



# 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
Band2	LTE/TM 1	1.4	LCH	RB1#0	23.00	22.21	33	PASS
				RB1#3	22.63	21.84	33	PASS
				RB1#5	22.60	21.81	33	PASS
				RB3#0	22.67	21.88	33	PASS
				RB3#2	22.62	21.83	33	PASS
				RB3#3	22.80	22.01	33	PASS
				RB6#0	21.91	21.12	33	PASS
			MCH	RB1#0	22.78	21.99	33	PASS
				RB1#3	22.62	21.83	33	PASS
				RB1#5	22.69	21.90	33	PASS
				RB3#0	22.63	21.84	33	PASS
				RB3#2	22.64	21.85	33	PASS
				RB3#3	22.66	21.87	33	PASS
				RB6#0	21.67	20.88	33	PASS
HCH	RB1#0	22.68	21.89	33	PASS			



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#3	22.71	21.92	33	PASS
				RB1#5	22.89	22.10	33	PASS
				RB3#0	22.68	21.89	33	PASS
				RB3#2	22.23	21.44	33	PASS
				RB3#3	22.83	22.04	33	PASS
				RB6#0	21.48	20.69	33	PASS
		3	LCH	RB1#0	23.13	22.34	33	PASS
				RB1#7	22.54	21.75	33	PASS
				RB1#14	22.97	22.18	33	PASS
				RB8#0	21.99	21.20	33	PASS
				RB8#4	21.98	21.19	33	PASS
				RB8#7	21.88	21.09	33	PASS
				RB15#0	21.99	21.20	33	PASS
				MCH	RB1#0	22.64	21.85	33
		RB1#7	21.66		20.87	33	PASS	
		RB1#14	22.76		21.97	33	PASS	
RB8#0	21.62	20.83	33		PASS			

Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#4	21.81	21.02	33	PASS
				RB8#7	21.78	20.99	33	PASS
				RB15#0	21.81	21.02	33	PASS
			HCH	RB1#0	22.90	22.11	33	PASS
				RB1#7	22.05	21.26	33	PASS
				RB1#14	22.68	21.89	33	PASS
				RB8#0	21.74	20.95	33	PASS
				RB8#4	21.71	20.92	33	PASS
				RB8#7	21.63	20.84	33	PASS
				RB15#0	21.70	20.91	33	PASS
				LCH	RB1#0	22.73	21.94	33
			RB1#13		23.09	22.30	33	PASS
			RB1#24		22.77	21.98	33	PASS
			RB12#0		21.78	20.99	33	PASS
			RB12#6		21.83	21.04	33	PASS
RB12#13	21.83	21.04	33		PASS			



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#0	21.82	21.03	33	PASS
			MCH	RB1#0	22.77	21.98	33	PASS
				RB1#13	22.72	21.93	33	PASS
				RB1#24	22.94	22.15	33	PASS
				RB12#0	21.78	20.99	33	PASS
				RB12#6	21.77	20.98	33	PASS
				RB12#13	21.69	20.90	33	PASS
				RB25#0	21.89	21.10	33	PASS
			HCH	RB1#0	22.72	21.93	33	PASS
				RB1#13	22.86	22.07	33	PASS
				RB1#24	22.77	21.98	33	PASS
				RB12#0	21.92	21.13	33	PASS
				RB12#6	21.84	21.05	33	PASS
				RB12#13	21.91	21.12	33	PASS
				RB25#0	21.83	21.04	33	PASS
		10	LCH	RB1#0	22.71	21.92	33	PASS



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#25	22.59	21.80	33	PASS
				RB1#49	22.84	22.05	33	PASS
				RB25#0	21.85	21.06	33	PASS
				RB25#13	21.84	21.05	33	PASS
				RB25#25	21.83	21.04	33	PASS
				RB50#0	21.85	21.06	33	PASS
			MCH	RB1#0	22.76	21.97	33	PASS
				RB1#25	22.27	21.48	33	PASS
				RB1#49	22.94	22.15	33	PASS
				RB25#0	21.84	21.05	33	PASS
				RB25#13	21.66	20.87	33	PASS
				RB25#25	21.93	21.14	33	PASS
				RB50#0	21.72	20.93	33	PASS
			HCH	RB1#0	22.85	22.06	33	PASS
				RB1#25	22.38	21.59	33	PASS



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#49	22.85	22.06	33	PASS
				RB25#0	21.70	20.91	33	PASS
				RB25#13	21.85	21.06	33	PASS
				RB25#25	21.72	20.93	33	PASS
				RB50#0	21.72	20.93	33	PASS
		15	LCH	RB1#0	23.12	22.33	33	PASS
				RB1#38	22.97	22.18	33	PASS
				RB1#74	22.81	22.02	33	PASS
				RB38#0	21.86	21.07	33	PASS
				RB38#19	21.99	21.20	33	PASS
				RB38#39	22.01	21.22	33	PASS
				RB75#0	21.98	21.19	33	PASS
		MCH	RB1#0	22.86	22.07	33	PASS	
			RB1#38	22.71	21.92	33	PASS	
			RB1#74	22.91	22.12	33	PASS	



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB38#0	21.79	21.00	33	PASS
				RB38#19	21.72	20.93	33	PASS
				RB38#39	21.72	20.93	33	PASS
				RB75#0	21.92	21.13	33	PASS
			HCH	RB1#0	22.73	21.94	33	PASS
				RB1#38	22.76	21.97	33	PASS
				RB1#74	22.82	22.03	33	PASS
				RB38#0	21.90	21.11	33	PASS
		RB38#19	21.88	21.09	33	PASS		
		RB38#39	21.90	21.11	33	PASS		
		RB75#0	21.71	20.92	33	PASS		
		20	LCH	RB1#0	22.80	22.01	33	PASS
				RB1#50	22.41	21.62	33	PASS
				RB1#99	22.65	21.86	33	PASS
				RB50#0	22.05	21.26	33	PASS



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#25	21.96	21.17	33	PASS
				RB50#50	21.90	21.11	33	PASS
				RB100#0	22.01	21.22	33	PASS
			MCH	RB1#0	22.55	21.76	33	PASS
				RB1#50	22.53	21.74	33	PASS
				RB1#99	22.76	21.97	33	PASS
				RB50#0	21.99	21.20	33	PASS
				RB50#25	21.89	21.10	33	PASS
				RB50#50	22.01	21.22	33	PASS
				RB100#0	21.75	20.96	33	PASS
			HCH	RB1#0	22.66	21.87	33	PASS
				RB1#50	22.43	21.64	33	PASS
				RB1#99	22.75	21.96	33	PASS
				RB50#0	21.91	21.12	33	PASS

Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict	
				RB50#25	21.71	20.92	33	PASS	
				RB50#50	21.91	21.12	33	PASS	
				RB100#0	21.93	21.14	33	PASS	
	LTE/TM2	1.4		LCH	RB1#0	22.10	21.31	33	PASS
					RB1#3	21.53	20.74	33	PASS
					RB1#5	21.84	21.05	33	PASS
					RB3#0	21.77	20.98	33	PASS
					RB3#2	21.78	20.99	33	PASS
					RB3#3	21.93	21.14	33	PASS
				MCH	RB6#0	20.88	20.09	33	PASS
					RB1#0	21.97	21.18	33	PASS
					RB1#3	21.78	20.99	33	PASS
					RB1#5	21.82	21.03	33	PASS
					RB3#0	21.68	20.89	33	PASS
								RB3#2	21.58



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
		3		RB3#3	21.62	20.83	33	PASS
				RB6#0	20.63	19.84	33	PASS
			HCH	RB1#0	22.23	21.44	33	PASS
				RB1#3	21.51	20.72	33	PASS
				RB1#5	21.94	21.15	33	PASS
				RB3#0	21.77	20.98	33	PASS
				RB3#2	21.42	20.63	33	PASS
				RB3#3	21.66	20.87	33	PASS
				RB6#0	20.71	19.92	33	PASS
				LCH	RB1#0	22.23	21.44	33
		RB1#7	21.94		21.15	33	PASS	
		RB1#14	22.10		21.31	33	PASS	
		RB8#0	20.95		20.16	33	PASS	
		RB8#4	20.97		20.18	33	PASS	
		RB8#7	20.82		20.03	33	PASS	
		RB15#0	20.96		20.17	33	PASS	
		MCH	RB1#0	21.84	21.05	33	PASS	

Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#7	21.44	20.65	33	PASS
				RB1#14	22.07	21.28	33	PASS
				RB8#0	20.66	19.87	33	PASS
				RB8#4	20.60	19.81	33	PASS
				RB8#7	20.87	20.08	33	PASS
				RB15#0	20.78	19.99	33	PASS
			HCH	RB1#0	21.91	21.12	33	PASS
				RB1#7	21.52	20.73	33	PASS
				RB1#14	21.78	20.99	33	PASS
				RB8#0	20.74	19.95	33	PASS
				RB8#4	20.72	19.93	33	PASS
				RB8#7	20.69	19.90	33	PASS
		5	LCH	RB15#0	20.69	19.90	33	PASS
				RB1#0	21.90	21.11	33	PASS
				RB1#13	22.28	21.49	33	PASS
				RB1#24	21.94	21.15	33	PASS
				RB12#0	20.76	19.97	33	PASS



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#6	20.80	20.01	33	PASS
				RB12#13	20.78	19.99	33	PASS
				RB25#0	20.74	19.95	33	PASS
			MCH	RB1#0	22.06	21.27	33	PASS
				RB1#13	21.98	21.19	33	PASS
				RB1#24	21.94	21.15	33	PASS
				RB12#0	20.71	19.92	33	PASS
				RB12#6	20.74	19.95	33	PASS
				RB12#13	20.88	20.09	33	PASS
				RB25#0	20.83	20.04	33	PASS
			HCH	RB1#0	22.28	21.49	33	PASS
				RB1#13	22.23	21.44	33	PASS
				RB1#24	22.17	21.38	33	PASS
				RB12#0	20.81	20.02	33	PASS
				RB12#6	20.68	19.89	33	PASS
				RB12#13	20.83	20.04	33	PASS



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				3				
				RB25#0	20.80	20.01	33	PASS
		10	LCH	RB1#0	21.82	21.03	33	PASS
				RB1#25	21.55	20.76	33	PASS
				RB1#49	21.96	21.17	33	PASS
				RB25#0	20.82	20.03	33	PASS
				RB25#13	20.83	20.04	33	PASS
				RB25#25	20.83	20.04	33	PASS
				RB50#0	20.78	19.99	33	PASS
				MCH	RB1#0	22.19	21.40	33
			RB1#25		21.57	20.78	33	PASS
			RB1#49		22.34	21.55	33	PASS
			RB25#0		20.82	20.03	33	PASS
			RB25#13		20.59	19.80	33	PASS
			RB25#25		20.62	19.83	33	PASS

Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB50#0	20.66	19.87	33	PASS
				RB1#0	21.87	21.08	33	PASS
				RB1#25	21.61	20.82	33	PASS
				RB1#49	21.85	21.06	33	PASS
				RB25#0	20.65	19.86	33	PASS
				RB25#13	20.81	20.02	33	PASS
				RB25#25	20.68	19.89	33	PASS
				RB50#0	20.70	19.91	33	PASS
		15	LCH	RB1#0	22.23	21.44	33	PASS
				RB1#38	22.22	21.43	33	PASS
				RB1#74	21.93	21.14	33	PASS
				RB38#0	20.84	20.05	33	PASS
				RB38#19	20.96	20.17	33	PASS
				RB38#39	20.98	20.19	33	PASS
				RB75#0	20.97	20.18	33	PASS



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	22.21	21.42	33	PASS
				RB1#38	22.01	21.22	33	PASS
				RB1#74	22.26	21.47	33	PASS
				RB38#0	20.72	19.93	33	PASS
				RB38#19	20.66	19.87	33	PASS
				RB38#39	20.69	19.90	33	PASS
				RB75#0	20.69	19.90	33	PASS
			HCH	RB1#0	22.11	21.32	33	PASS
				RB1#38	21.99	21.20	33	PASS
				RB1#74	22.00	21.21	33	PASS
				RB38#0	20.90	20.11	33	PASS
				RB38#19	20.84	20.05	33	PASS
				RB38#39	20.88	20.09	33	PASS
				RB75#0	20.65	19.86	33	PASS
		20	LCH	RB1#0	22.18	21.39	33	PASS



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#50	21.97	21.18	33	PASS
				RB1#99	22.01	21.22	33	PASS
				RB50#0	20.94	20.15	33	PASS
				RB50#25	20.90	20.11	33	PASS
				RB50#50	20.85	20.06	33	PASS
				RB100#0	20.98	20.19	33	PASS
			MCH	RB1#0	21.97	21.18	33	PASS
				RB1#50	21.70	20.91	33	PASS
				RB1#99	22.00	21.21	33	PASS
				RB50#0	20.93	20.14	33	PASS
				RB50#25	20.85	20.06	33	PASS
				RB50#50	20.71	19.92	33	PASS
				RB100#0	20.69	19.90	33	PASS
			HCH	RB1#0	22.11	21.32	33	PASS

Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#50	21.76	20.97	33	PASS
				RB1#99	22.09	21.30	33	PASS
				RB50#0	20.83	20.04	33	PASS
				RB50#25	20.66	19.87	33	PASS
				RB50#50	20.86	20.07	33	PASS
				RB100#0	20.88	20.09	33	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,

$$ERP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBd]$$

$$EIRP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBi]$$

b, SGP = Signal Generator Level

Note2:

$$SET Span = 1.5 * OBW$$

$$SET RBW = 1\% \text{ of the } OBW, \text{ not to exceed } 1MHz$$

$$SET VBW \geq 3 * RBW$$

SET Sweep time = auto - couple.

