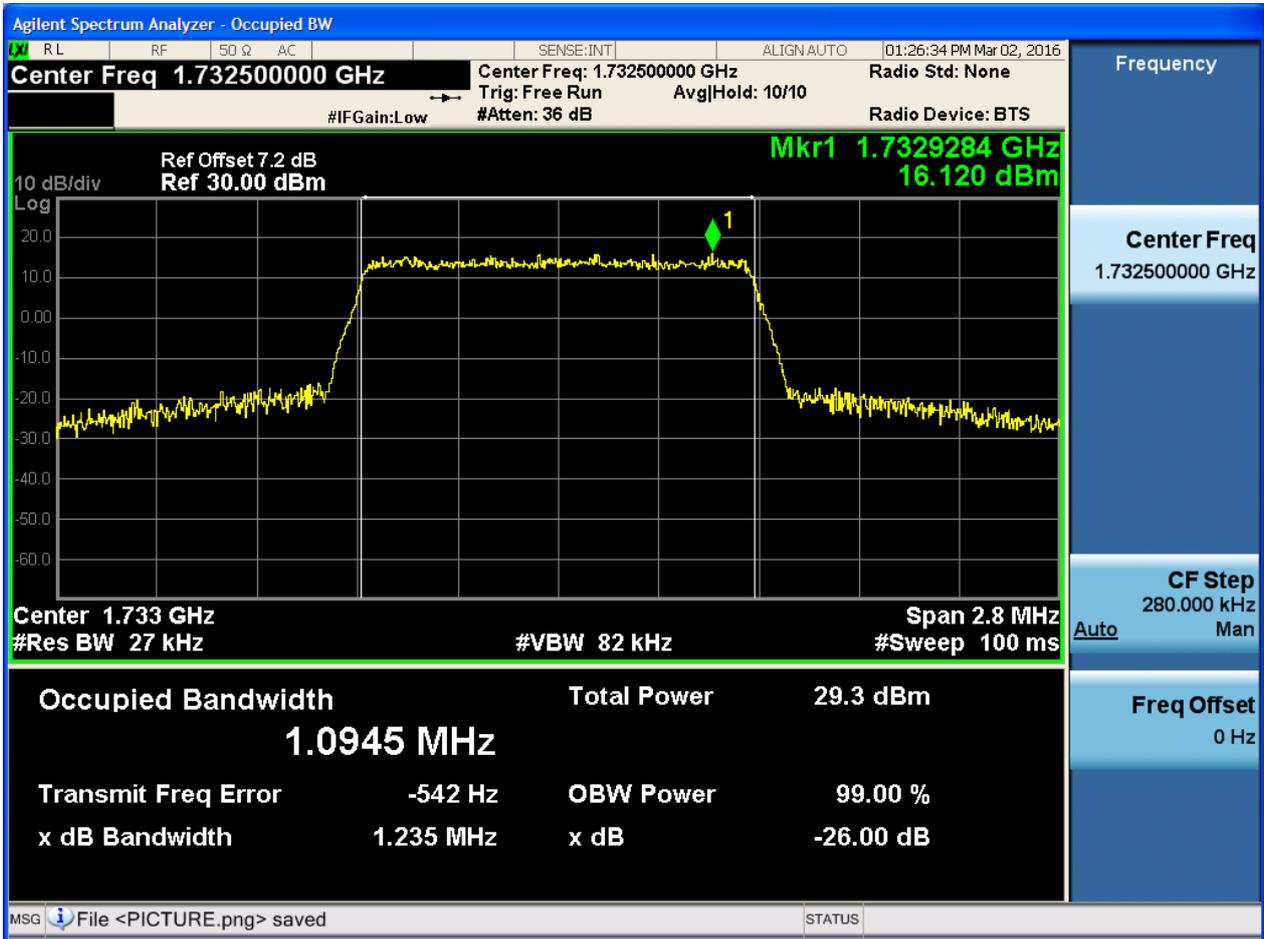
4.1.1.2.1.1.1 Test RB = RB6#0





4.1.1.2.1.2 Test Channel = MCH

4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

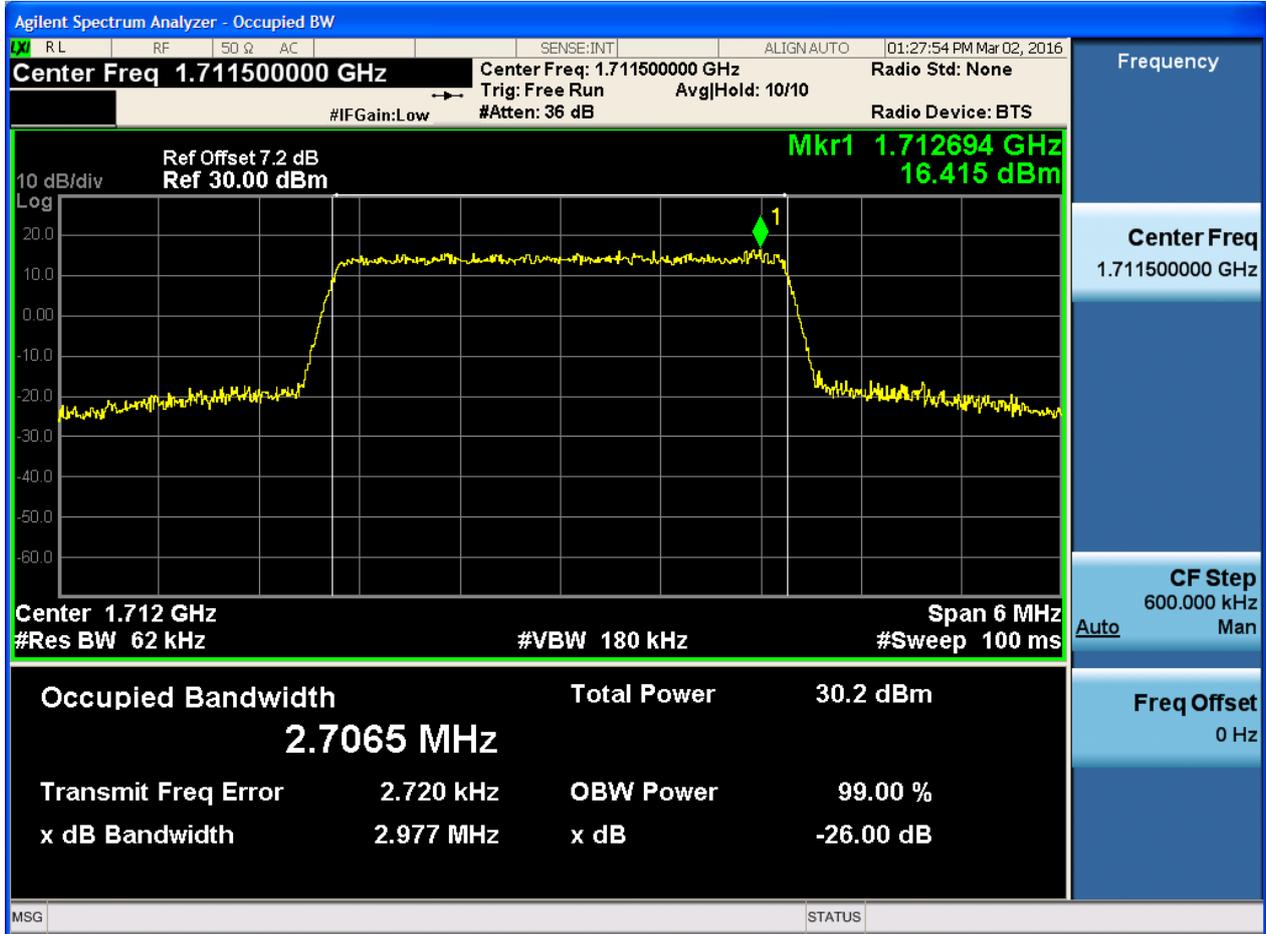




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

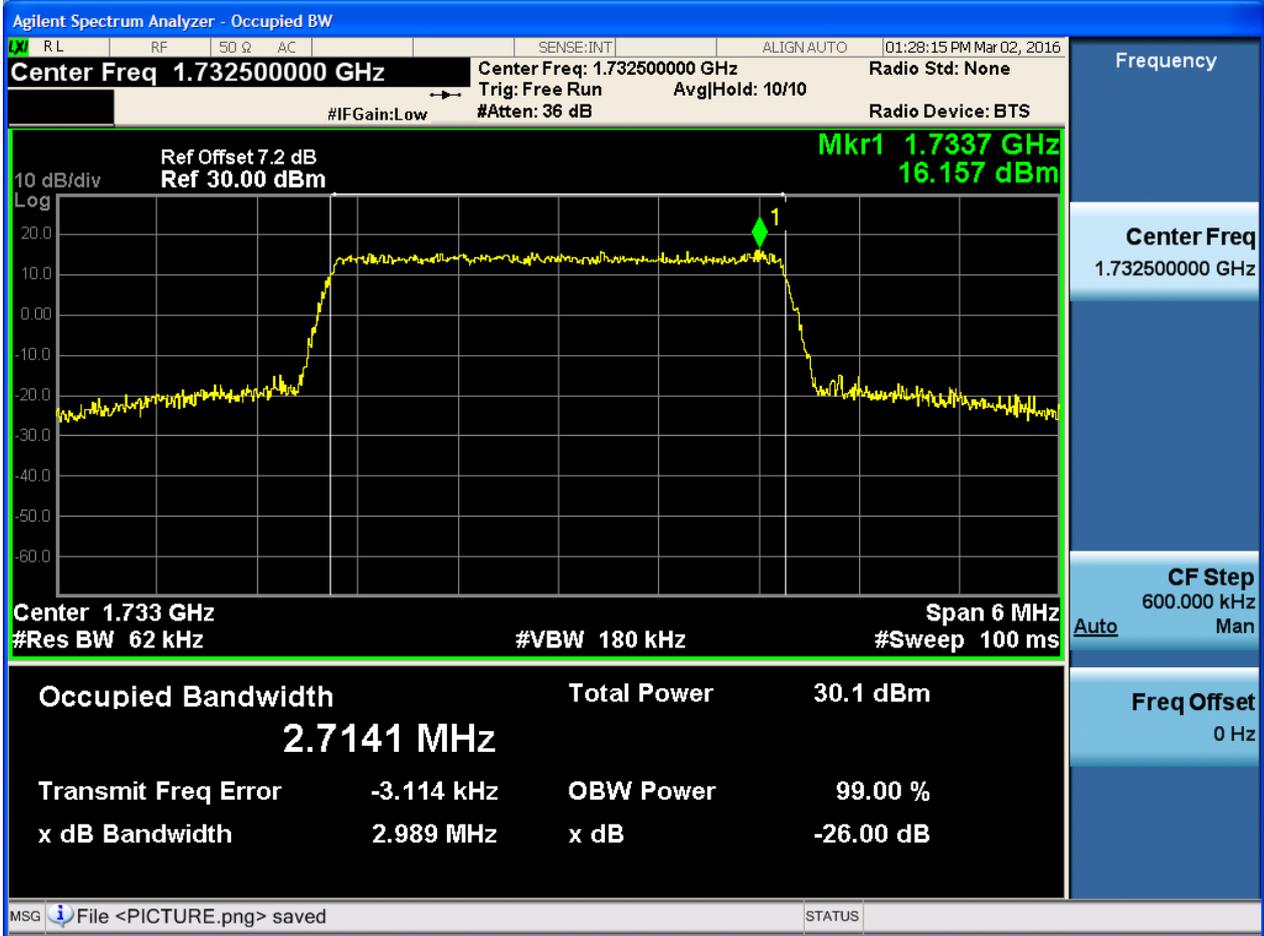
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2.2 Test Channel = MCH

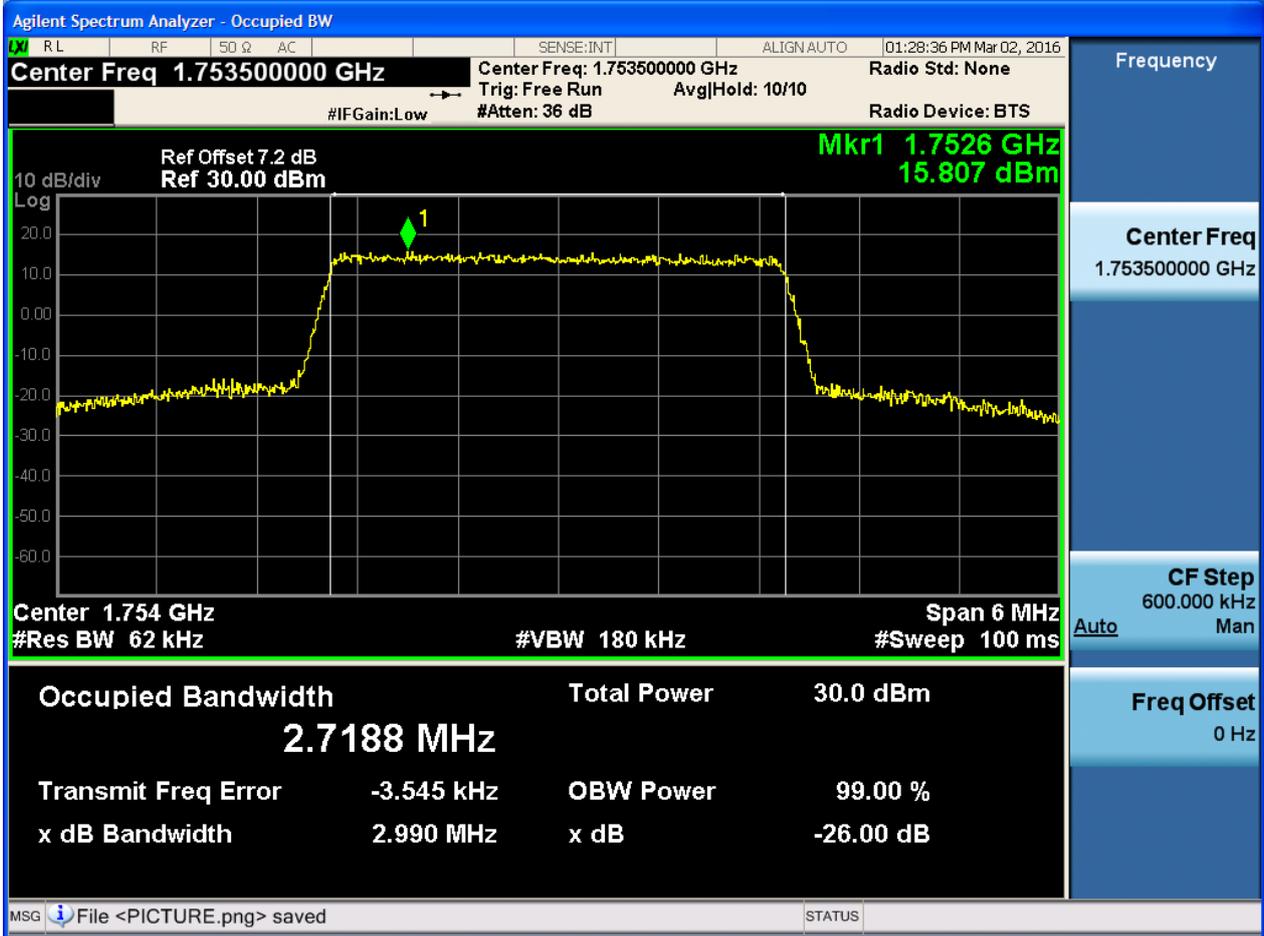
4.1.1.2.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

