



# 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	23.27	23.67	30	PASS
				RB1#3	22.86	23.26	30	PASS
				RB1#5	23.19	23.59	30	PASS
				RB3#0	23.16	23.56	30	PASS
				RB3#2	22.97	23.37	30	PASS
				RB3#3	23.25	23.65	30	PASS
				RB6#0	22.22	22.62	30	PASS
			MCH	RB1#0	23.32	23.72	30	PASS
				RB1#3	22.81	23.21	30	PASS
				RB1#5	23.42	23.82	30	PASS
				RB3#0	23.36	23.76	30	PASS
				RB3#2	23.24	23.64	30	PASS
				RB3#3	23.12	23.52	30	PASS
				RB6#0	21.92	22.32	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	23.19	23.59	30	PASS
				RB1#3	23.11	23.51	30	PASS
				RB1#5	23.14	23.54	30	PASS
				RB3#0	23.08	23.48	30	PASS
				RB3#2	22.99	23.39	30	PASS
				RB3#3	23.21	23.61	30	PASS
				RB6#0	22.26	22.66	30	PASS
		3	LCH	RB1#0	23.15	23.55	30	PASS
				RB1#7	22.21	22.61	30	PASS
				RB1#14	23.14	23.54	30	PASS
				RB8#0	22.12	22.52	30	PASS
				RB8#4	22.12	22.52	30	PASS
				RB8#7	22.11	22.51	30	PASS
				RB15#0	22.15	22.55	30	PASS
		MCH	RB1#0	23.48	23.88	30	PASS	
			RB1#7	22.48	22.88	30	PASS	
			RB1#14	23.30	23.70	30	PASS	



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#0	22.38	22.78	30	PASS
				RB8#4	22.34	22.74	30	PASS
				RB8#7	22.32	22.72	30	PASS
				RB15#0	22.39	22.79	30	PASS
			HCH	RB1#0	23.28	23.68	30	PASS
				RB1#7	22.18	22.58	30	PASS
				RB1#14	23.32	23.72	30	PASS
				RB8#0	22.15	22.55	30	PASS
				RB8#4	22.22	22.62	30	PASS
				RB8#7	22.26	22.66	30	PASS
				RB15#0	22.24	22.64	30	PASS
				5	LCH	RB1#0	23.13	23.53
		RB1#13	23.22			23.62	30	PASS
		RB1#24	23.22			23.62	30	PASS
		RB12#0	22.23			22.63	30	PASS
		RB12#6	22.17			22.57	30	PASS
		RB12#13	22.21			22.61	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#0	22.17	22.57	30	PASS
			MCH	RB1#0	23.23	23.63	30	PASS
				RB1#13	23.40	23.80	30	PASS
				RB1#24	23.32	23.72	30	PASS
				RB12#0	22.39	22.79	30	PASS
				RB12#6	22.40	22.80	30	PASS
				RB12#13	22.40	22.80	30	PASS
				RB25#0	22.35	22.75	30	PASS
				HCH	RB1#0	23.25	23.65	30
			RB1#13		23.28	23.68	30	PASS
			RB1#24		23.15	23.55	30	PASS
			RB12#0		22.24	22.64	30	PASS
			RB12#6		22.08	22.48	30	PASS
			RB12#13		22.19	22.59	30	PASS
			RB25#0		22.13	22.53	30	PASS
		10	LCH	RB1#0	23.11	23.51	30	PASS
				RB1#25	22.95	23.35	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#49	23.21	23.61	30	PASS
				RB25#0	22.25	22.65	30	PASS
				RB25#13	22.24	22.64	30	PASS
				RB25#25	22.22	22.62	30	PASS
				RB50#0	22.25	22.65	30	PASS
			MCH	RB1#0	23.28	23.68	30	PASS
				RB1#25	22.99	23.39	30	PASS
				RB1#49	23.35	23.75	30	PASS
				RB25#0	22.34	22.74	30	PASS
				RB25#13	22.34	22.74	30	PASS
				RB25#25	22.32	22.72	30	PASS
				RB50#0	22.34	22.74	30	PASS
			HCH	RB1#0	23.22	23.62	30	PASS
				RB1#25	22.95	23.35	30	PASS
				RB1#49	23.20	23.60	30	PASS
				RB25#0	22.31	22.71	30	PASS
				RB25#13	22.29	22.69	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#25	22.30	22.70	30	PASS
				RB50#0	22.24	22.64	30	PASS
		15	LCH	RB1#0	23.04	23.44	30	PASS
				RB1#38	23.24	23.64	30	PASS
				RB1#74	23.43	23.83	30	PASS
				RB38#0	22.36	22.76	30	PASS
				RB38#19	22.37	22.77	30	PASS
				RB38#39	22.40	22.80	30	PASS
				RB75#0	22.35	22.75	30	PASS
				MCH	RB1#0	23.28	23.68	30
			RB1#38		23.31	23.71	30	PASS
			RB1#74		23.21	23.61	30	PASS
			RB38#0		22.27	22.67	30	PASS
			RB38#19		22.27	22.67	30	PASS
							RB38#39	22.28
				RB75#0	22.23	22.63	30	PASS
HCH			RB1#0	23.27	23.67	30	PASS	



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#38	23.30	23.70	30	PASS
				RB1#74	23.18	23.58	30	PASS
				RB38#0	22.35	22.75	30	PASS
				RB38#19	22.30	22.70	30	PASS
				RB38#39	22.20	22.60	30	PASS
				RB75#0	22.26	22.66	30	PASS
		20	LCH	RB1#0	22.93	23.33	30	PASS
				RB1#50	22.80	23.20	30	PASS
				RB1#99	23.07	23.47	30	PASS
				RB50#0	22.30	22.70	30	PASS
				RB50#25	22.18	22.58	30	PASS
				RB50#50	22.26	22.66	30	PASS
				RB100#0	22.28	22.68	30	PASS
				MCH	RB1#0	23.05	23.45	30
		RB1#50	22.77		23.17	30	PASS	
		RB1#99	23.21		23.61	30	PASS	
RB50#0	22.46	22.86	30		PASS			





Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#25	22.34	22.74	30	PASS
				RB50#50	22.41	22.81	30	PASS
				RB100#0	22.42	22.82	30	PASS
			HCH	RB1#0	23.17	23.57	30	PASS
				RB1#50	22.87	23.27	30	PASS
				RB1#99	23.15	23.55	30	PASS
				RB50#0	22.43	22.83	30	PASS
				RB50#25	22.29	22.69	30	PASS
				RB50#50	22.32	22.72	30	PASS
				RB100#0	22.38	22.78	30	PASS
				LCH	RB1#0	22.38	22.78	30
			RB1#3		21.95	22.35	30	PASS
			RB1#5		22.34	22.74	30	PASS
			RB3#0		21.98	22.38	30	PASS
			RB3#2		22.06	22.46	30	PASS
RB3#3	22.11	22.51	30		PASS			
RB6#0	21.35	21.75	30		PASS			

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	22.44	22.84	30	PASS
				RB1#3	22.04	22.44	30	PASS
				RB1#5	22.78	23.18	30	PASS
				RB3#0	22.08	22.48	30	PASS
				RB3#2	22.22	22.62	30	PASS
				RB3#3	22.25	22.65	30	PASS
			RB6#0	21.16	21.56	30	PASS	
			HCH	RB1#0	22.26	22.66	30	PASS
				RB1#3	22.13	22.53	30	PASS
				RB1#5	22.64	23.04	30	PASS
				RB3#0	22.27	22.67	30	PASS
				RB3#2	22.11	22.51	30	PASS
		RB3#3		22.23	22.63	30	PASS	
		3	LCH	RB1#0	22.52	22.92	30	PASS
				RB1#7	21.93	22.33	30	PASS
				RB1#14	22.57	22.97	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#0	21.10	21.50	30	PASS
				RB8#4	21.13	21.53	30	PASS
				RB8#7	21.09	21.49	30	PASS
				RB15#0	21.13	21.53	30	PASS
			MCH	RB1#0	22.64	23.04	30	PASS
				RB1#7	22.27	22.67	30	PASS
				RB1#14	22.43	22.83	30	PASS
				RB8#0	21.43	21.83	30	PASS
				RB8#4	21.37	21.77	30	PASS
				RB8#7	21.42	21.82	30	PASS
				RB15#0	21.37	21.77	30	PASS
			HCH	RB1#0	22.42	22.82	30	PASS
				RB1#7	21.89	22.29	30	PASS
				RB1#14	22.15	22.55	30	PASS
				RB8#0	21.19	21.59	30	PASS
				RB8#4	21.12	21.52	30	PASS
				RB8#7	21.16	21.56	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB15#0	21.21	21.61	30	PASS
		5	LCH	RB1#0	22.55	22.95	30	PASS
				RB1#13	22.61	23.01	30	PASS
				RB1#24	22.61	23.01	30	PASS
				RB12#0	21.22	21.62	30	PASS
				RB12#6	21.24	21.64	30	PASS
				RB12#13	21.15	21.55	30	PASS
				RB25#0	21.11	21.51	30	PASS
				MCH	RB1#0	22.65	23.05	30
			RB1#13		22.62	23.02	30	PASS
			RB1#24		22.57	22.97	30	PASS
			RB12#0		21.43	21.83	30	PASS
			RB12#6		21.32	21.72	30	PASS
			RB12#13		21.37	21.77	30	PASS
			RB25#0		21.32	21.72	30	PASS
			HCH	RB1#0	22.59	22.99	30	PASS
		RB1#13		22.58	22.98	30	PASS	



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict	
				RB1#24	22.45	22.85	30	PASS	
				RB12#0	21.21	21.61	30	PASS	
				RB12#6	21.19	21.59	30	PASS	
				RB12#13	21.11	21.51	30	PASS	
				RB25#0	21.09	21.49	30	PASS	
		10	LCH	RB1#0	22.38	22.78	30	PASS	
				RB1#25	22.22	22.62	30	PASS	
				RB1#49	22.57	22.97	30	PASS	
				RB25#0	21.21	21.61	30	PASS	
				RB25#13	21.21	21.61	30	PASS	
				RB25#25	21.18	21.58	30	PASS	
				RB50#0	21.19	21.59	30	PASS	
				MCH	RB1#0	22.40	22.80	30	PASS
					RB1#25	22.34	22.74	30	PASS
					RB1#49	22.46	22.86	30	PASS
		RB25#0	21.30		21.70	30	PASS		
		RB25#13	21.26		21.66	30	PASS		



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#25	21.29	21.69	30	PASS
				RB50#0	21.29	21.69	30	PASS
			HCH	RB1#0	22.75	23.15	30	PASS
				RB1#25	22.45	22.85	30	PASS
				RB1#49	22.74	23.14	30	PASS
				RB25#0	21.23	21.63	30	PASS
				RB25#13	21.18	21.58	30	PASS
				RB25#25	21.21	21.61	30	PASS
			RB50#0	21.05	21.45	30	PASS	
			15	LCH	RB1#0	22.33	22.73	30
		RB1#38			22.40	22.80	30	PASS
		RB1#74			22.71	23.11	30	PASS
		RB38#0			21.33	21.73	30	PASS
		RB38#19			21.30	21.70	30	PASS
		RB38#39			21.41	21.81	30	PASS
RB75#0	21.29	21.69			30	PASS		
MCH	RB1#0	22.67	23.07	30	PASS			



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#38	22.67	23.07	30	PASS
				RB1#74	22.54	22.94	30	PASS
				RB38#0	21.27	21.67	30	PASS
				RB38#19	21.28	21.68	30	PASS
				RB38#39	21.27	21.67	30	PASS
				RB75#0	21.20	21.60	30	PASS
			HCH	RB1#0	22.48	22.88	30	PASS
				RB1#38	22.62	23.02	30	PASS
				RB1#74	22.34	22.74	30	PASS
				RB38#0	21.35	21.75	30	PASS
				RB38#19	21.30	21.70	30	PASS
				RB38#39	21.19	21.59	30	PASS
		LCH	RB1#0	22.35	22.75	30	PASS	
			RB1#50	22.33	22.73	30	PASS	
			RB1#99	22.37	22.77	30	PASS	
			RB50#0	21.27	21.67	30	PASS	
		20						



