



# 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	22.27	20.97	30	PASS
				RB1#3	22.08	20.78	30	PASS
				RB1#5	22.16	20.86	30	PASS
				RB3#0	21.92	20.62	30	PASS
				RB3#2	21.79	20.49	30	PASS
				RB3#3	21.96	20.66	30	PASS
				RB6#0	21.07	19.77	30	PASS
			MCH	RB1#0	22.23	20.93	30	PASS
				RB1#3	22.05	20.75	30	PASS
				RB1#5	22.23	20.93	30	PASS
				RB3#0	22.10	20.80	30	PASS
				RB3#2	21.98	20.68	30	PASS
				RB3#3	21.99	20.69	30	PASS
				RB6#0	20.96	19.66	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.09	20.79	30	PASS
				RB1#3	22.15	20.85	30	PASS
				RB1#5	22.19	20.89	30	PASS
				RB3#0	21.98	20.68	30	PASS
				RB3#2	21.91	20.61	30	PASS
				RB3#3	21.85	20.55	30	PASS
				RB6#0	21.03	19.73	30	PASS
		3	LCH	RB1#0	22.25	20.95	30	PASS
				RB1#7	22.26	20.96	30	PASS
				RB1#14	22.13	20.83	30	PASS
				RB8#0	21.11	19.81	30	PASS
				RB8#4	21.11	19.81	30	PASS
				RB8#7	21.14	19.84	30	PASS
				RB15#0	21.14	19.84	30	PASS
			MCH	RB1#0	22.15	20.85	30	PASS
				RB1#7	21.91	20.61	30	PASS
				RB1#14	22.12	20.82	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#0	21.17	19.87	30	PASS
				RB8#4	20.95	19.65	30	PASS
				RB8#7	20.99	19.69	30	PASS
				RB15#0	21.04	19.74	30	PASS
			HCH	RB1#0	21.96	20.66	30	PASS
				RB1#7	21.80	20.50	30	PASS
				RB1#14	21.96	20.66	30	PASS
				RB8#0	21.04	19.74	30	PASS
				RB8#4	20.93	19.63	30	PASS
				RB8#7	20.98	19.68	30	PASS
				RB15#0	21.04	19.74	30	PASS
				5	LCH	RB1#0	22.26	20.96
		RB1#13	22.13			20.83	30	PASS
		RB1#24	22.20			20.90	30	PASS
		RB12#0	21.16			19.86	30	PASS
		RB12#6	21.20			19.90	30	PASS
		RB12#13	21.15			19.85	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#0	21.13	19.83	30	PASS
			MCH	RB1#0	22.19	20.89	30	PASS
				RB1#13	22.15	20.85	30	PASS
				RB1#24	22.07	20.77	30	PASS
				RB12#0	21.10	19.80	30	PASS
				RB12#6	21.12	19.82	30	PASS
				RB12#13	21.12	19.82	30	PASS
				RB25#0	21.05	19.75	30	PASS
			HCH	RB1#0	21.95	20.65	30	PASS
				RB1#13	21.96	20.66	30	PASS
				RB1#24	21.96	20.66	30	PASS
				RB12#0	21.08	19.78	30	PASS
				RB12#6	20.98	19.68	30	PASS
				RB12#13	21.08	19.78	30	PASS
		10	LCH	RB1#0	22.18	20.88	30	PASS
				RB1#25	22.05	20.75	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#49	22.07	20.77	30	PASS
				RB25#0	21.11	19.81	30	PASS
				RB25#13	21.07	19.77	30	PASS
				RB25#25	21.11	19.81	30	PASS
				RB50#0	21.10	19.80	30	PASS
			MCH	RB1#0	22.11	20.81	30	PASS
				RB1#25	22.02	20.72	30	PASS
				RB1#49	22.02	20.72	30	PASS
				RB25#0	21.01	19.71	30	PASS
				RB25#13	21.08	19.78	30	PASS
				RB25#25	21.02	19.72	30	PASS
				RB50#0	21.02	19.72	30	PASS
			HCH	RB1#0	22.06	20.76	30	PASS
				RB1#25	22.15	20.85	30	PASS
				RB1#49	21.93	20.63	30	PASS
				RB25#0	21.05	19.75	30	PASS
				RB25#13	21.03	19.73	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#25	20.97	19.67	30	PASS
				RB50#0	21.03	19.73	30	PASS
		LCH	RB1#0	22.14	20.84	30	PASS	
			RB1#38	22.24	20.94	30	PASS	
			RB1#74	22.06	20.76	30	PASS	
			RB38#0	21.17	19.87	30	PASS	
			RB38#19	21.15	19.85	30	PASS	
			RB38#39	21.19	19.89	30	PASS	
			RB75#0	21.20	19.90	30	PASS	
			MCH	RB1#0	22.09	20.79	30	PASS
		RB1#38		22.07	20.77	30	PASS	
		RB1#74		22.00	20.70	30	PASS	
		RB38#0		21.12	19.82	30	PASS	
		RB38#19		21.04	19.74	30	PASS	
		RB38#39		21.04	19.74	30	PASS	
	RB75#0	21.14	19.84	30	PASS			
HCH	RB1#0	21.89	20.59	30	PASS			



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#38	22.02	20.72	30	PASS
				RB1#74	21.87	20.57	30	PASS
				RB38#0	21.02	19.72	30	PASS
				RB38#19	21.04	19.74	30	PASS
				RB38#39	21.02	19.72	30	PASS
				RB75#0	21.07	19.77	30	PASS
		20	LCH	RB1#0	22.09	20.79	30	PASS
				RB1#50	21.83	20.53	30	PASS
				RB1#99	22.10	20.80	30	PASS
				RB50#0	21.04	19.74	30	PASS
				RB50#25	21.06	19.76	30	PASS
				RB50#50	21.06	19.76	30	PASS
				RB100#0	21.06	19.76	30	PASS
				MCH	RB1#0	22.20	20.90	30
		RB1#50	21.63		20.33	30	PASS	
		RB1#99	22.26		20.96	30	PASS	
RB50#0	21.06	19.76	30		PASS			





Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#25	21.00	19.70	30	PASS
				RB50#50	21.10	19.80	30	PASS
				RB100#0	21.10	19.80	30	PASS
			HCH	RB1#0	22.17	20.87	30	PASS
				RB1#50	21.87	20.57	30	PASS
				RB1#99	22.06	20.76	30	PASS
				RB50#0	21.07	19.77	30	PASS
				RB50#25	20.98	19.68	30	PASS
				RB50#50	21.00	19.70	30	PASS
				RB100#0	21.00	19.70	30	PASS
			LCH	RB1#0	21.46	20.16	30	PASS
				RB1#3	21.17	19.87	30	PASS
				RB1#5	21.48	20.18	30	PASS
				RB3#0	21.15	19.85	30	PASS
				RB3#2	21.02	19.72	30	PASS
RB3#3	21.18	19.88		30	PASS			
RB6#0	20.14	18.84		30	PASS			



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	21.41	20.11	30	PASS
				RB1#3	20.95	19.65	30	PASS
				RB1#5	21.39	20.09	30	PASS
				RB3#0	21.08	19.78	30	PASS
				RB3#2	20.87	19.57	30	PASS
				RB3#3	21.09	19.79	30	PASS
			RB6#0	20.03	18.73	30	PASS	
			HCH	RB1#0	21.49	20.19	30	PASS
				RB1#3	20.93	19.63	30	PASS
				RB1#5	21.26	19.96	30	PASS
				RB3#0	20.91	19.61	30	PASS
				RB3#2	20.92	19.62	30	PASS
		RB3#3		21.00	19.70	30	PASS	
		3	LCH	RB1#0	21.35	20.05	30	PASS
				RB1#7	21.47	20.17	30	PASS
				RB1#14	21.29	19.99	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#0	20.23	18.93	30	PASS
				RB8#4	20.04	18.74	30	PASS
				RB8#7	20.20	18.90	30	PASS
				RB15#0	20.22	18.92	30	PASS
			MCH	RB1#0	21.31	20.01	30	PASS
				RB1#7	21.18	19.88	30	PASS
				RB1#14	21.22	19.92	30	PASS
				RB8#0	20.08	18.78	30	PASS
				RB8#4	20.04	18.74	30	PASS
				RB8#7	20.01	18.71	30	PASS
				RB15#0	20.04	18.74	30	PASS
			HCH	RB1#0	21.38	20.08	30	PASS
				RB1#7	20.77	19.47	30	PASS
				RB1#14	21.20	19.90	30	PASS
				RB8#0	20.05	18.75	30	PASS
				RB8#4	20.01	18.71	30	PASS
				RB8#7	20.01	18.71	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB15#0	20.10	18.80	30	PASS
		5	LCH	RB1#0	21.33	20.03	30	PASS
				RB1#13	21.26	19.96	30	PASS
				RB1#24	21.25	19.95	30	PASS
				RB12#0	20.19	18.89	30	PASS
				RB12#6	20.09	18.79	30	PASS
				RB12#13	20.14	18.84	30	PASS
				RB25#0	20.22	18.92	30	PASS
				MCH	RB1#0	21.37	20.07	30
			RB1#13		21.36	20.06	30	PASS
			RB1#24		21.34	20.04	30	PASS
			RB12#0		20.20	18.90	30	PASS
			RB12#6		20.03	18.73	30	PASS
			RB12#13		20.10	18.80	30	PASS
			RB25#0		20.09	18.79	30	PASS
			HCH	RB1#0	21.48	20.18	30	PASS
				RB1#13	21.42	20.12	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#24	21.39	20.09	30	PASS
				RB12#0	20.23	18.93	30	PASS
				RB12#6	20.05	18.75	30	PASS
				RB12#13	20.04	18.74	30	PASS
				RB25#0	20.05	18.75	30	PASS
		10	LCH	RB1#0	21.38	20.08	30	PASS
				RB1#25	21.37	20.07	30	PASS
				RB1#49	21.29	19.99	30	PASS
				RB25#0	20.17	18.87	30	PASS
				RB25#13	20.19	18.89	30	PASS
				RB25#25	20.13	18.83	30	PASS
				RB50#0	20.09	18.79	30	PASS
			MCH	RB1#0	21.18	19.88	30	PASS
				RB1#25	20.94	19.64	30	PASS
				RB1#49	21.17	19.87	30	PASS
				RB25#0	20.03	18.73	30	PASS
				RB25#13	20.02	18.72	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#25	19.97	18.67	30	PASS
				RB50#0	20.01	18.71	30	PASS
			HCH	RB1#0	21.26	19.96	30	PASS
				RB1#25	21.15	19.85	30	PASS
				RB1#49	21.18	19.88	30	PASS
				RB25#0	20.04	18.74	30	PASS
				RB25#13	20.04	18.74	30	PASS
				RB25#25	20.04	18.74	30	PASS
				RB50#0	20.01	18.71	30	PASS
				15	LCH	RB1#0	21.05	19.75
		RB1#38	21.29			19.99	30	PASS
		RB1#74	21.16			19.86	30	PASS
		RB38#0	20.13			18.83	30	PASS
		RB38#19	20.15			18.85	30	PASS
		RB38#39	20.15			18.85	30	PASS
		RB75#0	20.11			18.81	30	PASS
		MCH	RB1#0	21.30	20.00	30	PASS	



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#38	21.31	20.01	30	PASS
				RB1#74	21.20	19.90	30	PASS
				RB38#0	20.09	18.79	30	PASS
				RB38#19	19.98	18.68	30	PASS
				RB38#39	20.15	18.85	30	PASS
				RB75#0	20.09	18.79	30	PASS
			HCH	RB1#0	21.42	20.12	30	PASS
				RB1#38	21.49	20.19	30	PASS
				RB1#74	21.23	19.93	30	PASS
				RB38#0	20.05	18.75	30	PASS
				RB38#19	20.06	18.76	30	PASS
				RB38#39	20.07	18.77	30	PASS
		20	LCH	RB1#0	21.49	20.19	30	PASS
				RB1#50	21.28	19.98	30	PASS
				RB1#99	21.48	20.18	30	PASS
				RB50#0	19.99	18.69	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#25	20.02	18.72	30	PASS
				RB50#50	19.97	18.67	30	PASS
				RB100#0	20.01	18.71	30	PASS
			MCH	RB1#0	21.57	20.27	30	PASS
				RB1#50	21.47	20.17	30	PASS
				RB1#99	21.58	20.28	30	PASS
				RB50#0	20.09	18.79	30	PASS
				RB50#25	19.95	18.65	30	PASS
				RB50#50	20.06	18.76	30	PASS
				RB100#0	19.99	18.69	30	PASS
			HCH	RB1#0	21.46	20.16	30	PASS
				RB1#50	21.08	19.78	30	PASS
				RB1#99	21.34	20.04	30	PASS
				RB50#0	20.01	18.71	30	PASS
				RB50#25	20.05	18.75	30	PASS
				RB50#50	20.04	18.74	30	PASS
				RB100#0	20.03	18.73	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	4.39	13	PASS
				RB1#3	4.59	13	PASS
				RB1#5	4.75	13	PASS
				RB3#0	5.03	13	PASS
				RB3#2	5.19	13	PASS
				RB3#3	4.98	13	PASS
			RB6#0	5.78	13	PASS	
			MCH	RB1#0	4.55	13	PASS
				RB1#3	4.53	13	PASS
				RB1#5	4.47	13	PASS
				RB3#0	4.94	13	PASS
				RB3#2	4.93	13	PASS
		RB3#3		4.79	13	PASS	
		HCH	RB6#0	5.82	13	PASS	
			RB1#0	4.17	13	PASS	
			RB1#3	4.16	13	PASS	
			RB1#5	4.20	13	PASS	
			RB3#0	4.52	13	PASS	
			RB3#2	4.33	13	PASS	
		3	LCH	RB3#3	4.41	13	PASS
				RB6#0	5.57	13	PASS
				RB1#0	4.47	13	PASS
				RB1#7	4.60	13	PASS
				RB1#14	4.53	13	PASS
RB8#0	5.57			13	PASS		
MCH	RB8#4		5.59	13	PASS		
	RB8#7		5.64	13	PASS		
	RB15#0		5.61	13	PASS		
	RB1#0		4.47	13	PASS		
	RB1#7		4.82	13	PASS		
	RB1#14		4.53	13	PASS		
RB8#0	5.64	13	PASS				
RB8#4	5.58	13	PASS				
RB8#7	5.63	13	PASS				



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			HCH	RB15#0	5.73	13	PASS
				RB1#0	4.25	13	PASS
				RB1#7	4.72	13	PASS
				RB1#14	4.23	13	PASS
				RB8#0	5.33	13	PASS
				RB8#4	5.21	13	PASS
				RB8#7	5.39	13	PASS
				RB15#0	5.68	13	PASS
		5	LCH	RB1#0	4.62	13	PASS
				RB1#13	4.53	13	PASS
				RB1#24	4.65	13	PASS
				RB12#0	5.69	13	PASS
				RB12#6	5.83	13	PASS
				RB12#13	5.87	13	PASS
				RB25#0	6.02	13	PASS
			MCH	RB1#0	4.47	13	PASS
				RB1#13	4.38	13	PASS
				RB1#24	4.52	13	PASS
				RB12#0	5.48	13	PASS
				RB12#6	5.65	13	PASS
				RB12#13	5.55	13	PASS
			HCH	RB1#0	4.25	13	PASS
				RB1#13	4.04	13	PASS
				RB1#24	4.07	13	PASS
				RB12#0	5.54	13	PASS
		RB12#6		5.30	13	PASS	
		RB12#13		5.36	13	PASS	
		RB25#0		5.73	13	PASS	
		10	LCH	RB1#0	4.61	13	PASS
				RB1#25	4.72	13	PASS
				RB1#49	4.63	13	PASS
				RB25#0	5.86	13	PASS
				RB25#13	5.83	13	PASS
RB25#25	5.81			13	PASS		
RB50#0	6.25			13	PASS		
MCH	RB1#0		4.46	13	PASS		
	RB1#25		4.56	13	PASS		
	RB1#49		4.55	13	PASS		



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
				RB25#0	5.92	13	PASS	
				RB25#13	5.89	13	PASS	
				RB25#25	5.92	13	PASS	
				RB50#0	6.04	13	PASS	
			HCH	RB1#0	4.45	13	PASS	
				RB1#25	4.21	13	PASS	
				RB1#49	4.13	13	PASS	
				RB25#0	5.64	13	PASS	
				RB25#13	5.54	13	PASS	
				RB25#25	5.54	13	PASS	
				RB50#0	5.75	13	PASS	
				LCH	RB1#0	4.57	13	PASS
					RB1#38	4.49	13	PASS
					RB1#74	4.54	13	PASS
		RB38#0			5.86	13	PASS	
		RB38#19			5.77	13	PASS	
		RB38#39			5.80	13	PASS	
		RB75#0	6.18		13	PASS		
		MCH	RB1#0	4.76	13	PASS		
			RB1#38	4.58	13	PASS		
			RB1#74	4.77	13	PASS		
			RB38#0	5.95	13	PASS		
			RB38#19	5.96	13	PASS		
			RB38#39	6.08	13	PASS		
			RB75#0	6.28	13	PASS		
		HCH	RB1#0	4.68	13	PASS		
			RB1#38	4.22	13	PASS		
			RB1#74	4.22	13	PASS		
			RB38#0	5.95	13	PASS		
			RB38#19	5.73	13	PASS		
			RB38#39	5.77	13	PASS		
			RB75#0	6.04	13	PASS		
20	LCH	RB1#0	4.45	13	PASS			
		RB1#50	4.71	13	PASS			
		RB1#99	4.48	13	PASS			
		RB50#0	5.92	13	PASS			
		RB50#25	5.80	13	PASS			
		RB50#50	5.88	13	PASS			
		RB100#0	6.19	13	PASS			



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
			MCH	RB1#0	4.50	13	PASS	
				RB1#50	4.56	13	PASS	
				RB1#99	4.52	13	PASS	
				RB50#0	5.96	13	PASS	
				RB50#25	5.94	13	PASS	
				RB50#50	6.01	13	PASS	
				RB100#0	6.26	13	PASS	
			HCH	RB1#0	4.65	13	PASS	
				RB1#50	4.49	13	PASS	
				RB1#99	4.28	13	PASS	
				RB50#0	5.86	13	PASS	
				RB50#25	5.72	13	PASS	
				RB50#50	5.66	13	PASS	
				RB100#0	6.27	13	PASS	
			1.4	LCH	RB1#0	5.50	13	PASS
					RB1#3	5.86	13	PASS
					RB1#5	5.63	13	PASS
					RB3#0	5.86	13	PASS
					RB3#2	5.80	13	PASS
					RB3#3	5.69	13	PASS
					RB6#0	6.68	13	PASS
				MCH	RB1#0	5.25	13	PASS
					RB1#3	5.85	13	PASS
					RB1#5	5.27	13	PASS
					RB3#0	5.62	13	PASS
					RB3#2	6.12	13	PASS
					RB3#3	5.67	13	PASS
					RB6#0	6.52	13	PASS
HCH	RB1#0	4.70	13	PASS				
	RB1#3	4.79	13	PASS				
	RB1#5	4.69	13	PASS				
	RB3#0	5.55	13	PASS				
	RB3#2	5.64	13	PASS				
	RB3#3	5.53	13	PASS				
	RB6#0	6.56	13	PASS				
		3	LCH	RB1#0	5.39	13	PASS	
				RB1#7	5.84	13	PASS	
				RB1#14	5.61	13	PASS	
				RB8#0	6.57	13	PASS	



