



# 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	21.48	21.55	30	PASS
				RB1#3	21.51	21.60	30	PASS
				RB1#5	21.34	21.48	30	PASS
				RB3#0	21.51	21.56	30	PASS
				RB3#2	21.46	21.55	30	PASS
				RB3#3	21.39	21.52	30	PASS
				RB6#0	20.57	20.69	30	PASS
			MCH	RB1#0	21.97	22.10	30	PASS
				RB1#3	22.02	22.16	30	PASS
				RB1#5	21.99	22.04	30	PASS
				RB3#0	22	22.09	30	PASS
				RB3#2	22.01	22.09	30	PASS
				RB3#3	21.97	22.11	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	21.08	21.14	30	PASS
			HCH	RB1#0	22.14	22.23	30	PASS
				RB1#3	22.22	22.35	30	PASS
				RB1#5	22.21	22.27	30	PASS
				RB3#0	22.17	22.26	30	PASS
				RB3#2	22.24	22.35	30	PASS
				RB3#3	22.18	22.23	30	PASS
				RB6#0	21.17	21.31	30	PASS
		3		LCH	RB1#0	21.32	21.45	30
			RB1#7		21.46	21.59	30	PASS
			RB1#14		21.14	21.20	30	PASS
			RB8#0		20.53	20.65	30	PASS
			RB8#4		20.5	20.61	30	PASS
			RB8#7		20.44	20.50	30	PASS
			RB15#0		20.45	20.58	30	PASS
			MCH	RB1#0	21.88	21.97	30	PASS
				RB1#7	22.11	22.16	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict	
				RB1#14	21.76	21.84	30	PASS	
				RB8#0	21.06	21.11	30	PASS	
				RB8#4	21.07	21.12	30	PASS	
				RB8#7	20.97	21.07	30	PASS	
				RB15#0	21.02	21.10	30	PASS	
			HCH	RB1#0	21.92	22.03	30	PASS	
				RB1#7	22.2	22.32	30	PASS	
				RB1#14	22.04	22.17	30	PASS	
				RB8#0	21.05	21.19	30	PASS	
				RB8#4	21.08	21.21	30	PASS	
				RB8#7	21.05	21.15	30	PASS	
				RB15#0	21.03	21.09	30	PASS	
			5	LCH	RB1#0	21.99	22.08	30	PASS
					RB1#13	21.91	22.05	30	PASS
					RB1#24	21.83	21.97	30	PASS
RB12#0	20.87	21.01			30	PASS			
RB12#6	20.93	21.00			30	PASS			



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#13	20.75	20.82	30	PASS
				RB25#0	20.8	20.90	30	PASS
			MCH	RB1#0	22.39	22.47	30	PASS
				RB1#13	22.45	22.53	30	PASS
				RB1#24	22.26	22.33	30	PASS
				RB12#0	21.37	21.45	30	PASS
				RB12#6	21.49	21.58	30	PASS
				RB12#13	21.31	21.43	30	PASS
				RB25#0	21.34	21.40	30	PASS
				HCH	RB1#0	22.4	22.55	30
			RB1#13		22.48	22.56	30	PASS
			RB1#24		22.48	22.61	30	PASS
			RB12#0		21.4	21.54	30	PASS
			RB12#6		21.51	21.59	30	PASS
			RB12#13		21.44	21.51	30	PASS
			RB25#0		21.3	21.43	30	PASS
		10	LCH	RB1#0	21.92	22.06	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#25	21.94	22.06	30	PASS
				RB1#49	21.95	22.03	30	PASS
				RB25#0	20.8	20.88	30	PASS
				RB25#13	20.96	21.10	30	PASS
				RB25#25	20.86	20.98	30	PASS
				RB50#0	20.77	20.91	30	PASS
			MCH	RB1#0	22.41	22.47	30	PASS
				RB1#25	22.51	22.63	30	PASS
				RB1#49	22.35	22.40	30	PASS
				RB25#0	21.26	21.40	30	PASS
				RB25#13	21.39	21.51	30	PASS
				RB25#25	21.24	21.37	30	PASS
				RB50#0	21.25	21.39	30	PASS
			HCH	RB1#0	22.18	22.29	30	PASS
				RB1#25	22.36	22.41	30	PASS
				RB1#49	22.62	22.69	30	PASS
				RB25#0	21.2	21.31	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict	
				RB25#13	21.37	21.50	30	PASS	
				RB25#25	21.34	21.46	30	PASS	
				RB50#0	21.22	21.34	30	PASS	
		15	LCH	RB1#0	21.98	22.10	30	PASS	
				RB1#38	21.99	22.08	30	PASS	
				RB1#74	22.31	22.40	30	PASS	
				RB38#0	20.92	20.99	30	PASS	
				RB38#19	21.06	21.12	30	PASS	
				RB38#39	21.04	21.17	30	PASS	
				RB75#0	20.94	21.06	30	PASS	
				MCH	RB1#0	22.39	22.53	30	PASS
			RB1#38		22.44	22.51	30	PASS	
			RB1#74		22.38	22.47	30	PASS	
			RB38#0		21.32	21.44	30	PASS	
			RB38#19		21.34	21.49	30	PASS	
			RB38#39		21.32	21.46	30	PASS	
			RB75#0		21.31	21.36	30	PASS	



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict	
			HCH	RB1#0	22.21	22.30	30	PASS	
				RB1#38	22.3	22.35	30	PASS	
				RB1#74	22.7	22.84	30	PASS	
				RB38#0	21.25	21.35	30	PASS	
				RB38#19	21.29	21.37	30	PASS	
				RB38#39	21.24	21.36	30	PASS	
				RB75#0	21.29	21.40	30	PASS	
		20	LCH	RB1#0	21.91	22.05	30	PASS	
				RB1#50	22.14	22.27	30	PASS	
				RB1#99	22.22	22.36	30	PASS	
				RB50#0	20.91	21.04	30	PASS	
				RB50#25	21.05	21.14	30	PASS	
				RB50#50	21.07	21.17	30	PASS	
				RB100#0	21	21.14	30	PASS	
				MCH	RB1#0	22.17	22.28	30	PASS
					RB1#50	22.48	22.58	30	PASS
					RB1#99	21.98	22.09	30	PASS





Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.22	21.30	30	PASS
				RB50#25	21.39	21.49	30	PASS
				RB50#50	21.33	21.48	30	PASS
				RB100#0	21.22	21.34	30	PASS
			HCH	RB1#0	22.25	22.38	30	PASS
				RB1#50	22.16	22.29	30	PASS
				RB1#99	22.32	22.40	30	PASS
				RB50#0	21.27	21.34	30	PASS
	RB50#25	21.29	21.43	30	PASS			
	RB50#50	21.13	21.26	30	PASS			
	RB100#0	21.28	21.36	30	PASS			
	LTE/TM2	1.4	LCH	RB1#0	20.69	20.75	30	PASS
				RB1#3	20.61	20.72	30	PASS
				RB1#5	20.5	20.65	30	PASS
RB3#0				20.55	20.62	30	PASS	
RB3#2				20.55	20.60	30	PASS	
RB3#3				20.49	20.64	30	PASS	



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	20.57	20.67	30	PASS
			MCH	RB1#0	21.17	21.27	30	PASS
				RB1#3	21.26	21.40	30	PASS
				RB1#5	21.16	21.22	30	PASS
				RB3#0	21.22	21.30	30	PASS
				RB3#2	21.22	21.33	30	PASS
				RB3#3	21.21	21.35	30	PASS
				RB6#0	21.13	21.28	30	PASS
				HCH	RB1#0	21.31	21.45	30
			RB1#3		21.35	21.43	30	PASS
			RB1#5		21.3	21.37	30	PASS
			RB3#0		21.08	21.15	30	PASS
			RB3#2		21.14	21.19	30	PASS
			RB3#3		21.08	21.13	30	PASS
			RB6#0		21.12	21.23	30	PASS
		3	LCH	RB1#0	20.59	20.66	30	PASS
				RB1#7	20.63	20.70	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	20.38	20.47	30	PASS
				RB8#0	20.53	20.60	30	PASS
				RB8#4	20.46	20.53	30	PASS
				RB8#7	20.38	20.45	30	PASS
				RB15#0	20.48	20.54	30	PASS
			MCH	RB1#0	20.86	21.01	30	PASS
			MCH	RB1#7	21.11	21.20	30	PASS
			MCH	RB1#14	20.86	21.00	30	PASS
			MCH	RB8#0	21.1	21.24	30	PASS
			MCH	RB8#4	21.11	21.23	30	PASS
			MCH	RB8#7	21	21.07	30	PASS
			MCH	RB15#0	21.07	21.16	30	PASS
			HCH	RB1#0	21.09	21.16	30	PASS
			HCH	RB1#7	21.35	21.48	30	PASS
			HCH	RB1#14	21.2	21.32	30	PASS
			HCH	RB8#0	21.02	21.14	30	PASS
			HCH	RB8#4	21.03	21.16	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#7	21	21.11	30	PASS
				RB15#0	20.92	21.06	30	PASS
		5	LCH	RB1#0	21.26	21.37	30	PASS
				RB1#13	21.14	21.27	30	PASS
				RB1#24	21.11	21.23	30	PASS
				RB12#0	20.91	20.96	30	PASS
				RB12#6	20.94	21.01	30	PASS
				RB12#13	20.8	20.92	30	PASS
				RB25#0	20.76	20.83	30	PASS
				MCH	RB1#0	21.68	21.77	30
			RB1#13		21.72	21.82	30	PASS
			RB1#24		21.5	21.57	30	PASS
			RB12#0		21.32	21.46	30	PASS
			RB12#6		21.42	21.53	30	PASS
			RB12#13		21.25	21.37	30	PASS
			RB25#0		21.28	21.41	30	PASS
			HCH	RB1#0	21.8	21.91	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict	
				RB1#13	21.87	21.96	30	PASS	
				RB1#24	21.88	21.96	30	PASS	
				RB12#0	21.35	21.41	30	PASS	
				RB12#6	21.44	21.52	30	PASS	
				RB12#13	21.37	21.52	30	PASS	
				RB25#0	21.24	21.33	30	PASS	
		10	LCH	RB1#0	20.95	21.06	30	PASS	
				RB1#25	21.28	21.34	30	PASS	
				RB1#49	21.17	21.23	30	PASS	
				RB25#0	20.81	20.93	30	PASS	
				RB25#13	20.95	21.09	30	PASS	
				RB25#25	20.85	20.99	30	PASS	
				RB50#0	20.71	20.76	30	PASS	
				MCH	RB1#0	21.59	21.68	30	PASS
					RB1#25	21.63	21.69	30	PASS
					RB1#49	21.46	21.57	30	PASS
RB25#0	21.2	21.29	30		PASS				

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.31	21.40	30	PASS
				RB25#25	21.21	21.35	30	PASS
				RB50#0	21.18	21.31	30	PASS
			HCH	RB1#0	21.43	21.49	30	PASS
				RB1#25	21.66	21.81	30	PASS
				RB1#49	21.77	21.84	30	PASS
				RB25#0	21.13	21.19	30	PASS
				RB25#13	21.26	21.38	30	PASS
				RB25#25	21.23	21.30	30	PASS
				RB50#0	21.14	21.19	30	PASS
				LCH	RB1#0	20.96	21.08	30
			RB1#38		21.11	21.16	30	PASS
			RB1#74		21.39	21.50	30	PASS
			RB38#0		20.84	20.97	30	PASS
			RB38#19		20.98	21.04	30	PASS
RB38#39	21.02	21.17	30		PASS			
RB75#0	20.92	21.04	30		PASS			

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	21.65	21.74	30	PASS
				RB1#38	21.73	21.82	30	PASS
				RB1#74	21.65	21.74	30	PASS
				RB38#0	21.27	21.36	30	PASS
				RB38#19	21.29	21.38	30	PASS
				RB38#39	21.26	21.35	30	PASS
				RB75#0	21.24	21.29	30	PASS
			HCH	RB1#0	21.56	21.63	30	PASS
				RB1#38	21.53	21.62	30	PASS
				RB1#74	21.78	21.88	30	PASS
				RB38#0	21.18	21.25	30	PASS
				RB38#19	21.22	21.29	30	PASS
				RB38#39	21.14	21.20	30	PASS
				RB75#0	21.2	21.33	30	PASS
		20	LCH	RB1#0	21.1	21.21	30	PASS
RB1#50	21.43			21.57	30	PASS		
RB1#99	21.45			21.58	30	PASS		



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	20.83	20.97	30	PASS
				RB50#25	20.99	21.08	30	PASS
				RB50#50	21.02	21.15	30	PASS
				RB100#0	20.93	21.02	30	PASS
			MCH	RB1#0	21.45	21.53	30	PASS
				RB1#50	21.88	22.01	30	PASS
				RB1#99	21.2	21.33	30	PASS
				RB50#0	21.17	21.28	30	PASS
				RB50#25	21.33	21.40	30	PASS
				RB50#50	21.25	21.35	30	PASS
				RB100#0	21.18	21.28	30	PASS
			HCH	RB1#0	21.43	21.53	30	PASS
				RB1#50	21.35	21.43	30	PASS
				RB1#99	21.46	21.56	30	PASS
				RB50#0	21.23	21.29	30	PASS
				RB50#25	21.23	21.35	30	PASS
				RB50#50	21.1	21.23	30	PASS





Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB100#0	21.16	21.25	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	4.73	13	PASS
				RB1#3	4.69	13	PASS
				RB1#5	4.78	13	PASS
				RB3#0	4.98	13	PASS
				RB3#2	4.99	13	PASS
				RB3#3	5	13	PASS
			RB6#0	5.67	13	PASS	
			MCH	RB1#0	4.74	13	PASS
				RB1#3	4.68	13	PASS
				RB1#5	4.76	13	PASS
				RB3#0	5.44	13	PASS
				RB3#2	5.39	13	PASS
				RB3#3	5.41	13	PASS
			HCH	RB6#0	5.76	13	PASS
				RB1#0	4.23	13	PASS
				RB1#3	4.13	13	PASS
				RB1#5	4.18	13	PASS
				RB3#0	4.63	13	PASS
		RB3#2		4.47	13	PASS	
		3	LCH	RB3#3	4.57	13	PASS
				RB6#0	5.46	13	PASS
				RB1#0	4.8	13	PASS
				RB1#7	4.58	13	PASS
				RB1#14	4.96	13	PASS
				RB8#0	5.45	13	PASS
			MCH	RB8#4	5.52	13	PASS
				RB8#7	5.49	13	PASS
				RB15#0	5.65	13	PASS
RB1#0	4.64			13	PASS		
MCH	RB1#7	4.46	13	PASS			
	RB1#14	4.72	13	PASS			



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
				RB8#0	5.77	13	PASS	
				RB8#4	5.65	13	PASS	
				RB8#7	5.75	13	PASS	
				RB15#0	5.91	13	PASS	
			HCH	RB1#0	4.63	13	PASS	
				RB1#7	4.19	13	PASS	
				RB1#14	4.45	13	PASS	
				RB8#0	5.4	13	PASS	
				RB8#4	5.29	13	PASS	
				RB8#7	5.37	13	PASS	
				RB15#0	5.46	13	PASS	
				LCH	RB1#0	4.39	13	PASS
					RB1#13	4.53	13	PASS
					RB1#24	4.68	13	PASS
		RB12#0			5.67	13	PASS	
		RB12#6			5.58	13	PASS	
		RB12#13	5.75		13	PASS		
		RB25#0	5.91		13	PASS		
		MCH	RB1#0	4.54	13	PASS		
			RB1#13	4.56	13	PASS		
			RB1#24	4.6	13	PASS		
			RB12#0	5.76	13	PASS		
			RB12#6	5.75	13	PASS		
			RB12#13	5.63	13	PASS		
		HCH	RB25#0	6.13	13	PASS		
			RB1#0	4.72	13	PASS		
			RB1#13	4.43	13	PASS		
			RB1#24	4.21	13	PASS		
			RB12#0	5.51	13	PASS		
			RB12#6	5.4	13	PASS		
		LCH	RB12#13	5.46	13	PASS		
			RB25#0	5.78	13	PASS		
RB1#0	4.38		13	PASS				
RB1#25	4.63		13	PASS				
RB1#49	4.59		13	PASS				
RB25#0	5.75		13	PASS				
RB25#13	5.83		13	PASS				
RB25#25	5.77	13	PASS					
RB50#0	6.13	13	PASS					

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			MCH	RB1#0	4.63	13	PASS
				RB1#25	4.52	13	PASS
				RB1#49	4.58	13	PASS
				RB25#0	5.99	13	PASS
				RB25#13	5.86	13	PASS
				RB25#25	5.7	13	PASS
				RB50#0	6.03	13	PASS
			HCH	RB1#0	4.59	13	PASS
				RB1#25	4.39	13	PASS
				RB1#49	4.02	13	PASS
				RB25#0	5.6	13	PASS
				RB25#13	5.58	13	PASS
				RB25#25	5.61	13	PASS
				RB50#0	5.94	13	PASS
		15	LCH	RB1#0	4.45	13	PASS
				RB1#38	4.65	13	PASS
				RB1#74	4.68	13	PASS
				RB38#0	5.93	13	PASS
				RB38#19	5.88	13	PASS
				RB38#39	5.97	13	PASS
				RB75#0	6.44	13	PASS
			MCH	RB1#0	4.66	13	PASS
				RB1#38	4.62	13	PASS
				RB1#74	4.55	13	PASS
				RB38#0	6.09	13	PASS
				RB38#19	6.01	13	PASS
				RB38#39	5.91	13	PASS
				RB75#0	6.37	13	PASS
		HCH	RB1#0	4.68	13	PASS	
			RB1#38	4.71	13	PASS	
			RB1#74	4.18	13	PASS	
			RB38#0	5.84	13	PASS	
RB38#19	5.73		13	PASS			
RB38#39	5.83		13	PASS			
RB75#0	6.11		13	PASS			
20	LCH	RB1#0	4.71	13	PASS		
		RB1#50	4.4	13	PASS		
		RB1#99	4.76	13	PASS		
		RB50#0	5.95	13	PASS		



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict			
				RB50#25	5.98	13	PASS			
				RB50#50	6.06	13	PASS			
				RB100#0	6.22	13	PASS			
			MCH	RB1#0	4.76	13	PASS			
				RB1#50	4.57	13	PASS			
				RB1#99	4.62	13	PASS			
				RB50#0	6.09	13	PASS			
				RB50#25	6.06	13	PASS			
				RB50#50	5.88	13	PASS			
			HCH	RB100#0	6.24	13	PASS			
				RB1#0	4.85	13	PASS			
				RB1#50	4.34	13	PASS			
				RB1#99	4.43	13	PASS			
				RB50#0	5.8	13	PASS			
				RB50#25	5.74	13	PASS			
						LCH	RB50#50	5.89	13	PASS
							RB100#0	6.31	13	PASS
							RB1#0	5.24	13	PASS
	RB1#3	5.29					13	PASS		
	RB1#5	5.24					13	PASS		
	RB3#0	5.69					13	PASS		
	MCH	RB3#2				5.59	13	PASS		
		RB3#3				5.65	13	PASS		
		RB6#0				6.03	13	PASS		
		RB1#0				5.61	13	PASS		
		RB1#3				5.72	13	PASS		
		RB1#5				5.6	13	PASS		
				HCH	RB3#0	5.68	13	PASS		
					RB3#2	5.8	13	PASS		
					RB3#3	5.78	13	PASS		
RB6#0					6.04	13	PASS			
RB1#0					4.77	13	PASS			
RB1#3					4.67	13	PASS			
RB1#5					4.67	13	PASS			
3	LCH	RB3#0	5.34	13	PASS					
		RB3#2	5.37	13	PASS					
		RB3#3	5.39	13	PASS					
		RB6#0	5.84	13	PASS					
		LCH	RB1#0	5.44	13	PASS				



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
		5		RB1#7	5.34	13	PASS	
				RB1#14	5.8	13	PASS	
				RB8#0	5.92	13	PASS	
				RB8#4	5.94	13	PASS	
				RB8#7	6.09	13	PASS	
				RB15#0	6.33	13	PASS	
			MCH	RB1#0	5.63	13	PASS	
				RB1#7	5.28	13	PASS	
				RB1#14	5.61	13	PASS	
				RB8#0	6.04	13	PASS	
				RB8#4	6.2	13	PASS	
				RB8#7	6.18	13	PASS	
			HCH	RB15#0	6.18	13	PASS	
				RB1#0	5.15	13	PASS	
				RB1#7	4.85	13	PASS	
				RB1#14	5.06	13	PASS	
				RB8#0	5.67	13	PASS	
				RB8#4	5.63	13	PASS	
		5	LCH		RB8#7	5.65	13	PASS
					RB15#0	5.94	13	PASS
					RB1#0	5.41	13	PASS
					RB1#13	5.62	13	PASS
					RB1#24	5.59	13	PASS
					RB12#0	5.97	13	PASS
			MCH		RB12#6	5.98	13	PASS
					RB12#13	6.08	13	PASS
					RB25#0	6.57	13	PASS
					RB1#0	5.36	13	PASS
					RB1#13	5.67	13	PASS
					RB1#24	5.56	13	PASS
HCH		RB12#0	5.98	13	PASS			
		RB12#6	5.96	13	PASS			
		RB12#13	6.03	13	PASS			
		RB25#0	6.38	13	PASS			
		RB1#0	5.13	13	PASS			
		RB1#13	5.1	13	PASS			
		RB1#24	4.78	13	PASS			
		RB12#0	5.78	13	PASS			
		RB12#6	5.62	13	PASS			

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		10		RB12#13	5.66	13	PASS
				RB25#0	6.23	13	PASS
			LCH	RB1#0	5.26	13	PASS
				RB1#25	5.36	13	PASS
				RB1#49	5.34	13	PASS
				RB25#0	6.26	13	PASS
				RB25#13	6.18	13	PASS
				RB25#25	6.31	13	PASS
				RB50#0	6.53	13	PASS
				MCH	RB1#0	5.58	13
		RB1#25	5.63		13	PASS	
		RB1#49	5.72		13	PASS	
		RB25#0	6.55		13	PASS	
		RB25#13	6.35		13	PASS	
		RB25#25	6.21		13	PASS	
		RB50#0	6.76		13	PASS	
		HCH	RB1#0	5.24	13	PASS	
			RB1#25	5.03	13	PASS	
			RB1#49	4.8	13	PASS	
			RB25#0	5.89	13	PASS	
			RB25#13	5.9	13	PASS	
			RB25#25	5.92	13	PASS	
			RB50#0	6.49	13	PASS	
		15	LCH	RB1#0	5.46	13	PASS
				RB1#38	5.76	13	PASS
				RB1#74	5.6	13	PASS
				RB38#0	6.21	13	PASS
				RB38#19	6.25	13	PASS
				RB38#39	6.35	13	PASS
				RB75#0	6.84	13	PASS
			MCH	RB1#0	5.5	13	PASS
				RB1#38	5.65	13	PASS
RB1#74	5.65			13	PASS		
RB38#0	6.47			13	PASS		
RB38#19	6.46			13	PASS		
RB38#39	6.27	13		PASS			
HCH	RB1#0	5.35	13	PASS			
	RB1#38	5.28	13	PASS			



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#74	4.86	13	PASS
				RB38#0	6.11	13	PASS
				RB38#19	6.04	13	PASS
				RB38#39	6.16	13	PASS
				RB75#0	6.57	13	PASS
			LCH	RB1#0	5.25	13	PASS
				RB1#50	5.47	13	PASS
				RB1#99	5.58	13	PASS
				RB50#0	6.27	13	PASS
				RB50#25	6.34	13	PASS
				RB50#50	6.44	13	PASS
				RB100#0	6.93	13	PASS
		MCH	RB1#0	5.65	13	PASS	
			RB1#50	5.56	13	PASS	
			RB1#99	5.67	13	PASS	
			RB50#0	6.57	13	PASS	
			RB50#25	6.3	13	PASS	
			RB50#50	6.24	13	PASS	
			RB100#0	6.72	13	PASS	
		HCH	RB1#0	5.39	13	PASS	
			RB1#50	5.14	13	PASS	
			RB1#99	5.02	13	PASS	
			RB50#0	6.17	13	PASS	
			RB50#25	6.17	13	PASS	
			RB50#50	6.22	13	PASS	
			RB100#0	6.78	13	PASS	



## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

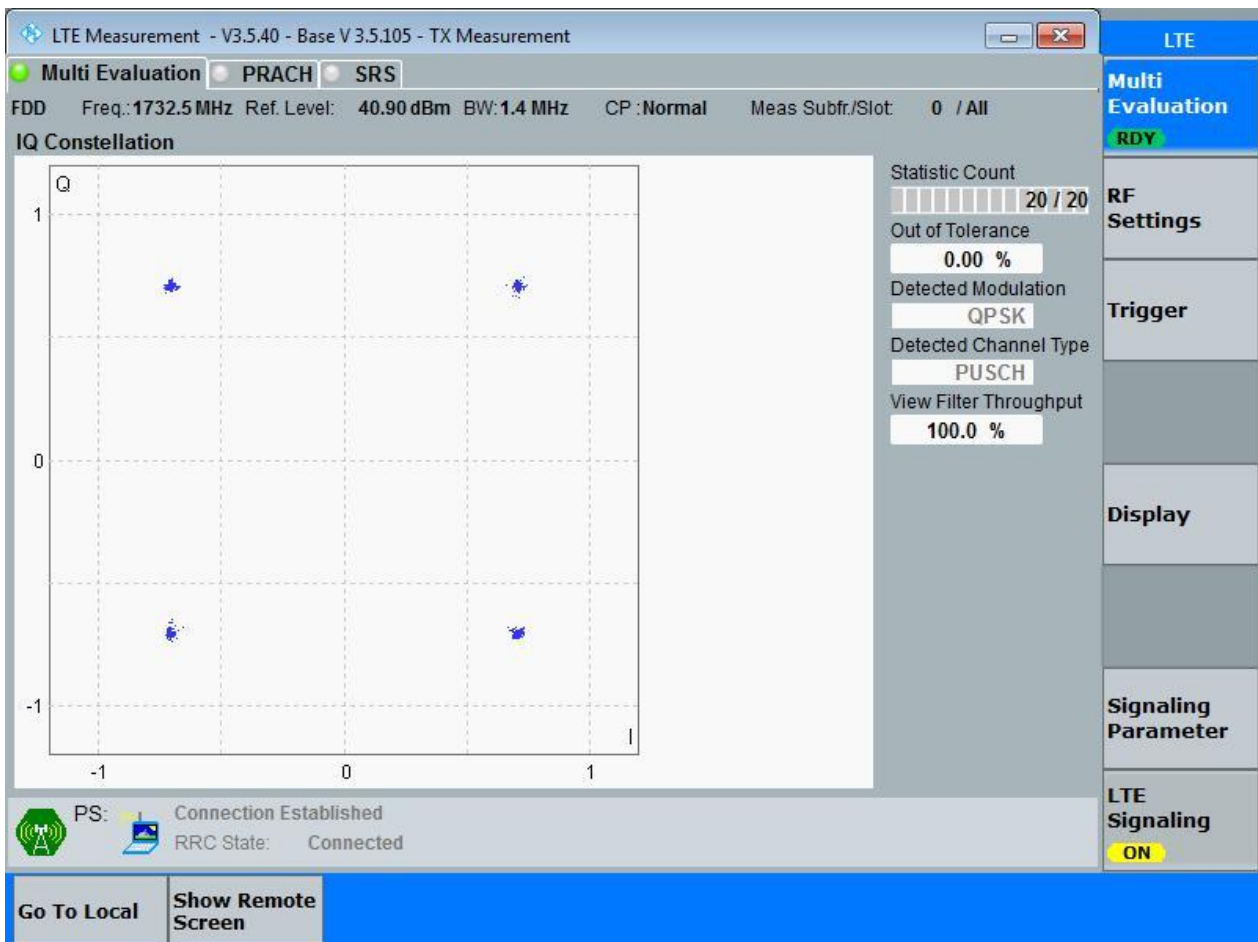
##### 3.1.1 Test Band = BAND4

##### 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

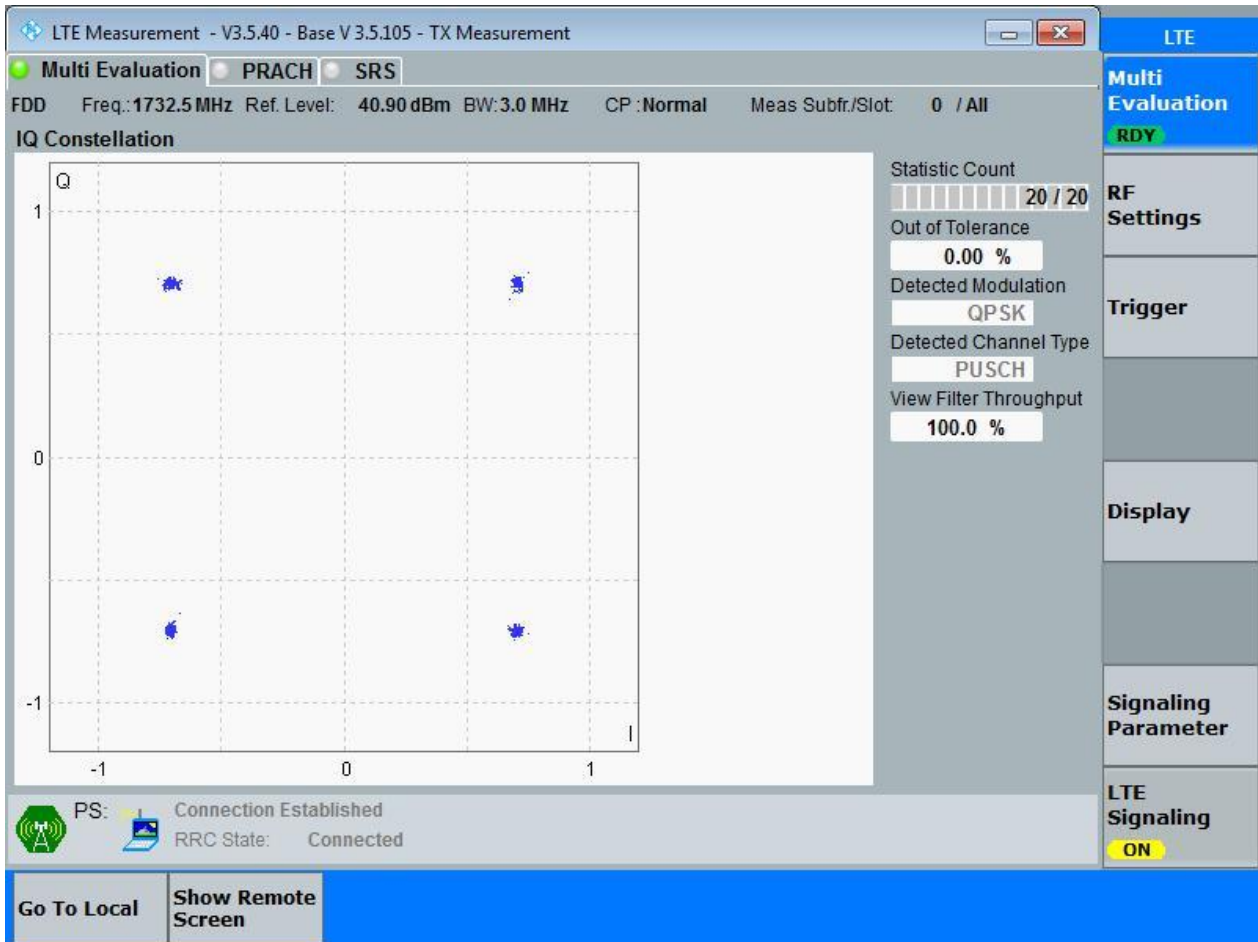
##### 3.1.1.1.1.1.1 Test RB = RB6#0



### 3.1.1.1.2 Test Bandwidth = 3

#### 3.1.1.1.2.1 Test Channel = MCH

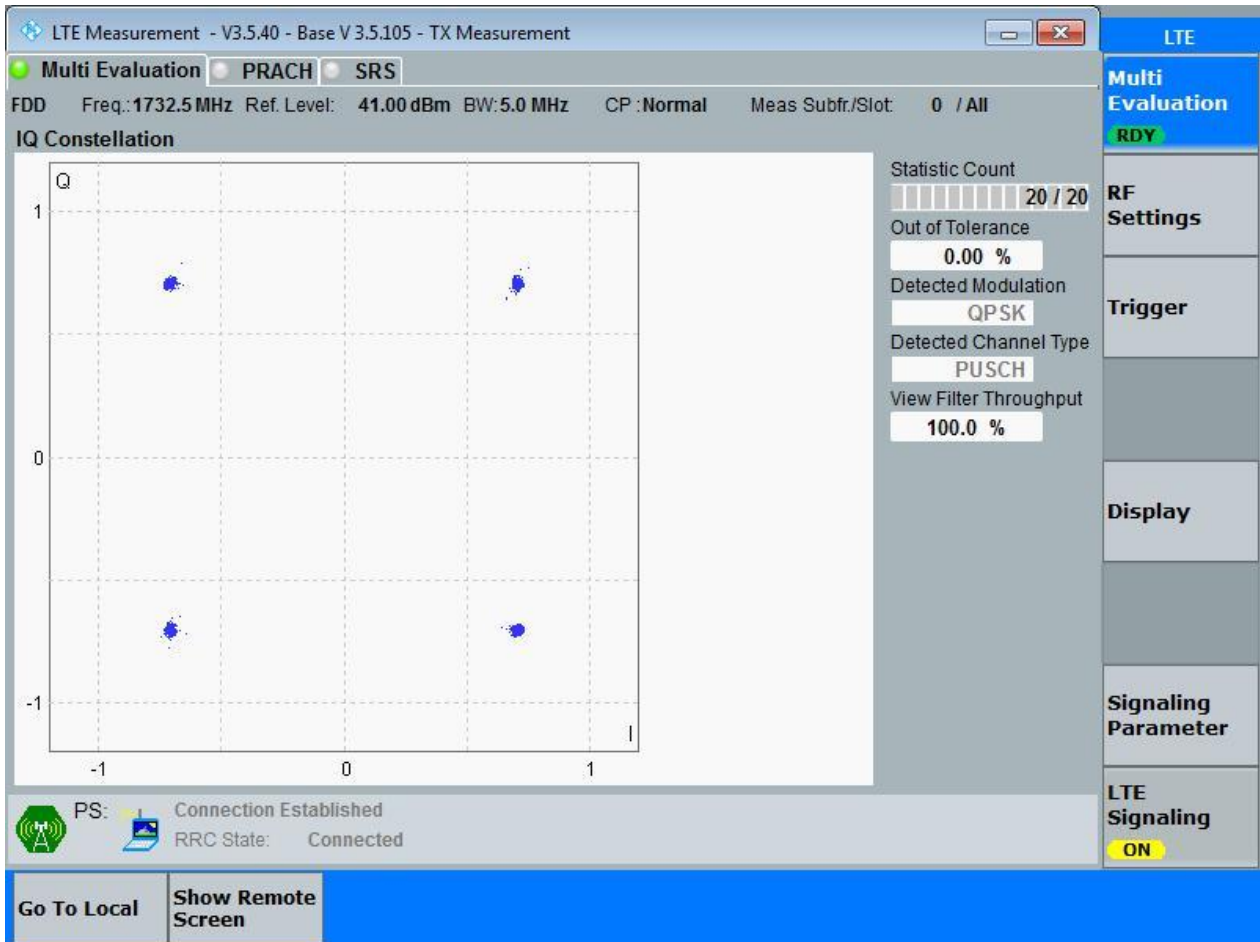
##### 3.1.1.1.2.1.1 Test RB = RB15#0



### 3.1.1.1.3 Test Bandwidth = 5

#### 3.1.1.1.3.1 Test Channel = MCH

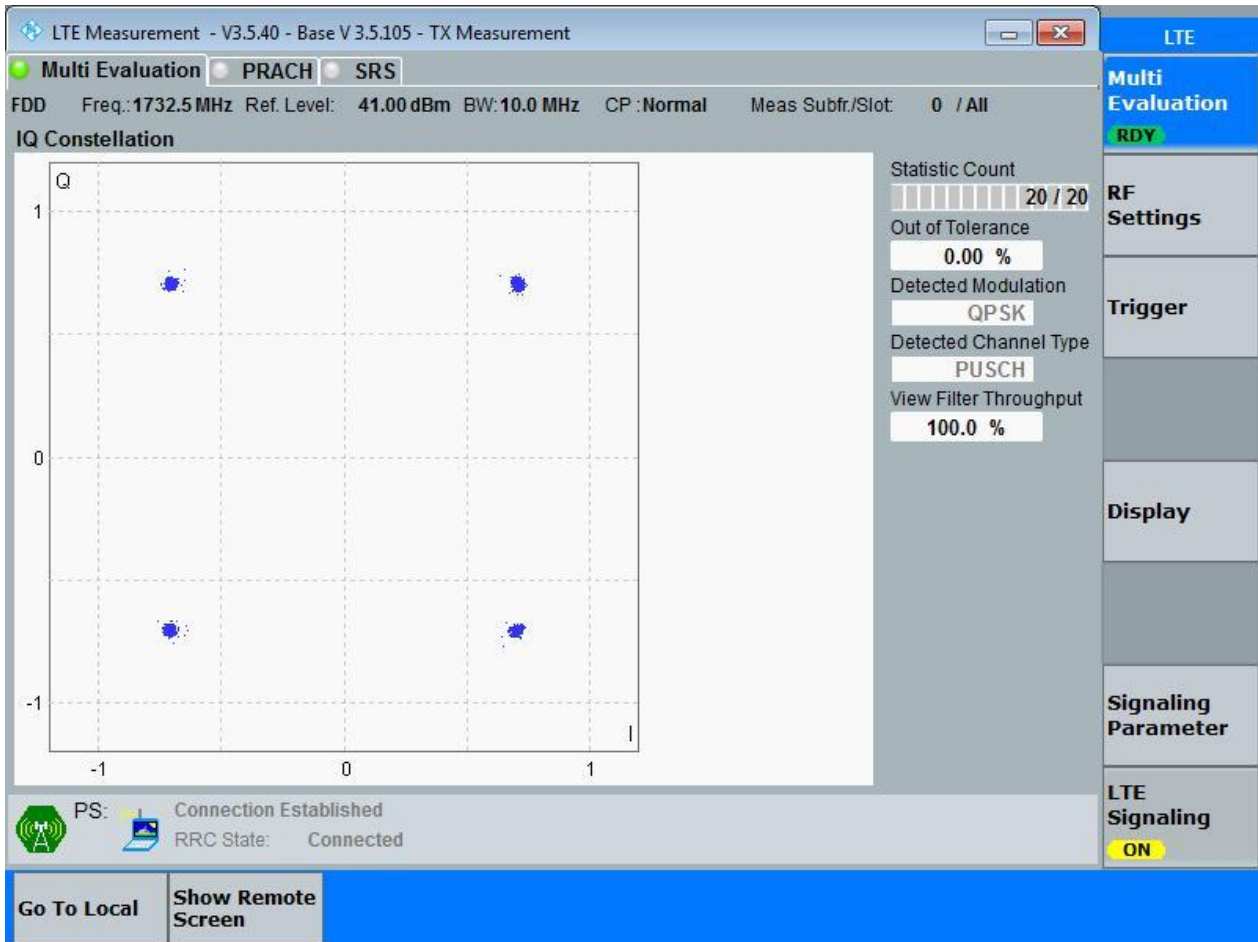
##### 3.1.1.1.3.1.1 Test RB = RB25#0



### 3.1.1.1.4 Test Bandwidth = 10

#### 3.1.1.1.4.1 Test Channel = MCH

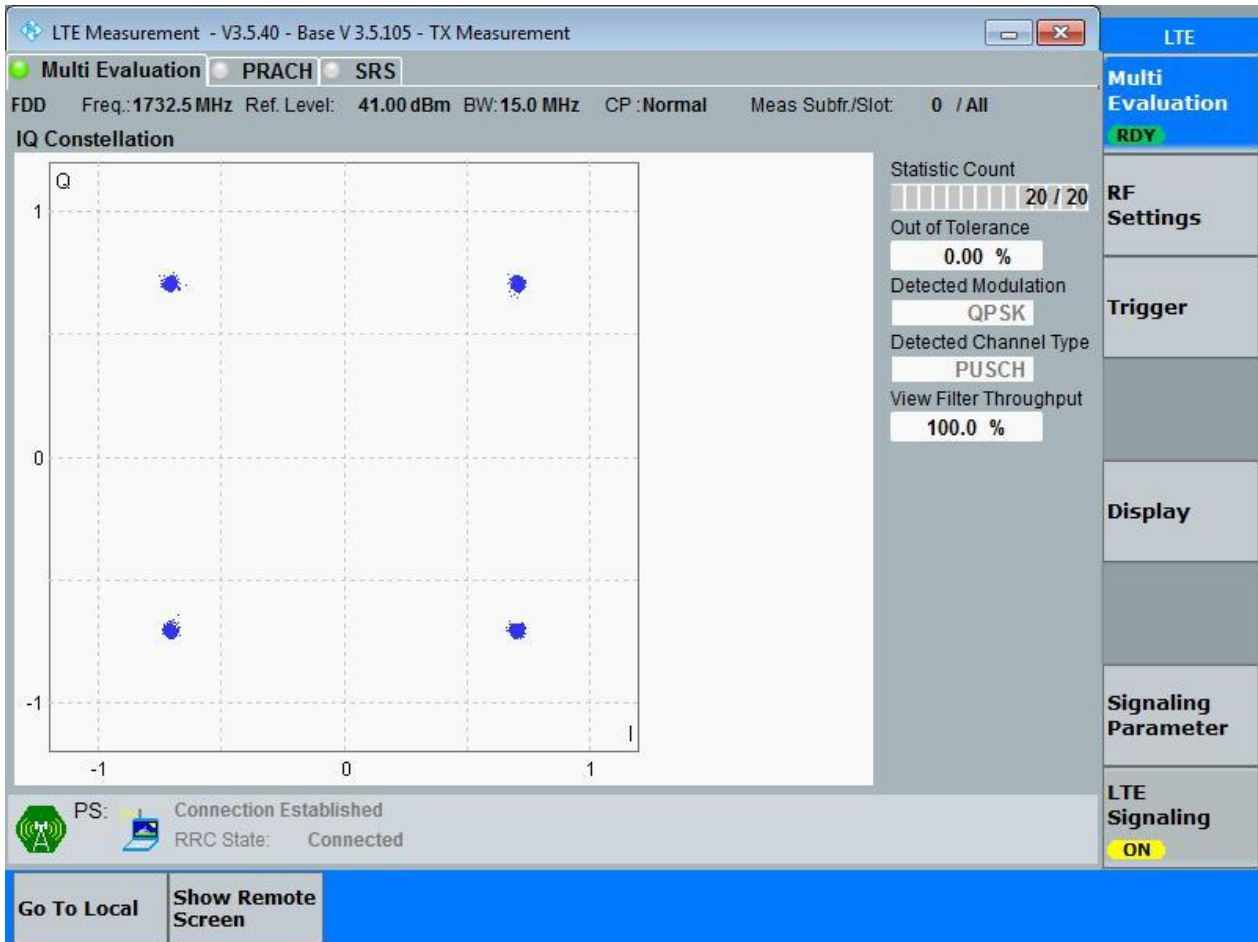
##### 3.1.1.1.4.1.1 Test RB = RB50#0



### 3.1.1.1.5 Test Bandwidth = 15

#### 3.1.1.1.5.1 Test Channel = MCH

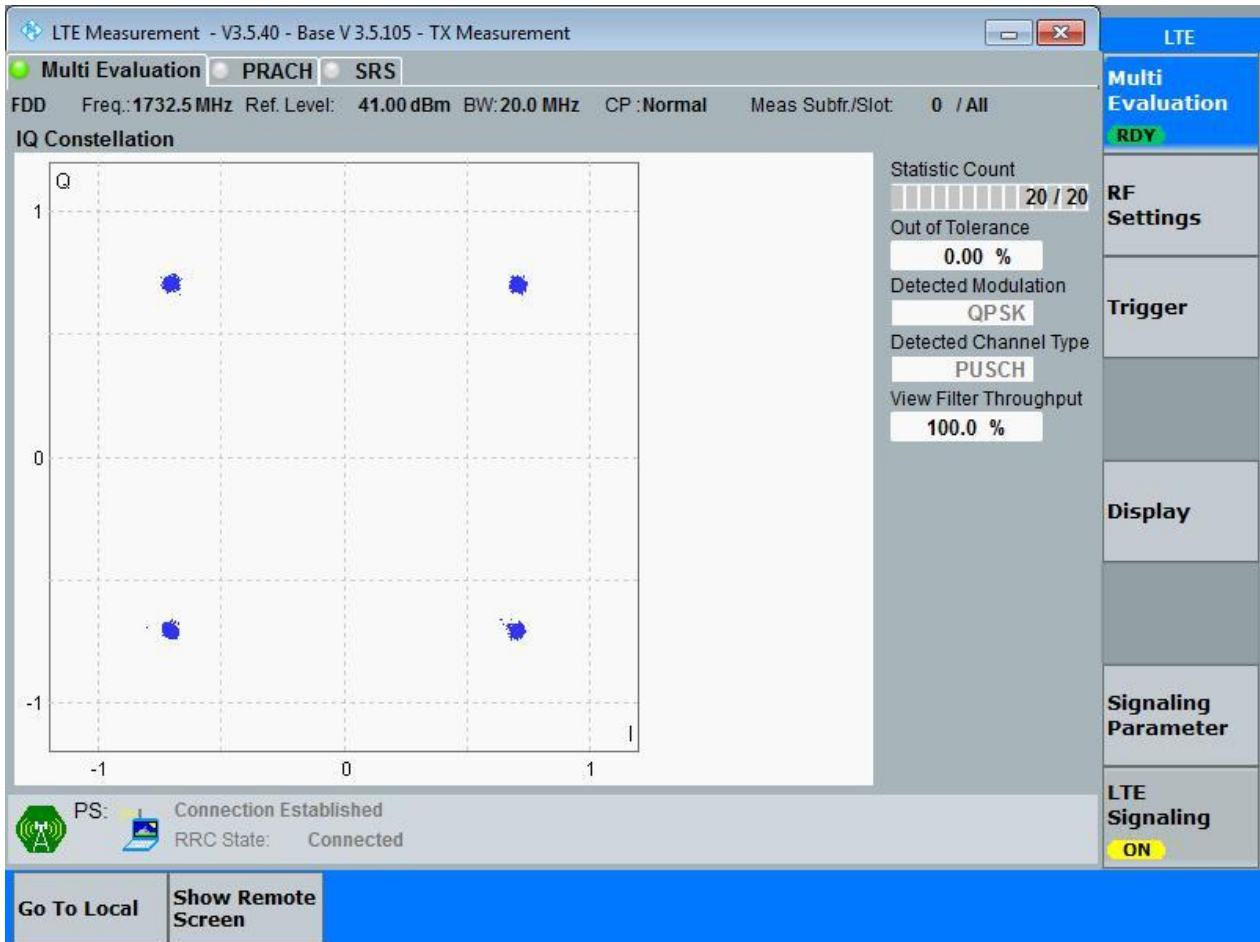
##### 3.1.1.1.5.1.1 Test RB = RB75#0



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

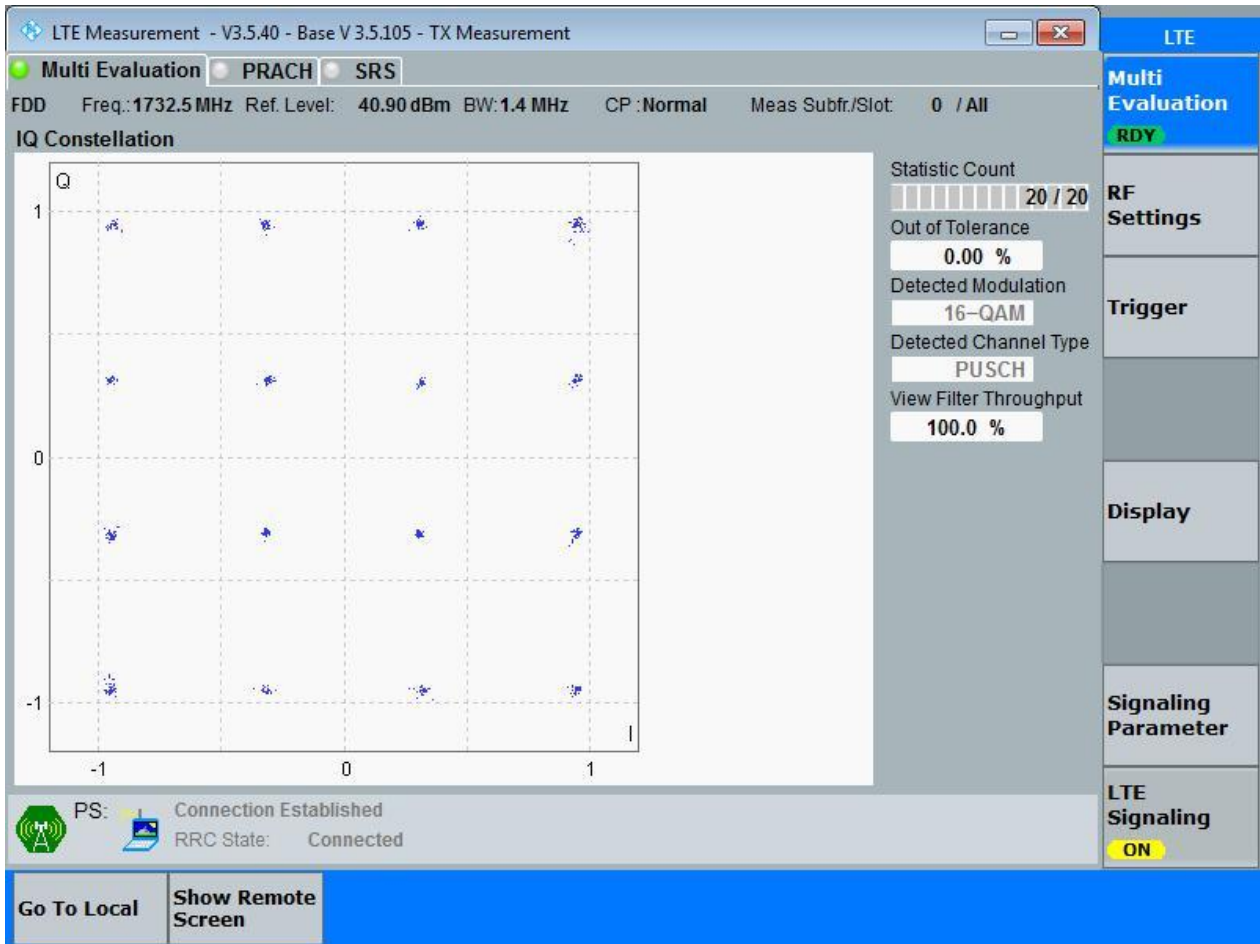


3.1.1.2 Test Mode = LTE/TM2

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

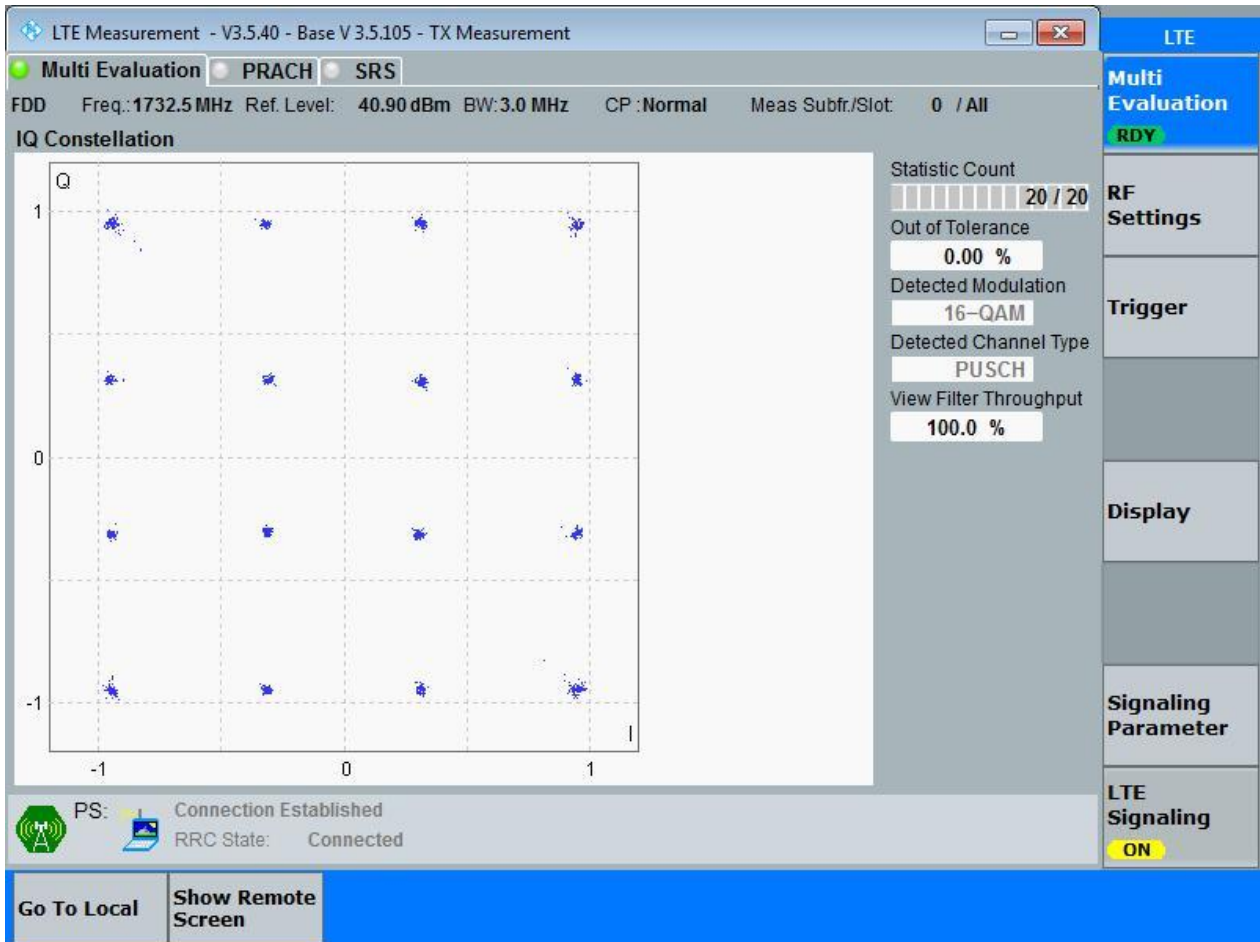




3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

3.1.1.2.2.1.1 Test RB = RB15#0

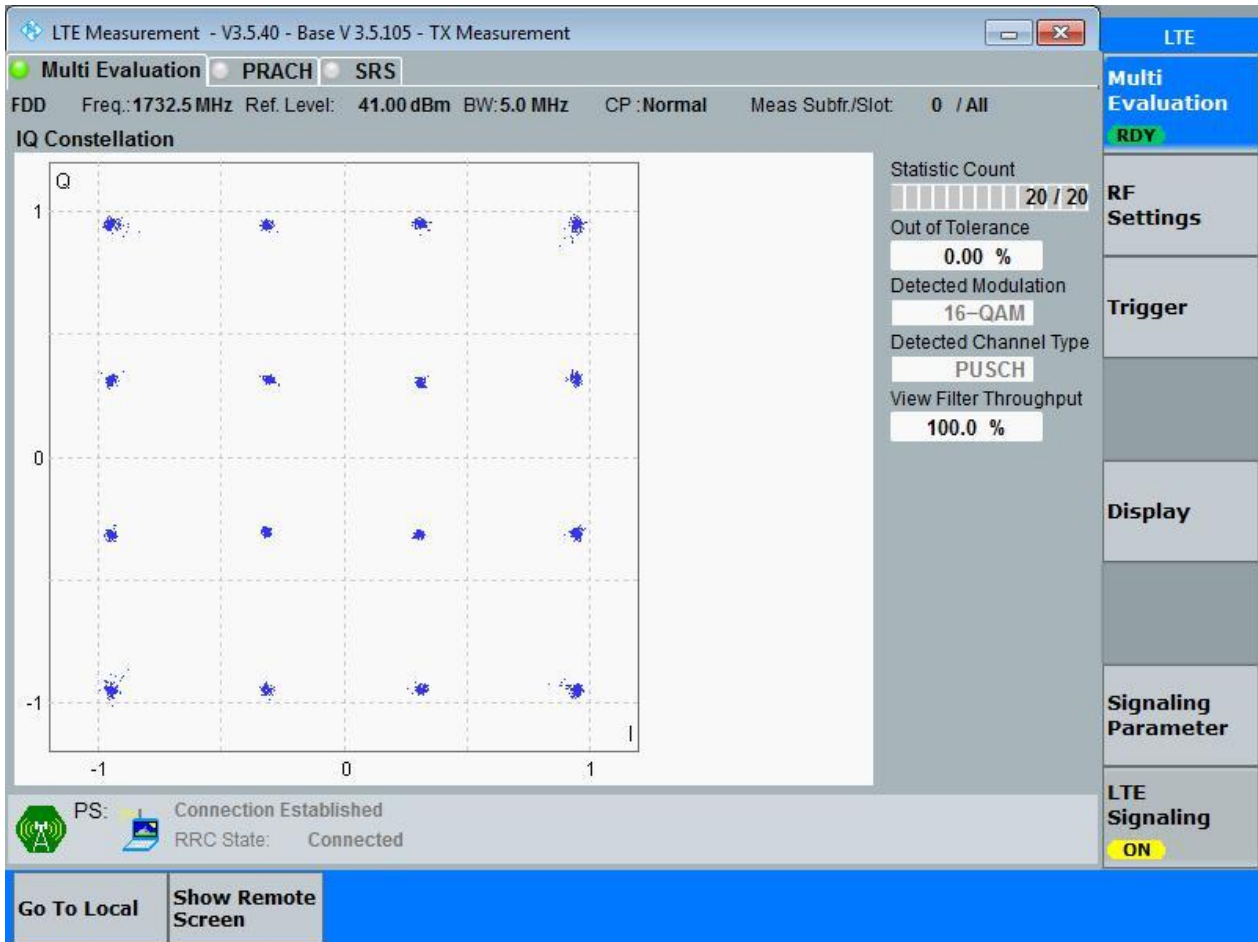




### 3.1.1.2.3 Test Bandwidth = 5

#### 3.1.1.2.3.1 Test Channel = MCH

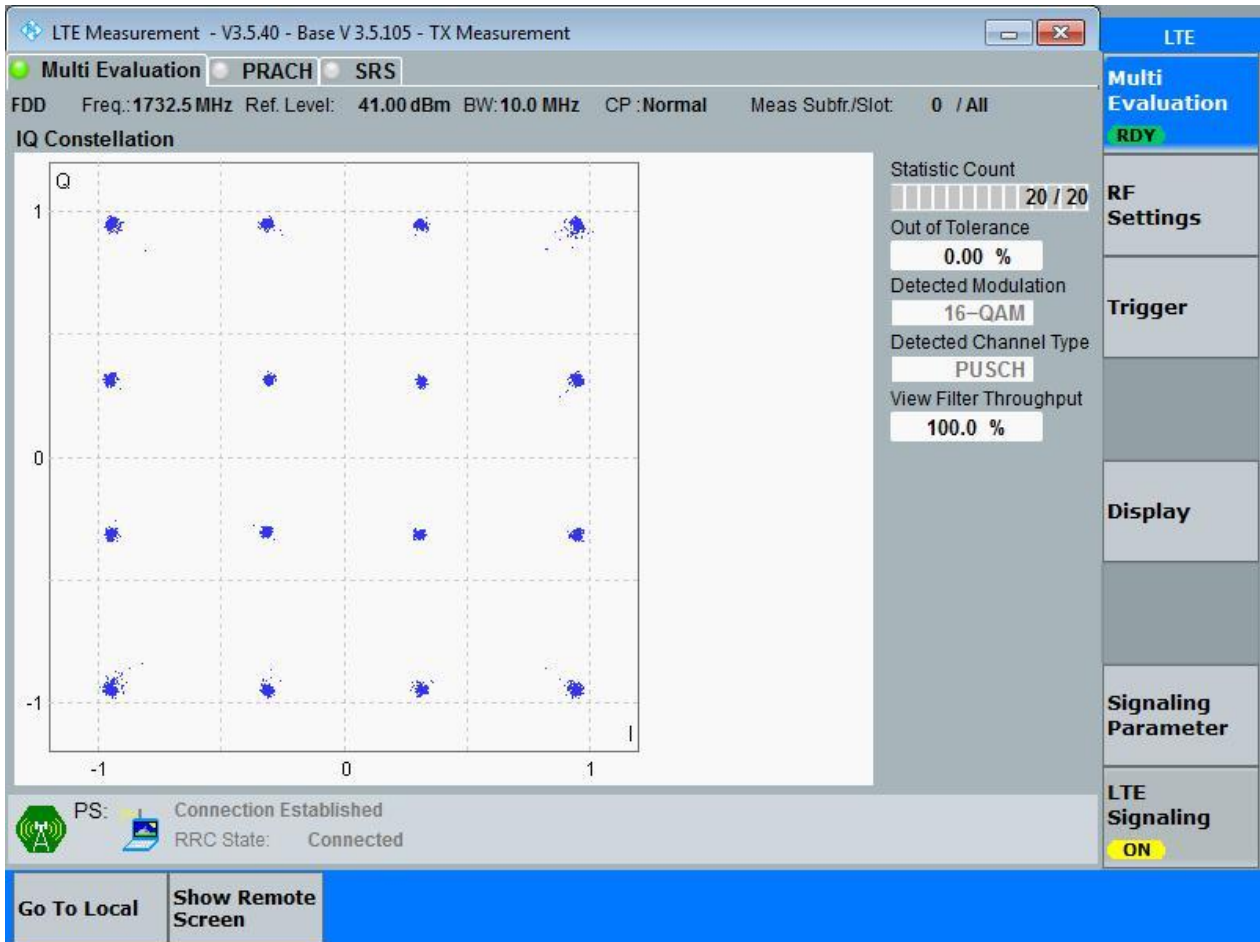
##### 3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

