



# 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	22.99	23.51	30	PASS
				RB1#3	23.06	23.61	30	PASS
				RB1#5	22.78	23.05	30	PASS
				RB3#0	23.12	23.54	30	PASS
				RB3#2	23.08	23.46	30	PASS
				RB3#3	22.93	23.22	30	PASS
				RB6#0	22.17	22.57	30	PASS
			MCH	RB1#0	22.75	23.29	30	PASS
				RB1#3	22.87	23.27	30	PASS
				RB1#5	22.79	23.14	30	PASS
				RB3#0	22.81	23.23	30	PASS
				RB3#2	22.78	23.05	30	PASS
				RB3#3	22.76	23.27	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	22.24	22.78	30	PASS
			HCH	RB1#0	22.6	23.14	30	PASS
				RB1#3	22.63	22.96	30	PASS
				RB1#5	22.58	22.91	30	PASS
				RB3#0	22.61	22.93	30	PASS
				RB3#2	22.62	23.16	30	PASS
				RB3#3	22.59	22.90	30	PASS
				RB6#0	21.53	21.92	30	PASS
		3		LCH	RB1#0	22.93	23.44	30
			RB1#7		22.83	23.30	30	PASS
			RB1#14		22.71	23.13	30	PASS
			RB8#0		22.01	22.28	30	PASS
			RB8#4		21.79	22.24	30	PASS
			RB8#7		21.84	22.12	30	PASS
			RB15#0		21.81	22.12	30	PASS
			MCH	RB1#0	22.63	22.95	30	PASS
				RB1#7	23.12	23.63	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	22.76	23.24	30	PASS
				RB8#0	21.91	22.25	30	PASS
				RB8#4	21.93	22.31	30	PASS
				RB8#7	21.83	22.15	30	PASS
				RB15#0	21.86	22.39	30	PASS
			HCH	RB1#0	22.33	22.80	30	PASS
			HCH	RB1#7	22.6	22.88	30	PASS
			HCH	RB1#14	22.47	22.76	30	PASS
			HCH	RB8#0	21.42	21.67	30	PASS
			HCH	RB8#4	21.45	21.98	30	PASS
			HCH	RB8#7	21.33	21.84	30	PASS
			HCH	RB15#0	21.36	21.77	30	PASS
		5	LCH	RB1#0	22.94	23.21	30	PASS
		5	LCH	RB1#13	22.88	23.38	30	PASS
		5	LCH	RB1#24	22.7	23.05	30	PASS
		5	LCH	RB12#0	21.71	22.17	30	PASS
		5	LCH	RB12#6	21.75	22.09	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#13	21.79	22.19	30	PASS
				RB25#0	21.8	22.05	30	PASS
			MCH	RB1#0	23.34	23.76	30	PASS
				RB1#13	23.03	23.56	30	PASS
				RB1#24	22.81	23.29	30	PASS
				RB12#0	21.98	22.47	30	PASS
				RB12#6	21.96	22.50	30	PASS
				RB12#13	21.81	22.17	30	PASS
				RB25#0	21.88	22.38	30	PASS
				HCH	RB1#0	23.22	23.63	30
			RB1#13		22.44	22.82	30	PASS
			RB1#24		22.28	22.67	30	PASS
			RB12#0		21.82	22.25	30	PASS
			RB12#6		21.43	21.79	30	PASS
			RB12#13		21.43	21.89	30	PASS
			RB25#0		21.35	21.78	30	PASS
		10	LCH	RB1#0	22.88	23.35	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#25	22.81	23.33	30	PASS
				RB1#49	22.42	22.67	30	PASS
				RB25#0	21.88	22.22	30	PASS
				RB25#13	21.7	22.10	30	PASS
				RB25#25	21.48	21.90	30	PASS
				RB50#0	21.73	22.00	30	PASS
			MCH	RB1#0	23.28	23.73	30	PASS
				RB1#25	23.06	23.47	30	PASS
				RB1#49	22.92	23.35	30	PASS
				RB25#0	22.05	22.44	30	PASS
				RB25#13	21.84	22.38	30	PASS
				RB25#25	21.59	22.03	30	PASS
				RB50#0	21.76	22.01	30	PASS
			HCH	RB1#0	22.64	23.09	30	PASS
				RB1#25	23.21	23.70	30	PASS
				RB1#49	22.17	22.48	30	PASS
				RB25#0	21.75	22.16	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict	
				RB25#13	21.65	22.14	30	PASS	
				RB25#25	21.37	21.87	30	PASS	
				RB50#0	21.48	21.87	30	PASS	
		15	LCH	RB1#0	22.89	23.36	30	PASS	
				RB1#38	22.71	23.14	30	PASS	
				RB1#74	22.93	23.48	30	PASS	
				RB38#0	21.77	22.16	30	PASS	
				RB38#19	21.61	22.15	30	PASS	
				RB38#39	21.65	21.93	30	PASS	
				RB75#0	21.78	22.16	30	PASS	
				MCH	RB1#0	23.35	23.73	30	PASS
					RB1#38	23.06	23.46	30	PASS
					RB1#74	22.75	23.03	30	PASS
					RB38#0	22.08	22.54	30	PASS
					RB38#19	21.94	22.38	30	PASS
RB38#39	21.87	22.18	30		PASS				
RB75#0	21.91	22.26	30		PASS				



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict	
			HCH	RB1#0	23.22	23.76	30	PASS	
				RB1#38	23.02	23.42	30	PASS	
				RB1#74	22.26	22.61	30	PASS	
				RB38#0	22.15	22.41	30	PASS	
				RB38#19	21.96	22.38	30	PASS	
				RB38#39	21.41	21.82	30	PASS	
				RB75#0	21.61	22.00	30	PASS	
		20	LCH	RB1#0	22.61	22.96	30	PASS	
				RB1#50	22.93	23.31	30	PASS	
				RB1#99	23.44	23.72	30	PASS	
				RB50#0	21.87	22.34	30	PASS	
				RB50#25	21.72	21.97	30	PASS	
				RB50#50	21.96	22.37	30	PASS	
				RB100#0	21.87	22.22	30	PASS	
				MCH	RB1#0	23	23.28	30	PASS
					RB1#50	23.09	23.57	30	PASS
					RB1#99	23.19	23.44	30	PASS





Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	22.03	22.51	30	PASS
				RB50#25	21.88	22.14	30	PASS
				RB50#50	21.96	22.25	30	PASS
				RB100#0	21.99	22.45	30	PASS
			HCH	RB1#0	22.54	22.88	30	PASS
				RB1#50	22.9	23.38	30	PASS
				RB1#99	22.66	23.16	30	PASS
				RB50#0	22.27	22.55	30	PASS
			RB50#25	21.93	22.26	30	PASS	
			RB50#50	21.69	22.02	30	PASS	
			RB100#0	21.98	22.29	30	PASS	
			LTE/TM2	1.4	LCH	RB1#0	22.22	22.76
	RB1#3	22.25				22.76	30	PASS
	RB1#5	21.93				22.23	30	PASS
	RB3#0	22.18				22.61	30	PASS
	RB3#2	22.01				22.53	30	PASS
	RB3#3	22.11				22.49	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB6#0	21.01	21.36	30	PASS
			MCH	RB1#0	22.24	22.58	30	PASS
				RB1#3	22.06	22.57	30	PASS
				RB1#5	22.17	22.70	30	PASS
				RB3#0	22.08	22.44	30	PASS
				RB3#2	21.94	22.21	30	PASS
				RB3#3	22.14	22.41	30	PASS
				RB6#0	20.91	21.38	30	PASS
				HCH	RB1#0	21.92	22.23	30
			RB1#3		21.66	22.17	30	PASS
			RB1#5		21.6	22.03	30	PASS
			RB3#0		21.4	21.82	30	PASS
			RB3#2		21.59	22.04	30	PASS
			RB3#3		21.57	21.98	30	PASS
			RB6#0		20.67	21.08	30	PASS
		3	LCH		RB1#0	21.78	22.28	30
				RB1#7	21.85	22.21	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#14	21.51	21.93	30	PASS
				RB8#0	20.98	21.41	30	PASS
				RB8#4	20.9	21.21	30	PASS
				RB8#7	20.89	21.42	30	PASS
				RB15#0	20.82	21.33	30	PASS
			MCH	RB1#0	21.83	22.30	30	PASS
				RB1#7	22.14	22.53	30	PASS
				RB1#14	21.8	22.30	30	PASS
				RB8#0	20.93	21.36	30	PASS
				RB8#4	20.97	21.47	30	PASS
				RB8#7	20.87	21.42	30	PASS
				RB15#0	20.83	21.11	30	PASS
			HCH	RB1#0	21.35	21.69	30	PASS
				RB1#7	21.73	22.15	30	PASS
				RB1#14	21.47	21.76	30	PASS
				RB8#0	20.62	21.08	30	PASS
				RB8#4	20.62	20.90	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict	
				RB8#7	20.51	21.06	30	PASS	
				RB15#0	20.43	20.83	30	PASS	
		5	LCH	RB1#0	22.06	22.51	30	PASS	
				RB1#13	21.7	21.98	30	PASS	
				RB1#24	21.51	21.98	30	PASS	
				RB12#0	20.85	21.15	30	PASS	
				RB12#6	20.82	21.09	30	PASS	
				RB12#13	20.91	21.44	30	PASS	
				RB25#0	20.91	21.30	30	PASS	
				MCH	RB1#0	22.24	22.73	30	PASS
					RB1#13	22.01	22.28	30	PASS
					RB1#24	21.98	22.23	30	PASS
					RB12#0	20.92	21.28	30	PASS
					RB12#6	20.92	21.24	30	PASS
					RB12#13	20.77	21.10	30	PASS
					RB25#0	20.82	21.20	30	PASS
HCH	RB1#0	22.31	22.63	30	PASS				



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict	
				RB1#13	21.64	22.07	30	PASS	
				RB1#24	21.62	22.04	30	PASS	
				RB12#0	20.79	21.12	30	PASS	
				RB12#6	20.51	20.97	30	PASS	
				RB12#13	20.53	20.82	30	PASS	
				RB25#0	20.38	20.77	30	PASS	
		10	LCH	RB1#0	22.21	22.51	30	PASS	
				RB1#25	21.89	22.27	30	PASS	
				RB1#49	21.47	21.86	30	PASS	
				RB25#0	20.91	21.43	30	PASS	
				RB25#13	20.72	21.27	30	PASS	
				RB25#25	20.46	20.99	30	PASS	
				RB50#0	20.75	21.28	30	PASS	
				MCH	RB1#0	22.09	22.52	30	PASS
					RB1#25	22.1	22.53	30	PASS
					RB1#49	21.68	21.94	30	PASS
					RB25#0	20.91	21.24	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB25#13	20.76	21.26	30	PASS
				RB25#25	20.53	21.06	30	PASS
				RB50#0	20.69	21.18	30	PASS
				RB1#0	21.77	22.28	30	PASS
				RB1#25	22.09	22.58	30	PASS
				RB1#49	21.26	21.73	30	PASS
				RB25#0	20.71	21.06	30	PASS
				RB25#13	20.6	21.01	30	PASS
				RB25#25	20.4	20.87	30	PASS
			RB50#0	20.49	20.76	30	PASS	
			LCH	RB1#0	22.06	22.32	30	PASS
				RB1#38	21.69	22.01	30	PASS
				RB1#74	22.21	22.64	30	PASS
				RB38#0	20.87	21.32	30	PASS
				RB38#19	20.63	21.09	30	PASS
RB38#39	20.68	21.17		30	PASS			
RB75#0	20.86	21.21		30	PASS			



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	22.43	22.79	30	PASS
				RB1#38	22.16	22.71	30	PASS
				RB1#74	21.84	22.19	30	PASS
				RB38#0	21.12	21.64	30	PASS
				RB38#19	20.88	21.14	30	PASS
				RB38#39	20.82	21.10	30	PASS
				RB75#0	20.75	21.19	30	PASS
			HCH	RB1#0	22.35	22.70	30	PASS
				RB1#38	22.28	22.59	30	PASS
				RB1#74	21.51	21.99	30	PASS
				RB38#0	21	21.30	30	PASS
				RB38#19	20.82	21.33	30	PASS
				RB38#39	20.46	20.97	30	PASS
				RB75#0	20.66	21.16	30	PASS
		20	LCH	RB1#0	21.93	22.27	30	PASS
				RB1#50	22.18	22.59	30	PASS
				RB1#99	22.55	22.98	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	20.96	21.21	30	PASS
				RB50#25	20.74	21.11	30	PASS
				RB50#50	20.91	21.38	30	PASS
				RB100#0	20.85	21.34	30	PASS
			MCH	RB1#0	22.29	22.75	30	PASS
				RB1#50	22.41	22.76	30	PASS
				RB1#99	22.52	22.87	30	PASS
				RB50#0	21.05	21.44	30	PASS
				RB50#25	20.84	21.14	30	PASS
				RB50#50	20.99	21.47	30	PASS
				RB100#0	21.01	21.49	30	PASS
			HCH	RB1#0	21.84	22.37	30	PASS
				RB1#50	21.89	22.41	30	PASS
				RB1#99	21.85	22.15	30	PASS
				RB50#0	21.22	21.49	30	PASS
				RB50#25	20.88	21.16	30	PASS
				RB50#50	20.63	21.06	30	PASS





Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB100#0	20.8	21.26	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:

SET Span=1.5\*OBW

SET RBW=1%of the OBW,not to wxceed 1MHz

SET VBW>= 3\*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	4.56	13	PASS
				RB1#3	4.56	13	PASS
				RB1#5	4.92	13	PASS
				RB3#0	4.95	13	PASS
				RB3#2	5.27	13	PASS
				RB3#3	5.42	13	PASS
			RB6#0	6.06	13	PASS	
			MCH	RB1#0	4.84	13	PASS
				RB1#3	4.93	13	PASS
				RB1#5	5.12	13	PASS
				RB3#0	5.83	13	PASS
				RB3#2	5.69	13	PASS
				RB3#3	5.65	13	PASS
			HCH	RB6#0	6.29	13	PASS
				RB1#0	4.85	13	PASS
				RB1#3	4.88	13	PASS
				RB1#5	5.34	13	PASS
				RB3#0	5.79	13	PASS
		RB3#2		6	13	PASS	
		3	LCH	RB3#3	6.03	13	PASS
				RB6#0	6.01	13	PASS
				RB1#0	5	13	PASS
				RB1#7	5.31	13	PASS
				RB1#14	5.49	13	PASS
				RB8#0	5.93	13	PASS
			MCH	RB8#4	5.84	13	PASS
				RB8#7	6.02	13	PASS
				RB15#0	5.92	13	PASS
RB1#0	5.29			13	PASS		
RB1#7	4.8	13	PASS				



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		5		RB1#14	4.87	13	PASS
				RB8#0	6.06	13	PASS
				RB8#4	5.92	13	PASS
				RB8#7	5.91	13	PASS
				RB15#0	6.09	13	PASS
			HCH	RB1#0	5.04	13	PASS
				RB1#7	4.95	13	PASS
				RB1#14	5.1	13	PASS
				RB8#0	6.12	13	PASS
				RB8#4	6.24	13	PASS
				RB8#7	6.3	13	PASS
			LCH	RB15#0	6.02	13	PASS
				RB1#0	4.65	13	PASS
				RB1#13	4.83	13	PASS
		RB1#24		5.05	13	PASS	
		RB12#0		5.87	13	PASS	
		RB12#6		5.98	13	PASS	
		RB12#13		5.99	13	PASS	
		MCH	RB25#0	6.35	13	PASS	
			RB1#0	5.03	13	PASS	
			RB1#13	5.1	13	PASS	
			RB1#24	5.12	13	PASS	
			RB12#0	5.91	13	PASS	
			RB12#6	5.86	13	PASS	
			RB12#13	6.01	13	PASS	
		HCH	RB25#0	6.15	13	PASS	
			RB1#0	5.28	13	PASS	
			RB1#13	5.19	13	PASS	
			RB1#24	5.3	13	PASS	
			RB12#0	6.32	13	PASS	
			RB12#6	6.28	13	PASS	
			RB12#13	6.32	13	PASS	
10	RB25#0	6.28	13	PASS			
	LCH	RB1#0	4.79	13	PASS		
		RB1#25	4.98	13	PASS		
		RB1#49	5.02	13	PASS		
		RB25#0	6.29	13	PASS		
RB25#13		6.23	13	PASS			



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
				RB25#25	6.23	13	PASS	
				RB50#0	6.36	13	PASS	
			MCH	RB1#0	4.69	13	PASS	
				RB1#25	4.82	13	PASS	
				RB1#49	4.87	13	PASS	
				RB25#0	6.38	13	PASS	
				RB25#13	6.4	13	PASS	
				RB25#25	6.54	13	PASS	
			HCH	RB50#0	6.28	13	PASS	
				RB1#0	5.05	13	PASS	
				RB1#25	5	13	PASS	
				RB1#49	5.43	13	PASS	
				RB25#0	6.39	13	PASS	
				RB25#13	6.46	13	PASS	
			15	LCH	RB25#25	6.57	13	PASS
					RB50#0	6.48	13	PASS
		RB1#0			4.84	13	PASS	
		RB1#38			4.95	13	PASS	
		RB1#74			4.98	13	PASS	
		RB38#0			6.41	13	PASS	
		RB38#19			6.44	13	PASS	
		MCH		RB38#39	6.37	13	PASS	
				RB75#0	6.77	13	PASS	
				RB1#0	5.32	13	PASS	
				RB1#38	5.46	13	PASS	
				RB1#74	5.52	13	PASS	
				RB38#0	6.37	13	PASS	
				RB38#19	6.32	13	PASS	
		HCH		RB38#39	6.53	13	PASS	
				RB75#0	6.69	13	PASS	
			RB1#0	5.07	13	PASS		
			RB1#38	5.01	13	PASS		
RB1#74	5.33		13	PASS				
RB38#0	6.27		13	PASS				
RB38#19	6.54		13	PASS				
20	LCH	RB38#39	6.46	13	PASS			
		RB75#0	6.75	13	PASS			
			LCH	RB1#0	5.35	13	PASS	



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
				RB1#50	5.17	13	PASS	
				RB1#99	5.18	13	PASS	
				RB50#0	6.27	13	PASS	
				RB50#25	6.4	13	PASS	
				RB50#50	6.41	13	PASS	
				RB100#0	6.52	13	PASS	
			MCH	RB1#0	5.36	13	PASS	
				RB1#50	5.64	13	PASS	
				RB1#99	5.23	13	PASS	
				RB50#0	6.23	13	PASS	
				RB50#25	6.29	13	PASS	
				RB50#50	6.24	13	PASS	
			HCH	RB100#0	6.49	13	PASS	
				RB1#0	5.43	13	PASS	
				RB1#50	5.57	13	PASS	
				RB1#99	5.44	13	PASS	
				RB50#0	6.32	13	PASS	
				RB50#25	6.42	13	PASS	
	LCH	LCH	1.4	RB50#50	6.64	13	PASS	
				RB100#0	6.54	13	PASS	
				RB1#0	5.37	13	PASS	
				RB1#3	5.53	13	PASS	
				RB1#5	5.72	13	PASS	
				RB3#0	5.52	13	PASS	
				RB3#2	5.62	13	PASS	
				RB3#3	6.01	13	PASS	
				RB6#0	6.84	13	PASS	
				MCH	RB1#0	6.04	13	PASS
					RB1#3	6	13	PASS
					RB1#5	6.07	13	PASS
RB3#0	6.51	13	PASS					
RB3#2	6.61	13	PASS					
RB3#3	6.55	13	PASS					
HCH	RB6#0	6.85	13	PASS				
	RB1#0	5.8	13	PASS				
	RB1#3	5.89	13	PASS				
	RB1#5	5.85	13	PASS				
				RB3#0	6.76	13	PASS	



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		3		RB3#2	6.46	13	PASS
				RB3#3	6.36	13	PASS
				RB6#0	6.88	13	PASS
			LCH	RB1#0	5.45	13	PASS
				RB1#7	6	13	PASS
				RB1#14	6.21	13	PASS
				RB8#0	6.6	13	PASS
				RB8#4	6.95	13	PASS
				RB8#7	6.9	13	PASS
		RB15#0		6.86	13	PASS	
		MCH	RB1#0	5.95	13	PASS	
			RB1#7	6.17	13	PASS	
			RB1#14	6.02	13	PASS	
			RB8#0	6.98	13	PASS	
			RB8#4	6.95	13	PASS	
			RB8#7	6.98	13	PASS	
		HCH	RB15#0	6.93	13	PASS	
			RB1#0	6.13	13	PASS	
			RB1#7	6.12	13	PASS	
			RB1#14	6.19	13	PASS	
			RB8#0	6.72	13	PASS	
			RB8#4	6.72	13	PASS	
		5	LCH	RB8#7	6.73	13	PASS
				RB15#0	6.76	13	PASS
				RB1#0	5.29	13	PASS
				RB1#13	5.75	13	PASS
				RB1#24	6.22	13	PASS
				RB12#0	6.89	13	PASS
			MCH	RB12#6	6.84	13	PASS
				RB12#13	6.74	13	PASS
RB25#0	7.19			13	PASS		
RB1#0	5.82			13	PASS		
RB1#13	5.74			13	PASS		
RB1#24	6.25			13	PASS		
RB12#0	6.97			13	PASS		
RB12#6	6.86	13	PASS				
RB12#13	7.06	13	PASS				
RB25#0	7.09	13	PASS				



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		10	HCH	RB1#0	6.13	13	PASS
				RB1#13	5.96	13	PASS
				RB1#24	6.08	13	PASS
				RB12#0	7.34	13	PASS
				RB12#6	7.4	13	PASS
				RB12#13	7.44	13	PASS
				RB25#0	7.47	13	PASS
			LCH	RB1#0	5.42	13	PASS
				RB1#25	6.11	13	PASS
				RB1#49	6.25	13	PASS
				RB25#0	7.04	13	PASS
				RB25#13	6.98	13	PASS
				RB25#25	7.13	13	PASS
				RB50#0	7.18	13	PASS
		MCH	RB1#0	6.21	13	PASS	
			RB1#25	6.26	13	PASS	
			RB1#49	6.39	13	PASS	
			RB25#0	7.14	13	PASS	
			RB25#13	7.11	13	PASS	
			RB25#25	7.26	13	PASS	
			RB50#0	7.07	13	PASS	
		HCH	RB1#0	5.84	13	PASS	
			RB1#25	5.84	13	PASS	
			RB1#49	6.14	13	PASS	
			RB25#0	7.04	13	PASS	
			RB25#13	7.05	13	PASS	
			RB25#25	7.22	13	PASS	
			RB50#0	7.58	13	PASS	
		15	LCH	RB1#0	5.48	13	PASS
				RB1#38	6.03	13	PASS
RB1#74	6.15			13	PASS		
RB38#0	7.37			13	PASS		
RB38#19	7.35			13	PASS		
RB38#39	7.28			13	PASS		
RB75#0	7.28			13	PASS		
MCH	RB1#0		5.7	13	PASS		
	RB1#38		5.77	13	PASS		
	RB1#74		5.81	13	PASS		

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
				RB38#0	7.08	13	PASS	
				RB38#19	7.34	13	PASS	
				RB38#39	7.24	13	PASS	
				RB75#0	7.33	13	PASS	
			HCH	RB1#0	6.07	13	PASS	
				RB1#38	6.14	13	PASS	
				RB1#74	6.37	13	PASS	
				RB38#0	7.36	13	PASS	
				RB38#19	7.33	13	PASS	
				RB38#39	7.56	13	PASS	
				RB75#0	7.66	13	PASS	
				LCH	RB1#0	5.8	13	PASS
					RB1#50	5.68	13	PASS
					RB1#99	5.72	13	PASS
					RB50#0	7	13	PASS
		RB50#25			6.98	13	PASS	
		RB50#50			6.62	13	PASS	
		RB100#0	7.39		13	PASS		
		MCH	RB1#0	5.85	13	PASS		
			RB1#50	5.87	13	PASS		
			RB1#99	5.79	13	PASS		
			RB50#0	7.16	13	PASS		
			RB50#25	7.21	13	PASS		
			RB50#50	7.15	13	PASS		
			RB100#0	7.29	13	PASS		
		HCH	RB1#0	5.74	13	PASS		
			RB1#50	5.96	13	PASS		
			RB1#99	5.84	13	PASS		
			RB50#0	7.07	13	PASS		
			RB50#25	7.19	13	PASS		
RB50#50	7.36		13	PASS				
RB100#0	7.3		13	PASS				



## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

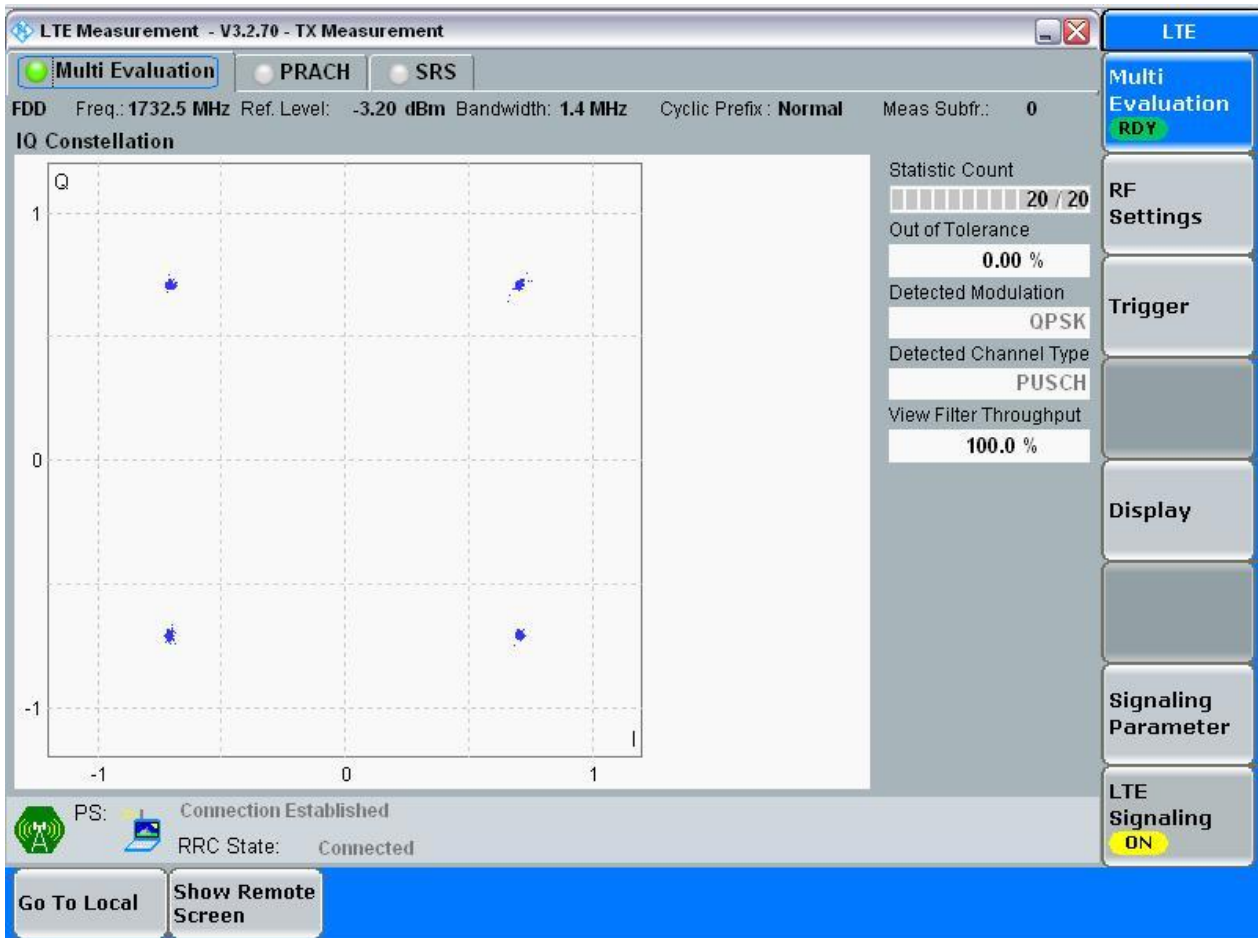
##### 3.1.1 Test Band = BAND4

##### 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

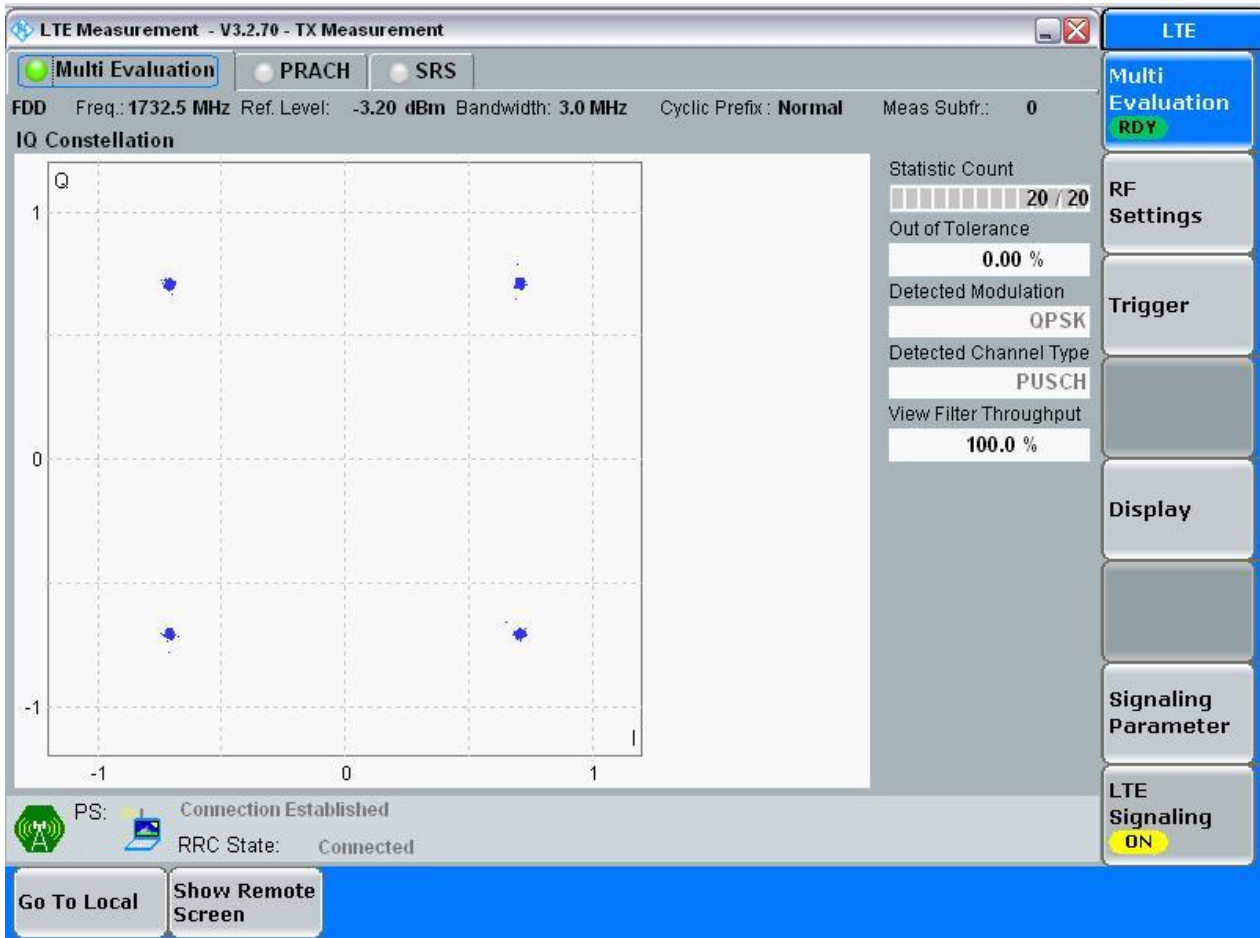
##### 3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

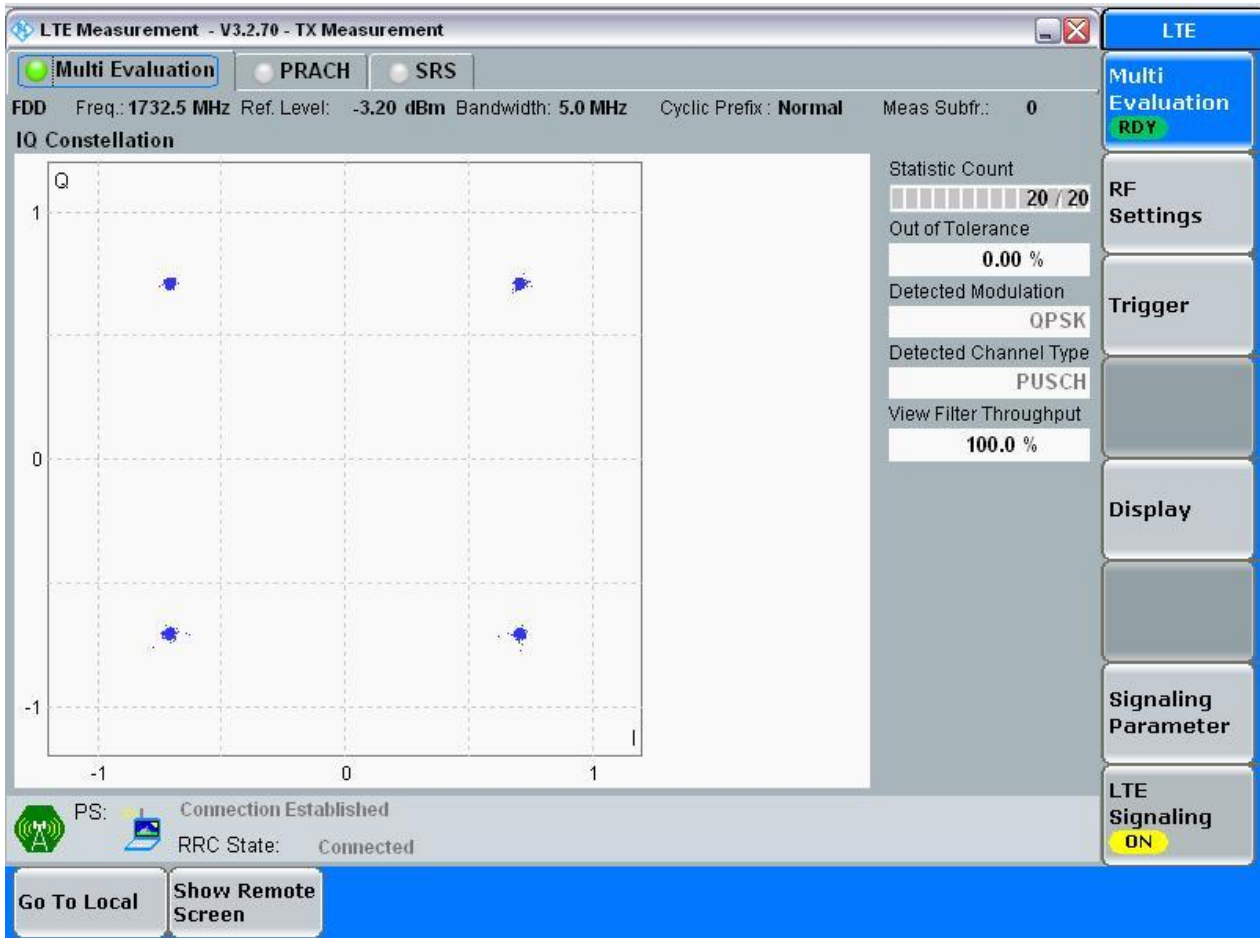
3.1.1.1.2.1.1 Test RB = RB15#0



### 3.1.1.1.3 Test Bandwidth = 5

#### 3.1.1.1.3.1 Test Channel = MCH

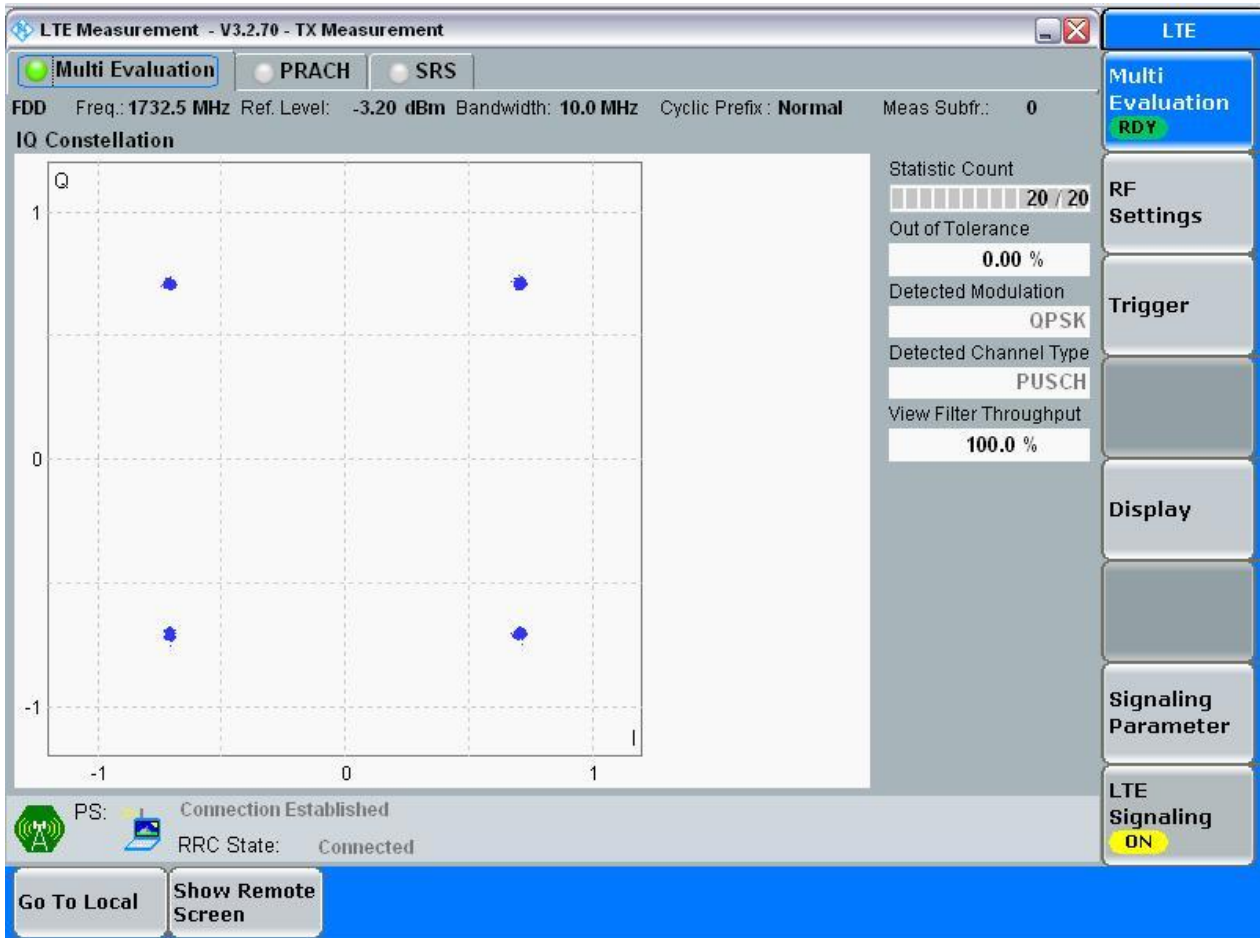
##### 3.1.1.1.3.1.1 Test RB = RB25#0



### 3.1.1.1.4 Test Bandwidth = 10

#### 3.1.1.1.4.1 Test Channel = MCH

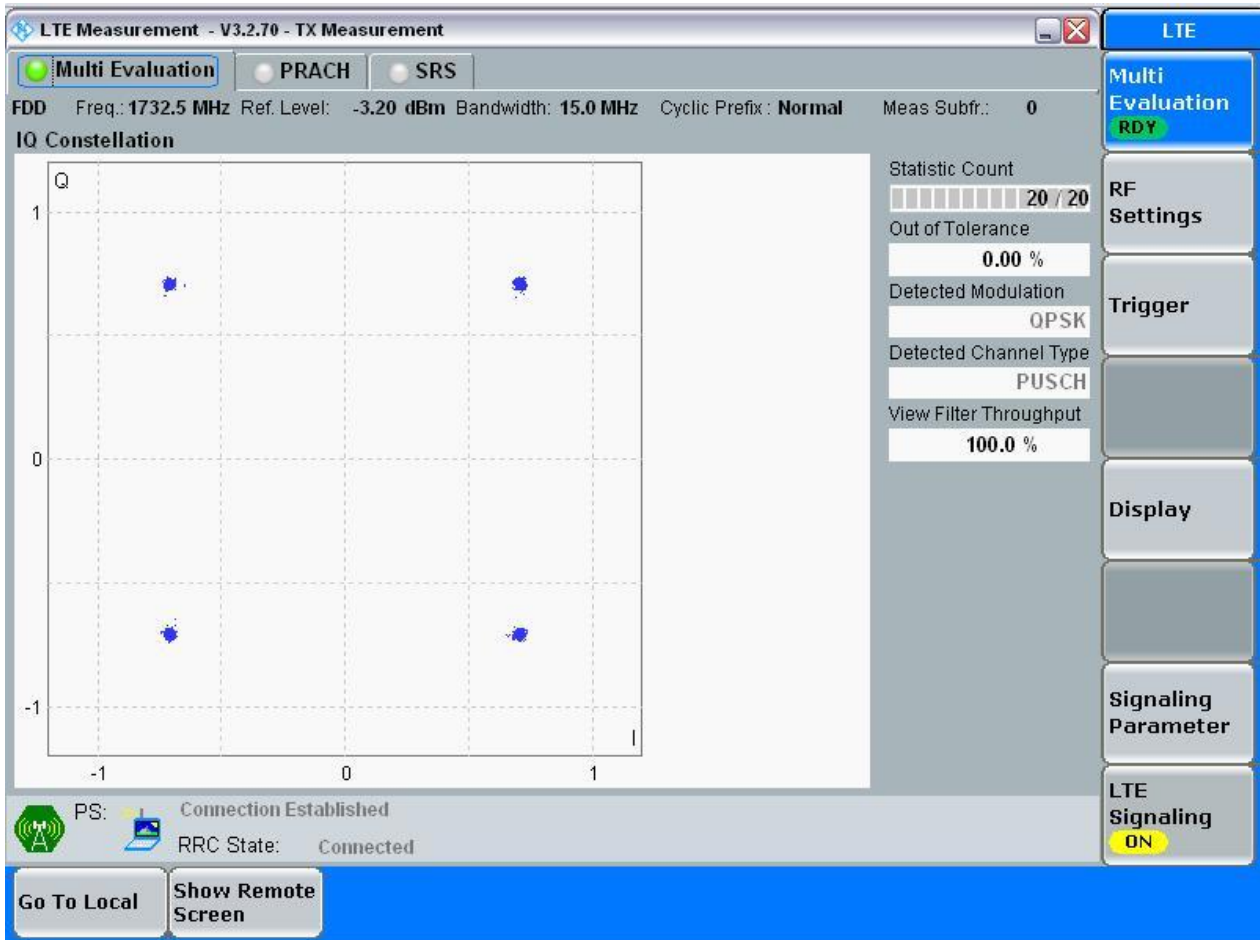
##### 3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