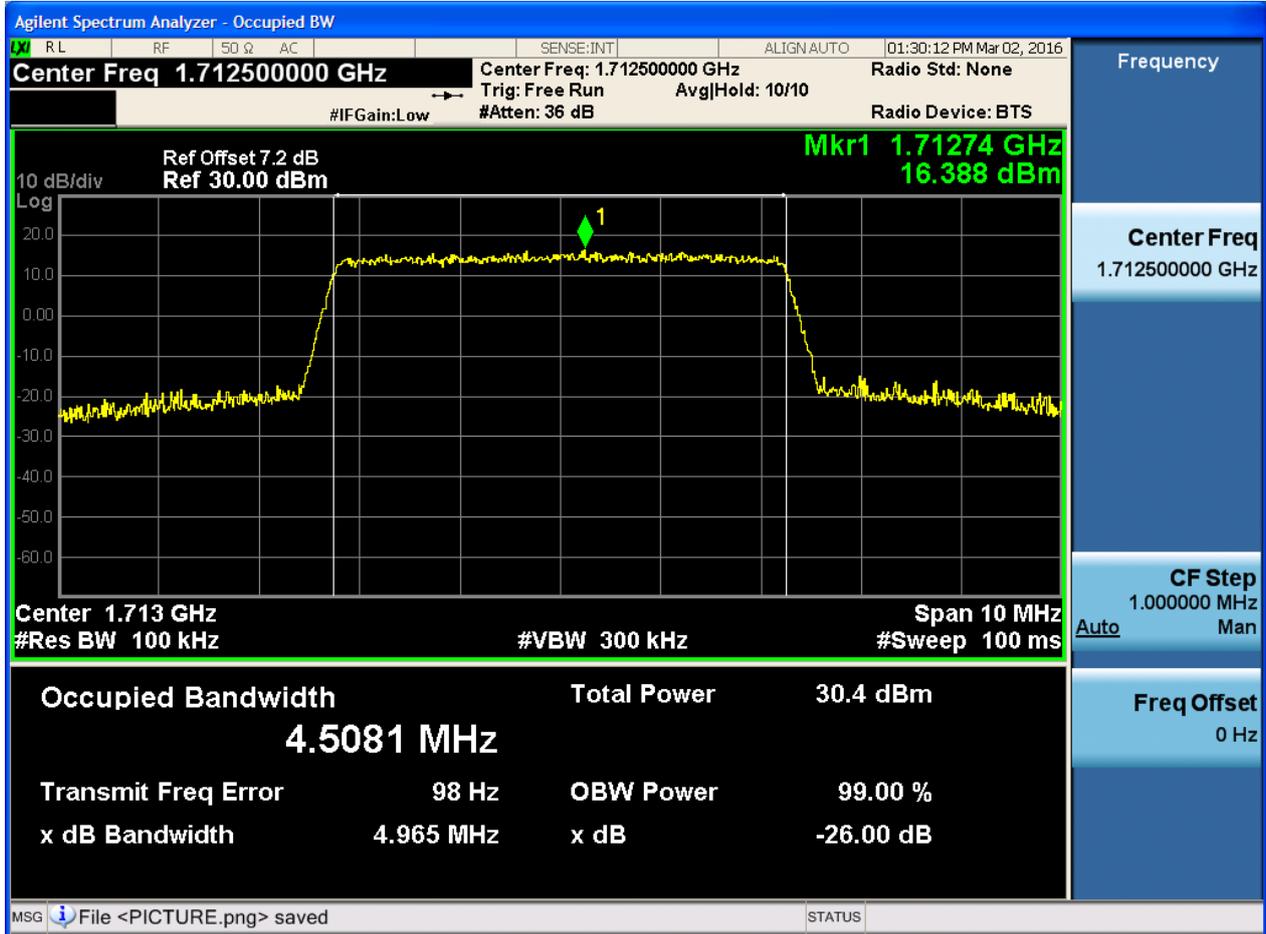




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

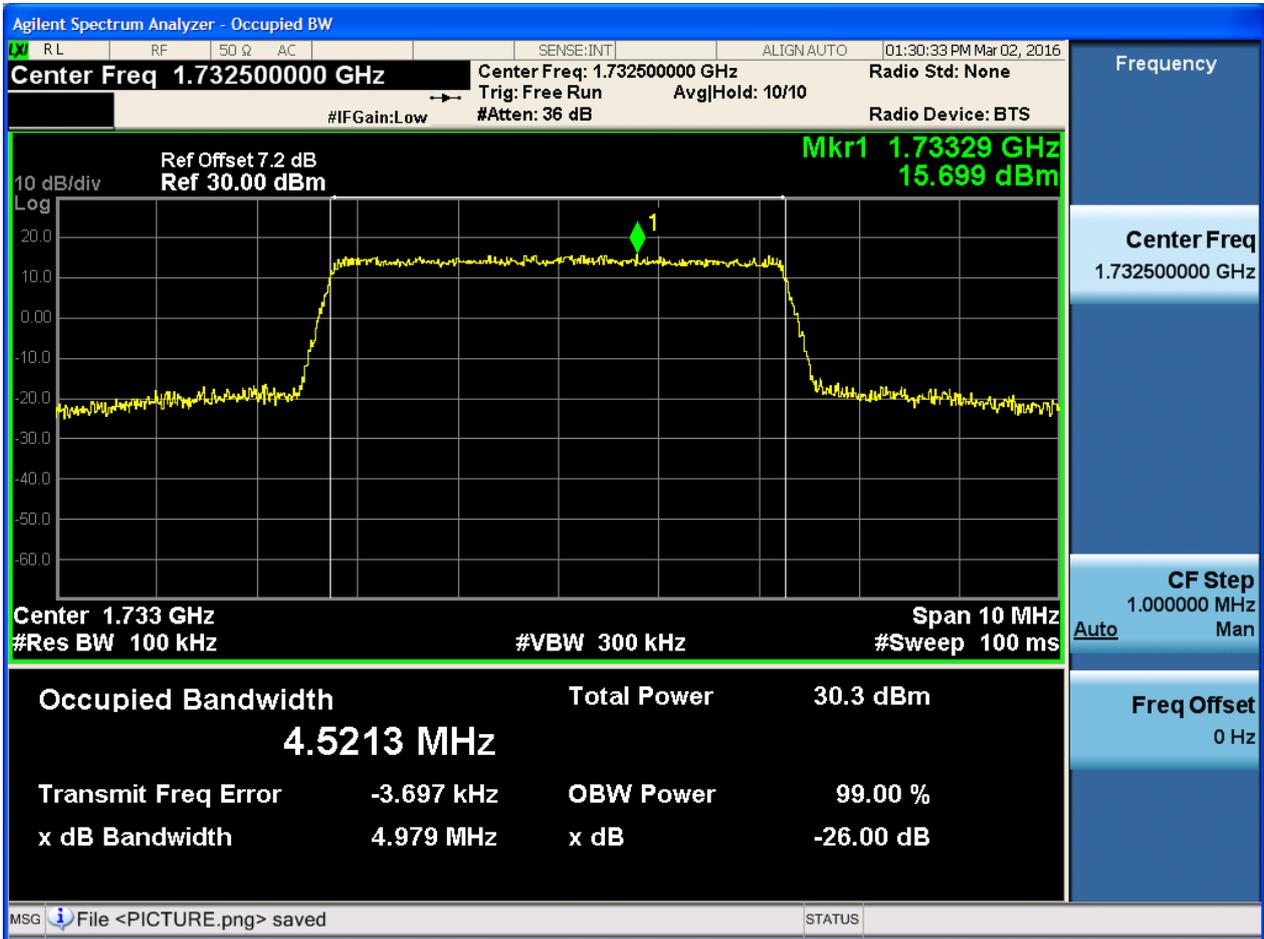
4.1.1.2.3.1.1 Test RB = RB25#0





4.1.1.2.3.2 Test Channel = MCH

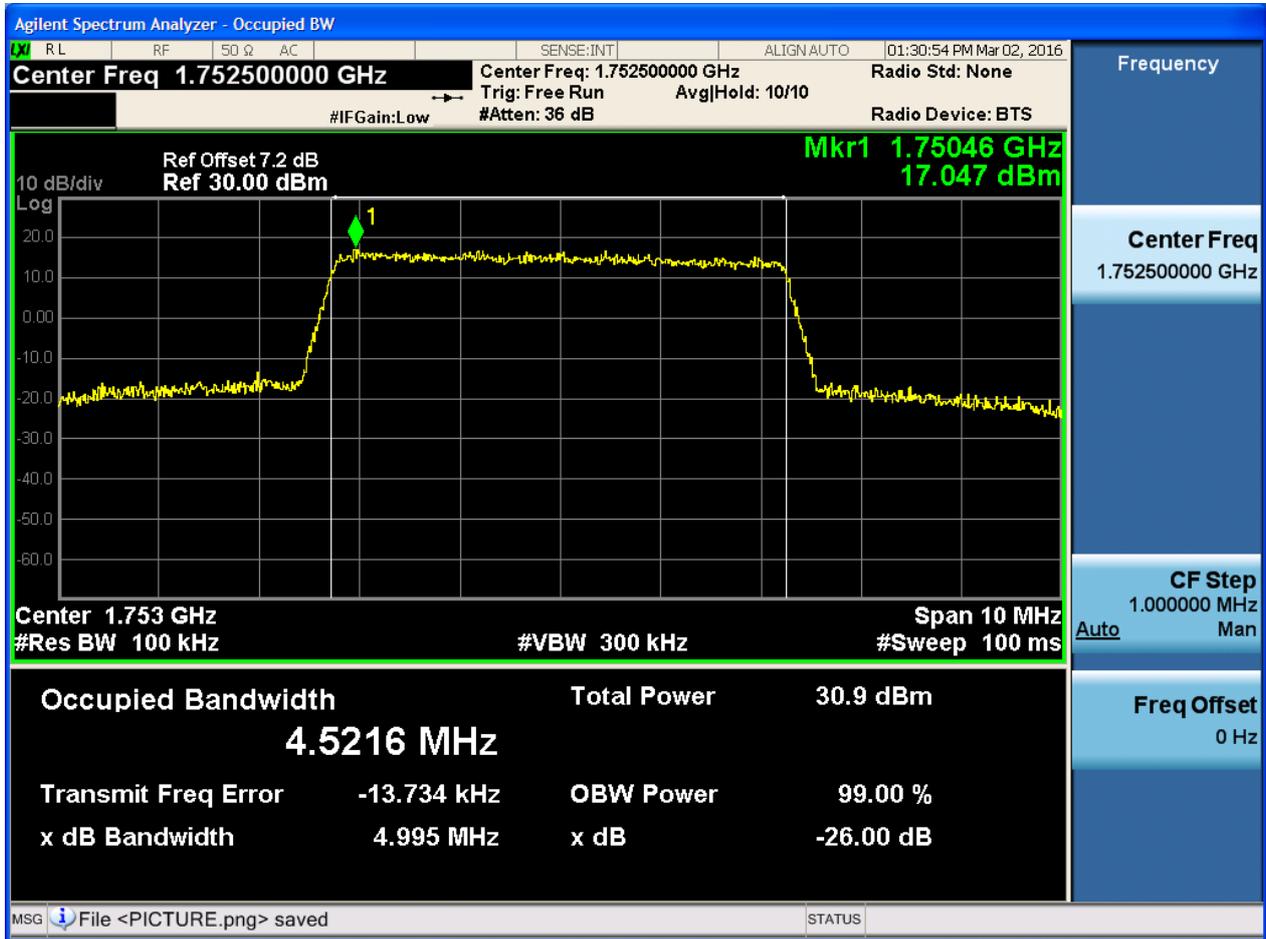
4.1.1.2.3.2.1 Test RB = RB25#0





4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0





4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

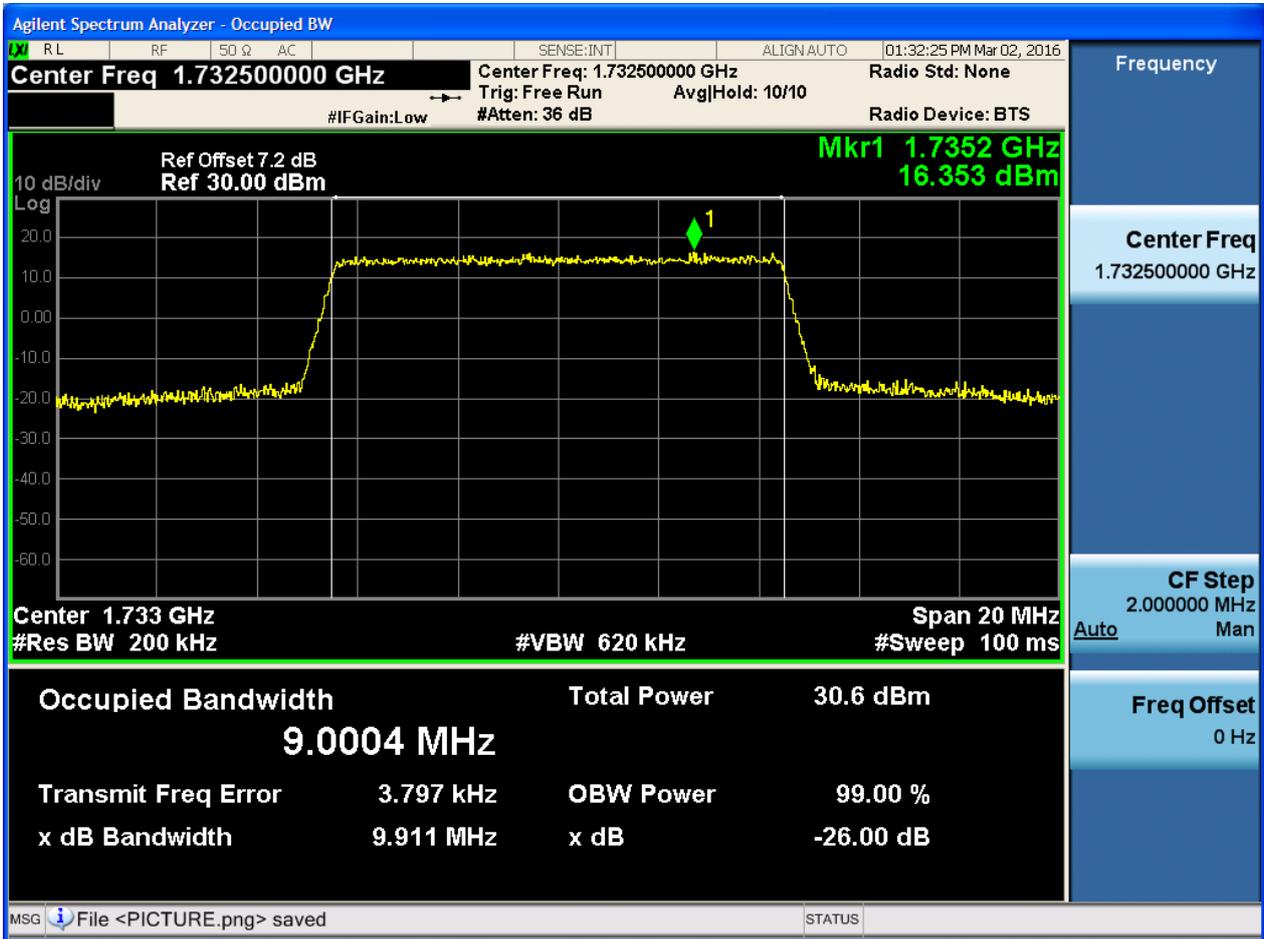
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