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#25	21.15	21.55	30	PASS
				RB50#50	21.19	21.59	30	PASS
				RB100#0	21.18	21.58	30	PASS
			MCH	RB1#0	22.59	22.99	30	PASS
				RB1#50	22.29	22.69	30	PASS
				RB1#99	22.54	22.94	30	PASS
				RB50#0	21.32	21.72	30	PASS
				RB50#25	21.26	21.66	30	PASS
				RB50#50	21.31	21.71	30	PASS
				RB100#0	21.36	21.76	30	PASS
			HCH	RB1#0	22.52	22.92	30	PASS
				RB1#50	22.38	22.78	30	PASS
				RB1#99	22.47	22.87	30	PASS
				RB50#0	21.36	21.76	30	PASS
				RB50#25	21.27	21.67	30	PASS
				RB50#50	21.29	21.69	30	PASS
				RB100#0	21.32	21.72	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:

$$\text{SET Span} = 1.5 * \text{OBW}$$

SET RBW = 1% 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	4.95	13	PASS
				RB1#3	5.62	13	PASS
				RB1#5	4.79	13	PASS
				RB3#0	5.15	13	PASS
				RB3#2	5.58	13	PASS
				RB3#3	5.10	13	PASS
			RB6#0	5.97	13	PASS	
			MCH	RB1#0	5.92	13	PASS
				RB1#3	5.48	13	PASS
				RB1#5	5.33	13	PASS
				RB3#0	6.29	13	PASS
				RB3#2	6.04	13	PASS
		RB3#3		5.97	13	PASS	
		HCH	RB6#0	6.21	13	PASS	
			RB1#0	5.56	13	PASS	
			RB1#3	5.30	13	PASS	
			RB1#5	5.33	13	PASS	
			RB3#0	6.14	13	PASS	
			RB3#2	6.10	13	PASS	
		3	LCH	RB3#3	6.02	13	PASS
				RB6#0	6.07	13	PASS
				RB1#0	5.22	13	PASS
				RB1#7	5.51	13	PASS
				RB1#14	5.16	13	PASS
RB8#0	5.71			13	PASS		
MCH	RB8#4		5.71	13	PASS		
	RB8#7		5.70	13	PASS		
	RB15#0		6.03	13	PASS		
	RB1#0		5.62	13	PASS		
	RB1#7		4.67	13	PASS		
	RB1#14		4.75	13	PASS		
RB8#0	5.90	13	PASS				
RB8#4	5.82	13	PASS				
RB8#7	5.84	13	PASS				

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			HCH	RB15#0	6.00	13	PASS
				RB1#0	5.04	13	PASS
				RB1#7	5.03	13	PASS
				RB1#14	5.77	13	PASS
				RB8#0	6.13	13	PASS
				RB8#4	6.36	13	PASS
				RB8#7	6.32	13	PASS
				RB15#0	6.17	13	PASS
		5	LCH	RB1#0	4.93	13	PASS
				RB1#13	5.04	13	PASS
				RB1#24	5.20	13	PASS
				RB12#0	5.98	13	PASS
				RB12#6	6.02	13	PASS
				RB12#13	6.18	13	PASS
				RB25#0	6.16	13	PASS
			MCH	RB1#0	5.93	13	PASS
				RB1#13	5.59	13	PASS
				RB1#24	5.65	13	PASS
				RB12#0	6.24	13	PASS
				RB12#6	6.19	13	PASS
				RB12#13	6.09	13	PASS
				RB25#0	6.04	13	PASS
		HCH	RB1#0	5.56	13	PASS	
			RB1#13	5.35	13	PASS	
			RB1#24	5.46	13	PASS	
			RB12#0	6.50	13	PASS	
			RB12#6	6.54	13	PASS	
			RB12#13	6.37	13	PASS	
			RB25#0	6.60	13	PASS	
		10	LCH	RB1#0	4.72	13	PASS
RB1#25	5.35			13	PASS		
RB1#49	5.46			13	PASS		
RB25#0	6.09			13	PASS		
RB25#13	6.27			13	PASS		
RB25#25	6.48			13	PASS		
RB50#0	6.22			13	PASS		
MCH	RB1#0		5.45	13	PASS		
	RB1#25		5.63	13	PASS		
	RB1#49		5.49	13	PASS		

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#0	6.20	13	PASS
				RB25#13	6.07	13	PASS
				RB25#25	6.05	13	PASS
				RB50#0	6.04	13	PASS
			HCH	RB1#0	5.73	13	PASS
				RB1#25	5.77	13	PASS
				RB1#49	5.66	13	PASS
				RB25#0	6.67	13	PASS
				RB25#13	6.58	13	PASS
				RB25#25	6.77	13	PASS
				RB50#0	6.71	13	PASS
				LCH	RB1#0	5.16	13
			RB1#38		5.56	13	PASS
			RB1#74		5.69	13	PASS
		RB38#0	6.34		13	PASS	
		RB38#19	6.65		13	PASS	
		RB38#39	6.91		13	PASS	
		RB75#0	6.55		13	PASS	
		MCH	RB1#0	5.32	13	PASS	
			RB1#38	5.13	13	PASS	
			RB1#74	4.96	13	PASS	
			RB38#0	6.28	13	PASS	
			RB38#19	6.51	13	PASS	
			RB38#39	6.29	13	PASS	
			RB75#0	6.49	13	PASS	
		HCH	RB1#0	5.47	13	PASS	
			RB1#38	5.62	13	PASS	
			RB1#74	5.65	13	PASS	
			RB38#0	6.57	13	PASS	
			RB38#19	6.73	13	PASS	
			RB38#39	6.76	13	PASS	
			RB75#0	6.87	13	PASS	
20	LCH	RB1#0	5.39	13	PASS		
		RB1#50	5.92	13	PASS		
		RB1#99	5.57	13	PASS		
		RB50#0	6.29	13	PASS		
		RB50#25	6.65	13	PASS		
		RB50#50	6.34	13	PASS		
		RB100#0	6.59	13	PASS		



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
			MCH	RB1#0	5.59	13	PASS	
				RB1#50	5.58	13	PASS	
				RB1#99	5.53	13	PASS	
				RB50#0	6.45	13	PASS	
				RB50#25	6.33	13	PASS	
				RB50#50	6.42	13	PASS	
				RB100#0	6.53	13	PASS	
			HCH	RB1#0	4.98	13	PASS	
				RB1#50	5.19	13	PASS	
				RB1#99	5.41	13	PASS	
				RB50#0	6.60	13	PASS	
				RB50#25	6.91	13	PASS	
				RB50#50	6.87	13	PASS	
				RB100#0	6.70	13	PASS	
			1.4	LCH	RB1#0	5.98	13	PASS
					RB1#3	6.07	13	PASS
					RB1#5	5.70	13	PASS
					RB3#0	6.14	13	PASS
					RB3#2	6.39	13	PASS
					RB3#3	6.29	13	PASS
					RB6#0	6.73	13	PASS
				MCH	RB1#0	5.67	13	PASS
					RB1#3	6.22	13	PASS
					RB1#5	6.10	13	PASS
					RB3#0	6.43	13	PASS
					RB3#2	6.52	13	PASS
					RB3#3	6.72	13	PASS
					RB6#0	7.02	13	PASS
HCH	RB1#0	5.95	13	PASS				
	RB1#3	6.06	13	PASS				
	RB1#5	6.03	13	PASS				
	RB3#0	7.18	13	PASS				
	RB3#2	7.18	13	PASS				
	RB3#3	7.21	13	PASS				
	RB6#0	7.04	13	PASS				
		3	LCH	RB1#0	5.61	13	PASS	
				RB1#7	5.82	13	PASS	
				RB1#14	5.36	13	PASS	
				RB8#0	7.02	13	PASS	

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
				RB8#4	6.95	13	PASS	
				RB8#7	7.00	13	PASS	
				RB15#0	6.40	13	PASS	
			MCH	RB1#0	6.78	13	PASS	
				RB1#7	6.04	13	PASS	
				RB1#14	6.97	13	PASS	
				RB8#0	6.56	13	PASS	
				RB8#4	6.48	13	PASS	
				RB8#7	6.53	13	PASS	
			HCH	RB15#0	6.66	13	PASS	
				RB1#0	6.34	13	PASS	
				RB1#7	6.14	13	PASS	
				RB1#14	6.30	13	PASS	
			5	LCH	RB8#0	7.39	13	PASS
					RB8#4	7.35	13	PASS
		RB8#7			7.41	13	PASS	
		RB15#0			6.88	13	PASS	
		RB1#0			5.38	13	PASS	
		RB1#13			5.49	13	PASS	
		RB1#24			5.61	13	PASS	
		MCH		RB12#0	6.80	13	PASS	
				RB12#6	6.65	13	PASS	
				RB12#13	6.96	13	PASS	
				RB25#0	7.18	13	PASS	
				RB1#0	6.19	13	PASS	
				RB1#13	6.01	13	PASS	
				RB1#24	5.95	13	PASS	
		HCH	RB12#0	6.81	13	PASS		
			RB12#6	6.70	13	PASS		
			RB12#13	6.70	13	PASS		
RB25#0	6.67		13	PASS				
RB1#0	6.57		13	PASS				
RB1#13	6.36		13	PASS				
RB1#24	6.43		13	PASS				
10	LCH	RB1#0	5.62	13	PASS			

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		15		RB1#25	5.98	13	PASS
				RB1#49	6.44	13	PASS
				RB25#0	6.87	13	PASS
				RB25#13	6.96	13	PASS
				RB25#25	7.18	13	PASS
				RB50#0	7.12	13	PASS
			MCH	RB1#0	5.93	13	PASS
				RB1#25	5.80	13	PASS
				RB1#49	5.73	13	PASS
				RB25#0	6.93	13	PASS
				RB25#13	6.70	13	PASS
				RB25#25	6.80	13	PASS
			HCH	RB50#0	6.87	13	PASS
				RB1#0	6.62	13	PASS
				RB1#25	6.53	13	PASS
				RB1#49	6.50	13	PASS
				RB25#0	7.38	13	PASS
				RB25#13	7.37	13	PASS
		15	LCH	RB25#25	7.60	13	PASS
				RB50#0	7.59	13	PASS
				RB1#0	5.65	13	PASS
				RB1#38	5.94	13	PASS
				RB1#74	6.12	13	PASS
				RB38#0	7.05	13	PASS
			MCH	RB38#19	7.32	13	PASS
				RB38#39	7.48	13	PASS
				RB75#0	7.33	13	PASS
				RB1#0	6.79	13	PASS
				RB1#38	6.60	13	PASS
				RB1#74	6.51	13	PASS
HCH	RB38#0	6.95	13	PASS			
	RB38#19	7.04	13	PASS			
	RB38#39	7.03	13	PASS			
	RB75#0	7.18	13	PASS			
	RB38#19	7.56	13	PASS			

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB38#39	7.58	13	PASS
				RB75#0	7.66	13	PASS
		20	LCH	RB1#0	5.94	13	PASS
				RB1#50	6.69	13	PASS
				RB1#99	6.55	13	PASS
				RB50#0	7.19	13	PASS
				RB50#25	7.42	13	PASS
				RB50#50	7.34	13	PASS
				RB100#0	7.22	13	PASS
				MCH	RB1#0	6.04	13
			RB1#50		5.73	13	PASS
			RB1#99		5.99	13	PASS
			RB50#0		7.08	13	PASS
			RB50#25		6.93	13	PASS
			RB50#50		7.02	13	PASS
			HCH	RB100#0	7.31	13	PASS
				RB1#0	6.38	13	PASS
				RB1#50	6.53	13	PASS
				RB1#99	6.67	13	PASS
				RB50#0	7.14	13	PASS
RB50#25	7.37	13		PASS			
				RB50#50	7.54	13	PASS
				RB100#0	7.45	13	PASS



## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

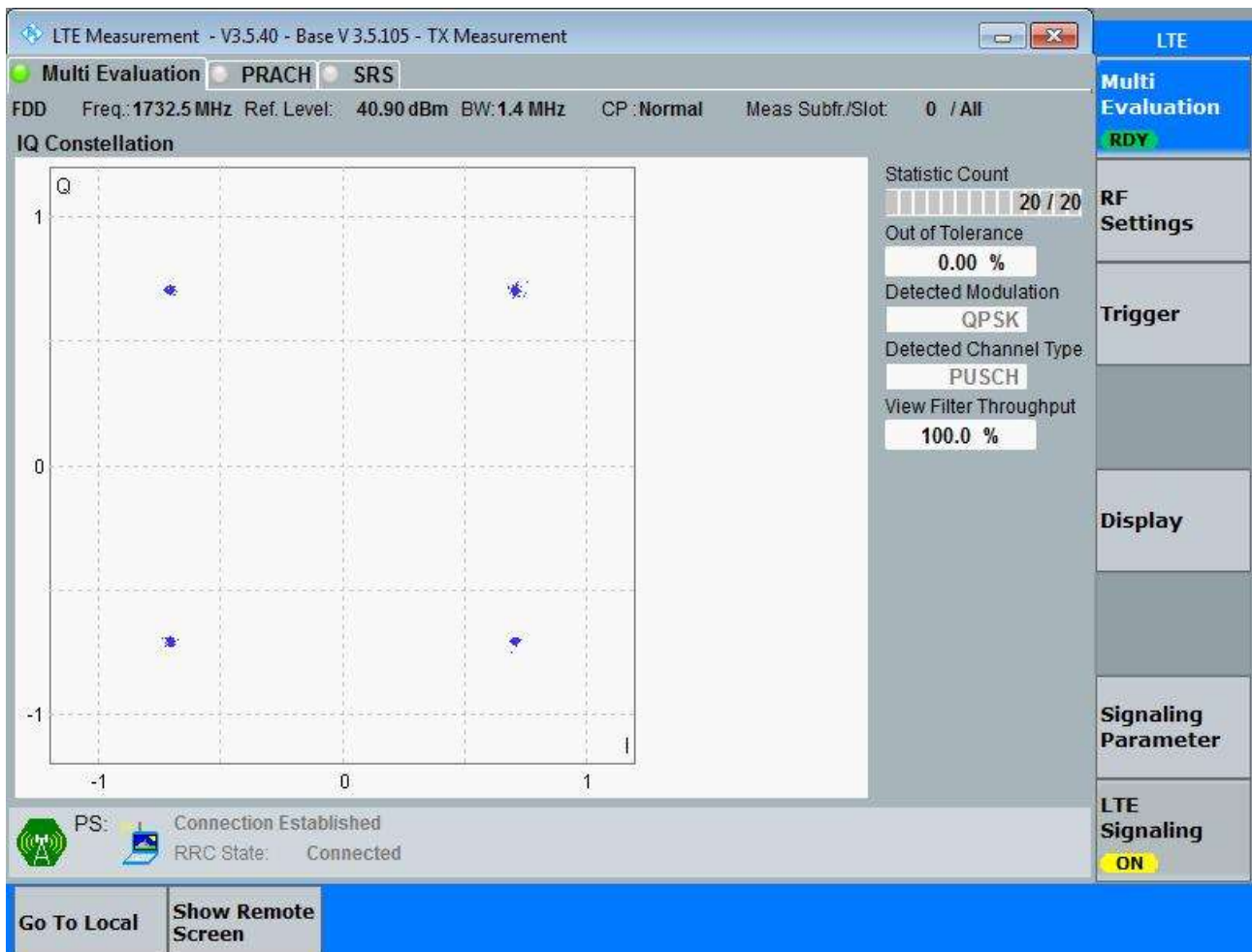
##### 3.1.1 Test Band = Band4

##### 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

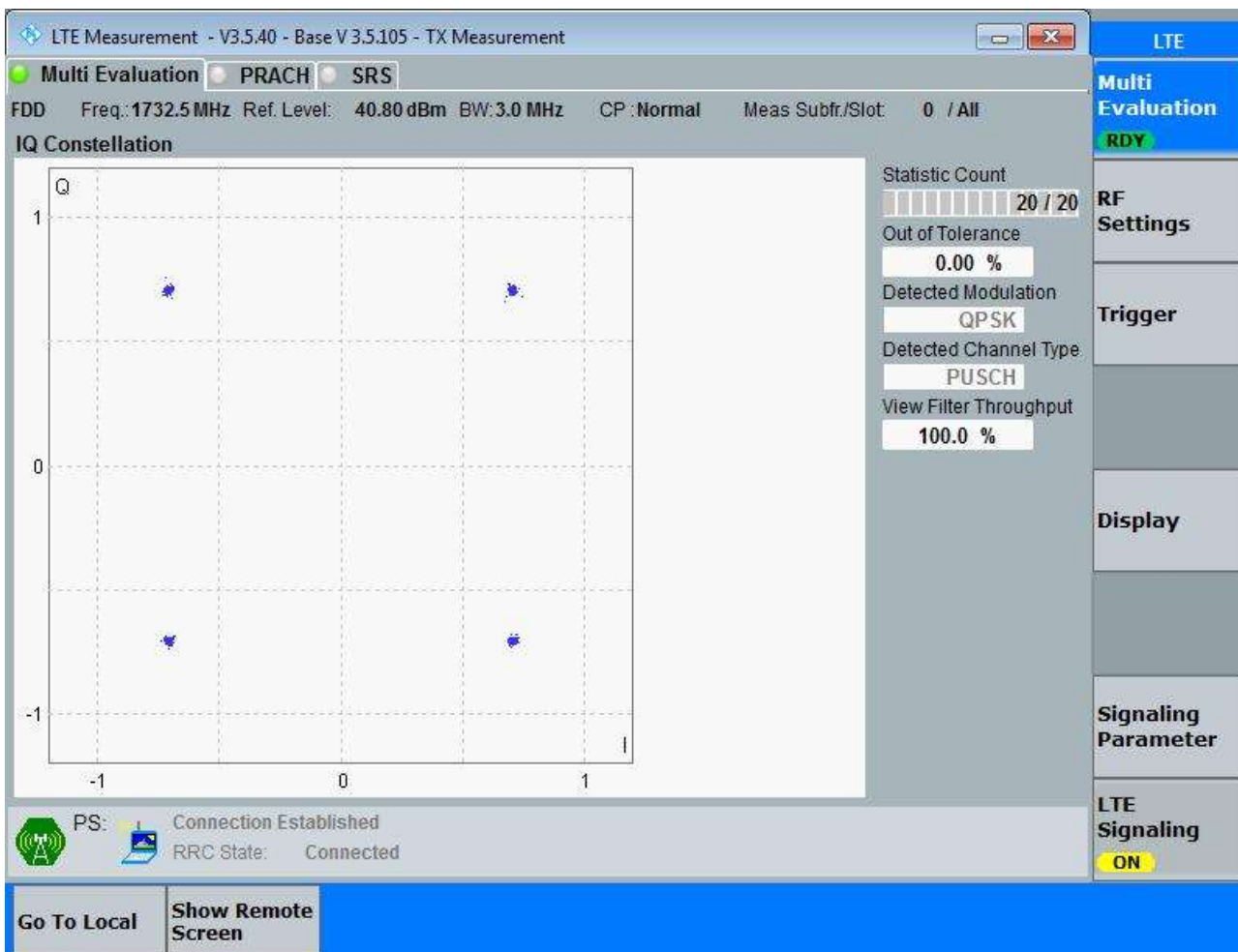
##### 3.1.1.1.1.1.1 Test RB = RB6#0



### 3.1.1.1.2 Test Bandwidth = 3

#### 3.1.1.1.2.1 Test Channel = MCH

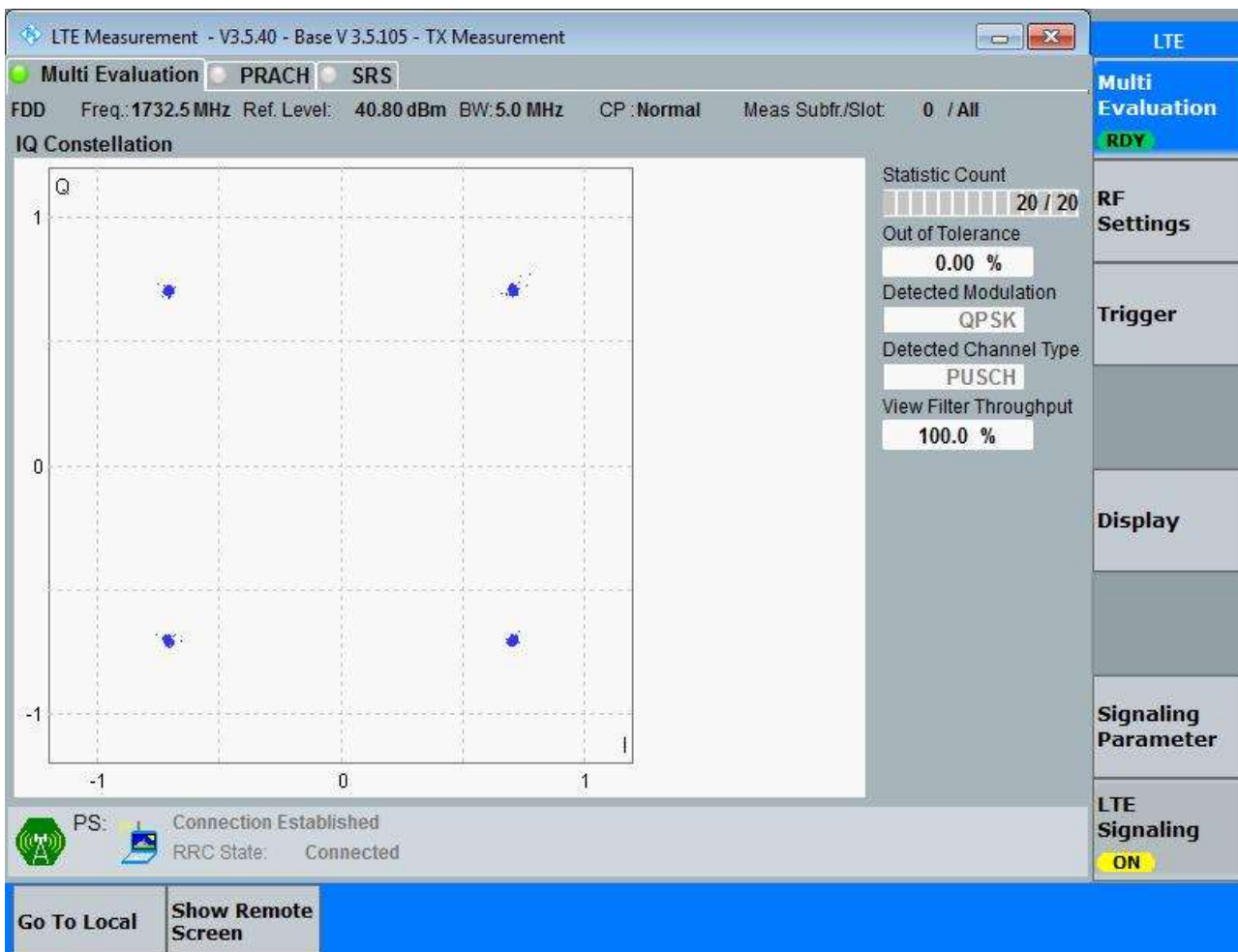
##### 3.1.1.1.2.1.1 Test RB = RB15#0



### 3.1.1.1.3 Test Bandwidth = 5

#### 3.1.1.1.3.1 Test Channel = MCH

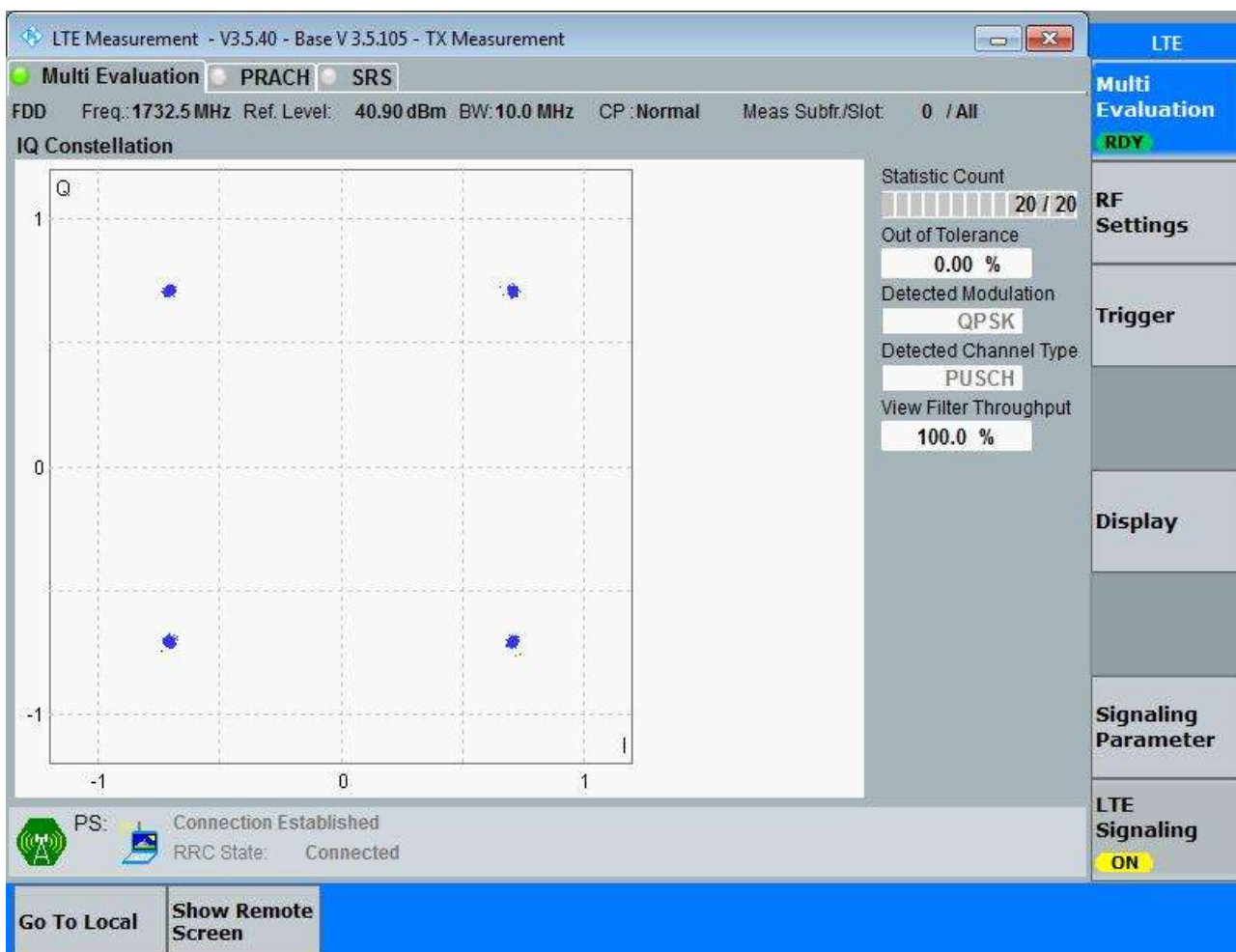
##### 3.1.1.1.3.1.1 Test RB = RB25#0



### 3.1.1.1.4 Test Bandwidth = 10

#### 3.1.1.1.4.1 Test Channel = MCH

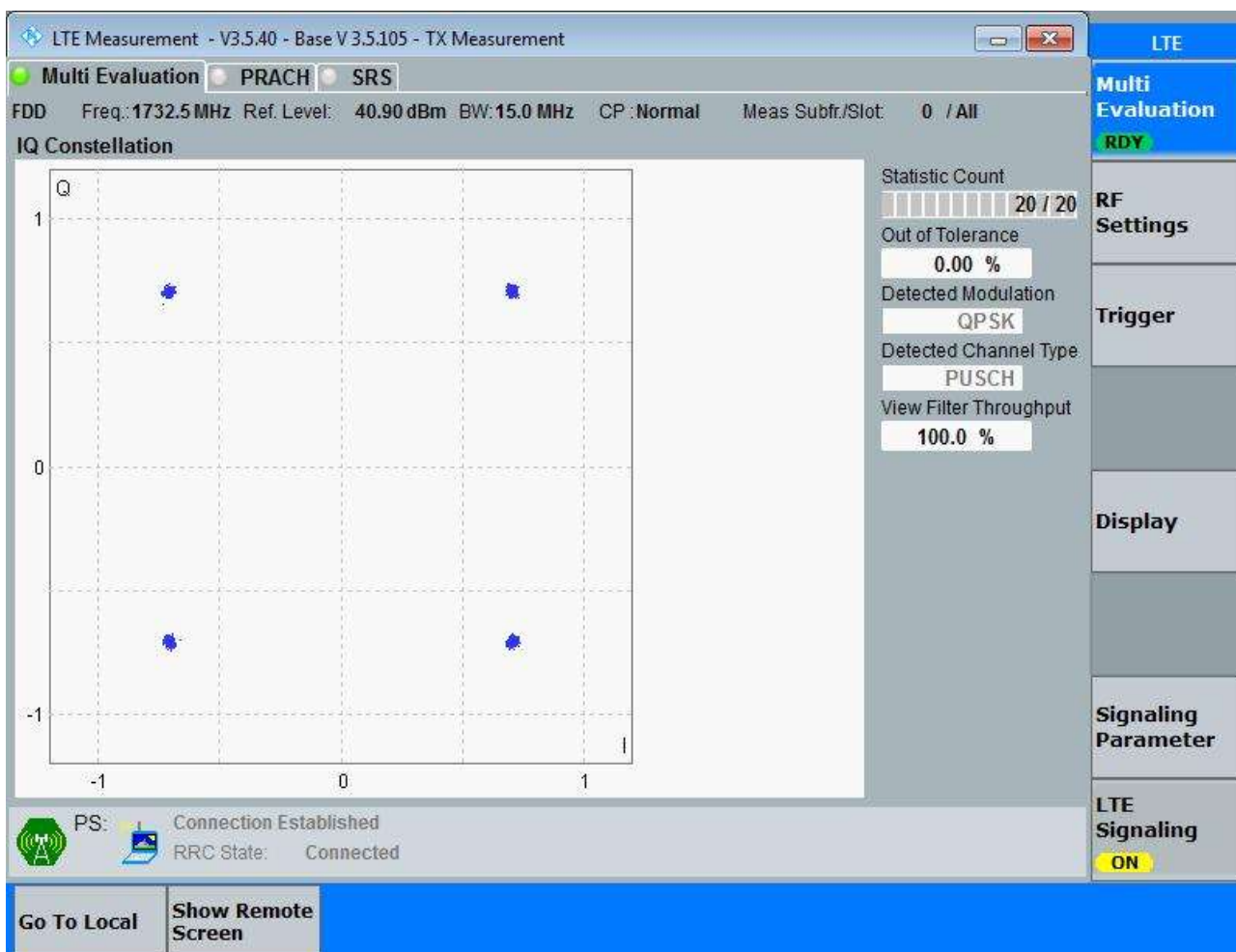
