

# Appendix for test report

# 1Appendix\_A: Effective (Isotropic) Radiated Power Output Data

## Part I - Test Results

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
Band4	LTE/TM1	1.4	LCH	RB1#0	22.69	21.69	30	PASS
				RB1#3	22.67	21.67	30	PASS
				RB1#5	22.67	21.67	30	PASS
				RB3#0	22.72	21.72	30	PASS
				RB3#2	22.78	21.78	30	PASS
				RB3#3	22.64	21.64	30	PASS
				RB6#0	21.55	20.55	30	PASS
			MCH	RB1#0	23.02	22.02	30	PASS
				RB1#3	22.99	21.99	30	PASS
				RB1#5	23.12	22.12	30	PASS
				RB3#0	23.17	22.17	30	PASS
				RB3#2	23.15	22.15	30	PASS
				RB3#3	23.13	22.13	30	PASS
				RB6#0	22.01	21.01	30	PASS
HCH	RB1#0	23.15	22.15	30	PASS			

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#3	23.18	22.18	30	PASS
				RB1#5	23.12	22.12	30	PASS
				RB3#0	23.18	22.18	30	PASS
				RB3#2	23.25	22.25	30	PASS
				RB3#3	23.14	22.14	30	PASS
				RB6#0	22.13	21.13	30	PASS
		3	LCH	RB1#0	22.77	21.77	30	PASS
				RB1#7	22.51	21.51	30	PASS
				RB1#14	22.53	21.53	30	PASS
				RB8#0	21.63	20.63	30	PASS
				RB8#4	21.60	20.60	30	PASS
				RB8#7	21.61	20.61	30	PASS
				RB15#0	21.59	20.59	30	PASS
				MCH	RB1#0	23.11	22.11	30
		RB1#7	22.99		21.99	30	PASS	
		RB1#14	22.97		21.97	30	PASS	
RB8#0	22.13	21.13	30		PASS			

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#4	22.07	21.07	30	PASS
				RB8#7	22.08	21.08	30	PASS
				RB15#0	22.07	21.07	30	PASS
			HCH	RB1#0	23.10	22.10	30	PASS
				RB1#7	23.16	22.16	30	PASS
				RB1#14	23.07	22.07	30	PASS
				RB8#0	22.14	21.14	30	PASS
				RB8#4	22.17	21.17	30	PASS
				RB8#7	22.12	21.12	30	PASS
		RB15#0	22.16	21.16	30	PASS		
		5	LCH	RB1#0	22.86	21.86	30	PASS
				RB1#13	22.61	21.61	30	PASS
				RB1#24	22.52	21.52	30	PASS
				RB12#0	21.75	20.75	30	PASS
				RB12#6	21.68	20.68	30	PASS
RB12#13	21.60			20.60	30	PASS		
RB25#0	21.70			20.70	30	PASS		

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	23.13	22.13	30	PASS
				RB1#13	23.13	22.13	30	PASS
				RB1#24	23.09	22.09	30	PASS
				RB12#0	22.26	21.26	30	PASS
				RB12#6	22.12	21.12	30	PASS
				RB12#13	22.04	21.04	30	PASS
				RB25#0	22.09	21.09	30	PASS
			HCH	RB1#0	23.24	22.24	30	PASS
				RB1#13	23.21	22.21	30	PASS
				RB1#24	23.14	22.14	30	PASS
				RB12#0	22.26	21.26	30	PASS
				RB12#6	22.13	21.13	30	PASS
				RB12#13	22.23	21.23	30	PASS
				RB25#0	22.18	21.18	30	PASS
		10	LCH	RB1#0	22.79	21.79	30	PASS
RB1#25	22.54	21.54		30	PASS			
RB1#49	22.58	21.58		30	PASS			

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#0	21.78	20.78	30	PASS
				RB25#13	21.67	20.67	30	PASS
				RB25#25	21.64	20.64	30	PASS
				RB50#0	21.70	20.70	30	PASS
			MCH	RB1#0	23.11	22.11	30	PASS
				RB1#25	23.01	22.01	30	PASS
				RB1#49	23.24	22.24	30	PASS
				RB25#0	22.14	21.14	30	PASS
				RB25#13	22.09	21.09	30	PASS
				RB25#25	22.04	21.04	30	PASS
				RB50#0	22.09	21.09	30	PASS
			HCH	RB1#0	23.21	22.21	30	PASS
				RB1#25	23.21	22.21	30	PASS
				RB1#49	23.33	22.33	30	PASS
				RB25#0	22.24	21.24	30	PASS
				RB25#13	22.24	21.24	30	PASS
				RB25#25	22.26	21.26	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
		15		RB50#0	22.22	21.22	30	PASS
			LCH	RB1#0	22.36	21.36	30	PASS
				RB1#38	22.71	21.71	30	PASS
				RB1#74	22.72	21.72	30	PASS
				RB38#0	21.46	20.46	30	PASS
				RB38#19	21.69	20.69	30	PASS
				RB38#39	21.71	20.71	30	PASS
				RB75#0	21.52	20.52	30	PASS
				MCH	RB1#0	22.65	21.65	30
			RB1#38		23.11	22.11	30	PASS
			RB1#74		23.13	22.13	30	PASS
			RB38#0		21.81	20.81	30	PASS
			RB38#19		22.12	21.12	30	PASS
			RB38#39		22.12	21.12	30	PASS
			RB75#0		21.88	20.88	30	PASS
			HCH	RB1#0	22.74	21.74	30	PASS
				RB1#38	23.14	22.14	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict	
				RB1#74	23.16	22.16	30	PASS	
				RB38#0	21.89	20.89	30	PASS	
				RB38#19	22.14	21.14	30	PASS	
				RB38#39	22.20	21.20	30	PASS	
				RB75#0	21.99	20.99	30	PASS	
		20	LCH	RB1#0	22.91	21.91	30	PASS	
				RB1#50	22.78	21.78	30	PASS	
				RB1#99	22.38	21.38	30	PASS	
				RB50#0	21.77	20.77	30	PASS	
				RB50#25	21.70	20.70	30	PASS	
				RB50#50	21.64	20.64	30	PASS	
				RB100#0	21.68	20.68	30	PASS	
				MCH	RB1#0	23.12	22.12	30	PASS
					RB1#50	23.07	22.07	30	PASS
					RB1#99	22.79	21.79	30	PASS
RB50#0	22.14	21.14	30		PASS				
RB50#25	22.12	21.12	30		PASS				