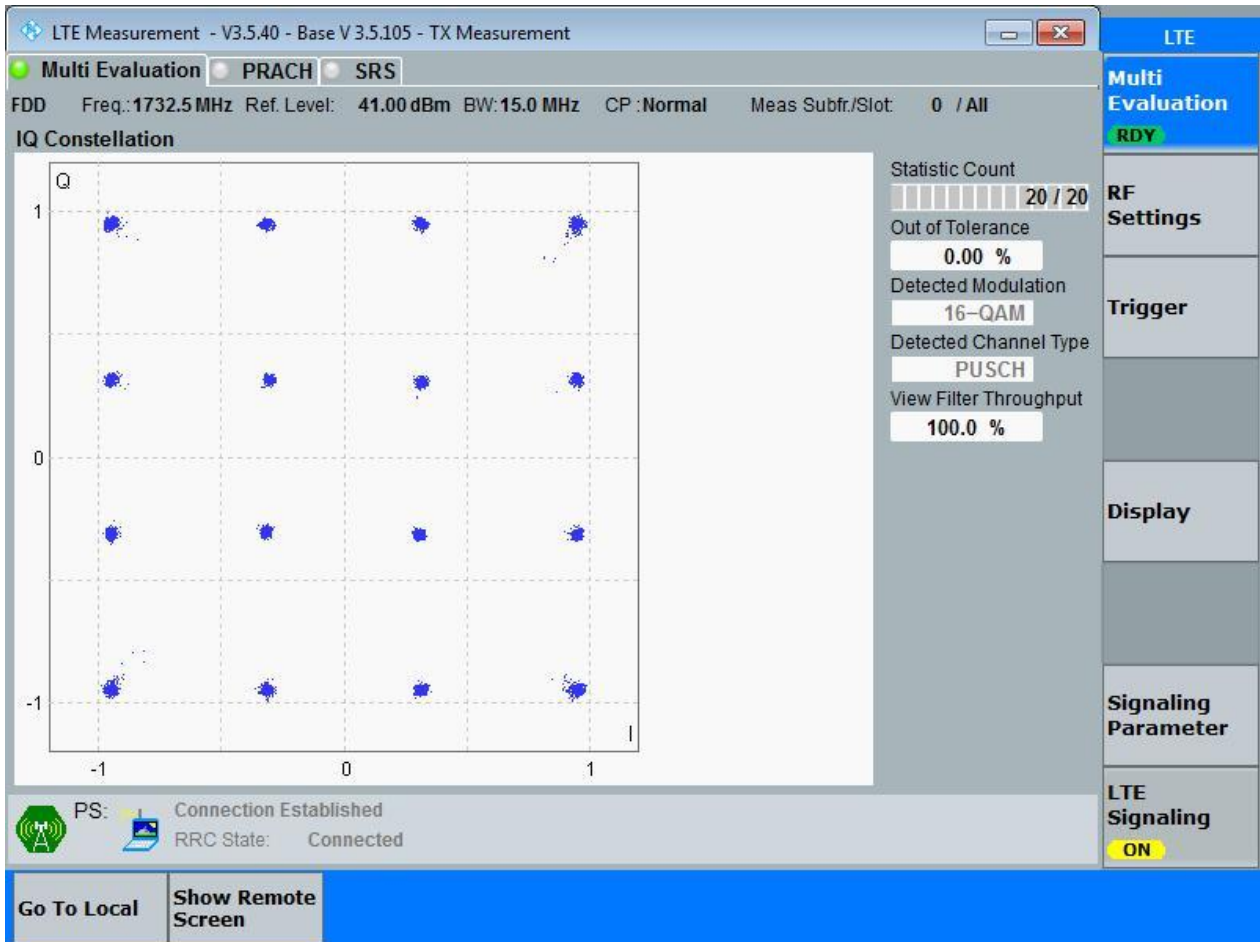
3.1.1.2.4.1.1 Test RB = RB50#0



### 3.1.1.2.5 Test Bandwidth = 15

#### 3.1.1.2.5.1 Test Channel = MCH

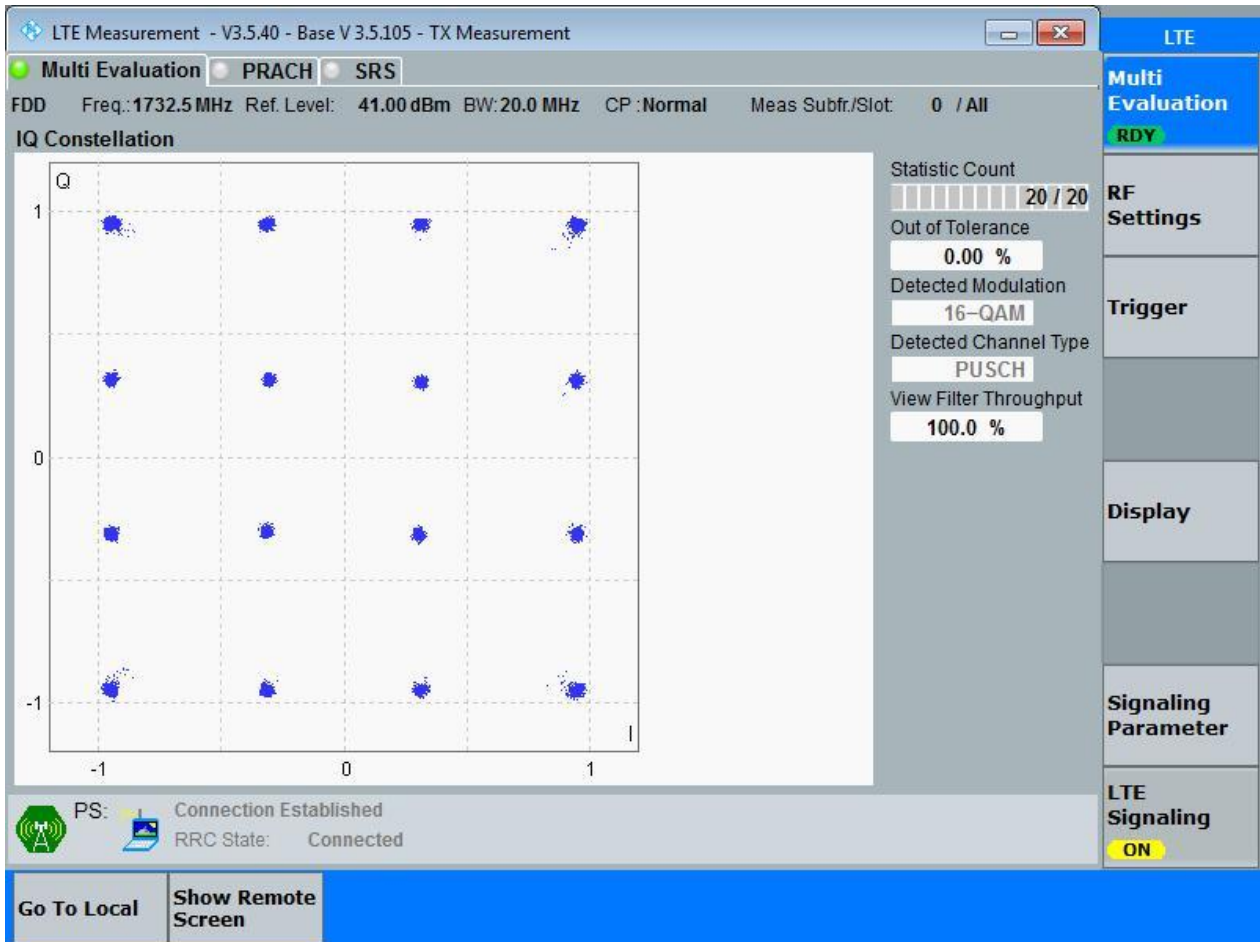
##### 3.1.1.2.5.1.1 Test RB = RB75#0



### 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	1.23	Pass
			MCH	RB6#0	1.10	1.23	Pass
			HCH	RB6#0	1.09	1.24	Pass
		3	LCH	RB15#0	2.71	2.99	Pass
			MCH	RB15#0	2.71	2.98	Pass
			HCH	RB15#0	2.71	2.98	Pass
		5	LCH	RB25#0	4.51	4.97	Pass
			MCH	RB25#0	4.51	4.98	Pass
			HCH	RB25#0	4.51	4.95	Pass
		10	LCH	RB50#0	8.98	9.95	Pass
			MCH	RB50#0	8.98	9.87	Pass
			HCH	RB50#0	9.01	9.93	Pass
		15	LCH	RB75#0	13.51	15.06	Pass
			MCH	RB75#0	13.49	15.03	Pass
			HCH	RB75#0	13.50	15.06	Pass
		20	LCH	RB100#0	18.04	19.97	Pass
			MCH	RB100#0	17.97	19.78	Pass
			HCH	RB100#0	18.02	19.91	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.10	1.24	Pass
			MCH	RB6#0	1.09	1.24	Pass
			HCH	RB6#0	1.10	1.24	Pass
		3	LCH	RB15#0	2.71	2.99	Pass
			MCH	RB15#0	2.71	2.97	Pass
			HCH	RB15#0	2.70	2.99	Pass
		5	LCH	RB25#0	4.52	4.97	Pass
			MCH	RB25#0	4.51	4.96	Pass
			HCH	RB25#0	4.51	4.98	Pass
10		LCH	RB50#0	9.01	9.92	Pass	
		MCH	RB50#0	8.99	9.88	Pass	
		HCH	RB50#0	8.99	9.90	Pass	



Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
		15	LCH	RB75#0	13.51	15.29	Pass
			MCH	RB75#0	13.49	15.00	Pass
			HCH	RB75#0	13.53	15.07	Pass
		20	LCH	RB100#0	18.02	19.79	Pass
			MCH	RB100#0	17.98	19.75	Pass
			HCH	RB100#0	18.03	19.85	Pass



Part II - Test Plots

4.1 For LTE

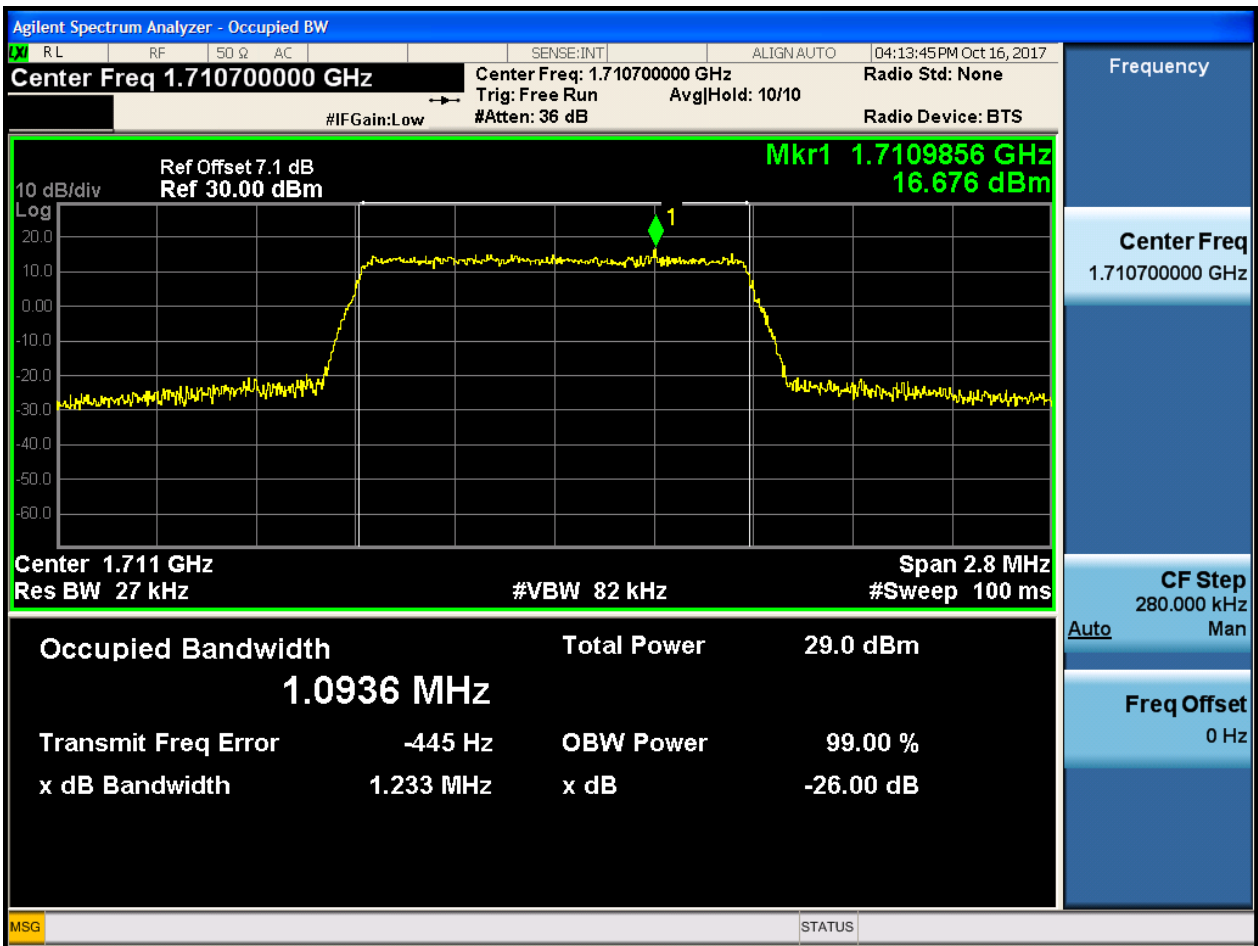
4.1.1 Test Band = BAND4

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

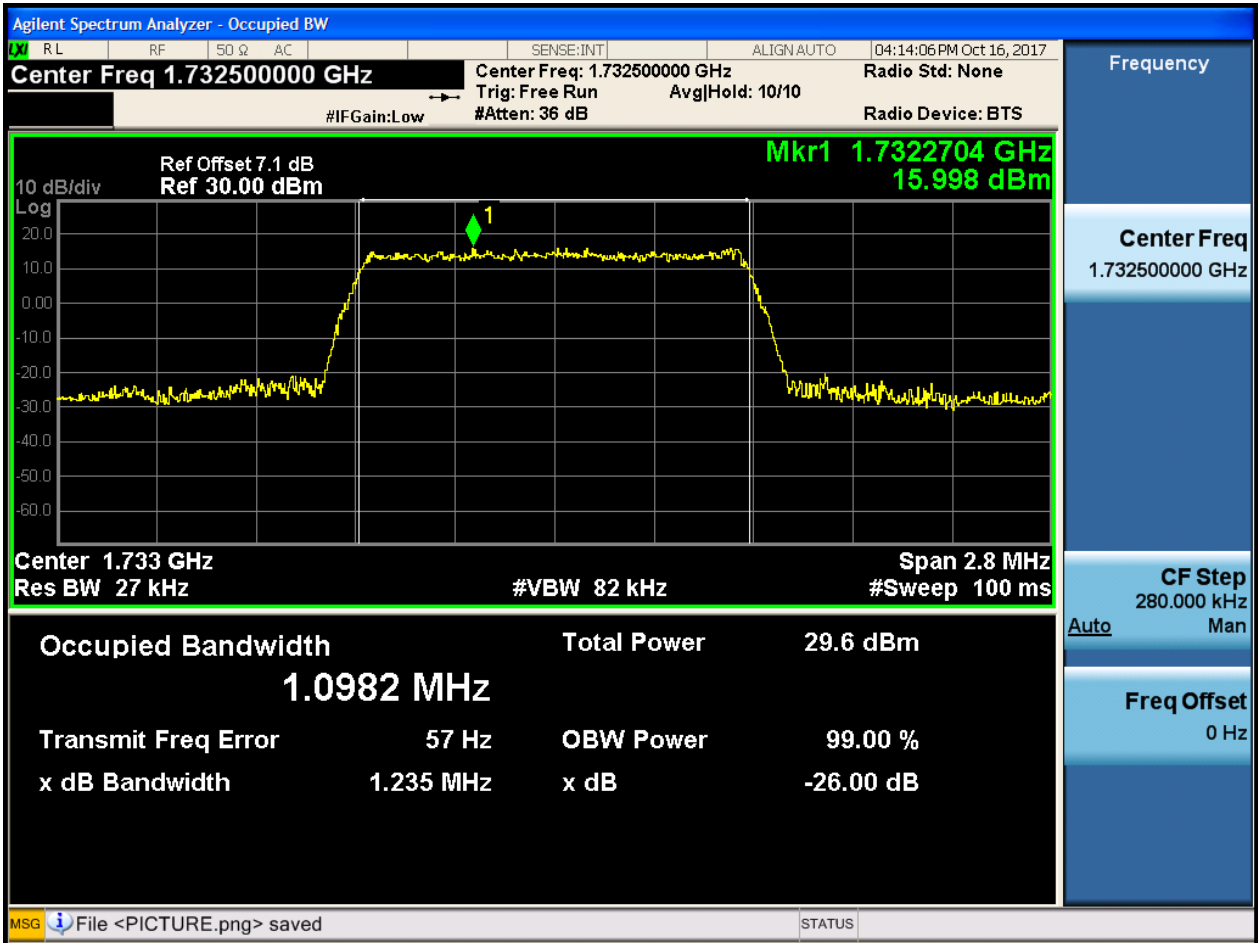
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

4.1.1.1.1.2.1 Test RB = RB6#0

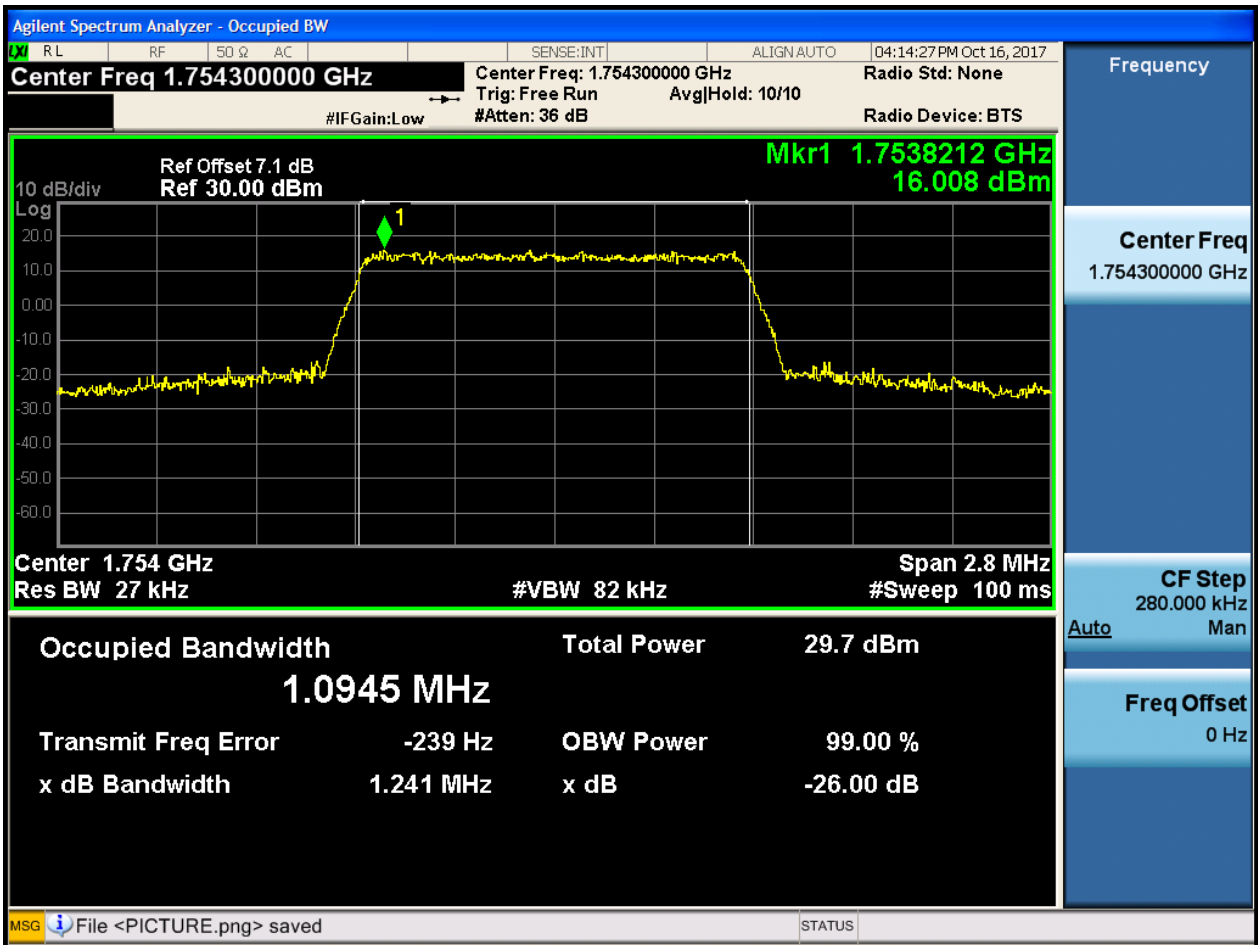






4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

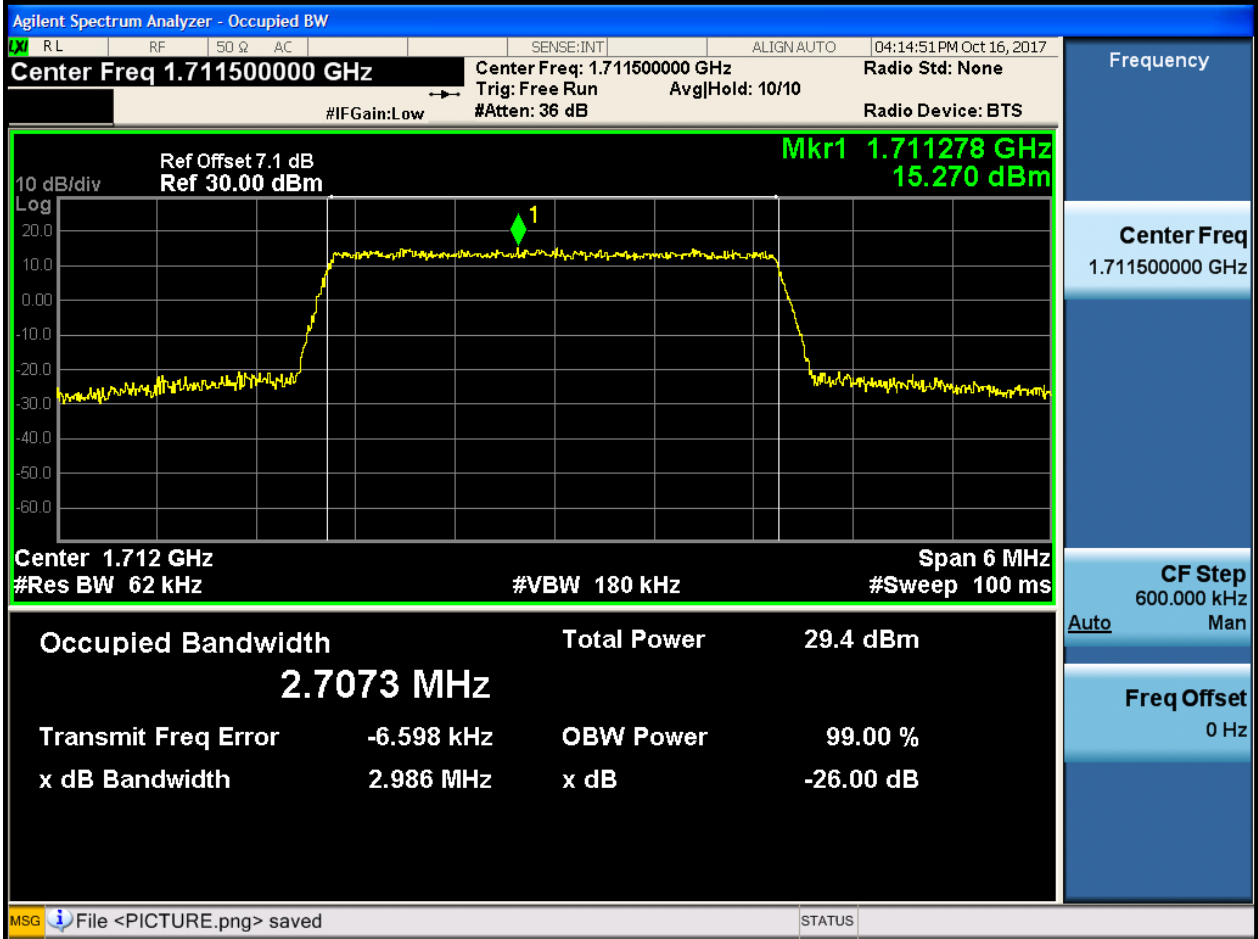




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

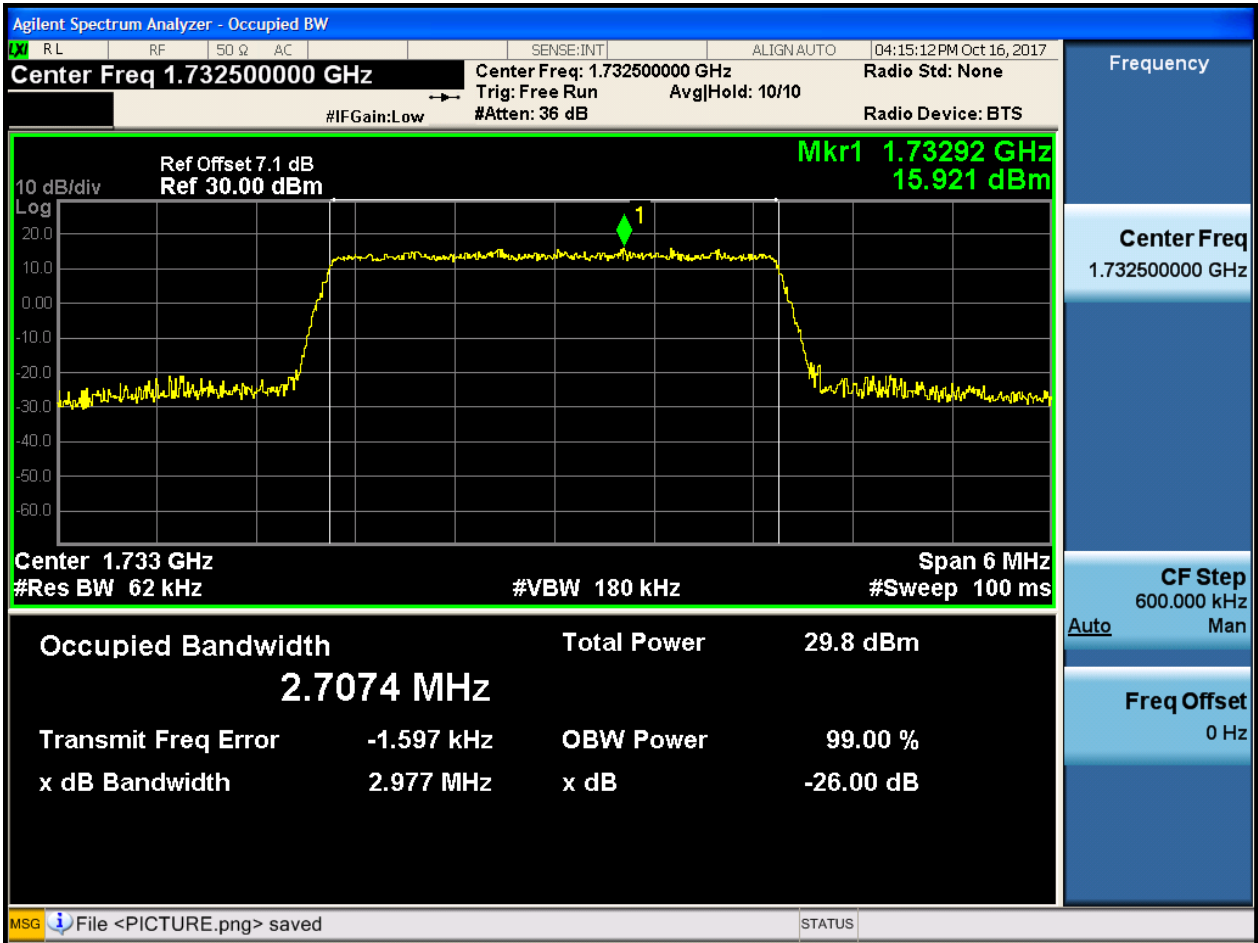
4.1.1.1.2.1.1 Test RB = RB15#0





4.1.1.1.2.2 Test Channel = MCH

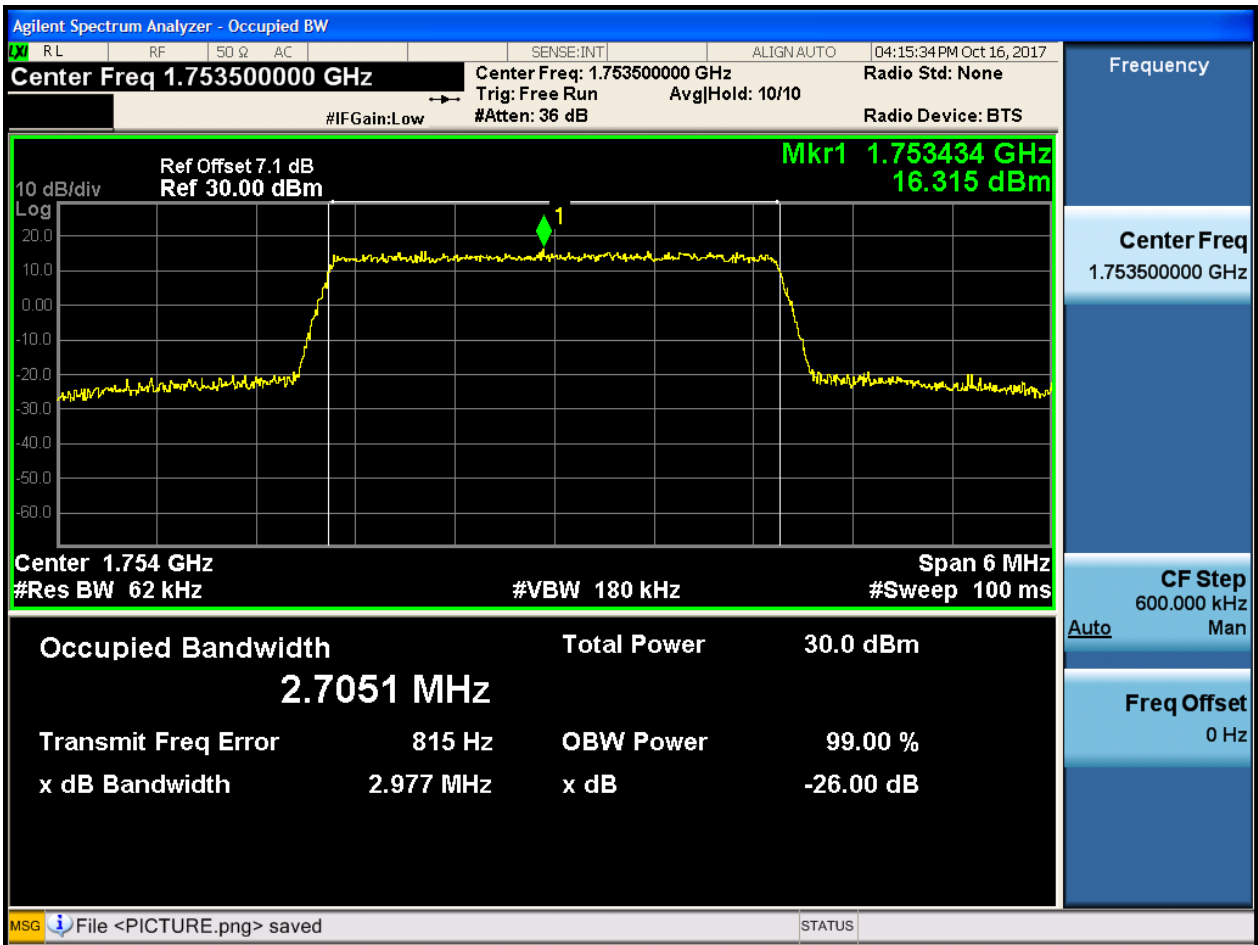
4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