Detector: RMS

## 2Appendix\_B: Peak-to-Average Ratio

### Part I - Test Results

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
Band2	LTE/TM1	1.4	LCH	RB1#0	5.07	13	PASS
				RB1#3	5.13	13	PASS
				RB1#5	4.98	13	PASS
				RB3#0	5.42	13	PASS
				RB3#2	5.52	13	PASS
				RB3#3	5.37	13	PASS
			RB6#0	5.98	13	PASS	
			MCH	RB1#0	4.78	13	PASS
				RB1#3	4.98	13	PASS
				RB1#5	4.77	13	PASS
				RB3#0	5.54	13	PASS
				RB3#2	5.52	13	PASS
		RB3#3		5.64	13	PASS	
		HCH	RB6#0	6.01	13	PASS	
			RB1#0	5.02	13	PASS	
			RB1#3	4.89	13	PASS	
			RB1#5	4.89	13	PASS	
			RB3#0	5.35	13	PASS	
			RB3#2	5.15	13	PASS	
		3	LCH	RB3#3	5.33	13	PASS
				RB6#0	6.07	13	PASS
				RB1#0	5.28	13	PASS
				RB1#7	4.87	13	PASS
				RB1#14	4.99	13	PASS
RB8#0	5.78			13	PASS		
MCH	RB8#4		5.87	13	PASS		
	RB8#7		5.95	13	PASS		
	RB15#0		5.79	13	PASS		
	RB1#0		5.04	13	PASS		
	RB1#7		5.02	13	PASS		
	RB1#14		5.00	13	PASS		
RB8#0	5.86	13	PASS				
RB8#4	5.92	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	5.99	13	PASS
				RB1#0	4.66	13	PASS
				RB1#7	4.88	13	PASS
				RB1#14	4.55	13	PASS
				RB8#0	6.09	13	PASS
				RB8#4	6.01	13	PASS
				RB8#7	6.04	13	PASS
				RB15#0	5.77	13	PASS
		5	LCH	RB1#0	5.15	13	PASS
				RB1#13	5.12	13	PASS
				RB1#24	5.27	13	PASS
				RB12#0	5.86	13	PASS
				RB12#6	5.90	13	PASS
				RB12#13	5.91	13	PASS
			MCH	RB25#0	6.02	13	PASS
				RB1#0	5.20	13	PASS
				RB1#13	5.12	13	PASS
				RB1#24	5.12	13	PASS
				RB12#0	5.92	13	PASS
				RB12#6	5.77	13	PASS
			HCH	RB12#13	5.81	13	PASS
				RB25#0	5.94	13	PASS
				RB1#0	5.21	13	PASS
				RB1#13	4.88	13	PASS
		RB1#24		4.84	13	PASS	
		RB12#0		5.94	13	PASS	
		10	LCH	RB12#6	5.89	13	PASS
				RB12#13	5.79	13	PASS
				RB25#0	6.08	13	PASS
				RB1#0	5.03	13	PASS
				RB1#25	5.18	13	PASS
				RB1#49	5.17	13	PASS
MCH	RB25#0		6.05	13	PASS		
	RB25#13		6.11	13	PASS		
	RB25#25		6.19	13	PASS		
	RB50#0		6.23	13	PASS		
			MCH	RB1#0	4.99	13	PASS
			MCH	RB1#25	4.96	13	PASS
			MCH	RB1#49	5.01	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#0	6.47	13	PASS
				RB25#13	6.29	13	PASS
				RB25#25	6.40	13	PASS
				RB50#0	6.36	13	PASS
			HCH	RB1#0	4.96	13	PASS
				RB1#25	5.01	13	PASS
				RB1#49	4.77	13	PASS
				RB25#0	6.21	13	PASS
				RB25#13	6.11	13	PASS
				RB25#25	6.00	13	PASS
				RB50#0	6.29	13	PASS
			LCH	RB1#0	4.84	13	PASS
				RB1#38	5.00	13	PASS
				RB1#74	5.08	13	PASS
		RB38#0		6.23	13	PASS	
		RB38#19		6.39	13	PASS	
		RB38#39		6.61	13	PASS	
		RB75#0		6.70	13	PASS	
		MCH		RB1#0	5.18	13	PASS
				RB1#38	5.04	13	PASS
				RB1#74	5.15	13	PASS
				RB38#0	6.31	13	PASS
				RB38#19	6.09	13	PASS
			RB38#39	6.10	13	PASS	
			RB75#0	6.42	13	PASS	
		HCH	RB1#0	5.28	13	PASS	
			RB1#38	5.09	13	PASS	
			RB1#74	4.94	13	PASS	
			RB38#0	6.23	13	PASS	
			RB38#19	6.19	13	PASS	
			RB38#39	6.08	13	PASS	
			RB75#0	6.43	13	PASS	
		20	LCH	RB1#0	4.83	13	PASS
RB1#50	5.00			13	PASS		
RB1#99	5.17			13	PASS		
RB50#0	6.45			13	PASS		
RB50#25	6.63			13	PASS		
RB50#50	6.56			13	PASS		
RB100#0	6.68			13	PASS		

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
			MCH	RB1#0	5.31	13	PASS	
				RB1#50	5.34	13	PASS	
				RB1#99	5.13	13	PASS	
				RB50#0	6.23	13	PASS	
				RB50#25	6.21	13	PASS	
				RB50#50	6.30	13	PASS	
				RB100#0	6.54	13	PASS	
			HCH	RB1#0	4.95	13	PASS	
				RB1#50	5.17	13	PASS	
				RB1#99	4.81	13	PASS	
				RB50#0	6.37	13	PASS	
				RB50#25	6.29	13	PASS	
				RB50#50	6.18	13	PASS	
				RB100#0	6.56	13	PASS	
		LTE/TM2	1.4	LCH	RB1#0	6.03	13	PASS
					RB1#3	5.87	13	PASS
					RB1#5	6.22	13	PASS
					RB3#0	6.48	13	PASS
					RB3#2	6.40	13	PASS
					RB3#3	6.55	13	PASS
					RB6#0	6.78	13	PASS
				MCH	RB1#0	6.60	13	PASS
					RB1#3	6.66	13	PASS
					RB1#5	6.22	13	PASS
					RB3#0	6.65	13	PASS
					RB3#2	6.90	13	PASS
					RB3#3	7.10	13	PASS
					RB6#0	6.88	13	PASS
			HCH	RB1#0	5.43	13	PASS	
				RB1#3	5.67	13	PASS	
RB1#5	5.36	13		PASS				
RB3#0	6.25	13		PASS				
RB3#2	6.63	13		PASS				
RB3#3	6.11	13		PASS				
RB6#0	7.04	13		PASS				
3	LCH	RB1#0	5.90	13	PASS			
		RB1#7	5.96	13	PASS			
		RB1#14	5.88	13	PASS			
		RB8#0	6.65	13	PASS			

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
				RB8#4	6.61	13	PASS	
				RB8#7	6.68	13	PASS	
				RB15#0	6.75	13	PASS	
			MCH	RB1#0	6.13	13	PASS	
				RB1#7	6.06	13	PASS	
				RB1#14	6.06	13	PASS	
				RB8#0	6.85	13	PASS	
				RB8#4	6.85	13	PASS	
				RB8#7	6.87	13	PASS	
			HCH	RB15#0	6.90	13	PASS	
				RB1#0	5.64	13	PASS	
				RB1#7	5.87	13	PASS	
				RB1#14	5.73	13	PASS	
				RB8#0	7.02	13	PASS	
			5	LCH	RB8#4	6.88	13	PASS
					RB8#7	6.93	13	PASS
					RB15#0	6.98	13	PASS
					RB1#0	5.69	13	PASS
		RB1#13			5.90	13	PASS	
		RB1#24			5.89	13	PASS	
		MCH		RB12#0	6.42	13	PASS	
				RB12#6	6.50	13	PASS	
				RB12#13	6.81	13	PASS	
				RB25#0	7.01	13	PASS	
				RB1#0	5.91	13	PASS	
				RB1#13	5.90	13	PASS	
		HCH		RB1#24	5.97	13	PASS	
				RB12#0	7.12	13	PASS	
				RB12#6	7.05	13	PASS	
			RB12#13	6.81	13	PASS		
			RB25#0	7.16	13	PASS		
			RB1#0	5.48	13	PASS		
			RB1#13	5.37	13	PASS		
RB1#24	5.31	13	PASS					
10	LCH	RB12#0	6.88	13	PASS			
		RB12#6	6.78	13	PASS			
			RB12#13	6.85	13	PASS		
			RB25#0	7.12	13	PASS		
			RB1#0	5.12	13	PASS		

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#25	5.88	13	PASS
				RB1#49	5.73	13	PASS
				RB25#0	6.97	13	PASS
				RB25#13	7.05	13	PASS
				RB25#25	7.01	13	PASS
				RB50#0	7.06	13	PASS
			MCH	RB1#0	6.31	13	PASS
				RB1#25	6.53	13	PASS
				RB1#49	6.48	13	PASS
				RB25#0	7.15	13	PASS
				RB25#13	6.95	13	PASS
				RB25#25	7.17	13	PASS
			HCH	RB50#0	7.22	13	PASS
				RB1#0	5.80	13	PASS
				RB1#25	5.85	13	PASS
				RB1#49	5.61	13	PASS
				RB25#0	7.16	13	PASS
				RB25#13	7.12	13	PASS
		15	LCH	RB25#25	7.07	13	PASS
				RB50#0	7.16	13	PASS
				RB1#0	5.68	13	PASS
				RB1#38	5.76	13	PASS
				RB1#74	5.98	13	PASS
				RB38#0	6.99	13	PASS
			MCH	RB38#19	7.15	13	PASS
				RB38#39	7.38	13	PASS
				RB75#0	7.42	13	PASS
				RB1#0	6.05	13	PASS
				RB1#38	6.15	13	PASS
				RB1#74	6.17	13	PASS
HCH	RB38#0	7.21	13	PASS			
	RB38#19	7.02	13	PASS			
	RB38#39	6.94	13	PASS			
	RB75#0	7.27	13	PASS			
	RB38#19	7.25	13	PASS			



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB38#39	7.21	13	PASS
				RB75#0	7.56	13	PASS
		20	LCH	RB1#0	6.02	13	PASS
				RB1#50	6.22	13	PASS
				RB1#99	6.23	13	PASS
				RB50#0	7.34	13	PASS
				RB50#25	7.54	13	PASS
				RB50#50	7.52	13	PASS
				RB100#0	7.40	13	PASS
				MCH	RB1#0	5.68	13
			RB1#50		5.69	13	PASS
			RB1#99		5.52	13	PASS
			RB50#0		7.14	13	PASS
			RB50#25		7.09	13	PASS
			RB50#50		6.94	13	PASS
			HCH	RB100#0	7.39	13	PASS
		RB1#0		5.87	13	PASS	
		RB1#50		6.15	13	PASS	
		RB1#99		5.76	13	PASS	
		RB50#0		7.36	13	PASS	
		RB50#25		7.35	13	PASS	
		RB50#50	7.19	13	PASS		
		RB100#0	7.35	13	PASS		

