



# 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	23.07	22.16	30	PASS
				RB1#3	22.87	21.60	30	PASS
				RB1#5	23.08	21.92	30	PASS
				RB3#0	22.96	21.82	30	PASS
				RB3#2	22.89	21.98	30	PASS
				RB3#3	22.98	21.88	30	PASS
			RB6#0	21.72	20.77	30	PASS	
			MCH	RB1#0	23.02	21.83	30	PASS
				RB1#3	22.66	21.45	30	PASS
				RB1#5	23.03	21.79	30	PASS
				RB3#0	23.01	21.86	30	PASS
				RB3#2	22.75	21.83	30	PASS
		RB3#3		22.92	21.73	30	PASS	
		RB6#0	21.94	20.72	30	PASS		
		HCH	RB1#0	23	21.80	30	PASS	
			RB1#3	22.6	21.35	30	PASS	
			RB1#5	23.05	22.05	30	PASS	
			RB3#0	23.01	22.08	30	PASS	
			RB3#2	22.82	21.54	30	PASS	
			RB3#3	22.85	21.80	30	PASS	
		RB6#0	21.93	20.65	30	PASS		
		3	LCH	RB1#0	23.17	22.13	30	PASS
				RB1#7	22.29	21.32	30	PASS
				RB1#14	23.15	21.98	30	PASS
RB8#0	22.12			20.93	30	PASS		
RB8#4	21.99			21.08	30	PASS		
RB8#7	22.02			21.10	30	PASS		
RB15#0	22.14		21.13	30	PASS			
MCH	RB1#0		23.08	21.88	30	PASS		
	RB1#7		22.54	21.62	30	PASS		
	RB1#14		23.06	21.85	30	PASS		
	RB8#0		21.93	20.65	30	PASS		
	RB8#4		21.95	20.79	30	PASS		
	RB8#7	21.94	20.79	30	PASS			



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB15#0	21.99	20.91	30	PASS
				RB1#0	23.01	21.94	30	PASS
				RB1#7	22.54	21.34	30	PASS
				RB1#14	22.99	21.84	30	PASS
				RB8#0	21.9	20.97	30	PASS
				RB8#4	22.03	20.87	30	PASS
				RB8#7	21.99	20.97	30	PASS
				RB15#0	21.98	20.87	30	PASS
		5	LCH	RB1#0	23.09	21.88	30	PASS
				RB1#13	23.1	22.18	30	PASS
				RB1#24	23.05	21.91	30	PASS
				RB12#0	22.22	21.16	30	PASS
				RB12#6	22.08	20.85	30	PASS
				RB12#13	22.13	20.95	30	PASS
			RB25#0	22.06	21.03	30	PASS	
			MCH	RB1#0	22.93	21.93	30	PASS
				RB1#13	23	21.90	30	PASS
				RB1#24	23.01	21.95	30	PASS
				RB12#0	22.06	21.02	30	PASS
				RB12#6	22.01	20.91	30	PASS
				RB12#13	22.06	21.06	30	PASS
			RB25#0	22.01	20.93	30	PASS	
			HCH	RB1#0	23.06	22.03	30	PASS
				RB1#13	23.05	21.84	30	PASS
				RB1#24	23.04	22.12	30	PASS
				RB12#0	22.09	20.98	30	PASS
		RB12#6		22.03	20.86	30	PASS	
		RB12#13		22.04	20.79	30	PASS	
		RB25#0	22	21.06	30	PASS		
		10	LCH	RB1#0	23.06	21.89	30	PASS
				RB1#25	22.79	21.79	30	PASS
				RB1#49	23.01	21.87	30	PASS
				RB25#0	22.13	20.96	30	PASS
				RB25#13	22.09	20.79	30	PASS
				RB25#25	22.11	21.15	30	PASS
			RB50#0	22.11	20.88	30	PASS	
MCH	RB1#0		23.04	21.88	30	PASS		
	RB1#25		22.56	21.34	30	PASS		
	RB1#49	23.03	22.03	30	PASS			



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict	
				RB25#0	22.04	21.03	30	PASS	
				RB25#13	22.07	21.04	30	PASS	
				RB25#25	22.03	21.11	30	PASS	
				RB50#0	22.02	21.01	30	PASS	
			HCH	RB1#0	22.95	21.86	30	PASS	
				RB1#25	22.78	21.84	30	PASS	
				RB1#49	22.88	21.76	30	PASS	
				RB25#0	22.02	20.94	30	PASS	
				RB25#13	22.05	20.87	30	PASS	
				RB25#25	22.01	20.80	30	PASS	
				RB50#0	21.97	20.79	30	PASS	
				LCH	RB1#0	22.94	21.91	30	PASS
					RB1#38	23.07	21.78	30	PASS
					RB1#74	22.9	21.78	30	PASS
		RB38#0			22.06	21.01	30	PASS	
		RB38#19			22.12	21.15	30	PASS	
		RB38#39			22.08	21.02	30	PASS	
		RB75#0	22.04		20.93	30	PASS		
		MCH	RB1#0	22.9	21.76	30	PASS		
			RB1#38	23.09	21.81	30	PASS		
			RB1#74	22.91	21.77	30	PASS		
			RB38#0	22.01	20.90	30	PASS		
			RB38#19	22.05	20.81	30	PASS		
			RB38#39	22.09	20.85	30	PASS		
			RB75#0	21.99	21.01	30	PASS		
		HCH	RB1#0	22.88	21.67	30	PASS		
			RB1#38	23.05	22.02	30	PASS		
			RB1#74	22.86	21.83	30	PASS		
			RB38#0	22.02	20.75	30	PASS		
			RB38#19	22.04	20.84	30	PASS		
			RB38#39	21.98	20.85	30	PASS		
			RB75#0	21.93	20.90	30	PASS		
		20	LCH	RB1#0	23.19	22.16	30	PASS	
RB1#50	22.66			21.58	30	PASS			
RB1#99	23.14			22.12	30	PASS			
RB50#0	22.09			21.04	30	PASS			
RB50#25	22.1			21.07	30	PASS			
RB50#50	22.1			20.83	30	PASS			
RB100#0	22.05			20.94	30	PASS			



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	23.08	22.07	30	PASS
				RB1#50	22.52	21.36	30	PASS
				RB1#99	23.11	22.09	30	PASS
				RB50#0	22.07	20.92	30	PASS
				RB50#25	22.07	20.99	30	PASS
				RB50#50	22.04	21.07	30	PASS
				RB100#0	22.06	21.04	30	PASS
			HCH	RB1#0	22.99	21.84	30	PASS
				RB1#50	22.86	21.74	30	PASS
				RB1#99	23.02	21.82	30	PASS
				RB50#0	22.03	21.12	30	PASS
				RB50#25	22.06	21.06	30	PASS
				RB50#50	22	20.75	30	PASS
				RB100#0	22.01	20.76	30	PASS
	LTE/TM2	1.4	LCH	RB1#0	22.13	21.08	30	PASS
				RB1#3	21.96	20.93	30	PASS
				RB1#5	22.15	21.02	30	PASS
				RB3#0	22.15	21.05	30	PASS
				RB3#2	21.95	21.01	30	PASS
				RB3#3	22.03	20.90	30	PASS
				RB6#0	21.08	19.91	30	PASS
			MCH	RB1#0	22.33	21.21	30	PASS
				RB1#3	22.07	21.02	30	PASS
				RB1#5	22.36	21.16	30	PASS
				RB3#0	21.94	21.03	30	PASS
				RB3#2	21.91	20.78	30	PASS
				RB3#3	21.89	20.77	30	PASS
				RB6#0	20.93	20.01	30	PASS
			HCH	RB1#0	22.18	21.09	30	PASS
				RB1#3	21.88	20.89	30	PASS
				RB1#5	22.17	20.89	30	PASS
				RB3#0	22.07	21.06	30	PASS
RB3#2	21.68	20.65		30	PASS			
RB3#3	21.83	20.87		30	PASS			
RB6#0	20.94	19.67		30	PASS			
3	LCH	RB1#0	22.38	21.25	30	PASS		
		RB1#7	22.18	21.11	30	PASS		
		RB1#14	22.3	21.39	30	PASS		
		RB8#0	21.1	20.07	30	PASS		



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict		
				RB8#4	21.13	19.90	30	PASS		
				RB8#7	20.89	19.67	30	PASS		
				RB15#0	21.02	20.11	30	PASS		
			MCH	RB1#0	22.24	21.25	30	PASS		
				RB1#7	21.8	20.69	30	PASS		
				RB1#14	22.27	21.13	30	PASS		
				RB8#0	21.02	19.74	30	PASS		
				RB8#4	21.06	20.01	30	PASS		
				RB8#7	20.91	19.76	30	PASS		
			HCH	RB15#0	21.03	20.00	30	PASS		
				RB1#0	22.33	21.37	30	PASS		
				RB1#7	21.76	20.81	30	PASS		
				RB1#14	22.29	21.07	30	PASS		
				RB8#0	20.89	19.84	30	PASS		
				RB8#4	20.87	19.94	30	PASS		
			5	LCH		RB8#7	20.94	19.81	30	PASS
						RB15#0	20.95	19.78	30	PASS
						RB1#0	22.24	21.06	30	PASS
		RB1#13				22.25	21.14	30	PASS	
		RB1#24				22.25	21.13	30	PASS	
		RB12#0				21.1	20.14	30	PASS	
		RB12#6				21	19.89	30	PASS	
		MCH		RB12#13	21.09	20.15	30	PASS		
				RB25#0	21.09	20.00	30	PASS		
				RB1#0	22.2	21.05	30	PASS		
				RB1#13	22.16	20.93	30	PASS		
				RB1#24	22.18	20.97	30	PASS		
				RB12#0	21.03	19.93	30	PASS		
				RB12#6	20.99	20.01	30	PASS		
				RB12#13	21.03	19.87	30	PASS		
		HCH	RB25#0	20.96	20.02	30	PASS			
			RB1#0	22.36	21.12	30	PASS			
			RB1#13	22.38	21.48	30	PASS			
RB1#24	22.38		21.42	30	PASS					
RB12#0	21.09		19.91	30	PASS					
RB12#6	21.06		20.13	30	PASS					
10	LCH	RB12#13	21.06	20.03	30	PASS				
		RB25#0	20.93	19.95	30	PASS				
			LCH	RB1#0	22.14	21.19	30	PASS		



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#25	21.87	20.66	30	PASS
				RB1#49	22.16	21.18	30	PASS
				RB25#0	21.03	19.90	30	PASS
				RB25#13	21.01	20.04	30	PASS
				RB25#25	21.06	20.03	30	PASS
				RB50#0	20.98	20.01	30	PASS
			MCH	RB1#0	22	20.79	30	PASS
				RB1#25	21.77	20.51	30	PASS
				RB1#49	22.12	20.88	30	PASS
				RB25#0	21.05	20.11	30	PASS
				RB25#13	20.95	20.03	30	PASS
				RB25#25	20.99	19.70	30	PASS
			HCH	RB50#0	21.03	19.99	30	PASS
				RB1#0	22.31	21.37	30	PASS
				RB1#25	22.27	21.32	30	PASS
				RB1#49	22.51	21.35	30	PASS
				RB25#0	20.99	19.78	30	PASS
				RB25#13	20.91	19.93	30	PASS
		15	LCH	RB25#25	20.92	19.92	30	PASS
				RB50#0	20.88	19.64	30	PASS
				RB1#0	22.14	21.22	30	PASS
				RB1#38	22.23	21.15	30	PASS
				RB1#74	22.15	21.11	30	PASS
				RB38#0	21	19.89	30	PASS
			MCH	RB38#19	21	19.97	30	PASS
				RB38#39	21	20.03	30	PASS
				RB75#0	21.02	19.86	30	PASS
				RB1#0	22.19	21.17	30	PASS
				RB1#38	22.38	21.33	30	PASS
				RB1#74	22.25	21.04	30	PASS
			HCH	RB38#0	20.93	19.68	30	PASS
				RB38#19	21	19.80	30	PASS
				RB38#39	21	19.77	30	PASS
RB75#0	20.93	19.73		30	PASS			
RB38#19	20.98	20.00		30	PASS			



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB38#39	21	20.04	30	PASS
				RB75#0	20.93	19.79	30	PASS
		20	LCH	RB1#0	22.55	21.62	30	PASS
				RB1#50	22.2	21.29	30	PASS
				RB1#99	22.56	21.61	30	PASS
				RB50#0	21.04	20.03	30	PASS
				RB50#25	21.02	19.90	30	PASS
				RB50#50	21	20.06	30	PASS
				RB100#0	21.06	19.82	30	PASS
				MCH	RB1#0	22.36	21.45	30
			RB1#50		21.93	20.77	30	PASS
			RB1#99		22.39	21.42	30	PASS
			RB50#0		21.02	19.81	30	PASS
			RB50#25		21.01	19.77	30	PASS
			RB50#50		21.07	20.10	30	PASS
			HCH	RB100#0	20.97	19.72	30	PASS
		RB1#0		22.22	20.96	30	PASS	
		RB1#50		22.07	21.06	30	PASS	
		RB1#99		22.23	21.13	30	PASS	
		RB50#0		20.91	19.65	30	PASS	
		RB50#25		20.94	19.69	30	PASS	
RB50#50	20.99	20.08		30	PASS			
RB100#0	20.95	19.74	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	4.05	13	PASS
				RB1#3	4.17	13	PASS
				RB1#5	4.18	13	PASS
				RB3#0	4.69	13	PASS
				RB3#2	4.50	13	PASS
				RB3#3	4.63	13	PASS
			RB6#0	5.79	13	PASS	
			MCH	RB1#0	3.87	13	PASS
				RB1#3	4.59	13	PASS
				RB1#5	4.22	13	PASS
				RB3#0	4.54	13	PASS
				RB3#2	4.93	13	PASS
				RB3#3	4.50	13	PASS
			RB6#0	5.60	13	PASS	
			HCH	RB1#0	4.18	13	PASS
				RB1#3	4.43	13	PASS
				RB1#5	4.19	13	PASS
				RB3#0	4.69	13	PASS
		RB3#2		4.40	13	PASS	
		RB3#3		4.42	13	PASS	
		RB6#0	5.49	13	PASS		
		3	LCH	RB1#0	4.29	13	PASS
				RB1#7	4.62	13	PASS
				RB1#14	4.42	13	PASS
				RB8#0	5.40	13	PASS
				RB8#4	5.29	13	PASS
				RB8#7	5.40	13	PASS
			RB15#0	5.78	13	PASS	
MCH	RB1#0		4.09	13	PASS		
	RB1#7		4.21	13	PASS		
	RB1#14		4.23	13	PASS		
	RB8#0		5.30	13	PASS		
	RB8#4		5.30	13	PASS		
	RB8#7	5.50	13	PASS			
RB15#0	5.62	13	PASS				



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		5	HCH	RB1#0	4.35	13	PASS
				RB1#7	4.17	13	PASS
				RB1#14	3.71	13	PASS
				RB8#0	5.32	13	PASS
				RB8#4	5.21	13	PASS
				RB8#7	5.27	13	PASS
				RB15#0	5.53	13	PASS
			LCH	RB1#0	4.22	13	PASS
				RB1#13	4.28	13	PASS
				RB1#24	4.35	13	PASS
				RB12#0	5.53	13	PASS
				RB12#6	5.53	13	PASS
				RB12#13	5.65	13	PASS
				RB25#0	5.72	13	PASS
		MCH	RB1#0	4.03	13	PASS	
			RB1#13	4.13	13	PASS	
			RB1#24	4.30	13	PASS	
			RB12#0	5.01	13	PASS	
			RB12#6	4.94	13	PASS	
			RB12#13	5.45	13	PASS	
		HCH	RB1#0	4.48	13	PASS	
			RB1#13	4.23	13	PASS	
			RB1#24	4.14	13	PASS	
			RB12#0	5.61	13	PASS	
			RB12#6	5.20	13	PASS	
			RB12#13	5.43	13	PASS	
		10	LCH	RB1#0	4.21	13	PASS
				RB1#25	4.48	13	PASS
				RB1#49	4.04	13	PASS
				RB25#0	5.49	13	PASS
				RB25#13	5.48	13	PASS
				RB25#25	5.44	13	PASS
RB50#0	5.72			13	PASS		
MCH	RB1#0		3.84	13	PASS		
	RB1#25		4.34	13	PASS		
	RB1#49		4.53	13	PASS		
	RB25#0		5.22	13	PASS		



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
				RB25#13	5.33	13	PASS	
				RB25#25	5.53	13	PASS	
				RB50#0	5.99	13	PASS	
			HCH	RB1#0	4.52	13	PASS	
				RB1#25	4.45	13	PASS	
				RB1#49	4.09	13	PASS	
				RB25#0	5.79	13	PASS	
				RB25#13	5.56	13	PASS	
				RB25#25	5.56	13	PASS	
				RB50#0	5.91	13	PASS	
				LCH	RB1#0	4.36	13	PASS
					RB1#38	4.15	13	PASS
		RB1#74	3.93		13	PASS		
		RB38#0	5.64		13	PASS		
		RB38#19	5.37		13	PASS		
		RB38#39	5.31		13	PASS		
		MCH	RB75#0	5.85	13	PASS		
			RB1#0	4.13	13	PASS		
			RB1#38	4.16	13	PASS		
			RB1#74	4.62	13	PASS		
			RB38#0	5.42	13	PASS		
			RB38#19	5.47	13	PASS		
		HCH	RB38#39	5.84	13	PASS		
			RB75#0	6.00	13	PASS		
			RB1#0	4.69	13	PASS		
			RB1#38	4.36	13	PASS		
			RB1#74	4.11	13	PASS		
			RB38#0	5.91	13	PASS		
			RB38#19	5.72	13	PASS		
		LCH	RB38#39	5.72	13	PASS		
RB75#0	6.11		13	PASS				
RB1#0	4.09		13	PASS				
RB1#50	3.95		13	PASS				
RB1#99	3.83		13	PASS				
RB50#0	5.61		13	PASS				
RB50#25	5.29		13	PASS				
MCH	RB50#50	5.37	13	PASS				
	RB100#0	5.92	13	PASS				
		20	LCH	RB1#0	3.84	13	PASS	
				RB1#0	4.09	13	PASS	
				RB1#50	3.95	13	PASS	
				RB1#99	3.83	13	PASS	
				RB50#0	5.61	13	PASS	
				RB50#25	5.29	13	PASS	
		20	MCH	RB50#50	5.37	13	PASS	
				RB100#0	5.92	13	PASS	



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict			
				RB1#50	4.33	13	PASS			
				RB1#99	4.53	13	PASS			
				RB50#0	5.24	13	PASS			
				RB50#25	5.43	13	PASS			
				RB50#50	5.76	13	PASS			
				RB100#0	6.01	13	PASS			
			HCH	RB1#0	4.42	13	PASS			
				RB1#50	4.77	13	PASS			
				RB1#99	4.16	13	PASS			
				RB50#0	5.94	13	PASS			
				RB50#25	5.89	13	PASS			
				RB50#50	5.77	13	PASS			
				LTE/TM2	1.4	LCH	RB1#0	4.94	13	PASS
							RB1#3	5.46	13	PASS
	RB1#5	5.27					13	PASS		
	RB3#0	5.48					13	PASS		
	RB3#2	5.49					13	PASS		
	RB3#3	5.72					13	PASS		
	MCH	RB6#0				6.43	13	PASS		
		RB1#0				4.99	13	PASS		
		RB1#3				5.22	13	PASS		
		RB1#5				5.23	13	PASS		
		RB3#0				5.27	13	PASS		
		RB3#2				5.74	13	PASS		
	HCH	RB3#3				5.55	13	PASS		
		RB6#0				6.44	13	PASS		
		RB1#0				4.77	13	PASS		
		RB1#3				4.81	13	PASS		
		RB1#5				4.73	13	PASS		
		RB3#0				5.17	13	PASS		
			3	LCH	RB3#2	5.25	13	PASS		
					RB3#3	5.43	13	PASS		
RB6#0					6.19	13	PASS			
RB1#0					5.13	13	PASS			
RB1#7					5.84	13	PASS			
				RB1#14	5.27	13	PASS			
				RB8#0	6.22	13	PASS			
				RB8#4	6.23	13	PASS			



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
				RB8#7	6.15	13	PASS	
				RB15#0	6.47	13	PASS	
			MCH	RB1#0	5.12	13	PASS	
				RB1#7	4.95	13	PASS	
				RB1#14	5.20	13	PASS	
				RB8#0	6.28	13	PASS	
				RB8#4	6.20	13	PASS	
				RB8#7	6.33	13	PASS	
			HCH	RB15#0	6.34	13	PASS	
				RB1#0	4.78	13	PASS	
				RB1#7	5.00	13	PASS	
				RB1#14	4.65	13	PASS	
				RB8#0	6.05	13	PASS	
				RB8#4	5.97	13	PASS	
		5	LCH		RB8#7	6.01	13	PASS
					RB15#0	6.43	13	PASS
					RB1#0	5.11	13	PASS
					RB1#13	5.09	13	PASS
					RB1#24	5.26	13	PASS
					RB12#0	6.44	13	PASS
					RB12#6	6.38	13	PASS
			MCH	RB12#13	6.17	13	PASS	
				RB25#0	6.72	13	PASS	
				RB1#0	4.98	13	PASS	
				RB1#13	5.08	13	PASS	
				RB1#24	5.25	13	PASS	
				RB12#0	6.39	13	PASS	
				RB12#6	6.05	13	PASS	
			HCH	RB12#13	6.63	13	PASS	
				RB25#0	6.48	13	PASS	
RB1#0	4.72	13		PASS				
RB1#13	4.57	13		PASS				
RB1#24	4.48	13		PASS				
RB12#0	6.47	13		PASS				
RB12#6	6.36	13		PASS				
10	LCH	RB12#13	5.81	13	PASS			
		RB25#0	6.70	13	PASS			
		RB1#0	5.04	13	PASS			
				RB1#25	5.22	13	PASS	



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#49	4.89	13	PASS
				RB25#0	6.42	13	PASS
				RB25#13	6.41	13	PASS
				RB25#25	6.44	13	PASS
				RB50#0	6.67	13	PASS
			MCH	RB1#0	4.65	13	PASS
				RB1#25	5.20	13	PASS
				RB1#49	5.24	13	PASS
				RB25#0	6.27	13	PASS
				RB25#13	6.34	13	PASS
				RB25#25	6.57	13	PASS
			HCH	RB50#0	6.85	13	PASS
				RB1#0	5.19	13	PASS
				RB1#25	5.14	13	PASS
				RB1#49	4.63	13	PASS
				RB25#0	6.76	13	PASS
				RB25#13	6.45	13	PASS
			15	LCH	RB25#25	6.49	13
		RB50#0			6.81	13	PASS
		RB1#0			5.16	13	PASS
		RB1#38			4.93	13	PASS
		RB1#74			4.68	13	PASS
		RB38#0			6.67	13	PASS
		MCH		RB38#19	6.36	13	PASS
				RB38#39	6.28	13	PASS
				RB75#0	6.73	13	PASS
				RB1#0	4.75	13	PASS
				RB1#38	4.91	13	PASS
				RB1#74	5.42	13	PASS
		HCH		RB38#0	6.13	13	PASS
				RB38#19	6.23	13	PASS
				RB38#39	6.64	13	PASS
			RB75#0	6.85	13	PASS	
RB1#0	5.11		13	PASS			
RB1#38	4.96		13	PASS			
				RB1#74	4.76	13	PASS
				RB38#0	6.82	13	PASS
				RB38#19	6.73	13	PASS
				RB38#39	6.59	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB75#0	6.92	13	PASS
		20	LCH	RB1#0	5.02	13	PASS
				RB1#50	4.93	13	PASS
				RB1#99	4.80	13	PASS
				RB50#0	6.60	13	PASS
				RB50#25	6.35	13	PASS
				RB50#50	6.20	13	PASS
				RB100#0	6.74	13	PASS
				MCH	RB1#0	4.47	13
			RB1#50		5.19	13	PASS
			RB1#99		5.31	13	PASS
			RB50#0		6.33	13	PASS
			RB50#25		6.39	13	PASS
			RB50#50		6.84	13	PASS
			RB100#0		6.81	13	PASS
			HCH	RB1#0	5.24	13	PASS
				RB1#50	5.73	13	PASS
				RB1#99	4.95	13	PASS
				RB50#0	6.84	13	PASS
				RB50#25	6.78	13	PASS
				RB50#50	6.68	13	PASS
				RB100#0	7.09	13	PASS



## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

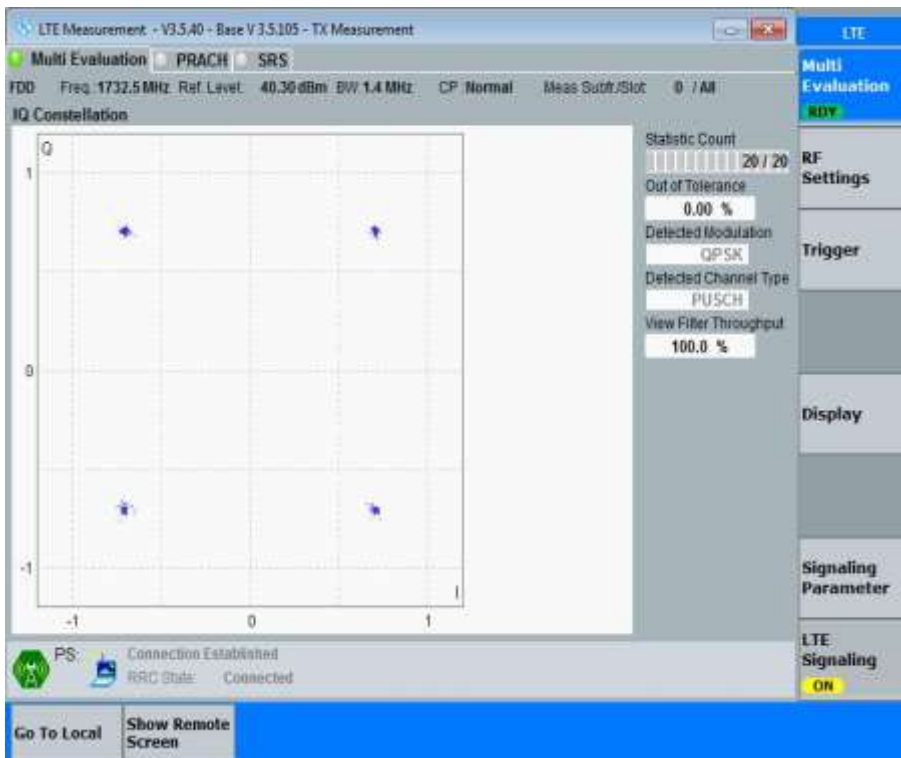
##### 3.1.1 Test Band = BAND4

##### 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

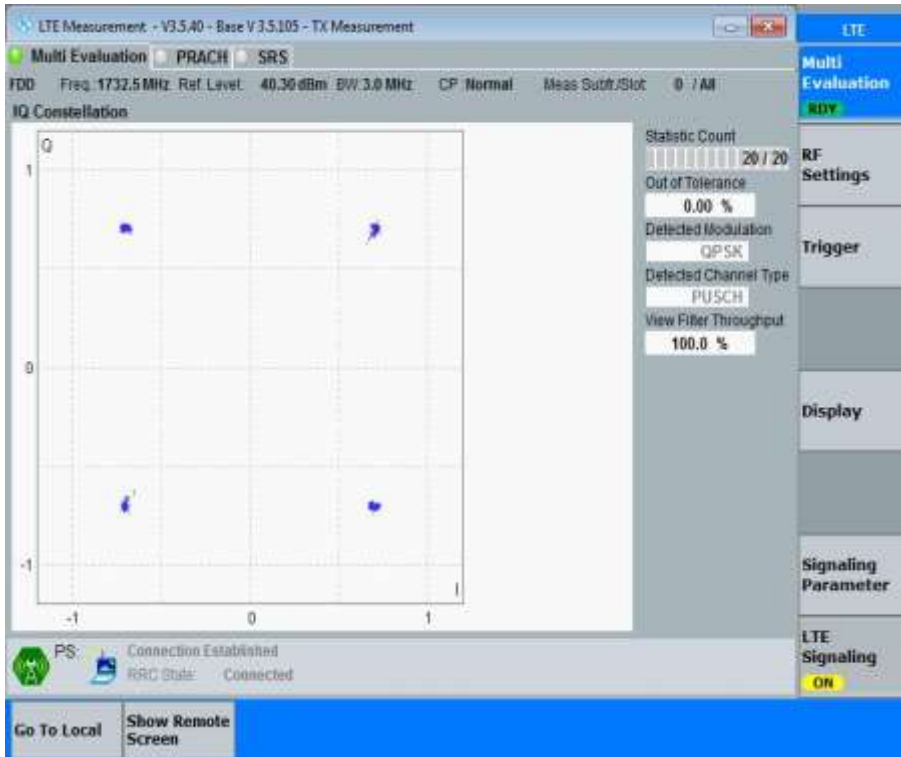
##### 3.1.1.1.1.1.1 Test RB = RB6#0



### 3.1.1.1.2 Test Bandwidth = 3

#### 3.1.1.1.2.1 Test Channel = MCH

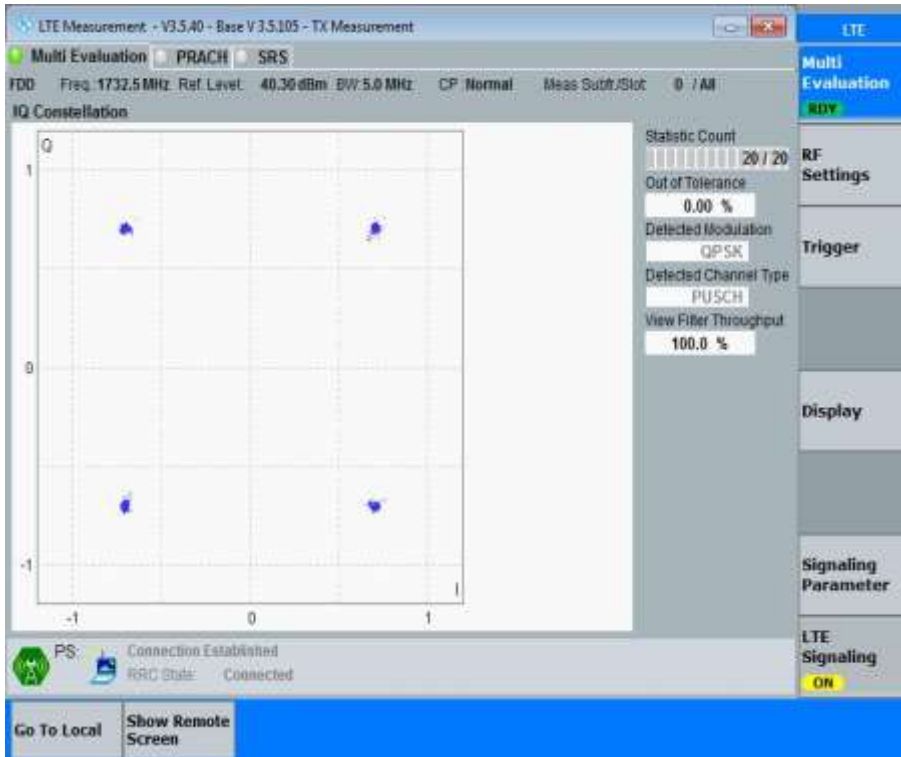
##### 3.1.1.1.2.1.1 Test RB = RB15#0



### 3.1.1.1.3 Test Bandwidth = 5

#### 3.1.1.1.3.1 Test Channel = MCH

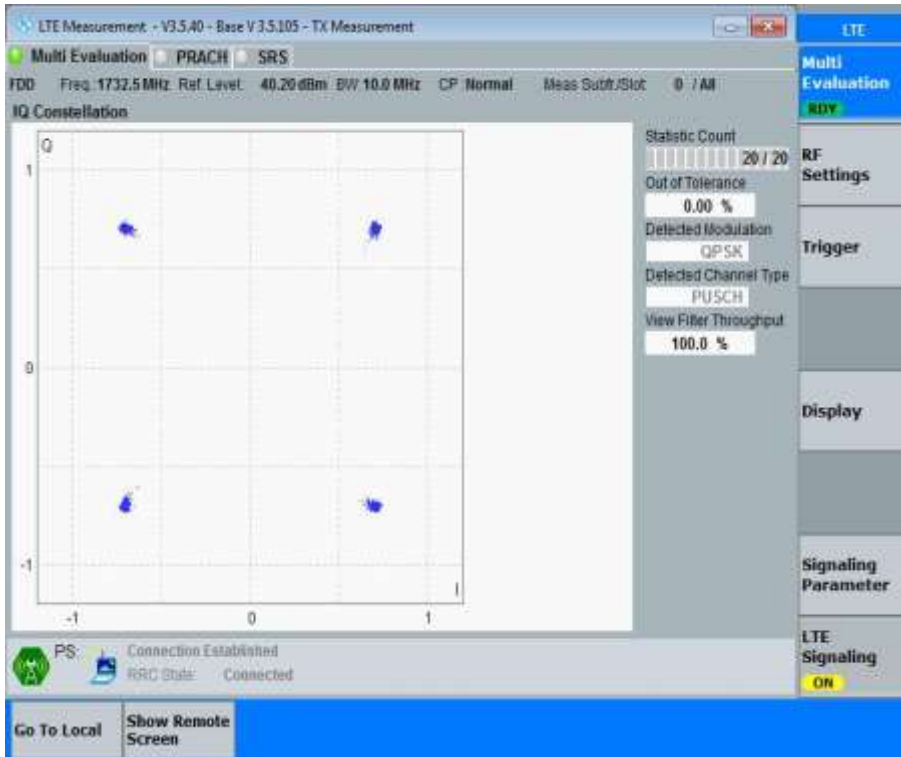
##### 3.1.1.1.3.1.1 Test RB = RB25#0



### 3.1.1.1.4 Test Bandwidth = 10

#### 3.1.1.1.4.1 Test Channel = MCH

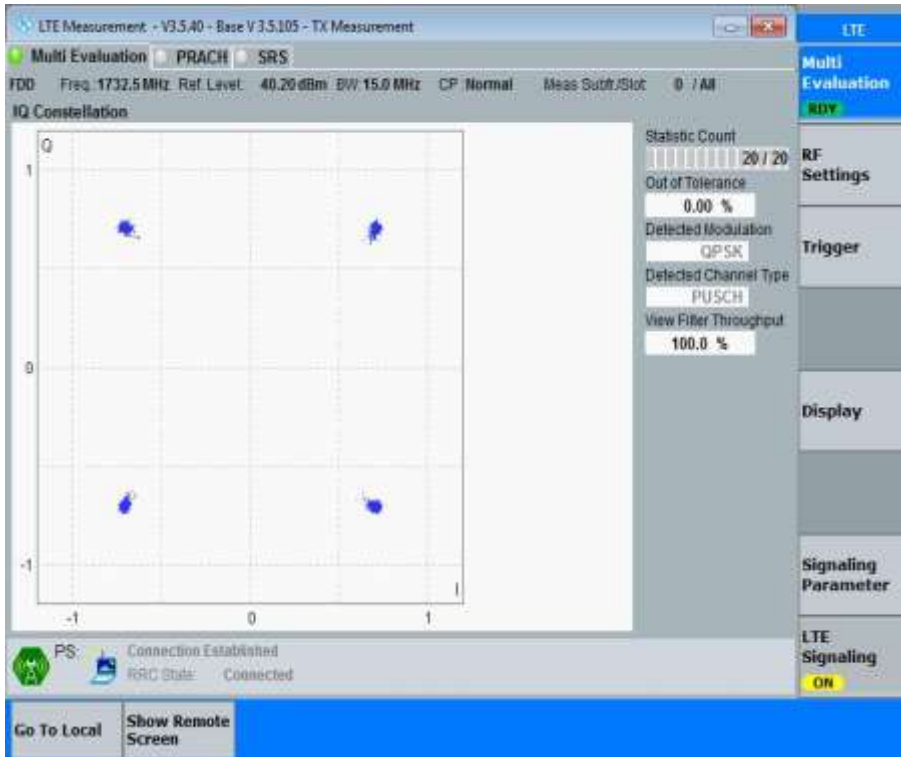
##### 3.1.1.1.4.1.1 Test RB = RB50#0



### 3.1.1.1.5 Test Bandwidth = 15

#### 3.1.1.1.5.1 Test Channel = MCH

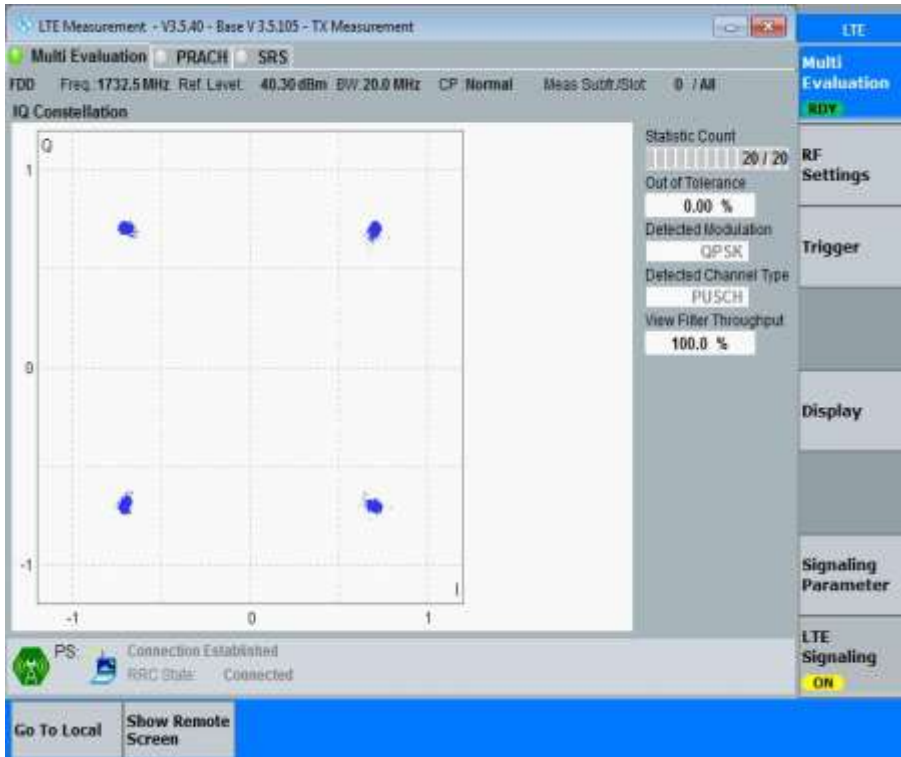
##### 3.1.1.1.5.1.1 Test RB = RB75#0



### 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

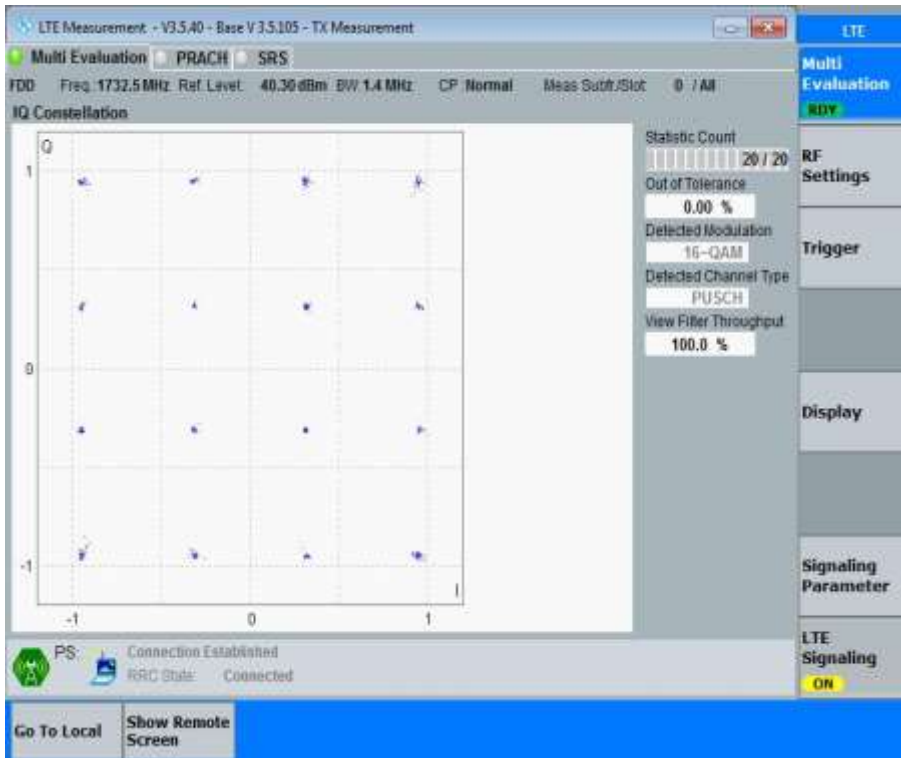


### 3.1.1.2 Test Mode = LTE/TM2

#### 3.1.1.2.1 Test Bandwidth = 1.4

##### 3.1.1.2.1.1 Test Channel = MCH

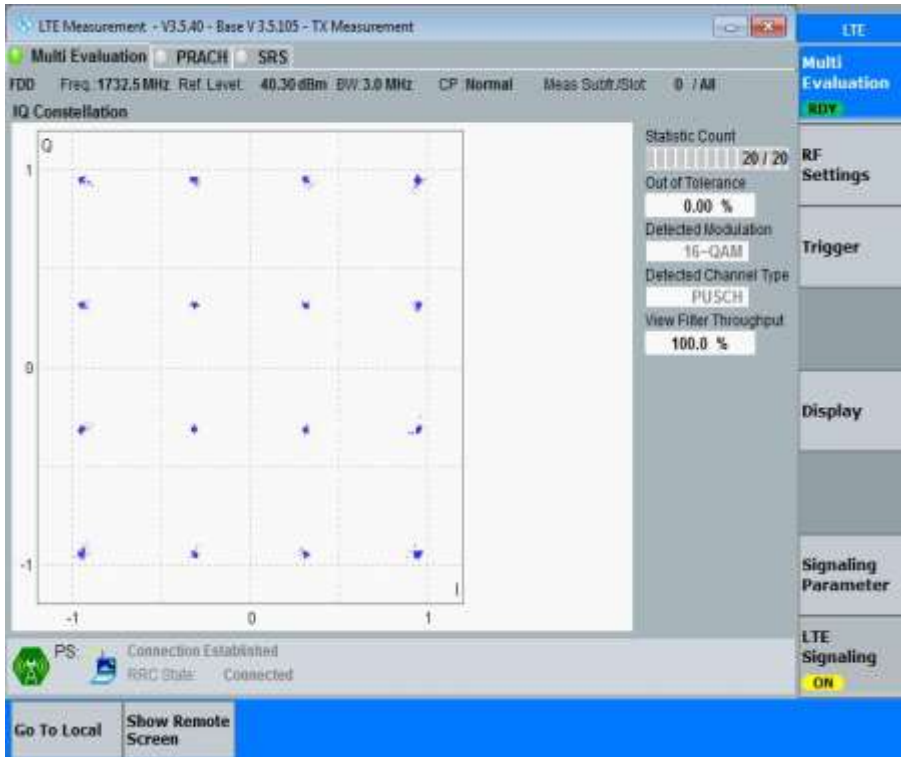
###### 3.1.1.2.1.1.1 Test RB = RB6#0



### 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

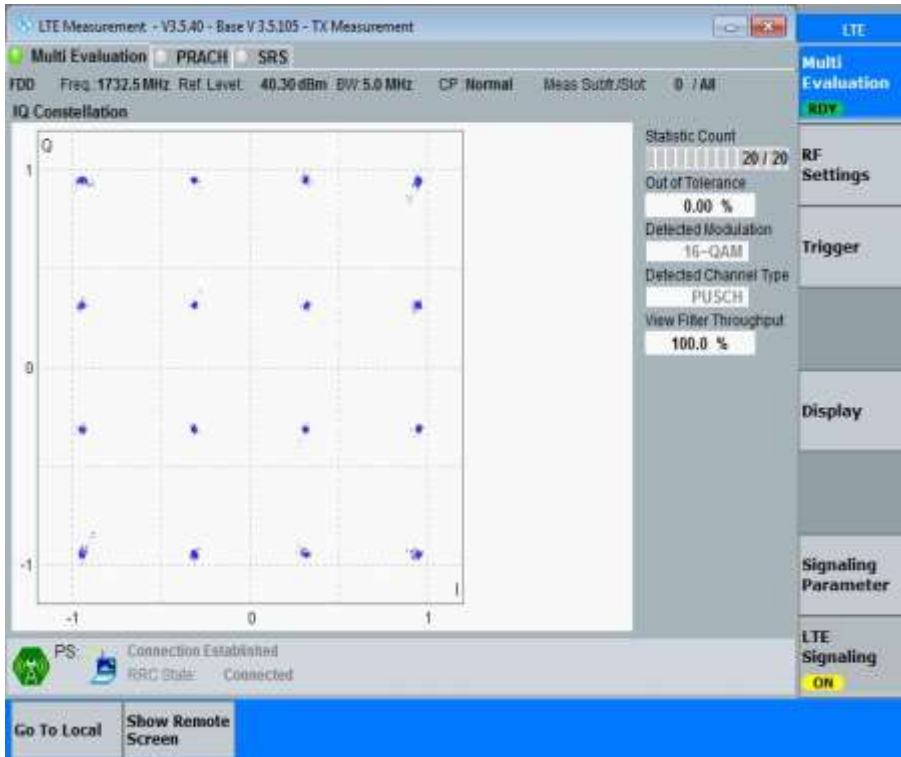




### 3.1.1.2.3 Test Bandwidth = 5

#### 3.1.1.2.3.1 Test Channel = MCH

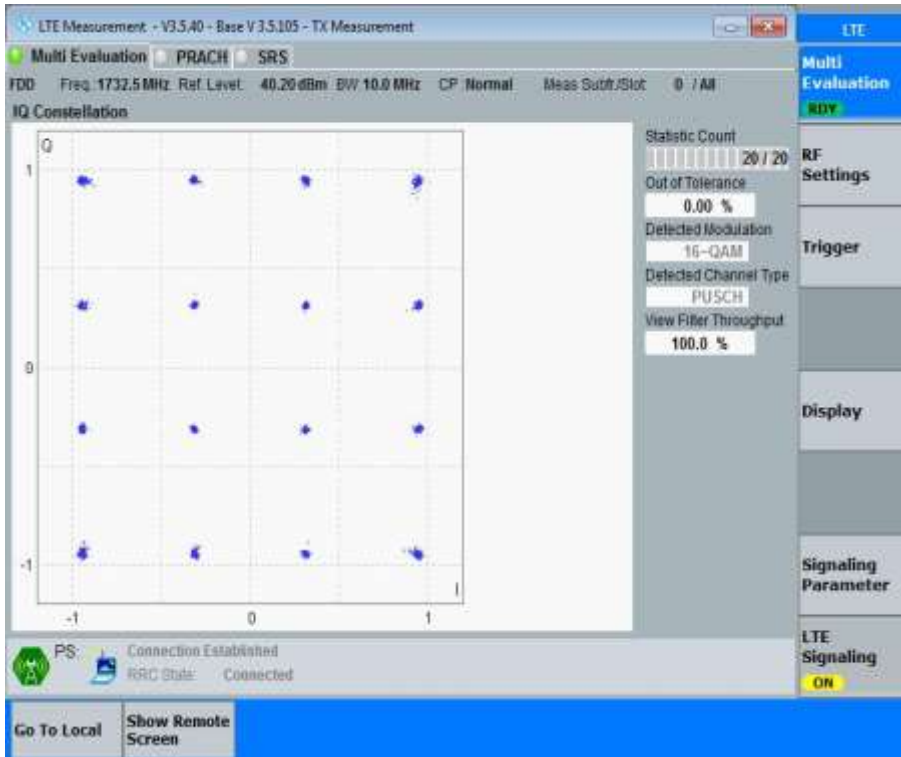
##### 3.1.1.2.3.1.1 Test RB = RB25#0



### 3.1.1.2.4 Test Bandwidth = 10

#### 3.1.1.2.4.1 Test Channel = MCH

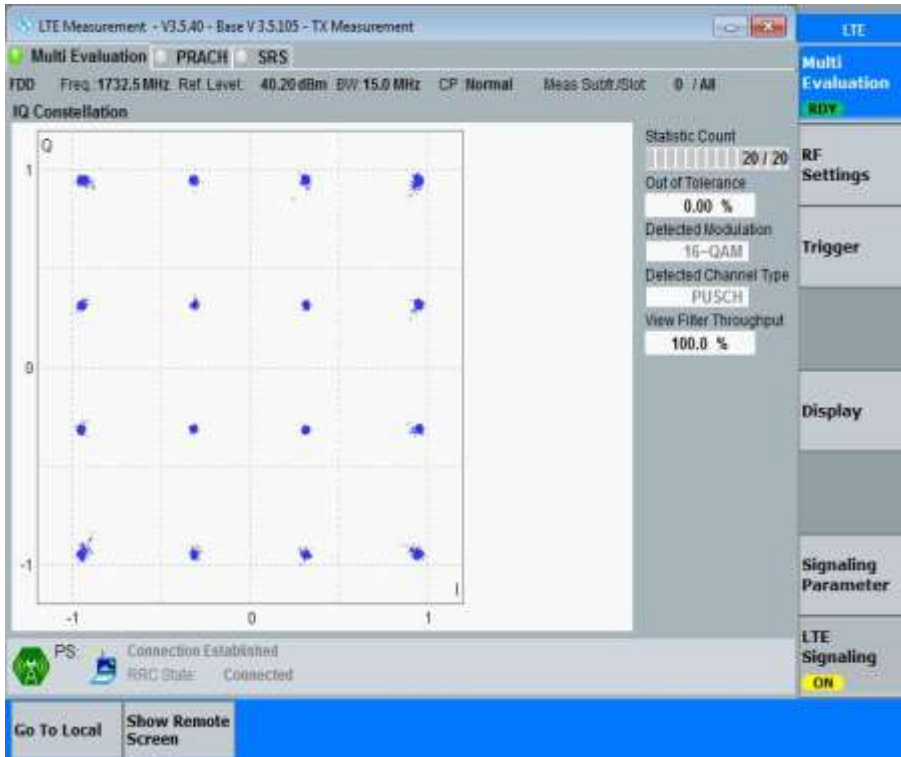
##### 3.1.1.2.4.1.1 Test RB = RB50#0



### 3.1.1.2.5 Test Bandwidth = 15

#### 3.1.1.2.5.1 Test Channel = MCH

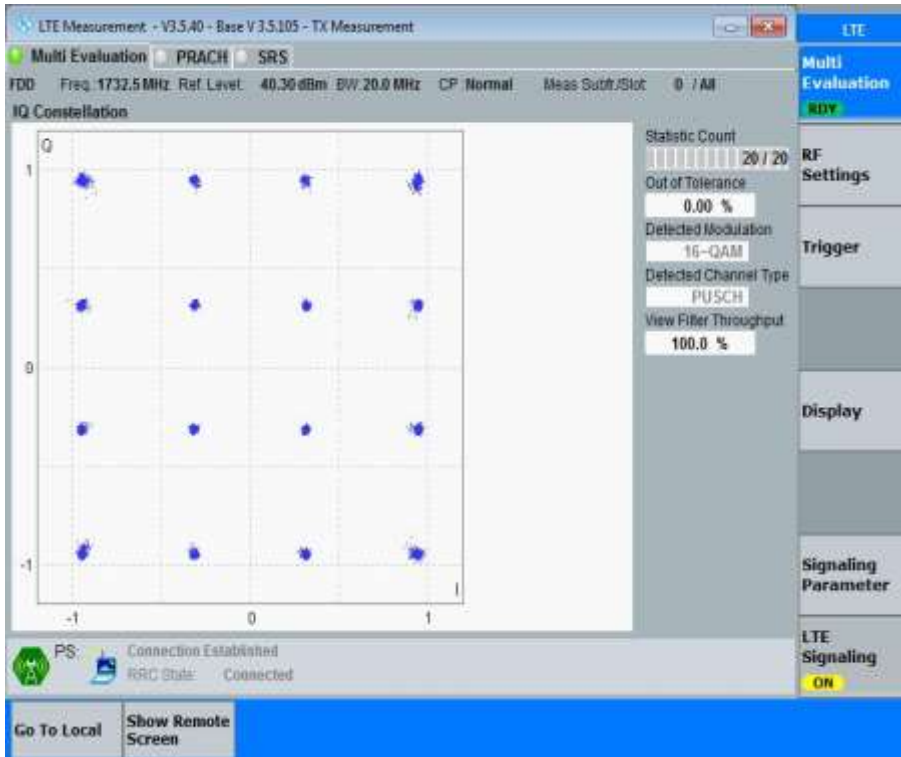
##### 3.1.1.2.5.1.1 Test RB = RB75#0



### 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	1.24	Pass
			MCH	RB6#0	1.10	1.23	Pass
			HCH	RB6#0	1.09	1.23	Pass
		3	LCH	RB15#0	2.71	2.98	Pass
			MCH	RB15#0	2.72	2.98	Pass
			HCH	RB15#0	2.71	2.97	Pass
		5	LCH	RB25#0	4.51	5.06	Pass
			MCH	RB25#0	4.51	4.97	Pass
			HCH	RB25#0	4.50	4.97	Pass
		10	LCH	RB50#0	9.00	9.96	Pass
			MCH	RB50#0	8.99	9.92	Pass
			HCH	RB50#0	9.00	9.92	Pass
	15	LCH	RB75#0	13.50	14.96	Pass	
		MCH	RB75#0	13.49	14.99	Pass	
		HCH	RB75#0	13.53	15.10	Pass	
	20	LCH	RB100#0	18.00	19.77	Pass	
		MCH	RB100#0	18.03	19.86	Pass	
		HCH	RB100#0	18.00	19.81	Pass	
	LTE/TM2	1.4	LCH	RB6#0	1.10	1.24	Pass
			MCH	RB6#0	1.10	1.28	Pass
			HCH	RB6#0	1.10	1.24	Pass
		3	LCH	RB15#0	2.71	2.98	Pass
			MCH	RB15#0	2.72	2.99	Pass
			HCH	RB15#0	2.71	3.02	Pass
5		LCH	RB25#0	4.51	4.96	Pass	
		MCH	RB25#0	4.52	4.98	Pass	
		HCH	RB25#0	4.49	4.94	Pass	
10		LCH	RB50#0	9.00	9.94	Pass	
		MCH	RB50#0	9.01	9.92	Pass	
		HCH	RB50#0	9.00	9.92	Pass	
15	LCH	RB75#0	13.49	14.99	Pass		
	MCH	RB75#0	13.51	15.00	Pass		
	HCH	RB75#0	13.51	15.03	Pass		
20	LCH	RB100#0	17.98	19.84	Pass		
	MCH	RB100#0	18.02	19.89	Pass		



