



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/TM 1	1.4	LCH	RB1#0	22.99	20.69	30	PASS
				RB1#3	22.53	20.23	30	PASS
				RB1#5	23.08	20.78	30	PASS
				RB3#0	22.68	20.38	30	PASS
				RB3#2	22.64	20.34	30	PASS
				RB3#3	22.84	20.54	30	PASS
				RB6#0	21.85	19.55	30	PASS
			MCH	RB1#0	23.14	20.84	30	PASS
				RB1#3	22.88	20.58	30	PASS
				RB1#5	23.17	20.87	30	PASS
				RB3#0	23.13	20.83	30	PASS
				RB3#2	23.09	20.79	30	PASS
				RB3#3	22.92	20.62	30	PASS
				RB6#0	22.06	19.76	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	23.10	20.80	30	PASS
				RB1#3	22.48	20.18	30	PASS
				RB1#5	23.20	20.90	30	PASS
				RB3#0	23.12	20.82	30	PASS
				RB3#2	22.87	20.57	30	PASS
				RB3#3	23.09	20.79	30	PASS
				RB6#0	22.21	19.91	30	PASS
		3	LCH	RB1#0	22.99	20.69	30	PASS
				RB1#7	22.42	20.12	30	PASS
				RB1#14	22.89	20.59	30	PASS
				RB8#0	21.88	19.58	30	PASS
				RB8#4	21.96	19.66	30	PASS
				RB8#7	22.07	19.77	30	PASS
				RB15#0	21.99	19.69	30	PASS
		MCH	RB1#0	23.12	20.82	30	PASS	
			RB1#7	22.73	20.43	30	PASS	
			RB1#14	23.14	20.84	30	PASS	



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#0	22.05	19.75	30	PASS
				RB8#4	22.01	19.71	30	PASS
				RB8#7	22.00	19.70	30	PASS
				RB15#0	22.10	19.80	30	PASS
			HCH	RB1#0	23.16	20.86	30	PASS
				RB1#7	22.78	20.48	30	PASS
				RB1#14	23.20	20.90	30	PASS
				RB8#0	22.11	19.81	30	PASS
			RB8#4	22.13	19.83	30	PASS	
			RB8#7	22.13	19.83	30	PASS	
			RB15#0	22.15	19.85	30	PASS	
			5	LCH	RB1#0	23.05	20.75	30
		RB1#13			23.05	20.75	30	PASS
		RB1#24			23.01	20.71	30	PASS
		RB12#0			22.00	19.70	30	PASS
		RB12#6			21.90	19.60	30	PASS
		RB12#1			22.04	19.74	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				3				
				RB25#0	21.96	19.66	30	PASS
			MCH	RB1#0	23.06	20.76	30	PASS
				RB1#13	23.16	20.86	30	PASS
				RB1#24	23.17	20.87	30	PASS
				RB12#0	22.15	19.85	30	PASS
				RB12#6	22.03	19.73	30	PASS
				RB12#13	22.17	19.87	30	PASS
				RB25#0	22.08	19.78	30	PASS
				HCH	RB1#0	23.10	20.80	30
			RB1#13		23.25	20.95	30	PASS
			RB1#24		23.28	20.98	30	PASS
			RB12#0		22.16	19.86	30	PASS
			RB12#6		22.19	19.89	30	PASS
			RB12#13		22.22	19.92	30	PASS
			RB25#0		22.18	19.88	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
		10	LCH	RB1#0	22.87	20.57	30	PASS
				RB1#25	22.67	20.37	30	PASS
				RB1#49	22.95	20.65	30	PASS
				RB25#0	21.95	19.65	30	PASS
				RB25#13	21.96	19.66	30	PASS
				RB25#25	21.99	19.69	30	PASS
				RB50#0	22.02	19.72	30	PASS
			MCH	RB1#0	23.13	20.83	30	PASS
				RB1#25	22.92	20.62	30	PASS
				RB1#49	23.15	20.85	30	PASS
				RB25#0	22.06	19.76	30	PASS
				RB25#13	22.09	19.79	30	PASS
				RB25#25	22.06	19.76	30	PASS
				RB50#0	22.08	19.78	30	PASS
HCH	RB1#0	23.01	20.71	30	PASS			



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#25	22.76	20.46	30	PASS
				RB1#49	23.16	20.86	30	PASS
				RB25#0	22.07	19.77	30	PASS
				RB25#13	22.11	19.81	30	PASS
				RB25#25	22.10	19.80	30	PASS
				RB50#0	22.02	19.72	30	PASS
		15	LCH	RB1#0	22.79	20.49	30	PASS
				RB1#38	23.01	20.71	30	PASS
				RB1#74	22.83	20.53	30	PASS
				RB38#0	21.96	19.66	30	PASS
				RB38#19	22.03	19.73	30	PASS
				RB38#39	22.01	19.71	30	PASS
				RB75#0	21.92	19.62	30	PASS
				MCH	RB1#0	22.91	20.61	30
RB1#38	23.15	20.85	30		PASS			



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#74	23.01	20.71	30	PASS
				RB38#0	22.05	19.75	30	PASS
				RB38#19	22.13	19.83	30	PASS
				RB38#39	22.09	19.79	30	PASS
				RB75#0	22.04	19.74	30	PASS
			HCH	RB1#0	23.01	20.71	30	PASS
				RB1#38	23.21	20.91	30	PASS
				RB1#74	23.07	20.77	30	PASS
				RB38#0	22.05	19.75	30	PASS
				RB38#19	22.05	19.75	30	PASS
		RB38#39		22.02	19.72	30	PASS	
		RB75#0		22.03	19.73	30	PASS	
		20	LCH	RB1#0	22.99	20.69	30	PASS
				RB1#50	22.73	20.43	30	PASS
				RB1#99	23.05	20.75	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.94	19.64	30	PASS
				RB50#25	21.97	19.67	30	PASS
				RB50#50	22.02	19.72	30	PASS
				RB100#0	21.93	19.63	30	PASS
			MCH	RB1#0	22.97	20.67	30	PASS
				RB1#50	22.83	20.53	30	PASS
				RB1#99	23.09	20.79	30	PASS
				RB50#0	21.99	19.69	30	PASS
				RB50#25	22.05	19.75	30	PASS
				RB50#50	22.02	19.72	30	PASS
				RB100#0	22.00	19.70	30	PASS
			HCH	RB1#0	23.01	20.71	30	PASS
				RB1#50	22.85	20.55	30	PASS
				RB1#99	23.15	20.85	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	22.09	19.79	30	PASS
				RB50#25	22.05	19.75	30	PASS
				RB50#50	22.13	19.83	30	PASS
				RB100#0	22.05	19.75	30	PASS
	LTE/TM2	1.4	LCH	RB1#0	22.20	19.90	30	PASS
				RB1#3	22.30	20.00	30	PASS
				RB1#5	22.38	20.08	30	PASS
				RB3#0	22.06	19.76	30	PASS
				RB3#2	21.88	19.58	30	PASS
				RB3#3	22.03	19.73	30	PASS
				RB6#0	20.99	18.69	30	PASS
			MCH	RB1#0	22.44	20.14	30	PASS
				RB1#3	22.13	19.83	30	PASS
				RB1#5	22.39	20.09	30	PASS
				RB3#0	22.20	19.90	30	PASS
				RB3#2	21.87	19.57	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB3#3	22.07	19.77	30	PASS
				RB6#0	20.87	18.57	30	PASS
			HCH	RB1#0	22.42	20.12	30	PASS
				RB1#3	22.17	19.87	30	PASS
				RB1#5	22.29	19.99	30	PASS
				RB3#0	22.21	19.91	30	PASS
				RB3#2	22.09	19.79	30	PASS
				RB3#3	22.13	19.83	30	PASS
				RB6#0	21.09	18.79	30	PASS
		3	LCH	RB1#0	22.29	19.99	30	PASS
				RB1#7	21.88	19.58	30	PASS
				RB1#14	22.59	20.29	30	PASS
				RB8#0	20.99	18.69	30	PASS
				RB8#4	20.99	18.69	30	PASS
				RB8#7	20.95	18.65	30	PASS
RB15#0	21.02			18.72	30	PASS		
	MCH	RB1#0	22.22	19.92	30	PASS		



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict	
				RB1#7	21.87	19.57	30	PASS	
				RB1#14	22.00	19.70	30	PASS	
				RB8#0	21.12	18.82	30	PASS	
				RB8#4	21.10	18.80	30	PASS	
				RB8#7	20.96	18.66	30	PASS	
				RB15#0	20.96	18.66	30	PASS	
				HCH	RB1#0	22.44	20.14	30	PASS
				RB1#7	22.29	19.99	30	PASS	
				RB1#14	22.58	20.28	30	PASS	
				RB8#0	21.07	18.77	30	PASS	
				RB8#4	21.12	18.82	30	PASS	
				RB8#7	21.09	18.79	30	PASS	
		RB15#0	21.08	18.78	30	PASS			
		5	LCH	RB1#0	22.21	19.91	30	PASS	
		RB1#13	22.30	20.00	30	PASS			
		RB1#24	22.26	19.96	30	PASS			
RB12#0	21.00	18.70	30	PASS					



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#6	21.03	18.73	30	PASS
				RB12#13	21.15	18.85	30	PASS
				RB25#0	20.92	18.62	30	PASS
			MCH	RB1#0	22.32	20.02	30	PASS
				RB1#13	22.46	20.16	30	PASS
				RB1#24	22.49	20.19	30	PASS
				RB12#0	21.00	18.70	30	PASS
				RB12#6	20.99	18.69	30	PASS
				RB12#13	21.09	18.79	30	PASS
				RB25#0	21.01	18.71	30	PASS
			HCH	RB1#0	22.42	20.12	30	PASS
				RB1#13	22.47	20.17	30	PASS
				RB1#24	22.50	20.20	30	PASS
				RB12#0	21.13	18.83	30	PASS
				RB12#6	21.03	18.73	30	PASS
				RB12#13	21.32	19.02	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#0	21.14	18.84	30	PASS
		10	LCH	RB1#0	22.25	19.95	30	PASS
				RB1#25	21.99	19.69	30	PASS
				RB1#49	22.28	19.98	30	PASS
				RB25#0	20.89	18.59	30	PASS
				RB25#13	20.98	18.68	30	PASS
				RB25#25	21.02	18.72	30	PASS
				RB50#0	20.95	18.65	30	PASS
				MCH	RB1#0	21.91	19.61	30
			RB1#25		21.60	19.30	30	PASS
			RB1#49		22.02	19.72	30	PASS
			RB25#0		21.05	18.75	30	PASS
			RB25#13		21.02	18.72	30	PASS
			RB25#25		21.04	18.74	30	PASS
			RB50#0		21.02	18.72	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.32	20.02	30	PASS
				RB1#25	22.15	19.85	30	PASS
				RB1#49	22.48	20.18	30	PASS
				RB25#0	21.04	18.74	30	PASS
				RB25#13	21.00	18.70	30	PASS
				RB25#25	21.11	18.81	30	PASS
				RB50#0	21.01	18.71	30	PASS
		15	LCH	RB1#0	22.23	19.93	30	PASS
				RB1#38	22.36	20.06	30	PASS
				RB1#74	22.22	19.92	30	PASS
				RB38#0	20.94	18.64	30	PASS
				RB38#19	20.93	18.63	30	PASS
				RB38#39	21.00	18.70	30	PASS
				RB75#0	20.89	18.59	30	PASS
	MCH		RB1#0	22.02	19.72	30	PASS	



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#38	22.32	20.02	30	PASS
				RB1#74	22.14	19.84	30	PASS
				RB38#0	21.05	18.75	30	PASS
				RB38#19	21.06	18.76	30	PASS
				RB38#39	21.06	18.76	30	PASS
				RB75#0	21.01	18.71	30	PASS
			HCH	RB1#0	22.33	20.03	30	PASS
				RB1#38	22.41	20.11	30	PASS
				RB1#74	22.46	20.16	30	PASS
				RB38#0	21.00	18.70	30	PASS
				RB38#19	21.01	18.71	30	PASS
				RB38#39	21.00	18.70	30	PASS
		20	LCH	RB1#0	22.13	19.83	30	PASS
				RB1#50	21.81	19.51	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#99	22.20	19.90	30	PASS
				RB50#0	20.88	18.58	30	PASS
				RB50#25	20.93	18.63	30	PASS
				RB50#50	20.99	18.69	30	PASS
				RB100#0	20.89	18.59	30	PASS
			MCH	RB1#0	22.26	19.96	30	PASS
				RB1#50	22.21	19.91	30	PASS
				RB1#99	22.44	20.14	30	PASS
				RB50#0	20.96	18.66	30	PASS
				RB50#25	21.03	18.73	30	PASS
				RB50#50	20.98	18.68	30	PASS
				RB100#0	20.99	18.69	30	PASS
			HCH	RB1#0	22.29	19.99	30	PASS
				RB1#50	21.85	19.55	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#99	22.41	20.11	30	PASS
				RB50#0	20.93	18.63	30	PASS
				RB50#25	21.00	18.70	30	PASS
				RB50#50	20.96	18.66	30	PASS
				RB100#0	21.02	18.72	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	4.01	13	PASS
				RB1#3	4.36	13	PASS
				RB1#5	4.30	13	PASS
				RB3#0	4.73	13	PASS
				RB3#2	4.61	13	PASS
				RB3#3	4.66	13	PASS
				RB6#0	5.57	13	PASS
			MCH	RB1#0	4.29	13	PASS
				RB1#3	4.41	13	PASS
				RB1#5	4.41	13	PASS
				RB3#0	4.42	13	PASS
				RB3#2	4.56	13	PASS
				RB3#3	4.49	13	PASS
				RB6#0	5.74	13	PASS
		HCH	RB1#0	4.40	13	PASS	
			RB1#3	4.48	13	PASS	
			RB1#5	4.55	13	PASS	
			RB3#0	4.81	13	PASS	
			RB3#2	4.48	13	PASS	
			RB3#3	4.50	13	PASS	
			RB6#0	5.65	13	PASS	
		3	LCH	RB1#0	4.30	13	PASS
				RB1#7	4.56	13	PASS
				RB1#14	4.57	13	PASS
				RB8#0	5.46	13	PASS
				RB8#4	5.47	13	PASS
				RB8#7	5.51	13	PASS
				RB15#0	5.71	13	PASS
MCH	RB1#0		4.27	13	PASS		
	RB1#7		4.26	13	PASS		
	RB1#14		4.41	13	PASS		
	RB8#0		5.36	13	PASS		
	RB8#4		5.36	13	PASS		
	RB8#7		5.46	13	PASS		
	RB15#0		5.71	13	PASS		



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		5	HCH	RB1#0	4.26	13	PASS
				RB1#7	4.30	13	PASS
				RB1#14	4.18	13	PASS
				RB8#0	5.51	13	PASS
				RB8#4	5.38	13	PASS
				RB8#7	5.49	13	PASS
				RB15#0	5.85	13	PASS
			LCH	RB1#0	4.29	13	PASS
				RB1#13	4.32	13	PASS
				RB1#24	4.29	13	PASS
				RB12#0	5.67	13	PASS
				RB12#6	5.67	13	PASS
				RB12#13	5.61	13	PASS
				RB25#0	5.95	13	PASS
		MCH	RB1#0	4.04	13	PASS	
			RB1#13	4.18	13	PASS	
			RB1#24	4.31	13	PASS	
			RB12#0	5.64	13	PASS	
			RB12#6	5.56	13	PASS	
			RB12#13	5.53	13	PASS	
			RB25#0	5.94	13	PASS	
		HCH	RB1#0	4.41	13	PASS	
			RB1#13	4.36	13	PASS	
			RB1#24	4.22	13	PASS	
			RB12#0	5.61	13	PASS	
			RB12#6	5.57	13	PASS	
			RB12#13	5.60	13	PASS	
			RB25#0	5.73	13	PASS	
		10	LCH	RB1#0	4.36	13	PASS
				RB1#25	4.61	13	PASS
RB1#49	3.96			13	PASS		
RB25#0	5.70			13	PASS		
RB25#13	5.54			13	PASS		
RB25#25	5.48			13	PASS		
RB50#0	5.87			13	PASS		
MCH	RB1#0		3.84	13	PASS		
	RB1#25		4.32	13	PASS		
	RB1#49		4.46	13	PASS		
	RB25#0		5.47	13	PASS		