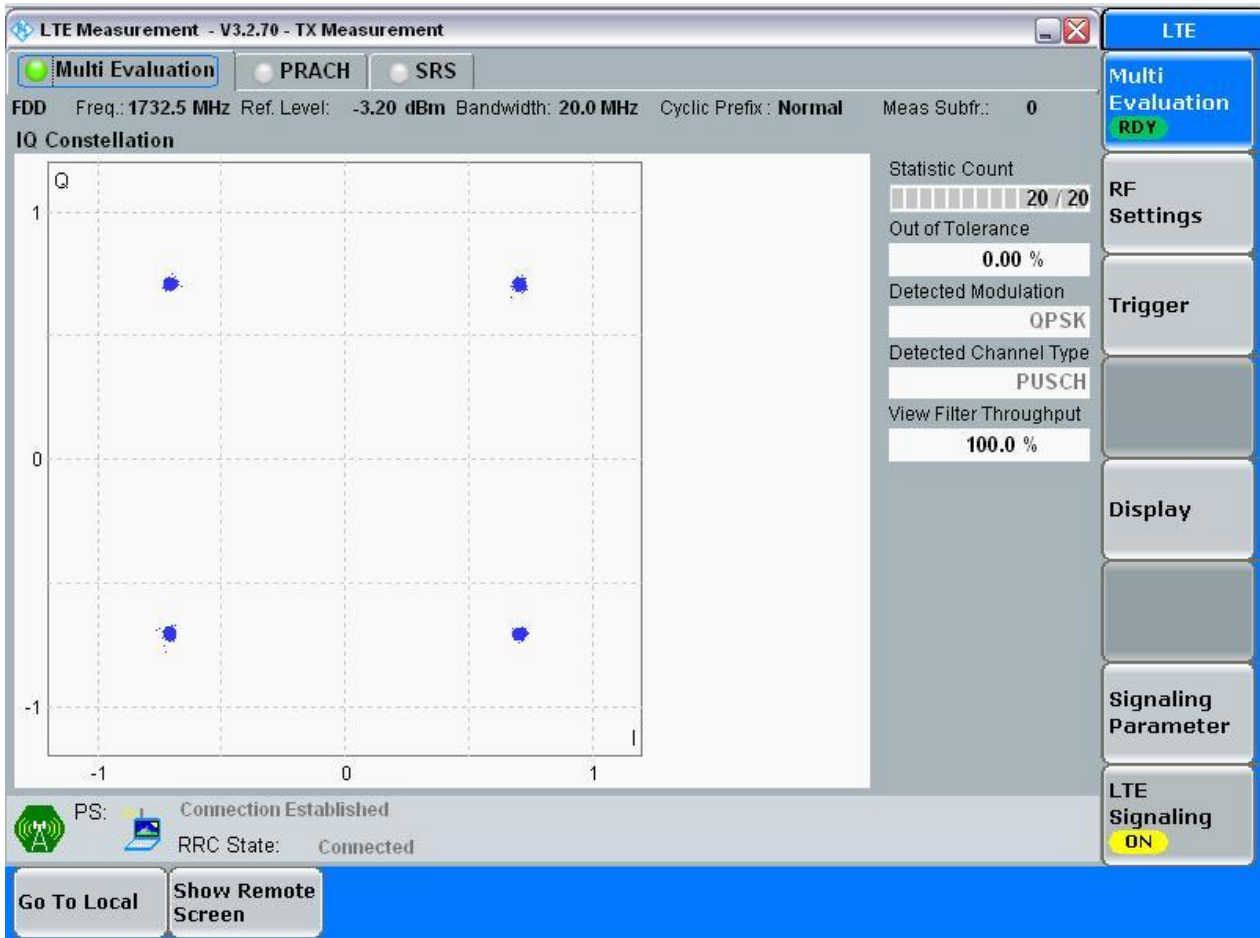
3.1.1.1.5.1.1 Test RB = RB75#0



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

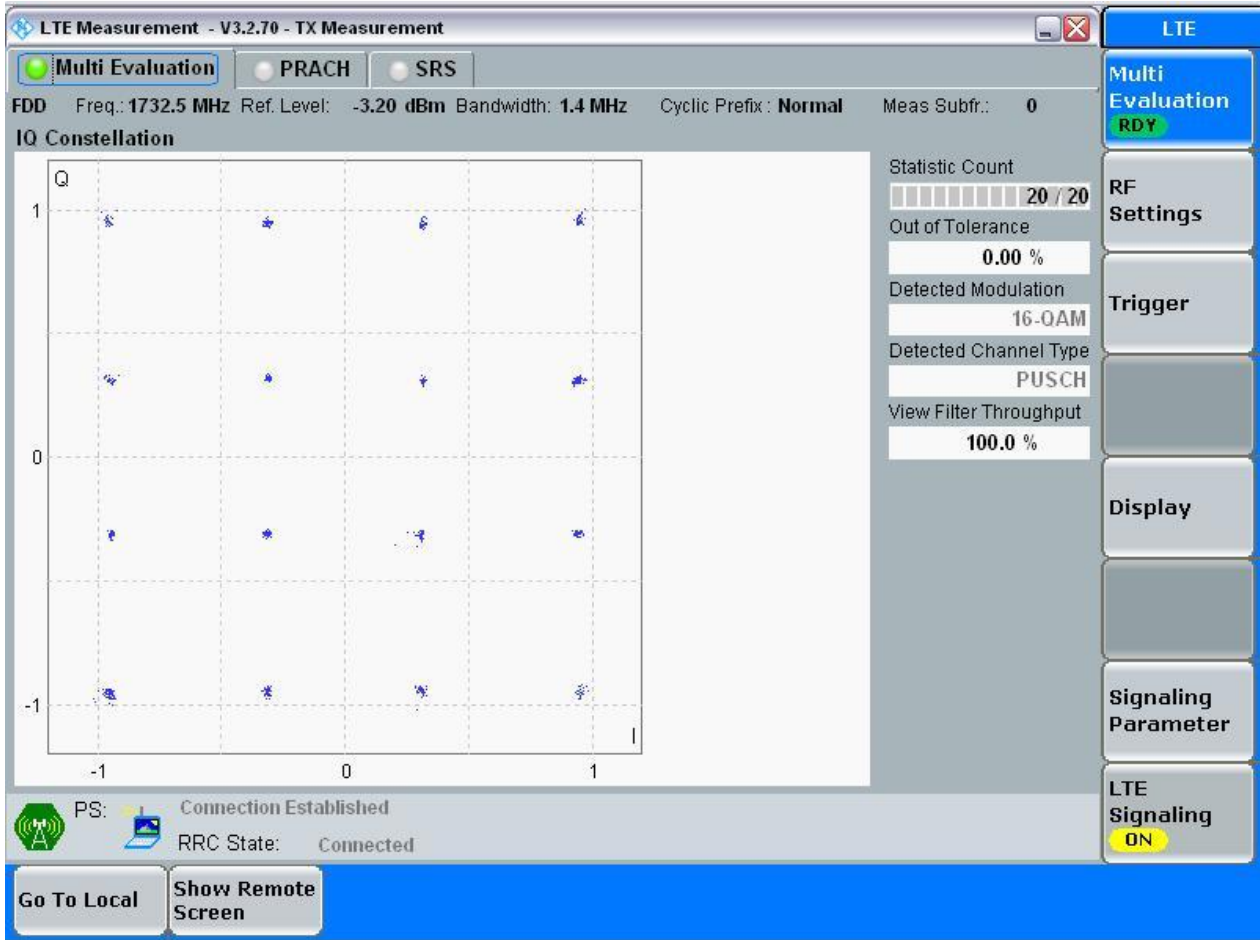


3.1.1.2 Test Mode = LTE/TM2

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

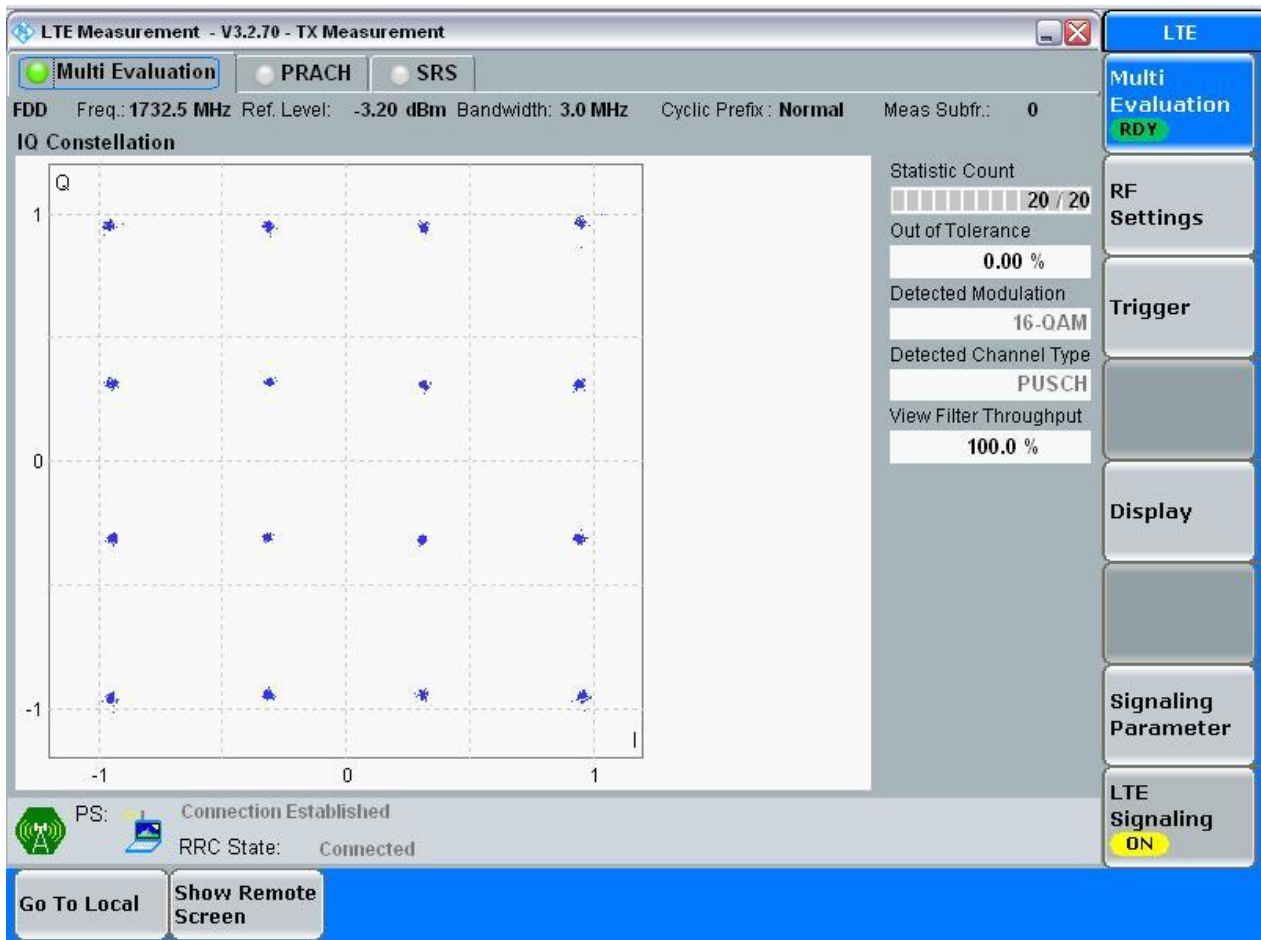




### 3.1.1.2.2 Test Bandwidth = 3

#### 3.1.1.2.2.1 Test Channel = MCH

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

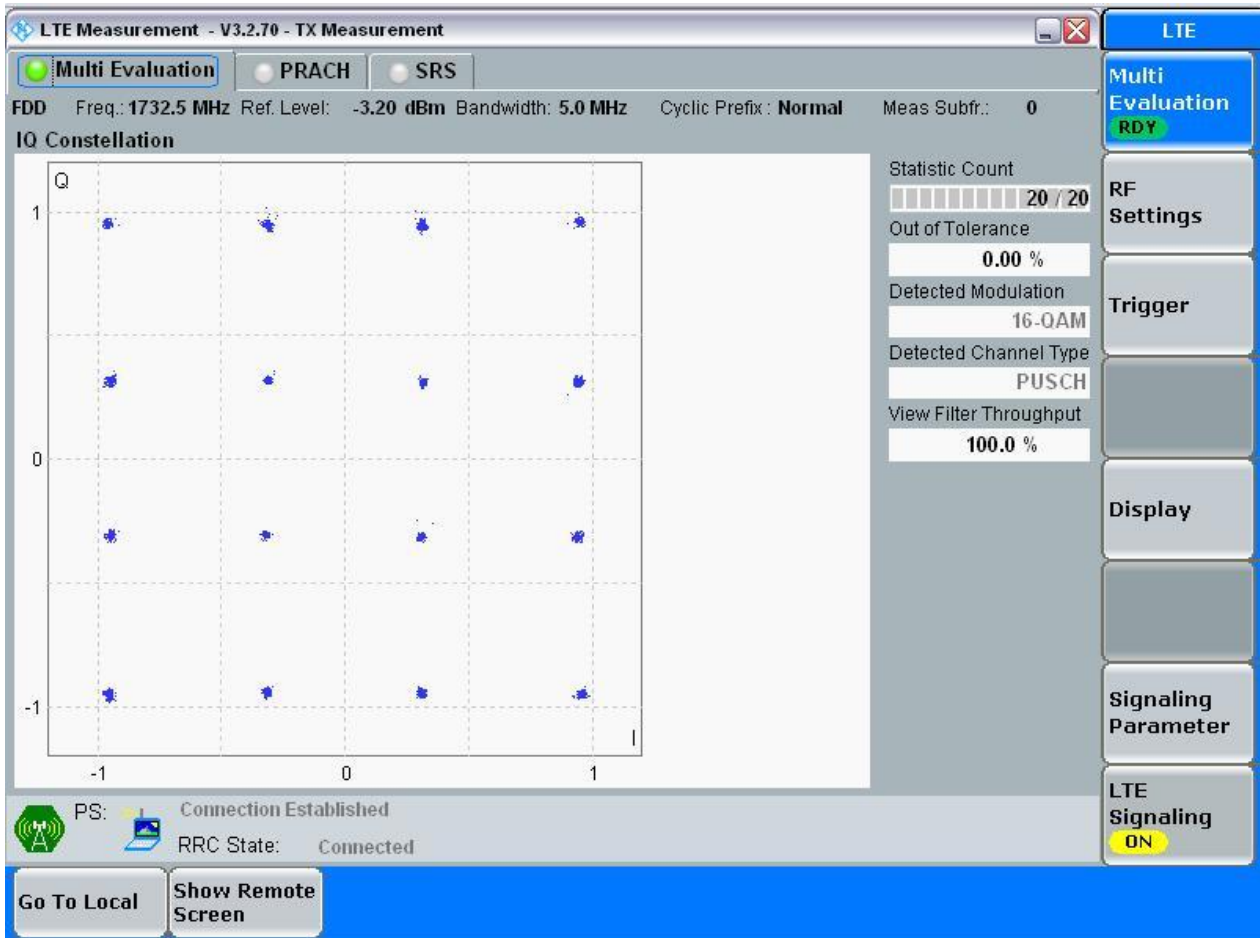




### 3.1.1.2.3 Test Bandwidth = 5

#### 3.1.1.2.3.1 Test Channel = MCH

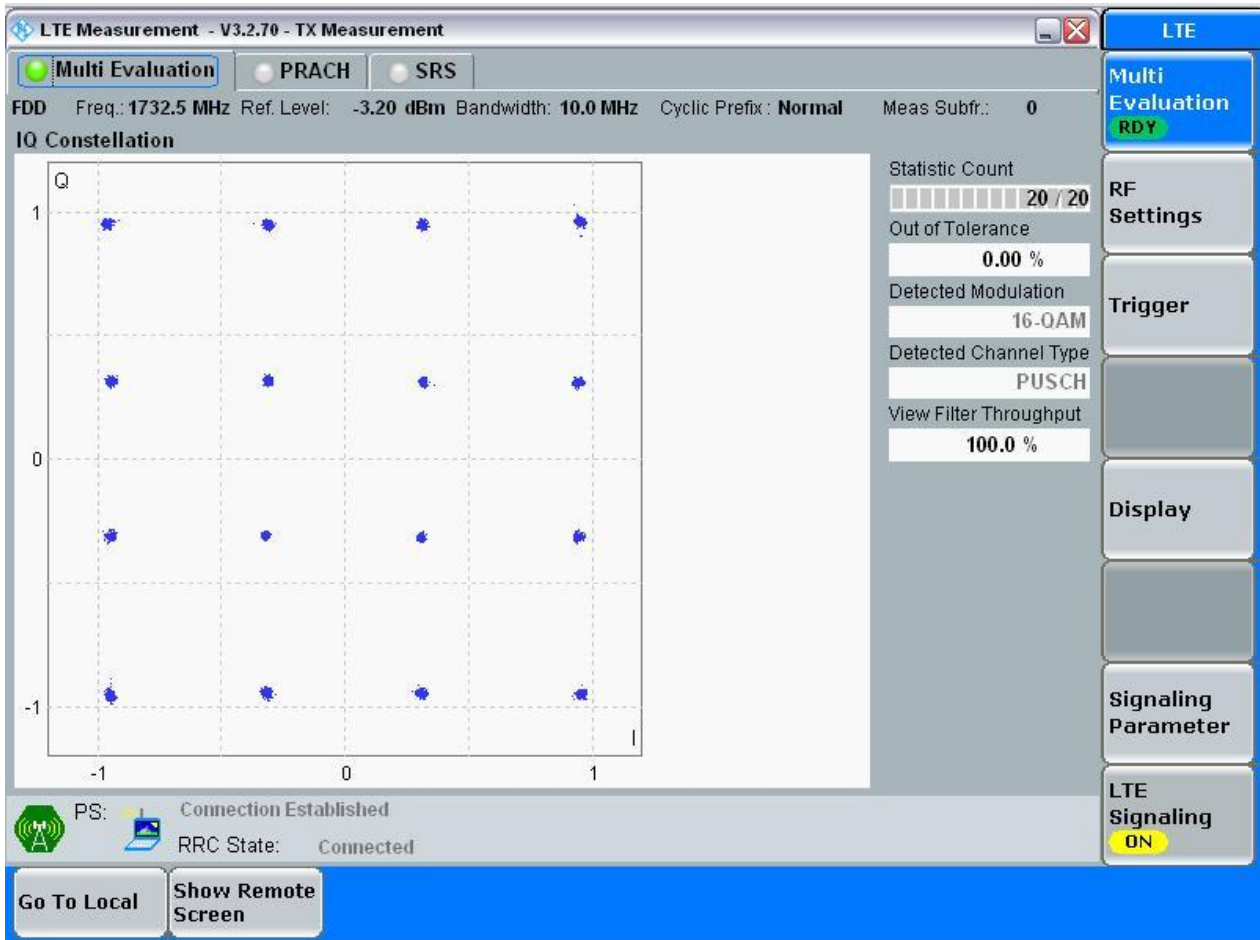
##### 3.1.1.2.3.1.1 Test RB = RB25#0



### 3.1.1.2.4 Test Bandwidth = 10

#### 3.1.1.2.4.1 Test Channel = MCH

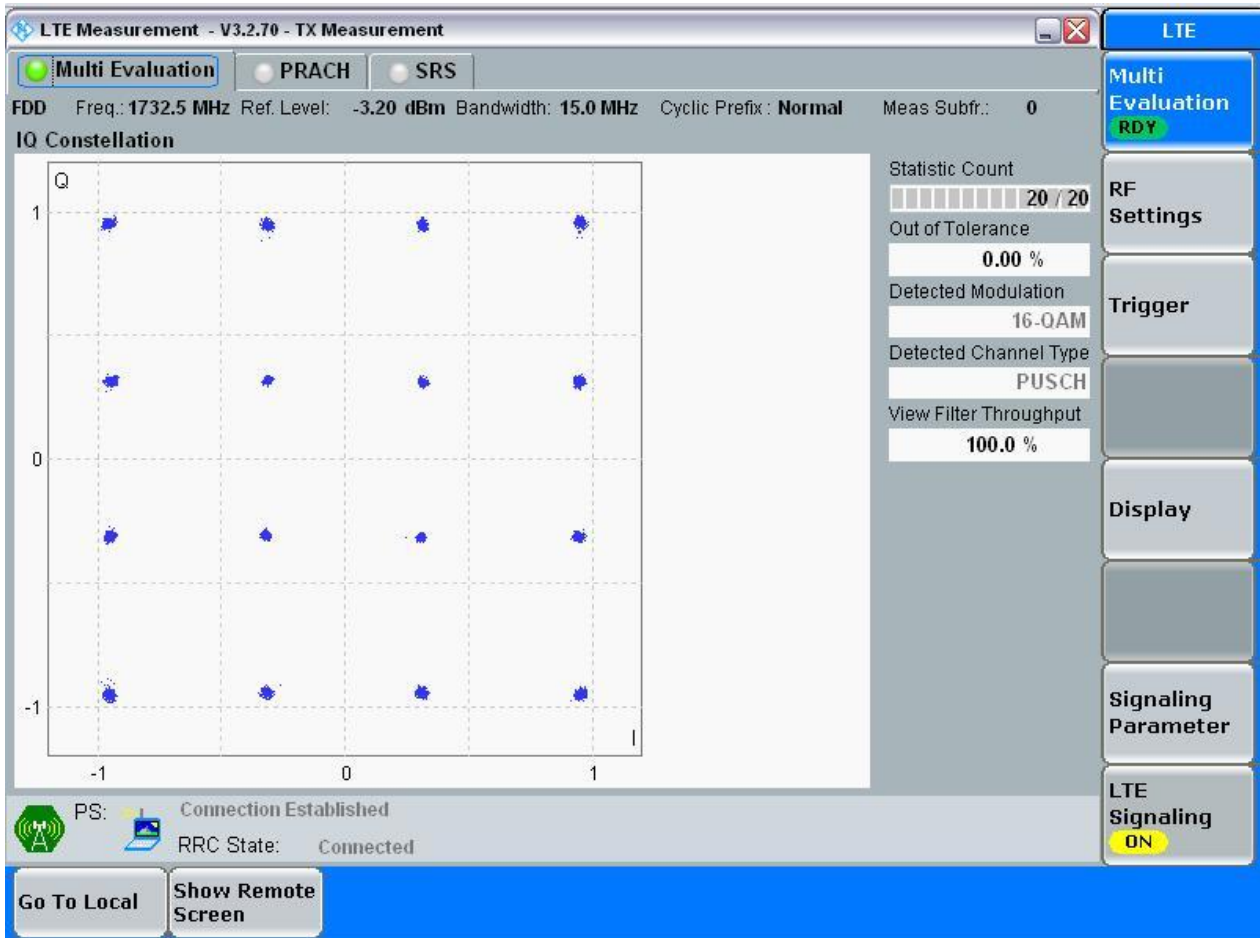
##### 3.1.1.2.4.1.1 Test RB = RB50#0



### 3.1.1.2.5 Test Bandwidth = 15

#### 3.1.1.2.5.1 Test Channel = MCH

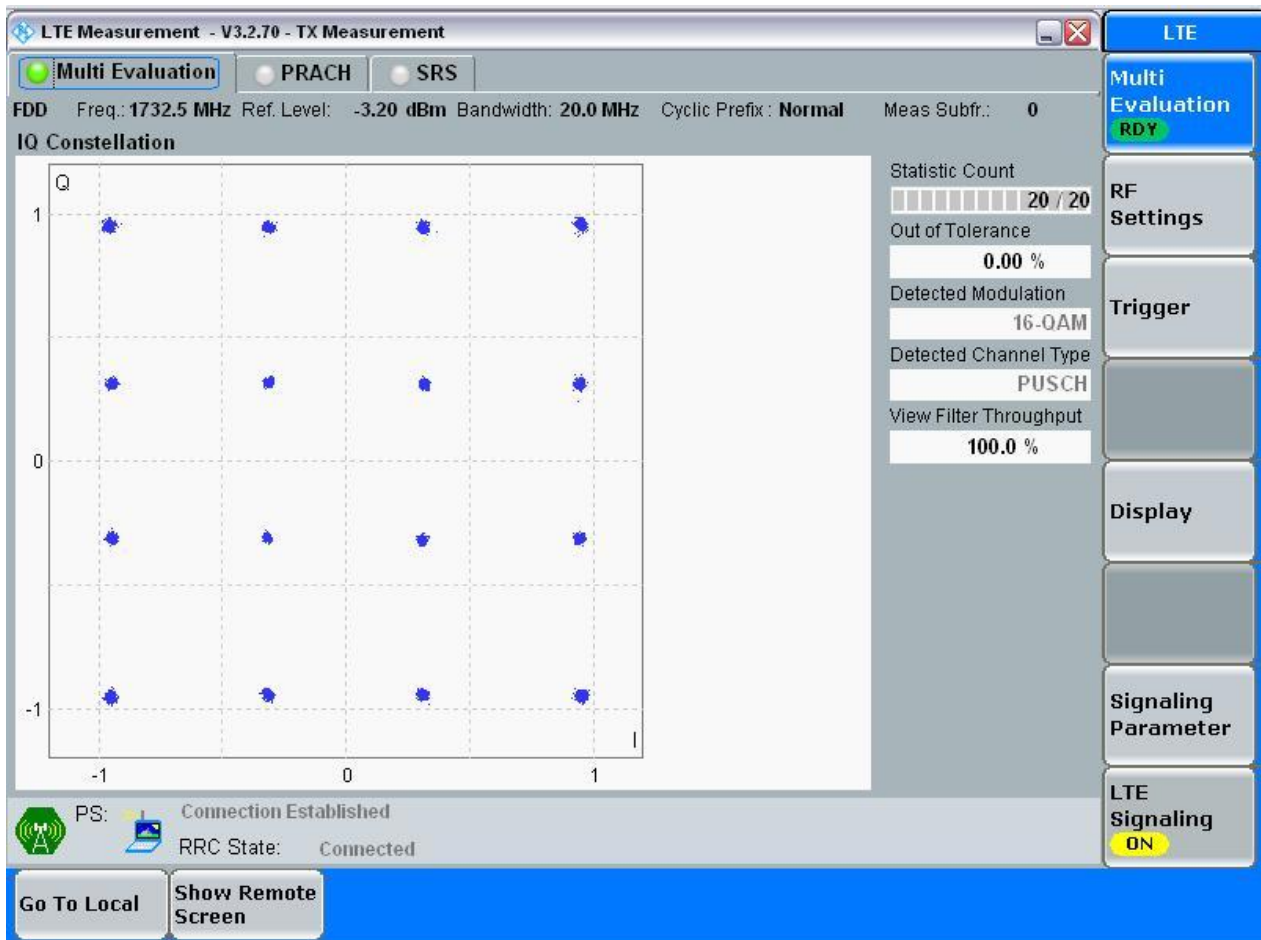
##### 3.1.1.2.5.1.1 Test RB = RB75#0



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	1.07	1.19	Pass
			MCH	RB6#0	1.09	1.21	Pass
			HCH	RB6#0	1.10	1.24	Pass
		3	LCH	RB15#0	2.71	2.98	Pass
			MCH	RB15#0	2.71	2.96	Pass
			HCH	RB15#0	2.71	2.98	Pass
		5	LCH	RB25#0	4.52	4.83	Pass
			MCH	RB25#0	4.51	4.98	Pass
			HCH	RB25#0	4.52	4.96	Pass
		10	LCH	RB50#0	9.02	9.91	Pass
			MCH	RB50#0	9.00	9.93	Pass
			HCH	RB50#0	9.00	9.91	Pass
		15	LCH	RB75#0	13.57	15.09	Pass
			MCH	RB75#0	13.53	14.99	Pass
			HCH	RB75#0	13.53	15.01	Pass
		20	LCH	RB100#0	18.04	19.89	Pass
			MCH	RB100#0	18.00	19.79	Pass
			HCH	RB100#0	18.03	19.82	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.07	1.19	Pass
			MCH	RB6#0	1.10	1.24	Pass
			HCH	RB6#0	1.09	1.24	Pass
		3	LCH	RB15#0	2.70	2.88	Pass
			MCH	RB15#0	2.71	2.99	Pass
			HCH	RB15#0	2.71	2.99	Pass
		5	LCH	RB25#0	4.51	4.79	Pass
			MCH	RB25#0	4.52	4.98	Pass
			HCH	RB25#0	4.52	4.97	Pass
10		LCH	RB50#0	9.02	9.93	Pass	
		MCH	RB50#0	8.99	9.89	Pass	
		HCH	RB50#0	9.00	9.94	Pass	



Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
		15	LCH	RB75#0	13.57	15.09	Pass
			MCH	RB75#0	13.51	14.91	Pass
			HCH	RB75#0	13.53	15.00	Pass
		20	LCH	RB100#0	18.07	19.25	Pass
			MCH	RB100#0	17.97	19.76	Pass
			HCH	RB100#0	18.05	19.85	Pass



Part II - Test Plots

4.1 For LTE

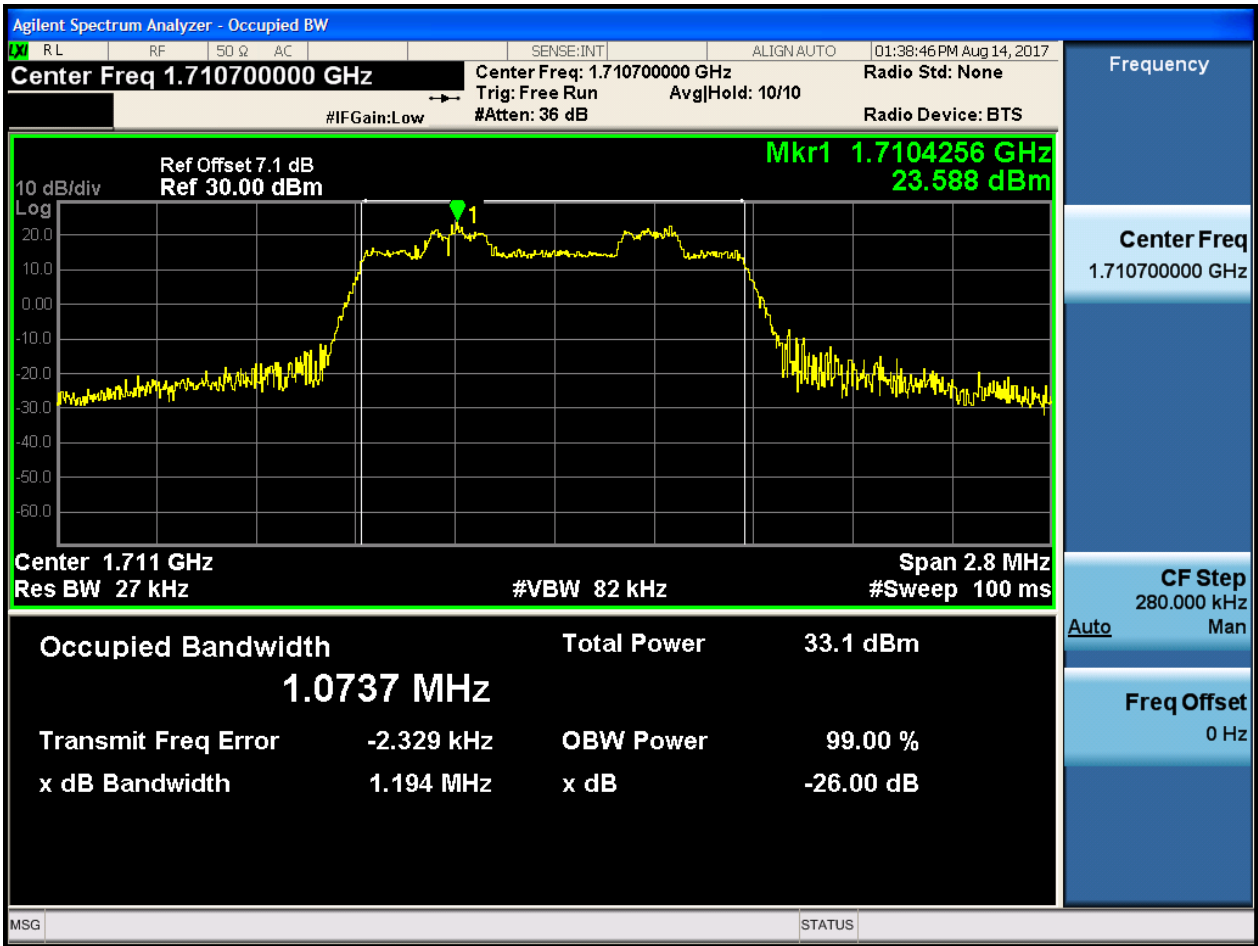
4.1.1 Test Band = BAND4

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

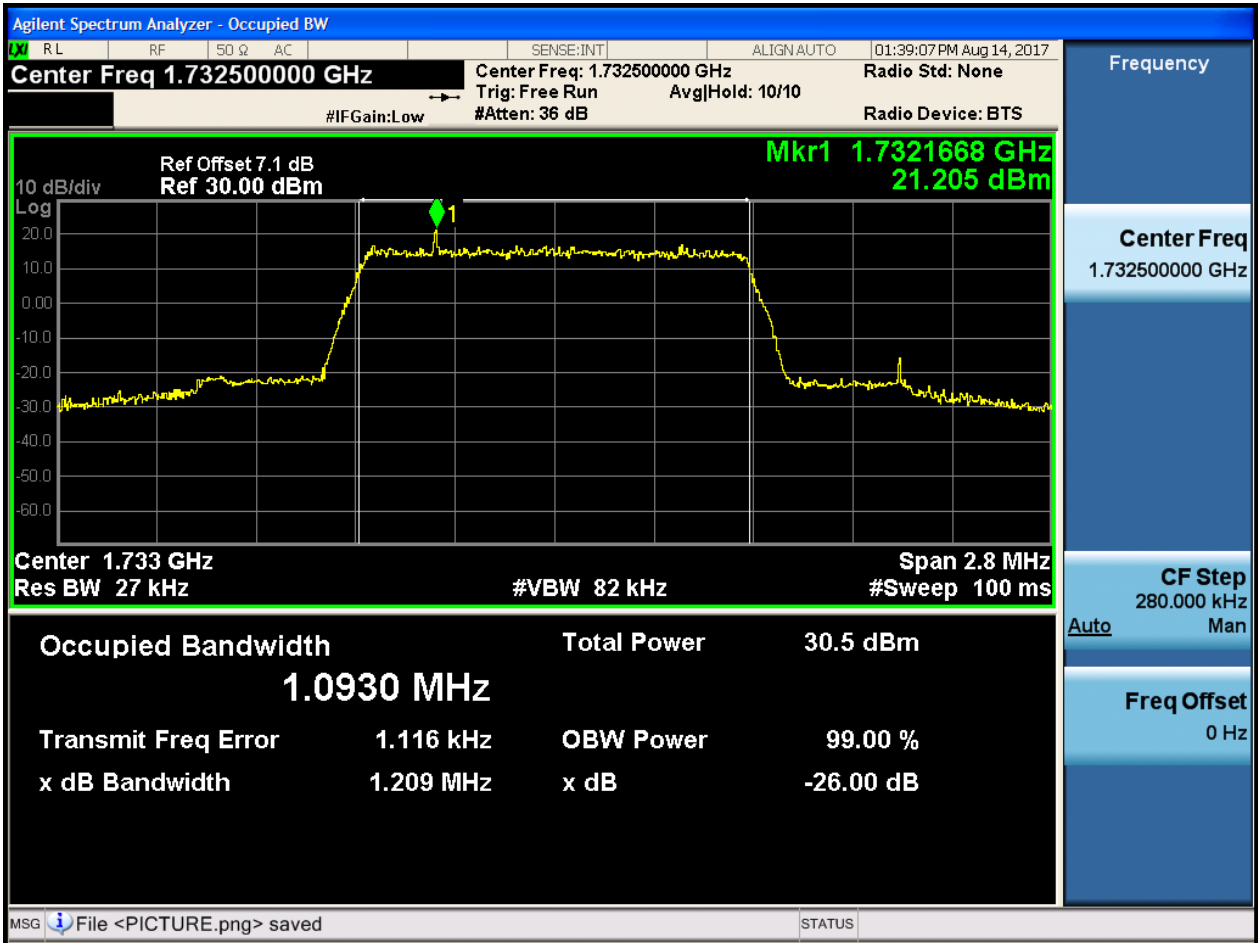
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