##### 3.1.1.1.4.1.1 Test RB = RB50#0



### 3.1.1.1.5 Test Bandwidth = 15

#### 3.1.1.1.5.1 Test Channel = MCH

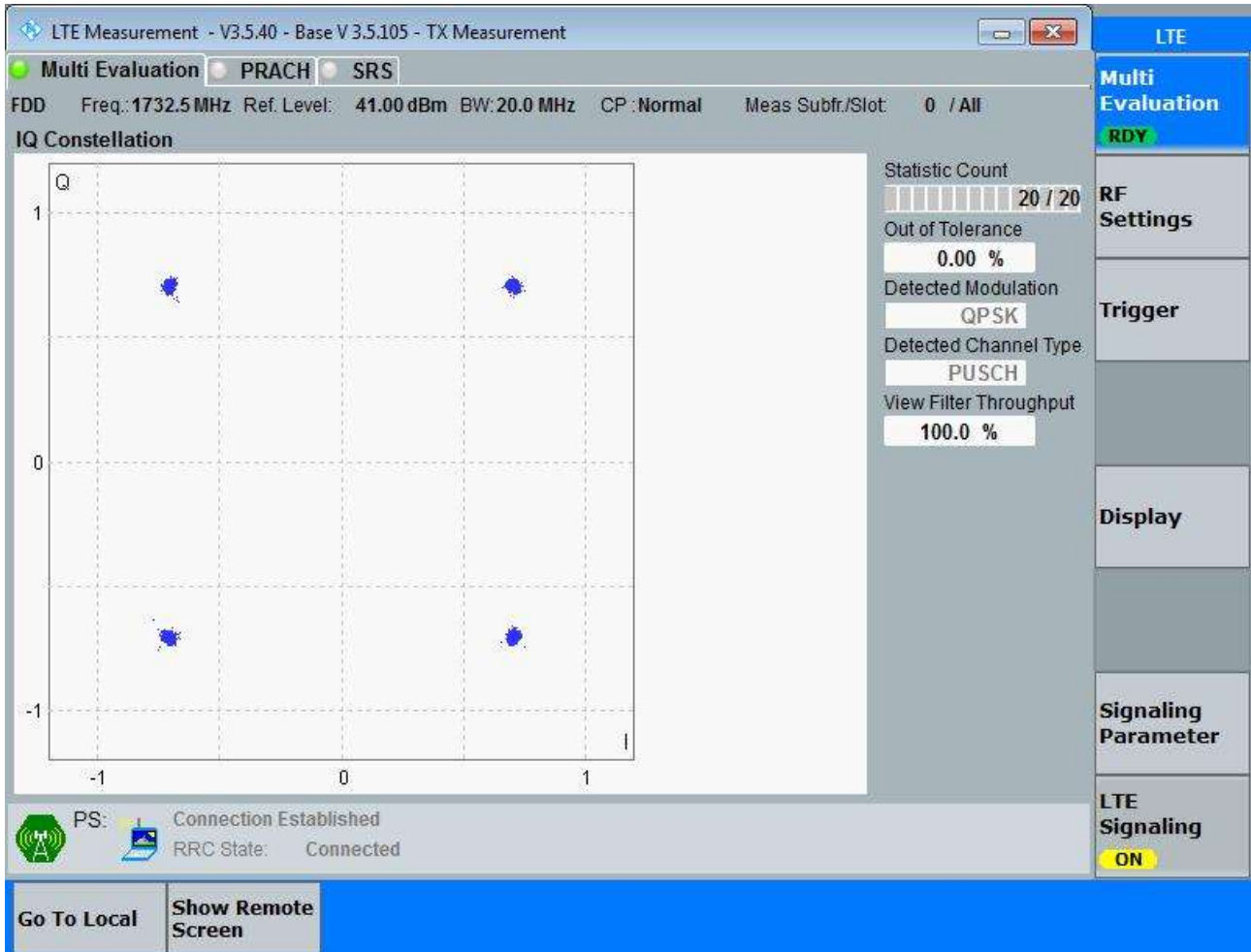
##### 3.1.1.1.5.1.1 Test RB = RB75#0



### 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



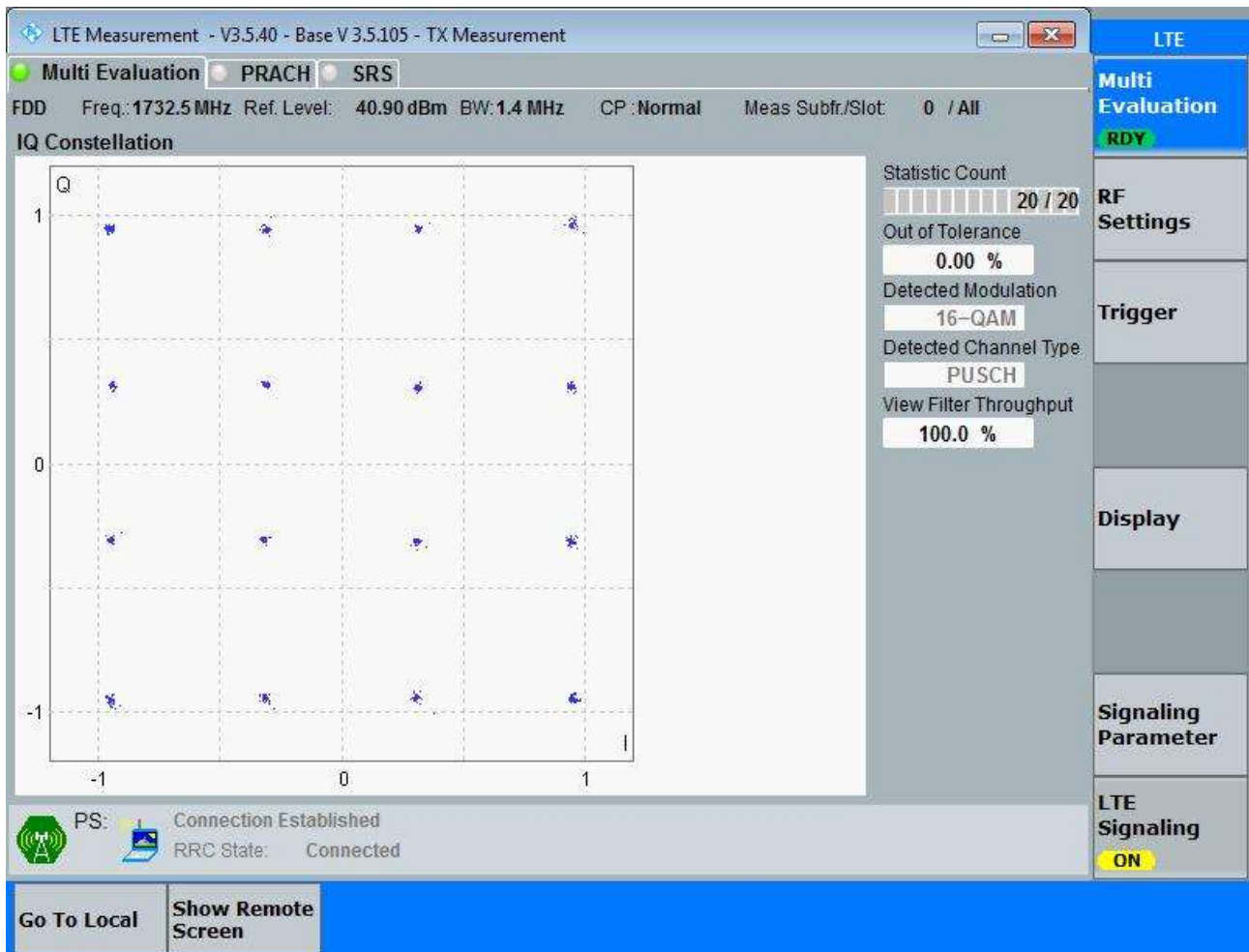


### 3.1.1.2 Test Mode = LTE/TM2

#### 3.1.1.2.1 Test Bandwidth = 1.4

##### 3.1.1.2.1.1 Test Channel = MCH

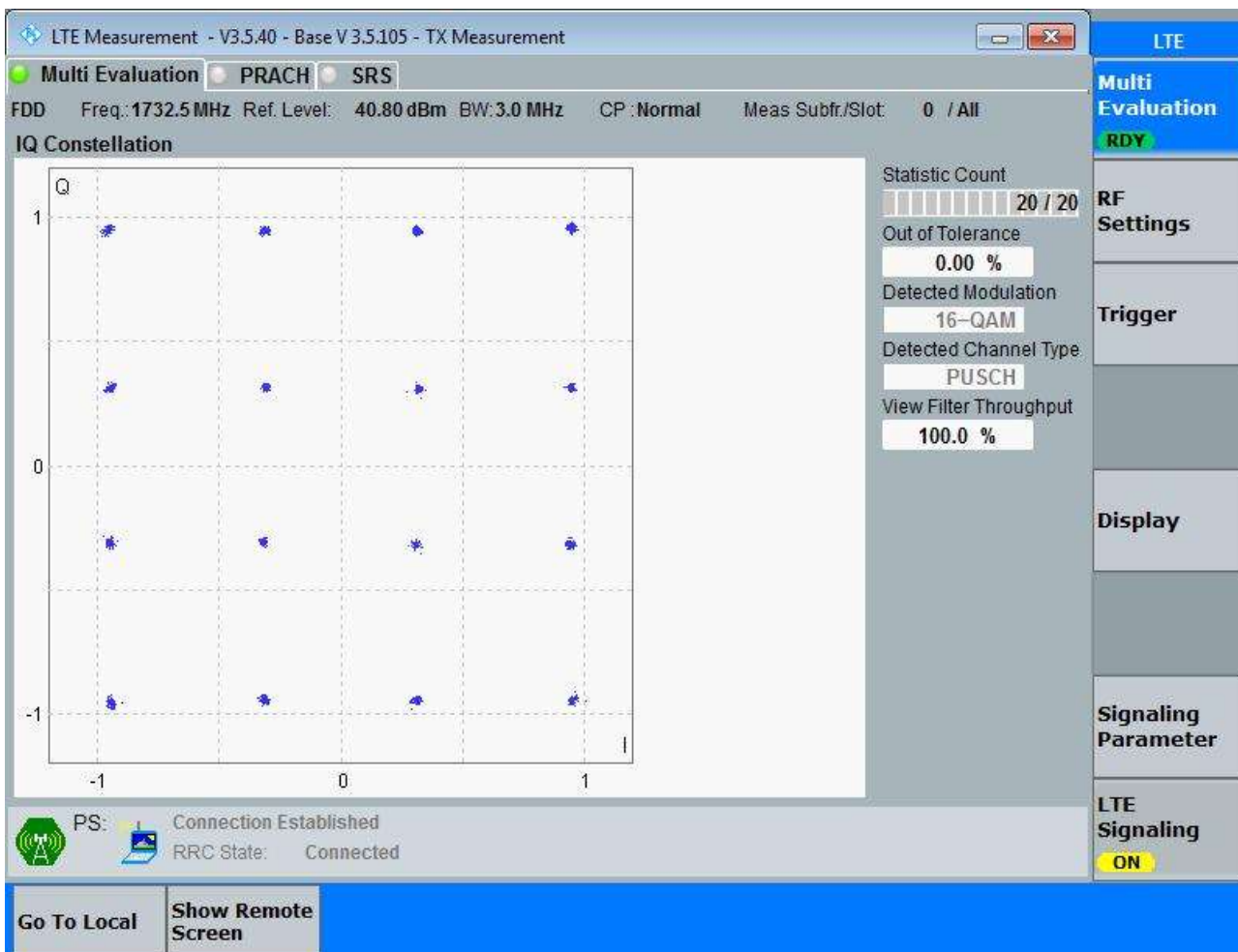
###### 3.1.1.2.1.1.1 Test RB = RB6#0



### 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

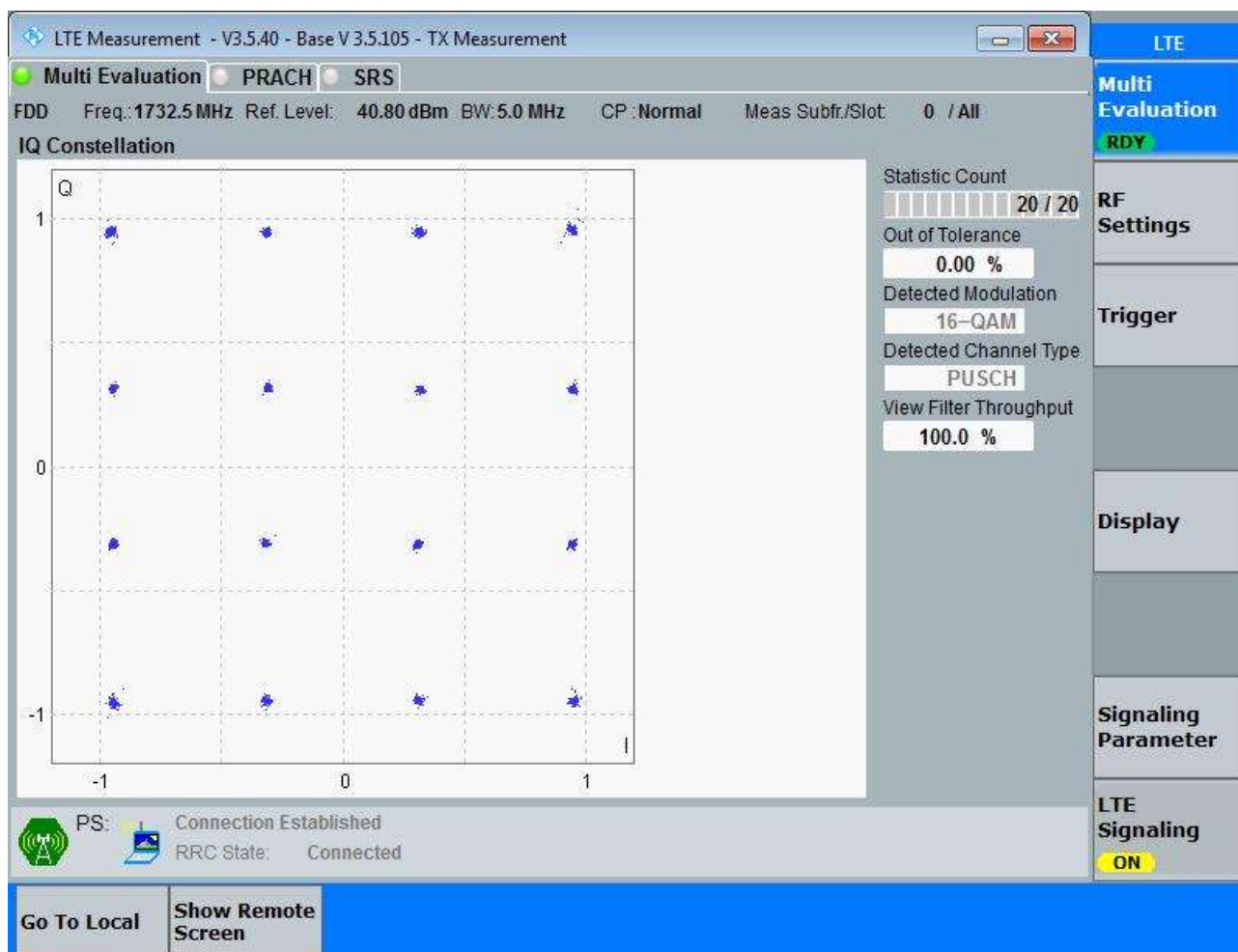




### 3.1.1.2.3 Test Bandwidth = 5

#### 3.1.1.2.3.1 Test Channel = MCH

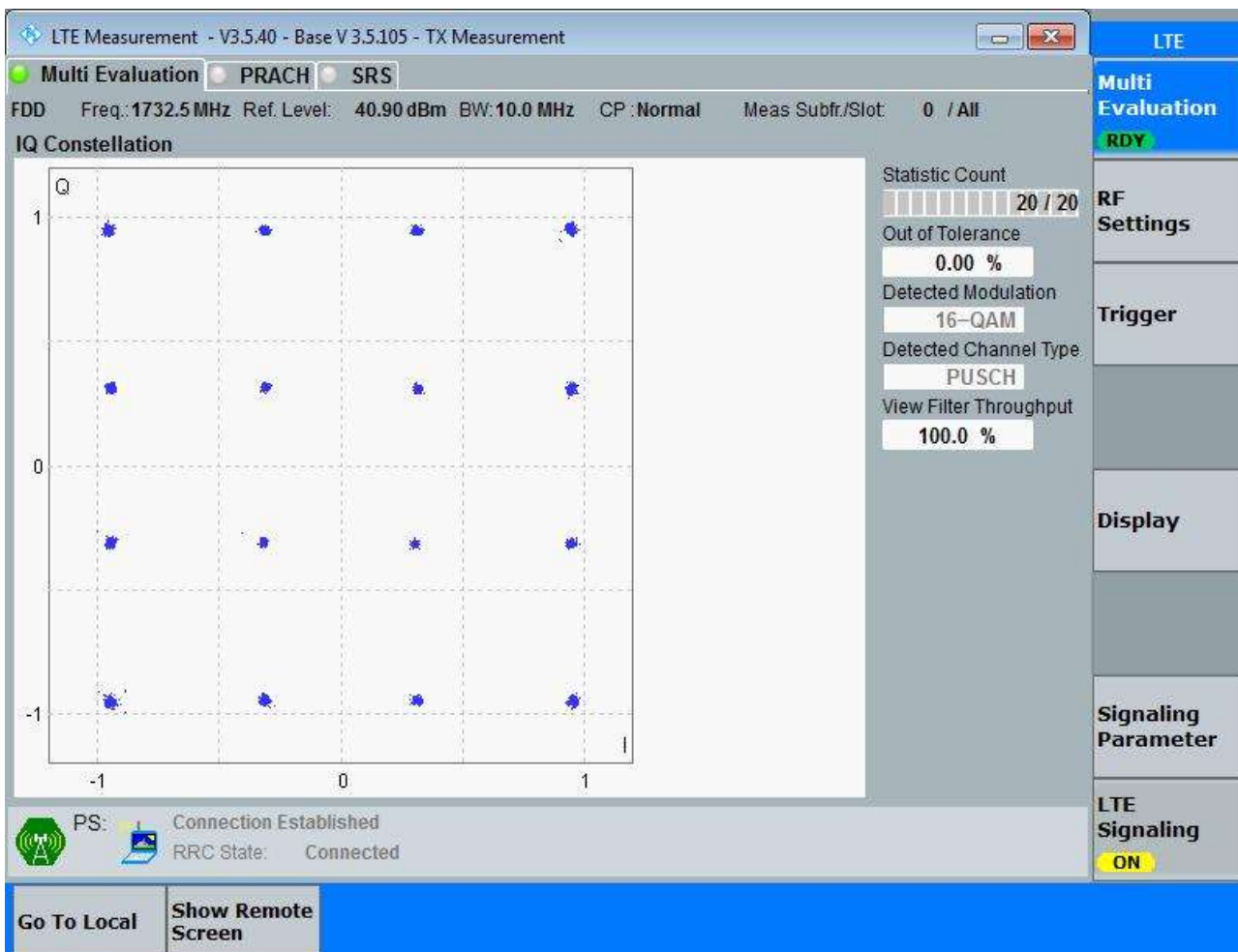