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict		
				RB8#4	6.59	13	PASS		
				RB8#7	6.65	13	PASS		
				RB15#0	6.41	13	PASS		
			MCH	RB1#0	5.05	13	PASS		
				RB1#7	5.46	13	PASS		
				RB1#14	5.10	13	PASS		
				RB8#0	6.58	13	PASS		
				RB8#4	6.62	13	PASS		
				RB8#7	6.68	13	PASS		
			HCH	RB15#0	6.77	13	PASS		
				RB1#0	4.90	13	PASS		
				RB1#7	4.65	13	PASS		
				RB1#14	4.74	13	PASS		
				RB8#0	6.12	13	PASS		
				RB8#4	6.04	13	PASS		
			5	LCH		RB8#7	6.15	13	PASS
						RB15#0	6.49	13	PASS
						RB1#0	5.50	13	PASS
		RB1#13				5.45	13	PASS	
		RB1#24				5.57	13	PASS	
		RB12#0				6.39	13	PASS	
		MCH		RB12#6		6.59	13	PASS	
				RB12#13	6.58	13	PASS		
				RB25#0	6.73	13	PASS		
				RB1#0	5.29	13	PASS		
				RB1#13	5.28	13	PASS		
				RB1#24	5.43	13	PASS		
		HCH		RB12#0	6.52	13	PASS		
				RB12#6	6.47	13	PASS		
				RB12#13	6.25	13	PASS		
			RB25#0	6.89	13	PASS			
			RB1#0	4.81	13	PASS			
			RB1#13	4.62	13	PASS			
10	LCH	RB1#24	4.72	13	PASS				
		RB12#0	5.85	13	PASS				
			RB12#6	5.69	13	PASS			
			RB12#13	6.32	13	PASS			
			RB25#0	6.61	13	PASS			
			RB1#0	5.28	13	PASS			



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#25	5.49	13	PASS
				RB1#49	5.33	13	PASS
				RB25#0	6.78	13	PASS
				RB25#13	6.82	13	PASS
				RB25#25	6.86	13	PASS
				RB50#0	6.84	13	PASS
			MCH	RB1#0	5.45	13	PASS
				RB1#25	5.49	13	PASS
				RB1#49	5.57	13	PASS
				RB25#0	6.68	13	PASS
				RB25#13	6.65	13	PASS
				RB25#25	6.82	13	PASS
			HCH	RB50#0	7.11	13	PASS
				RB1#0	5.10	13	PASS
				RB1#25	5.18	13	PASS
				RB1#49	4.98	13	PASS
				RB25#0	6.60	13	PASS
				RB25#13	6.36	13	PASS
		15	LCH	RB25#25	6.40	13	PASS
				RB50#0	6.82	13	PASS
				RB1#0	5.64	13	PASS
				RB1#38	5.52	13	PASS
				RB1#74	5.52	13	PASS
				RB38#0	6.78	13	PASS
			MCH	RB38#19	6.67	13	PASS
				RB38#39	6.82	13	PASS
				RB75#0	7.18	13	PASS
				RB1#0	5.41	13	PASS
				RB1#38	5.46	13	PASS
				RB1#74	5.59	13	PASS
HCH	RB38#0	6.82	13	PASS			
	RB38#19	6.77	13	PASS			
	RB38#39	6.84	13	PASS			
	RB75#0	7.29	13	PASS			
	RB38#19	6.50	13	PASS			
			HCH	RB1#0	5.31	13	PASS
			HCH	RB1#38	4.78	13	PASS
			HCH	RB1#74	4.93	13	PASS
			HCH	RB38#0	6.68	13	PASS
			HCH	RB38#19	6.50	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB38#39	6.37	13	PASS
				RB75#0	6.93	13	PASS
		20	LCH	RB1#0	5.33	13	PASS
				RB1#50	5.42	13	PASS
				RB1#99	5.44	13	PASS
				RB50#0	6.78	13	PASS
				RB50#25	6.69	13	PASS
				RB50#50	6.80	13	PASS
				RB100#0	7.14	13	PASS
				MCH	RB1#0	5.36	13
			RB1#50		5.37	13	PASS
			RB1#99		5.36	13	PASS
			RB50#0		6.76	13	PASS
			HCH	RB50#25	6.73	13	PASS
		RB50#50		6.87	13	PASS	
		RB100#0		7.07	13	PASS	
		RB1#0		5.49	13	PASS	
		RB1#50		5.47	13	PASS	
		RB1#99		5.04	13	PASS	
						RB50#0	6.67
				RB50#25	6.52	13	PASS
				RB50#50	6.46	13	PASS
				RB100#0	6.90	13	PASS



## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

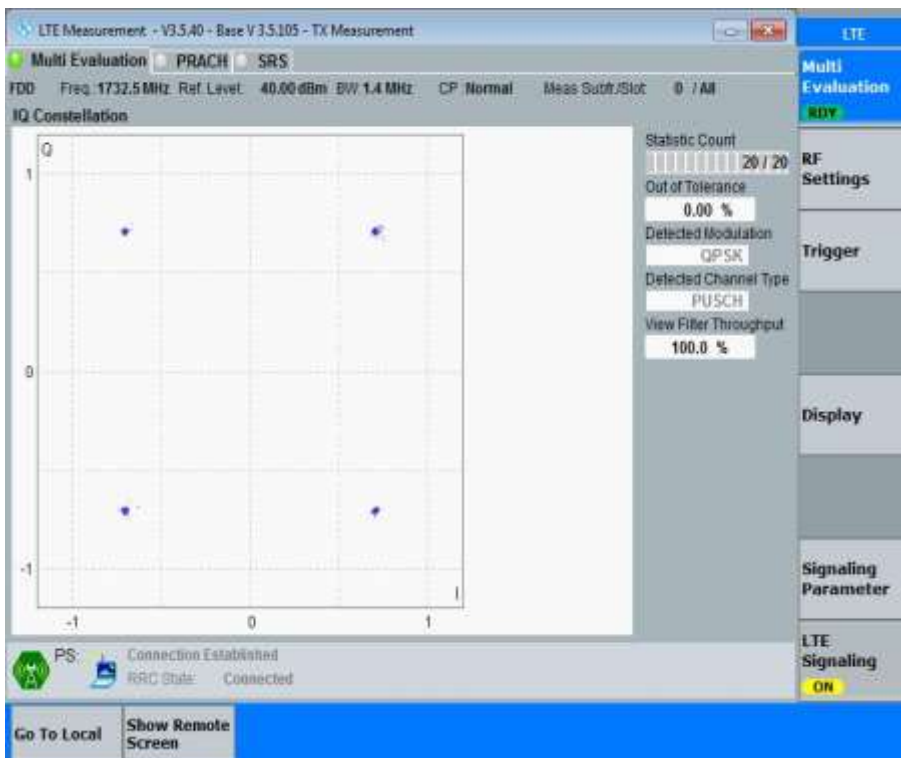
##### 3.1.1 Test Band = BAND4

##### 3.1.1.1 Test Mode = LTE/TM1

##### 3.1.1.1.1 Test Bandwidth = 1.4

##### 3.1.1.1.1.1 Test Channel = MCH

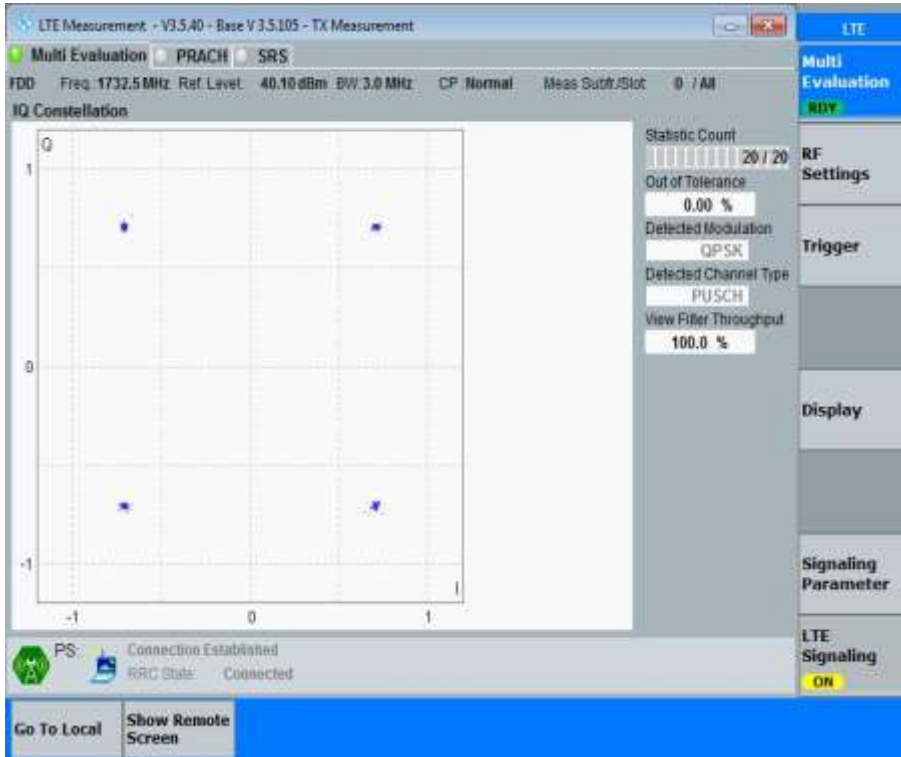
##### 3.1.1.1.1.1.1 Test RB = RB6#0



### 3.1.1.1.2 Test Bandwidth = 3

#### 3.1.1.1.2.1 Test Channel = MCH

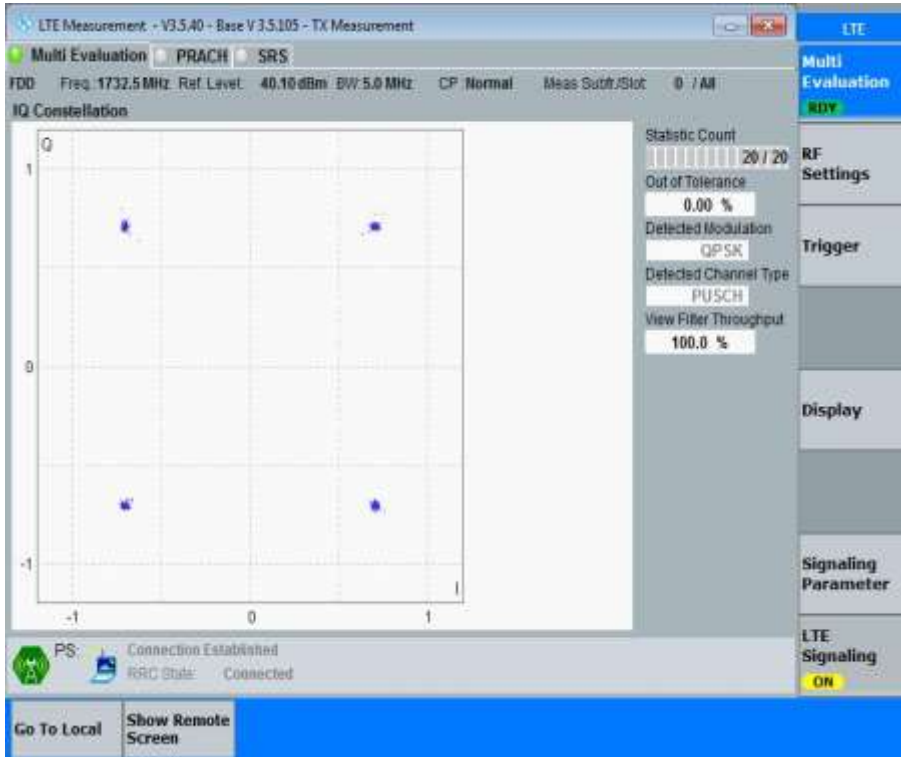
##### 3.1.1.1.2.1.1 Test RB = RB15#0



### 3.1.1.1.3 Test Bandwidth = 5

#### 3.1.1.1.3.1 Test Channel = MCH

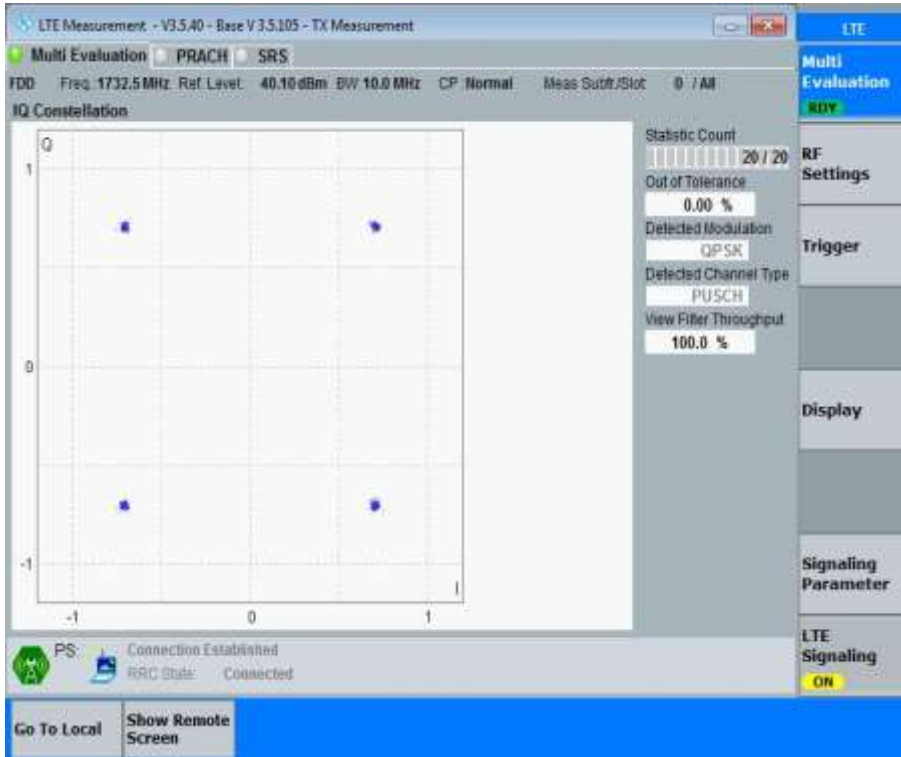
##### 3.1.1.1.3.1.1 Test RB = RB25#0



### 3.1.1.1.4 Test Bandwidth = 10

#### 3.1.1.1.4.1 Test Channel = MCH

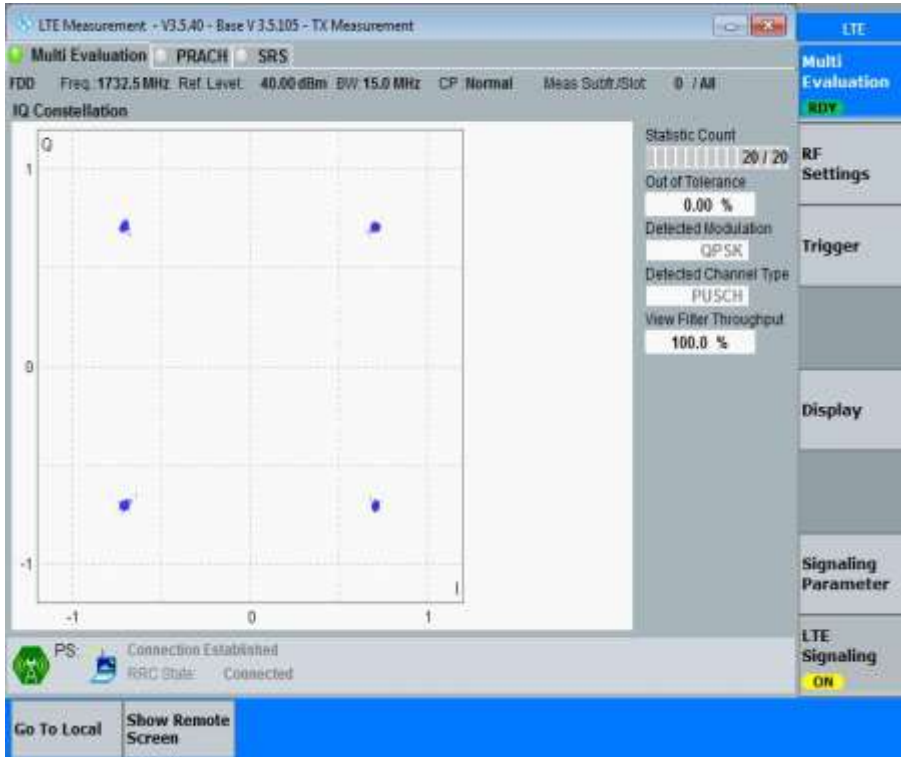
##### 3.1.1.1.4.1.1 Test RB = RB50#0



### 3.1.1.1.5 Test Bandwidth = 15

#### 3.1.1.1.5.1 Test Channel = MCH

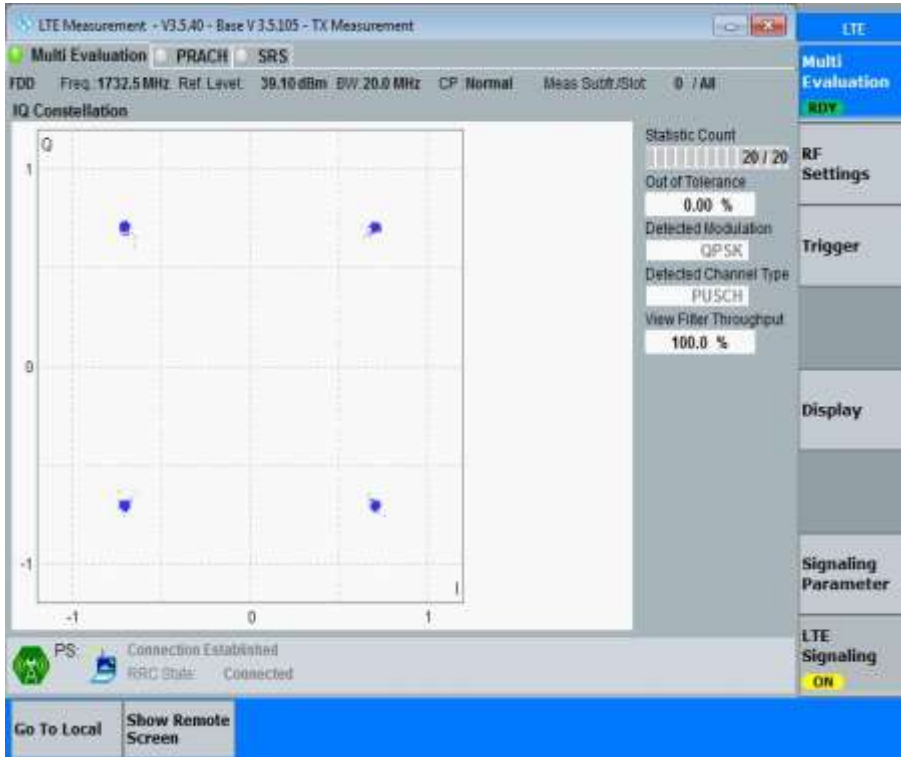
##### 3.1.1.1.5.1.1 Test RB = RB75#0



### 3.1.1.1.6 Test Bandwidth = 20

#### 3.1.1.1.6.1 Test Channel = MCH

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

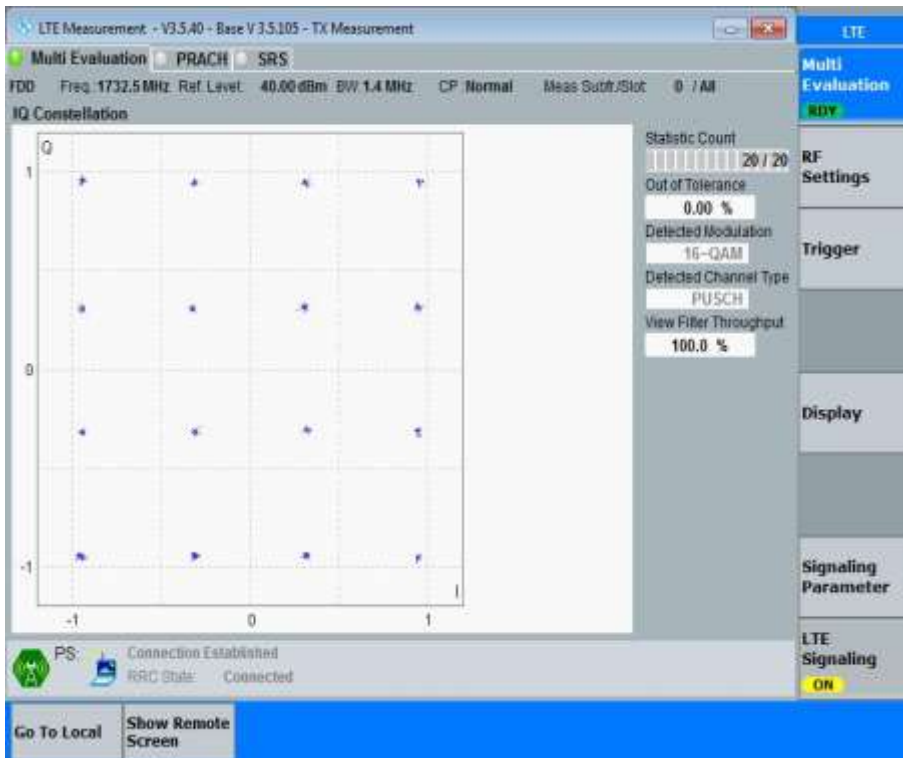


### 3.1.1.2 Test Mode = LTE/TM2

#### 3.1.1.2.1 Test Bandwidth = 1.4

##### 3.1.1.2.1.1 Test Channel = MCH

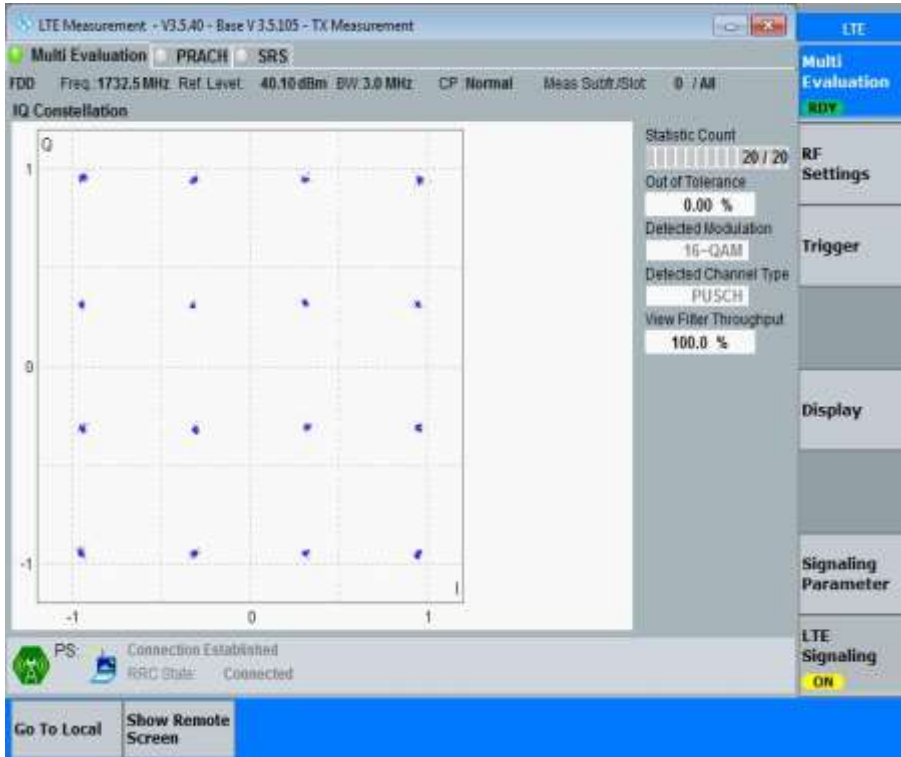
###### 3.1.1.2.1.1.1 Test RB = RB6#0



### 3.1.1.2.2 Test Bandwidth = 3

#### 3.1.1.2.2.1 Test Channel = MCH

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

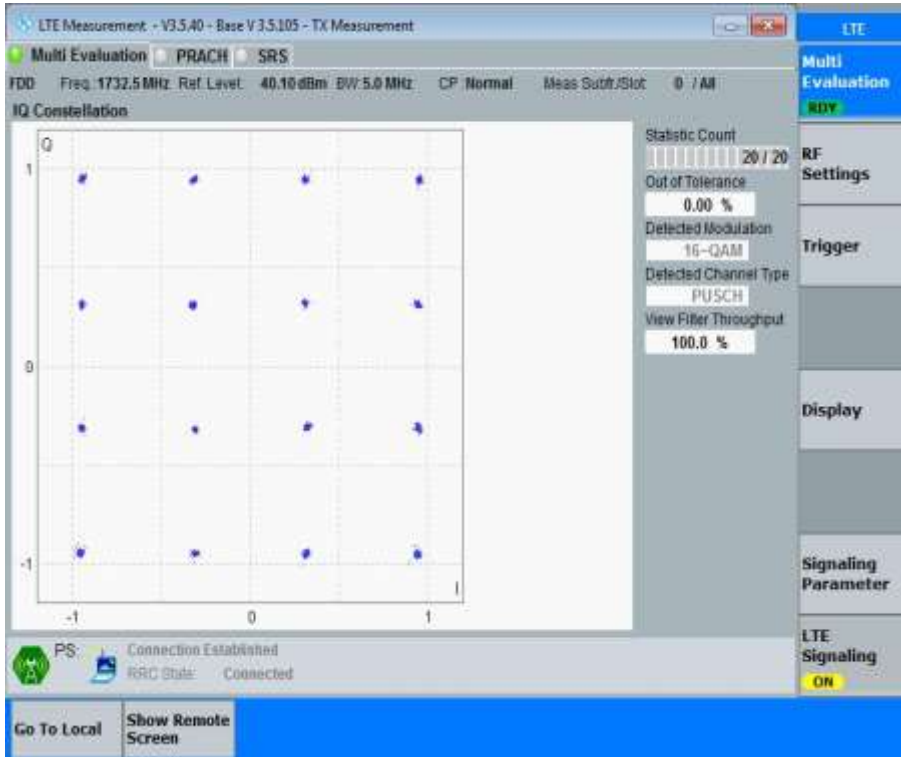




### 3.1.1.2.3 Test Bandwidth = 5

#### 3.1.1.2.3.1 Test Channel = MCH

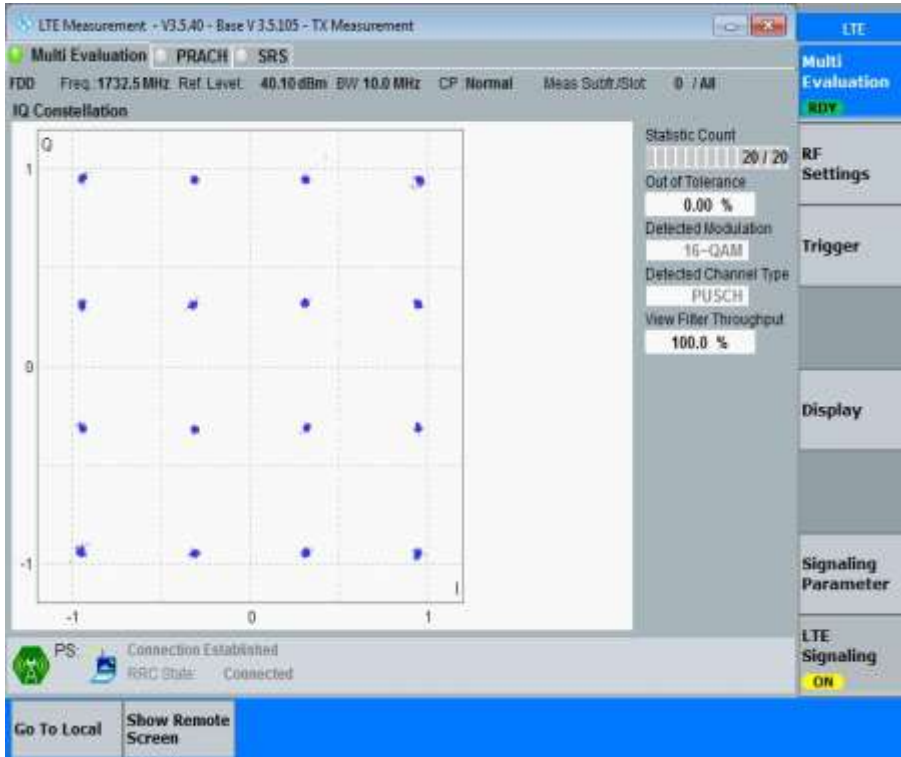
##### 3.1.1.2.3.1.1 Test RB = RB25#0



### 3.1.1.2.4 Test Bandwidth = 10

#### 3.1.1.2.4.1 Test Channel = MCH

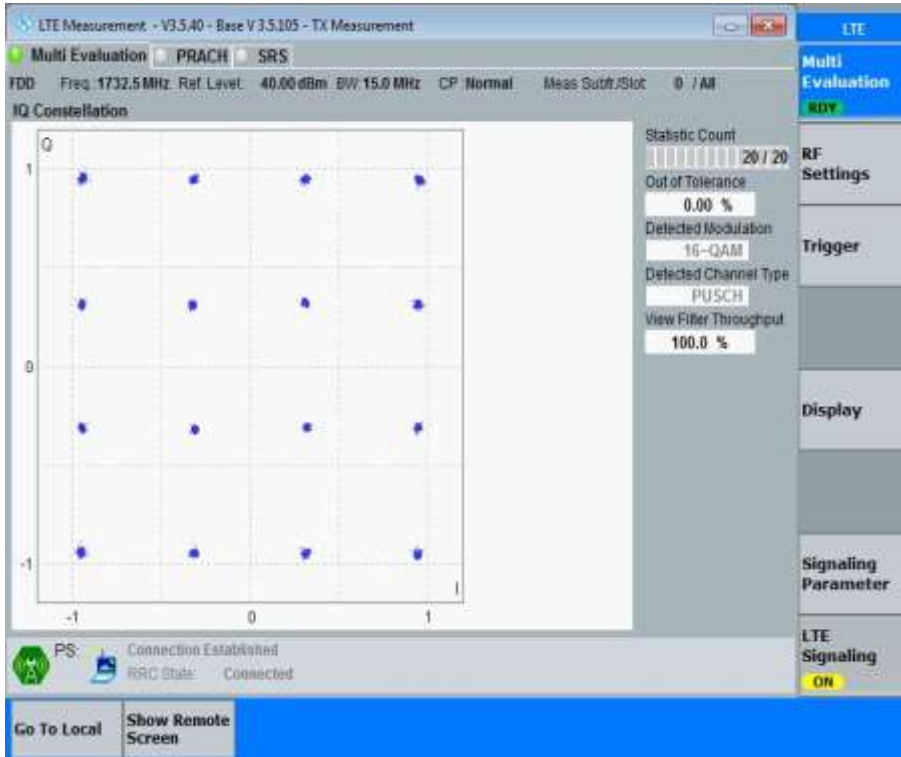
