



# 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	22.5	22.46	30	PASS
				RB1#3	22.51	22.40	30	PASS
				RB1#5	22.48	22.13	30	PASS
				RB3#0	22.36	22.07	30	PASS
				RB3#2	22.39	22.12	30	PASS
				RB3#3	22.37	22.12	30	PASS
				RB6#0	21.52	21.16	30	PASS
			MCH	RB1#0	22.38	21.96	30	PASS
				RB1#3	22.38	22.10	30	PASS
				RB1#5	22.36	22.29	30	PASS
				RB3#0	22.34	22.24	30	PASS
				RB3#2	22.35	22.10	30	PASS
				RB3#3	22.33	22.15	30	PASS
				RB6#0	21.34	21.21	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.24	21.87	30	PASS
				RB1#3	22.24	21.97	30	PASS
				RB1#5	22.2	21.87	30	PASS
				RB3#0	22.14	21.83	30	PASS
				RB3#2	22.16	22.06	30	PASS
				RB3#3	22.14	21.93	30	PASS
				RB6#0	21.18	20.87	30	PASS
		3	LCH	RB1#0	22.38	22.26	30	PASS
				RB1#7	22.42	22.39	30	PASS
				RB1#14	22.37	22.21	30	PASS
				RB8#0	21.49	21.14	30	PASS
				RB8#4	21.5	21.22	30	PASS
				RB8#7	21.47	21.04	30	PASS
				RB15#0	21.4	21.25	30	PASS
				MCH	RB1#0	22.29	21.97	30
RB1#7	22.33	21.98	30		PASS			
RB1#14	22.28	22.19	30		PASS			



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict	
				RB8#0	21.41	21.28	30	PASS	
				RB8#4	21.44	21.39	30	PASS	
				RB8#7	21.37	21.07	30	PASS	
				RB15#0	21.35	21.01	30	PASS	
			HCH	RB1#0	22.19	22.16	30	PASS	
				RB1#7	22.22	21.80	30	PASS	
				RB1#14	22.11	22.05	30	PASS	
				RB8#0	21.29	20.92	30	PASS	
				RB8#4	21.28	21.18	30	PASS	
				RB8#7	21.23	21.12	30	PASS	
				RB15#0	21.21	20.95	30	PASS	
				5	LCH	RB1#0	22.56	22.38	30
			RB1#13			22.55	22.16	30	PASS
			RB1#24			22.47	22.38	30	PASS
		RB12#0	21.44			21.04	30	PASS	
		RB12#6	21.43			21.34	30	PASS	
		RB12#13	21.41			21.09	30	PASS	



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB25#0	21.38	21.30	30	PASS
			MCH	RB1#0	22.5	22.27	30	PASS
				RB1#13	22.46	22.24	30	PASS
				RB1#24	22.37	21.99	30	PASS
				RB12#0	21.42	21.33	30	PASS
				RB12#6	21.39	21.21	30	PASS
				RB12#13	21.35	20.95	30	PASS
				RB25#0	21.33	21.21	30	PASS
				HCH	RB1#0	22.45	22.16	30
			RB1#13		22.37	22.13	30	PASS
			RB1#24		22.23	21.80	30	PASS
			RB12#0		21.29	21.21	30	PASS
			RB12#6		21.26	21.12	30	PASS
			RB12#13		21.2	21.14	30	PASS
			RB25#0		21.22	20.96	30	PASS
		10	LCH		RB1#0	22.51	22.16	30
				RB1#25	22.47	22.12	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB1#49	22.38	22.14	30	PASS
				RB25#0	21.41	21.15	30	PASS
				RB25#13	21.4	21.04	30	PASS
				RB25#25	21.37	21.11	30	PASS
				RB50#0	21.38	21.16	30	PASS
			MCH	RB1#0	22.41	22.33	30	PASS
			MCH	RB1#25	22.39	22.31	30	PASS
			MCH	RB1#49	22.4	22.08	30	PASS
			MCH	RB25#0	21.36	20.99	30	PASS
			MCH	RB25#13	21.35	21.30	30	PASS
			MCH	RB25#25	21.32	21.23	30	PASS
			MCH	RB50#0	21.36	21.16	30	PASS
			HCH	RB1#0	22.5	22.08	30	PASS
			HCH	RB1#25	22.38	22.00	30	PASS
			HCH	RB1#49	22.19	22.05	30	PASS
			HCH	RB25#0	21.34	20.95	30	PASS
			HCH	RB25#13	21.31	21.23	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB25#25	21.22	20.90	30	PASS
				RB50#0	21.29	21.24	30	PASS
				RB1#0	22.54	22.22	30	PASS
				RB1#38	22.42	22.38	30	PASS
				RB1#74	22.41	22.28	30	PASS
			LCH	RB38#0	21.57	21.50	30	PASS
				RB38#19	21.48	21.05	30	PASS
				RB38#39	21.51	21.20	30	PASS
				RB75#0	21.53	21.29	30	PASS
		15		RB1#0	22.42	22.15	30	PASS
				RB1#38	22.38	22.32	30	PASS
				RB1#74	22.48	22.06	30	PASS
			MCH	RB38#0	21.46	21.05	30	PASS
				RB38#19	21.44	21.10	30	PASS
				RB38#39	21.44	21.15	30	PASS
				RB75#0	21.47	21.28	30	PASS
			HCH	RB1#0	22.55	22.51	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict	
				RB1#38	22.46	22.27	30	PASS	
				RB1#74	22.21	22.13	30	PASS	
				RB38#0	21.6	21.26	30	PASS	
				RB38#19	21.52	21.17	30	PASS	
				RB38#39	21.4	21.06	30	PASS	
				RB75#0	21.51	21.39	30	PASS	
		20	LCH	RB1#0	22.57	22.32	30	PASS	
				RB1#50	22.44	22.24	30	PASS	
				RB1#99	22.5	22.29	30	PASS	
				RB50#0	21.43	21.23	30	PASS	
				RB50#25	21.39	21.13	30	PASS	
				RB50#50	21.43	21.12	30	PASS	
				MCH	RB100#0	21.43	21.03	30	PASS
					RB1#0	22.48	22.29	30	PASS
					RB1#50	22.42	22.27	30	PASS
					RB1#99	22.6	22.51	30	PASS
					RB50#0	21.41	21.34	30	PASS





Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB50#25	21.37	21.29	30	PASS
				RB50#50	21.41	21.17	30	PASS
				RB100#0	21.41	21.05	30	PASS
			HCH	RB1#0	22.44	22.39	30	PASS
				RB1#50	22.55	22.19	30	PASS
				RB1#99	22.29	22.07	30	PASS
				RB50#0	21.48	21.23	30	PASS
				RB50#25	21.44	21.09	30	PASS
				RB50#50	21.35	21.20	30	PASS
				RB100#0	21.39	21.30	30	PASS
				LCH	RB1#0	21.49	21.13	30
			RB1#3		21.57	21.36	30	PASS
			RB1#5		21.5	21.38	30	PASS
			RB3#0		21.44	21.37	30	PASS
			RB3#2		21.44	21.33	30	PASS
RB3#3	21.45	21.35	30		PASS			
RB6#0	20.46	20.08	30		PASS			



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	21.49	21.39	30	PASS
				RB1#3	21.58	21.53	30	PASS
				RB1#5	21.5	21.20	30	PASS
				RB3#0	21.46	21.30	30	PASS
				RB3#2	21.46	21.07	30	PASS
				RB3#3	21.45	21.32	30	PASS
				RB6#0	20.39	20.05	30	PASS
			HCH	RB1#0	21.28	20.96	30	PASS
				RB1#3	21.36	21.25	30	PASS
				RB1#5	21.26	21.15	30	PASS
				RB3#0	21.24	21.04	30	PASS
				RB3#2	21.23	21.00	30	PASS
				RB3#3	21.22	21.12	30	PASS
				RB6#0	20.18	19.91	30	PASS
		3	LCH	RB1#0	21.59	21.22	30	PASS
RB1#7	21.63			21.43	30	PASS		
RB1#14	21.55			21.18	30	PASS		



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB8#0	20.49	20.30	30	PASS
				RB8#4	20.48	20.31	30	PASS
				RB8#7	20.47	20.21	30	PASS
				RB15#0	20.38	20.01	30	PASS
			MCH	RB1#0	21.6	21.24	30	PASS
				RB1#7	21.63	21.38	30	PASS
				RB1#14	21.56	21.23	30	PASS
				RB8#0	20.46	20.27	30	PASS
				RB8#4	20.48	20.08	30	PASS
				RB8#7	20.44	20.18	30	PASS
				RB15#0	20.37	20.04	30	PASS
				HCH	RB1#0	21.44	21.39	30
			RB1#7		21.43	21.37	30	PASS
			RB1#14		21.34	21.31	30	PASS
			RB8#0		20.29	20.01	30	PASS
			RB8#4		20.3	20.17	30	PASS
			RB8#7		20.26	19.87	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB15#0	20.18	20.01	30	PASS
		5	LCH	RB1#0	21.53	21.14	30	PASS
				RB1#13	21.53	21.44	30	PASS
				RB1#24	21.47	21.29	30	PASS
				RB12#0	20.38	20.10	30	PASS
				RB12#6	20.37	20.24	30	PASS
				RB12#13	20.38	20.23	30	PASS
				RB25#0	20.27	19.88	30	PASS
				MCH	RB1#0	21.55	21.43	30
			RB1#13		21.51	21.26	30	PASS
			RB1#24		21.45	21.20	30	PASS
			RB12#0		20.4	20.19	30	PASS
			RB12#6		20.38	20.21	30	PASS
			RB12#13		20.33	19.91	30	PASS
			RB25#0		20.27	19.92	30	PASS
			HCH	RB1#0	21.41	21.19	30	PASS
		RB1#13		21.38	21.04	30	PASS	



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB1#24	21.26	20.99	30	PASS
				RB12#0	20.27	20.18	30	PASS
				RB12#6	20.22	20.14	30	PASS
				RB12#13	20.18	19.82	30	PASS
				RB25#0	20.14	19.93	30	PASS
				RB1#0	21.72	21.62	30	PASS
				RB1#25	21.7	21.65	30	PASS
				RB1#49	21.64	21.46	30	PASS
			LCH	RB25#0	20.33	20.05	30	PASS
				RB25#13	20.33	20.14	30	PASS
				RB25#25	20.31	20.23	30	PASS
		10		RB50#0	20.34	20.09	30	PASS
				RB1#0	21.69	21.29	30	PASS
				RB1#25	21.67	21.25	30	PASS
			MCH	RB1#49	21.64	21.33	30	PASS
				RB25#0	20.31	20.07	30	PASS
				RB25#13	20.3	20.27	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB25#25	20.28	19.90	30	PASS
				RB50#0	20.32	20.03	30	PASS
			HCH	RB1#0	21.7	21.55	30	PASS
				RB1#25	21.6	21.46	30	PASS
				RB1#49	21.41	21.34	30	PASS
				RB25#0	20.28	20.09	30	PASS
				RB25#13	20.23	19.88	30	PASS
				RB25#25	20.18	19.87	30	PASS
				RB50#0	20.25	19.86	30	PASS
				LCH	RB1#0	21.73	21.62	30
		RB1#38	21.65		21.57	30	PASS	
		RB1#74	21.7		21.66	30	PASS	
		RB38#0	20.48		20.33	30	PASS	
		RB38#19	20.43		20.29	30	PASS	
		RB38#39	20.45		20.33	30	PASS	
RB75#0	20.45	20.23	30		PASS			
MCH	RB1#0	21.7	21.40	30	PASS			



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB1#38	21.67	21.29	30	PASS
				RB1#74	21.74	21.59	30	PASS
				RB38#0	20.43	20.37	30	PASS
				RB38#19	20.4	19.99	30	PASS
				RB38#39	20.4	20.08	30	PASS
				RB75#0	20.4	20.30	30	PASS
			HCH	RB1#0	21.77	21.72	30	PASS
				RB1#38	21.67	21.39	30	PASS
				RB1#74	21.44	21.06	30	PASS
				RB38#0	20.51	20.30	30	PASS
				RB38#19	20.45	20.03	30	PASS
				RB38#39	20.32	20.14	30	PASS
		LCH	RB75#0	20.42	20.21	30	PASS	
			RB1#0	21.97	21.70	30	PASS	
			RB1#50	21.89	21.63	30	PASS	
			RB1#99	21.97	21.72	30	PASS	
		20	RB50#0	20.38	20.01	30	PASS	



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP[dBm]	Limit [dBm]	Verdict
				RB50#25	20.34	20.06	30	PASS
				RB50#50	20.39	20.08	30	PASS
				RB100#0	20.38	20.11	30	PASS
			MCH	RB1#0	21.95	21.84	30	PASS
				RB1#50	21.9	21.85	30	PASS
				RB1#99	21.78	21.57	30	PASS
				RB50#0	20.39	20.04	30	PASS
				RB50#25	20.35	20.06	30	PASS
				RB50#50	20.38	20.13	30	PASS
				RB100#0	20.4	20.19	30	PASS
				HCH	RB1#0	21.89	21.49	30
			RB1#50		21.96	21.82	30	PASS
			RB1#99		21.75	21.71	30	PASS
			RB50#0		20.44	20.33	30	PASS
			RB50#25		20.39	20.34	30	PASS
			RB50#50		20.29	19.89	30	PASS
			RB100#0		20.37	20.32	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:

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

SET RBW=1%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	3.23	13	PASS
				RB1#3	3.38	13	PASS
				RB1#5	3.42	13	PASS
				RB3#0	3.99	13	PASS
				RB3#2	3.89	13	PASS
				RB3#3	4.11	13	PASS
			RB6#0	5.69	13	PASS	
			MCH	RB1#0	4.08	13	PASS
				RB1#3	4.09	13	PASS
				RB1#5	4.03	13	PASS
				RB3#0	4.96	13	PASS
				RB3#2	4.83	13	PASS
				RB3#3	4.91	13	PASS
			HCH	RB6#0	6.46	13	PASS
				RB1#0	3.85	13	PASS
				RB1#3	4.04	13	PASS
				RB1#5	4.02	13	PASS
				RB3#0	4.9	13	PASS
		RB3#2		4.81	13	PASS	
		3	LCH	RB3#3	4.86	13	PASS
				RB6#0	6.25	13	PASS
				RB1#0	3.13	13	PASS
				RB1#7	3.67	13	PASS
				RB1#14	3.91	13	PASS
				RB8#0	5.01	13	PASS
			MCH	RB8#4	5.01	13	PASS
				RB8#7	5.26	13	PASS
				RB15#0	5.41	13	PASS
RB8#0	5.77			13	PASS		



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
				RB8#4	5.77	13	PASS	
				RB8#7	5.84	13	PASS	
				RB15#0	6.12	13	PASS	
			HCH	RB1#0	4.23	13	PASS	
				RB1#7	4.21	13	PASS	
				RB1#14	4.15	13	PASS	
				RB8#0	5.72	13	PASS	
				RB8#4	5.61	13	PASS	
				RB8#7	5.67	13	PASS	
				RB15#0	5.48	13	PASS	
				LCH	RB1#0	3.33	13	PASS
					RB1#13	3.78	13	PASS
		RB1#24	4.05		13	PASS		
		RB12#0	4.95		13	PASS		
		RB12#6	5		13	PASS		
		RB12#13	5.31		13	PASS		
		RB25#0	5.51		13	PASS		
		MCH	RB1#0	4.11	13	PASS		
			RB1#13	4.11	13	PASS		
			RB1#24	4.14	13	PASS		
			RB12#0	5.62	13	PASS		
			RB12#6	5.5	13	PASS		
			RB12#13	5.57	13	PASS		
			RB25#0	5.76	13	PASS		
		HCH	RB1#0	4.05	13	PASS		
			RB1#13	4.11	13	PASS		
			RB1#24	4.12	13	PASS		
			RB12#0	5.53	13	PASS		
			RB12#6	5.41	13	PASS		
			RB12#13	5.5	13	PASS		
			RB25#0	5.76	13	PASS		
		10	LCH	RB1#0	3.43	13	PASS	
				RB1#25	4.13	13	PASS	
RB1#49	4.2			13	PASS			
RB25#0	5.27			13	PASS			
RB25#13	5.49			13	PASS			
RB25#25	5.68			13	PASS			
RB50#0	5.88			13	PASS			
MCH	RB1#0		4.39	13	PASS			



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
				RB1#25	4.02	13	PASS	
				RB1#49	4.1	13	PASS	
				RB25#0	5.74	13	PASS	
				RB25#13	5.64	13	PASS	
				RB25#25	5.65	13	PASS	
				RB50#0	6	13	PASS	
			HCH	RB1#0	3.88	13	PASS	
				RB1#25	4.16	13	PASS	
				RB1#49	4.23	13	PASS	
				RB25#0	5.54	13	PASS	
				RB25#13	5.56	13	PASS	
				RB25#25	5.67	13	PASS	
			15	LCH	RB1#0	3.45	13	PASS
					RB1#38	4.22	13	PASS
		RB1#74			4.4	13	PASS	
		RB38#0			5.55	13	PASS	
		RB38#19			5.77	13	PASS	
		RB38#39			5.99	13	PASS	
		MCH		RB75#0	6.52	13	PASS	
				RB1#0	4.42	13	PASS	
				RB1#38	4.22	13	PASS	
				RB1#74	4.06	13	PASS	
				RB38#0	5.92	13	PASS	
				RB38#19	5.75	13	PASS	
		HCH		RB38#39	5.7	13	PASS	
				RB75#0	6.5	13	PASS	
			RB1#0	3.86	13	PASS		
			RB1#38	4.11	13	PASS		
			RB1#74	4.2	13	PASS		
			RB38#0	5.52	13	PASS		
		20	LCH	RB38#19	5.55	13	PASS	
				RB38#39	5.77	13	PASS	
RB75#0	6.38			13	PASS			
RB1#0	3.65			13	PASS			
RB1#50	4.6			13	PASS			
				RB1#99	4.65	13	PASS	
				RB50#0	5.87	13	PASS	
				RB50#25	6.06	13	PASS	



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
				RB50#50	6.13	13	PASS	
				RB100#0	6.16	13	PASS	
			MCH	RB1#0	4.6	13	PASS	
				RB1#50	4.33	13	PASS	
				RB1#99	4.24	13	PASS	
				RB50#0	6.09	13	PASS	
				RB50#25	5.95	13	PASS	
				RB50#50	5.8	13	PASS	
			RB100#0	6.1	13	PASS		
			HCH	RB1#0	4.36	13	PASS	
				RB1#50	4.27	13	PASS	
				RB1#99	4.45	13	PASS	
				RB50#0	5.75	13	PASS	
				RB50#25	5.69	13	PASS	
	RB50#50	5.84		13	PASS			
	RB100#0	6.04	13	PASS				
		LTE/TM2	1.4	LCH	RB1#0	4.39	13	PASS
					RB1#3	4.5	13	PASS
					RB1#5	4.57	13	PASS
					RB3#0	4.91	13	PASS
					RB3#2	4.88	13	PASS
					RB3#3	5.06	13	PASS
					RB6#0	5.67	13	PASS
				MCH	RB1#0	5.3	13	PASS
					RB1#3	5.3	13	PASS
					RB1#5	5.22	13	PASS
					RB3#0	5.88	13	PASS
					RB3#2	5.78	13	PASS
					RB3#3	5.91	13	PASS
					RB6#0	6.32	13	PASS
HCH			RB1#0	5.19	13	PASS		
			RB1#3	5.25	13	PASS		
	RB1#5	5.19	13	PASS				
	RB3#0	5.82	13	PASS				
	RB3#2	5.74	13	PASS				
	RB3#3	5.85	13	PASS				
	RB6#0	6.25	13	PASS				
3	LCH	RB1#0	4.41	13	PASS			
		RB1#7	4.68	13	PASS			



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#14	5.04	13	PASS
				RB8#0	5.69	13	PASS
				RB8#4	5.74	13	PASS
				RB8#7	5.94	13	PASS
				RB15#0	6.3	13	PASS
			MCH	RB1#0	5.53	13	PASS
				RB1#7	5.42	13	PASS
				RB1#14	5.5	13	PASS
				RB8#0	6.51	13	PASS
				RB8#4	6.39	13	PASS
				RB8#7	6.4	13	PASS
				RB15#0	6.79	13	PASS
			HCH	RB1#0	5.41	13	PASS
				RB1#7	5.37	13	PASS
				RB1#14	5.41	13	PASS
		RB8#0		6.42	13	PASS	
		RB8#4		6.4	13	PASS	
		RB8#7		6.43	13	PASS	
		RB15#0		6.83	13	PASS	
		5	LCH	RB1#0	4.43	13	PASS
				RB1#13	4.73	13	PASS
				RB1#24	5.32	13	PASS
				RB12#0	5.78	13	PASS
				RB12#6	5.84	13	PASS
				RB12#13	6.09	13	PASS
				RB25#0	6.55	13	PASS
			MCH	RB1#0	5.54	13	PASS
				RB1#13	5.42	13	PASS
				RB1#24	5.38	13	PASS
				RB12#0	6.35	13	PASS
RB12#6	6.25			13	PASS		
RB12#13	6.29			13	PASS		
RB25#0	6.74			13	PASS		
HCH	RB1#0		5.06	13	PASS		
	RB1#13	5.24	13	PASS			
	RB1#24	5.32	13	PASS			
	RB12#0	6.29	13	PASS			
	RB12#6	6.23	13	PASS			
	RB12#13	6.33	13	PASS			



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		10	LCH	RB25#0	6.77	13	PASS
				RB1#0	4.62	13	PASS
				RB1#25	5.4	13	PASS
				RB1#49	5.66	13	PASS
				RB25#0	6.43	13	PASS
				RB25#13	6.64	13	PASS
				RB25#25	6.86	13	PASS
			RB50#0	7.12	13	PASS	
			MCH	RB1#0	5.71	13	PASS
				RB1#25	5.55	13	PASS
				RB1#49	5.28	13	PASS
				RB25#0	7.03	13	PASS
				RB25#13	6.85	13	PASS
				RB25#25	6.8	13	PASS
				RB50#0	7.03	13	PASS
			HCH	RB1#0	5.3	13	PASS
				RB1#25	5.38	13	PASS
				RB1#49	5.43	13	PASS
				RB25#0	6.86	13	PASS
				RB25#13	6.89	13	PASS
				RB25#25	6.94	13	PASS
		RB50#0		7.15	13	PASS	
		15	LCH	RB1#0	4.6	13	PASS
				RB1#38	5.48	13	PASS
				RB1#74	5.55	13	PASS
				RB38#0	6.7	13	PASS
				RB38#19	6.86	13	PASS
				RB38#39	7.09	13	PASS
				RB75#0	7.04	13	PASS
			MCH	RB1#0	5.58	13	PASS
				RB1#38	5.45	13	PASS
				RB1#74	5.24	13	PASS
				RB38#0	7.08	13	PASS
				RB38#19	6.85	13	PASS
				RB38#39	6.78	13	PASS
			HCH	RB75#0	7	13	PASS
RB1#0	5.21			13	PASS		
RB1#38	5.3	13		PASS			
				RB1#74	5.39	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict		
				RB38#0	6.69	13	PASS		
				RB38#19	6.66	13	PASS		
				RB38#39	6.91	13	PASS		
				RB75#0	6.99	13	PASS		
				20	LCH	RB1#0	3.78	13	PASS
						RB1#50	4.34	13	PASS
						RB1#99	4.5	13	PASS
						RB50#0	6.9	13	PASS
						RB50#25	7.03	13	PASS
						RB50#50	7.1	13	PASS
						RB100#0	6.87	13	PASS
					MCH	RB1#0	4.44	13	PASS
						RB1#50	4.3	13	PASS
						RB1#99	4.16	13	PASS
						RB50#0	7.11	13	PASS
						RB50#25	6.9	13	PASS
						RB50#50	6.77	13	PASS
						RB100#0	6.94	13	PASS
					HCH	RB1#0	4.25	13	PASS
						RB1#50	4.12	13	PASS
						RB1#99	4.34	13	PASS
						RB50#0	6.66	13	PASS
						RB50#25	6.64	13	PASS
						RB50#50	6.81	13	PASS
						RB100#0	7.05	13	PASS



## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

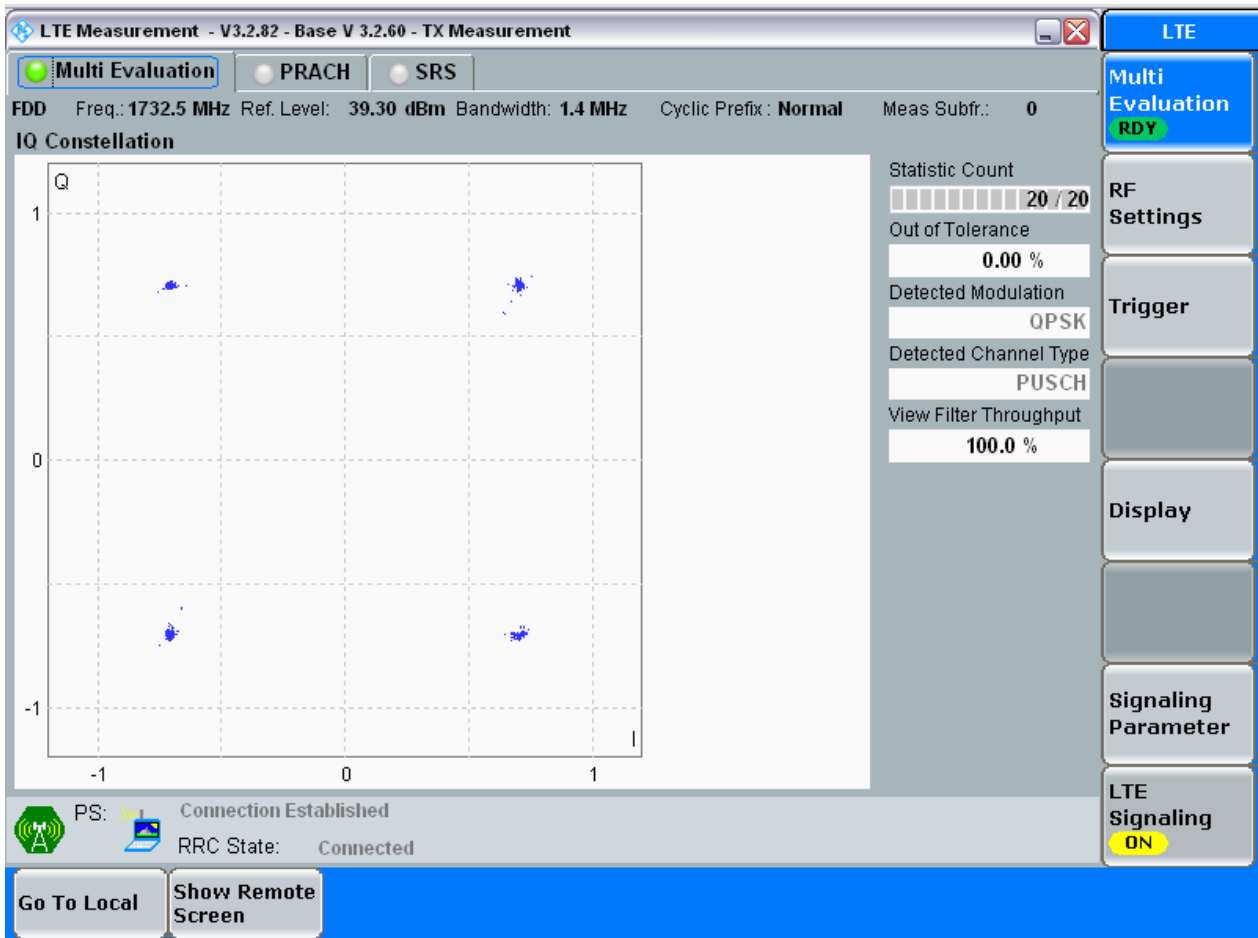
##### 3.1.1 Test Band = BAND4

##### 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

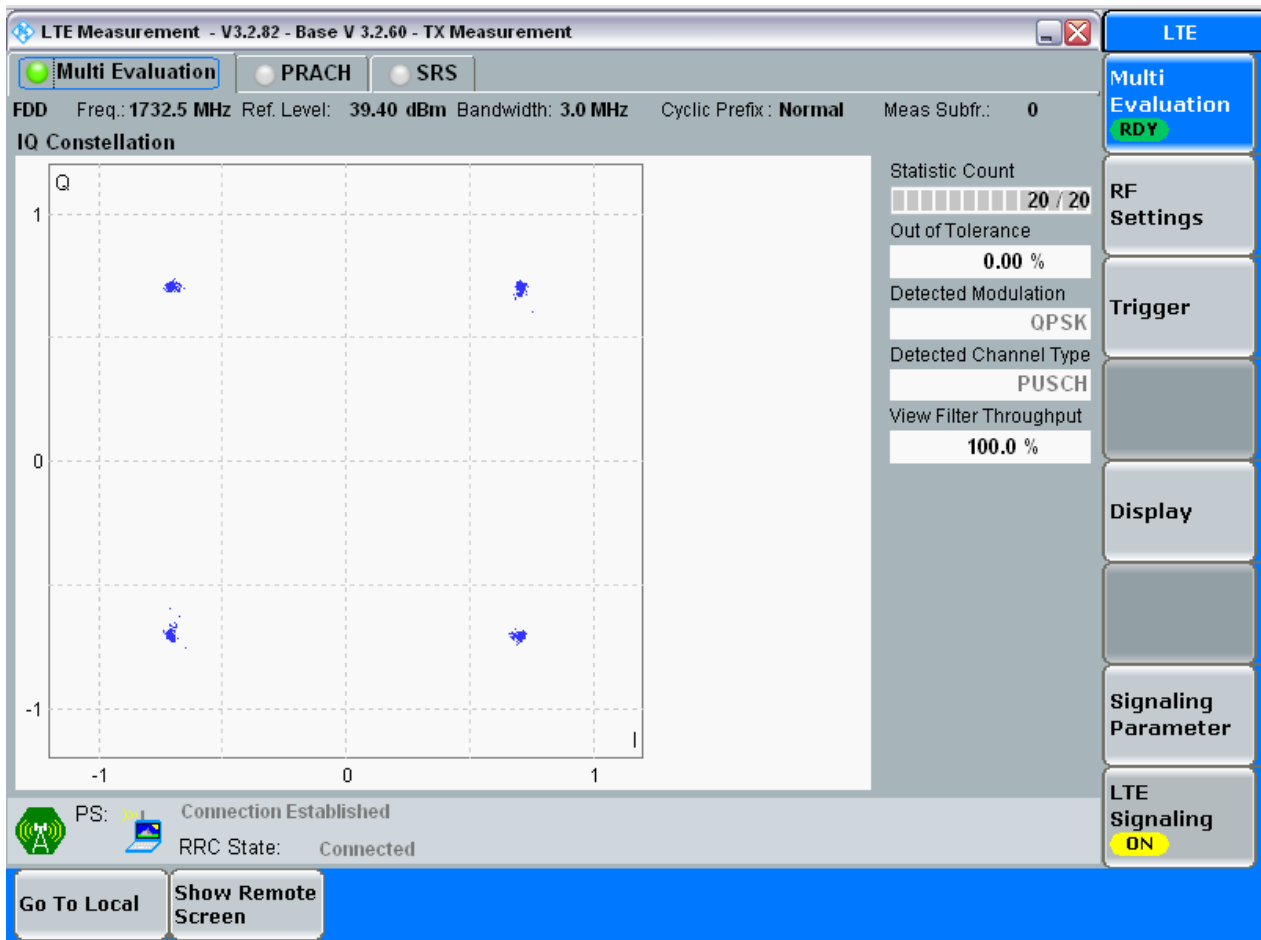
##### 3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

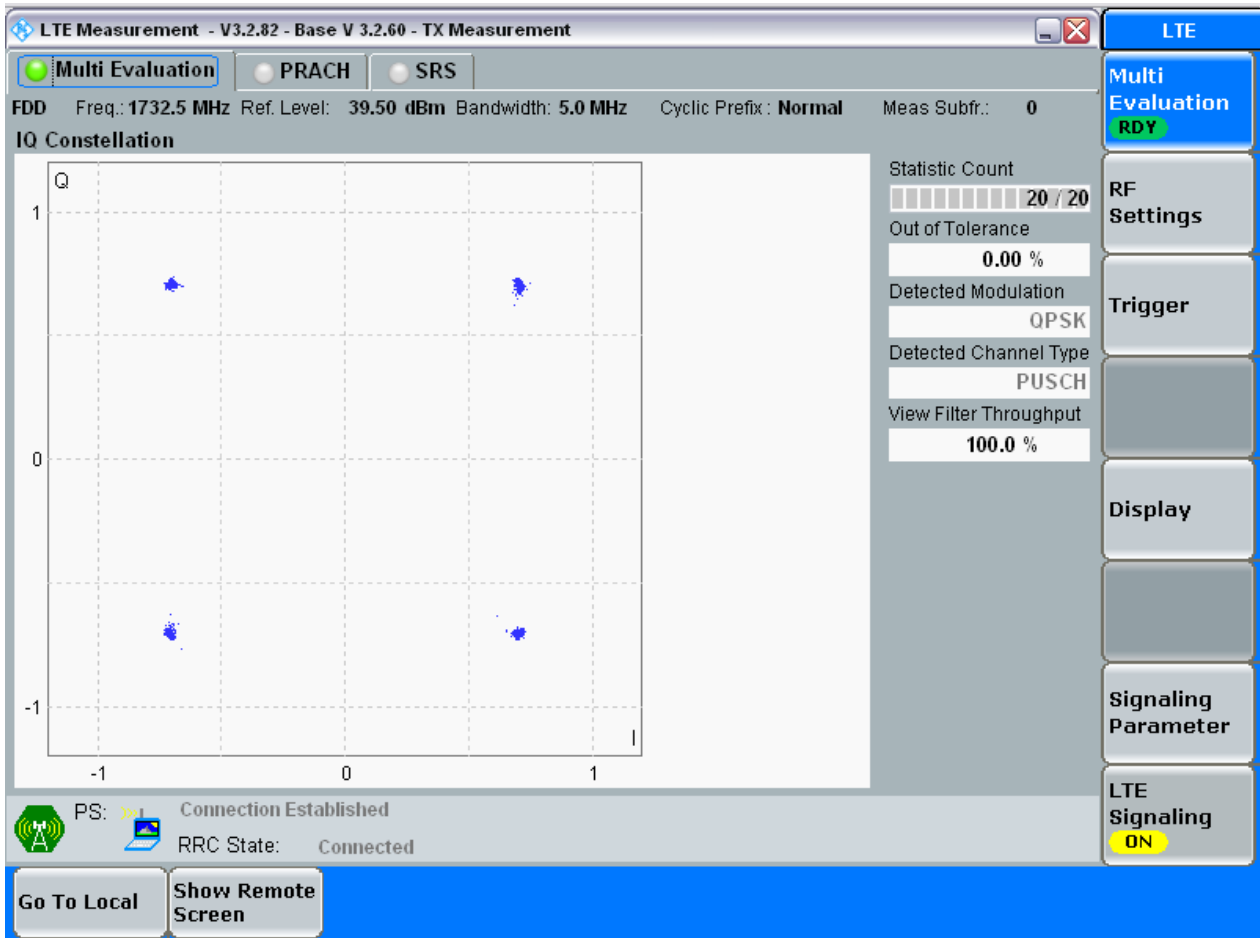
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

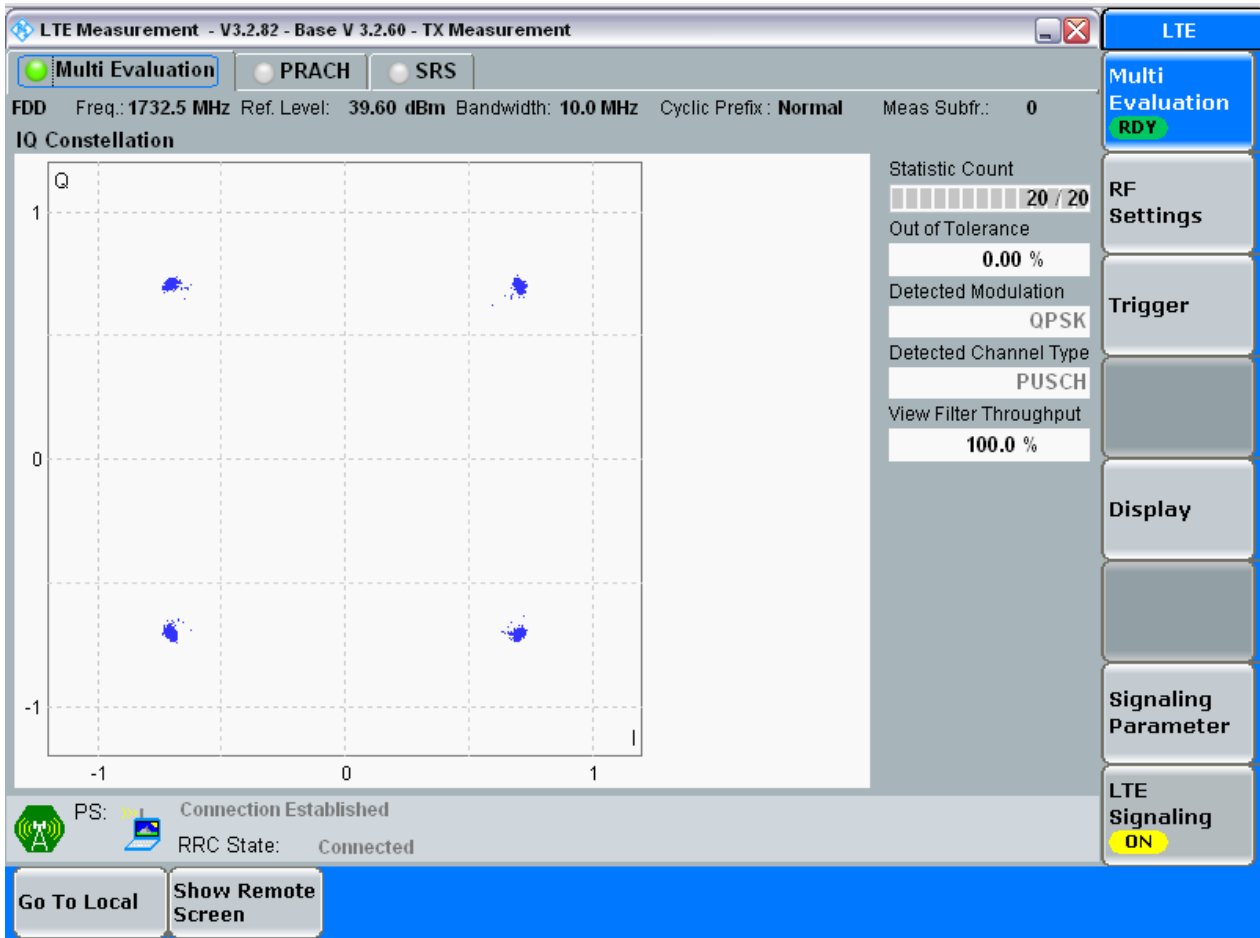
3.1.1.1.3.1.1 Test RB = RB25#0



### 3.1.1.1.4 Test Bandwidth = 10

#### 3.1.1.1.4.1 Test Channel = MCH

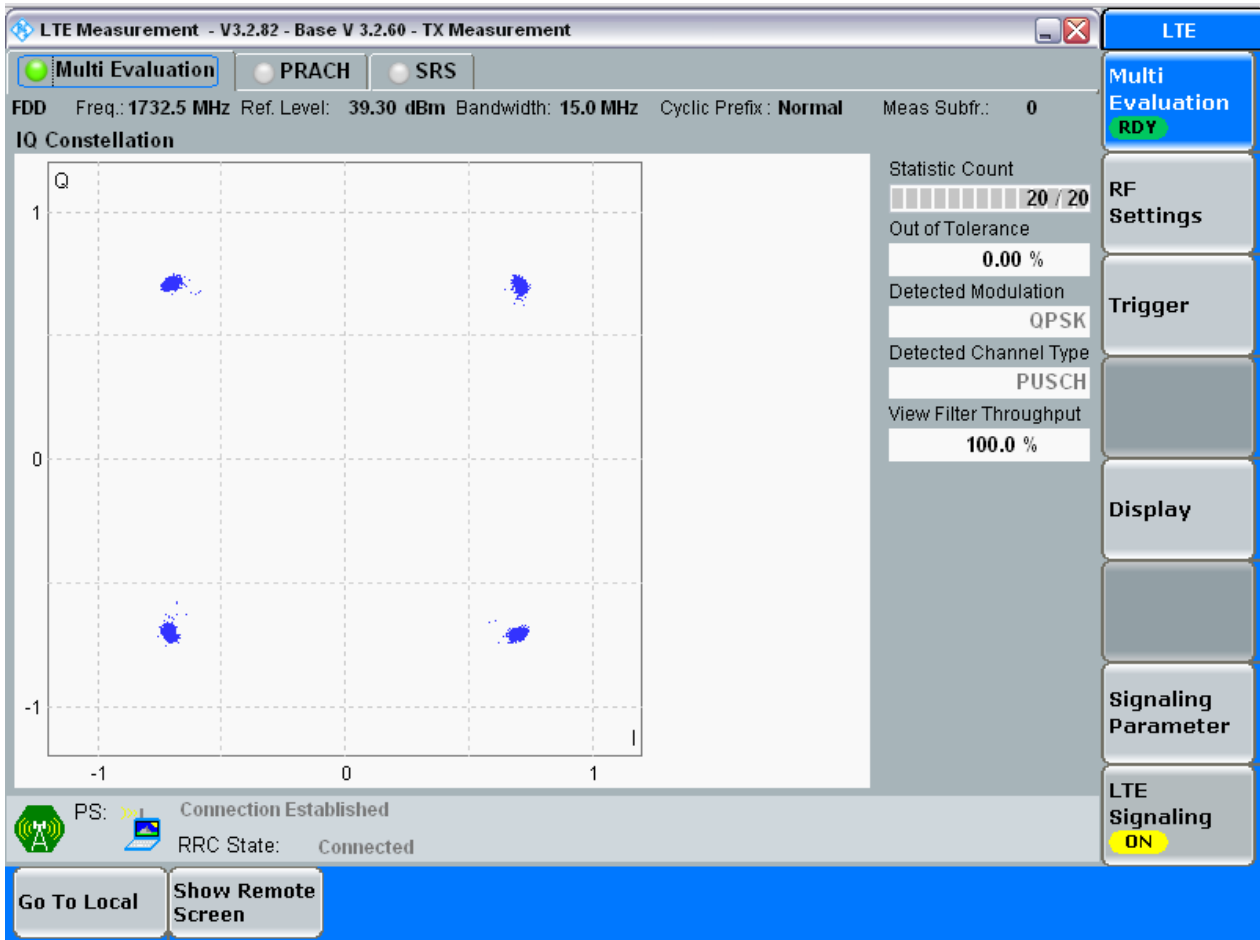
##### 3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