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
				RB25#13	5.56	13	PASS	
				RB25#25	5.78	13	PASS	
				RB50#0	6.01	13	PASS	
			HCH	RB1#0	4.78	13	PASS	
				RB1#25	4.85	13	PASS	
				RB1#49	4.51	13	PASS	
				RB25#0	5.80	13	PASS	
				RB25#13	5.68	13	PASS	
				RB25#25	5.68	13	PASS	
				RB50#0	6.15	13	PASS	
				LCH	RB1#0	4.37	13	PASS
					RB1#38	3.96	13	PASS
		RB1#74	3.94		13	PASS		
		RB38#0	5.71		13	PASS		
		RB38#19	5.36		13	PASS		
		RB38#39	5.27		13	PASS		
		RB75#0	5.94		13	PASS		
		MCH	RB1#0	4.11	13	PASS		
			RB1#38	4.22	13	PASS		
			RB1#74	4.66	13	PASS		
			RB38#0	5.37	13	PASS		
			RB38#19	5.57	13	PASS		
			RB38#39	5.78	13	PASS		
			RB75#0	6.12	13	PASS		
		HCH	RB1#0	4.69	13	PASS		
			RB1#38	4.42	13	PASS		
			RB1#74	4.39	13	PASS		
			RB38#0	6.00	13	PASS		
			RB38#19	5.83	13	PASS		
			RB38#39	5.86	13	PASS		
			RB75#0	6.45	13	PASS		
		20	LCH	RB1#0	4.30	13	PASS	
				RB1#50	3.96	13	PASS	
RB1#99	4.06			13	PASS			
RB50#0	5.66			13	PASS			
RB50#25	5.26			13	PASS			
RB50#50	5.36			13	PASS			
RB100#0	5.95			13	PASS			
MCH	RB1#0		3.97	13	PASS			



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#50	4.40	13	PASS
				RB1#99	4.62	13	PASS
				RB50#0	5.45	13	PASS
				RB50#25	5.57	13	PASS
				RB50#50	5.94	13	PASS
				RB100#0	6.01	13	PASS
			HCH	RB1#0	4.52	13	PASS
				RB1#50	4.63	13	PASS
				RB1#99	4.42	13	PASS
				RB50#0	5.95	13	PASS
				RB50#25	5.89	13	PASS
				RB50#50	5.91	13	PASS
			LCH	RB100#0	6.21	13	PASS
				RB1#0	5.10	13	PASS
	RB1#3	5.23		13	PASS		
	RB1#5	5.21		13	PASS		
	RB3#0	5.38		13	PASS		
	RB3#2	5.50		13	PASS		
	RB3#3	5.49		13	PASS		
	RB6#0	6.62		13	PASS		
	MCH	RB1#0		4.88	13	PASS	
		RB1#3		5.69	13	PASS	
		RB1#5		4.90	13	PASS	
		RB3#0		5.58	13	PASS	
		RB3#2		5.67	13	PASS	
		RB3#3		5.56	13	PASS	
	HCH	RB6#0		6.65	13	PASS	
		RB1#0		5.44	13	PASS	
		RB1#3		5.50	13	PASS	
		RB1#5		5.36	13	PASS	
		RB3#0	5.33	13	PASS		
		RB3#2	5.62	13	PASS		
LCH	RB3#3	5.61	13	PASS			
	RB6#0	6.57	13	PASS			
	RB1#0	4.73	13	PASS			
	RB1#7	5.07	13	PASS			
	RB1#14	4.79	13	PASS			
	RB8#0	6.40	13	PASS			
		3		RB8#4	6.43	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#7	6.53	13	PASS
				RB15#0	6.68	13	PASS
			MCH	RB1#0	5.20	13	PASS
				RB1#7	4.61	13	PASS
				RB1#14	5.19	13	PASS
				RB8#0	6.17	13	PASS
				RB8#4	6.16	13	PASS
				RB8#7	6.23	13	PASS
			RB15#0	6.58	13	PASS	
			HCH	RB1#0	5.25	13	PASS
				RB1#7	5.27	13	PASS
				RB1#14	4.92	13	PASS
				RB8#0	6.63	13	PASS
				RB8#4	6.53	13	PASS
		RB8#7		6.63	13	PASS	
		RB15#0	6.62	13	PASS		
		5	LCH	RB1#0	5.10	13	PASS
				RB1#13	5.29	13	PASS
				RB1#24	5.17	13	PASS
				RB12#0	6.55	13	PASS
				RB12#6	6.43	13	PASS
				RB12#13	6.39	13	PASS
				RB25#0	6.99	13	PASS
			MCH	RB1#0	5.00	13	PASS
				RB1#13	5.12	13	PASS
				RB1#24	5.37	13	PASS
				RB12#0	6.25	13	PASS
				RB12#6	6.23	13	PASS
				RB12#13	6.44	13	PASS
			RB25#0	6.75	13	PASS	
HCH	RB1#0		5.21	13	PASS		
	RB1#13		5.05	13	PASS		
	RB1#24	5.06	13	PASS			
	RB12#0	6.62	13	PASS			
	RB12#6	6.61	13	PASS			
	RB12#13	6.26	13	PASS			
RB25#0	6.54	13	PASS				
10	LCH	RB1#0	5.22	13	PASS		
		RB1#25	5.36	13	PASS		



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#49	4.91	13	PASS
				RB25#0	6.68	13	PASS
				RB25#13	6.48	13	PASS
				RB25#25	6.41	13	PASS
				RB50#0	6.88	13	PASS
			MCH	RB1#0	4.91	13	PASS
				RB1#25	5.40	13	PASS
				RB1#49	5.47	13	PASS
				RB25#0	6.42	13	PASS
				RB25#13	6.46	13	PASS
				RB25#25	6.71	13	PASS
			HCH	RB50#0	6.80	13	PASS
				RB1#0	5.21	13	PASS
				RB1#25	5.28	13	PASS
				RB1#49	5.01	13	PASS
		RB25#0		6.79	13	PASS	
		RB25#13		6.62	13	PASS	
		15	LCH	RB25#25	6.62	13	PASS
				RB50#0	6.81	13	PASS
				RB1#0	5.43	13	PASS
				RB1#38	4.92	13	PASS
				RB1#74	4.78	13	PASS
				RB38#0	6.67	13	PASS
				RB38#19	6.35	13	PASS
			MCH	RB38#39	6.28	13	PASS
				RB75#0	6.87	13	PASS
				RB1#0	4.88	13	PASS
				RB1#38	5.09	13	PASS
				RB1#74	5.58	13	PASS
				RB38#0	6.41	13	PASS
HCH	RB38#19		6.49	13	PASS		
	RB38#39		6.80	13	PASS		
	RB75#0	6.95	13	PASS			
	RB1#0	5.19	13	PASS			
	RB1#38	4.95	13	PASS			
	RB1#74	5.12	13	PASS			
				RB38#0	6.79	13	PASS
				RB38#19	6.72	13	PASS
				RB38#39	6.67	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB75#0	7.15	13	PASS
		20	LCH	RB1#0	4.98	13	PASS
				RB1#50	4.59	13	PASS
				RB1#99	4.78	13	PASS
				RB50#0	6.61	13	PASS
				RB50#25	6.21	13	PASS
				RB50#50	6.30	13	PASS
				RB100#0	6.84	13	PASS
			MCH	RB1#0	4.70	13	PASS
				RB1#50	5.00	13	PASS
				RB1#99	5.33	13	PASS
				RB50#0	6.39	13	PASS
				RB50#25	6.52	13	PASS
				RB50#50	6.87	13	PASS
				RB100#0	7.00	13	PASS
			HCH	RB1#0	5.47	13	PASS
				RB1#50	5.69	13	PASS
				RB1#99	5.38	13	PASS
				RB50#0	6.93	13	PASS
				RB50#25	6.85	13	PASS
				RB50#50	6.88	13	PASS
				RB100#0	7.13	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

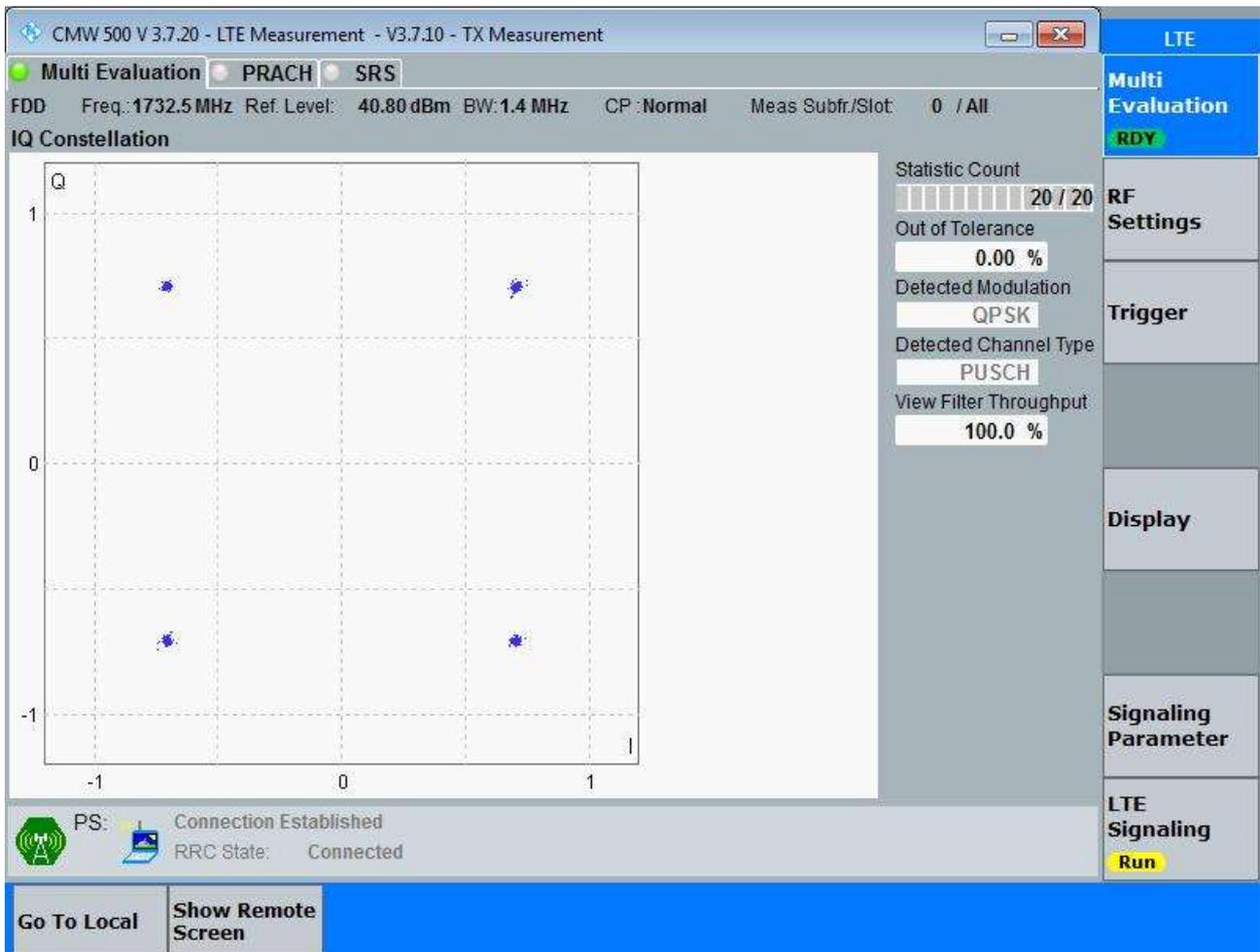
3.1.1 Test Band = Band4

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

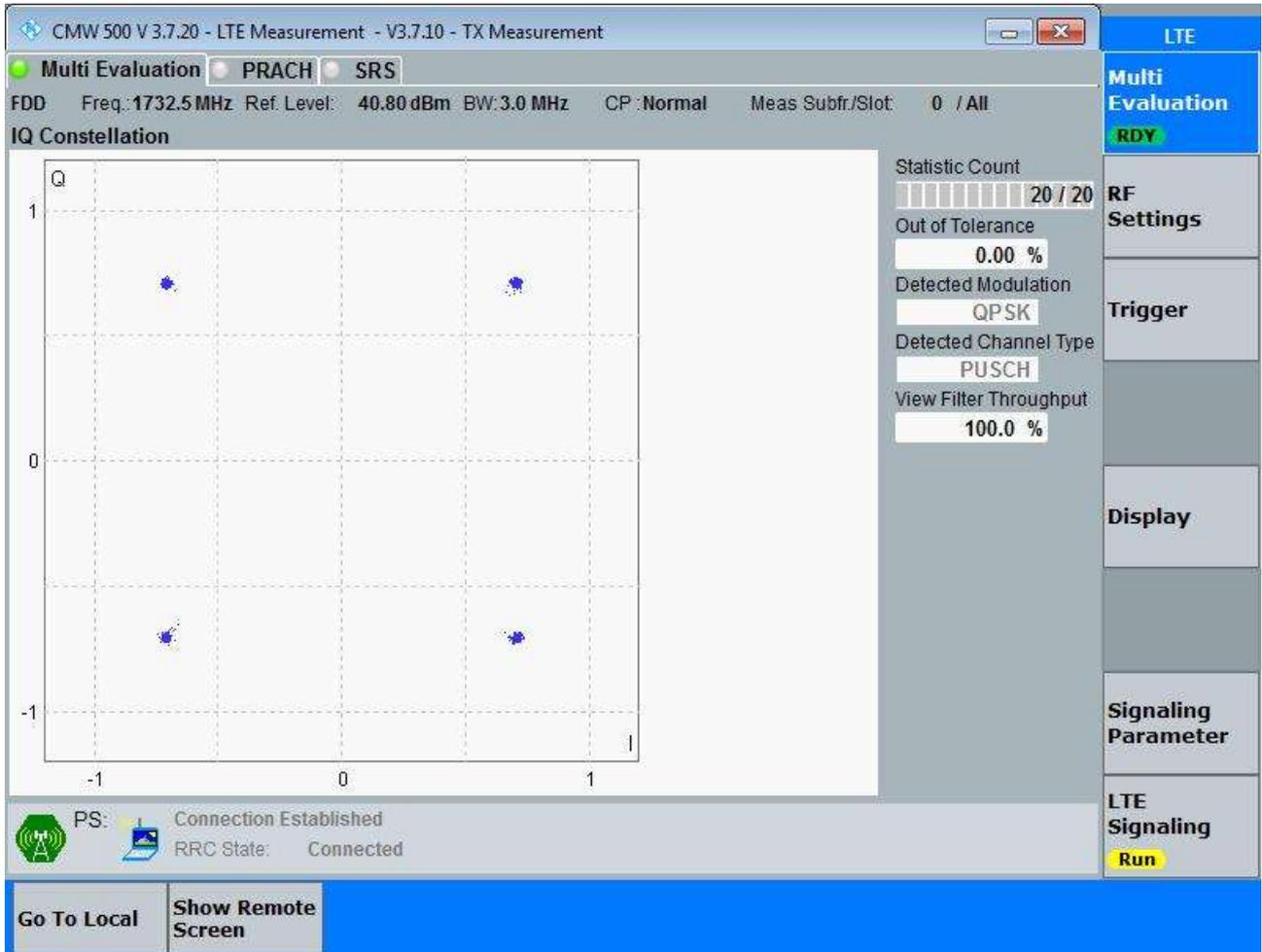
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