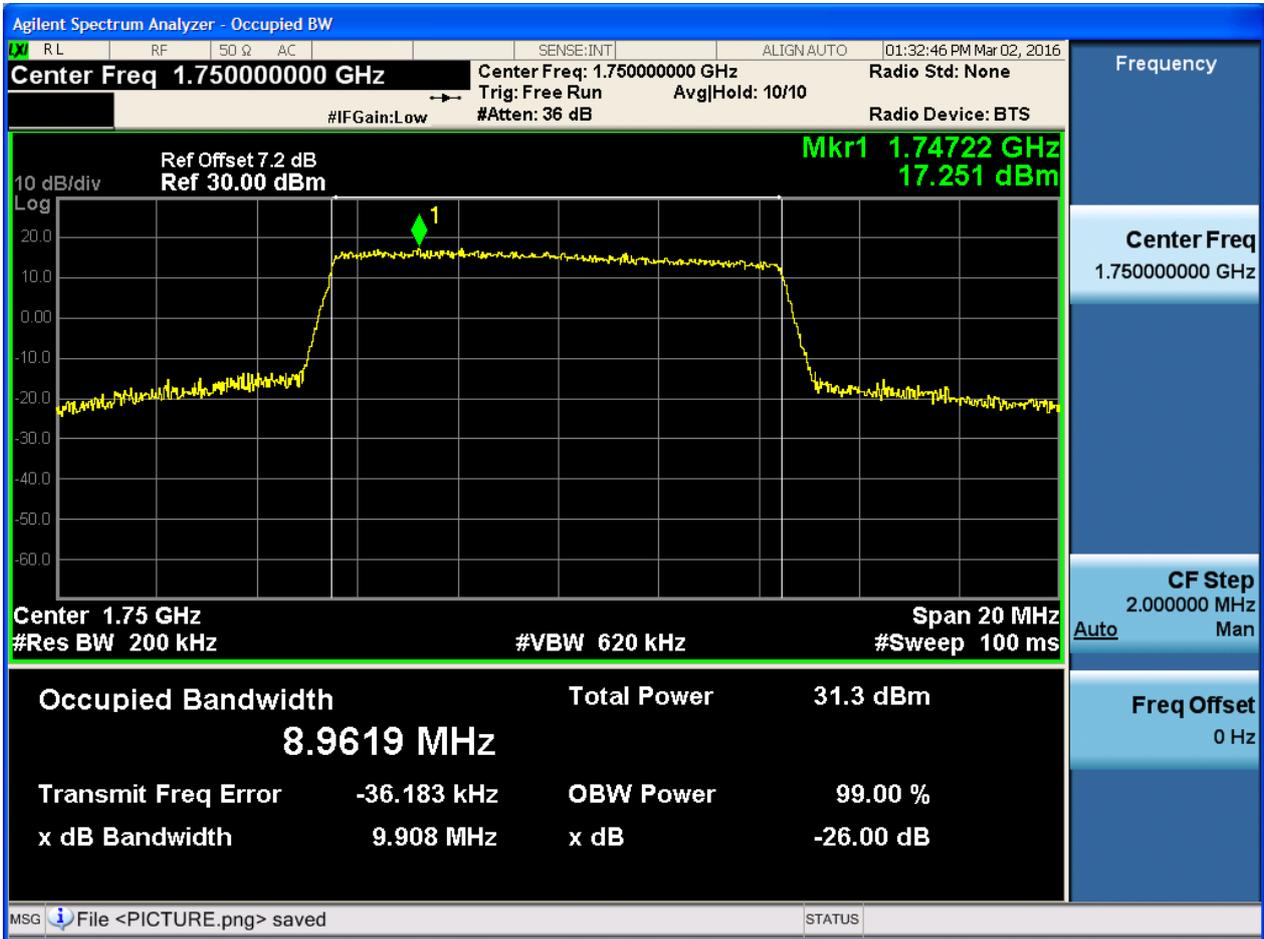
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0