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#50	21.99	20.99	30	PASS
				RB100#0	22.05	21.05	30	PASS
			HCH	RB1#0	23.17	22.17	30	PASS
				RB1#50	23.23	22.23	30	PASS
				RB1#99	22.83	21.83	30	PASS
				RB50#0	22.35	21.35	30	PASS
				RB50#25	22.17	21.17	30	PASS
				RB50#50	22.08	21.08	30	PASS
				RB100#0	22.07	21.07	30	PASS
			LCH	RB1#0	21.85	20.85	30	PASS
				RB1#3	21.80	20.80	30	PASS
				RB1#5	21.77	20.77	30	PASS
				RB3#0	21.69	20.69	30	PASS
				RB3#2	21.76	20.76	30	PASS
				RB3#3	21.65	20.65	30	PASS
RB6#0	20.75	19.75		30	PASS			
MCH	RB1#0	22.09		21.09	30	PASS		

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#3	22.10	21.10	30	PASS
				RB1#5	22.16	21.16	30	PASS
				RB3#0	22.38	21.38	30	PASS
				RB3#2	22.32	21.32	30	PASS
				RB3#3	22.24	21.24	30	PASS
				RB6#0	21.21	20.21	30	PASS
			HCH	RB1#0	22.65	21.65	30	PASS
				RB1#3	22.61	21.61	30	PASS
				RB1#5	22.62	21.62	30	PASS
				RB3#0	22.42	21.42	30	PASS
				RB3#2	22.37	21.37	30	PASS
				RB3#3	22.32	21.32	30	PASS
		3	LCH	RB1#0	22.25	21.25	30	PASS
				RB1#7	22.10	21.10	30	PASS
				RB1#14	22.07	21.07	30	PASS
				RB8#0	20.75	19.75	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#4	20.70	19.70	30	PASS
				RB8#7	20.70	19.70	30	PASS
				RB15#0	20.63	19.63	30	PASS
			MCH	RB1#0	22.07	21.07	30	PASS
				RB1#7	22.12	21.12	30	PASS
				RB1#14	21.97	20.97	30	PASS
				RB8#0	21.24	20.24	30	PASS
				RB8#4	21.21	20.21	30	PASS
				RB8#7	21.23	20.23	30	PASS
				RB15#0	21.13	20.13	30	PASS
			HCH	RB1#0	22.16	21.16	30	PASS
				RB1#7	22.25	21.25	30	PASS
				RB1#14	22.12	21.12	30	PASS
				RB8#0	21.19	20.19	30	PASS
				RB8#4	21.24	20.24	30	PASS
RB8#7	21.18	20.18		30	PASS			
RB15#0	21.15	20.15		30	PASS			

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
		5	LCH	RB1#0	22.35	21.35	30	PASS
				RB1#13	22.10	21.10	30	PASS
				RB1#24	22.03	21.03	30	PASS
				RB12#0	20.89	19.89	30	PASS
				RB12#6	20.84	19.84	30	PASS
				RB12#13	20.72	19.72	30	PASS
				RB25#0	20.75	19.75	30	PASS
			MCH	RB1#0	22.33	21.33	30	PASS
				RB1#13	22.28	21.28	30	PASS
				RB1#24	22.31	21.31	30	PASS
				RB12#0	21.36	20.36	30	PASS
				RB12#6	21.20	20.20	30	PASS
				RB12#13	21.16	20.16	30	PASS
				RB25#0	21.11	20.11	30	PASS
			HCH	RB1#0	22.36	21.36	30	PASS
				RB1#13	22.27	21.27	30	PASS
				RB1#24	22.29	21.29	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict	
				RB12#0	21.33	20.33	30	PASS	
				RB12#6	21.14	20.14	30	PASS	
				RB12#13	21.21	20.21	30	PASS	
				RB25#0	21.15	20.15	30	PASS	
		10	LCH	RB1#0	22.24	21.24	30	PASS	
				RB1#25	22.13	21.13	30	PASS	
				RB1#49	22.25	21.25	30	PASS	
				RB25#0	20.74	19.74	30	PASS	
				RB25#13	20.70	19.70	30	PASS	
				RB25#25	20.66	19.66	30	PASS	
				RB50#0	20.70	19.70	30	PASS	
				MCH	RB1#0	22.31	21.31	30	PASS
					RB1#25	22.07	21.07	30	PASS
					RB1#49	22.18	21.18	30	PASS
RB25#0	21.17	20.17	30		PASS				
RB25#13	21.12	20.12	30		PASS				
RB25#25	21.07	20.07	30		PASS				