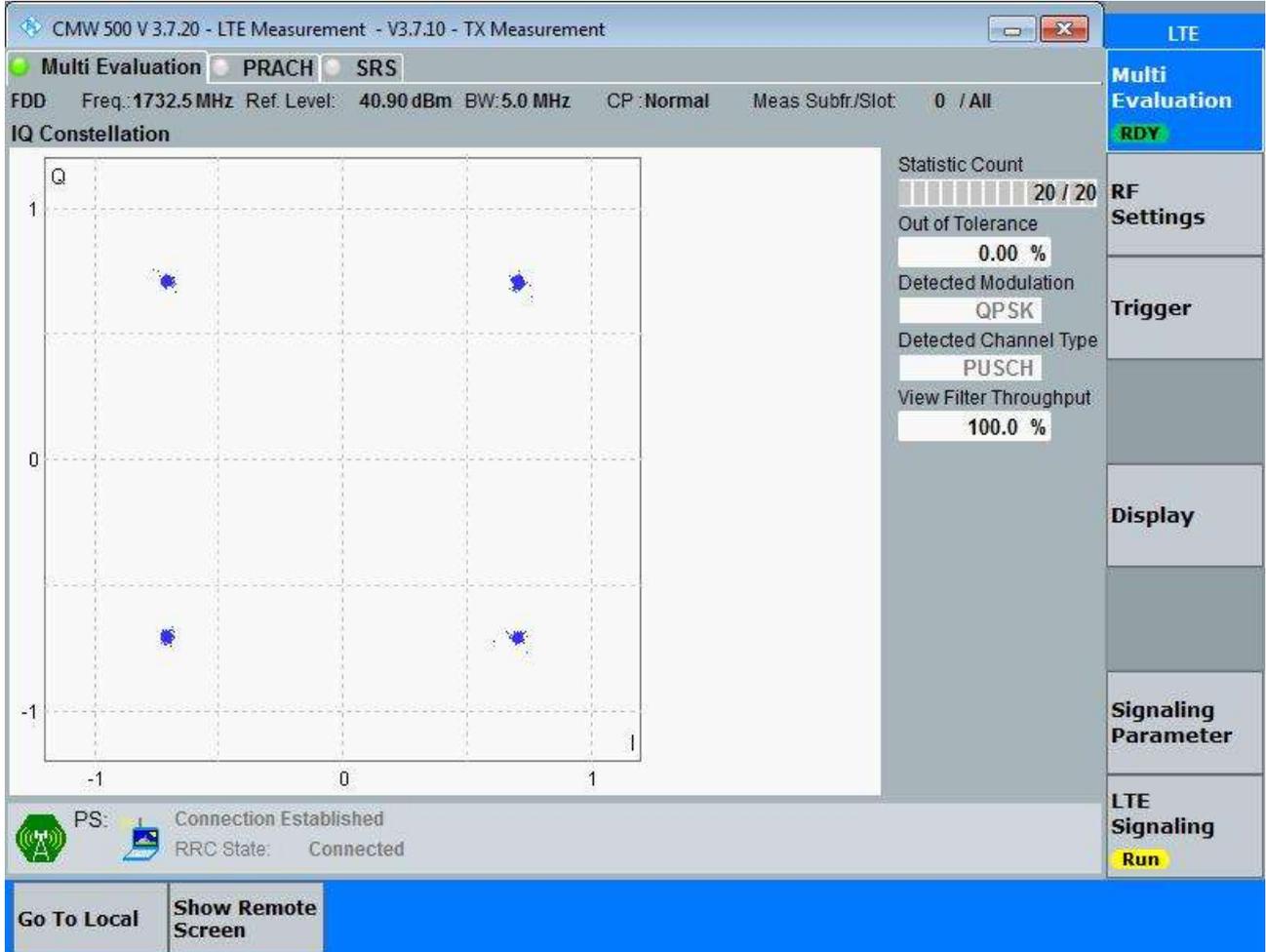
3.1.1.1.2.1.1 Test RB = RB15#0



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

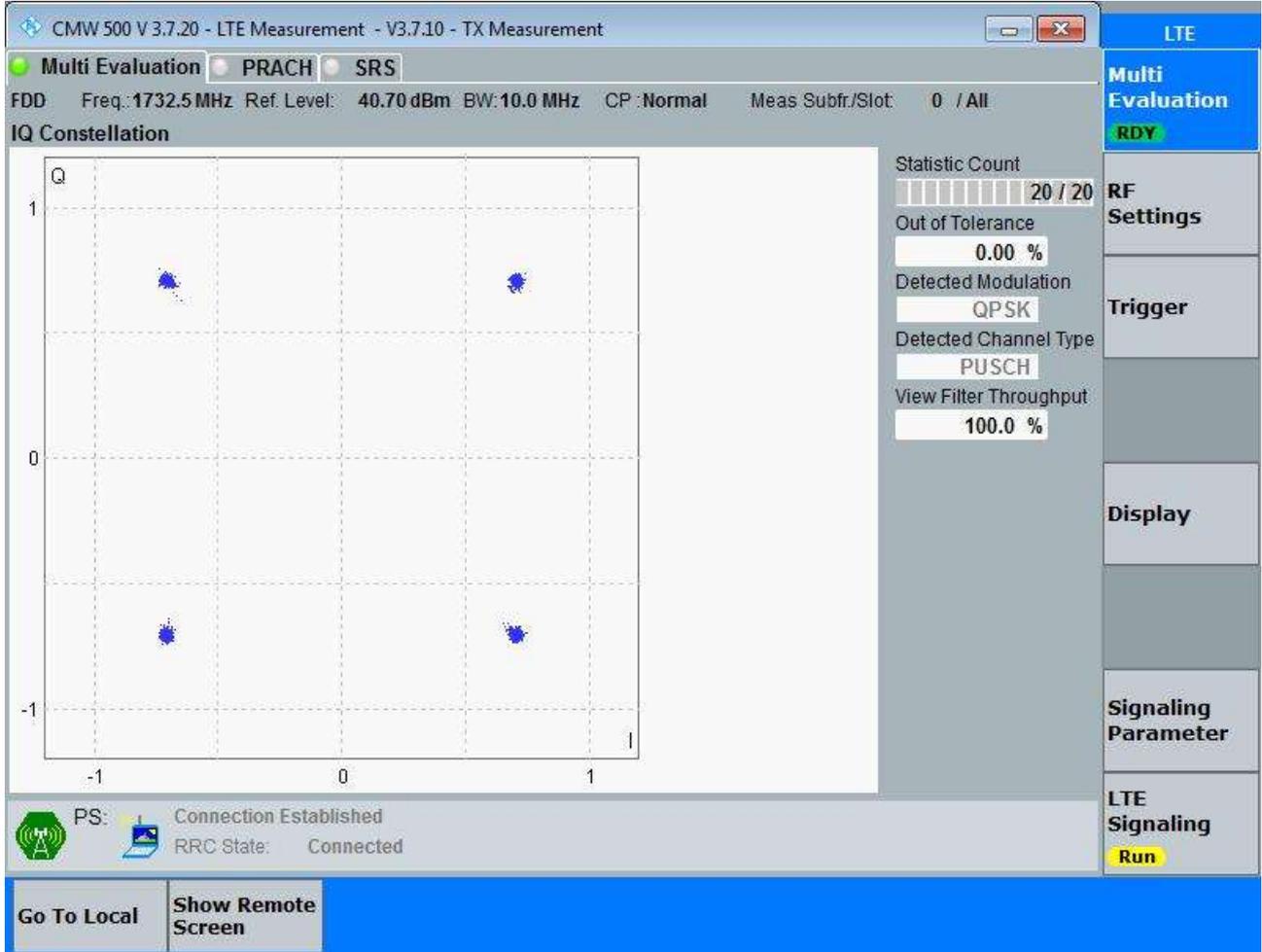




3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

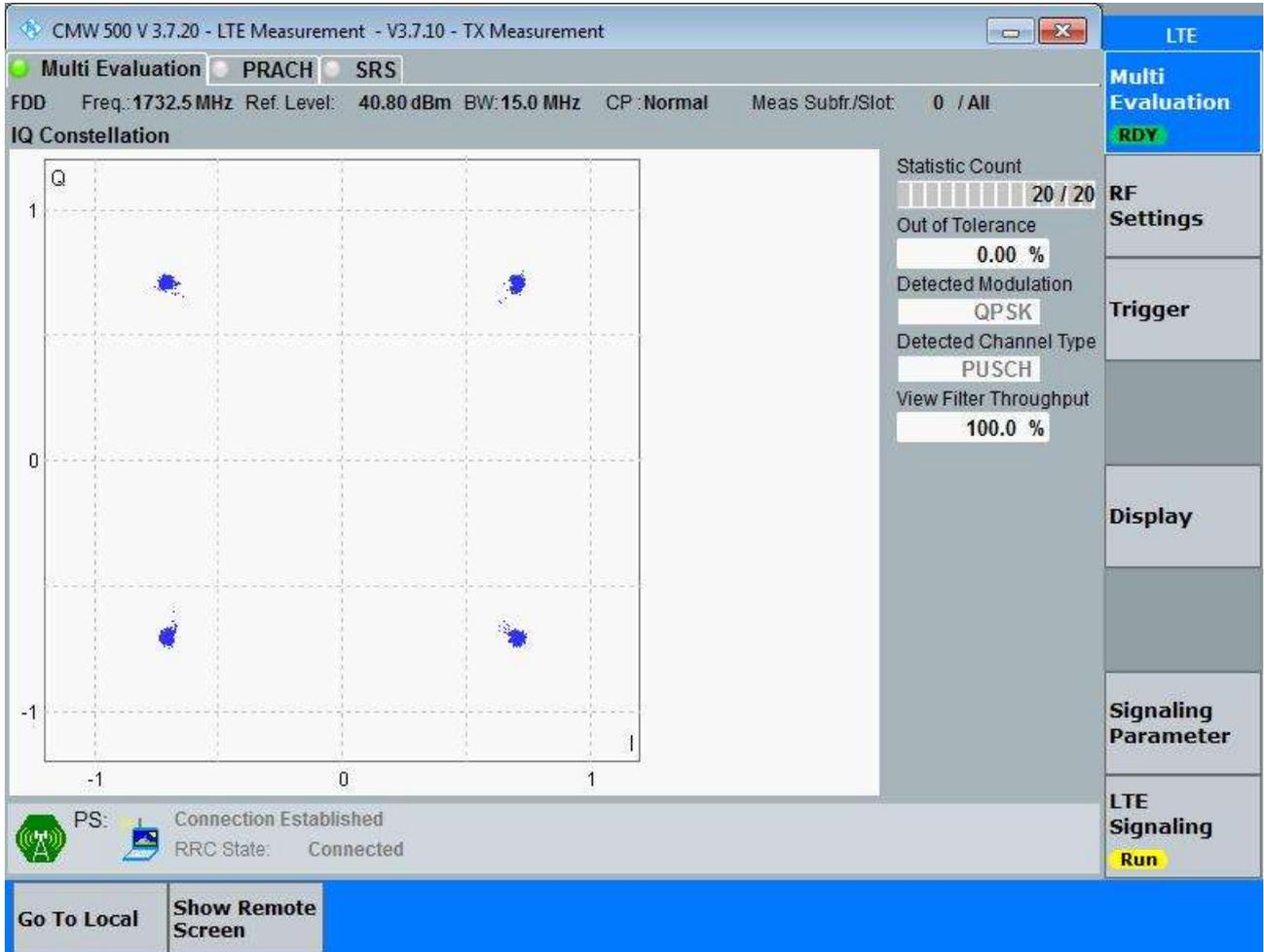
3.1.1.1.4.1.1 Test RB = RB50#0



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

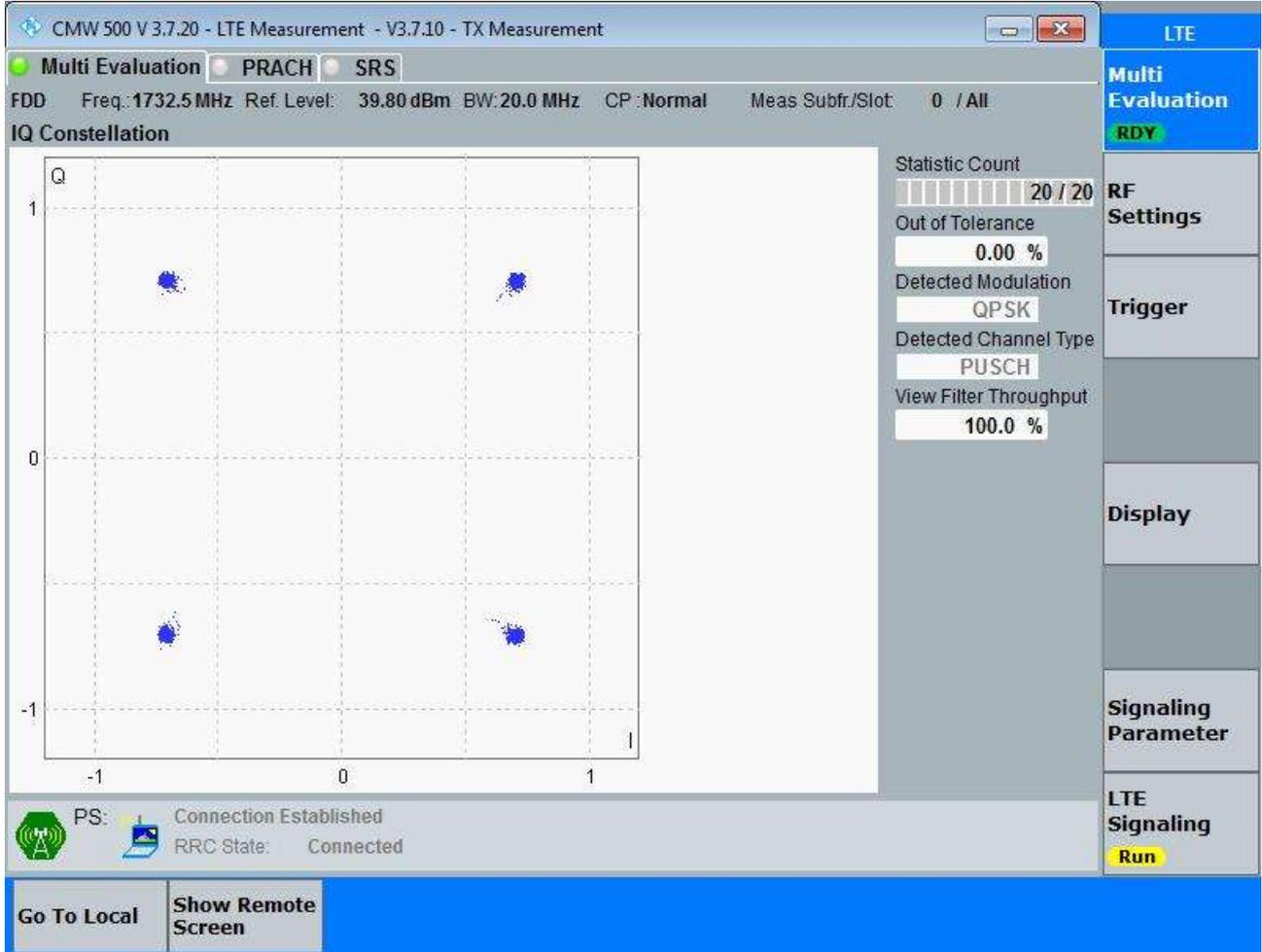




3.1.1.1.6 Test Bandwidth = 20

3.1.1.1.6.1 Test Channel = MCH

3.1.1.1.6.1.1 Test RB = RB100#0

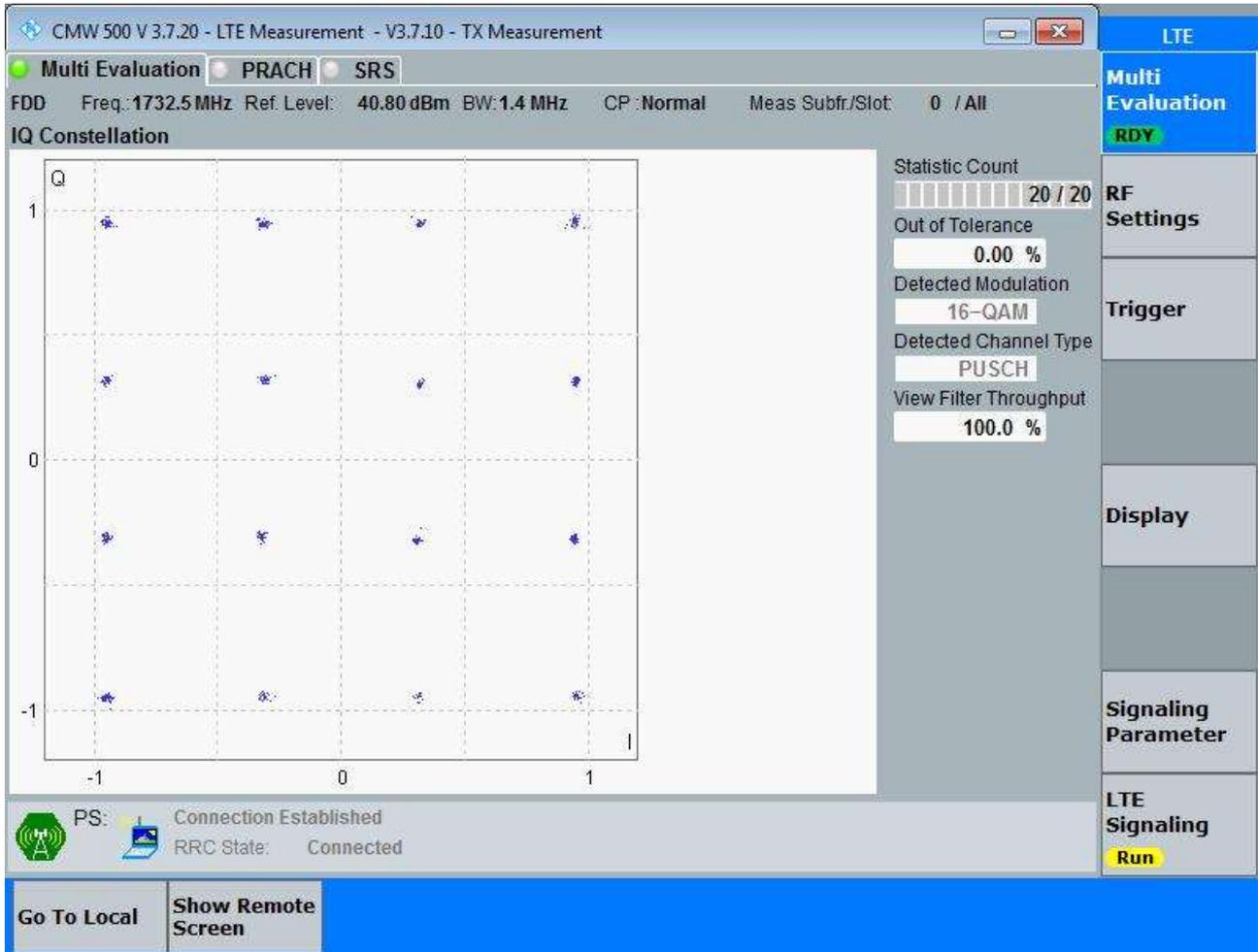


3.1.1.2 Test Mode = LTE/TM2

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

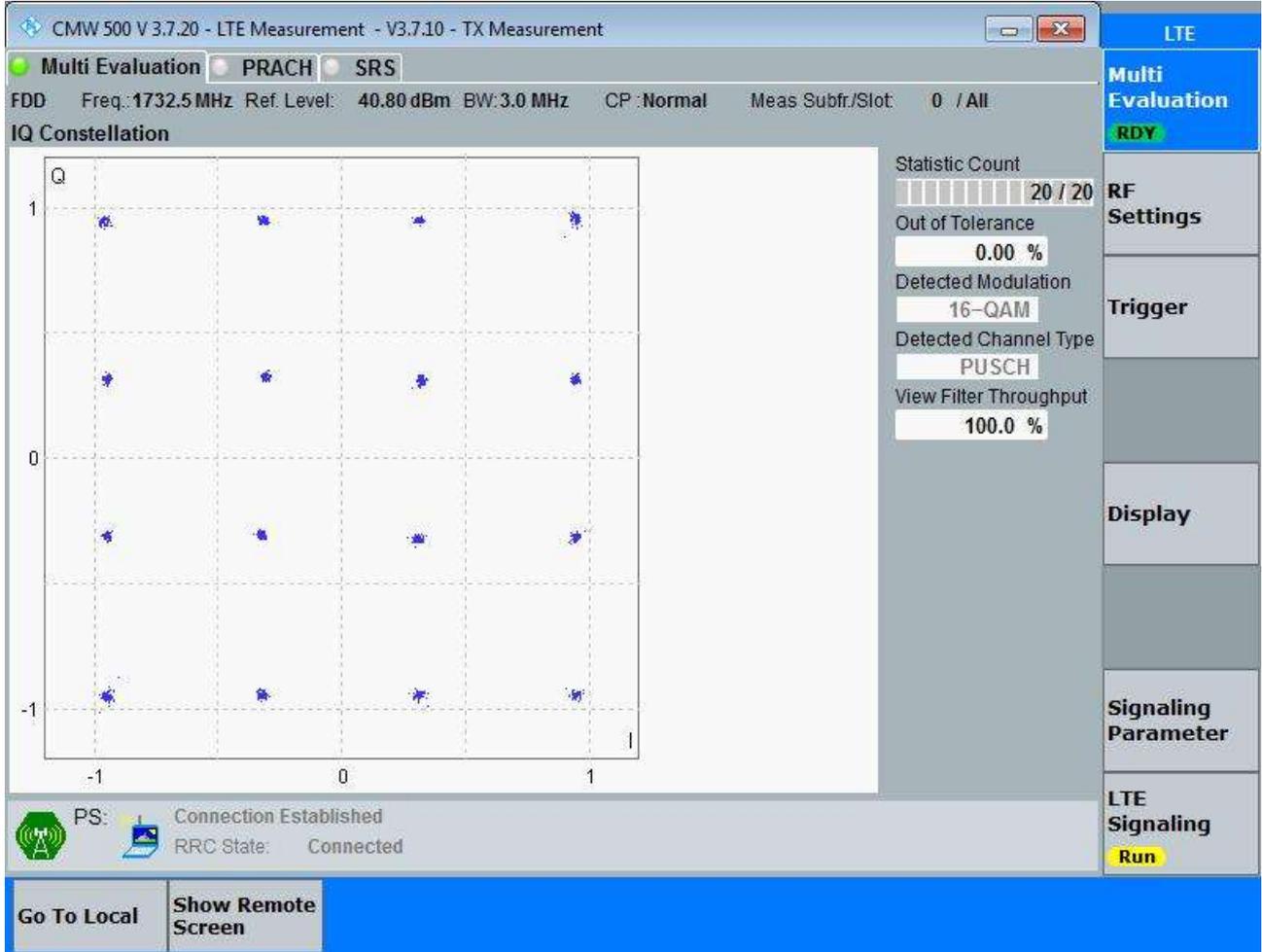




3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

3.1.1.2.2.1.1 Test RB = RB15#0

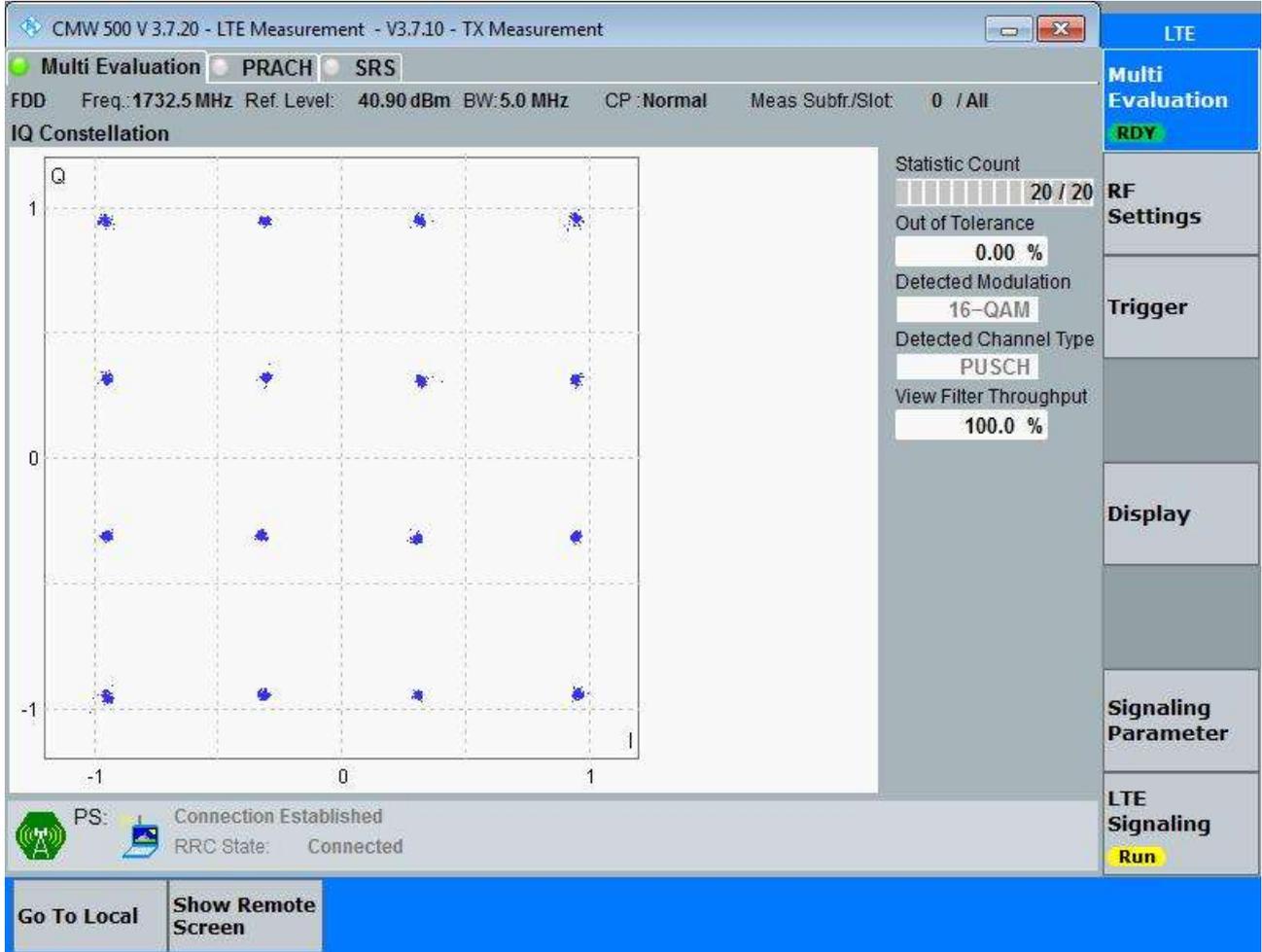