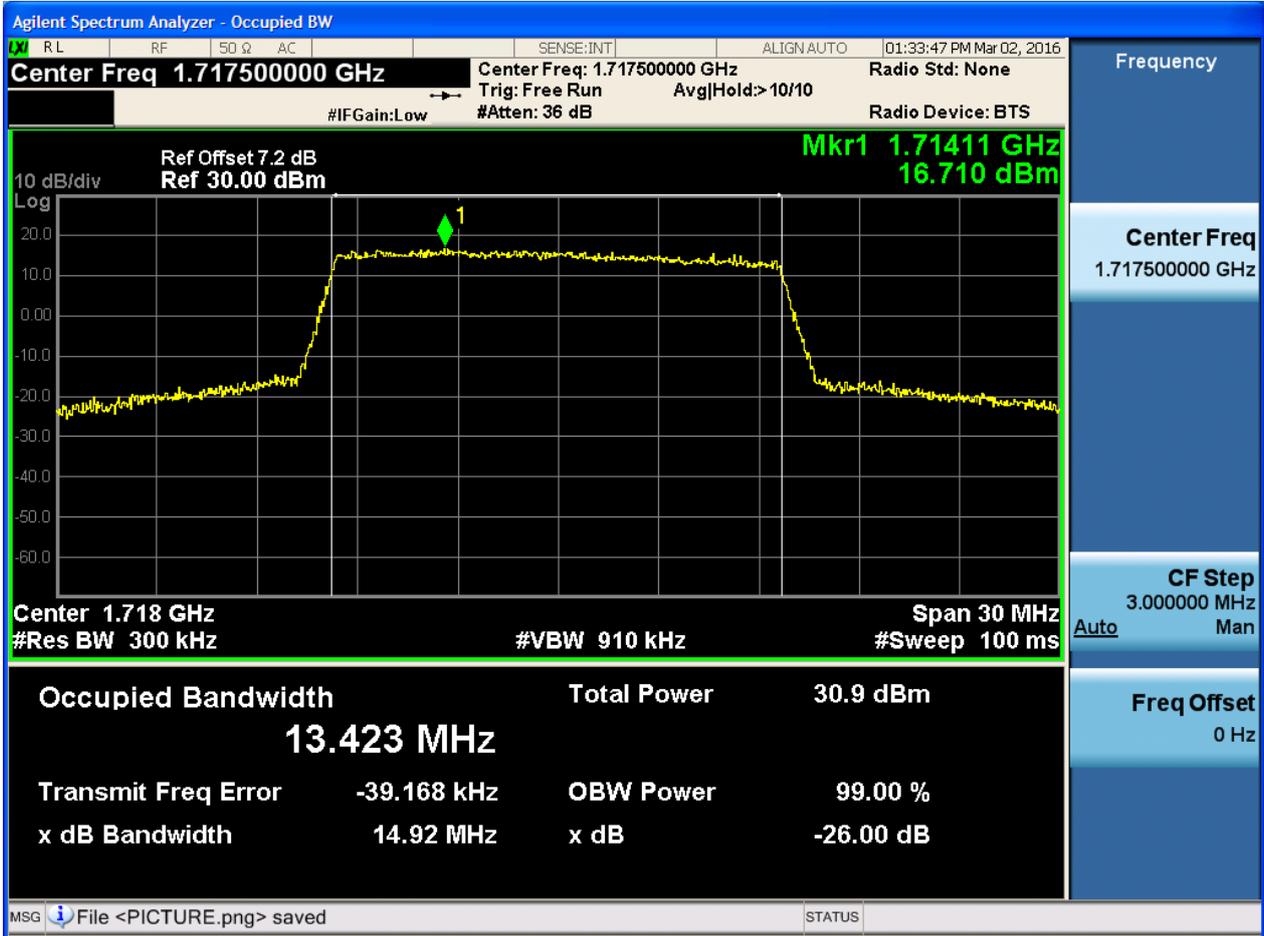




4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

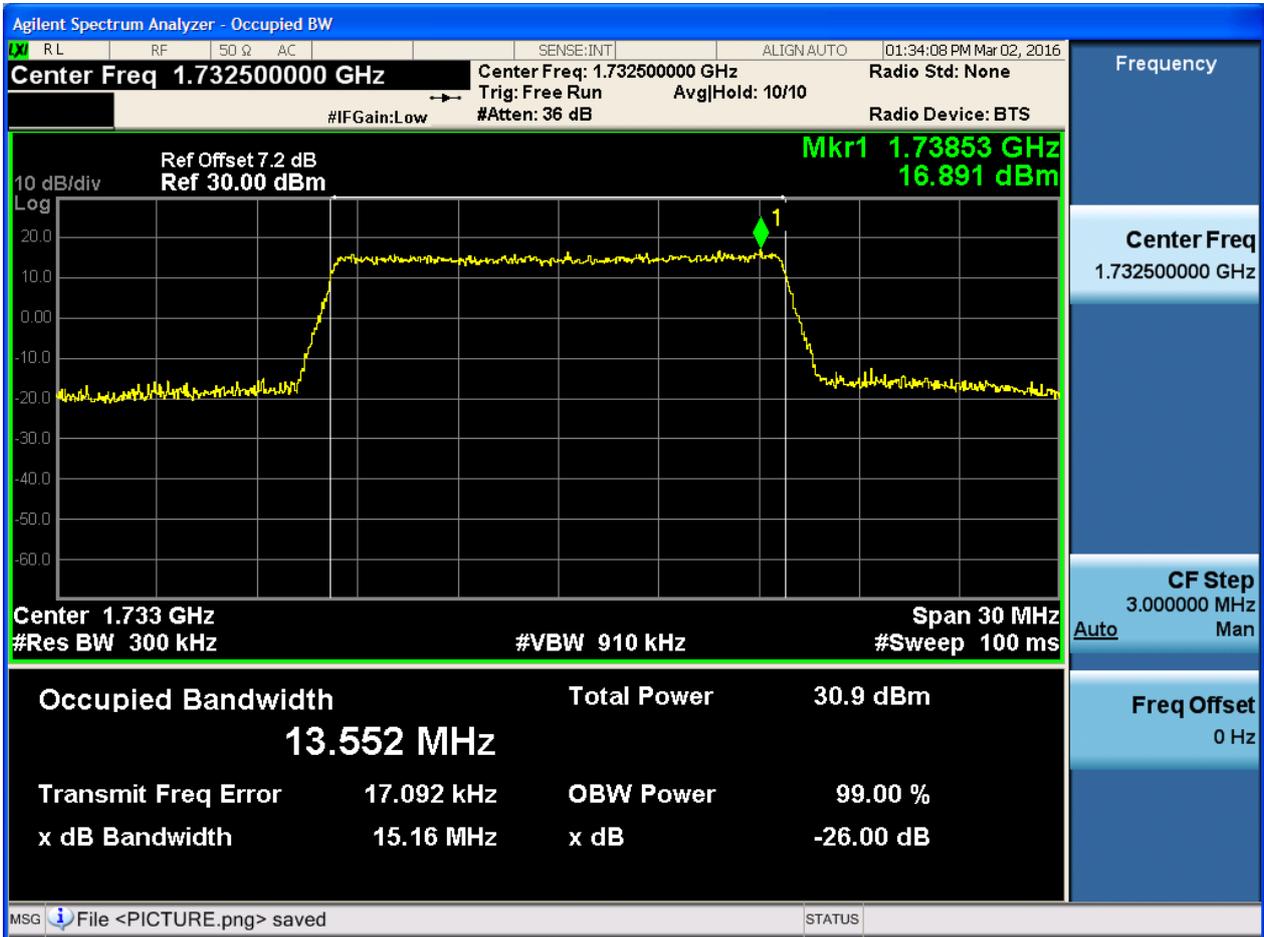
4.1.1.2.5.1.1 Test RB = RB75#0





### 4.1.1.2.5.2 Test Channel = MCH

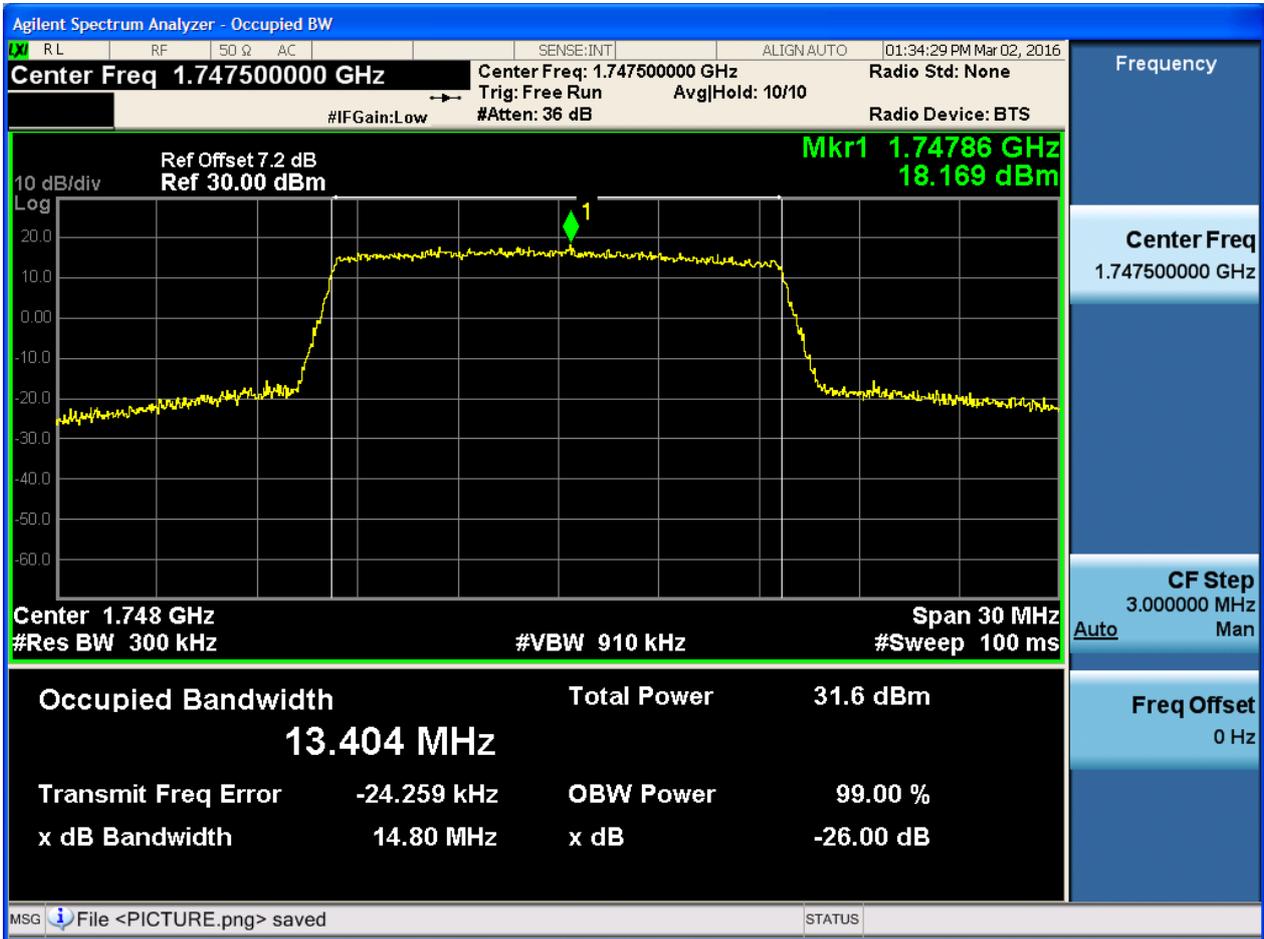
#### 4.1.1.2.5.2.1 Test RB = RB75#0





### 4.1.1.2.5.3 Test Channel = HCH

#### 4.1.1.2.5.3.1 Test RB = RB75#0





4.1.1.2.6 Test Bandwidth = 20

4.1.1.2.6.1 Test Channel = LCH

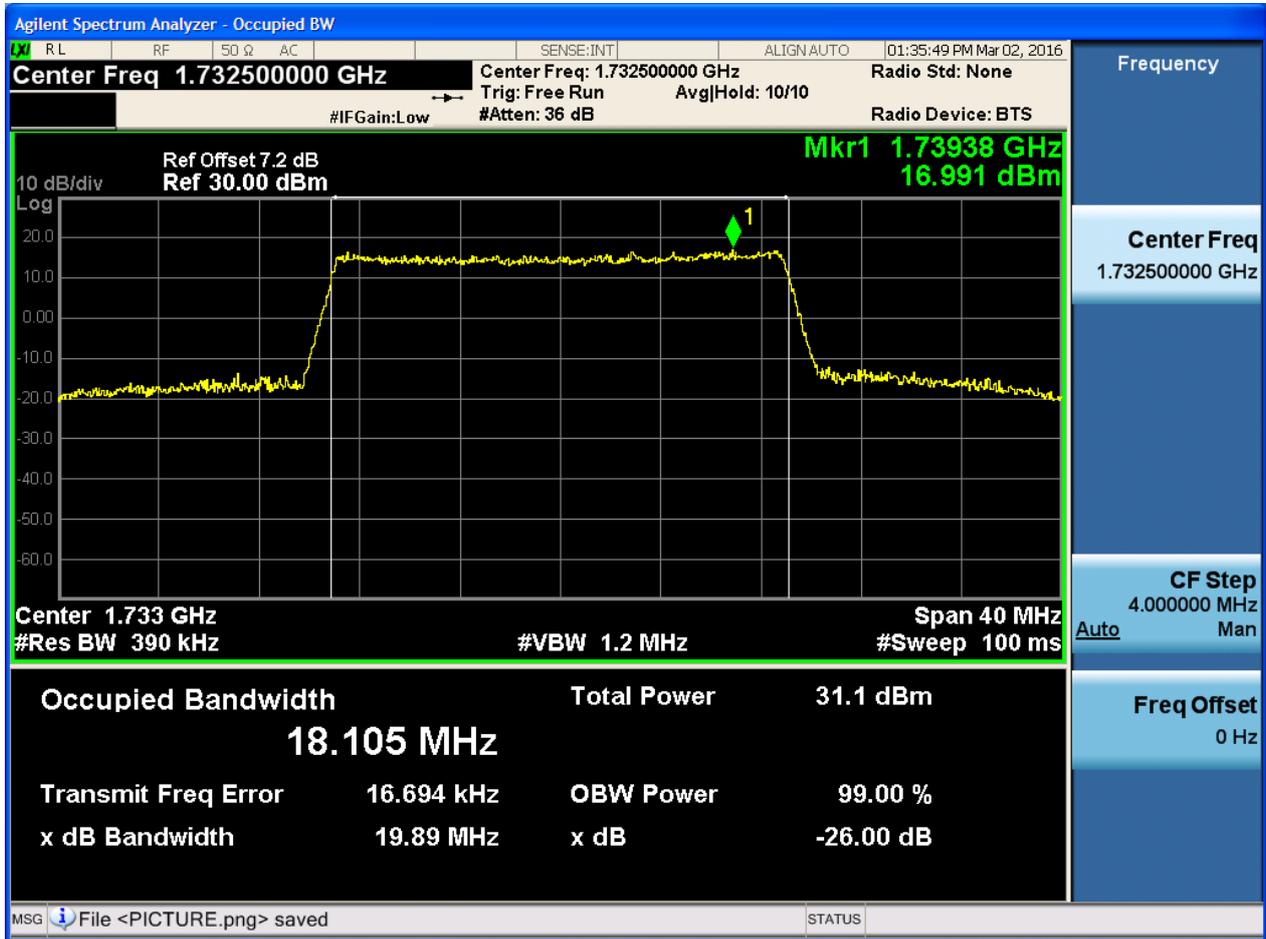
4.1.1.2.6.1.1 Test RB = RB100#0





4.1.1.2.6.2 Test Channel = MCH

4.1.1.2.6.2.1 Test RB = RB100#0