##### 3.1.1.2.4.1.1 Test RB = RB50#0



### 3.1.1.2.5 Test Bandwidth = 15

#### 3.1.1.2.5.1 Test Channel = MCH

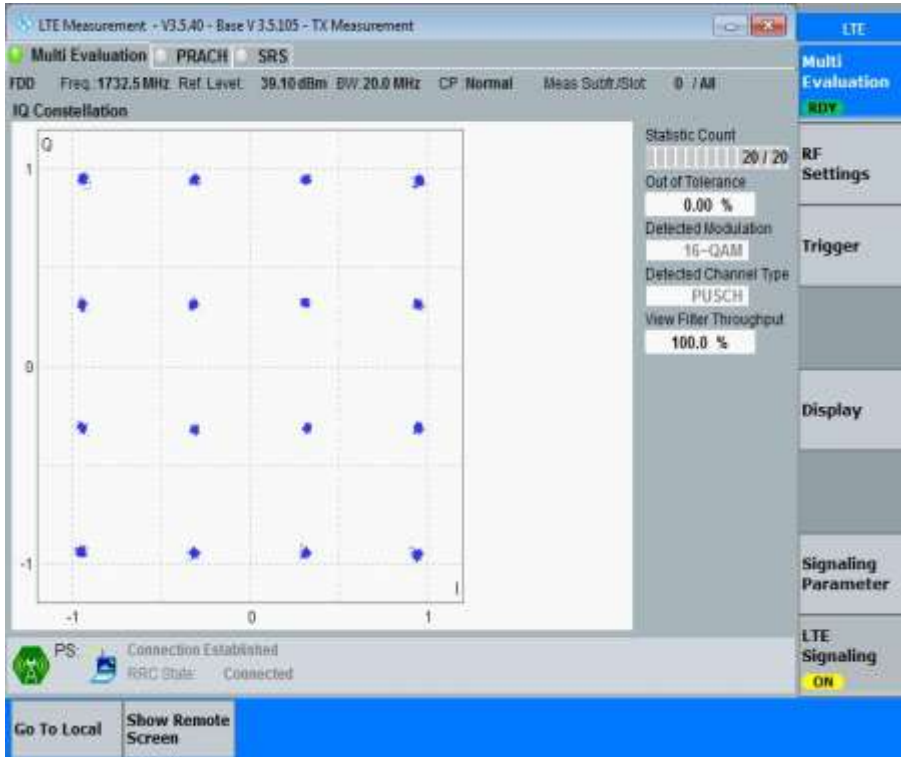
##### 3.1.1.2.5.1.1 Test RB = RB75#0



### 3.1.1.2.6 Test Bandwidth = 20

#### 3.1.1.2.6.1 Test Channel = MCH

##### 3.1.1.2.6.1.1 Test RB = RB100#0





## 4Appendix\_D: Bandwidth

### Part I - Test Results

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND4	LTE/TM1	1.4	LCH	RB6#0	1.10	1.23	Pass
			MCH	RB6#0	1.10	1.24	Pass
			HCH	RB6#0	1.09	1.24	Pass
		3	LCH	RB15#0	2.70	2.99	Pass
			MCH	RB15#0	2.70	2.97	Pass
			HCH	RB15#0	2.71	2.98	Pass
		5	LCH	RB25#0	4.52	4.95	Pass
			MCH	RB25#0	4.51	4.95	Pass
			HCH	RB25#0	4.52	4.94	Pass
		10	LCH	RB50#0	8.98	9.90	Pass
			MCH	RB50#0	9.01	9.89	Pass
			HCH	RB50#0	8.99	9.86	Pass
		15	LCH	RB75#0	13.50	14.94	Pass
			MCH	RB75#0	13.48	14.90	Pass
			HCH	RB75#0	13.49	14.98	Pass
		20	LCH	RB100#0	18.00	19.67	Pass
			MCH	RB100#0	18.03	19.67	Pass
			HCH	RB100#0	17.99	19.73	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	2.98	Pass
			MCH	RB15#0	2.70	2.97	Pass
			HCH	RB15#0	2.71	2.97	Pass
		5	LCH	RB25#0	4.52	4.95	Pass
			MCH	RB25#0	4.51	4.96	Pass
			HCH	RB25#0	4.51	4.94	Pass
10		LCH	RB50#0	9.02	9.88	Pass	
		MCH	RB50#0	9.01	9.92	Pass	
		HCH	RB50#0	9.00	9.91	Pass	
15		LCH	RB75#0	13.52	15.00	Pass	
		MCH	RB75#0	13.50	14.94	Pass	
		HCH	RB75#0	13.51	14.98	Pass	
20		LCH	RB100#0	17.99	19.74	Pass	



Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
			MCH	RB100#0	18.03	19.79	Pass
			HCH	RB100#0	17.98	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 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