## 3Appendix\_C: Modulation Characteristics

### Part I - Test Plots

#### 3.1 For LTE

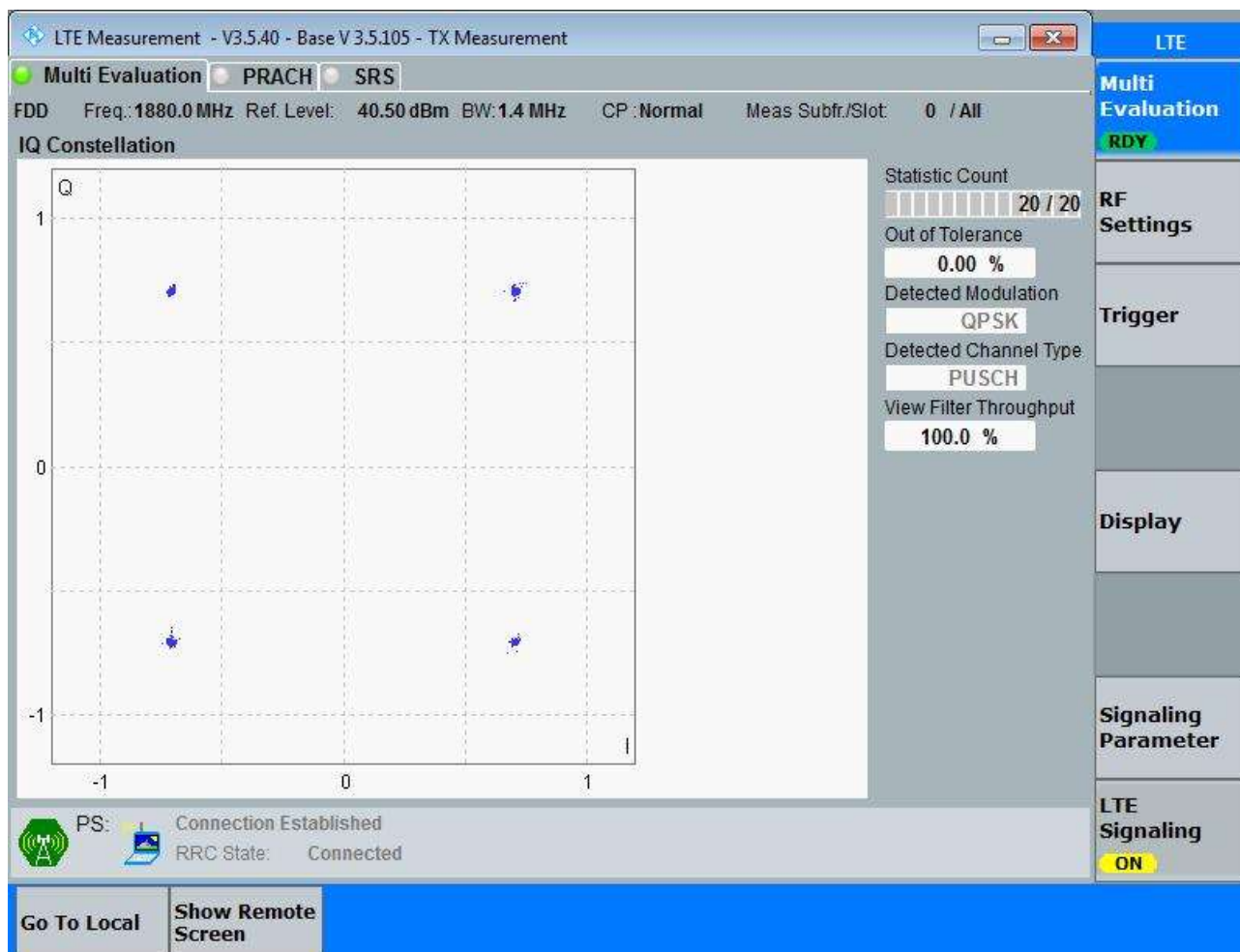
##### 3.1.1 Test Band = Band2

##### 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

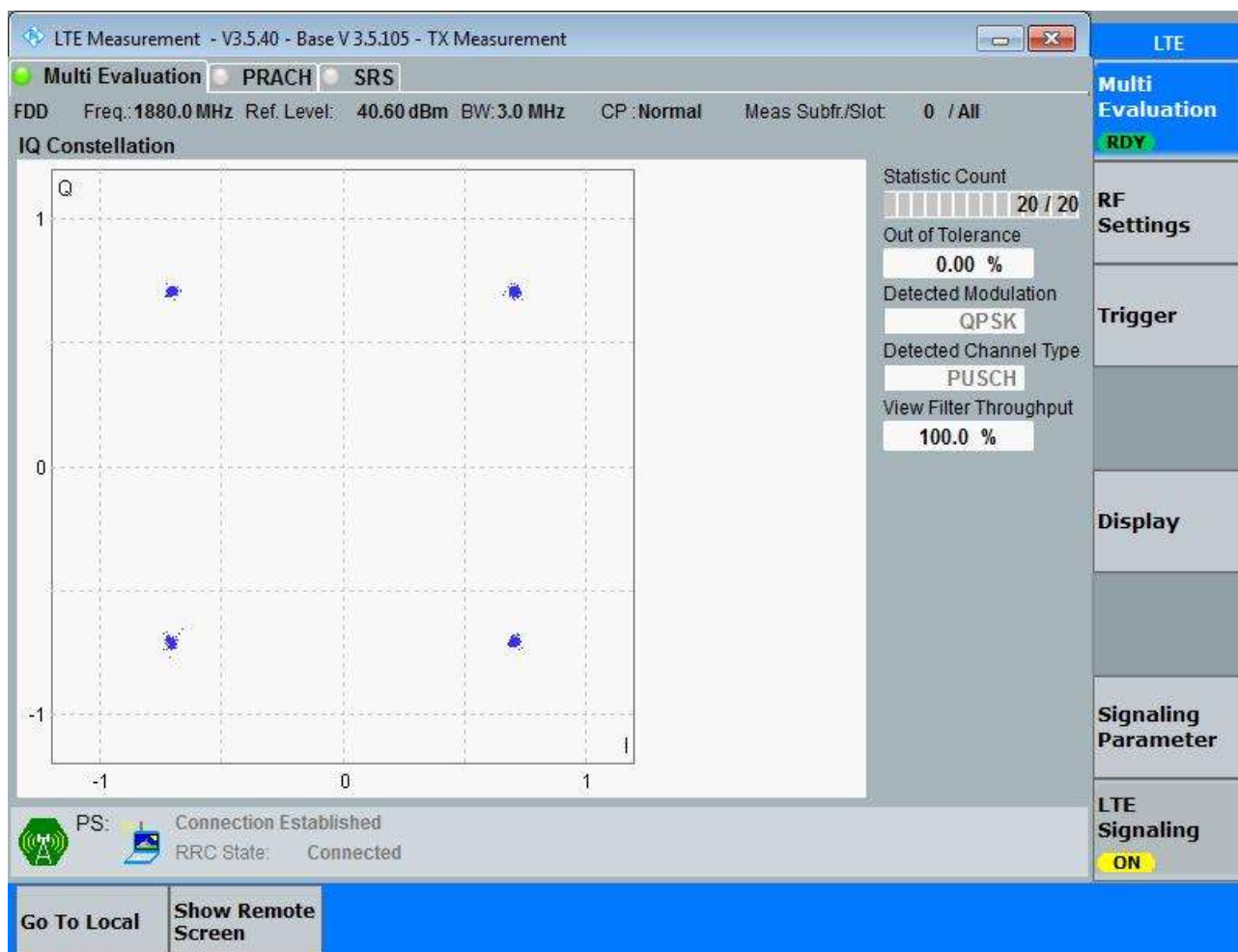
##### 3.1.1.1.1.1.1 Test RB = RB6#0



### 3.1.1.1.2 Test Bandwidth = 3

#### 3.1.1.1.2.1 Test Channel = MCH

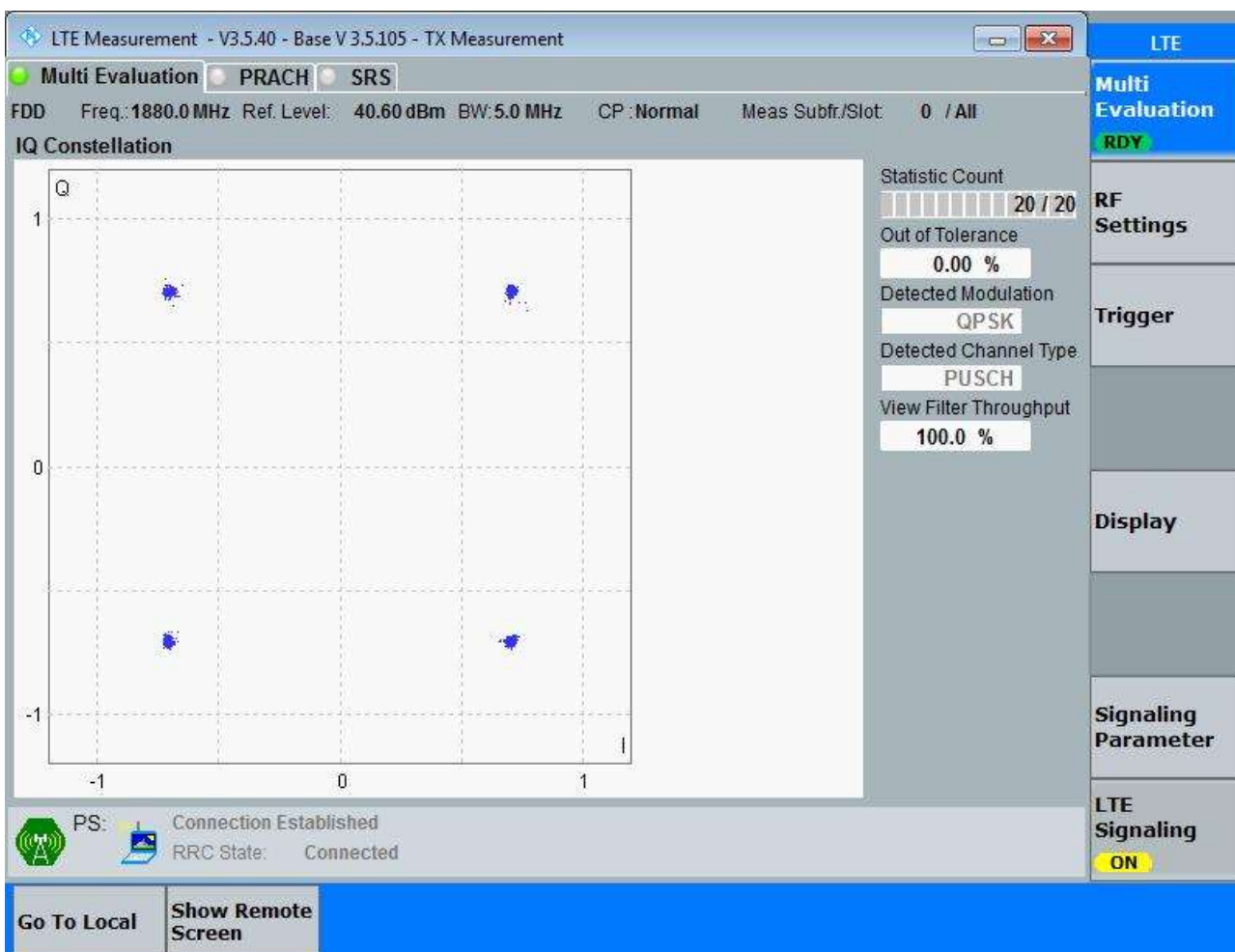
##### 3.1.1.1.2.1.1 Test RB = RB15#0



### 3.1.1.1.3 Test Bandwidth = 5

#### 3.1.1.1.3.1 Test Channel = MCH

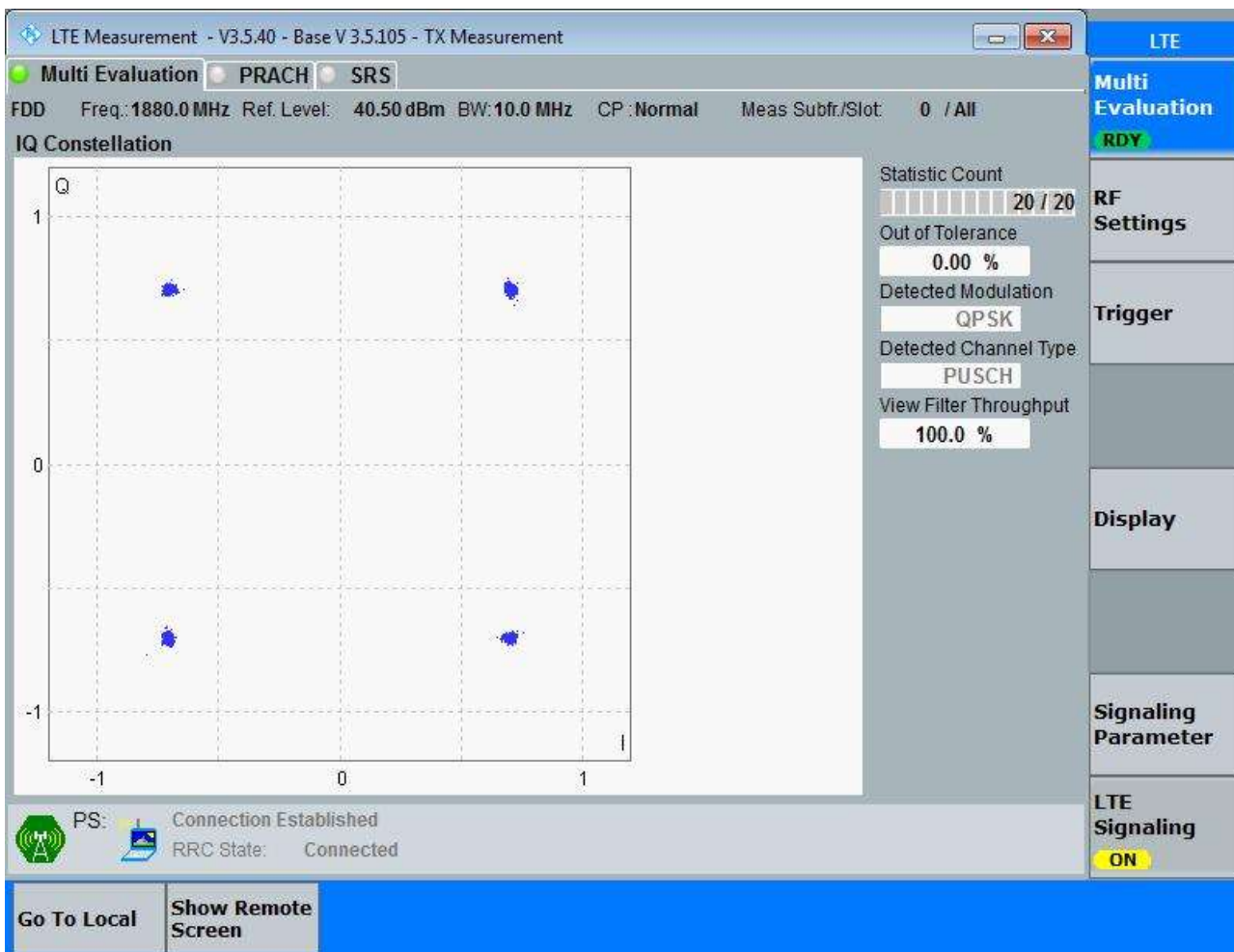
##### 3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