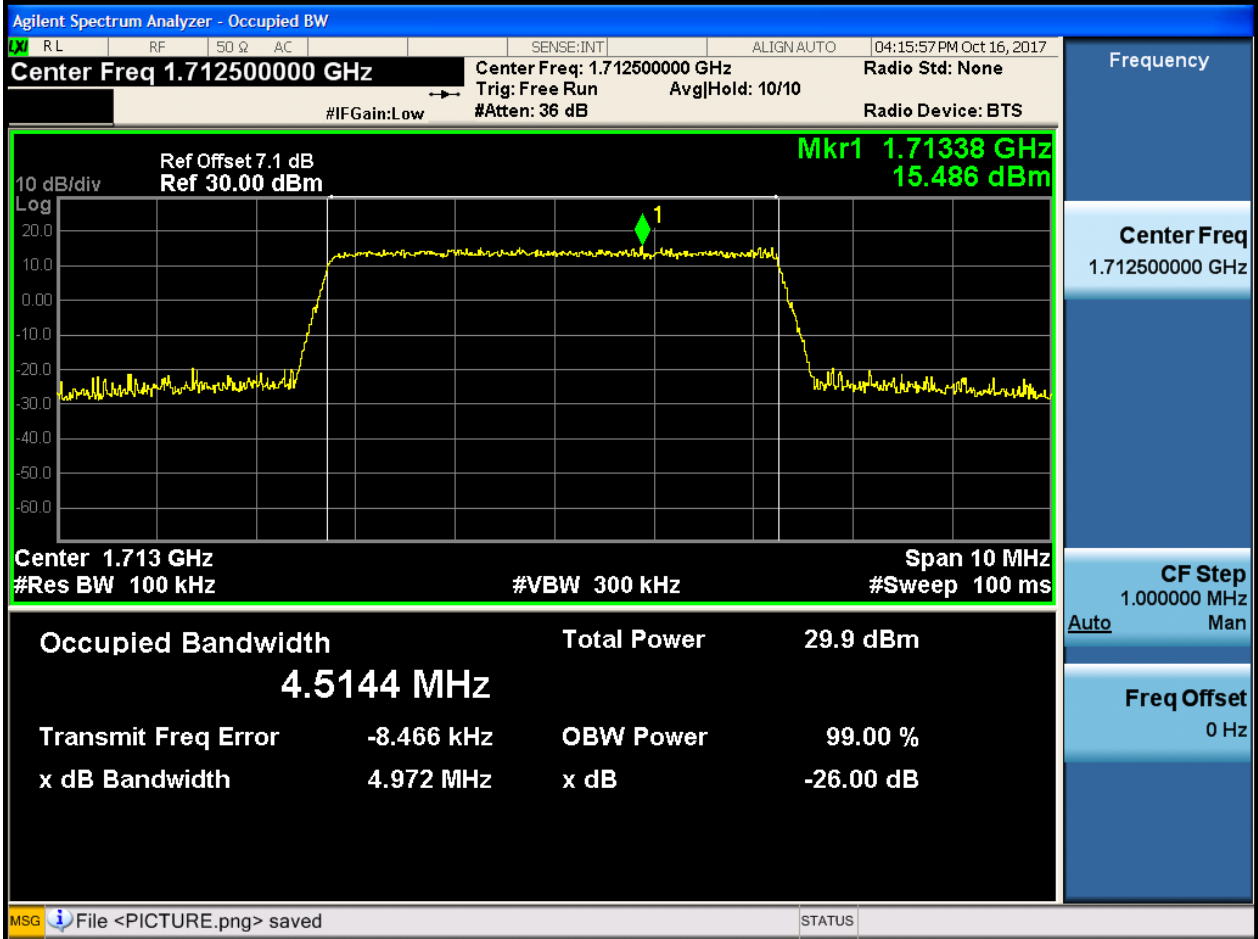




4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

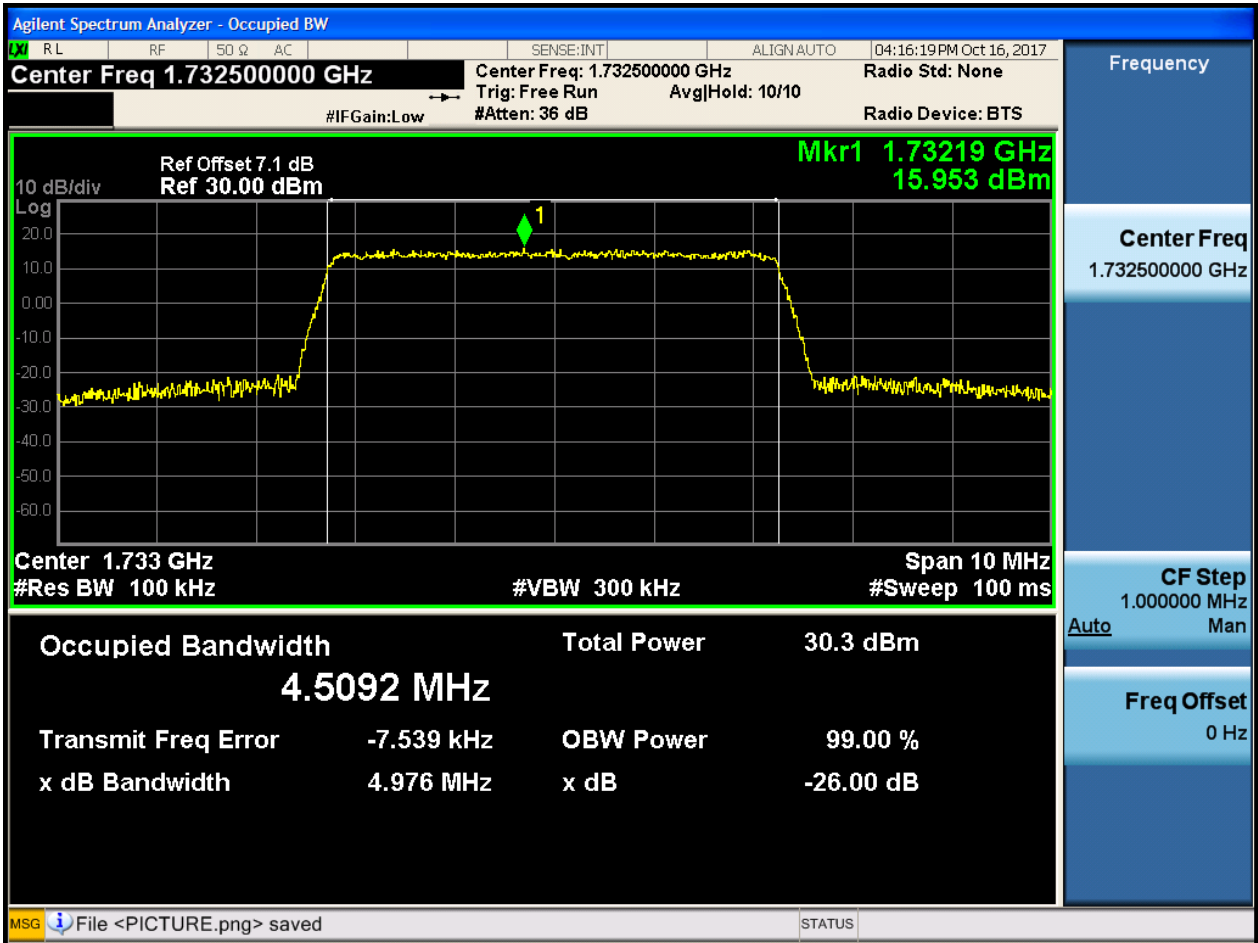
4.1.1.1.3.1.1 Test RB = RB25#0





4.1.1.1.3.2 Test Channel = MCH

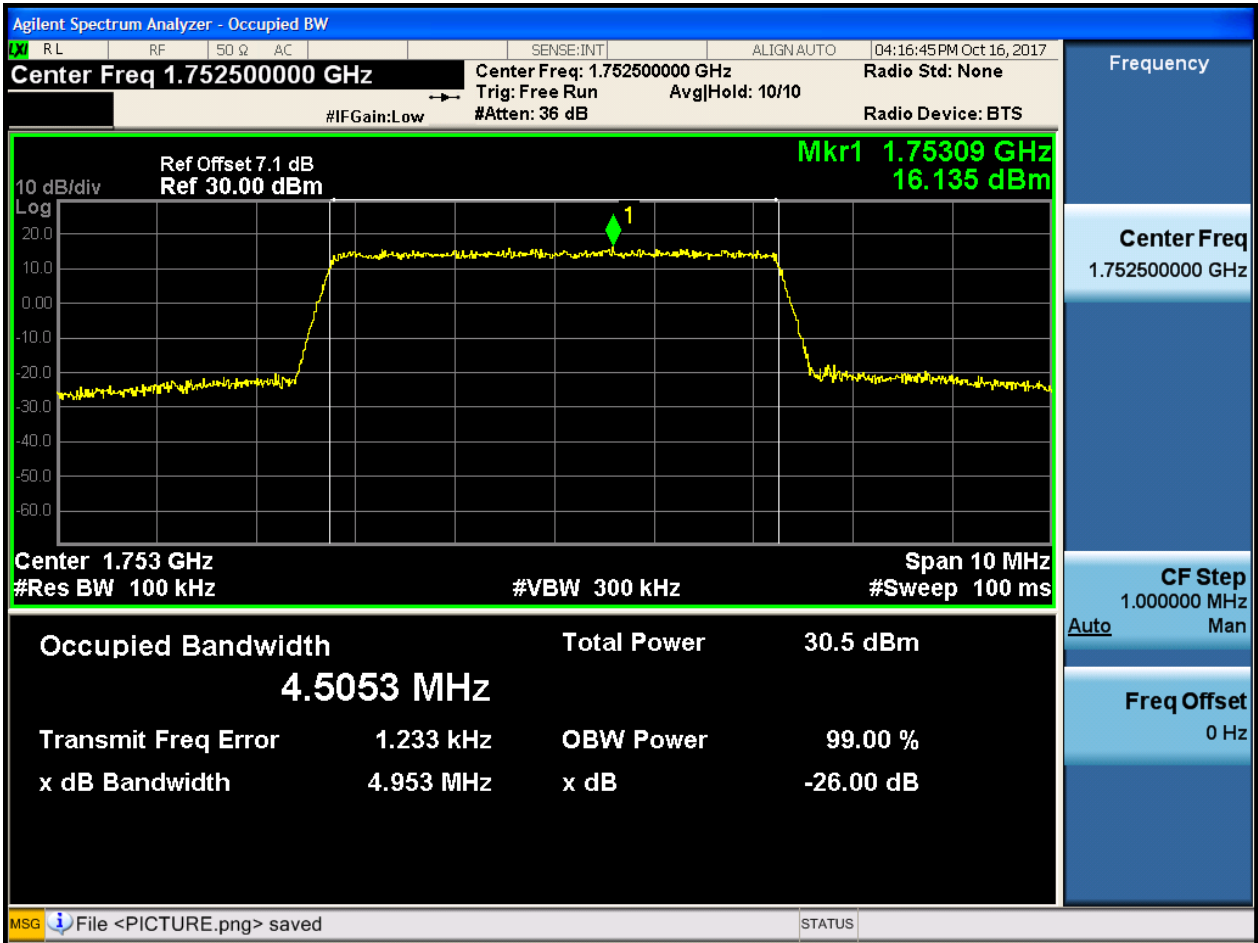
4.1.1.1.3.2.1 Test RB = RB25#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

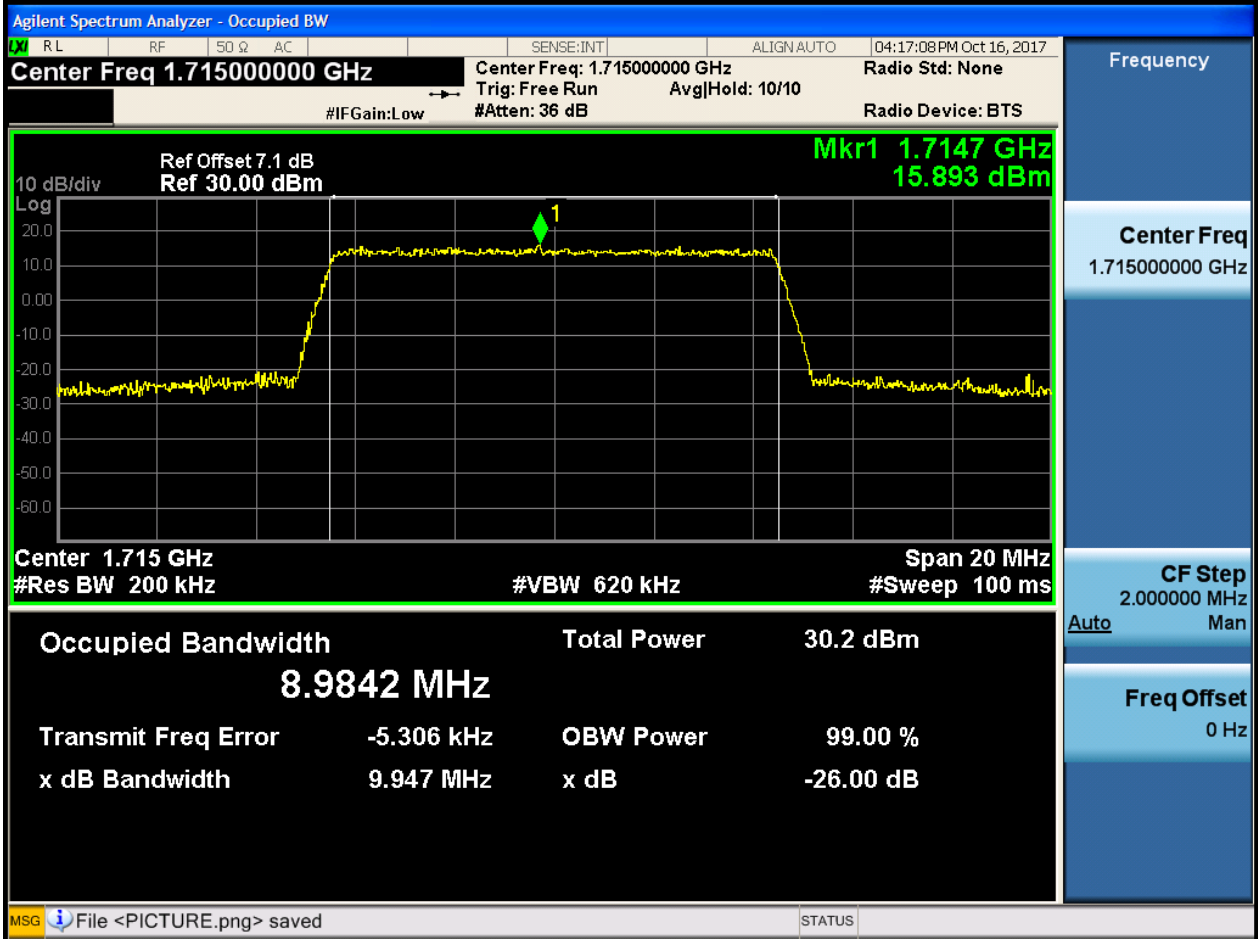




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB50#0

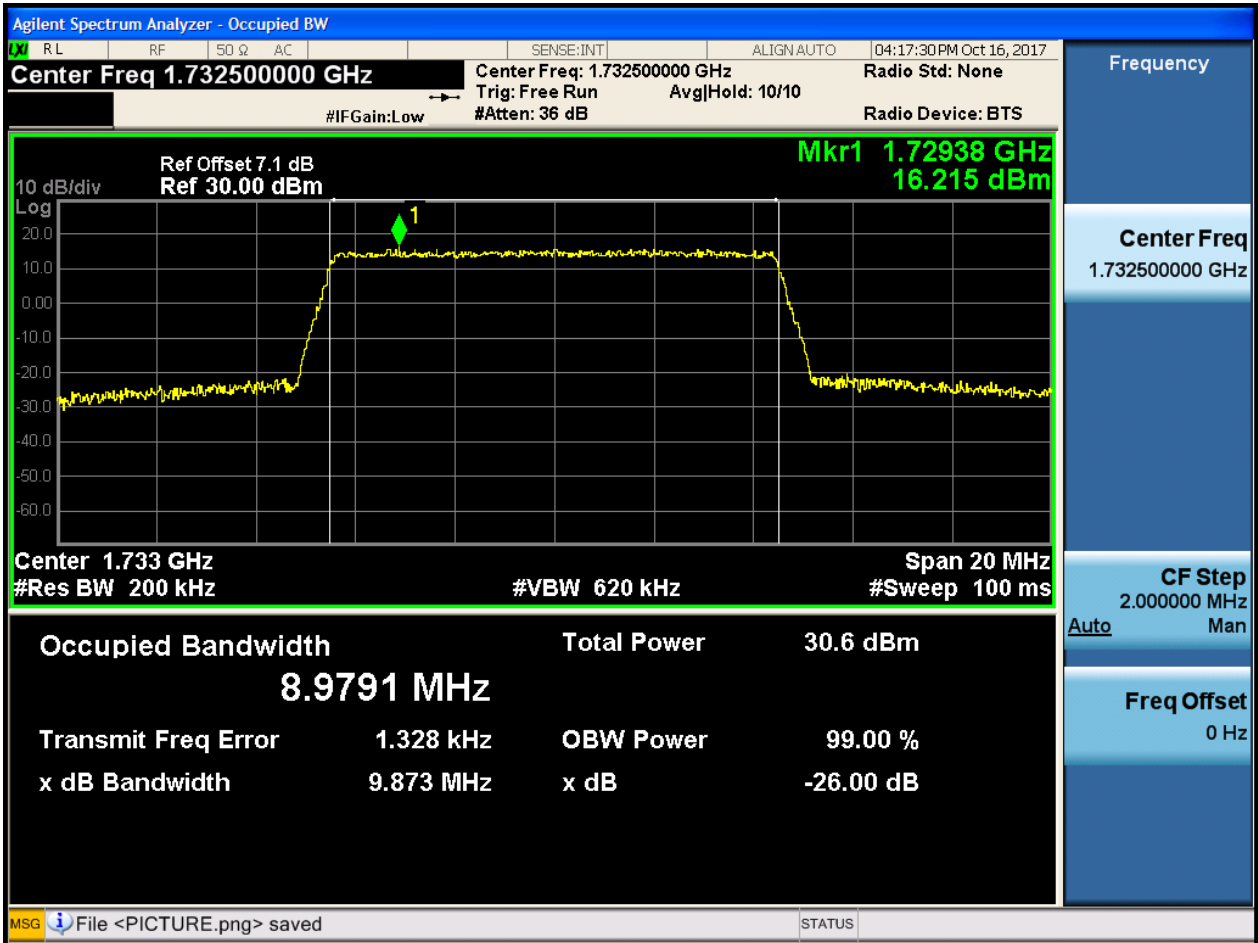






4.1.1.1.4.2 Test Channel = MCH

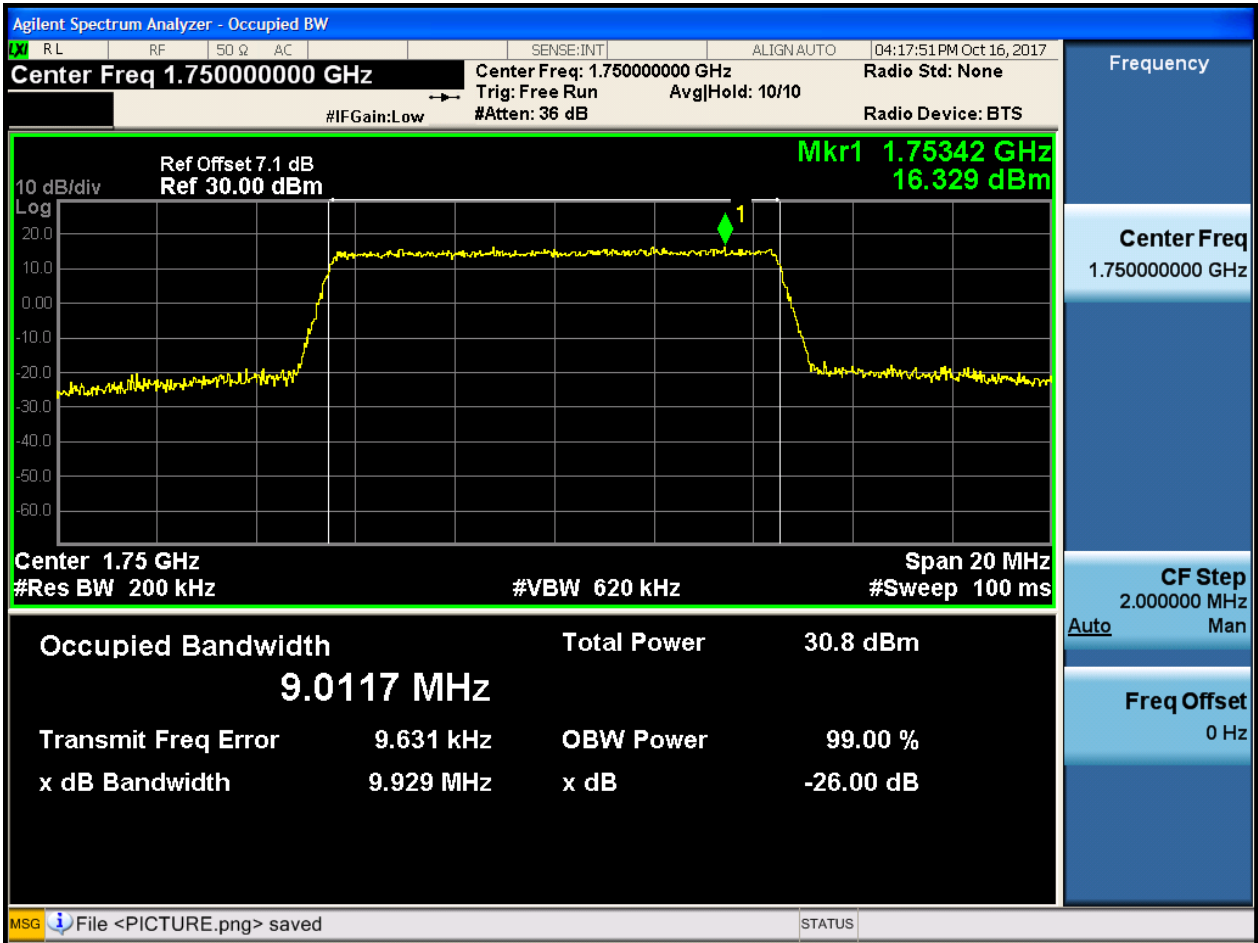
4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0