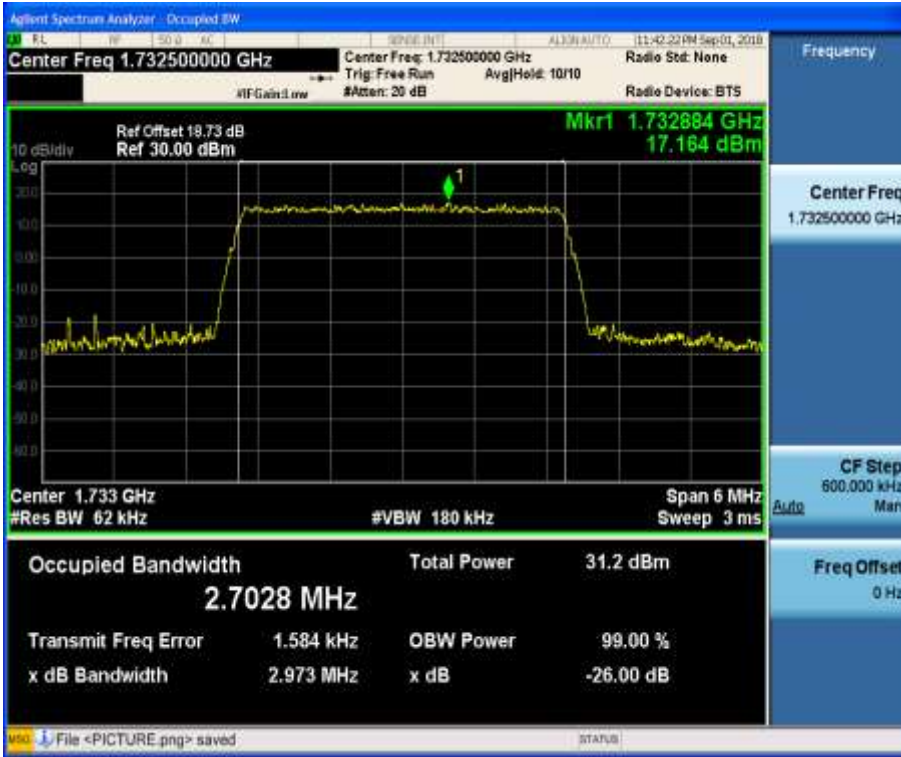
4.1.1.1.2.1.1 Test RB = RB15#0





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

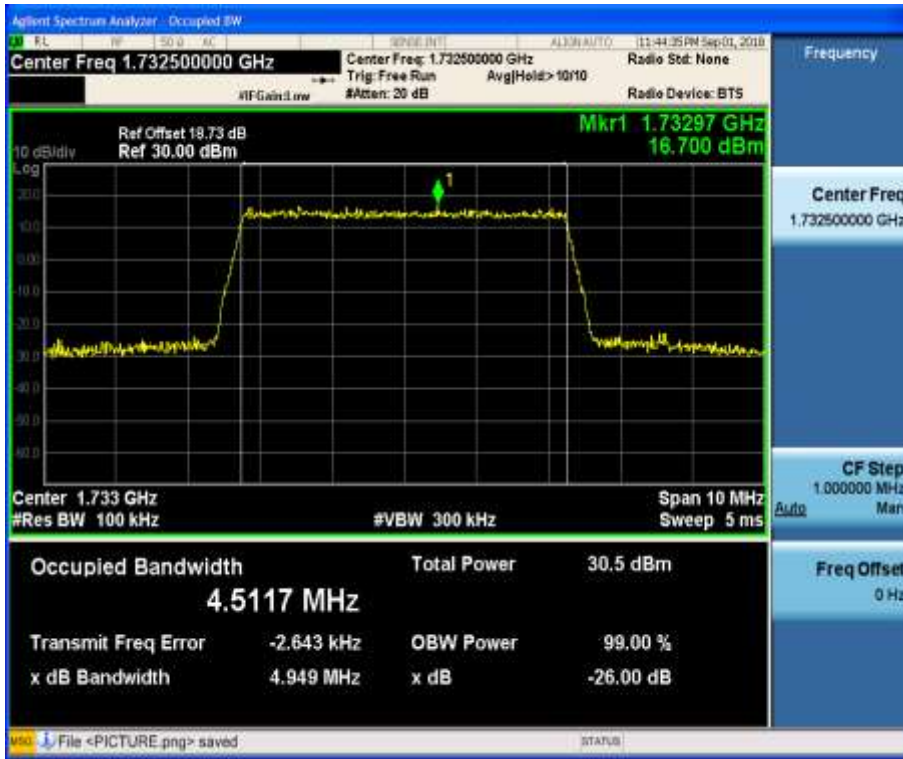
4.1.1.1.3.1 Test Channel = LCH

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

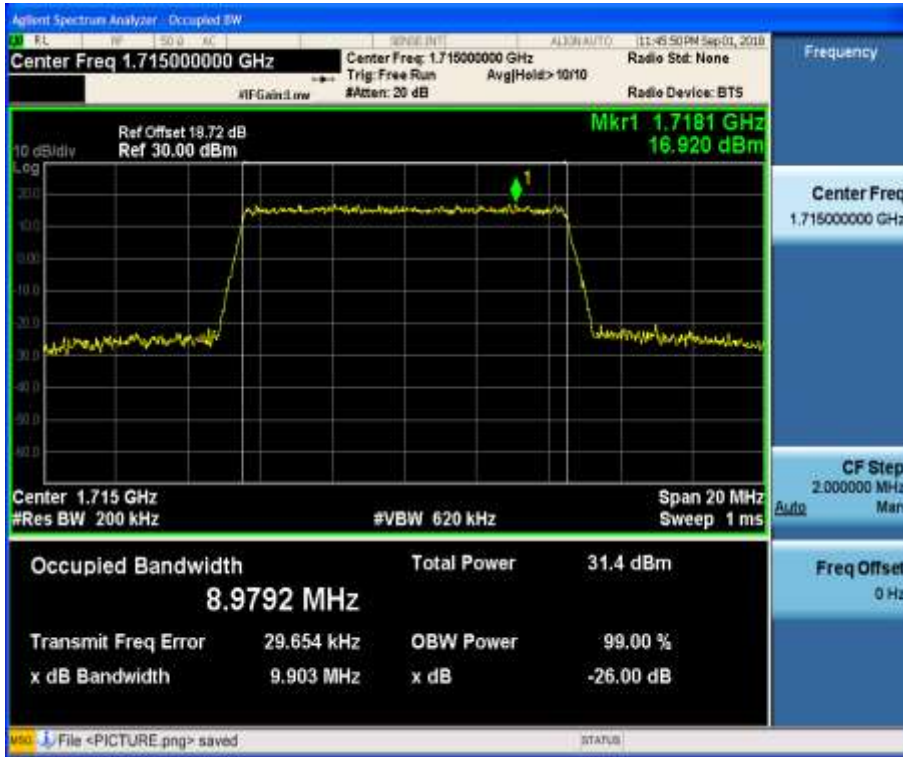
#### 4.1.1.1.3.3.1 Test RB = RB25#0



4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

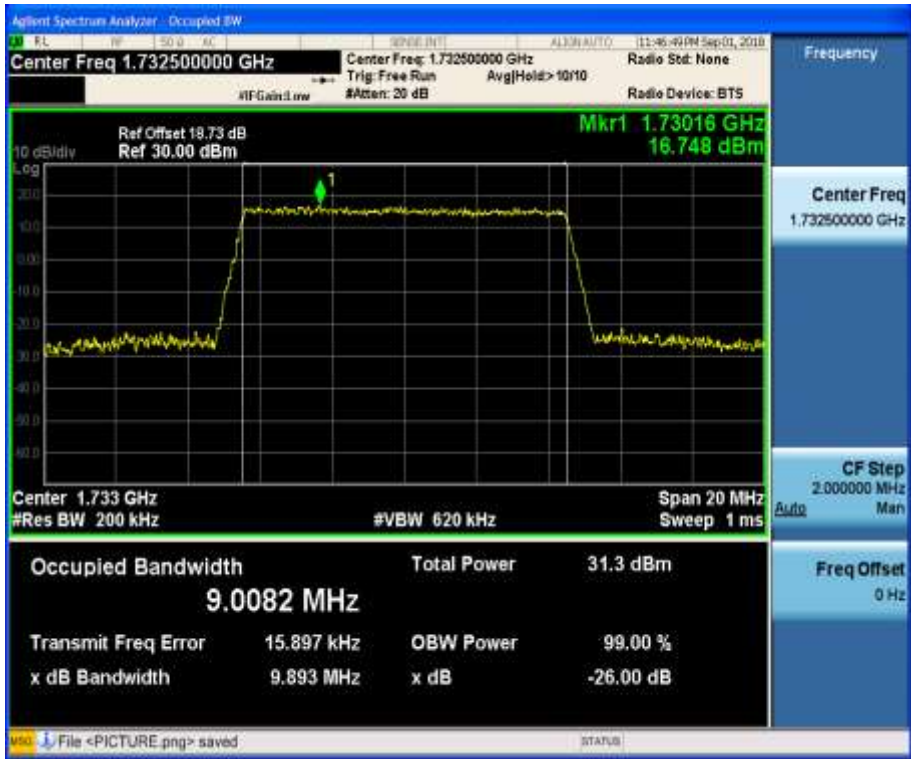
4.1.1.1.4.1.1 Test RB = RB50#0





#### 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

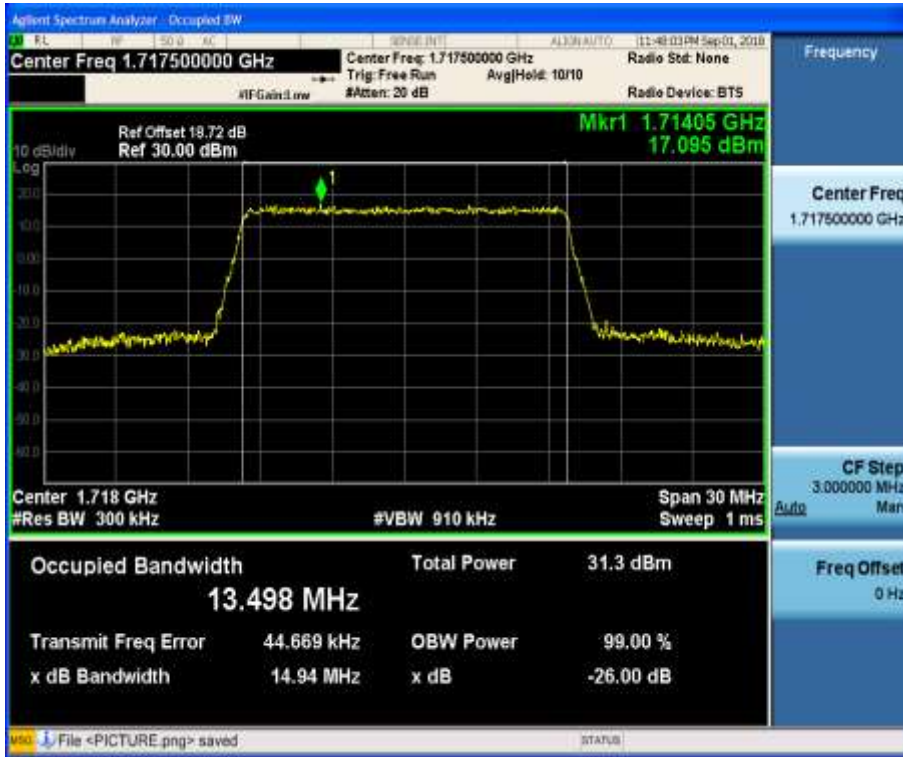
4.1.1.1.4.3.1 Test RB = RB50#0



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





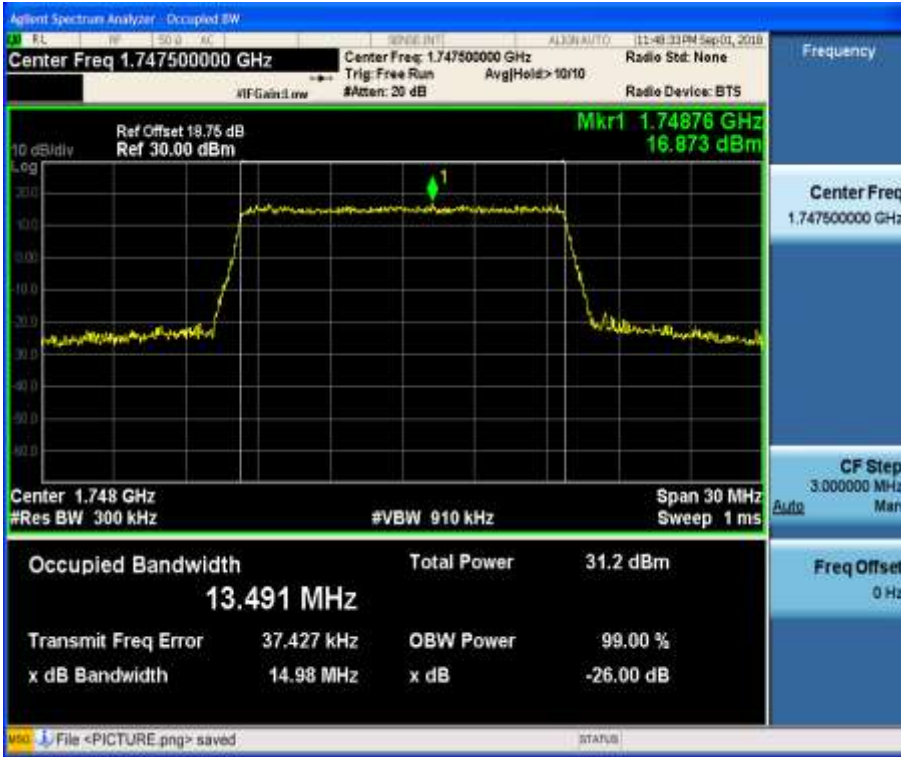
4.1.1.1.5.2 Test Channel = MCH

4.1.1.1.5.2.1 Test RB = RB75#0



4.1.1.1.5.3 Test Channel = HCH

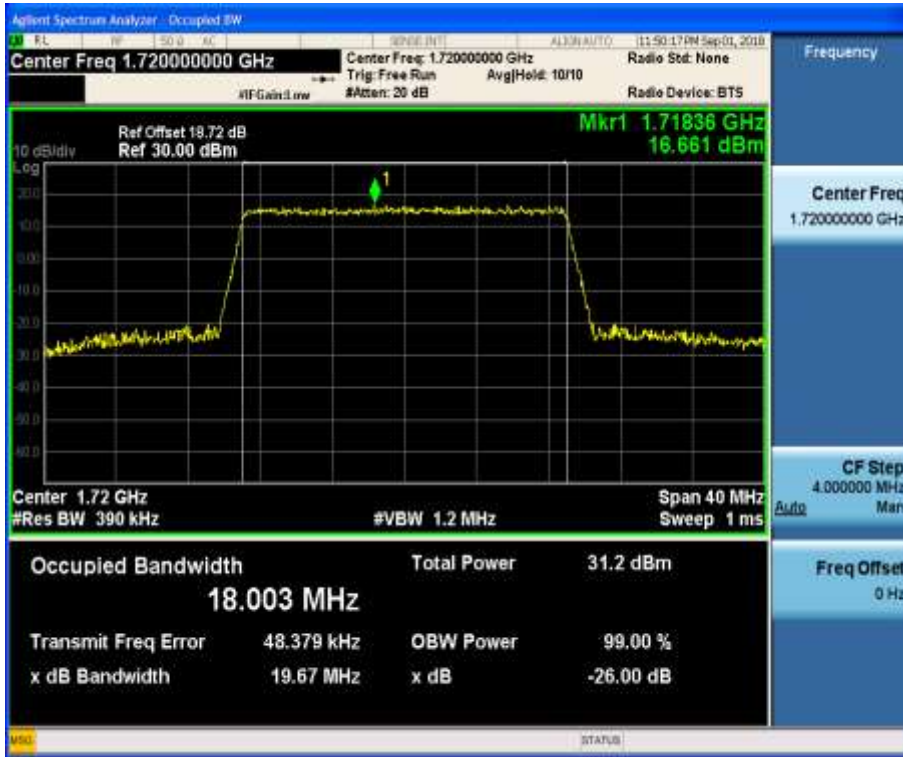
4.1.1.1.5.3.1 Test RB = RB75#0



4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

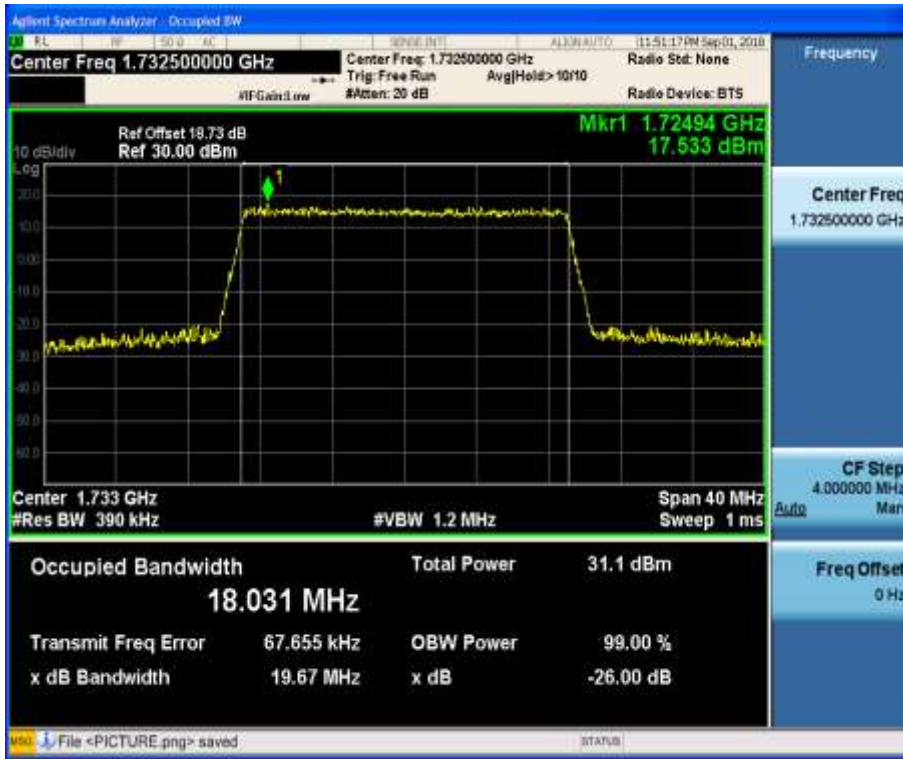
4.1.1.1.6.1.1 Test RB = RB100#0





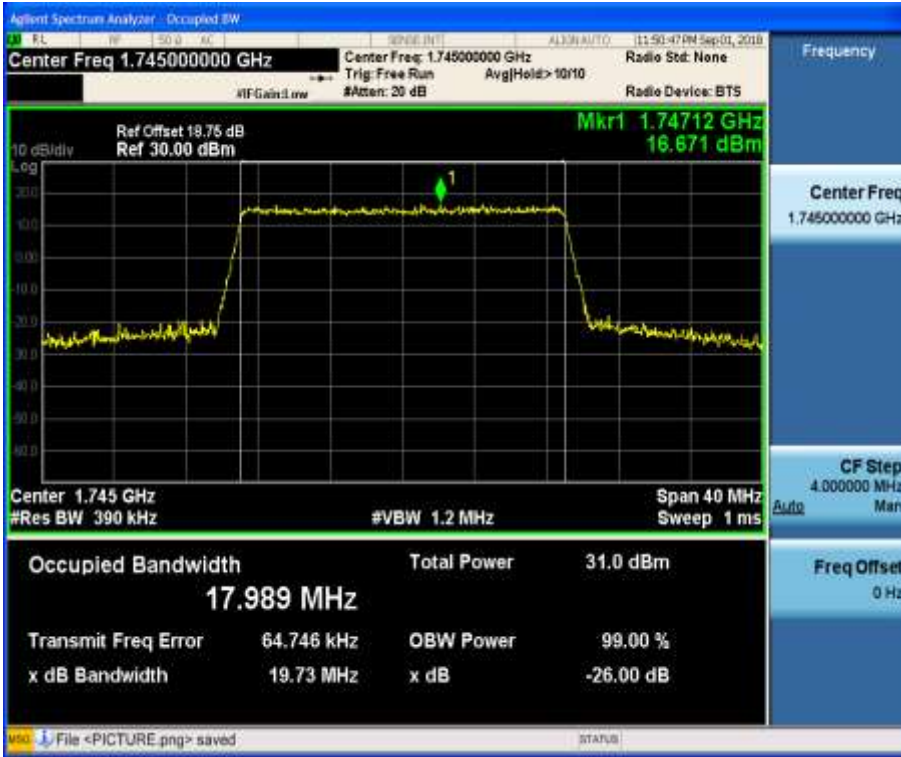