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict	
			HCH	RB50#0	21.07	20.07	30	PASS	
				RB1#0	22.24	21.24	30	PASS	
				RB1#25	22.24	21.24	30	PASS	
				RB1#49	22.29	21.29	30	PASS	
				RB25#0	21.38	20.38	30	PASS	
				RB25#13	21.35	20.35	30	PASS	
				RB25#25	21.33	20.33	30	PASS	
				RB50#0	21.26	20.26	30	PASS	
		15	LCH	RB1#0	21.77	20.77	30	PASS	
				RB1#38	22.18	21.18	30	PASS	
				RB1#74	22.17	21.17	30	PASS	
				RB38#0	20.53	19.53	30	PASS	
				RB38#19	20.78	19.78	30	PASS	
				RB38#39	20.78	19.78	30	PASS	
				RB75#0	20.55	19.55	30	PASS	
				MCH	RB1#0	21.56	20.56	30	PASS
					RB1#38	22.04	21.04	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#74	22.12	21.12	30	PASS
				RB38#0	20.82	19.82	30	PASS
				RB38#19	21.08	20.08	30	PASS
				RB38#39	21.14	20.14	30	PASS
				RB75#0	20.88	19.88	30	PASS
			HCH	RB1#0	22.19	21.19	30	PASS
				RB1#38	22.56	21.56	30	PASS
				RB1#74	22.61	21.61	30	PASS
				RB38#0	20.88	19.88	30	PASS
				RB38#19	21.13	20.13	30	PASS
		20	LCH	RB38#39	21.18	20.18	30	PASS
				RB75#0	21.01	20.01	30	PASS
				RB1#0	22.36	21.36	30	PASS
				RB1#50	22.16	21.16	30	PASS
				RB1#99	21.74	20.74	30	PASS
				RB50#0	20.78	19.78	30	PASS
				RB50#25	20.74	19.74	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#50	20.64	19.64	30	PASS
				RB100#0	20.64	19.64	30	PASS
			MCH	RB1#0	22.69	21.69	30	PASS
				RB1#50	22.61	21.61	30	PASS
				RB1#99	22.31	21.31	30	PASS
				RB50#0	21.13	20.13	30	PASS
				RB50#25	21.15	20.15	30	PASS
				RB50#50	21.00	20.00	30	PASS
				RB100#0	21.09	20.09	30	PASS
				HCH	RB1#0	22.71	21.71	30
			RB1#50		22.64	21.64	30	PASS
			RB1#99		22.33	21.33	30	PASS
			RB50#0		21.32	20.32	30	PASS
			RB50#25		21.17	20.17	30	PASS
			RB50#50		21.07	20.07	30	PASS
			RB100#0		21.11	20.11	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	5.02	13	PASS
				RB1#3	4.79	13	PASS
				RB1#5	4.90	13	PASS
				RB3#0	4.79	13	PASS
				RB3#2	4.80	13	PASS
				RB3#3	4.88	13	PASS
			RB6#0	6.23	13	PASS	
			MCH	RB1#0	4.36	13	PASS
				RB1#3	4.24	13	PASS
				RB1#5	4.24	13	PASS
				RB3#0	4.85	13	PASS
				RB3#2	4.68	13	PASS
				RB3#3	4.87	13	PASS
			RB6#0	5.80	13	PASS	
			HCH	RB1#0	4.64	13	PASS
				RB1#3	4.56	13	PASS
				RB1#5	4.56	13	PASS
				RB3#0	4.57	13	PASS
		RB3#2		4.37	13	PASS	
		RB3#3		4.57	13	PASS	
		RB6#0	5.74	13	PASS		
		3	LCH	RB1#0	4.55	13	PASS
				RB1#7	4.52	13	PASS
				RB1#14	4.71	13	PASS
				RB8#0	5.47	13	PASS
				RB8#4	5.42	13	PASS
				RB8#7	5.54	13	PASS
			RB15#0	5.64	13	PASS	
			MCH	RB1#0	4.29	13	PASS
				RB1#7	4.27	13	PASS
RB1#14	4.37			13	PASS		
RB8#0	5.66			13	PASS		
RB8#4	5.54			13	PASS		
RB8#7	5.47	13		PASS			
RB15#0	5.35	13	PASS				
HCH	RB1#0	4.32	13	PASS			