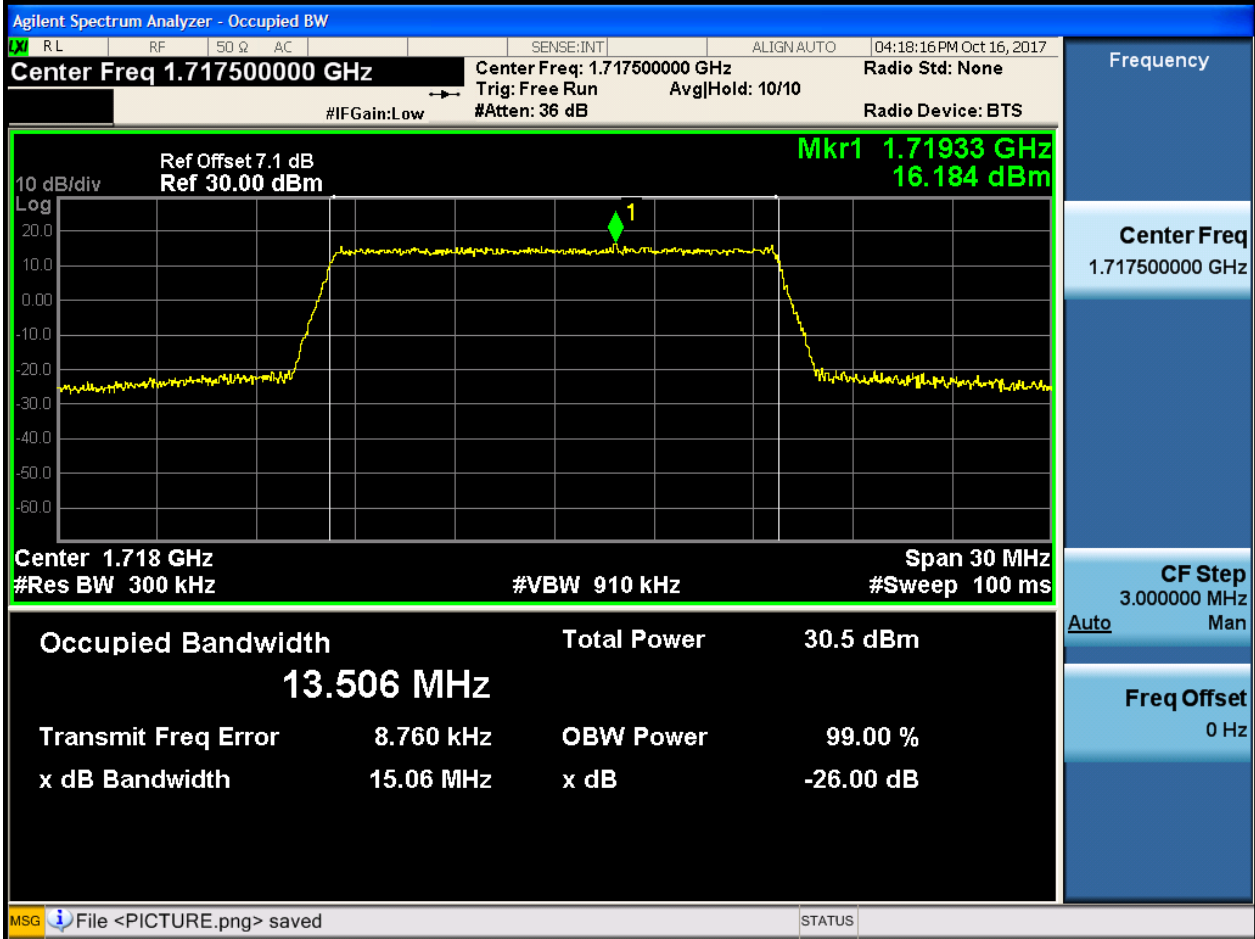




4.1.1.1.5 Test Bandwidth = 15

4.1.1.1.5.1 Test Channel = LCH

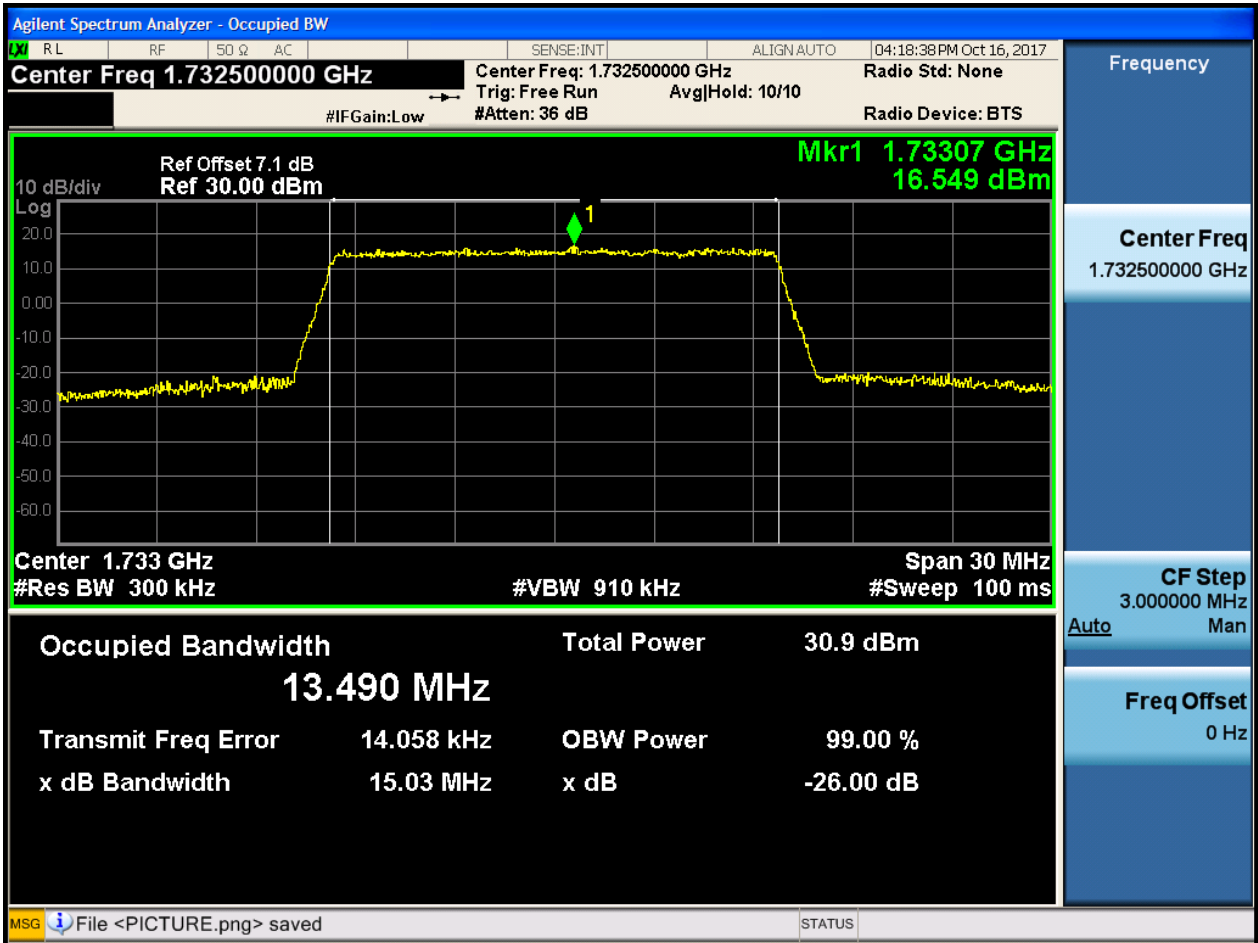
4.1.1.1.5.1.1 Test RB = RB75#0





4.1.1.1.5.2 Test Channel = MCH

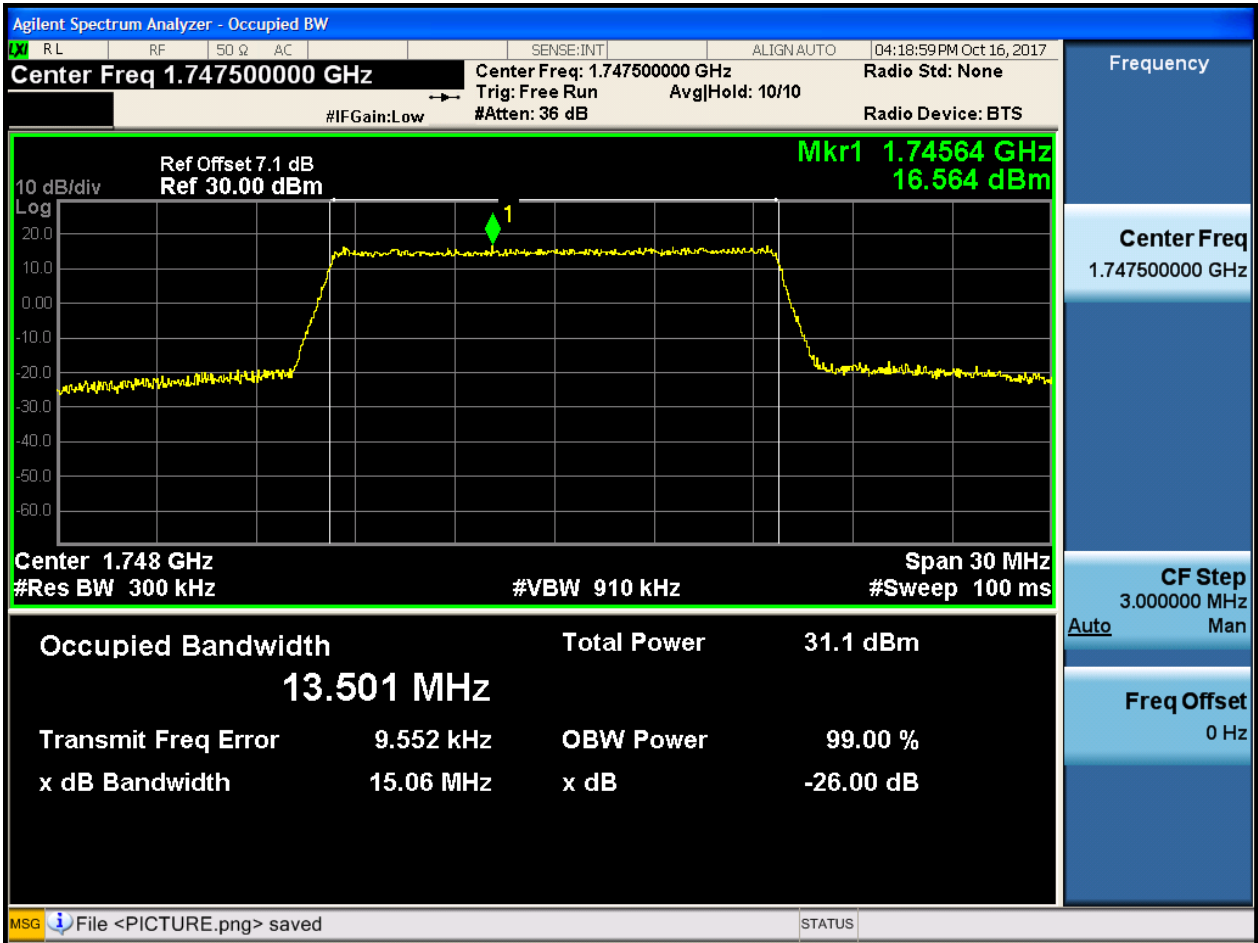
4.1.1.1.5.2.1 Test RB = RB75#0





4.1.1.1.5.3 Test Channel = HCH

4.1.1.1.5.3.1 Test RB = RB75#0

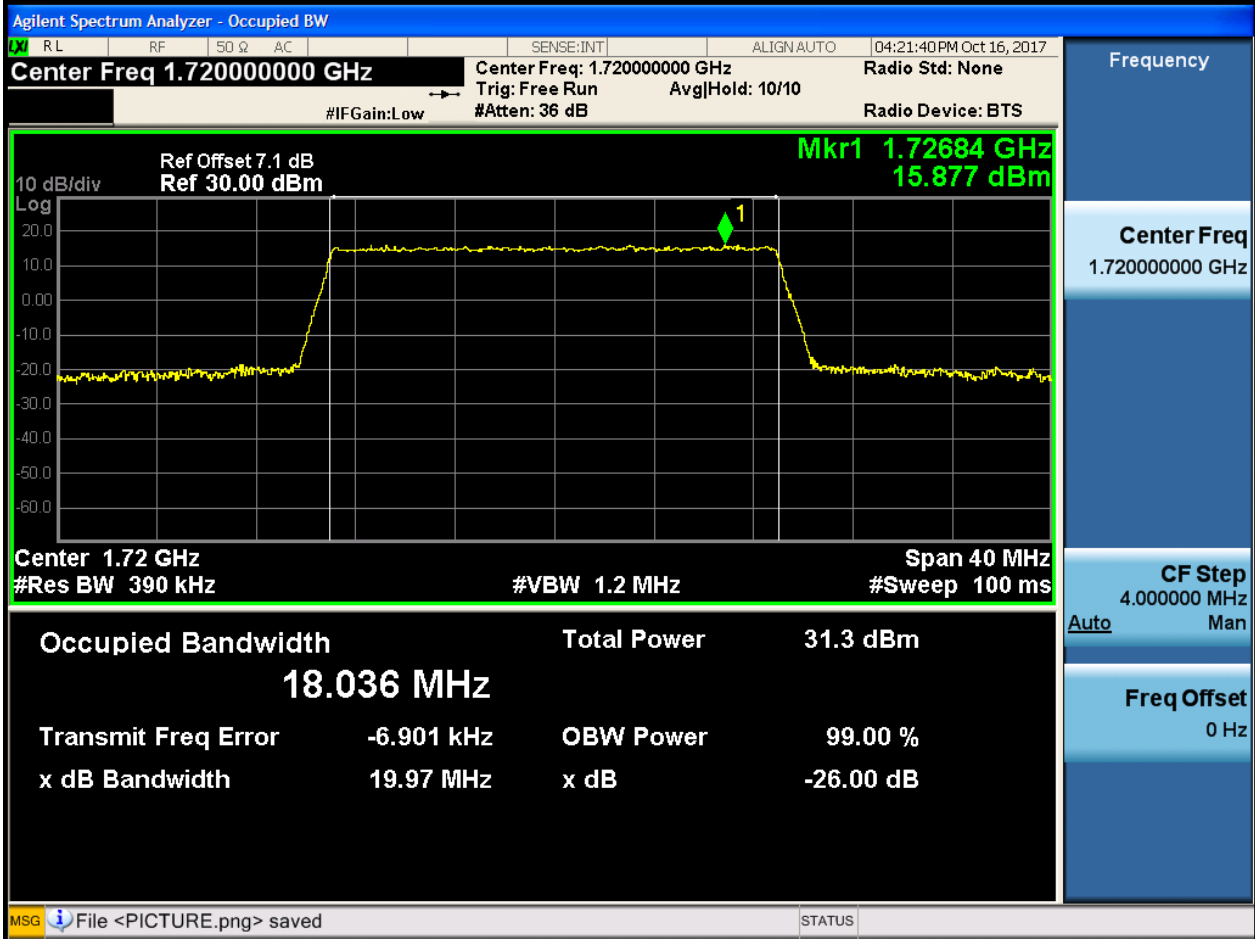




4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

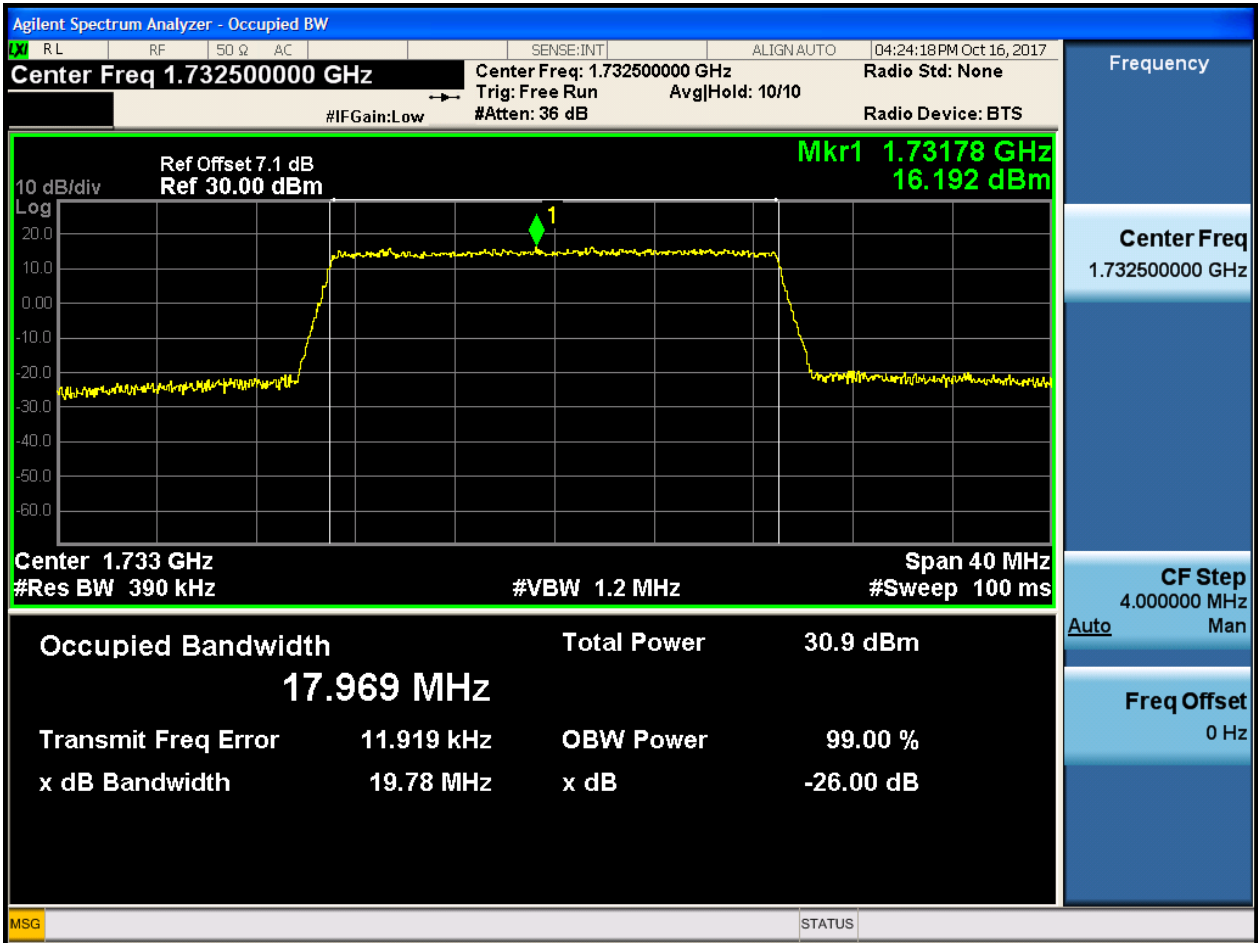
4.1.1.1.6.1.1 Test RB = RB100#0





4.1.1.1.6.2 Test Channel = MCH

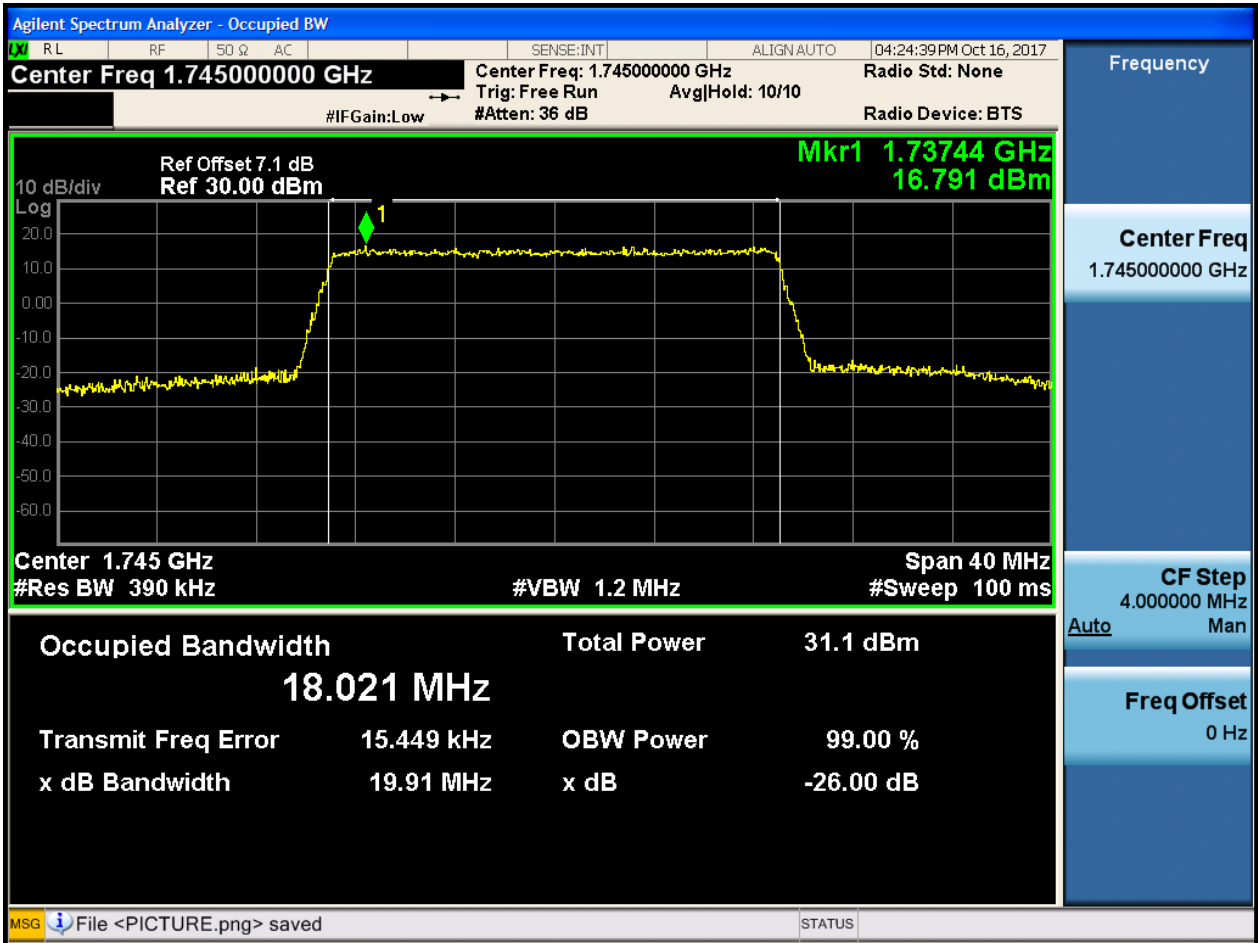
4.1.1.1.6.2.1 Test RB = RB100#0





4.1.1.1.6.3 Test Channel = HCH

4.1.1.1.6.3.1 Test RB = RB100#0





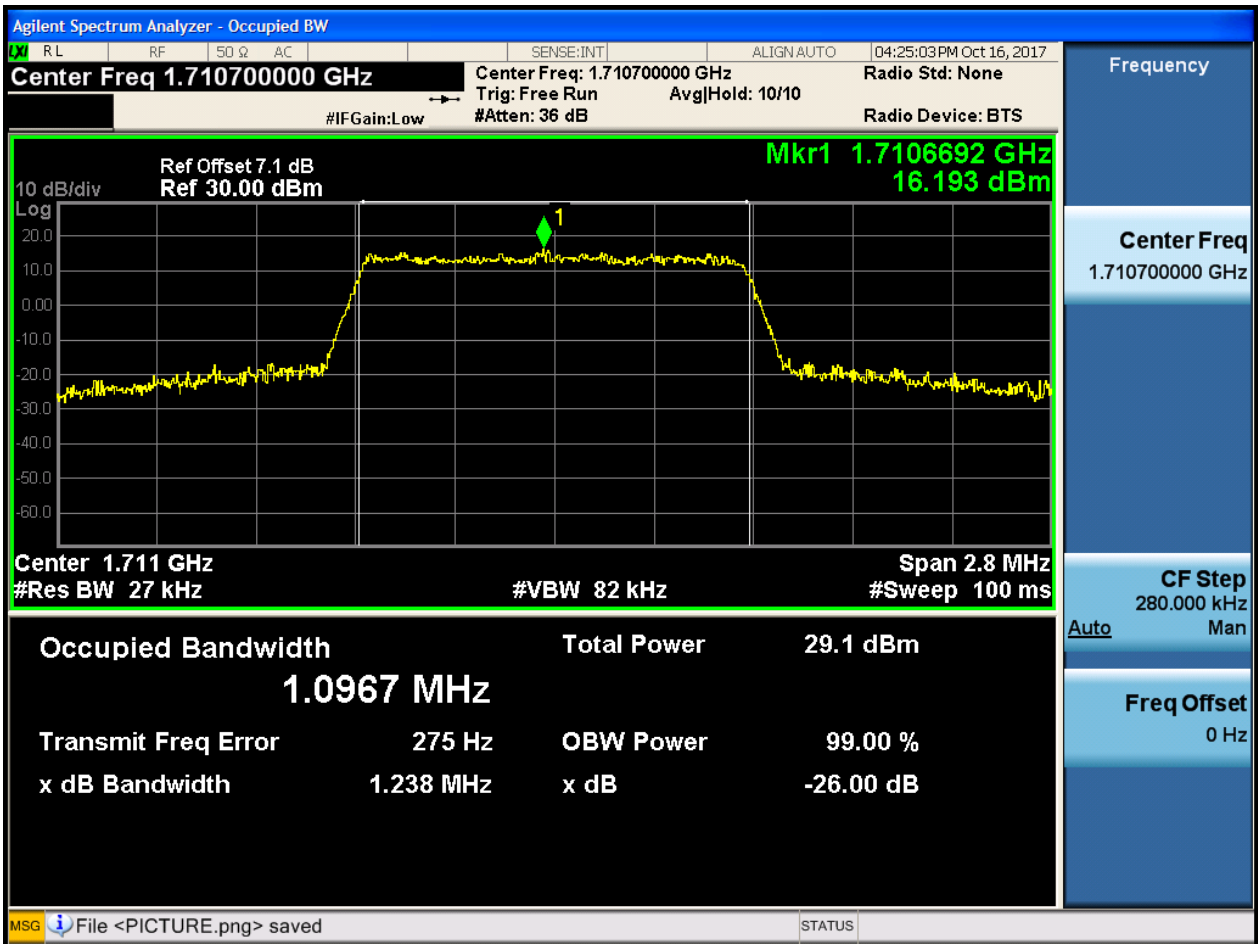


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

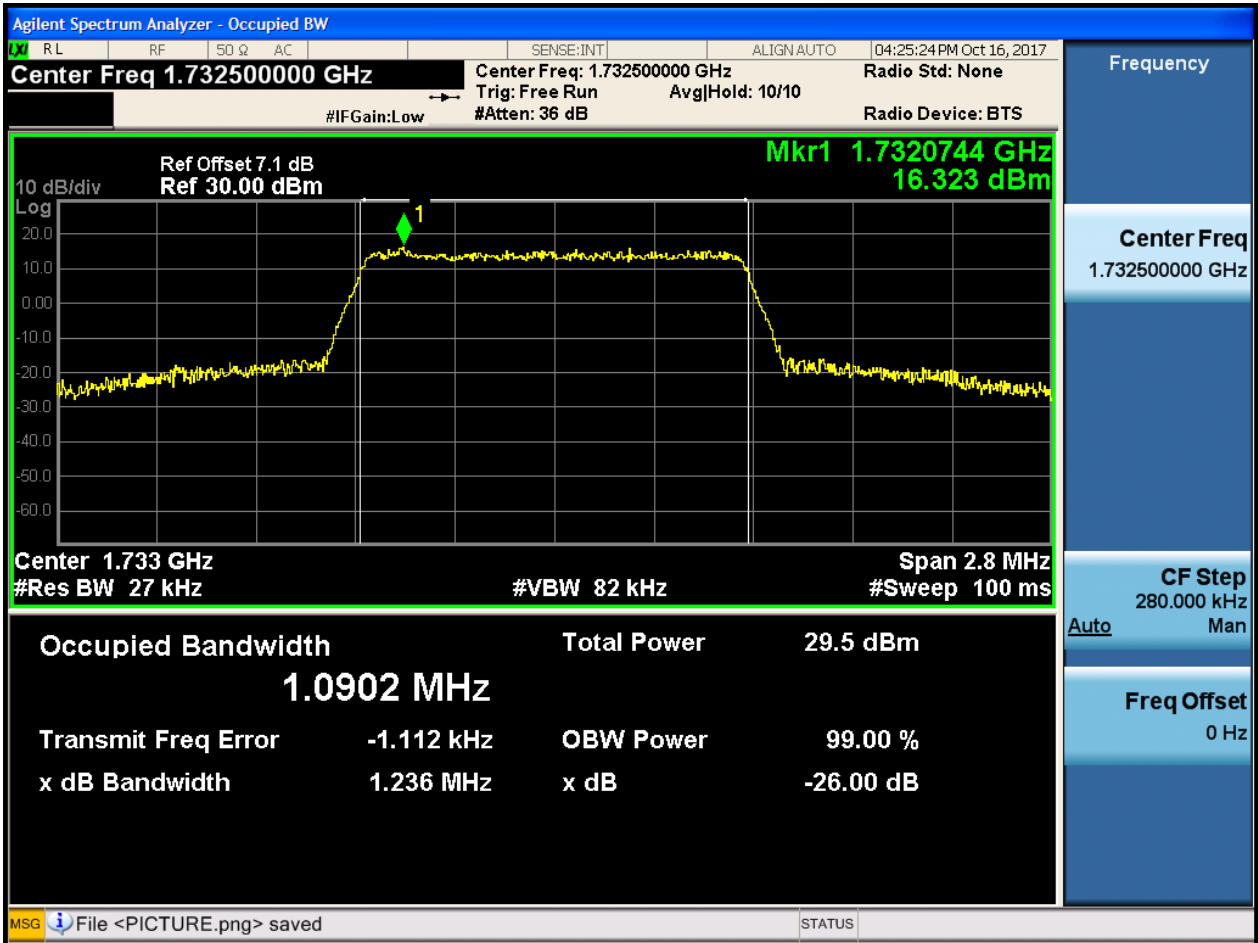
4.1.1.2.1.1.1 Test RB = RB6#0





4.1.1.2.1.2 Test Channel = MCH

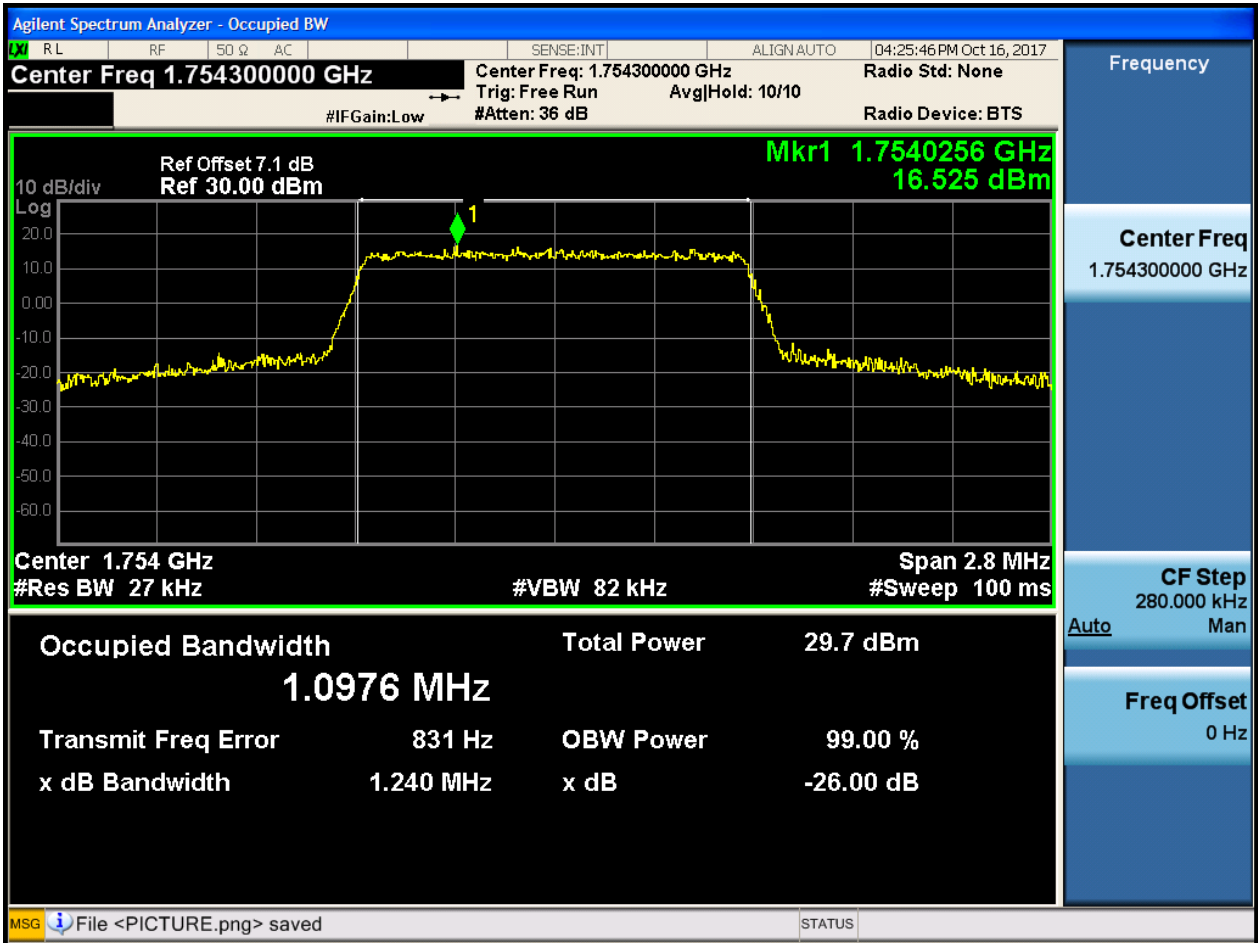
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

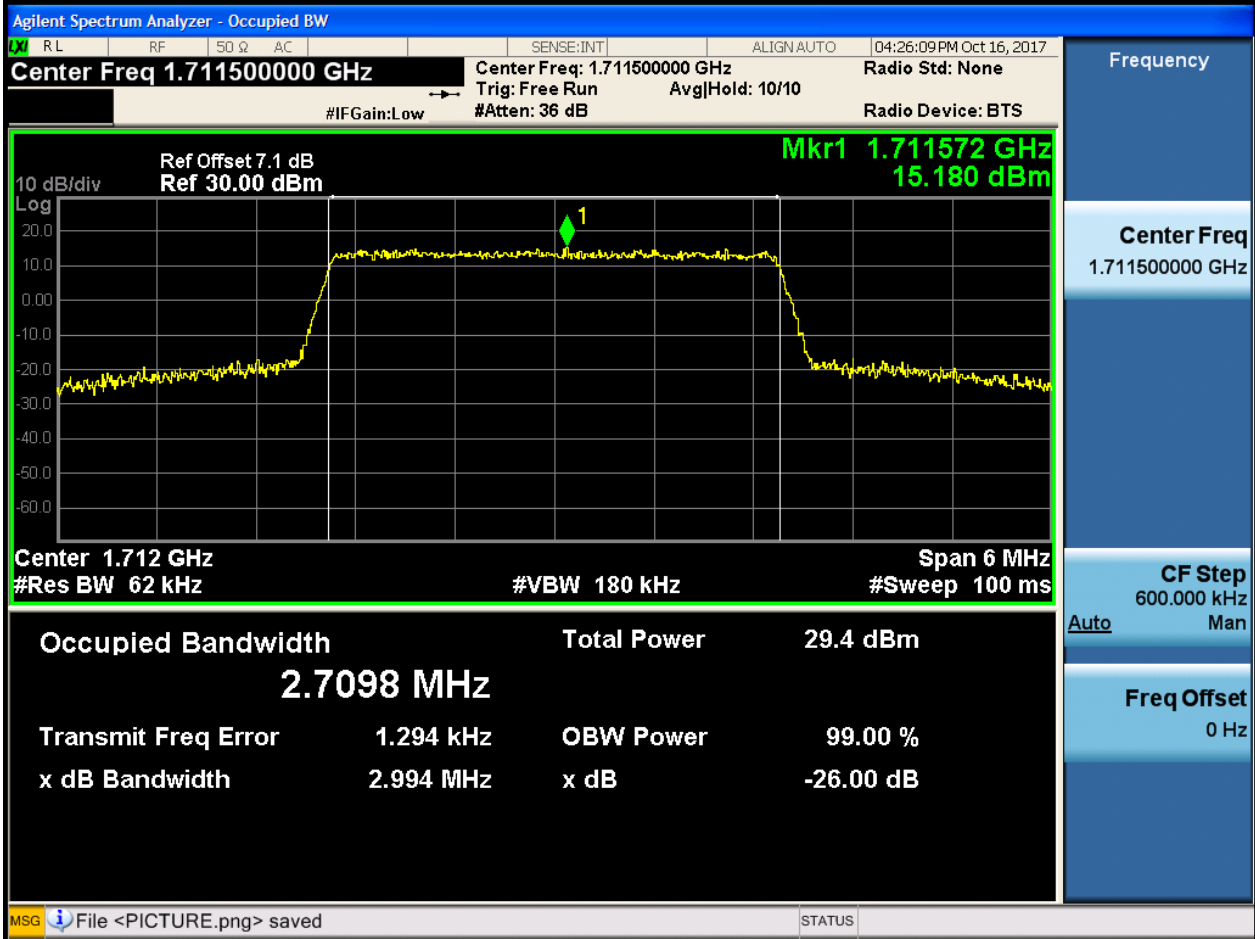




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

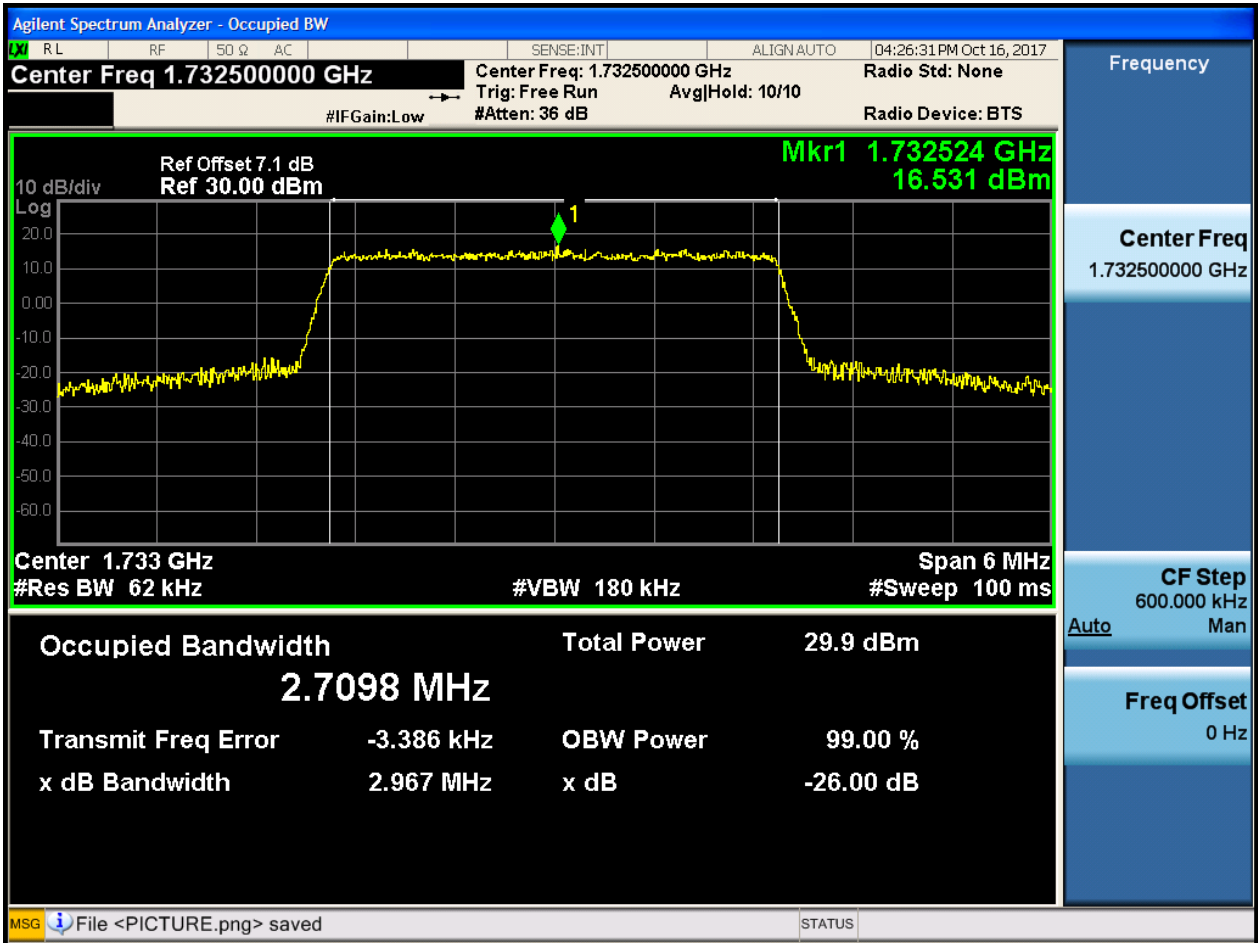
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2.2 Test Channel = MCH