4.1.1.1.6.2 Test Channel = MCH

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

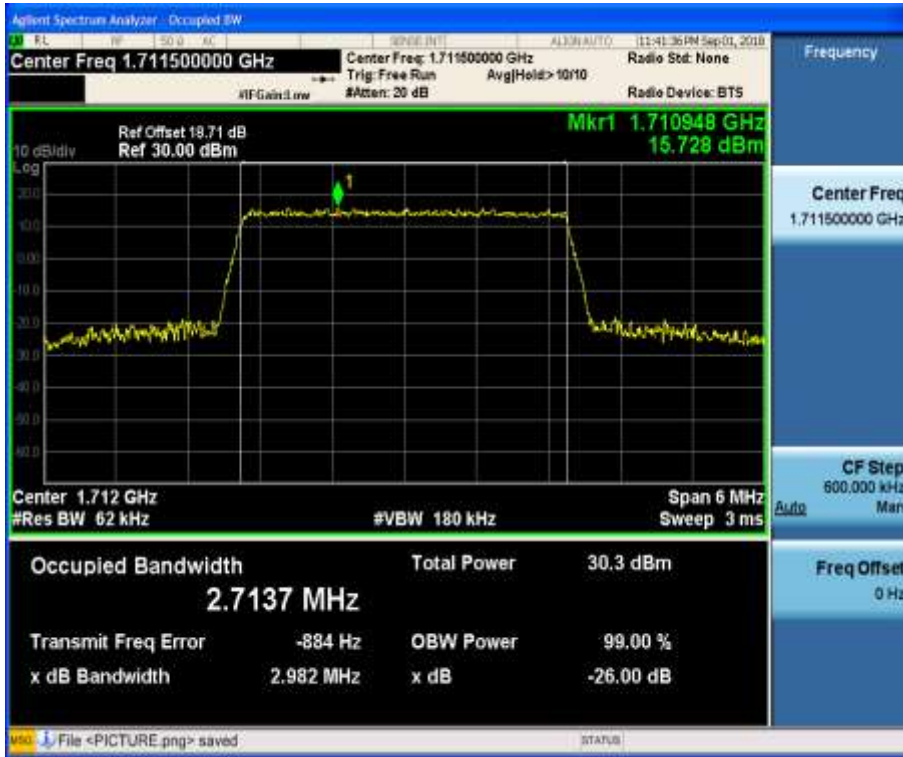
4.1.1.2.1.3.1 Test RB = RB6#0



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





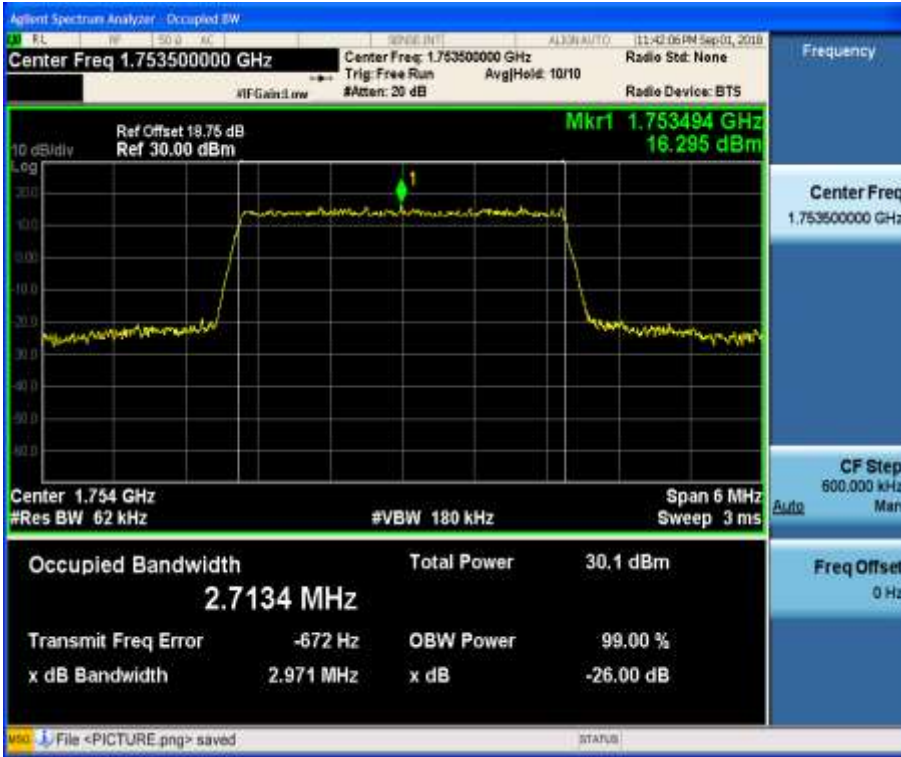
4.1.1.2.2.2 Test Channel = MCH

4.1.1.2.2.2.1 Test RB = RB15#0



4.1.1.2.2.3 Test Channel = HCH

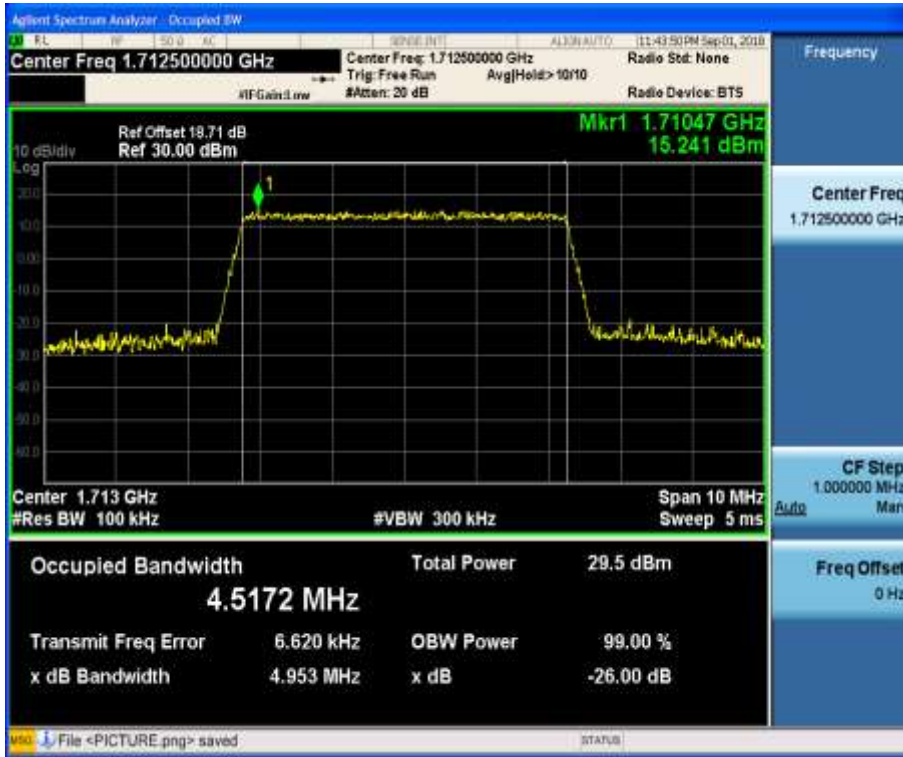
4.1.1.2.2.3.1 Test RB = RB15#0



4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

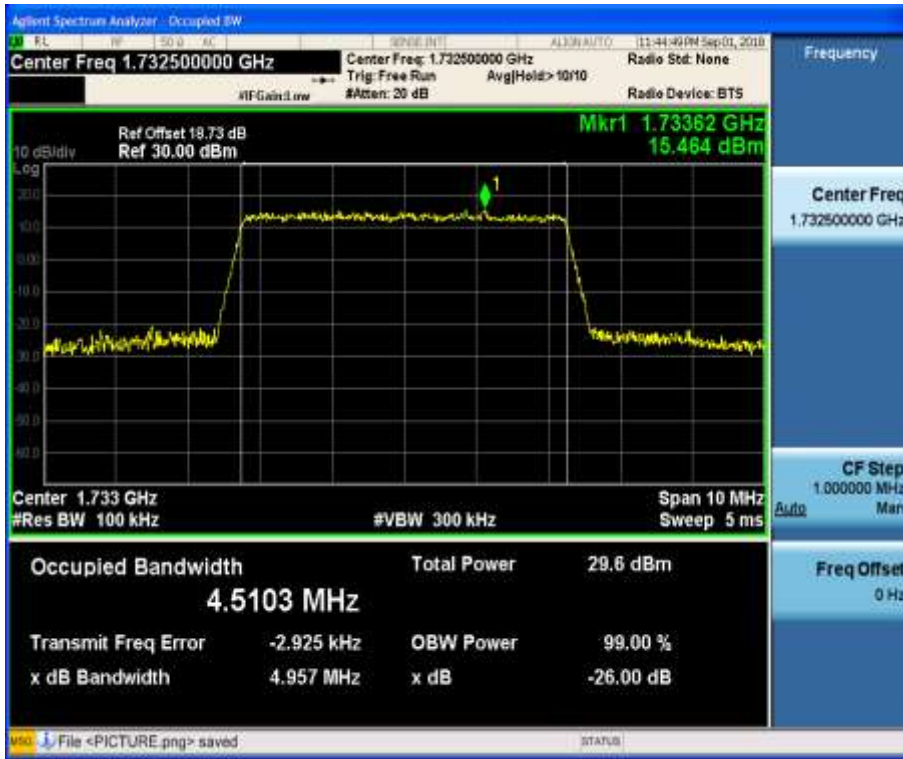
4.1.1.2.3.1.1 Test RB = RB25#0





### 4.1.1.2.3.2 Test Channel = MCH

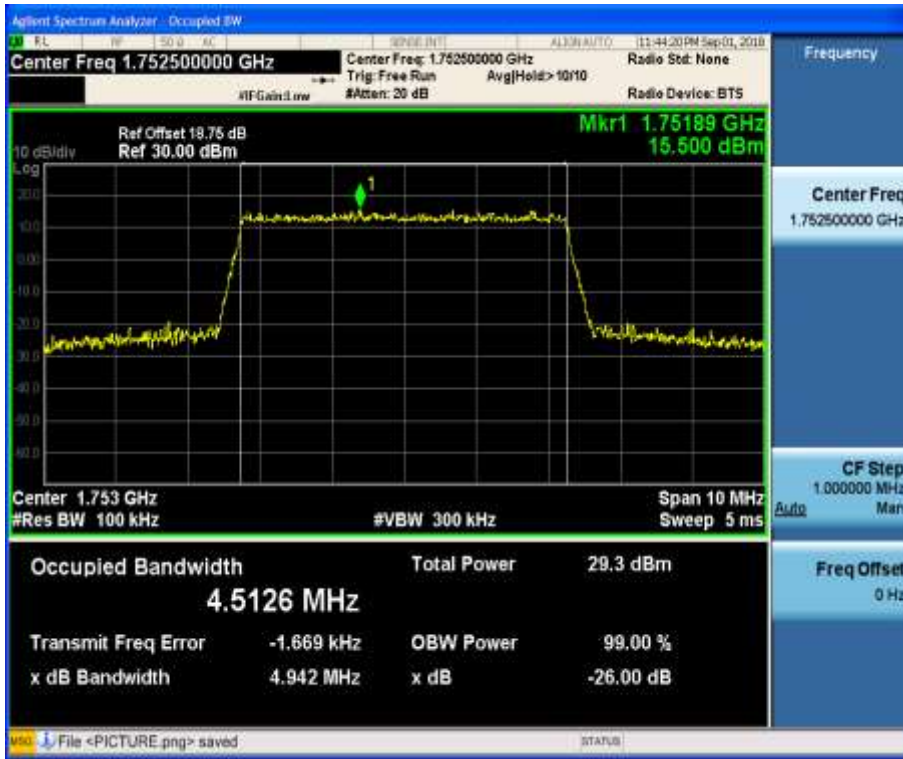
#### 4.1.1.2.3.2.1 Test RB = RB25#0





4.1.1.2.3.3 Test Channel = HCH

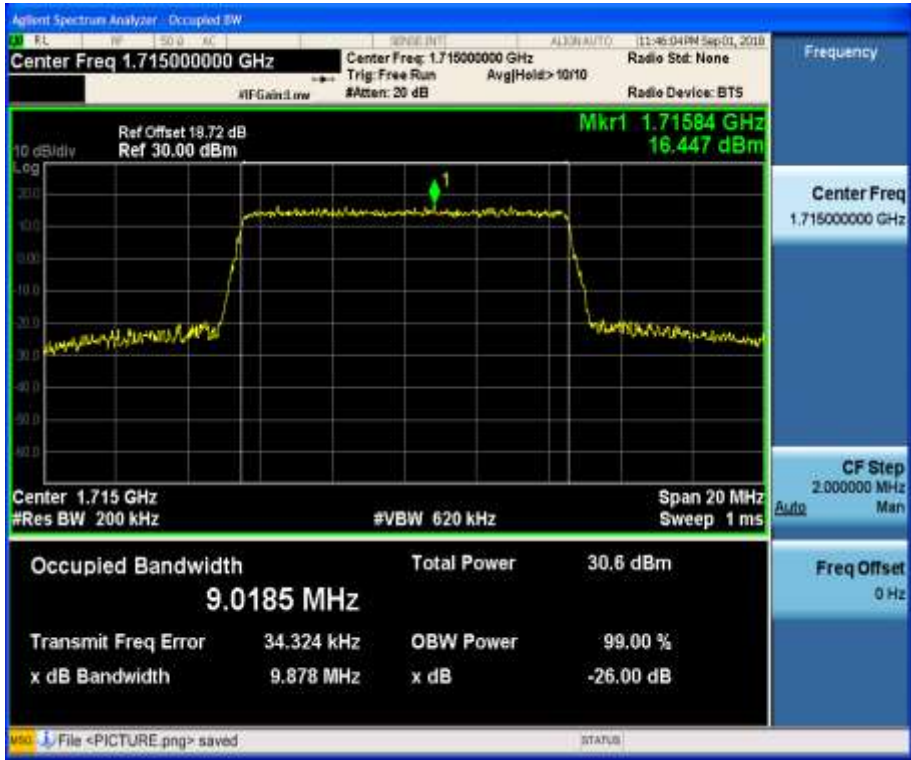
4.1.1.2.3.3.1 Test RB = RB25#0



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

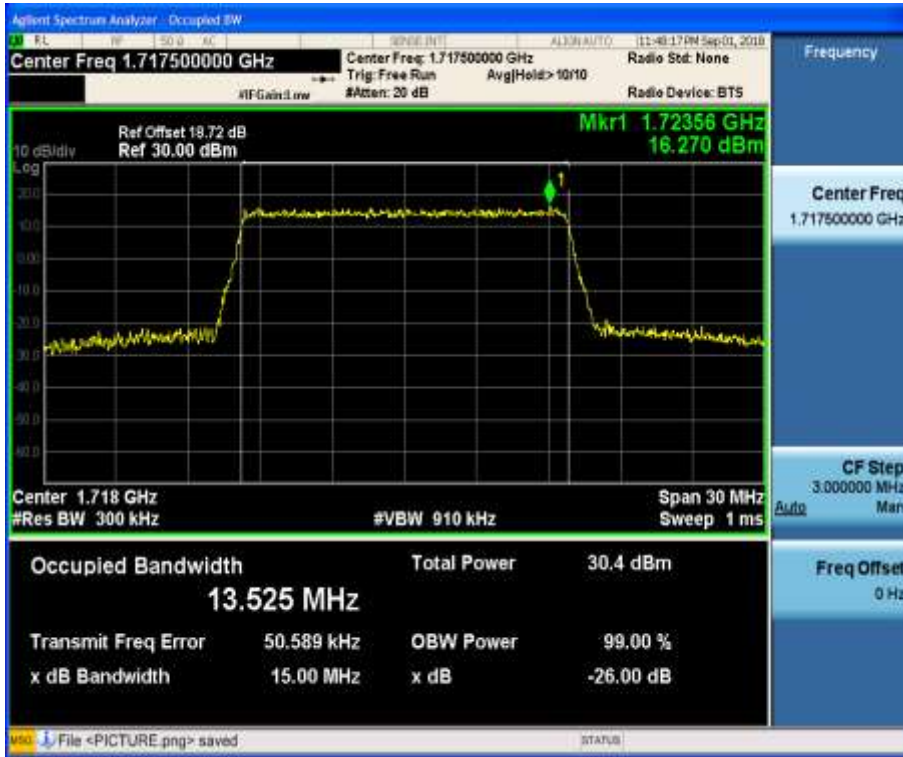
4.1.1.2.4.3.1 Test RB = RB50#0



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

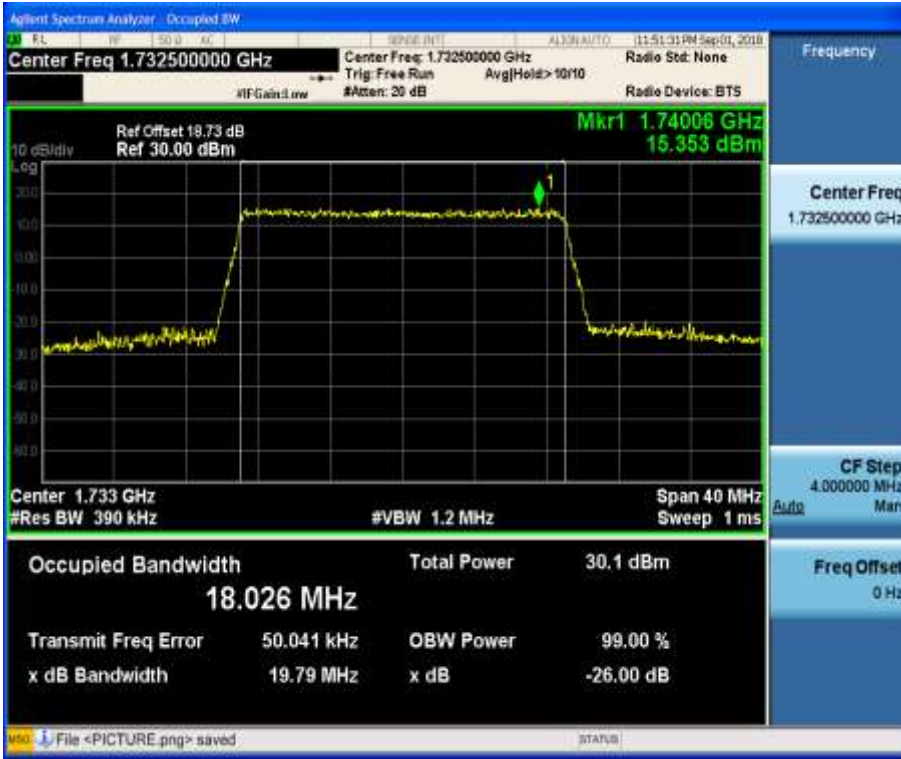