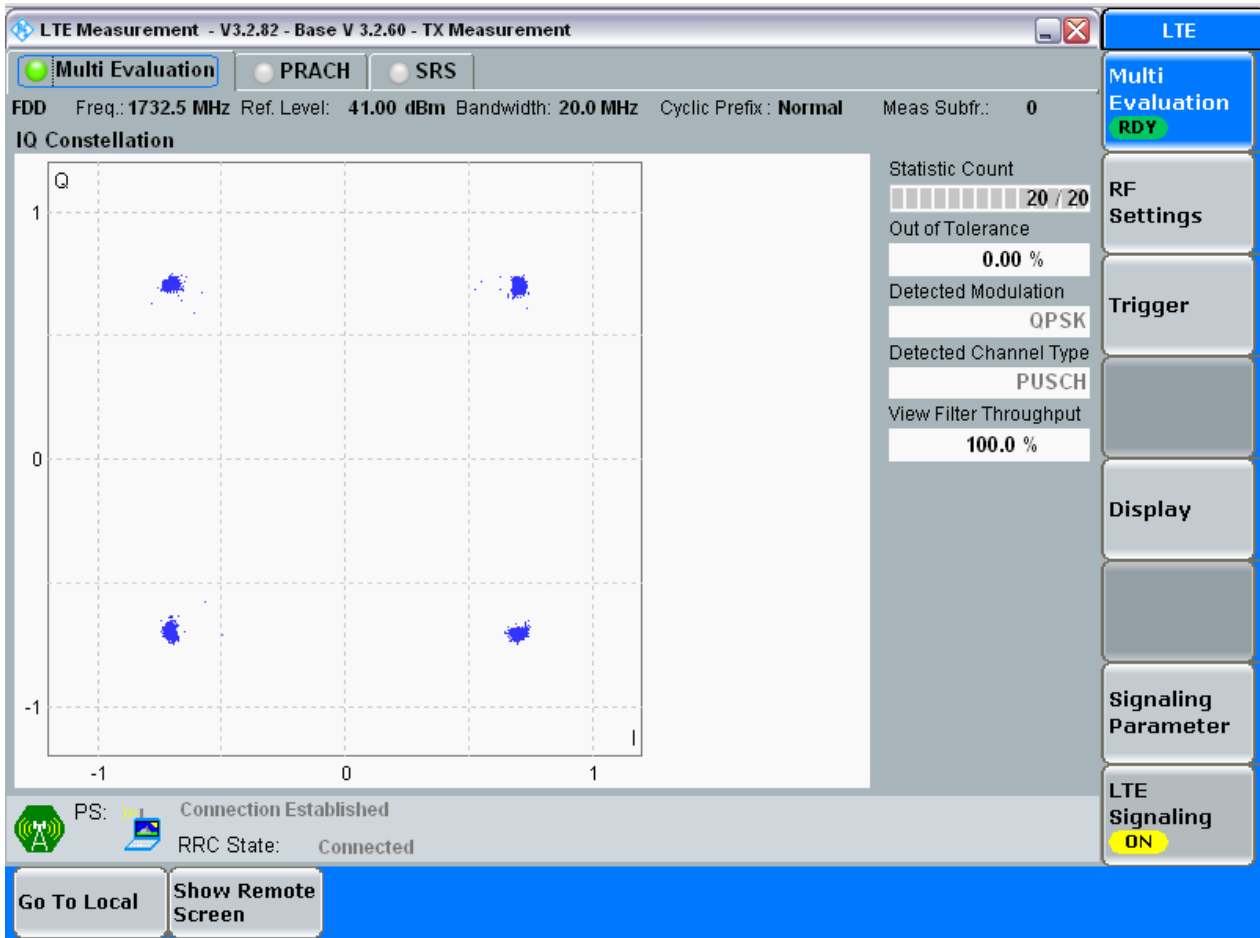
3.1.1.1.5.1.1 Test RB = RB75#0



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

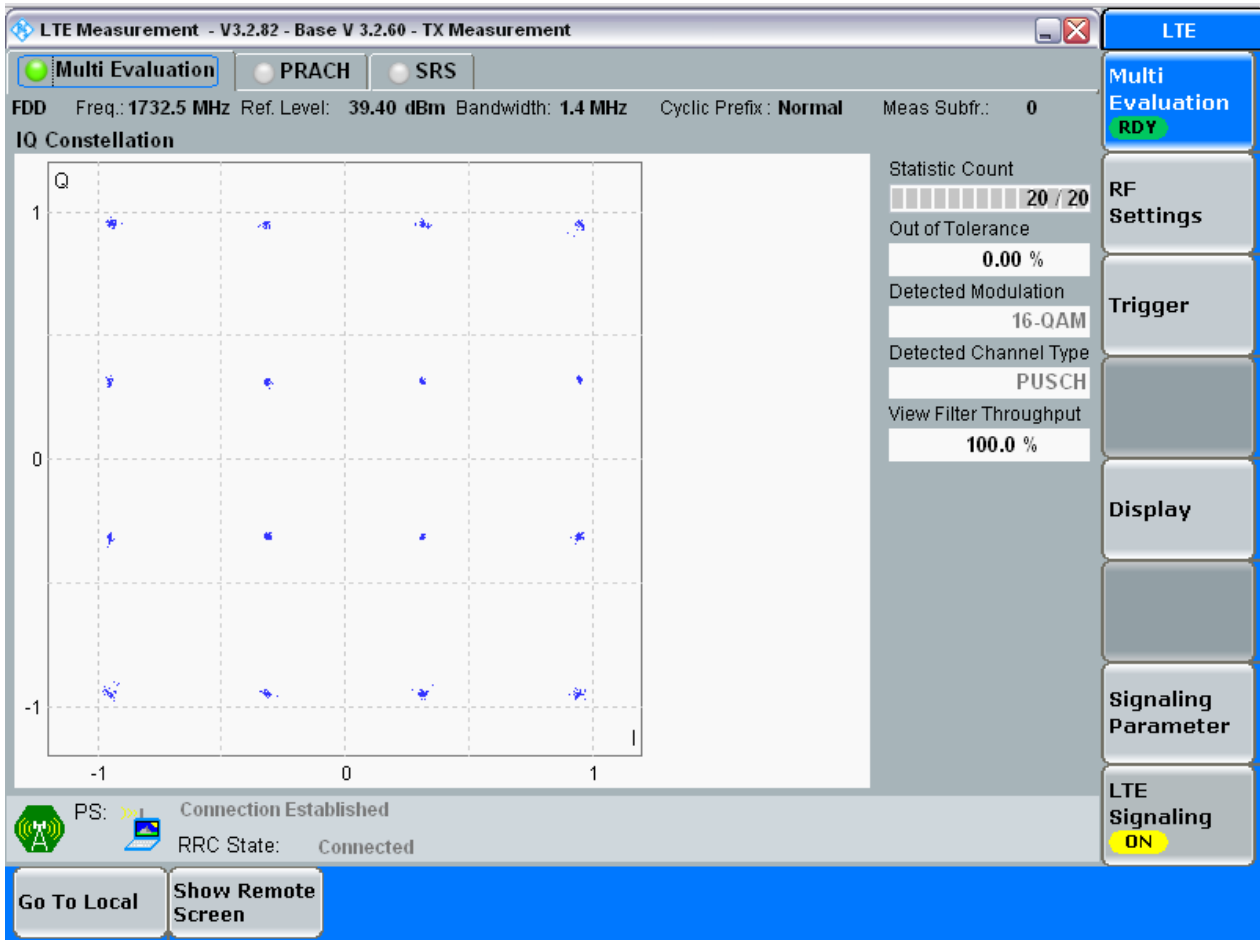


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

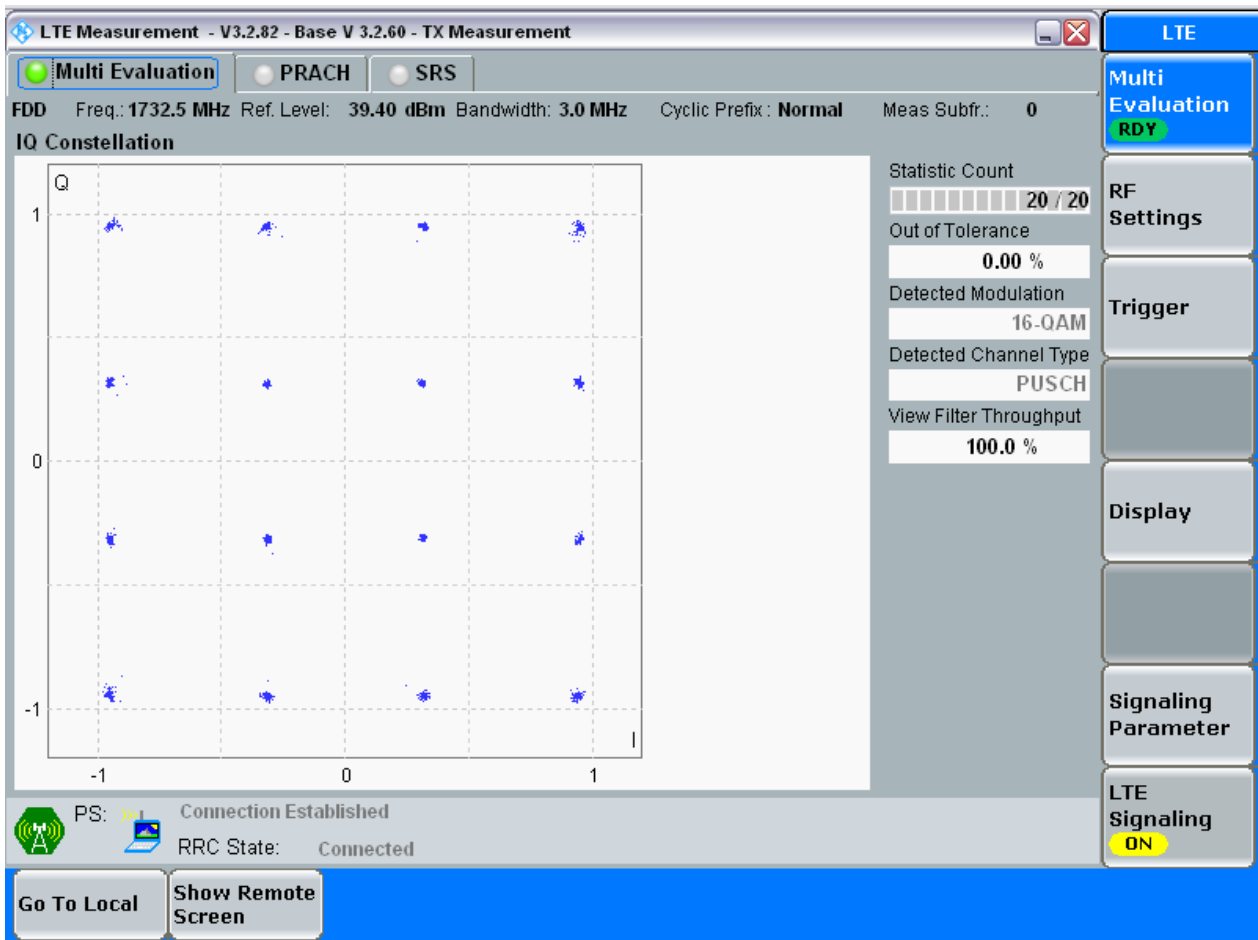
3.1.1.2.1.1.1 Test RB = RB6#0



### 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

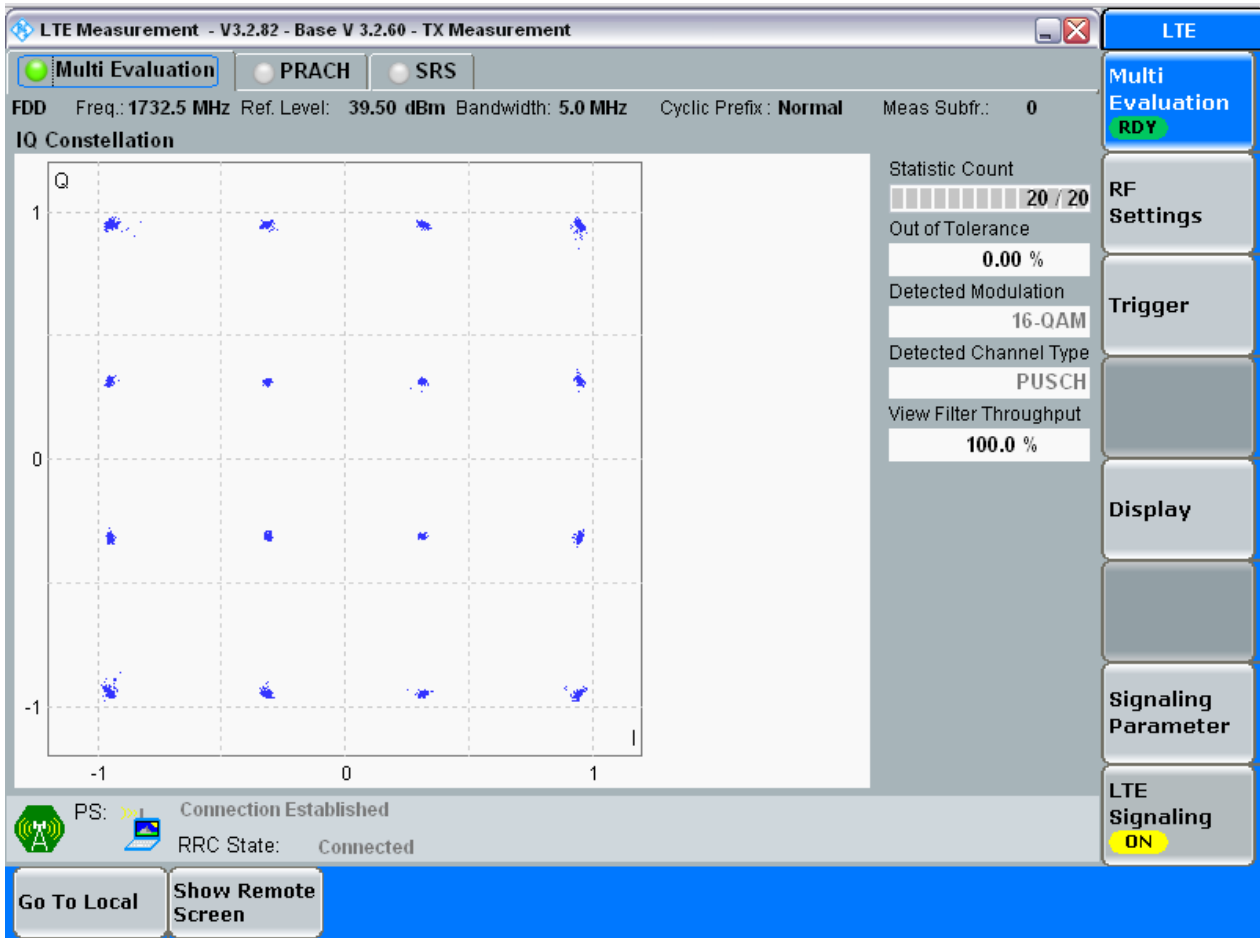




3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

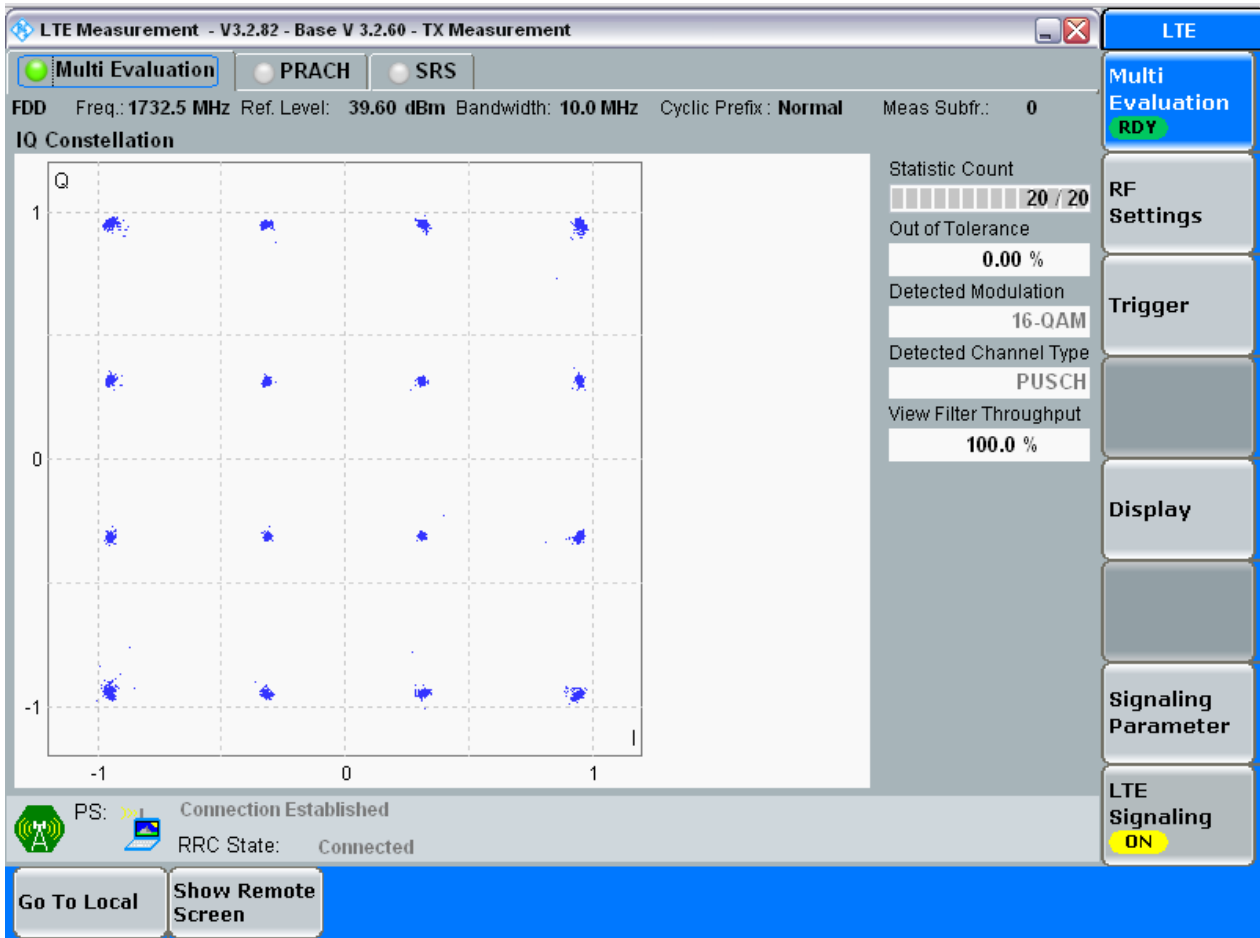
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

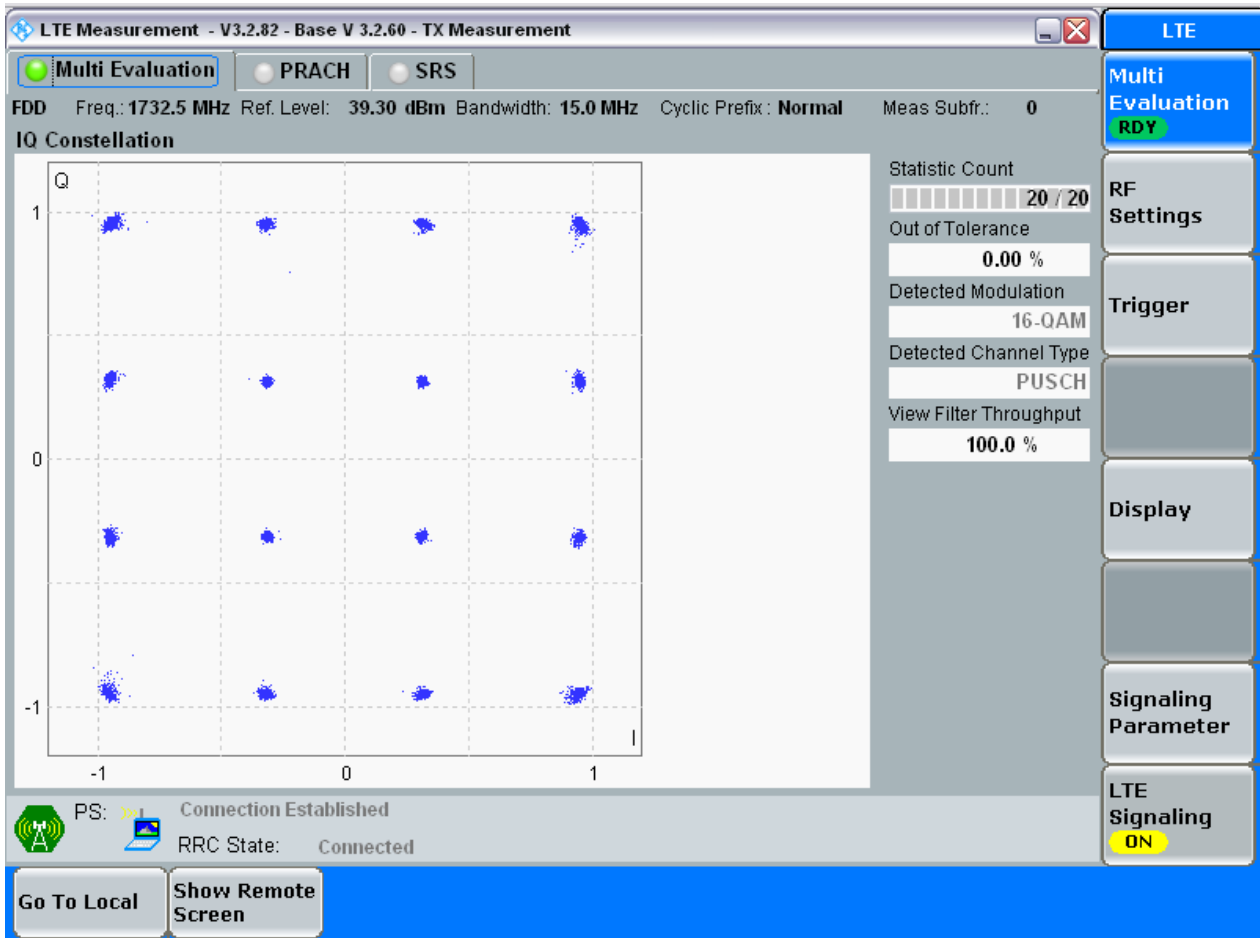
3.1.1.2.4.1.1 Test RB = RB50#0



3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

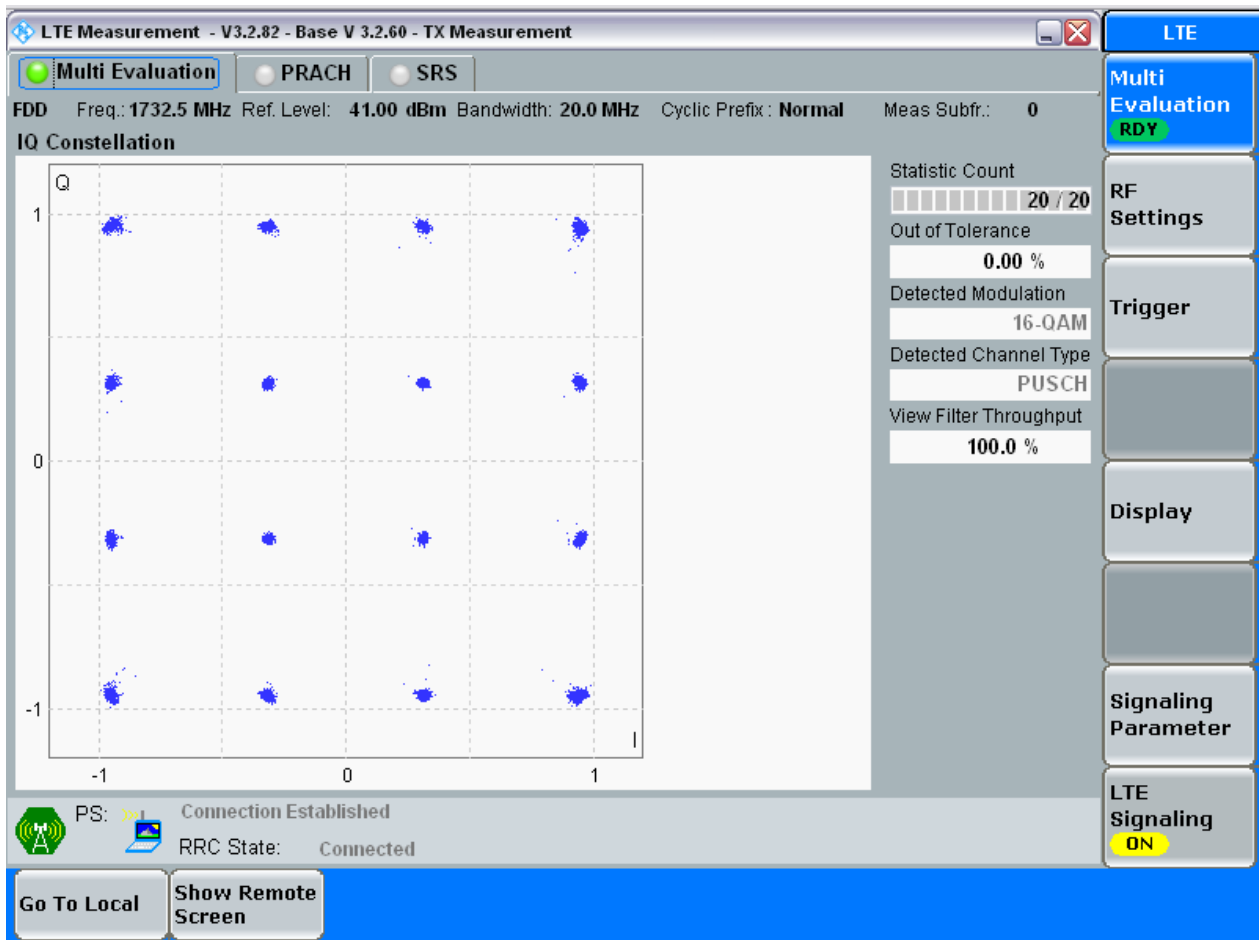
3.1.1.2.5.1.1 Test RB = RB75#0



### 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	1.09	1.26	Pass
			MCH	RB6#0	1.09	1.24	Pass
			HCH	RB6#0	1.09	1.24	Pass
		3	LCH	RB15#0	2.70	2.91	Pass
			MCH	RB15#0	2.70	2.93	Pass
			HCH	RB15#0	2.70	2.92	Pass
		5	LCH	RB25#0	4.51	4.90	Pass
			MCH	RB25#0	4.51	4.91	Pass
			HCH	RB25#0	4.51	4.90	Pass
		10	LCH	RB50#0	8.99	9.62	Pass
			MCH	RB50#0	8.99	9.61	Pass
			HCH	RB50#0	8.99	9.62	Pass
		15	LCH	RB75#0	13.50	14.29	Pass
			MCH	RB75#0	13.50	14.30	Pass
			HCH	RB75#0	13.49	14.34	Pass
	20	LCH	RB100#0	17.97	18.99	Pass	
		MCH	RB100#0	17.96	18.99	Pass	
		HCH	RB100#0	17.97	18.99	Pass	
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.24	Pass
			MCH	RB6#0	1.09	1.25	Pass
			HCH	RB6#0	1.09	1.25	Pass
		3	LCH	RB15#0	2.70	2.91	Pass
			MCH	RB15#0	2.70	2.92	Pass
			HCH	RB15#0	2.70	2.92	Pass
		5	LCH	RB25#0	4.52	4.89	Pass
			MCH	RB25#0	4.51	4.90	Pass
			HCH	RB25#0	4.51	4.88	Pass
10		LCH	RB50#0	8.99	9.61	Pass	
		MCH	RB50#0	8.98	9.61	Pass	
		HCH	RB50#0	8.99	9.64	Pass	
15	LCH	RB75#0	13.49	14.29	Pass		
	MCH	RB75#0	13.48	14.31	Pass		
	HCH	RB75#0	13.48	14.28	Pass		
20	LCH	RB100#0	17.98	19.02	Pass		
	MCH	RB100#0	17.97	19.00	Pass		
	HCH	RB100#0	17.98	18.99	Pass		



Part II - Test Plots

4.1 For LTE

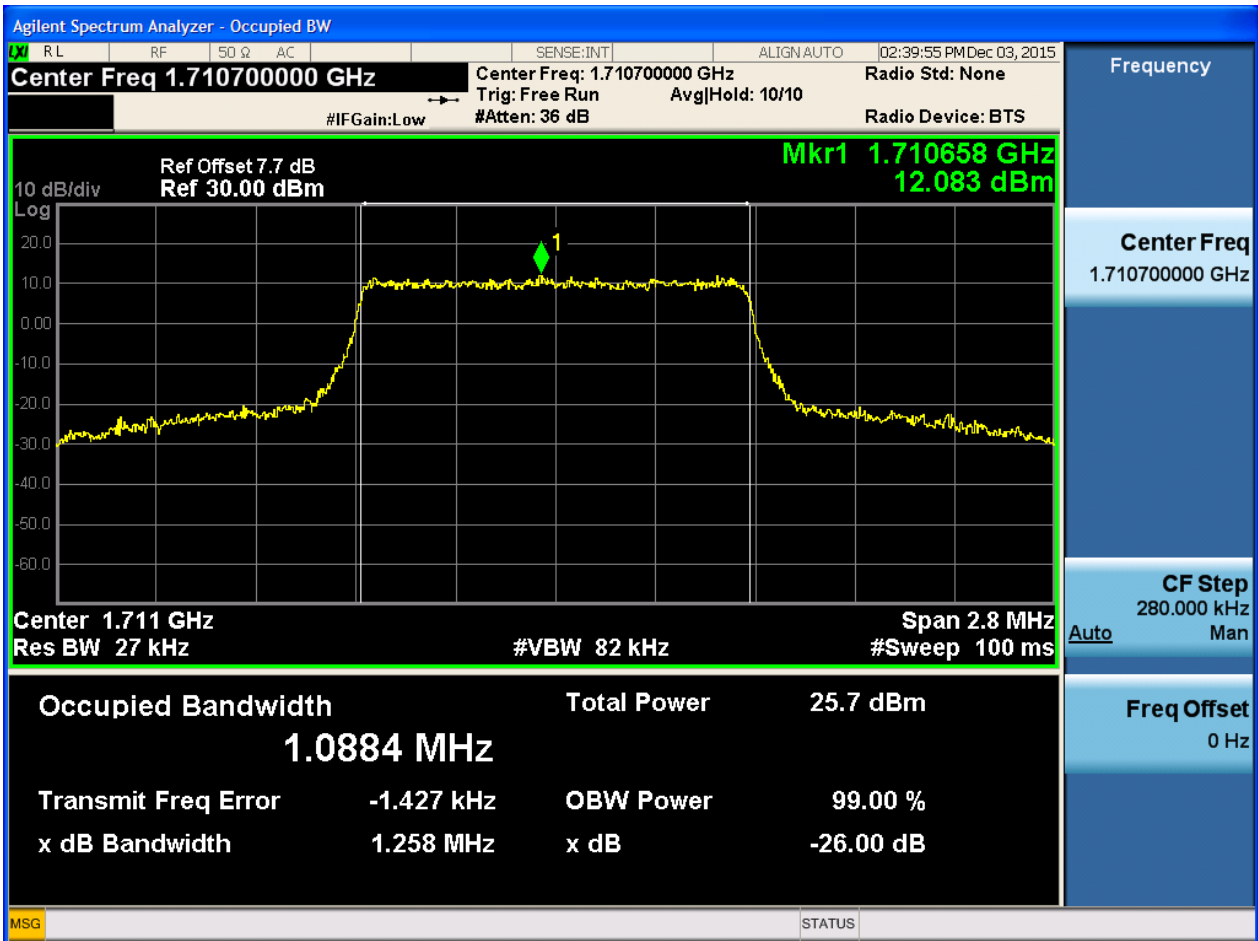
4.1.1 Test Band = BAND4

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

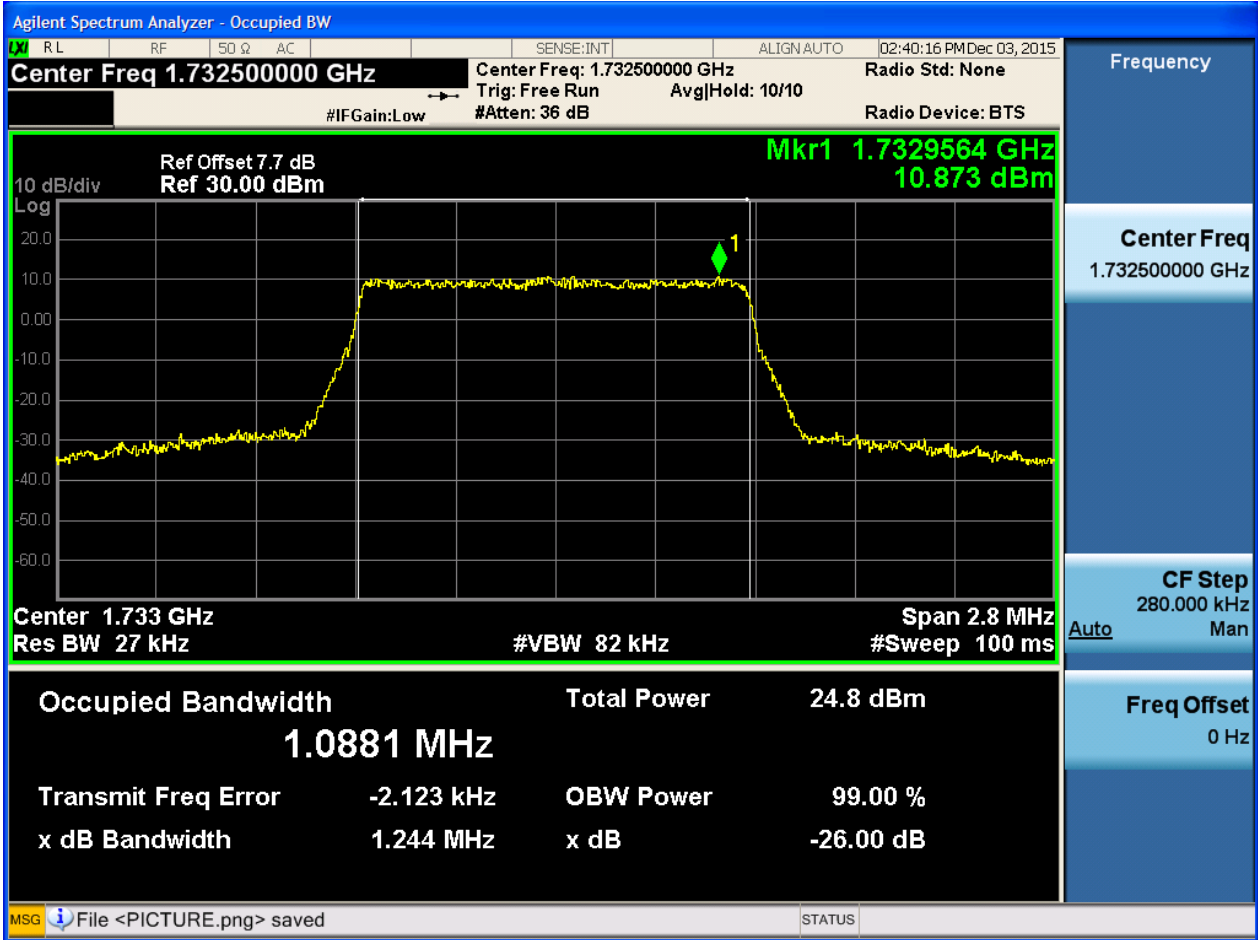
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