3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

3.1.1.2.3.1.1 Test RB = RB25#0

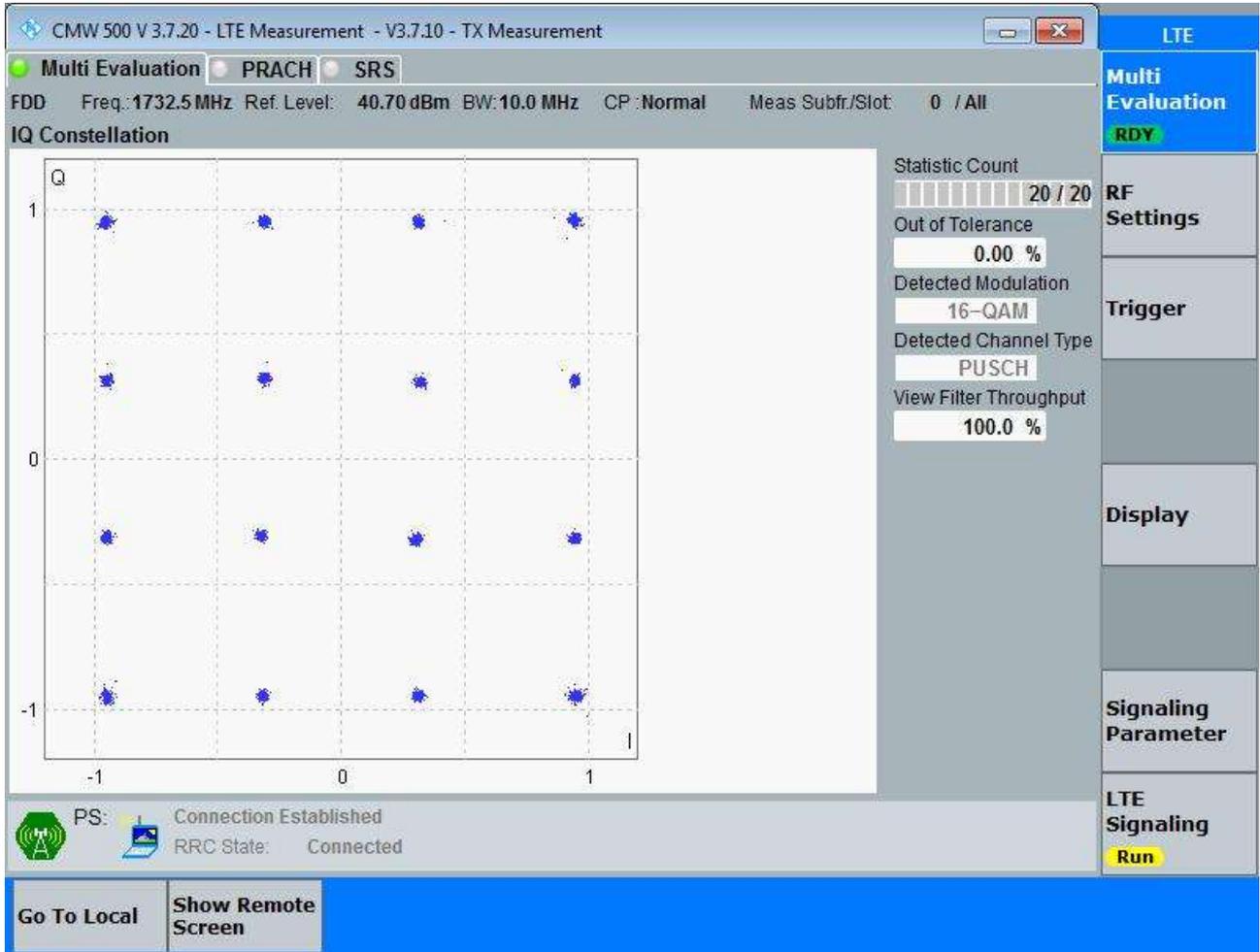




3.1.1.2.4 Test Bandwidth = 10

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

CMW 500 V 3.7.20 - LTE Measurement - V3.7.10 - TX Measurement

Multi Evaluation PRACH SRS

FDD Freq.: 1732.5 MHz Ref. Level: 40.80 dBm BW: 15.0 MHz CP: Normal Meas Subfr./Slot: 0 / All

IQ Constellation

Statistic Count: 20 / 20
Out of Tolerance: 0.00 %
Detected Modulation: 16-QAM
Detected Channel Type: PUSCH
View Filter Throughput: 100.0 %

PS: Connection Established
RRC State: Connected

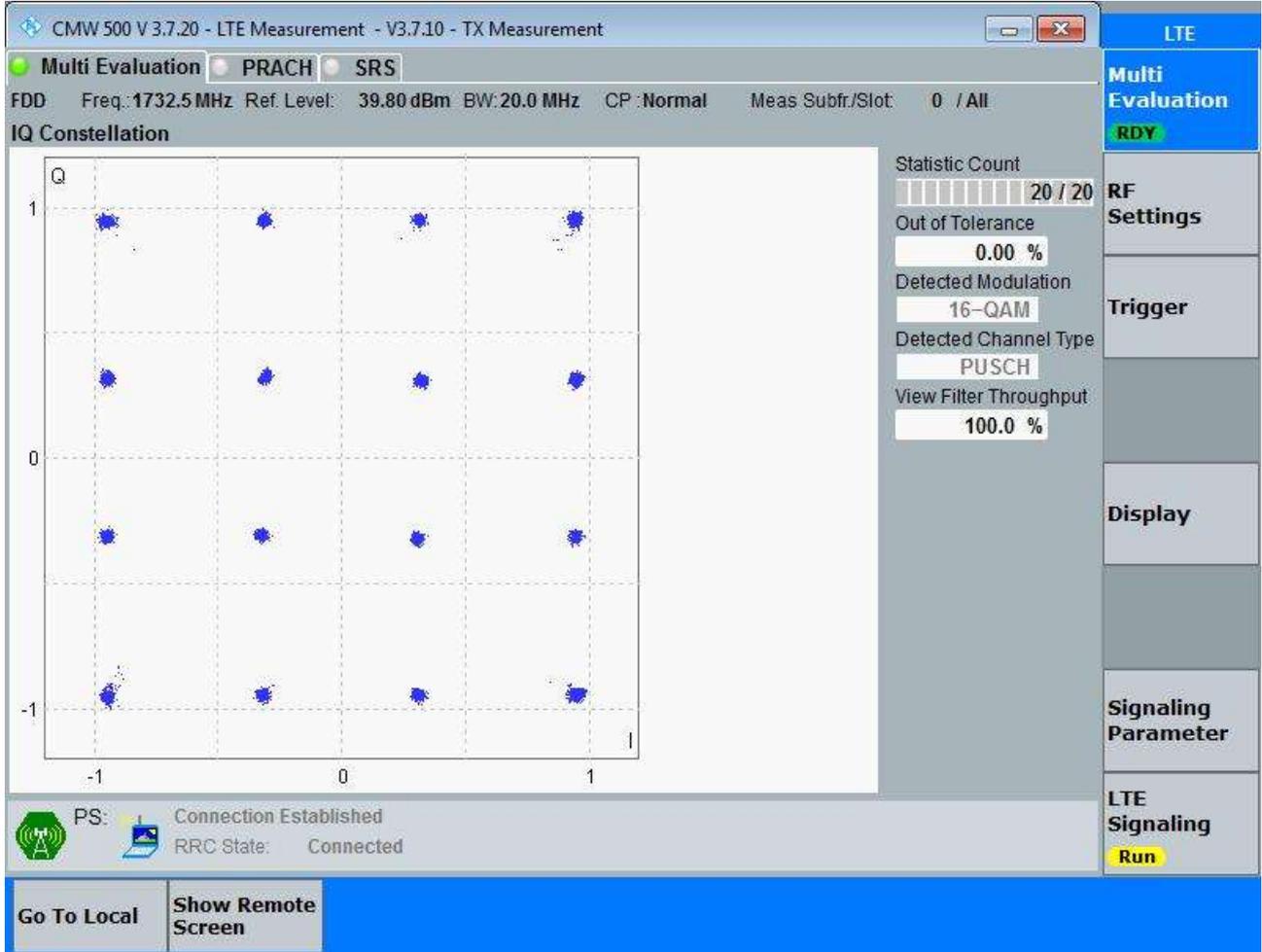
Go To Local Show Remote Screen

LTE
Multi Evaluation (RDY)
RF Settings
Trigger
Display
Signaling Parameter
LTE Signaling (Run)