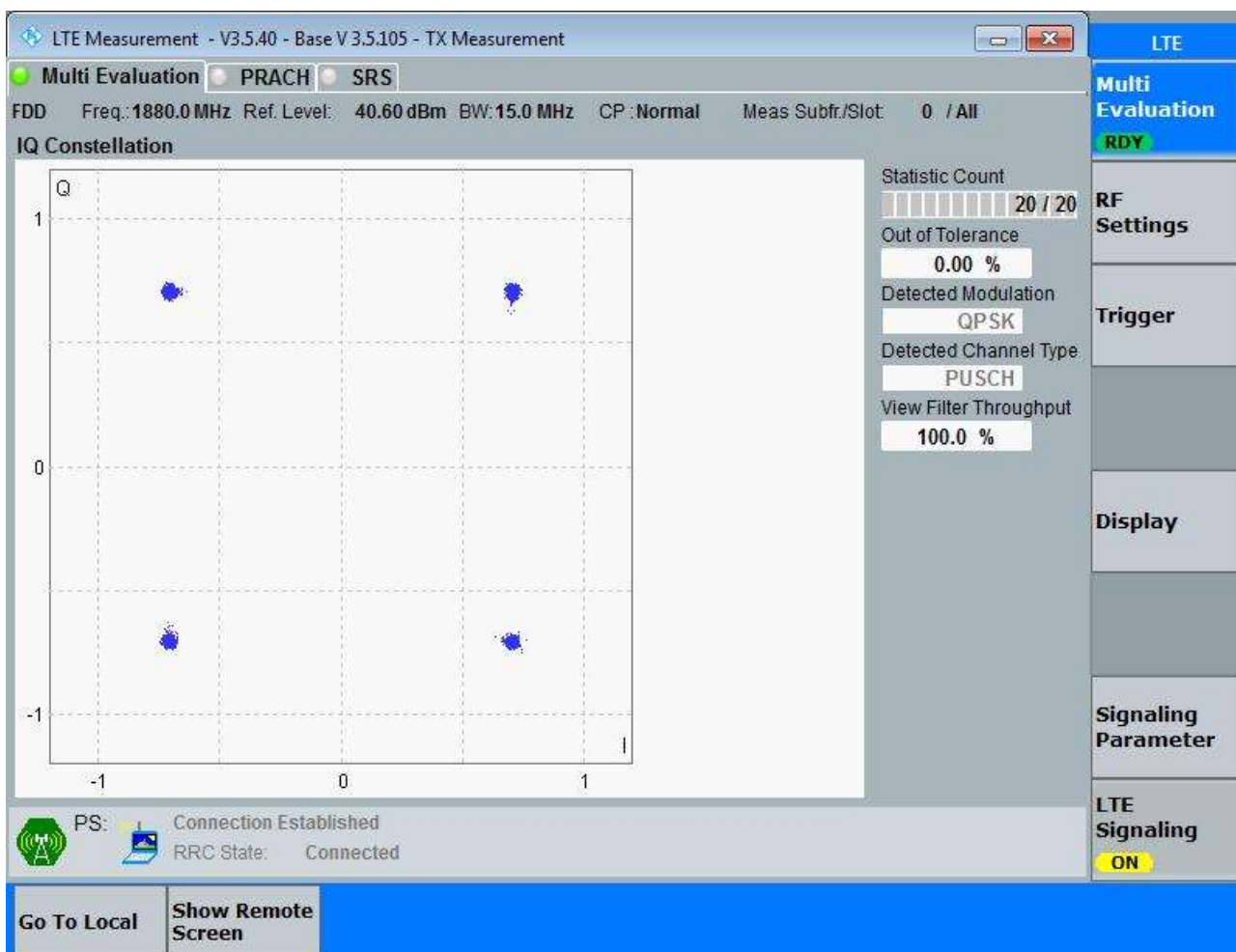
3.1.1.1.4.1.1 Test RB = RB50#0



### 3.1.1.1.5 Test Bandwidth = 15

#### 3.1.1.1.5.1 Test Channel = MCH

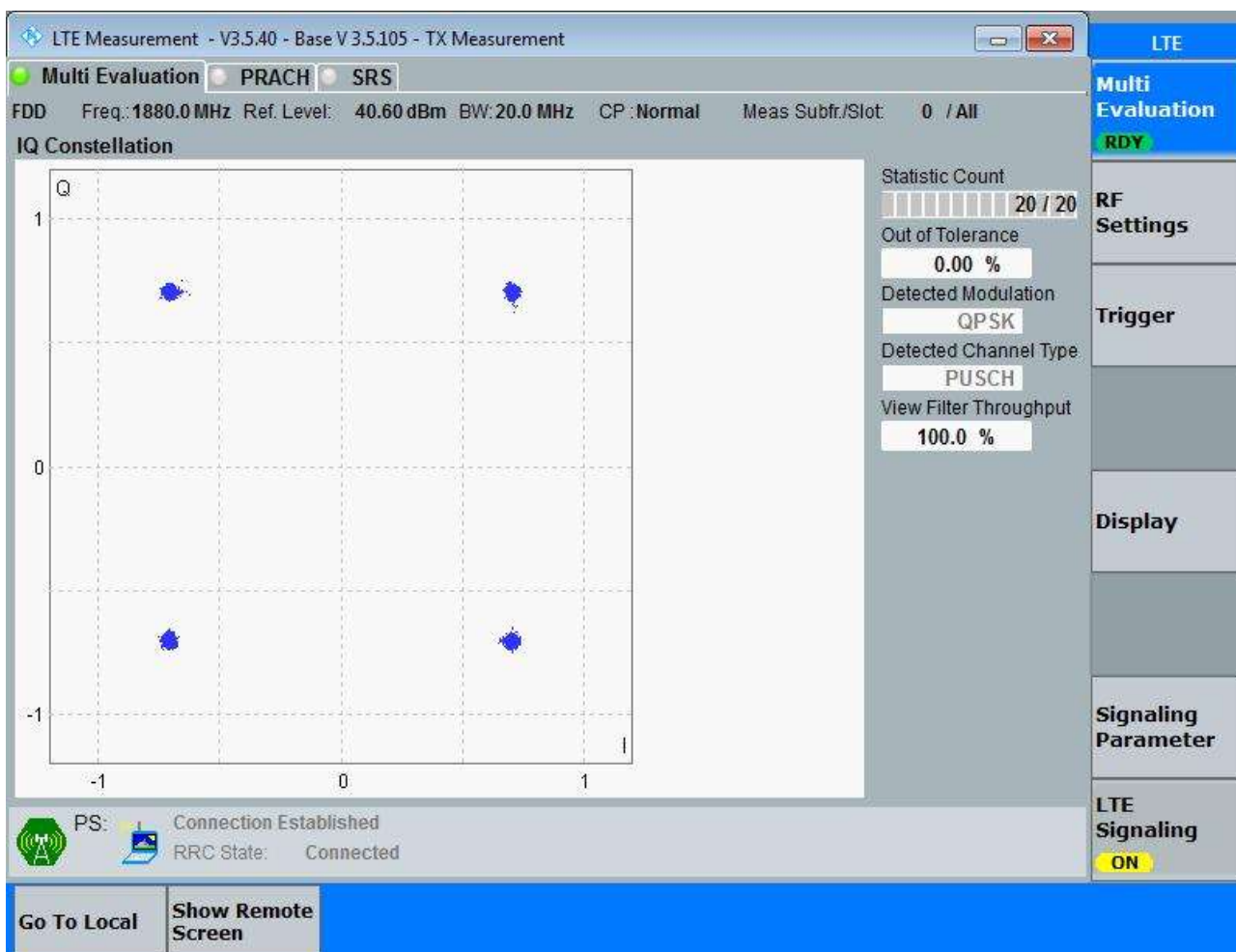
##### 3.1.1.1.5.1.1 Test RB = RB75#0



### 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

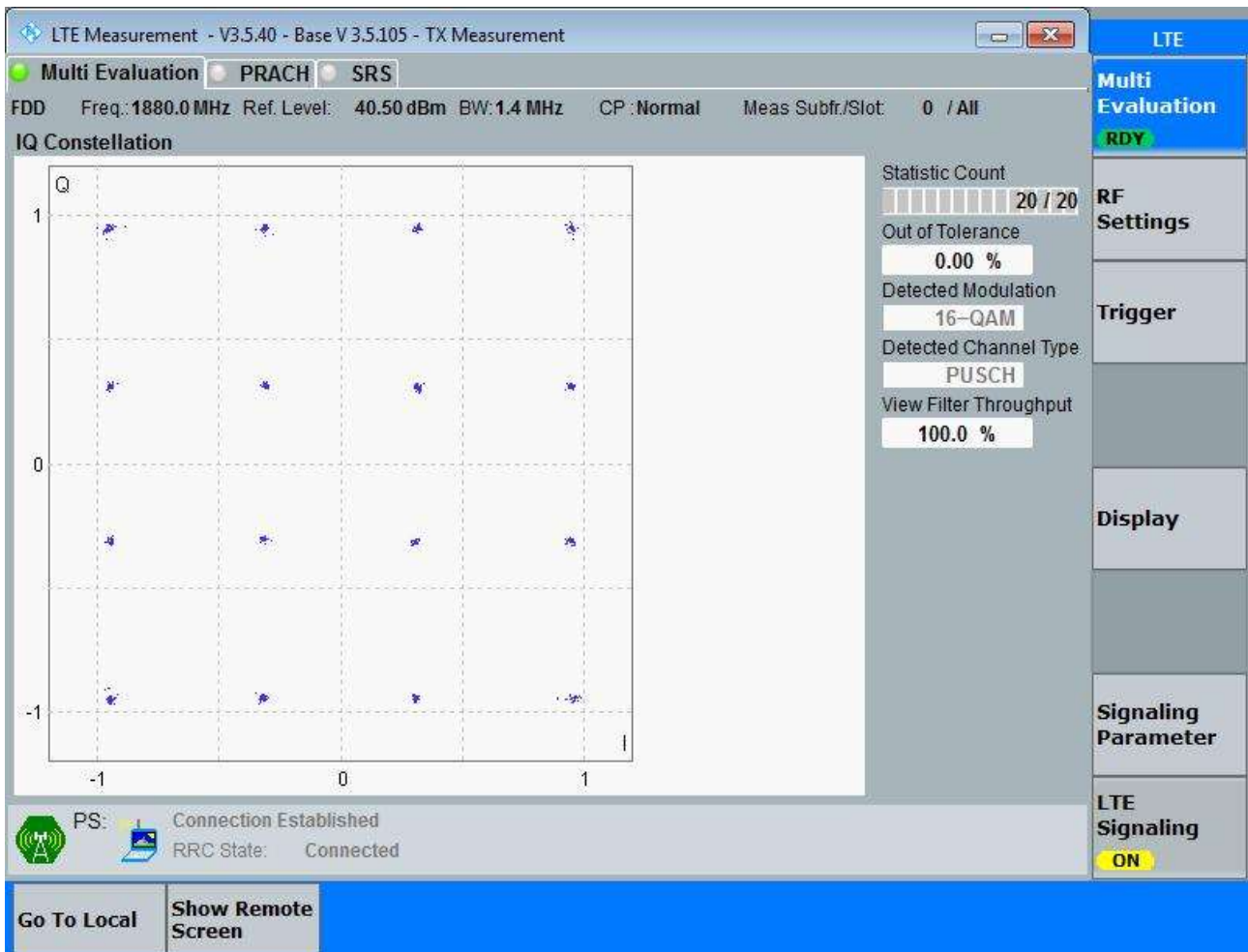


### 3.1.1.2 Test Mode = LTE/TM2

#### 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

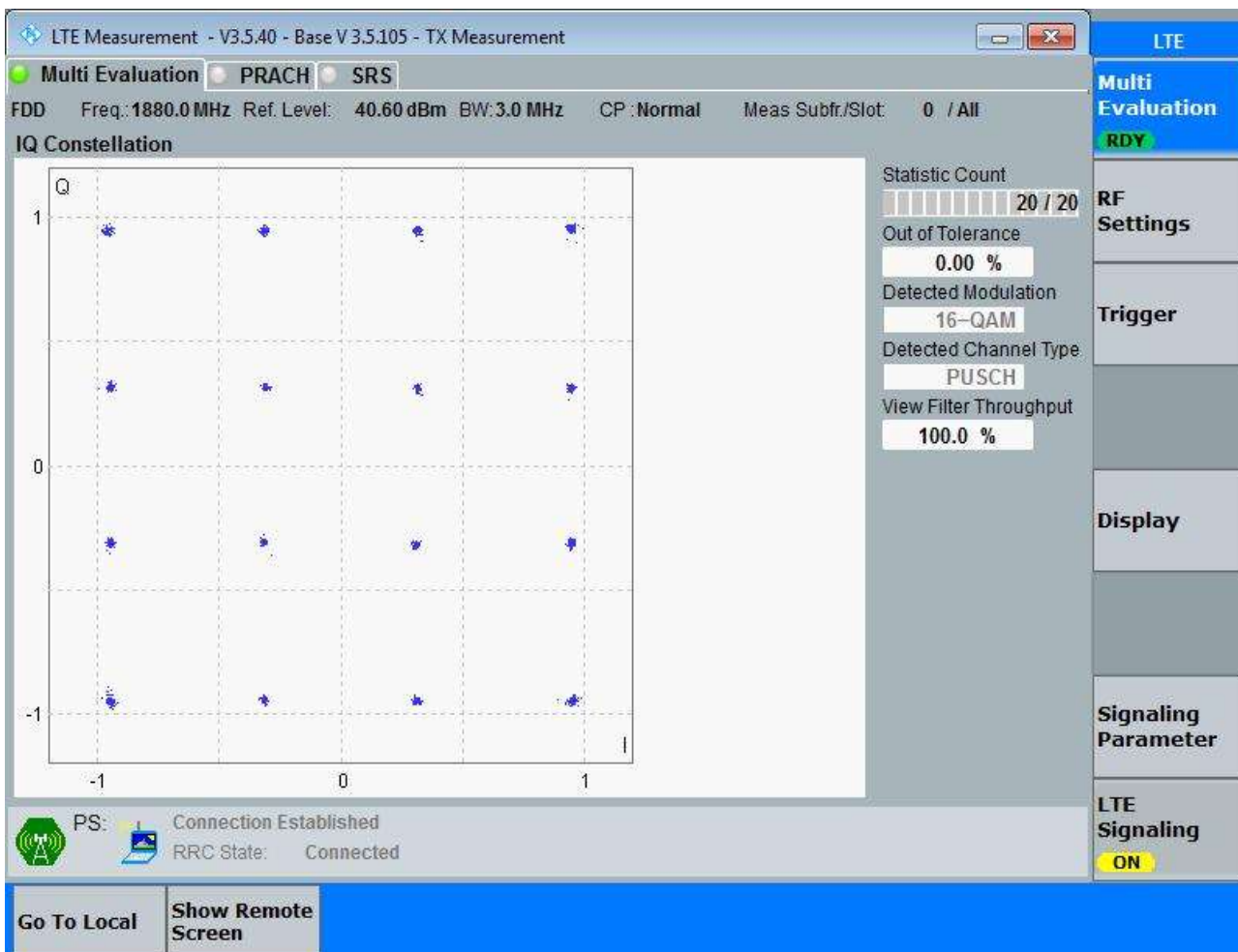




### 3.1.1.2.2 Test Bandwidth = 3

#### 3.1.1.2.2.1 Test Channel = MCH

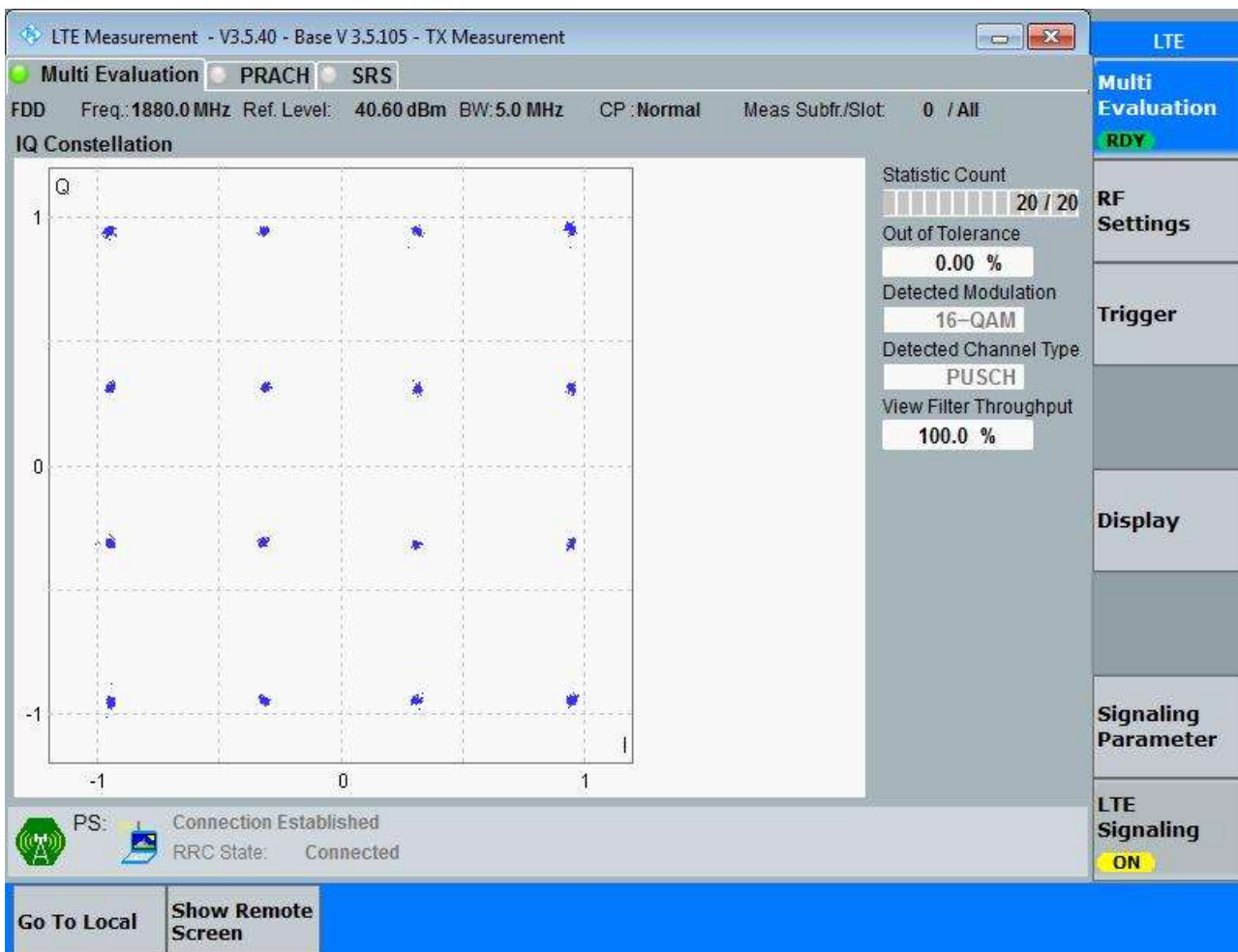
##### 3.1.1.2.2.1.1 Test RB = RB15#0



### 3.1.1.2.3 Test Bandwidth = 5

#### 3.1.1.2.3.1 Test Channel = MCH

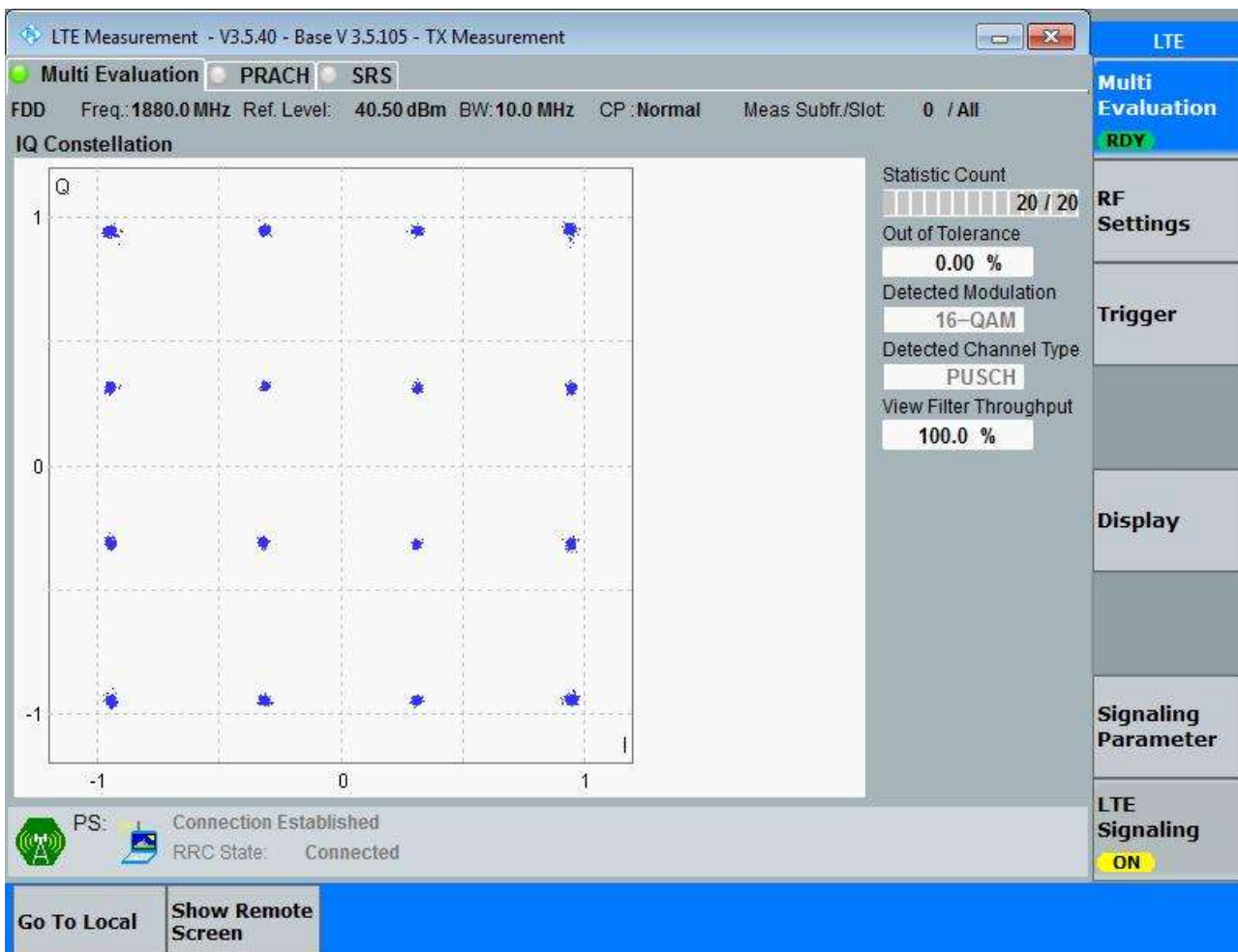
##### 3.1.1.2.3.1.1 Test RB = RB25#0



### 3.1.1.2.4 Test Bandwidth = 10

#### 3.1.1.2.4.1 Test Channel = MCH

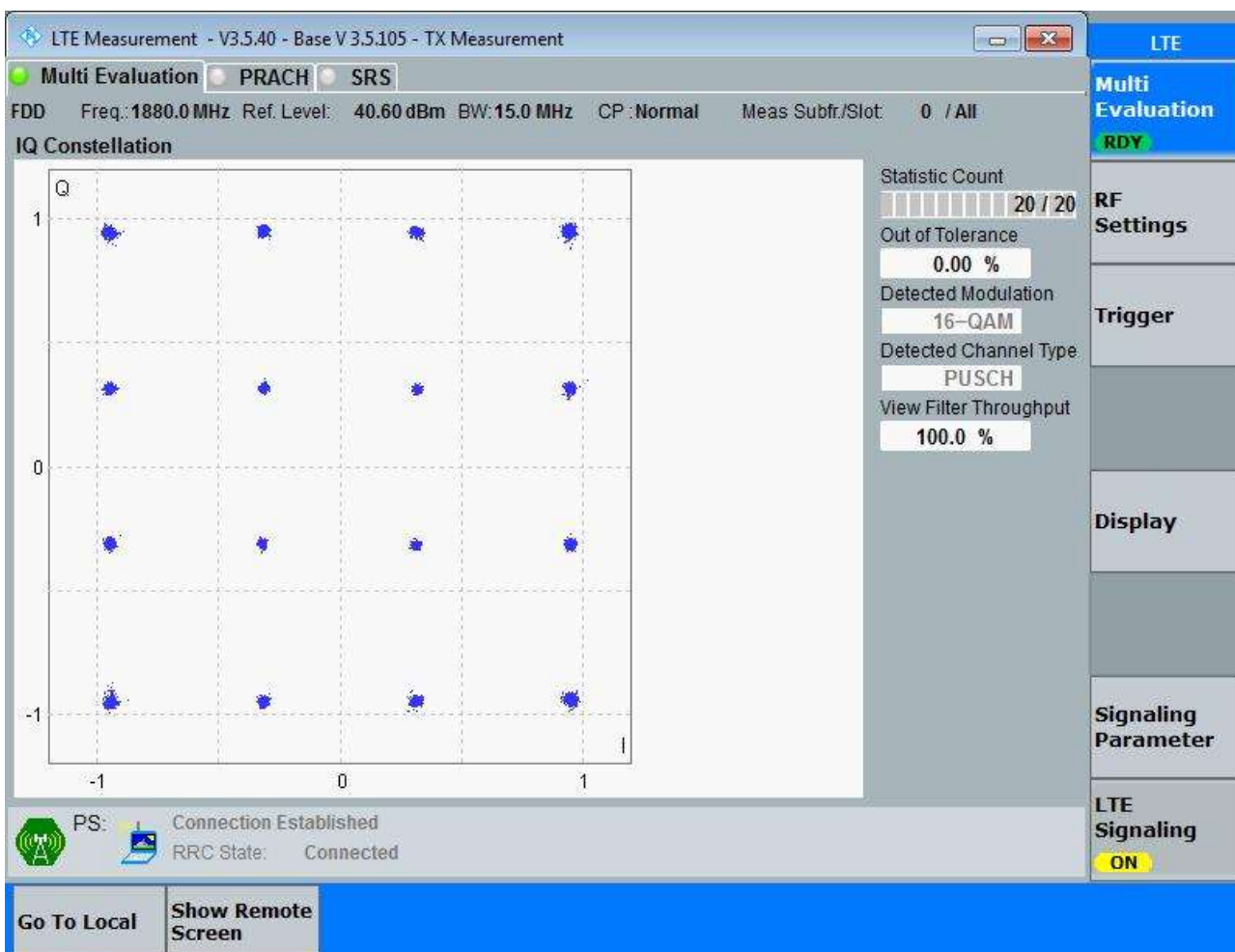
##### 3.1.1.2.4.1.1 Test RB = RB50#0



### 3.1.1.2.5 Test Bandwidth = 15

#### 3.1.1.2.5.1 Test Channel = MCH

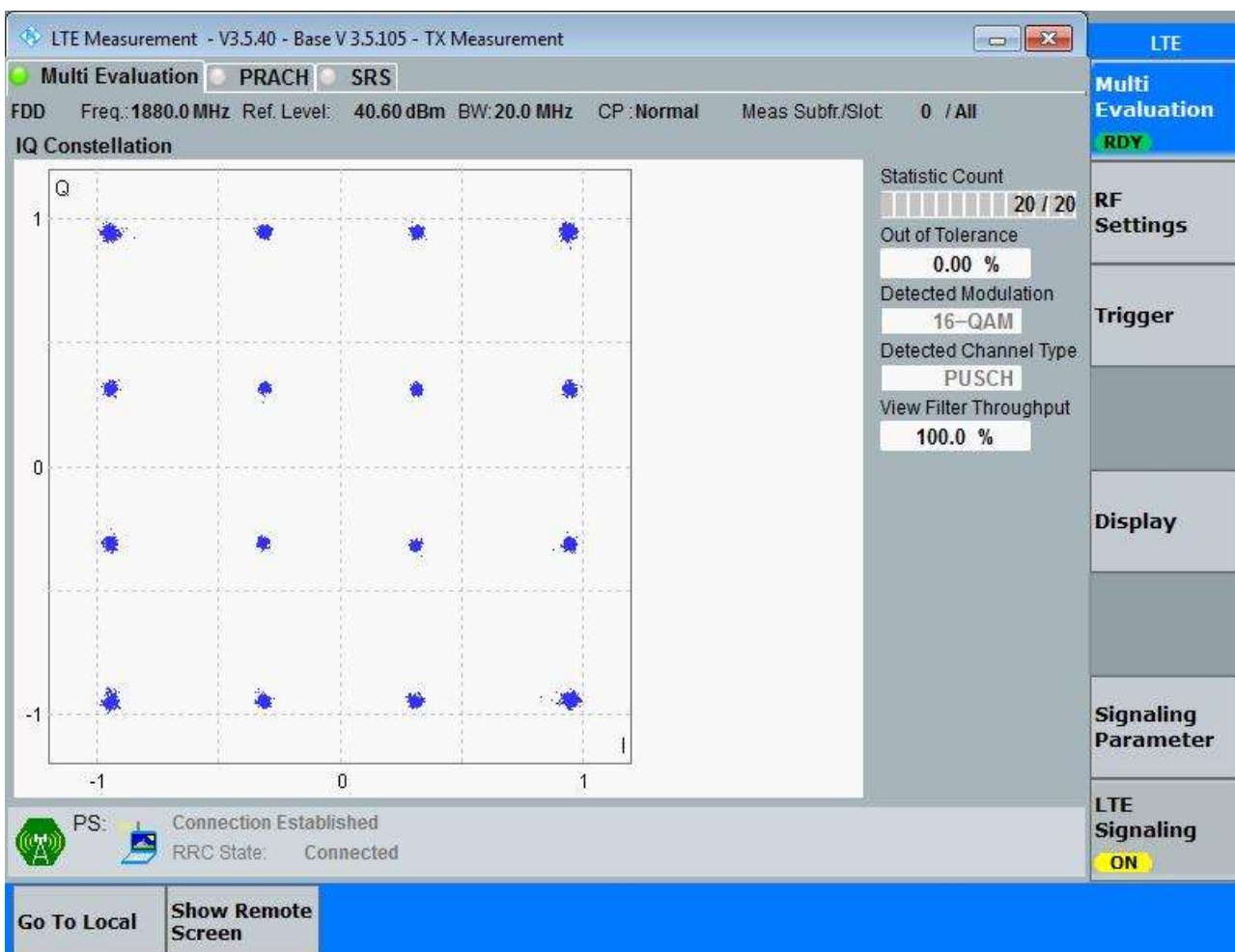
##### 3.1.1.2.5.1.1 Test RB = RB75#0



### 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
Band2	LTE/TM1	1.4	LCH	RB6#0	1.10	1.24	Pass