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Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
			HCH	RB100#0	18.06	19.88	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

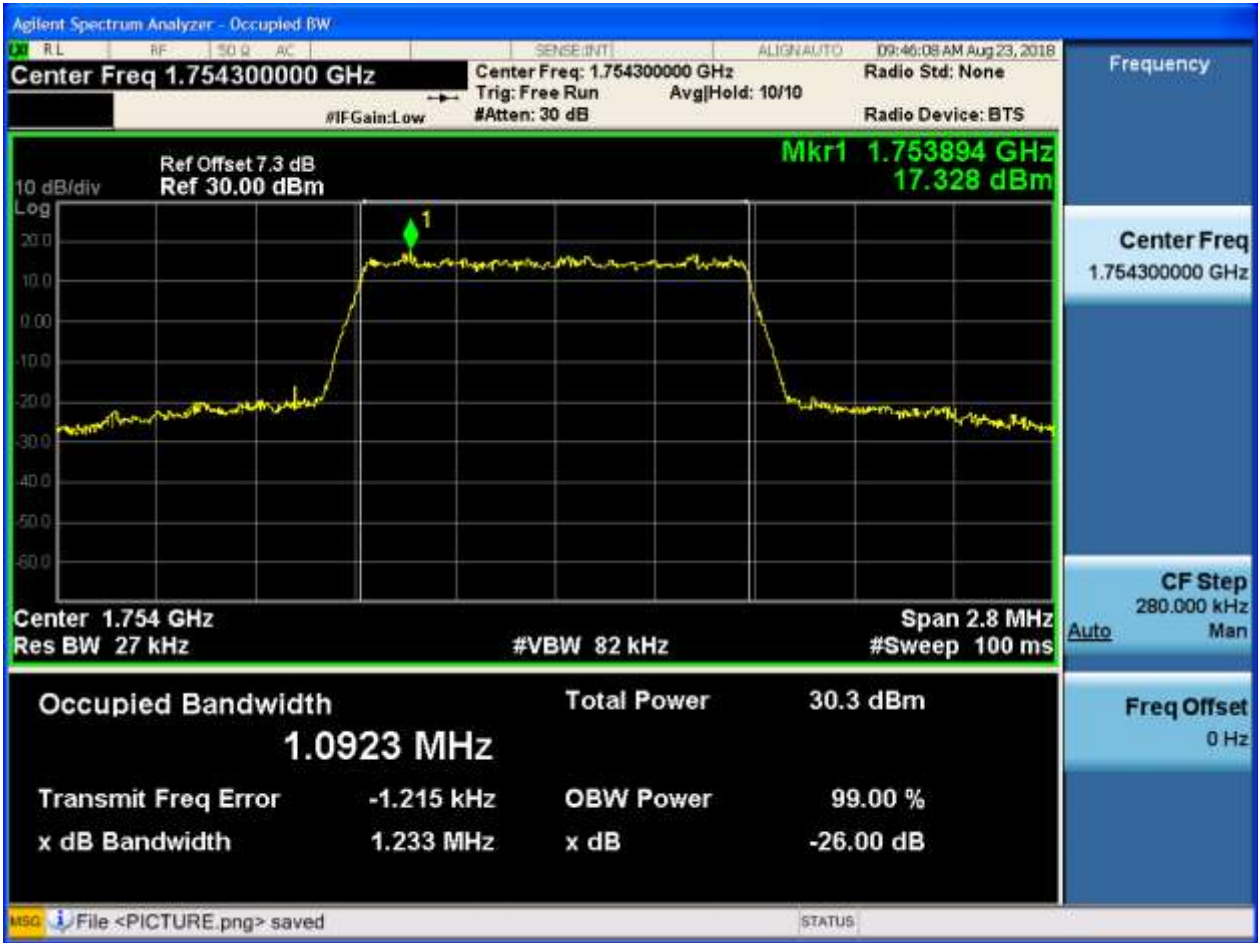
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