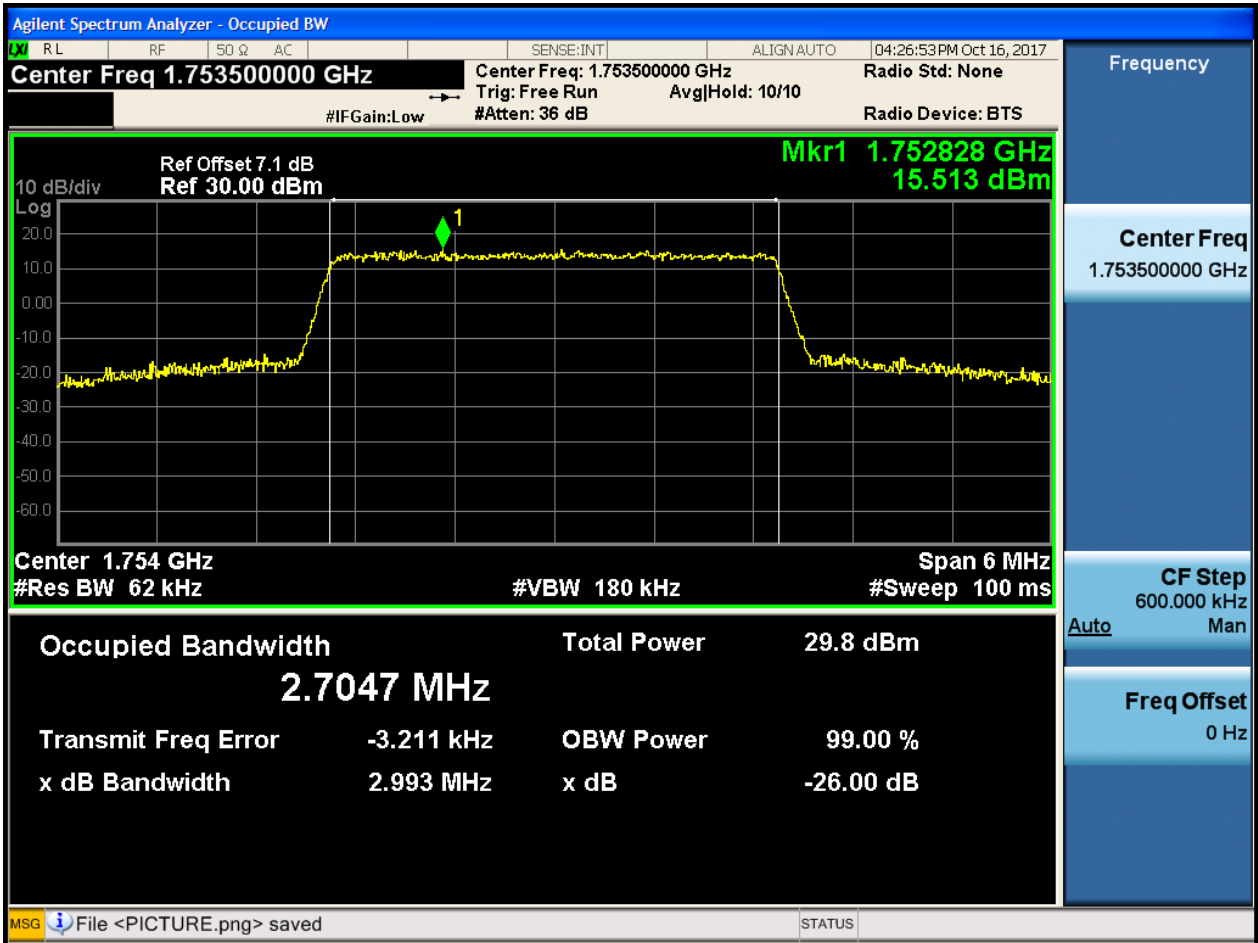
4.1.1.2.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

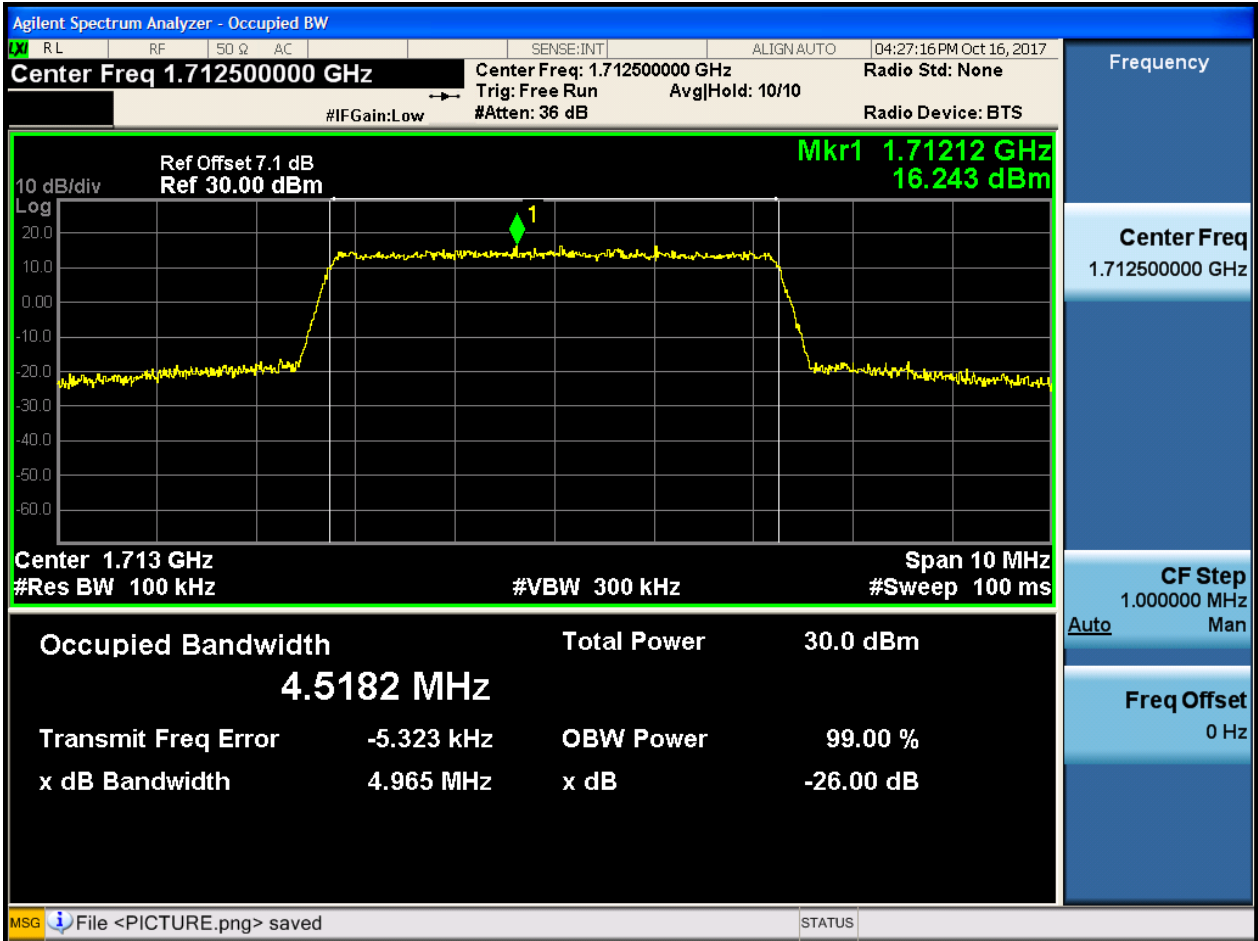




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

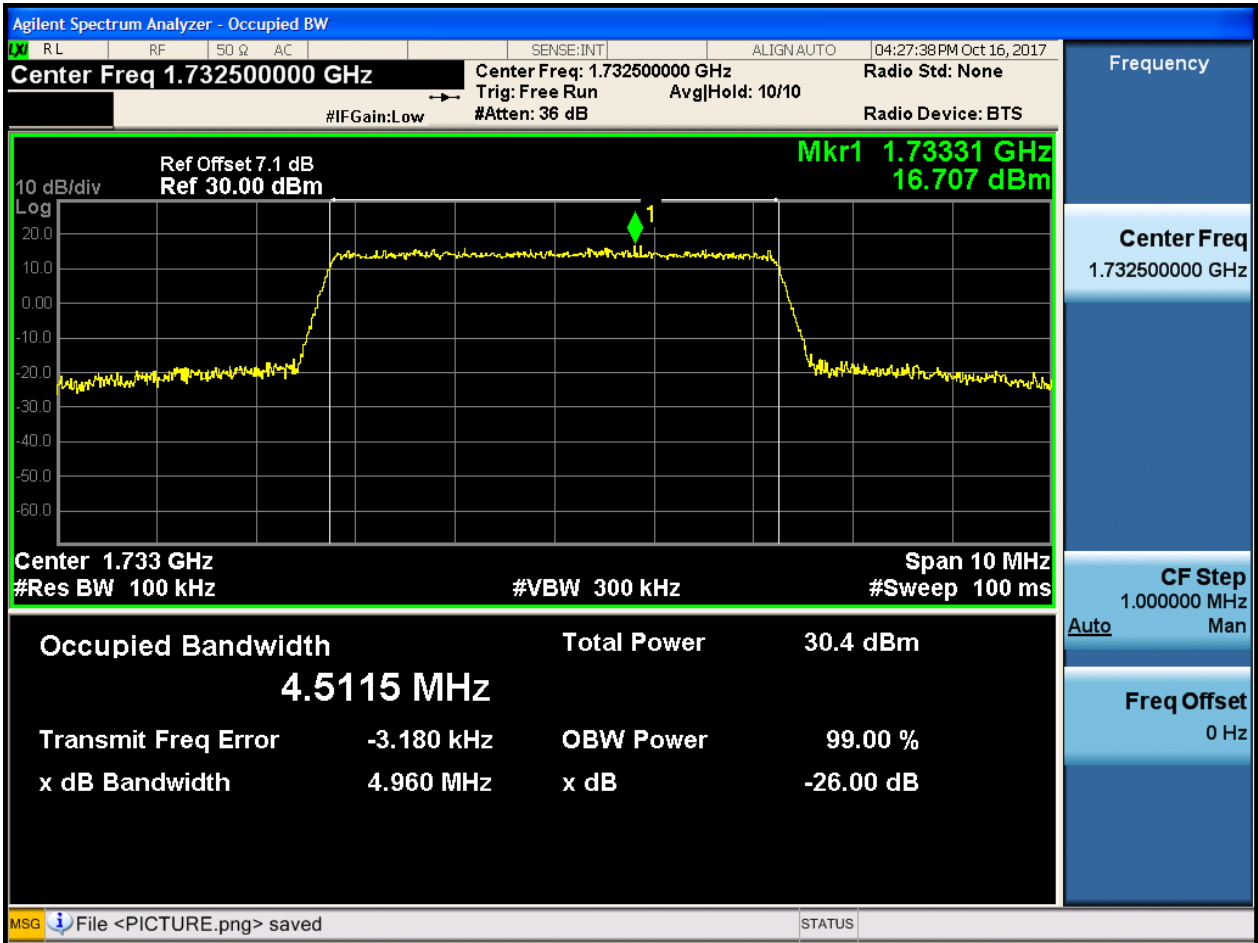
4.1.1.2.3.1.1 Test RB = RB25#0





4.1.1.2.3.2 Test Channel = MCH

4.1.1.2.3.2.1 Test RB = RB25#0

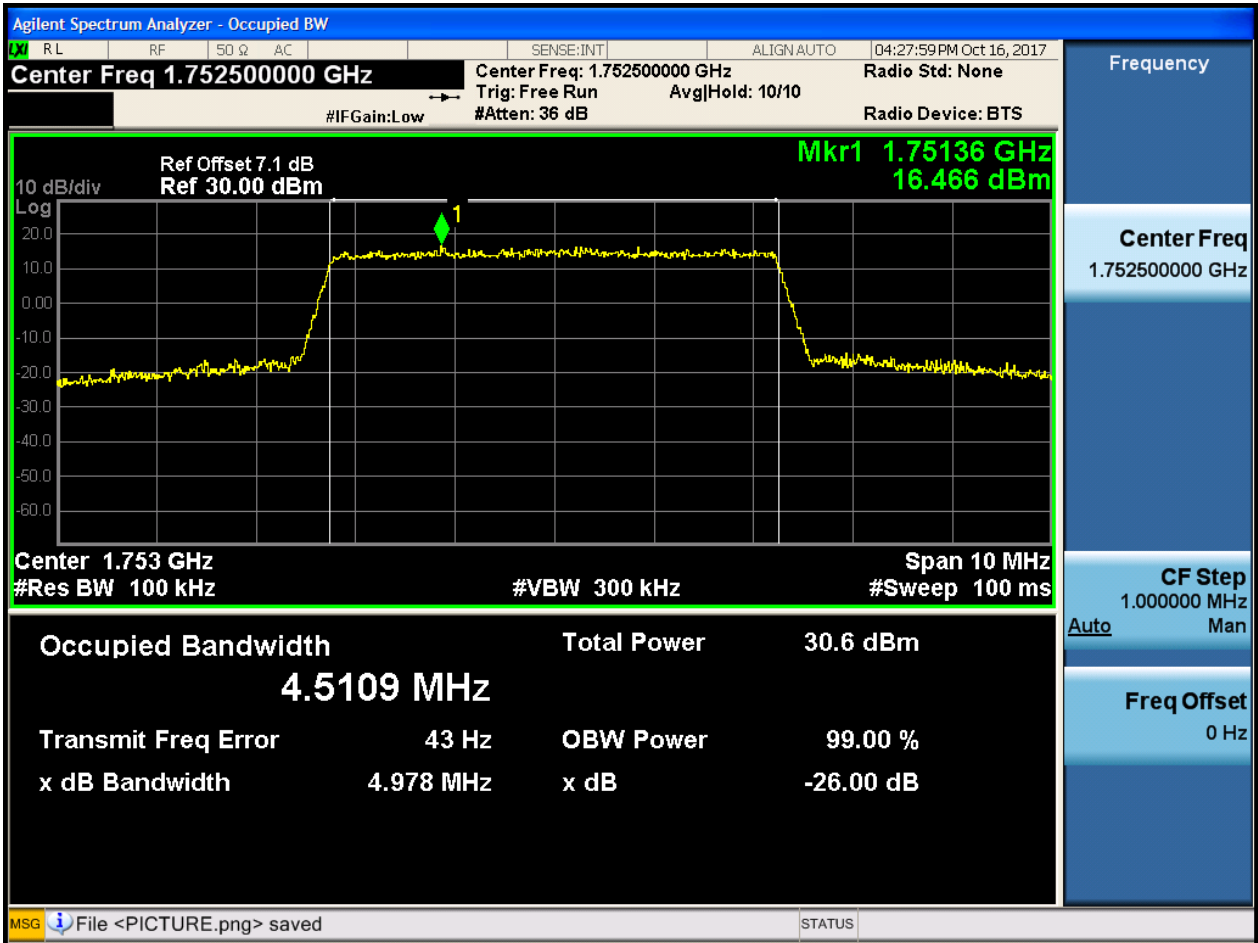






4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

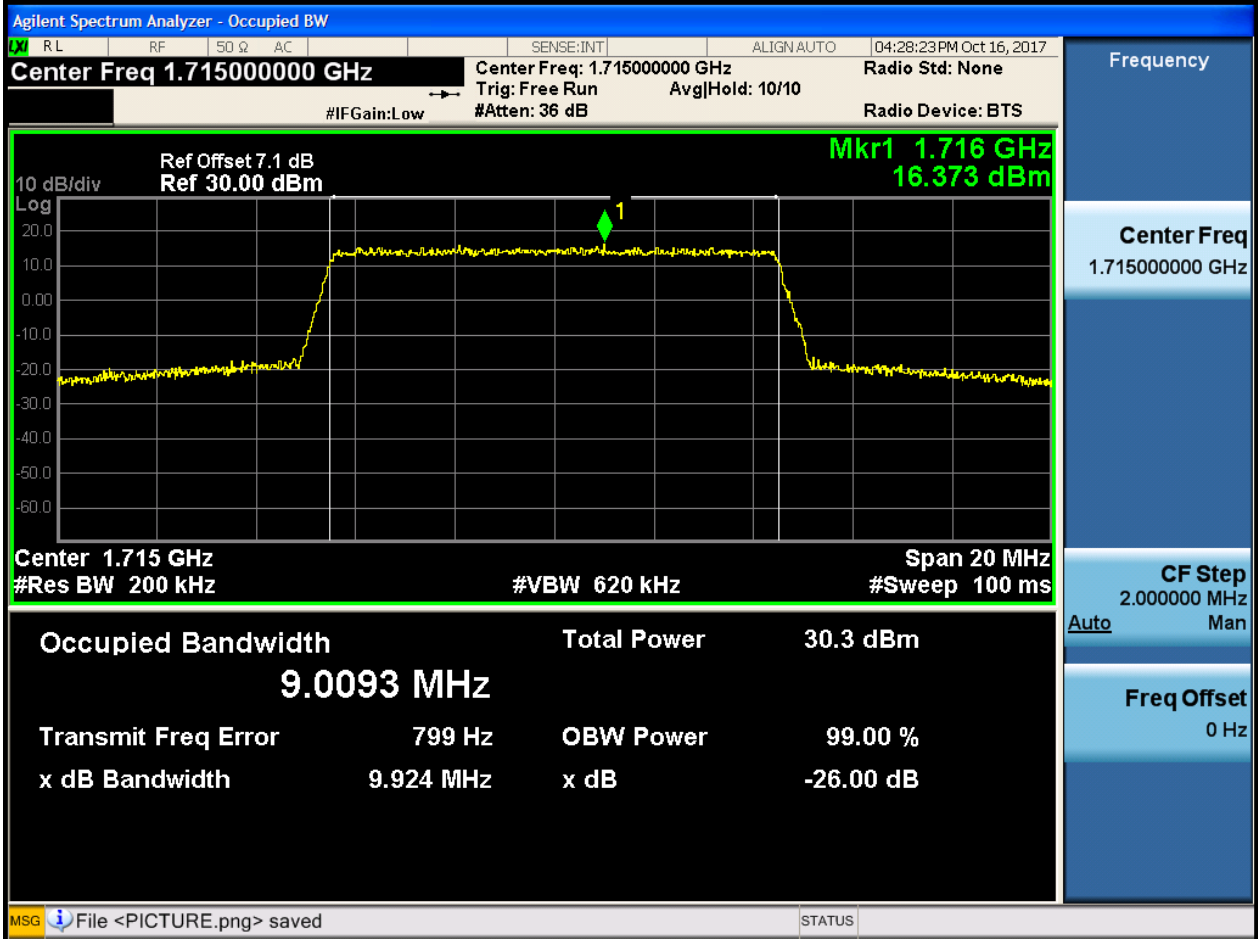




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

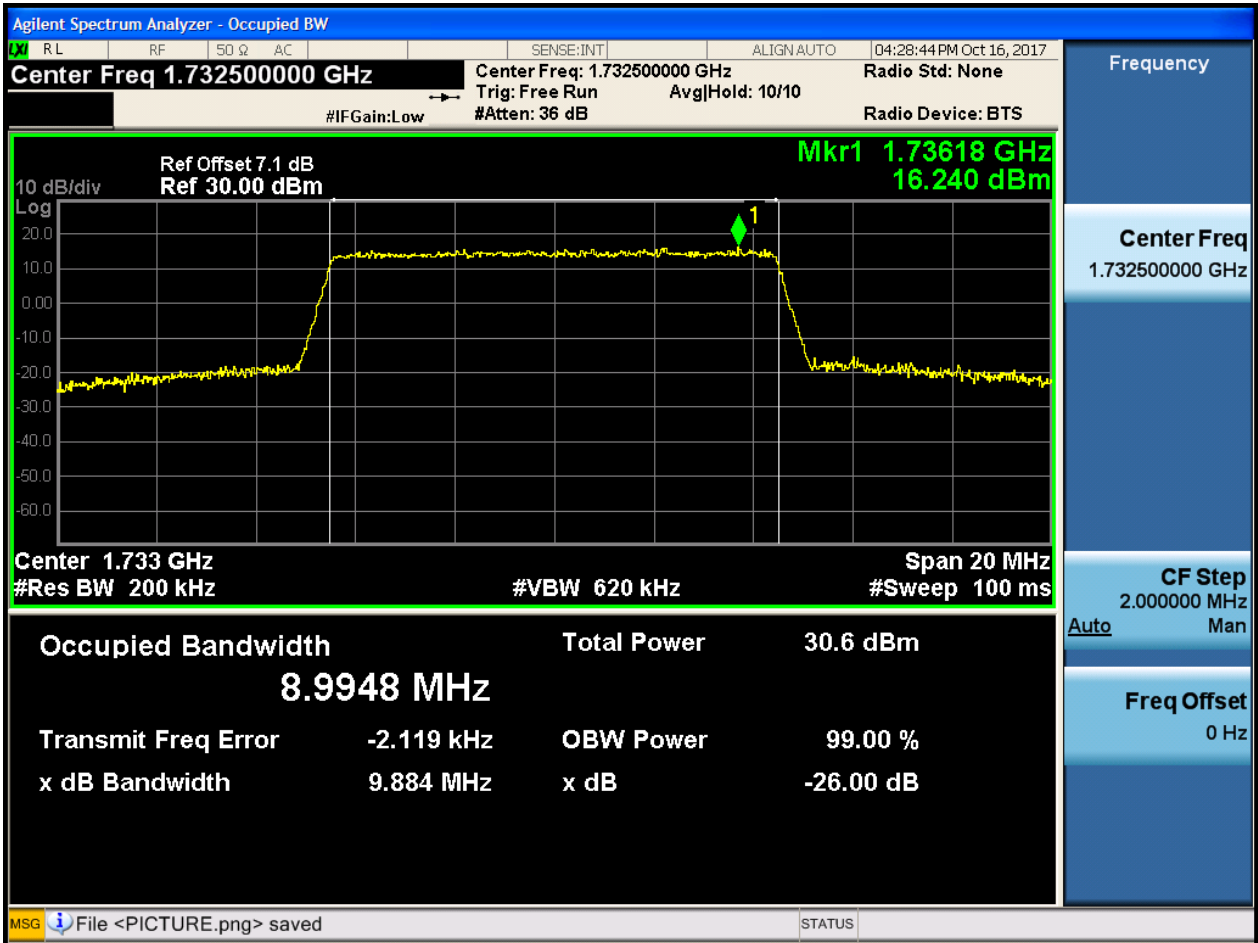
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

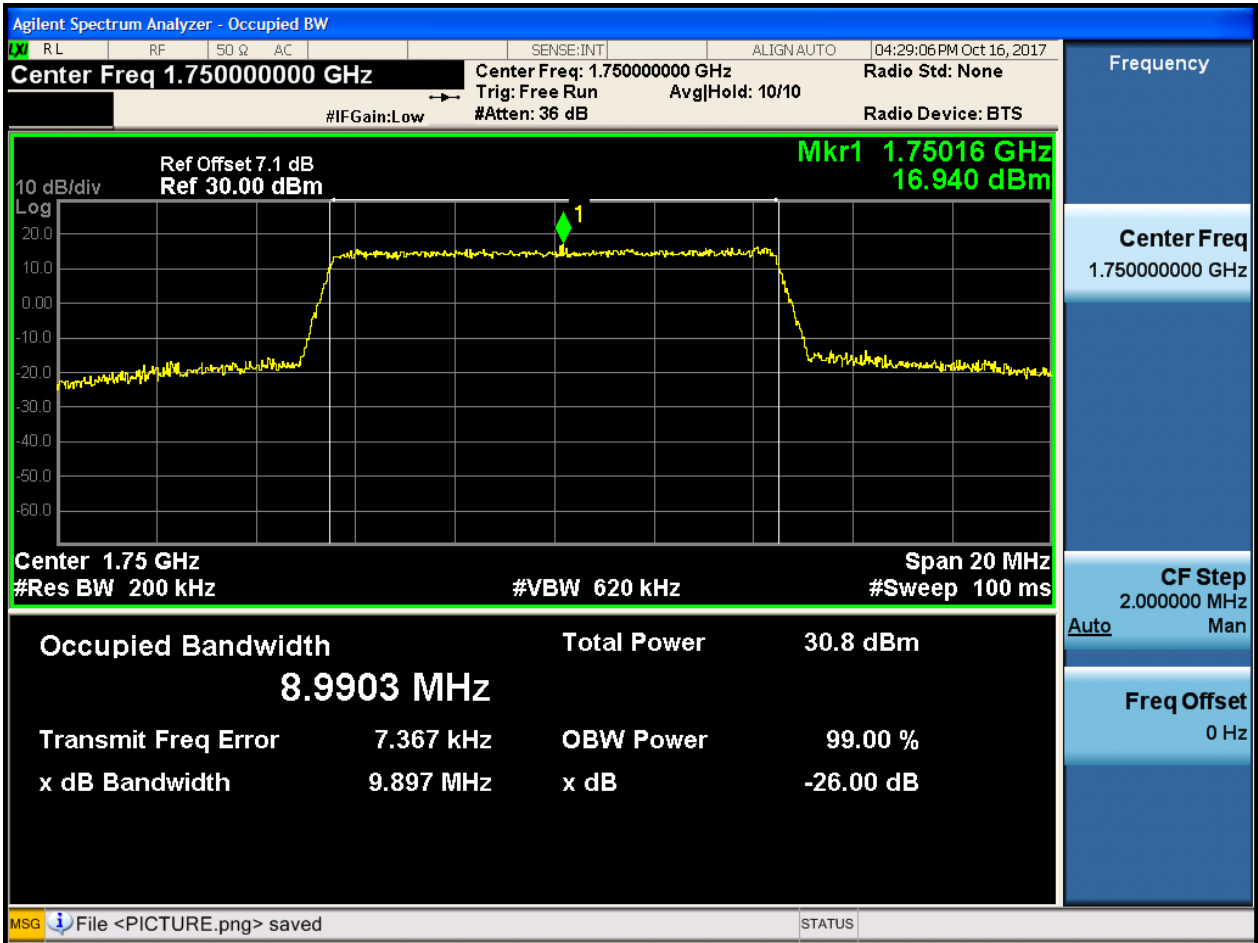
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0