			MCH	RB6#0	1.10	1.24	Pass
			HCH	RB6#0	1.09	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	4.51	4.96	Pass
			MCH	RB25#0	4.52	4.98	Pass
			HCH	RB25#0	4.53	4.99	Pass
		10	LCH	RB50#0	8.99	9.87	Pass
			MCH	RB50#0	8.98	9.87	Pass
			HCH	RB50#0	9.00	9.89	Pass
		15	LCH	RB75#0	13.51	14.93	Pass
			MCH	RB75#0	13.51	14.90	Pass
			HCH	RB75#0	13.55	14.98	Pass
		20	LCH	RB100#0	18.00	19.83	Pass
			MCH	RB100#0	18.02	19.74	Pass
			HCH	RB100#0	18.03	19.74	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.10	1.24	Pass
			MCH	RB6#0	1.10	1.24	Pass
			HCH	RB6#0	1.09	1.24	Pass
		3	LCH	RB15#0	2.71	2.98	Pass
			MCH	RB15#0	2.71	2.98	Pass
			HCH	RB15#0	2.72	2.99	Pass
		5	LCH	RB25#0	4.52	4.96	Pass
			MCH	RB25#0	4.52	4.99	Pass
			HCH	RB25#0	4.50	4.99	Pass
10		LCH	RB50#0	9.02	9.90	Pass	
		MCH	RB50#0	8.99	9.82	Pass	
		HCH	RB50#0	9.01	9.94	Pass	
15		LCH	RB75#0	13.48	14.93	Pass	
		MCH	RB75#0	13.48	14.98	Pass	
		HCH	RB75#0	13.50	14.99	Pass	
20		LCH	RB100#0	18.02	19.72	Pass	

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
			MCH	RB100#0	18.05	19.75	Pass
			HCH	RB100#0	18.06	19.77	Pass