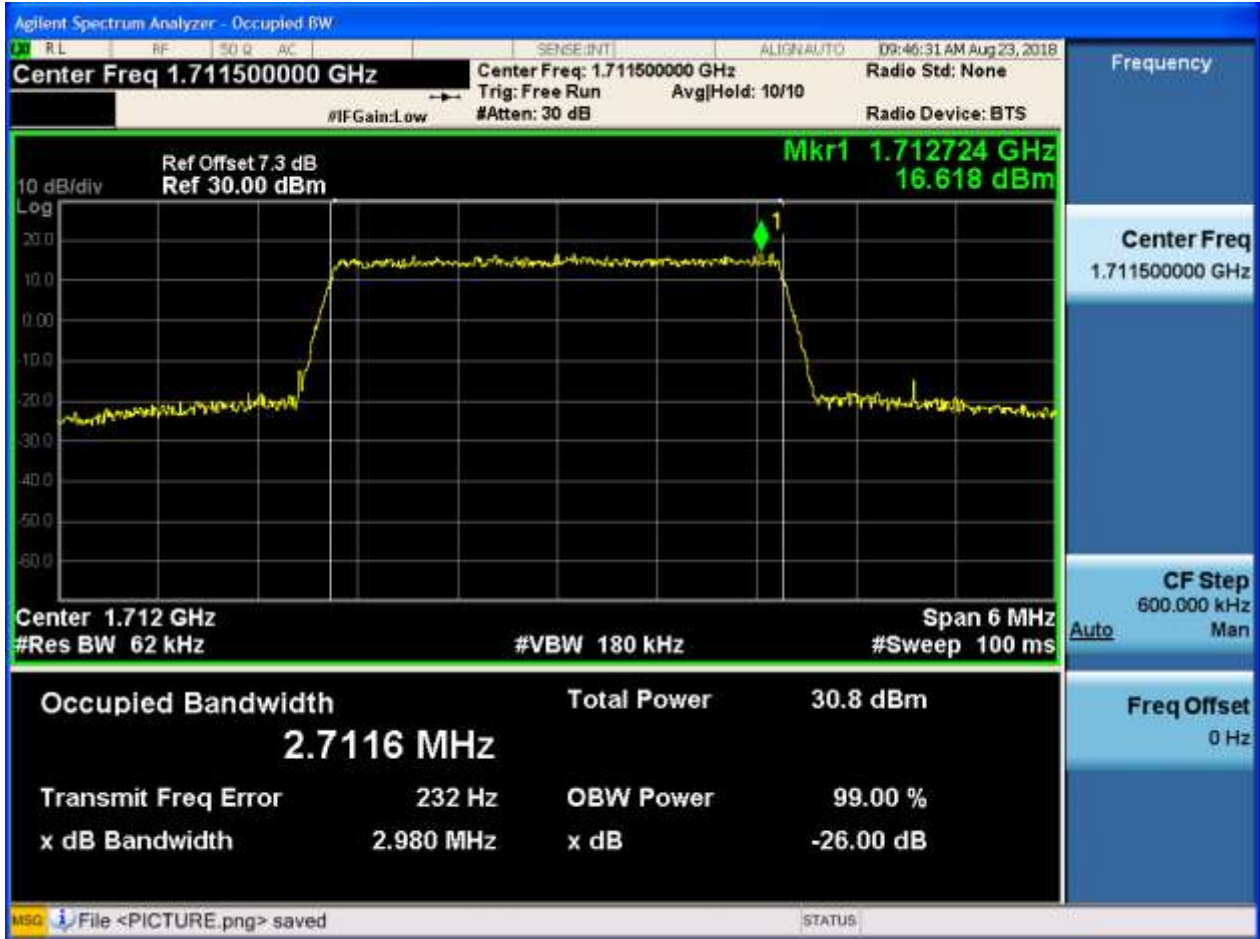
4.1.1.1.1.3.1 Test RB = RB6#0



4.1.1.1.2 Test Bandwidth = 3

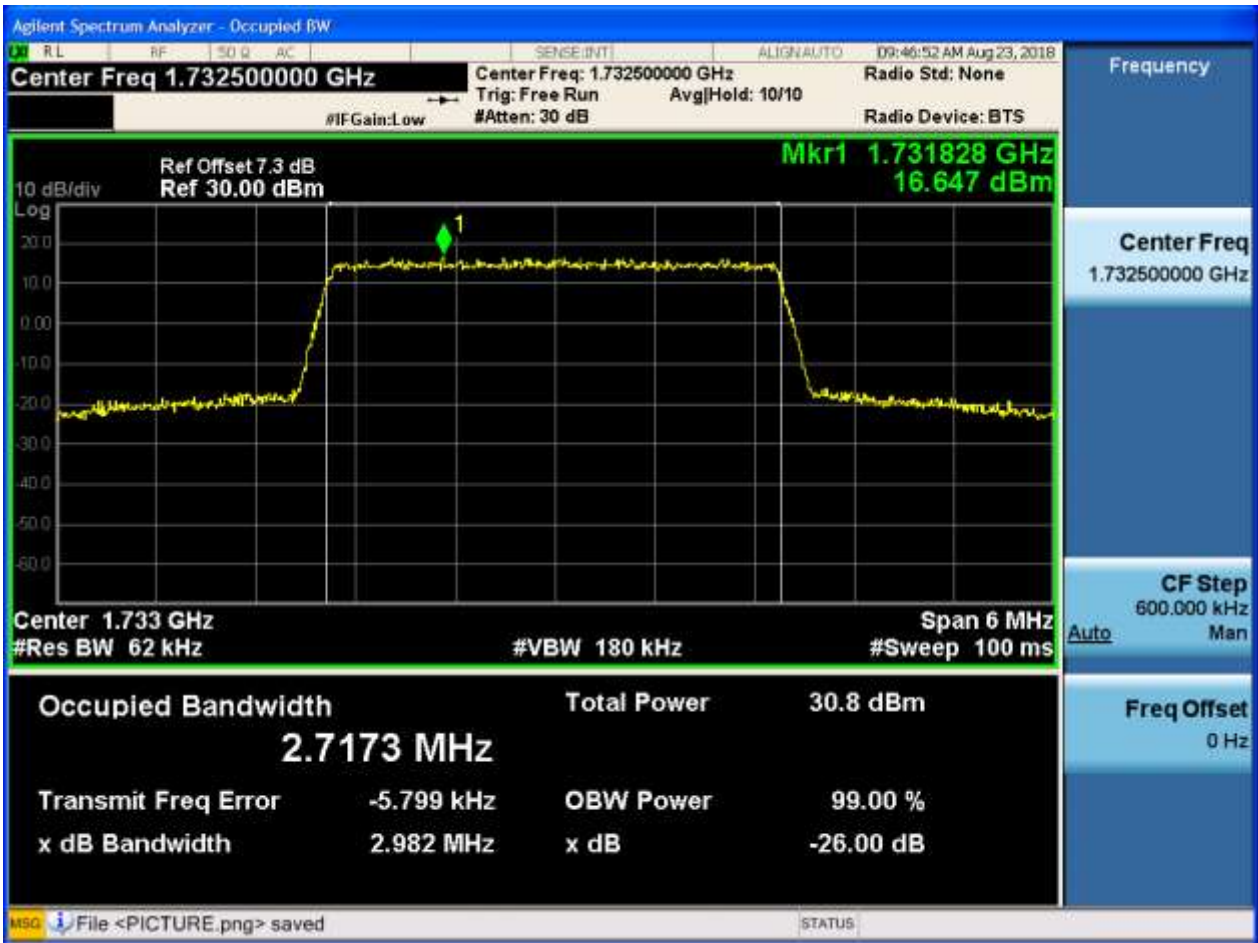
4.1.1.1.2.1 Test Channel = LCH

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

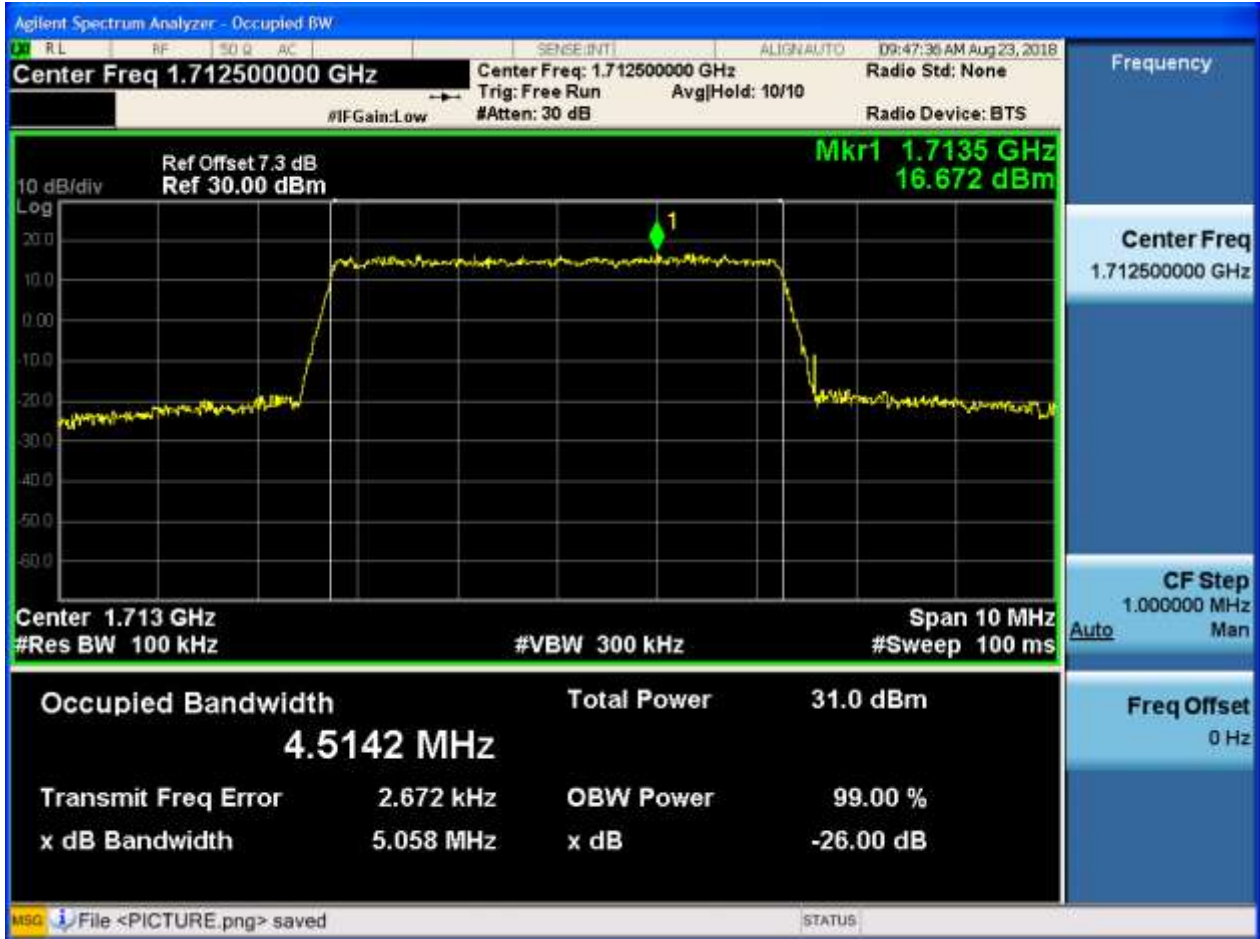
4.1.1.1.2.3.1 Test RB = RB15#0



4.1.1.1.3 Test Bandwidth = 5

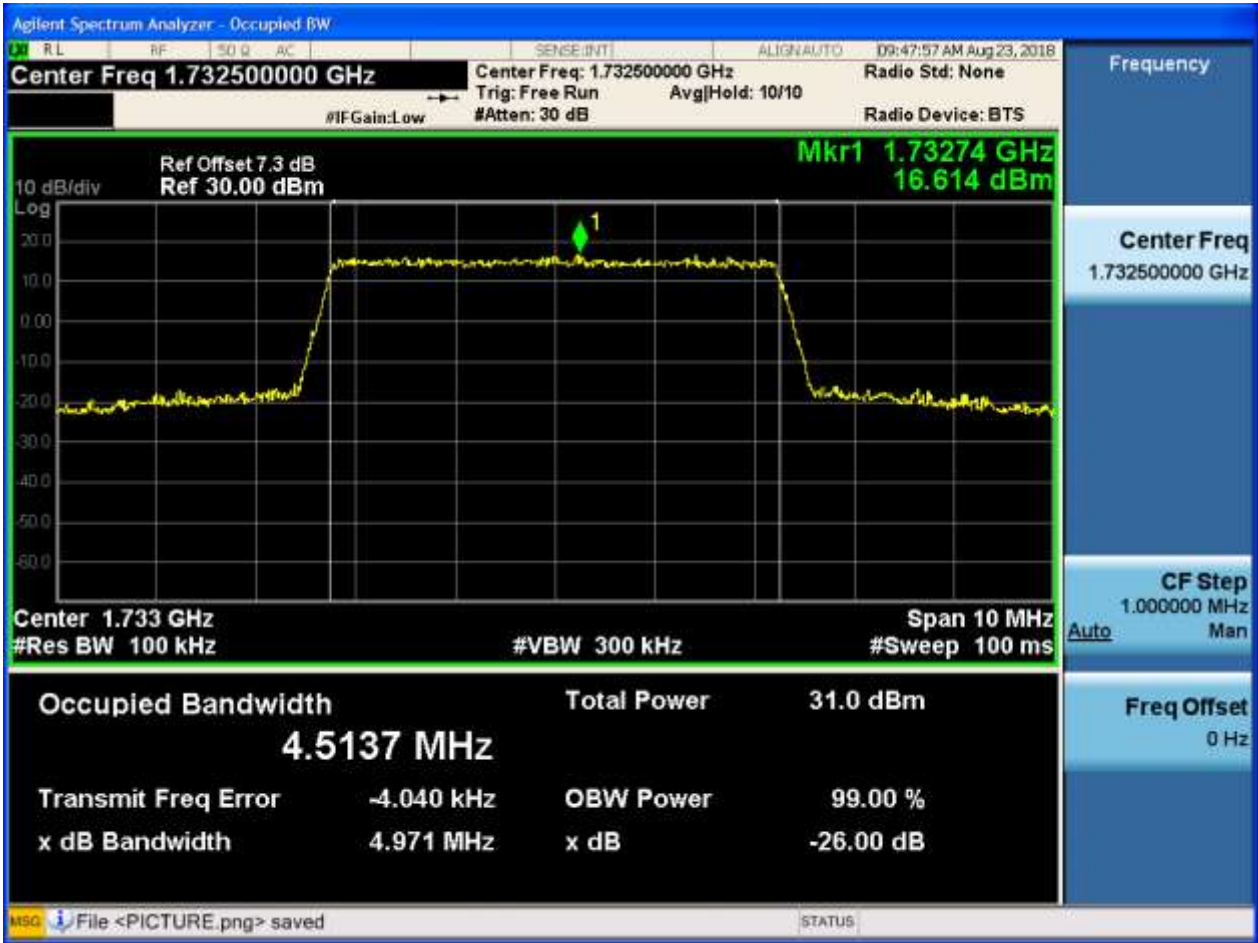
4.1.1.1.3.1 Test Channel = LCH

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

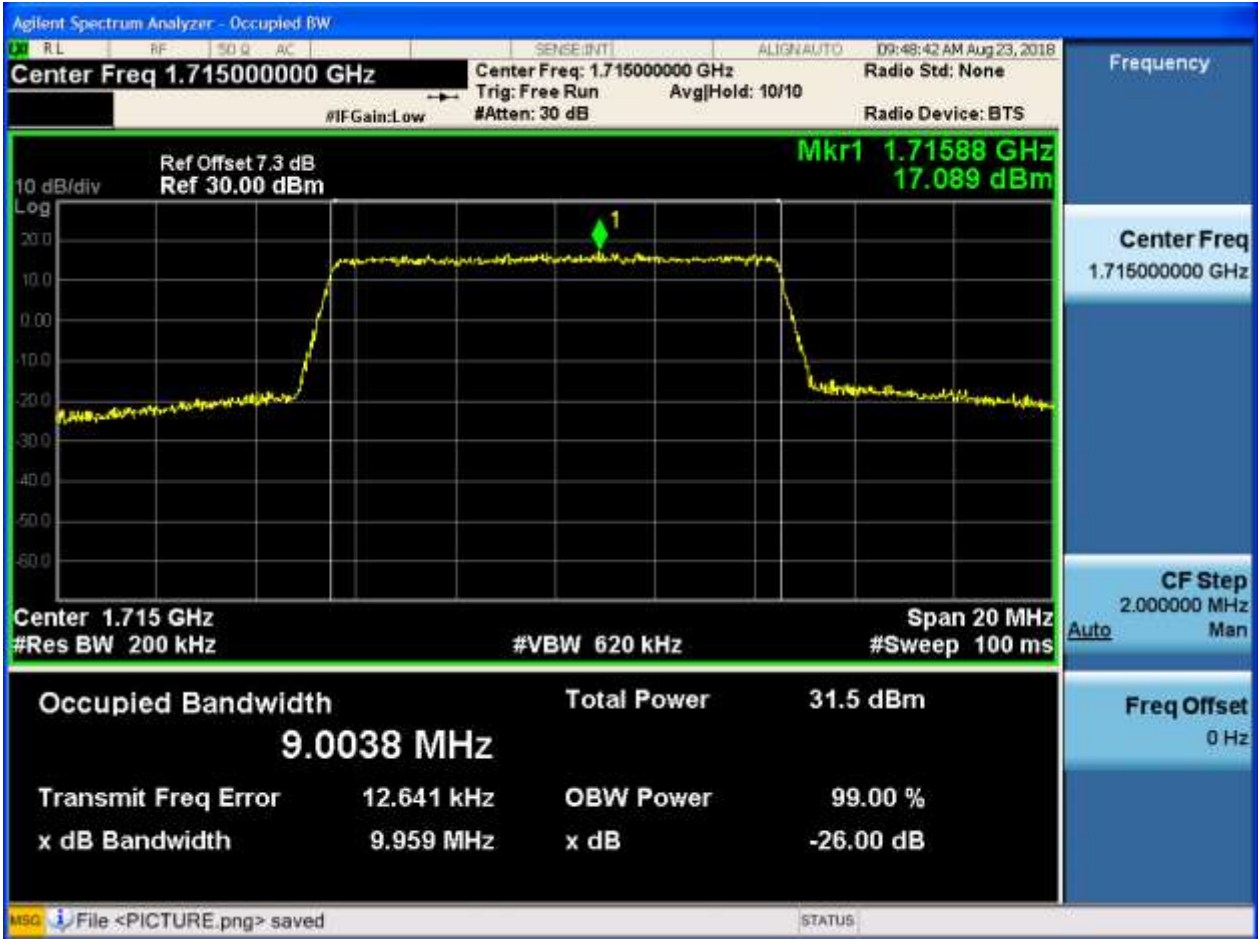
4.1.1.1.3.3.1 Test RB = RB25#0



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







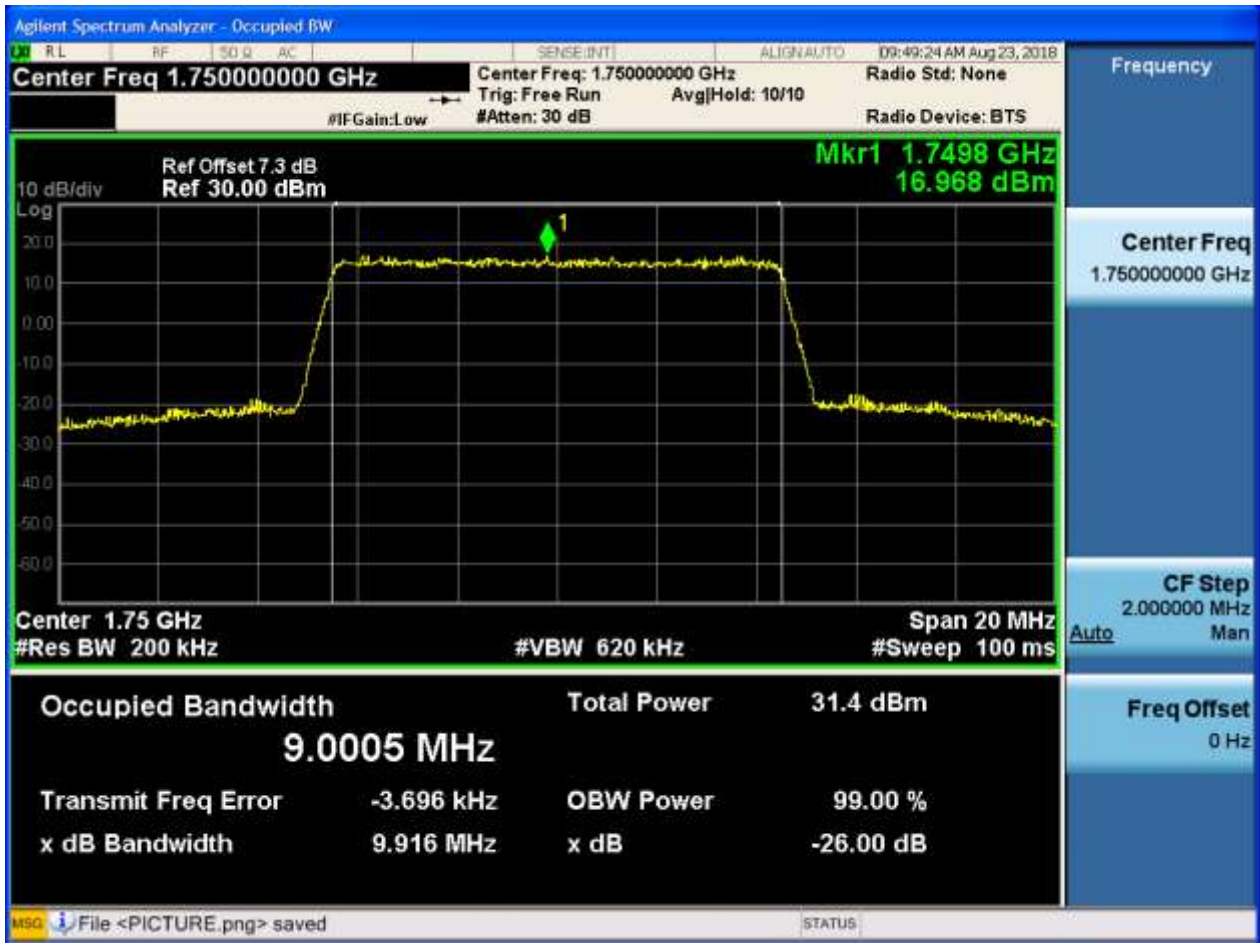
4.1.1.1.4.2 Test Channel = MCH

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

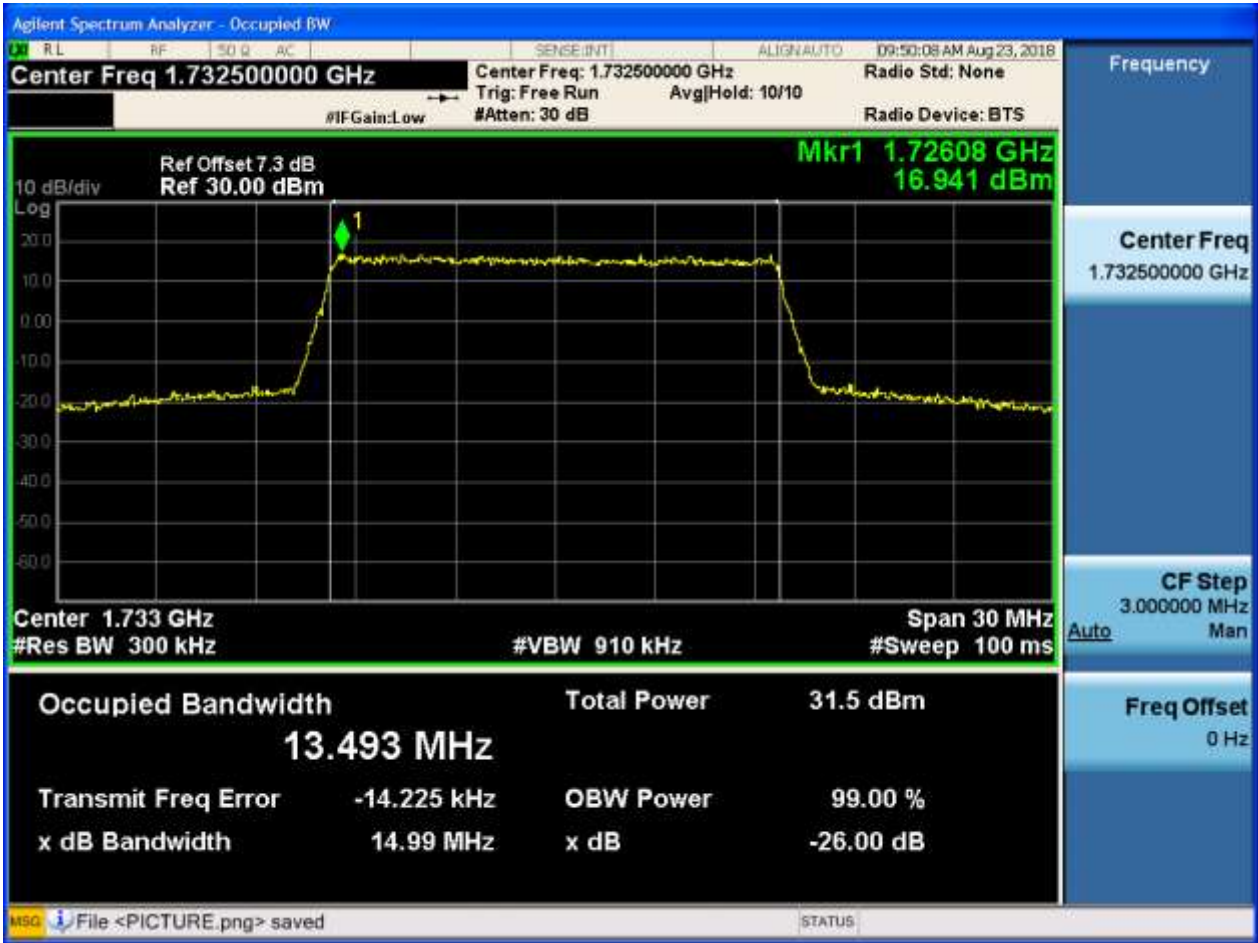
4.1.1.1.5.1 Test Channel = LCH

4.1.1.1.5.1.1 Test RB = RB75#0



4.1.1.1.5.2 Test Channel = MCH

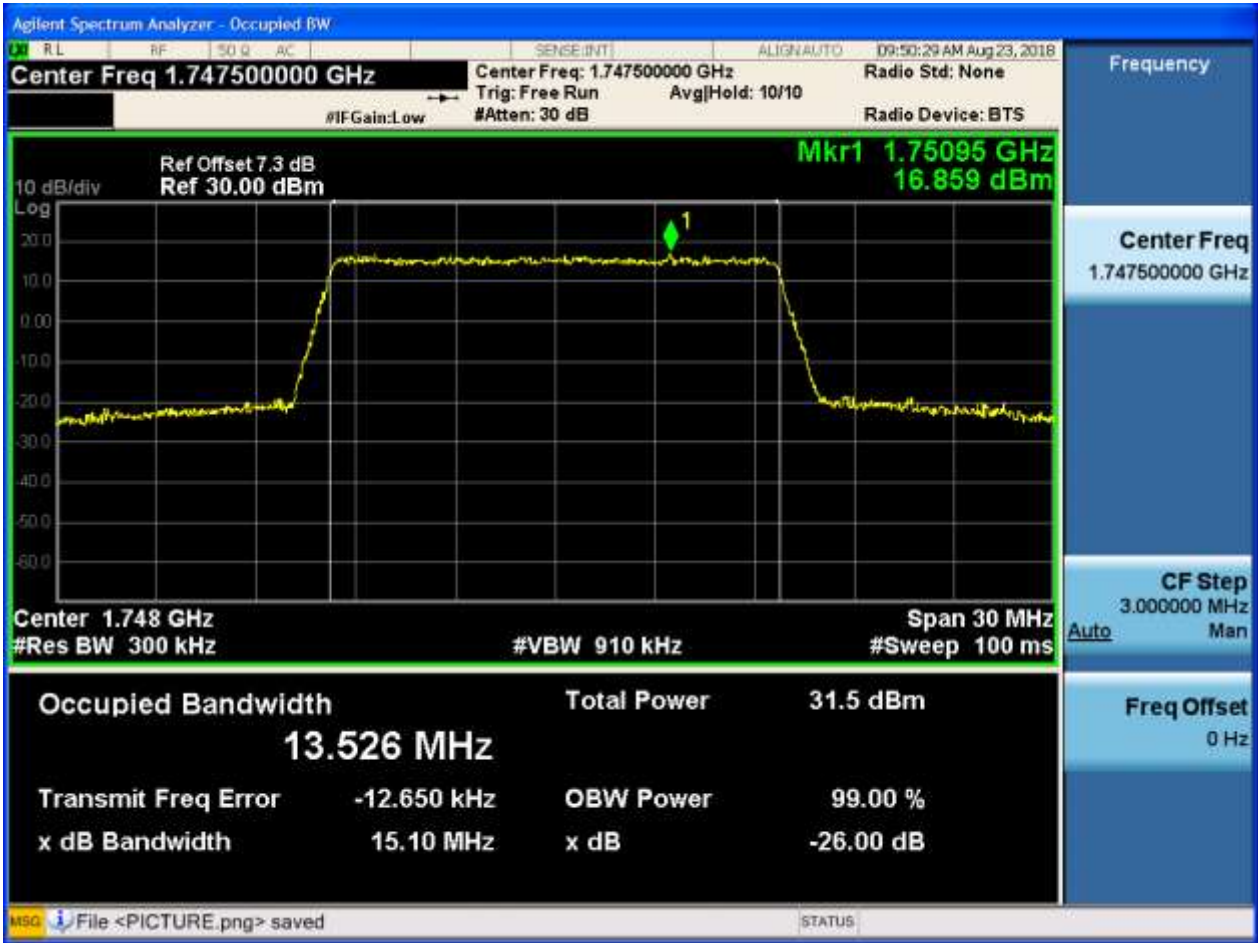
4.1.1.1.5.2.1 Test RB = RB75#0





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

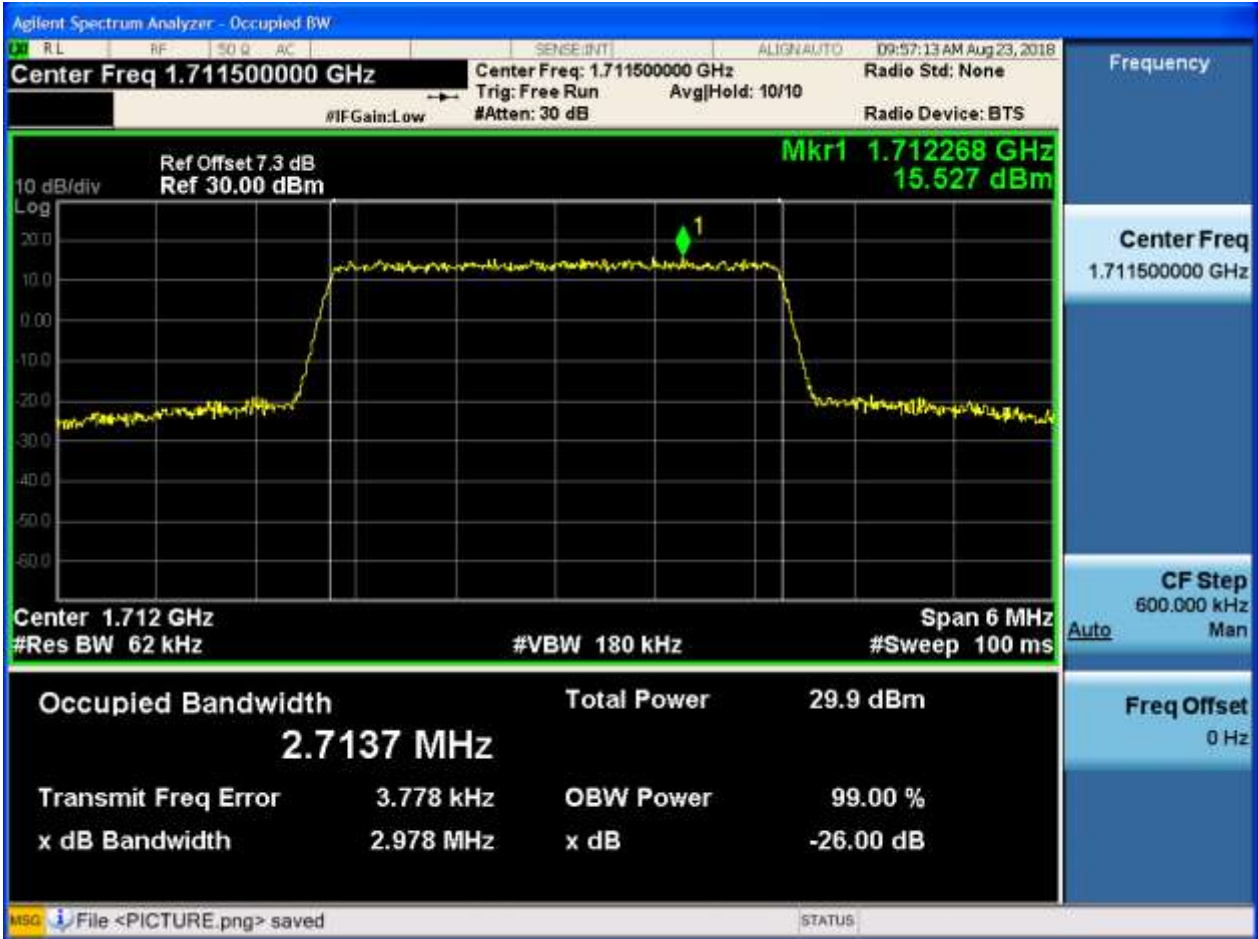
4.1.1.2.1.3.1 Test RB = RB6#0



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



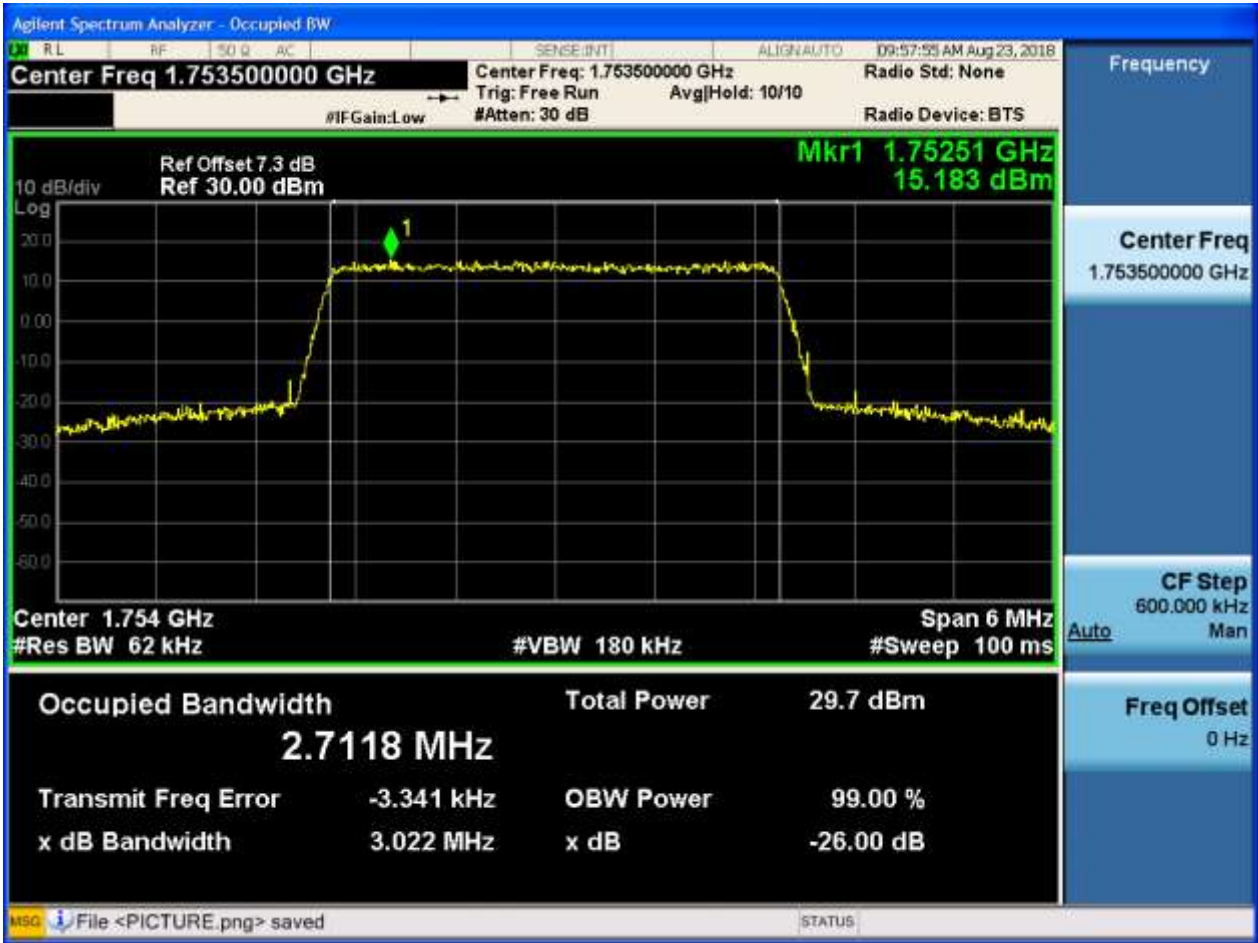
4.1.1.2.2.2 Test Channel = MCH

4.1.1.2.2.2.1 Test RB = RB15#0



4.1.1.2.2.3 Test Channel = HCH

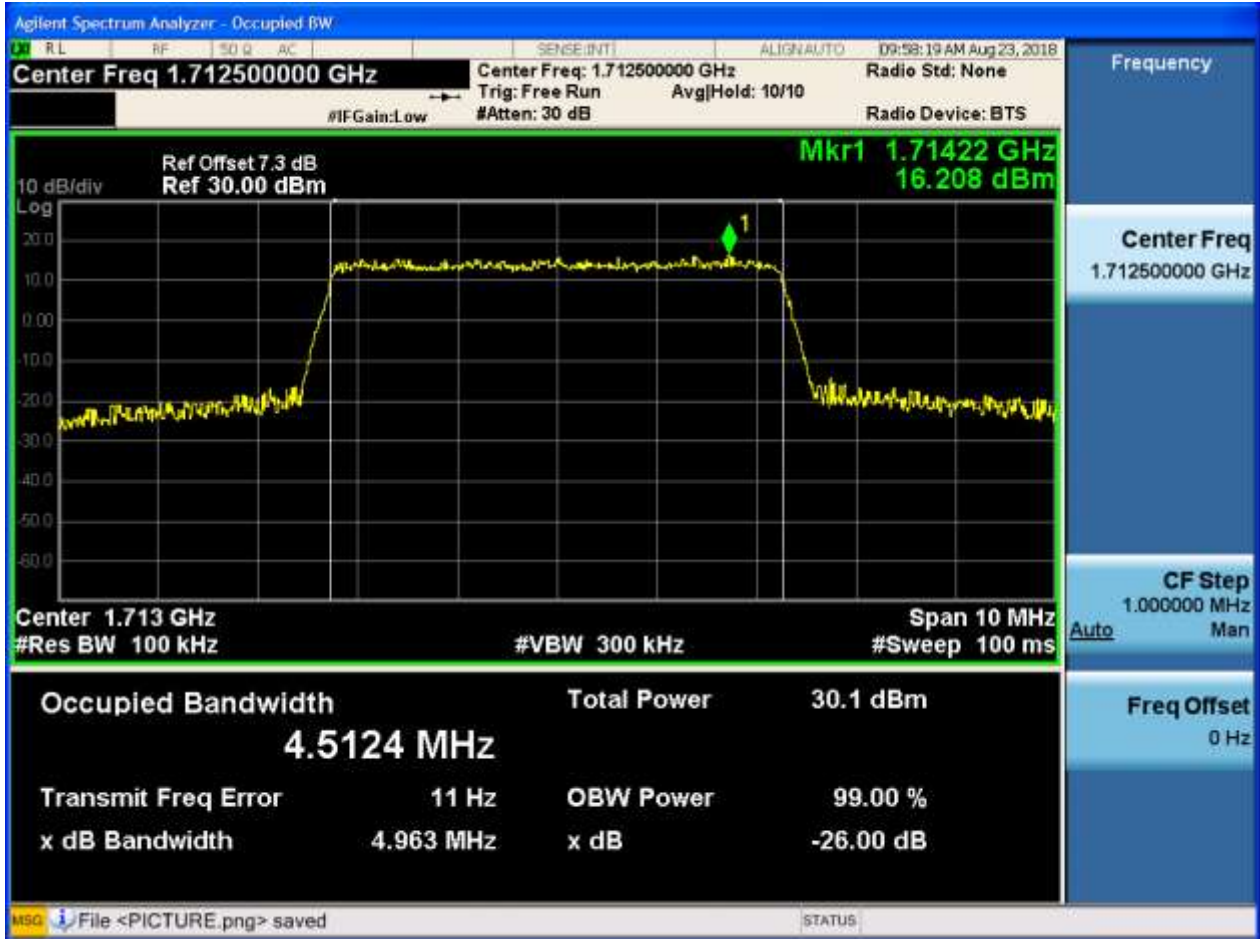
4.1.1.2.2.3.1 Test RB = RB15#0



4.1.1.2.3 Test Bandwidth = 5

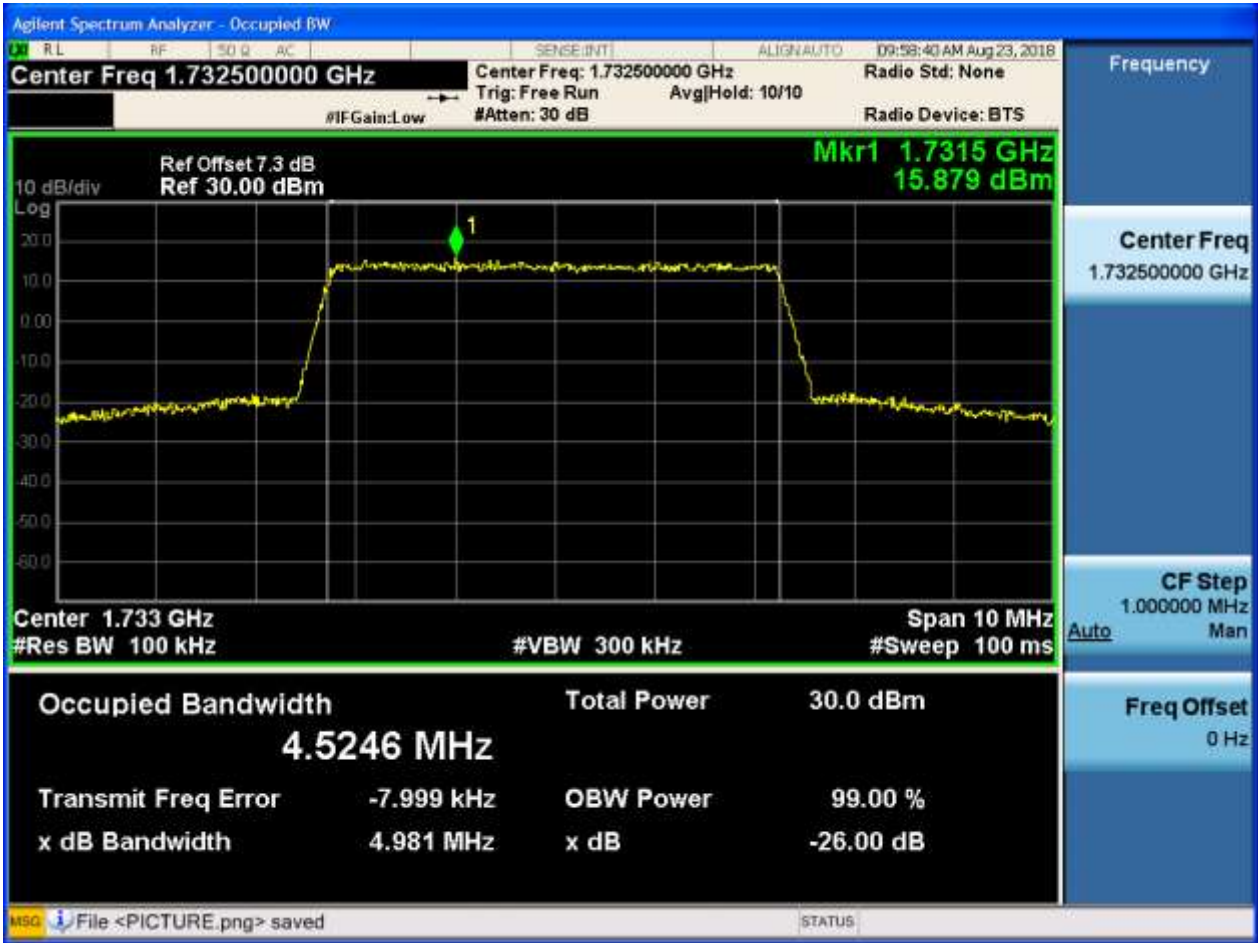
4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB25#0