4.1.1.1.1.2.1 Test RB = RB6#0

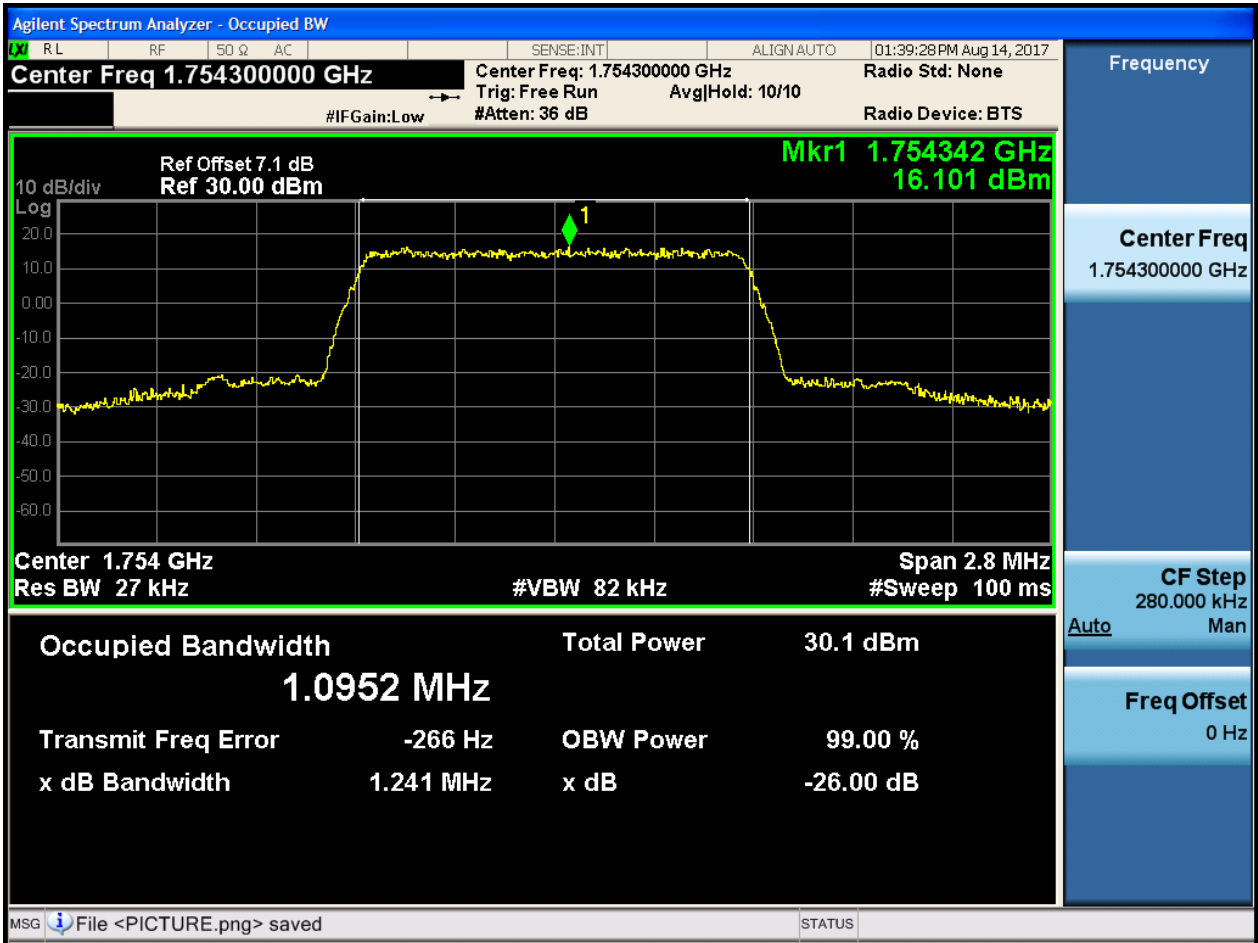






4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

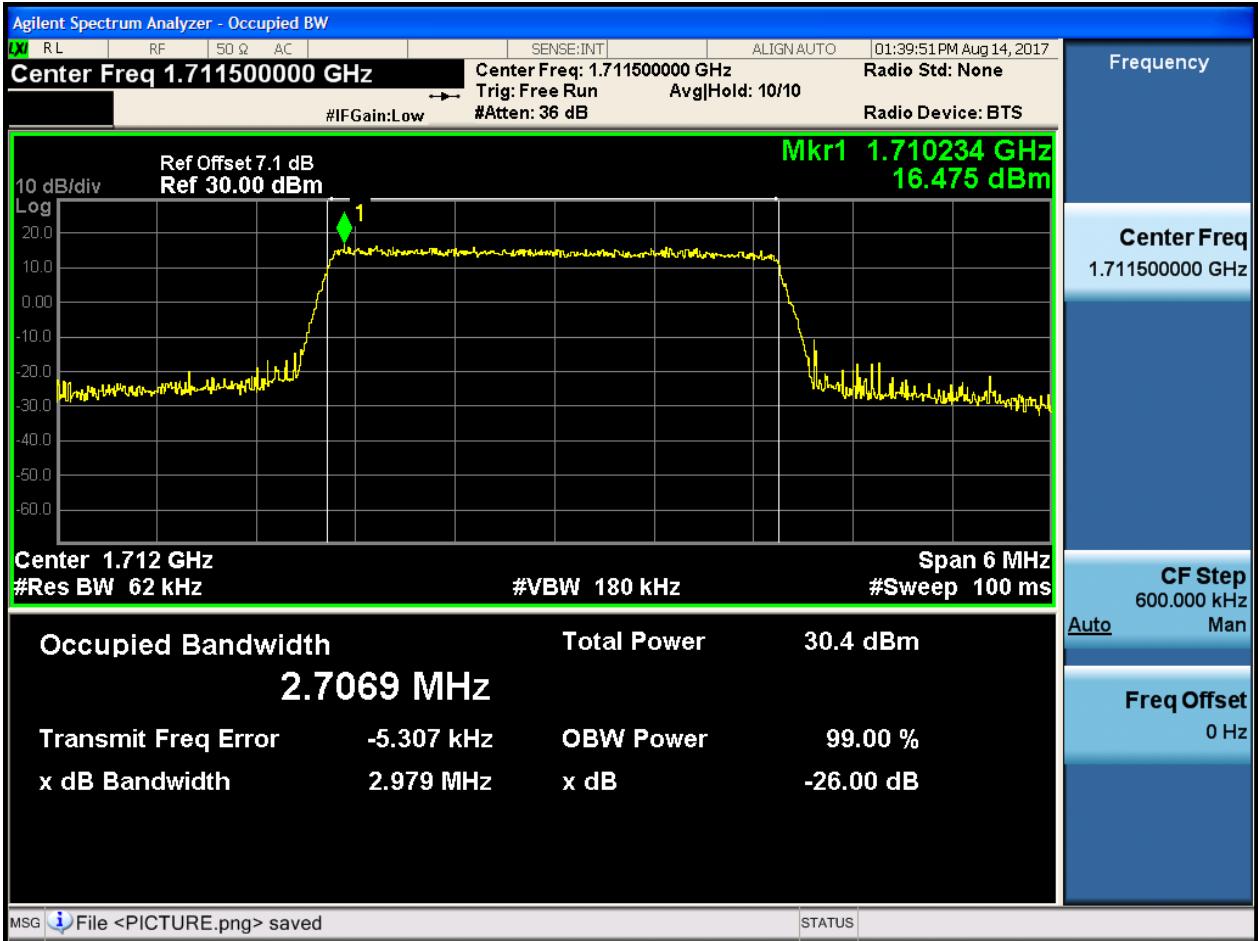




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

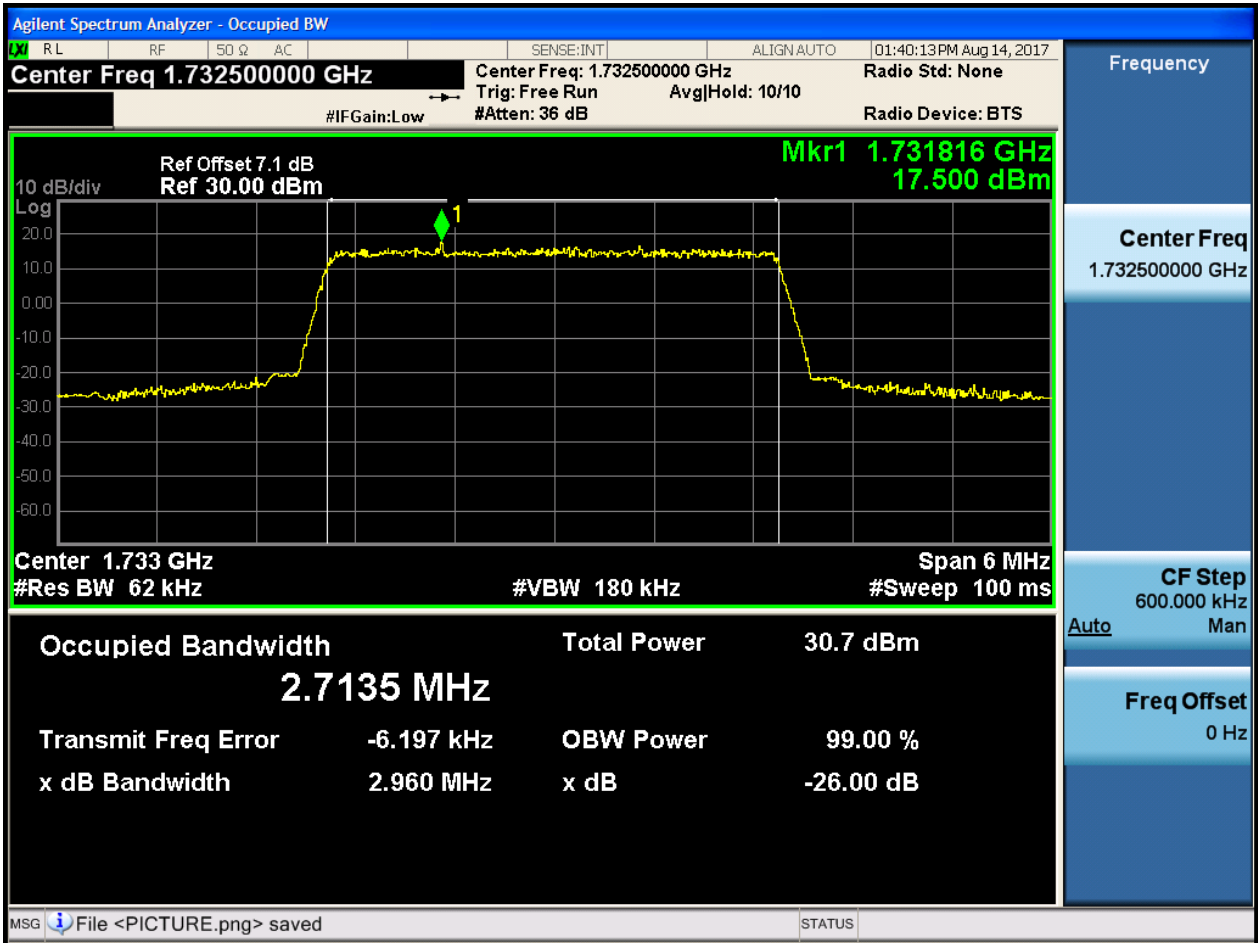
4.1.1.1.2.1.1 Test RB = RB15#0





4.1.1.1.2.2 Test Channel = MCH

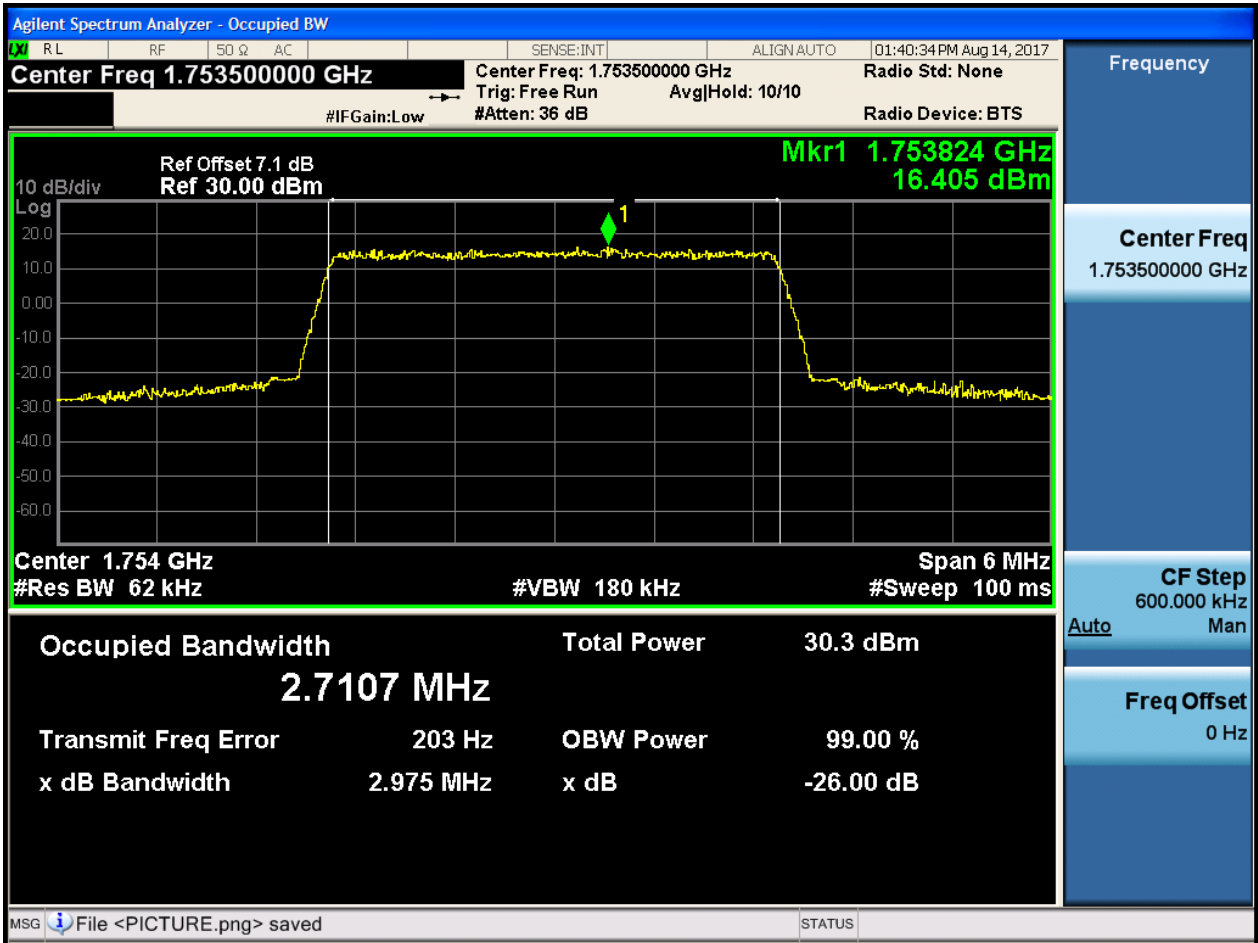
4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

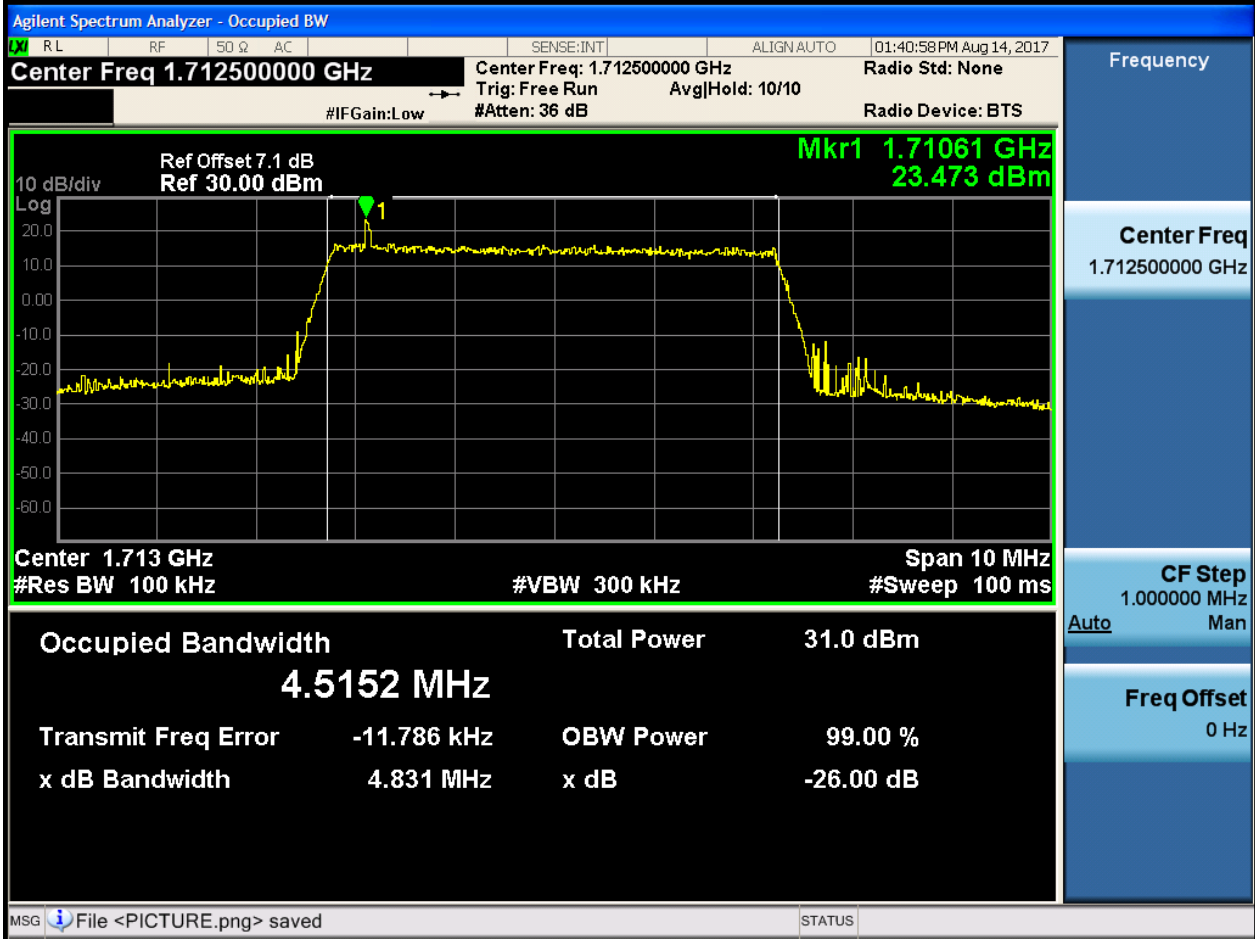




4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

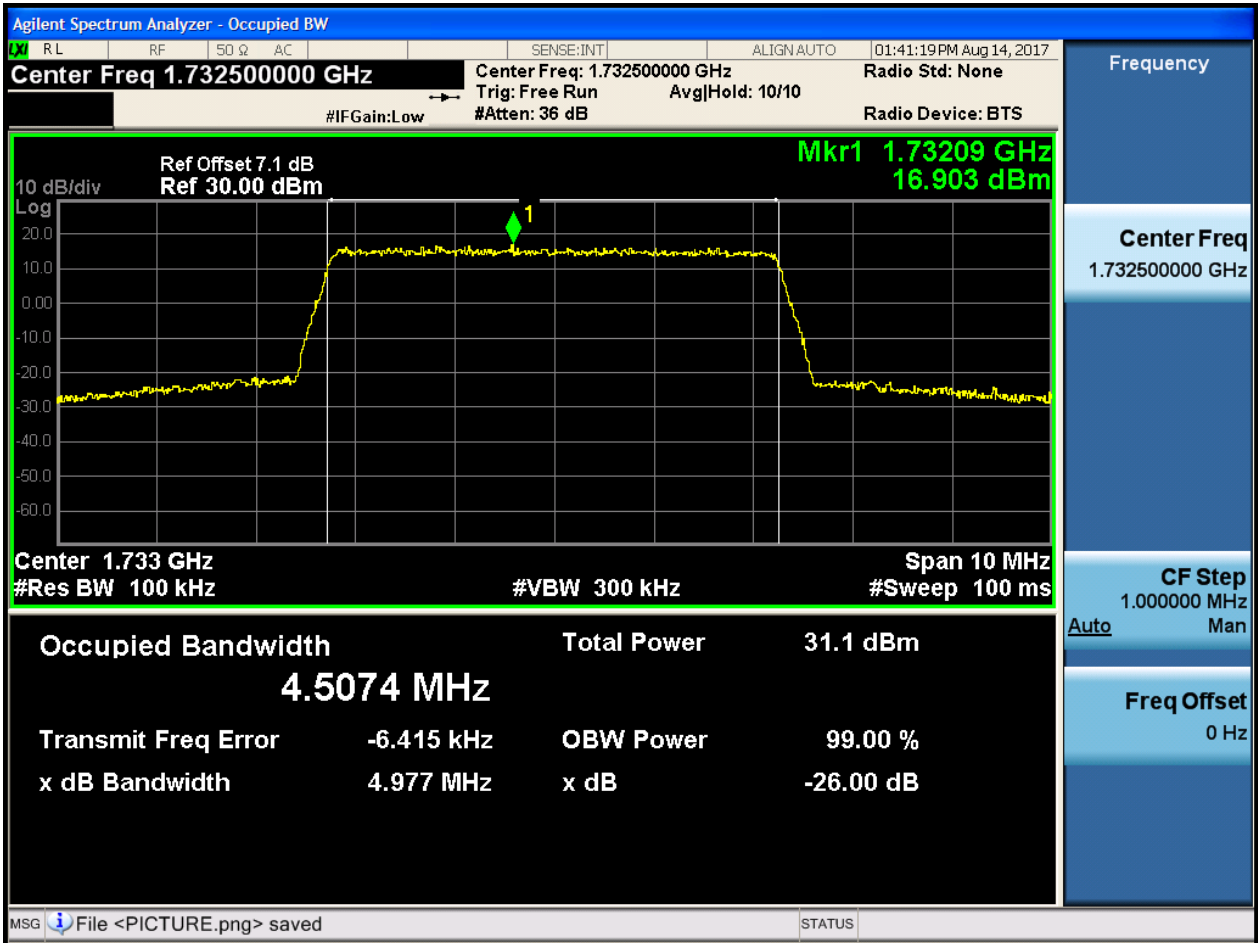
4.1.1.1.3.1.1 Test RB = RB25#0





4.1.1.1.3.2 Test Channel = MCH

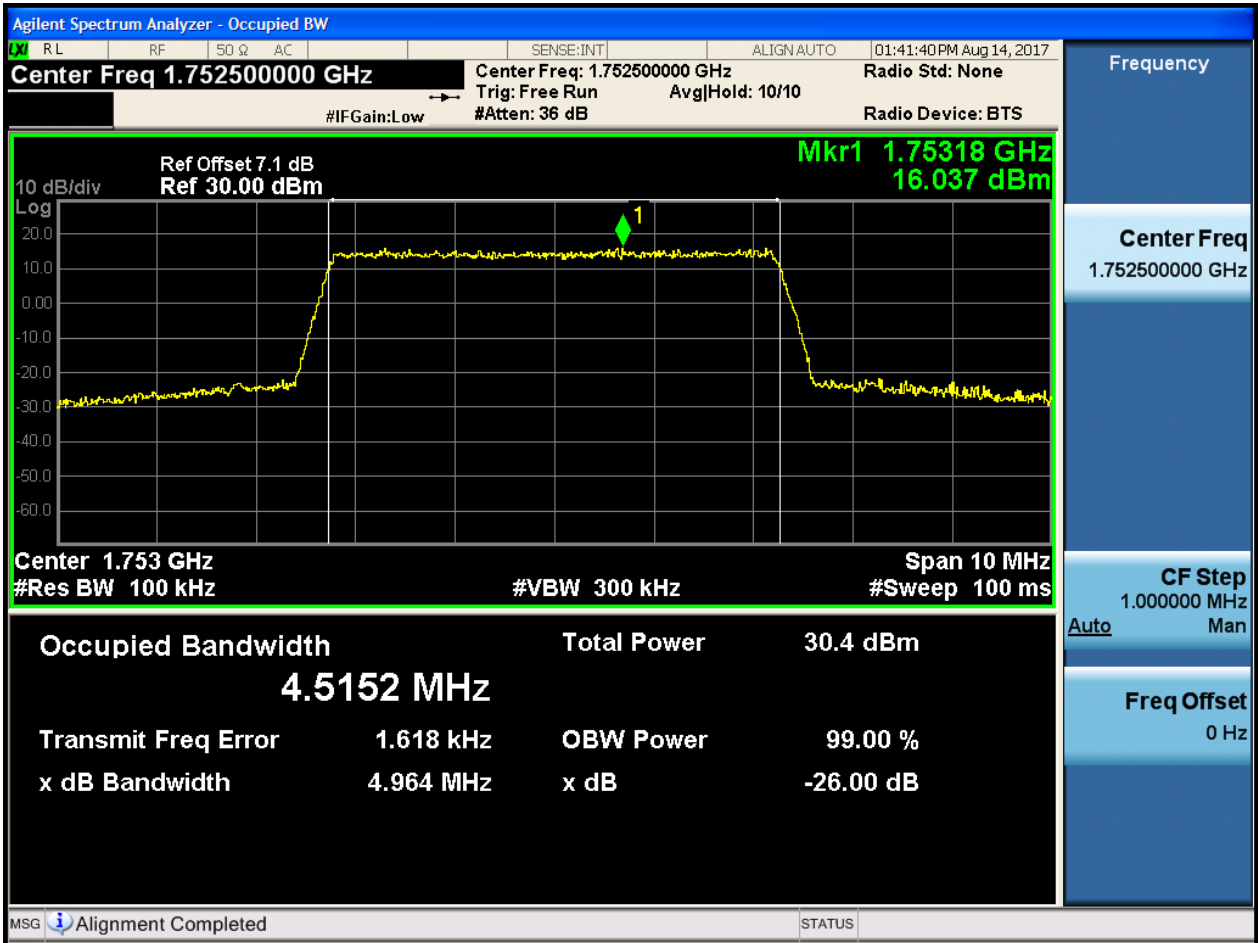
4.1.1.1.3.2.1 Test RB = RB25#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

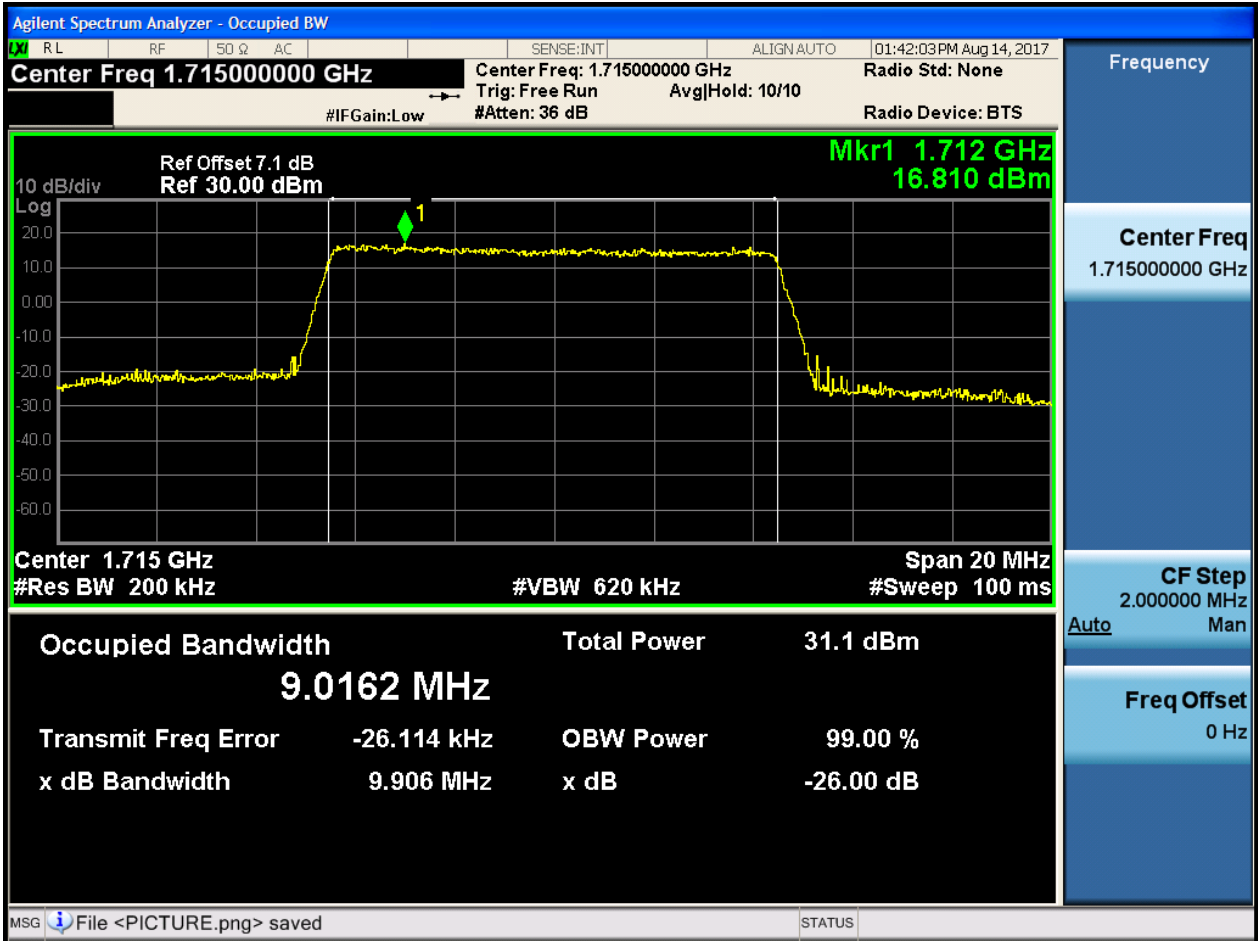




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB50#0

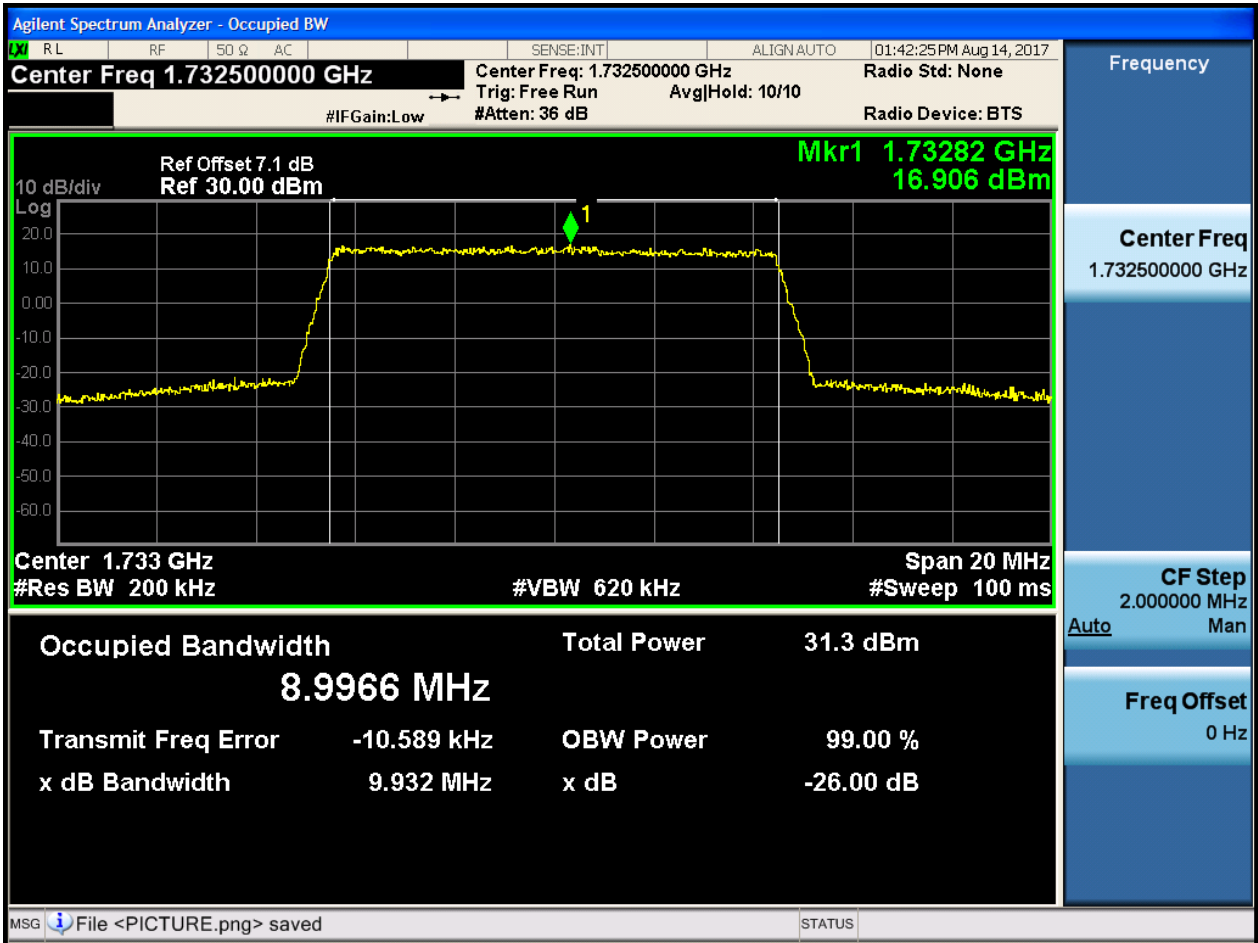






4.1.1.1.4.2 Test Channel = MCH

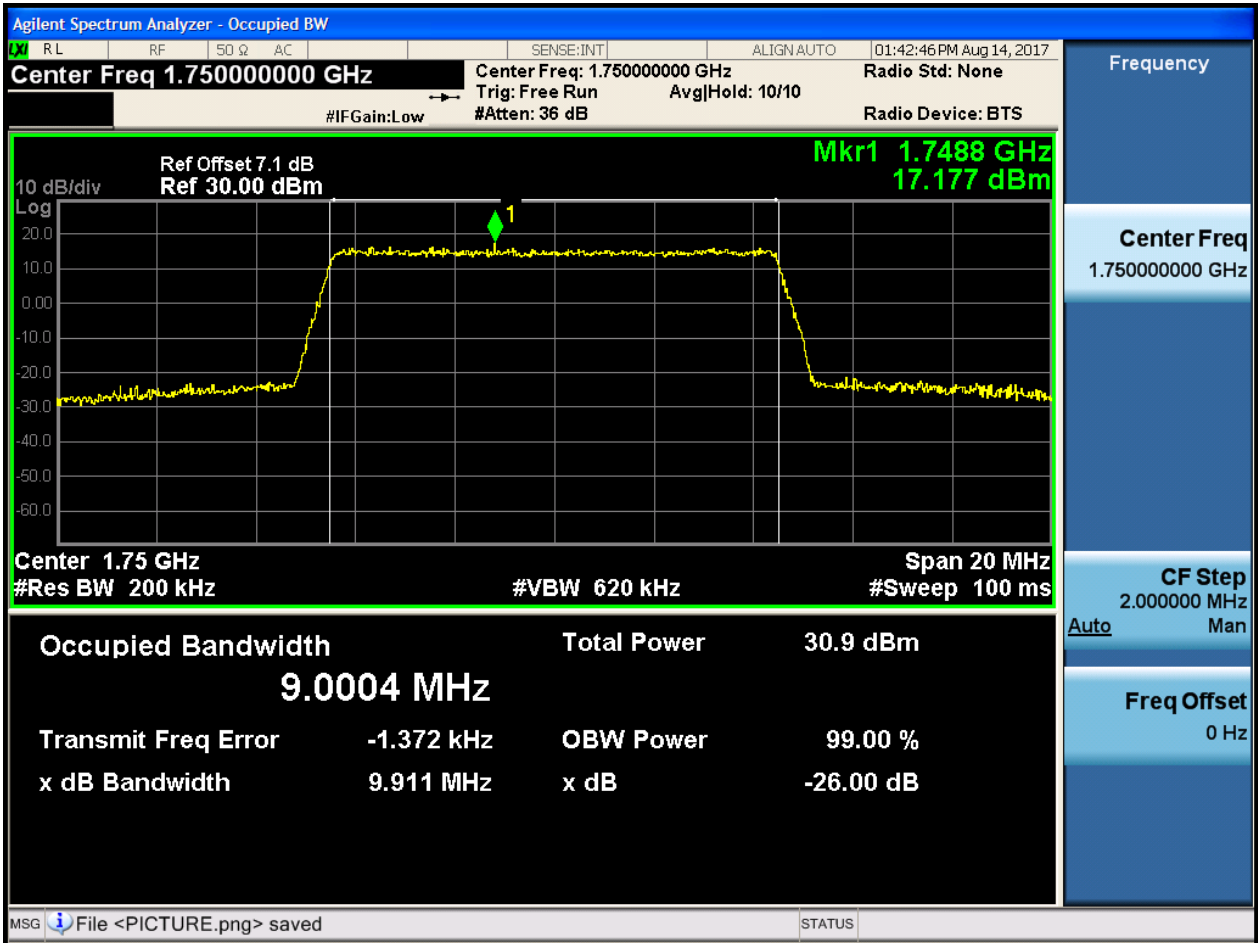
4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0