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	1.24	Pass
			MCH	RB6#0	1.10	1.24	Pass
			HCH	RB6#0	1.10	1.24	Pass
		3	LCH	RB15#0	2.71	2.99	Pass
			MCH	RB15#0	2.71	2.98	Pass
			HCH	RB15#0	2.71	2.97	Pass
		5	LCH	RB25#0	4.53	4.95	Pass
			MCH	RB25#0	4.52	5.16	Pass
			HCH	RB25#0	4.52	4.97	Pass
		10	LCH	RB50#0	9.02	9.88	Pass
			MCH	RB50#0	9.01	9.88	Pass
			HCH	RB50#0	9.00	9.85	Pass
		15	LCH	RB75#0	13.49	14.88	Pass
			MCH	RB75#0	13.53	15.02	Pass
			HCH	RB75#0	13.52	14.98	Pass
		20	LCH	RB100#0	17.96	19.66	Pass
			MCH	RB100#0	18.03	19.66	Pass
			HCH	RB100#0	18.01	19.75	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.10	1.24	Pass
			MCH	RB6#0	1.10	1.25	Pass
			HCH	RB6#0	1.10	1.24	Pass
		3	LCH	RB15#0	2.72	2.99	Pass
			MCH	RB15#0	2.71	2.99	Pass
			HCH	RB15#0	2.71	2.98	Pass
		5	LCH	RB25#0	4.52	4.97	Pass
			MCH	RB25#0	4.52	4.98	Pass
			HCH	RB25#0	4.53	4.98	Pass
		10	LCH	RB50#0	9.00	9.82	Pass
			MCH	RB50#0	9.00	9.94	Pass
			HCH	RB50#0	9.02	9.86	Pass
15		LCH	RB75#0	13.46	14.92	Pass	
		MCH	RB75#0	13.52	15.02	Pass	
		HCH	RB75#0	13.49	15.00	Pass	
20		LCH	RB100#0	17.98	19.75	Pass	
		MCH	RB100#0	18.03	19.91	Pass	



Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
			HCH	RB100#0	18.03	19.69	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