4.1.1.2.3.2 Test Channel = MCH

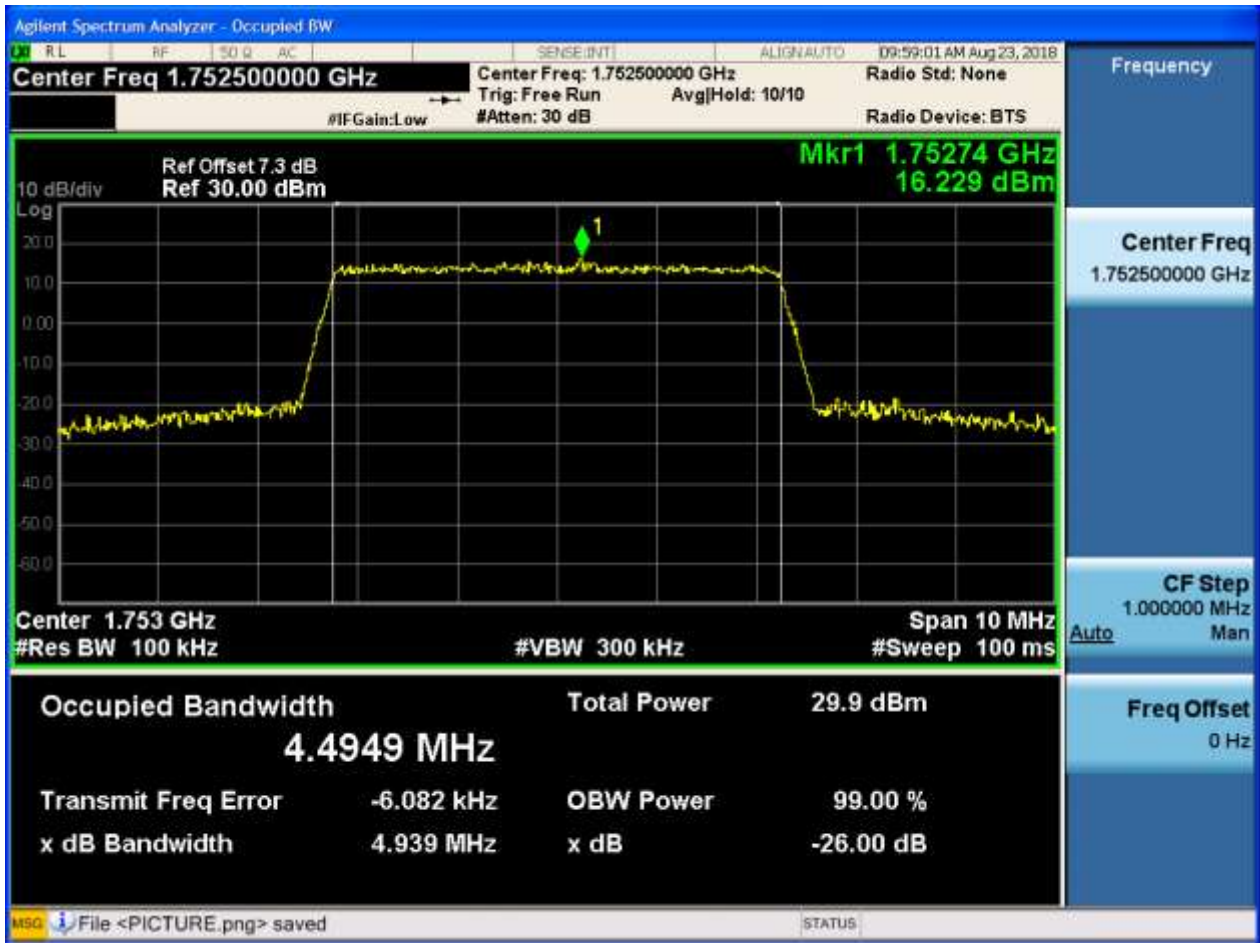
4.1.1.2.3.2.1 Test RB = RB25#0





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

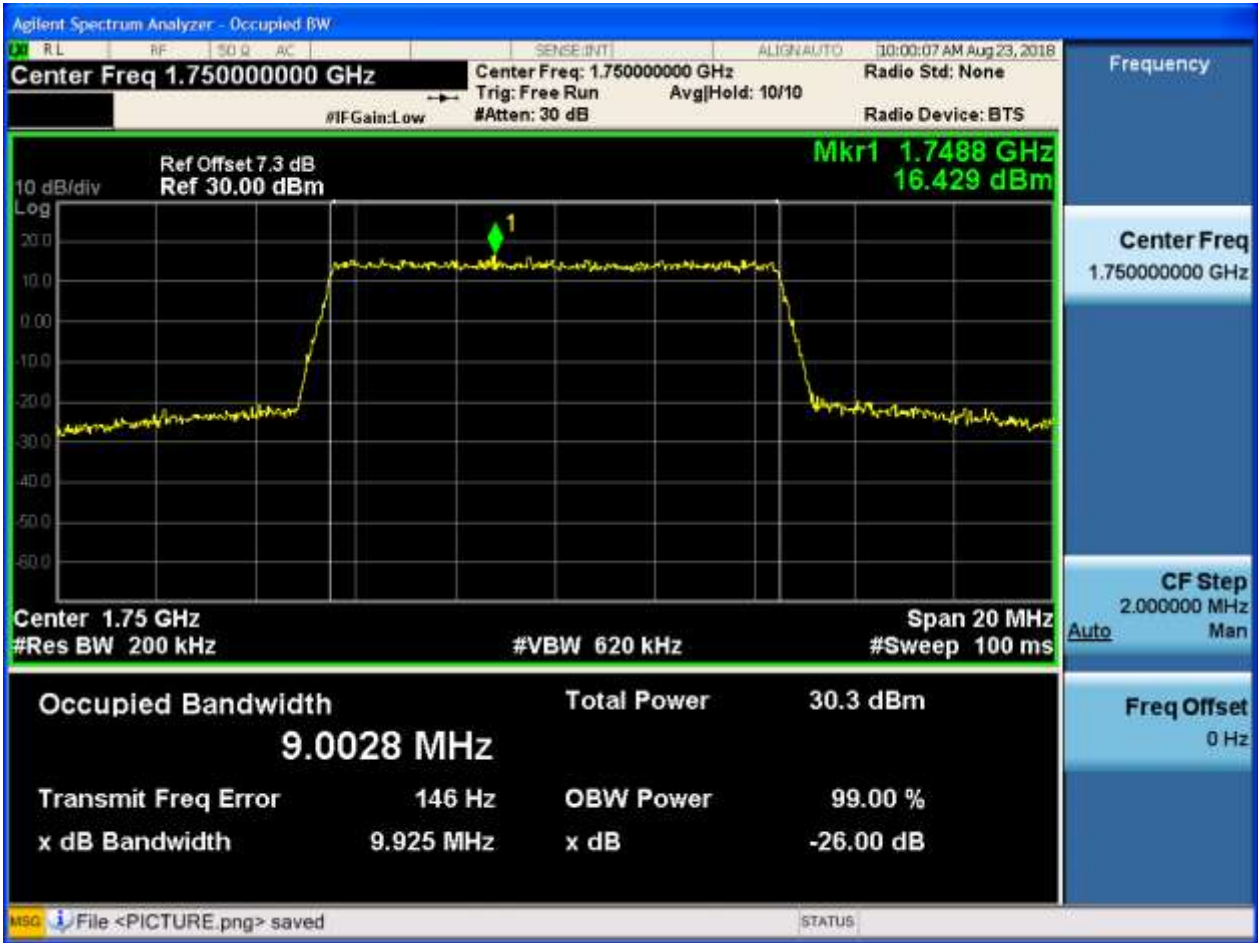
4.1.1.2.4.2.1 Test RB = RB50#0





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





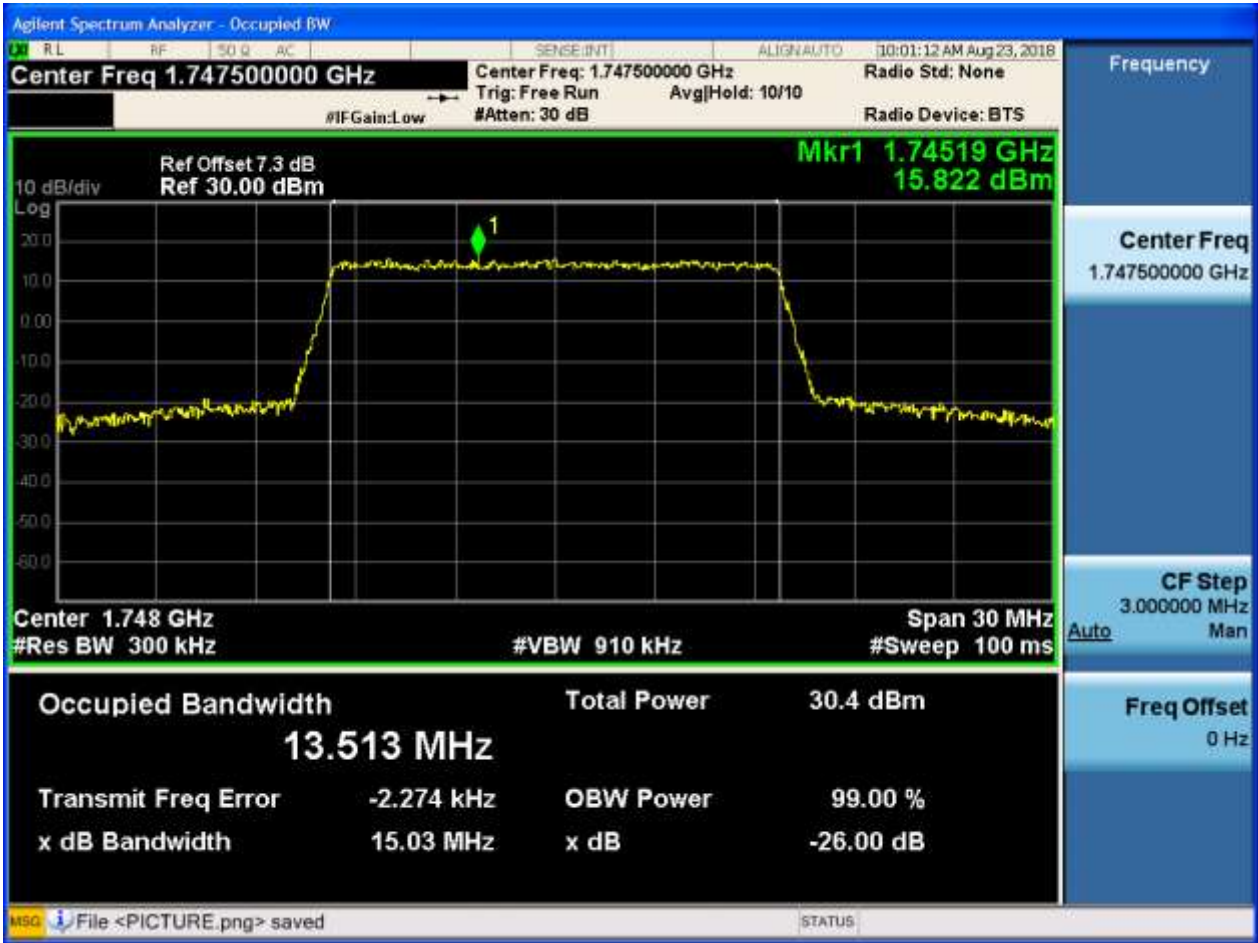
4.1.1.2.5.2 Test Channel = MCH

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

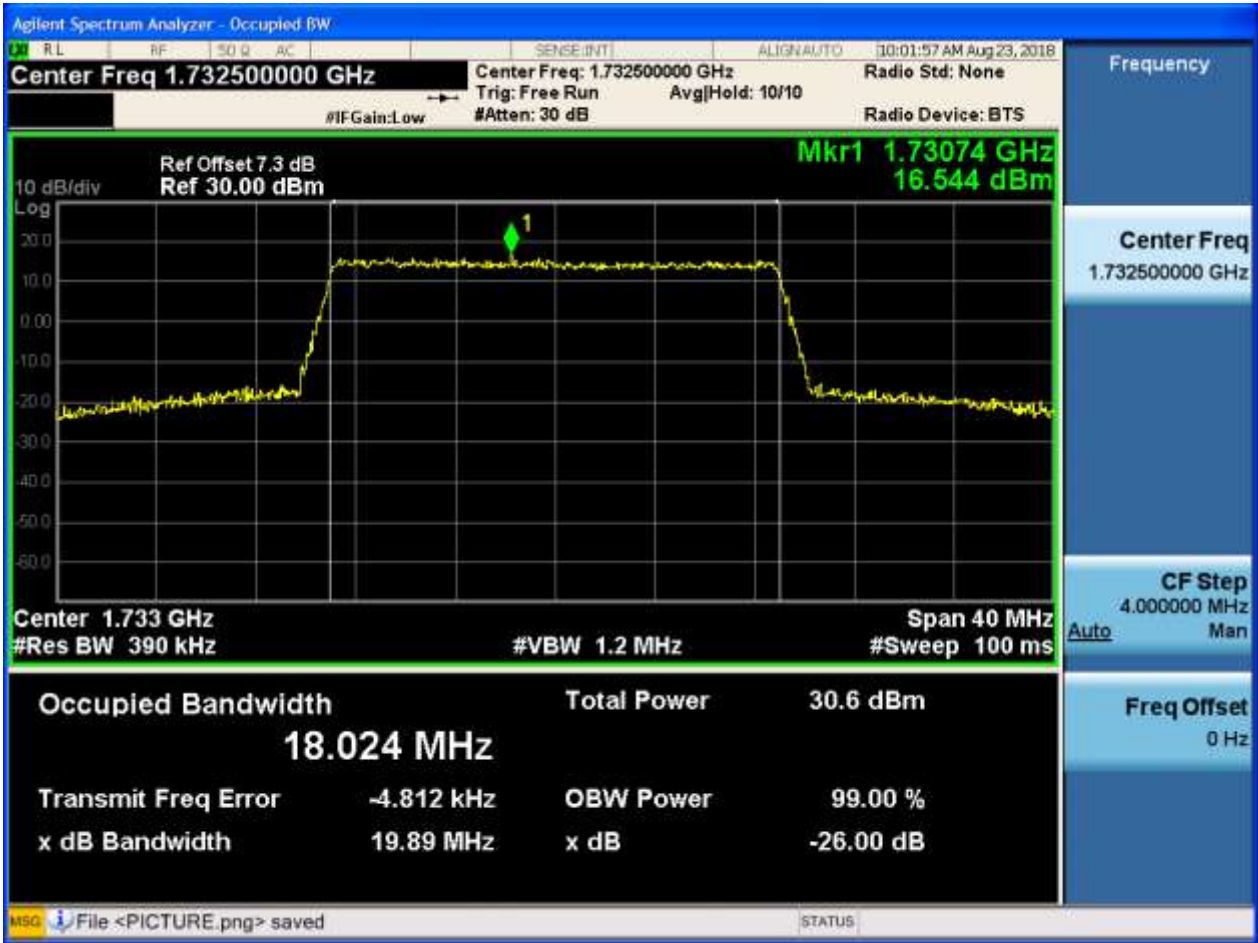
4.1.1.2.6.1.1 Test RB = RB100#0





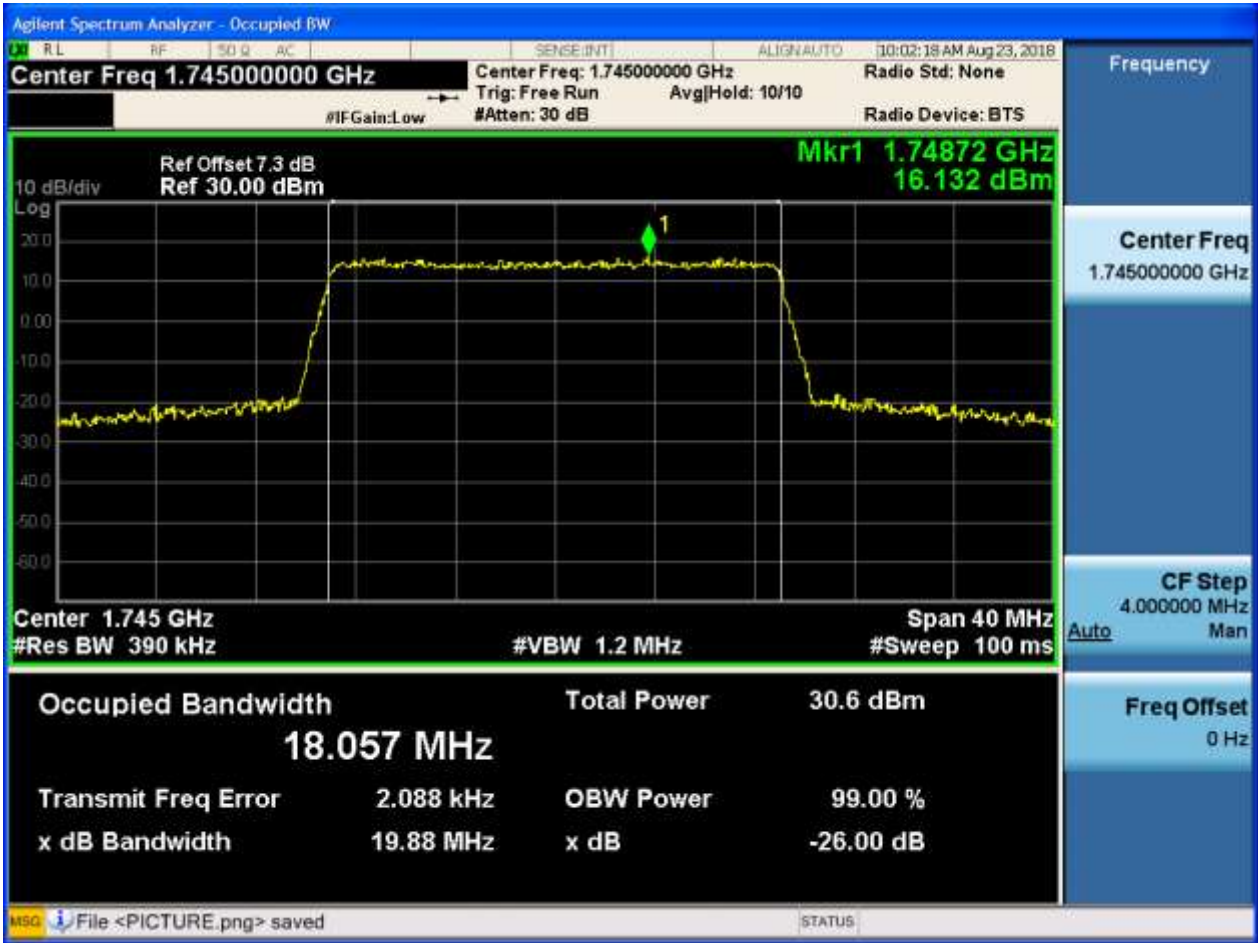
4.1.1.2.6.2 Test Channel = MCH

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



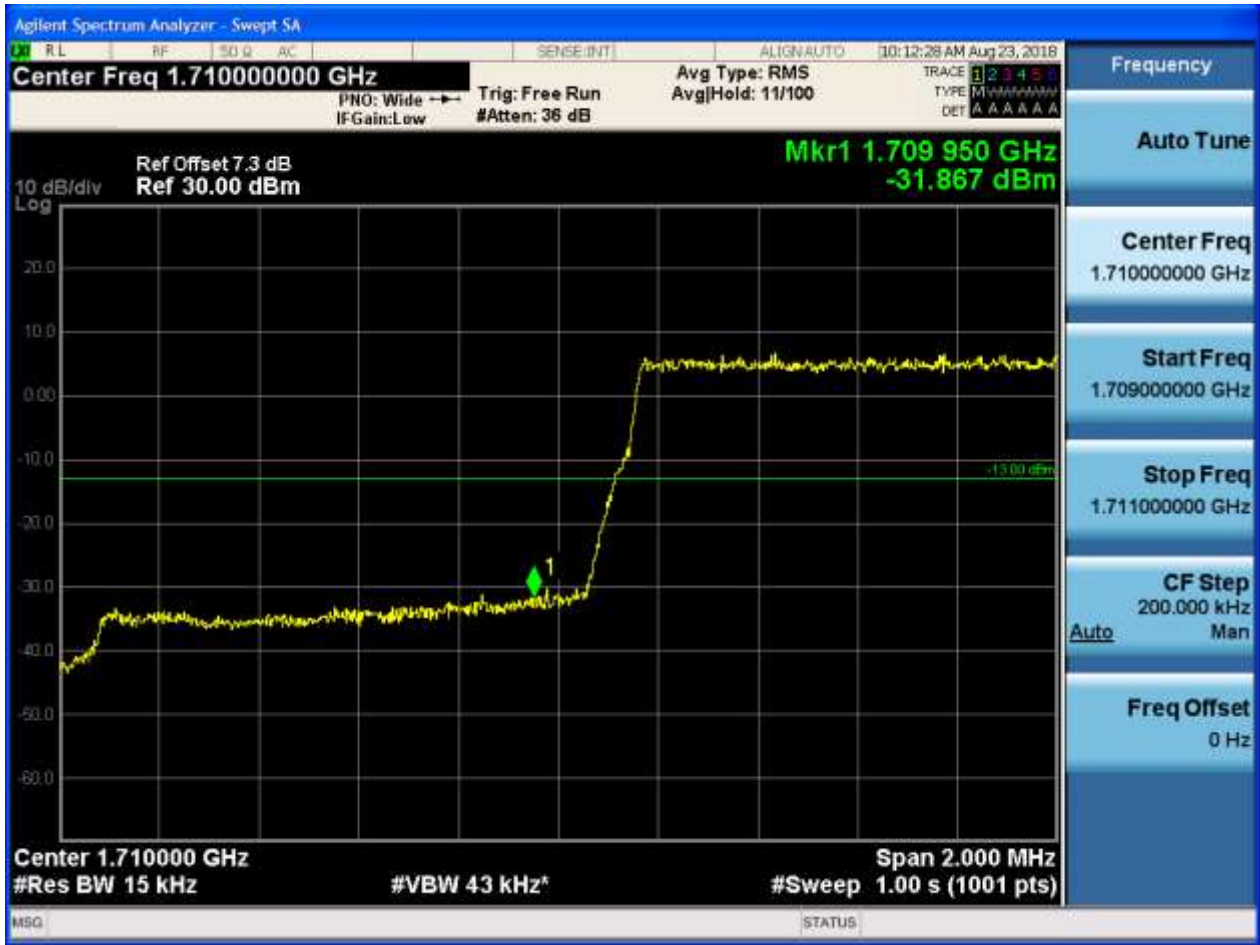


5.1.1.1.1.3 Test RB = RB3#2





5.1.1.1.1.4 Test RB = RB6#0





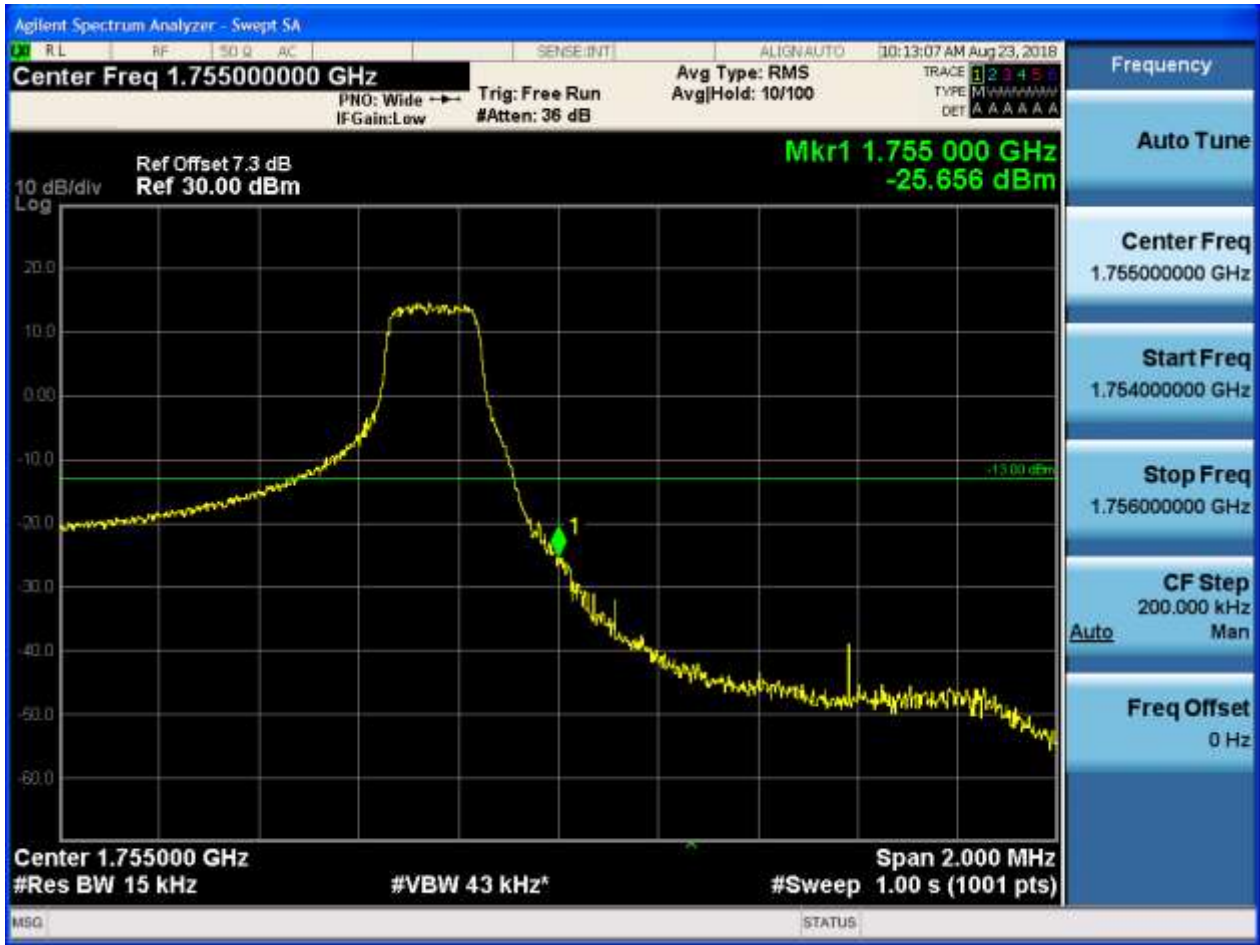
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.1.2.2 Test RB = RB1#5