4.1.1.2.6.3 Test Channel = HCH

4.1.1.2.6.3.1 Test RB = RB100#0





## 5Appendix\_E: Band Edges Compliance

### Part I - Test Plots

#### 5.1 For LTE

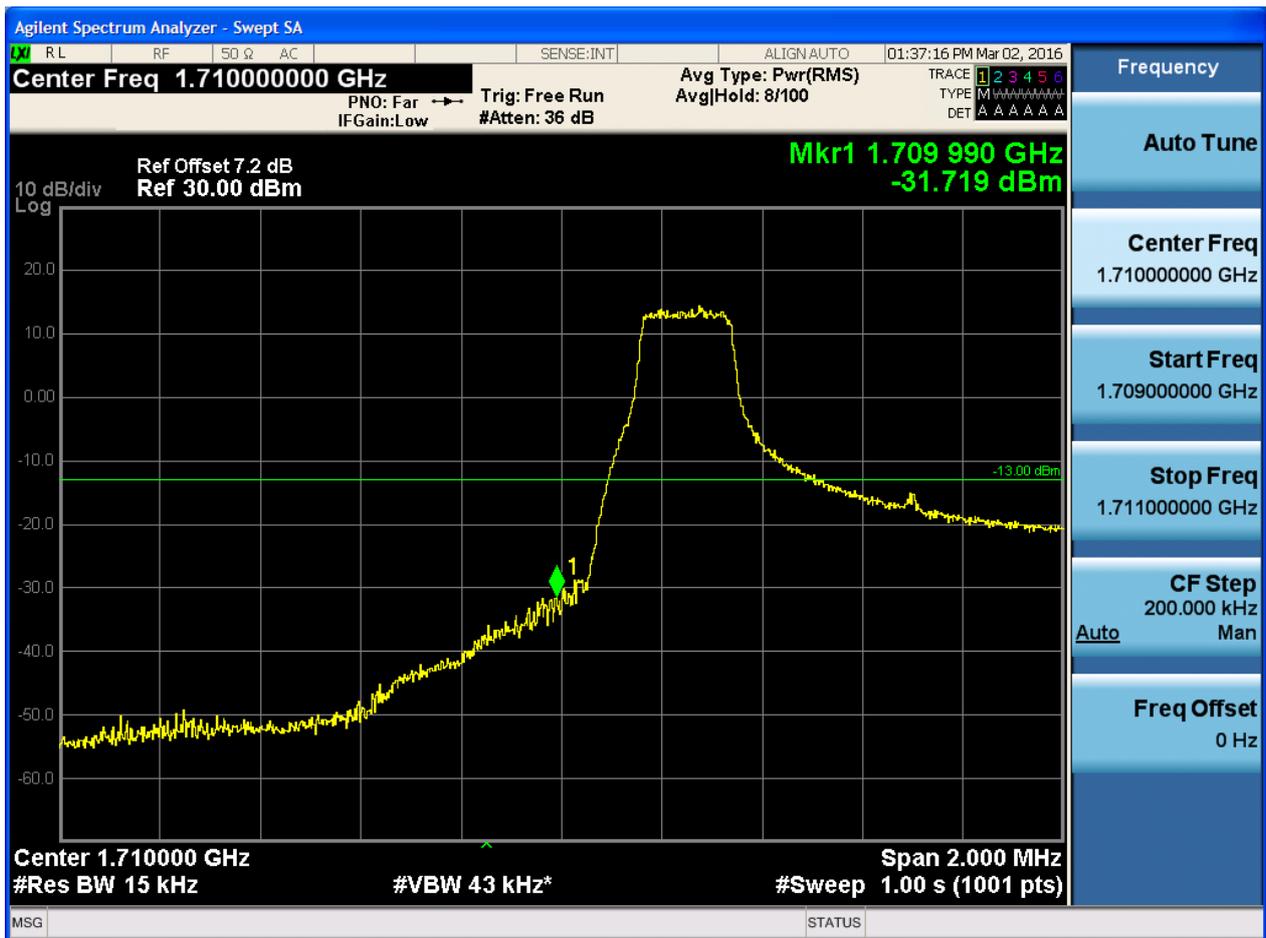
##### 5.1.1 Test Band = BAND4

##### 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



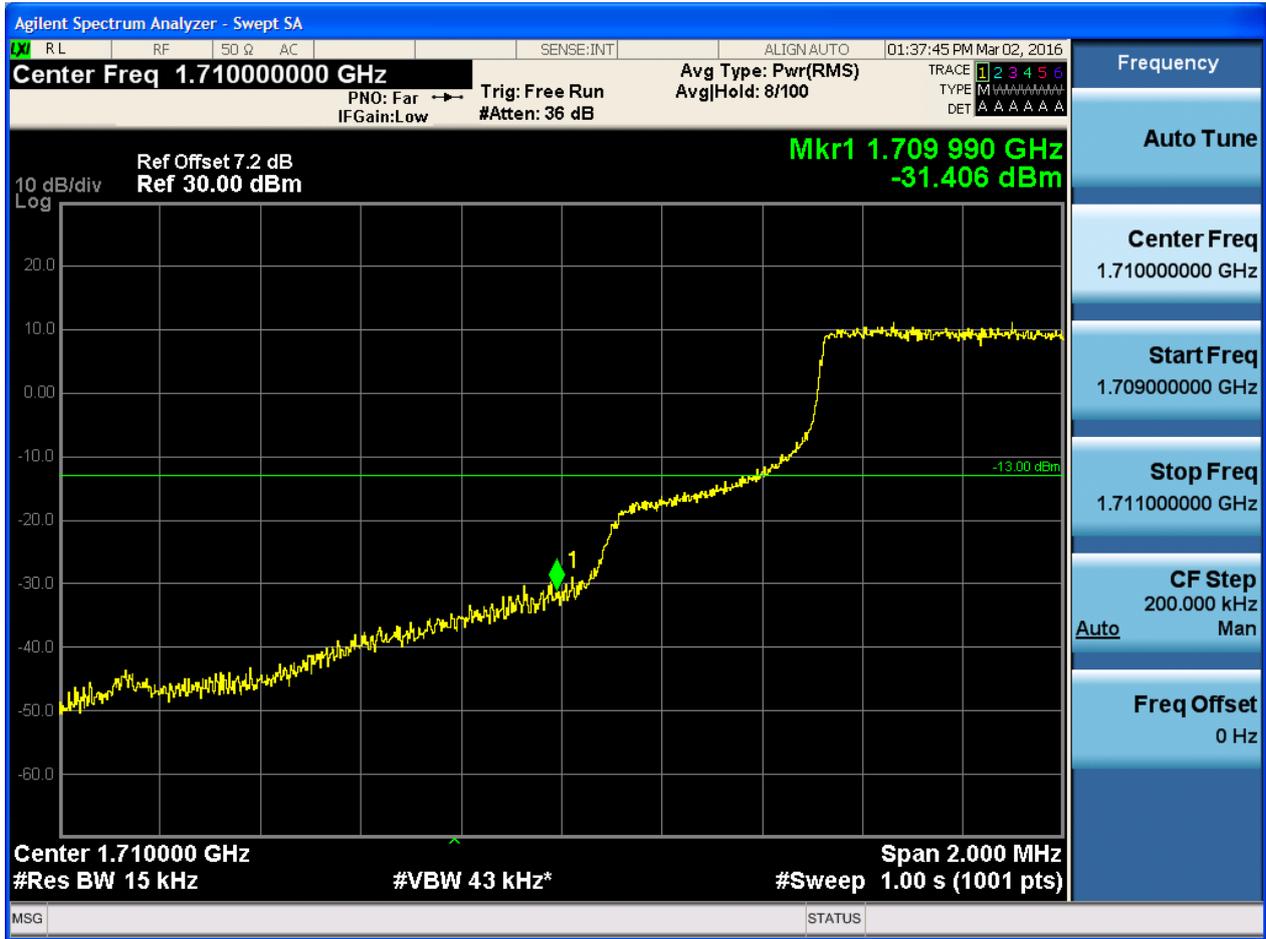


5.1.1.1.1.2 Test RB = RB1#5



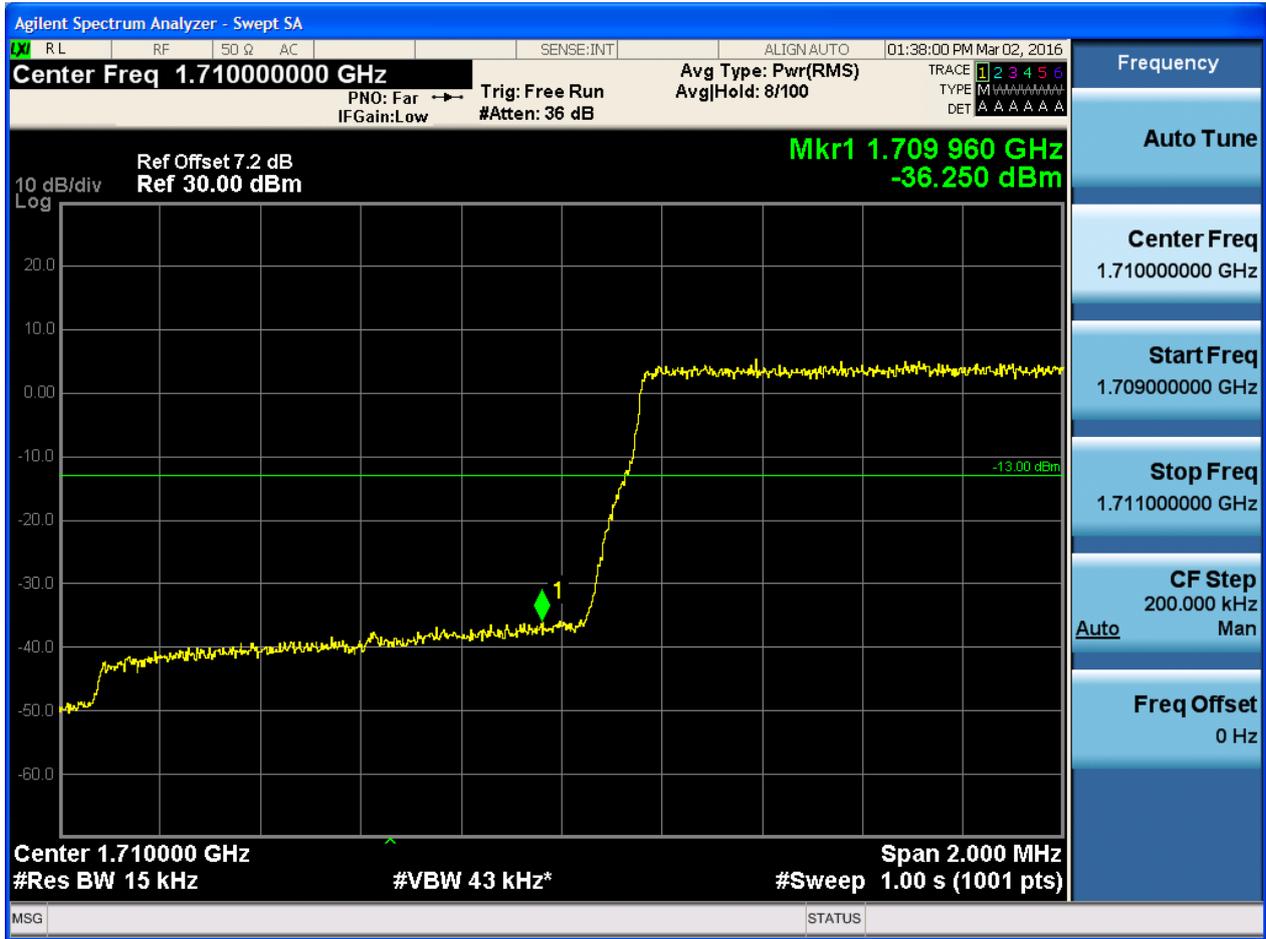


5.1.1.1.1.3 Test RB = RB3#2





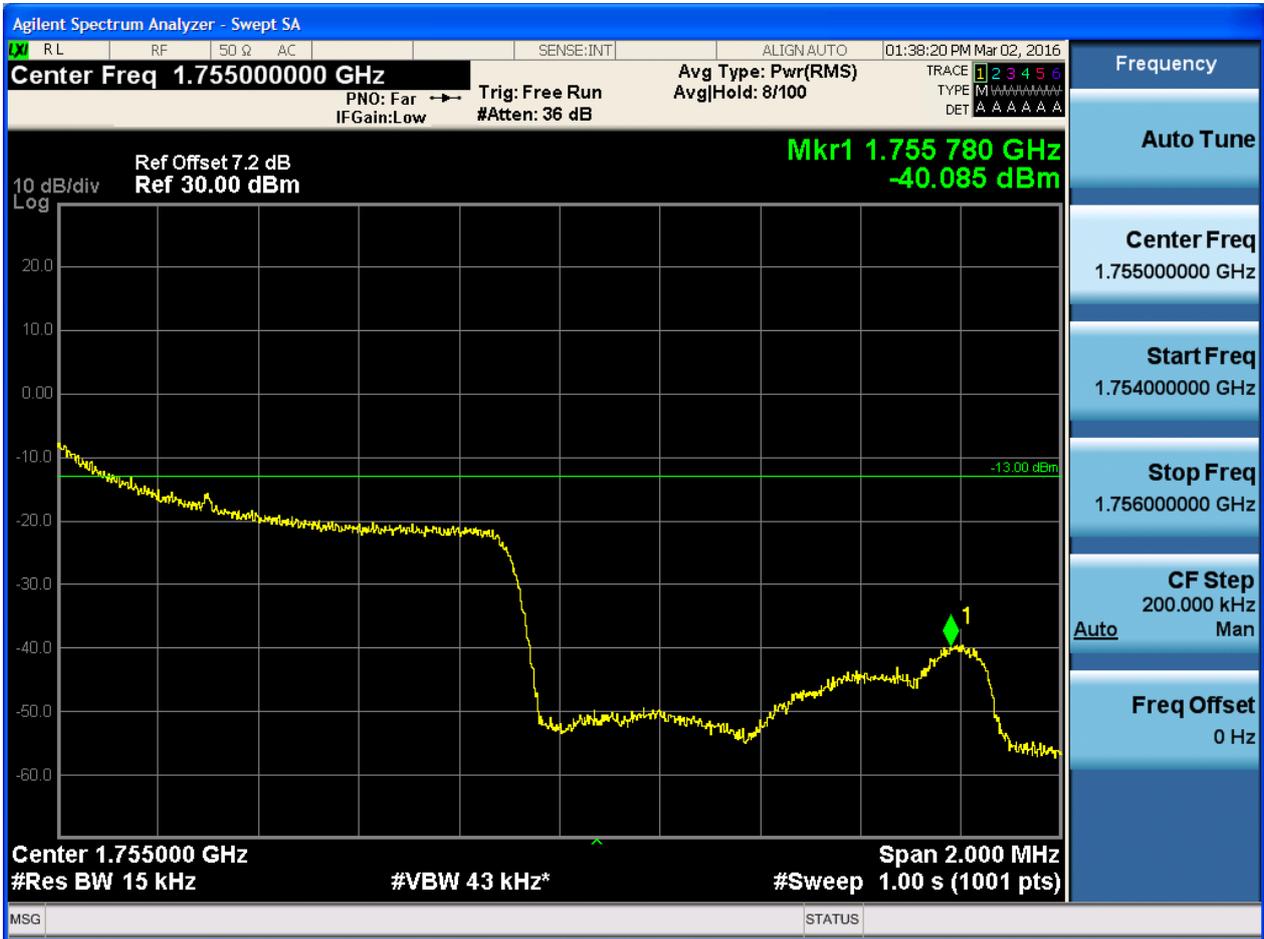
5.1.1.1.1.4 Test RB = RB6#0





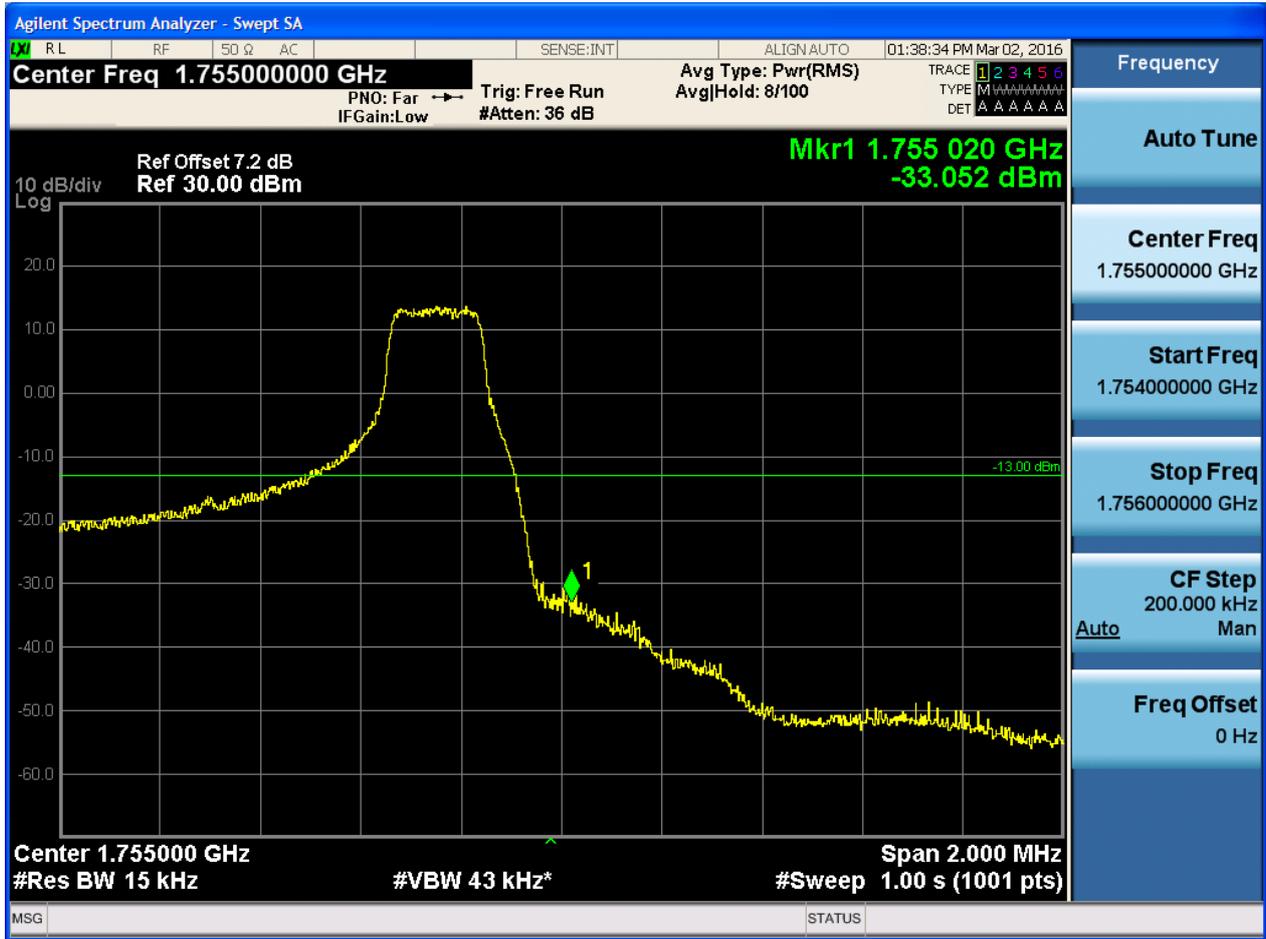
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#5