4.1.1.1.3.2 Test Channel = MCH

4.1.1.1.3.2.1 Test RB = RB25#0



4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0





4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB50#0



4.1.1.1.4.2 Test Channel = MCH

4.1.1.1.4.2.1 Test RB = RB50#0



4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0





4.1.1.1.5 Test Bandwidth = 15

4.1.1.1.5.1 Test Channel = LCH

4.1.1.1.5.1.1 Test RB = RB75#0



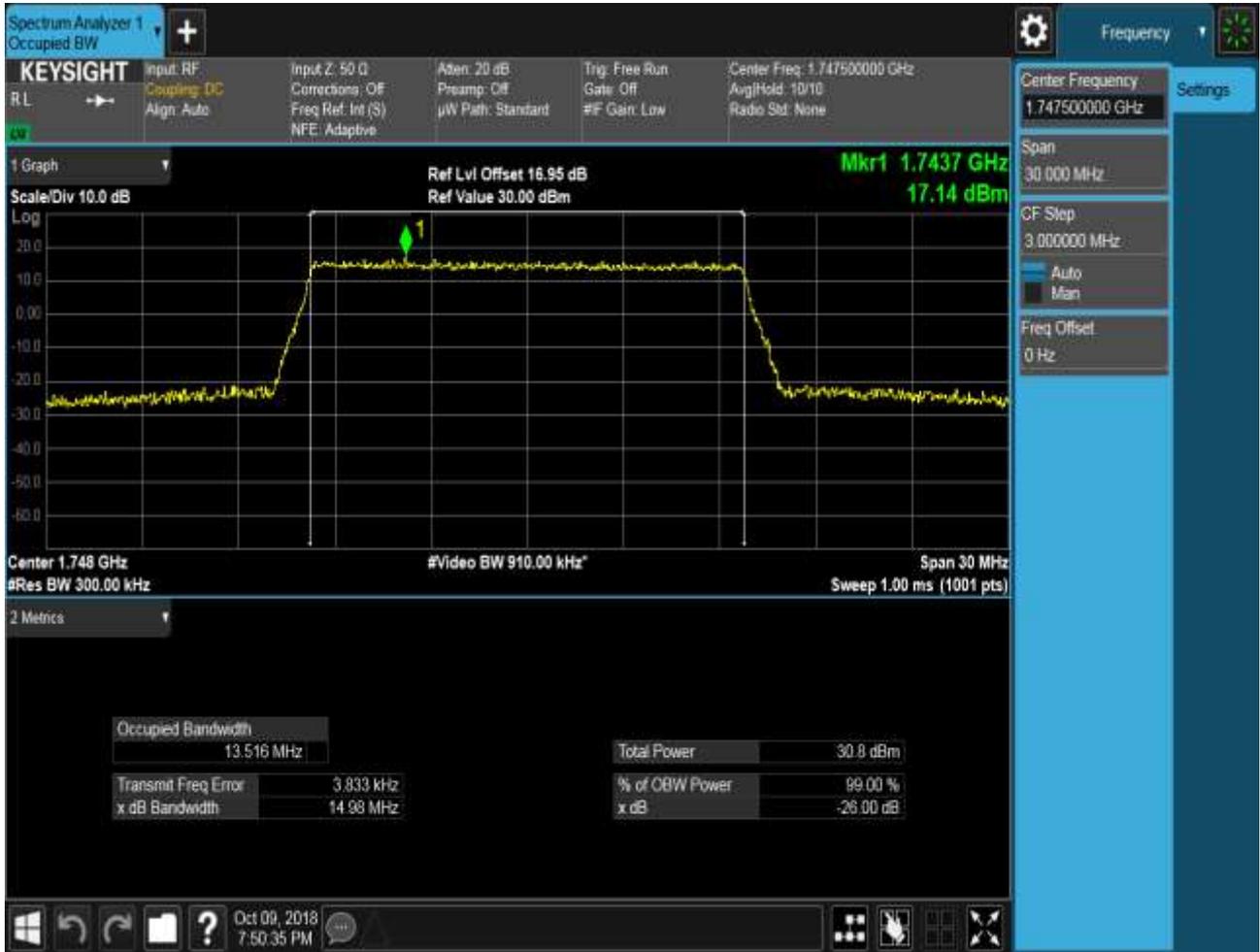
4.1.1.1.5.2 Test Channel = MCH

4.1.1.1.5.2.1 Test RB = RB75#0



4.1.1.1.5.3 Test Channel = HCH

4.1.1.1.5.3.1 Test RB = RB75#0

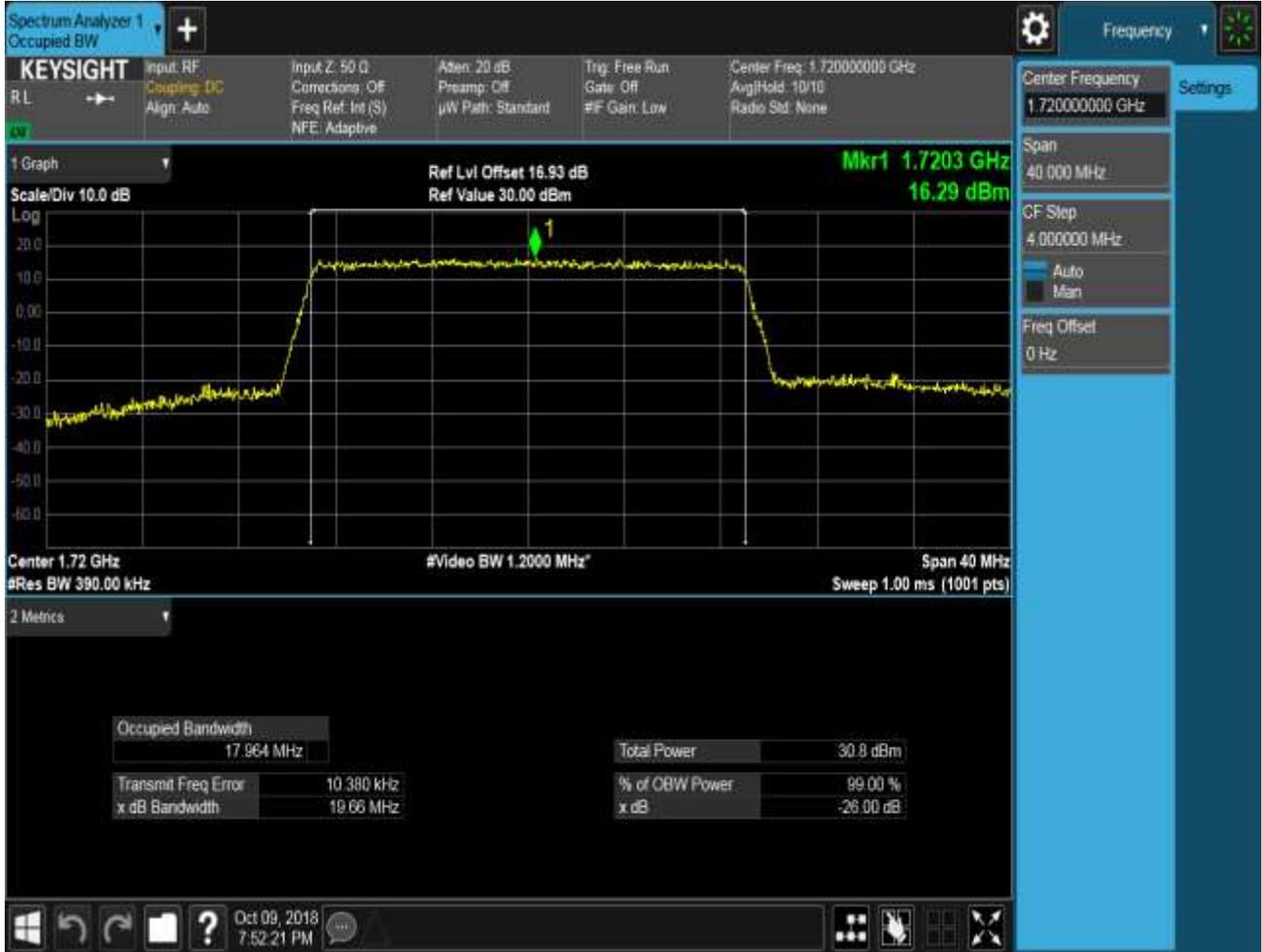




4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

4.1.1.1.6.1.1 Test RB = RB100#0



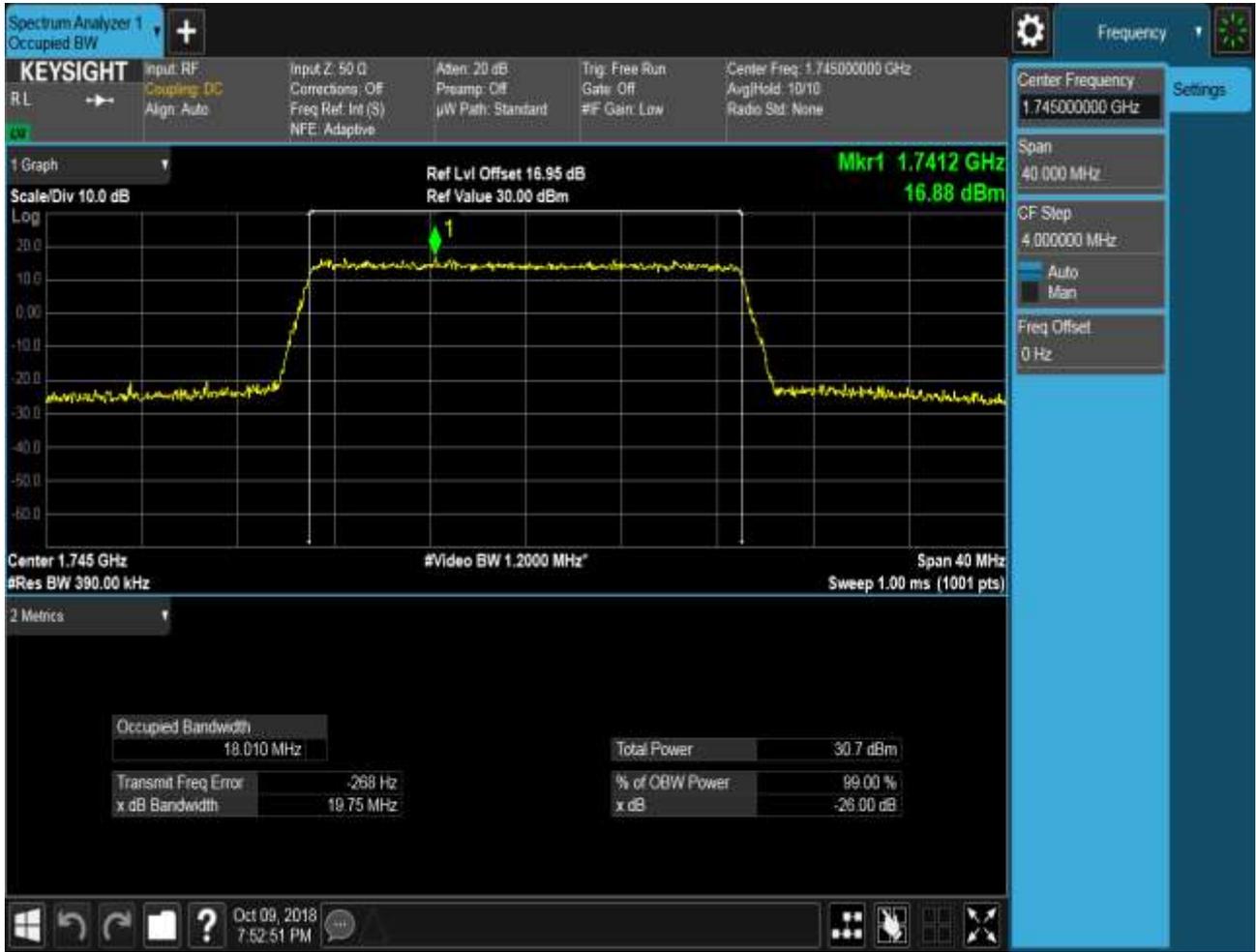
4.1.1.1.6.2 Test Channel = MCH

4.1.1.1.6.2.1 Test RB = RB100#0



4.1.1.1.6.3 Test Channel = HCH

4.1.1.1.6.3.1 Test RB = RB100#0

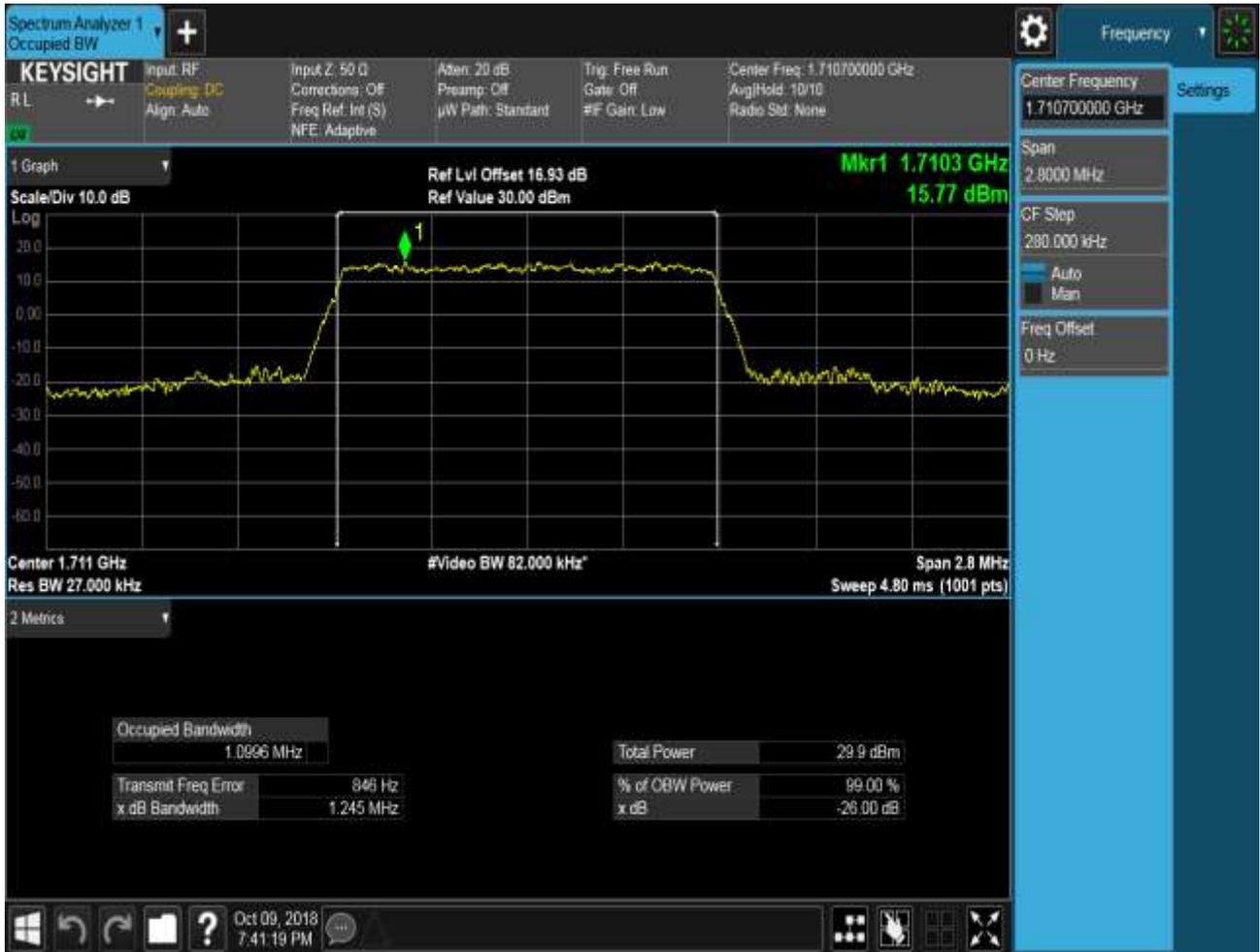


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

4.1.1.2.1.1.1 Test RB = RB6#0



4.1.1.2.1.2 Test Channel = MCH

4.1.1.2.1.2.1 Test RB = RB6#0



4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0





4.1.1.2.2 Test Bandwidth = 3

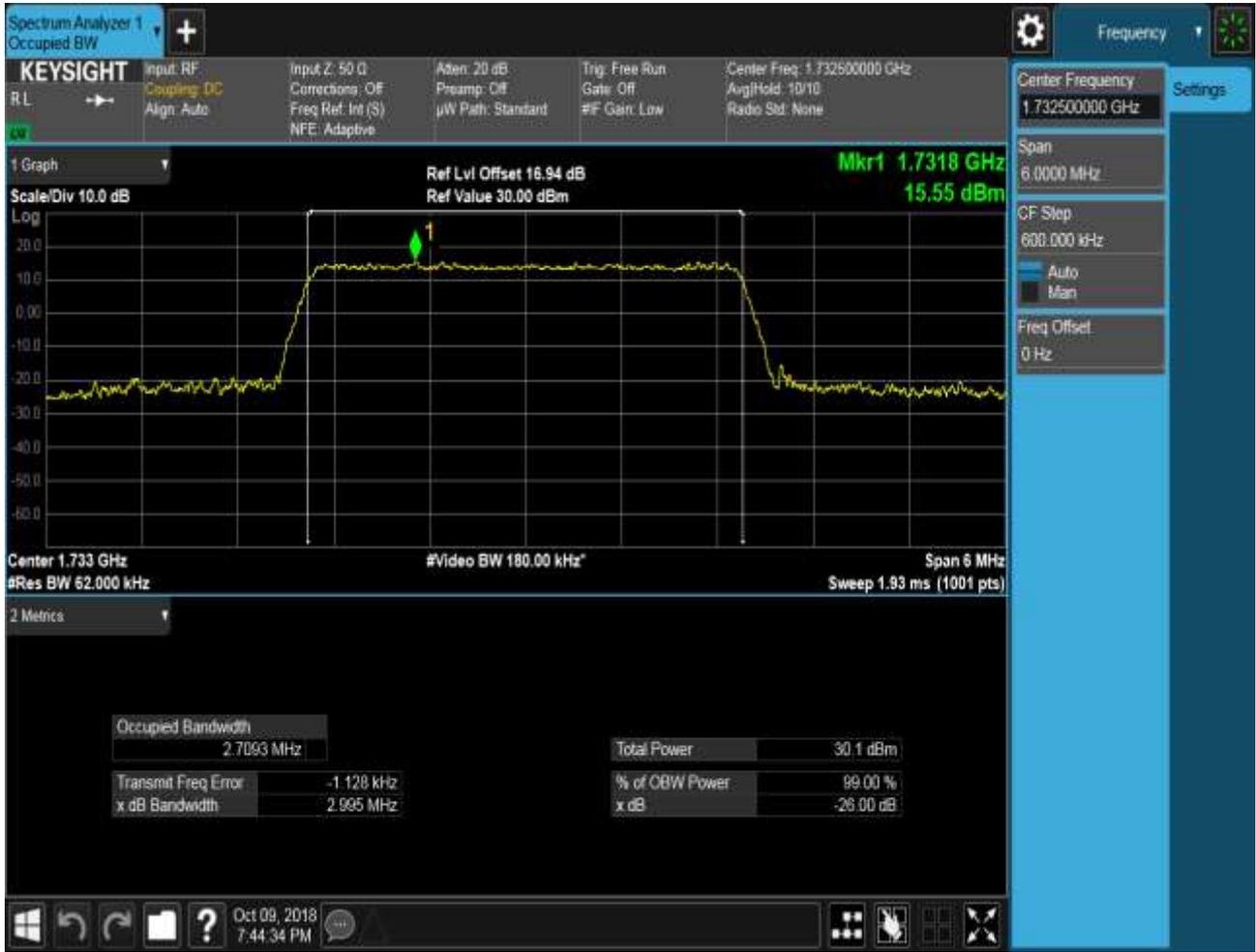
4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB15#0



4.1.1.2.2.2 Test Channel = MCH

4.1.1.2.2.2.1 Test RB = RB15#0



4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0





4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB25#0



4.1.1.2.3.2 Test Channel = MCH

4.1.1.2.3.2.1 Test RB = RB25#0



4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0



4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

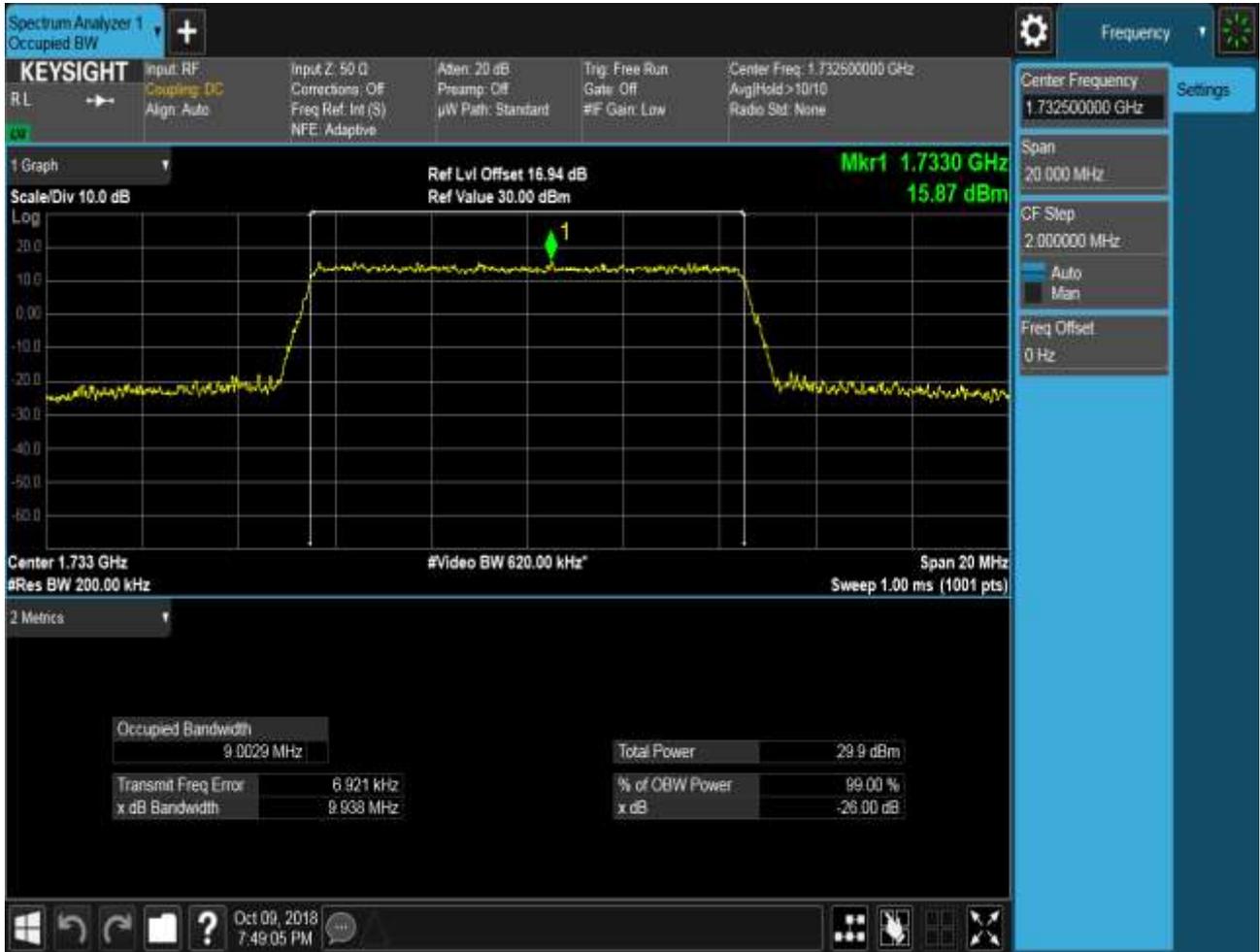
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