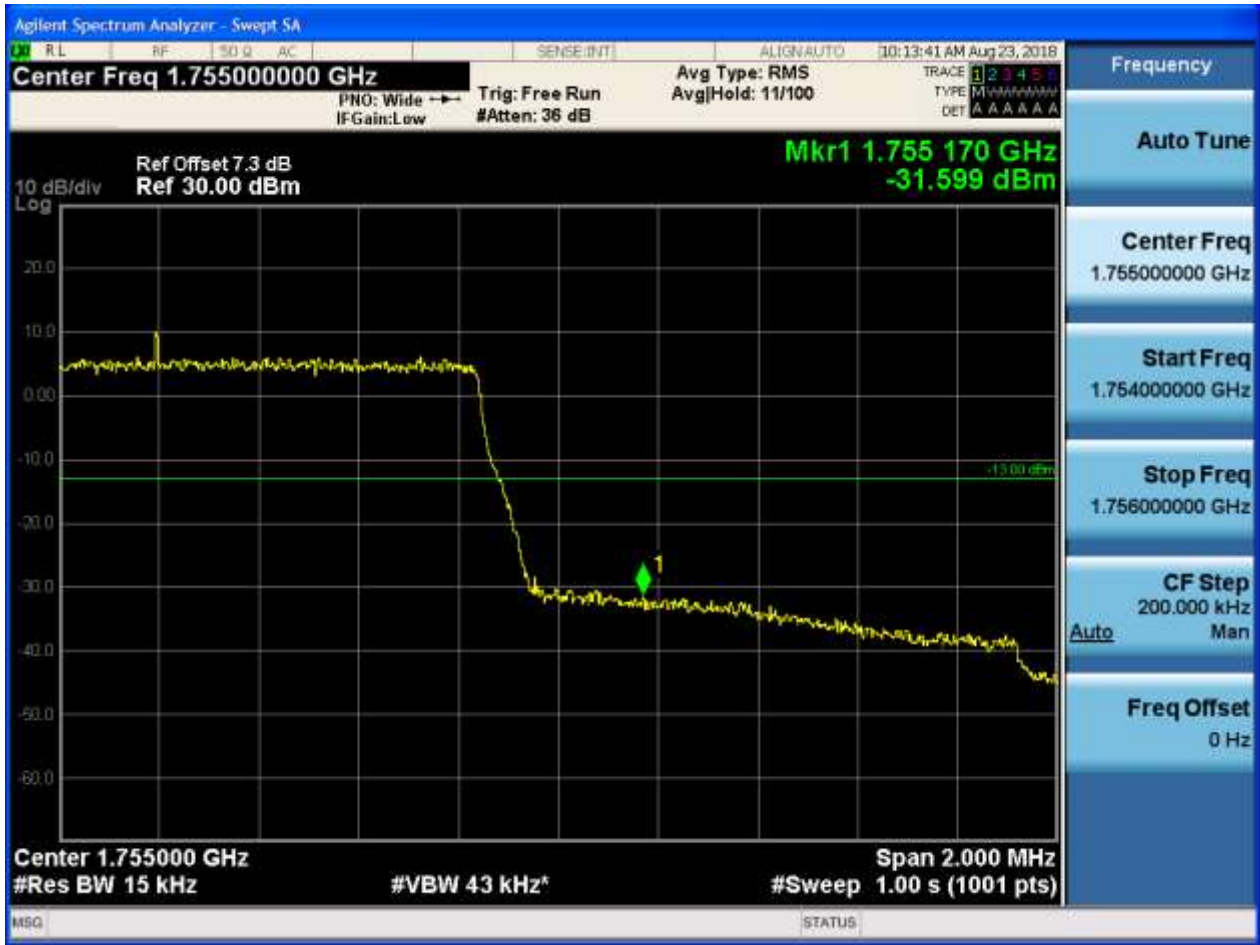


5.1.1.1.1.2.3 Test RB = RB3#2





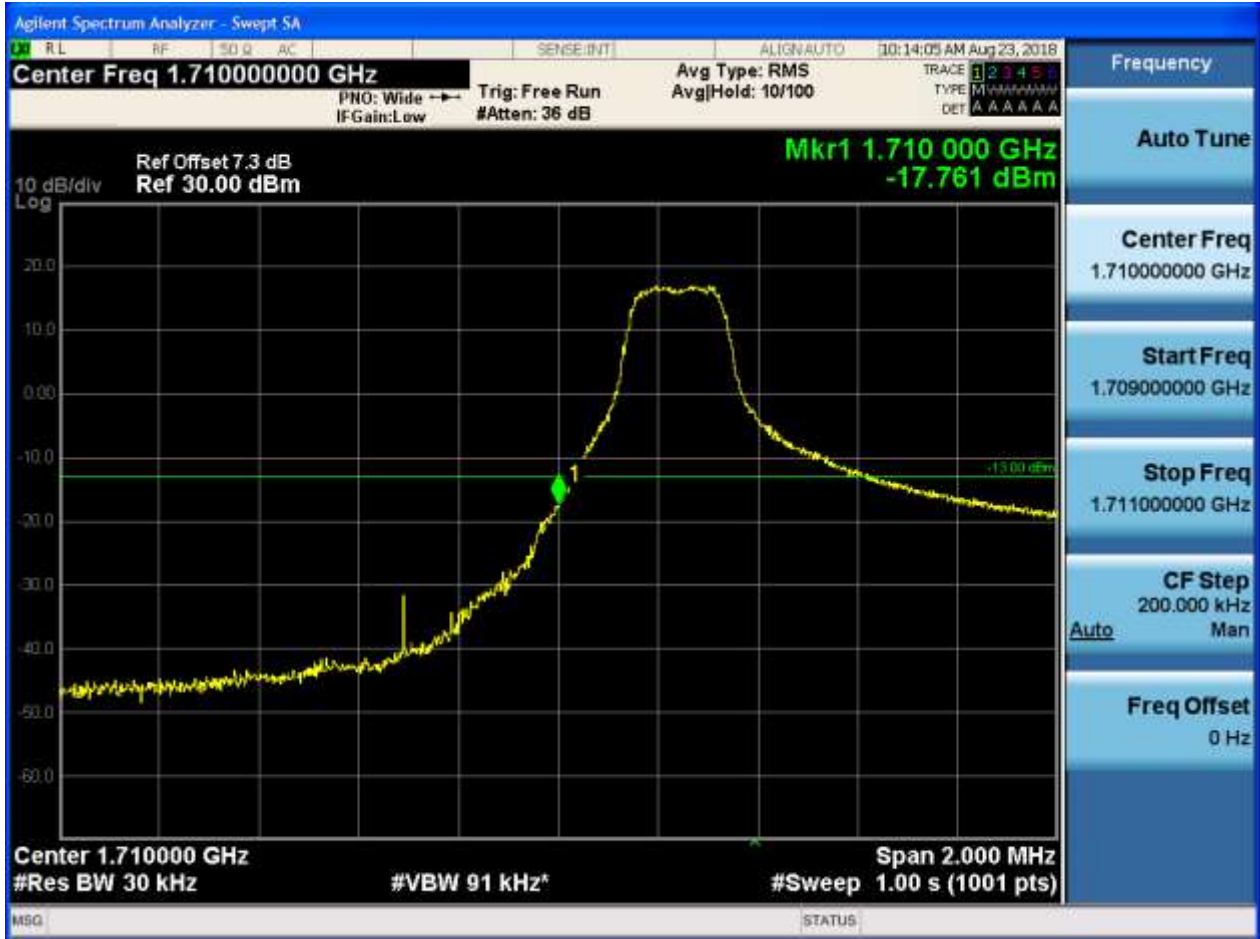
5.1.1.1.2.4 Test RB = RB6#0



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



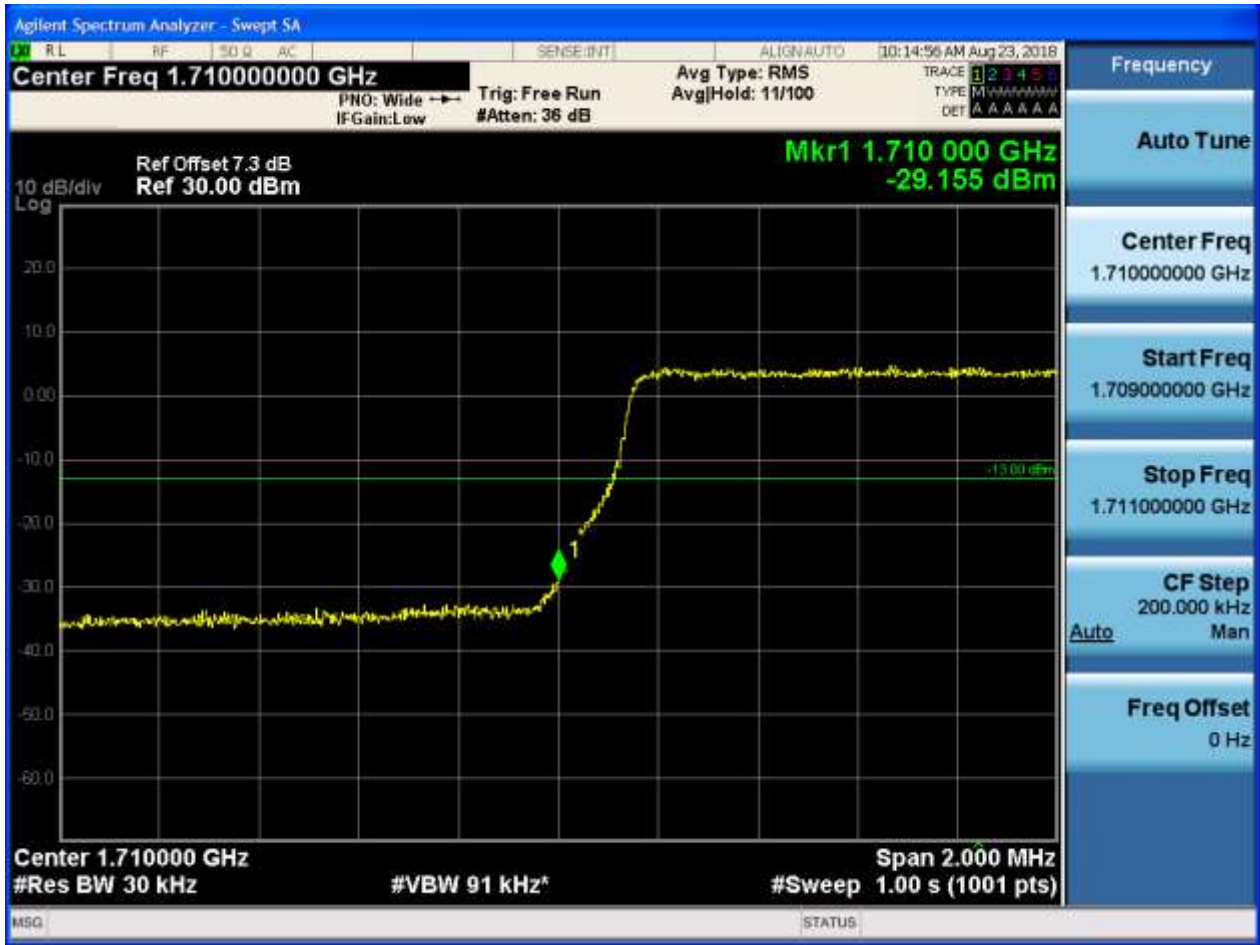


5.1.1.1.2.1.3 Test RB = RB#4





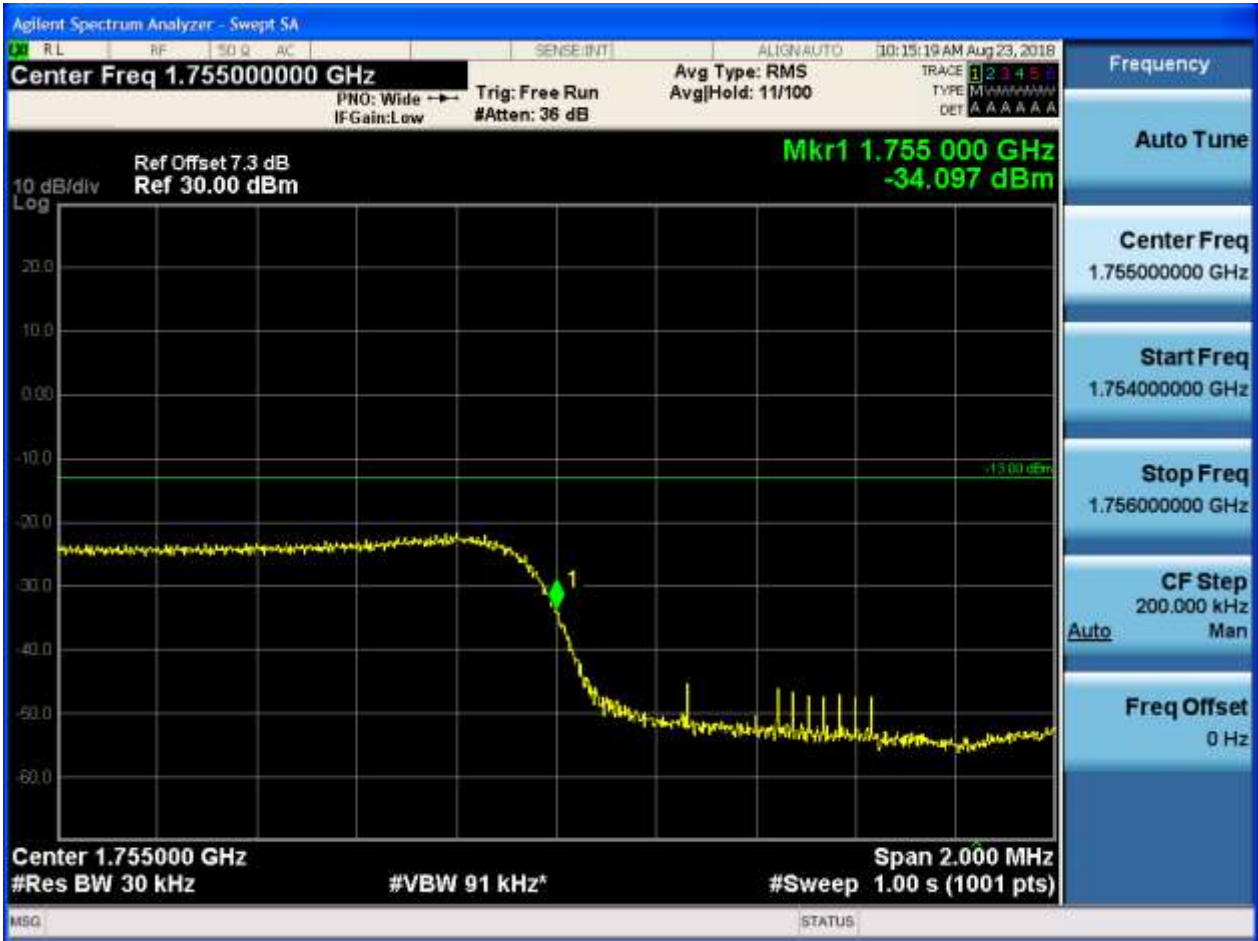
5.1.1.1.2.1.4 Test RB = RB15#0





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

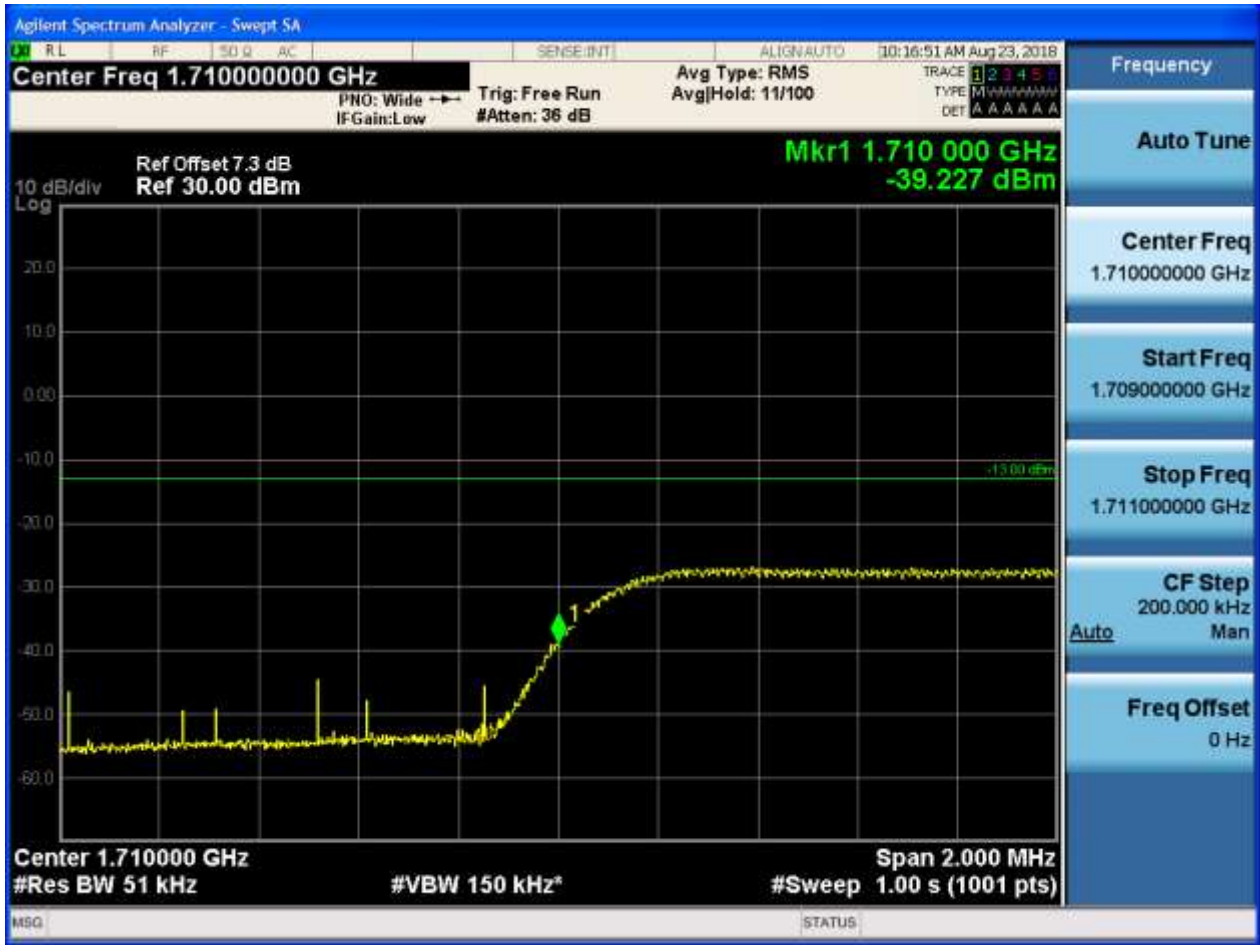
## 5.1.1.1.3.1 Test Channel = LCH

## 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





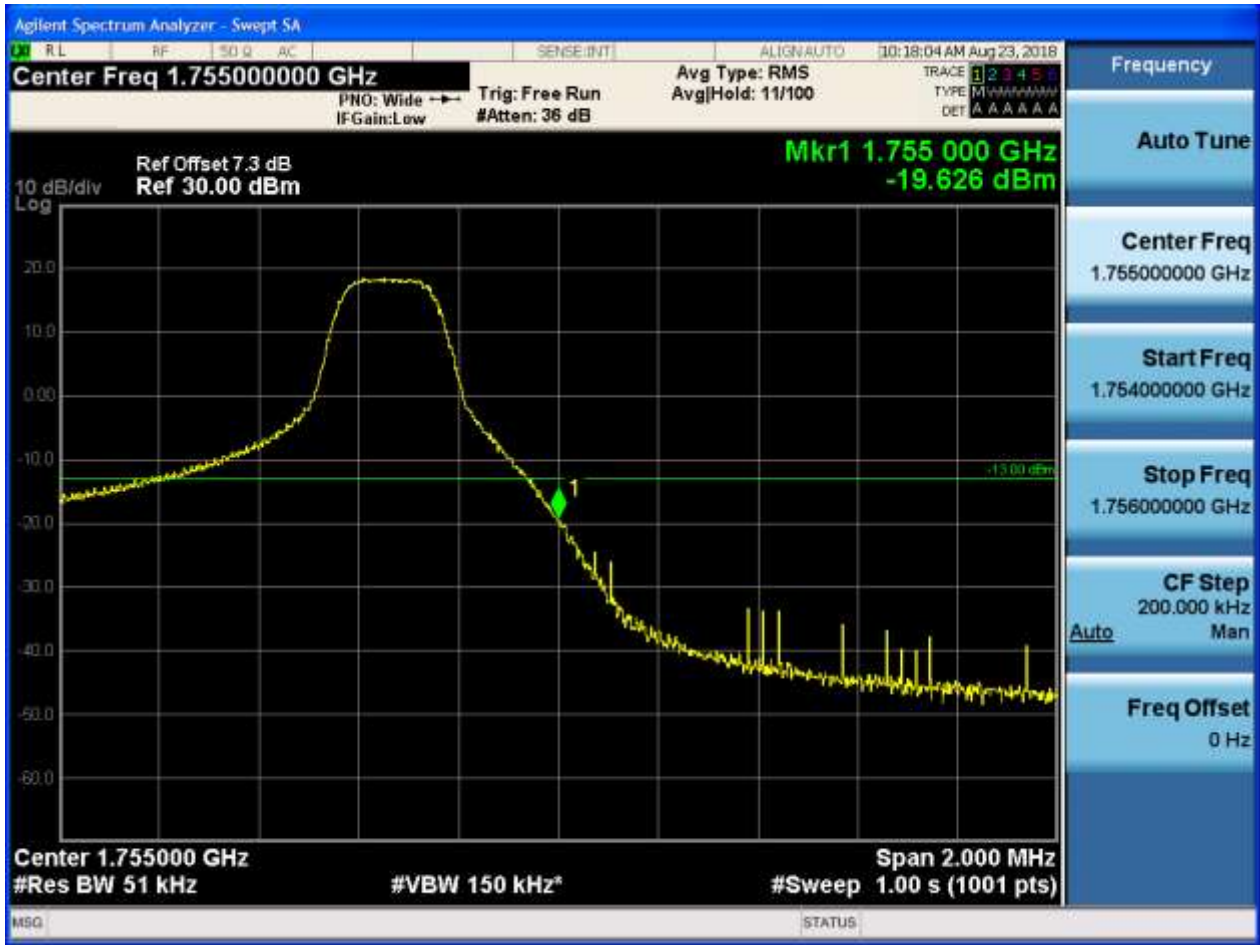
5.1.1.1.3.2 Test Channel = HCH

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



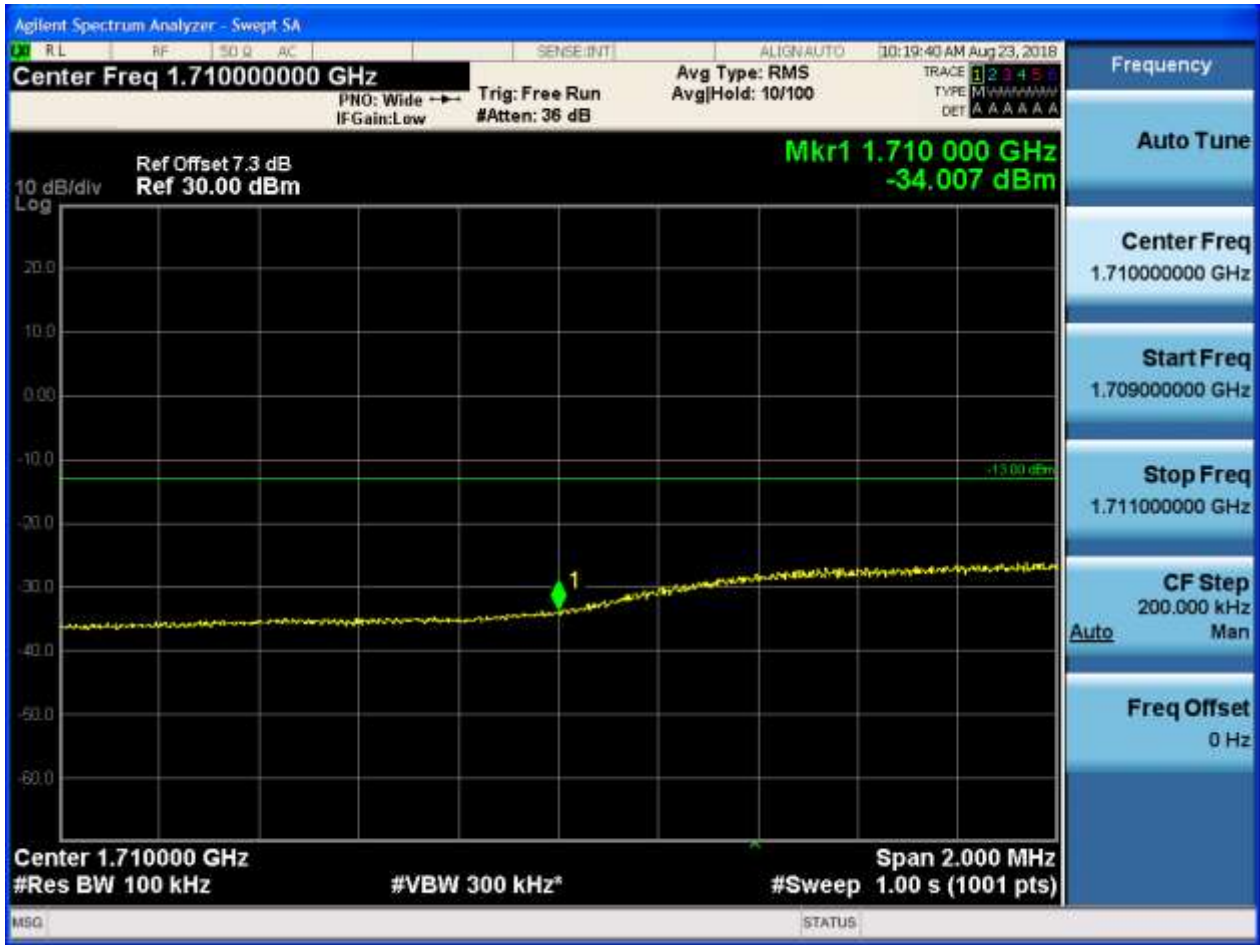


5.1.1.1.4.1.2 Test RB = RB1#49





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





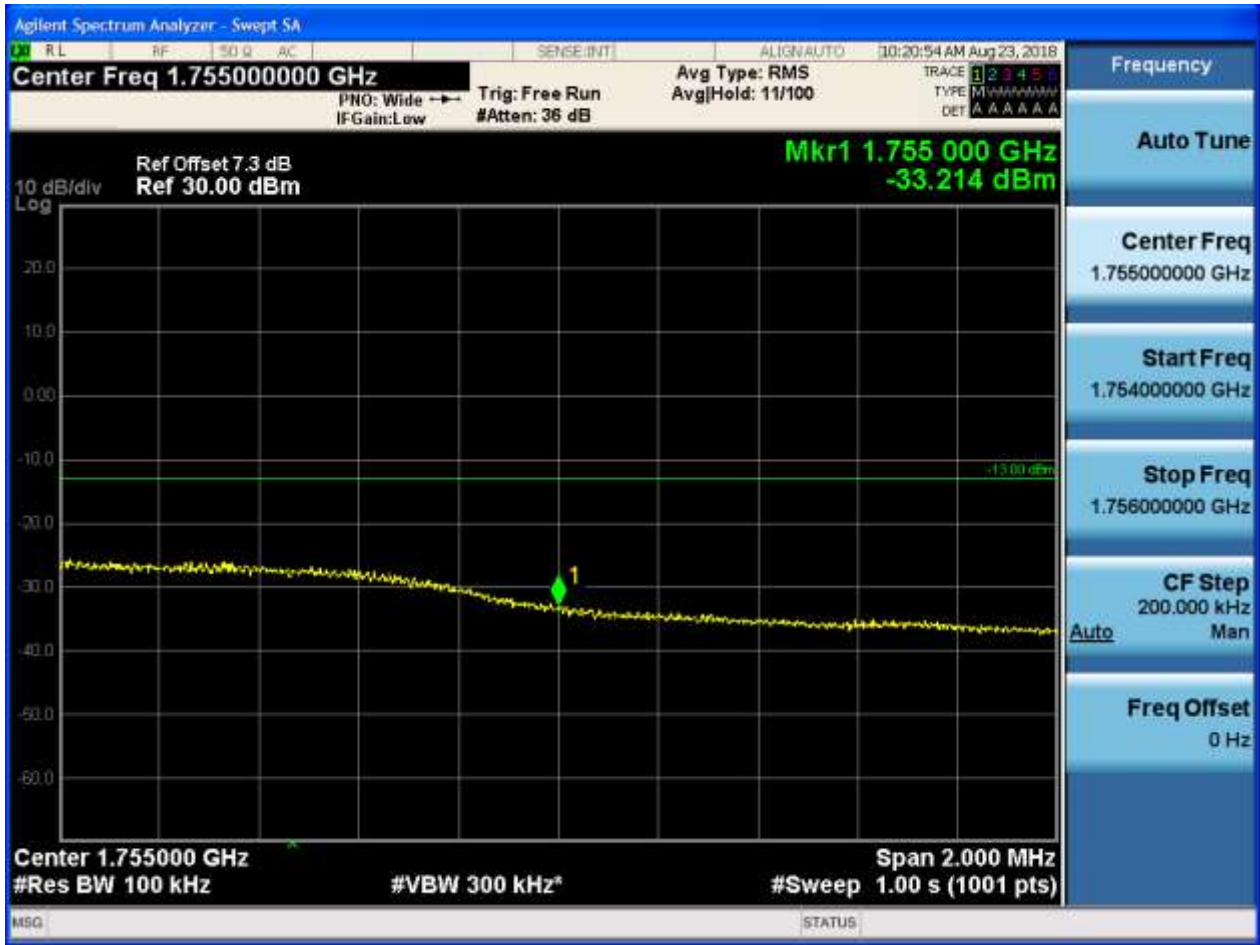
5.1.1.1.4.2.2 Test RB = RB1#49







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