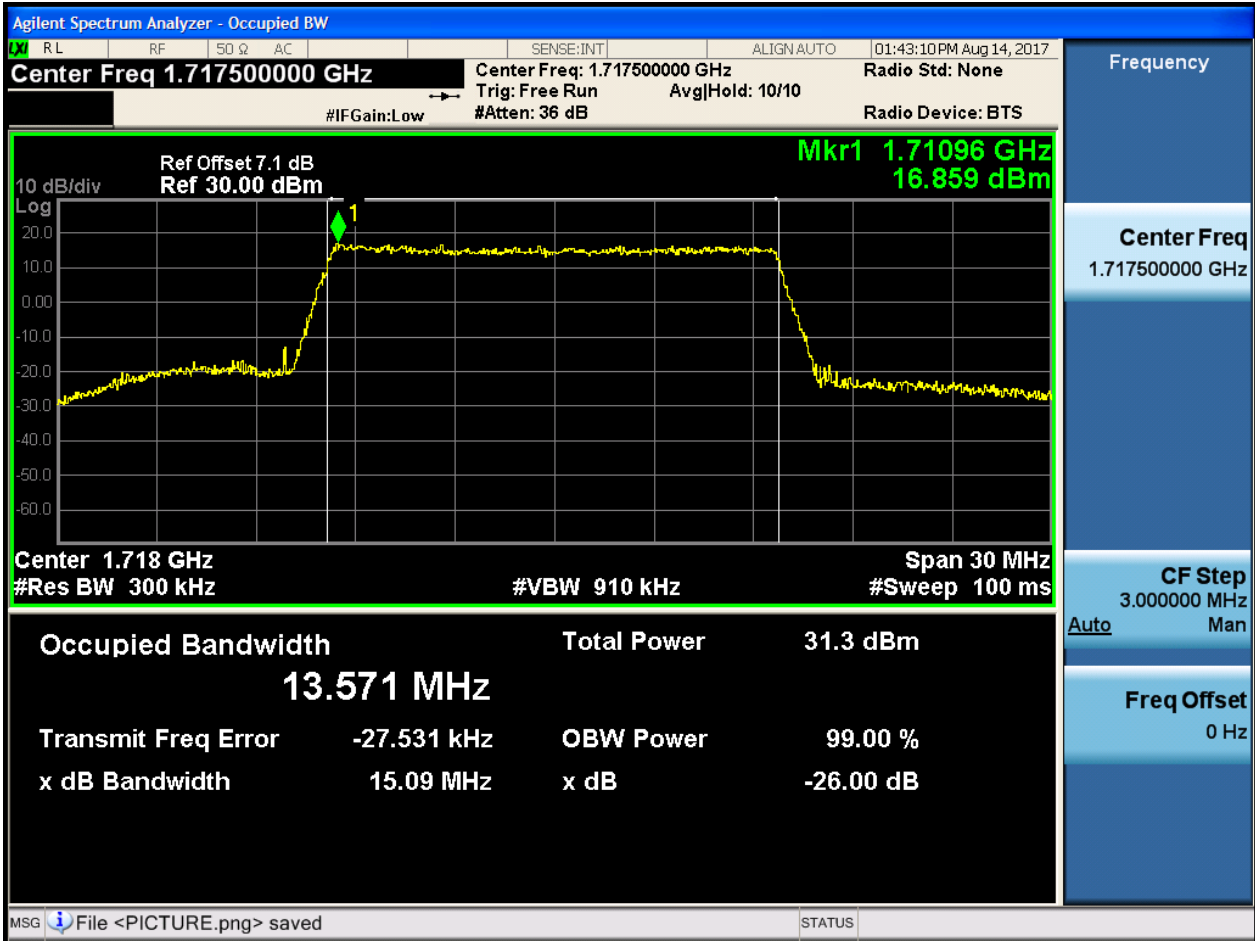




4.1.1.1.5 Test Bandwidth = 15

4.1.1.1.5.1 Test Channel = LCH

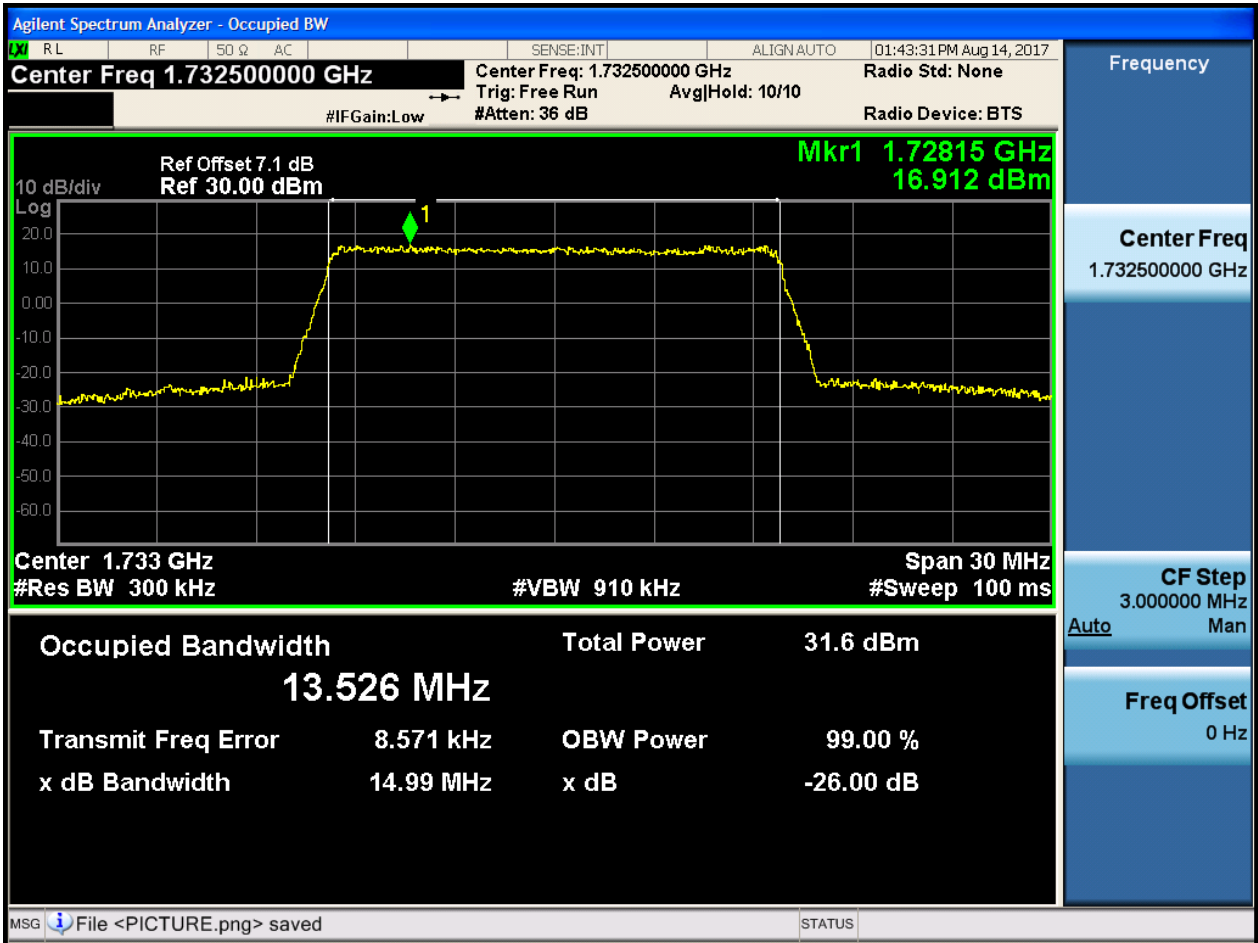
4.1.1.1.5.1.1 Test RB = RB75#0





4.1.1.1.5.2 Test Channel = MCH

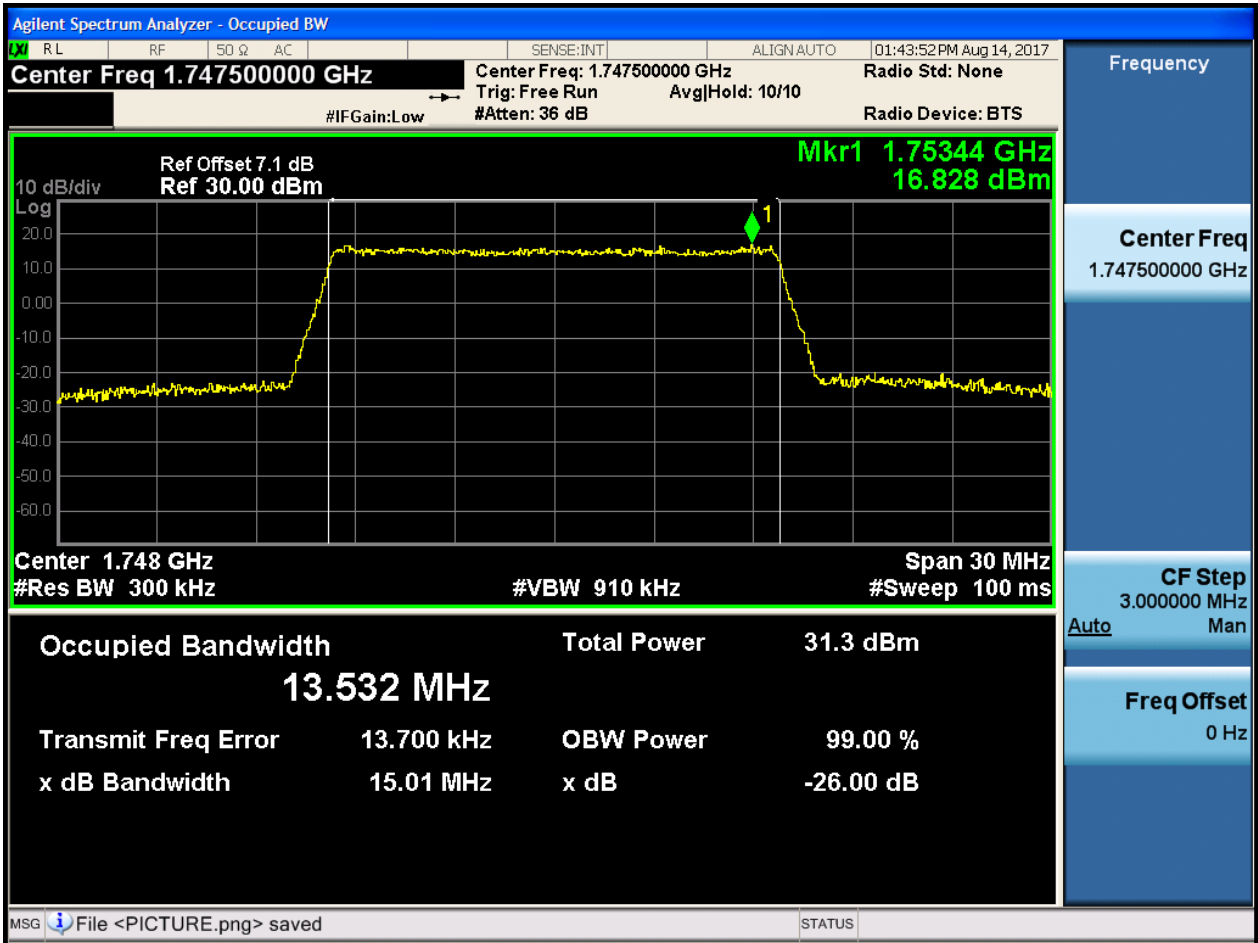
4.1.1.1.5.2.1 Test RB = RB75#0





4.1.1.1.5.3 Test Channel = HCH

4.1.1.1.5.3.1 Test RB = RB75#0

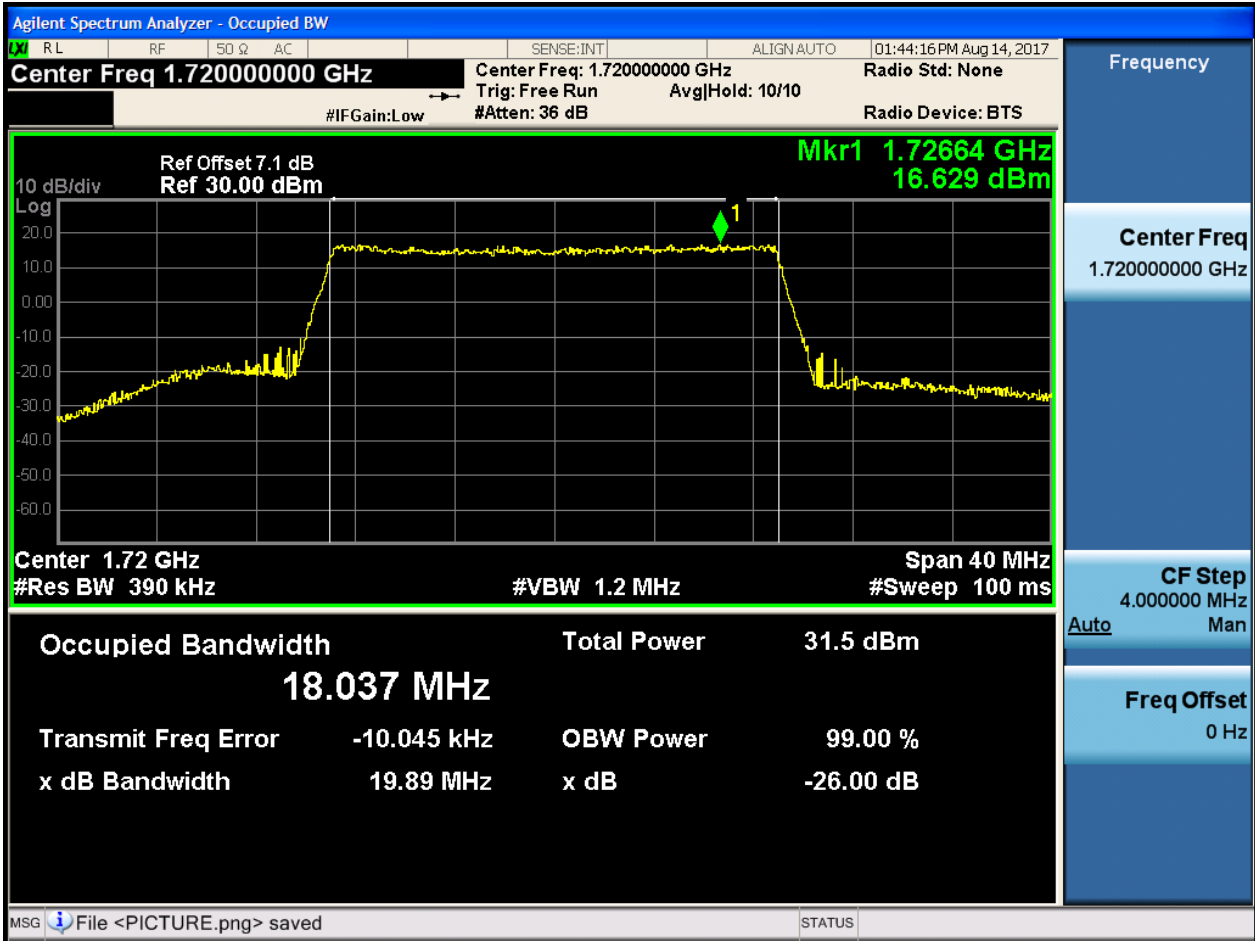




4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

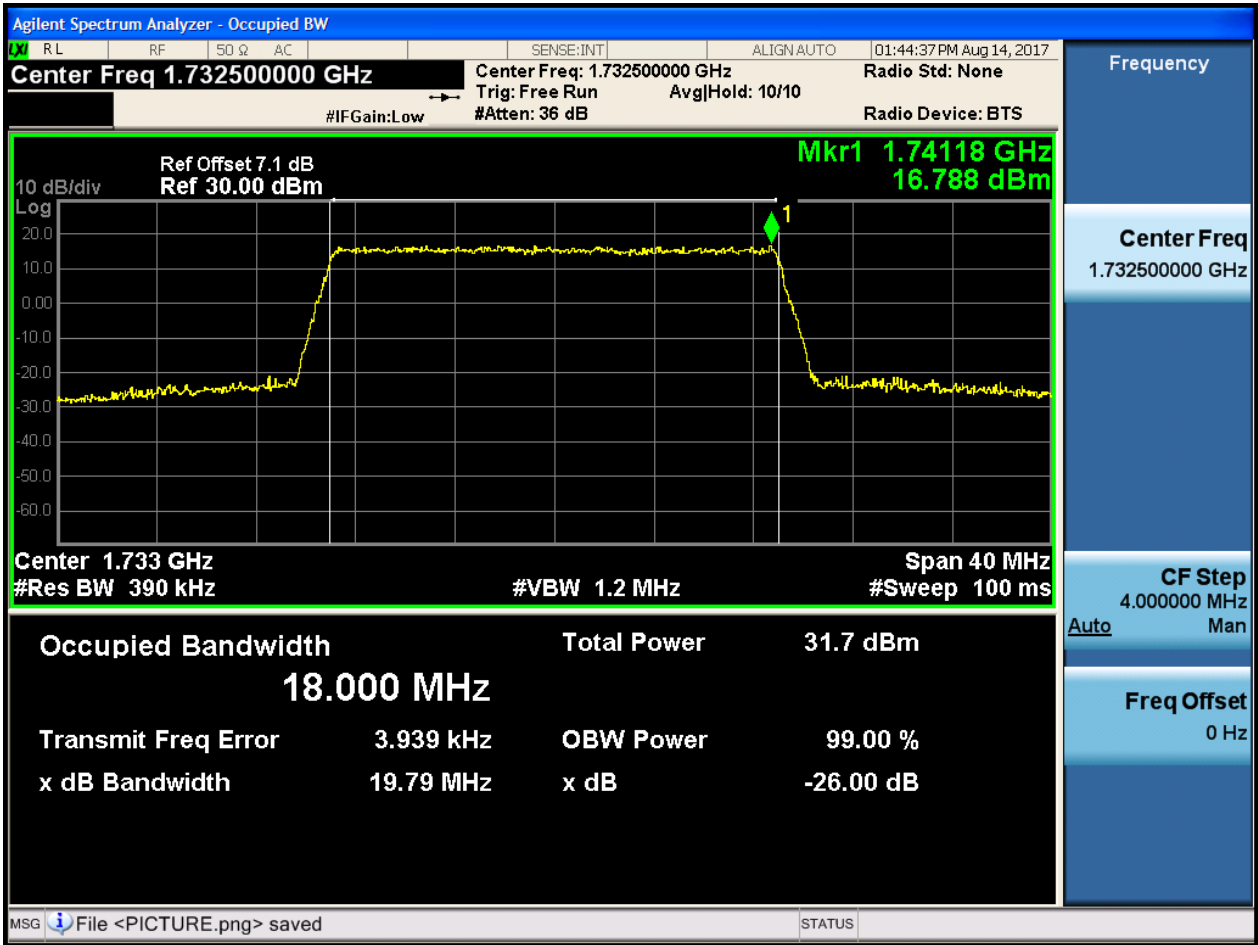
4.1.1.1.6.1.1 Test RB = RB100#0





4.1.1.1.6.2 Test Channel = MCH

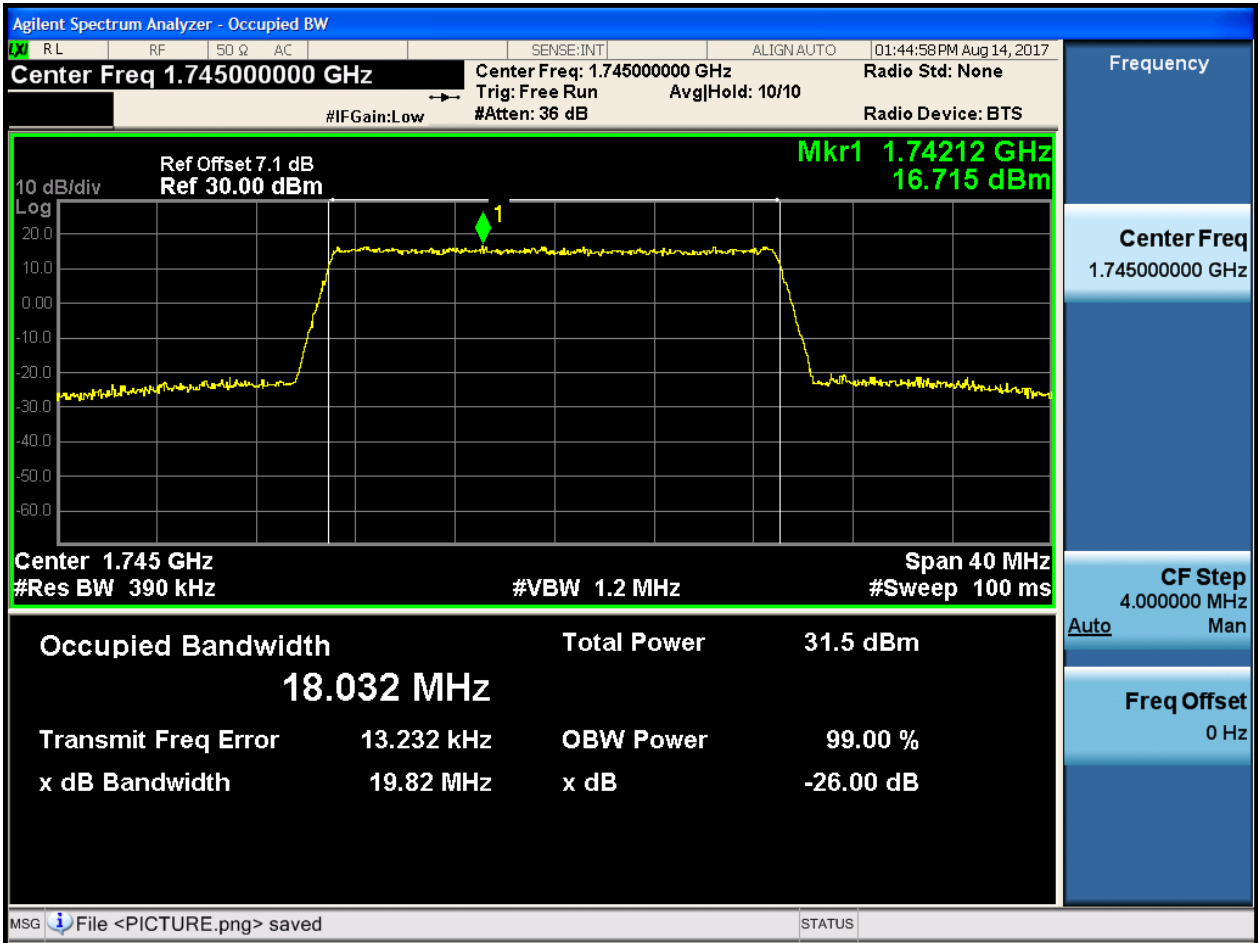
4.1.1.1.6.2.1 Test RB = RB100#0





4.1.1.1.6.3 Test Channel = HCH

4.1.1.1.6.3.1 Test RB = RB100#0





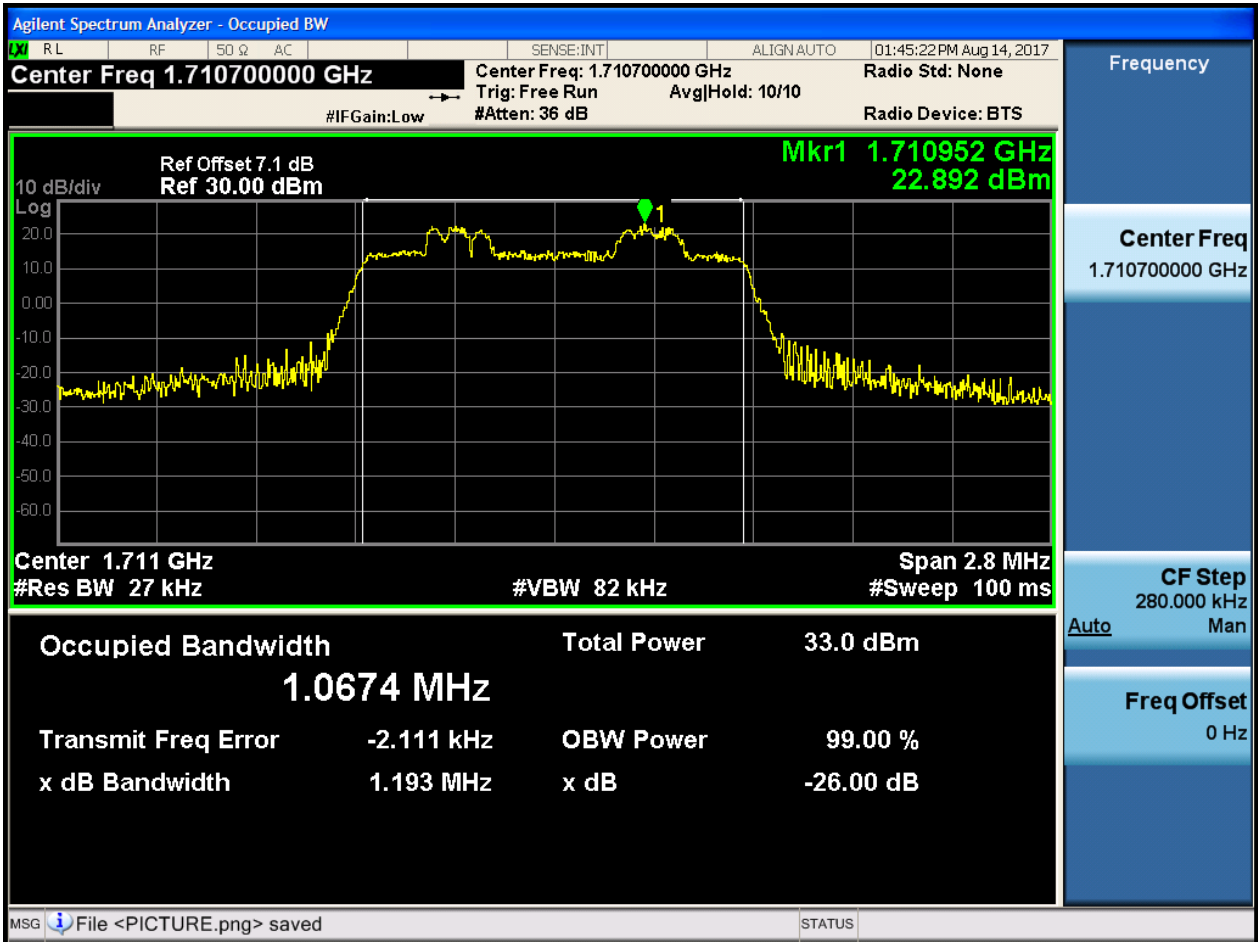


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

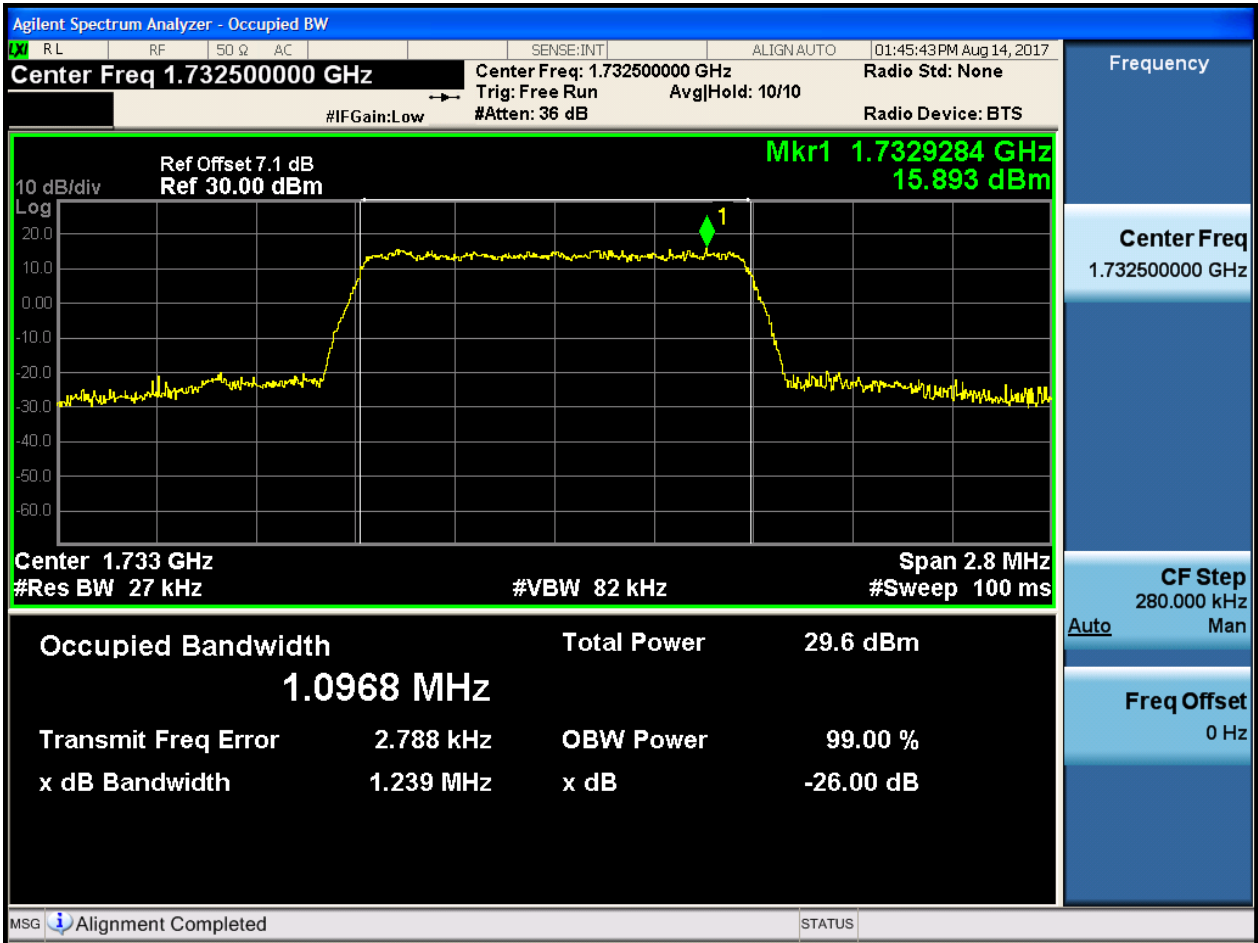
4.1.1.2.1.1.1 Test RB = RB6#0





4.1.1.2.1.2 Test Channel = MCH

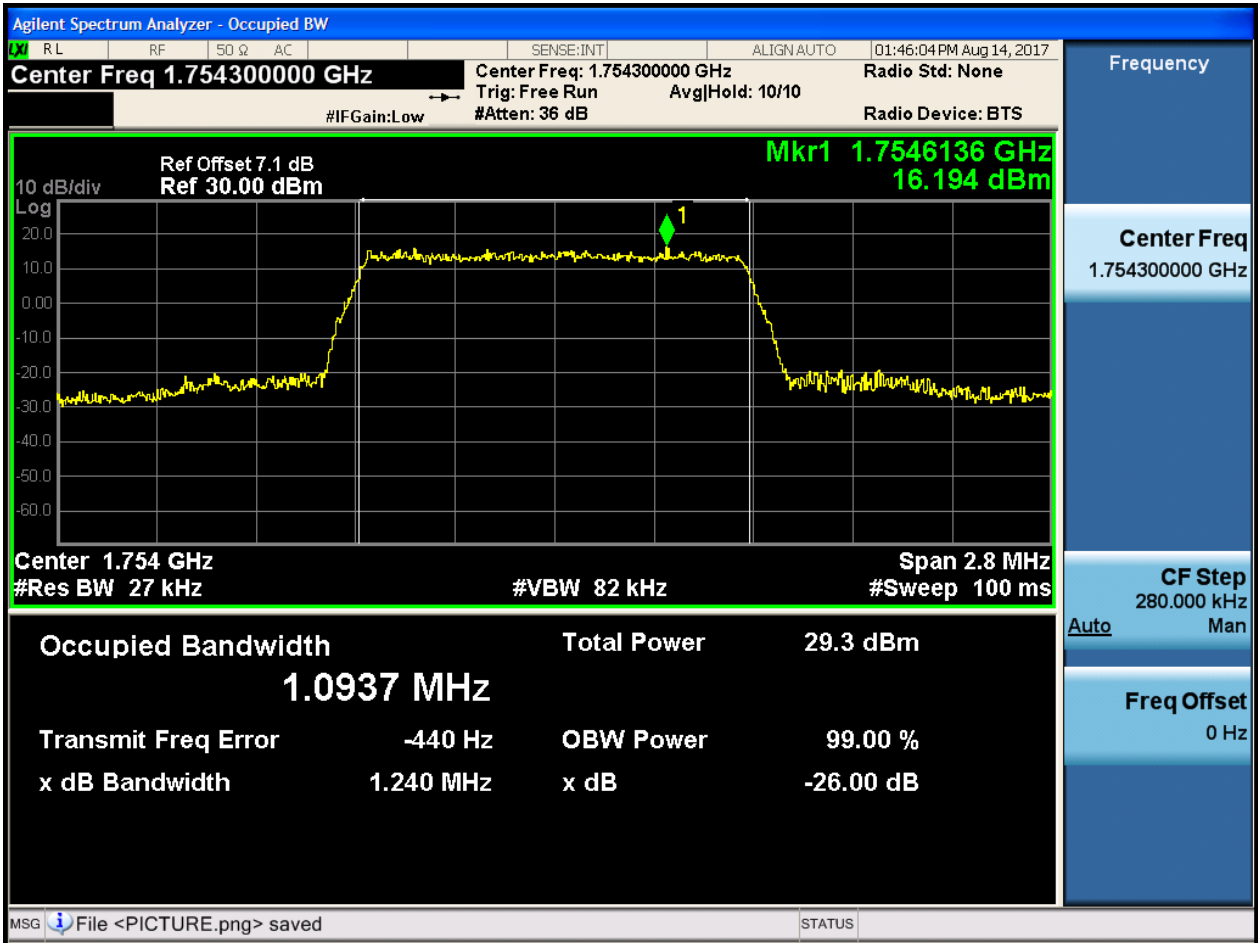
4.1.1.2.1.2.1 Test RB = RB6#0





4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0

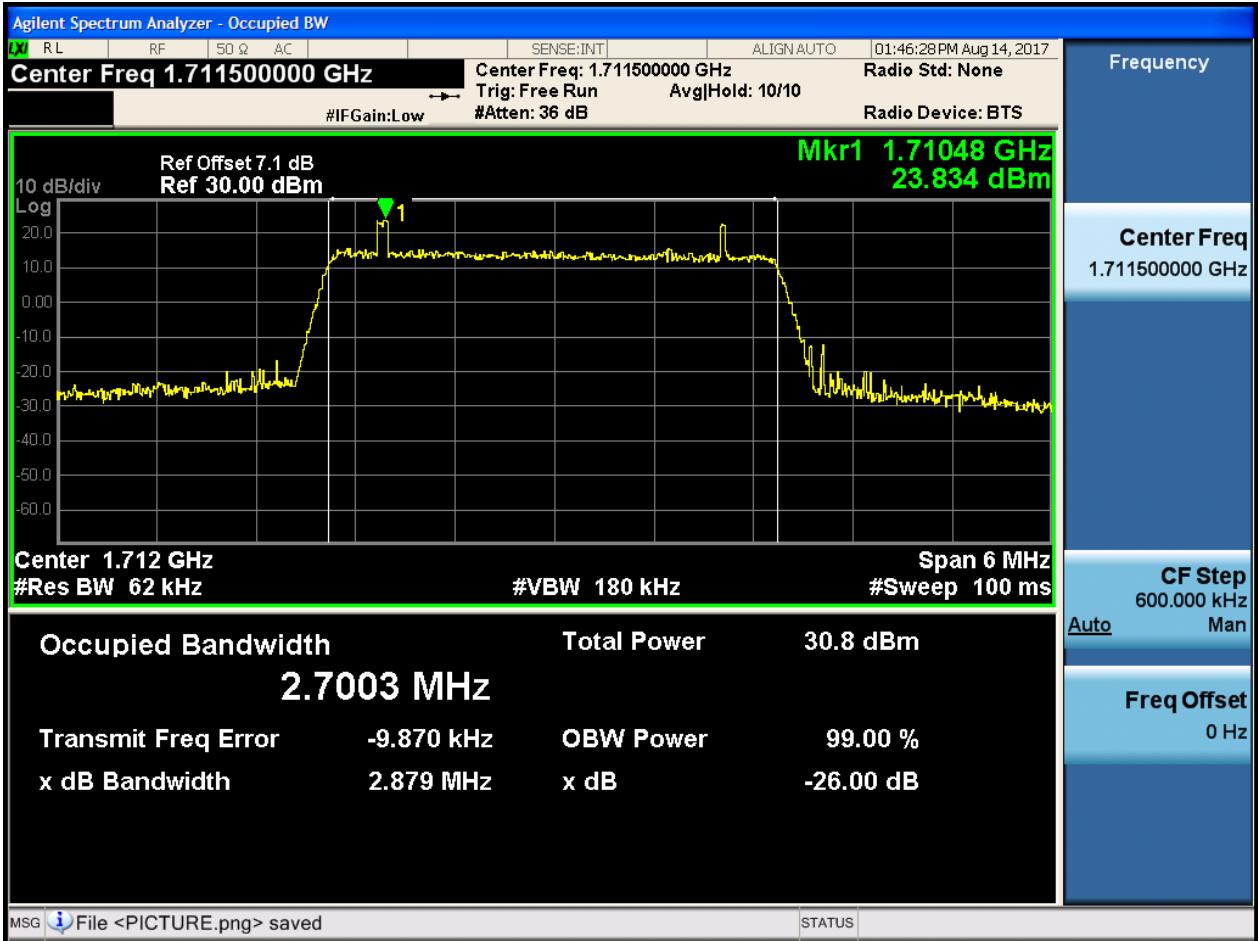




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

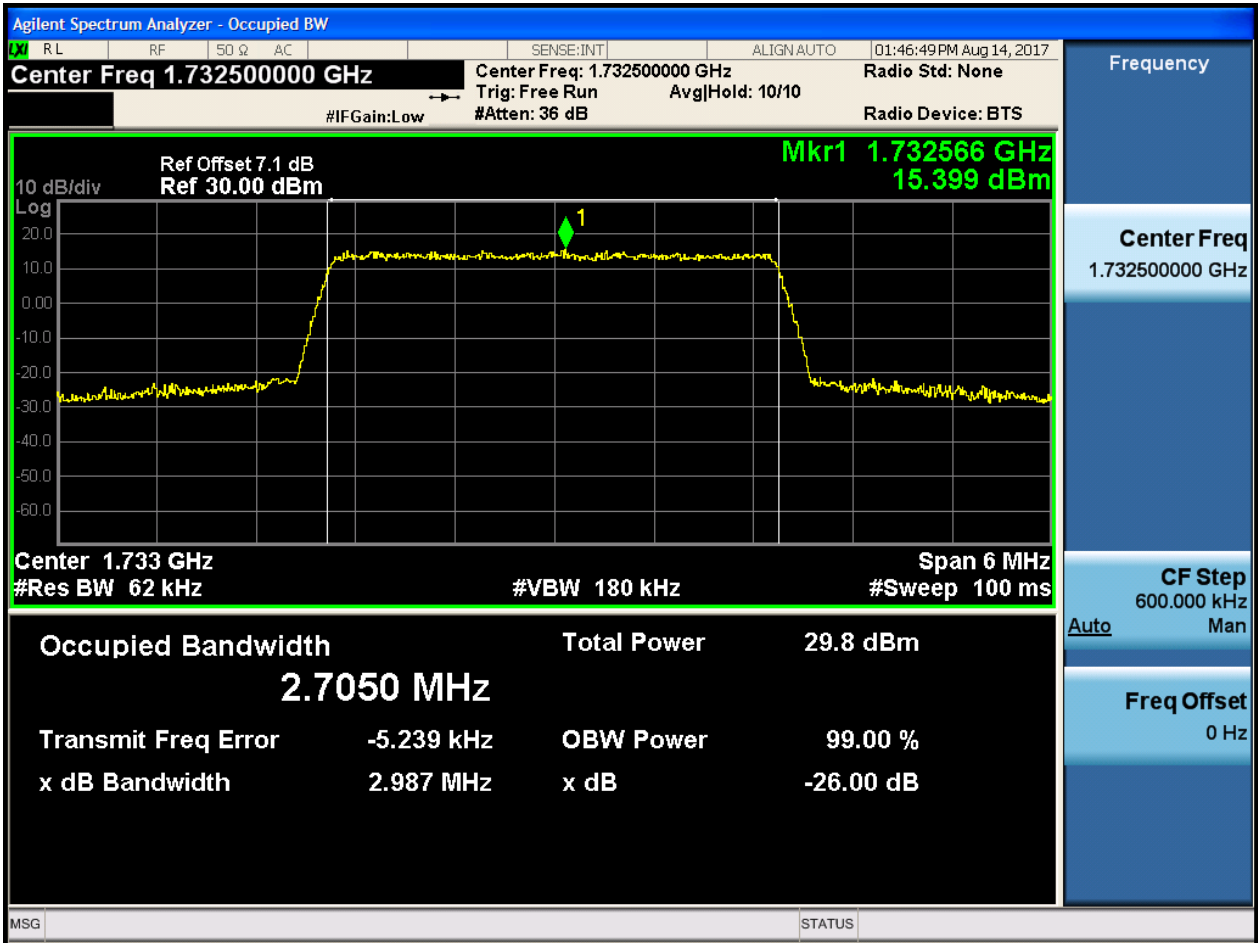
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2.2 Test Channel = MCH

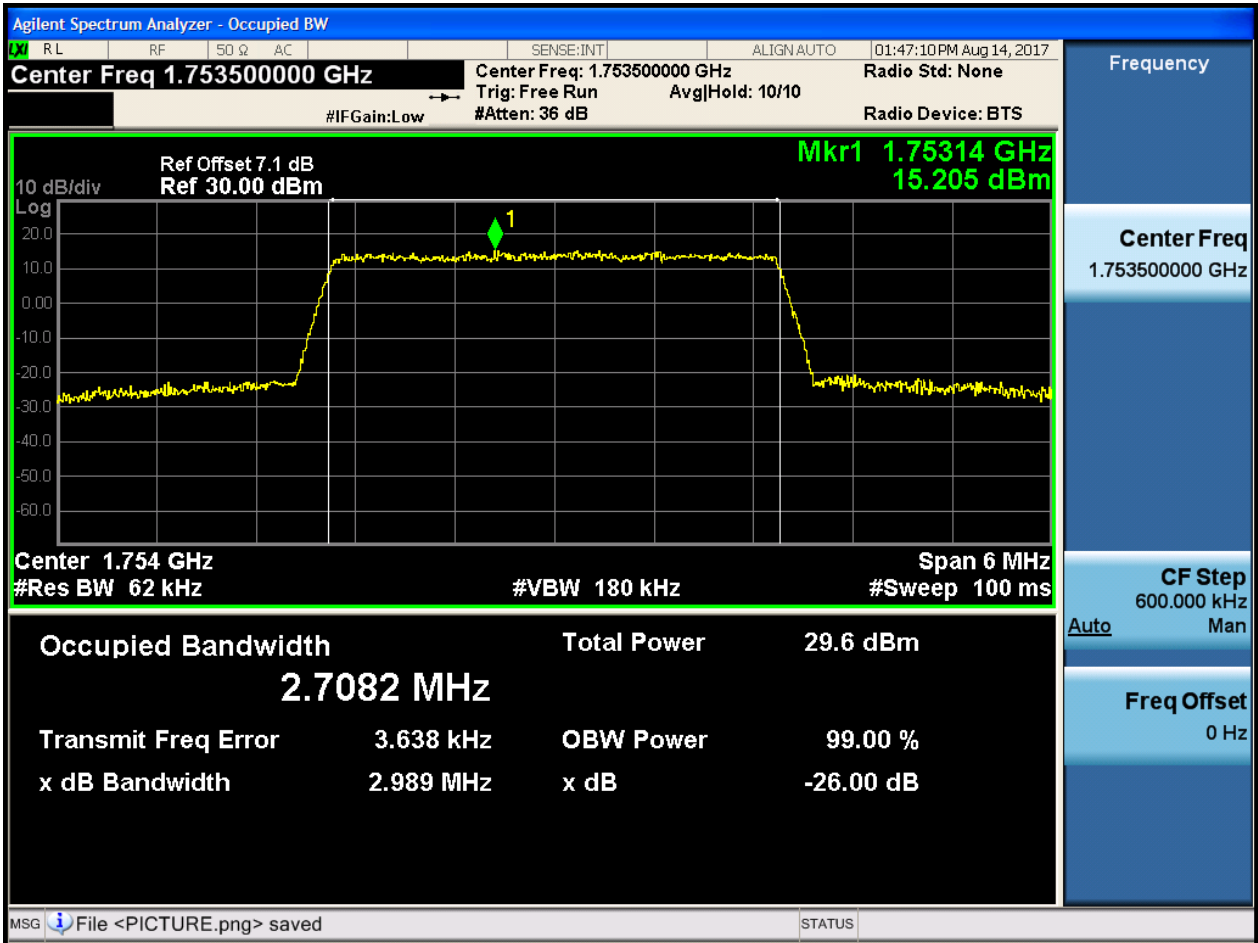
4.1.1.2.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