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		5		RB1#7	4.27	13	PASS
				RB1#14	4.39	13	PASS
				RB8#0	5.83	13	PASS
				RB8#4	5.81	13	PASS
				RB8#7	5.86	13	PASS
				RB15#0	5.93	13	PASS
			LCH	RB1#0	4.51	13	PASS
				RB1#13	4.64	13	PASS
				RB1#24	4.90	13	PASS
				RB12#0	5.42	13	PASS
				RB12#6	5.49	13	PASS
				RB12#13	5.64	13	PASS
		MCH	RB25#0	5.69	13	PASS	
			RB1#0	4.73	13	PASS	
			RB1#13	4.66	13	PASS	
			RB1#24	4.81	13	PASS	
			RB12#0	5.31	13	PASS	
			RB12#6	5.45	13	PASS	
		HCH	RB12#13	5.47	13	PASS	
			RB25#0	5.47	13	PASS	
			RB1#0	4.38	13	PASS	
			RB1#13	4.42	13	PASS	
			RB1#24	4.60	13	PASS	
			RB12#0	5.43	13	PASS	
		10	LCH	RB12#6	5.34	13	PASS
				RB12#13	5.51	13	PASS
				RB25#0	5.82	13	PASS
				RB1#0	4.57	13	PASS
				RB1#25	4.73	13	PASS
				RB1#49	4.86	13	PASS
MCH	RB25#0		5.63	13	PASS		
	RB25#13		5.64	13	PASS		
	RB25#25		5.81	13	PASS		
	RB50#0		5.96	13	PASS		
	RB1#0		4.31	13	PASS		
	RB1#25		4.28	13	PASS		
RB1#49	4.21	13	PASS				
RB25#0	5.36	13	PASS				
RB25#13	5.34	13	PASS				
RB25#25	5.43	13	PASS				

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict		
		15	HCH	RB50#0	5.97	13	PASS		
				RB1#0	4.12	13	PASS		
				RB1#25	4.21	13	PASS		
				RB1#49	4.28	13	PASS		
				RB25#0	5.32	13	PASS		
				RB25#13	5.36	13	PASS		
				RB25#25	5.57	13	PASS		
				RB50#0	5.83	13	PASS		
		15	LCH	RB1#0	4.78	13	PASS		
				RB1#38	4.72	13	PASS		
				RB1#74	4.78	13	PASS		
				RB38#0	5.65	13	PASS		
				RB38#19	5.87	13	PASS		
				RB38#39	5.78	13	PASS		
				RB75#0	6.18	13	PASS		
				15	MCH	RB1#0	4.56	13	PASS
						RB1#38	4.25	13	PASS
						RB1#74	4.20	13	PASS
						RB38#0	5.73	13	PASS
						RB38#19	5.59	13	PASS
		RB38#39	5.69			13	PASS		
		15	HCH	RB1#0	4.20	13	PASS		
				RB1#38	3.98	13	PASS		
				RB1#74	4.17	13	PASS		
				RB38#0	5.47	13	PASS		
				RB38#19	5.34	13	PASS		
				RB38#39	5.65	13	PASS		
		20	LCH	RB1#0	4.39	13	PASS		
				RB1#50	4.62	13	PASS		
				RB1#99	4.72	13	PASS		
				RB50#0	5.65	13	PASS		
				RB50#25	5.76	13	PASS		
				RB50#50	5.77	13	PASS		
			20	MCH	RB100#0	6.16	13	PASS	
					RB1#0	4.57	13	PASS	
					RB1#50	4.44	13	PASS	
					RB1#99	4.66	13	PASS	
					RB50#0	5.54	13	PASS	

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#25	5.53	13	PASS
				RB50#50	5.76	13	PASS
				RB100#0	5.91	13	PASS
			HCH	RB1#0	4.34	13	PASS
				RB1#50	4.26	13	PASS
				RB1#99	4.69	13	PASS
				RB50#0	5.26	13	PASS
				RB50#25	5.37	13	PASS
				RB50#50	5.73	13	PASS
			RB100#0	5.77	13	PASS	
			LCH	RB1#0	5.54	13	PASS
				RB1#3	5.42	13	PASS
				RB1#5	5.49	13	PASS
				RB3#0	5.86	13	PASS
				RB3#2	5.78	13	PASS
	RB3#3	5.96		13	PASS		
	RB6#0	6.54		13	PASS		
	MCH	RB1#0		5.39	13	PASS	
		RB1#3		5.20	13	PASS	
		RB1#5		5.26	13	PASS	
		RB3#0		5.58	13	PASS	
		RB3#2		5.44	13	PASS	
		RB3#3	5.64	13	PASS		
	RB6#0	6.29	13	PASS			
	HCH	RB1#0	5.21	13	PASS		
		RB1#3	5.14	13	PASS		
		RB1#5	5.18	13	PASS		
		RB3#0	5.69	13	PASS		
		RB3#2	5.59	13	PASS		
		RB3#3	5.74	13	PASS		
	RB6#0	6.60	13	PASS			
	3	LCH	RB1#0	5.03	13	PASS	
			RB1#7	5.08	13	PASS	
RB1#14			5.31	13	PASS		
RB8#0			6.49	13	PASS		
RB8#4			6.62	13	PASS		
RB8#7			6.61	13	PASS		
RB15#0		6.38	13	PASS			
MCH		RB1#0	5.66	13	PASS		
		RB1#7	5.54	13	PASS		