4.1.1.1.1.2.1 Test RB = RB6#0

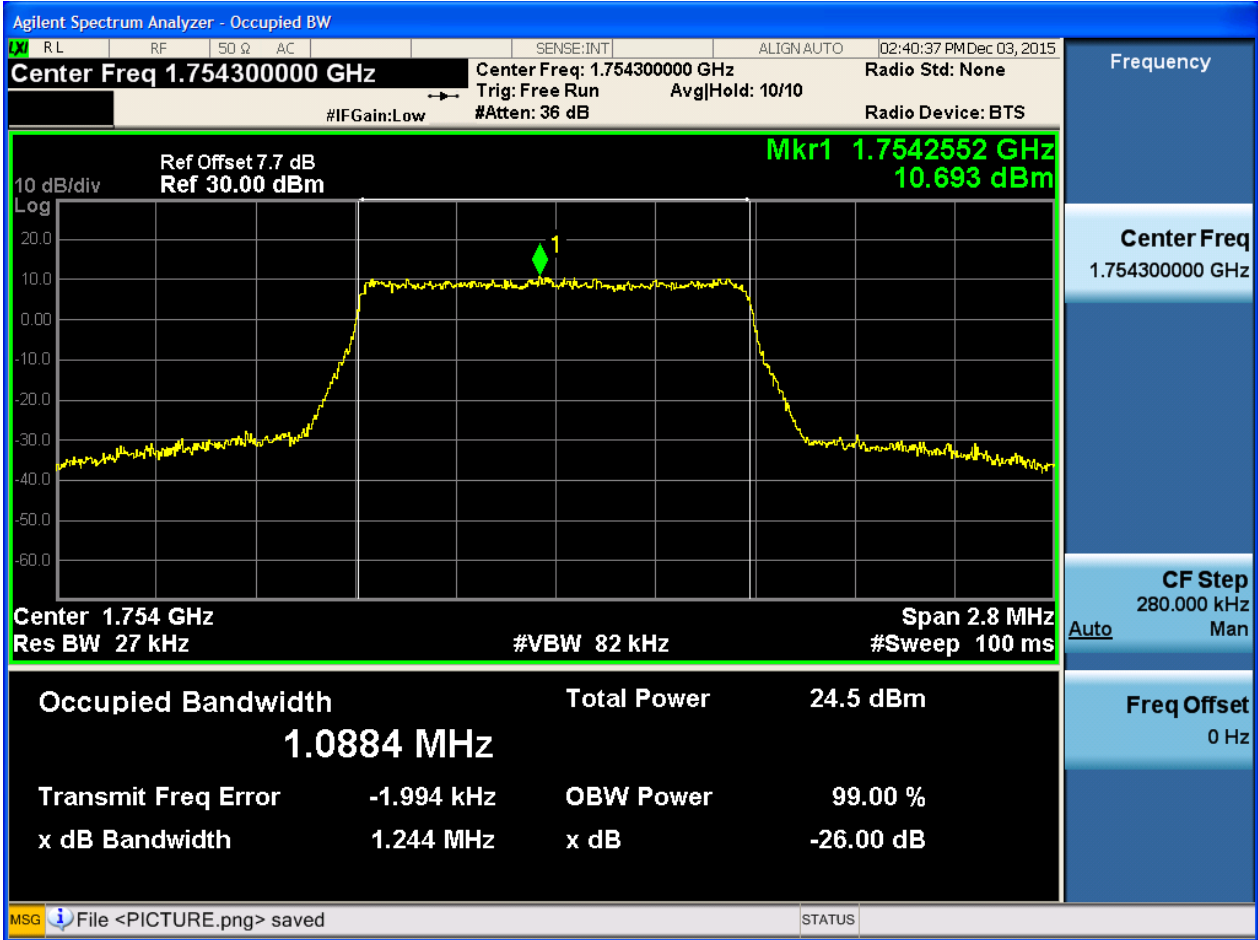






4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

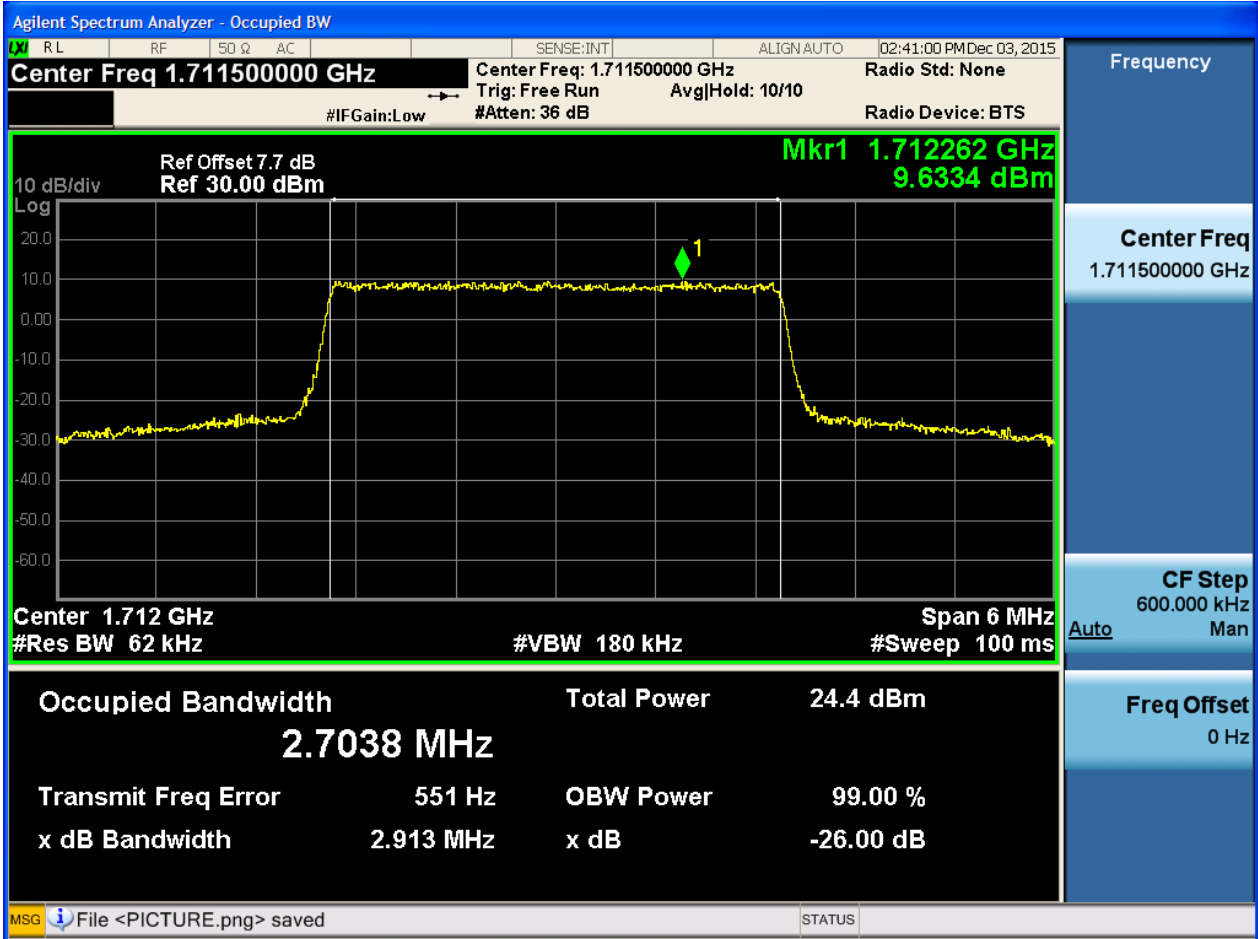




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

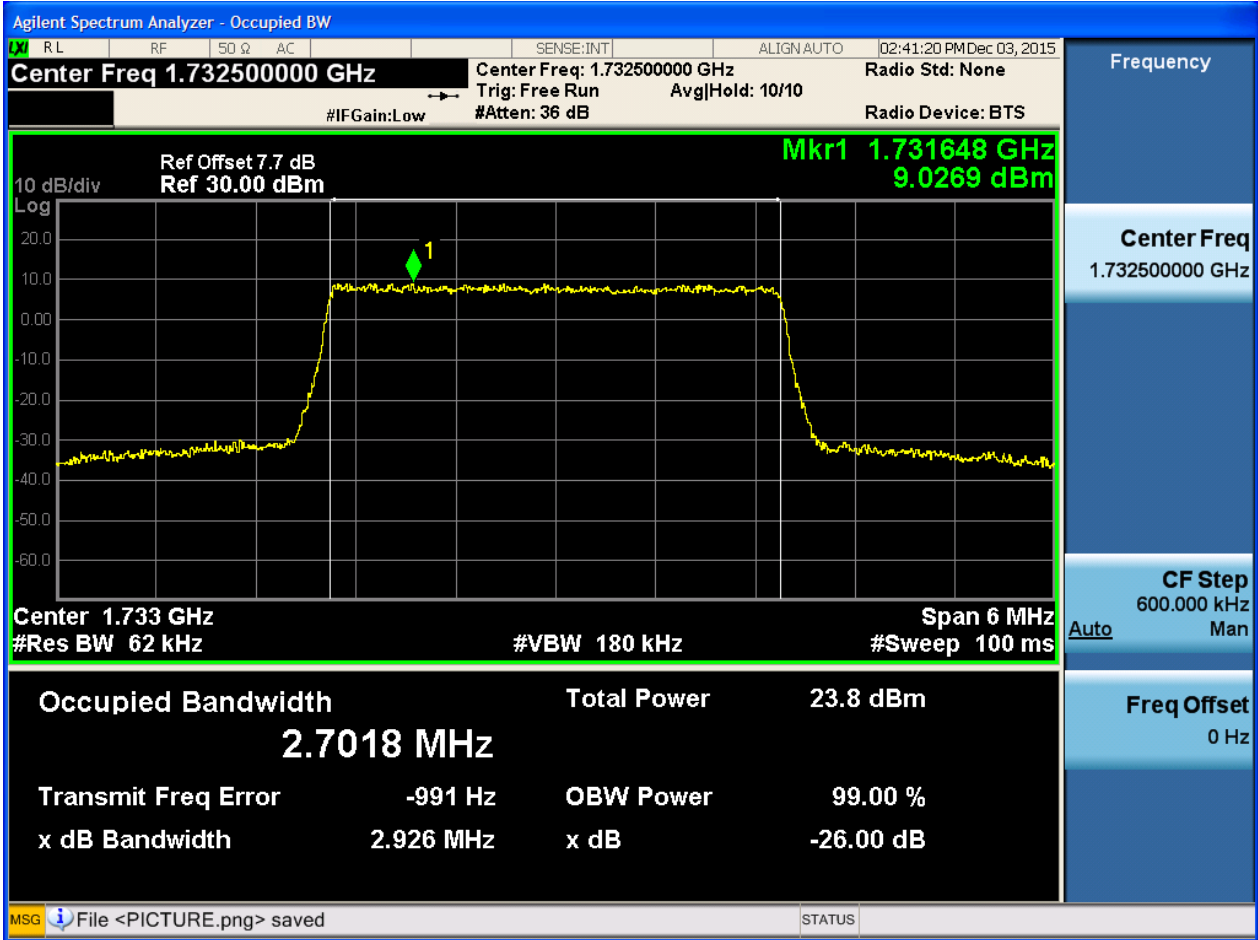
4.1.1.1.2.1.1 Test RB = RB15#0





4.1.1.1.2.2 Test Channel = MCH

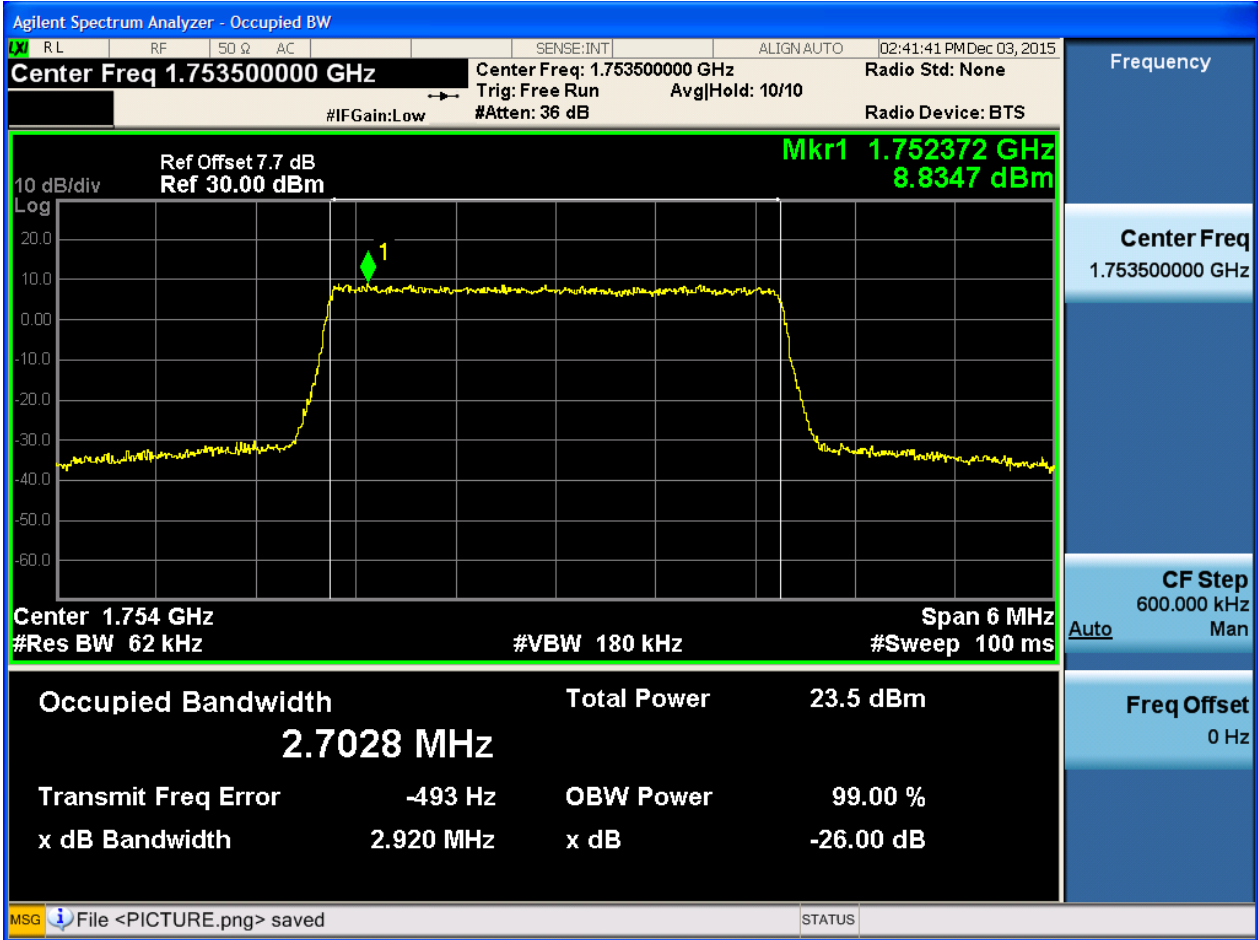
4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

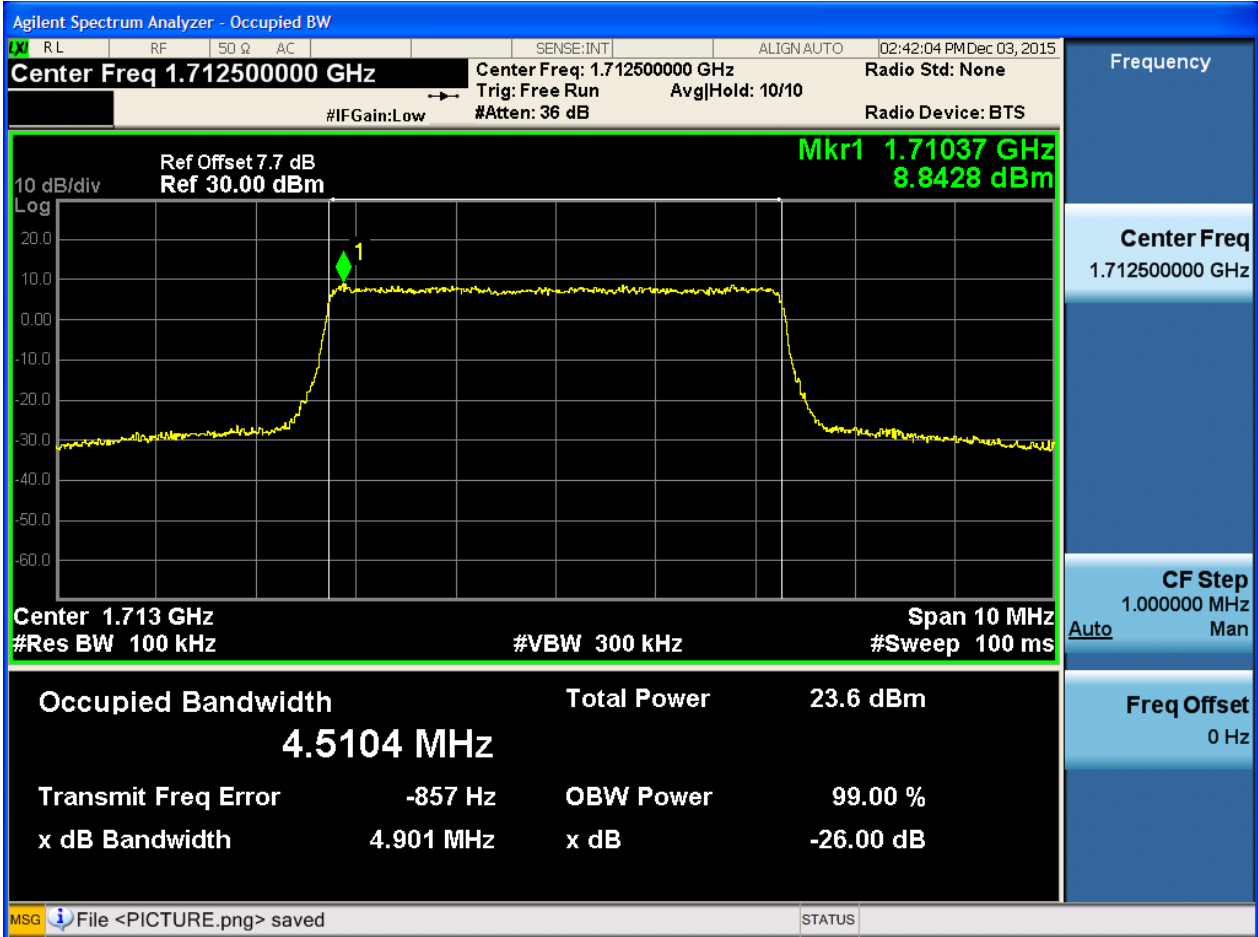




4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

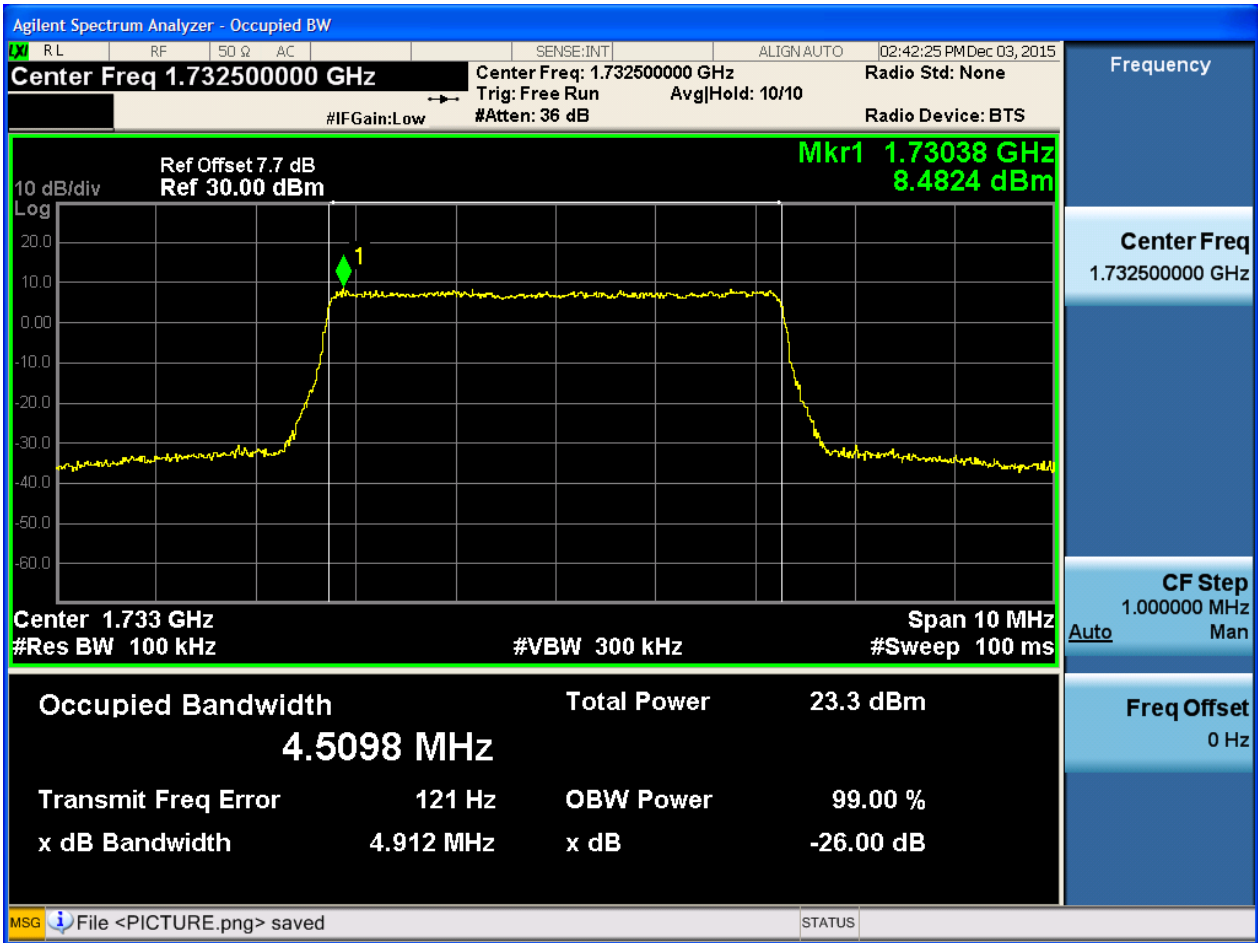
4.1.1.1.3.1.1 Test RB = RB25#0





4.1.1.1.3.2 Test Channel = MCH

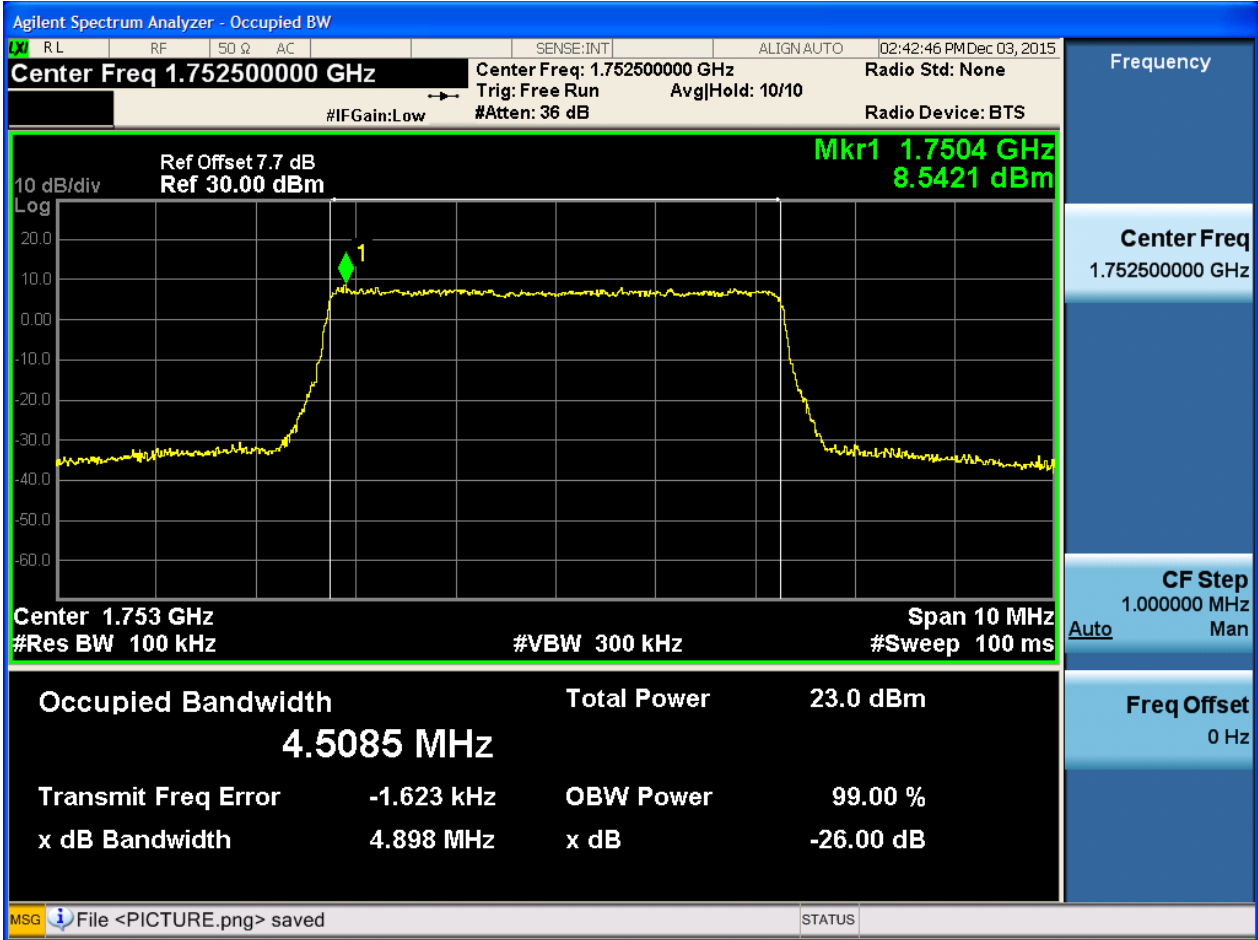
4.1.1.1.3.2.1 Test RB = RB25#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

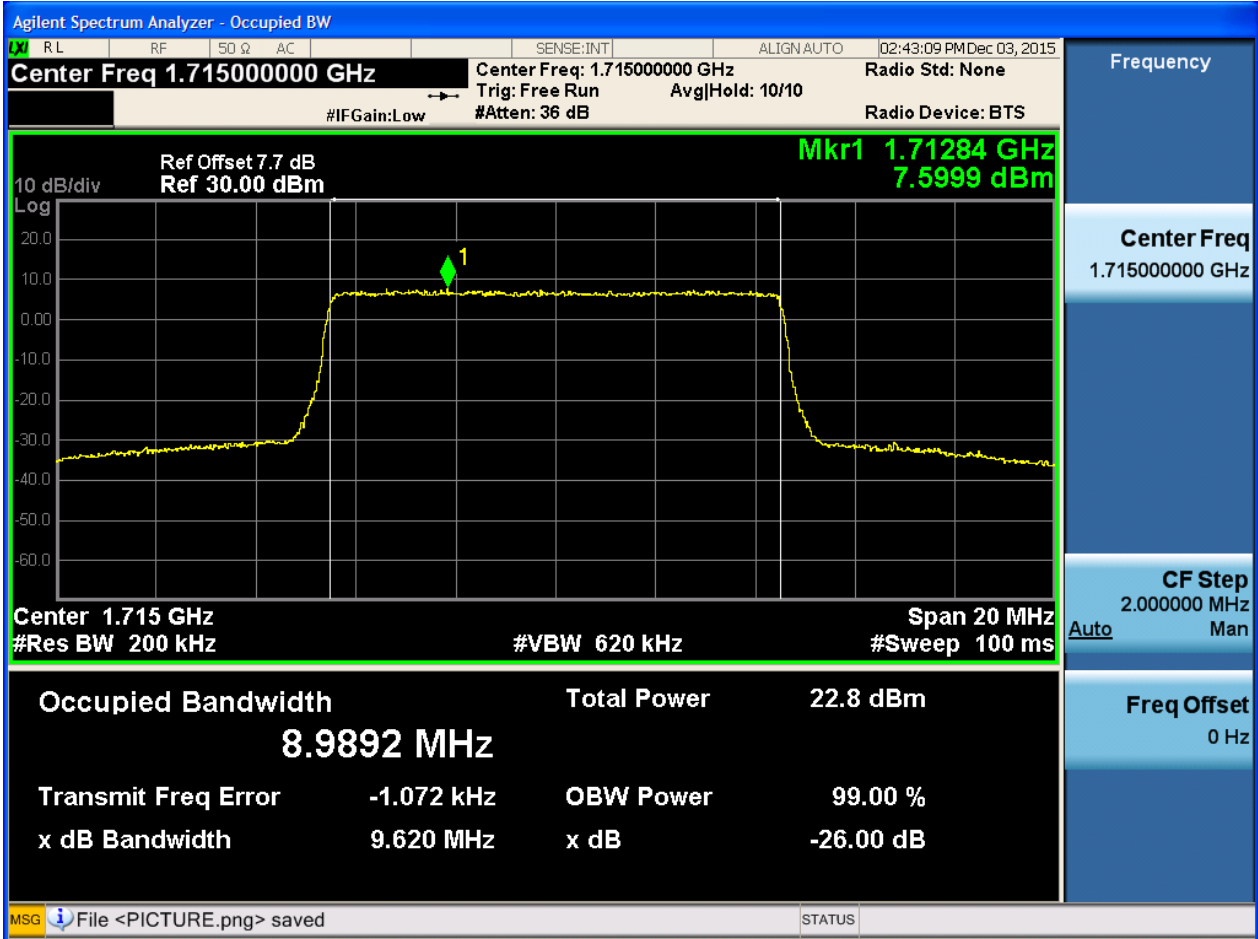




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB50#0

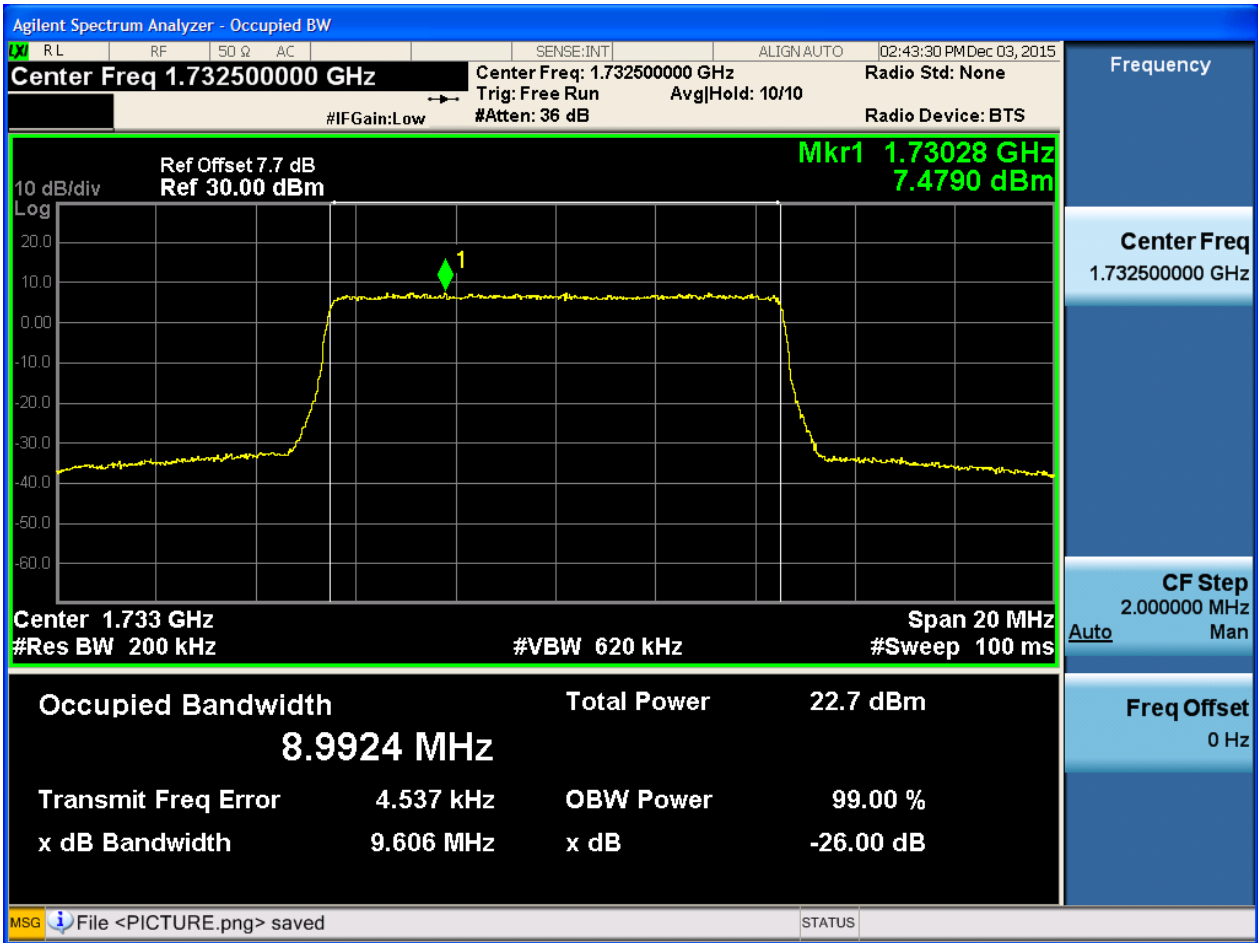






4.1.1.1.4.2 Test Channel = MCH

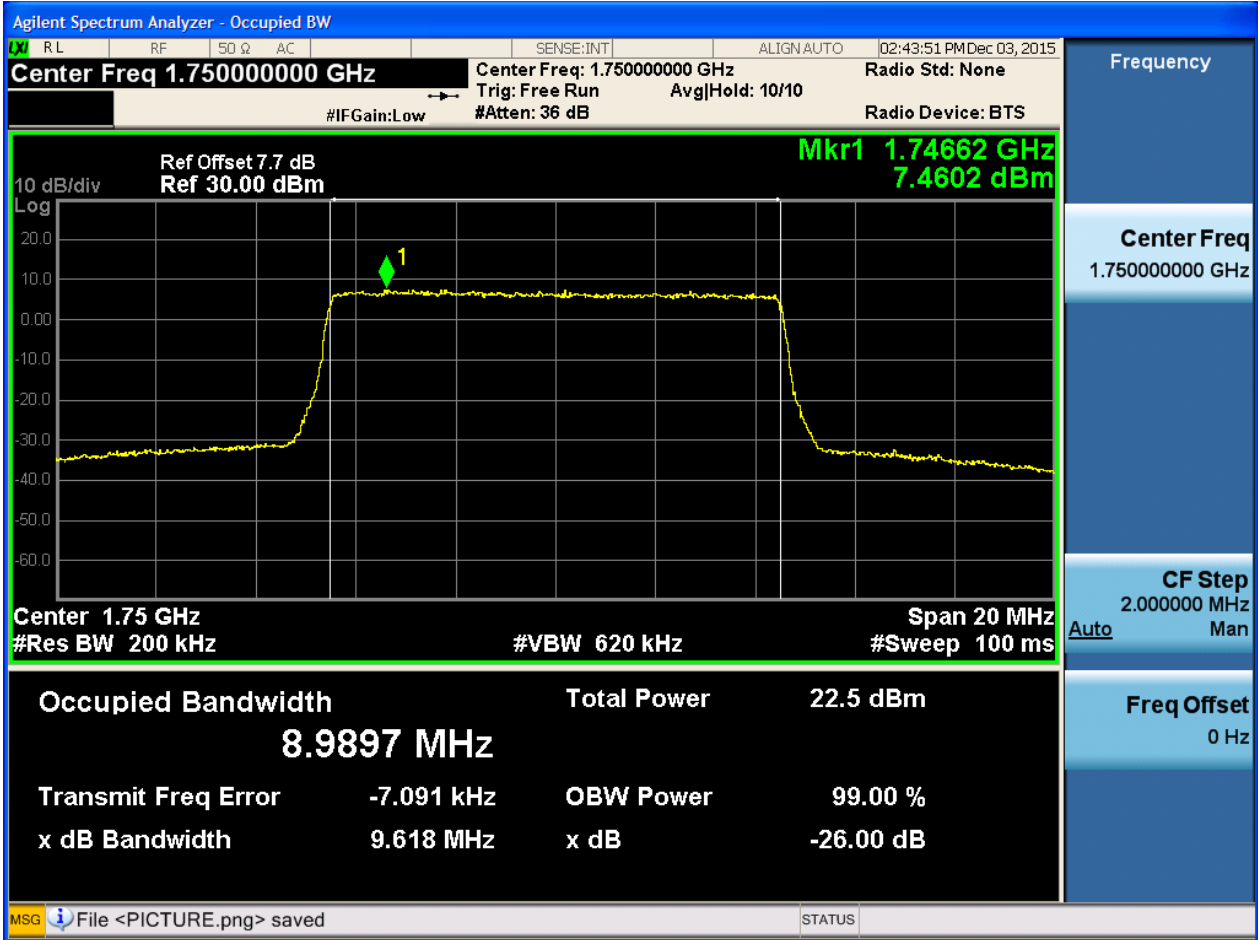
4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0