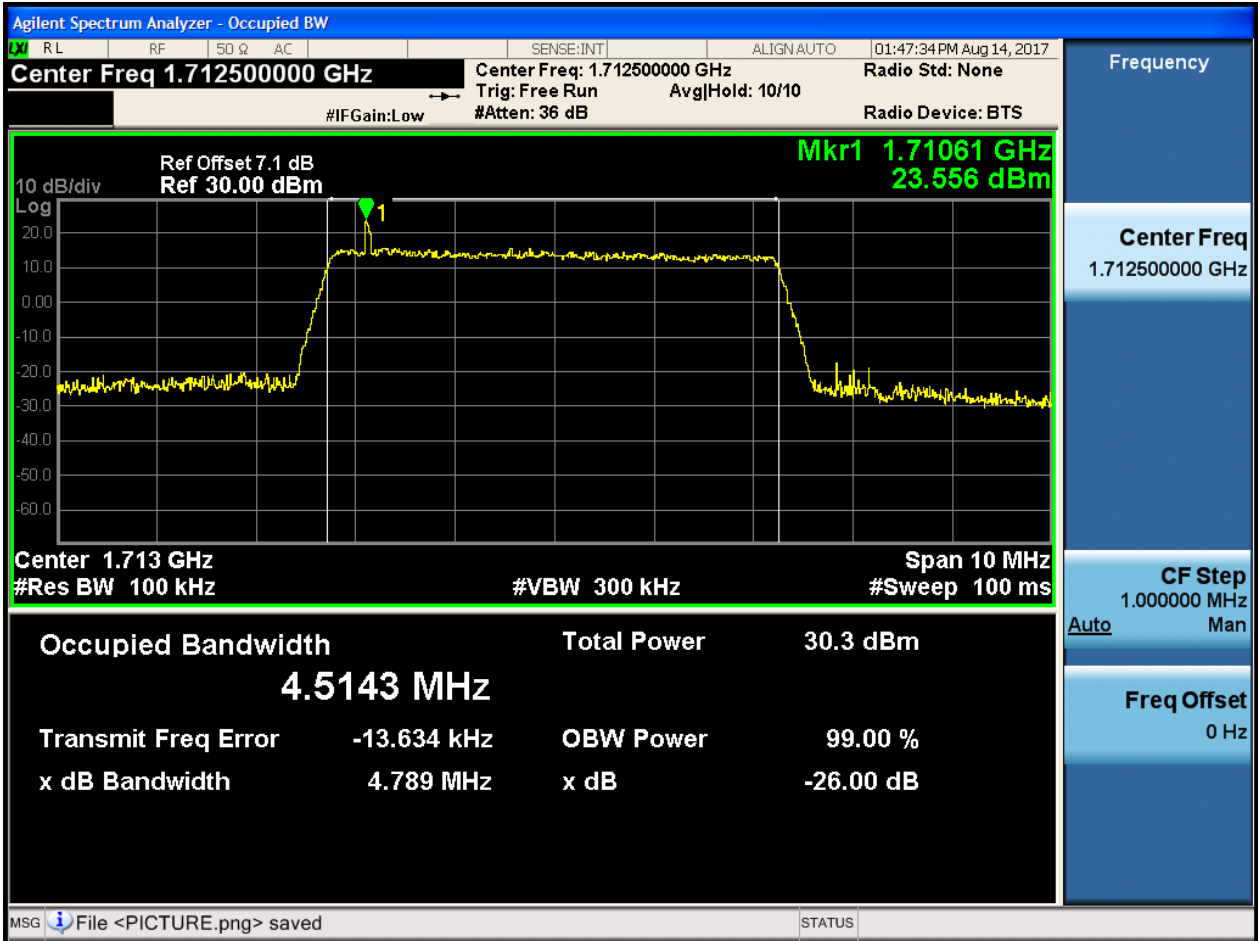




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

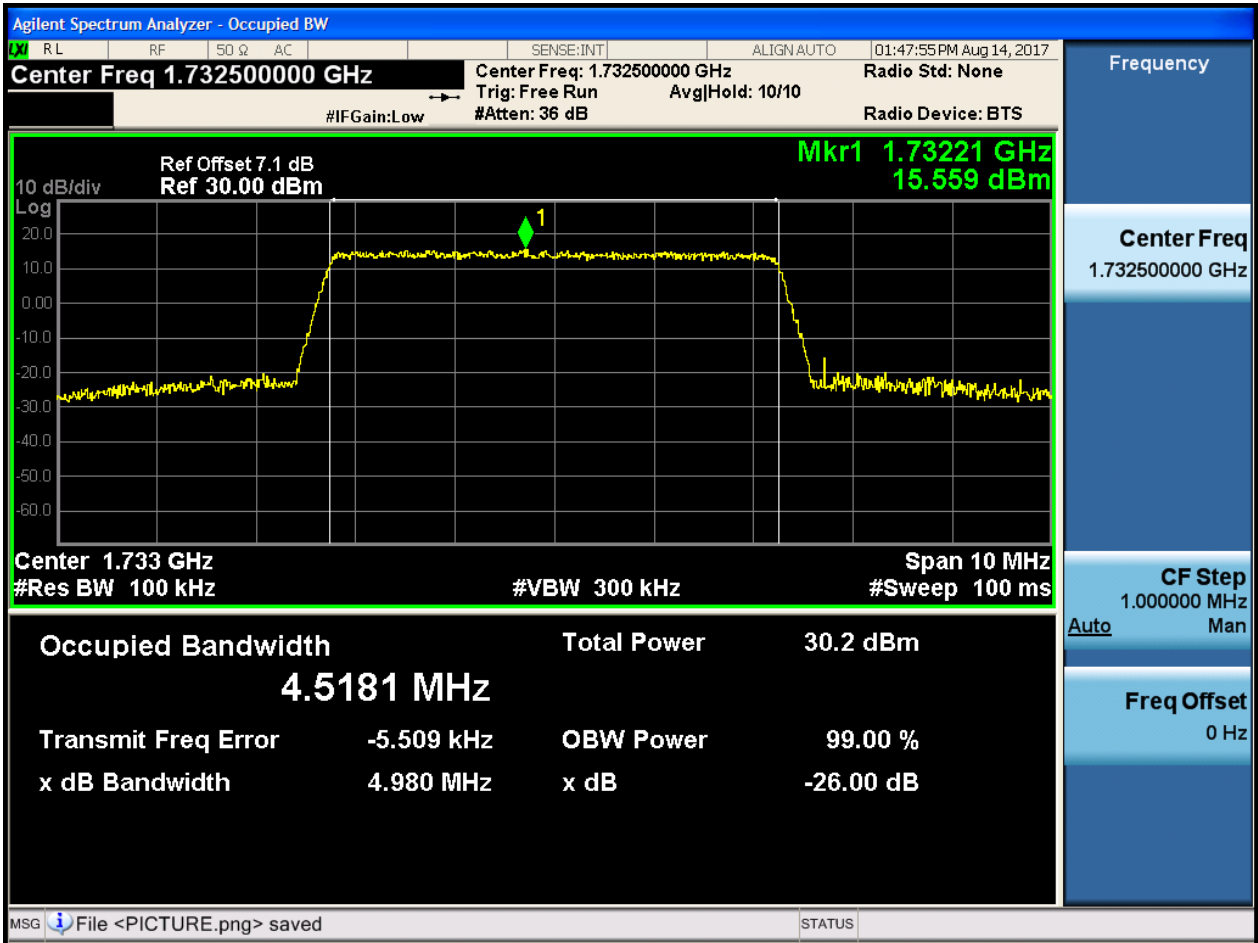
4.1.1.2.3.1.1 Test RB = RB25#0





4.1.1.2.3.2 Test Channel = MCH

4.1.1.2.3.2.1 Test RB = RB25#0

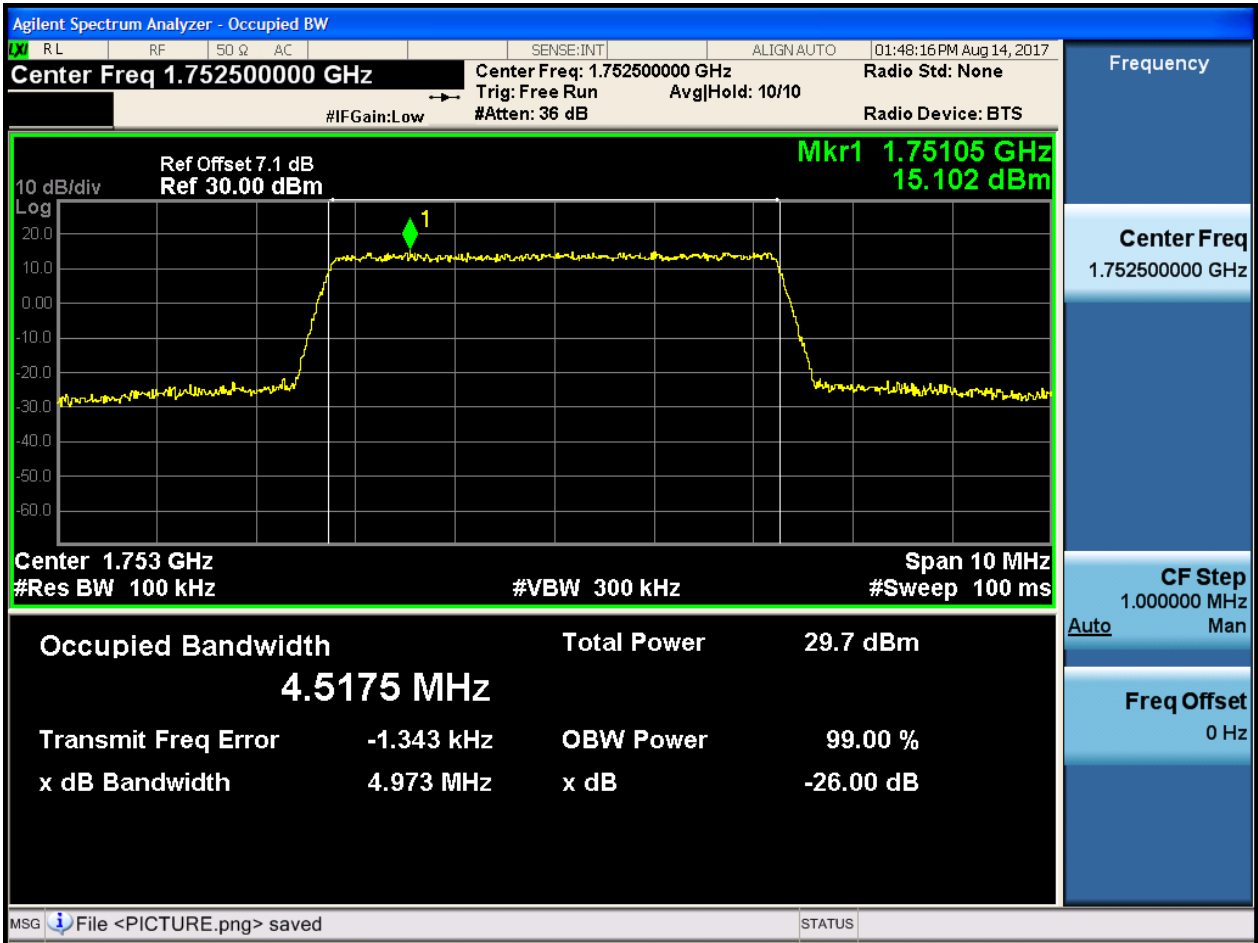






4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

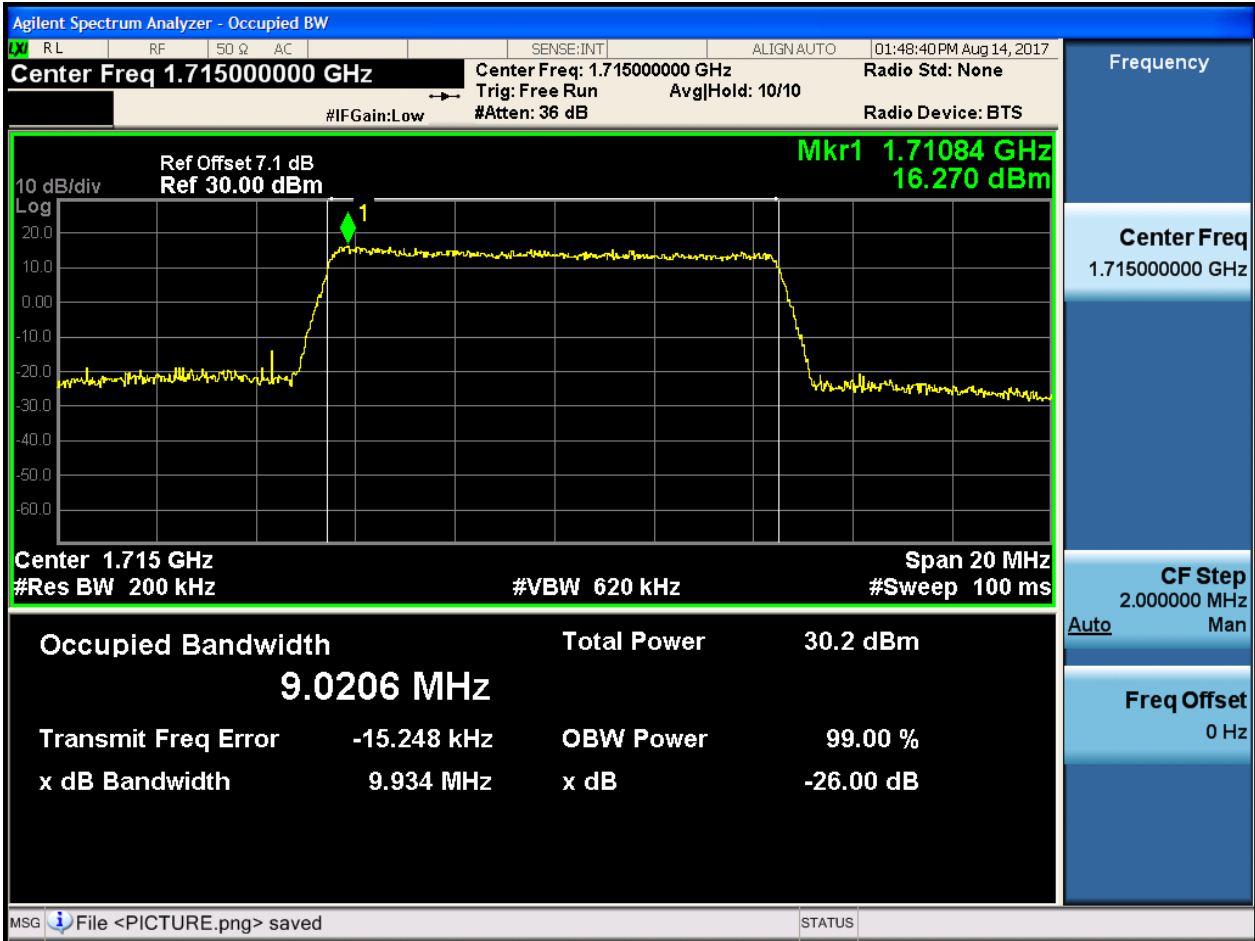




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

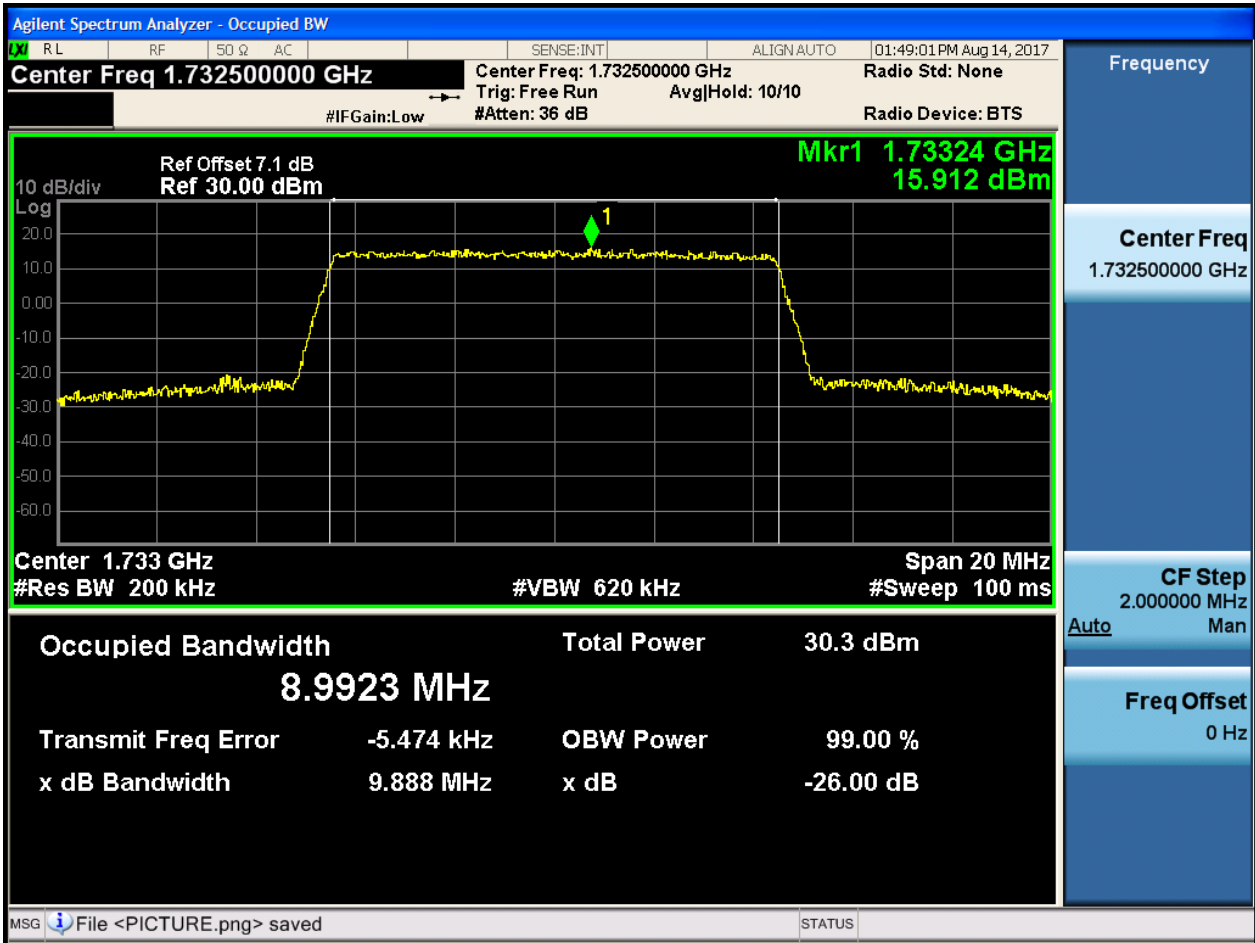
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

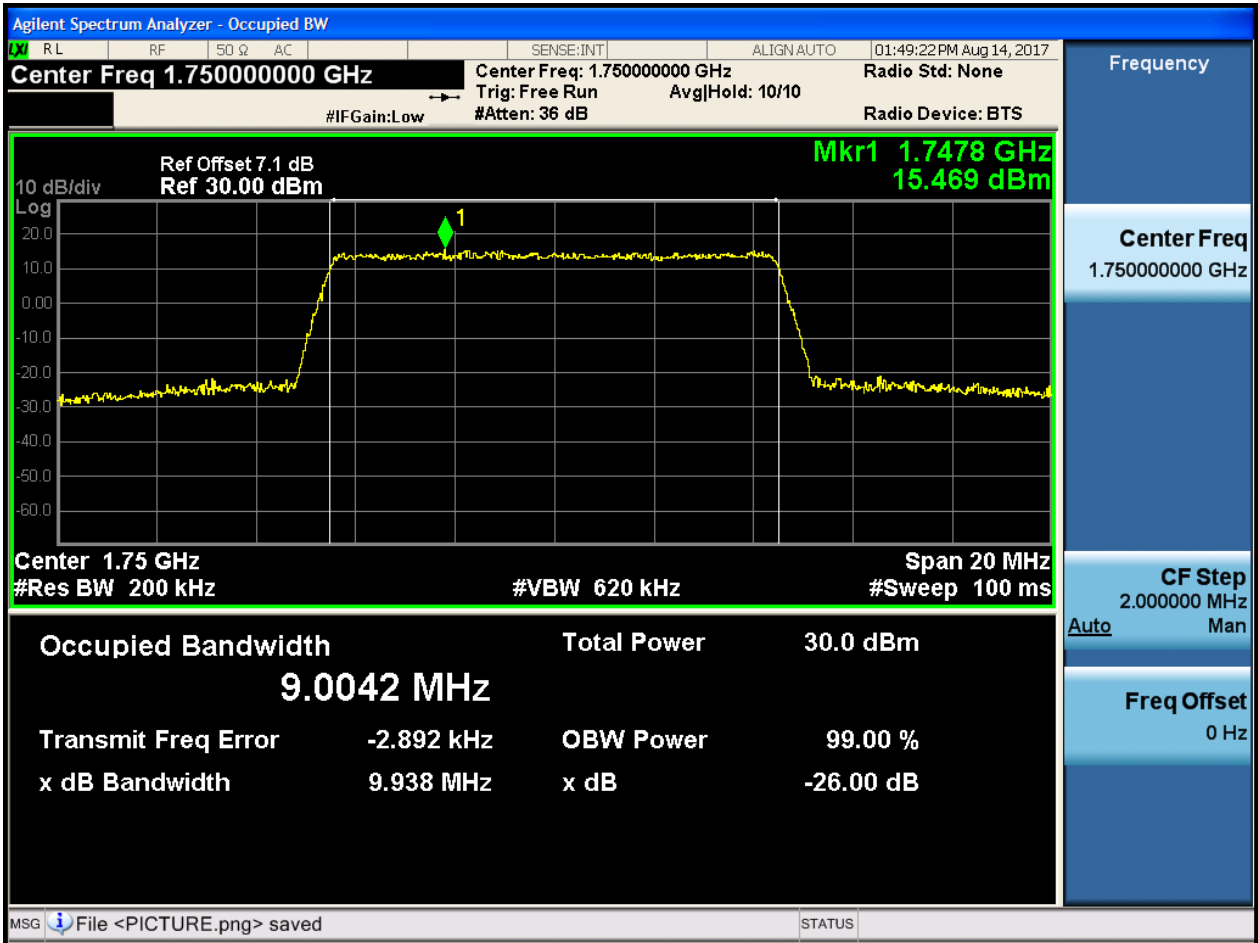
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0