4.1.1.2.6.1.1 Test RB = RB100#0





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 = RB#0







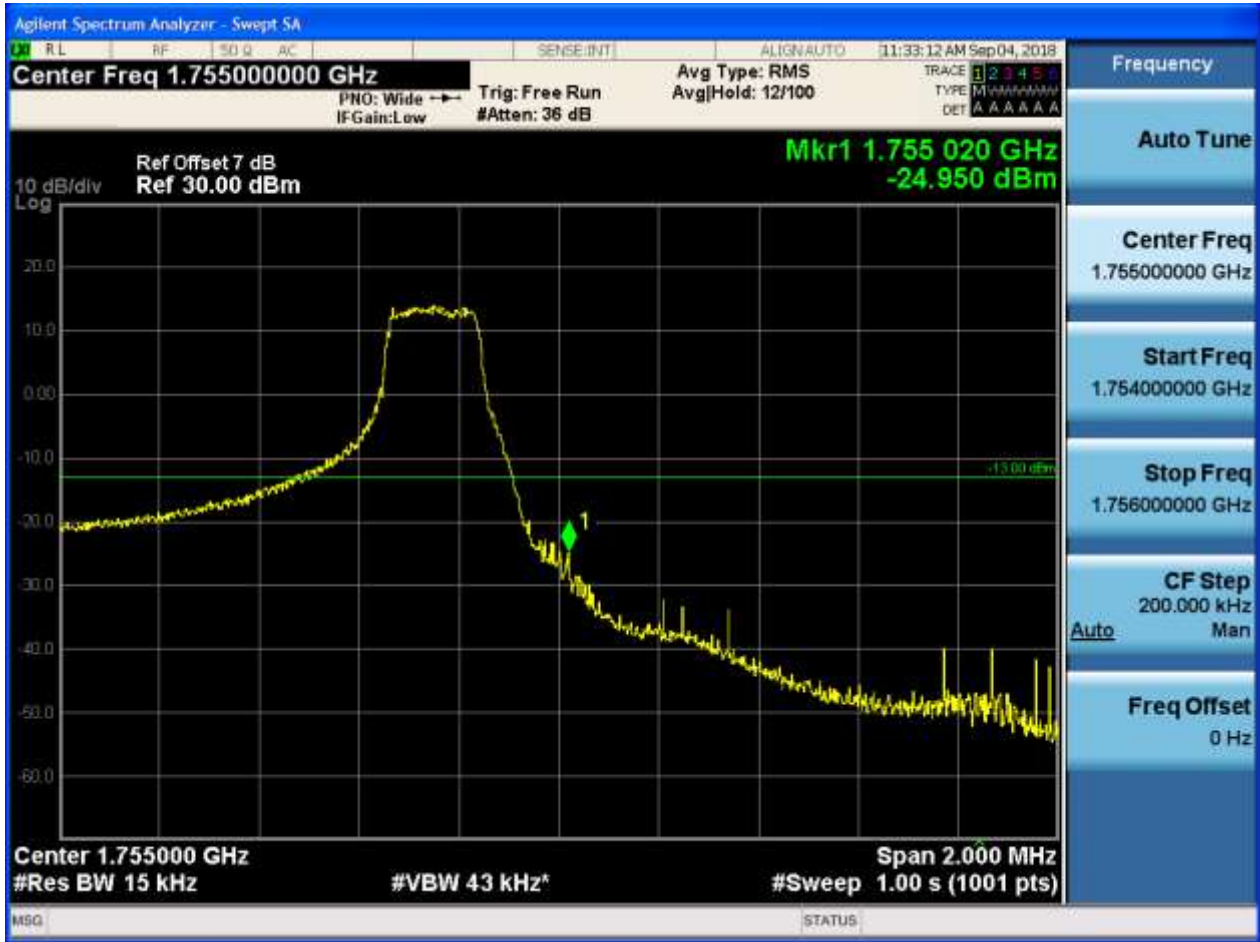
5.1.1.1.1.2 Test Channel = HCH

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





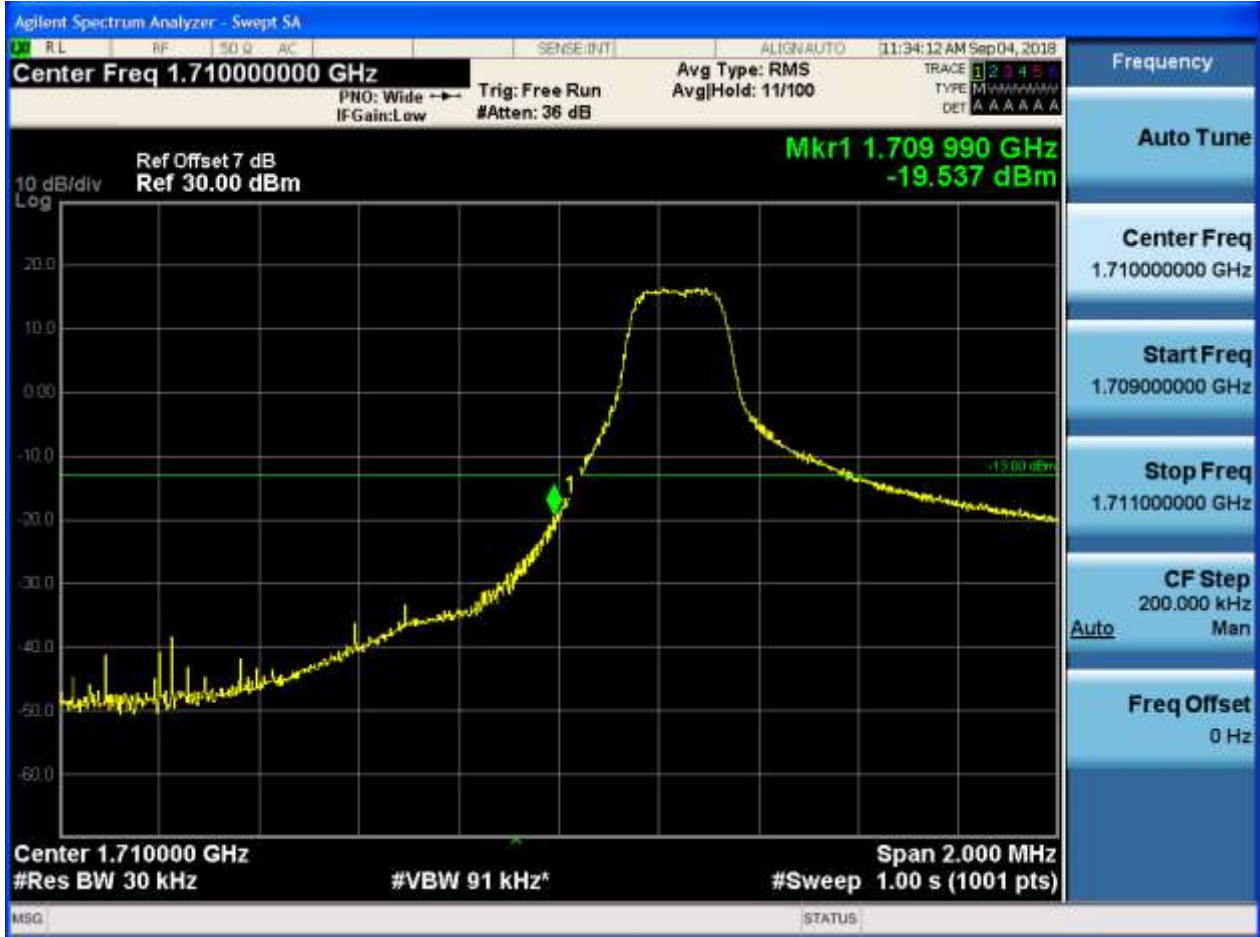
5.1.1.1.2.4 Test RB = RB#0



## 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 = RB#4





5.1.1.1.2.2.4 Test RB = RB15#0



## 5.1.1.1.3 Test Bandwidth = 5

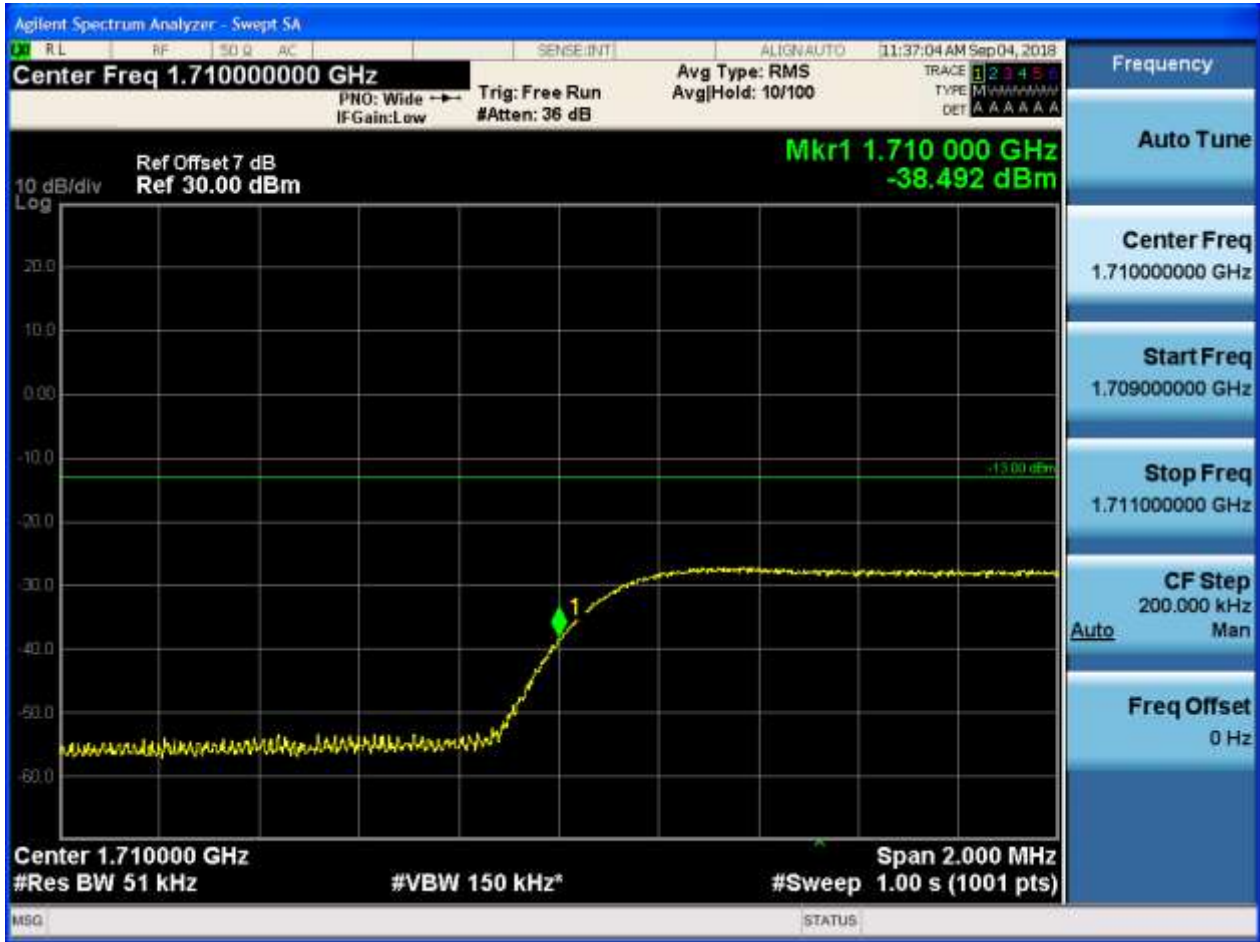
## 5.1.1.1.3.1 Test Channel = LCH

## 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



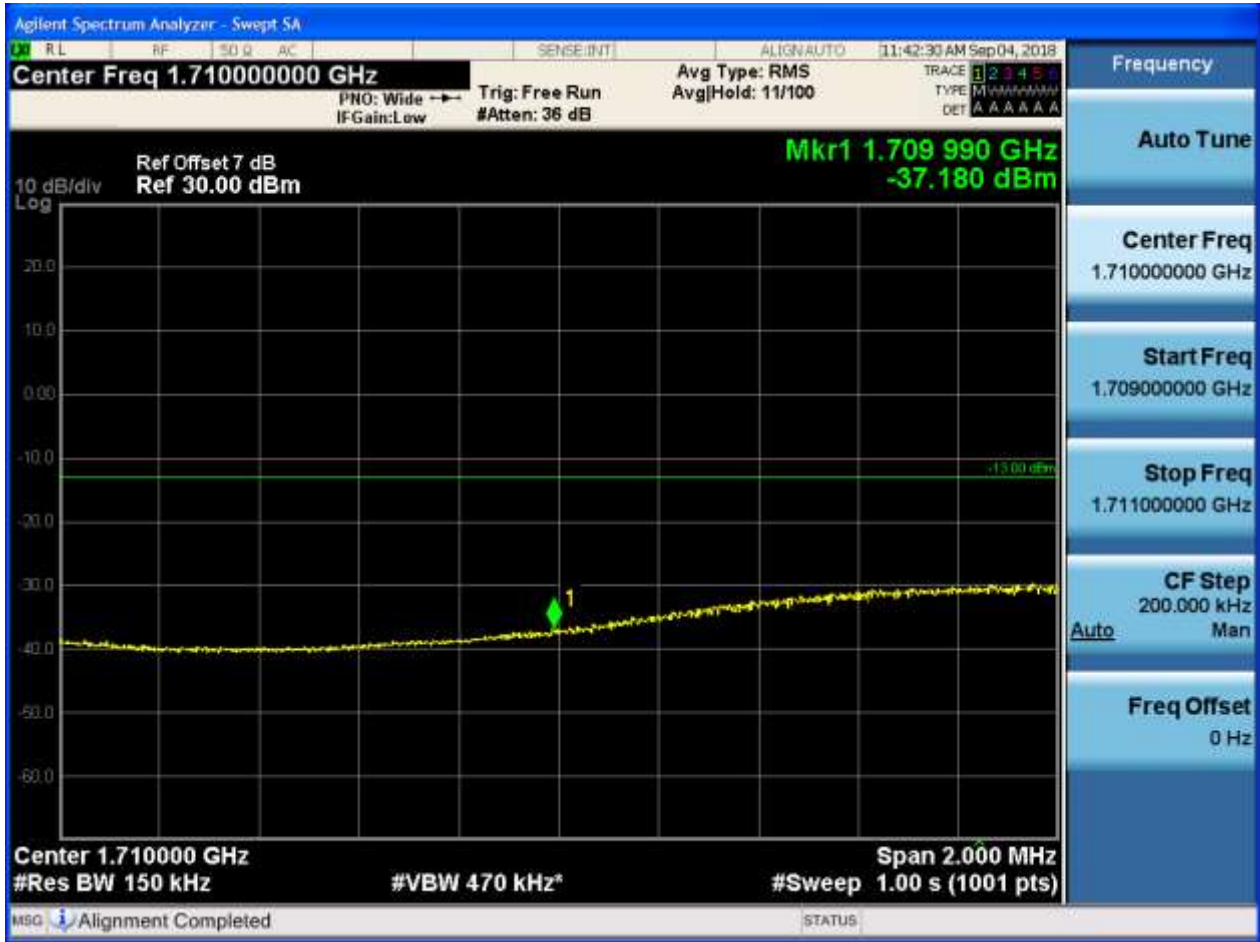


5.1.1.1.5.1.2 Test RB = RB1#74





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



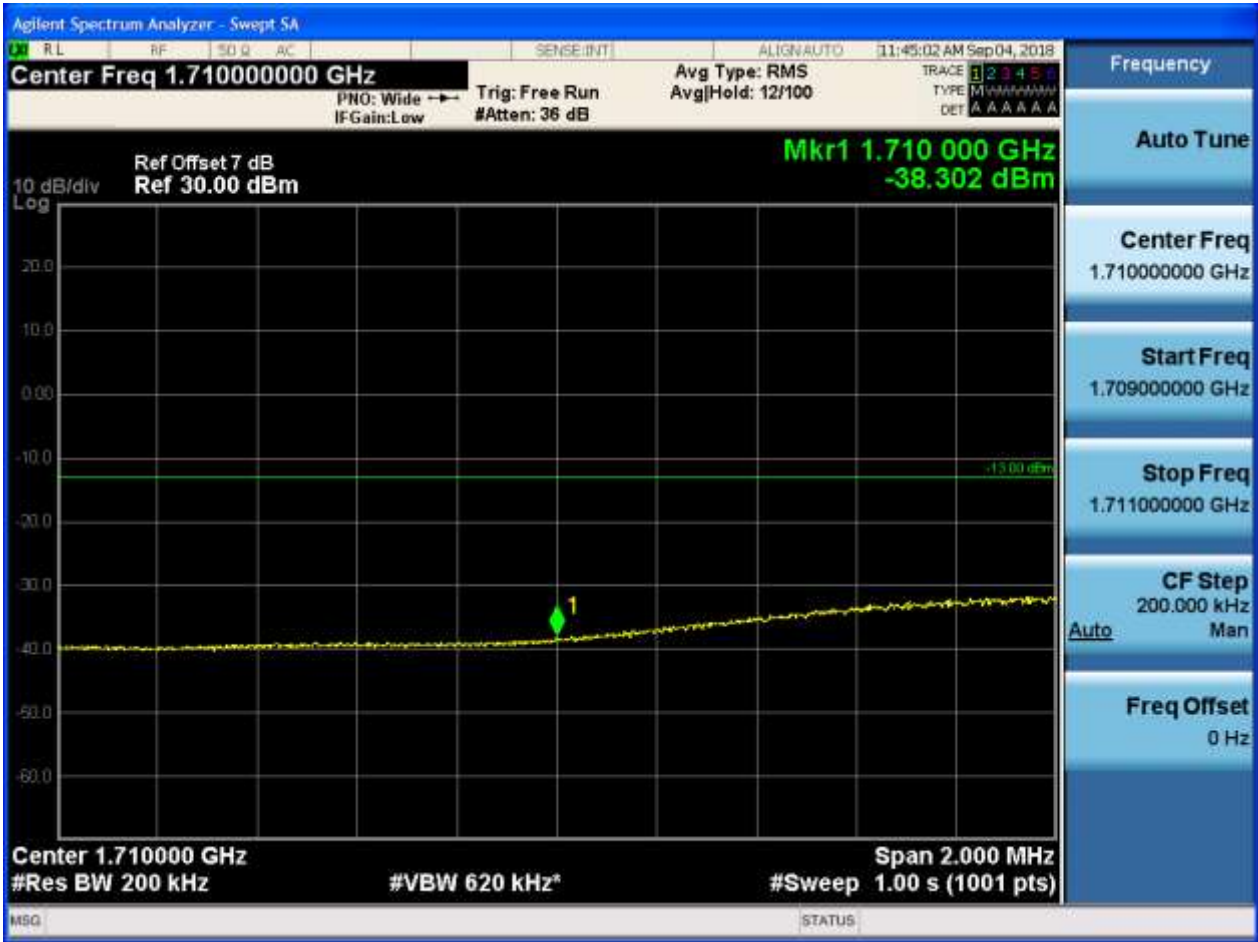


5.1.1.1.6.1.2 Test RB = RB1#99





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



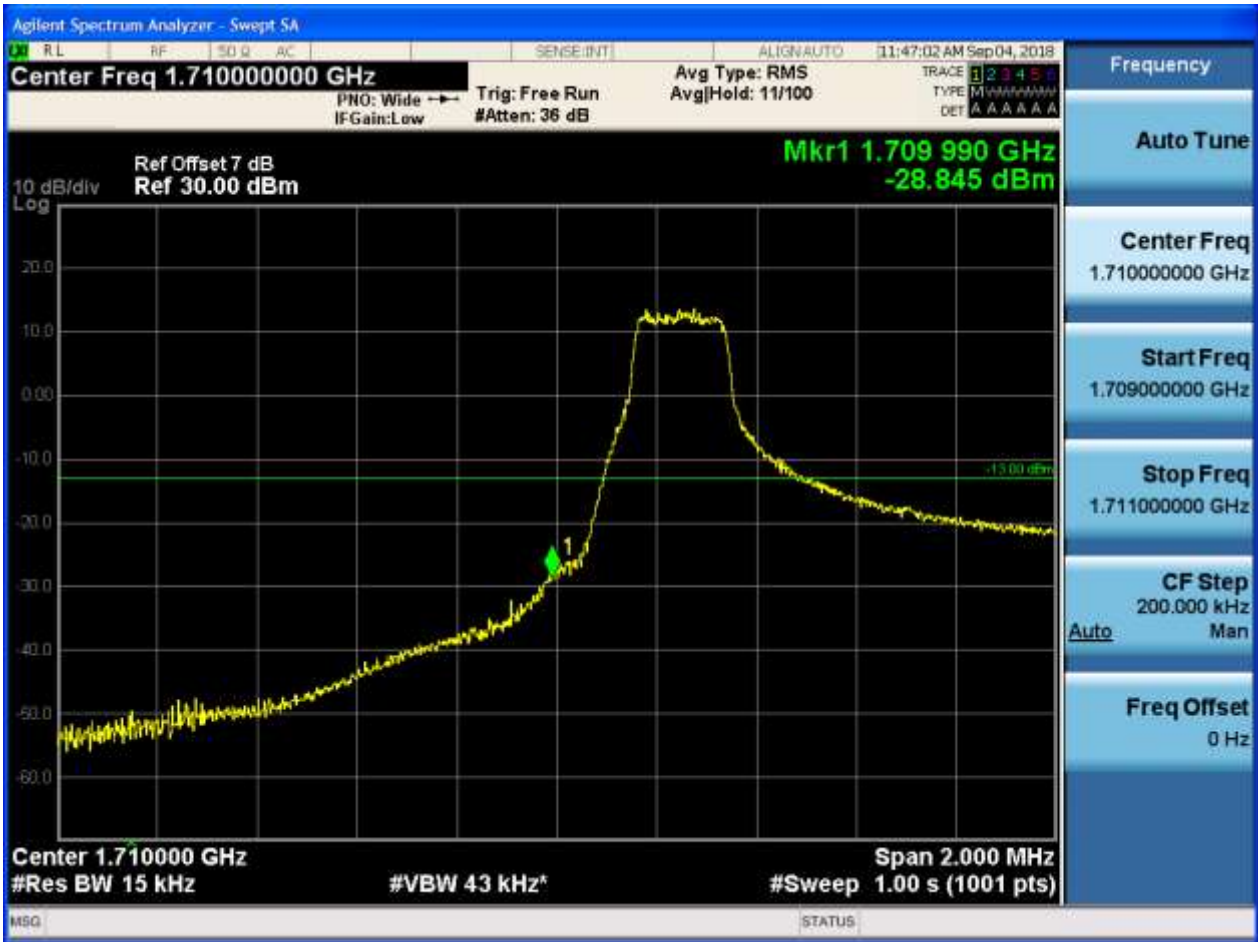


5.1.1.2 Test Mode = LTE/TM2

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 = RB#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