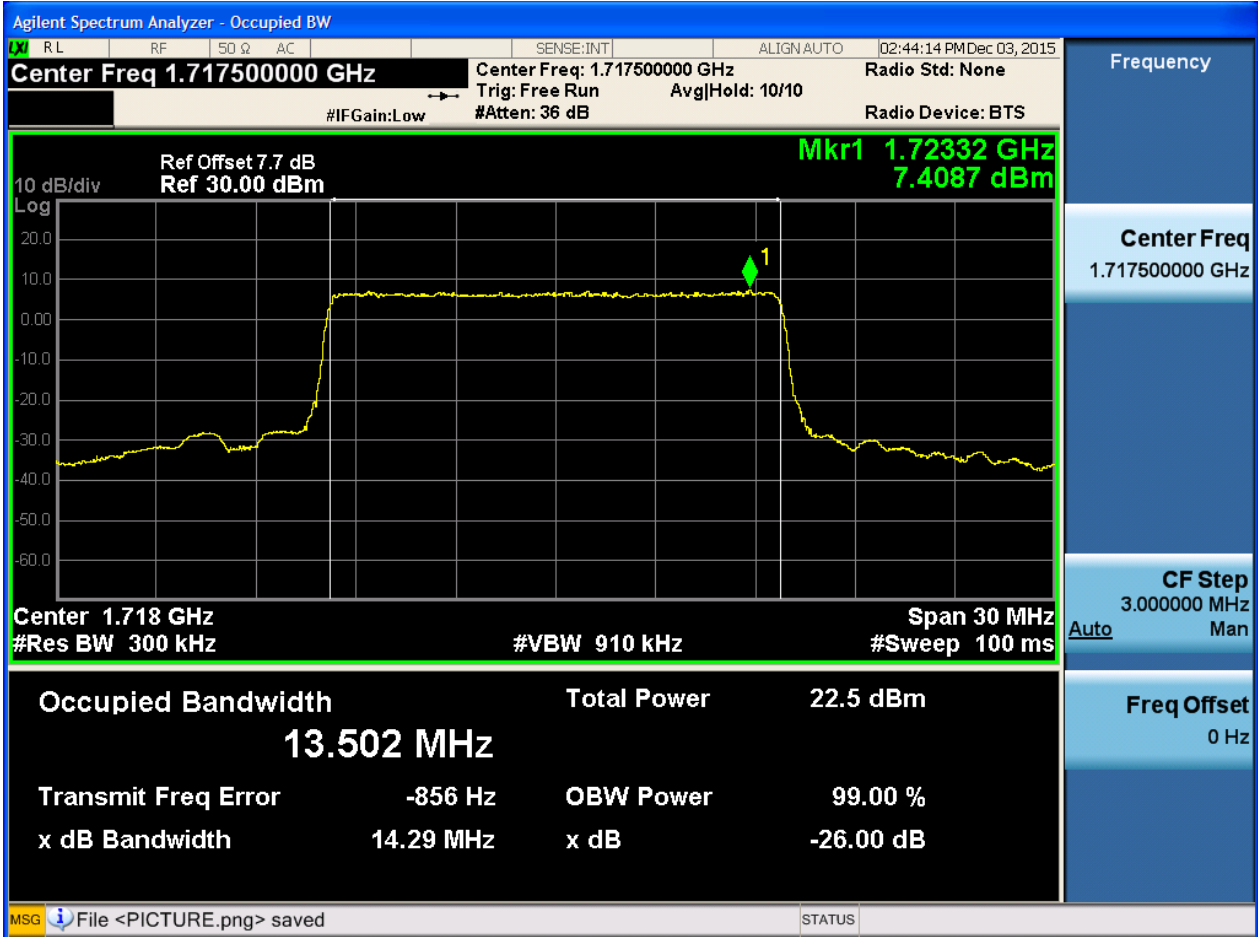




4.1.1.1.5 Test Bandwidth = 15

4.1.1.1.5.1 Test Channel = LCH

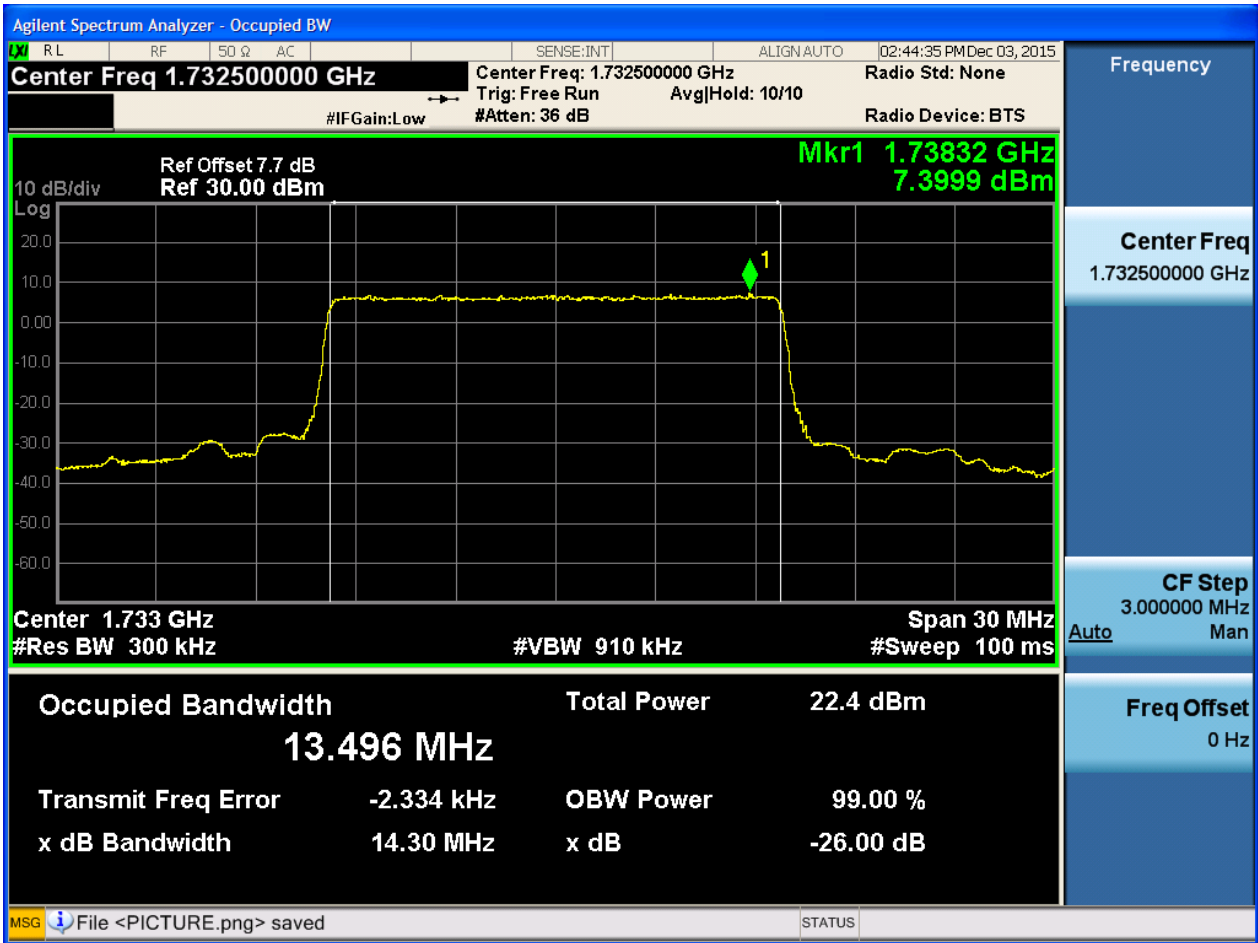
4.1.1.1.5.1.1 Test RB = RB75#0





4.1.1.1.5.2 Test Channel = MCH

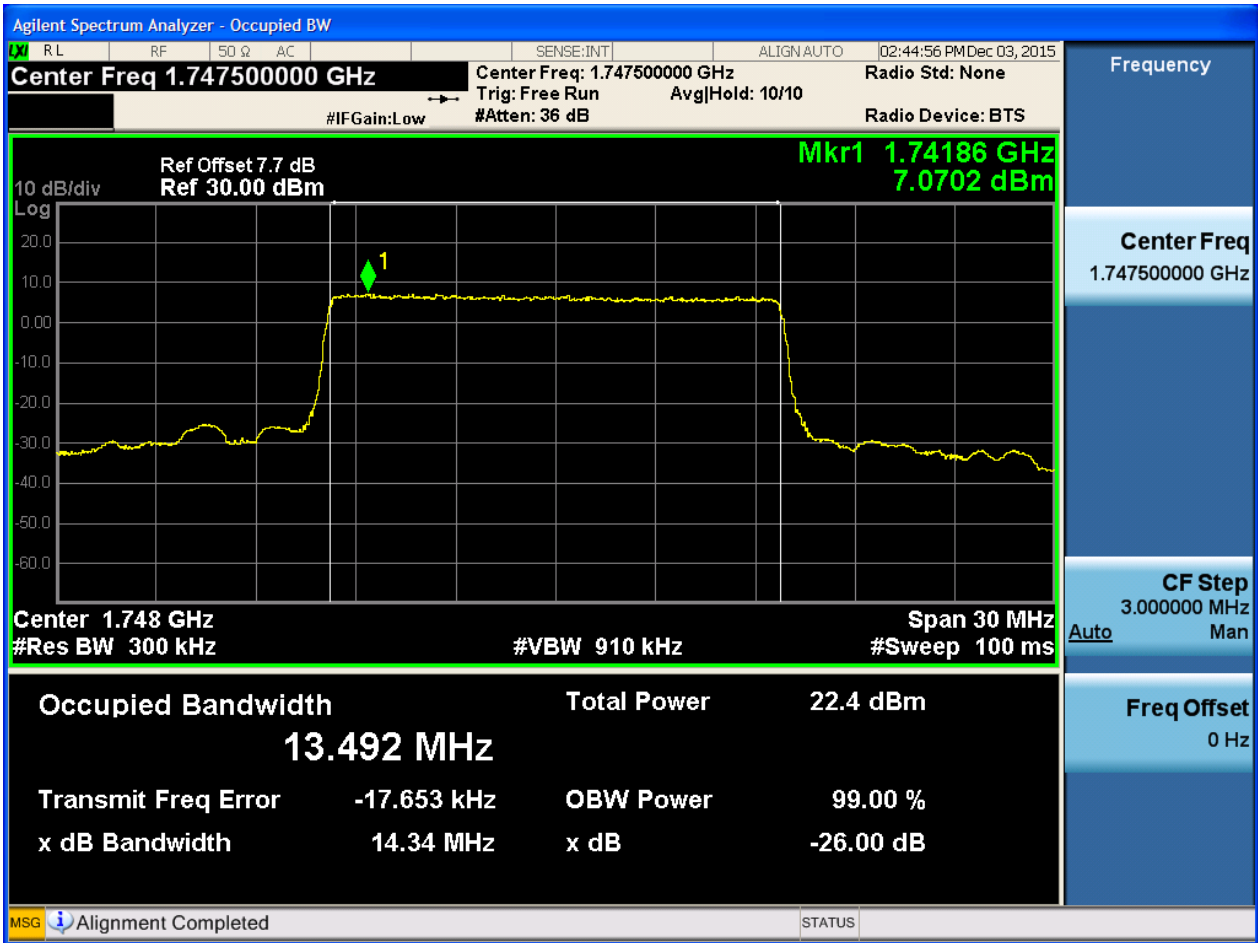
4.1.1.1.5.2.1 Test RB = RB75#0





4.1.1.1.5.3 Test Channel = HCH

4.1.1.1.5.3.1 Test RB = RB75#0

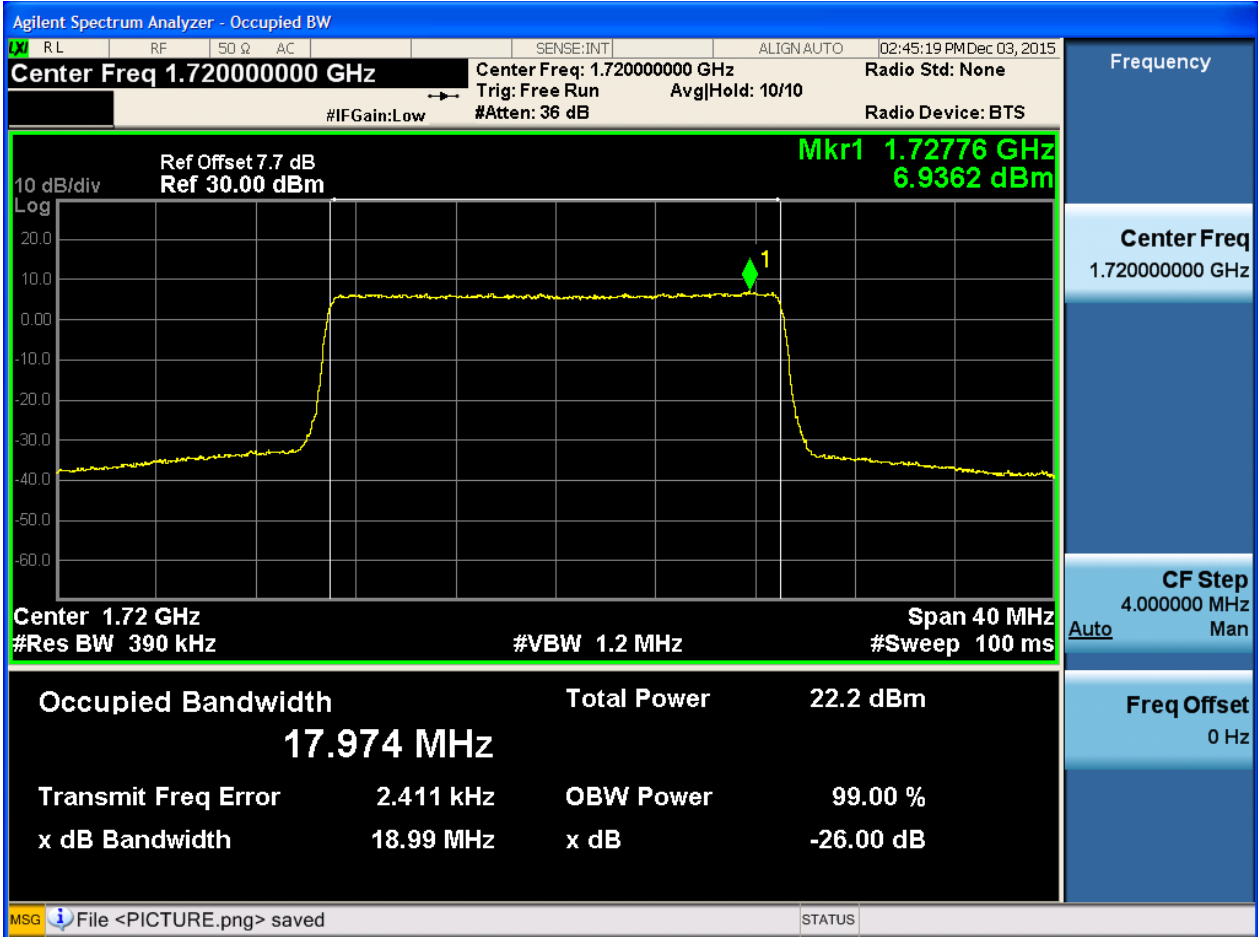




4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

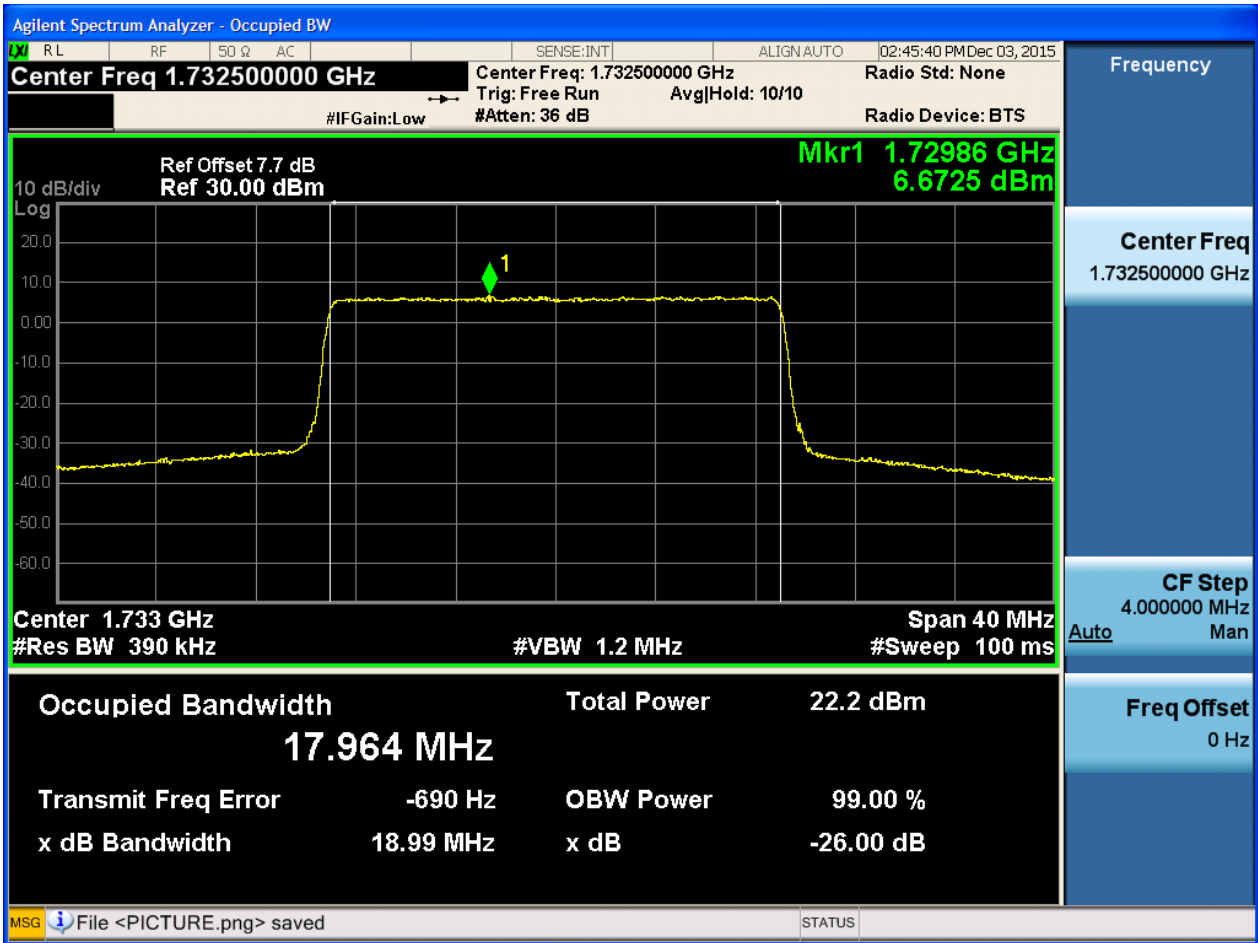
4.1.1.1.6.1.1 Test RB = RB100#0





4.1.1.1.6.2 Test Channel = MCH

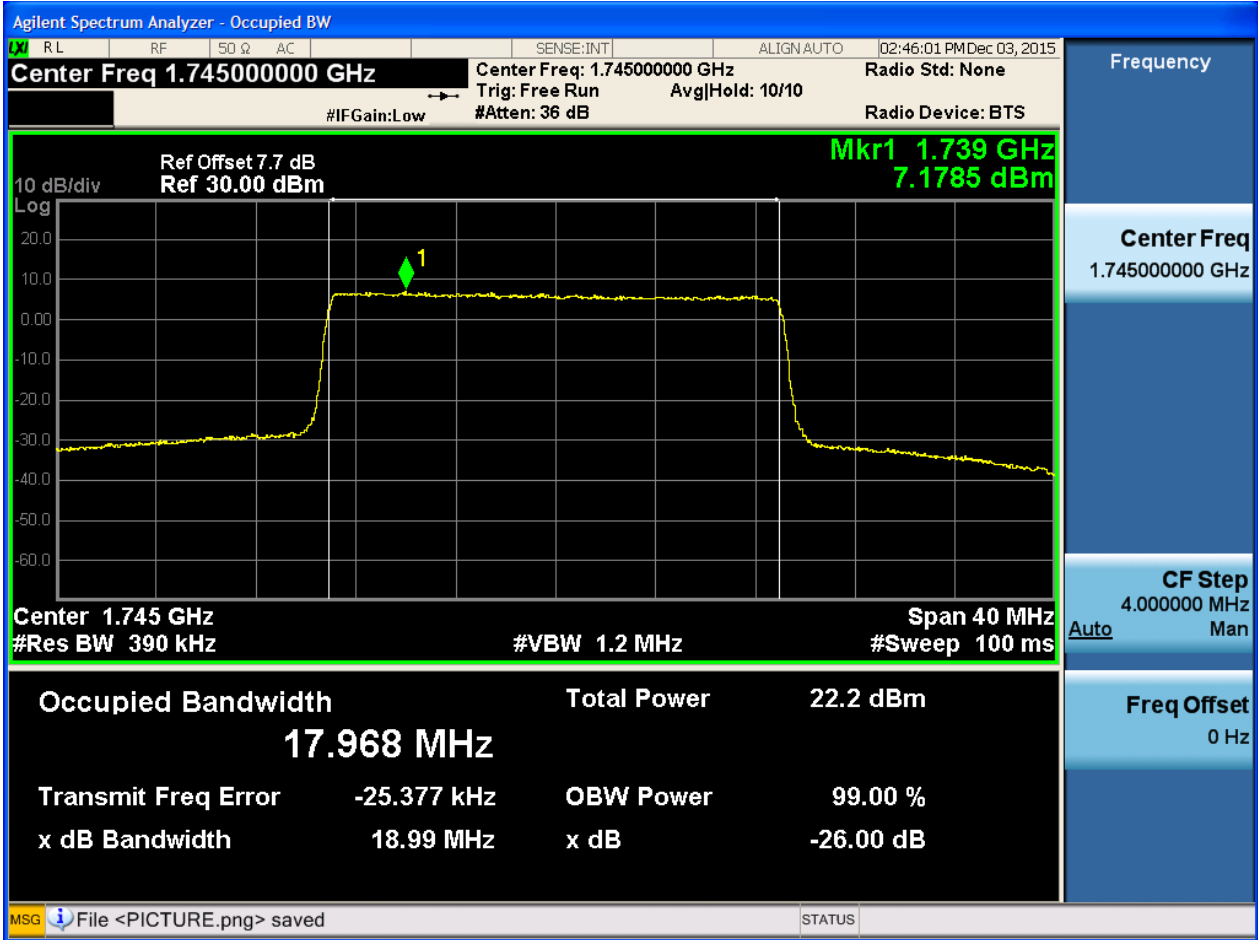
4.1.1.1.6.2.1 Test RB = RB100#0





4.1.1.1.6.3 Test Channel = HCH

4.1.1.1.6.3.1 Test RB = RB100#0





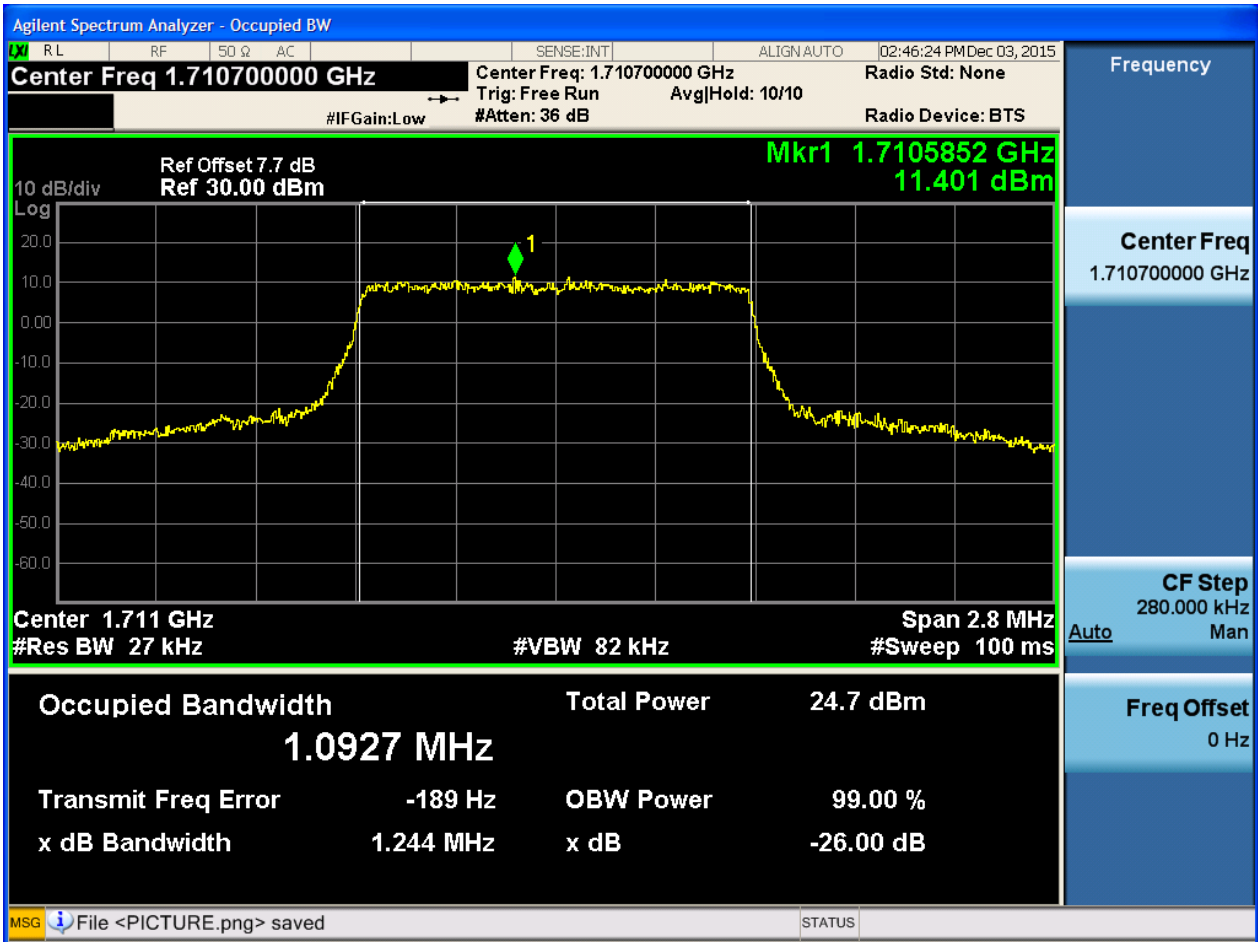


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

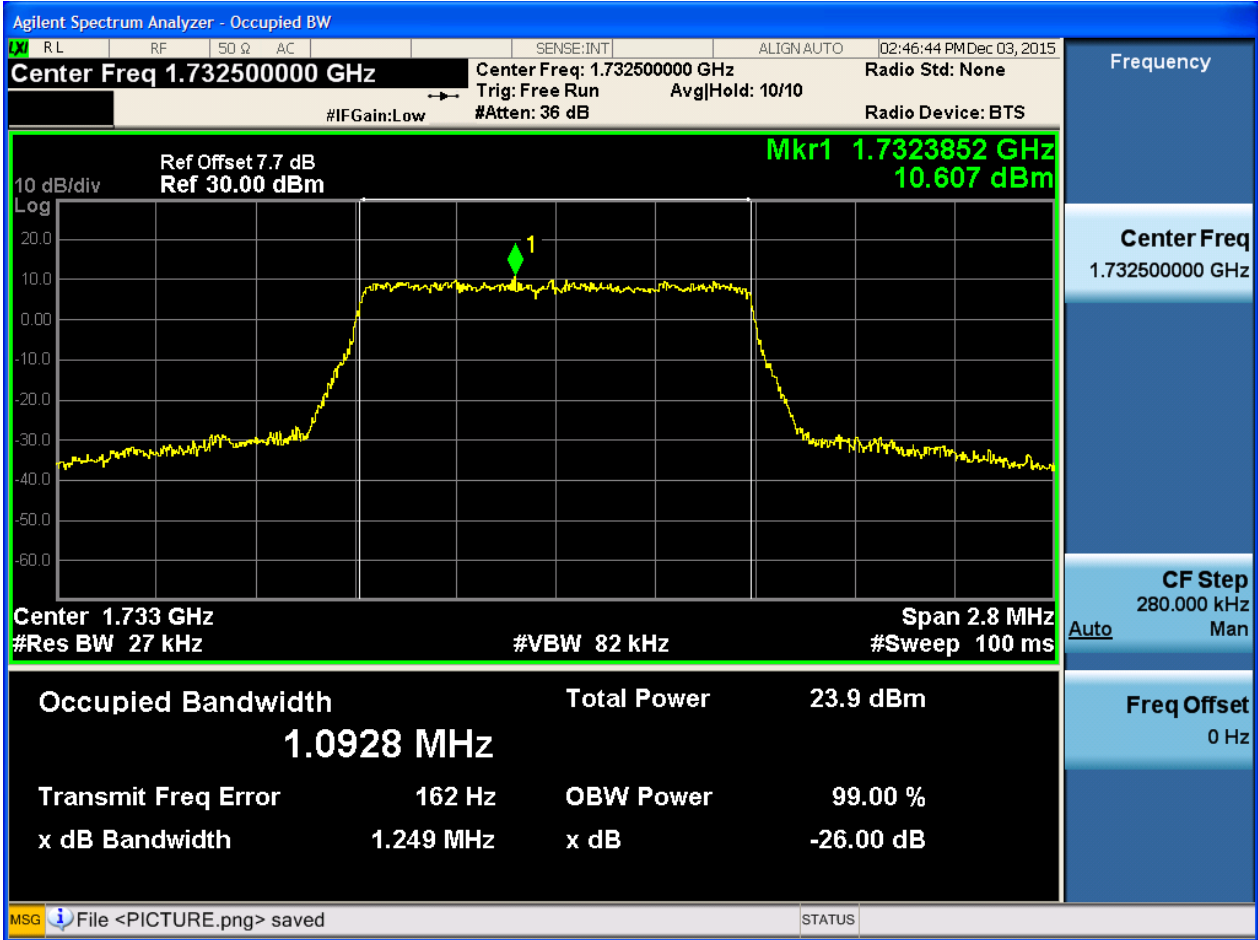
4.1.1.2.1.1.1 Test RB = RB6#0





4.1.1.2.1.2 Test Channel = MCH

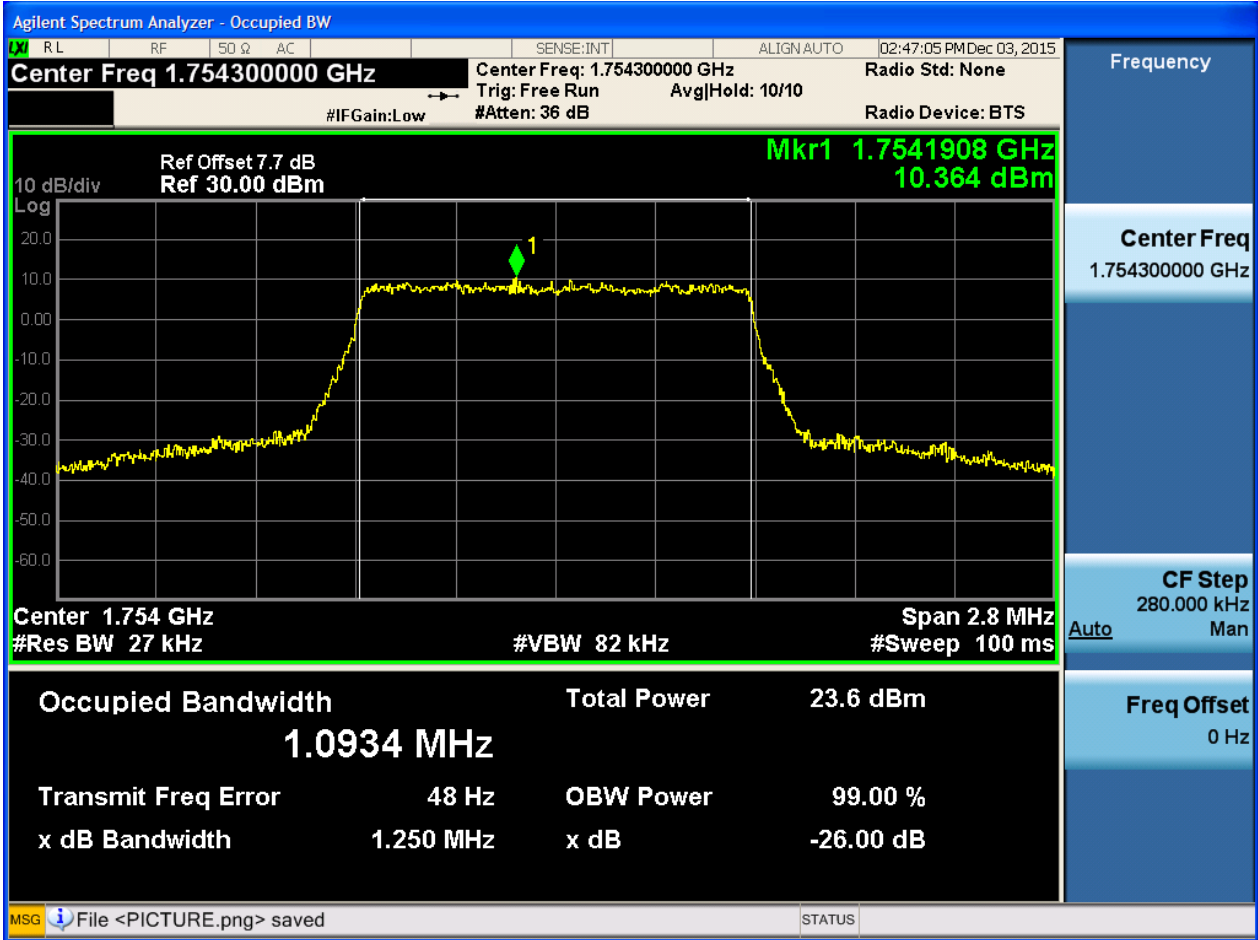
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

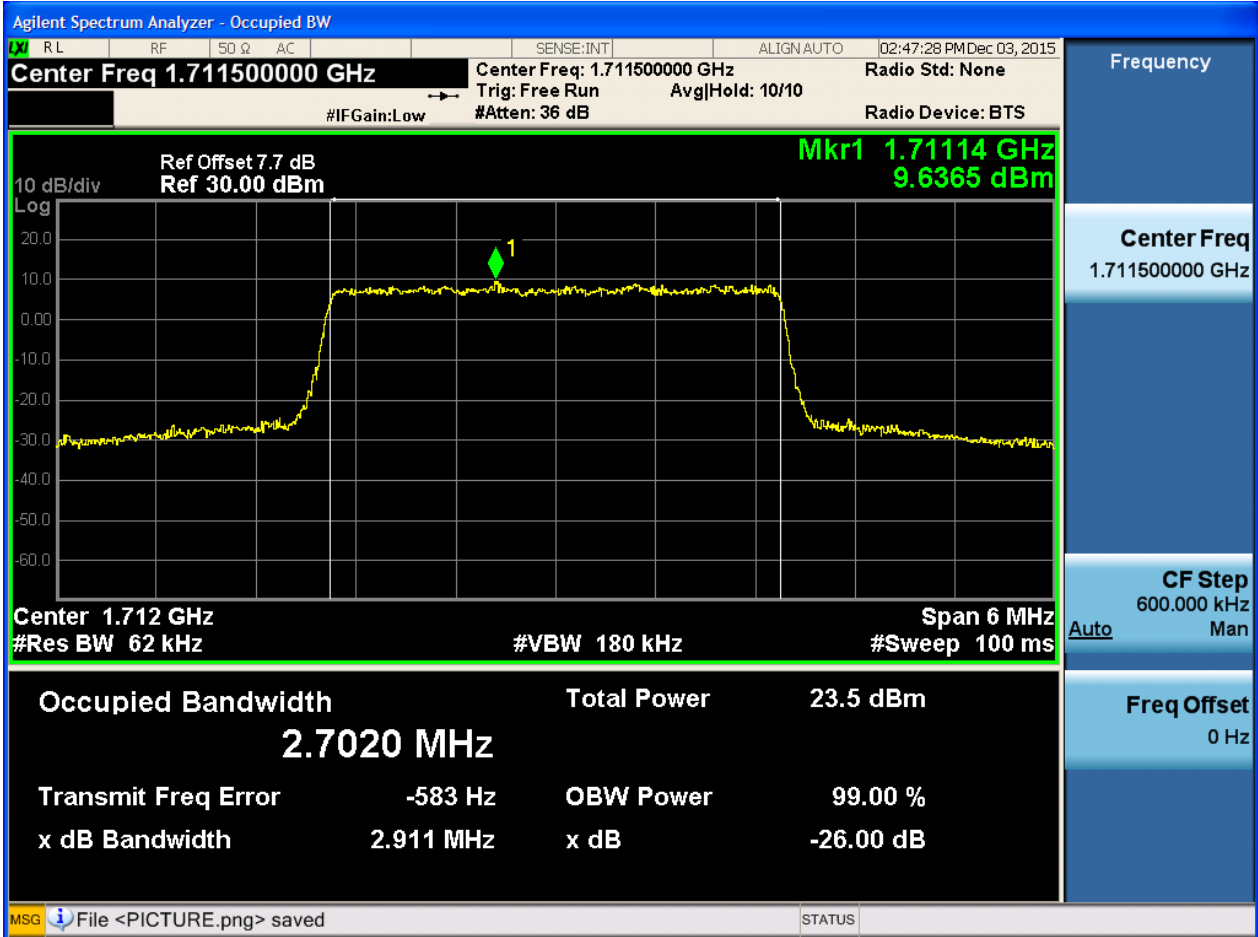




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

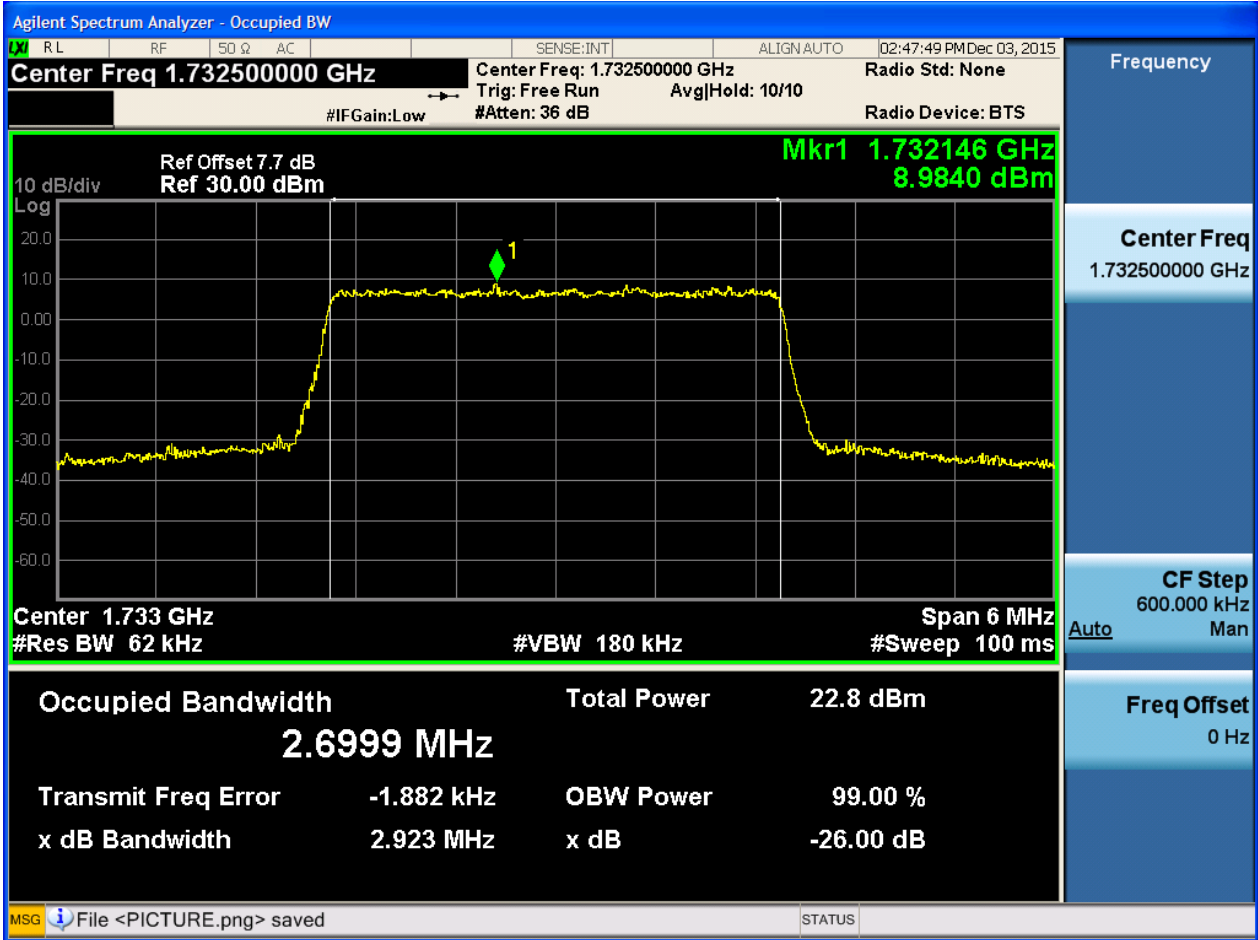
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2.2 Test Channel = MCH

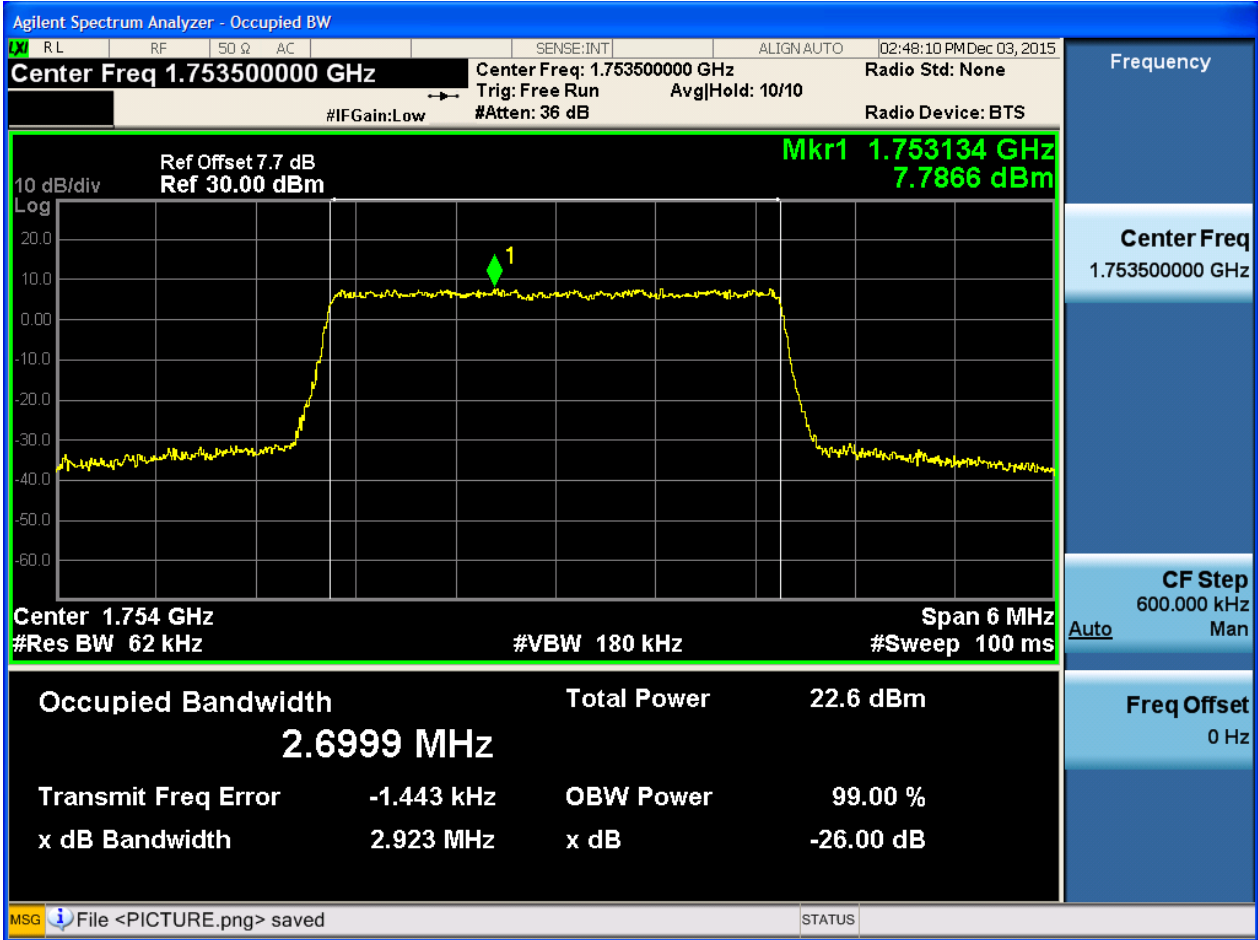
4.1.1.2.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