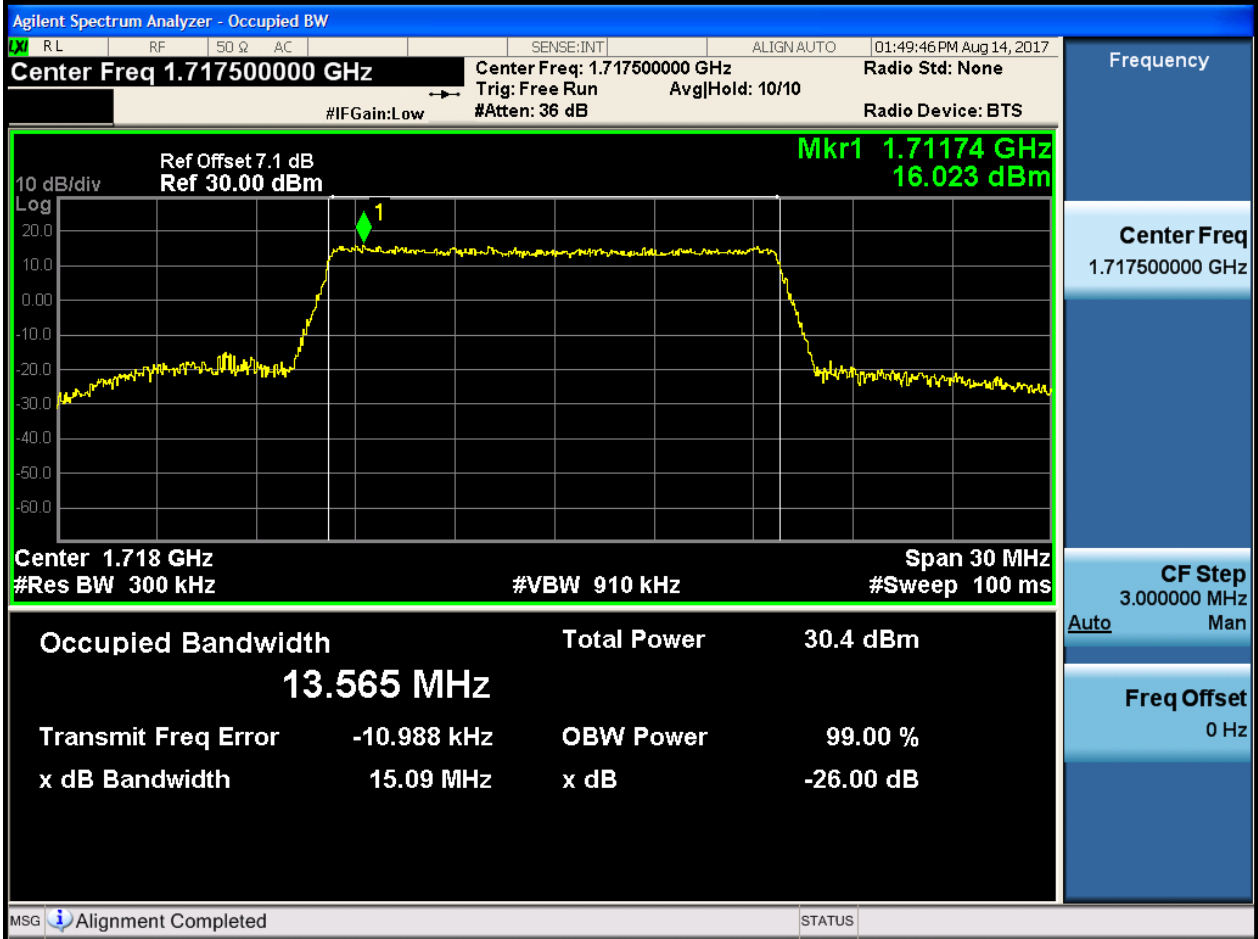




4.1.1.2.5 Test Bandwidth = 15

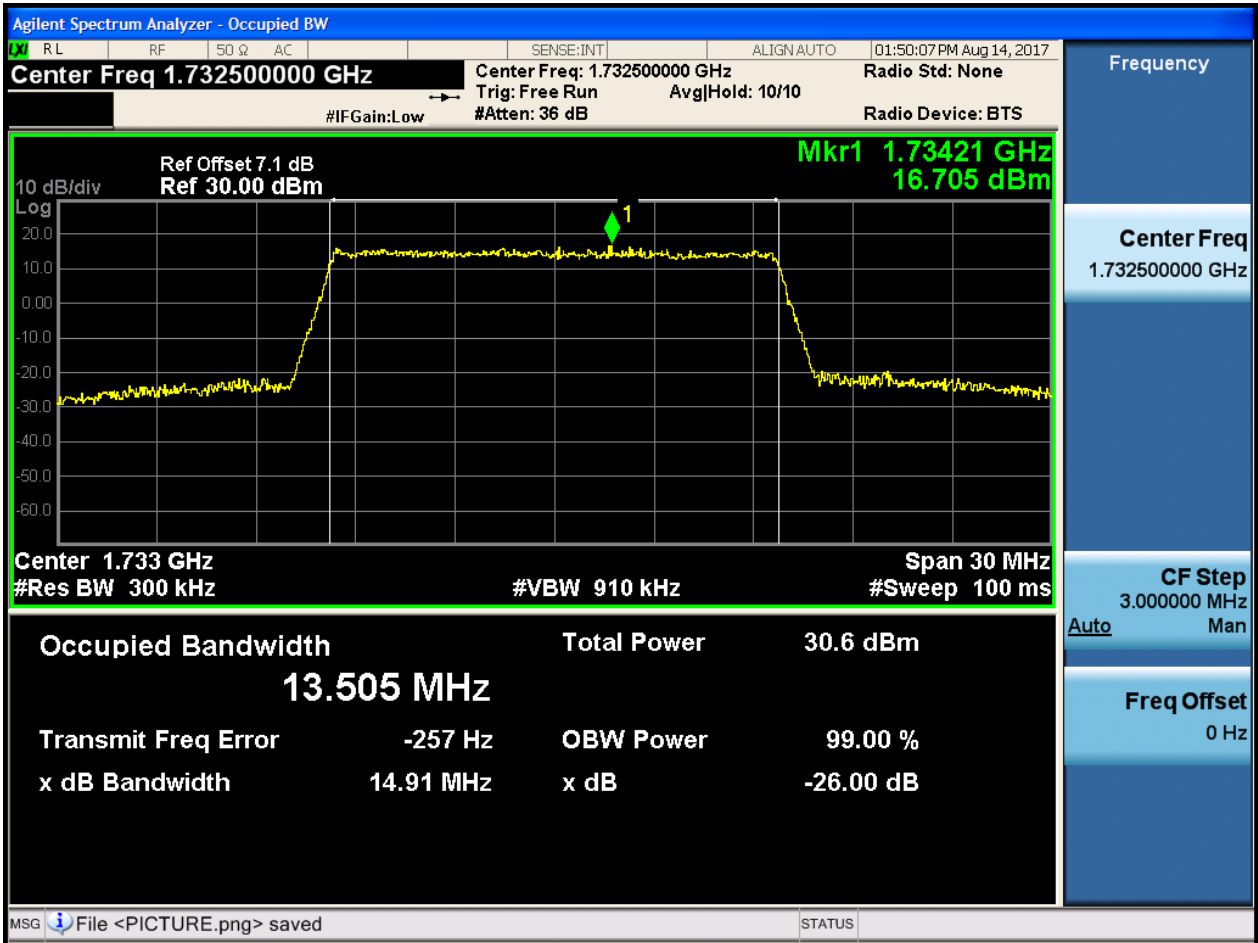
4.1.1.2.5.1 Test Channel = LCH

4.1.1.2.5.1.1 Test RB = RB75#0



4.1.1.2.5.2 Test Channel = MCH

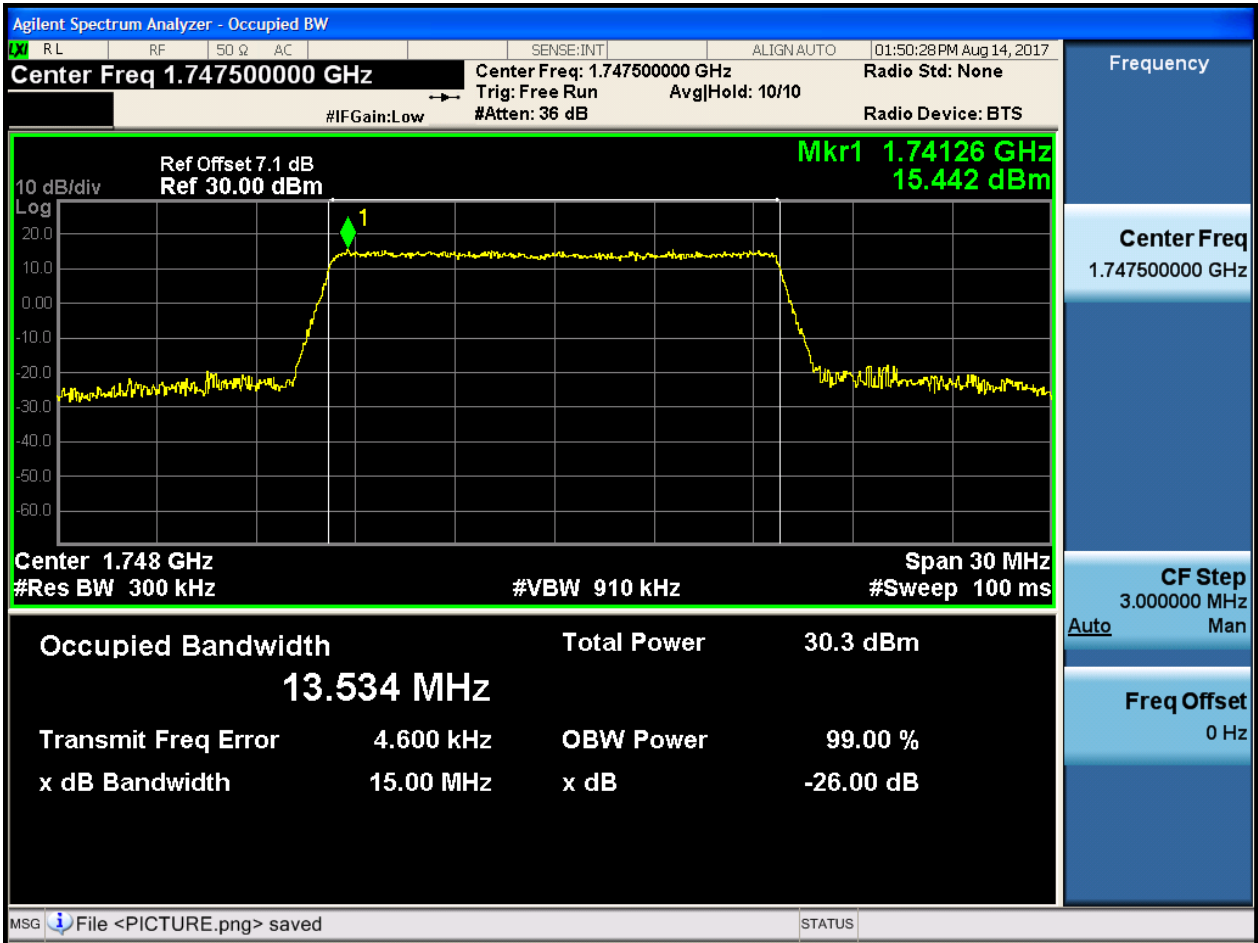
4.1.1.2.5.2.1 Test RB = RB75#0





4.1.1.2.5.3 Test Channel = HCH

4.1.1.2.5.3.1 Test RB = RB75#0

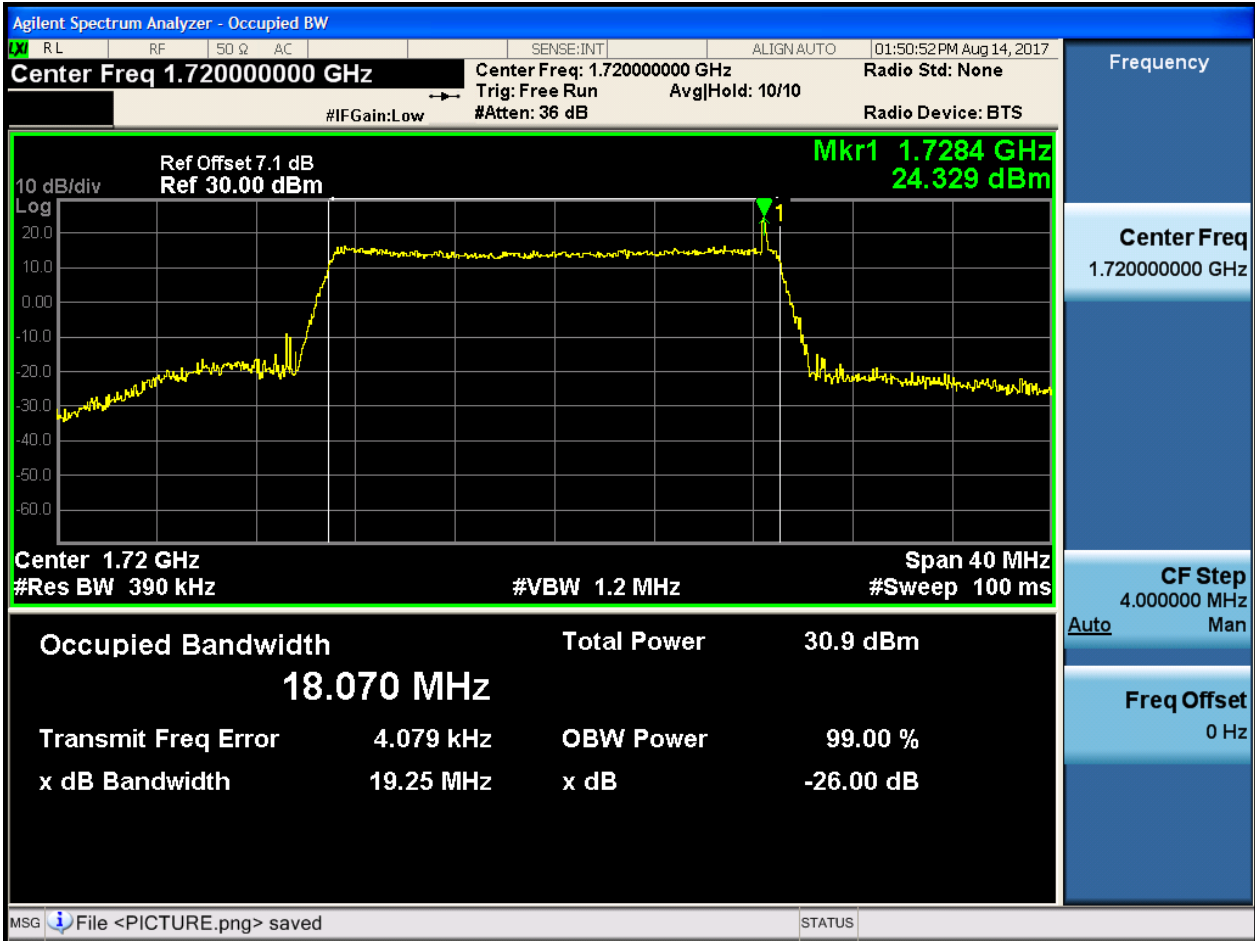




4.1.1.2.6 Test Bandwidth = 20

4.1.1.2.6.1 Test Channel = LCH

4.1.1.2.6.1.1 Test RB = RB100#0

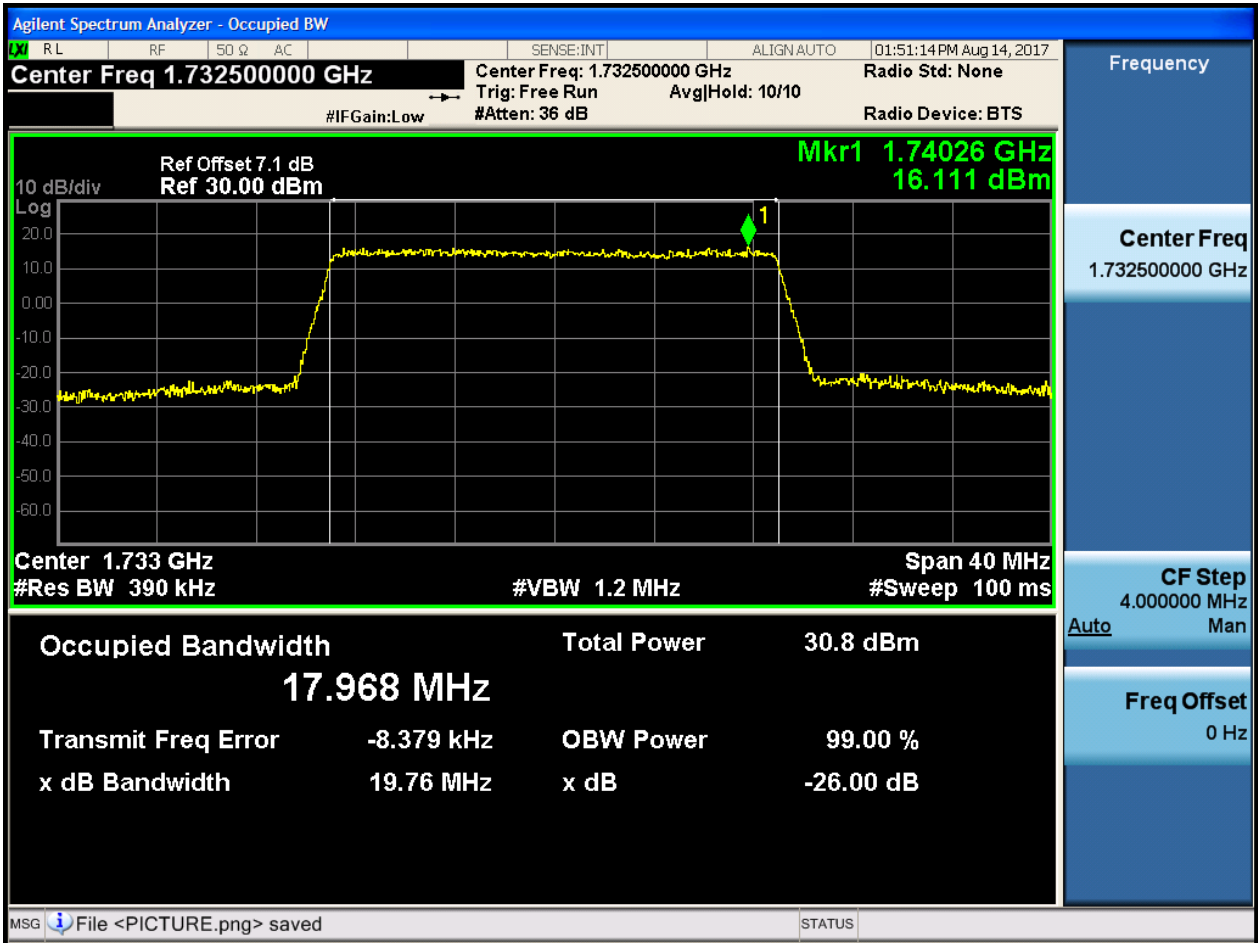






4.1.1.2.6.2 Test Channel = MCH

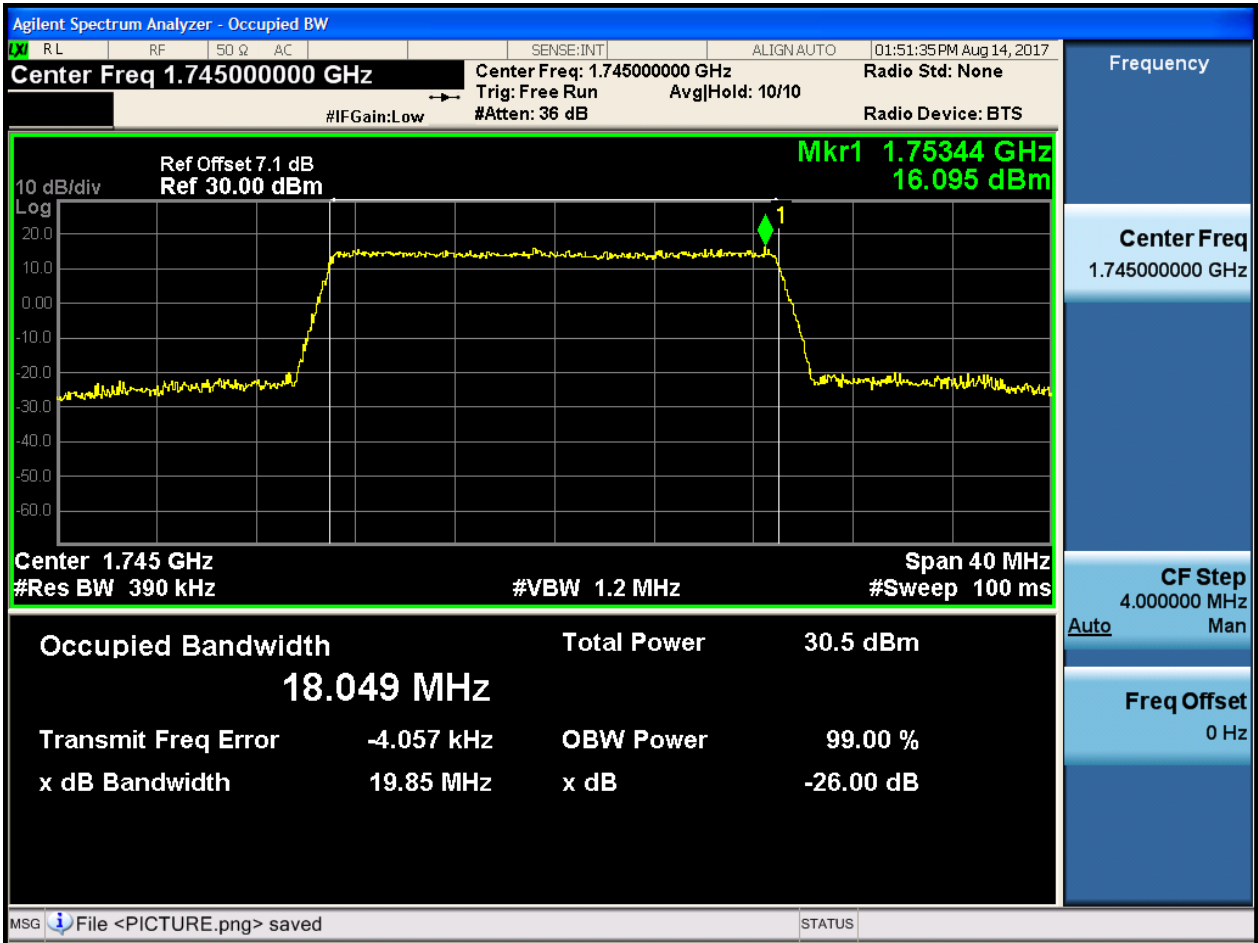
4.1.1.2.6.2.1 Test RB = RB100#0





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

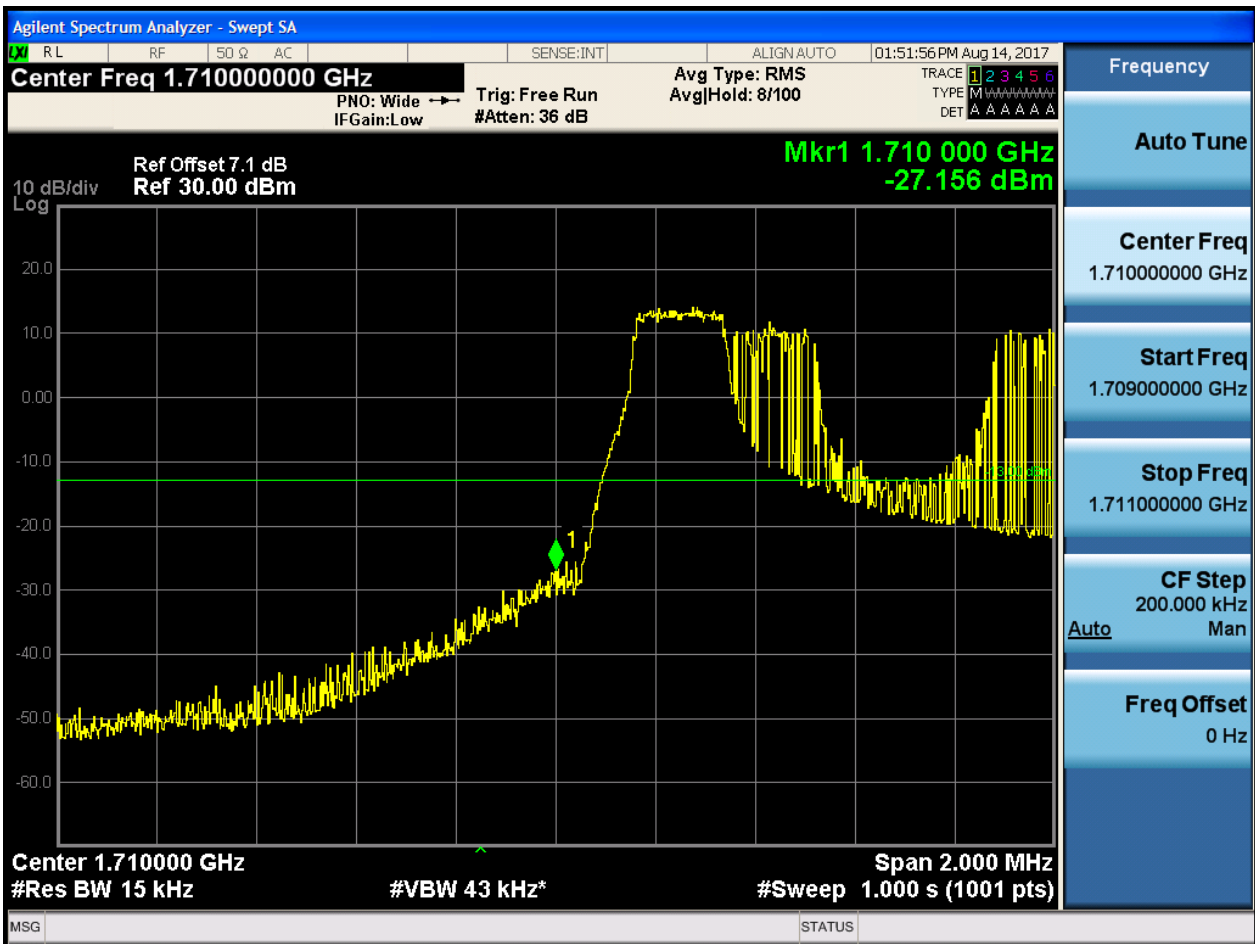
##### 5.1.1 Test Band = BAND4

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

##### 5.1.1.1.1 Test Bandwidth = 1.4

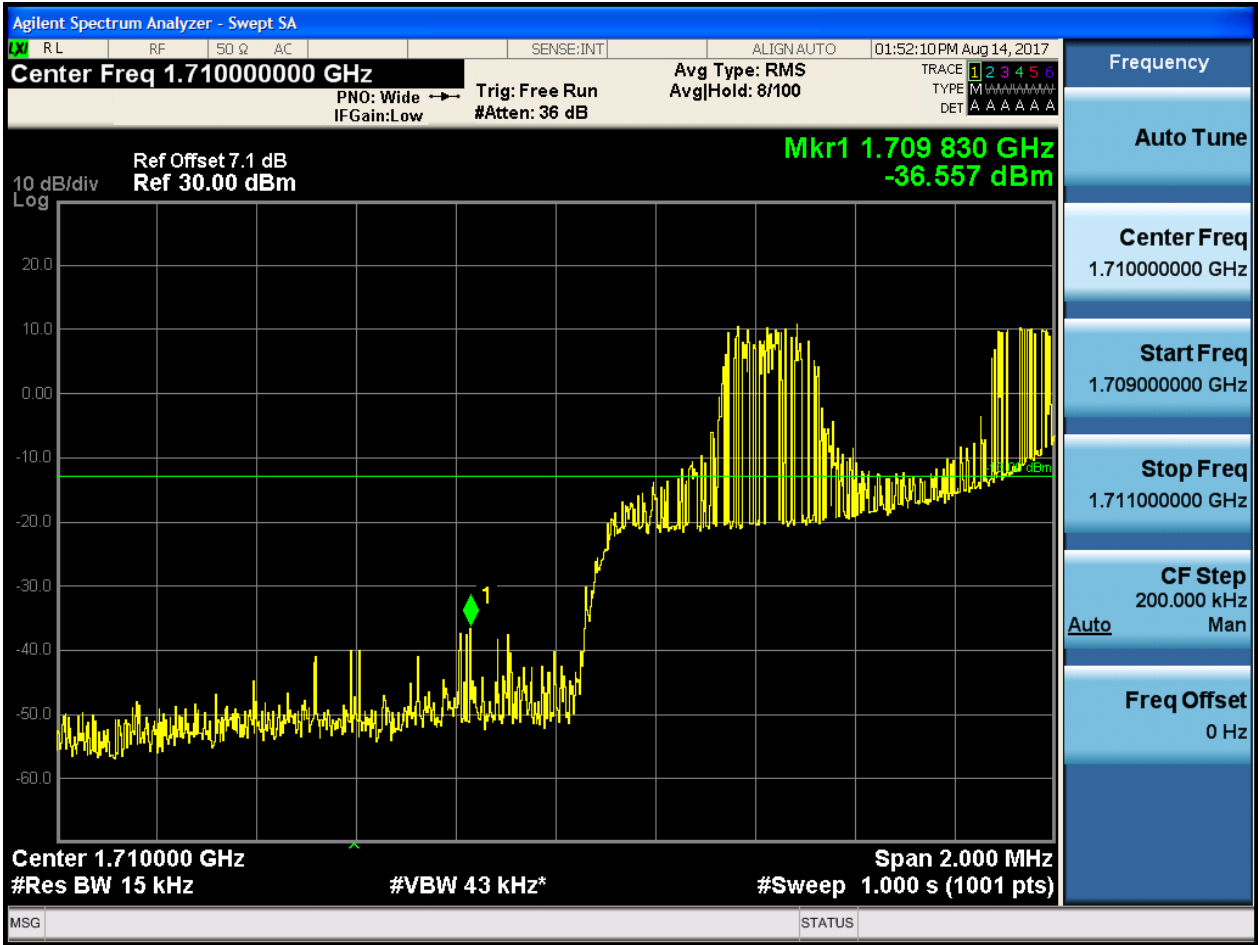
##### 5.1.1.1.1.1 Test Channel = LCH

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





5.1.1.1.1.2 Test RB = RB1#5



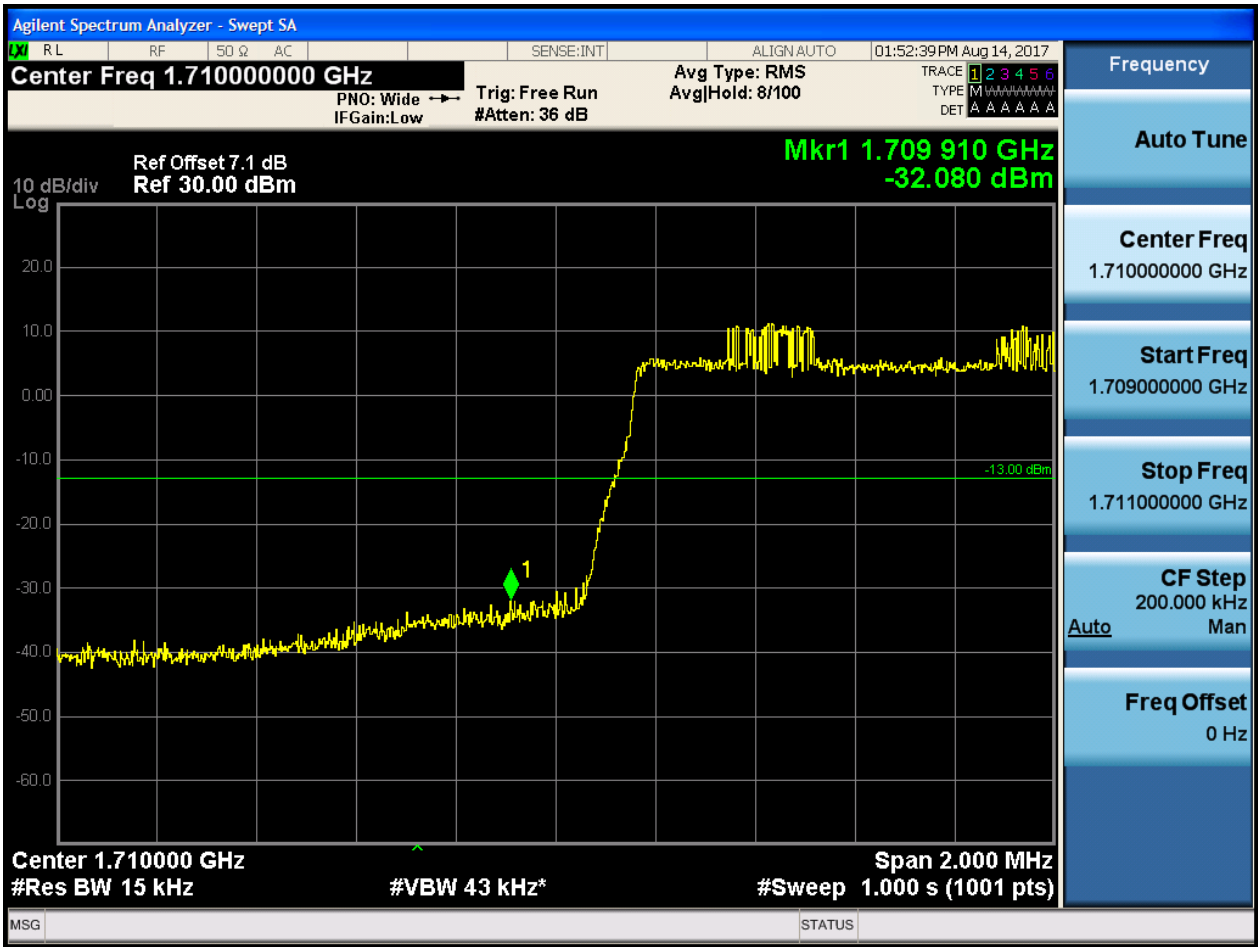


5.1.1.1.1.3 Test RB = RB3#2





5.1.1.1.1.4 Test RB = RB6#0





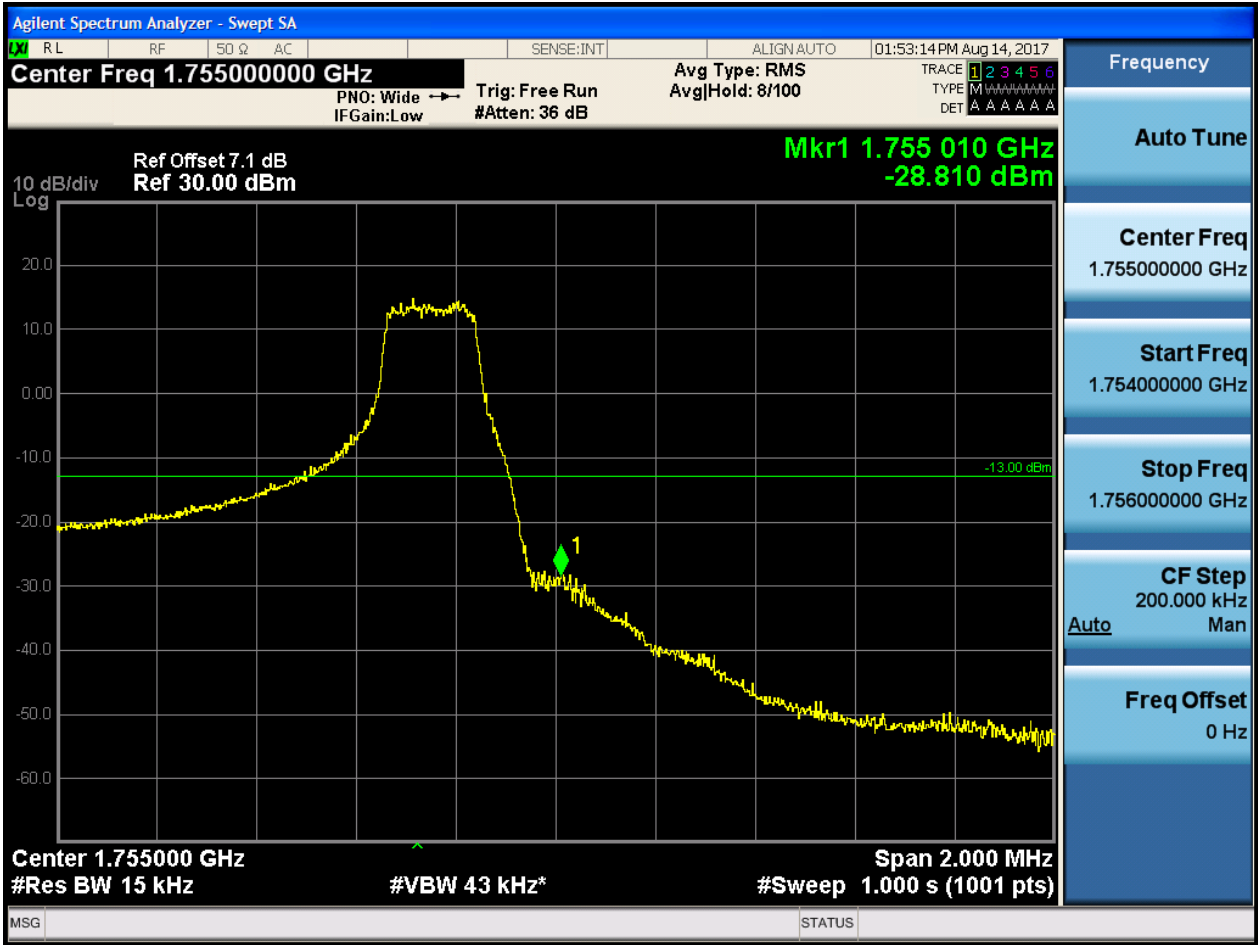
5.1.1.1.2 Test Channel = HCH

5.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.1.2.2 Test RB = RB1#5





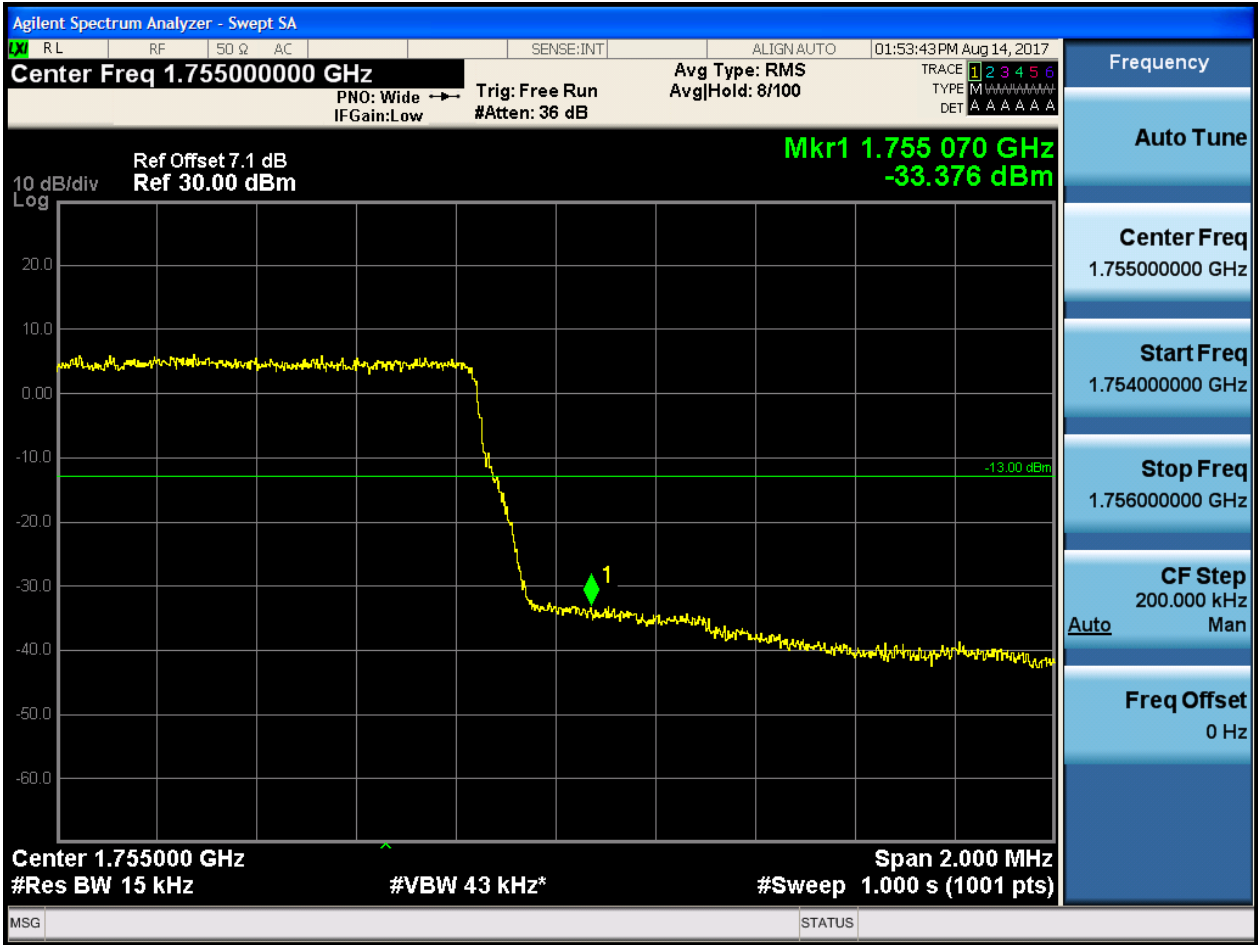


5.1.1.1.1.2.3 Test RB = RB3#2





5.1.1.1.2.4 Test RB = RB6#0

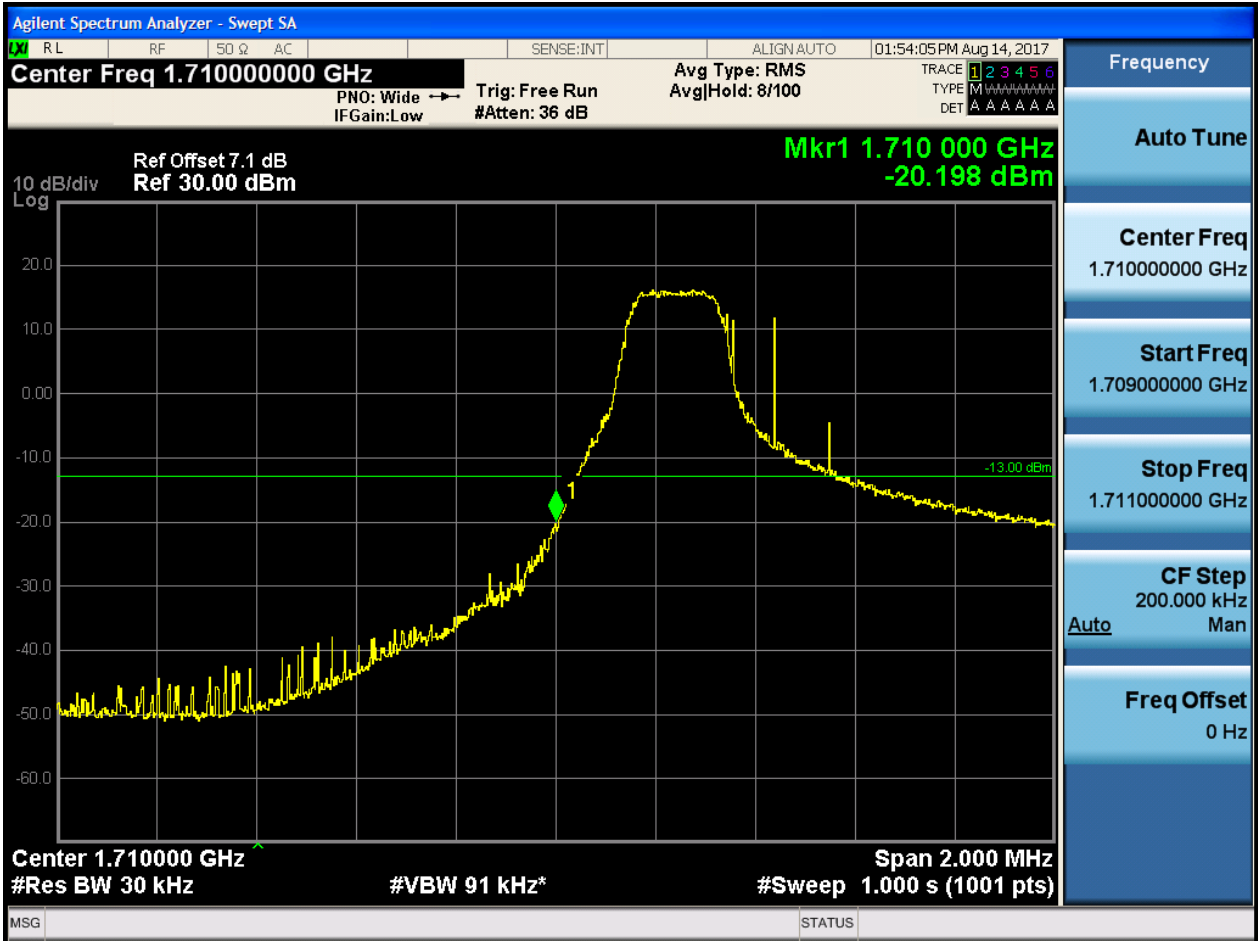




5.1.1.1.2 Test Bandwidth = 3

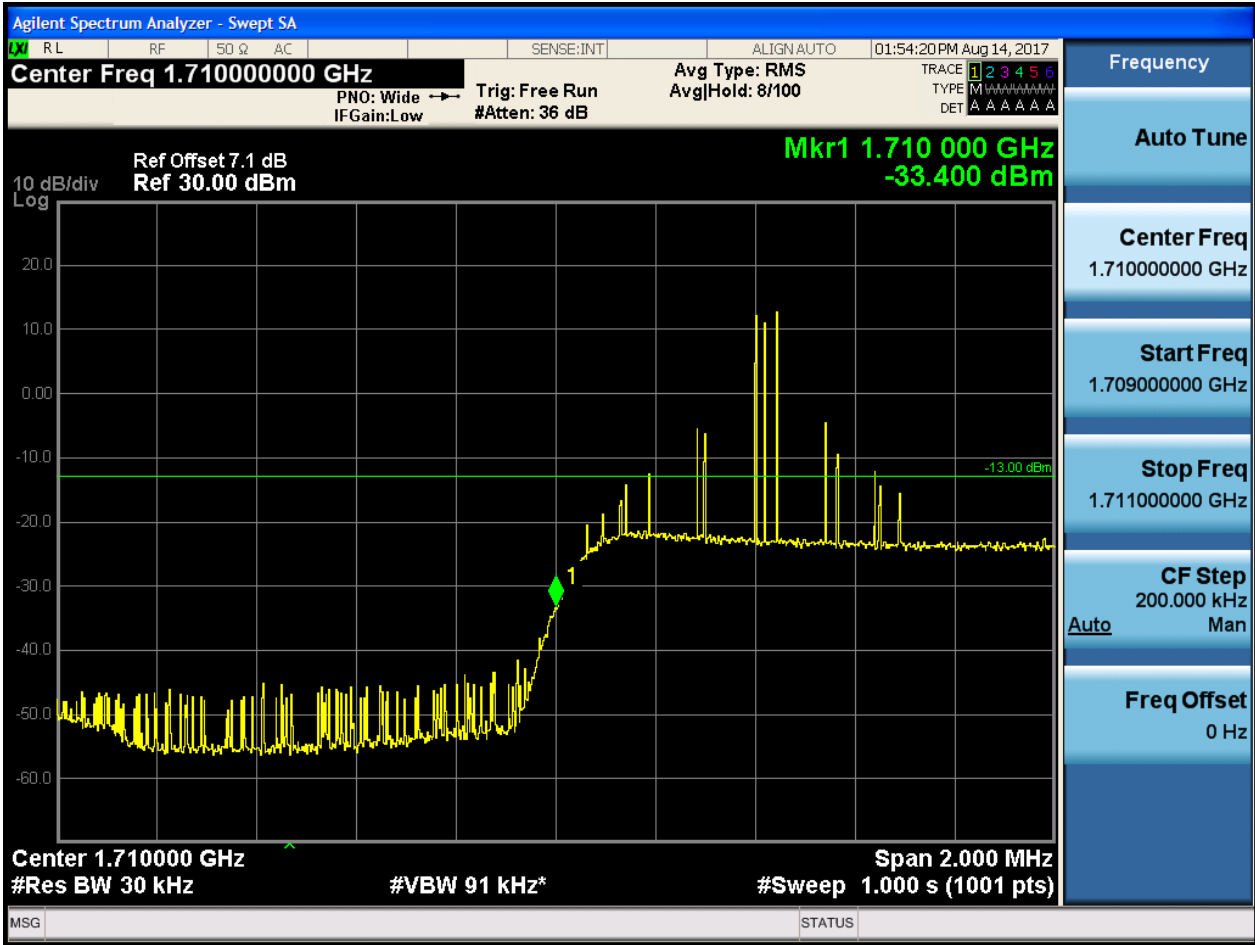
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



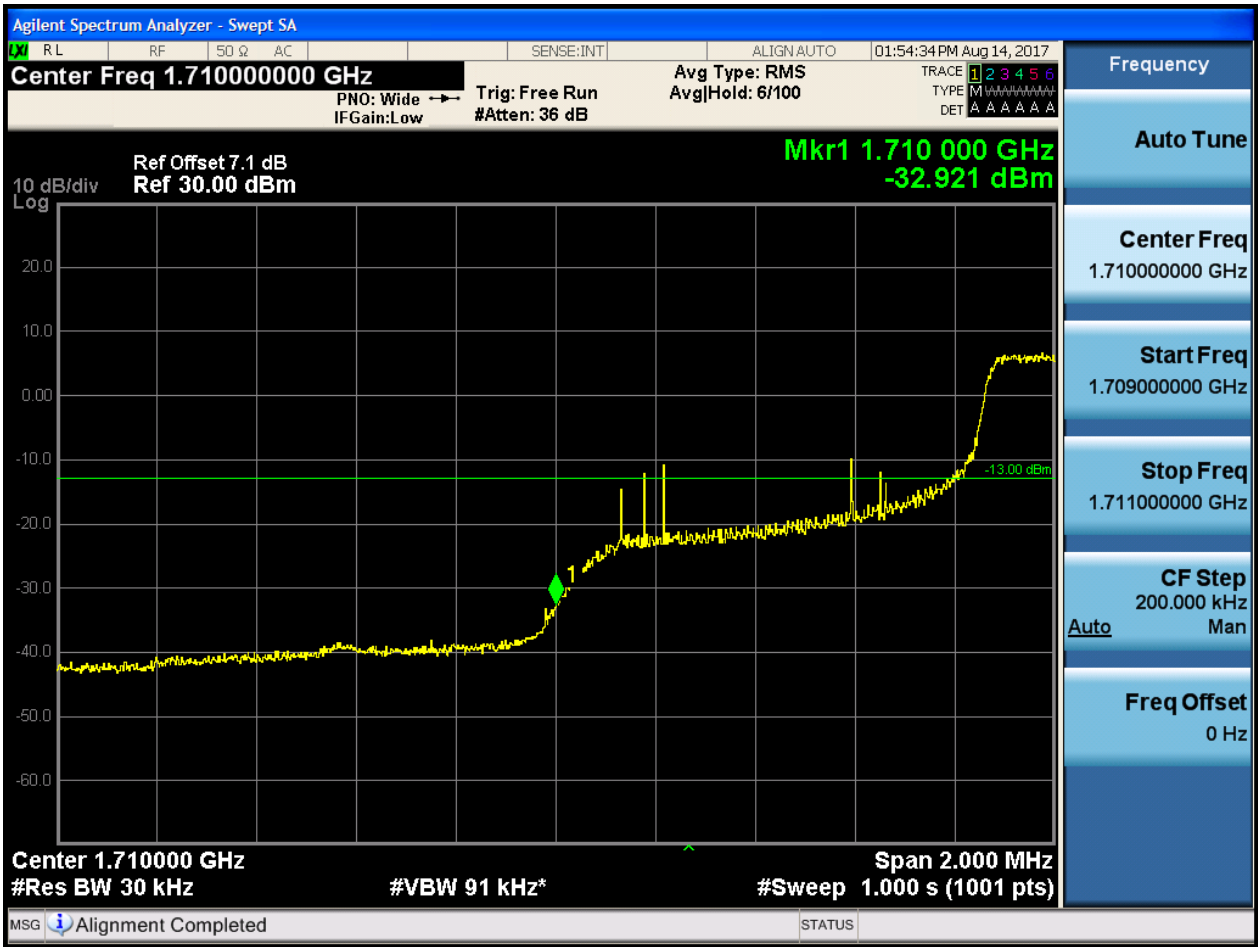


5.1.1.1.2.1.2 Test RB = RB1#14



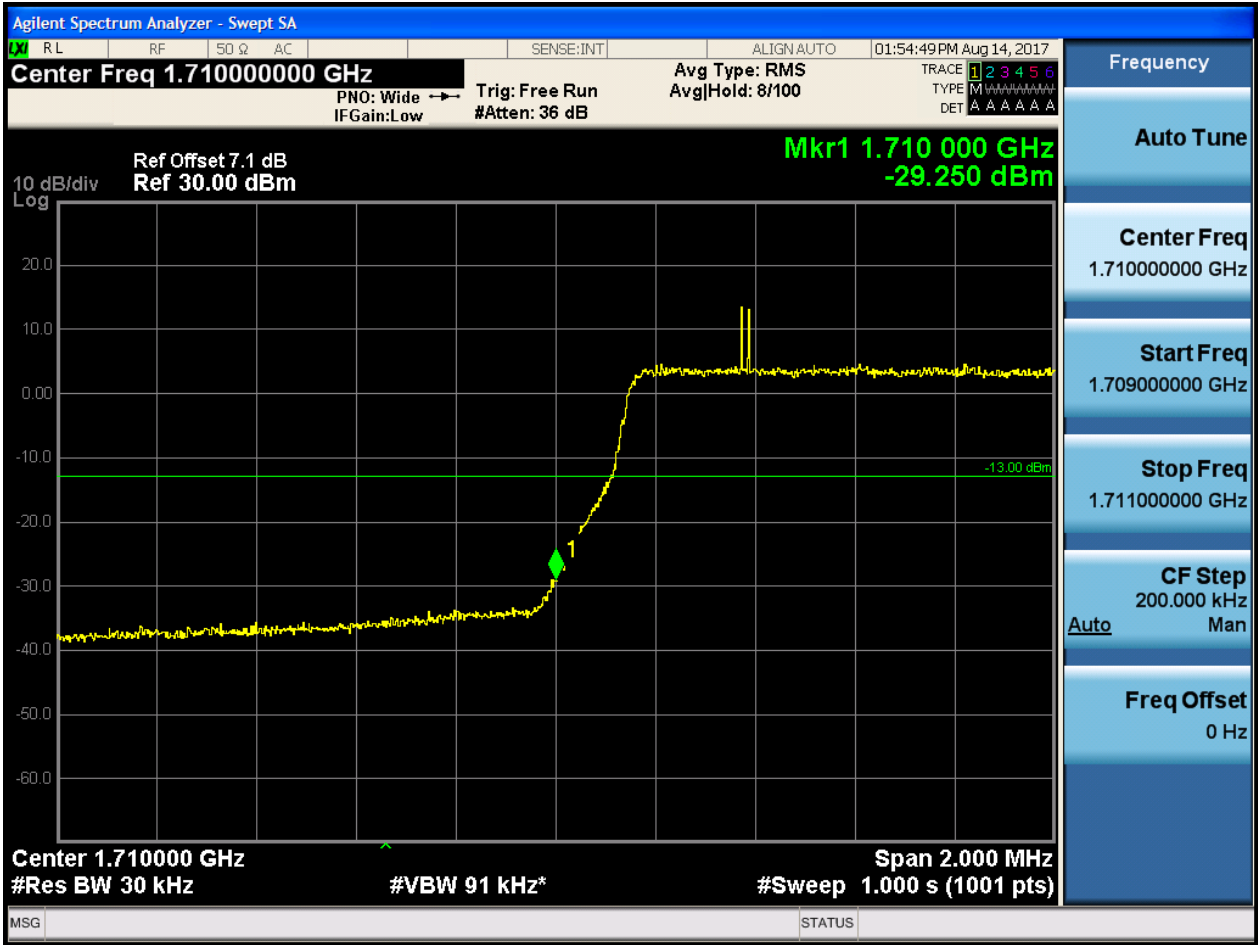


5.1.1.1.2.1.3 Test RB = RB#4





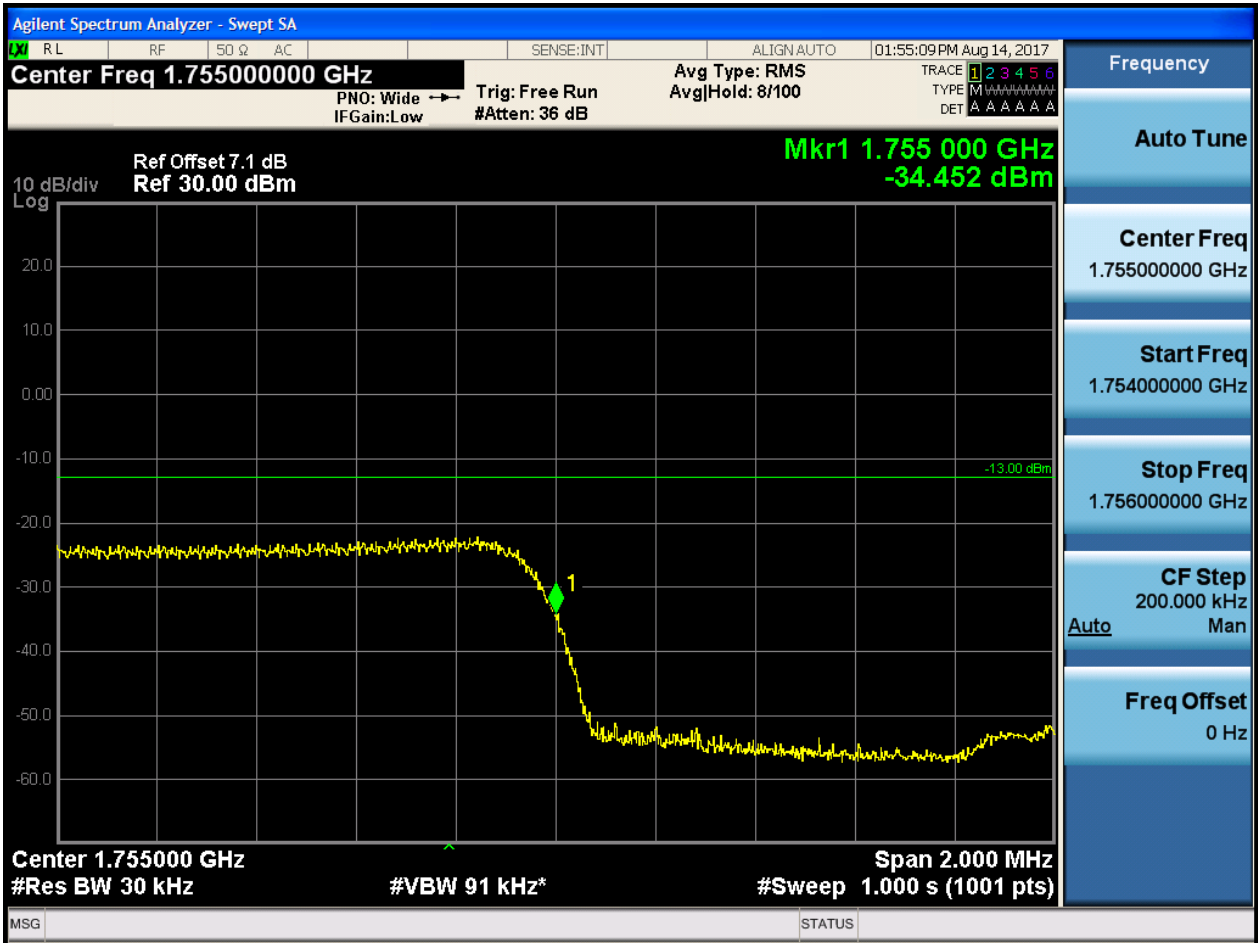
5.1.1.1.2.1.4 Test RB = RB15#0





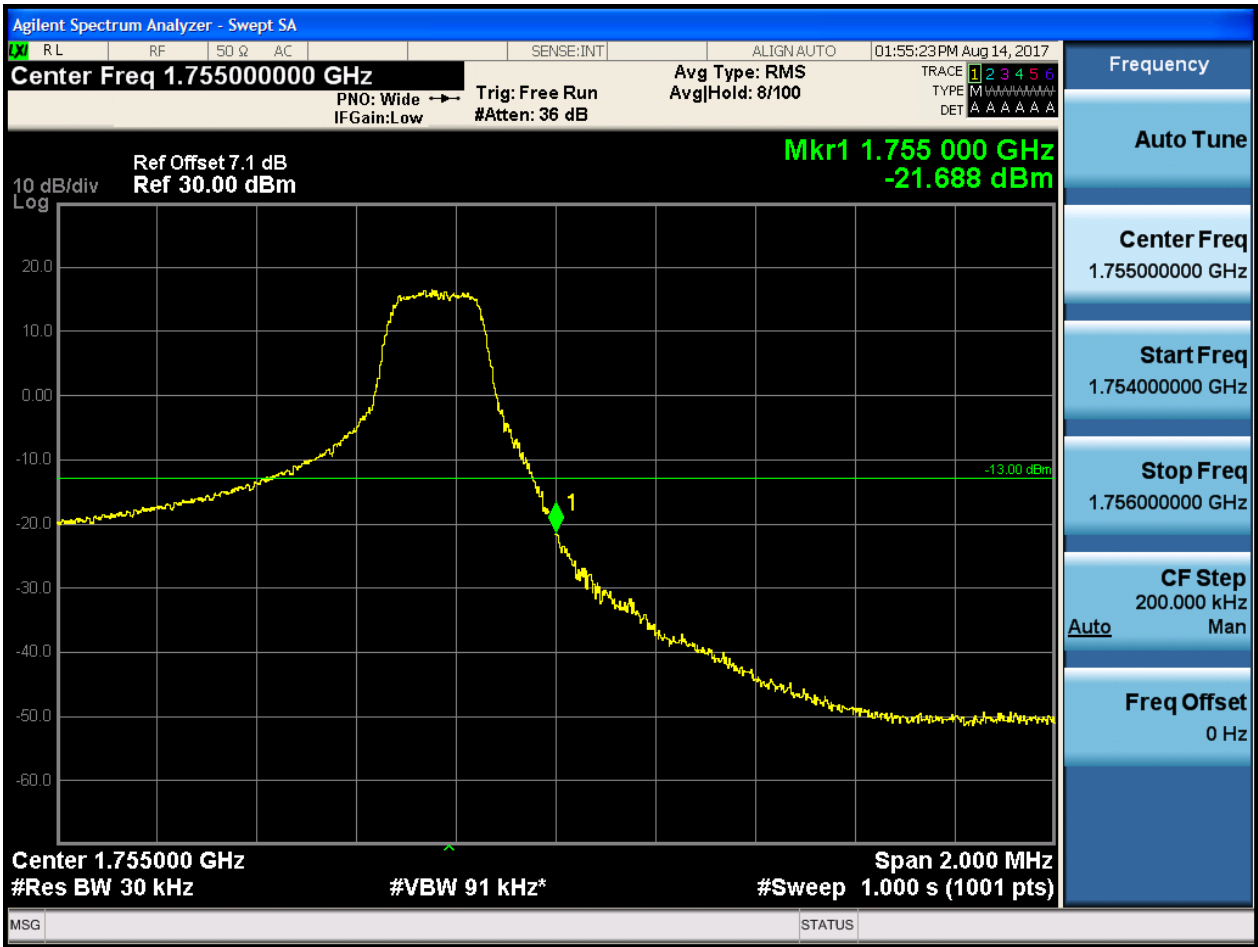
5.1.1.1.2.2 Test Channel = HCH

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

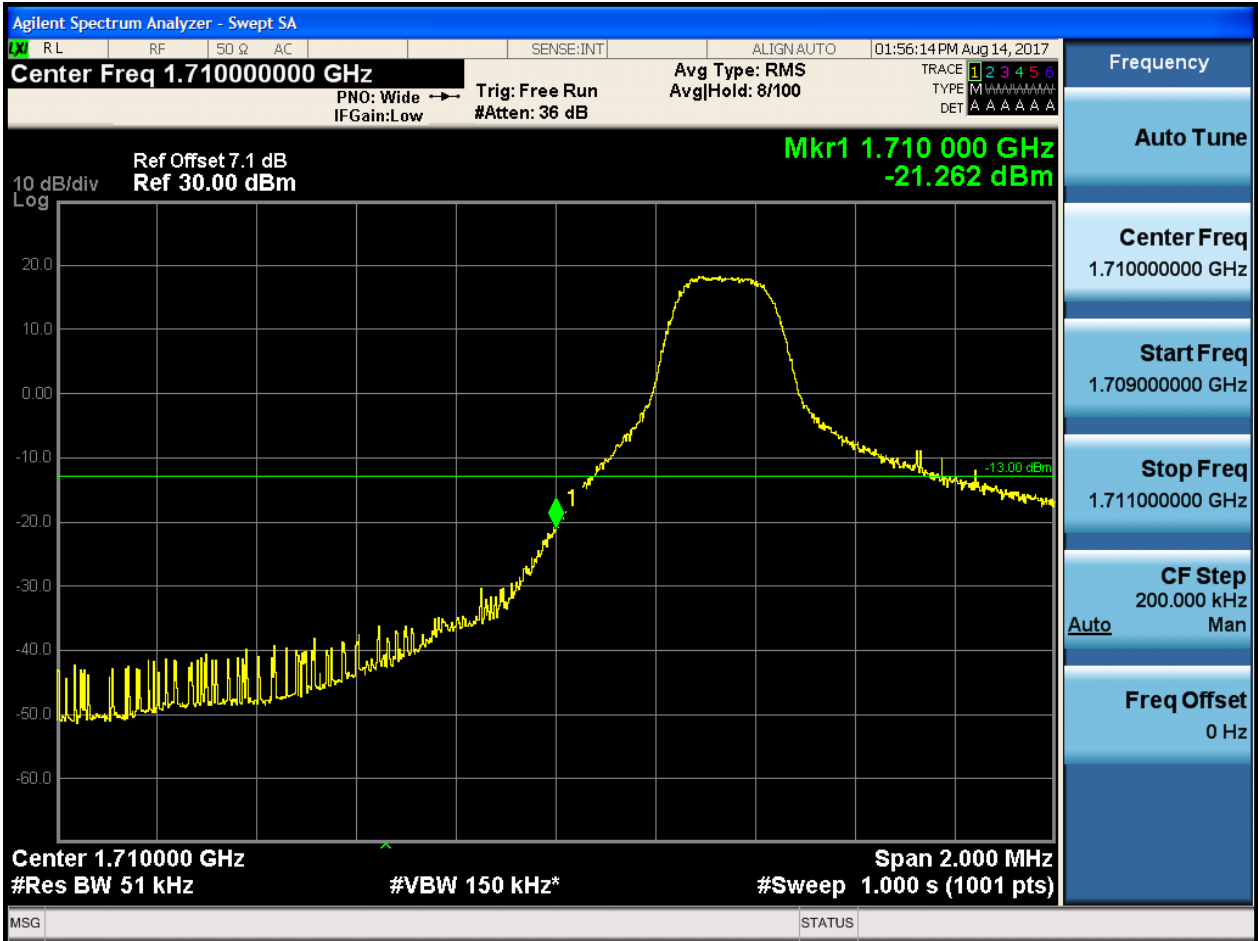




5.1.1.1.3 Test Bandwidth = 5

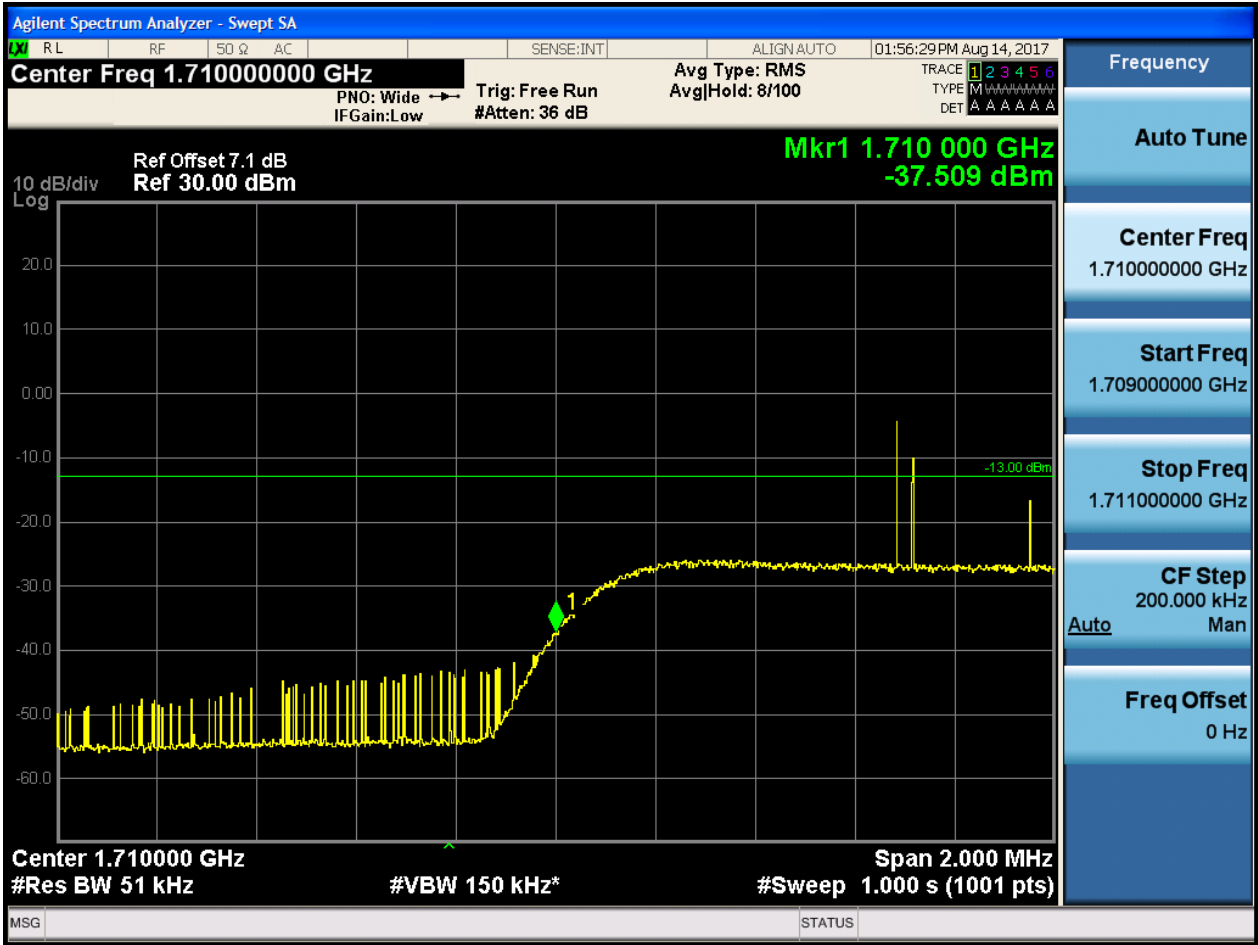
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0