4.1.1.2.4.2.1 Test RB = RB50#0



4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0

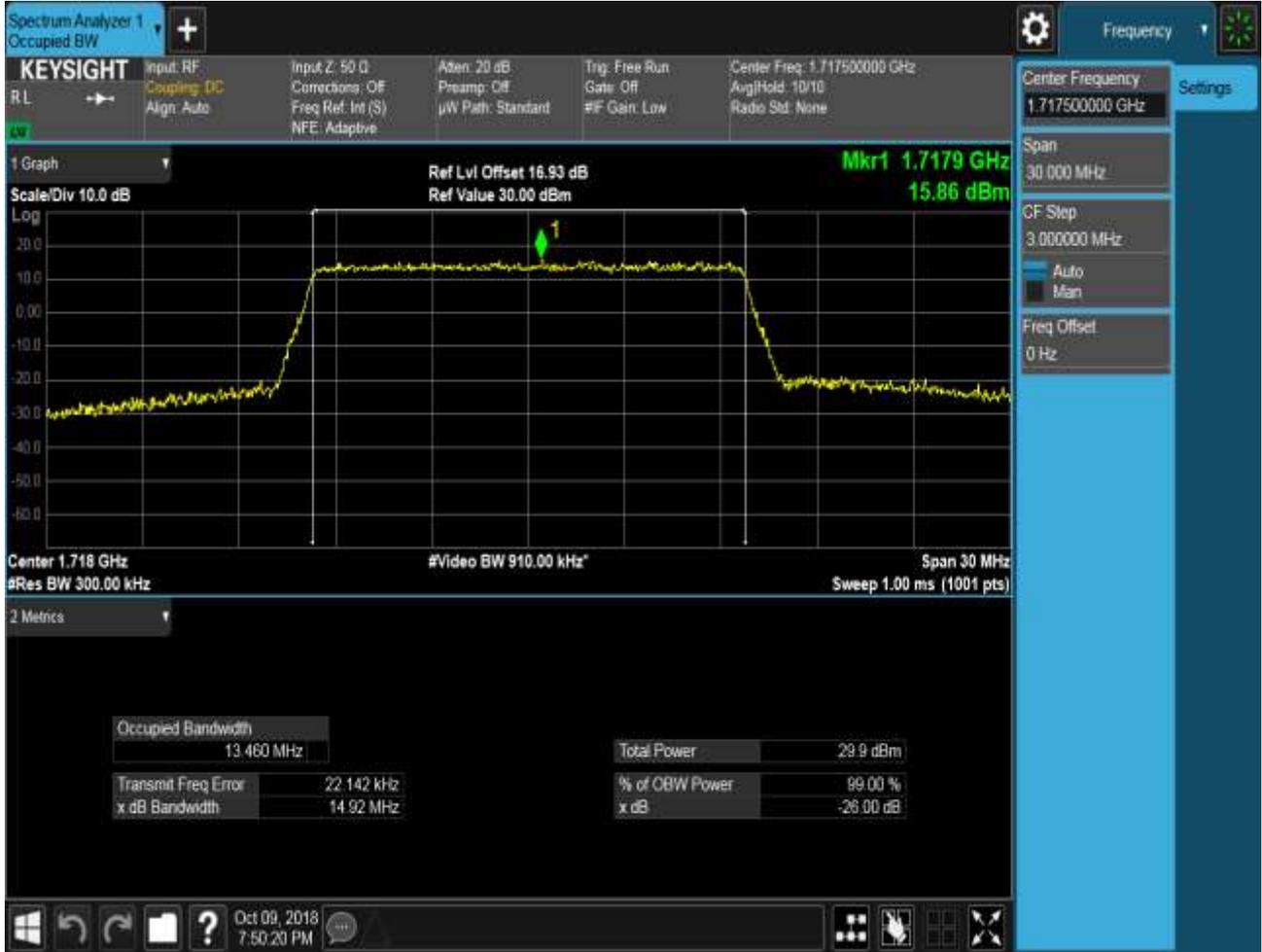




4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

4.1.1.2.5.1.1 Test RB = RB75#0



4.1.1.2.5.2 Test Channel = MCH

4.1.1.2.5.2.1 Test RB = RB75#0



4.1.1.2.5.3 Test Channel = HCH

4.1.1.2.5.3.1 Test RB = RB75#0

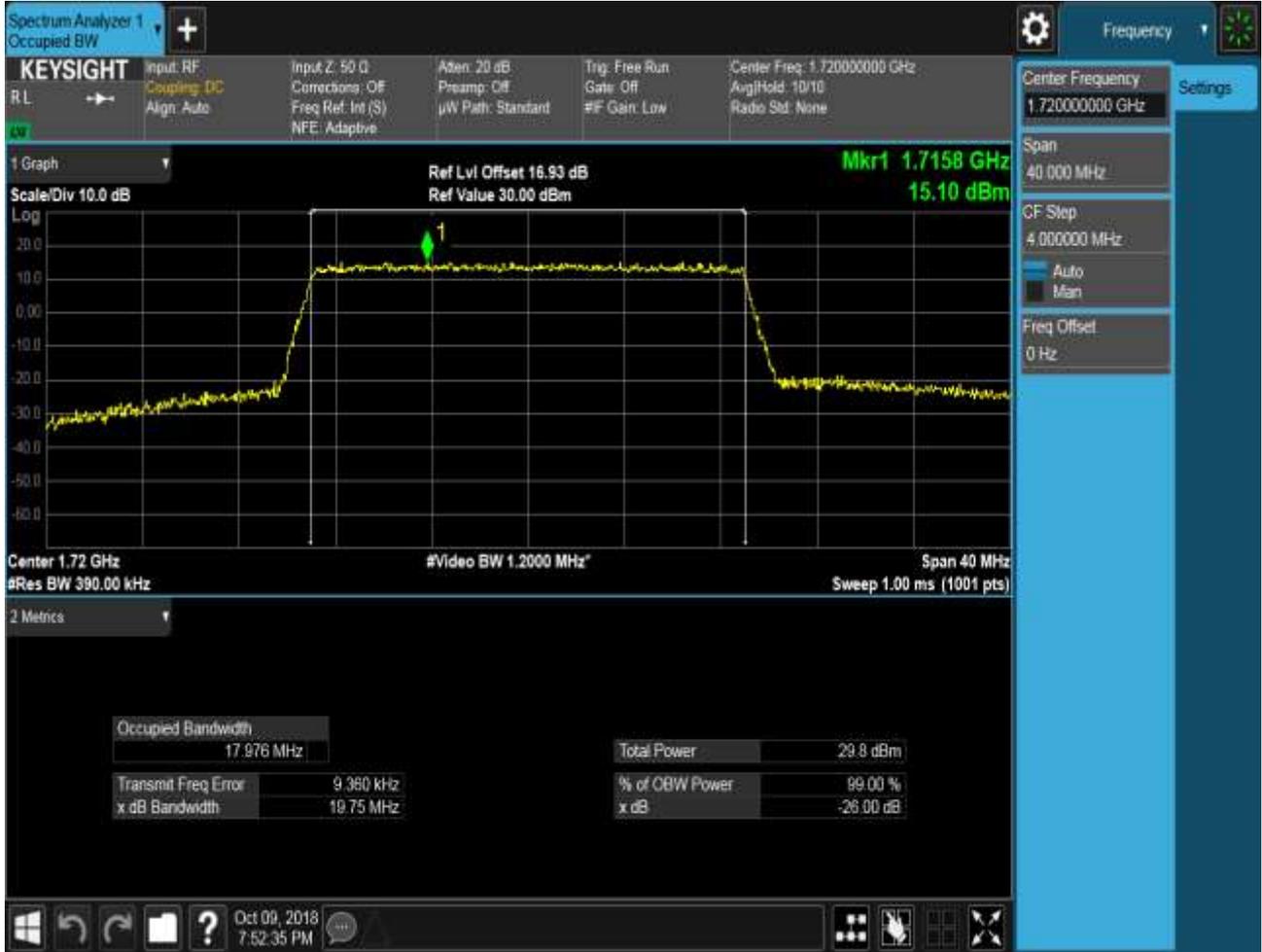




4.1.1.2.6 Test Bandwidth = 20

4.1.1.2.6.1 Test Channel = LCH

4.1.1.2.6.1.1 Test RB = RB100#0



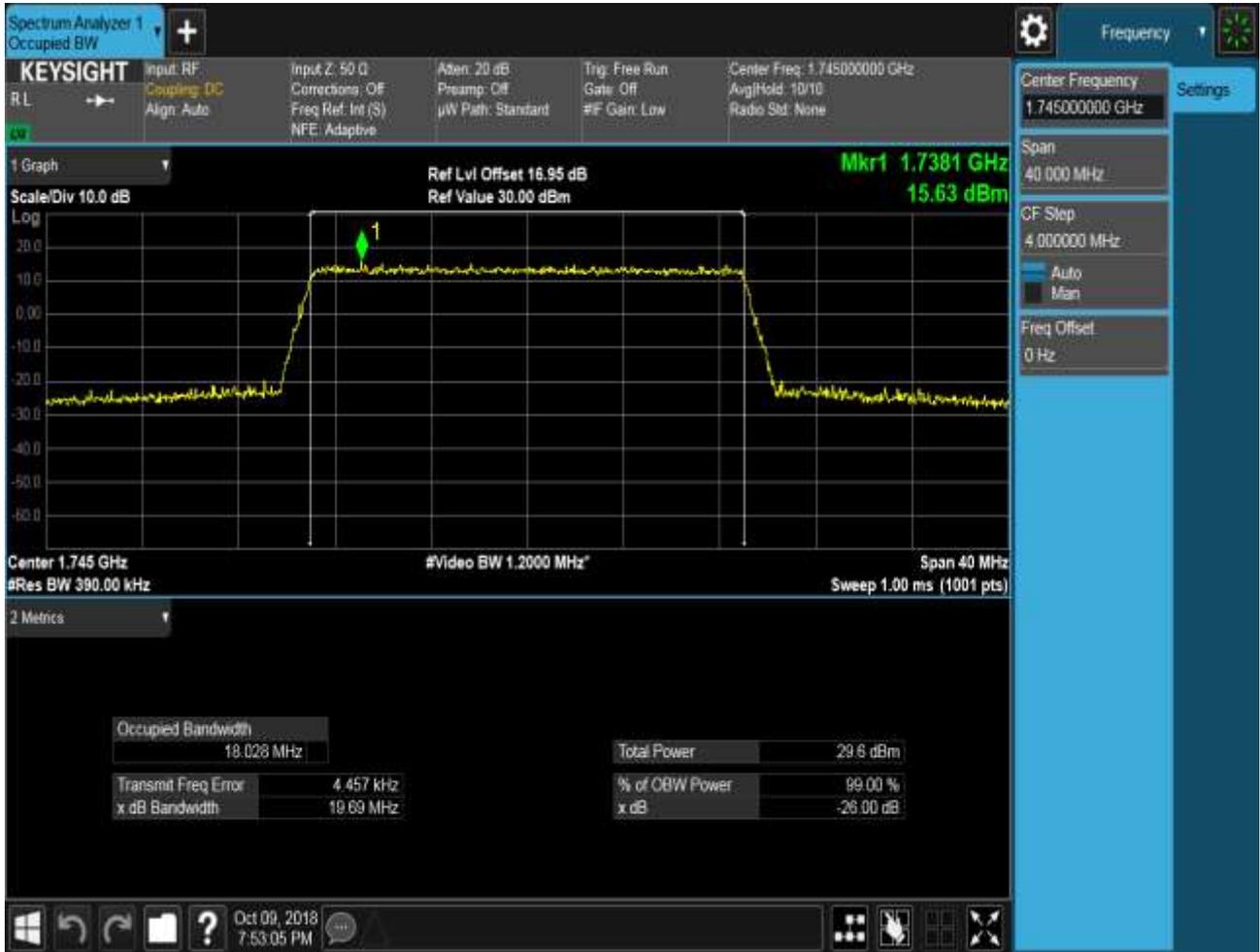
4.1.1.2.6.2 Test Channel = MCH

4.1.1.2.6.2.1 Test RB = RB100#0



4.1.1.2.6.3 Test Channel = HCH

4.1.1.2.6.3.1 Test RB = RB100#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

5.1.1 Test Band = Band4

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 1.4

5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0



5.1.1.1.1.2 Test RB = RB1#5



5.1.1.1.1.3 Test RB = RB3#2

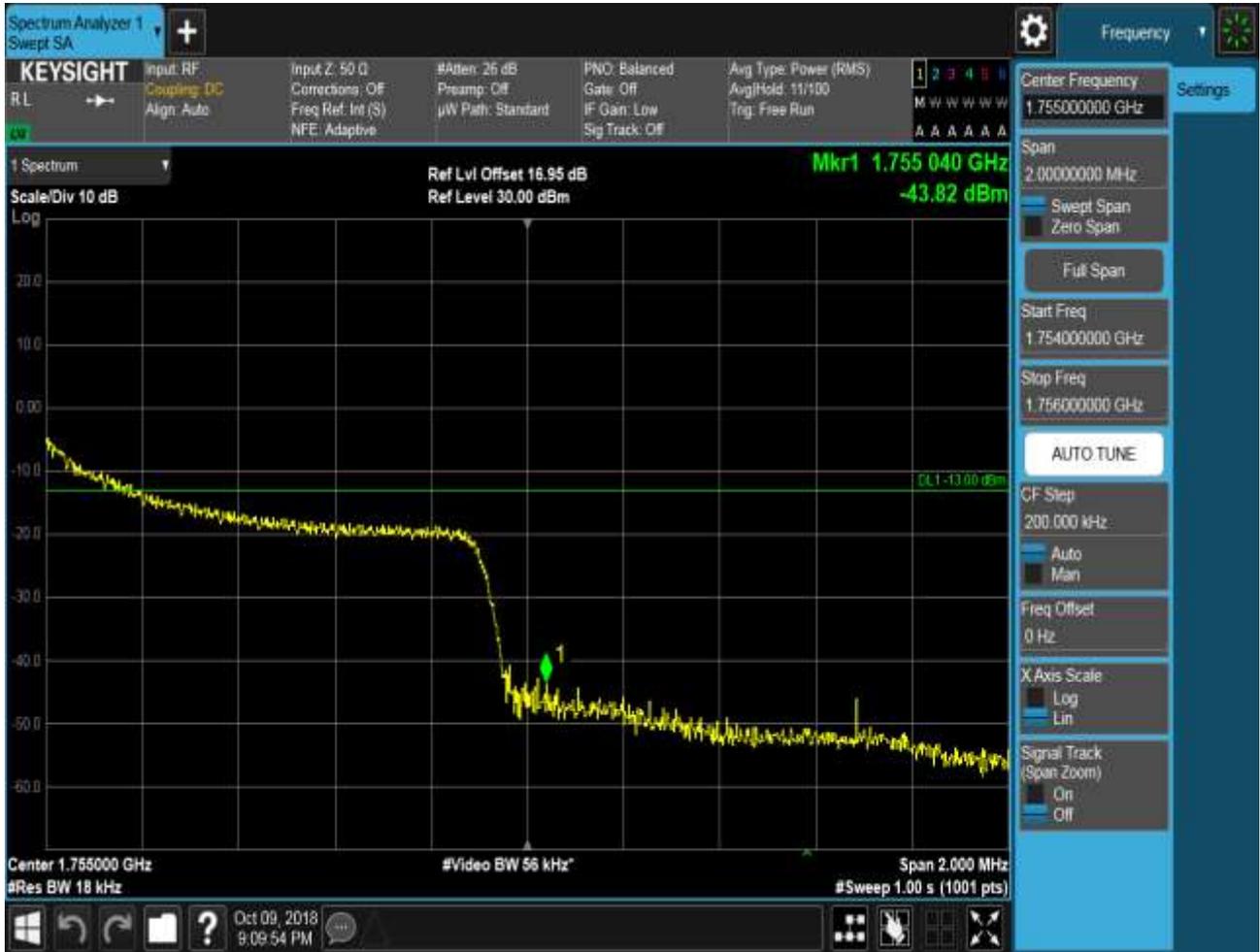