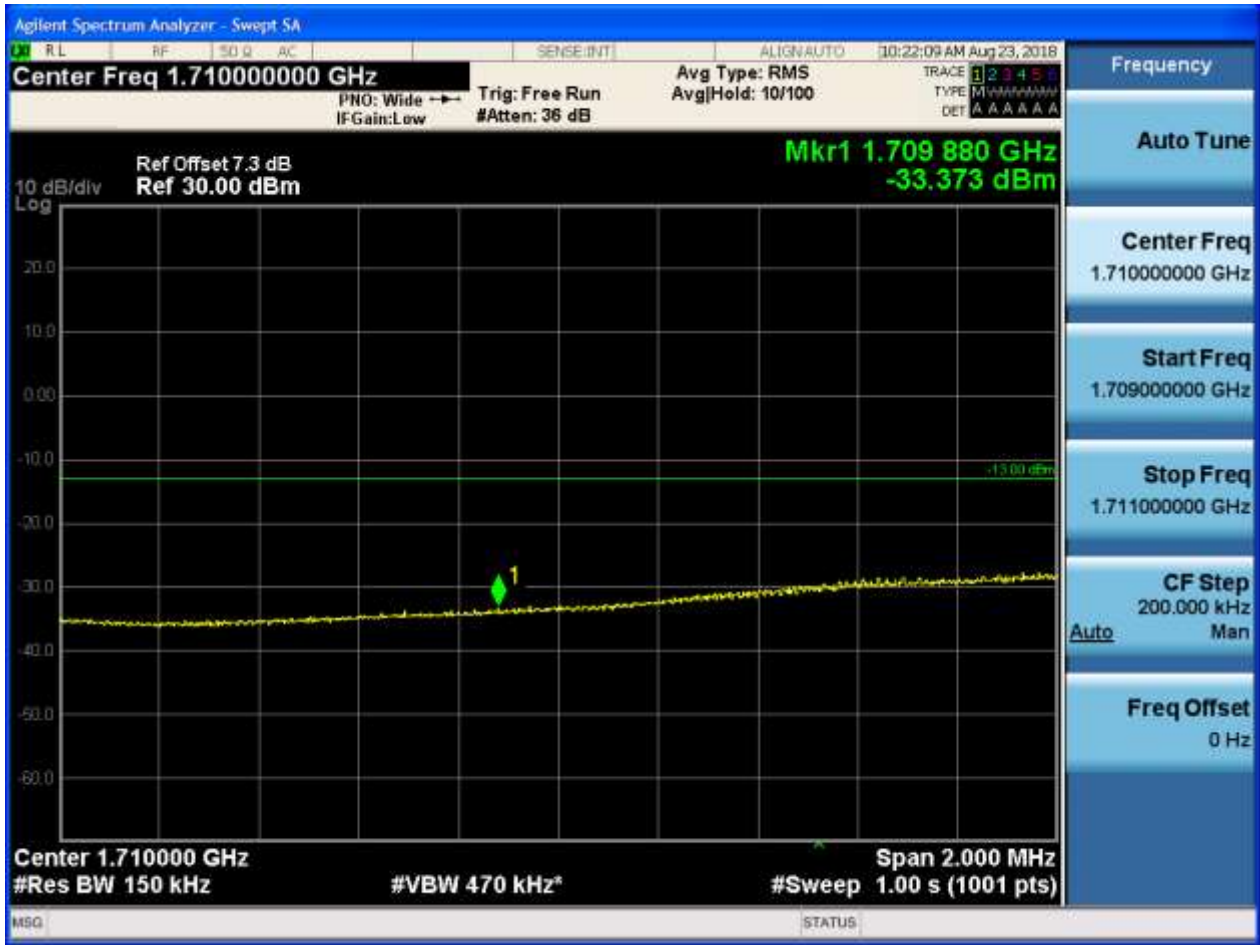


5.1.1.1.5.1.2 Test RB = RB1#74





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





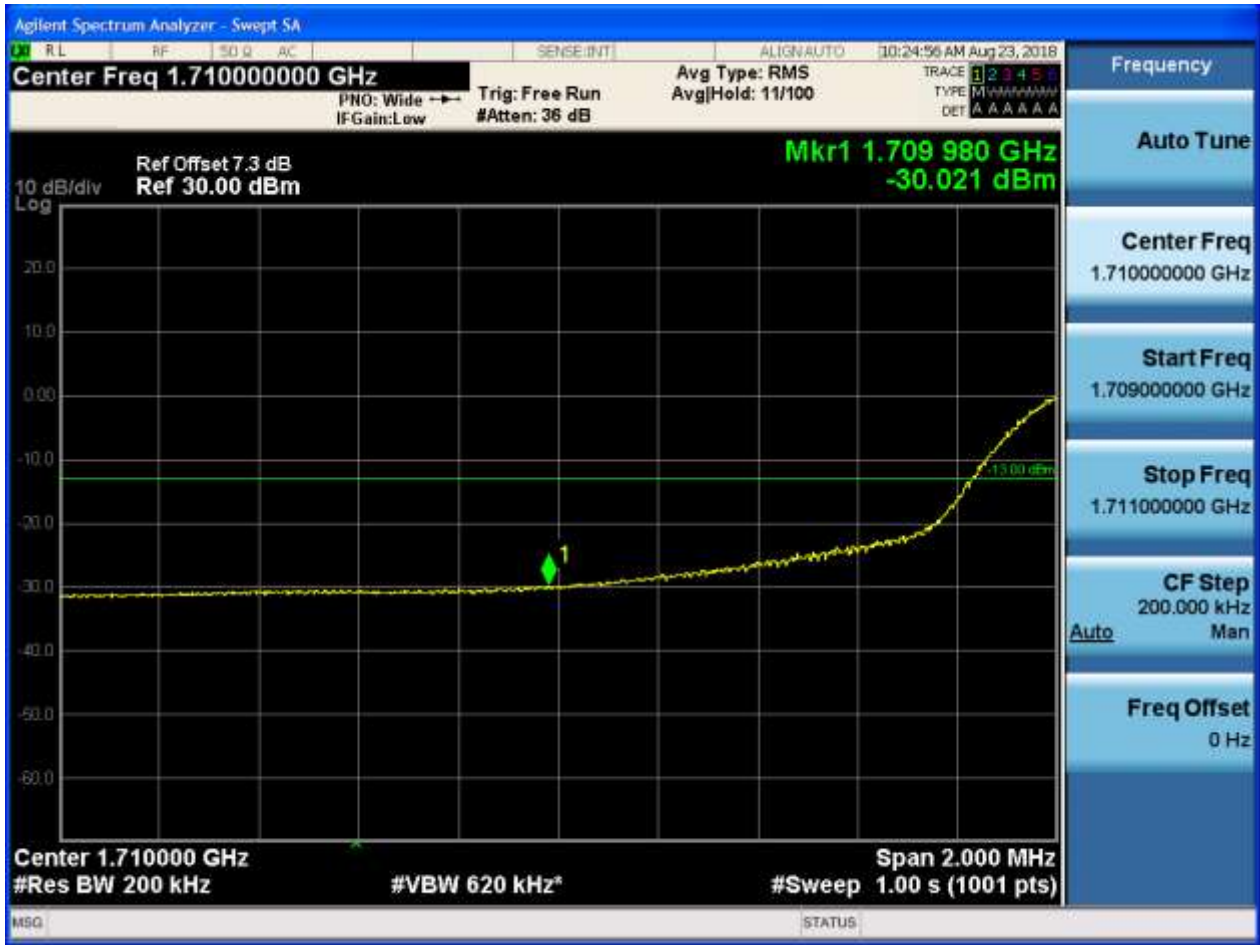
5.1.1.1.6.1.2 Test RB = RB1#99







5.1.1.1.6.1.4 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





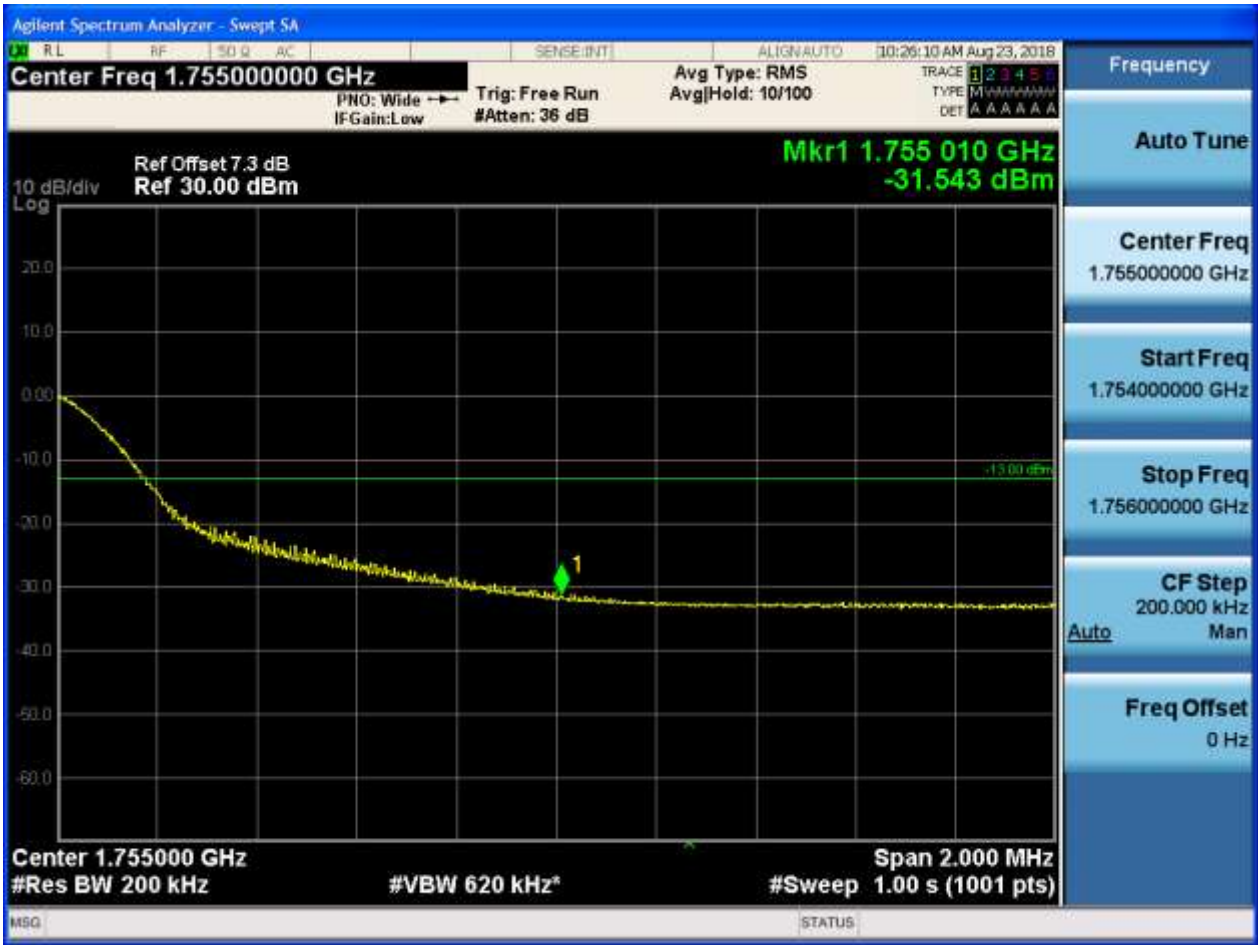


5.1.1.1.6.2.3 Test RB = RB50#25





5.1.1.1.6.2.4 Test RB = RB100#0

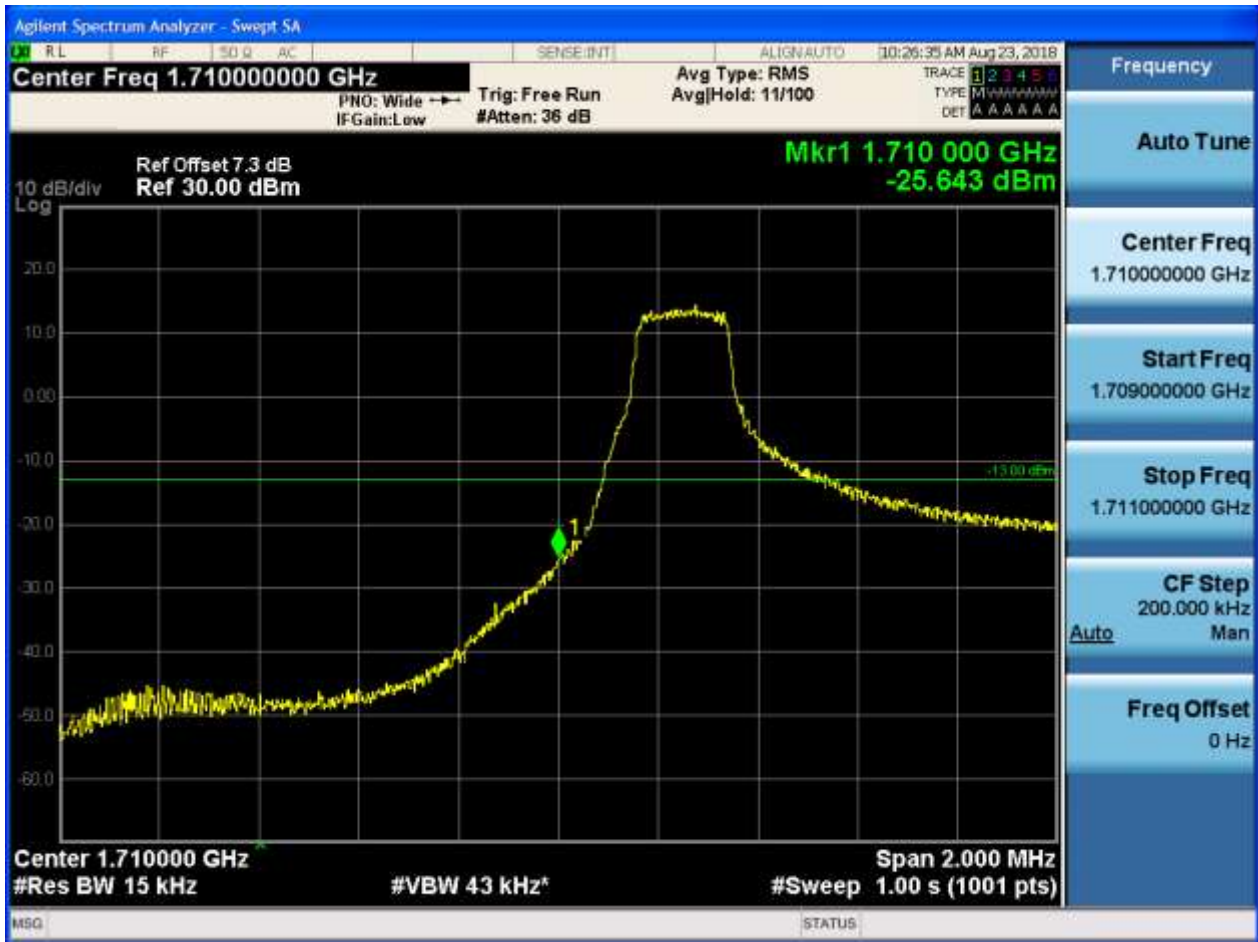


## 5.1.1.2 Test Mode = LTE/TM2

## 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



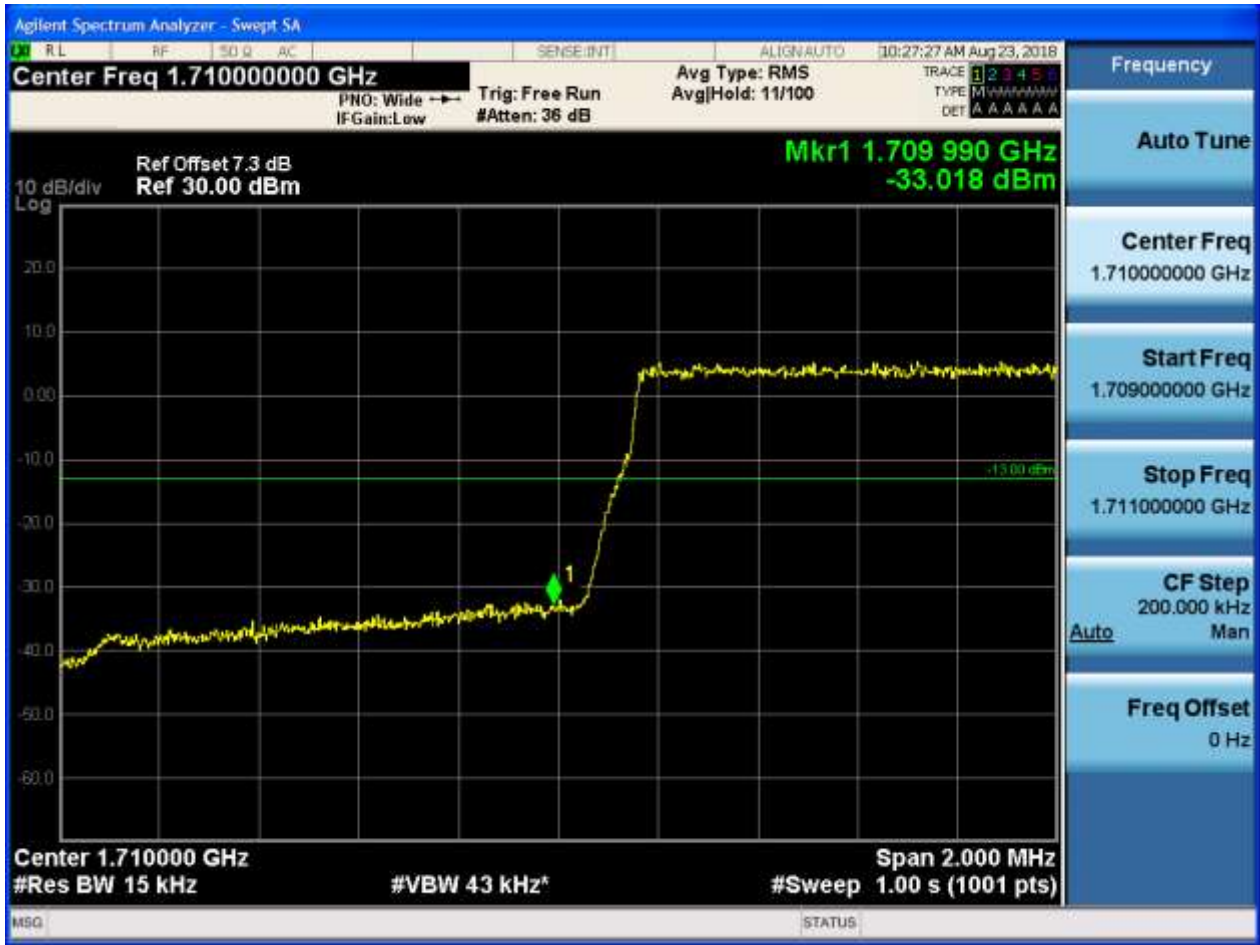


5.1.1.2.1.1.3 Test RB = RB3#2





5.1.1.2.1.1.4 Test RB = RB6#0



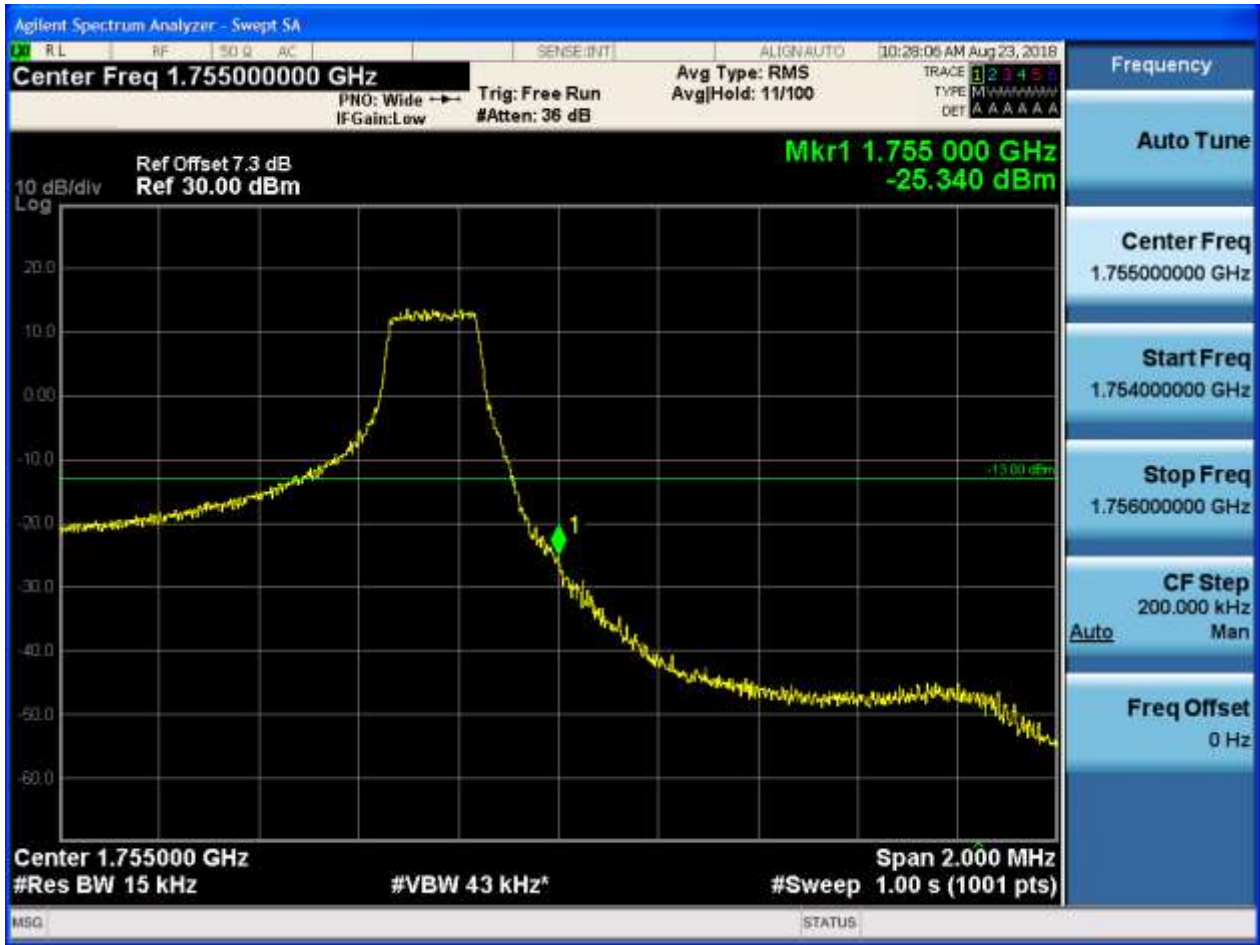
5.1.1.2.1.2 Test Channel = HCH

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

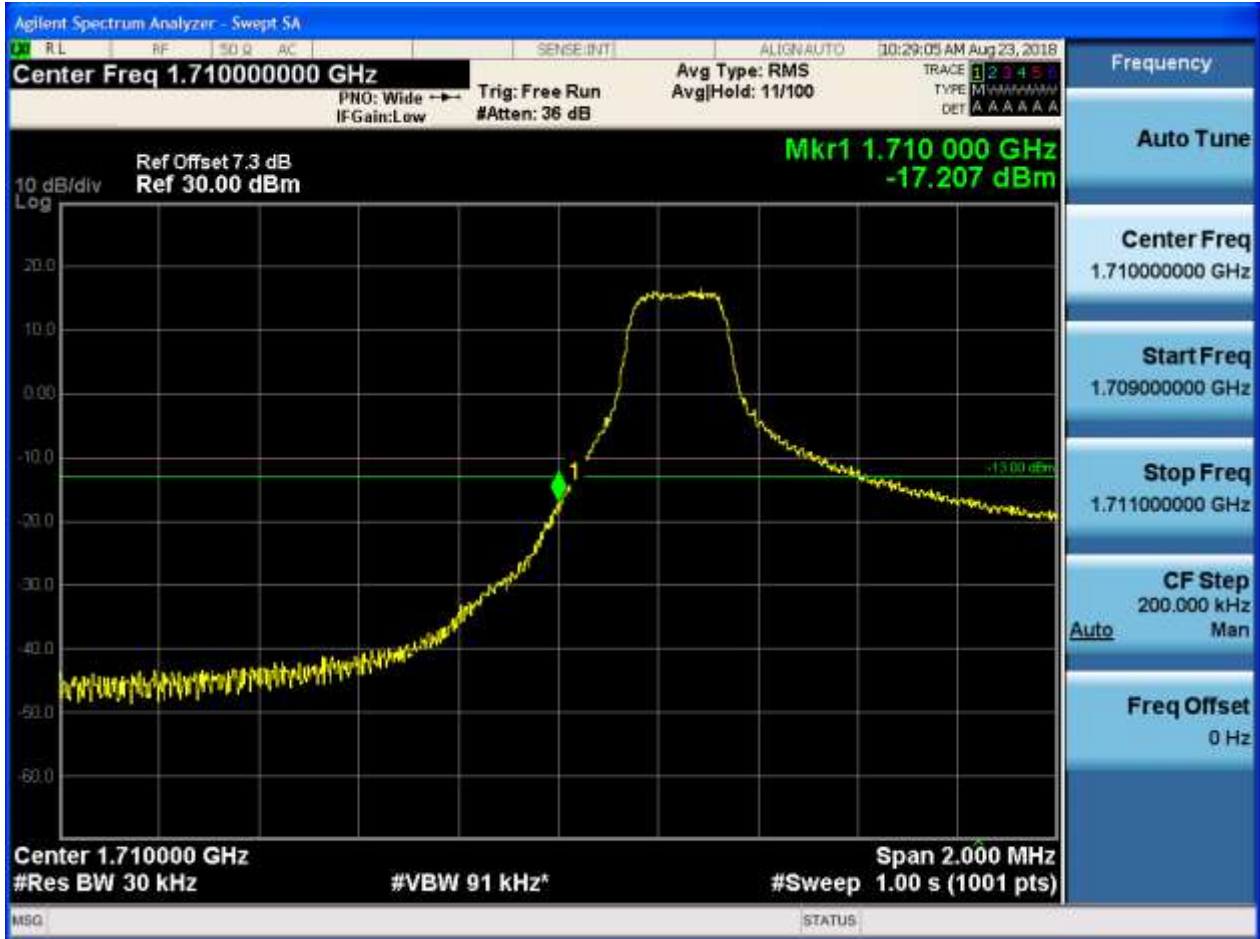




5.1.1.2.2 Test Bandwidth = 3

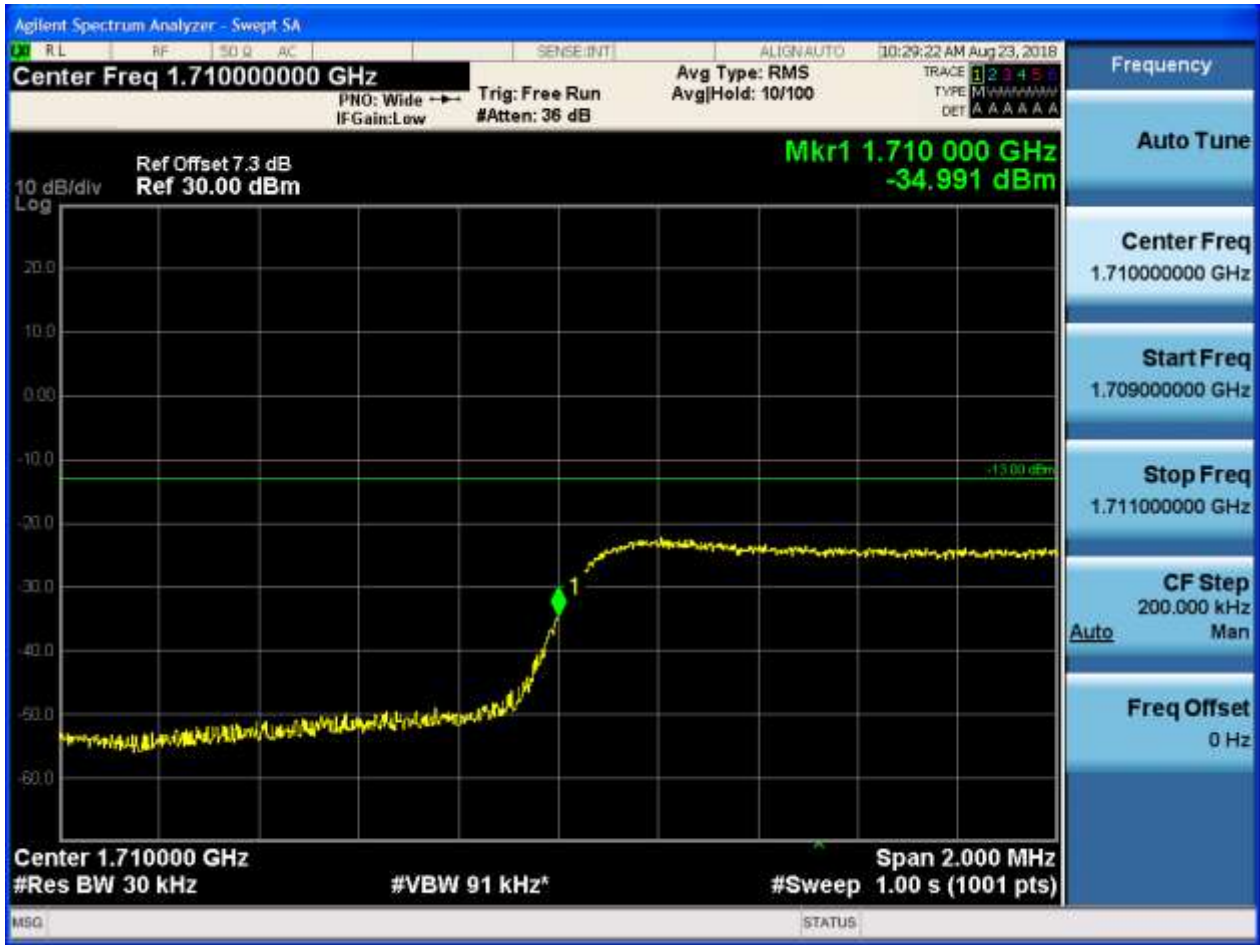
5.1.1.2.2.1 Test Channel = LCH

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