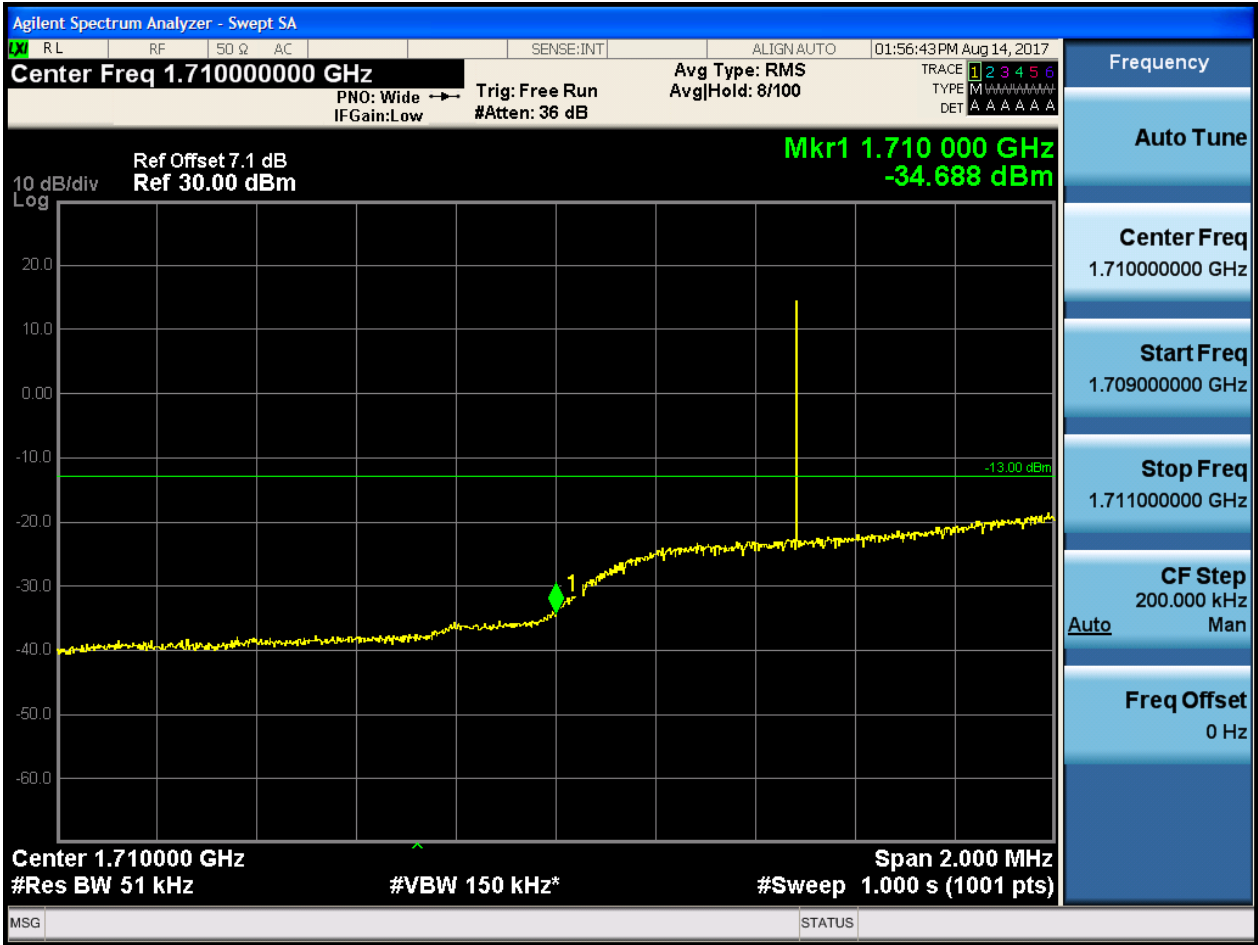


5.1.1.1.3.1.2 Test RB = RB1#24



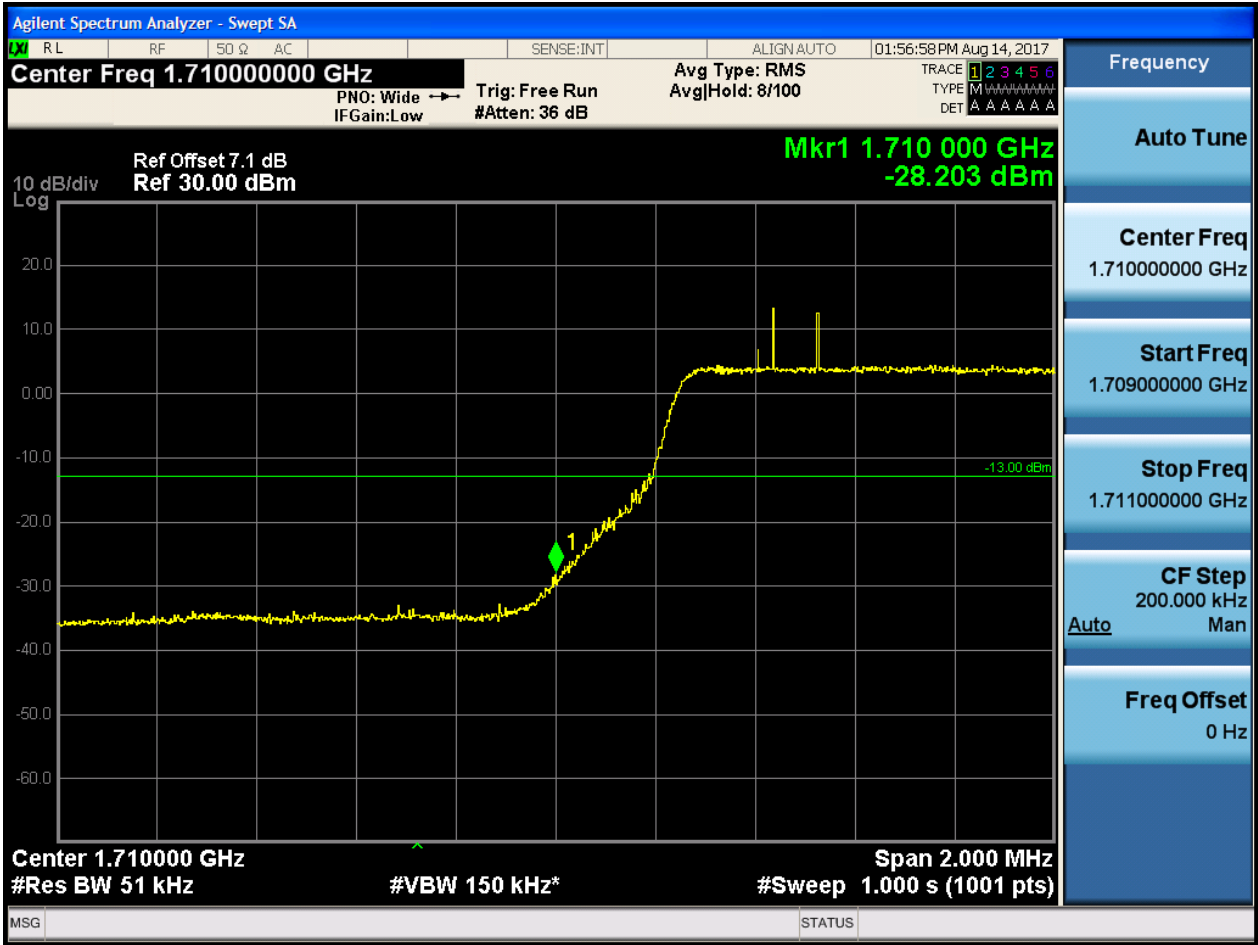


5.1.1.1.3.1.3 Test RB = RB12#6





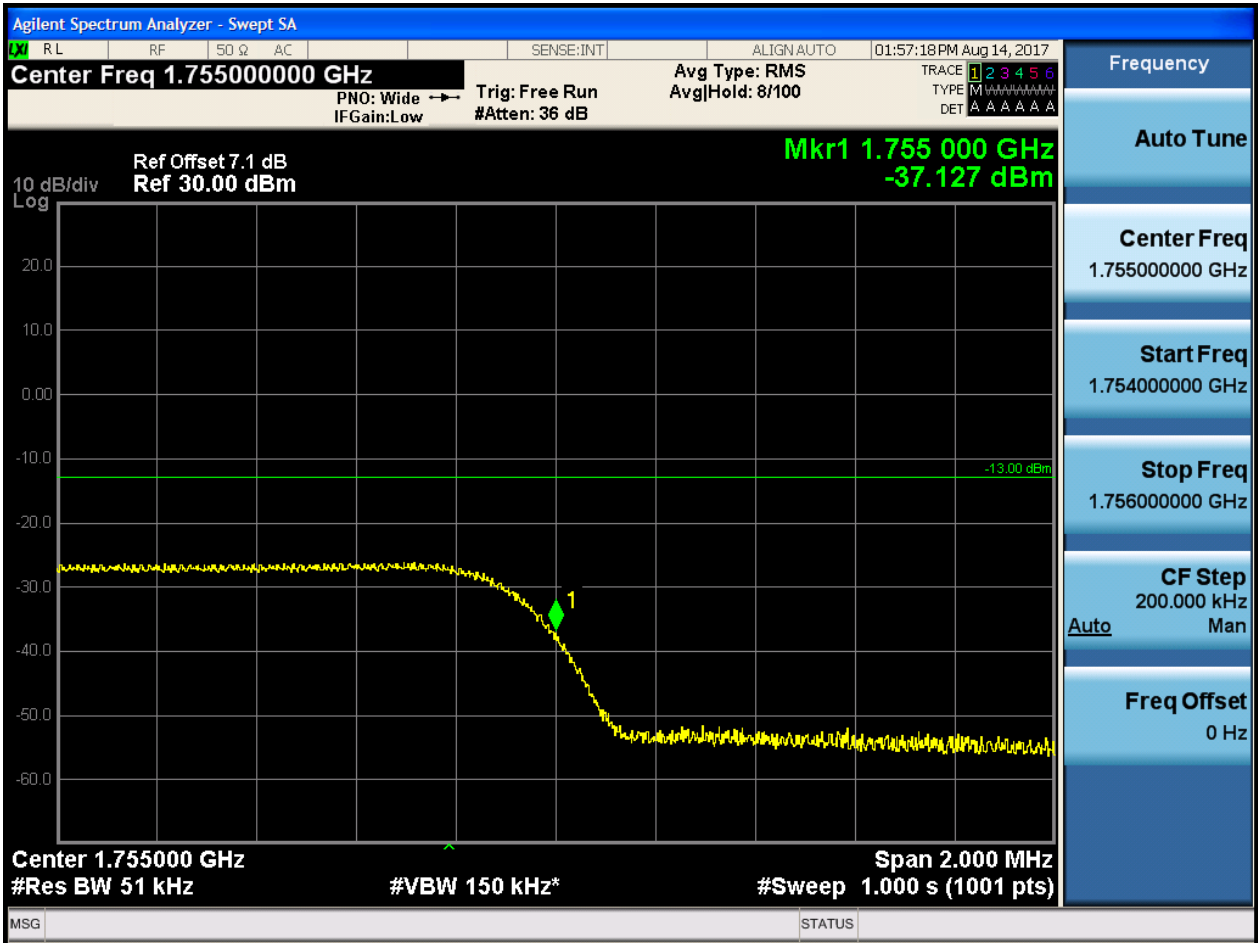
5.1.1.1.3.1.4 Test RB = RB25#0





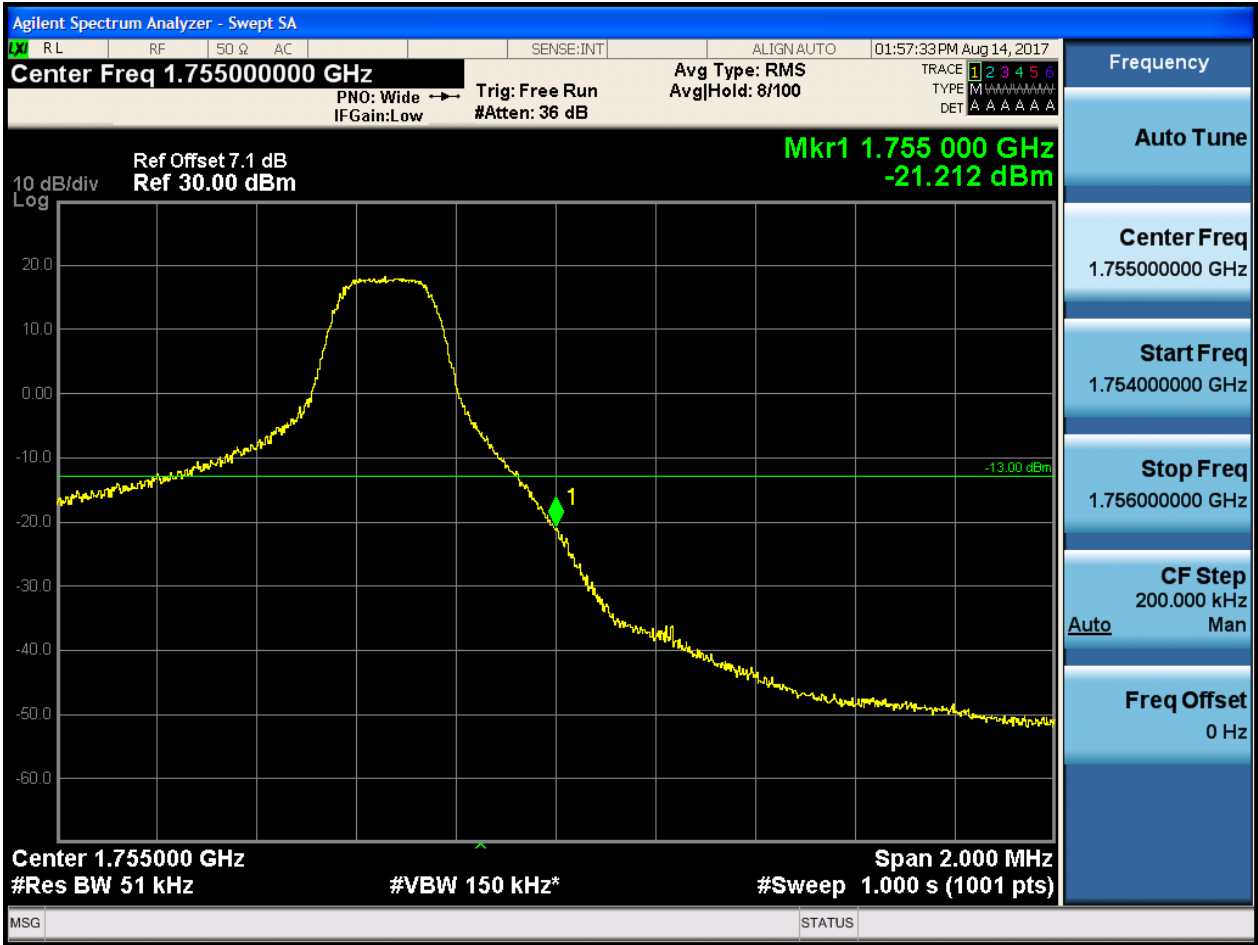
5.1.1.1.3.2 Test Channel = HCH

5.1.1.1.3.2.1 Test RB = RB1#0





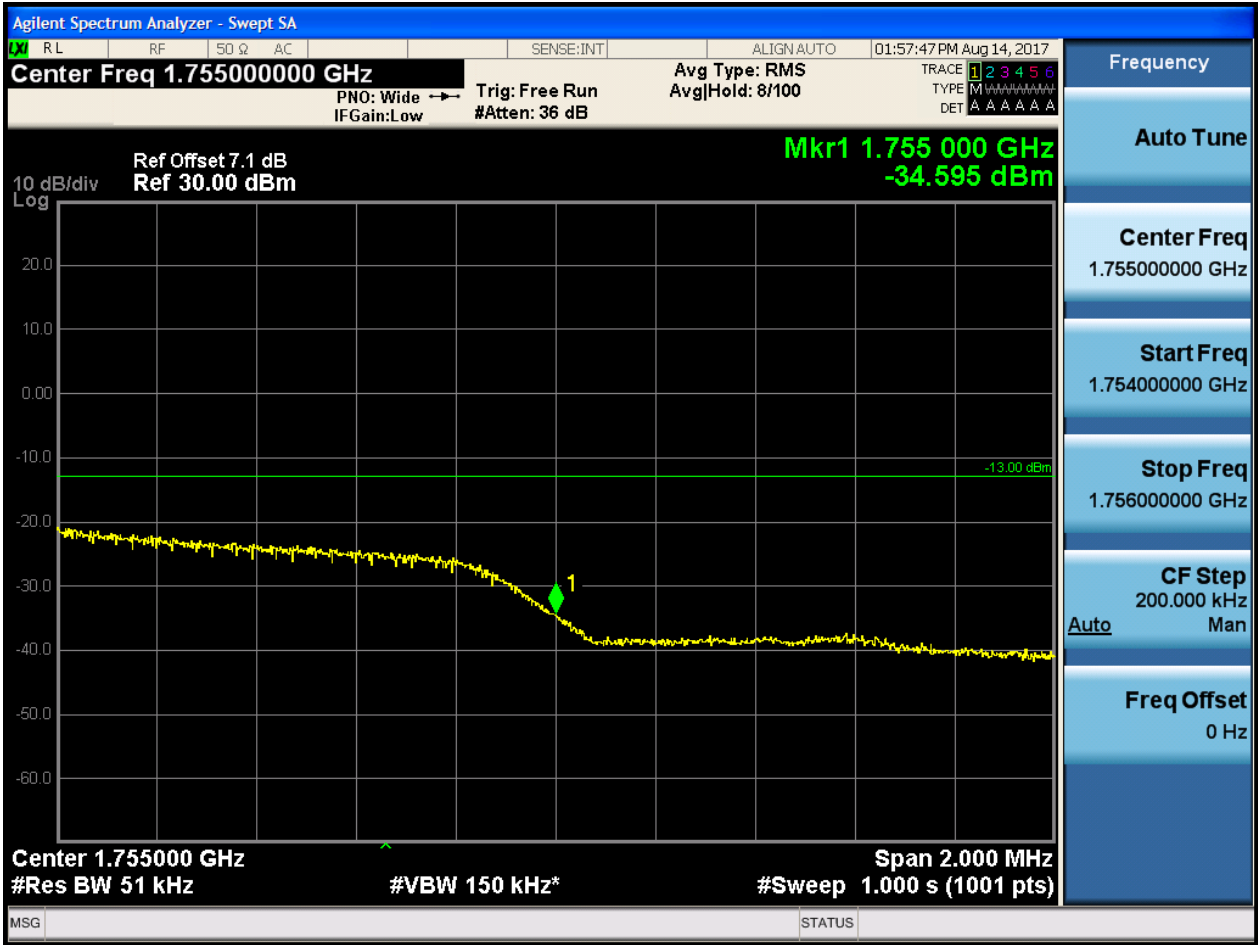
5.1.1.1.3.2.2 Test RB = RB1#24







5.1.1.1.3.2.3 Test RB = RB12#6





5.1.1.1.3.2.4 Test RB = RB25#0

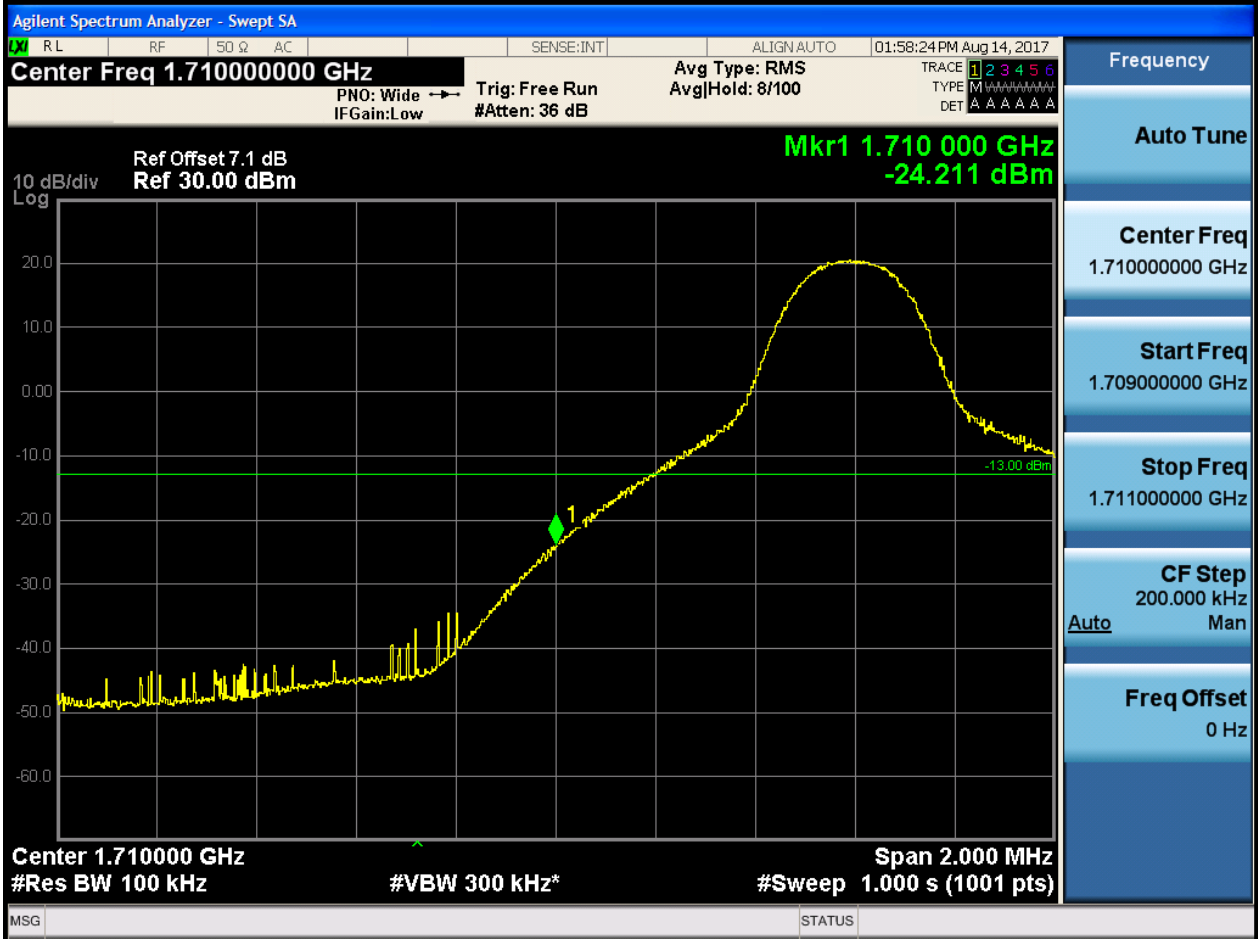




5.1.1.1.4 Test Bandwidth = 10

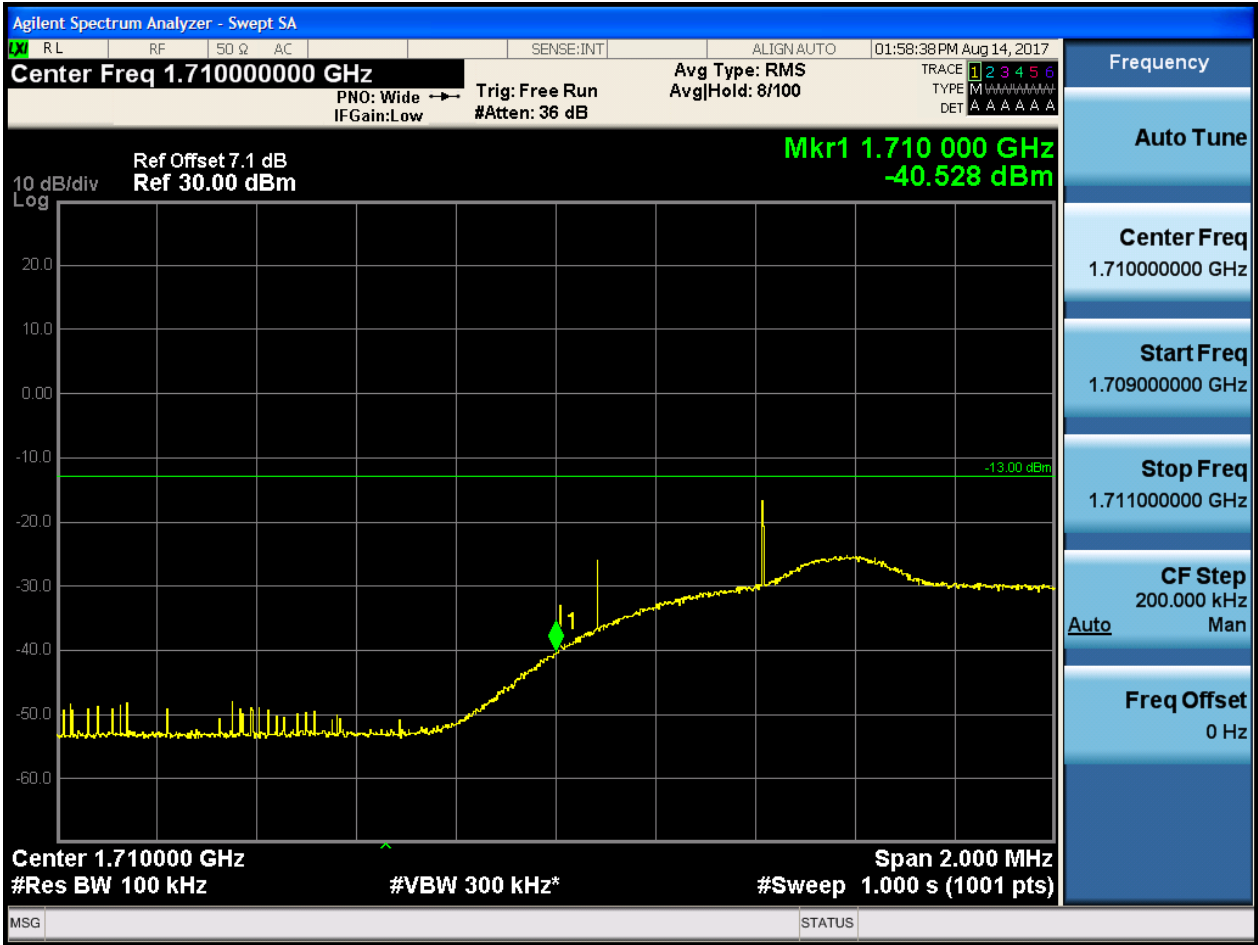
5.1.1.1.4.1 Test Channel = LCH

5.1.1.1.4.1.1 Test RB = RB1#0



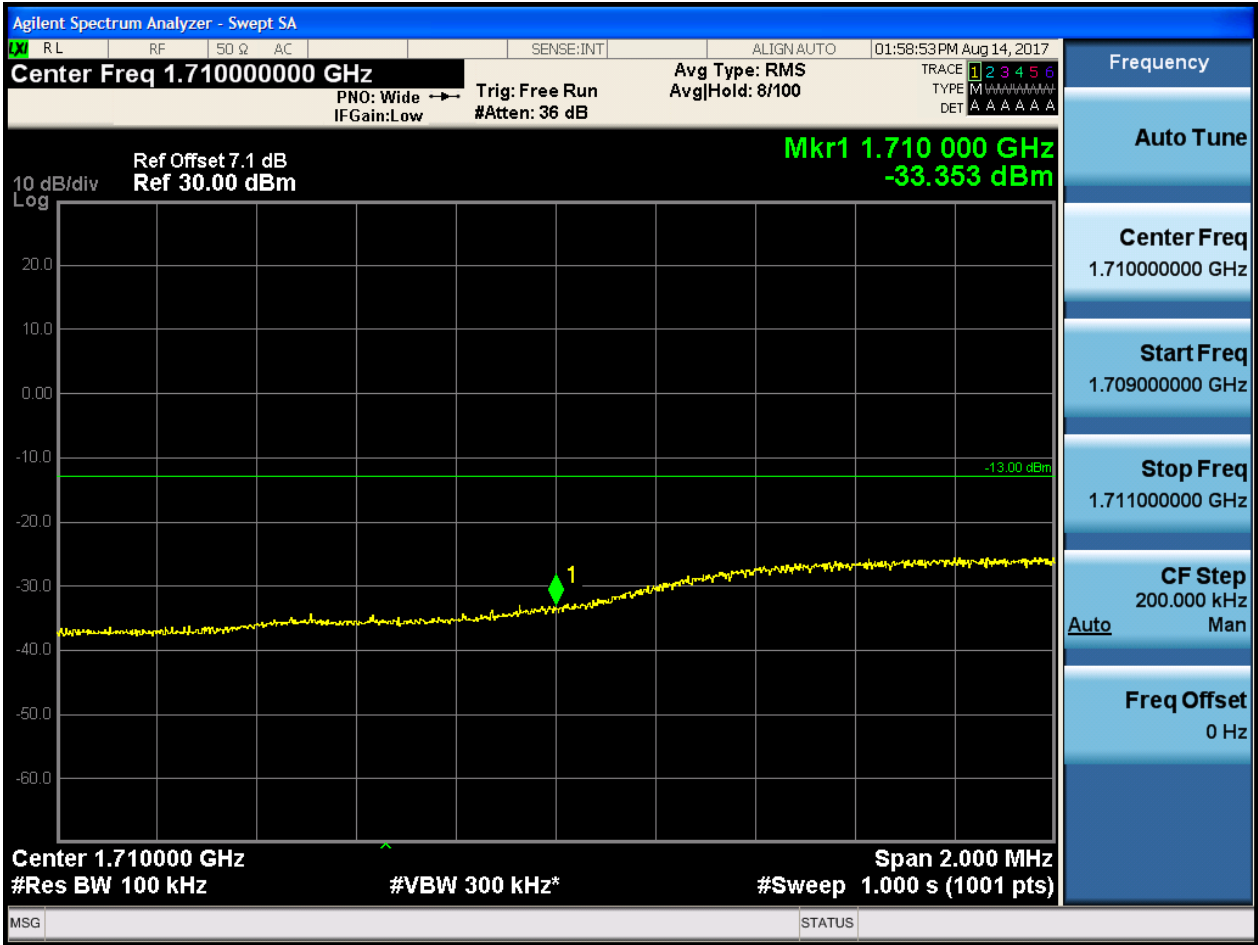


5.1.1.1.4.1.2 Test RB = RB1#49



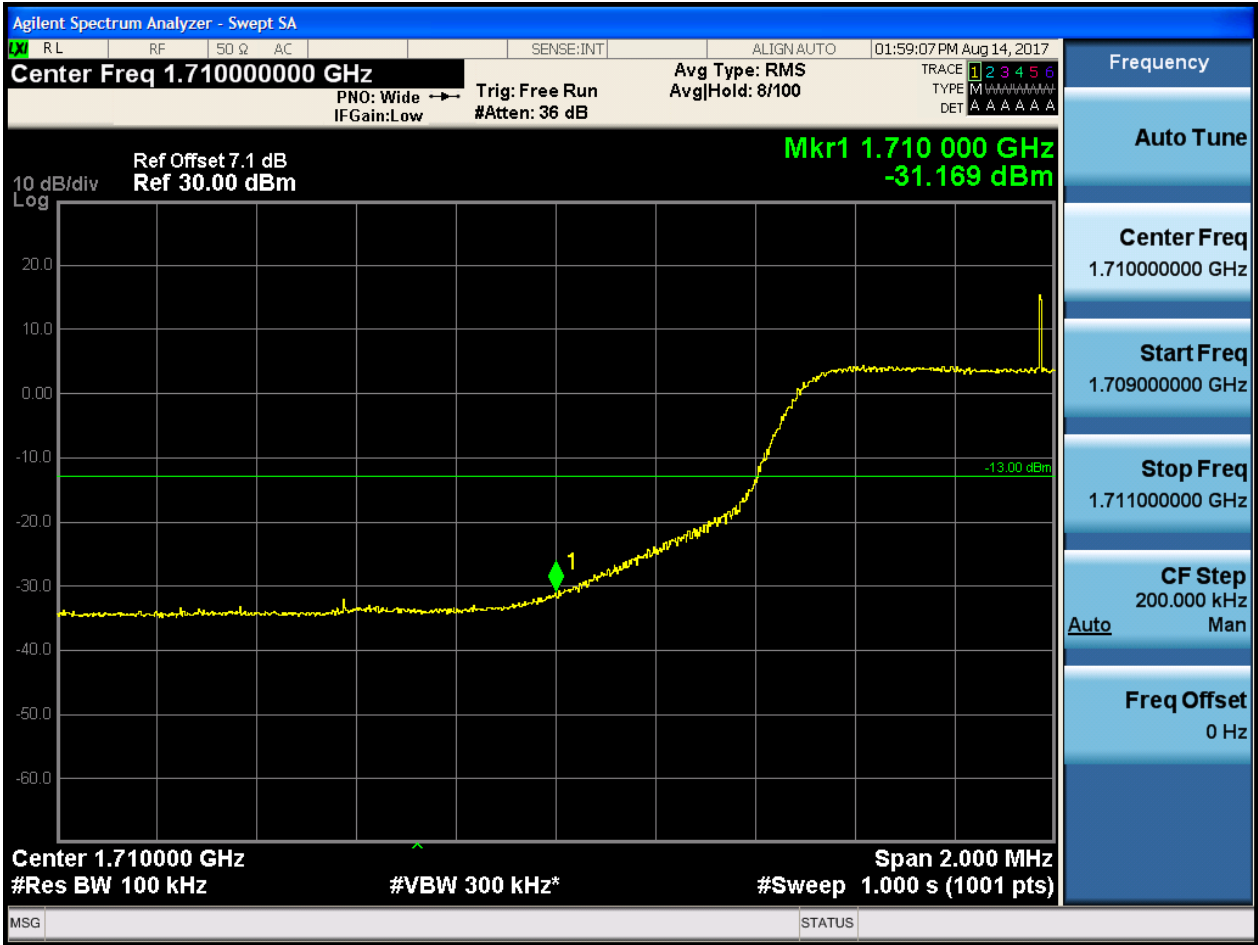


5.1.1.1.4.1.3 Test RB = RB25#13





5.1.1.1.4.1.4 Test RB = RB50#0





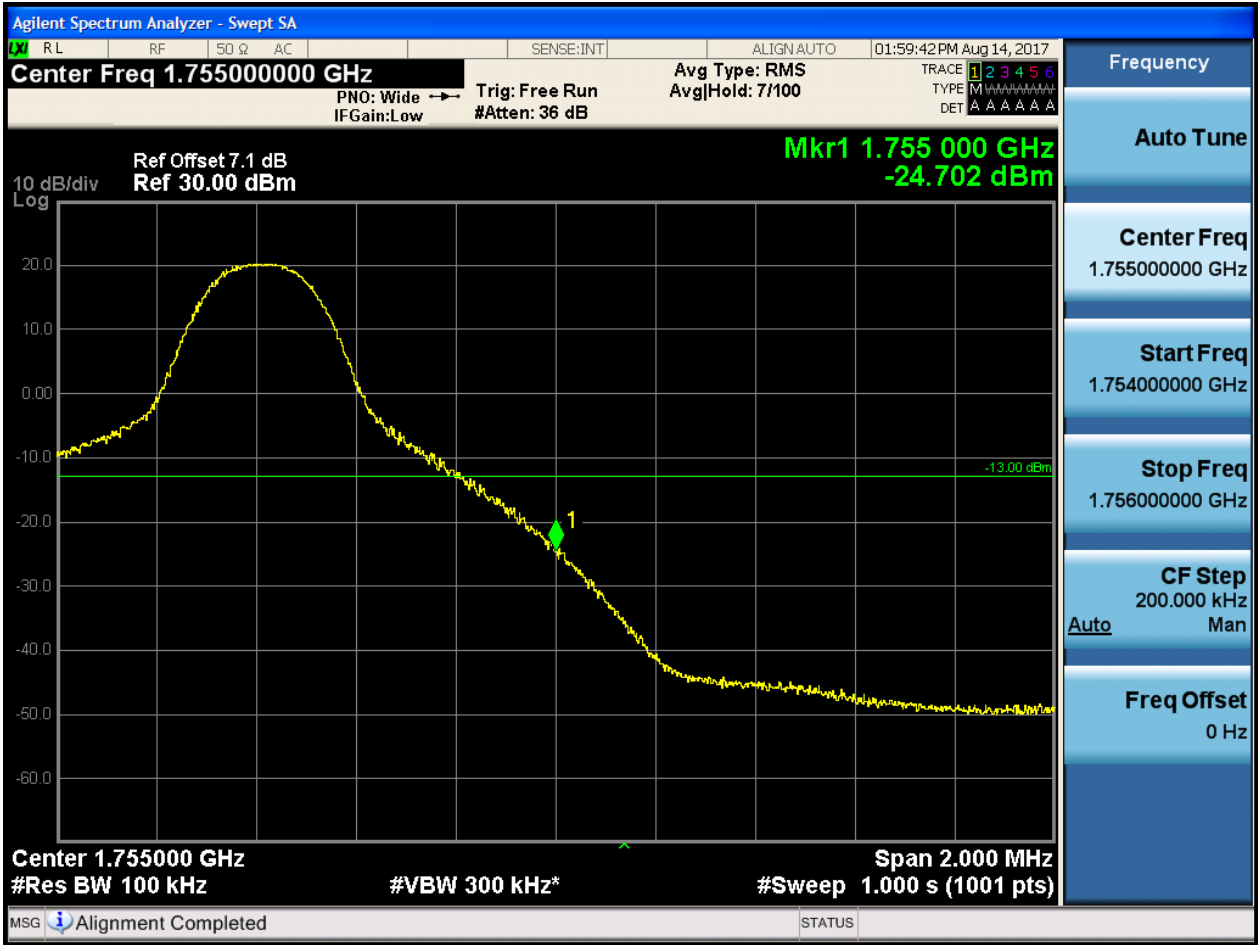
5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0