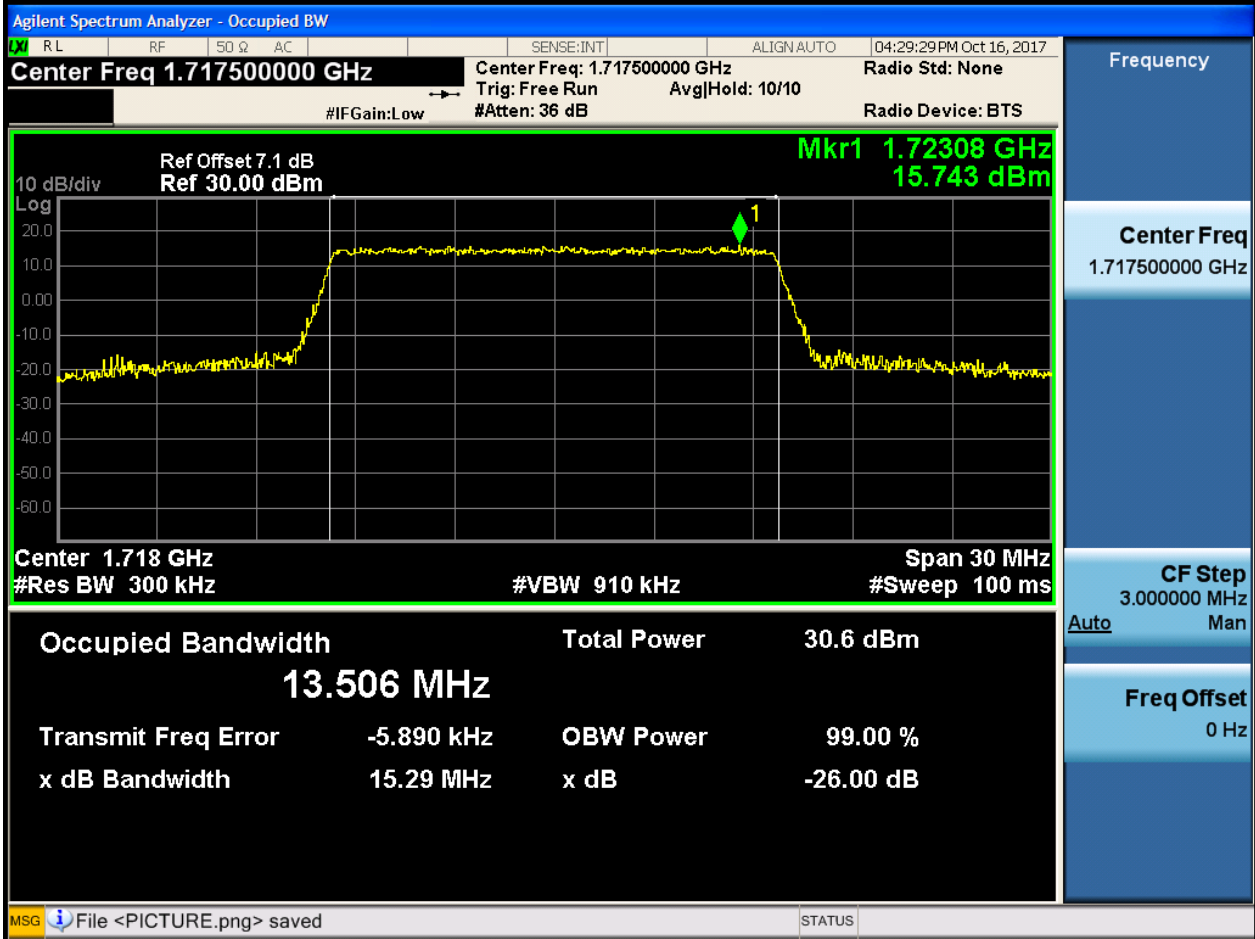




4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

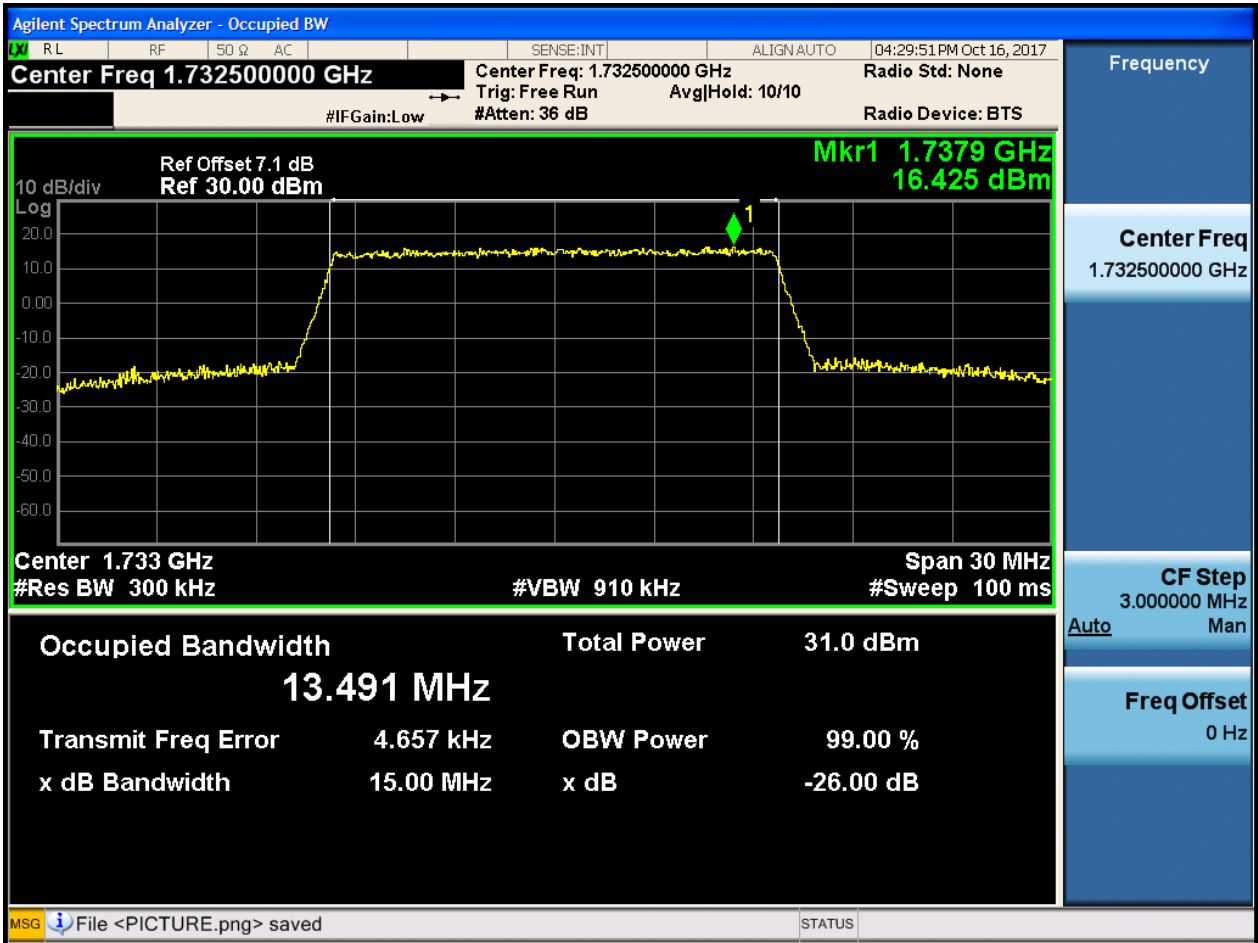
4.1.1.2.5.1.1 Test RB = RB75#0





4.1.1.2.5.2 Test Channel = MCH

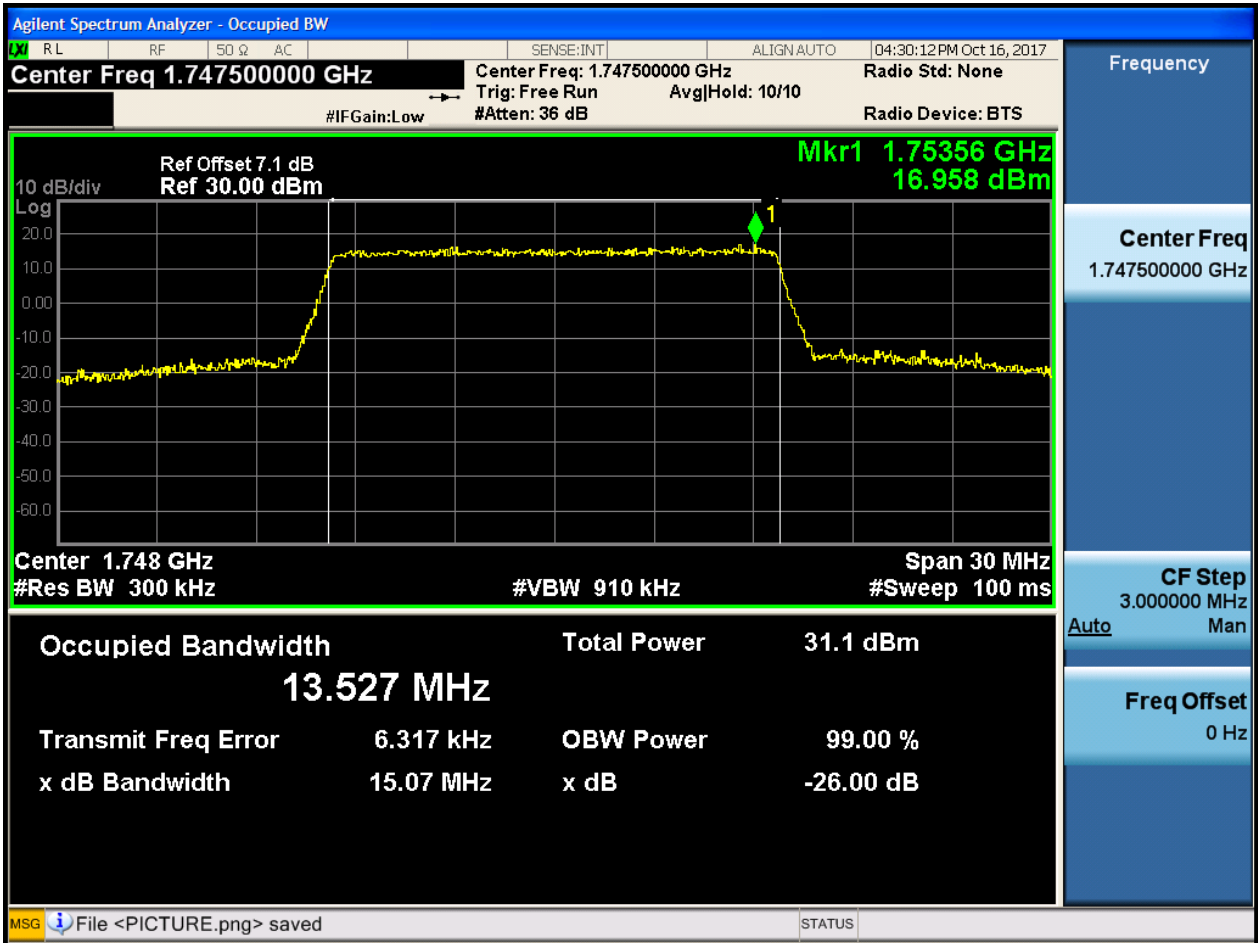
4.1.1.2.5.2.1 Test RB = RB75#0





4.1.1.2.5.3 Test Channel = HCH

4.1.1.2.5.3.1 Test RB = RB75#0

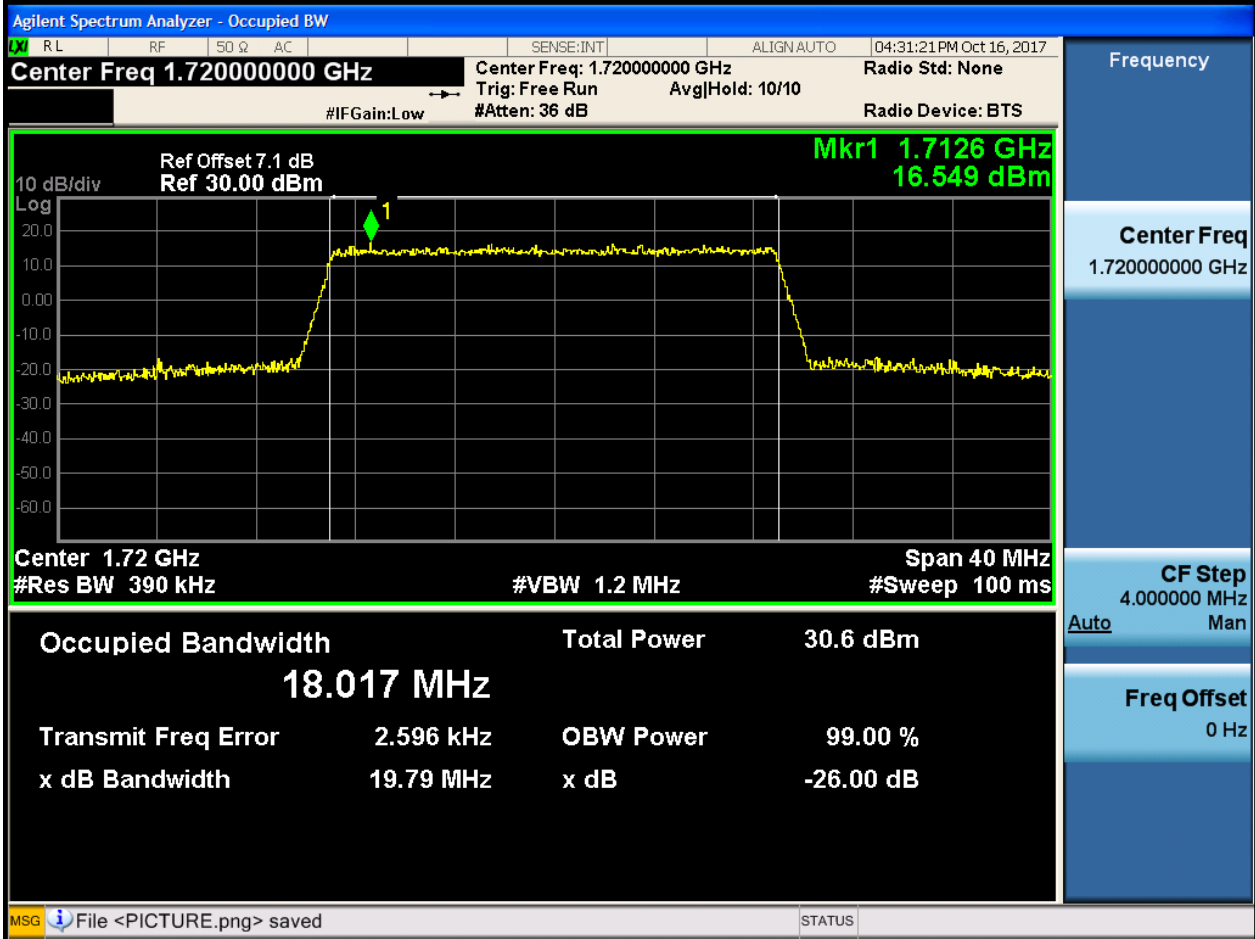




4.1.1.2.6 Test Bandwidth = 20

4.1.1.2.6.1 Test Channel = LCH

4.1.1.2.6.1.1 Test RB = RB100#0

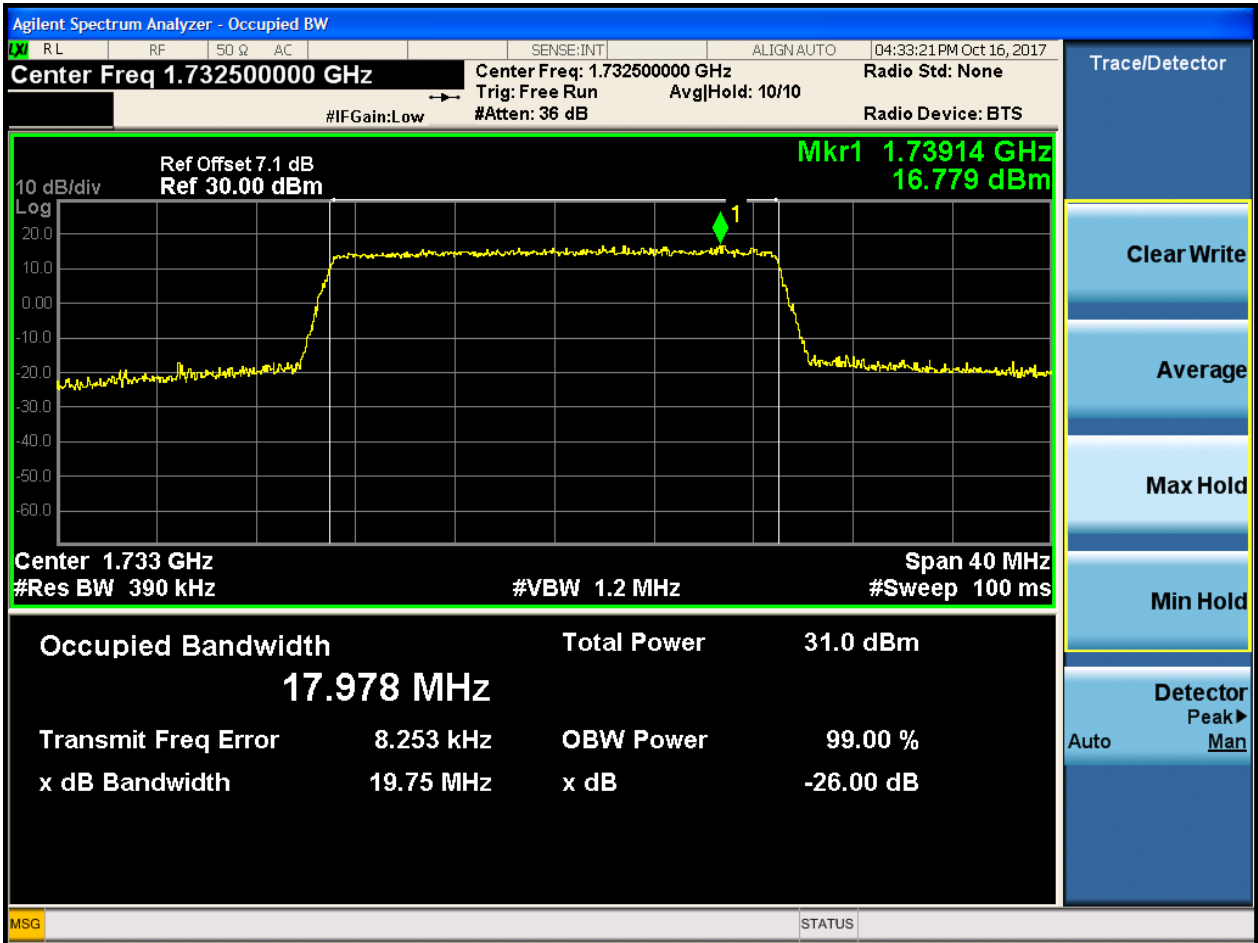






4.1.1.2.6.2 Test Channel = MCH

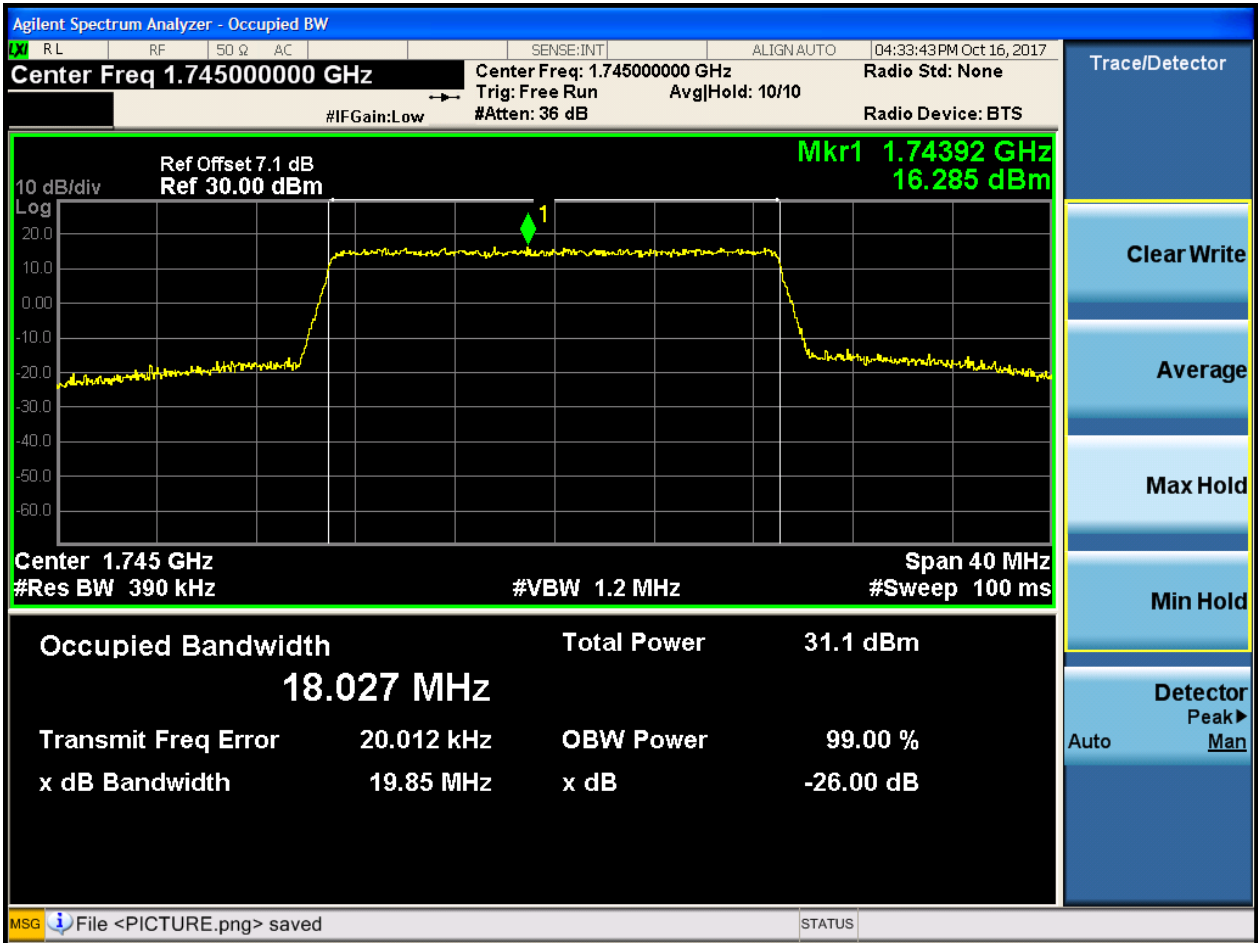
4.1.1.2.6.2.1 Test RB = RB100#0





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



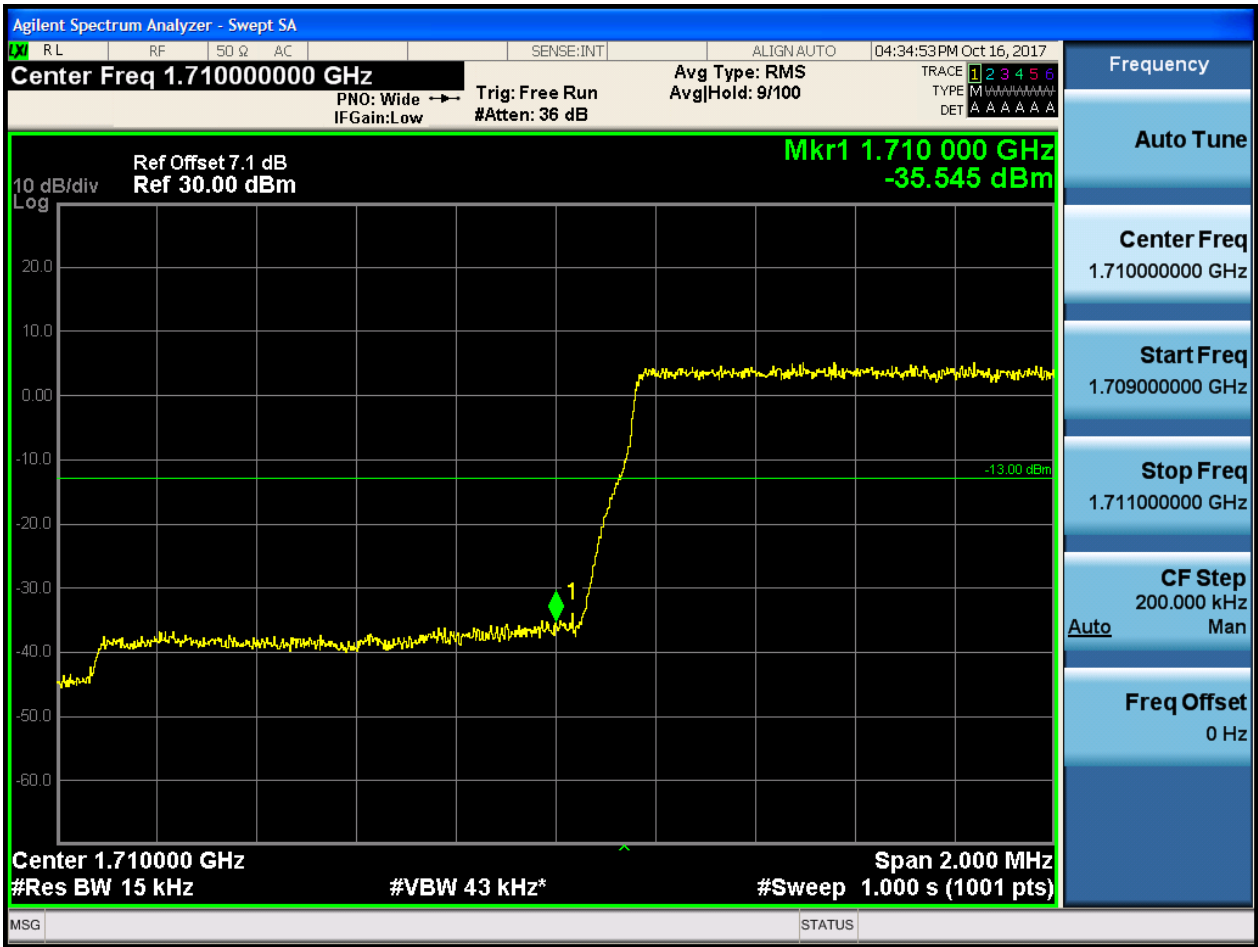


5.1.1.1.1.3 Test RB = RB3#2





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







5.1.1.1.1.2.3 Test RB = RB3#2





5.1.1.1.2.4 Test RB = RB6#0

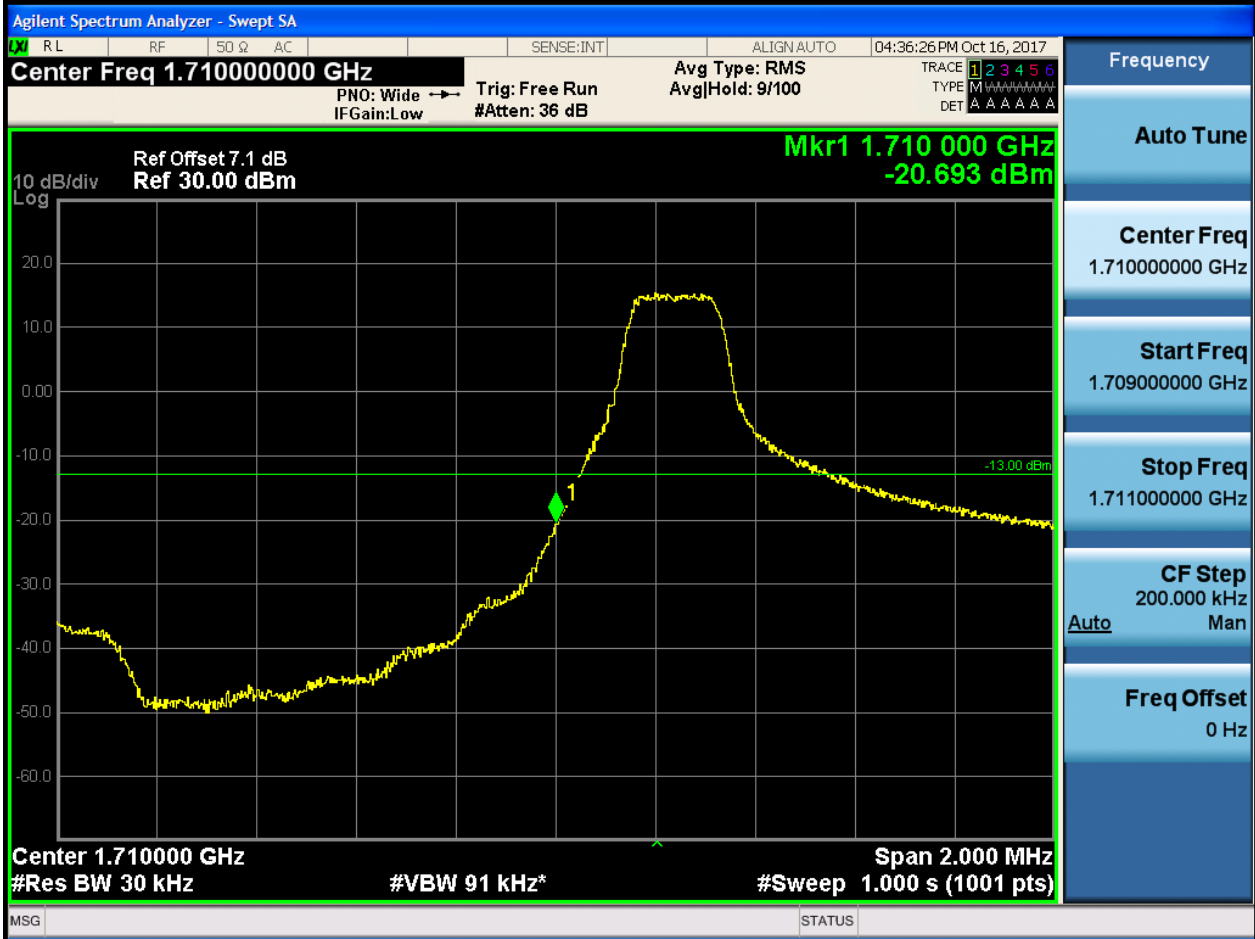




5.1.1.1.2 Test Bandwidth = 3

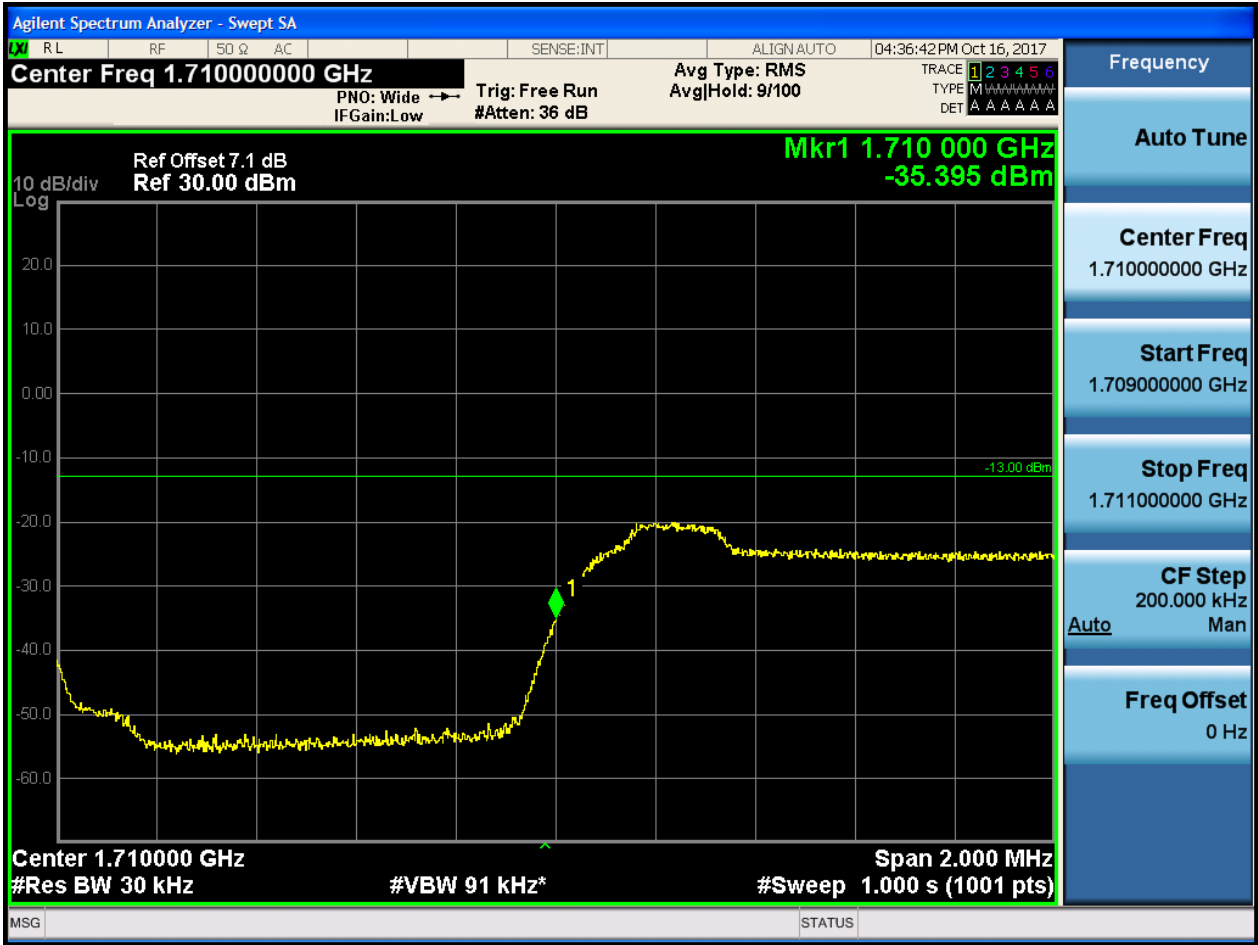
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0