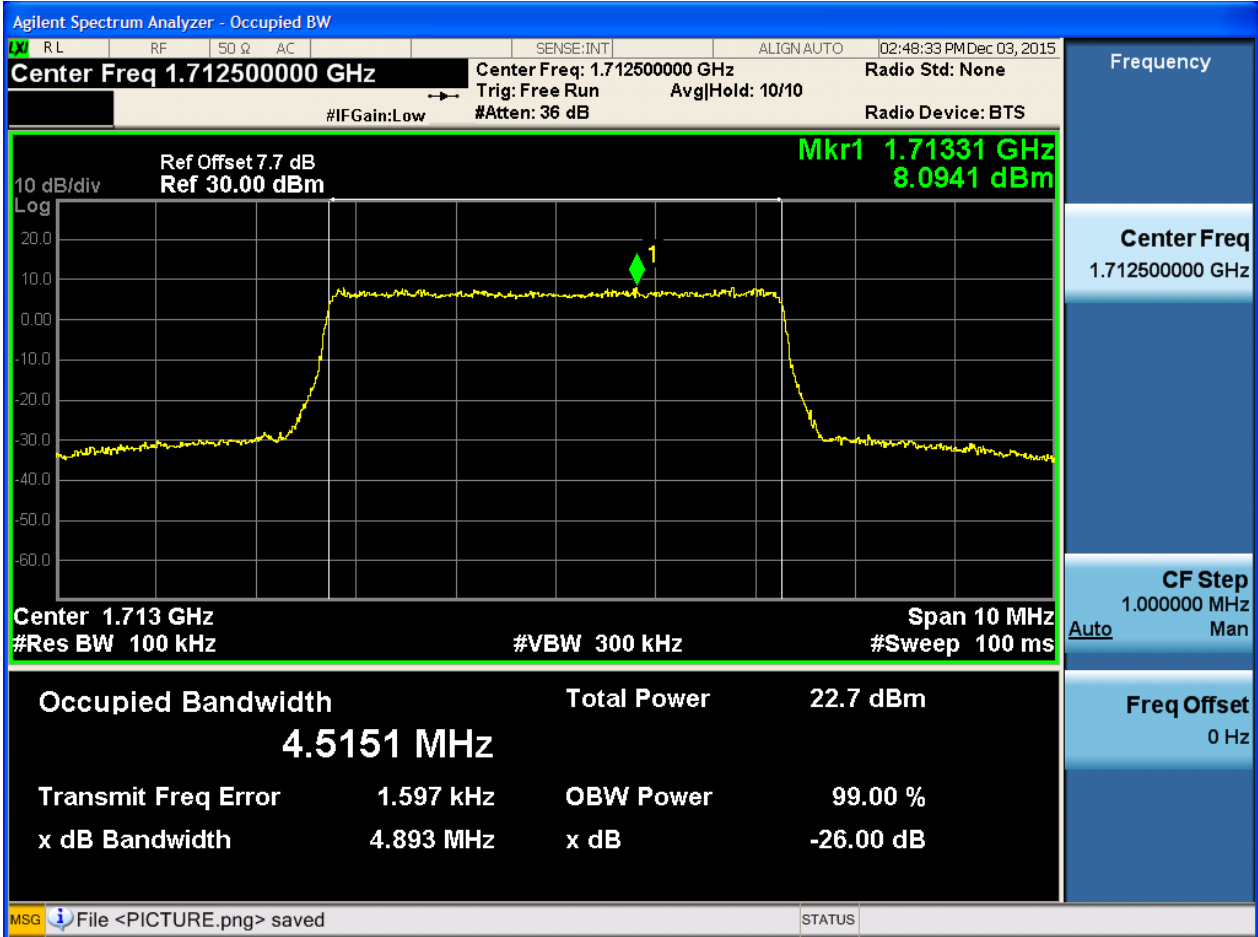




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

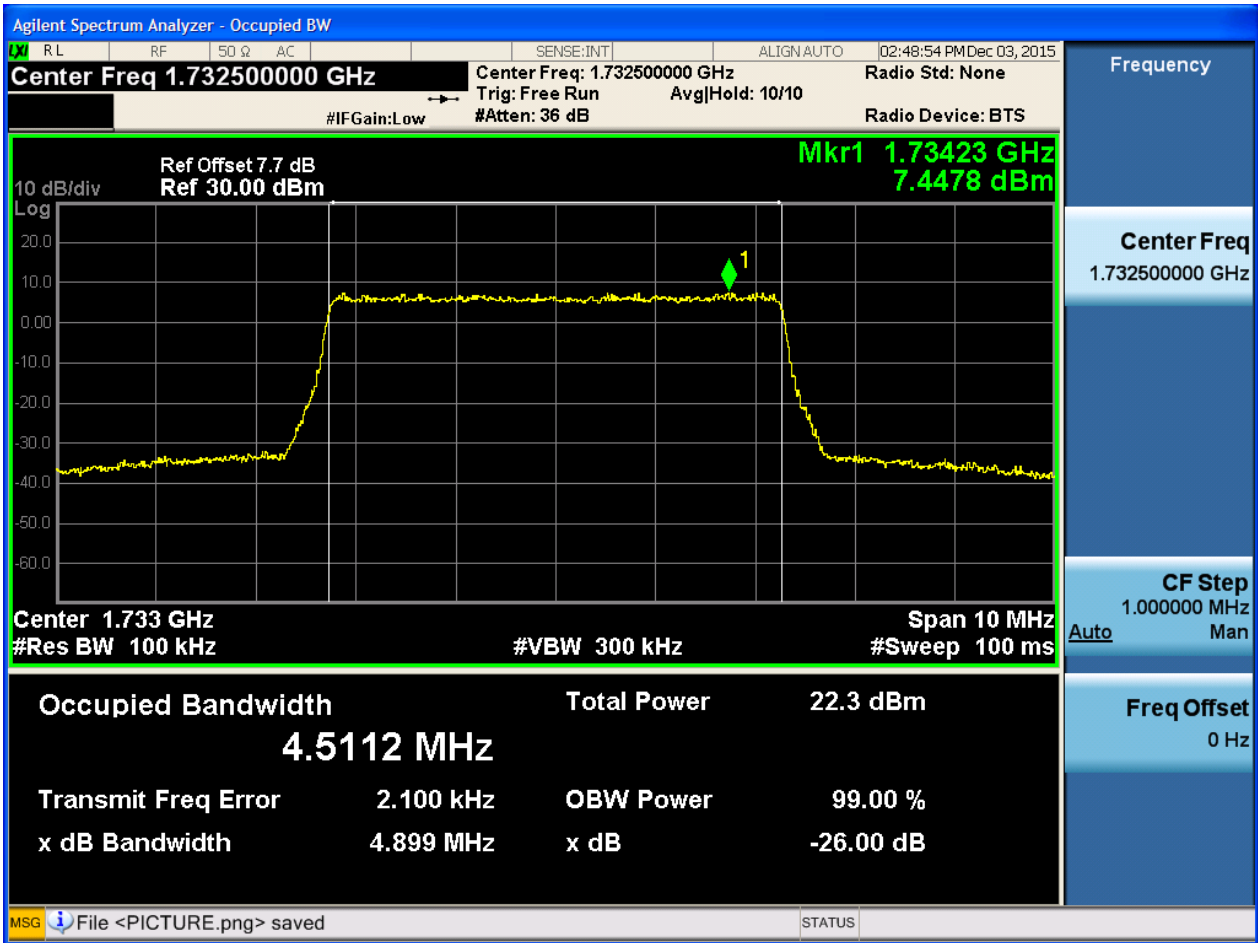
4.1.1.2.3.1.1 Test RB = RB25#0





4.1.1.2.3.2 Test Channel = MCH

4.1.1.2.3.2.1 Test RB = RB25#0

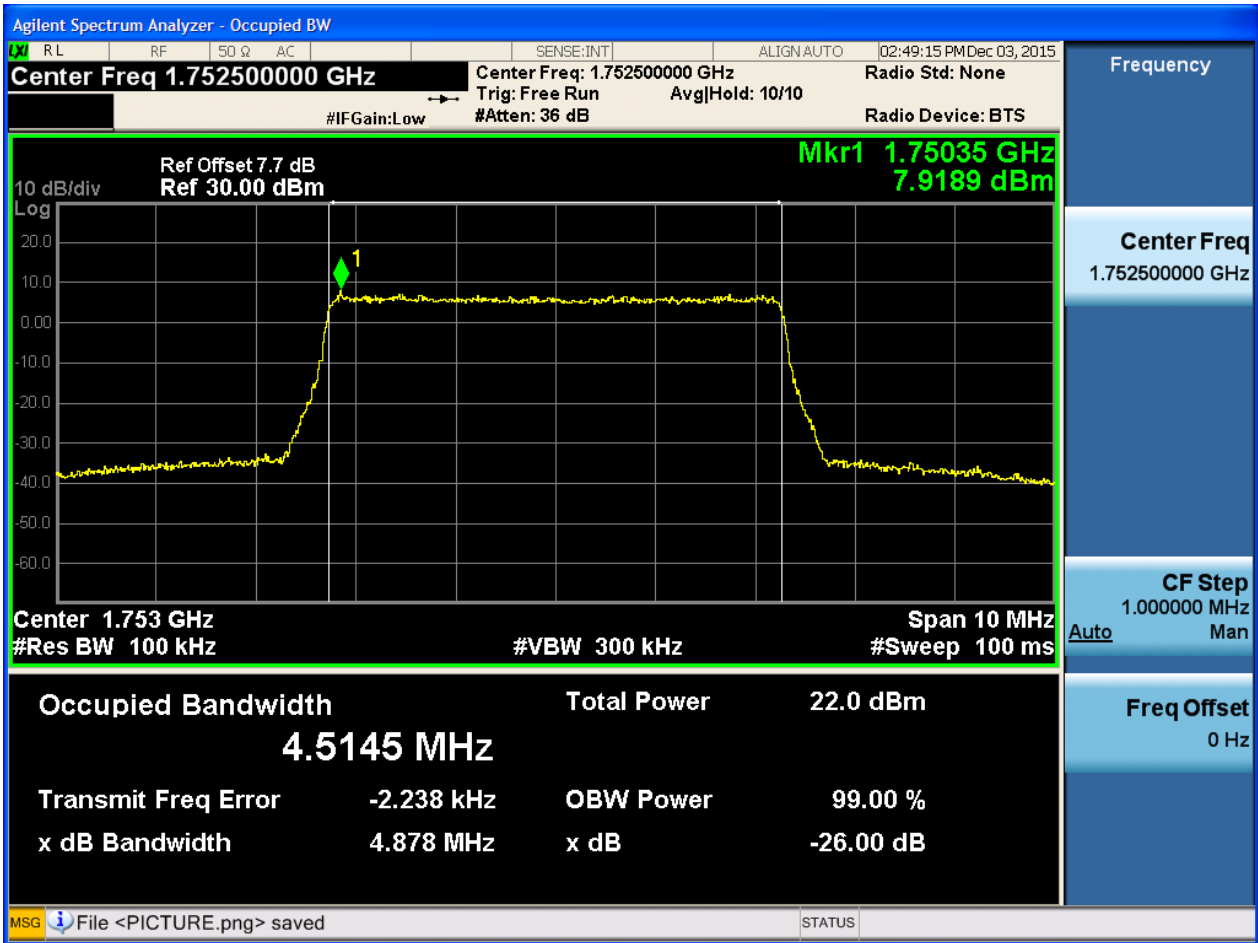






4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

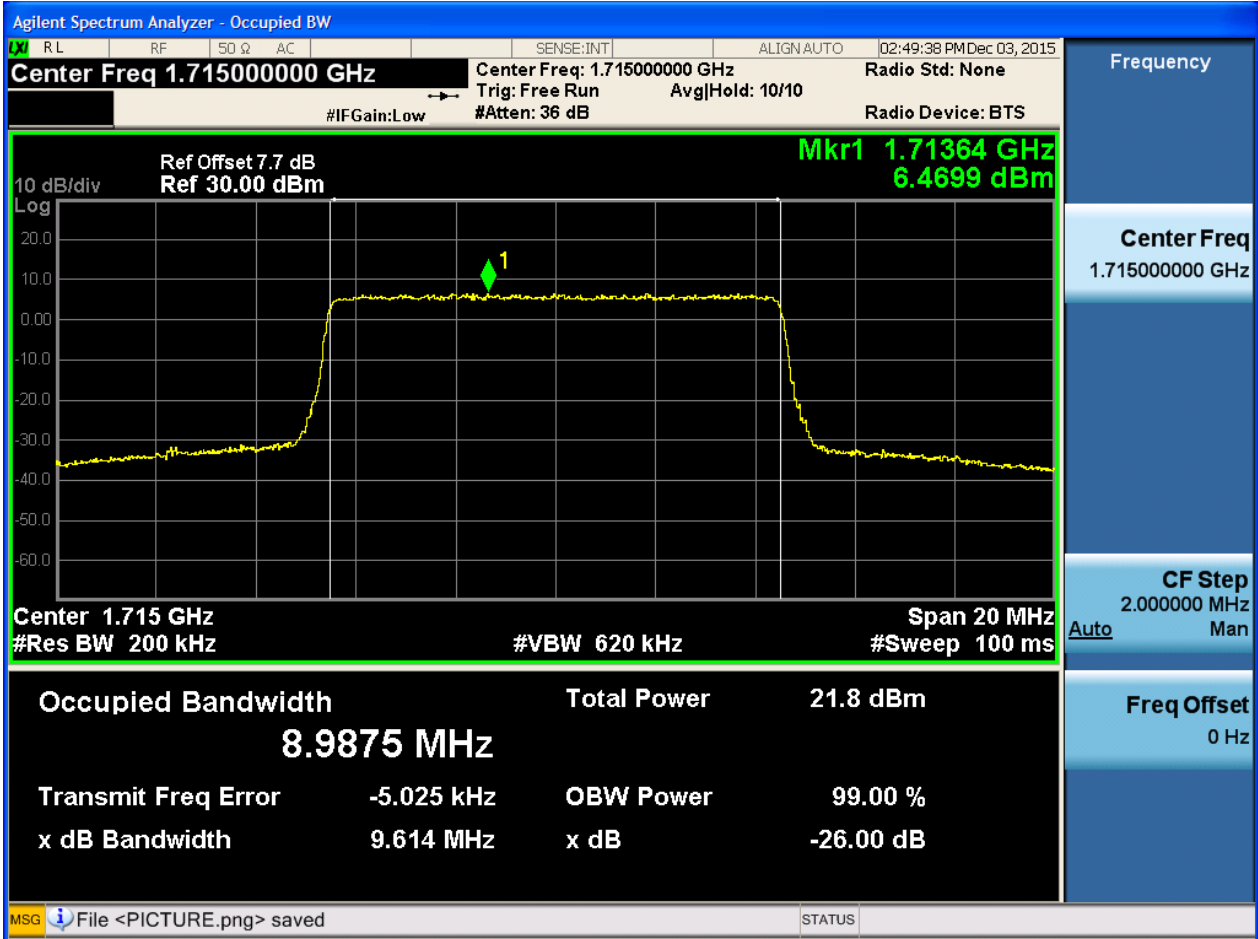




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

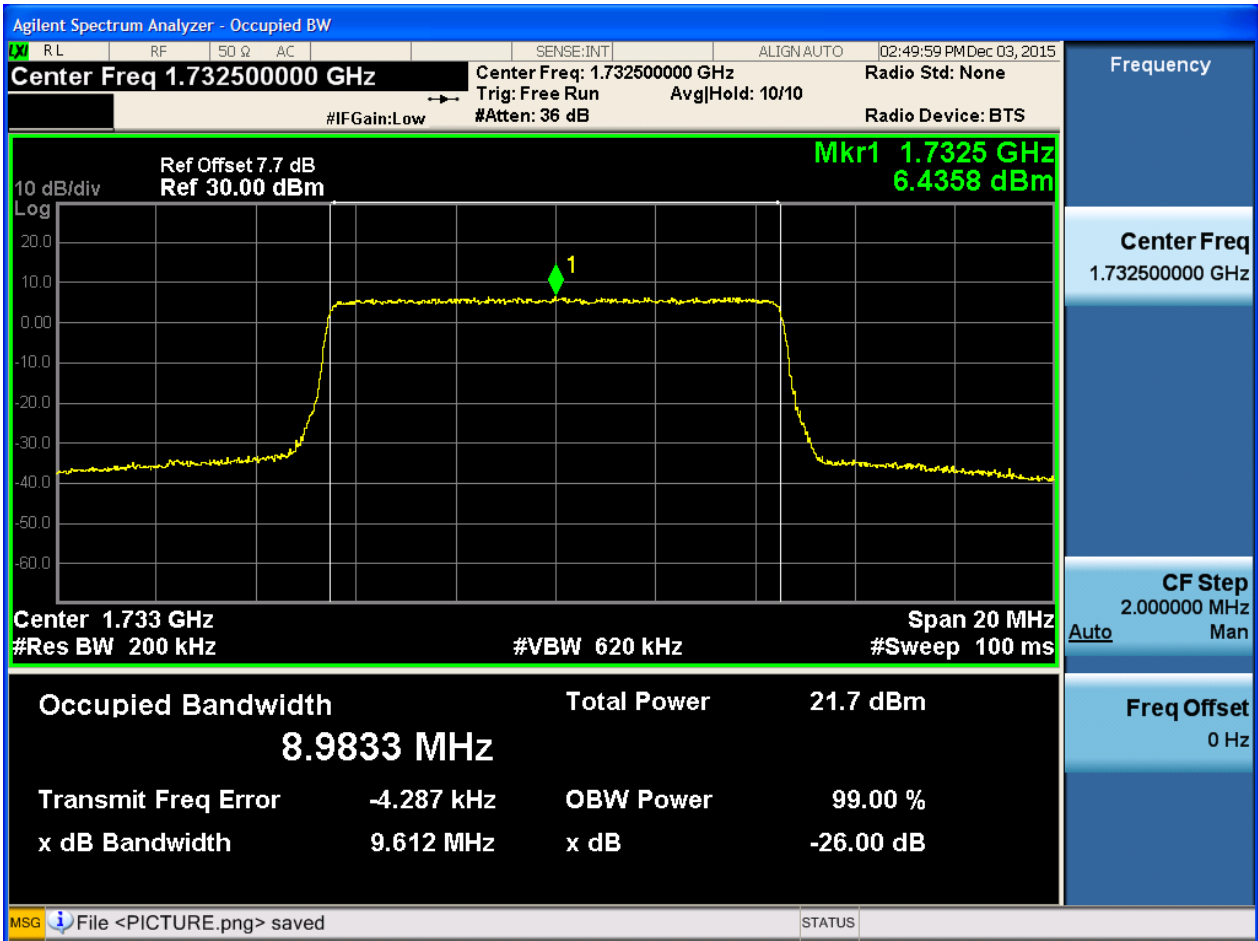
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

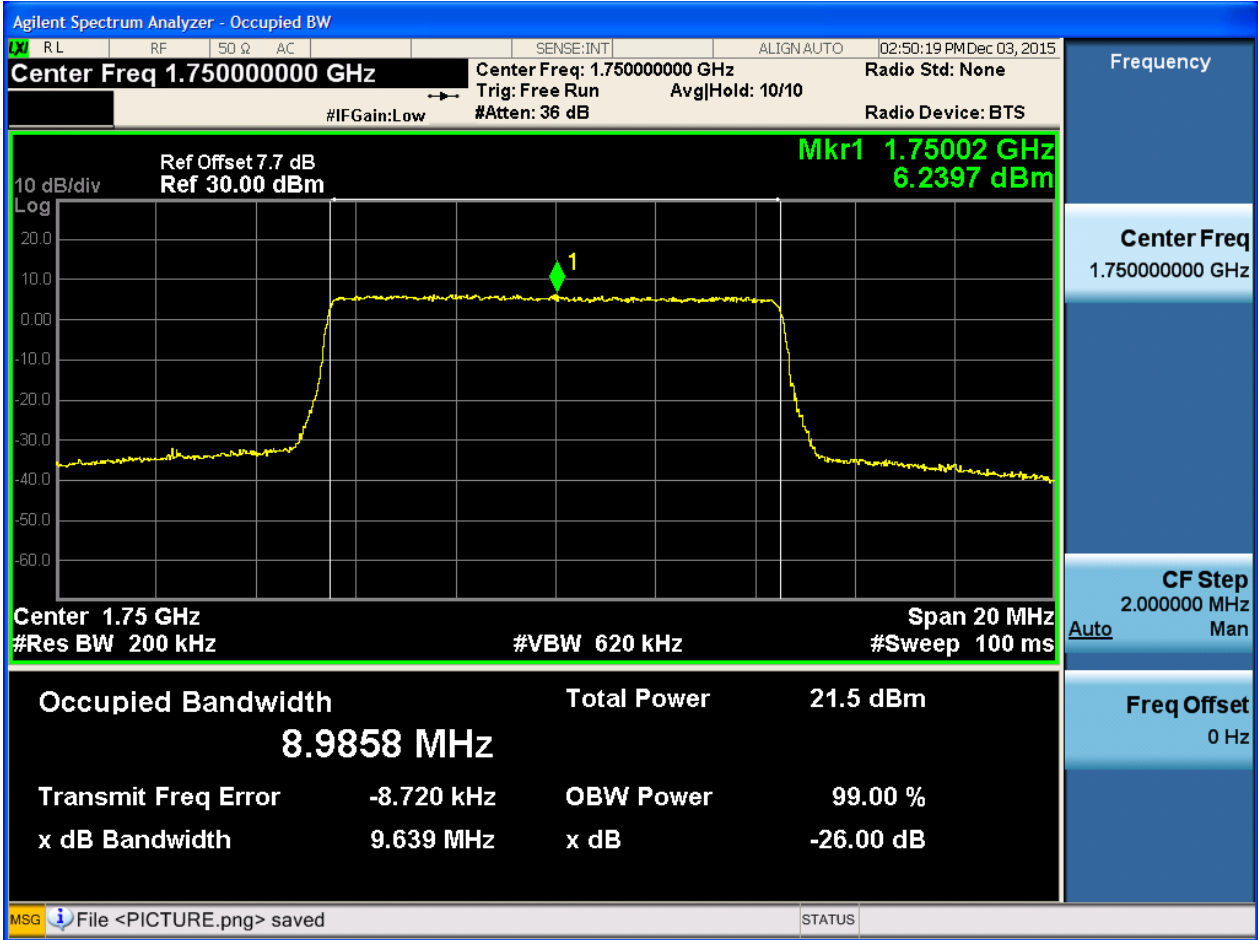
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0

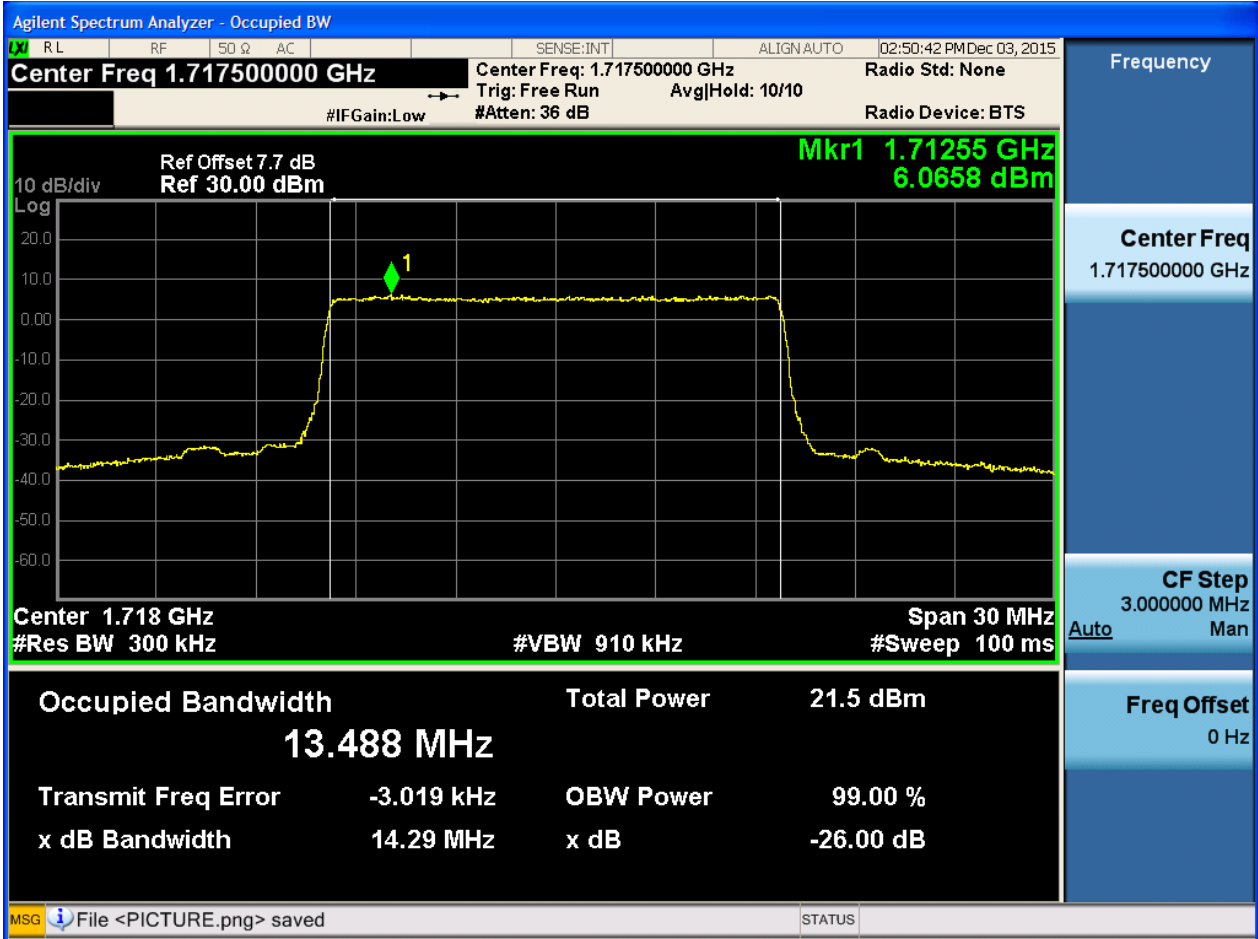




4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

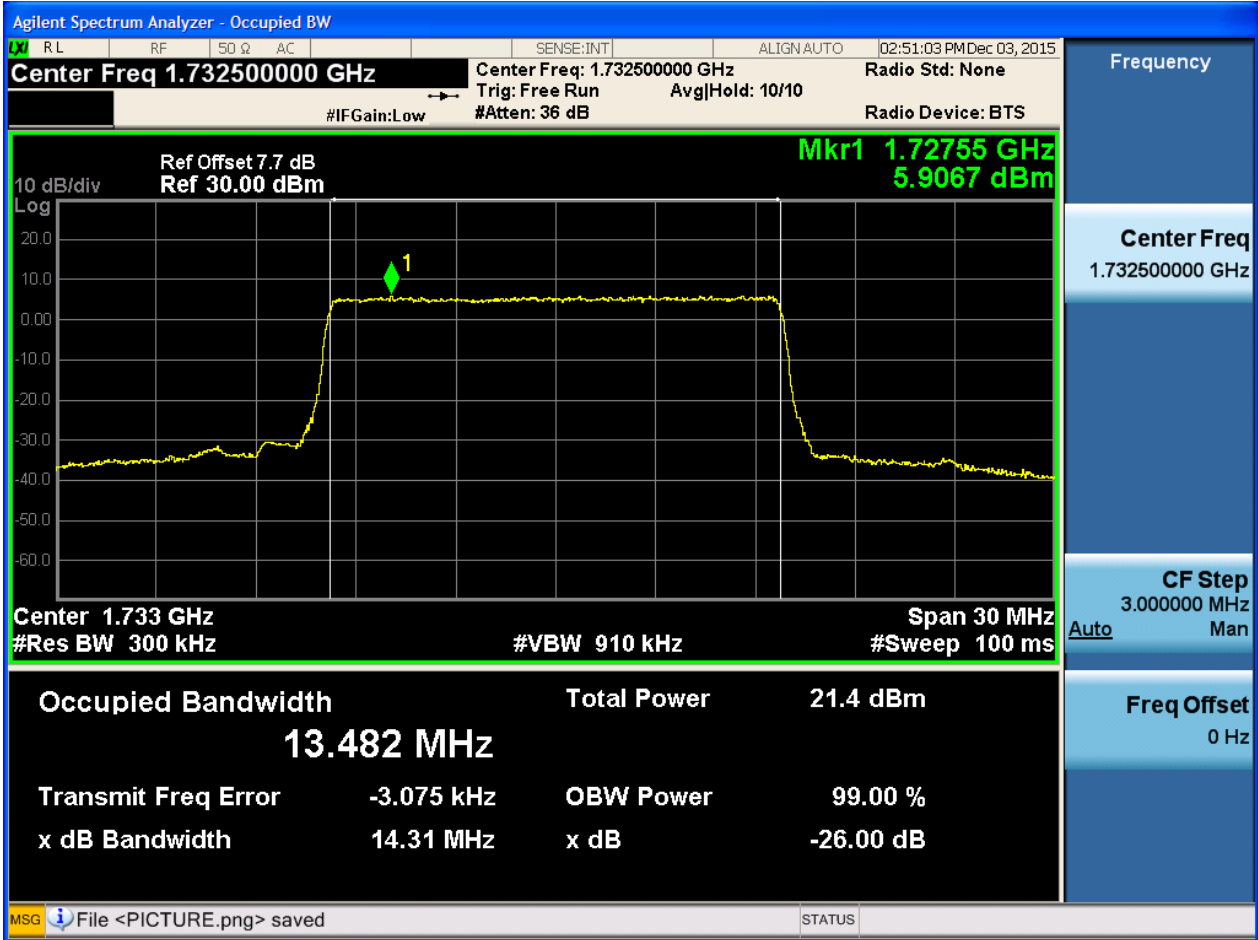
4.1.1.2.5.1.1 Test RB = RB75#0





4.1.1.2.5.2 Test Channel = MCH

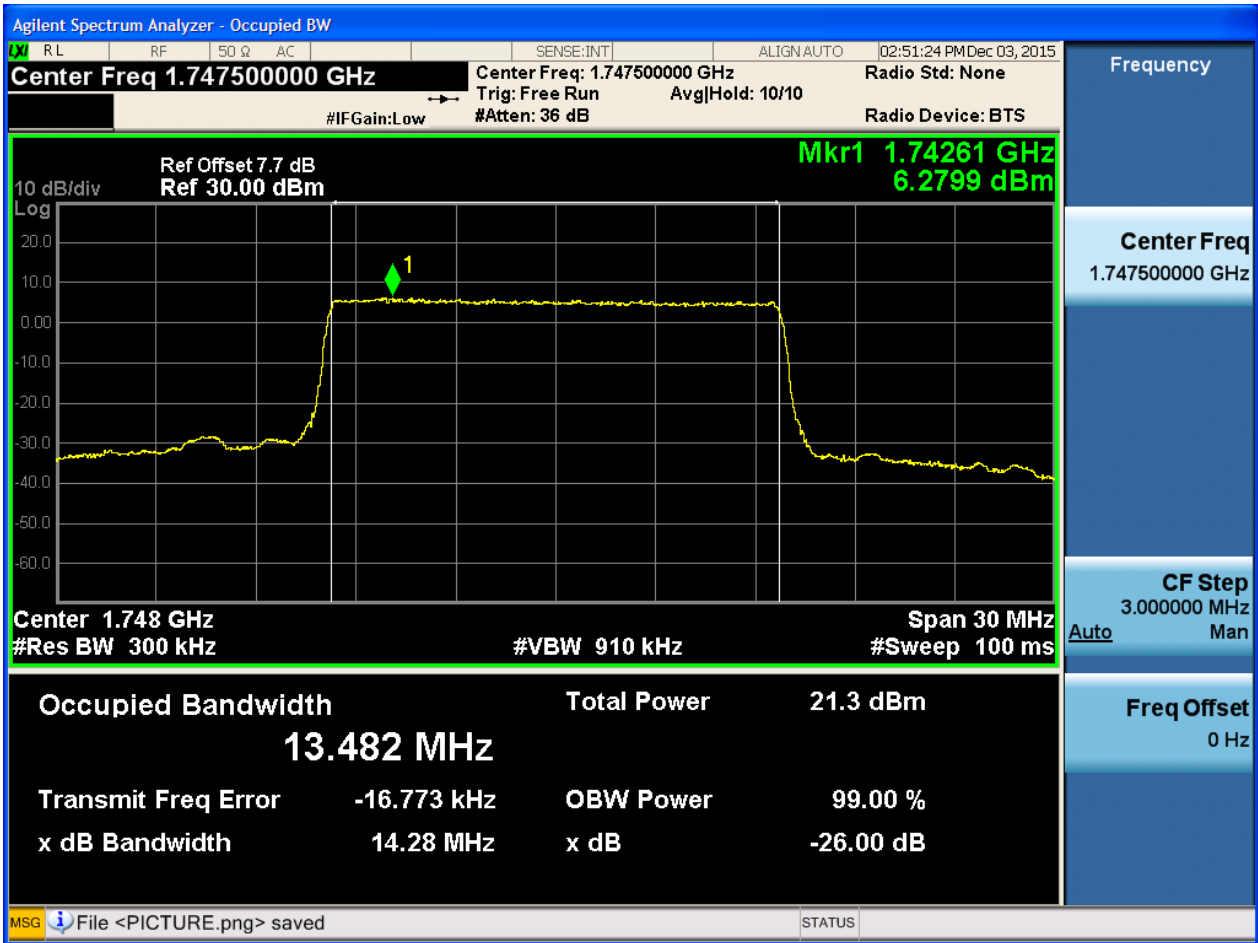
4.1.1.2.5.2.1 Test RB = RB75#0





4.1.1.2.5.3 Test Channel = HCH

4.1.1.2.5.3.1 Test RB = RB75#0

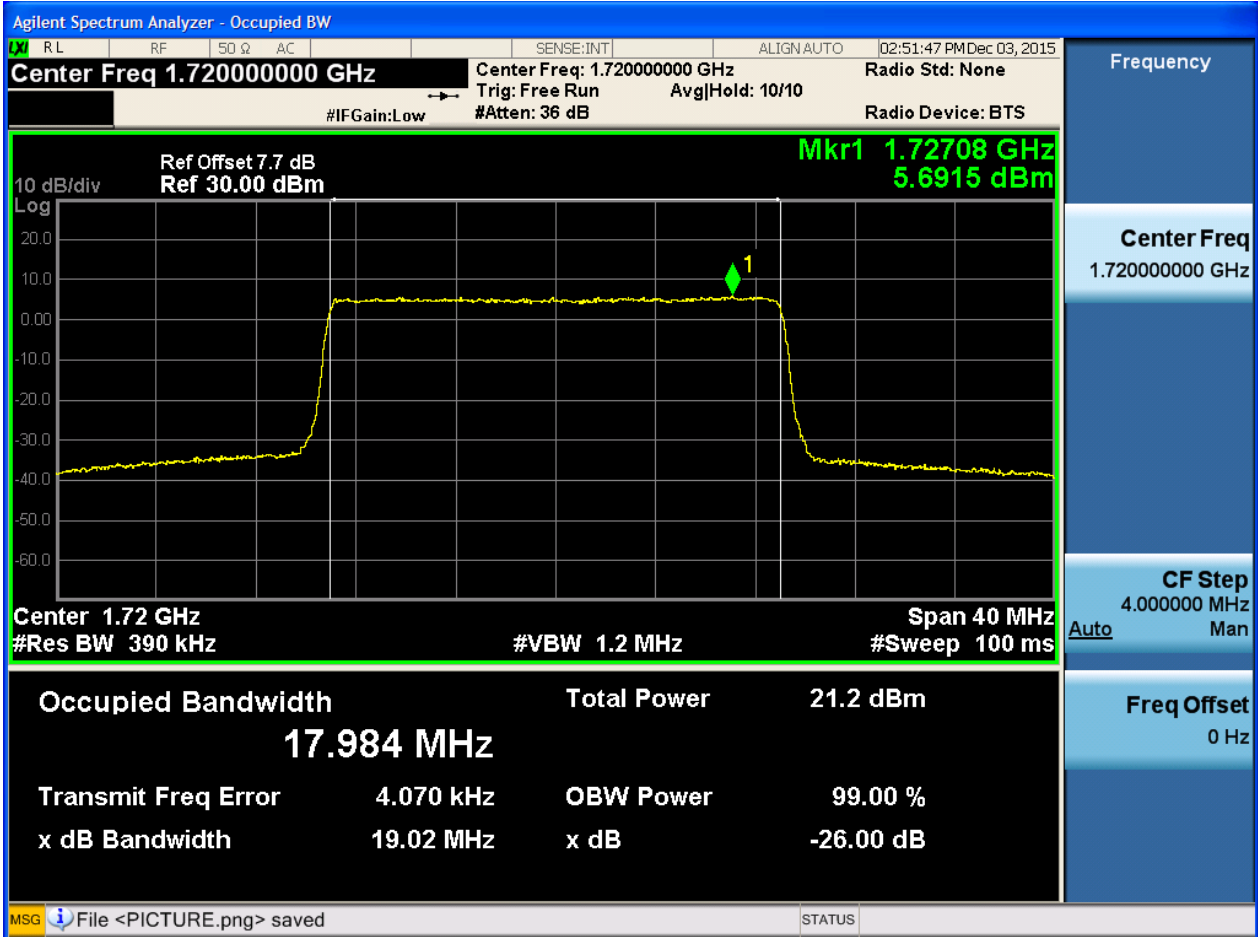




4.1.1.2.6 Test Bandwidth = 20

4.1.1.2.6.1 Test Channel = LCH

4.1.1.2.6.1.1 Test RB = RB100#0

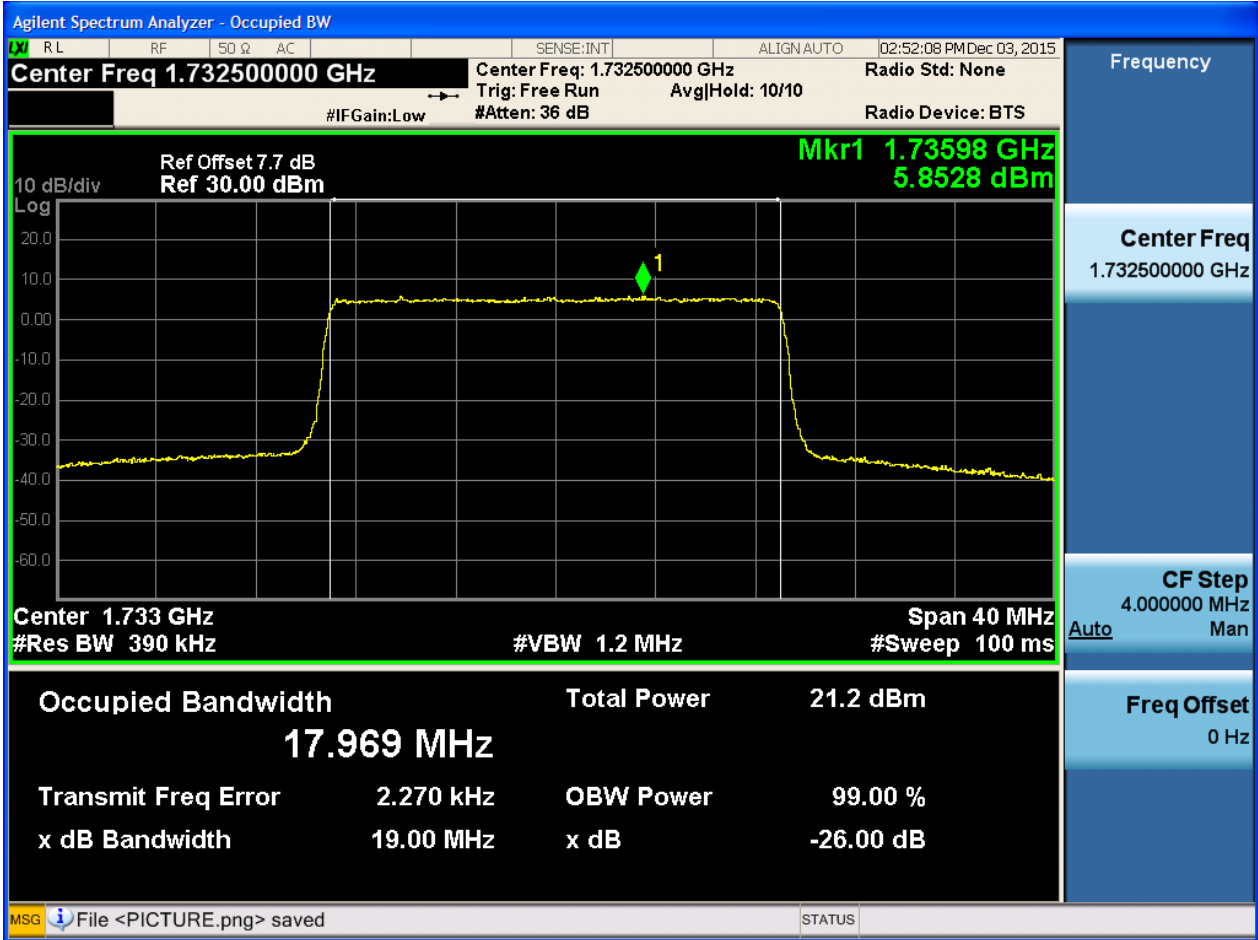






4.1.1.2.6.2 Test Channel = MCH

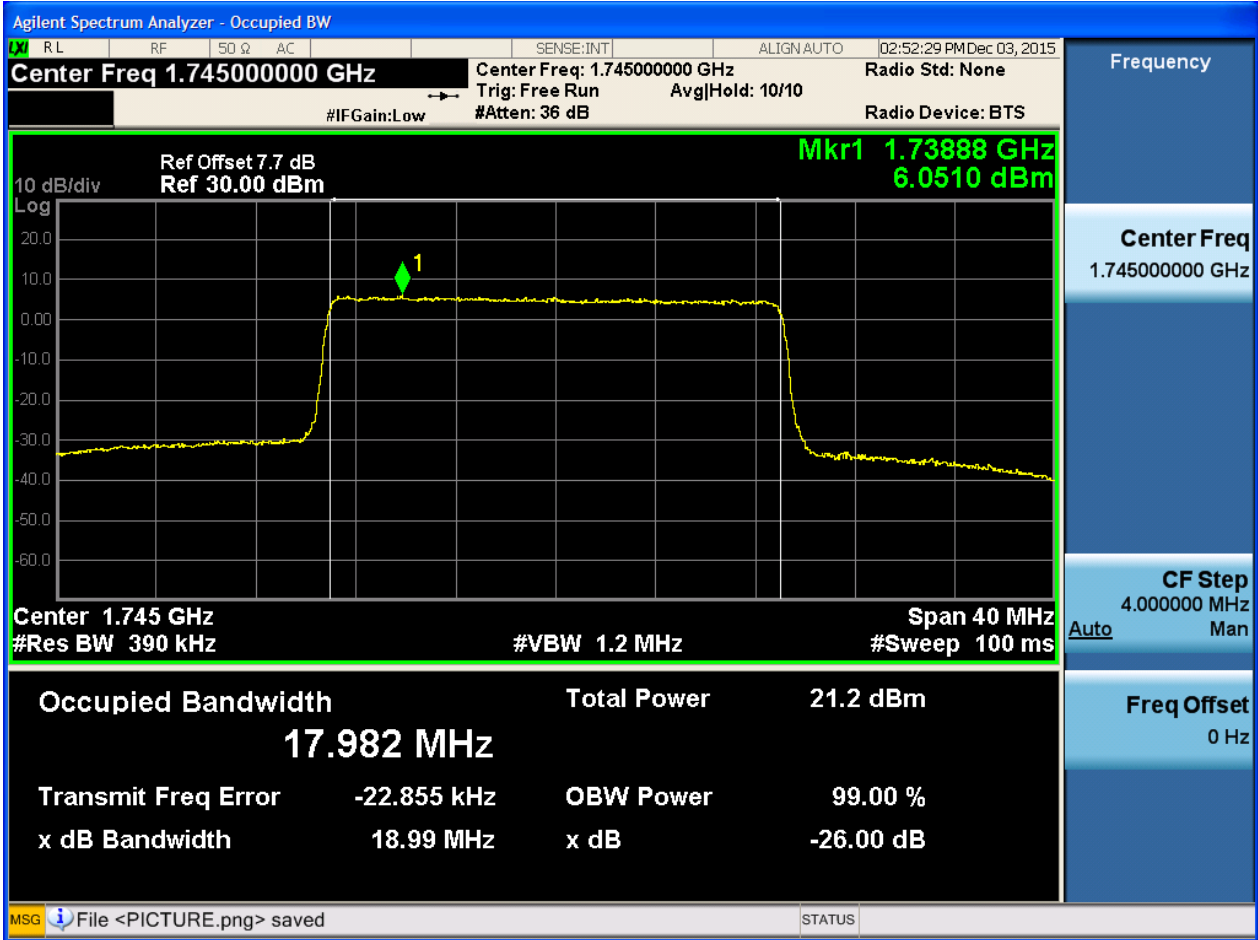
4.1.1.2.6.2.1 Test RB = RB100#0





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

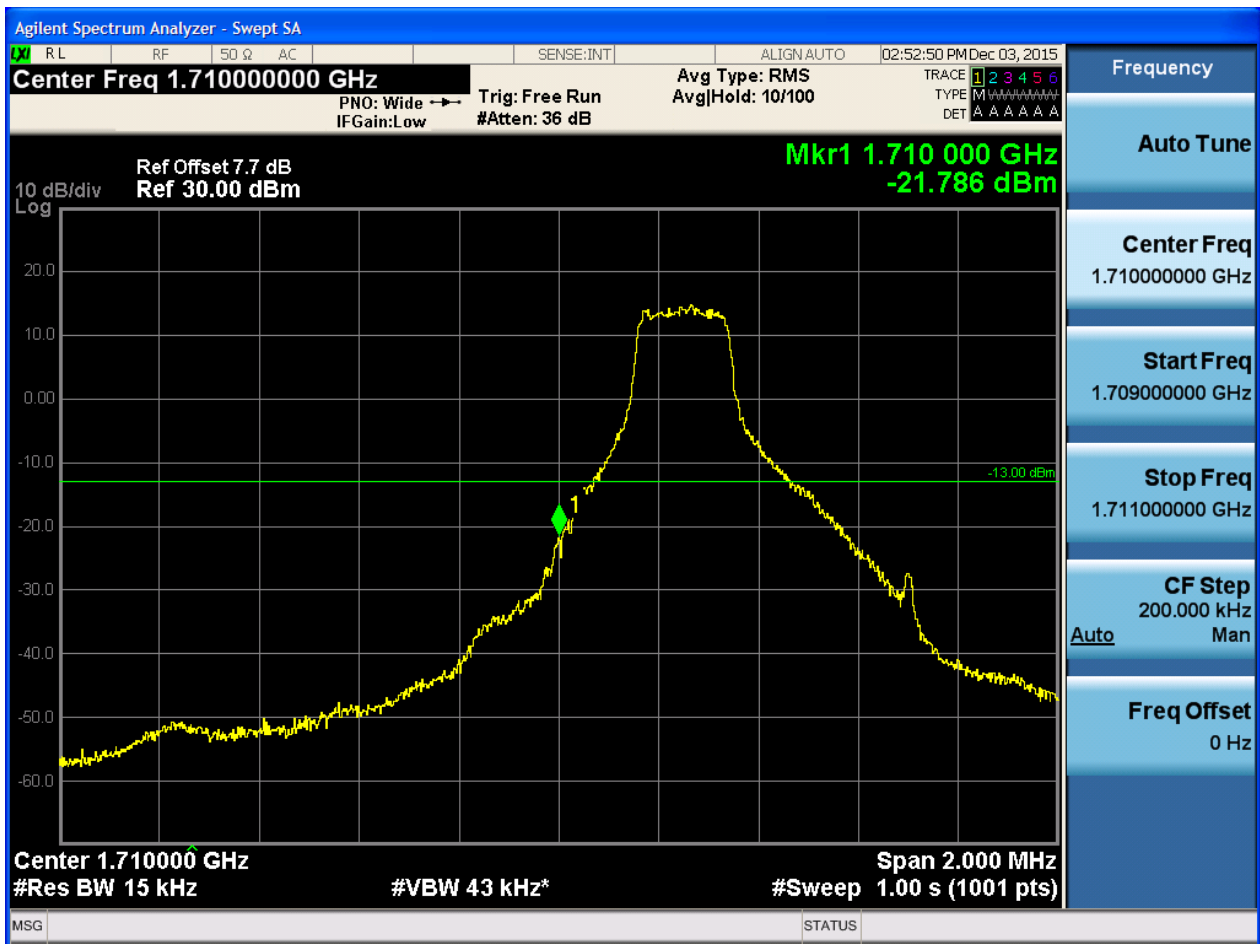
##### 5.1.1 Test Band = BAND4

##### 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



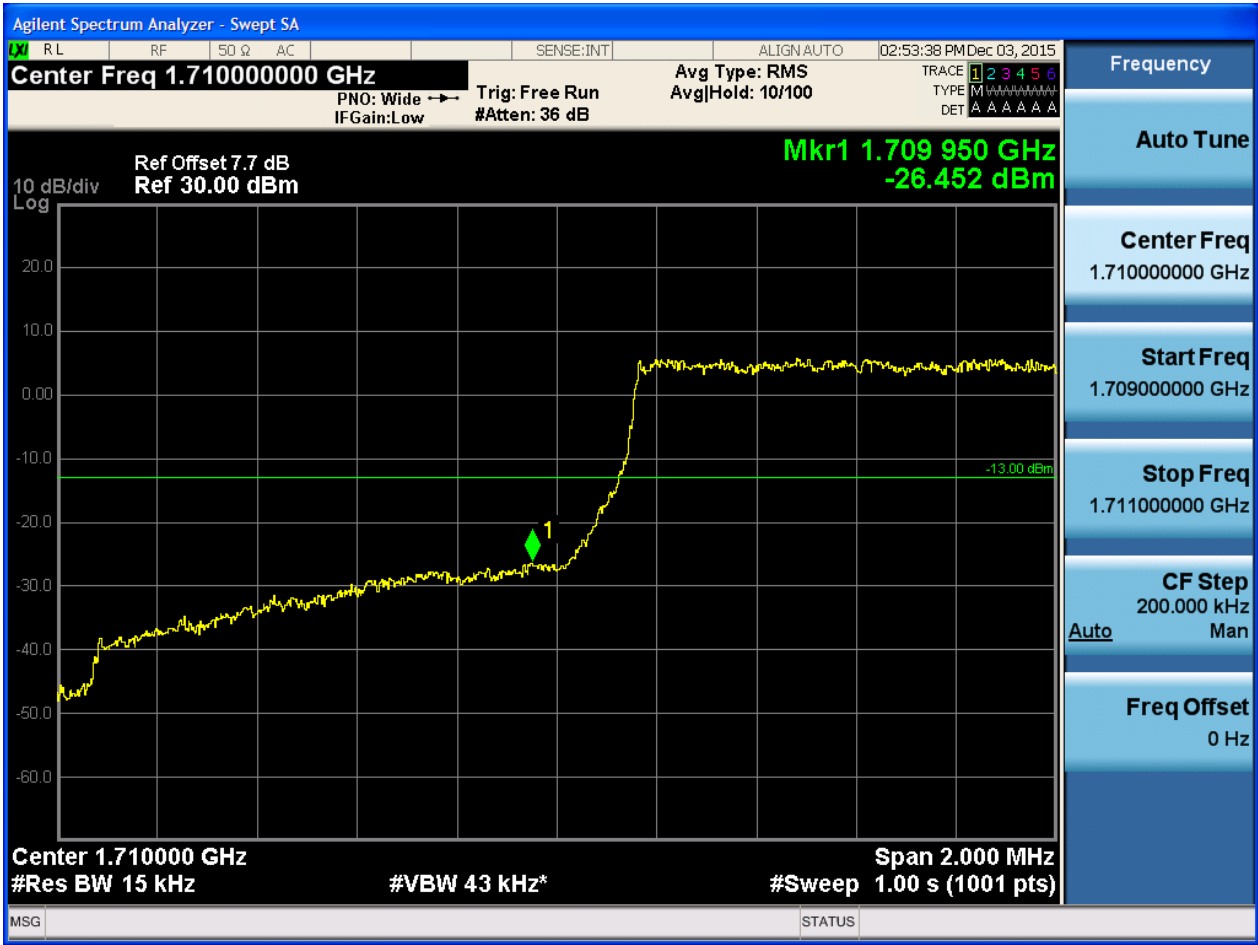


5.1.1.1.1.3 Test RB = RB3#2





5.1.1.1.1.4 Test RB = RB6#0





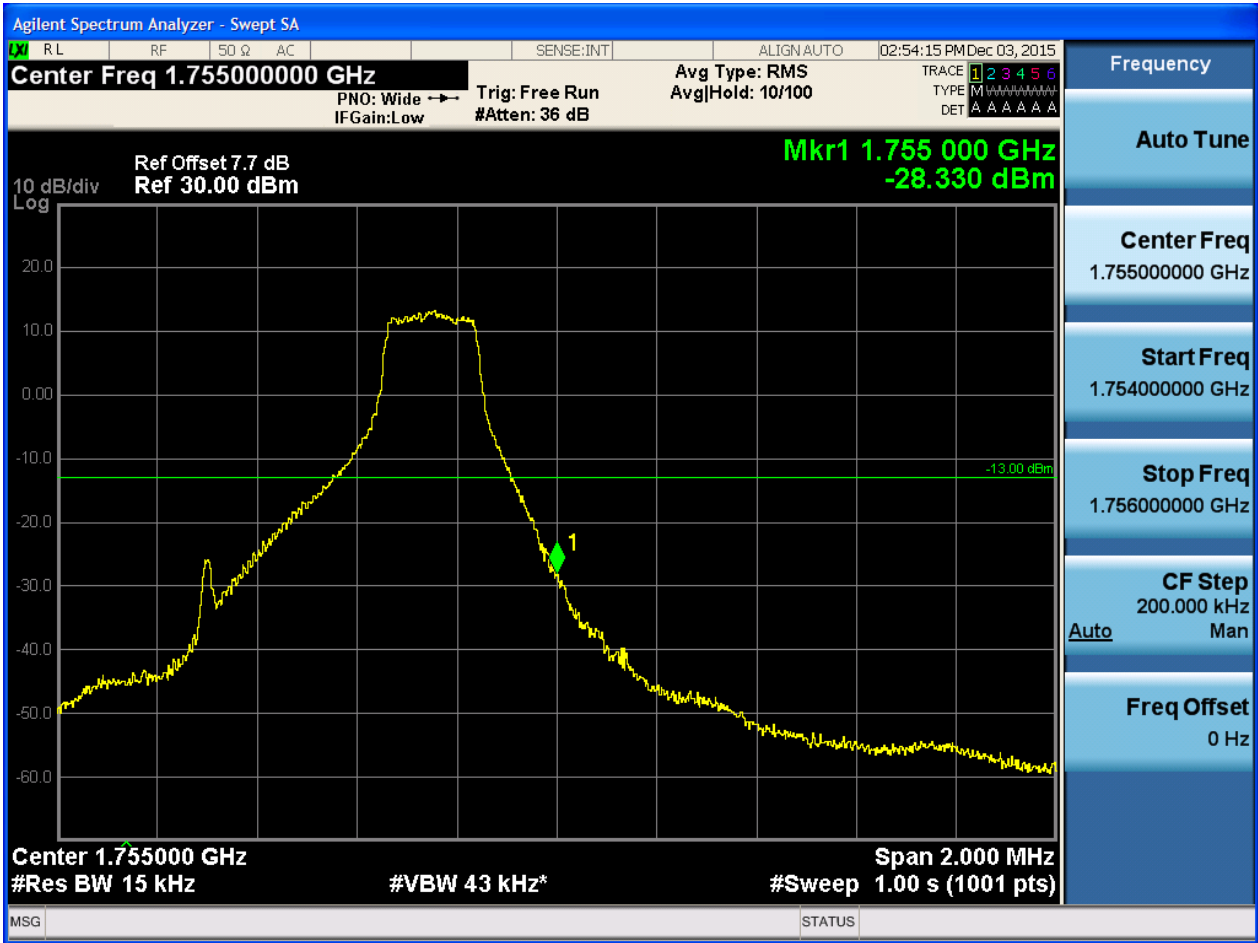
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#5