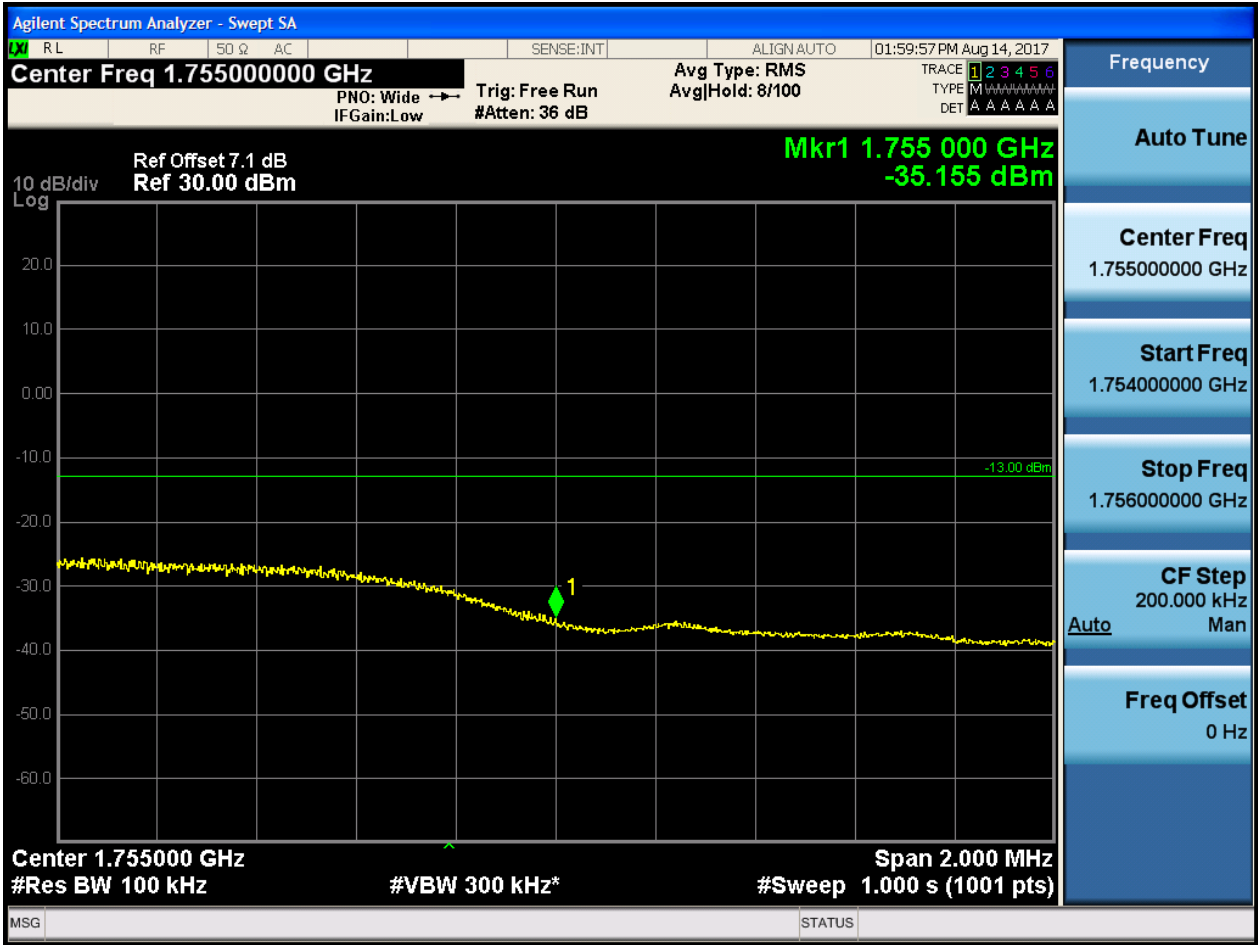
5.1.1.1.4.2.2 Test RB = RB1#49







5.1.1.1.4.2.3 Test RB = RB25#13





5.1.1.1.4.2.4 Test RB = RB50#0

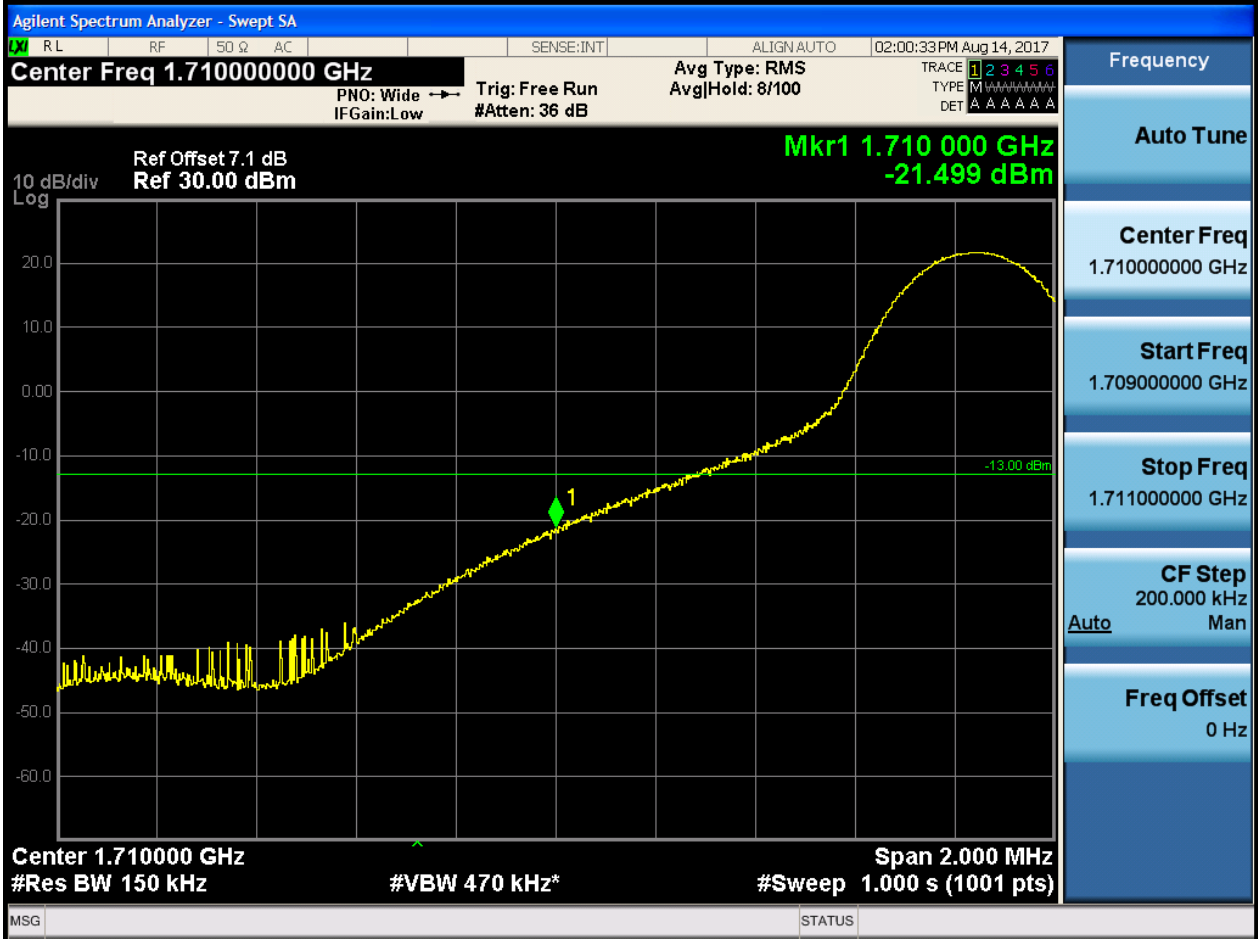




5.1.1.1.5 Test Bandwidth = 15

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

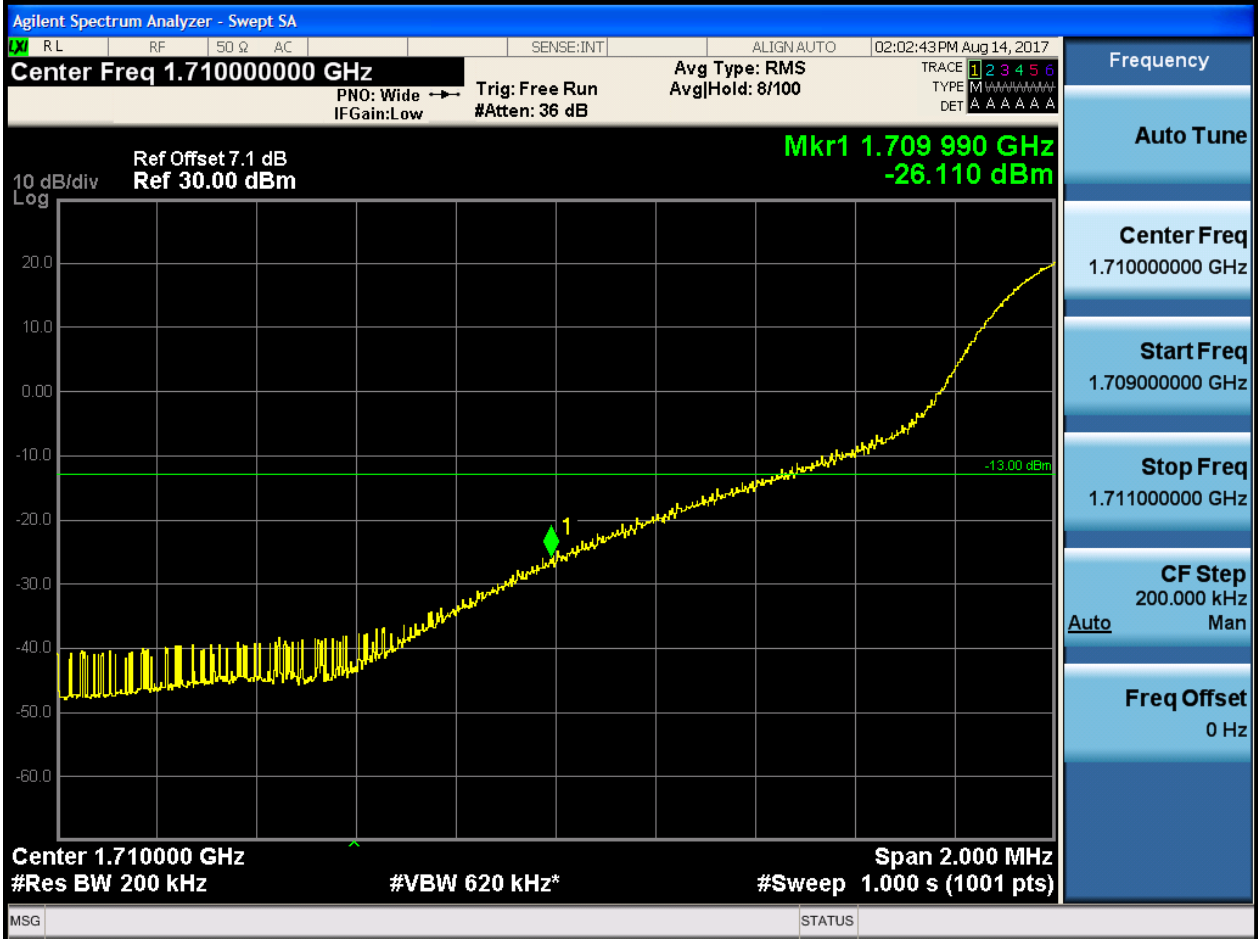




5.1.1.1.6 Test Bandwidth = 20

5.1.1.1.6.1 Test Channel = LCH

5.1.1.1.6.1.1 Test RB = RB1#0



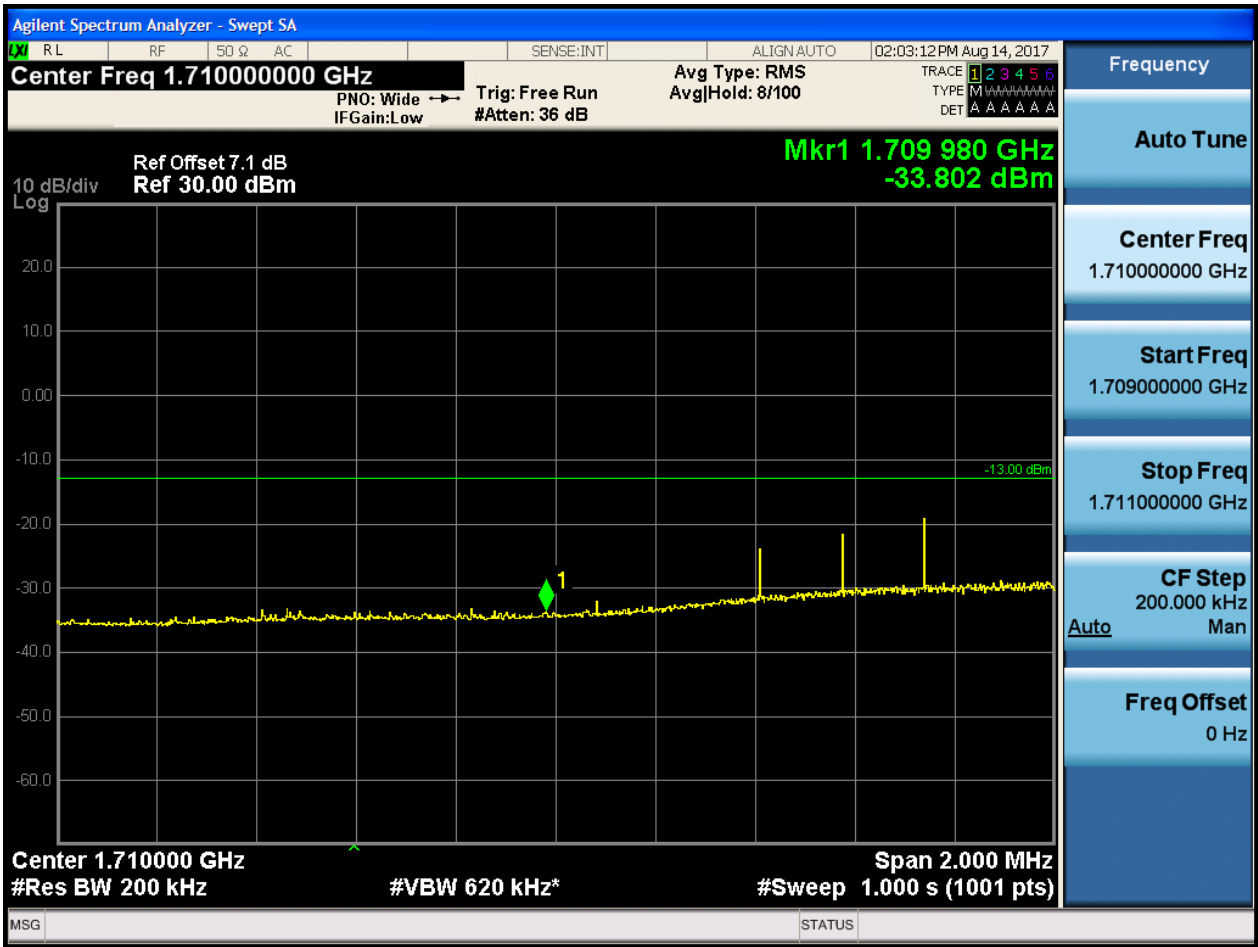


5.1.1.1.6.1.2 Test RB = RB1#99





5.1.1.1.6.1.3 Test RB = RB50#25





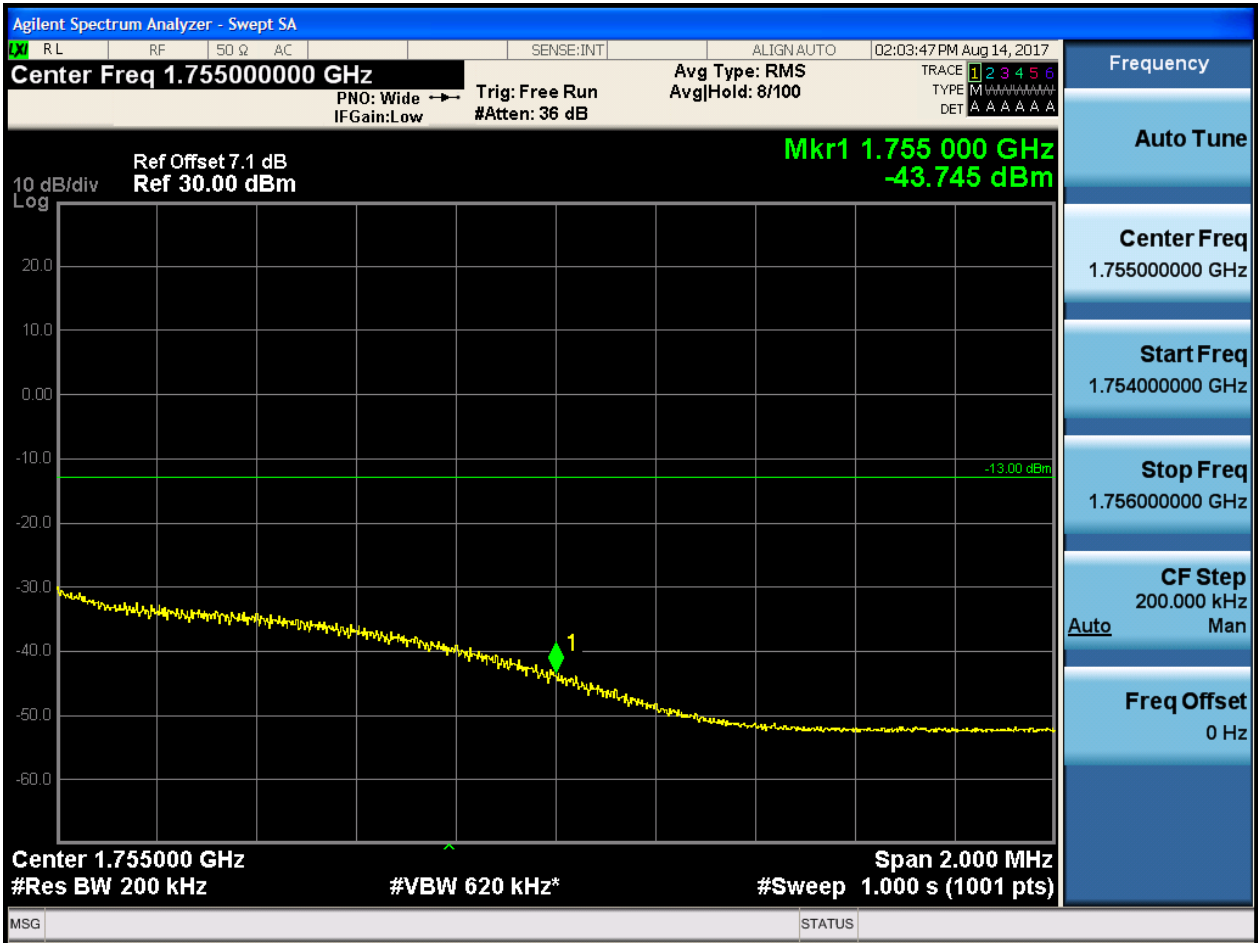
5.1.1.1.6.1.4 Test RB = RB100#0





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



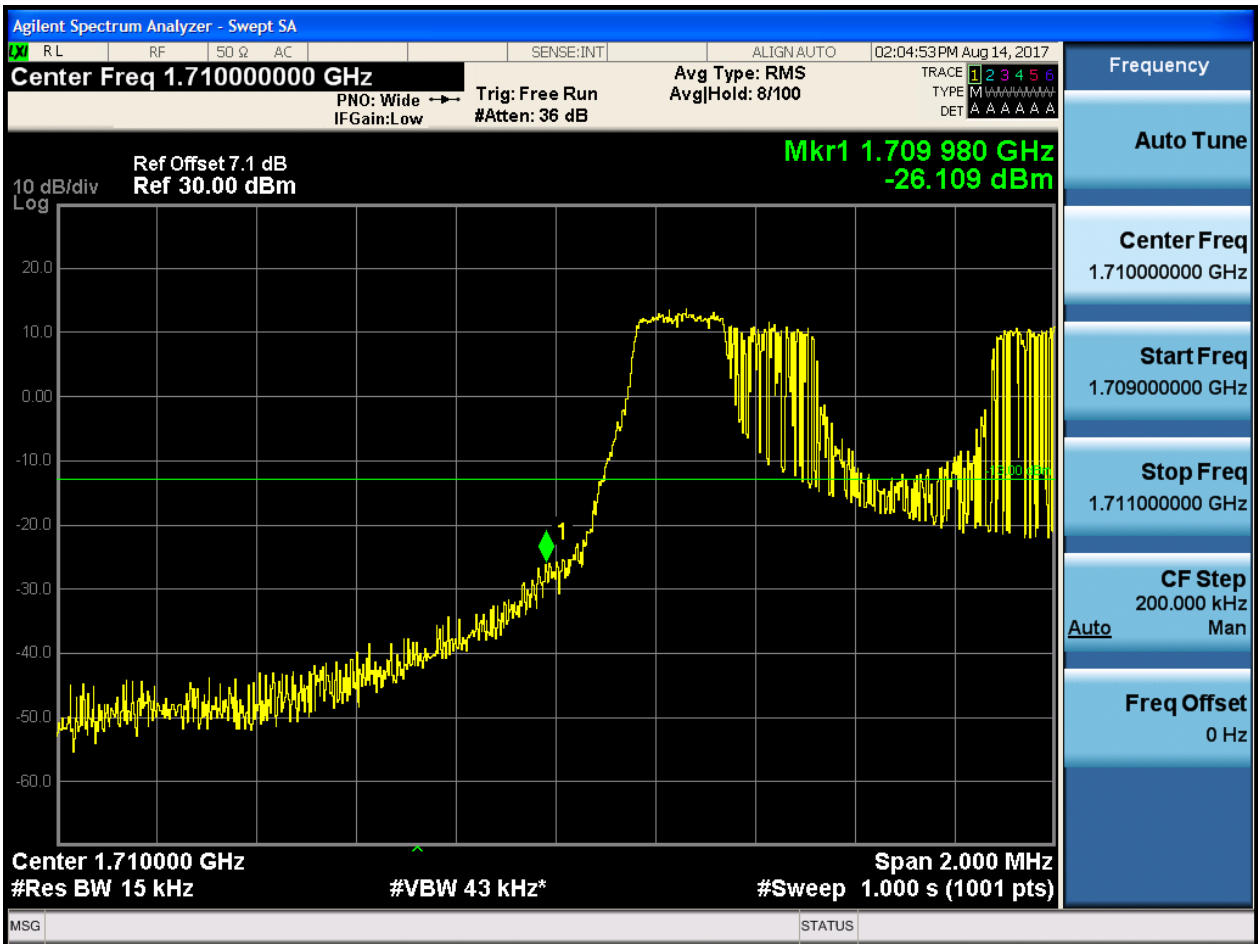


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 1.4

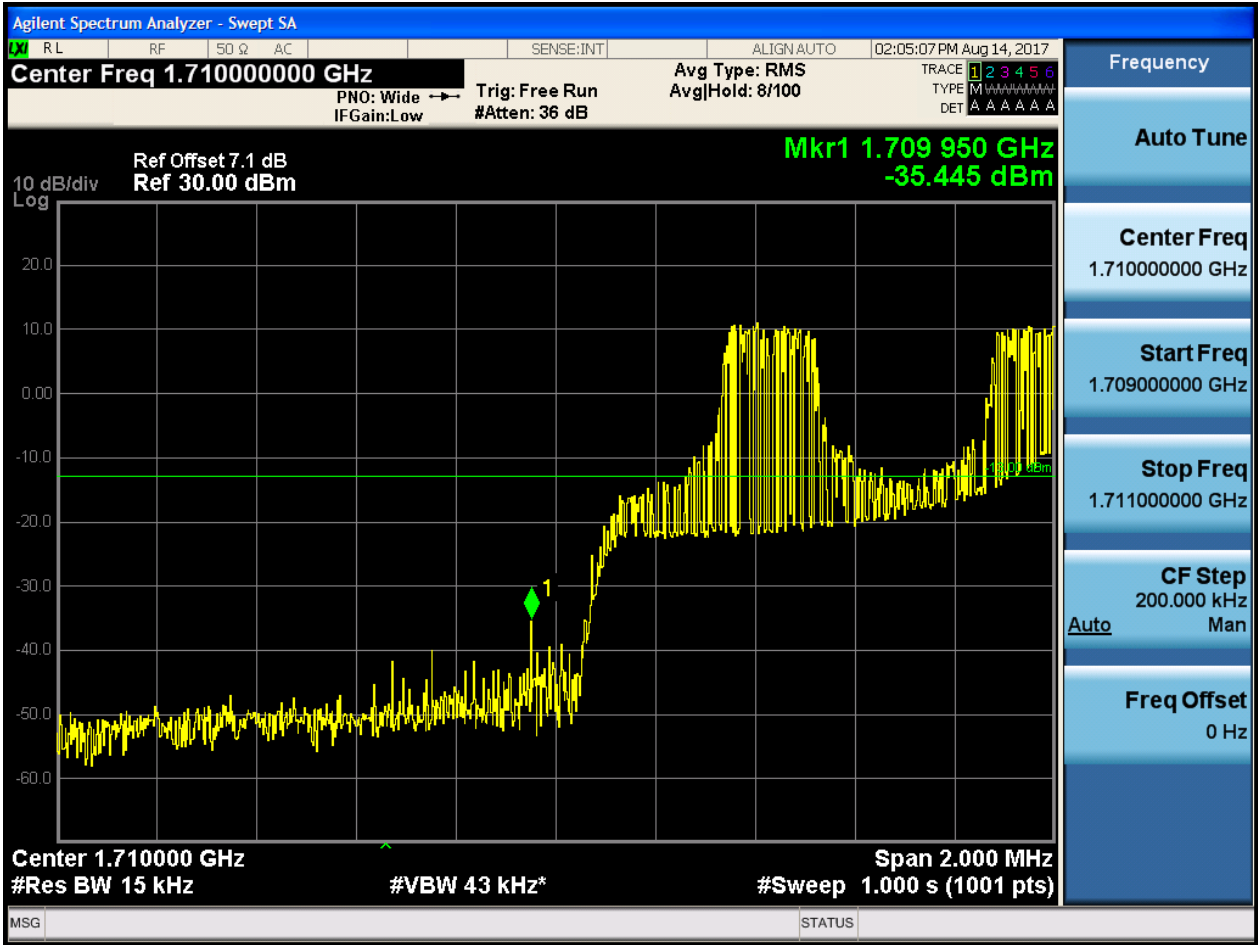
5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0



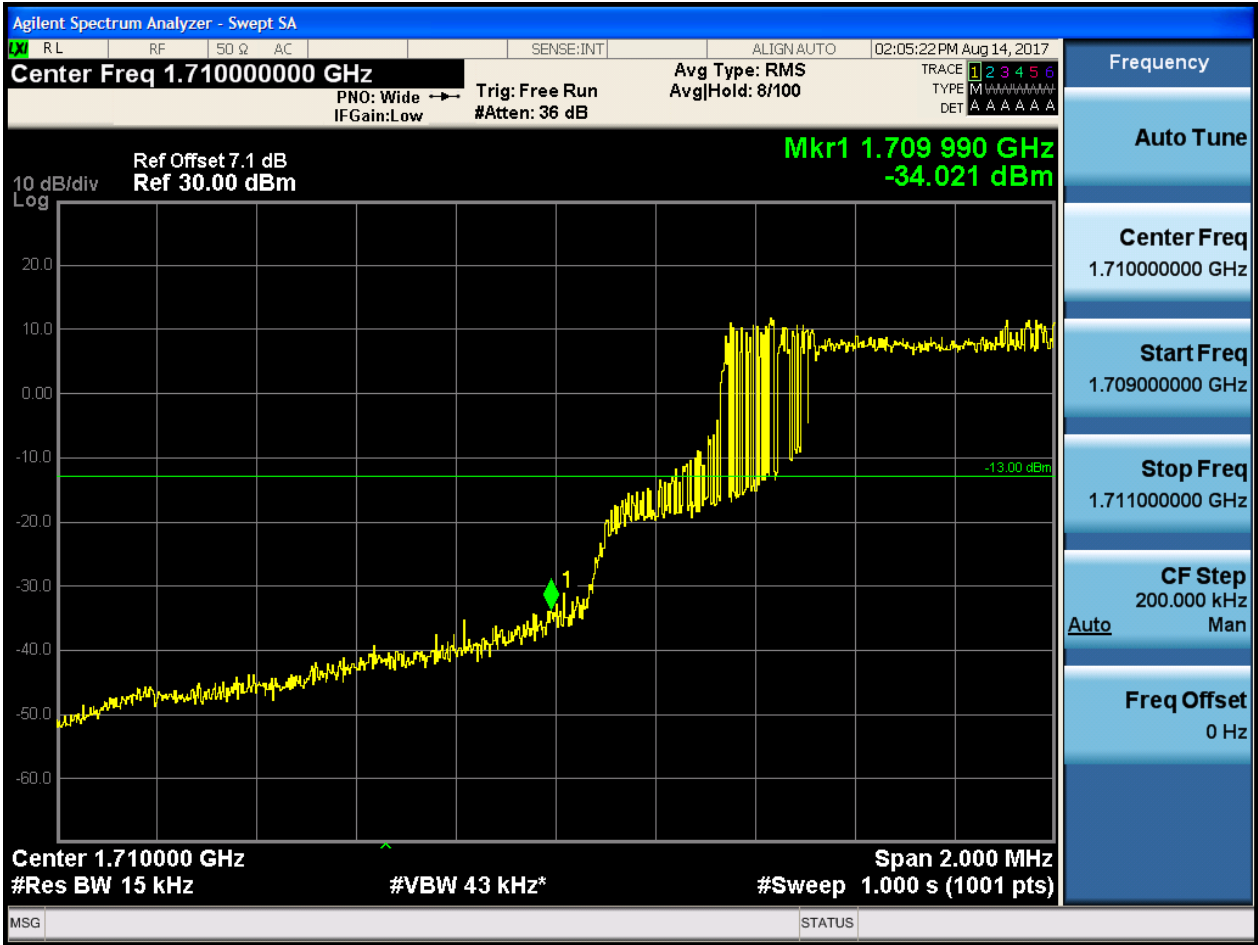


5.1.1.2.1.1.2 Test RB = RB1#5



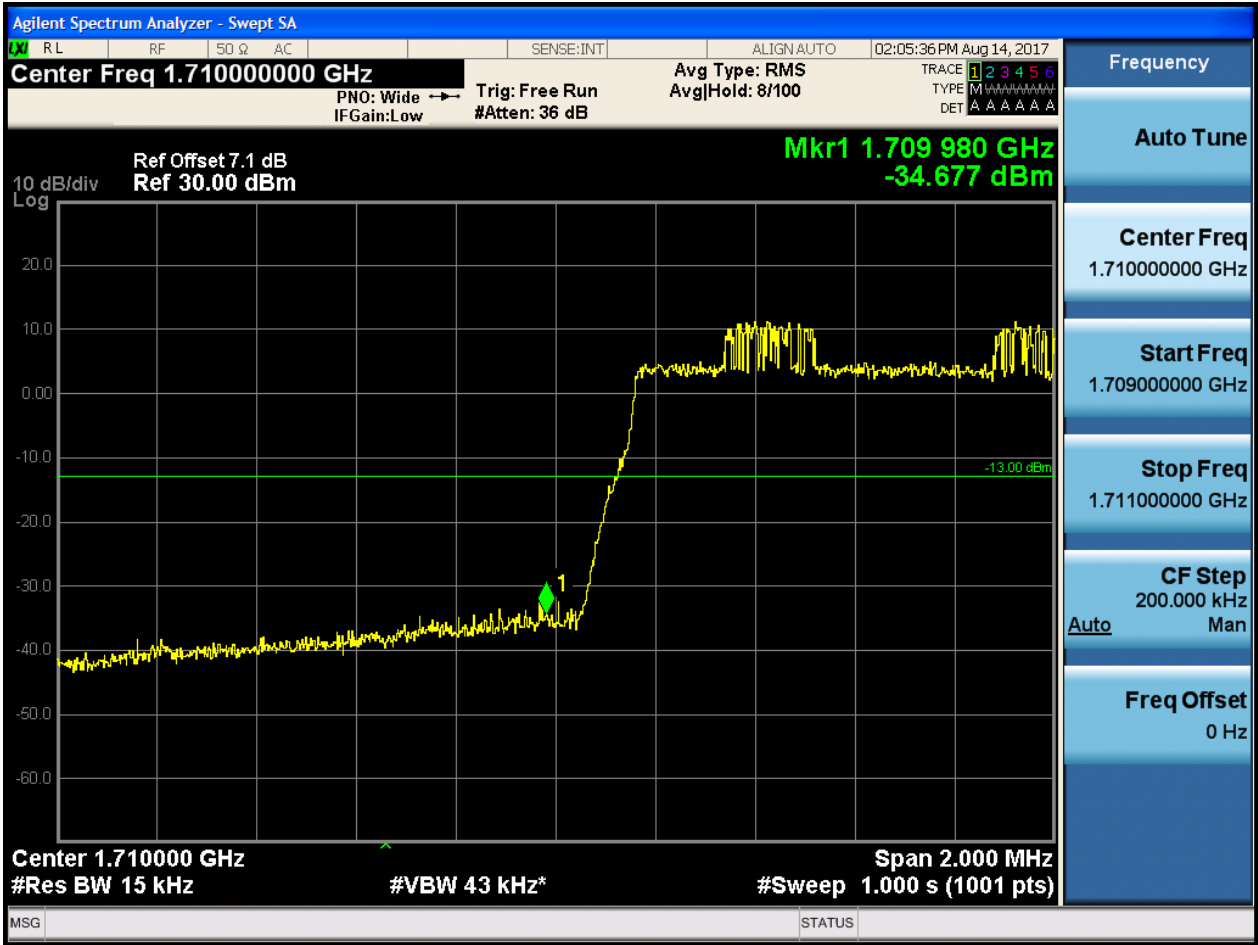


5.1.1.2.1.1.3 Test RB = RB3#2





5.1.1.2.1.1.4 Test RB = RB6#0





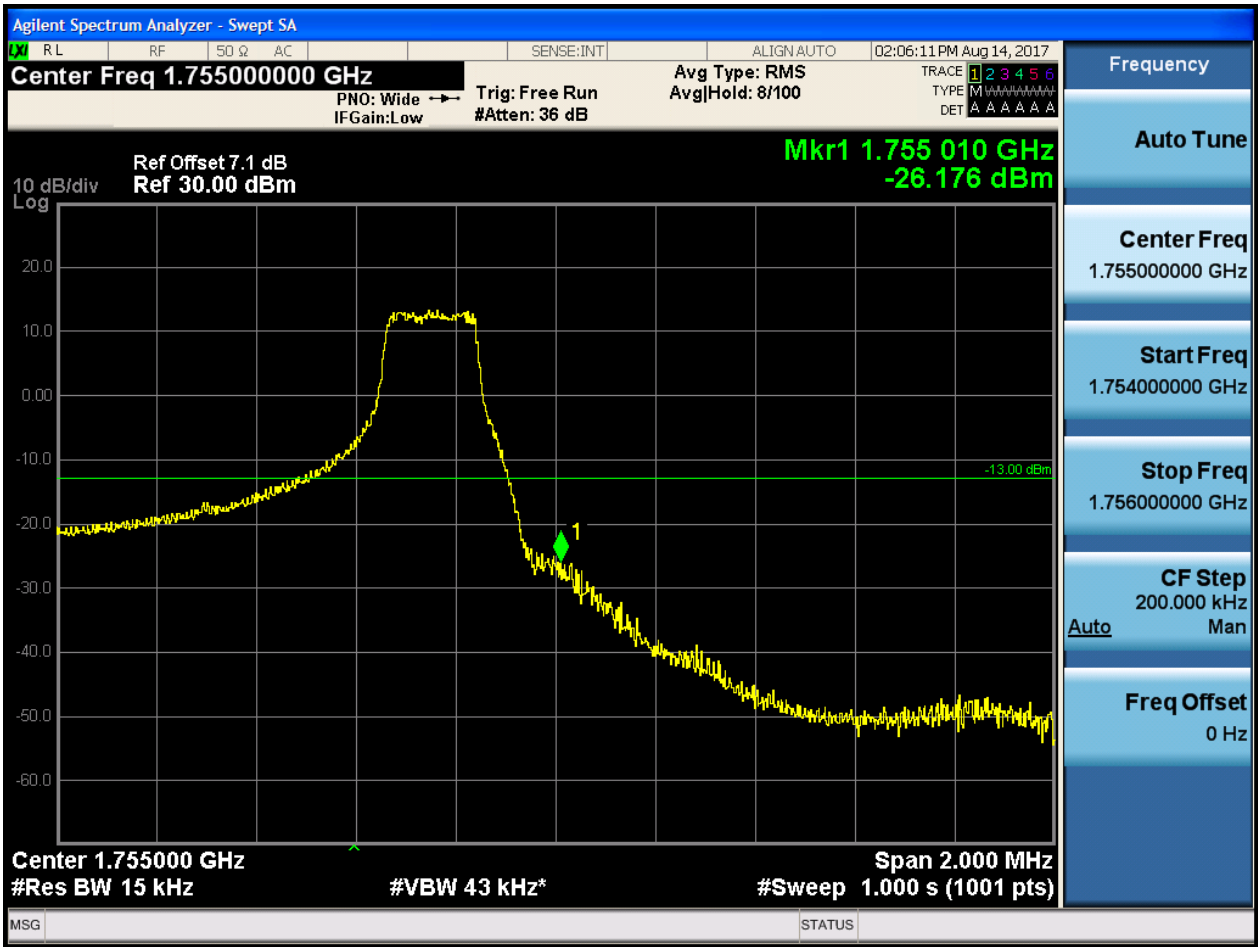
5.1.1.2.1.2 Test Channel = HCH

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

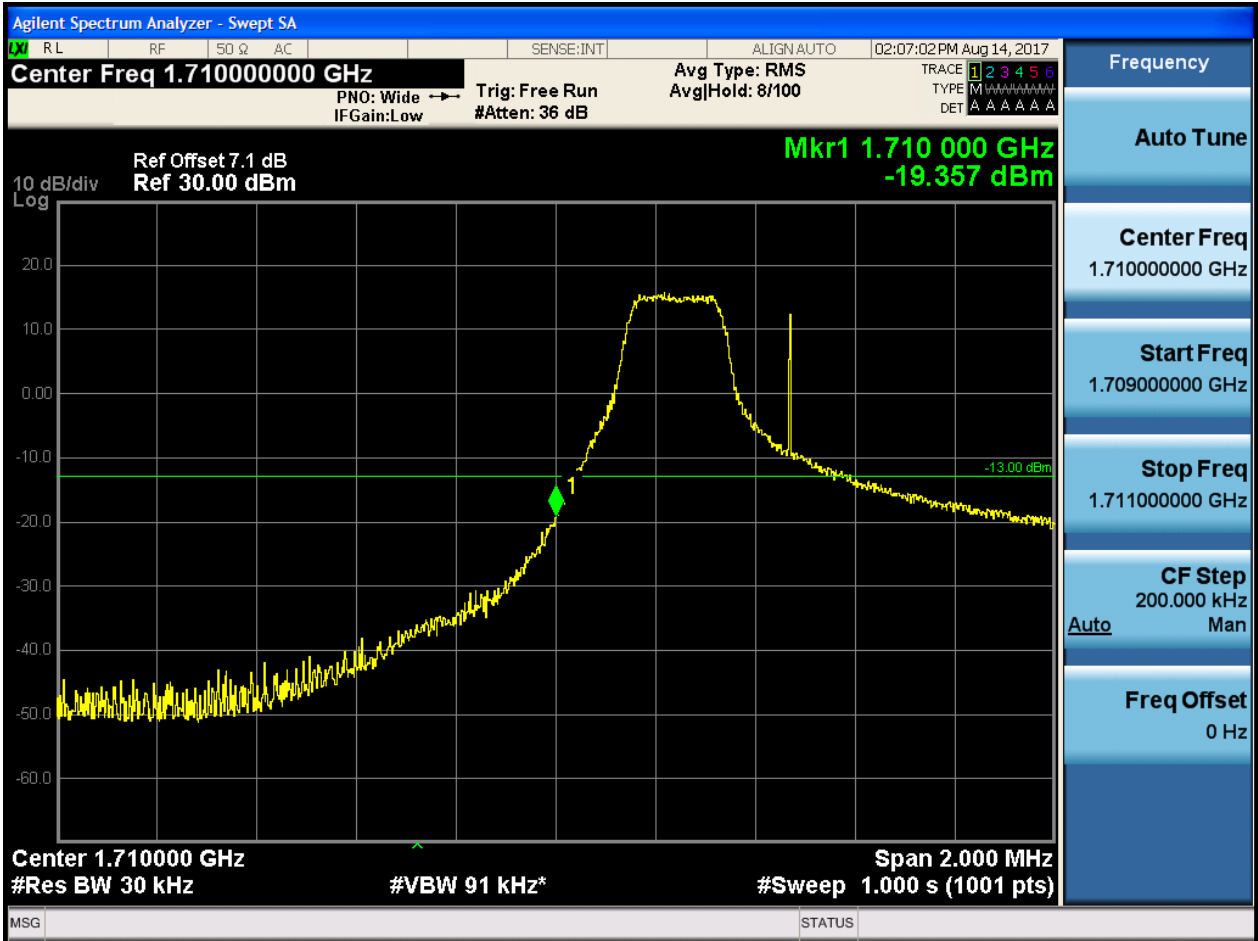




5.1.1.2.2 Test Bandwidth = 3

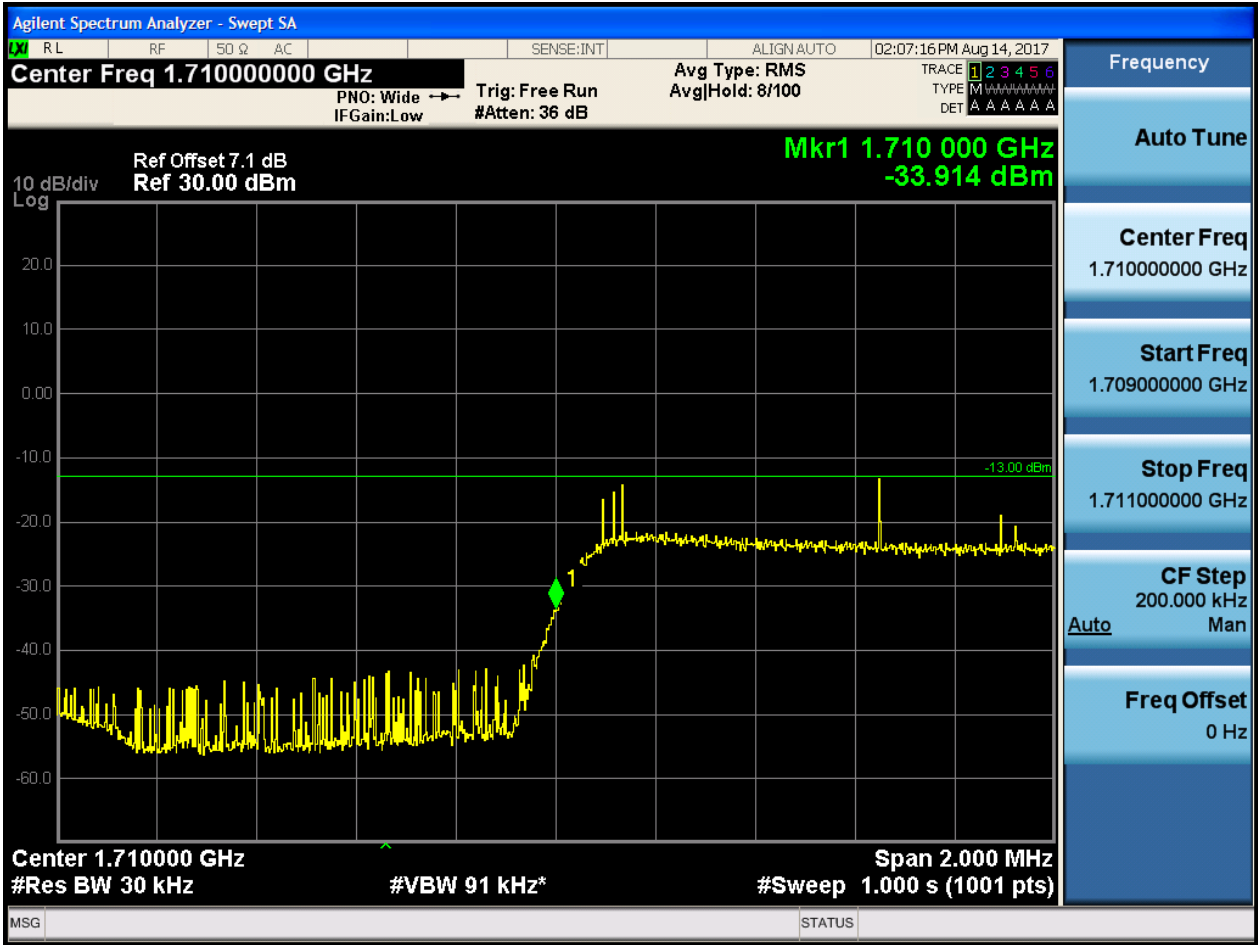
5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0



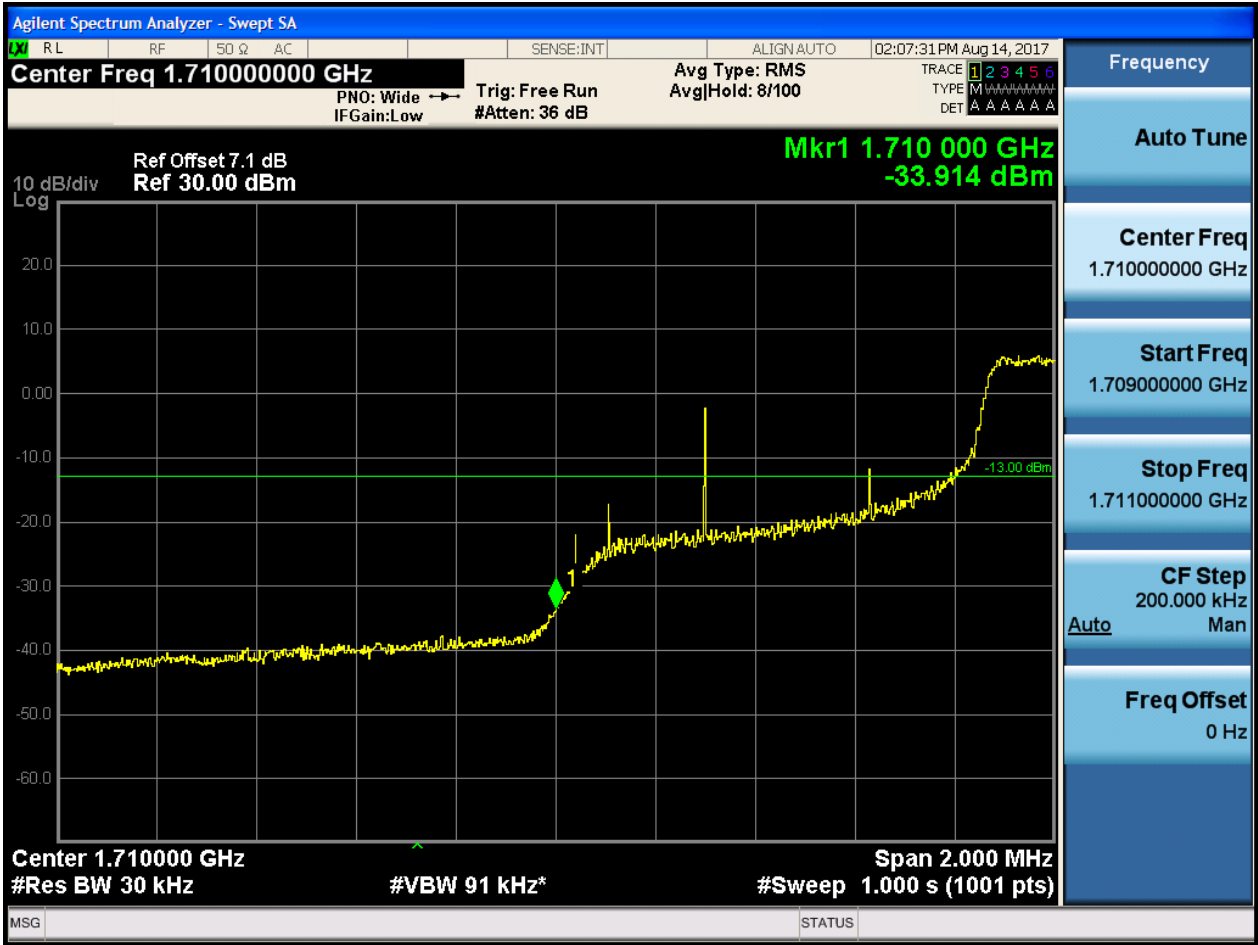


5.1.1.2.2.1.2 Test RB = RB1#14



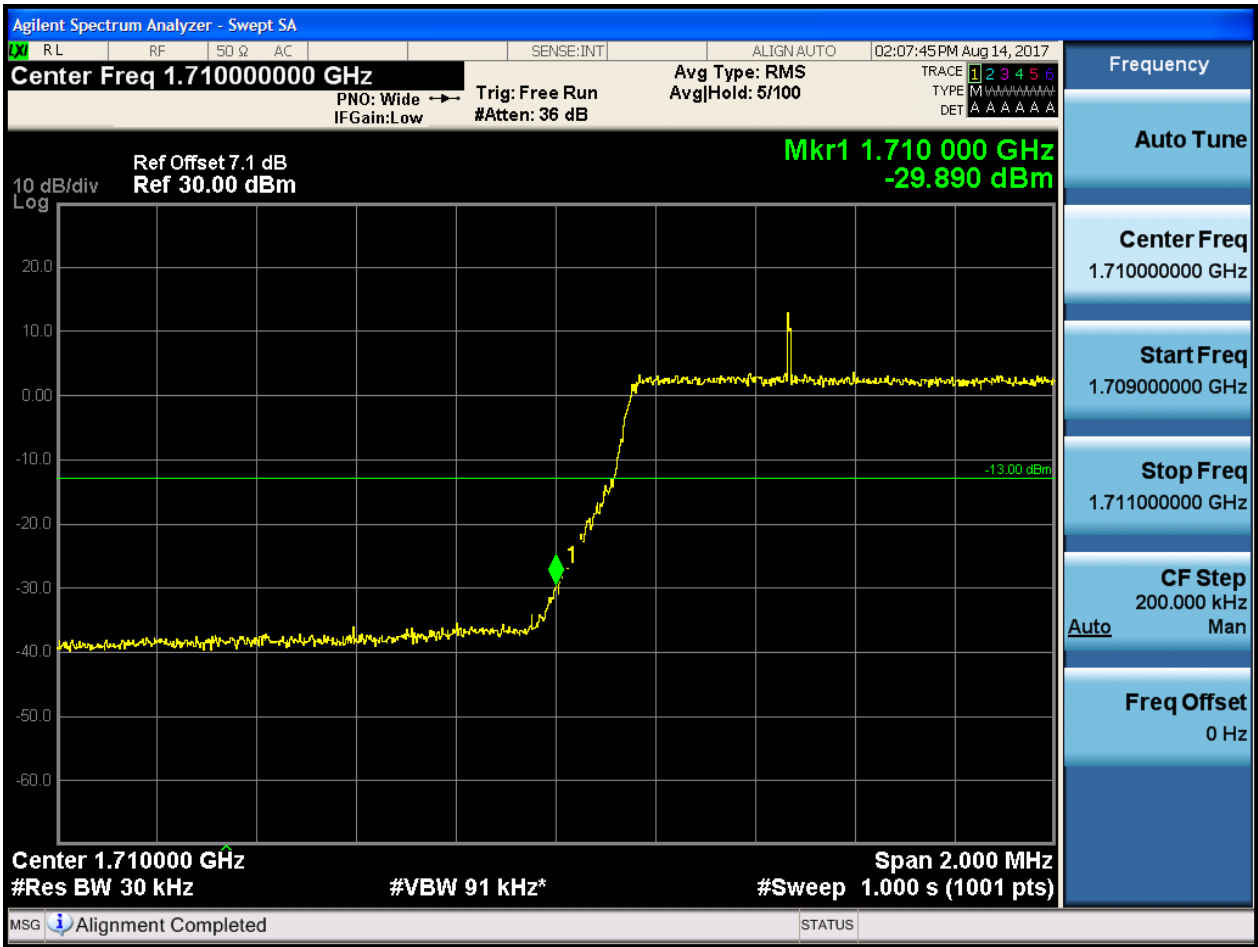


5.1.1.2.2.1.3 Test RB = RB8#4





5.1.1.2.2.1.4 Test RB = RB15#0





5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0