5.1.1.1.2.1.2 Test RB = RB1#14



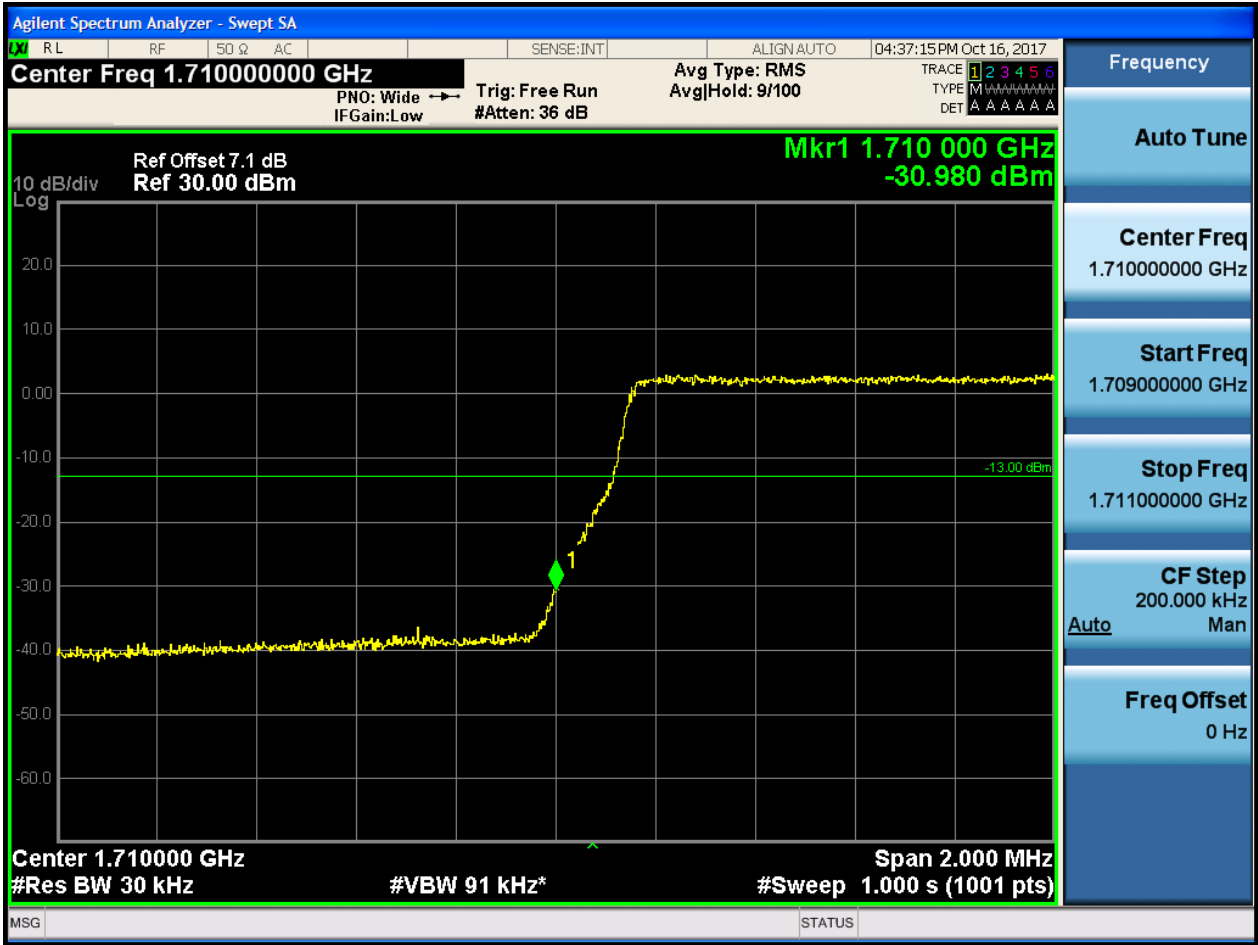


5.1.1.1.2.1.3 Test RB = RB8#4





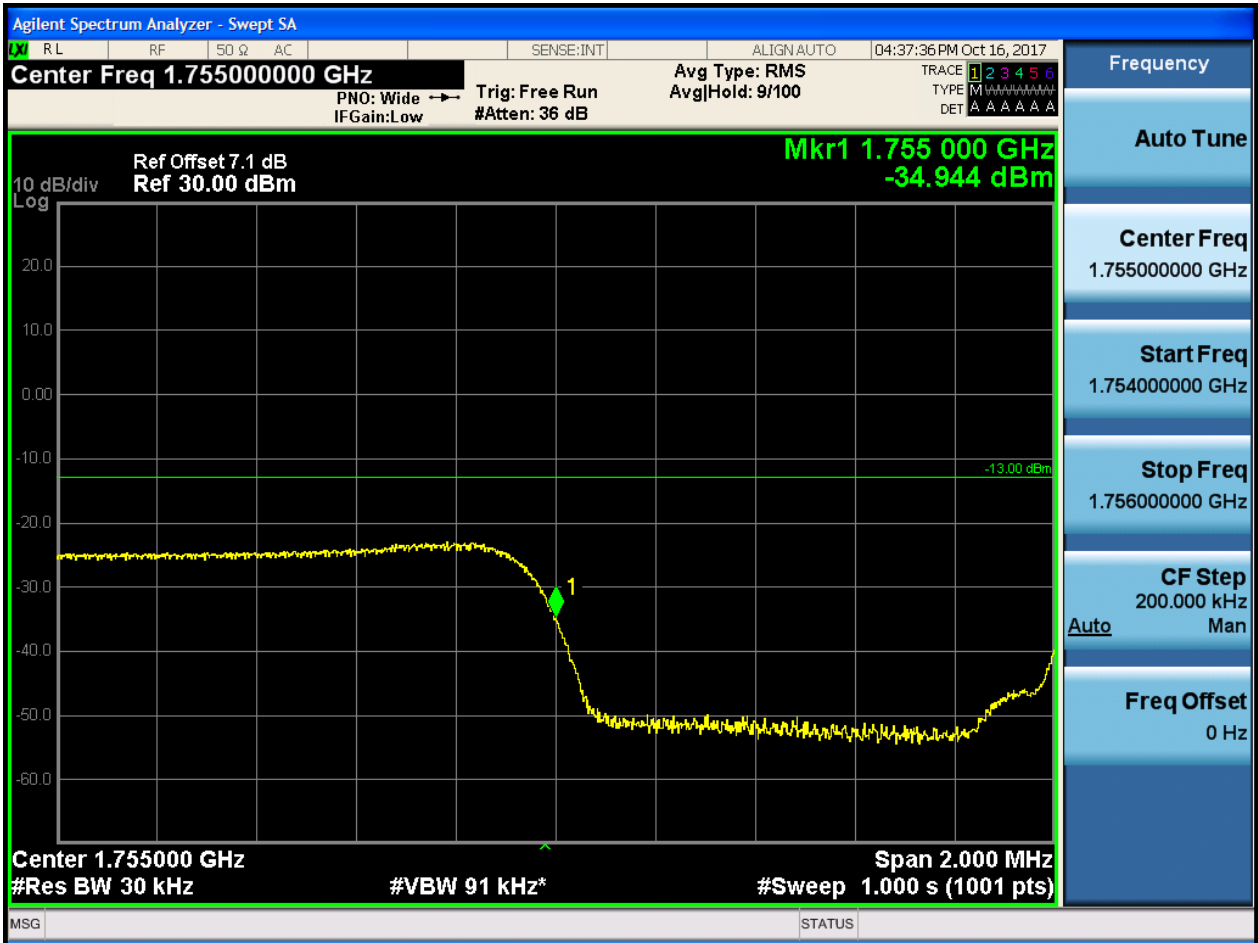
5.1.1.1.2.1.4 Test RB = RB15#0





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

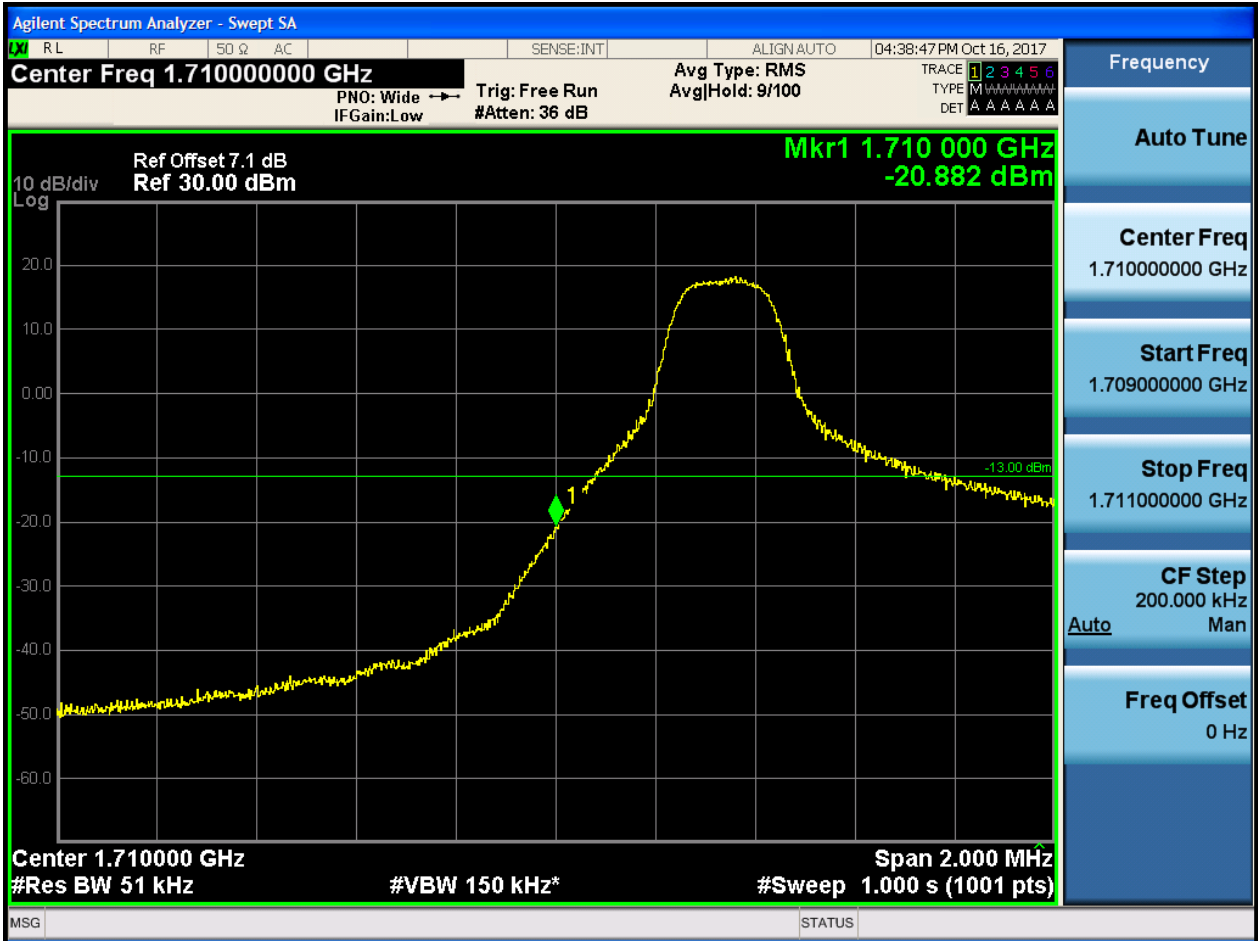




5.1.1.1.3 Test Bandwidth = 5

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



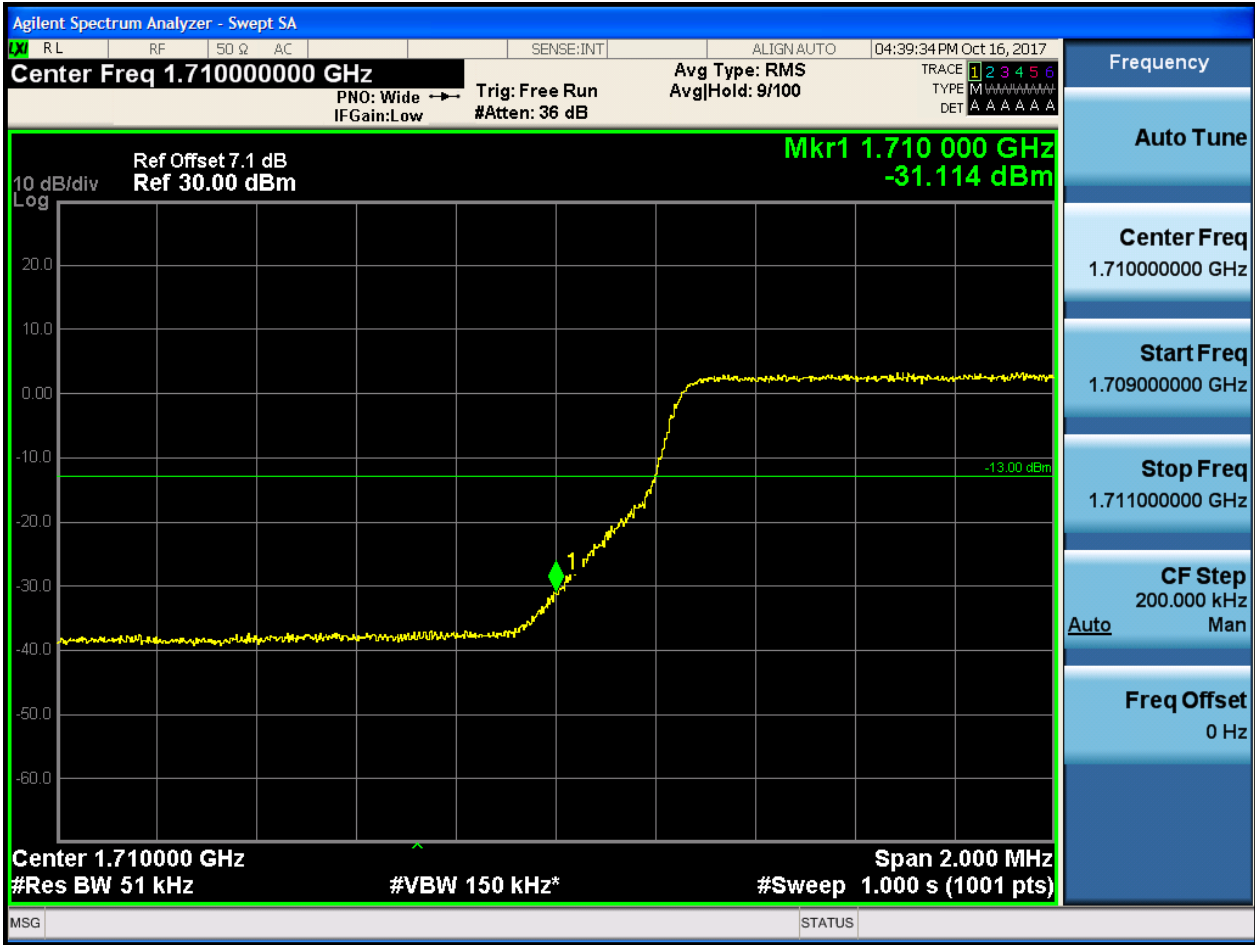


5.1.1.1.3.1.3 Test RB = RB12#6





5.1.1.1.3.1.4 Test RB = RB25#0





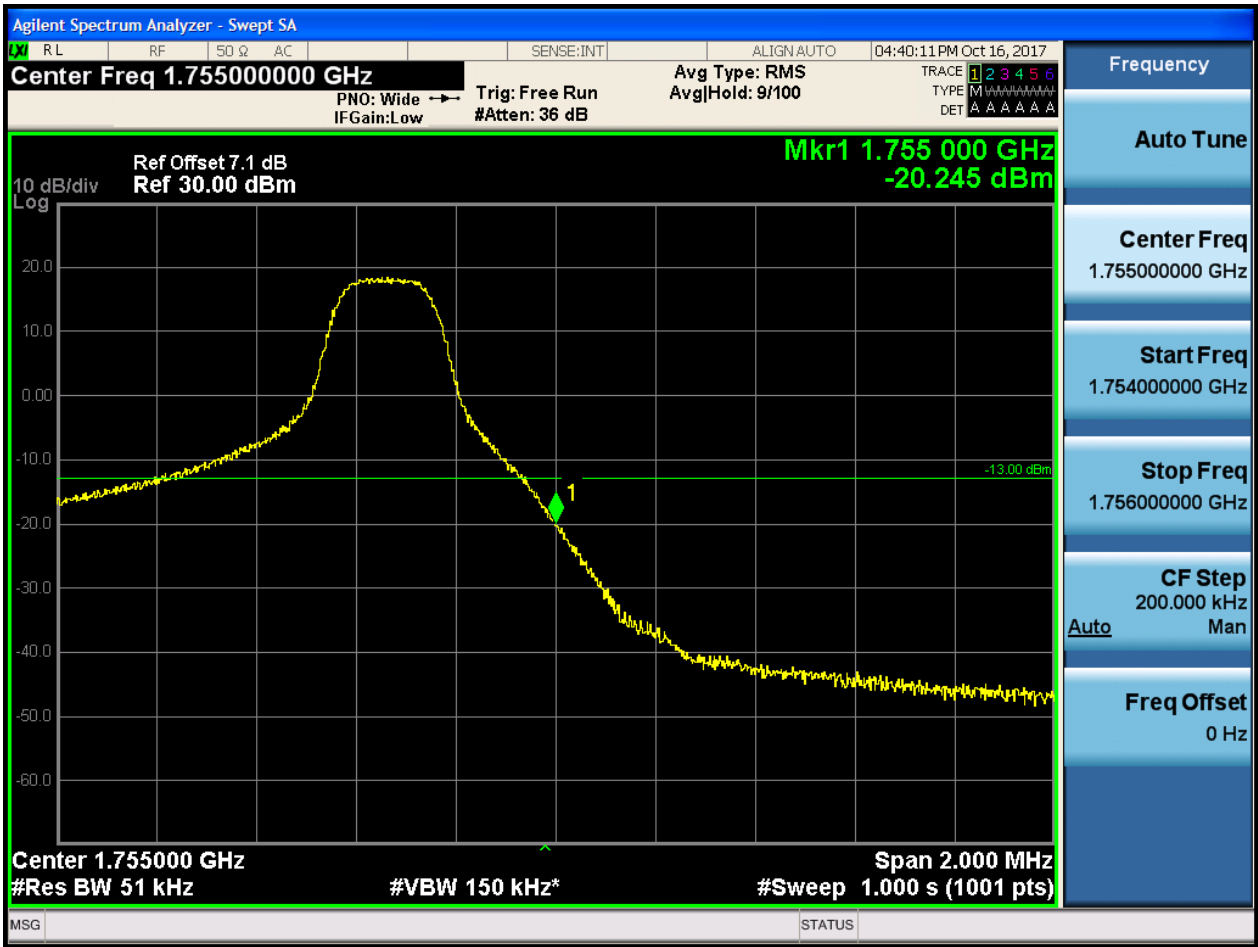
5.1.1.1.3.2 Test Channel = HCH

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

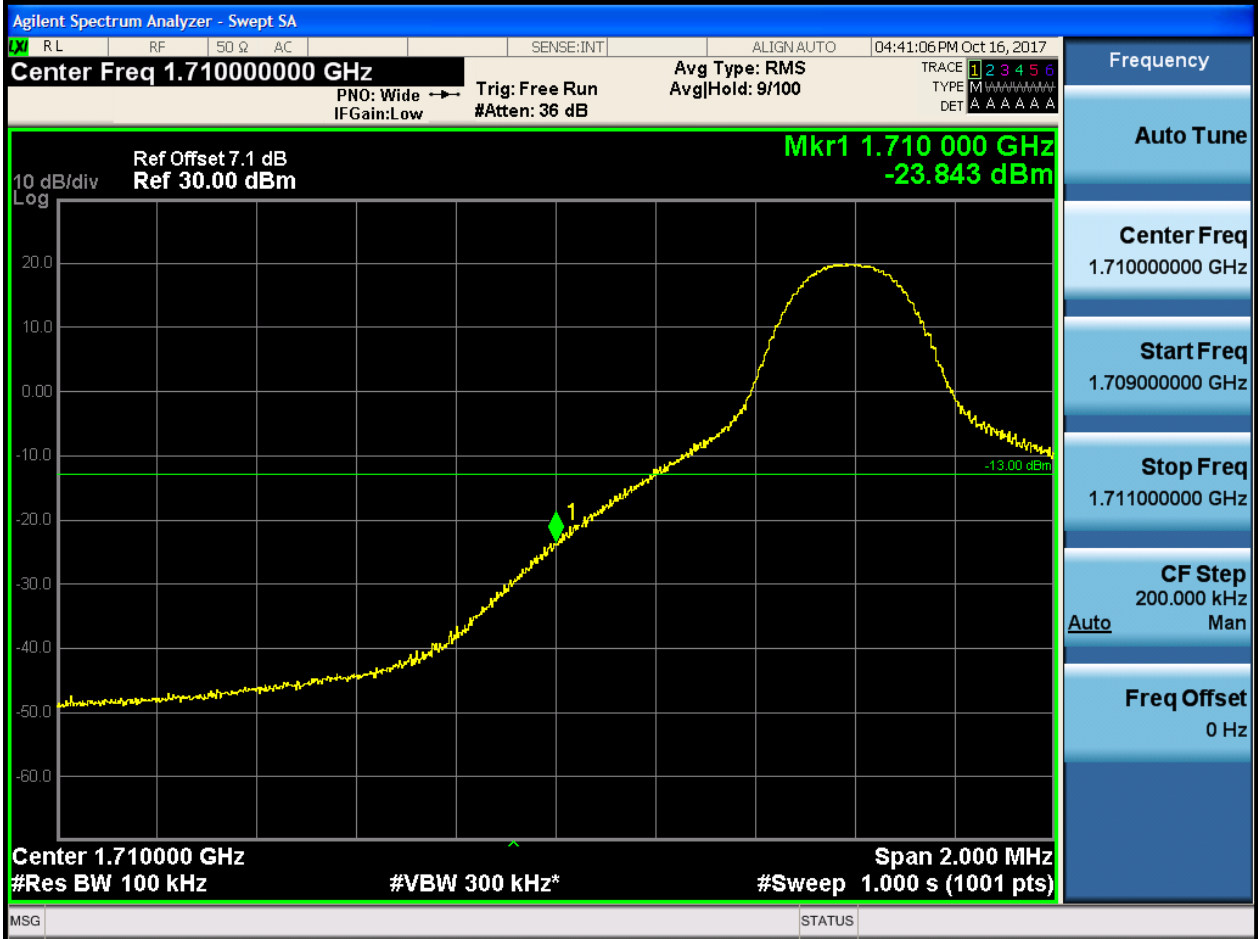




5.1.1.1.4 Test Bandwidth = 10

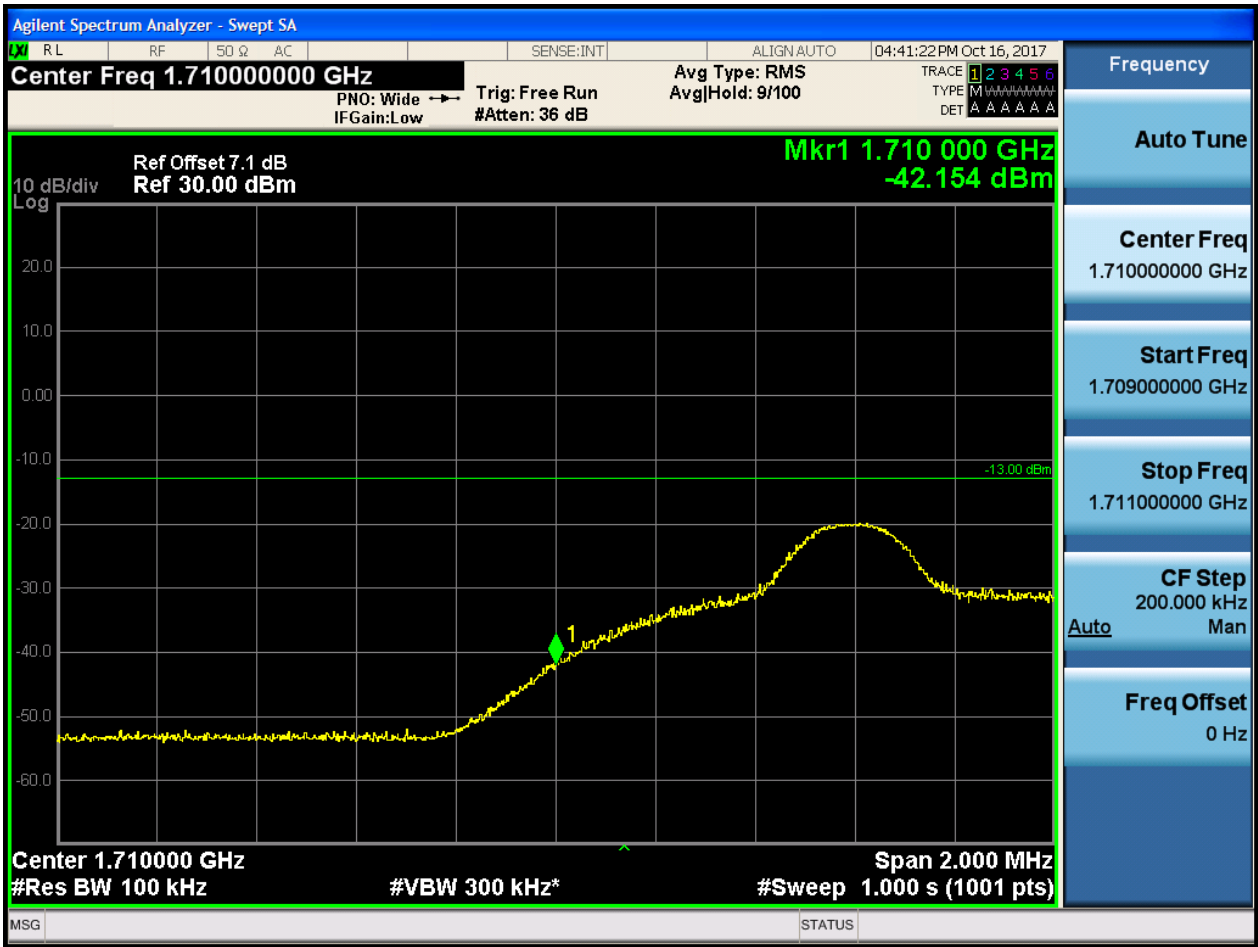
5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0



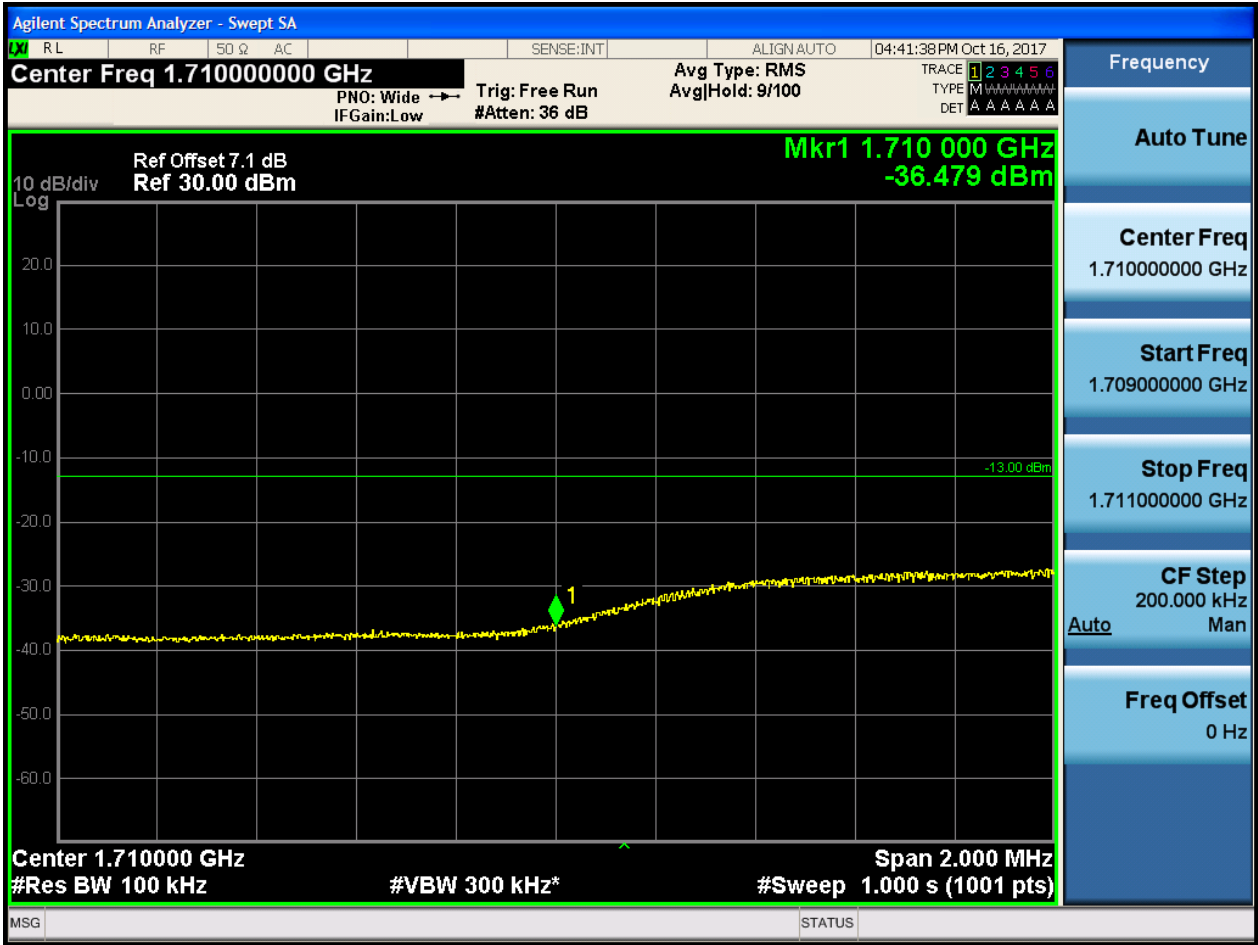


5.1.1.1.4.1.2 Test RB = RB1#49





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