5.1.1.1.2.3 Test RB = RB3#2





5.1.1.1.2.4 Test RB = RB6#0

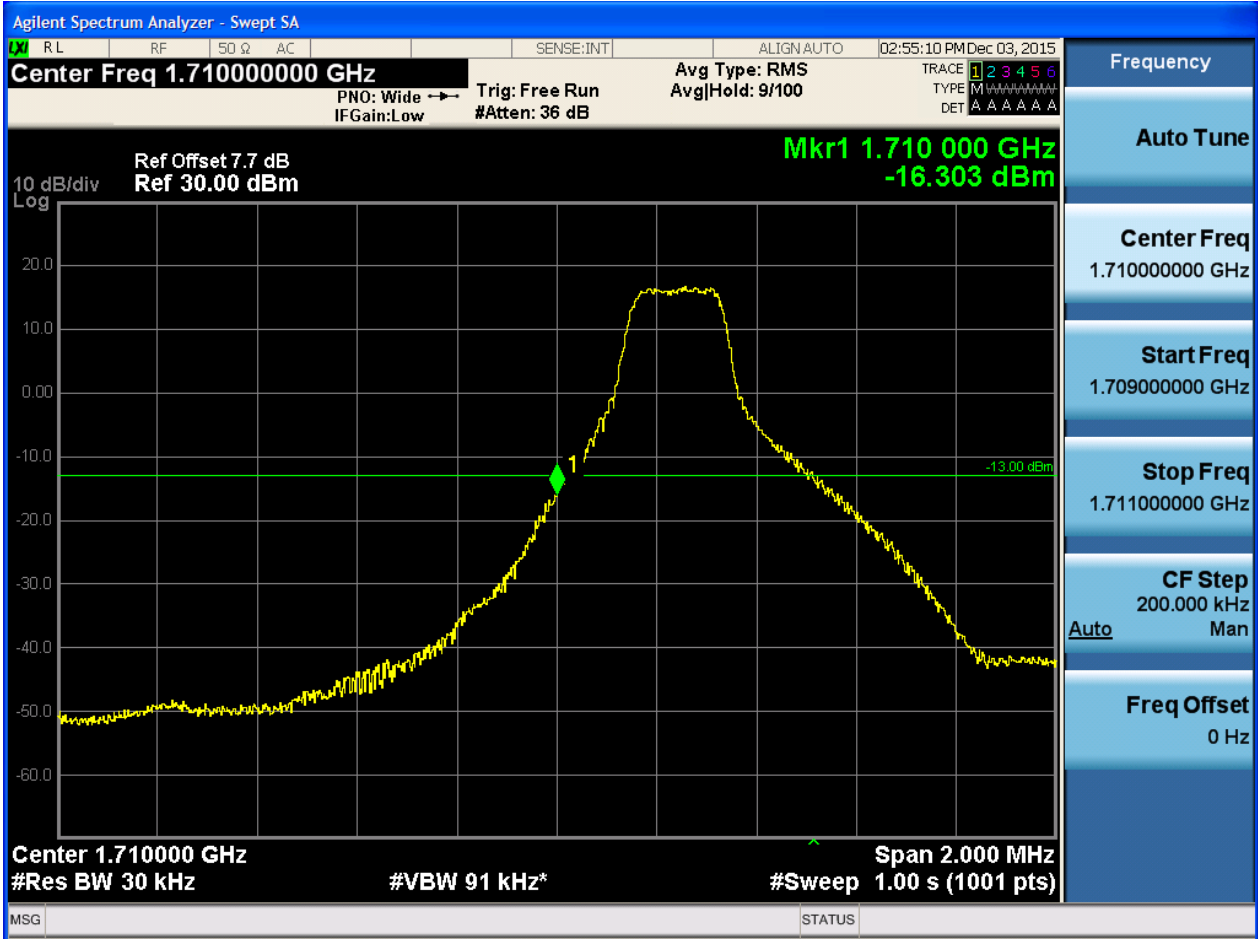




5.1.1.1.2 Test Bandwidth = 3

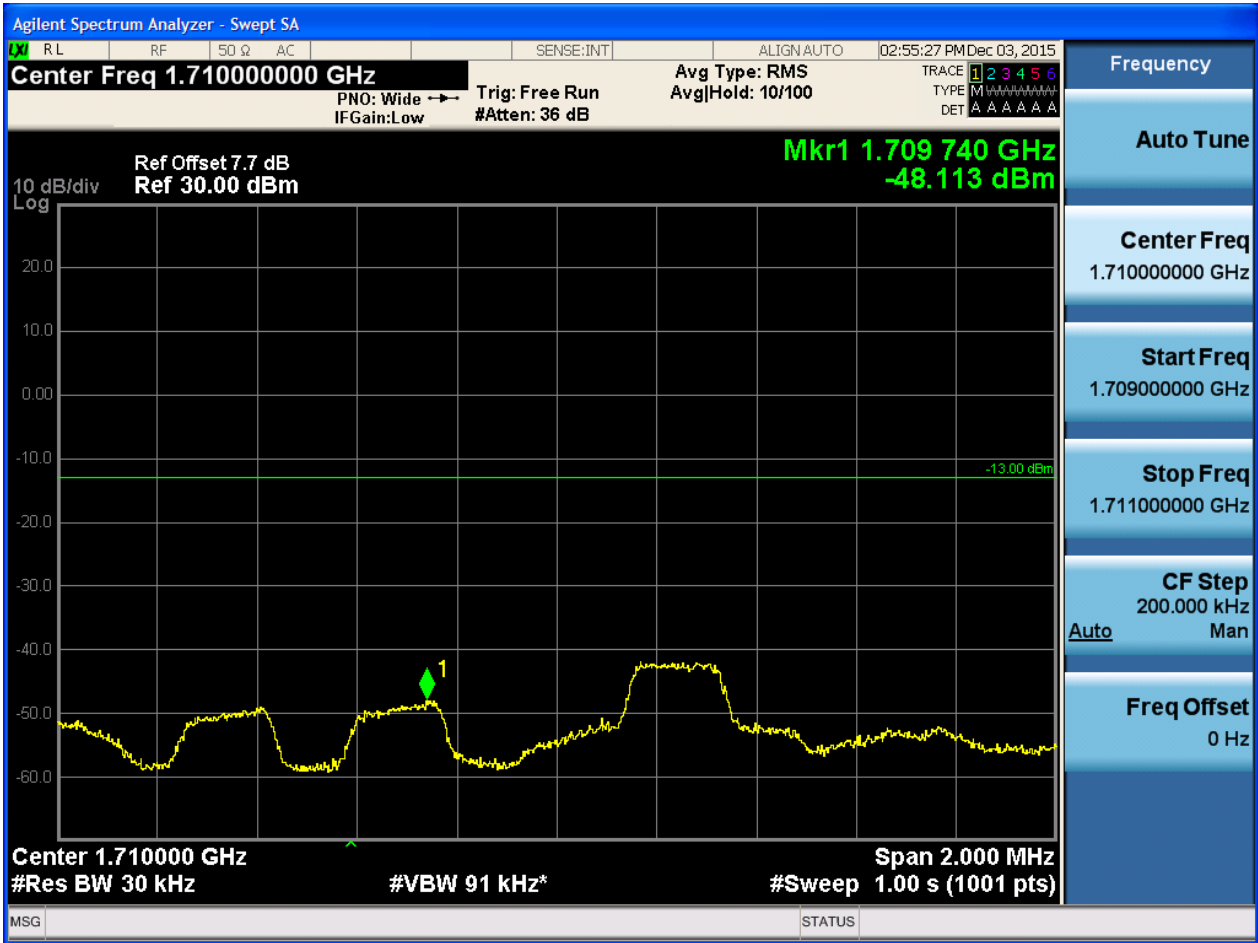
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0





5.1.1.1.2.1.2 Test RB = RB1#14



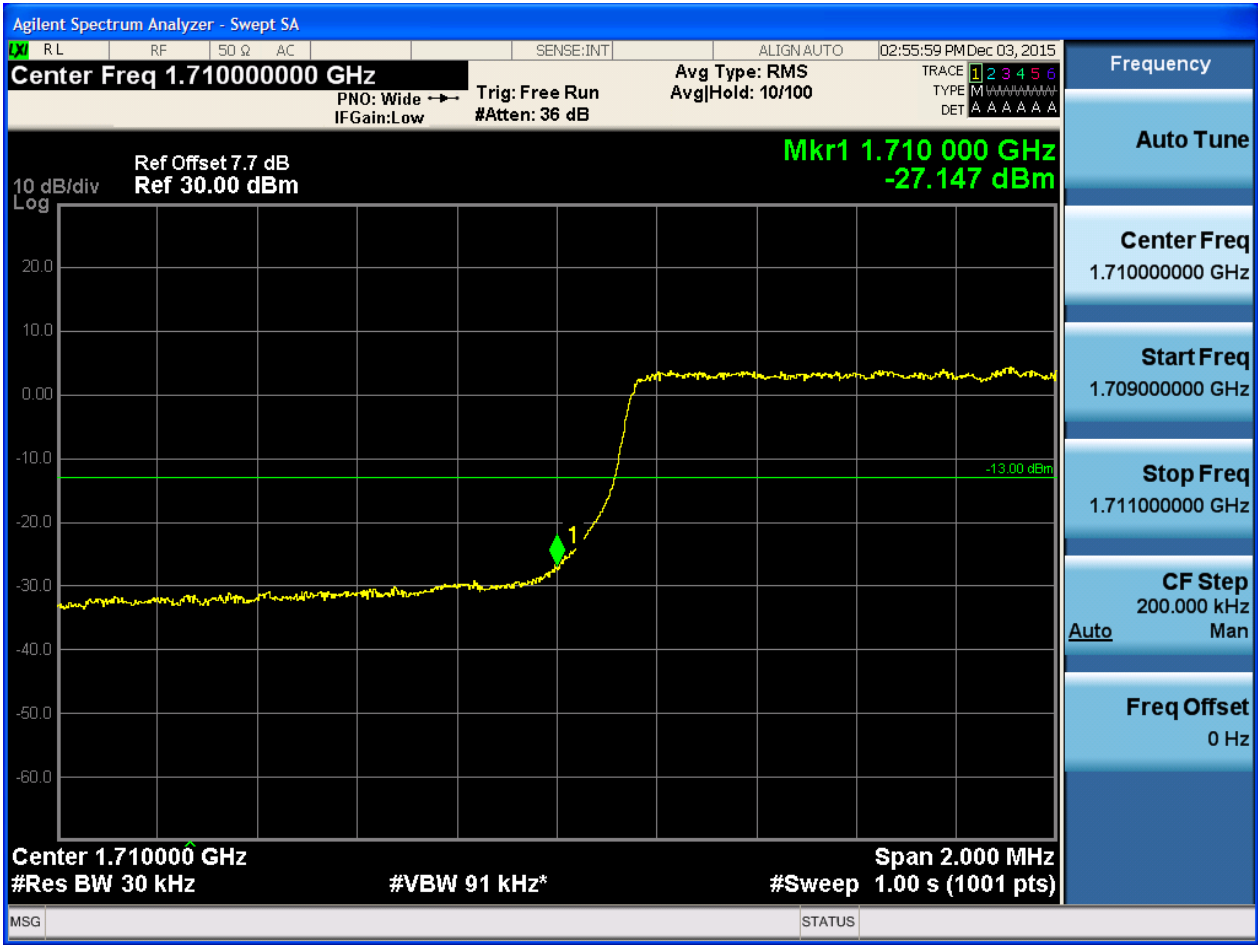


5.1.1.1.2.1.3 Test RB = RB8#4





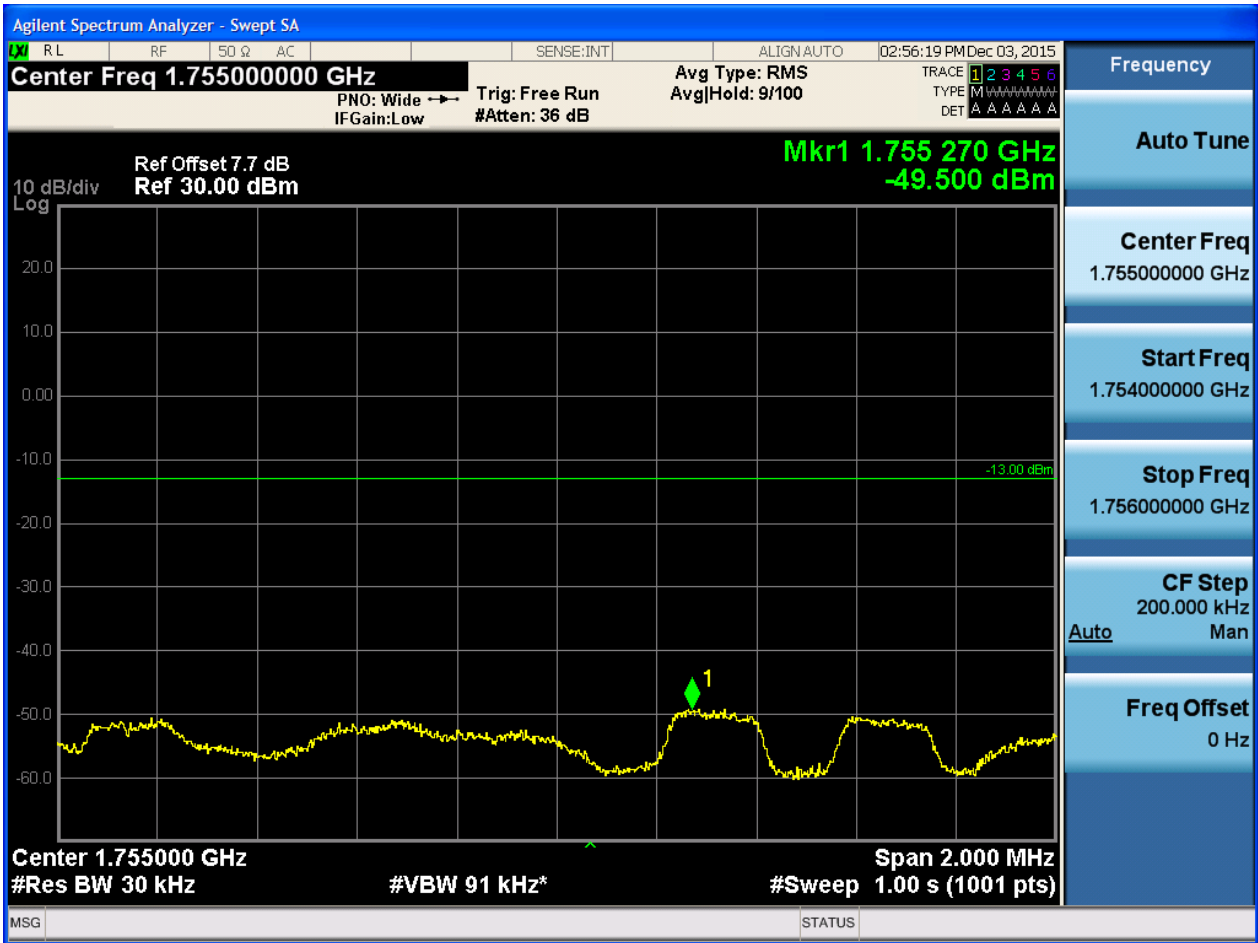
5.1.1.1.2.1.4 Test RB = RB15#0





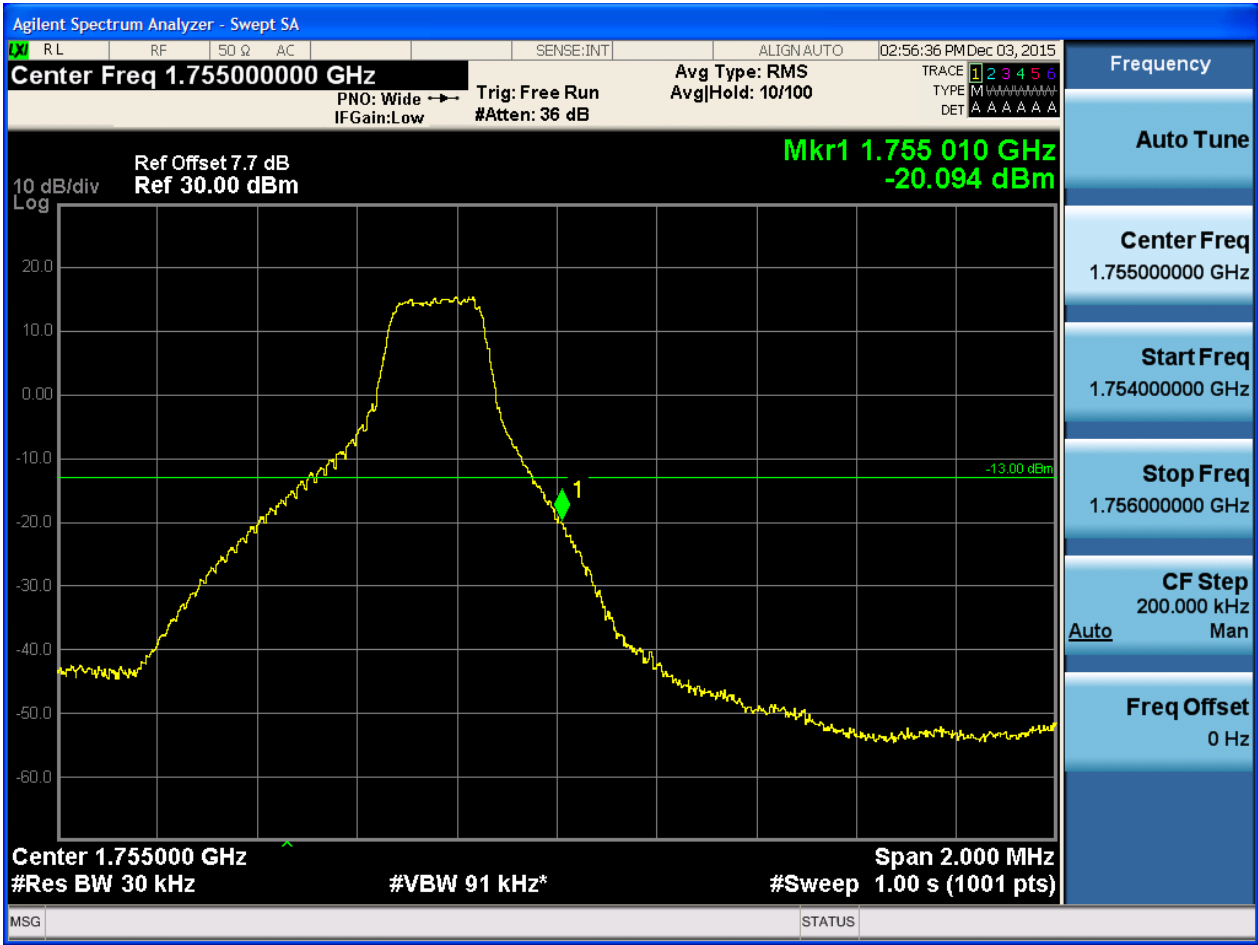
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2.2 Test RB = RB1#14





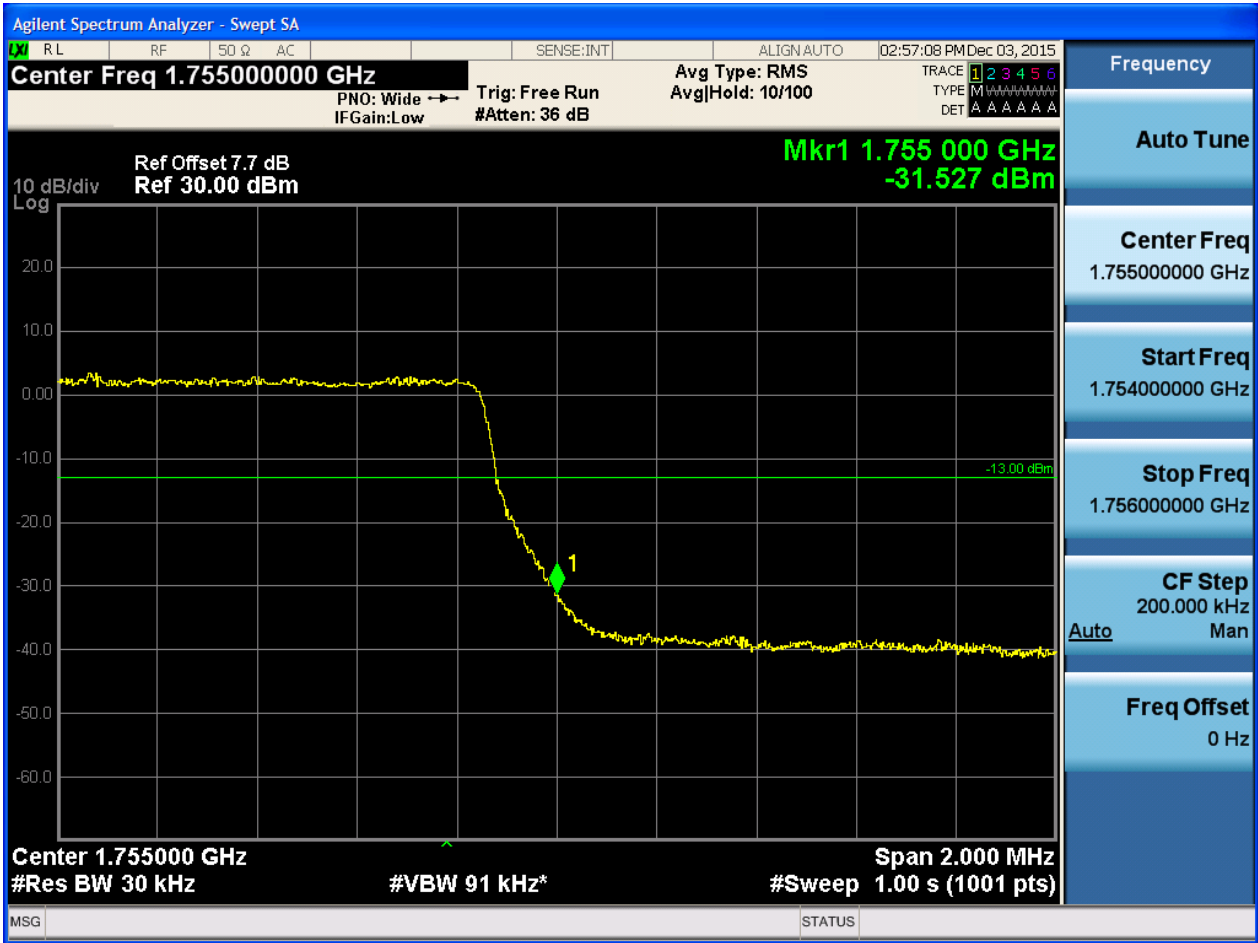


5.1.1.1.2.2.3 Test RB = RB8#4





5.1.1.1.2.2.4 Test RB = RB15#0

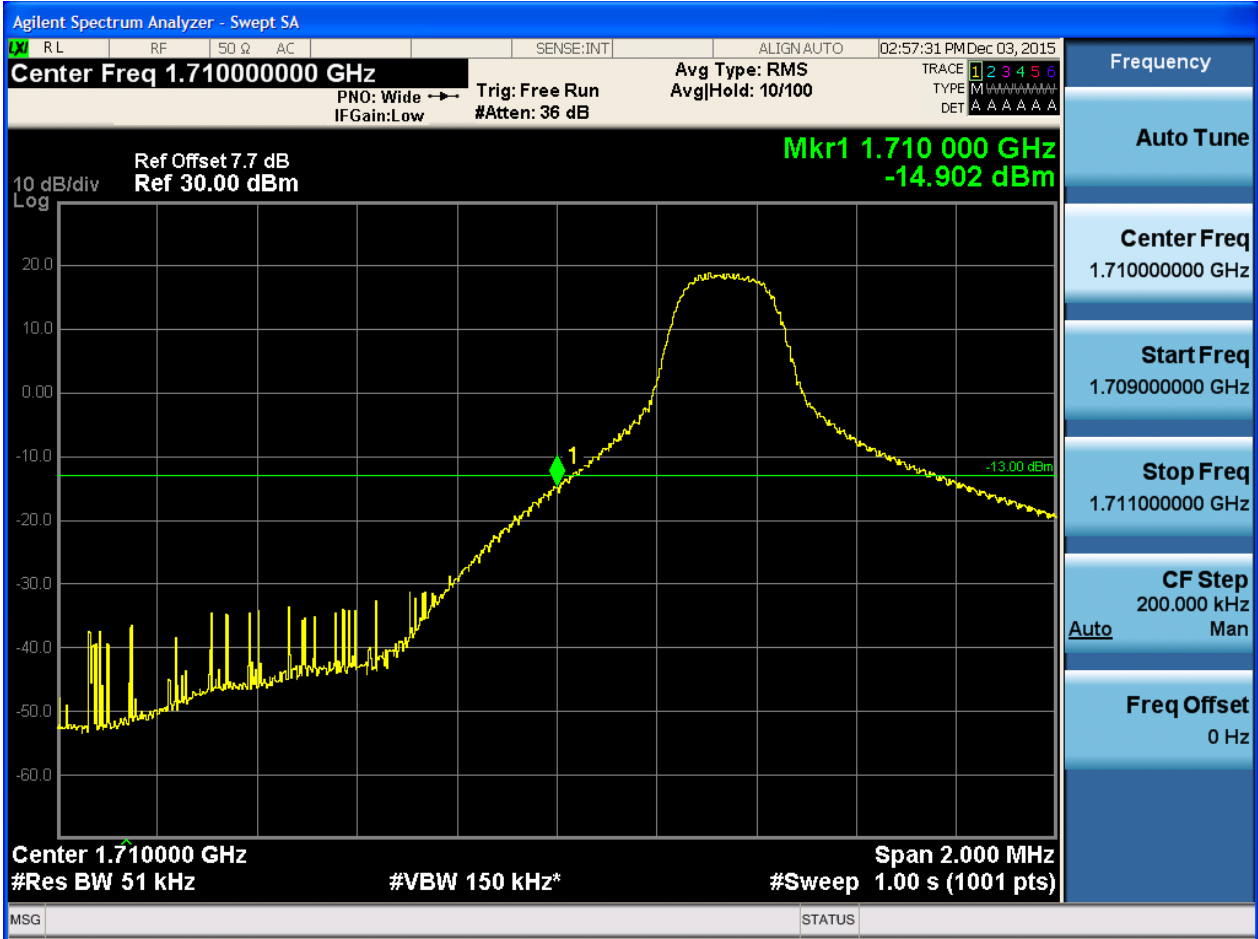




5.1.1.1.3 Test Bandwidth = 5

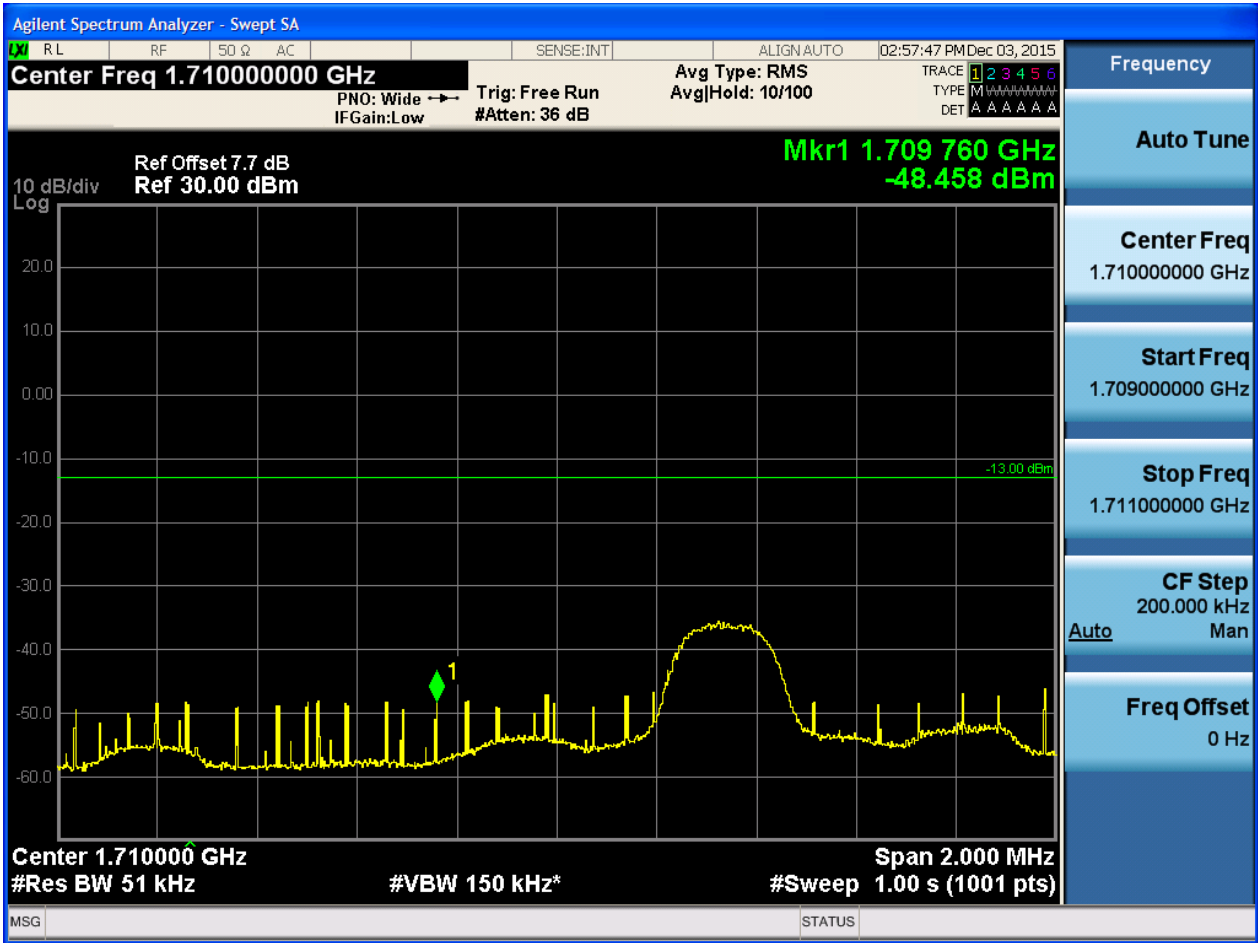
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0