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
				RB1#14	5.66	13	PASS	
				RB8#0	6.19	13	PASS	
				RB8#4	6.11	13	PASS	
				RB8#7	6.38	13	PASS	
				RB15#0	6.83	13	PASS	
			HCH	RB1#0	5.37	13	PASS	
				RB1#7	5.25	13	PASS	
				RB1#14	5.42	13	PASS	
				RB8#0	6.10	13	PASS	
				RB8#4	5.93	13	PASS	
				RB8#7	6.18	13	PASS	
				RB15#0	6.59	13	PASS	
				LCH	RB1#0	4.58	13	PASS
					RB1#13	4.68	13	PASS
		RB1#24			4.84	13	PASS	
		RB12#0			6.07	13	PASS	
		RB12#6			6.19	13	PASS	
		RB12#13			6.25	13	PASS	
		RB25#0	6.84		13	PASS		
		MCH	RB1#0	5.46	13	PASS		
			RB1#13	5.40	13	PASS		
			RB1#24	5.52	13	PASS		
			RB12#0	6.13	13	PASS		
			RB12#6	6.23	13	PASS		
			RB12#13	6.33	13	PASS		
			RB25#0	6.62	13	PASS		
		HCH	RB1#0	5.27	13	PASS		
			RB1#13	5.35	13	PASS		
			RB1#24	5.43	13	PASS		
			RB12#0	6.12	13	PASS		
			RB12#6	6.14	13	PASS		
			RB12#13	6.26	13	PASS		
			RB25#0	6.85	13	PASS		
10	LCH	RB1#0	5.11	13	PASS			
		RB1#25	5.30	13	PASS			
		RB1#49	5.35	13	PASS			
		RB25#0	6.54	13	PASS			
		RB25#13	6.52	13	PASS			
		RB25#25	6.82	13	PASS			
		RB50#0	6.69	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#25	5.57	13	PASS	
				RB1#49	5.51	13	PASS	
				RB25#0	6.59	13	PASS	
				RB25#13	6.56	13	PASS	
				RB25#25	6.65	13	PASS	
				RB50#0	6.95	13	PASS	
			HCH	RB1#0	5.18	13	PASS	
				RB1#25	5.16	13	PASS	
				RB1#49	5.39	13	PASS	
				RB25#0	6.32	13	PASS	
				RB25#13	6.38	13	PASS	
				RB25#25	6.56	13	PASS	
				RB50#0	6.55	13	PASS	
		15	LCH		RB1#0	5.34	13	PASS
					RB1#38	5.34	13	PASS
					RB1#74	5.32	13	PASS
					RB38#0	6.59	13	PASS
					RB38#19	6.87	13	PASS
					RB38#39	6.84	13	PASS
					RB75#0	6.73	13	PASS
			MCH	RB1#0	5.93	13	PASS	
				RB1#38	5.55	13	PASS	
				RB1#74	5.51	13	PASS	
				RB38#0	6.76	13	PASS	
				RB38#19	6.49	13	PASS	
				RB38#39	6.65	13	PASS	
				RB75#0	6.99	13	PASS	
		HCH	RB1#0	5.62	13	PASS		
			RB1#38	5.19	13	PASS		
			RB1#74	5.44	13	PASS		
			RB38#0	6.53	13	PASS		
			RB38#19	6.42	13	PASS		
			RB38#39	6.71	13	PASS		
			RB75#0	6.83	13	PASS		
		20	LCH		RB1#0	5.38	13	PASS
					RB1#50	5.85	13	PASS
					RB1#99	5.97	13	PASS
					RB50#0	6.74	13	PASS
					RB50#25	6.74	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#50	6.88	13	PASS
				RB100#0	6.89	13	PASS
			MCH	RB1#0	4.51	13	PASS
				RB1#50	4.46	13	PASS
				RB1#99	4.67	13	PASS
				RB50#0	6.66	13	PASS
				RB50#25	6.59	13	PASS
				RB50#50	6.76	13	PASS
				RB100#0	7.25	13	PASS
				HCH	RB1#0	5.09	13
			RB1#50		4.92	13	PASS
			RB1#99		5.43	13	PASS
			RB50#0		6.29	13	PASS
			RB50#25		6.31	13	PASS
			RB50#50		6.71	13	PASS
			RB100#0		6.57	13	PASS