5.1.1.1.1.4 Test RB = RB6#0

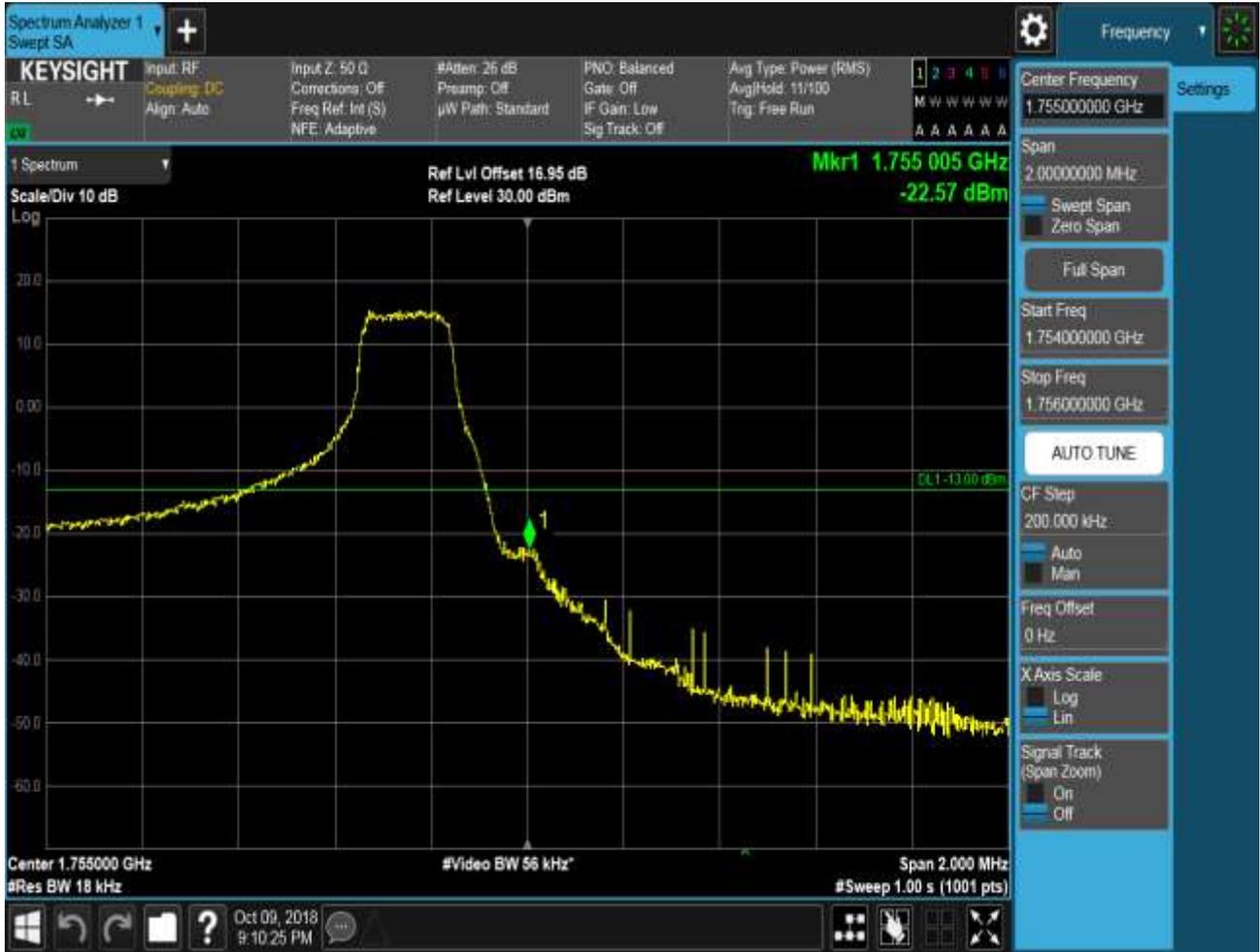


5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0



5.1.1.1.2.2 Test RB = RB1#5

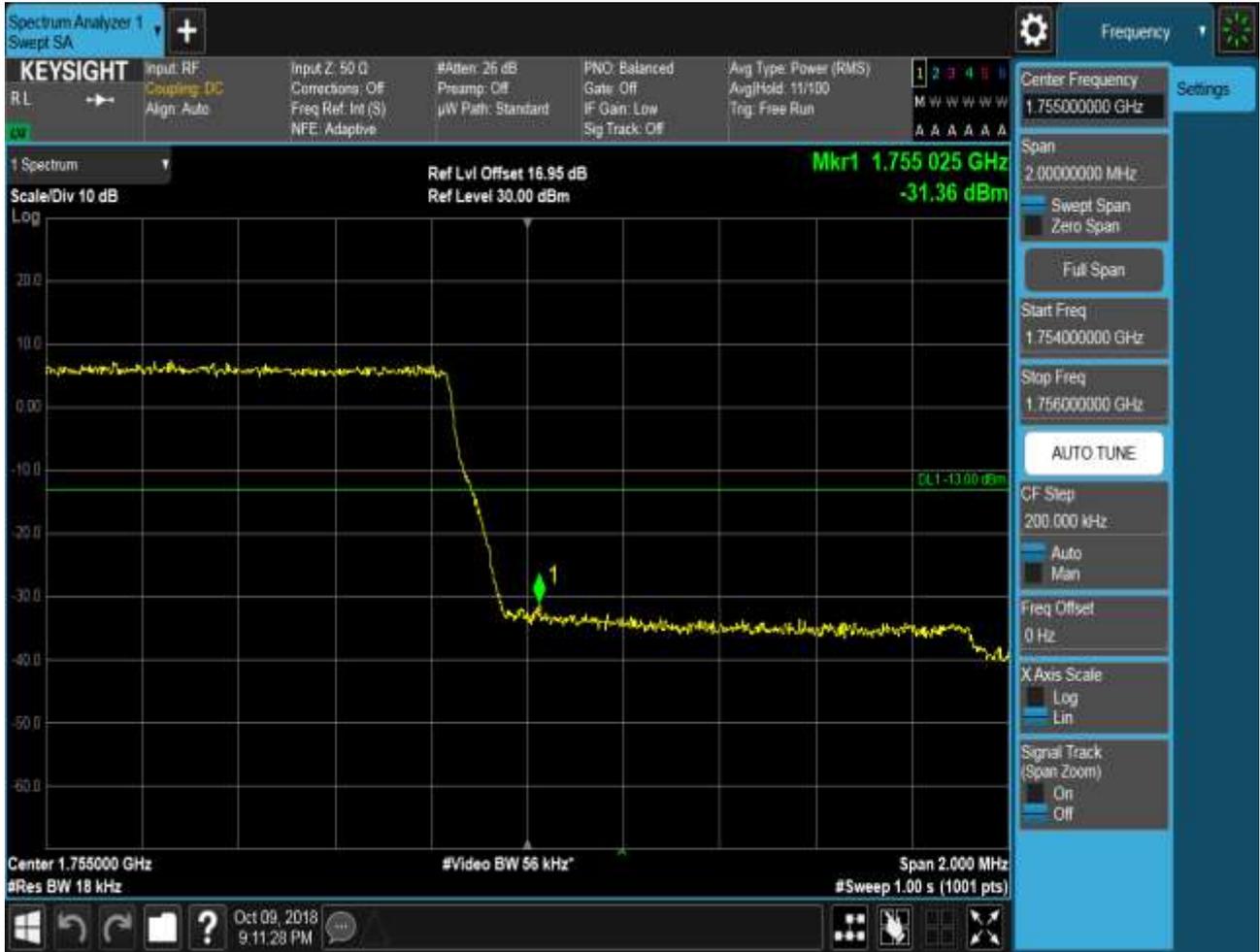




5.1.1.1.1.2.3 Test RB = RB3#2



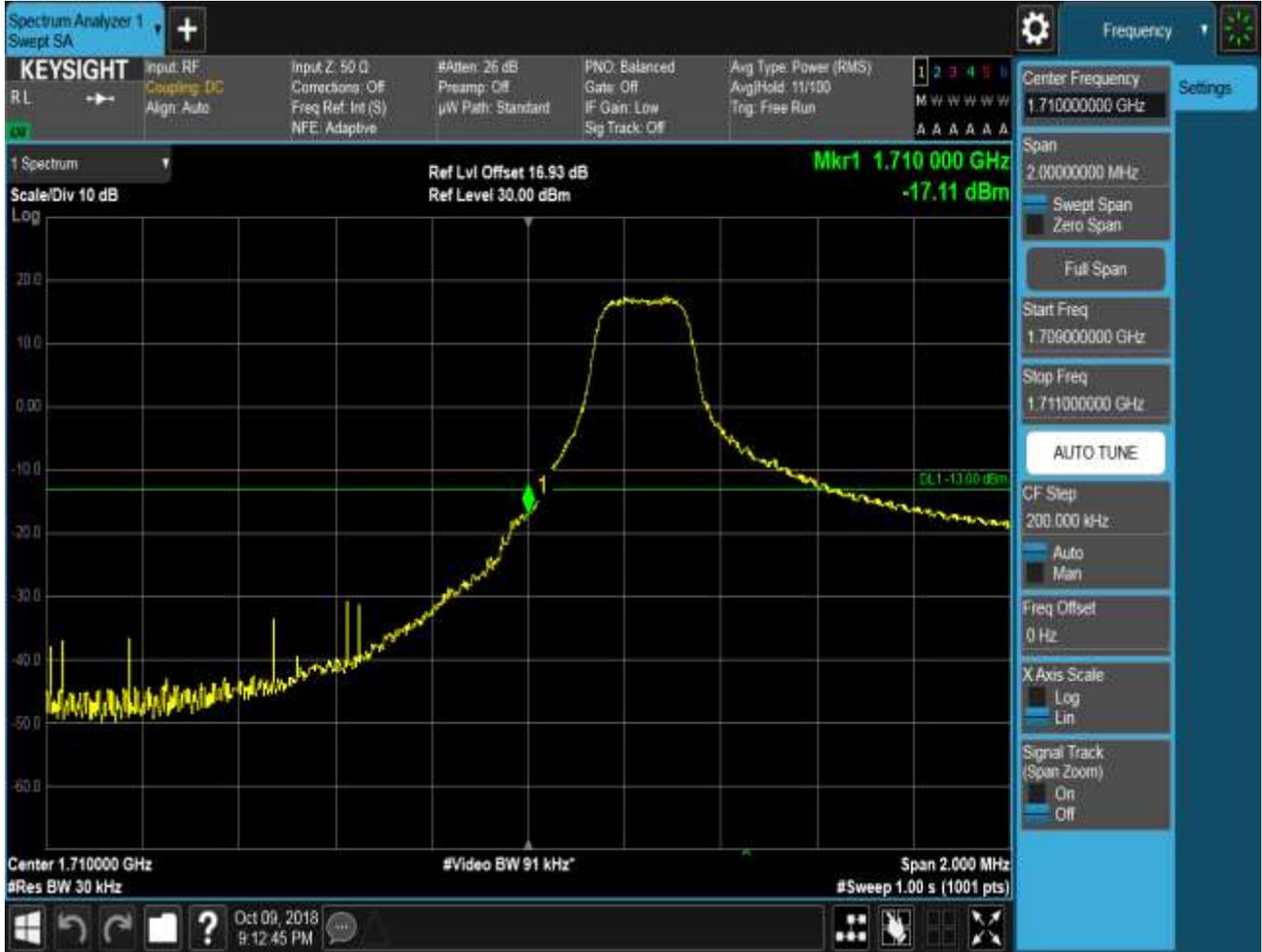
5.1.1.1.1.2.4 Test RB = RB6#0



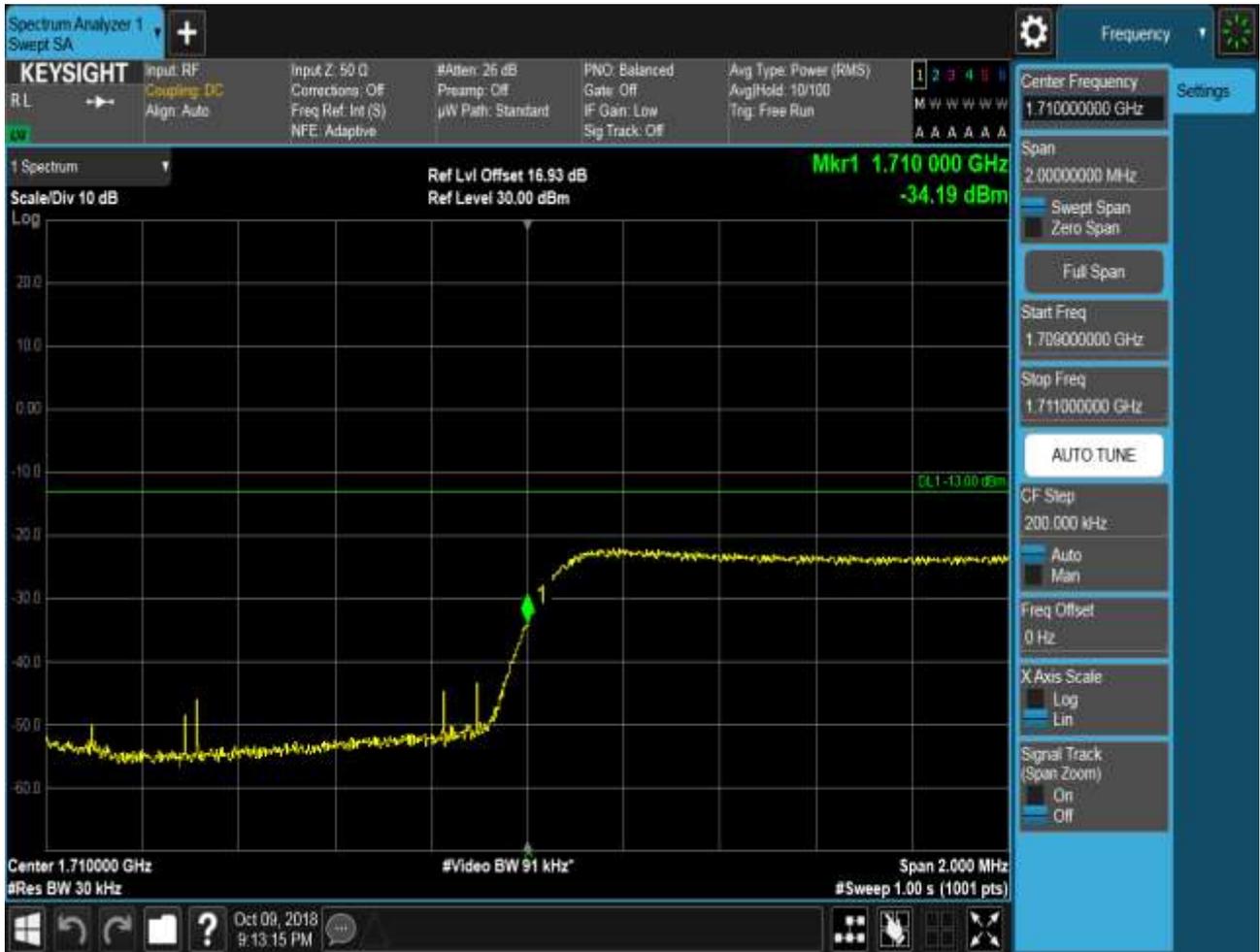
5.1.1.1.2 Test Bandwidth = 3

5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



5.1.1.1.2.1.2 Test RB = RB1#14





5.1.1.1.2.1.3 Test RB = RB8#4



5.1.1.1.2.1.4 Test RB = RB15#0





5.1.1.1.2.2 Test Channel = HCH

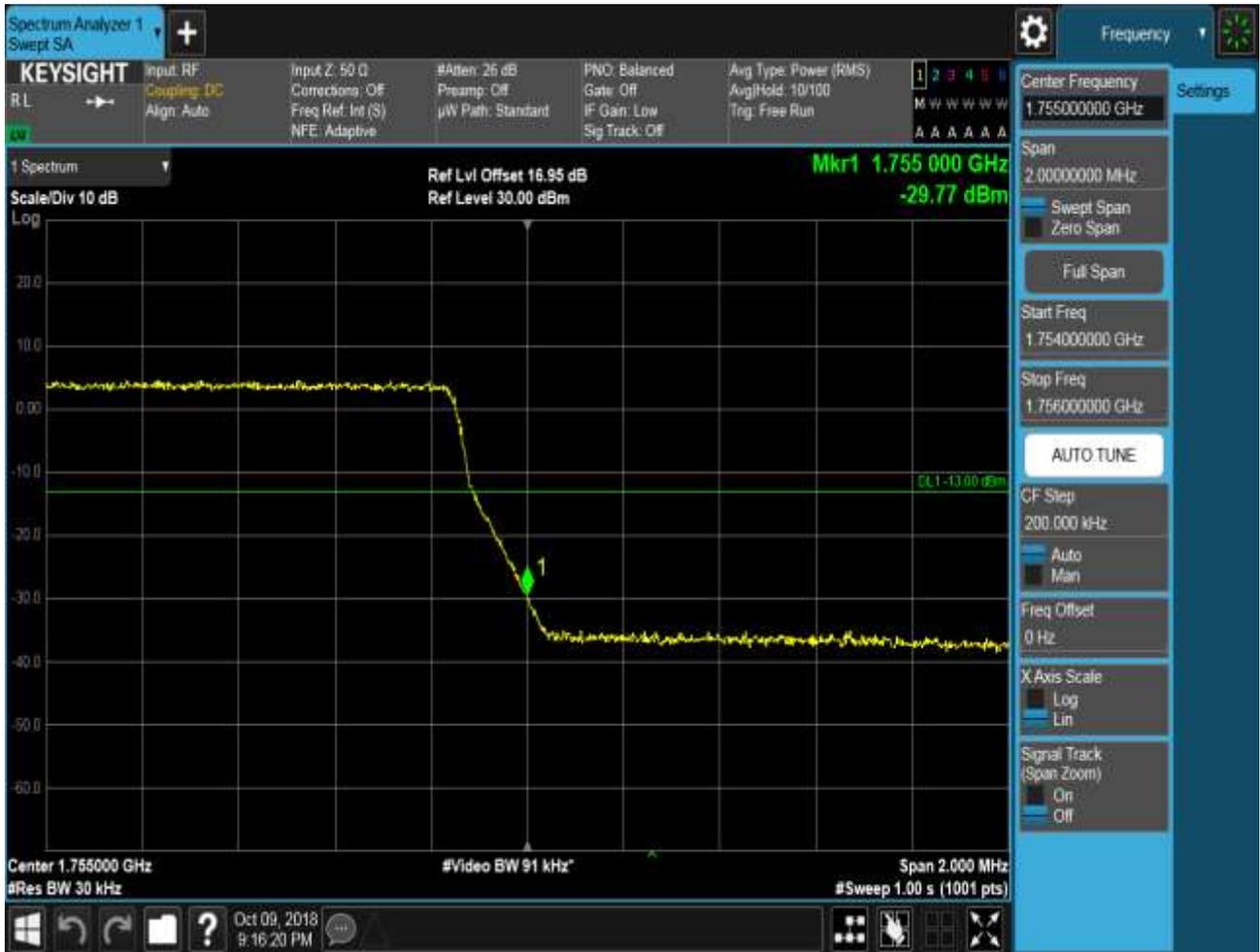
5.1.1.1.2.2.1 Test RB = RB1#0



5.1.1.1.2.3 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

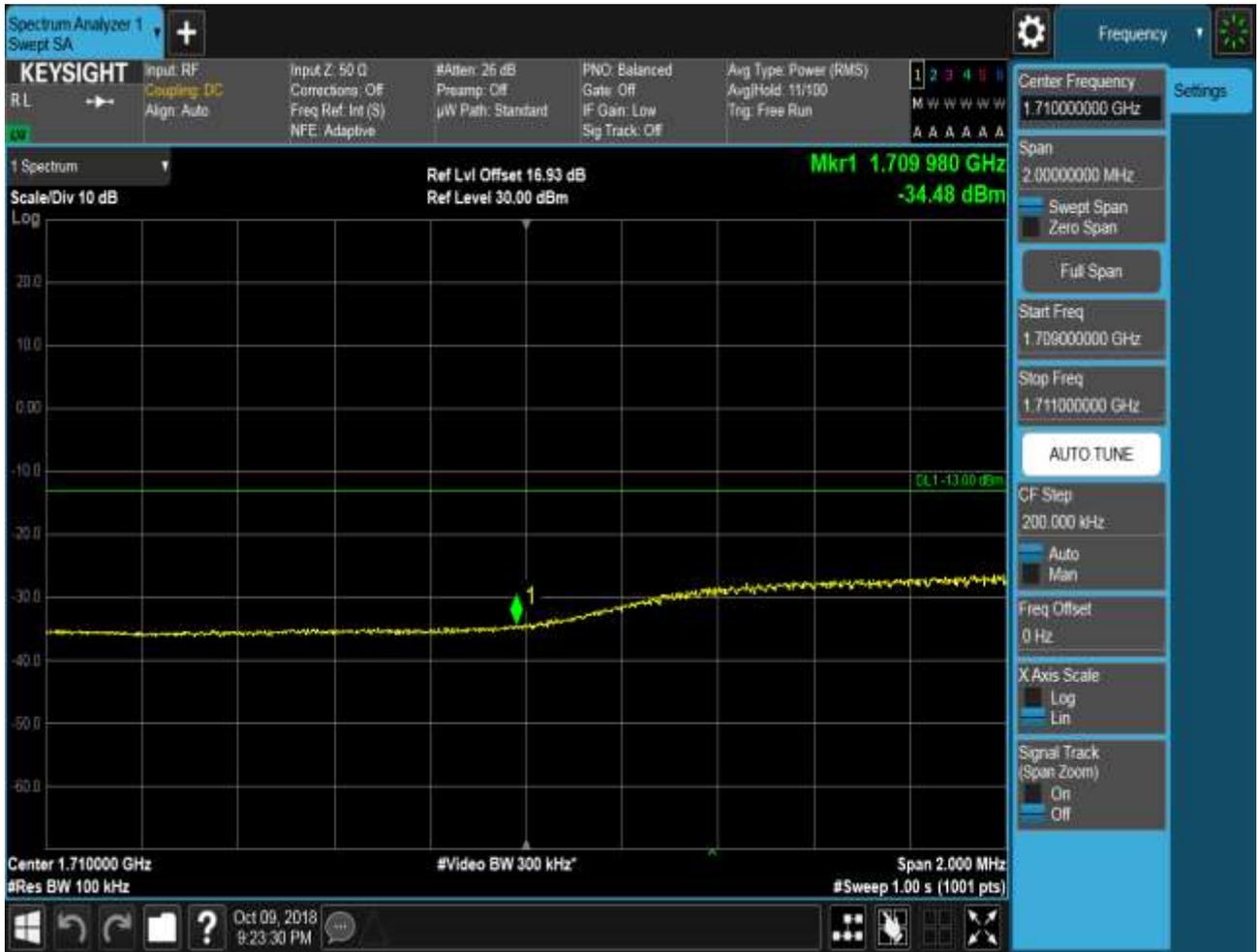


5.1.1.1.4.1.2 Test RB = RB1#49





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

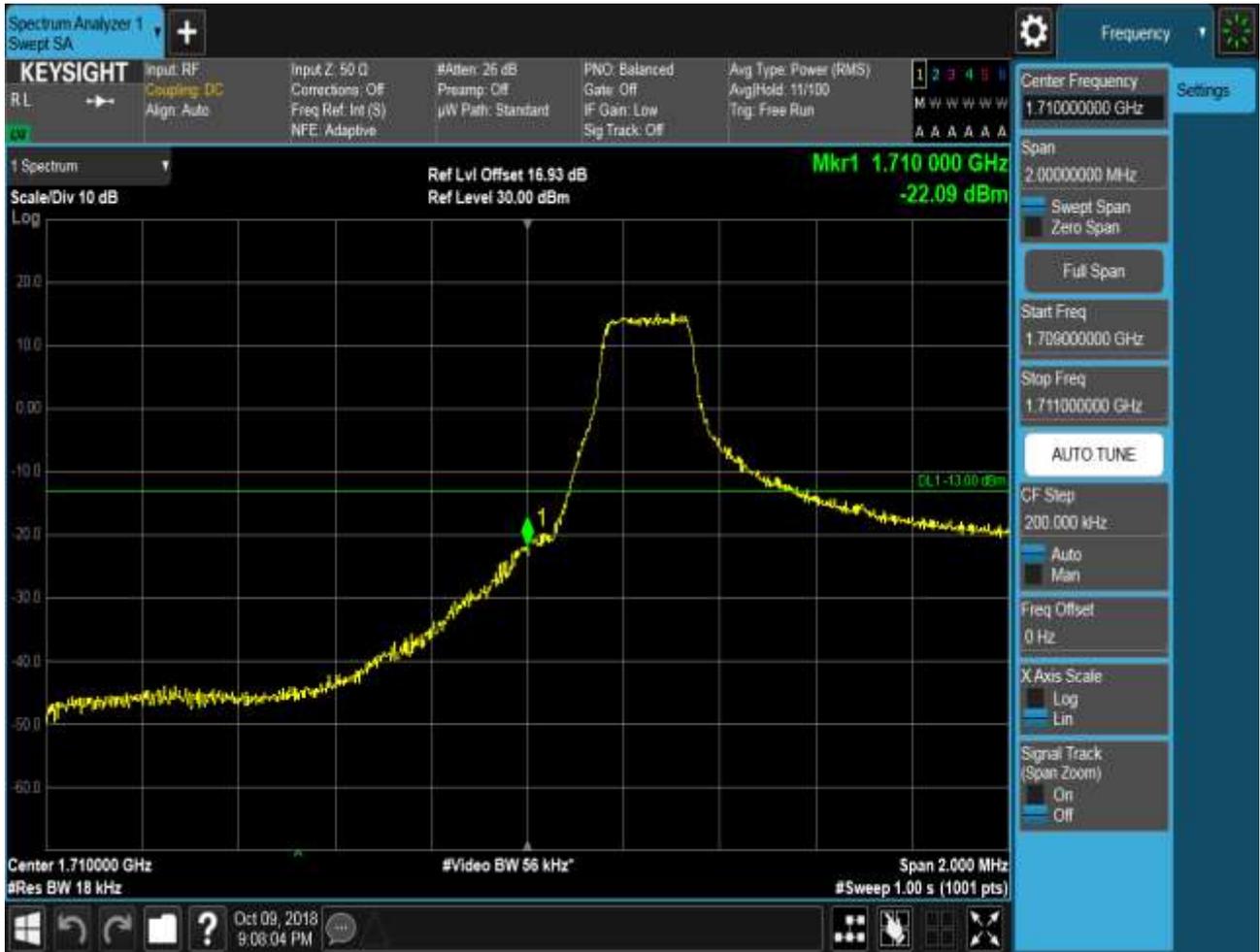


5.1.1.2 Test Mode = LTE/TM2

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