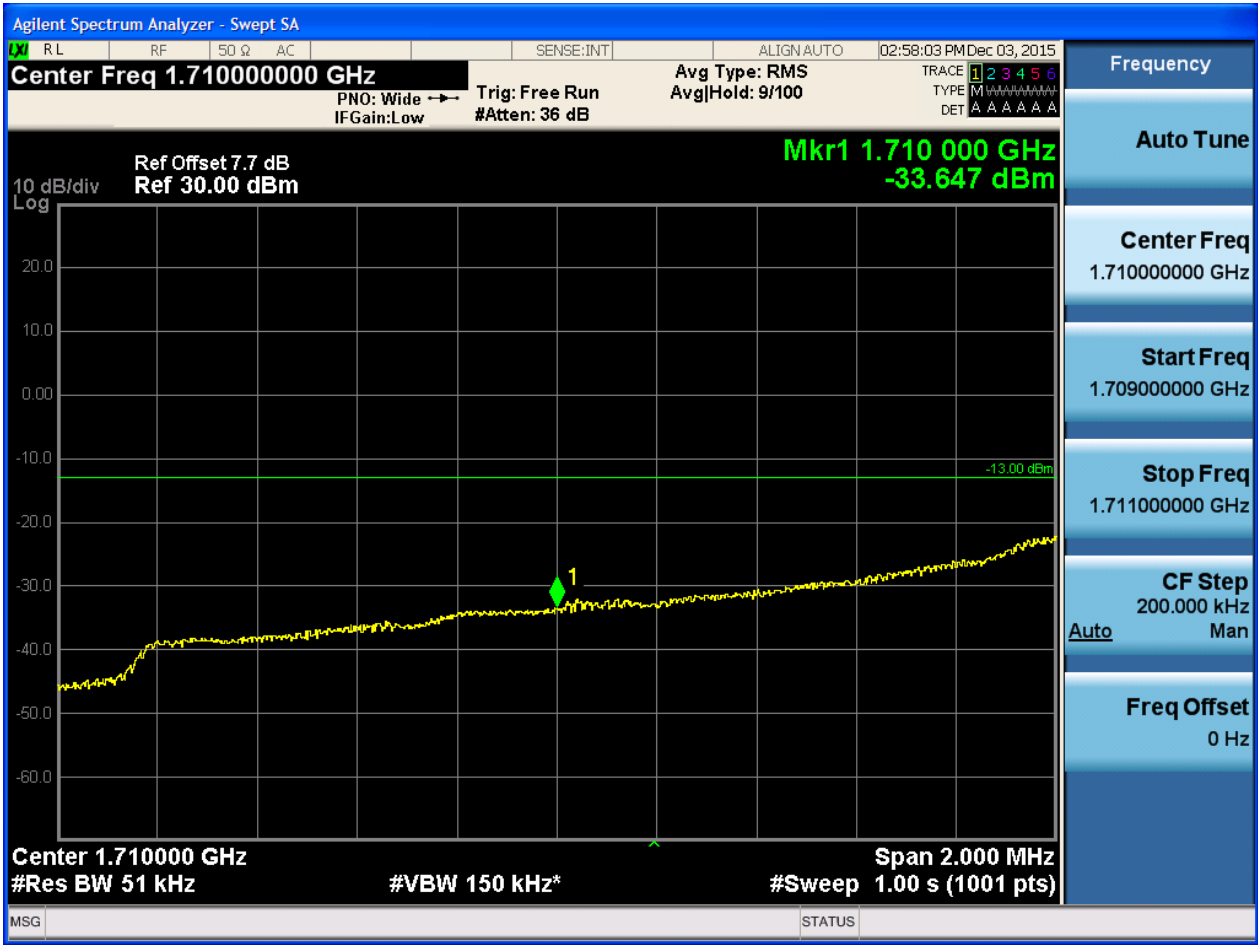


5.1.1.1.3.1.2 Test RB = RB1#24



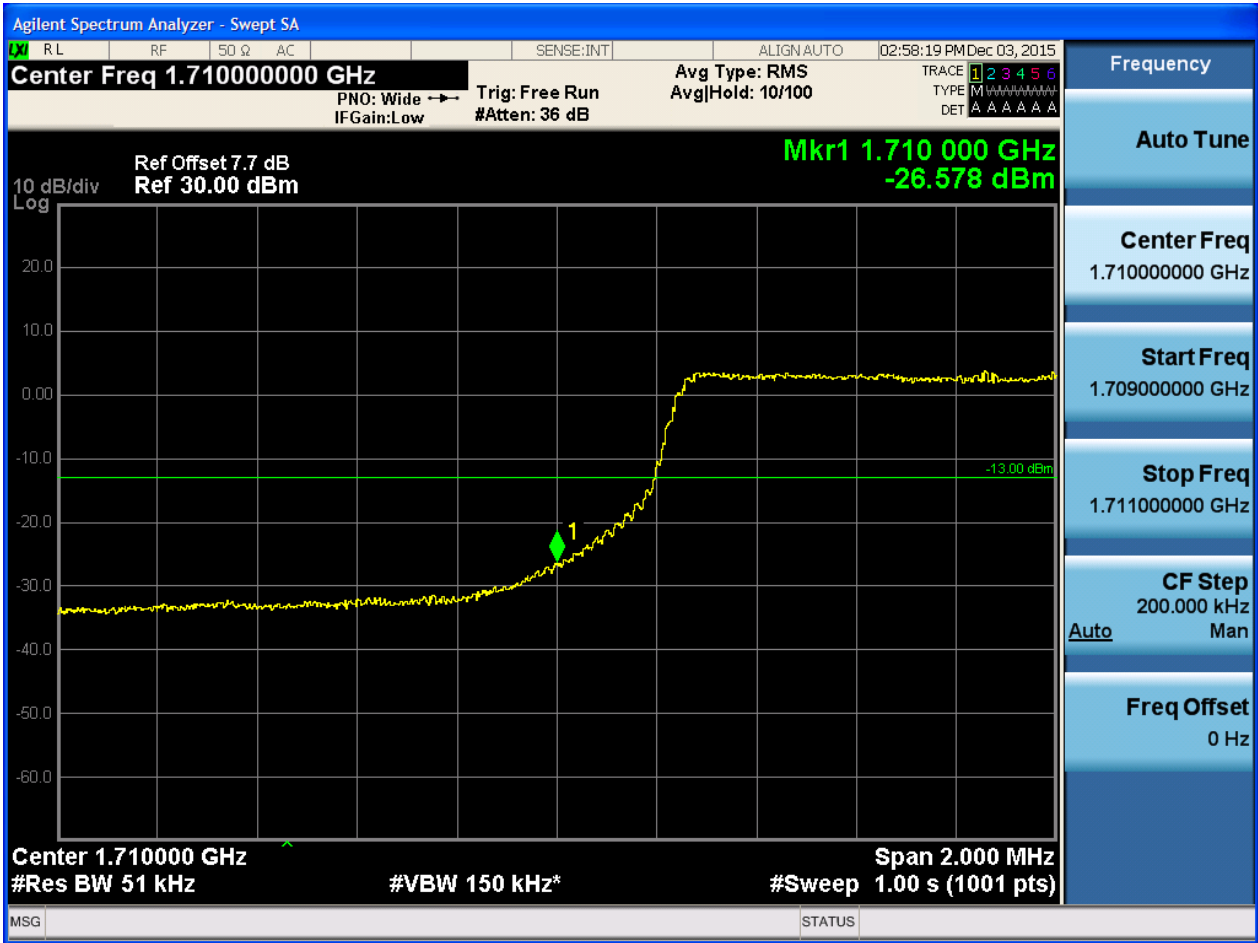


5.1.1.1.3.1.3 Test RB = RB12#6





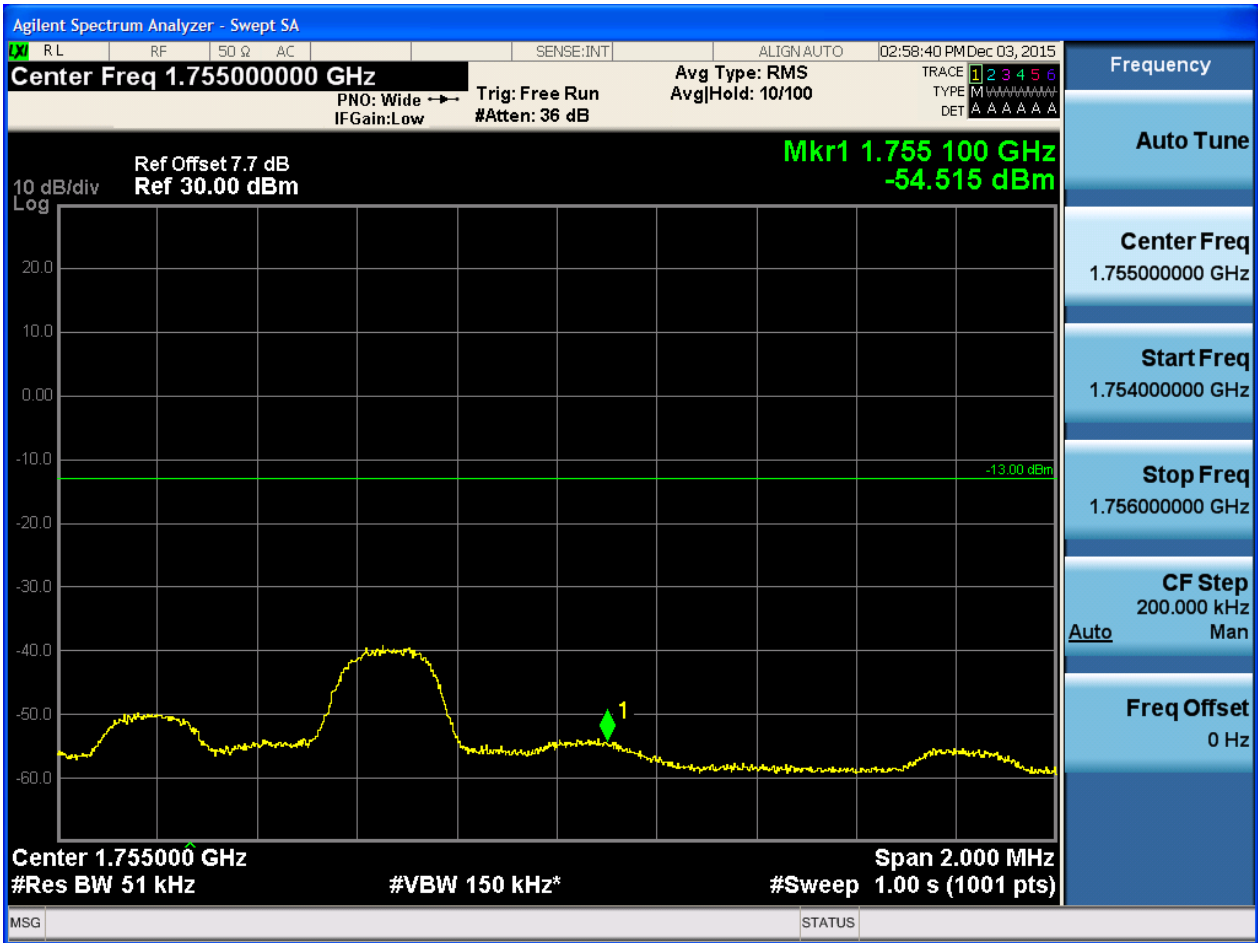
5.1.1.1.3.1.4 Test RB = RB25#0





5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0





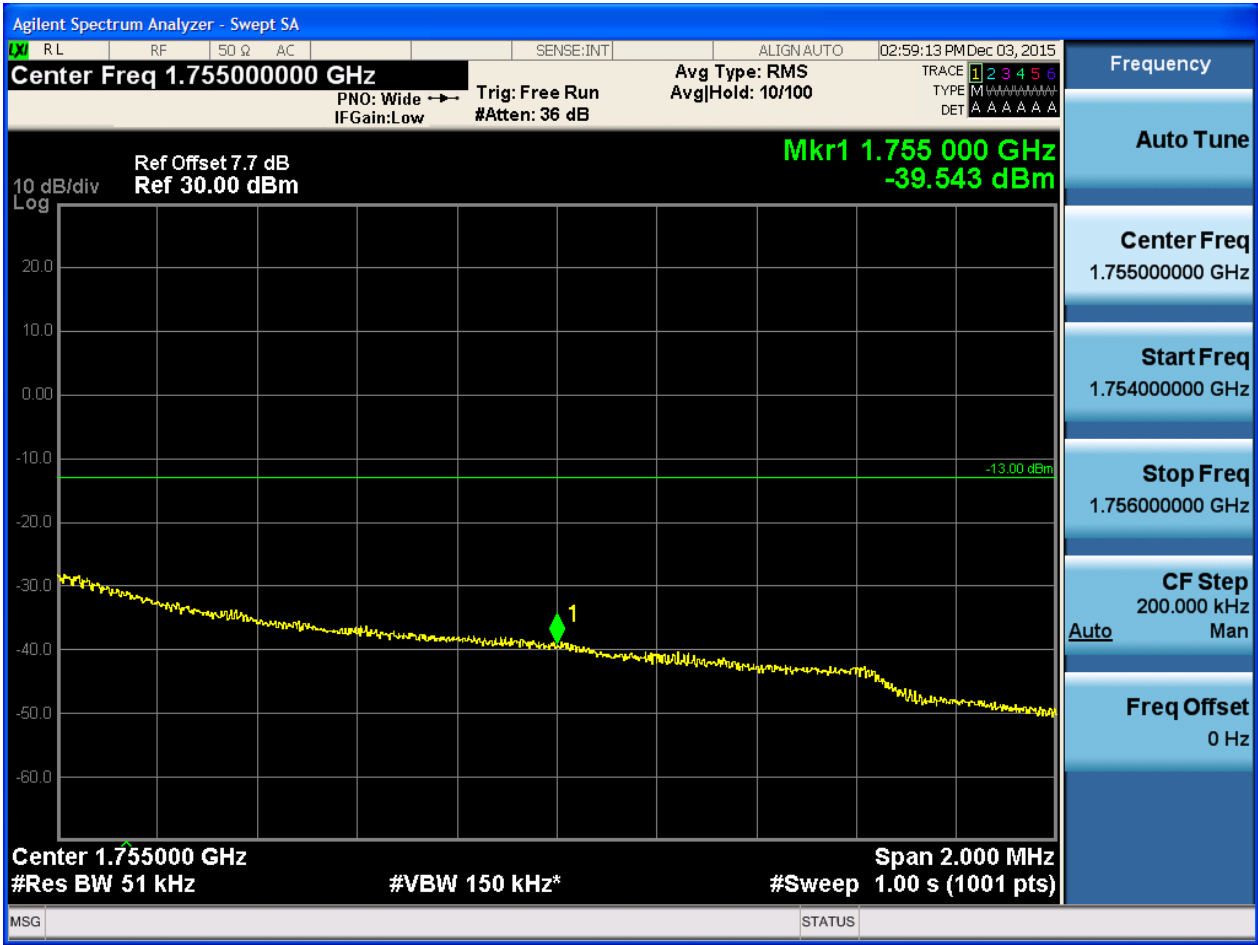
5.1.1.1.3.2.2 Test RB = RB1#24







5.1.1.1.3.2.3 Test RB = RB12#6





5.1.1.1.3.2.4 Test RB = RB25#0

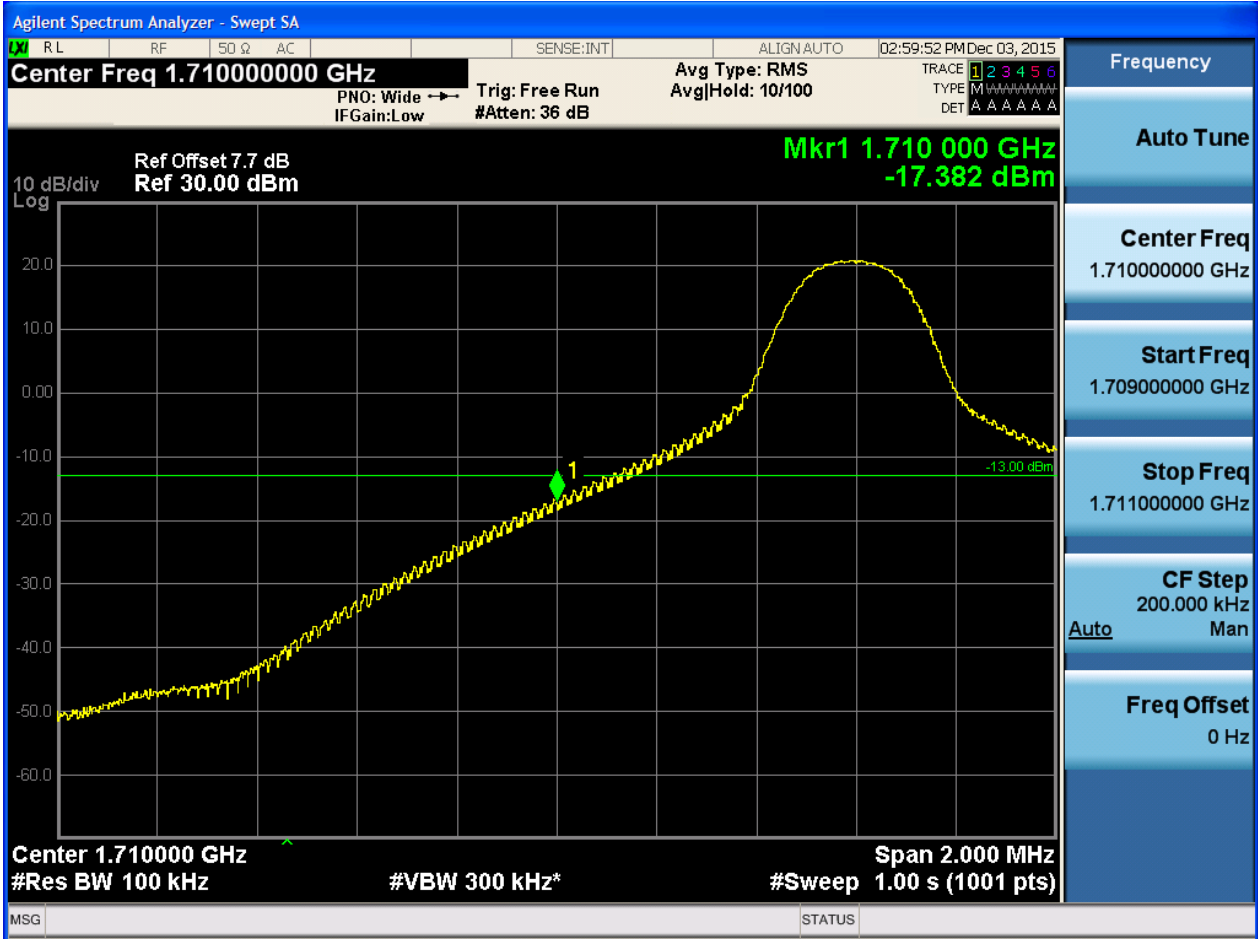




5.1.1.1.4 Test Bandwidth = 10

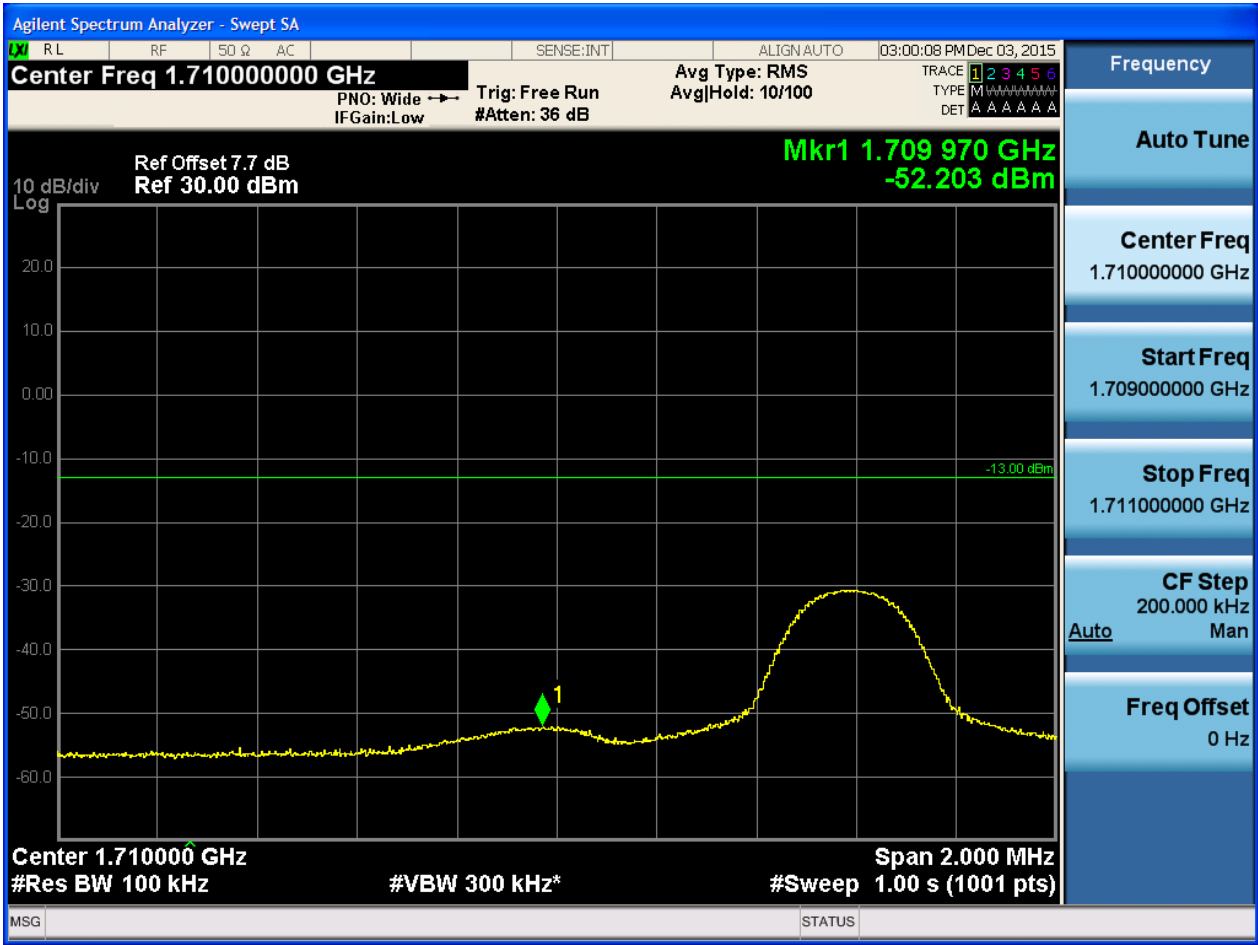
5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0