### 3Appendix\_C: Modulation Characteristics

#### Part I - Test Plots

##### 3.1 For LTE

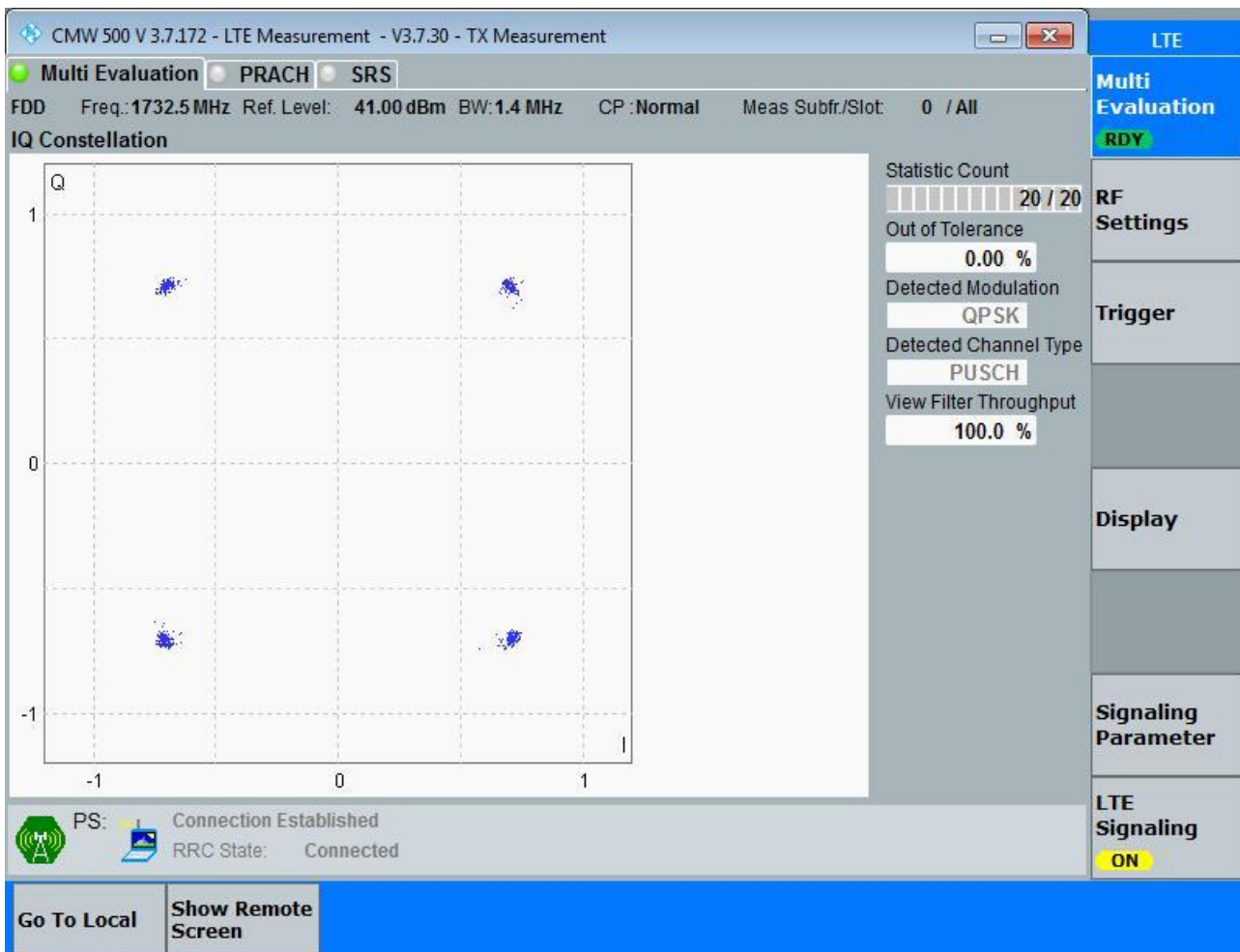
##### 3.1.1 Test Band = Band4

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

##### 3.1.1.1.1 Test Bandwidth = 1.4

##### 3.1.1.1.1.1 Test Channel = MCH

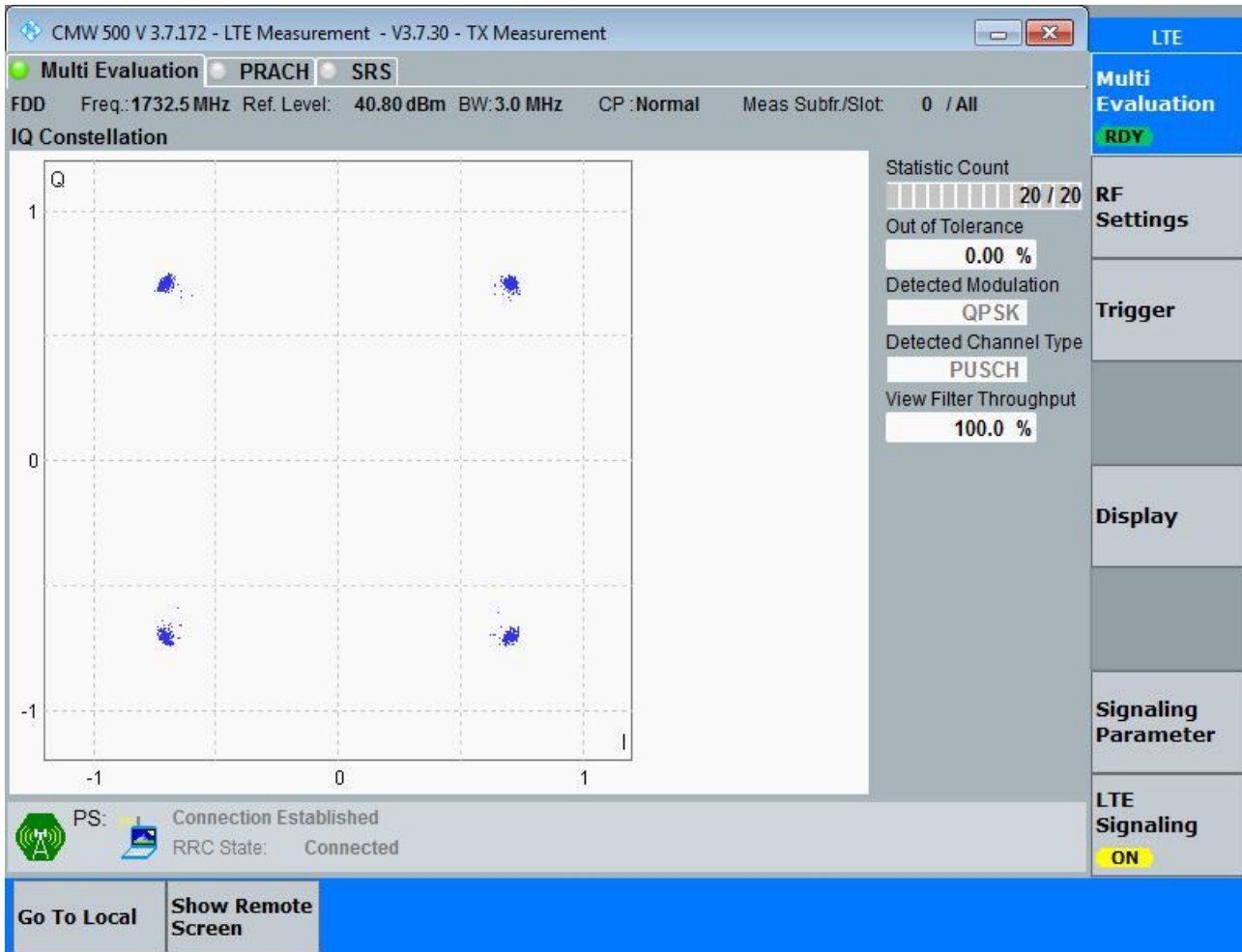
##### 3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