5.1.1.1.1.2.3 Test RB = RB3#2





5.1.1.1.2.4 Test RB = RB6#0

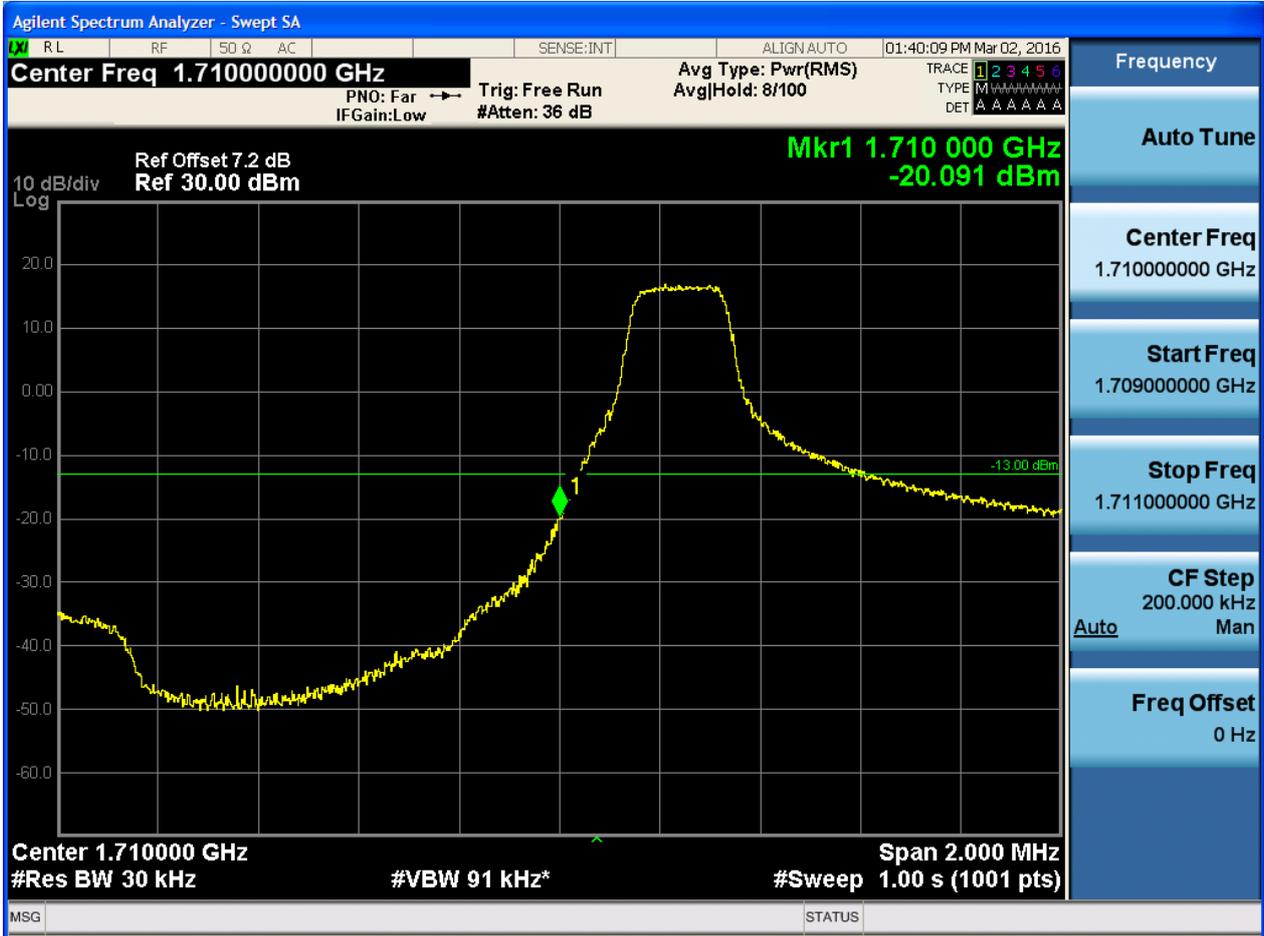




5.1.1.1.2 Test Bandwidth = 3

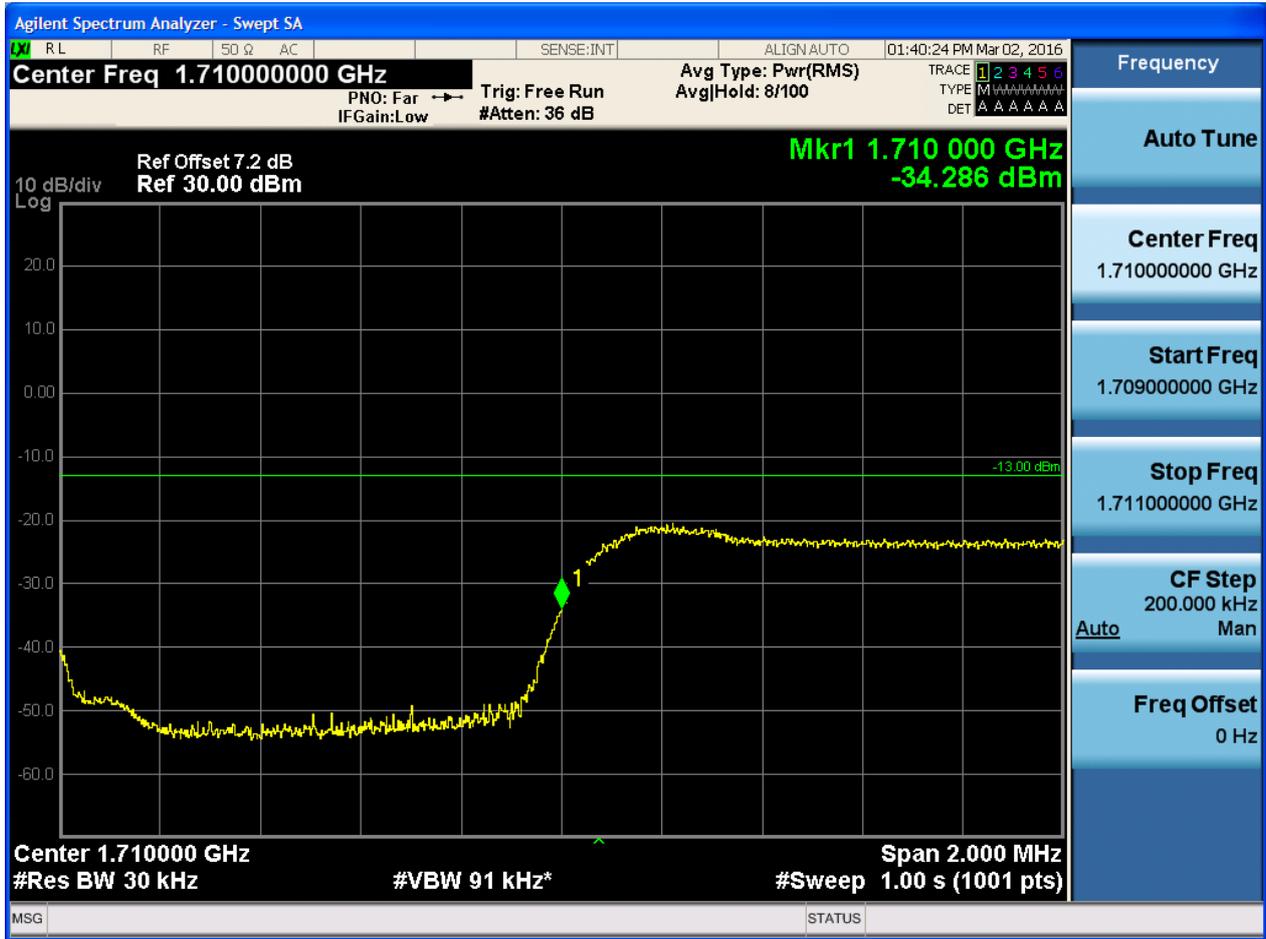
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