## Part II - Test Plots

### 4.1 For LTE

#### 4.1.1 Test Band = Band2

##### 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



## 5Appendix\_E: Band Edges Compliance

### Part I - Test Plots

#### 5.1 For LTE

##### 5.1.1 Test Band = Band2

##### 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



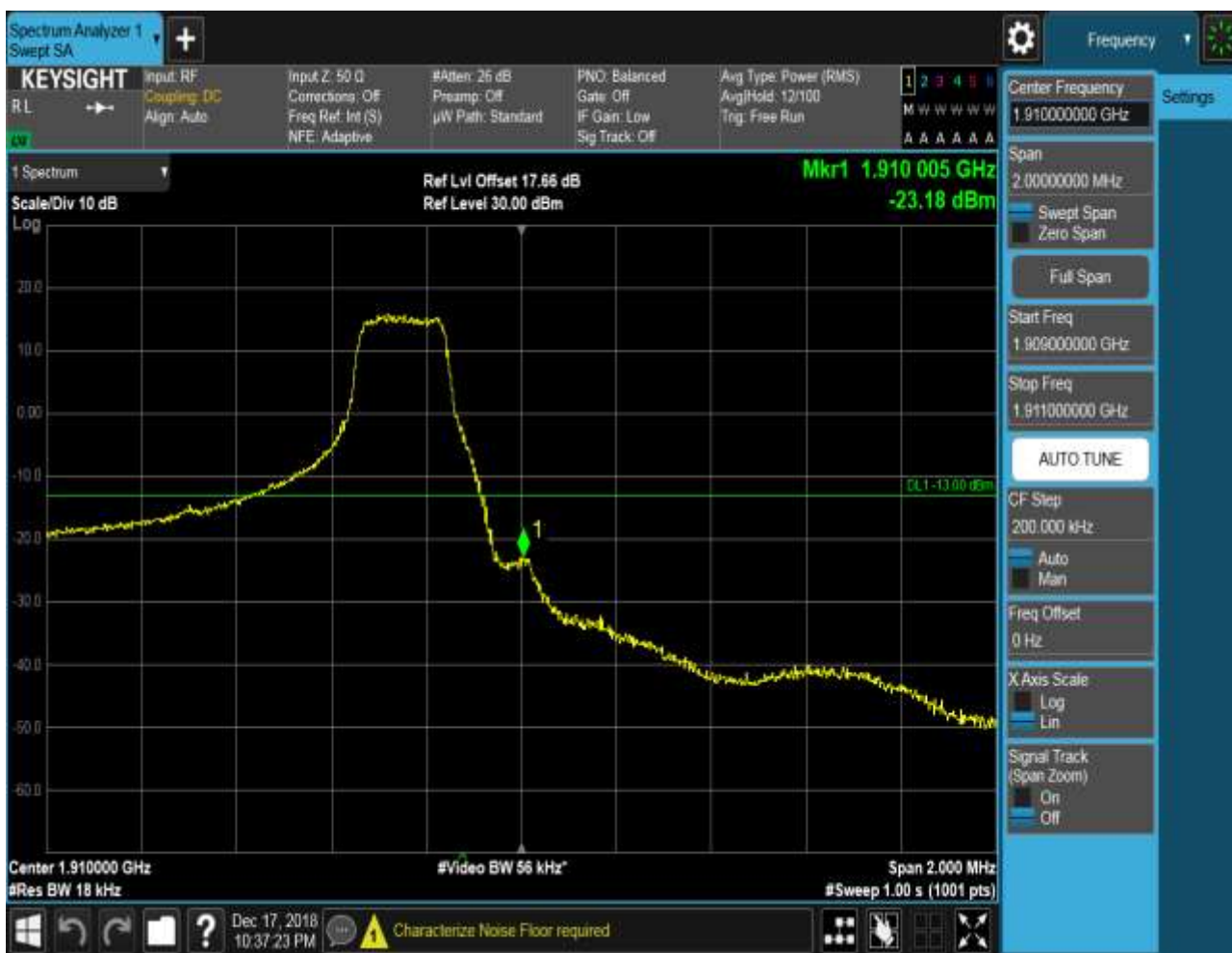
## 5.1.1.1.1.2 Test Channel = HCH

## 5.1.1.1.1.2.1 Test RB = RB1#0





5.1.1.1.2.2 Test RB = RB1#5



## 5.1.1.1.2.3 Test RB = RB3#2



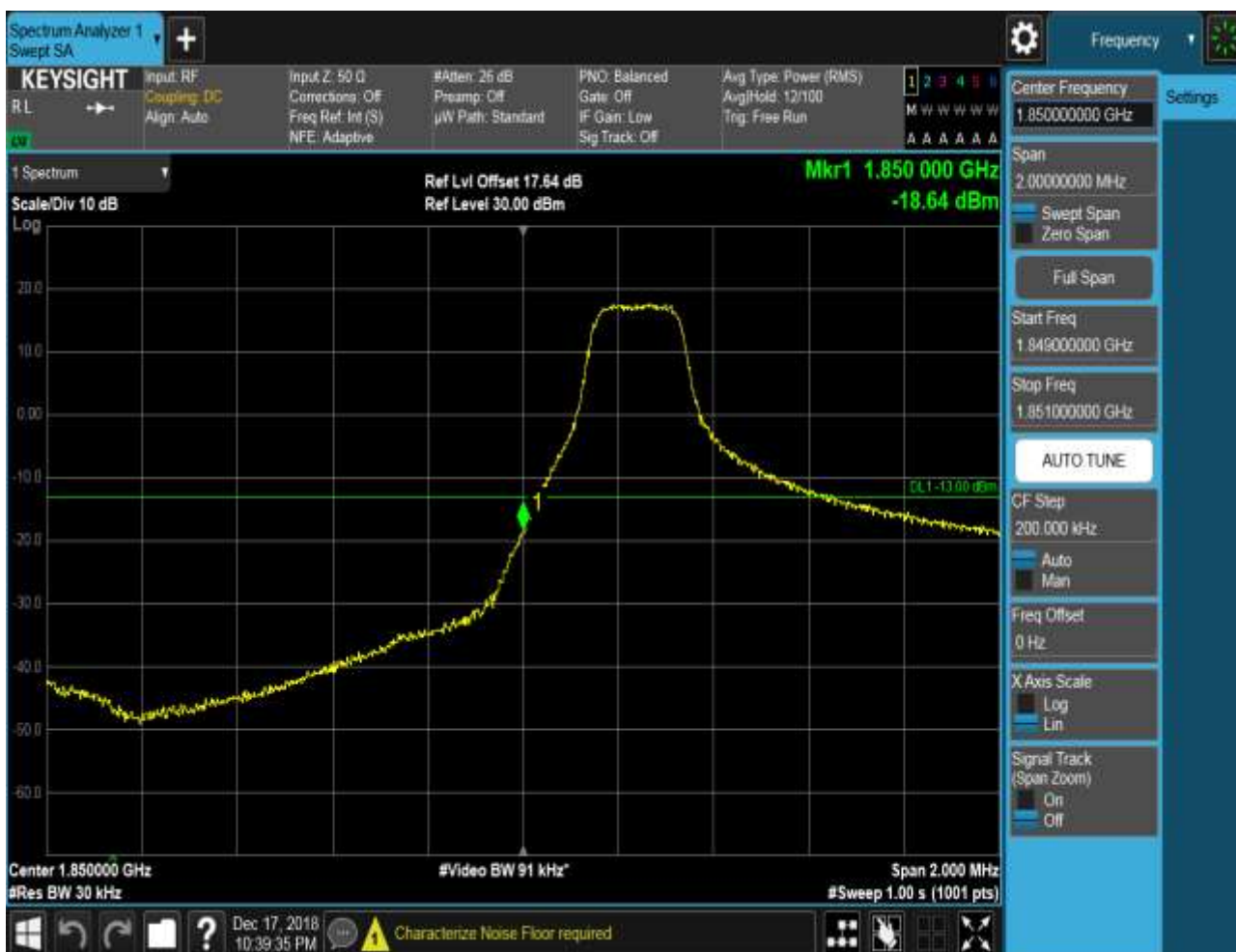
## 5.1.1.1.2.4 Test RB = RB6#0



5.1.1.1.2 Test Bandwidth = 3

5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



## 5.1.1.1.2.1.2 Test RB = RB1#14



## 5.1.1.1.2.1.3 Test RB = RB#4



## 5.1.1.1.2.1.4 Test RB = RB15#0



## 5.1.1.1.2.2 Test Channel = HCH

## 5.1.1.1.2.2.1 Test RB = RB1#0





## 5.1.1.1.2.2.2 Test RB = RB1#14



## 5.1.1.1.2.2.3 Test RB = RB8#4



## 5.1.1.1.2.2.4 Test RB = RB15#0



### 5.1.1.1.3 Test Bandwidth = 5

#### 5.1.1.1.3.1 Test Channel = LCH

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



## 5.1.1.1.3.1.2 Test RB = RB1#24



## 5.1.1.1.3.1.3 Test RB = RB12#6



## 5.1.1.1.3.1.4 Test RB = RB25#0



## 5.1.1.1.3.2 Test Channel = HCH

## 5.1.1.1.3.2.1 Test RB = RB1#0





## 5.1.1.1.3.2.2 Test RB = RB1#24



## 5.1.1.1.3.2.3 Test RB = RB12#6



## 5.1.1.1.3.2.4 Test RB = RB25#0



#### 5.1.1.1.4 Test Bandwidth = 10

##### 5.1.1.1.4.1 Test Channel = LCH

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



## 5.1.1.1.4.1.2 Test RB = RB1#49



### 5.1.1.1.4.1.3 Test RB = RB25#13



## 5.1.1.1.4.1.4 Test RB = RB50#0



## 5.1.1.1.4.2 Test Channel = HCH

## 5.1.1.1.4.2.1 Test RB = RB1#0





## 5.1.1.1.4.2.2 Test RB = RB1#49



## 5.1.1.1.4.2.3 Test RB = RB25#13



## 5.1.1.1.4.2.4 Test RB = RB50#0



### 5.1.1.1.5 Test Bandwidth = 15

#### 5.1.1.1.5.1 Test Channel = LCH

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



## 5.1.1.1.5.1.2 Test RB = RB1#74



## 5.1.1.1.5.1.3 Test RB = RB38#19



## 5.1.1.1.5.1.4 Test RB = RB75#0



## 5.1.1.1.5.2 Test Channel = HCH

## 5.1.1.1.5.2.1 Test RB = RB1#0





## 5.1.1.1.5.2.2 Test RB = RB1#74



## 5.1.1.1.5.2.3 Test RB = RB38#19



## 5.1.1.1.5.2.4 Test RB = RB75#0



**5.1.1.1.6 Test Bandwidth = 20****5.1.1.1.6.1 Test Channel = LCH****5.1.1.1.6.1.1 Test RB = RB1#0**

## 5.1.1.1.6.1.2 Test RB = RB1#99



## 5.1.1.1.6.1.3 Test RB = RB50#25



## 5.1.1.1.6.1.4 Test RB = RB100#0



## 5.1.1.1.6.2 Test Channel = HCH

## 5.1.1.1.6.2.1 Test RB = RB1#0





## 5.1.1.1.6.2.2 Test RB = RB1#99



## 5.1.1.1.6.2.3 Test RB = RB50#25

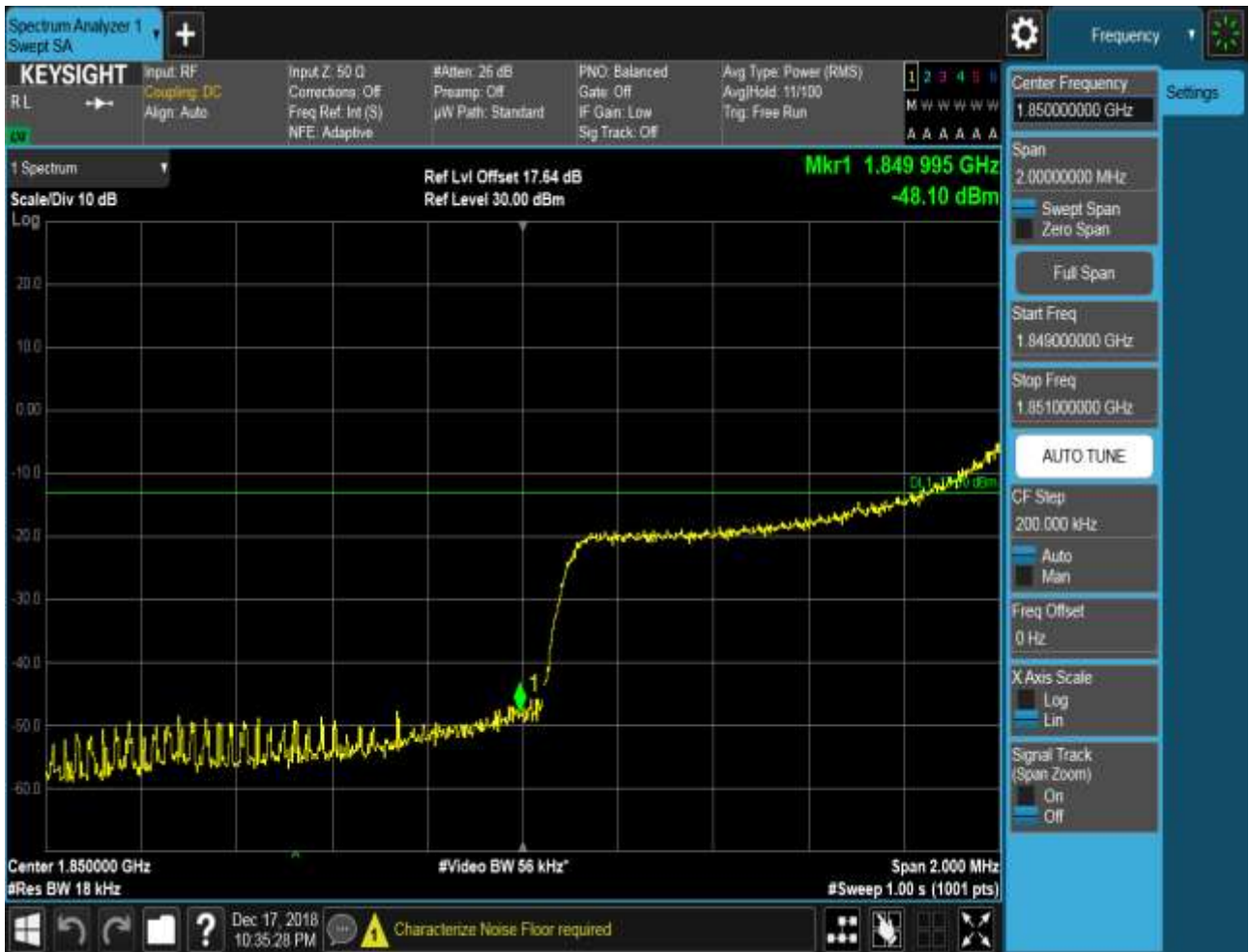


## 5.1.1.1.6.2.4 Test RB = RB100#0



**5.1.1.2 Test Mode = LTE/TM2****5.1.1.2.1 Test Bandwidth = 1.4****5.1.1.2.1.1 Test Channel = LCH****5.1.1.2.1.1.1 Test RB = RB1#0**