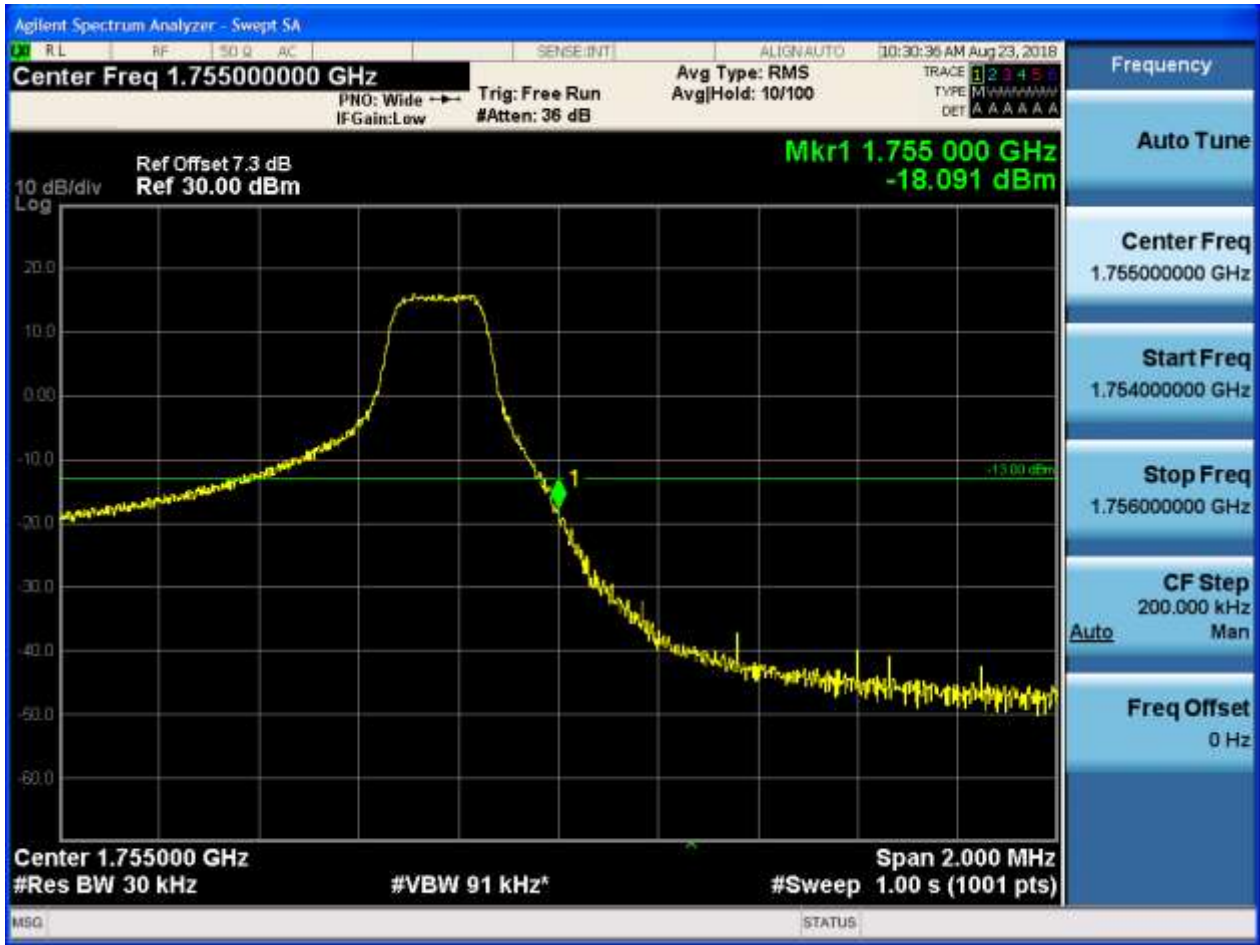
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0





5.1.1.2.2.2 Test RB = RB1#14







5.1.1.2.2.3 Test RB = RB8#4





5.1.1.2.2.4 Test RB = RB15#0

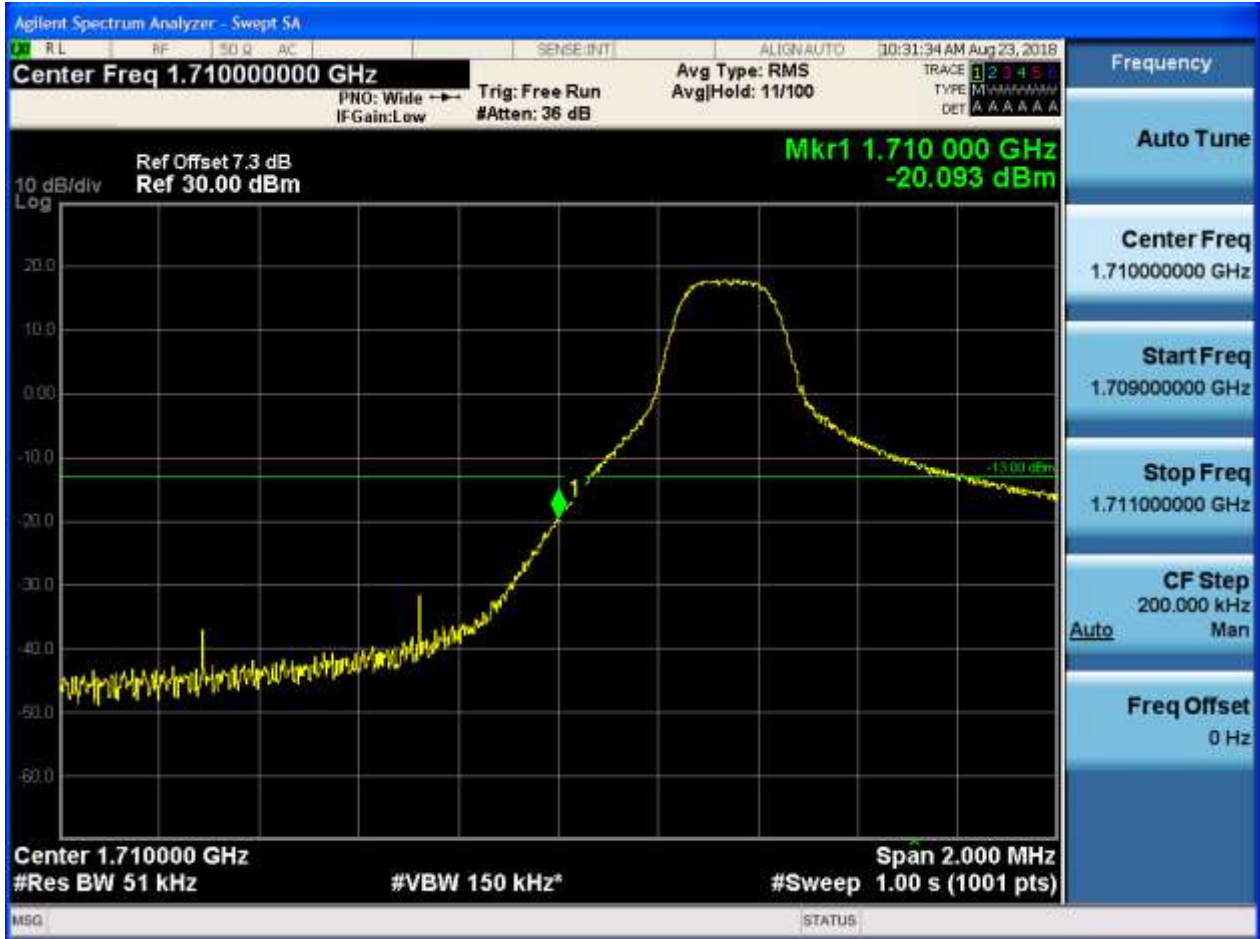




5.1.1.2.3 Test Bandwidth = 5

5.1.1.2.3.1 Test Channel = LCH

5.1.1.2.3.1.1 Test RB = RB1#0





5.1.1.2.3.1.2 Test RB = RB1#24





5.1.1.2.3.1.3 Test RB = RB12#6





5.1.1.2.3.1.4 Test RB = RB25#0





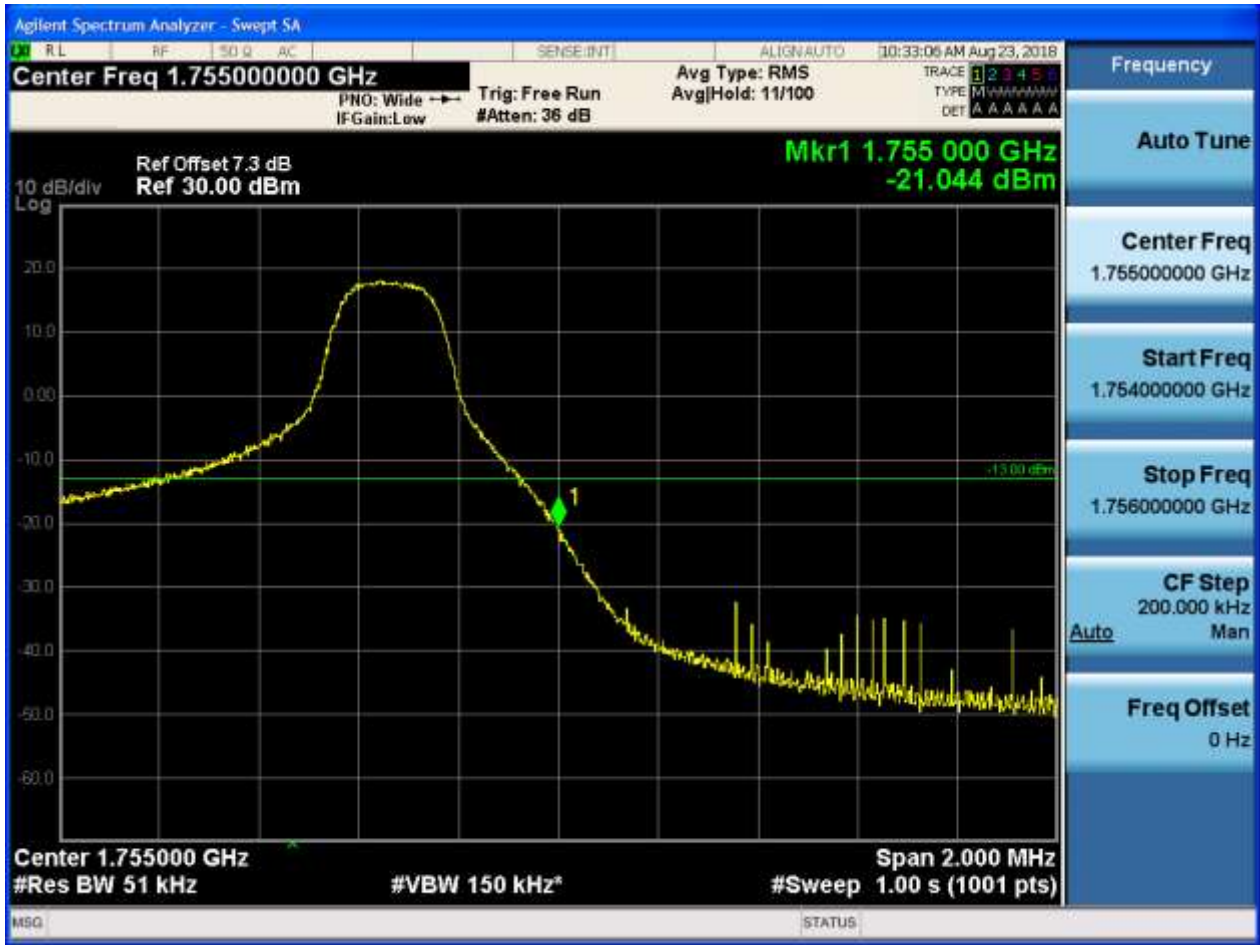
5.1.1.2.3.2 Test Channel = HCH

5.1.1.2.3.2.1 Test RB = RB1#0





5.1.1.2.3.2.2 Test RB = RB1#24







5.1.1.2.3.2.3 Test RB = RB12#6





5.1.1.2.3.2.4 Test RB = RB25#0

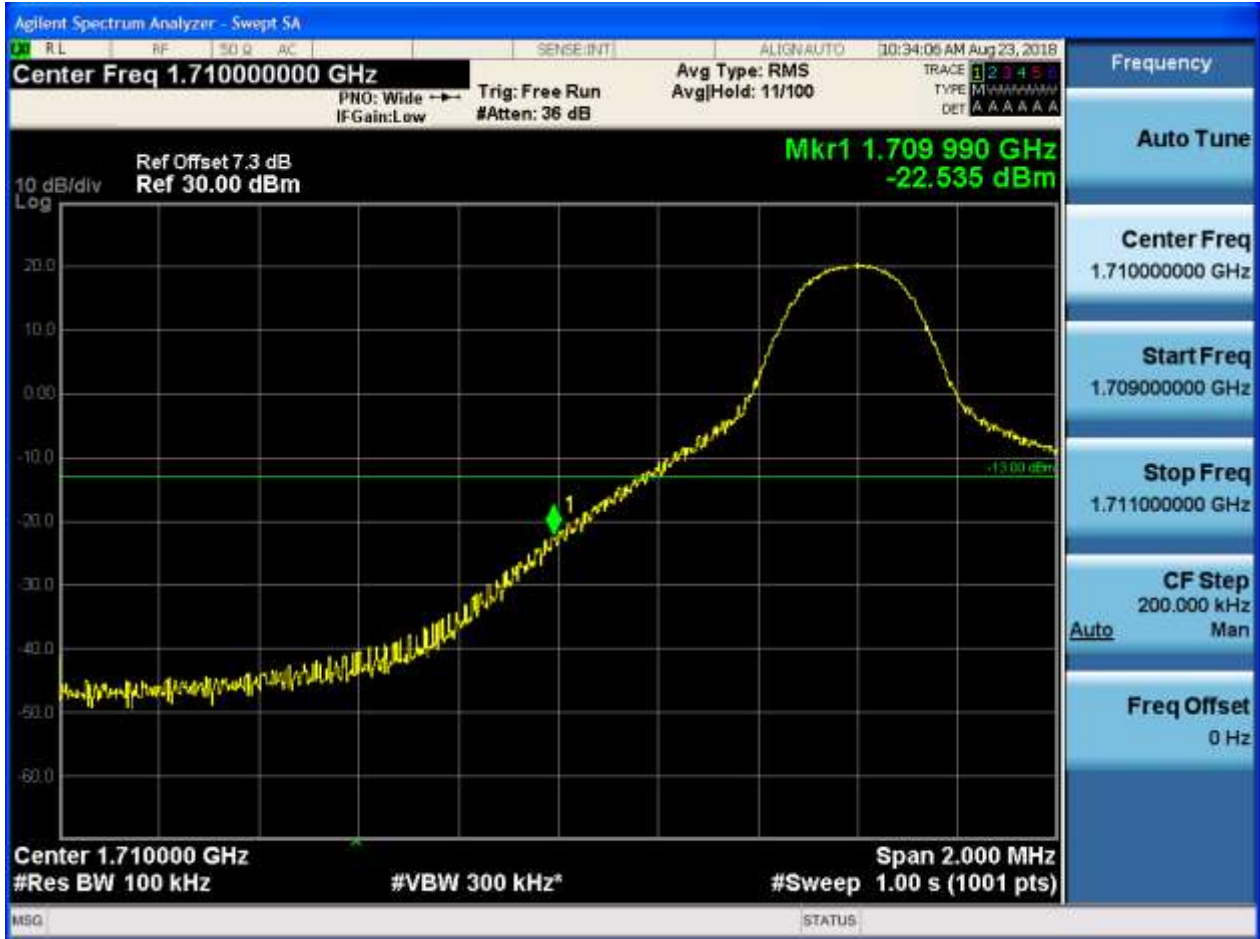




5.1.1.2.4 Test Bandwidth = 10

5.1.1.2.4.1 Test Channel = LCH

5.1.1.2.4.1.1 Test RB = RB1#0



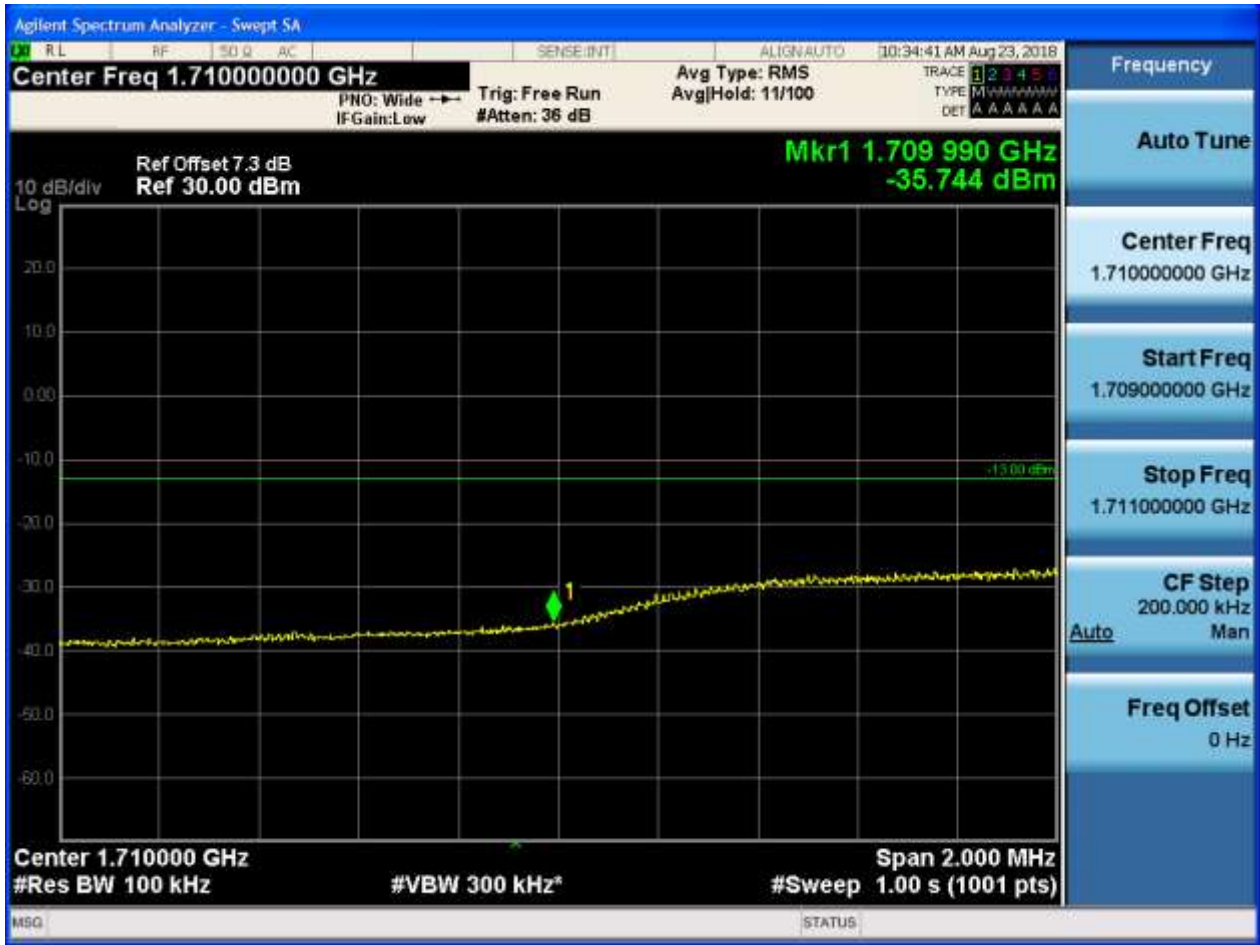


5.1.1.2.4.1.2 Test RB = RB1#49





5.1.1.2.4.1.3 Test RB = RB25#13





5.1.1.2.4.1.4 Test RB = RB50#0