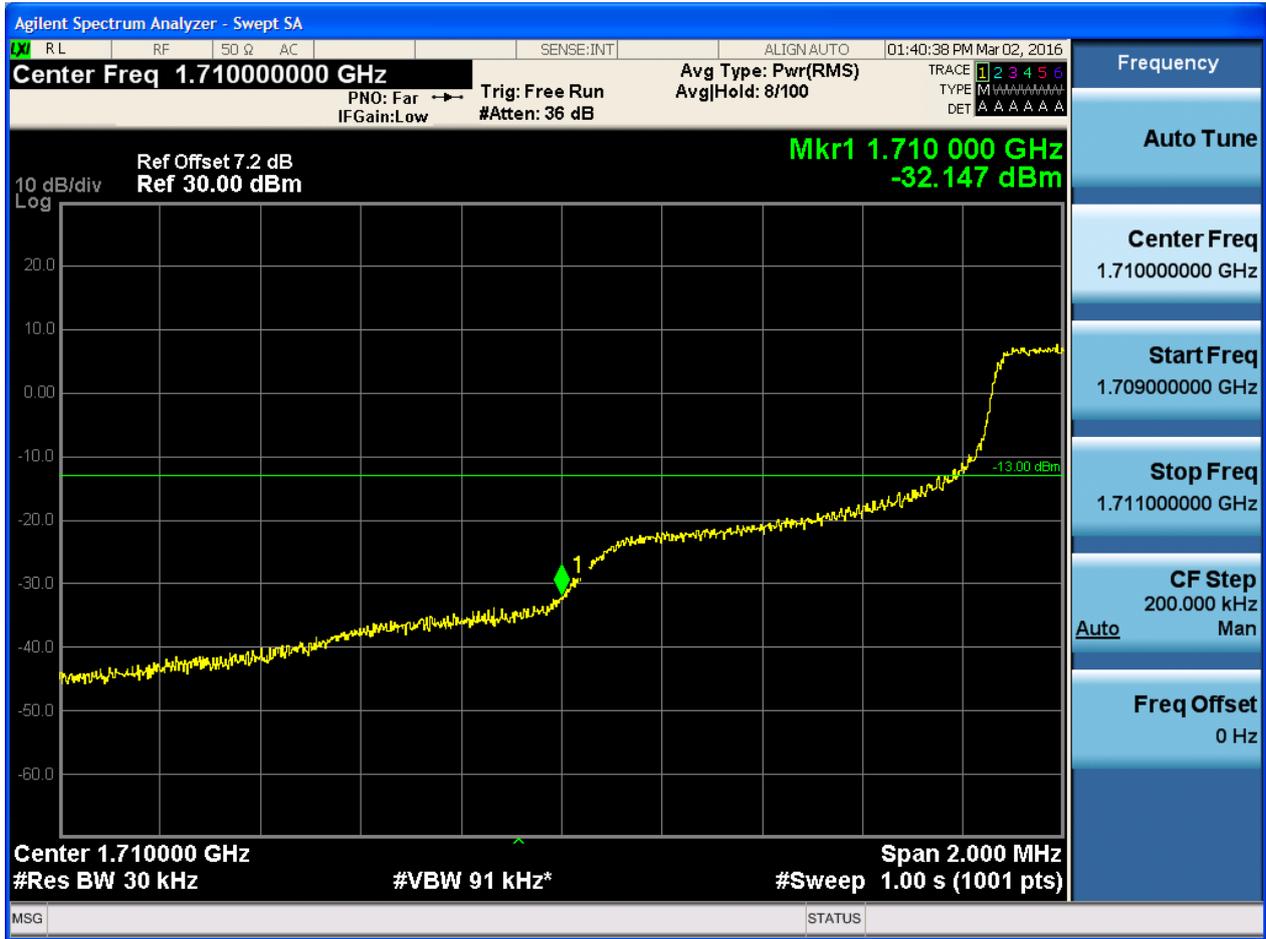


5.1.1.1.2.1.2 Test RB = RB1#14



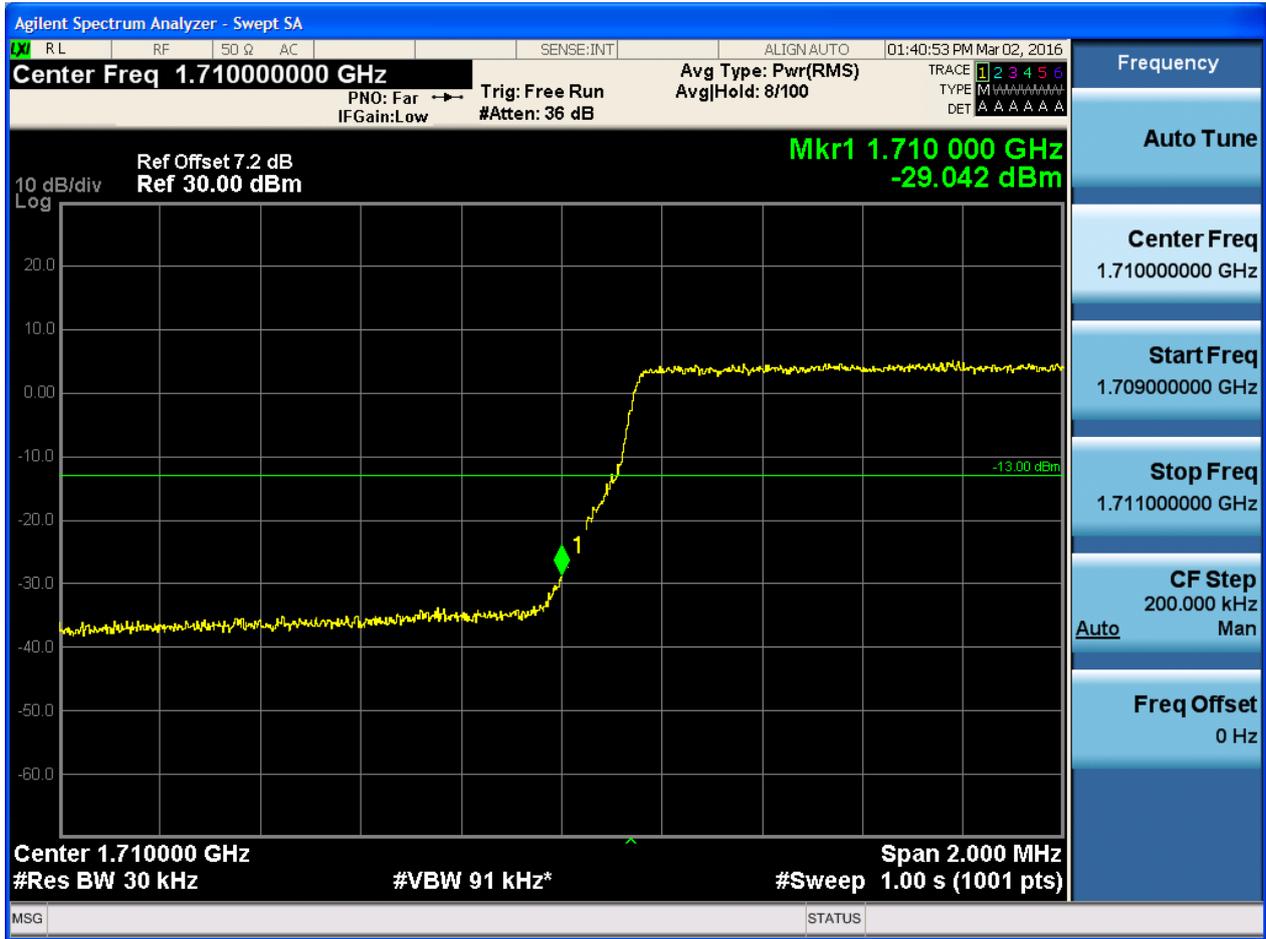


5.1.1.1.2.1.3 Test RB = RB8#4





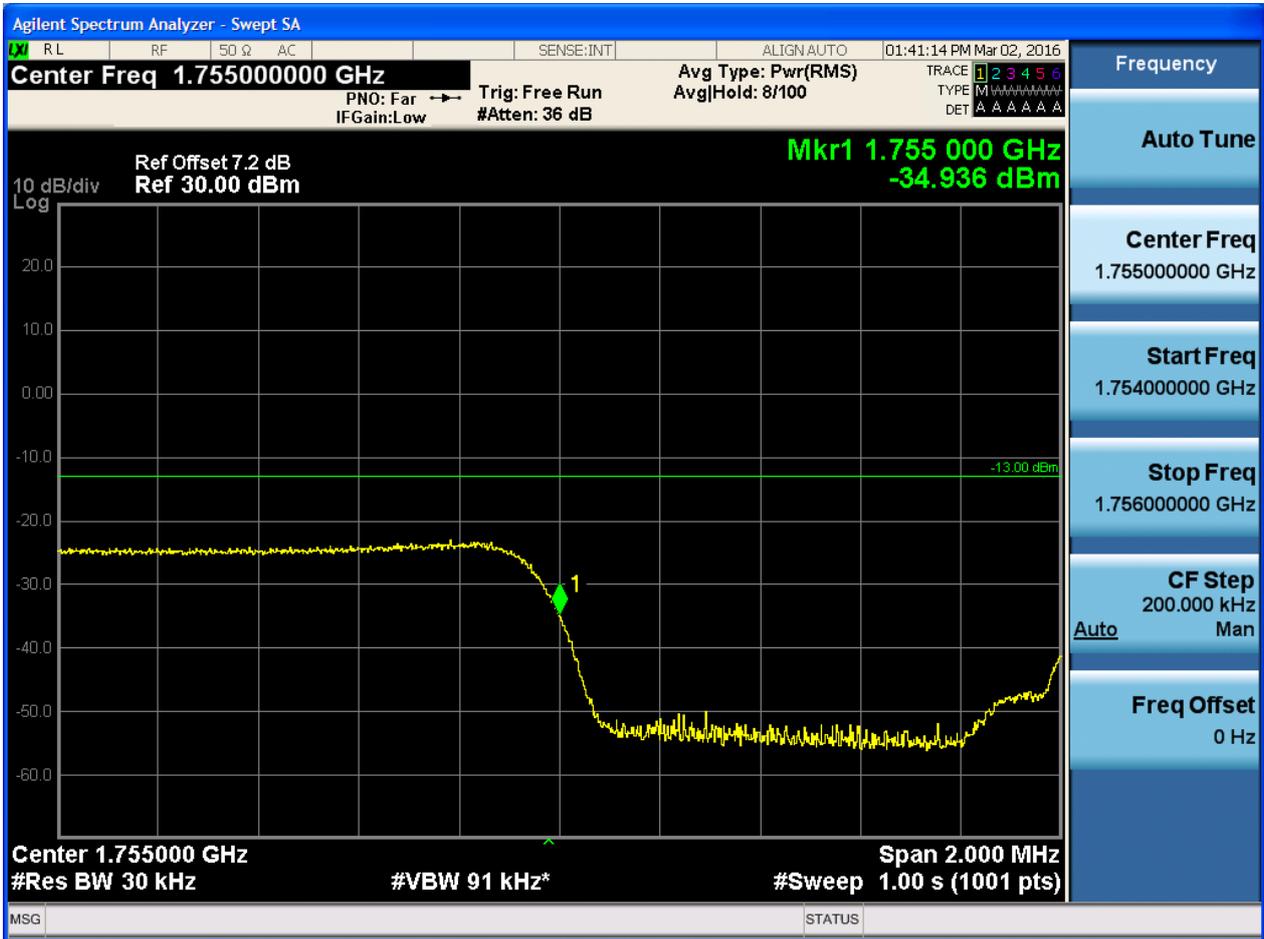
5.1.1.1.2.1.4 Test RB = RB15#0





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#14





5.1.1.1.2.2.3 Test RB = RB8#4





5.1.1.1.2.2.4 Test RB = RB15#0

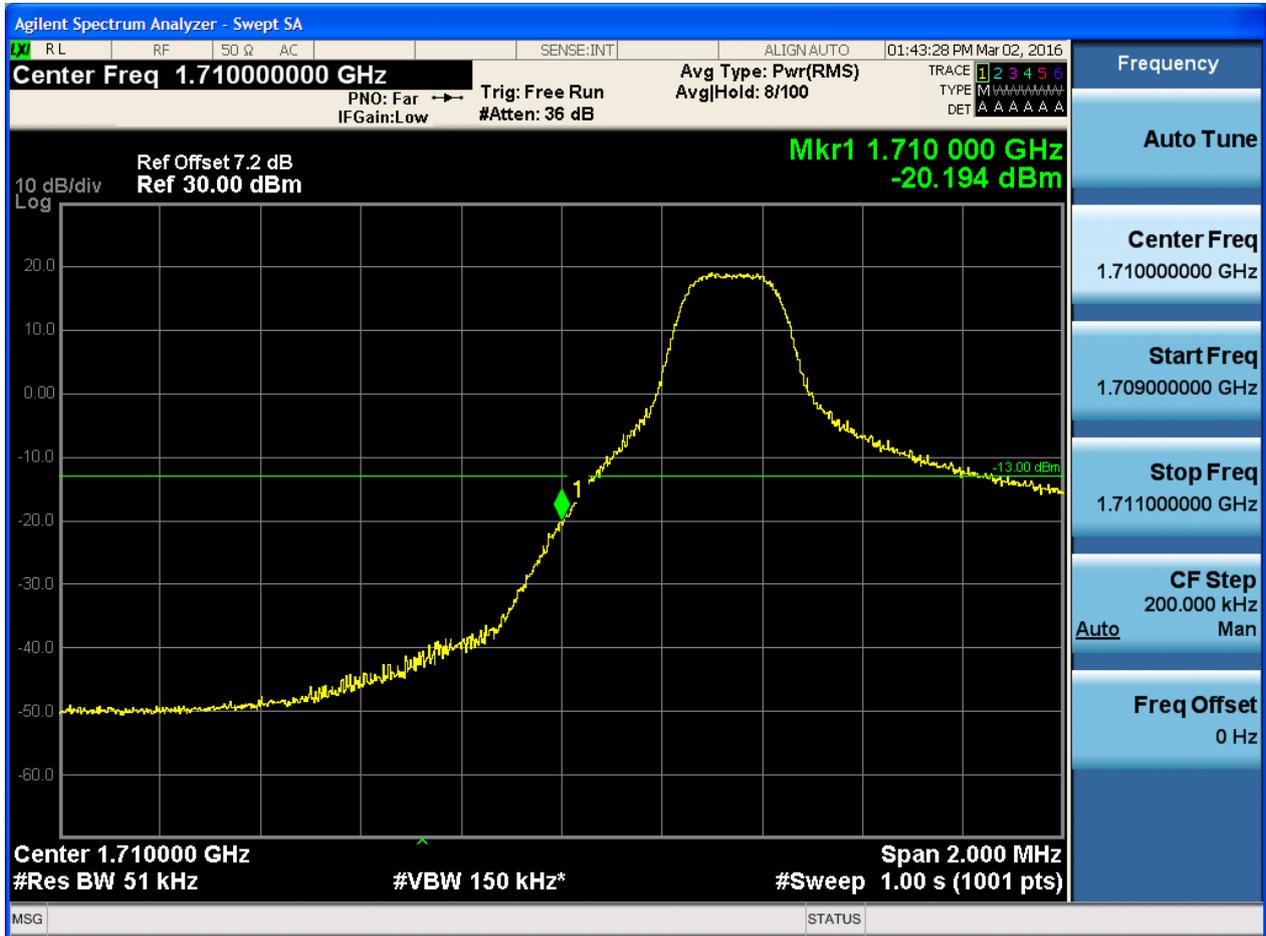




5.1.1.1.3 Test Bandwidth = 5

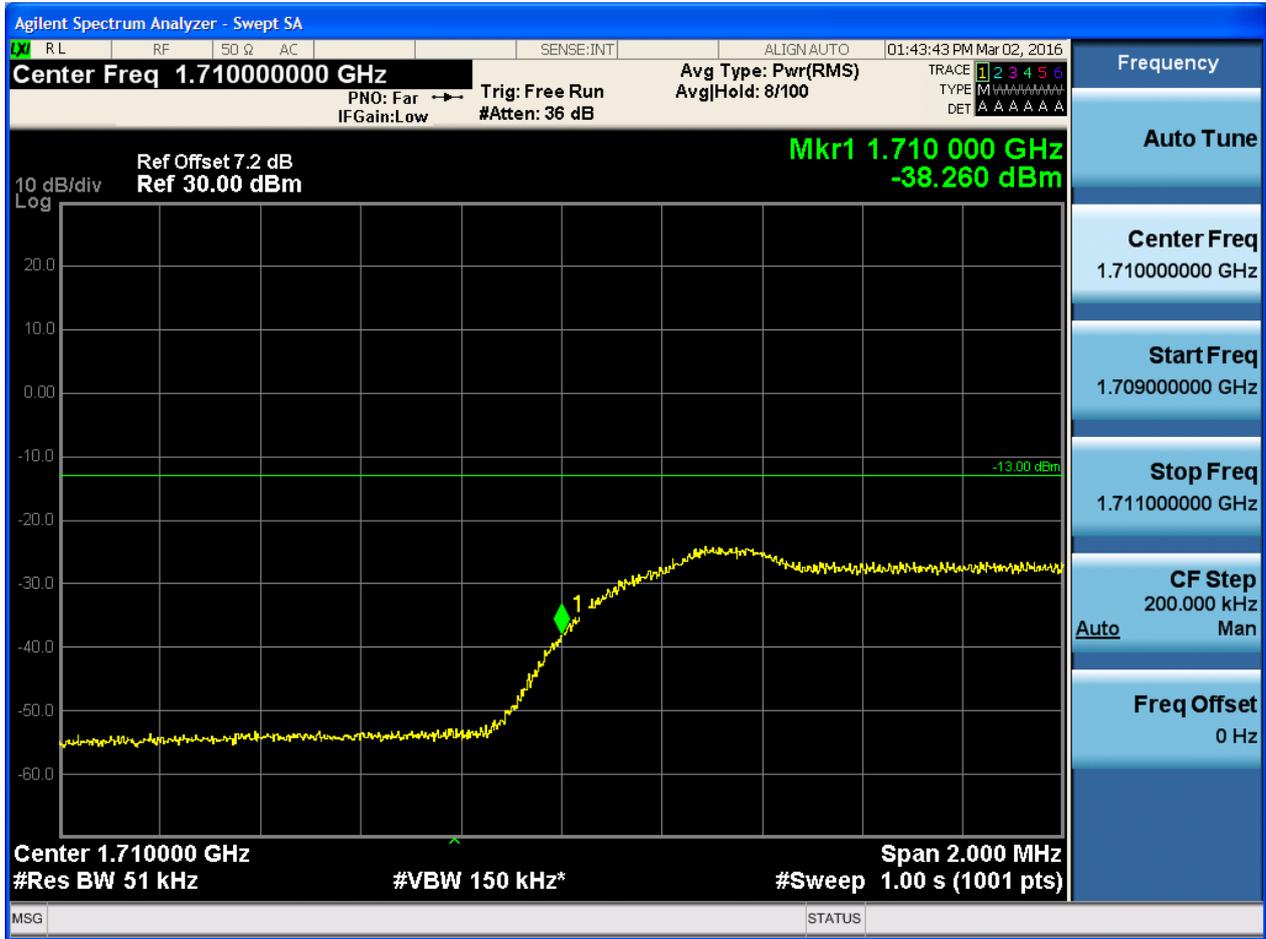
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0