5.1.1.1.4.1.2 Test RB = RB1#49





5.1.1.1.4.1.3 Test RB = RB25#13





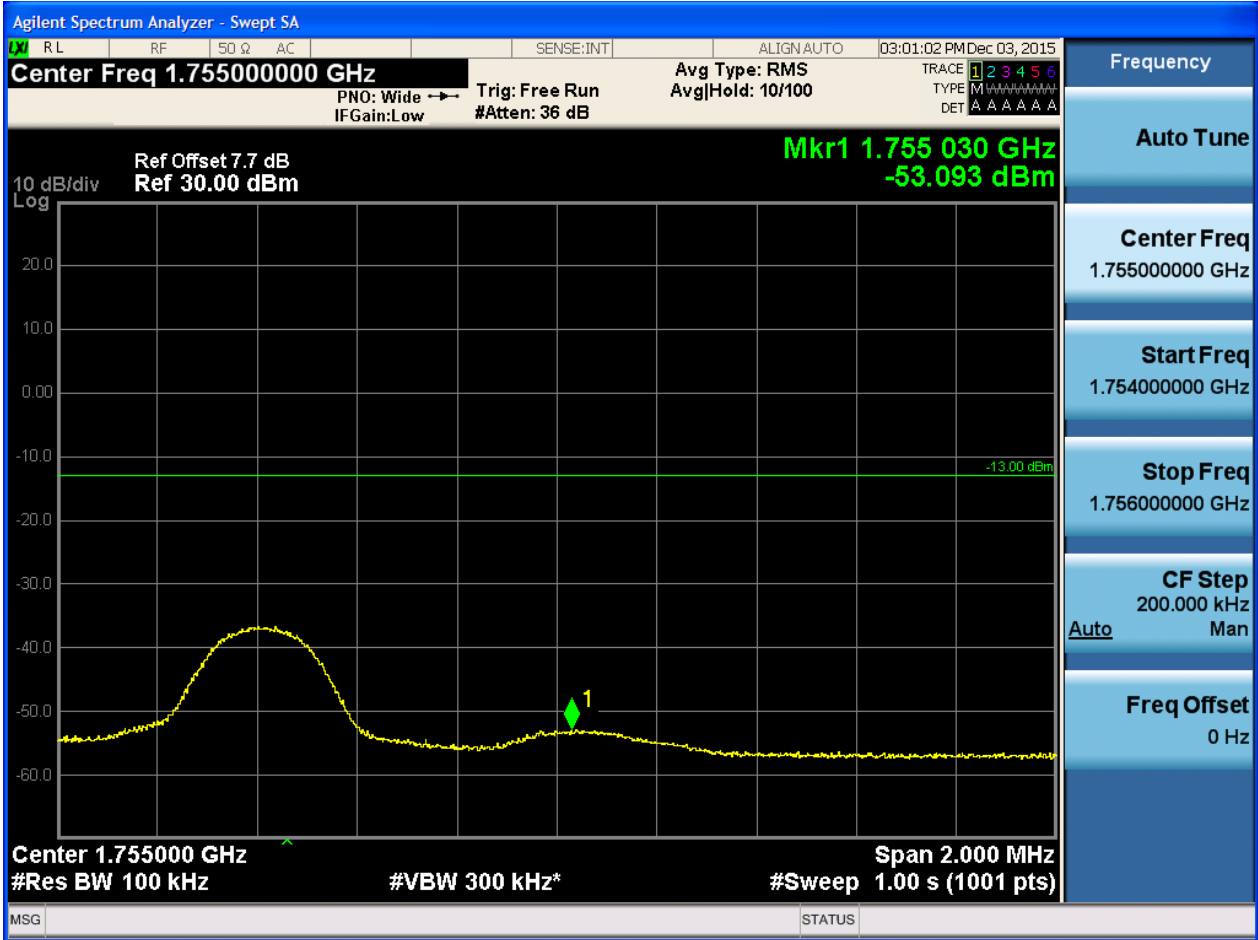
5.1.1.1.4.1.4 Test RB = RB50#0





5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0





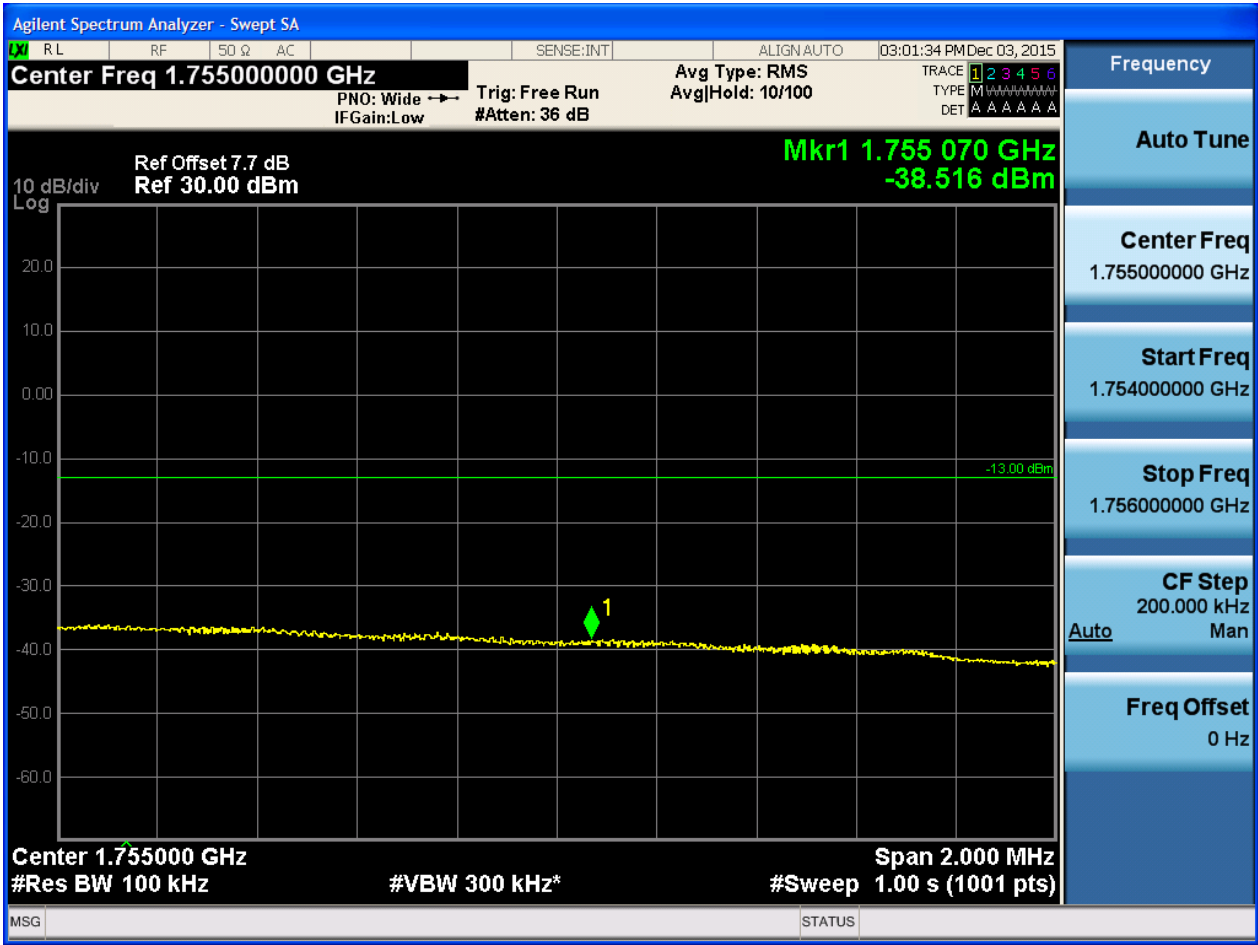
5.1.1.1.4.2.2 Test RB = RB1#49







5.1.1.1.4.2.3 Test RB = RB25#13





5.1.1.1.4.2.4 Test RB = RB50#0

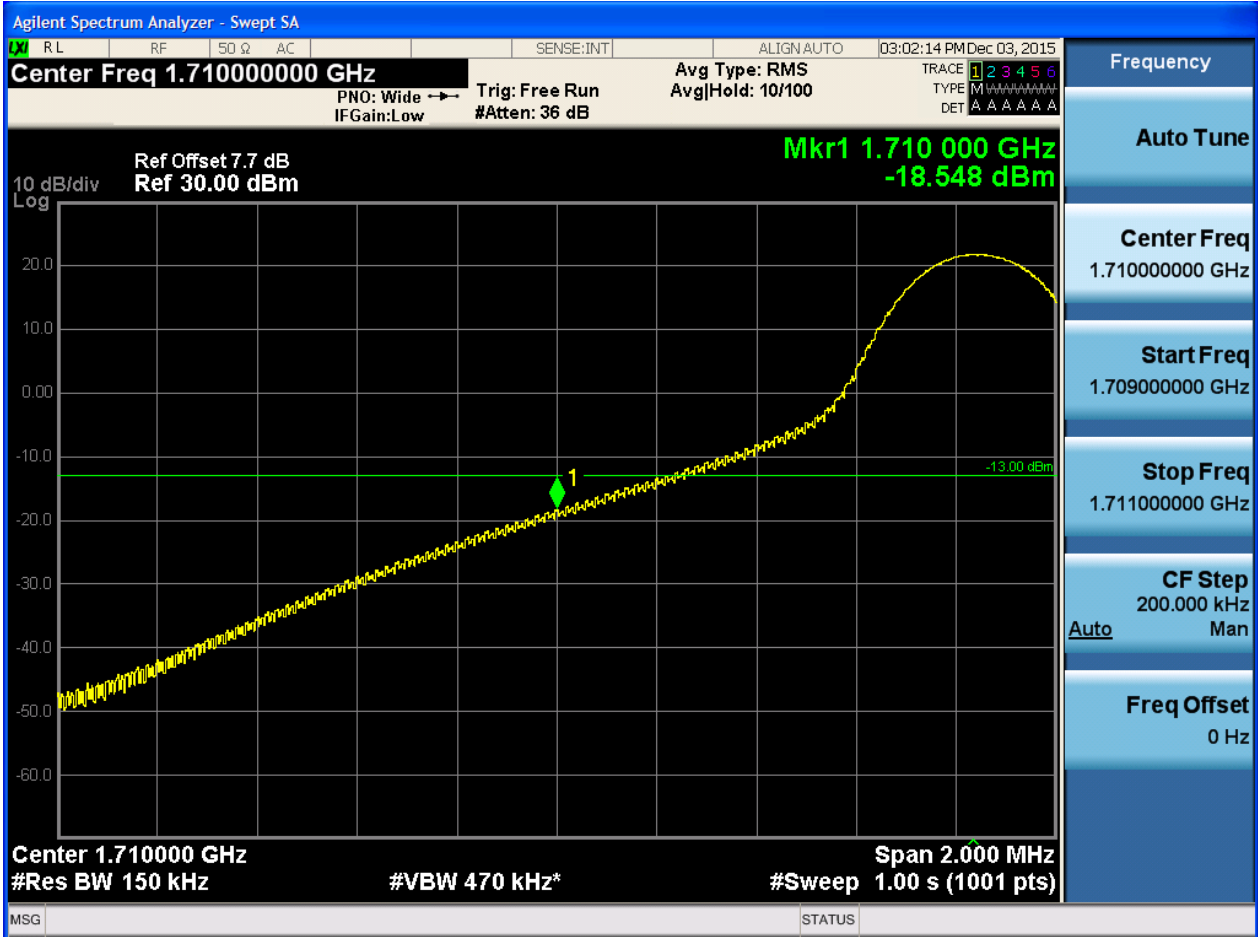




5.1.1.1.5 Test Bandwidth = 15

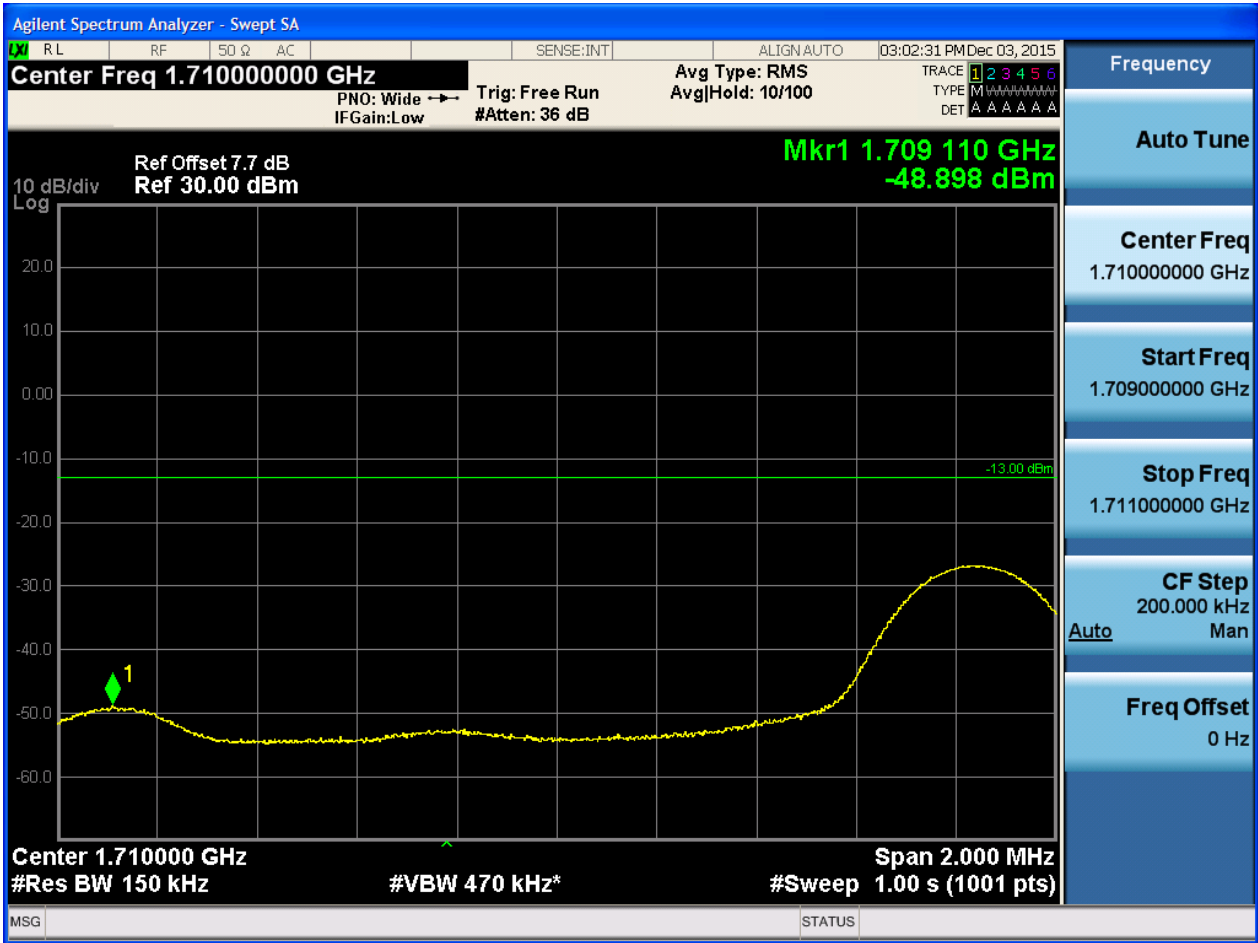
5.1.1.1.5.1 Test Channel = LCH

5.1.1.1.5.1.1 Test RB = RB1#0





5.1.1.1.5.1.2 Test RB = RB1#74



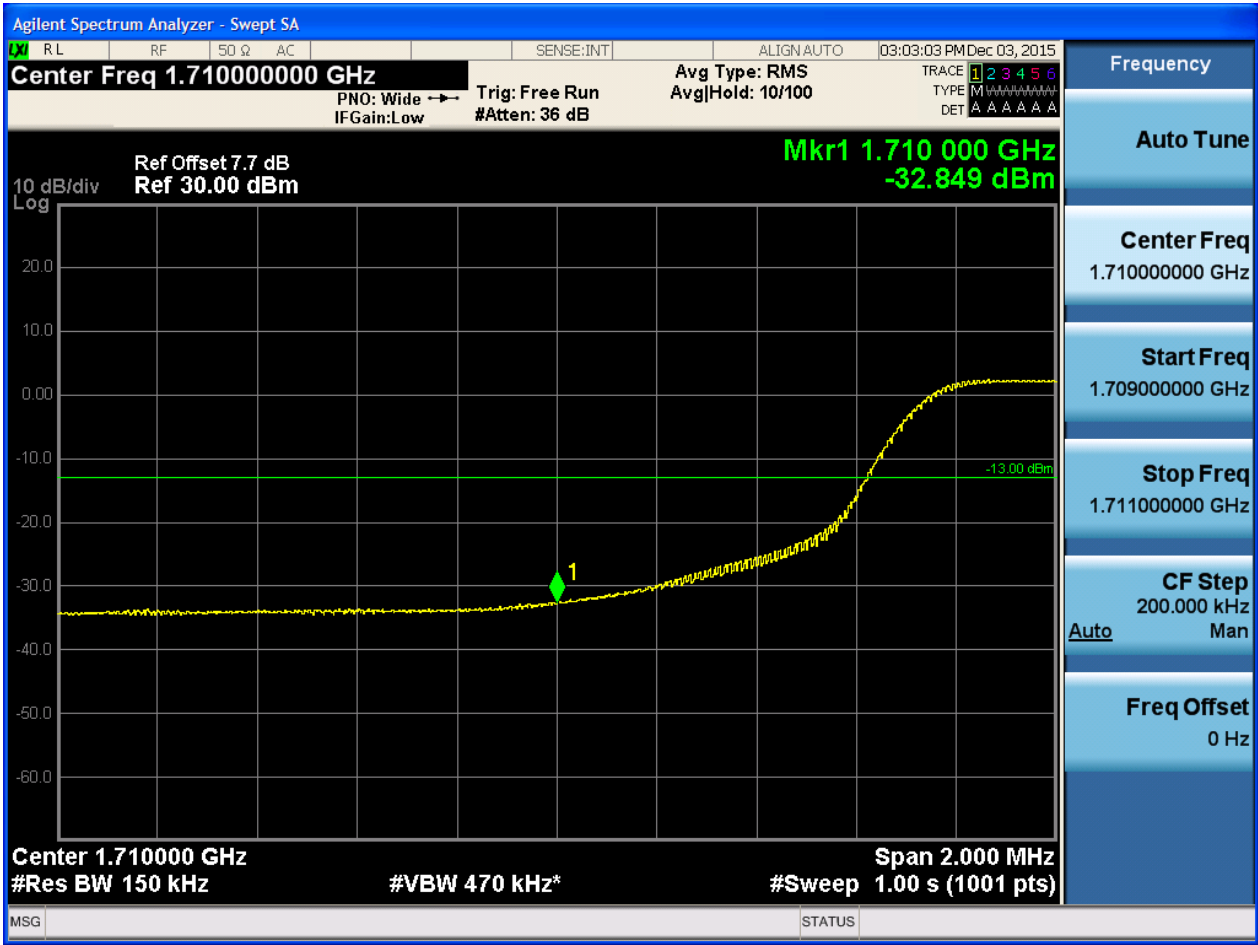


5.1.1.1.5.1.3 Test RB = RB38#19





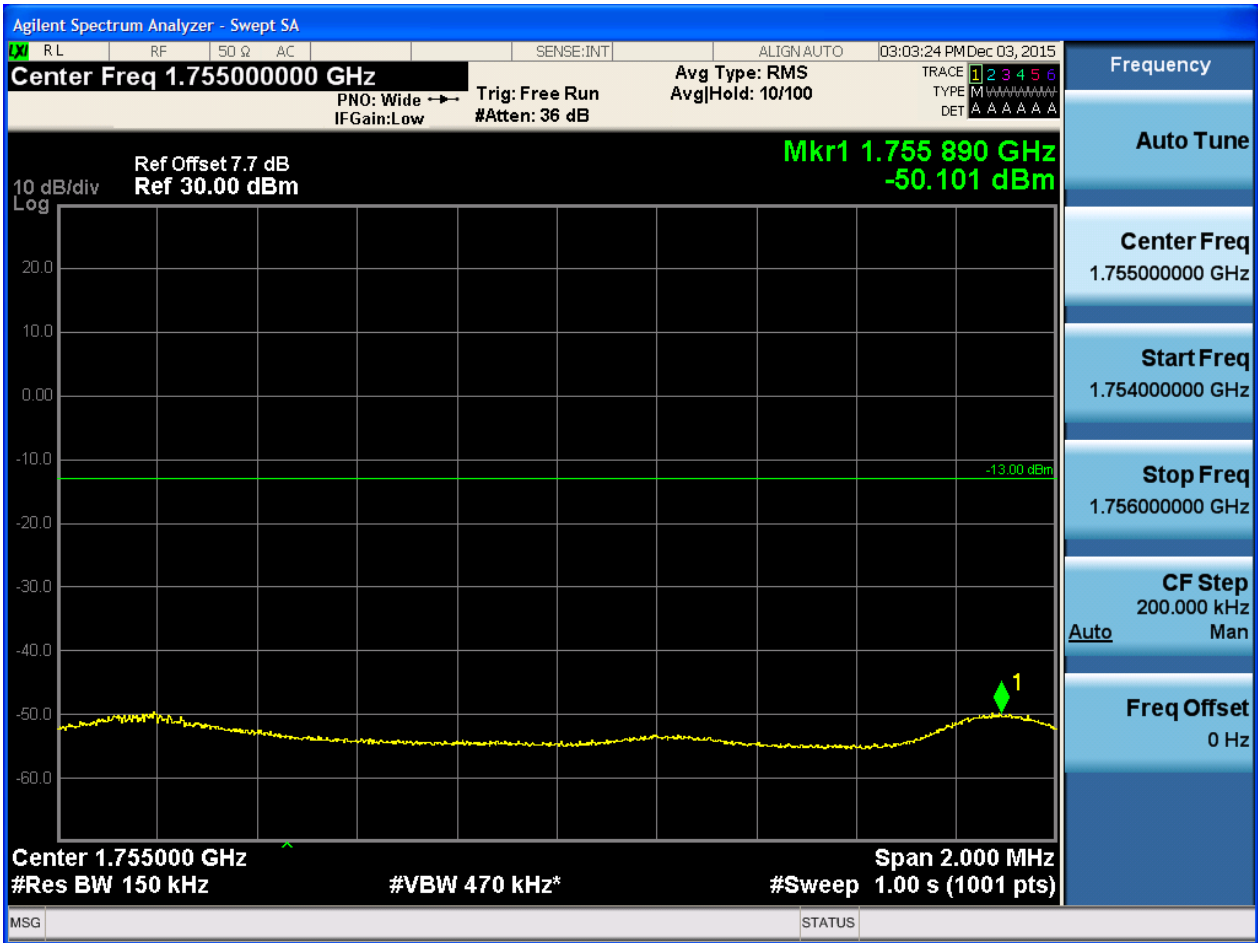
5.1.1.1.5.1.4 Test RB = RB75#0





5.1.1.1.5.2 Test Channel = HCH

5.1.1.1.5.2.1 Test RB = RB1#0





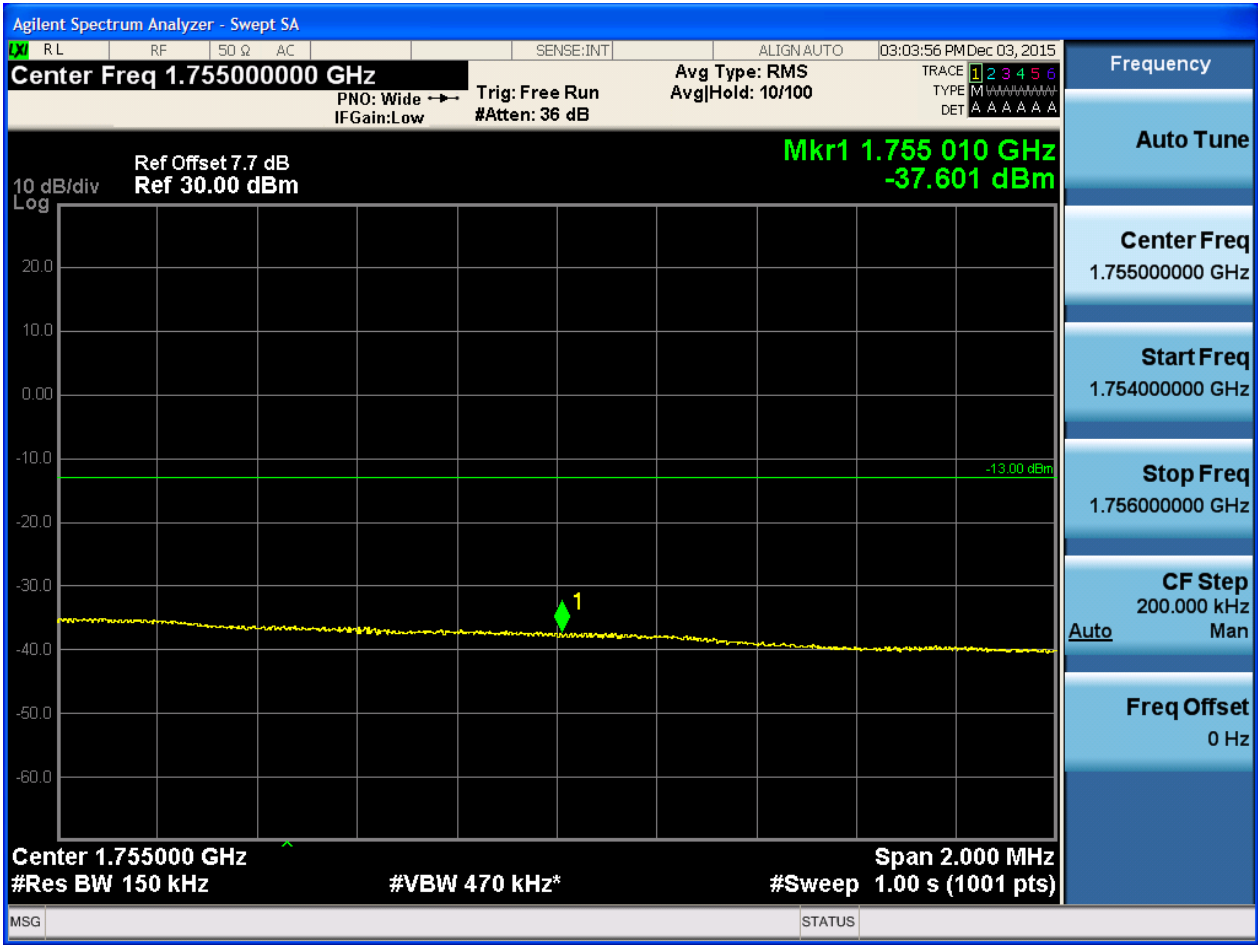
5.1.1.1.5.2.2 Test RB = RB1#74





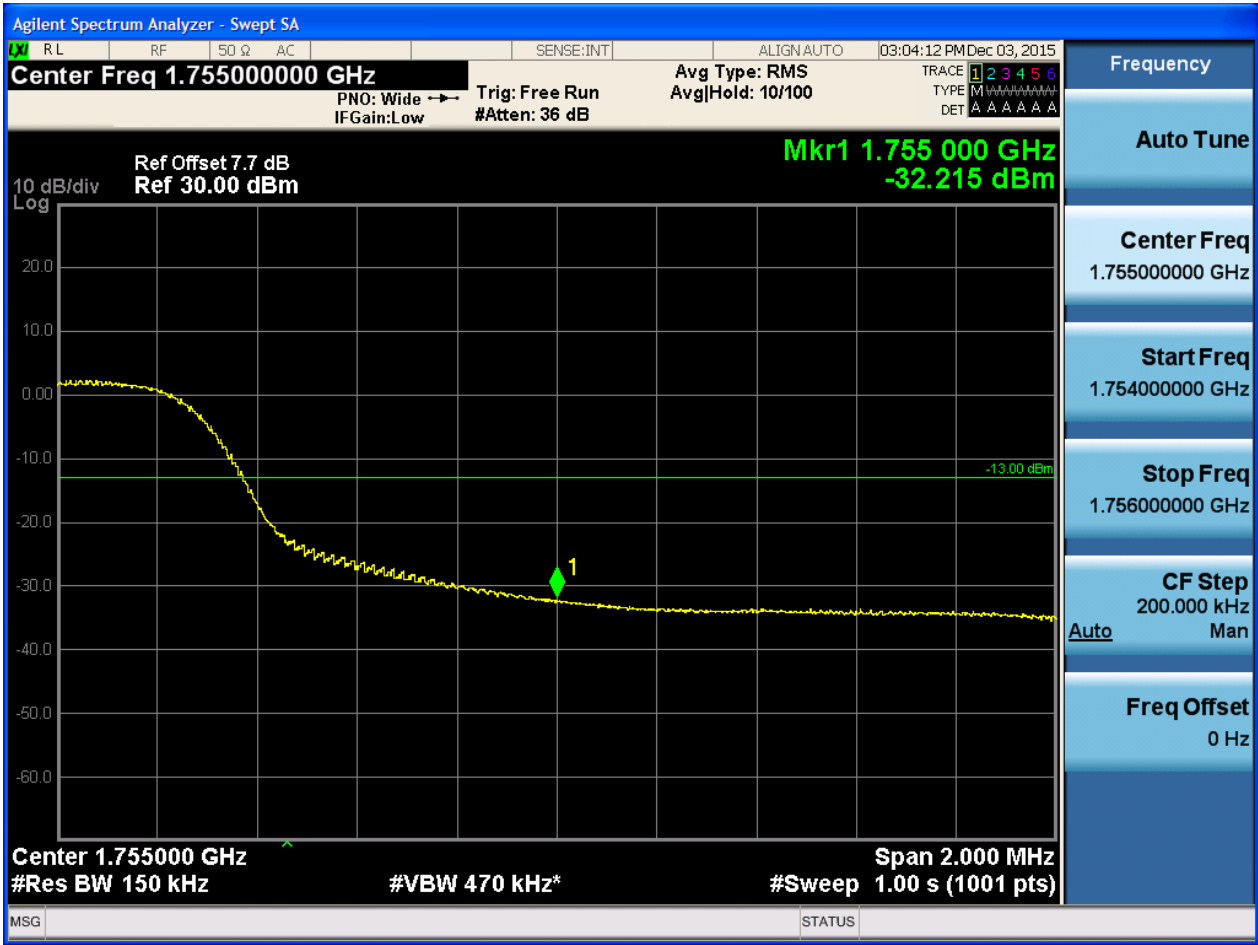


5.1.1.1.5.2.3 Test RB = RB38#19





5.1.1.1.5.2.4 Test RB = RB75#0

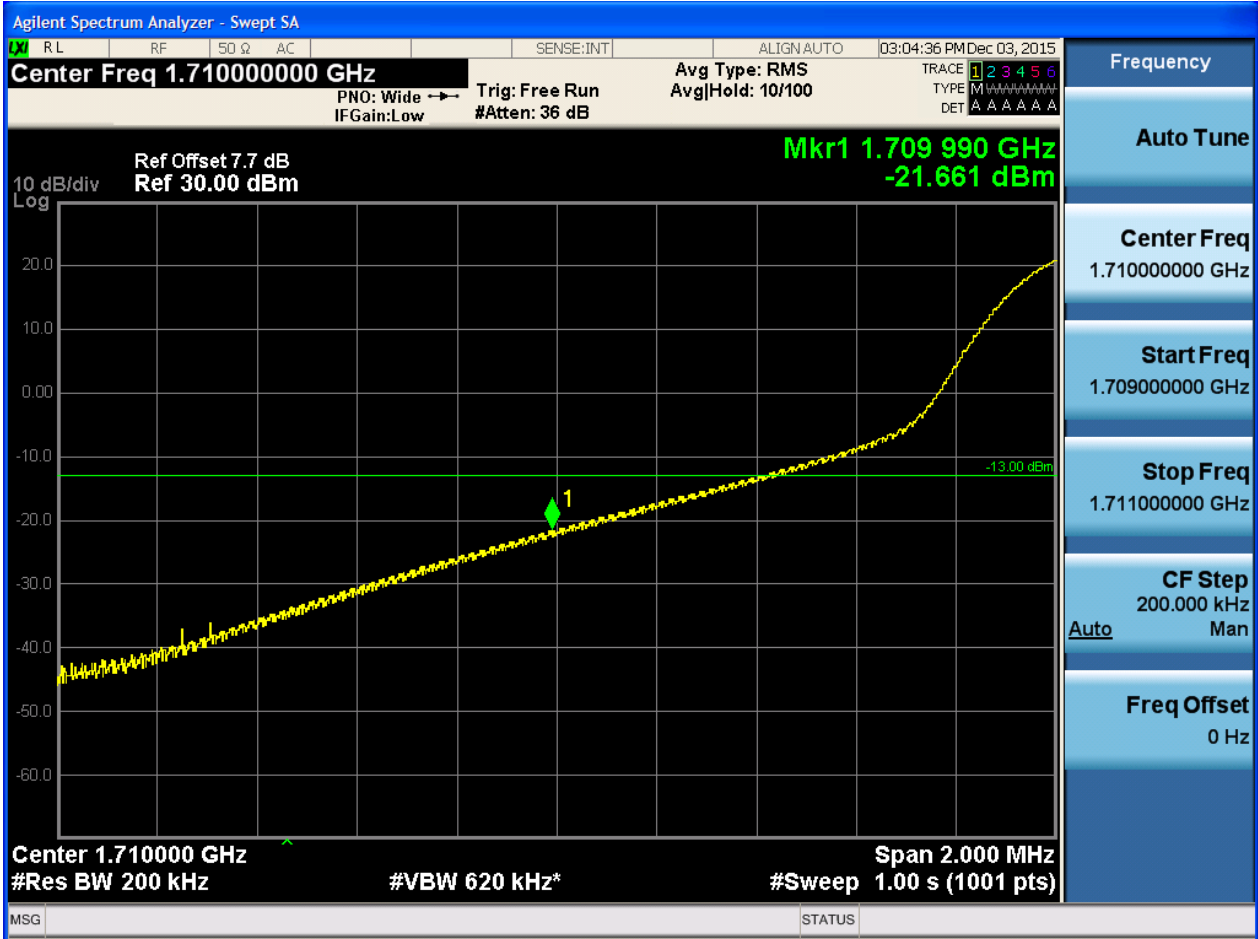




5.1.1.1.6 Test Bandwidth = 20

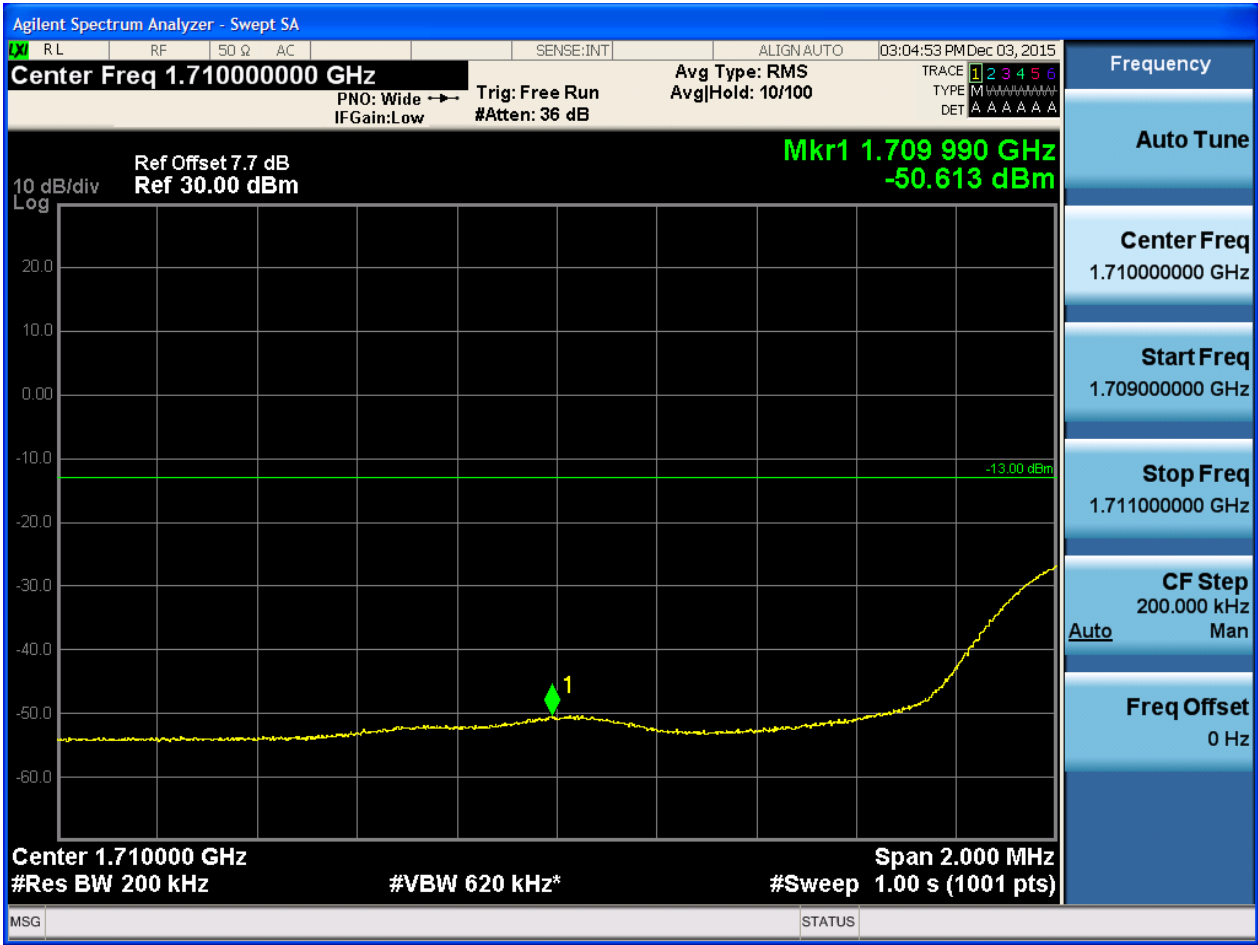
5.1.1.1.6.1 Test Channel = LCH

5.1.1.1.6.1.1 Test RB = RB1#0



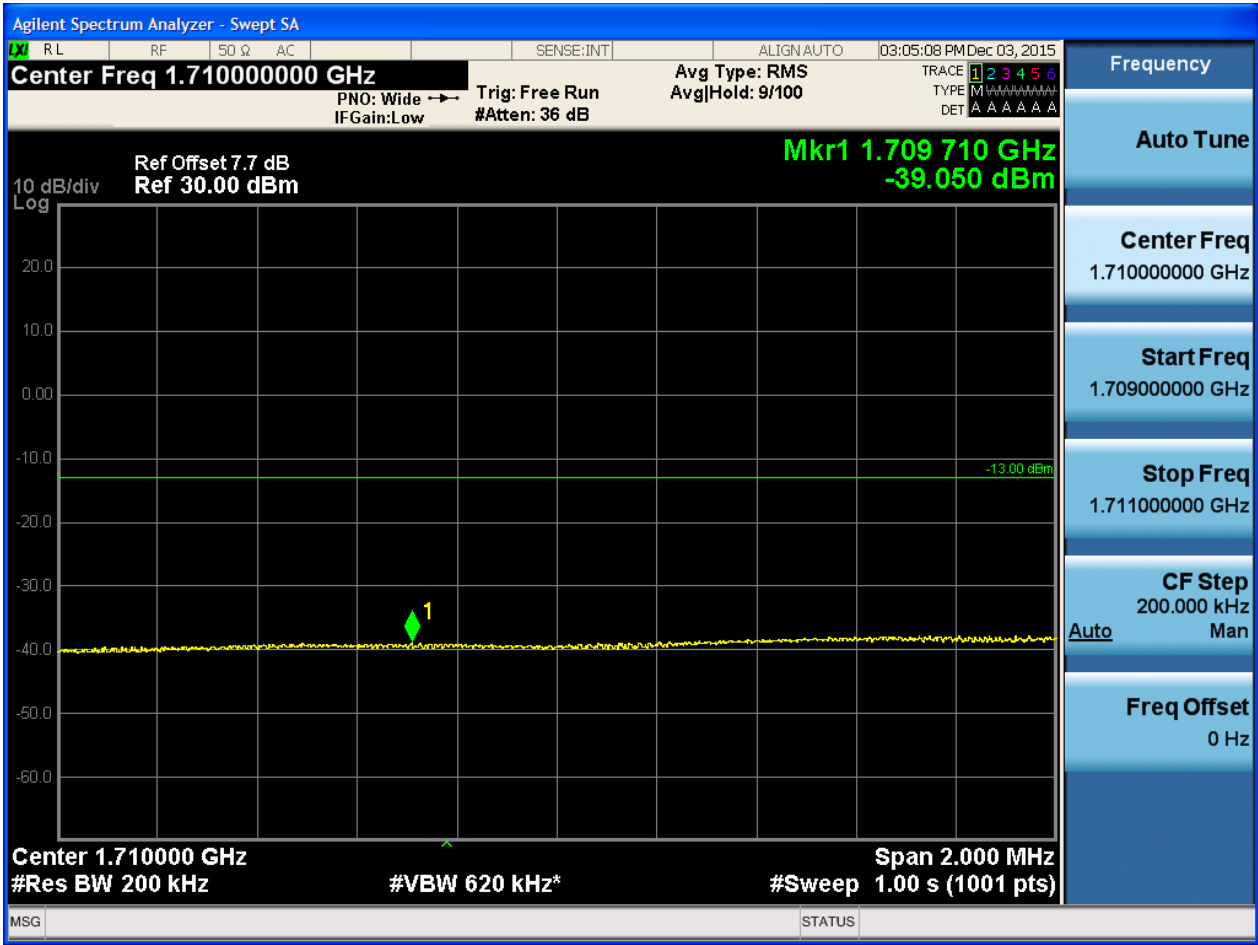


5.1.1.1.6.1.2 Test RB = RB1#99



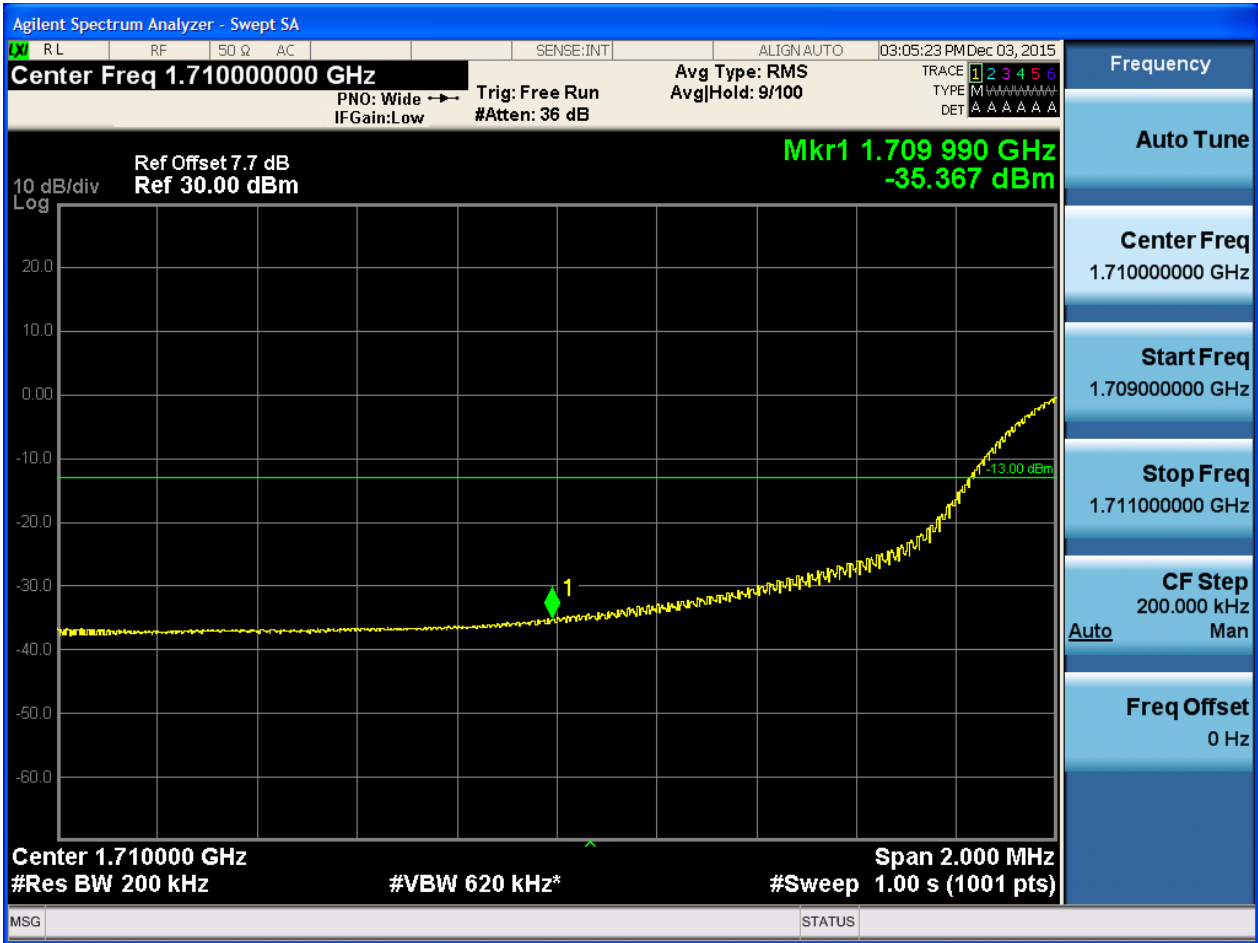


5.1.1.1.6.1.3 Test RB = RB50#25





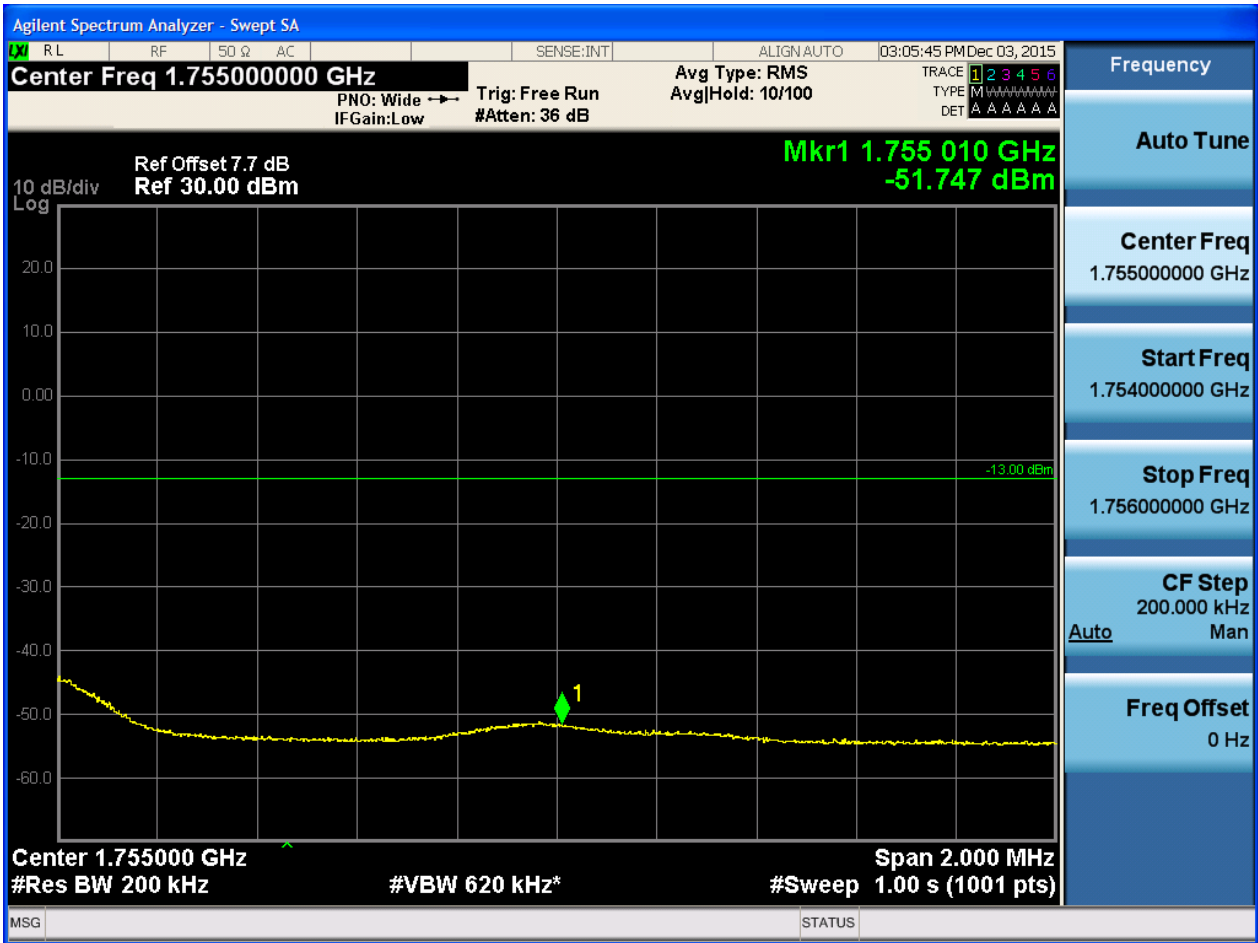
5.1.1.1.6.1.4 Test RB = RB100#0





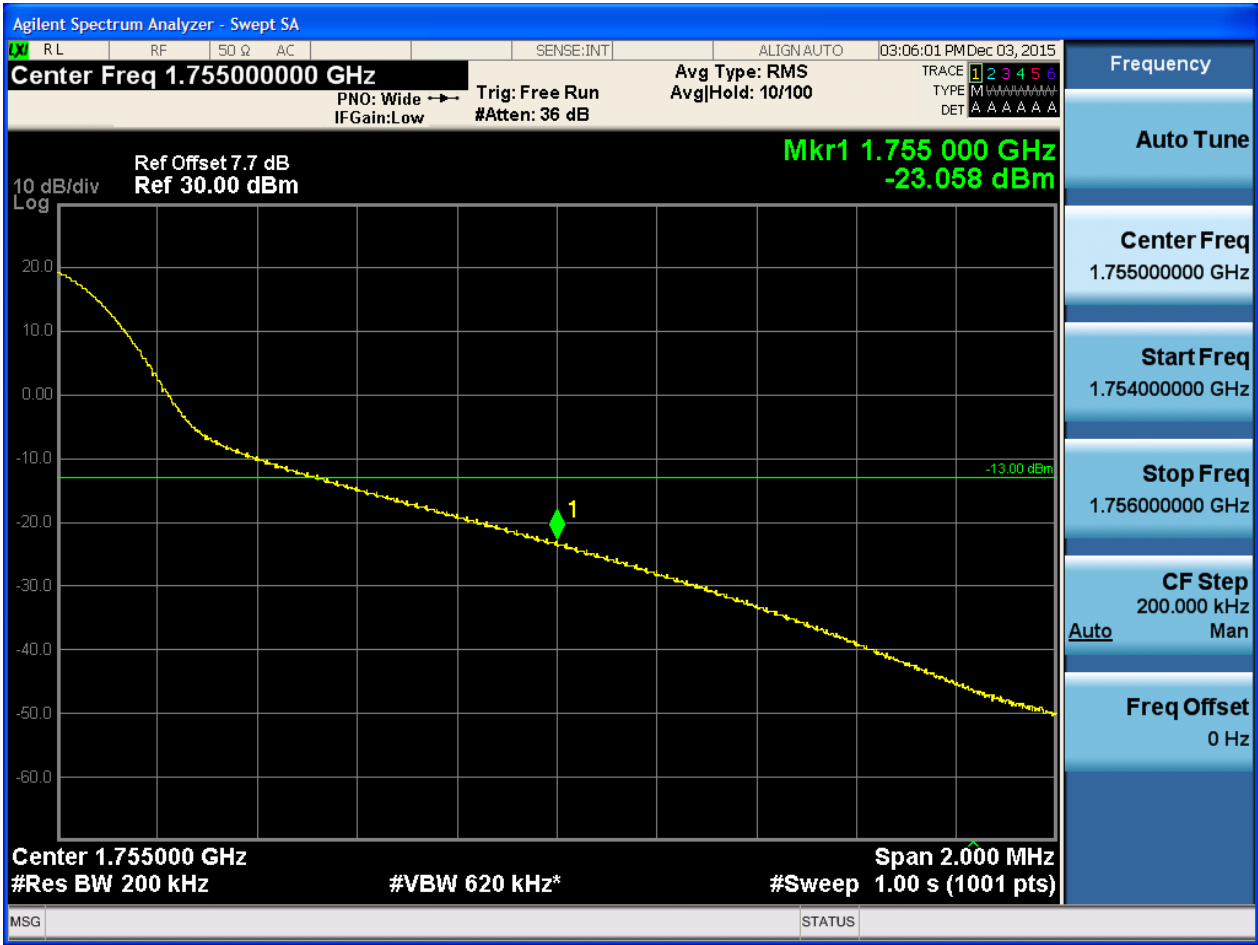
5.1.1.1.6.2 Test Channel = HCH

5.1.1.1.6.2.1 Test RB = RB1#0





5.1.1.1.6.2.2 Test RB = RB1#99







5.1.1.1.6.2.3 Test RB = RB50#25





5.1.1.1.6.2.4 Test RB = RB100#0



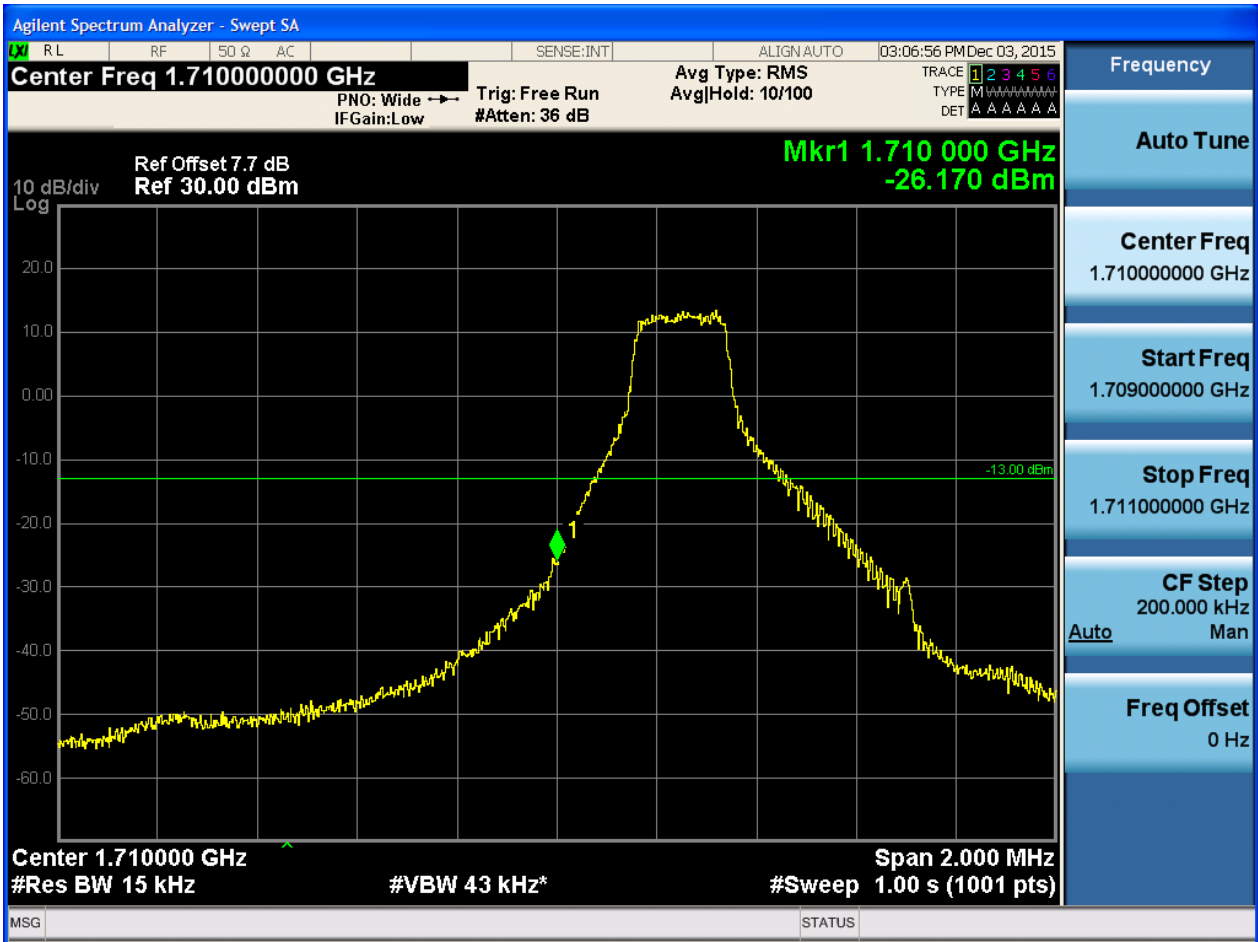


5.1.1.2 Test Mode = LTE/TM2

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





5.1.1.2.1.1.2 Test RB = RB1#5



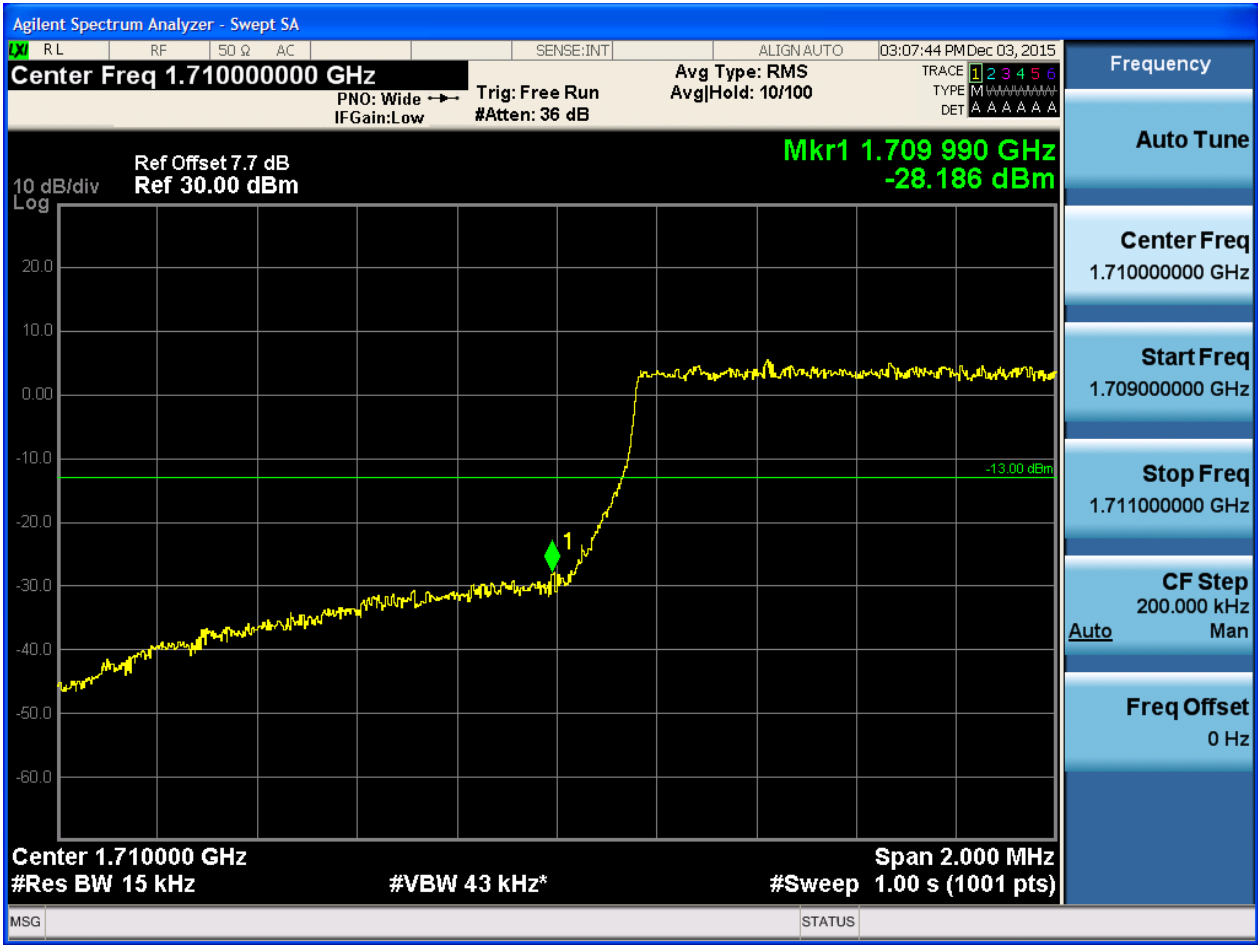


5.1.1.2.1.1.3 Test RB = RB3#2





5.1.1.2.1.1.4 Test RB = RB6#0





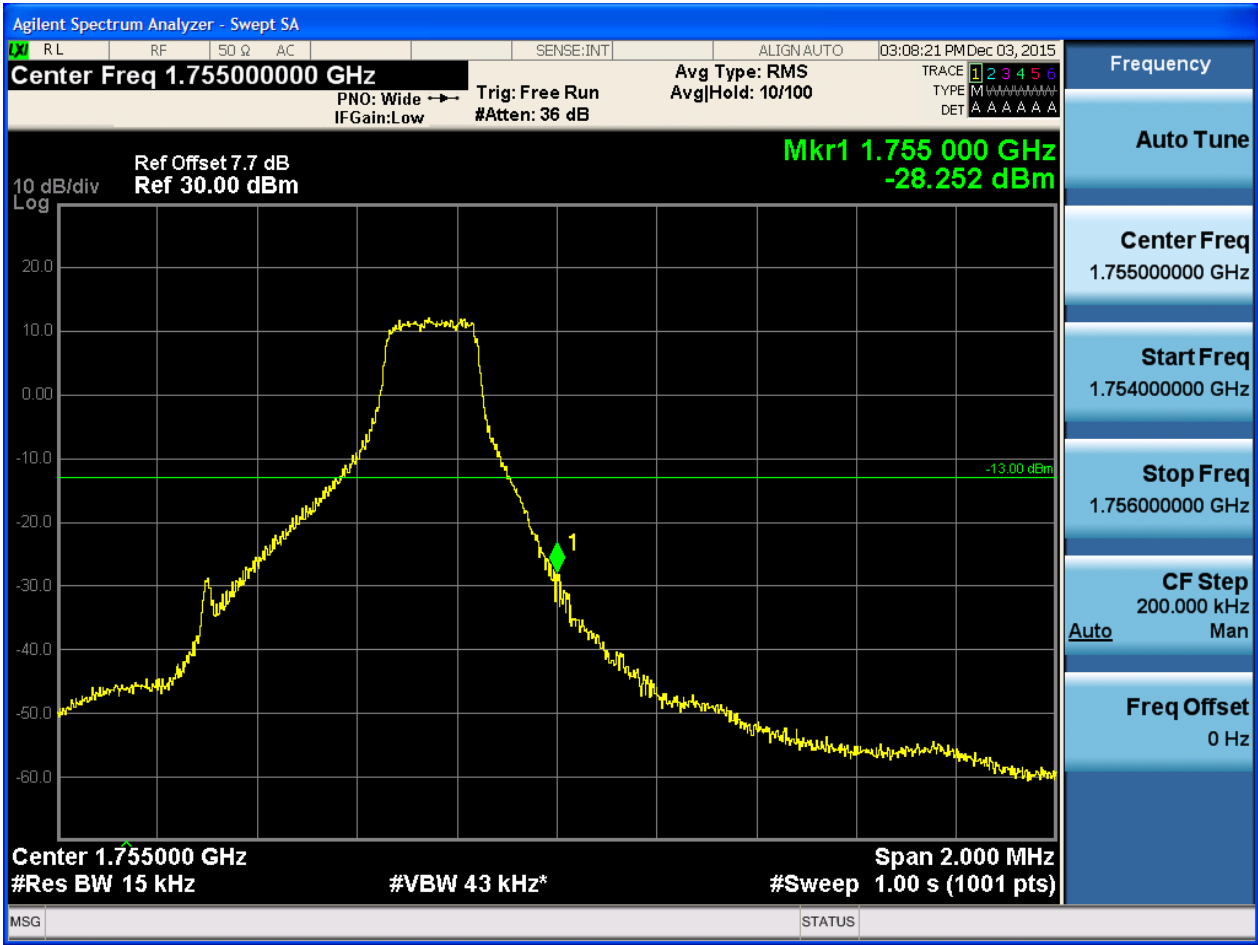
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0





5.1.1.2.1.2.2 Test RB = RB1#5





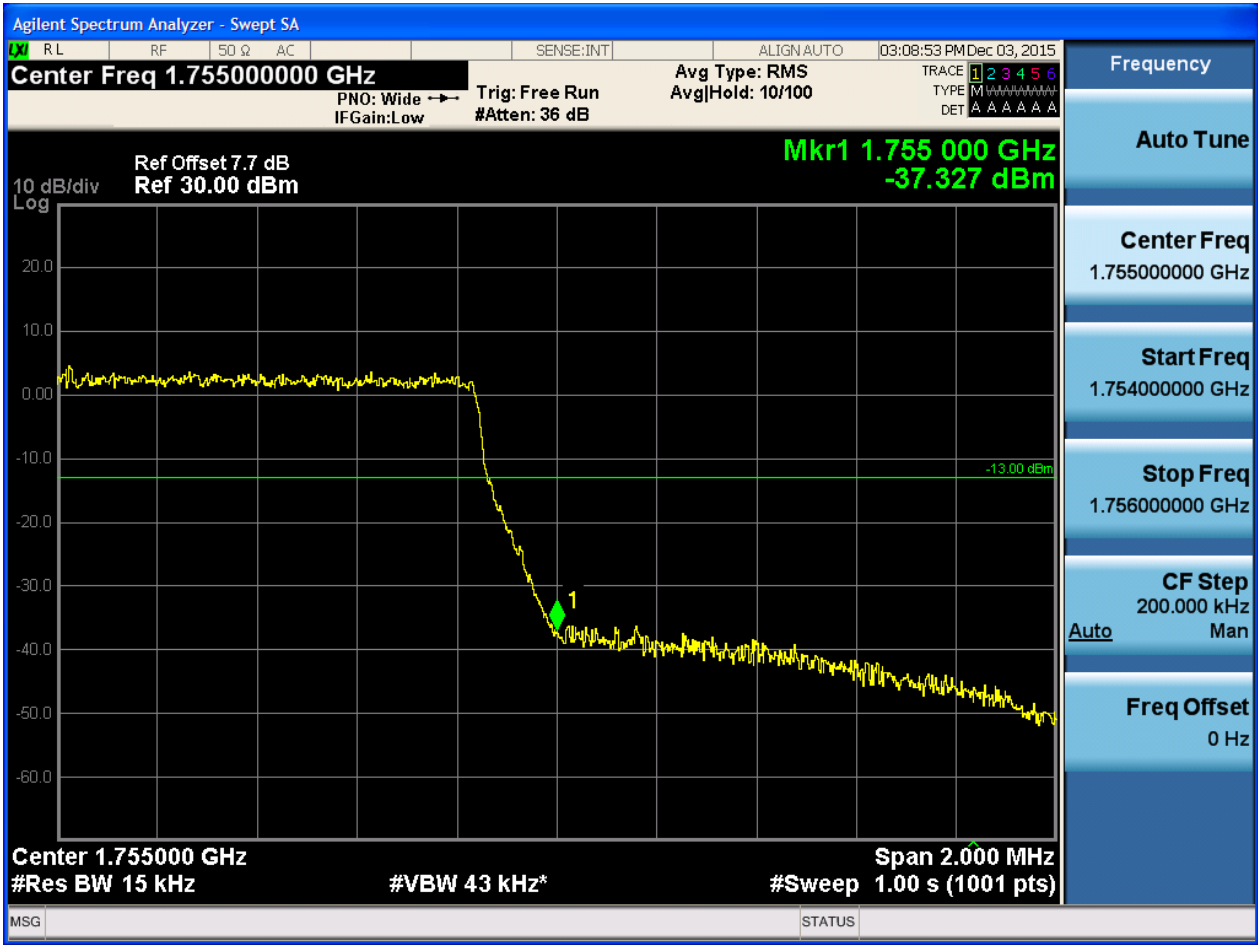


5.1.1.2.1.2.3 Test RB = RB3#2





5.1.1.2.1.2.4 Test RB = RB6#0

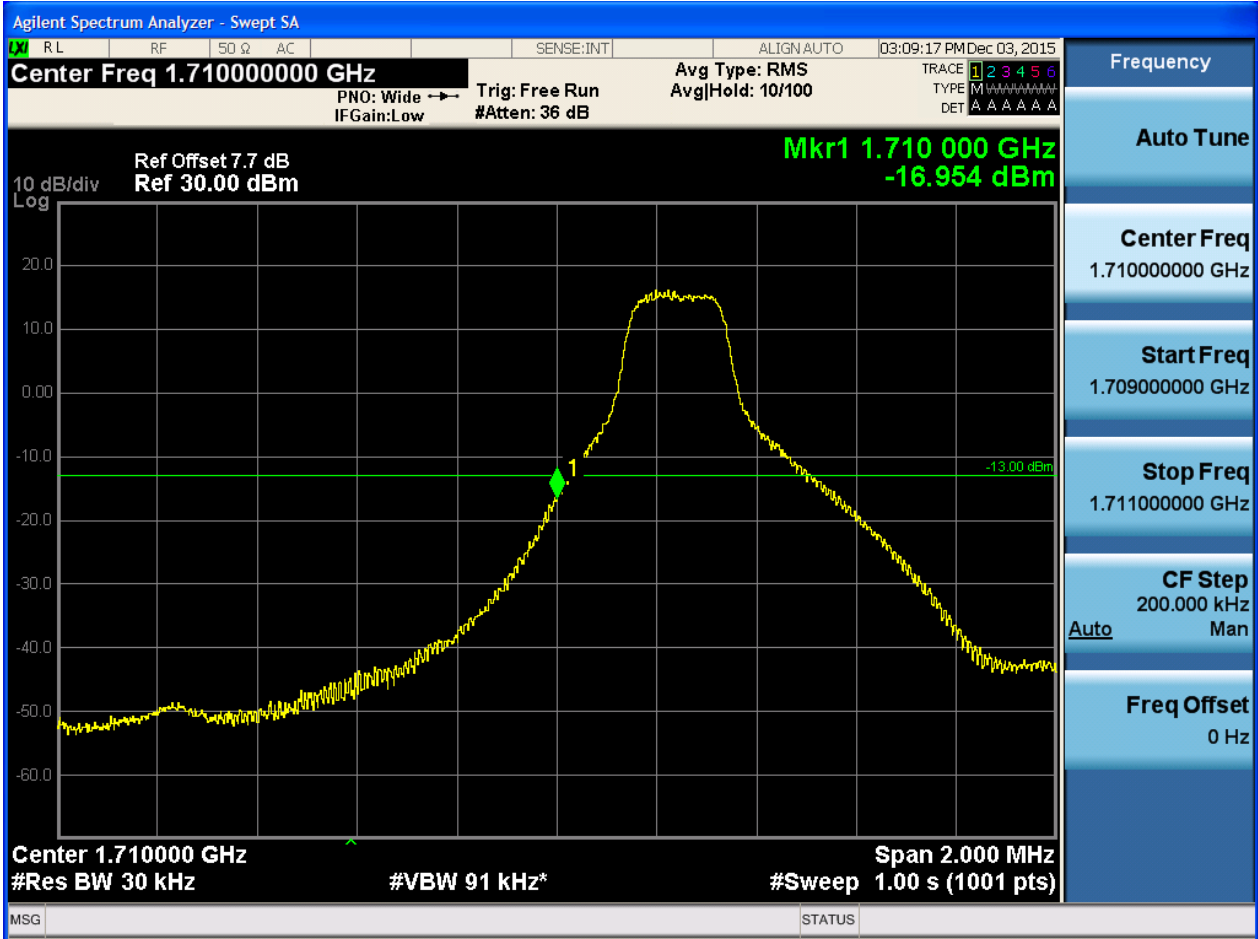




5.1.1.2.2 Test Bandwidth = 3

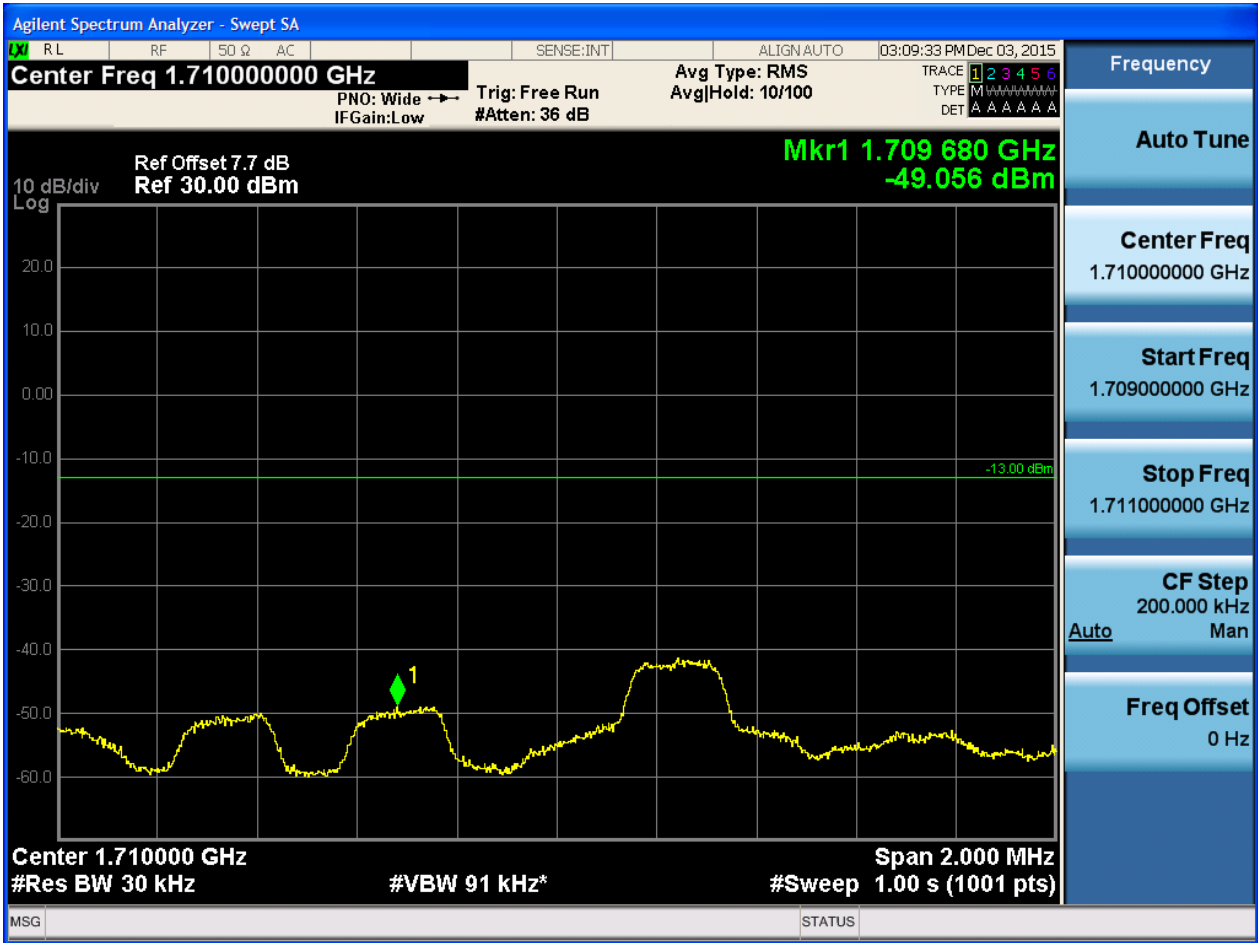
5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0





5.1.1.2.2.1.2 Test RB = RB1#14





5.1.1.2.2.1.3 Test RB = RB8#4