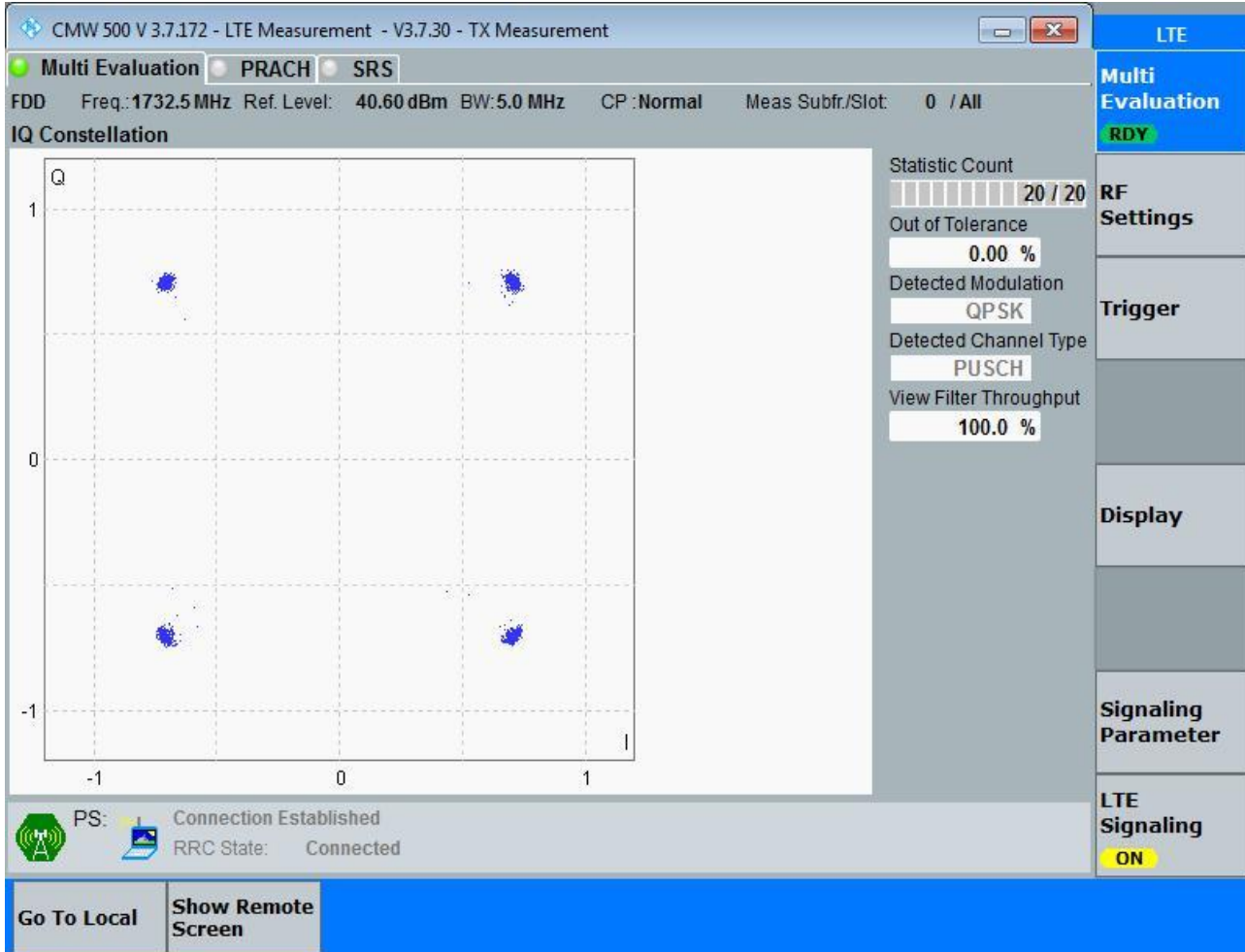
3.1.1.1.2.1.1 Test RB = RB15#0



### 3.1.1.1.3 Test Bandwidth = 5

#### 3.1.1.1.3.1 Test Channel = MCH