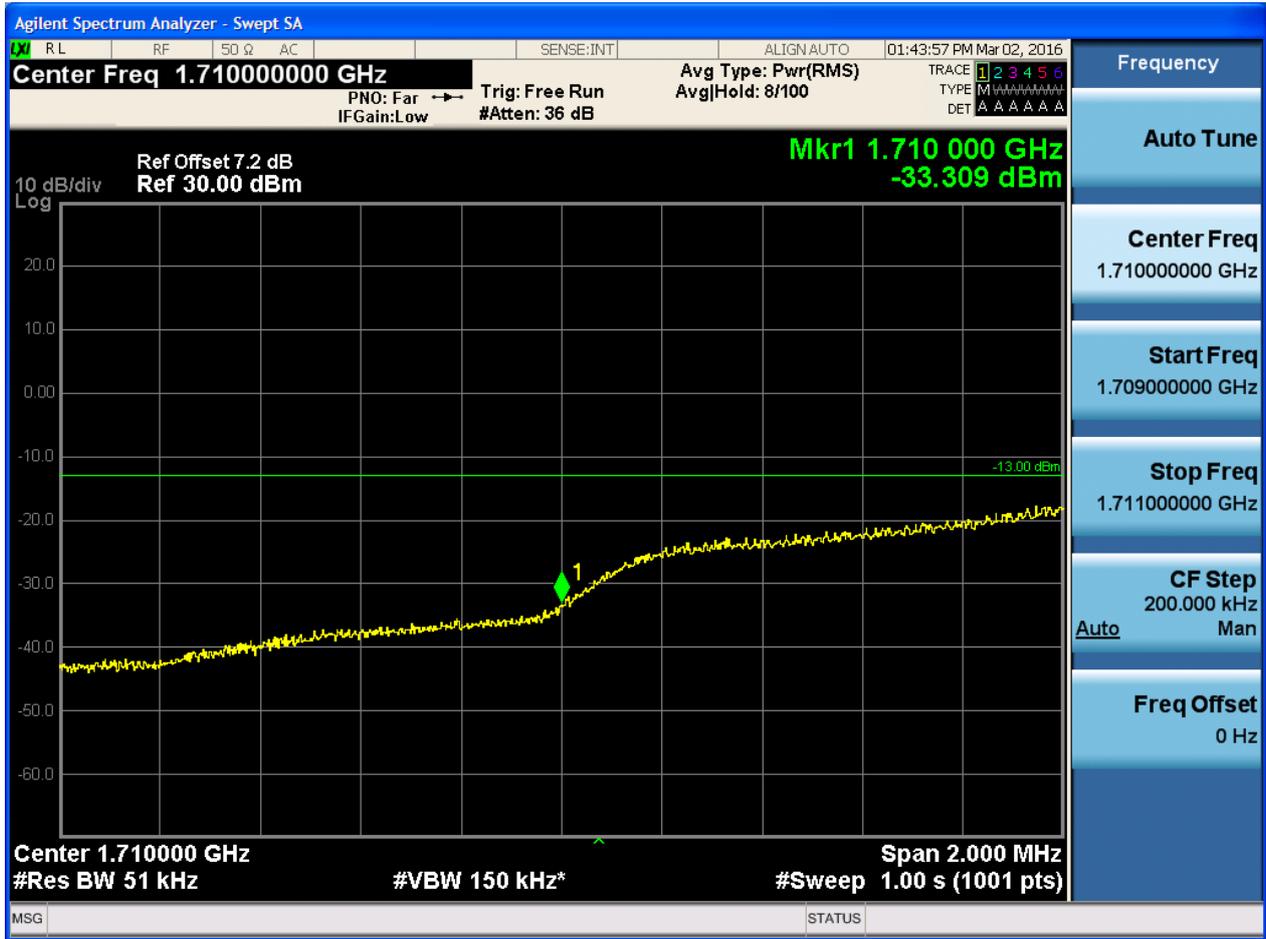


5.1.1.1.3.1.2 Test RB = RB1#24



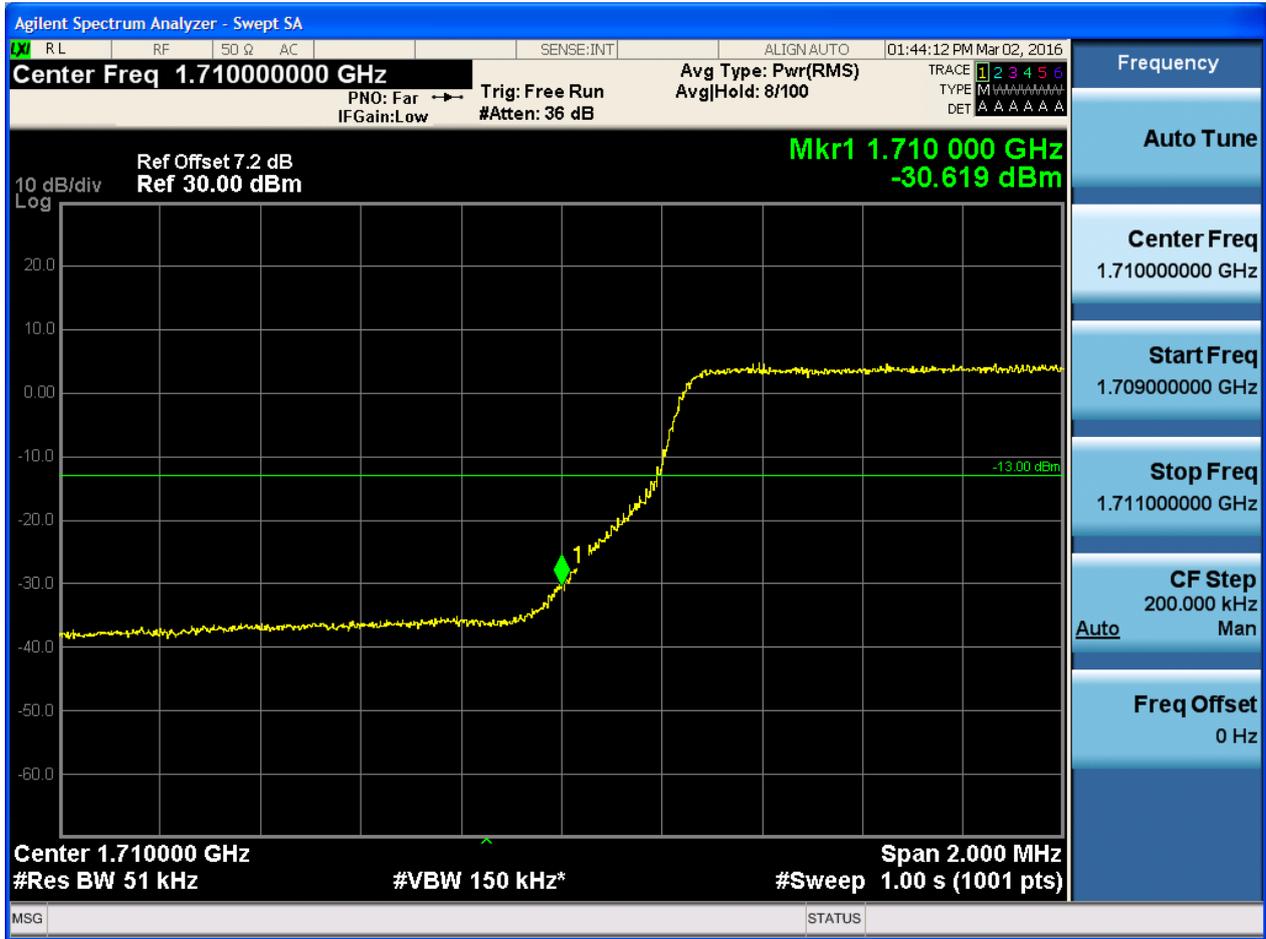


5.1.1.1.3.1.3 Test RB = RB12#6





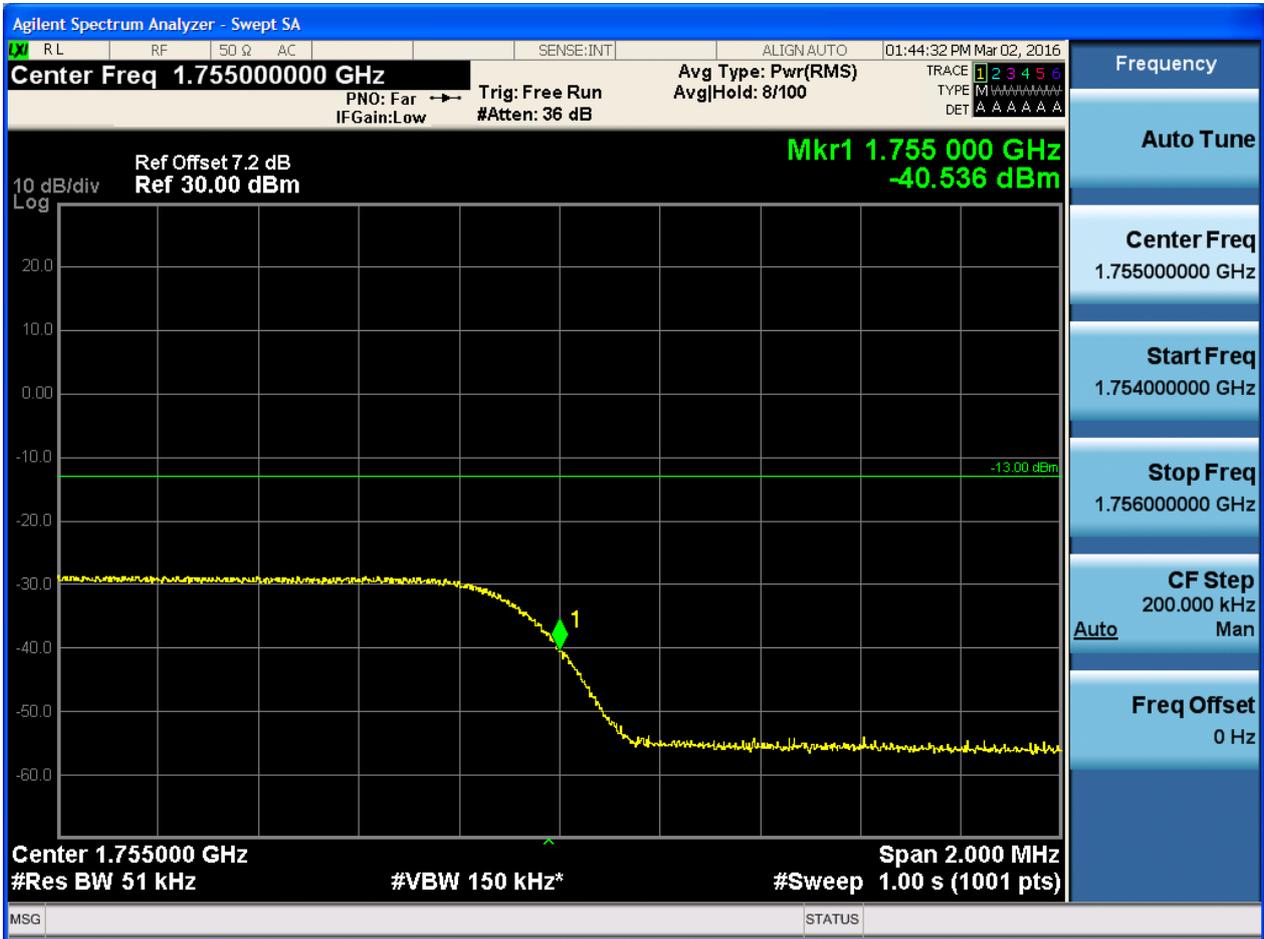
5.1.1.1.3.1.4 Test RB = RB25#0





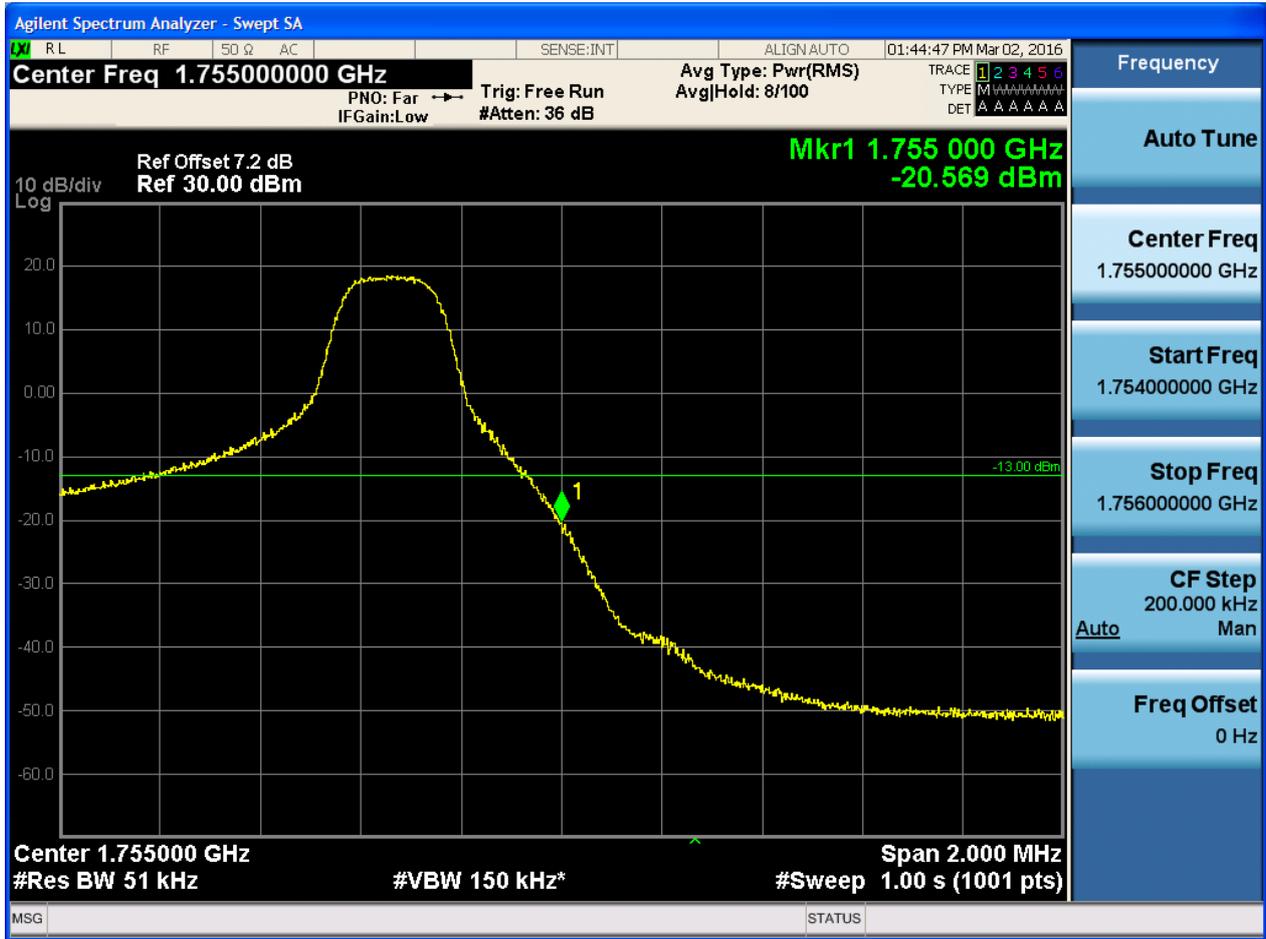
5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0





5.1.1.1.3.2.2 Test RB = RB1#24





5.1.1.1.3.2.3 Test RB = RB12#6





5.1.1.1.3.2.4 Test RB = RB25#0

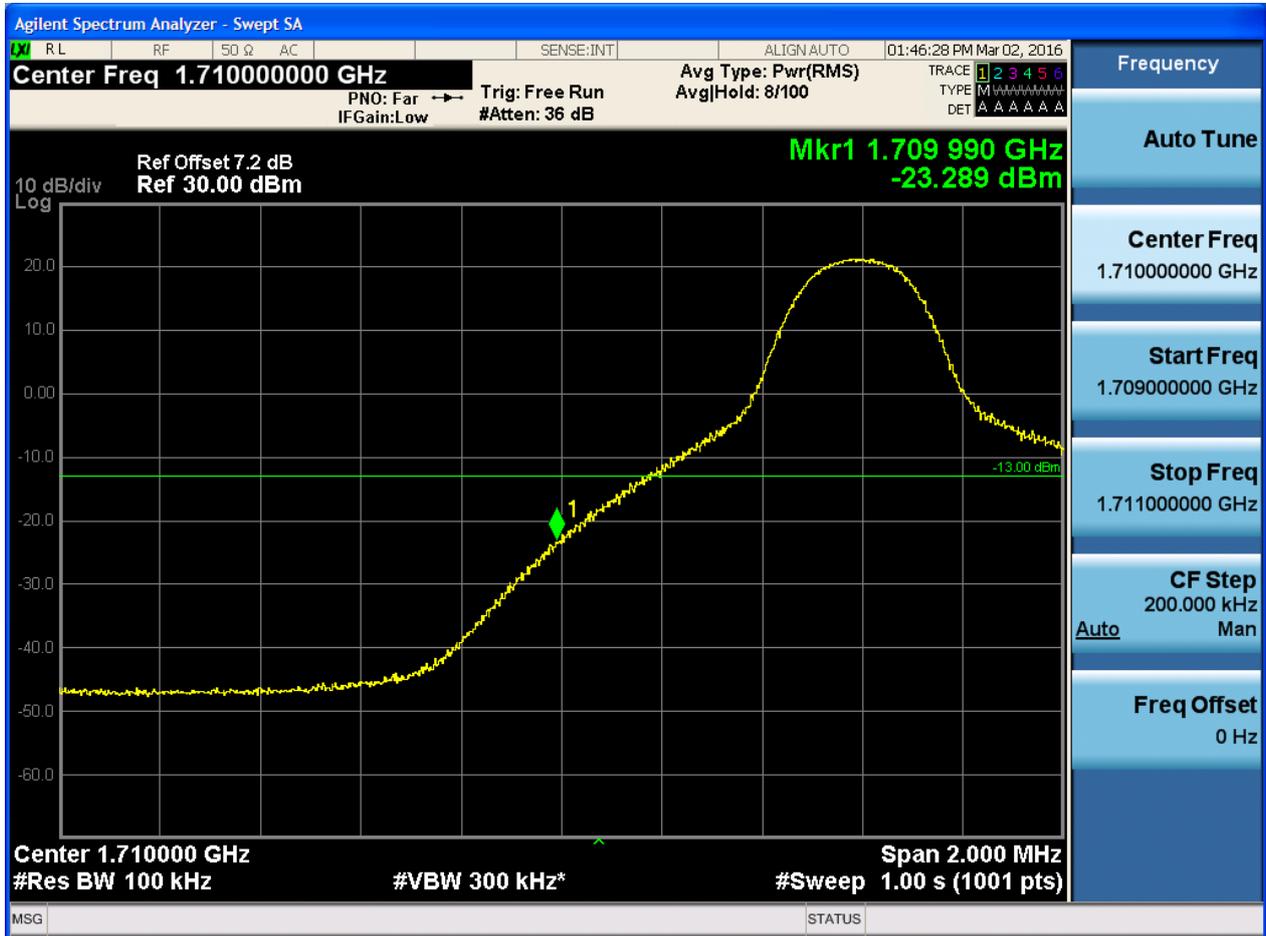




5.1.1.1.4 Test Bandwidth = 10

5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0





5.1.1.1.4.1.2 Test RB = RB1#49