## 5.1.1.2.1.1.2 Test RB = RB1#5



## 5.1.1.2.1.1.3 Test RB = RB3#2

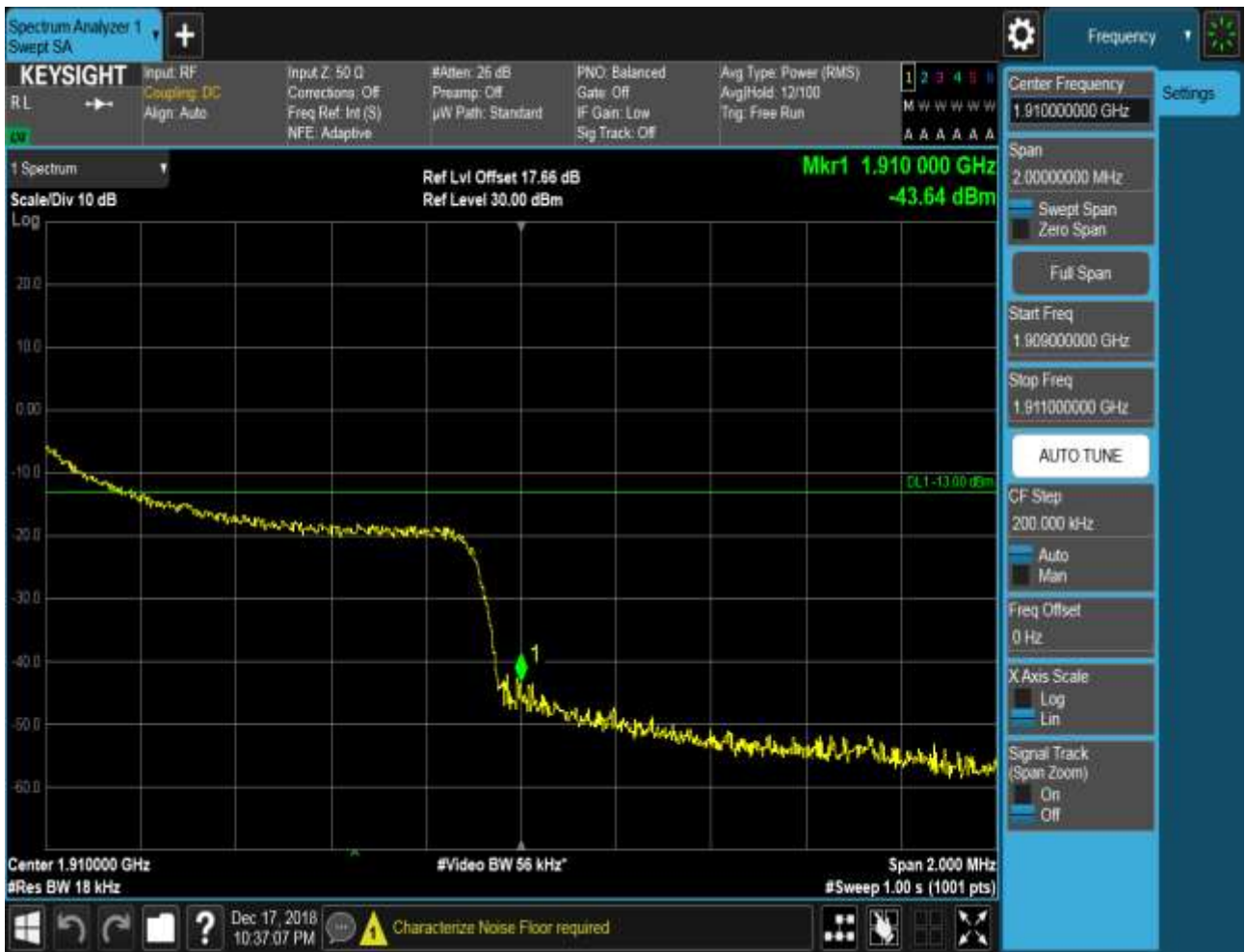


## 5.1.1.2.1.1.4 Test RB = RB6#0



## 5.1.1.2.1.2 Test Channel = HCH

## 5.1.1.2.1.2.1 Test RB = RB1#0



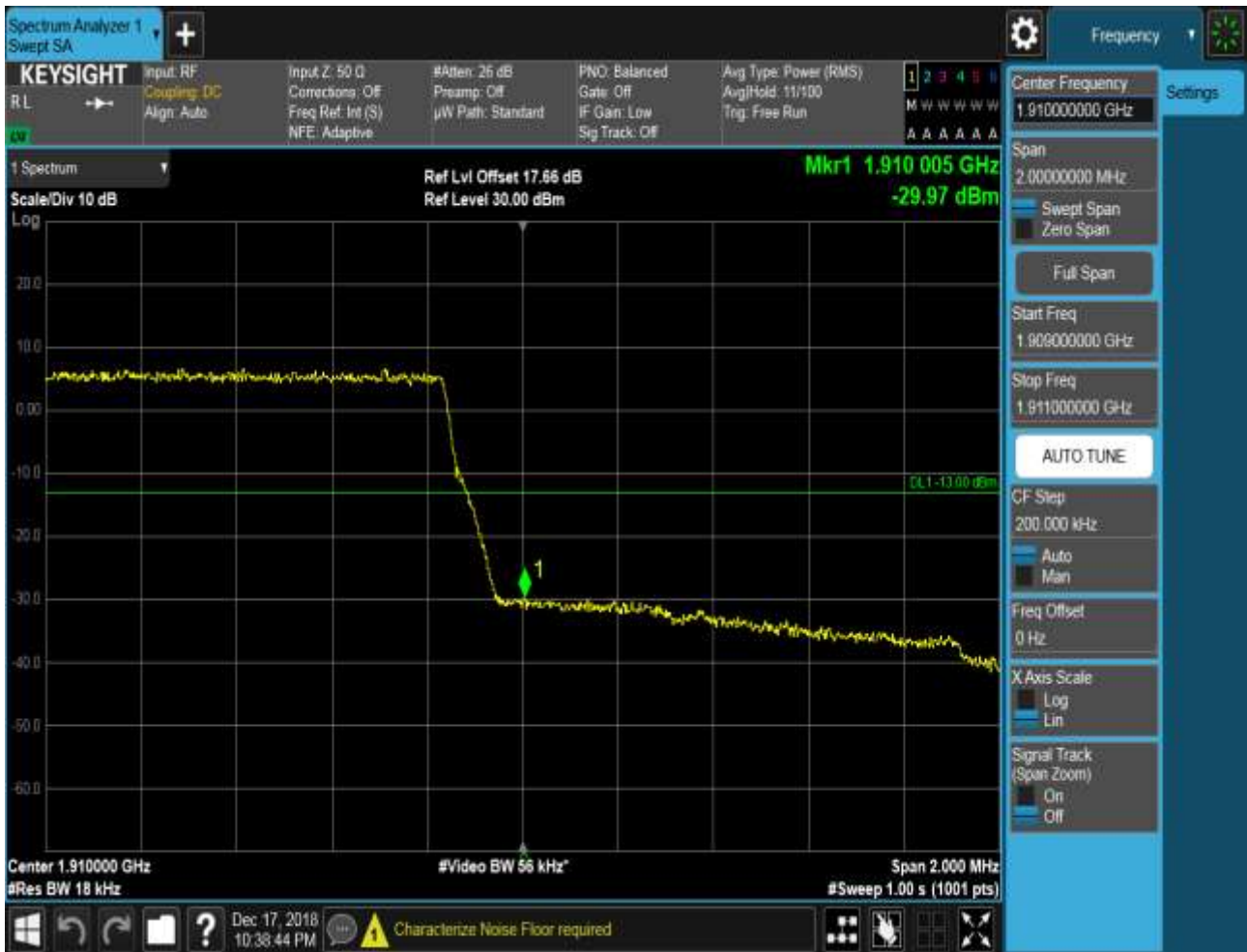




## 5.1.1.2.1.2.3 Test RB = RB3#2



## 5.1.1.2.1.2.4 Test RB = RB6#0





## 5.1.1.2.1.2 Test RB = RB1#14



## 5.1.1.2.2.1.3 Test RB = RB8#4

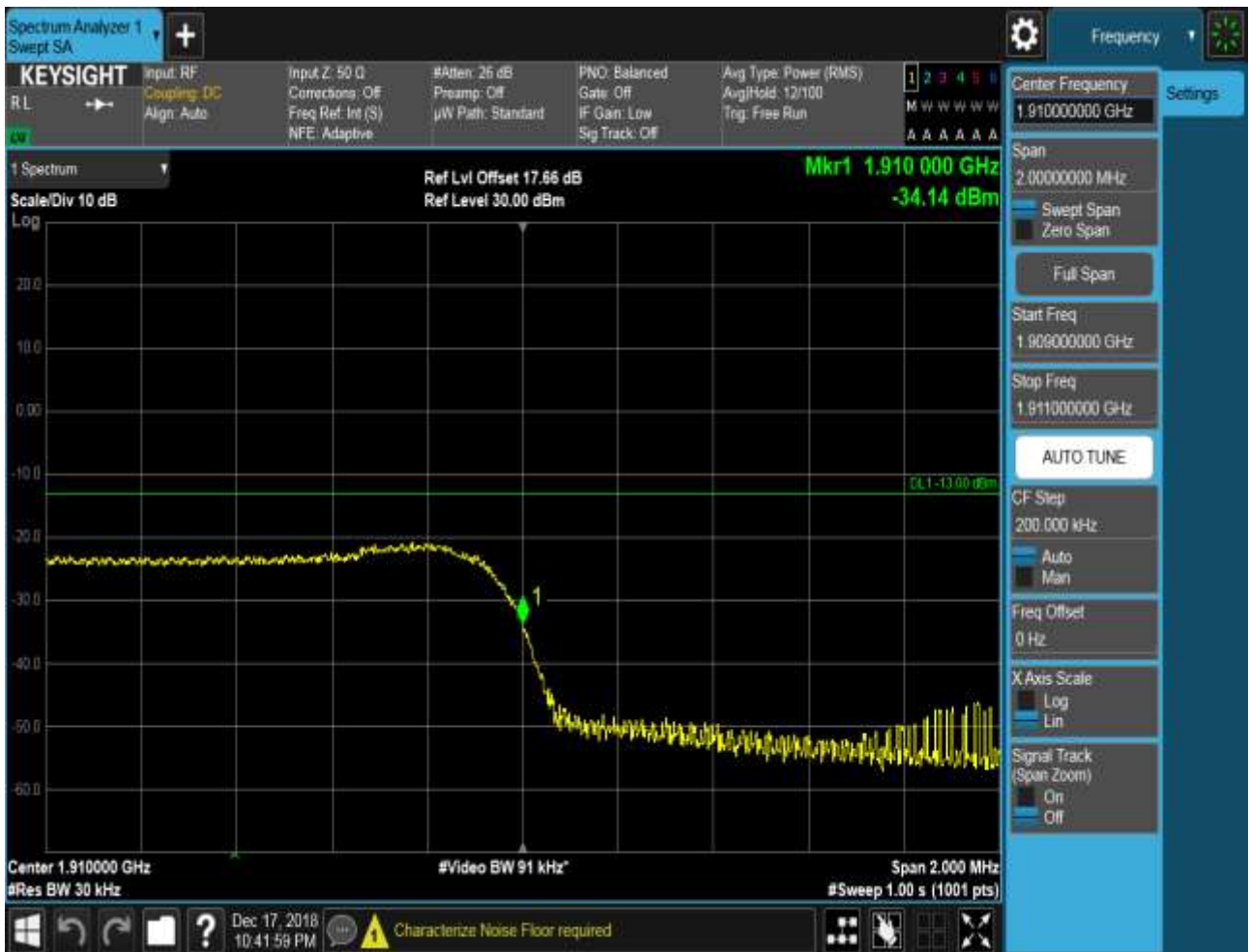