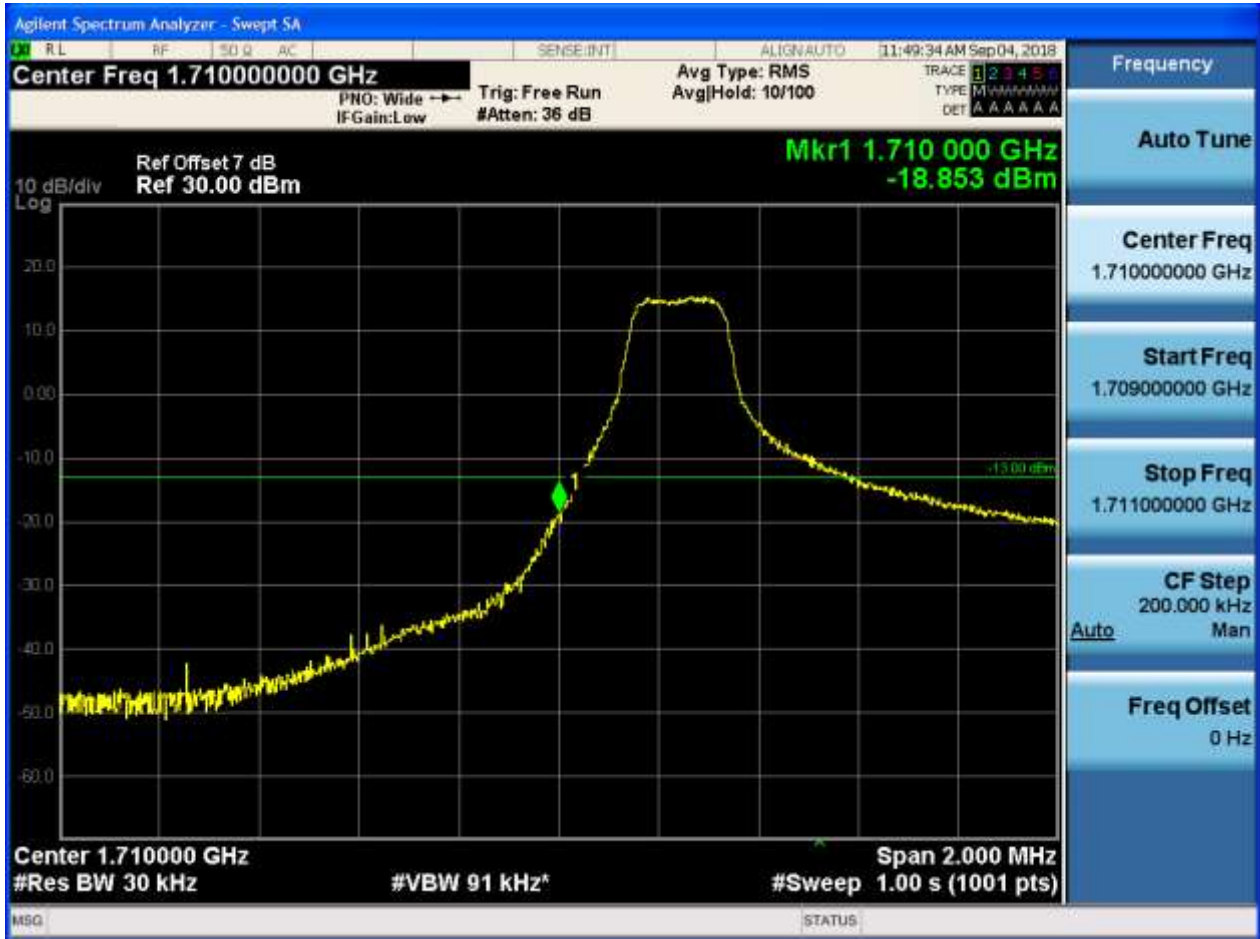
5.1.1.2.1.2.4 Test RB = RB6#0



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



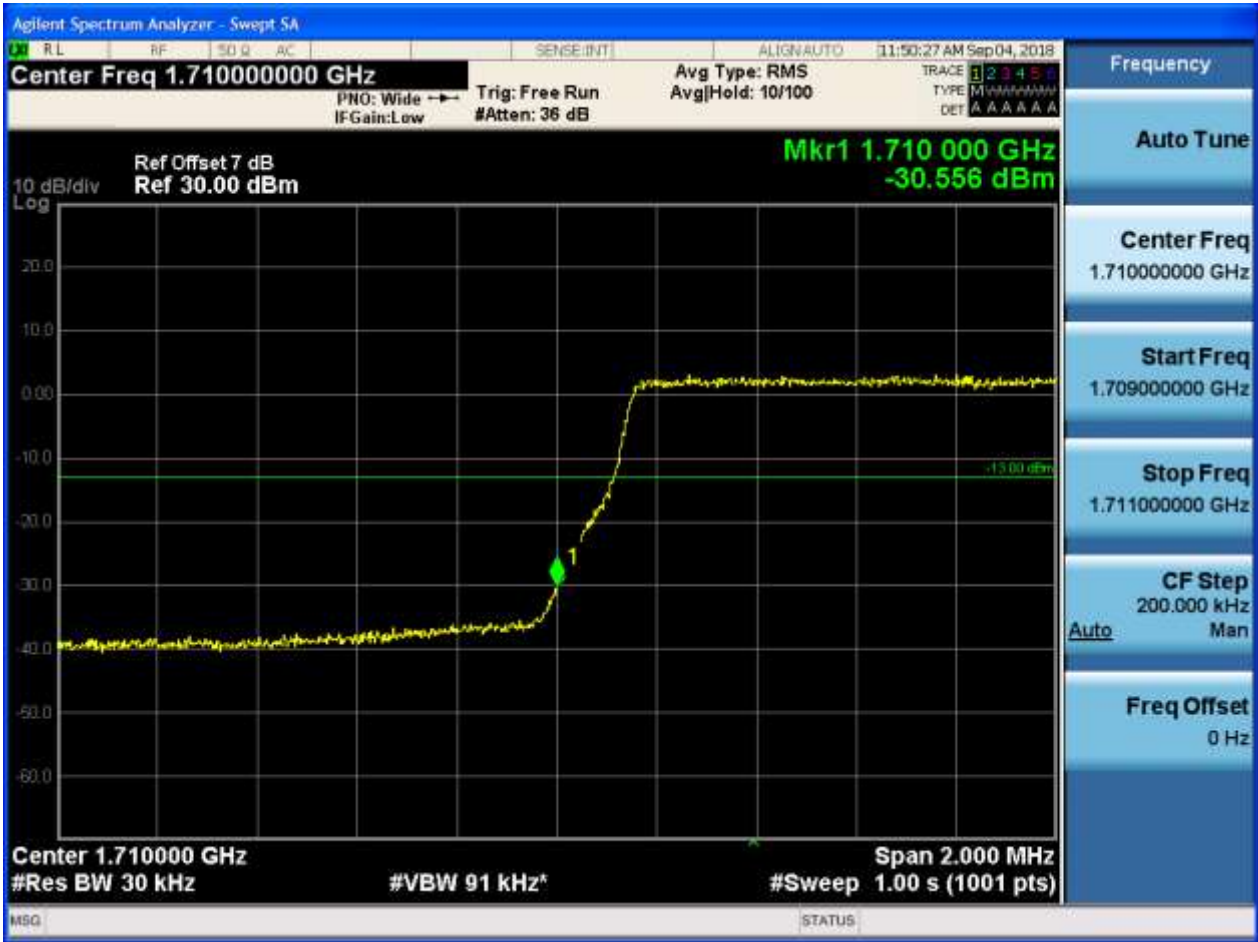


5.1.1.2.2.1.3 Test RB = RB#4





5.1.1.2.2.1.4 Test RB = RB15#0

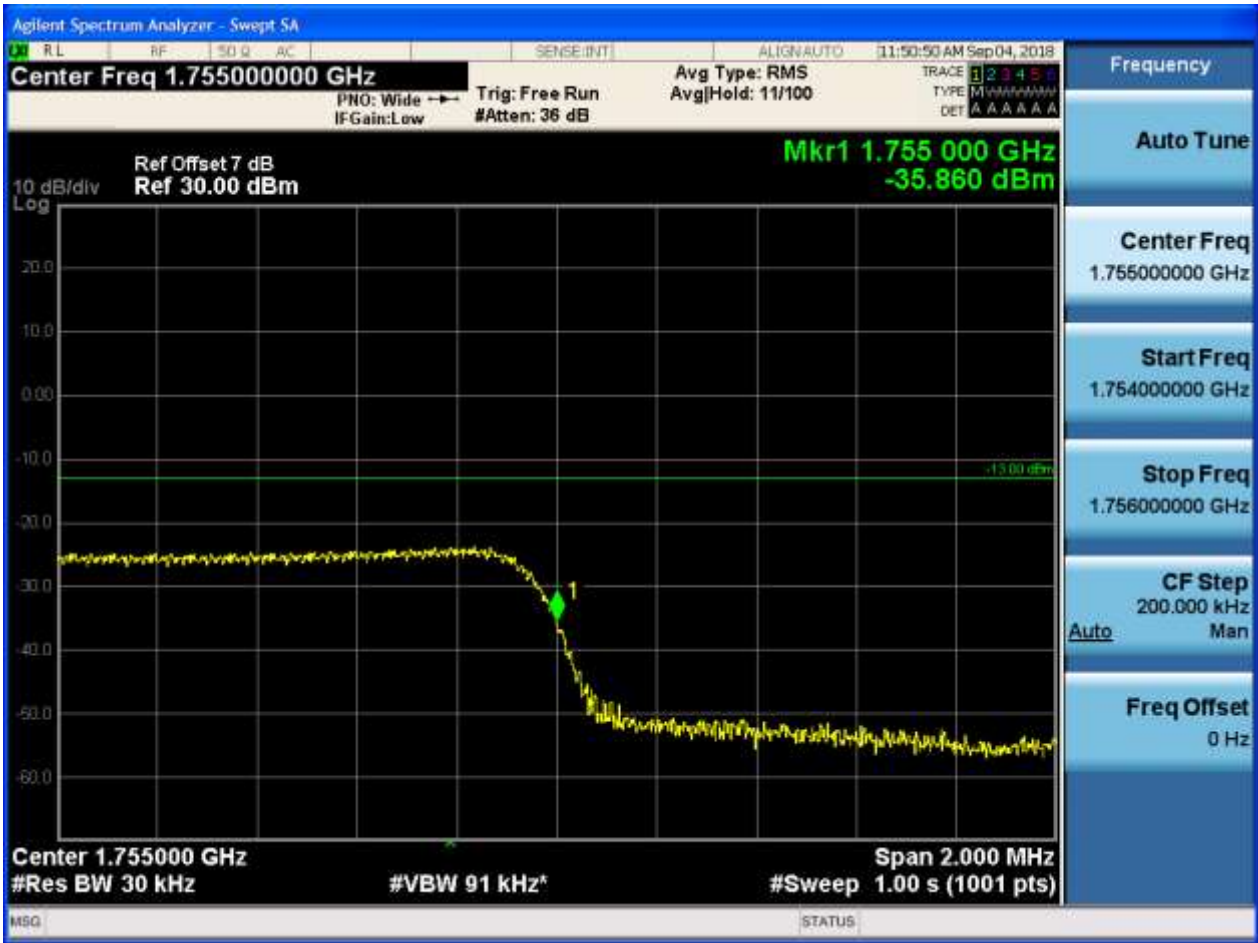






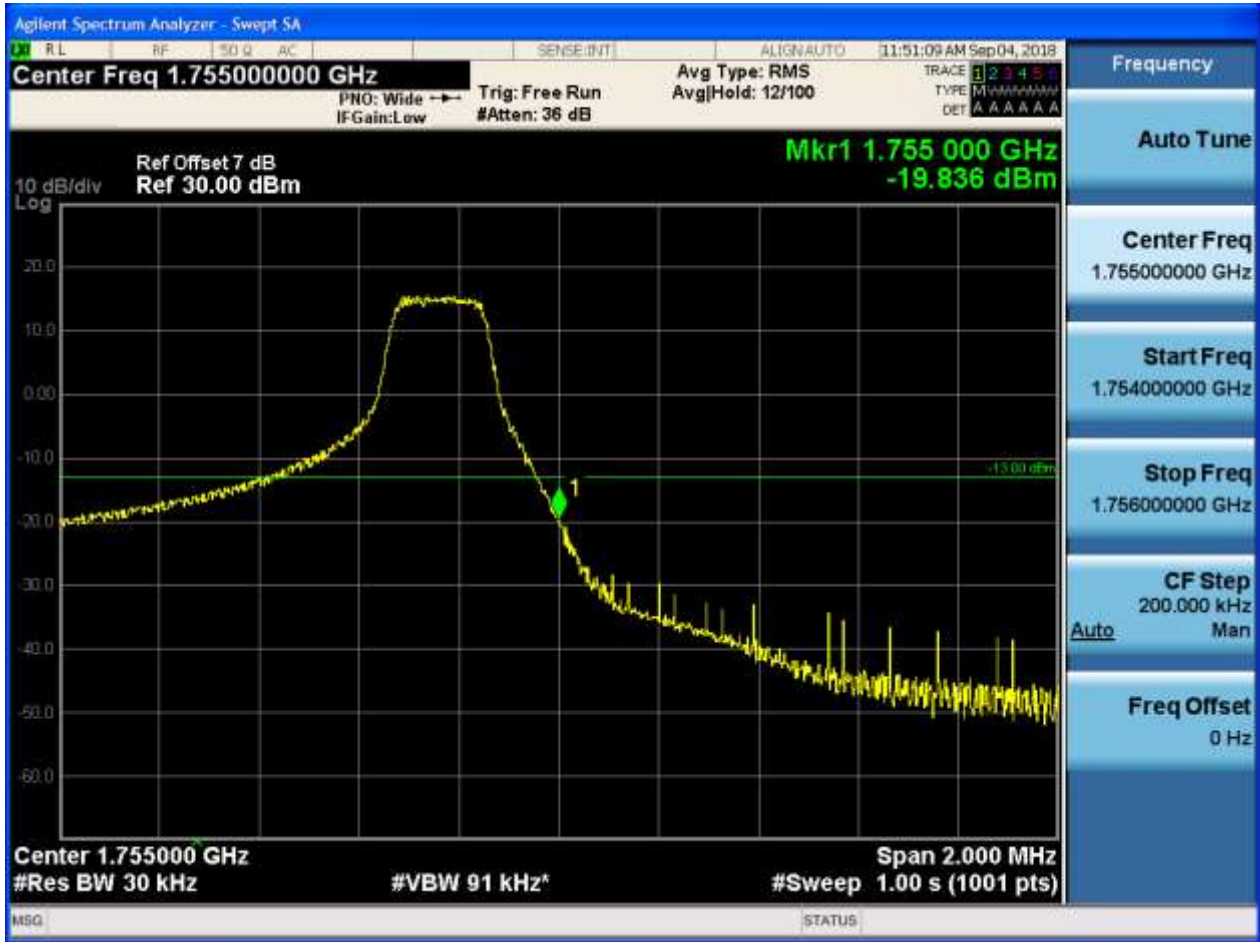
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0





5.1.1.2.2.2 Test RB = RB1#14







5.1.1.2.2.2.3 Test RB = RB#4





5.1.1.2.2.4 Test RB = RB15#0

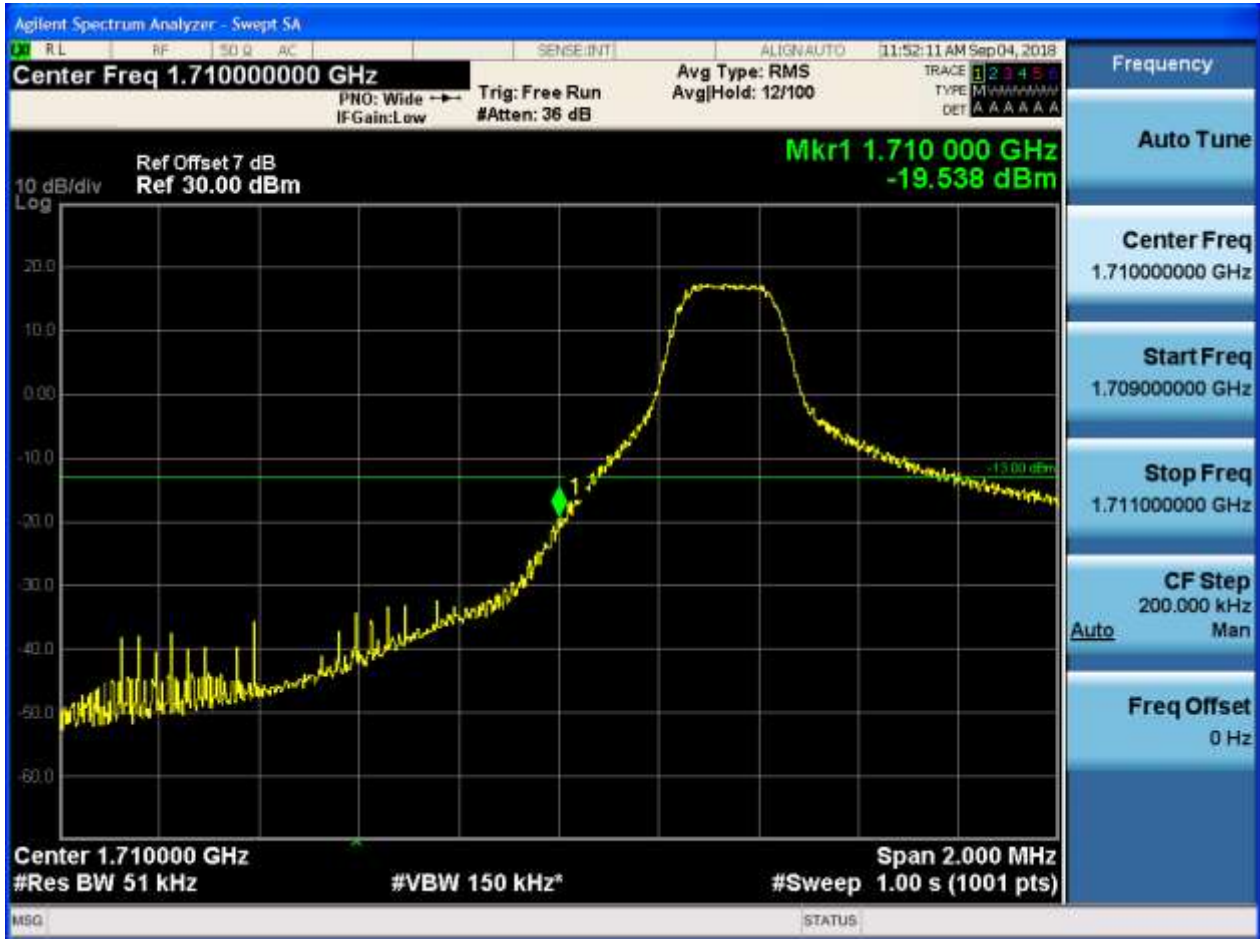




5.1.1.2.3 Test Bandwidth = 5

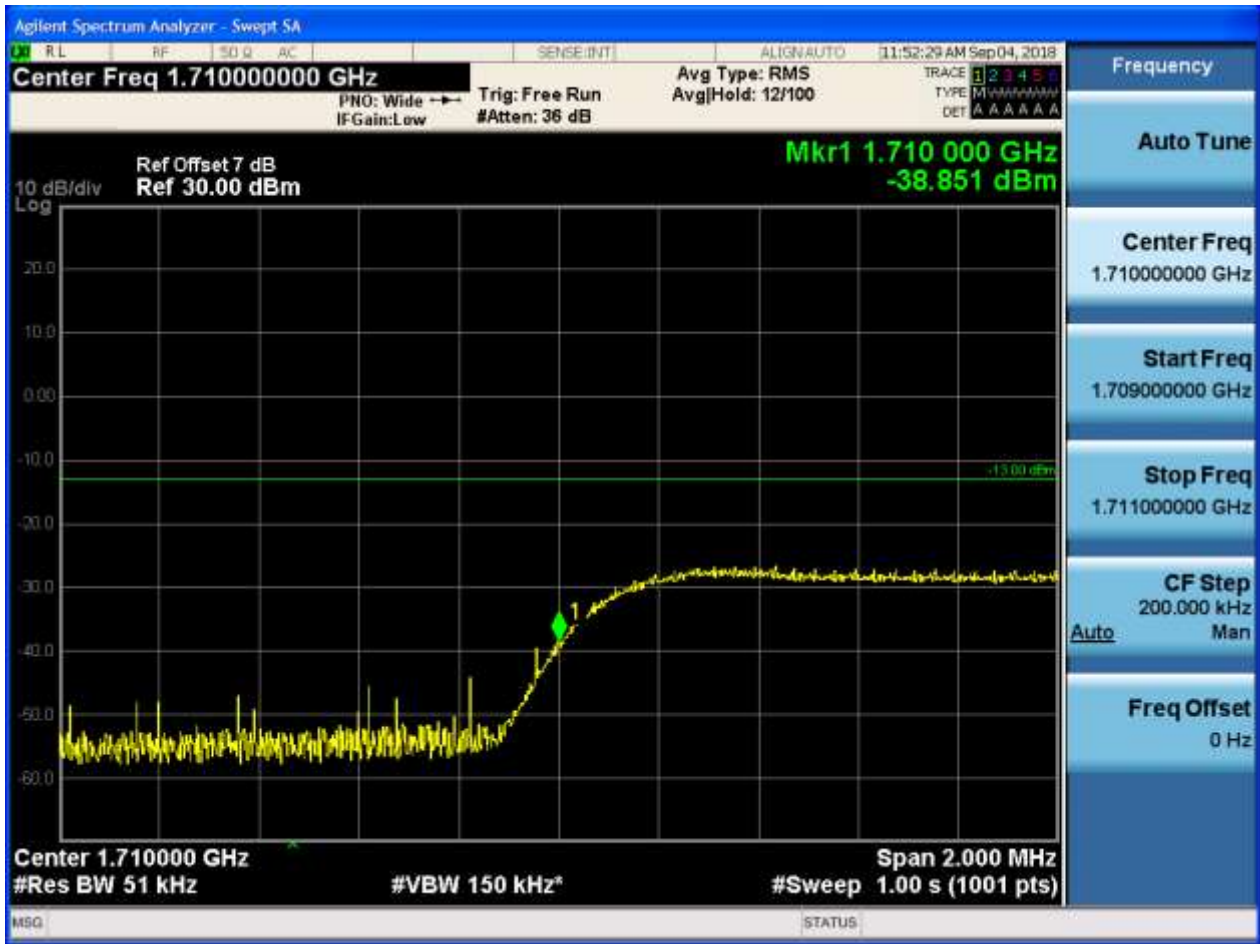
5.1.1.2.3.1 Test Channel = LCH

5.1.1.2.3.1.1 Test RB = RB1#0



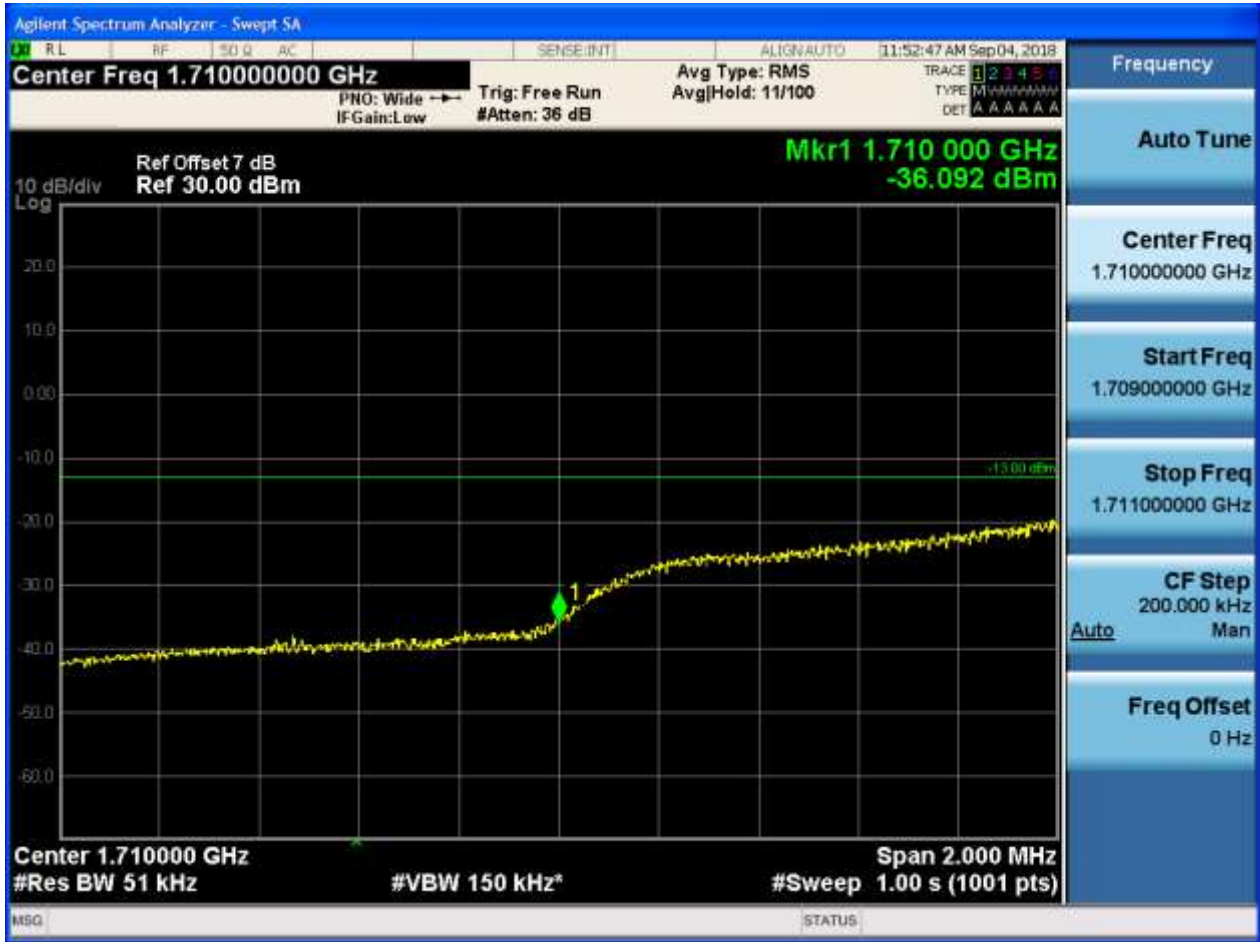


5.1.1.2.3.1.2 Test RB = RB1#24





5.1.1.2.3.1.3 Test RB = RB12#6





5.1.1.2.3.1.4 Test RB = RB25#0







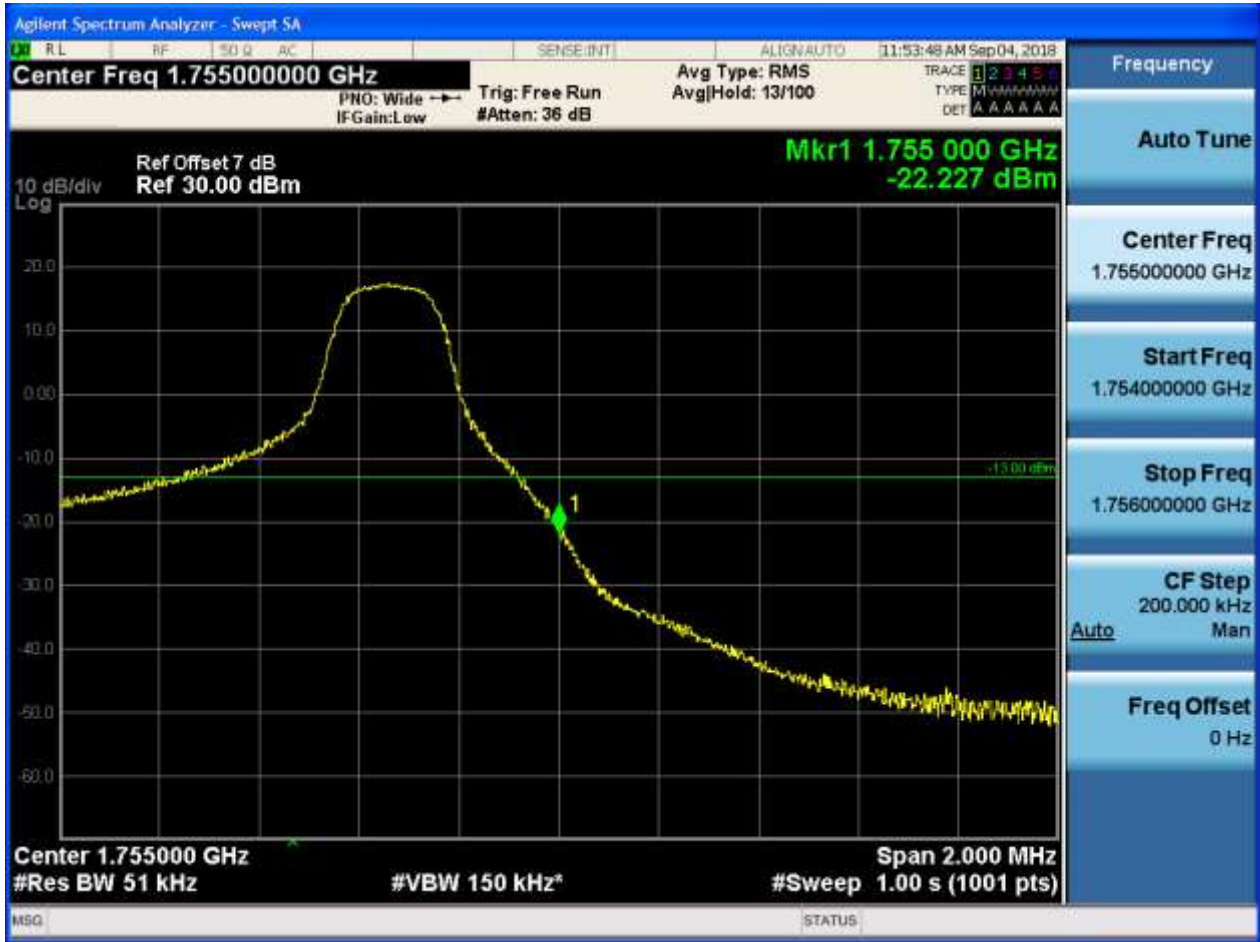
5.1.1.2.3.2 Test Channel = HCH

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





5.1.1.2.4.2 Test Channel = HCH

5.1.1.2.4.2.1 Test RB = RB1#0