##### 3.1.1.2.3.1.1 Test RB = RB25#0



### 3.1.1.2.4 Test Bandwidth = 10

#### 3.1.1.2.4.1 Test Channel = MCH

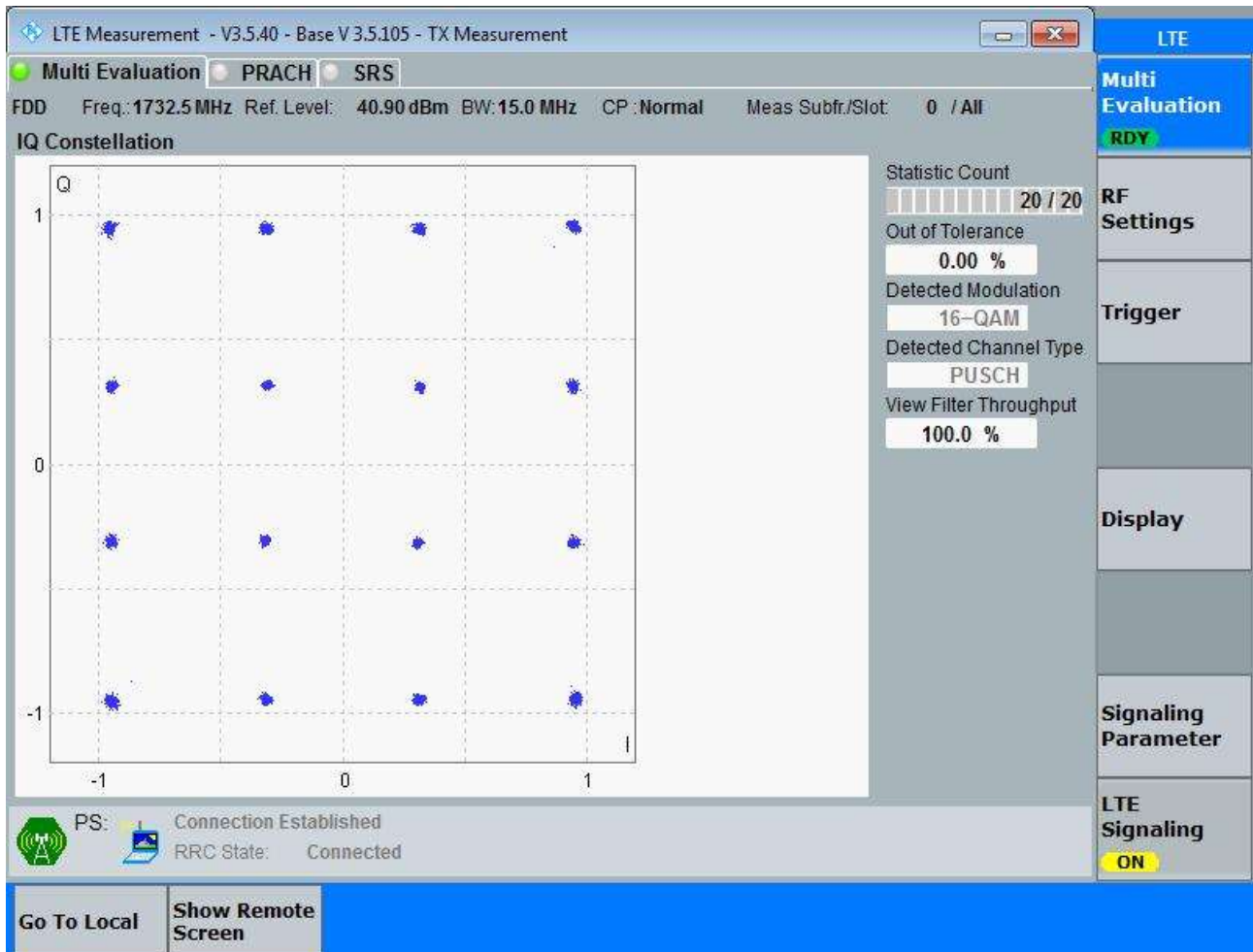
##### 3.1.1.2.4.1.1 Test RB = RB50#0



### 3.1.1.2.5 Test Bandwidth = 15

#### 3.1.1.2.5.1 Test Channel = MCH

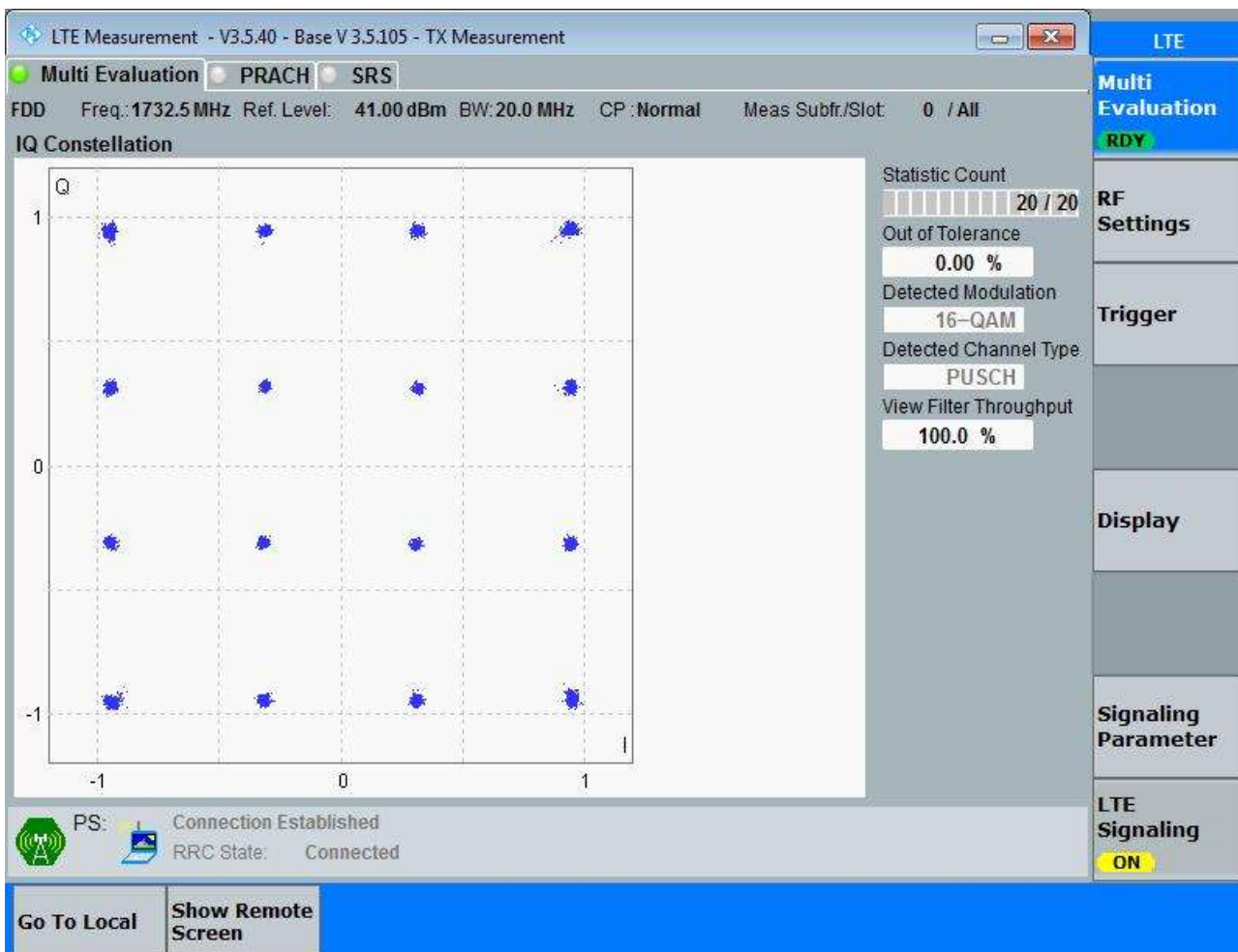
##### 3.1.1.2.5.1.1 Test RB = RB75#0



### 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	1.25	Pass
			MCH	RB6#0	1.09	1.24	Pass
			HCH	RB6#0	1.09	1.23	Pass
		3	LCH	RB15#0	2.71	2.97	Pass
			MCH	RB15#0	2.70	2.98	Pass
			HCH	RB15#0	2.71	2.97	Pass
		5	LCH	RB25#0	4.52	4.98	Pass
			MCH	RB25#0	4.52	4.97	Pass
			HCH	RB25#0	4.52	4.95	Pass
		10	LCH	RB50#0	9.01	9.91	Pass
			MCH	RB50#0	8.99	9.85	Pass
			HCH	RB50#0	9.00	9.84	Pass
		15	LCH	RB75#0	13.52	14.97	Pass
			MCH	RB75#0	13.49	15.01	Pass
			HCH	RB75#0	13.52	15.10	Pass
		20	LCH	RB100#0	18.05	19.85	Pass
			MCH	RB100#0	17.97	19.71	Pass
			HCH	RB100#0	18.01	19.77	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.10	1.24	Pass
			MCH	RB6#0	1.09	1.24	Pass
			HCH	RB6#0	1.09	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	2.97	Pass
		5	LCH	RB25#0	4.52	4.98	Pass
			MCH	RB25#0	4.52	4.97	Pass
			HCH	RB25#0	4.52	4.99	Pass
10		LCH	RB50#0	8.99	9.88	Pass	
		MCH	RB50#0	8.98	9.88	Pass	
		HCH	RB50#0	8.99	9.91	Pass	
15		LCH	RB75#0	13.53	14.94	Pass	
		MCH	RB75#0	13.50	14.85	Pass	
		HCH	RB75#0	13.51	15.02	Pass	
20		LCH	RB100#0	18.03	19.64	Pass	



Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
			MCH	RB100#0	17.95	19.59	Pass
			HCH	RB100#0	18.03	19.68	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

## 4.1.1.2.2.1 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





## 5.1.1.1.1.2 Test RB = RB1#5



## 5.1.1.1.1.3 Test RB = RB3#2



## 5.1.1.1.1.4 Test RB = RB6#0





## 5.1.1.1.1.2 Test Channel = HCH

## 5.1.1.1.1.2.1 Test RB = RB1#0



### 5.1.1.1.2.2 Test RB = RB1#5





## 5.1.1.1.1.2.3 Test RB = RB3#2



## 5.1.1.1.2.4 Test RB = RB6#0



### 5.1.1.1.2 Test Bandwidth = 3

#### 5.1.1.1.2.1 Test Channel = LCH

##### 5.1.1.1.2.1.1 Test RB = RB1#0



## 5.1.1.1.2.1.2 Test RB = RB1#14



## 5.1.1.1.2.1.3 Test RB = RB8#4



## 5.1.1.1.2.1.4 Test RB = RB15#0





## 5.1.1.1.2.2 Test Channel = HCH

## 5.1.1.1.2.2.1 Test RB = RB1#0







## 5.1.1.1.2.2.3 Test RB = RB8#4



### 5.1.1.1.2.2.4 Test RB = RB15#0



### 5.1.1.1.3 Test Bandwidth = 5

#### 5.1.1.1.3.1 Test Channel = LCH

##### 5.1.1.1.3.1.1 Test RB = RB1#0



## 5.1.1.1.3.1.2 Test RB = RB1#24



## 5.1.1.1.3.1.3 Test RB = RB12#6



## 5.1.1.1.3.1.4 Test RB = RB25#0





### 5.1.1.1.3.2 Test Channel = HCH

#### 5.1.1.1.3.2.1 Test RB = RB1#0



## 5.1.1.1.3.2.2 Test RB = RB1#24





## 5.1.1.1.3.2.3 Test RB = RB12#6



## 5.1.1.1.3.2.4 Test RB = RB25#0



### 5.1.1.1.4 Test Bandwidth = 10

#### 5.1.1.1.4.1 Test Channel = LCH

##### 5.1.1.1.4.1.1 Test RB = RB1#0



## 5.1.1.1.4.1.2 Test RB = RB1#49



## 5.1.1.1.4.1.3 Test RB = RB25#13



## 5.1.1.1.4.1.4 Test RB = RB50#0





## 5.1.1.1.4.2 Test Channel = HCH

## 5.1.1.1.4.2.1 Test RB = RB1#0





## 5.1.1.1.4.2.2 Test RB = RB1#49



## 5.1.1.1.4.2.3 Test RB = RB25#13



## 5.1.1.1.4.2.4 Test RB = RB50#0



### 5.1.1.1.5 Test Bandwidth = 15

#### 5.1.1.1.5.1 Test Channel = LCH

##### 5.1.1.1.5.1.1 Test RB = RB1#0



## 5.1.1.1.5.1.2 Test RB = RB1#74



## 5.1.1.1.5.1.3 Test RB = RB38#19





## 5.1.1.1.5.1.4 Test RB = RB75#0





## 5.1.1.1.5.2 Test Channel = HCH

## 5.1.1.1.5.2.1 Test RB = RB1#0



## 5.1.1.1.5.2.2 Test RB = RB1#74



## 5.1.1.1.5.2.3 Test RB = RB38#19



## 5.1.1.1.5.2.4 Test RB = RB75#0



### 5.1.1.1.6 Test Bandwidth = 20

#### 5.1.1.1.6.1 Test Channel = LCH

##### 5.1.1.1.6.1.1 Test RB = RB1#0



## 5.1.1.1.6.1.2 Test RB = RB1#99





## 5.1.1.1.6.1.3 Test RB = RB50#25





## 5.1.1.1.6.1.4 Test RB = RB100#0



## 5.1.1.1.6.2 Test Channel = HCH

## 5.1.1.1.6.2.1 Test RB = RB1#0



## 5.1.1.1.6.2.2 Test RB = RB1#99



## 5.1.1.1.6.2.3 Test RB = RB50#25



### 5.1.1.1.6.2.4 Test RB = RB100#0



### 5.1.1.2 Test Mode = LTE/TM2

#### 5.1.1.2.1 Test Bandwidth = 1.4

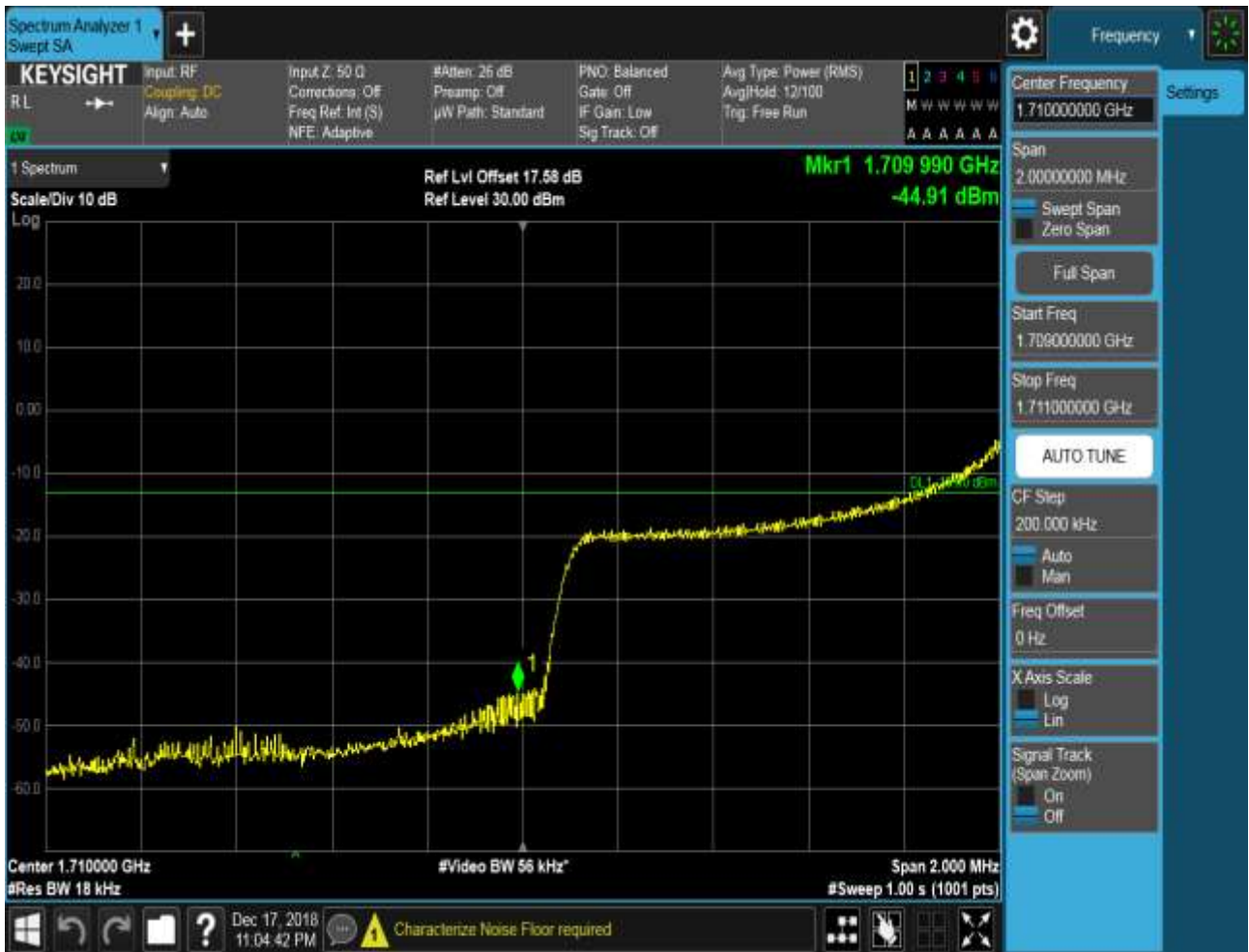
##### 5.1.1.2.1.1 Test Channel = LCH

##### 5.1.1.2.1.1.1 Test RB = RB1#0





## 5.1.1.2.1.1.2 Test RB = RB1#5





## 5.1.1.2.1.1.3 Test RB = RB3#2

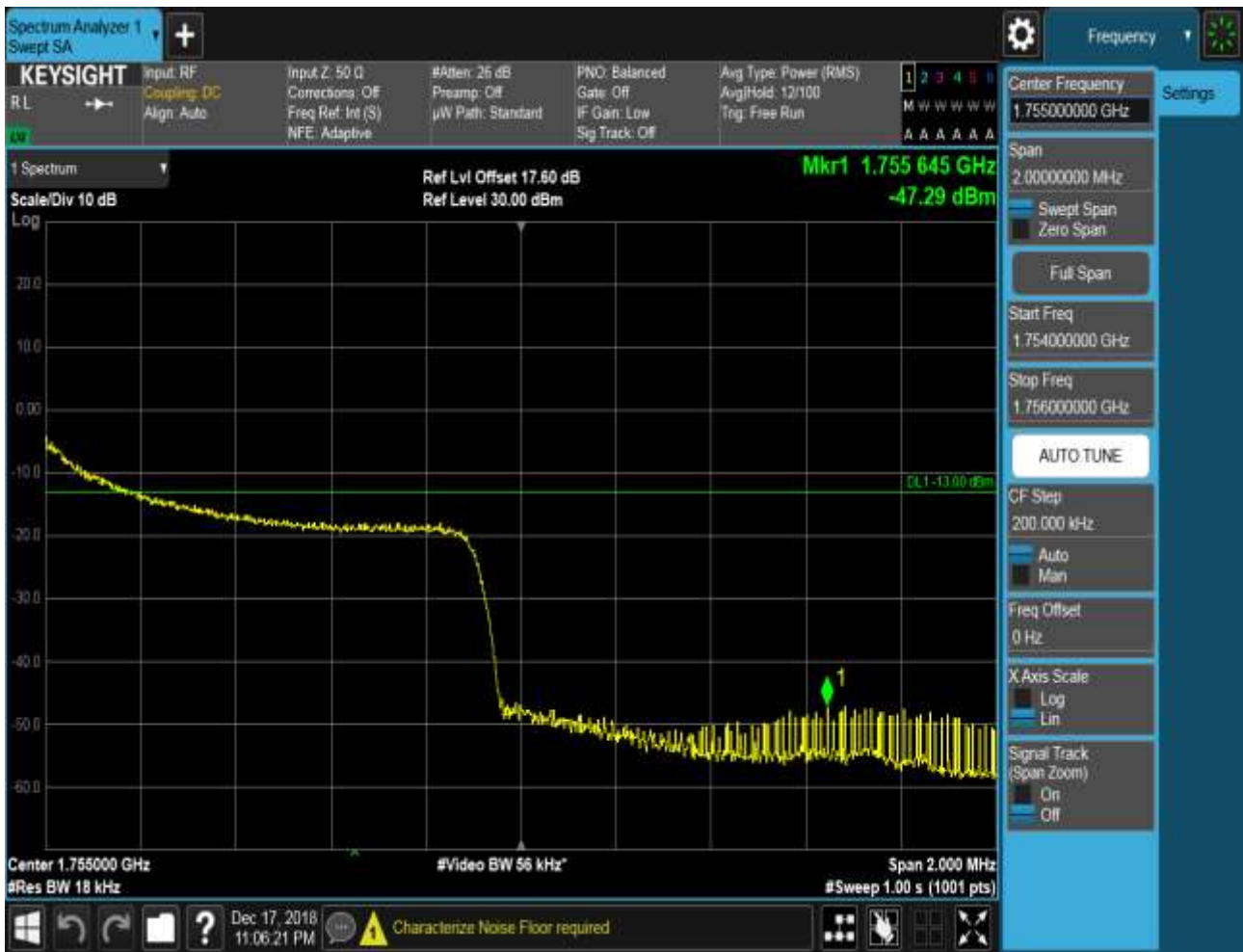


## 5.1.1.2.1.1.4 Test RB = RB6#0

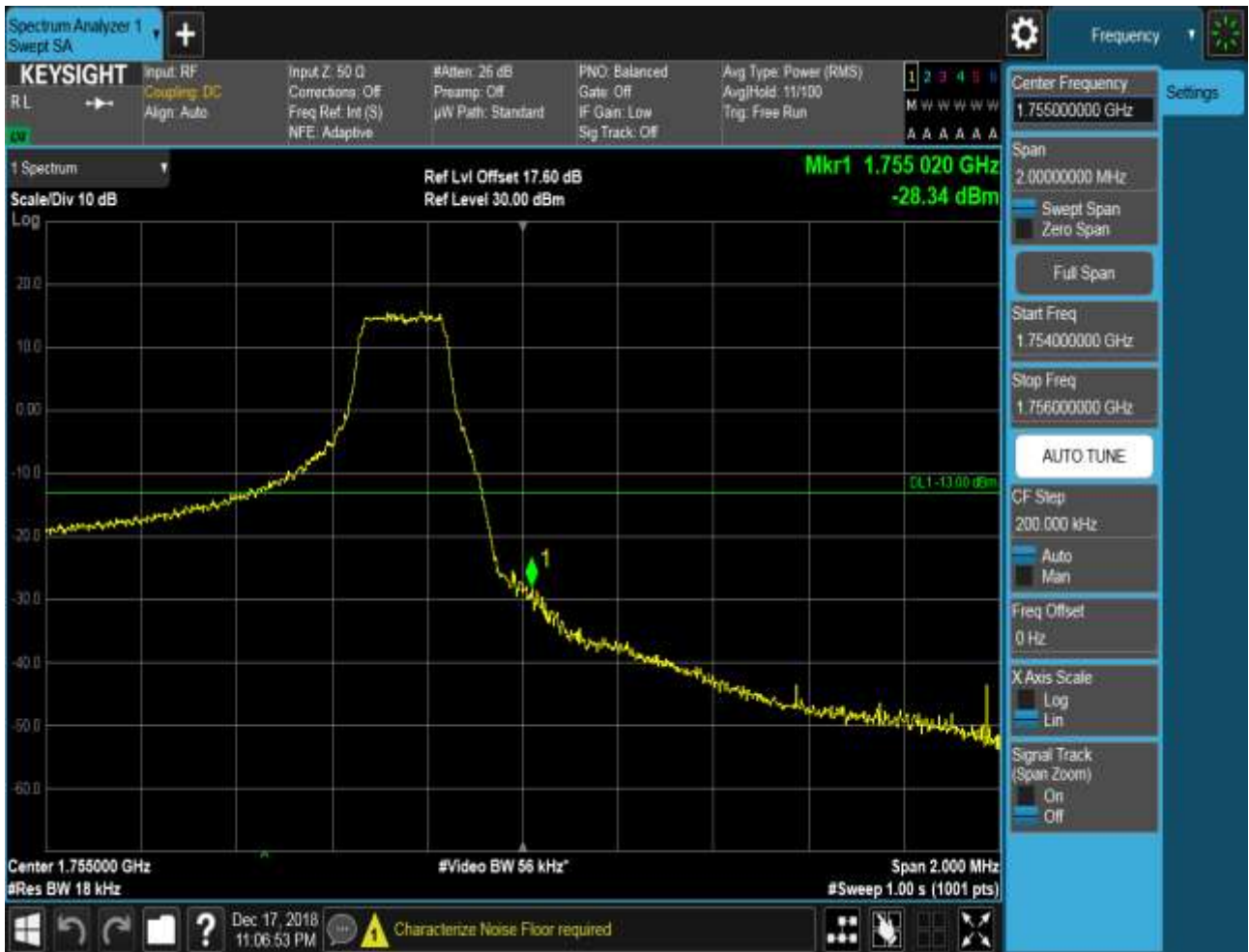


## 5.1.1.2.1.2 Test Channel = HCH

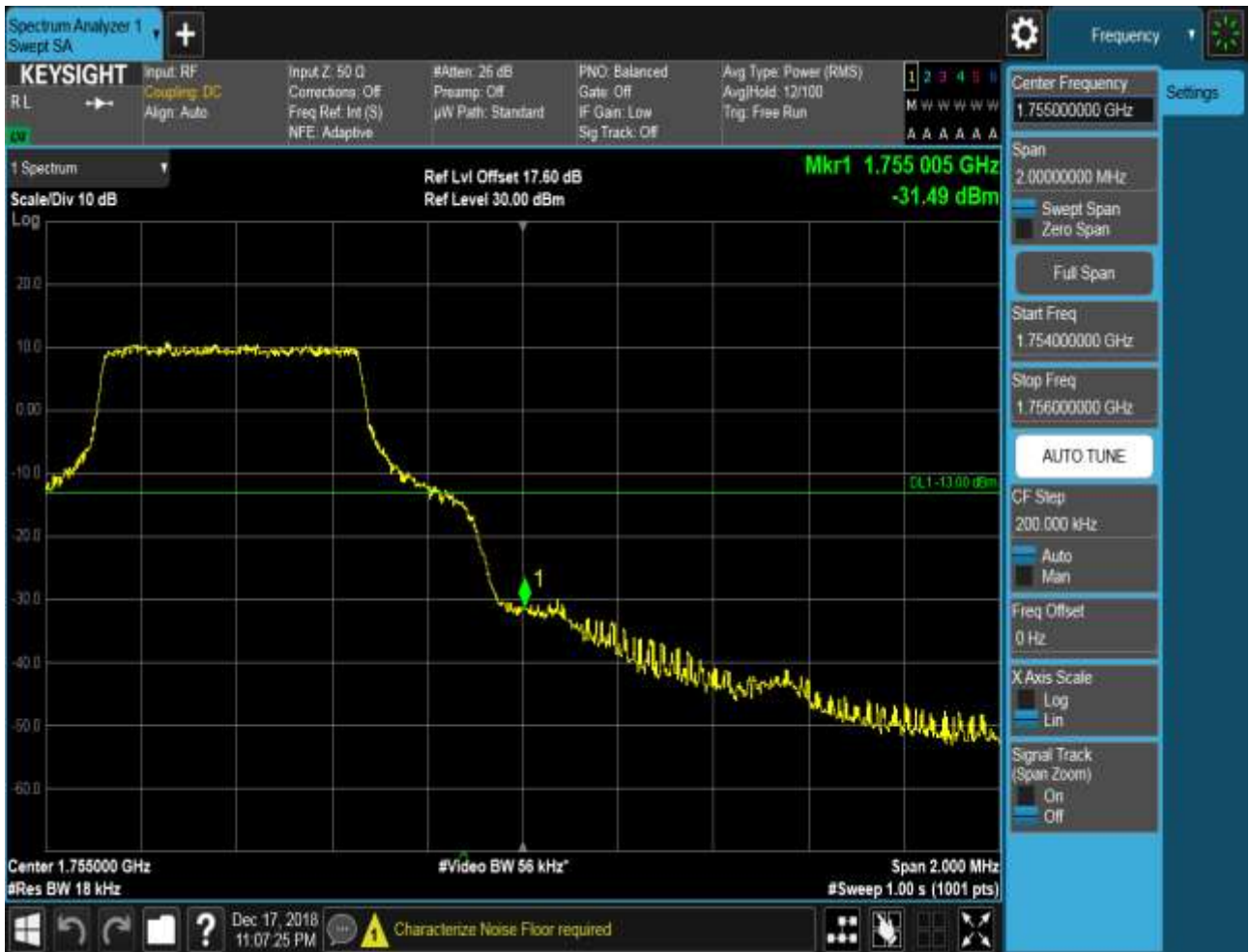
## 5.1.1.2.1.2.1 Test RB = RB1#0



## 5.1.1.2.1.2.2 Test RB = RB1#5



## 5.1.1.2.1.2.3 Test RB = RB3#2



## 5.1.1.2.1.2.4 Test RB = RB6#0





### 5.1.1.2.2 Test Bandwidth = 3

#### 5.1.1.2.2.1 Test Channel = LCH

##### 5.1.1.2.2.1.1 Test RB = RB1#0





## 5.1.1.2.1.2 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

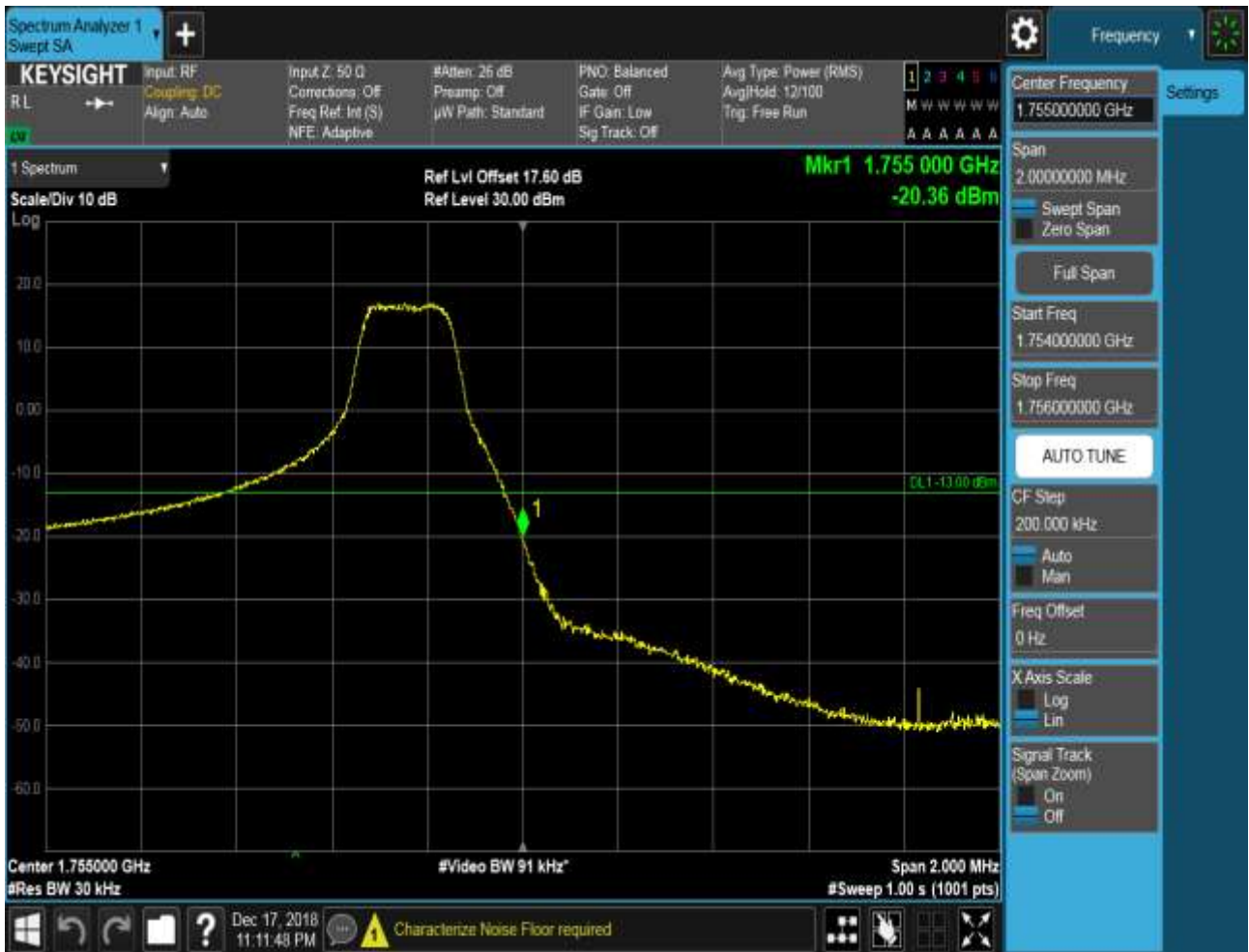


## 5.1.1.2.2.2 Test Channel = HCH

## 5.1.1.2.2.1 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







## 5.1.1.2.3.1.2 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





## 5.1.1.2.4.2.2 Test RB = RB1#49





## 5.1.1.2.4.2.3 Test RB = RB25#13