## 5.1.1.2.2.1.4 Test RB = RB15#0



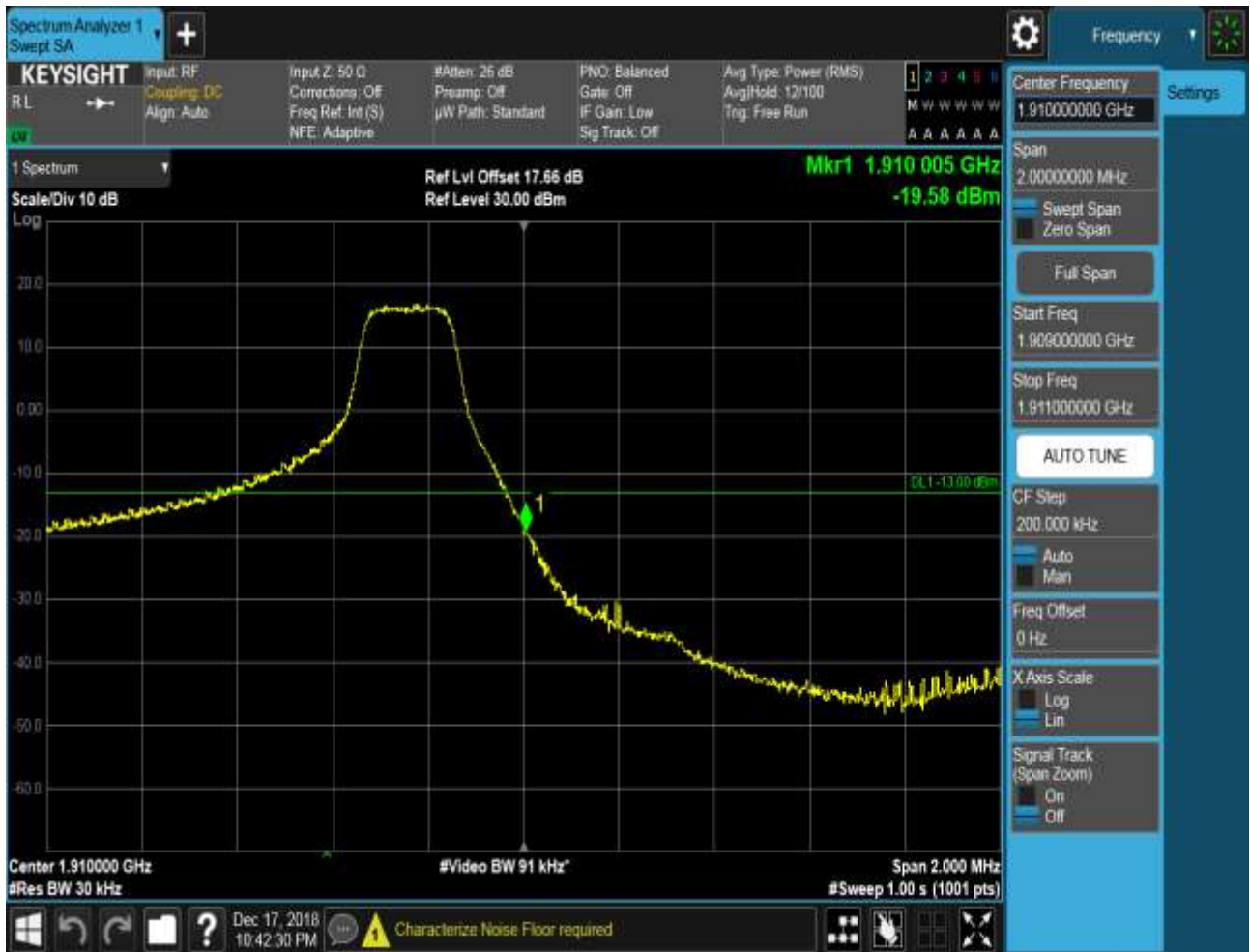
## 5.1.1.2.2.2 Test Channel = HCH

## 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



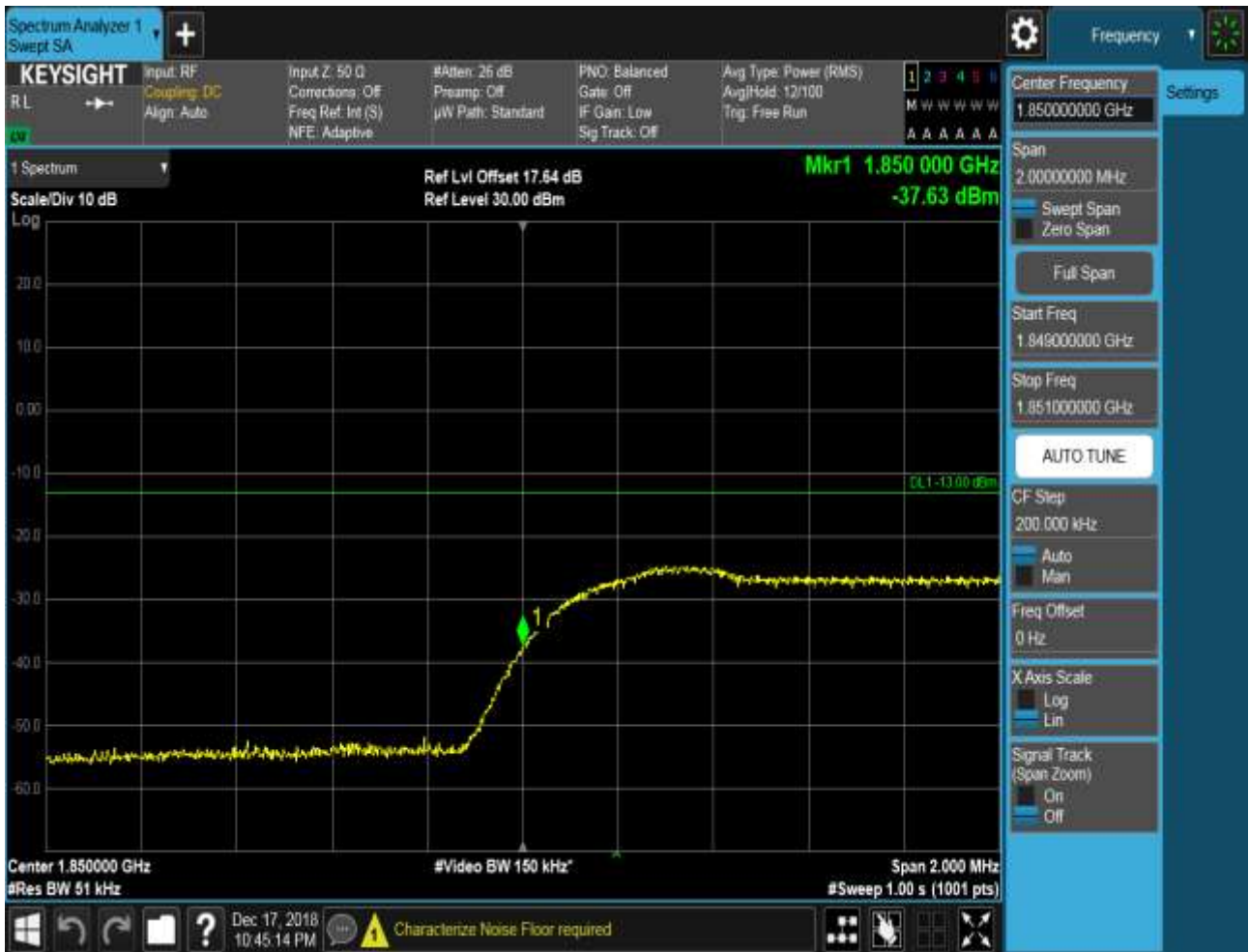
### 5.1.1.2.3 Test Bandwidth = 5

#### 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

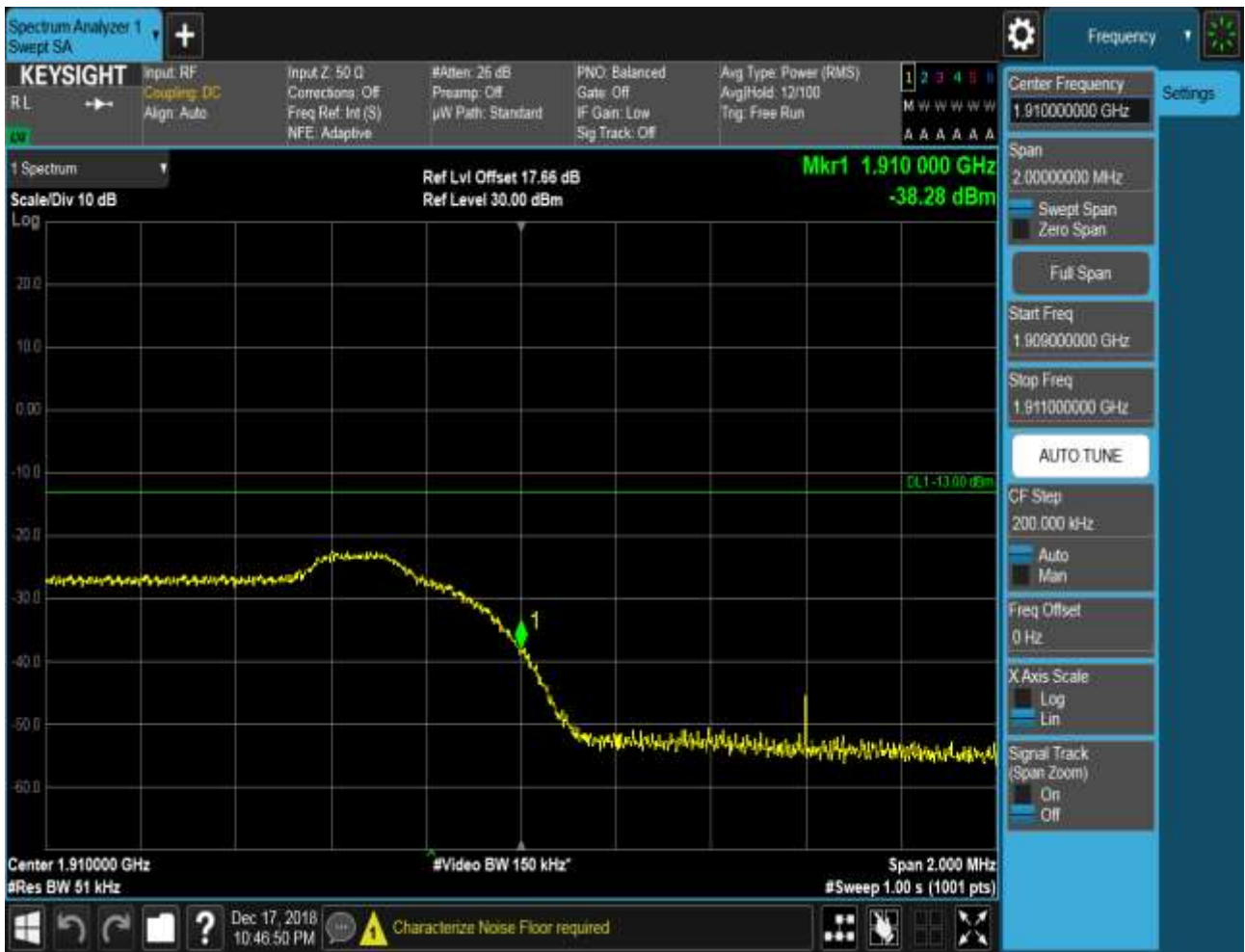


### 5.1.1.2.3.1.4 Test RB = RB25#0



## 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





5.1.1.2.4.2.2 Test RB = RB1#49