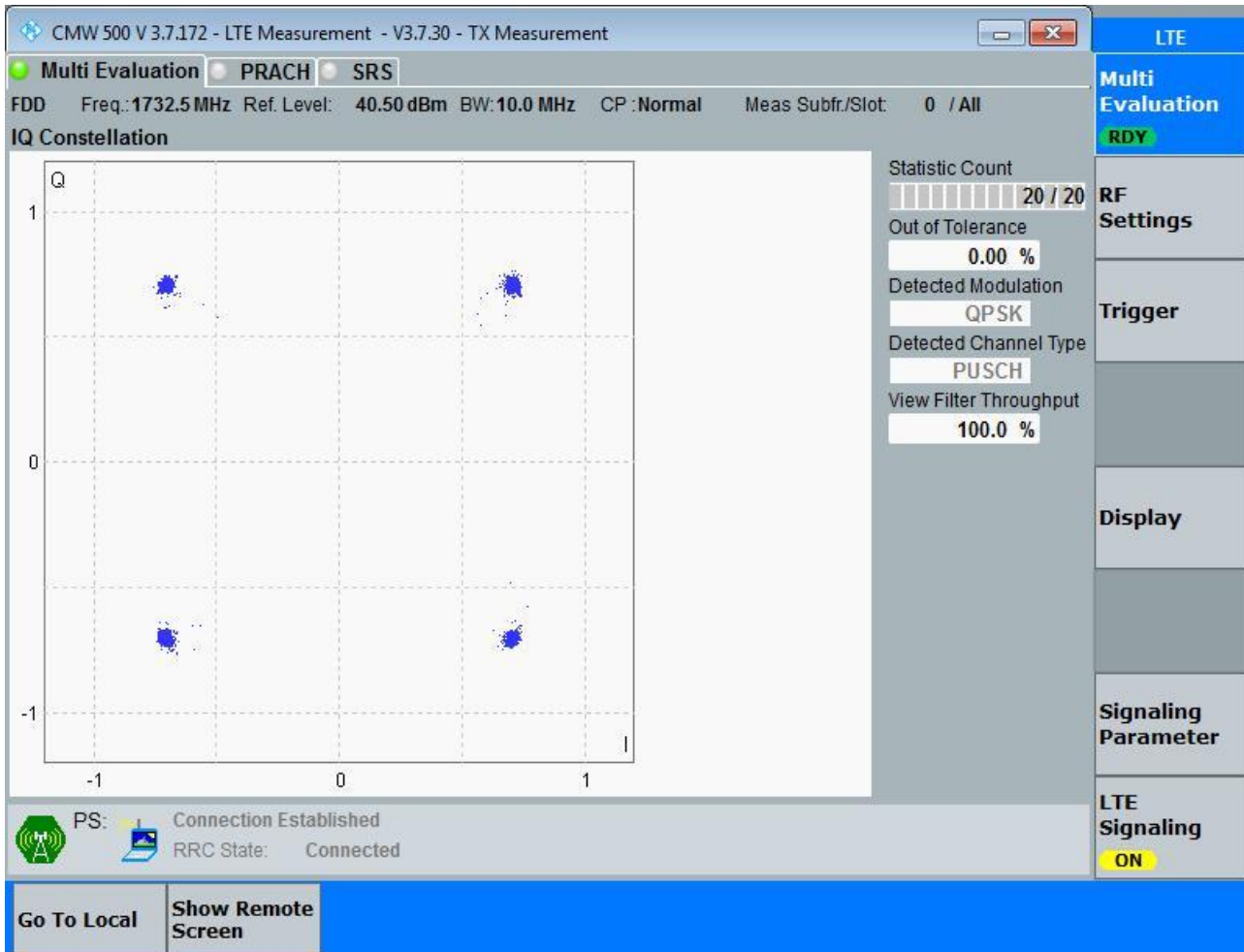
##### 3.1.1.1.3.1.1 Test RB = RB25#0



### 3.1.1.1.4 Test Bandwidth = 10

#### 3.1.1.1.4.1 Test Channel = MCH

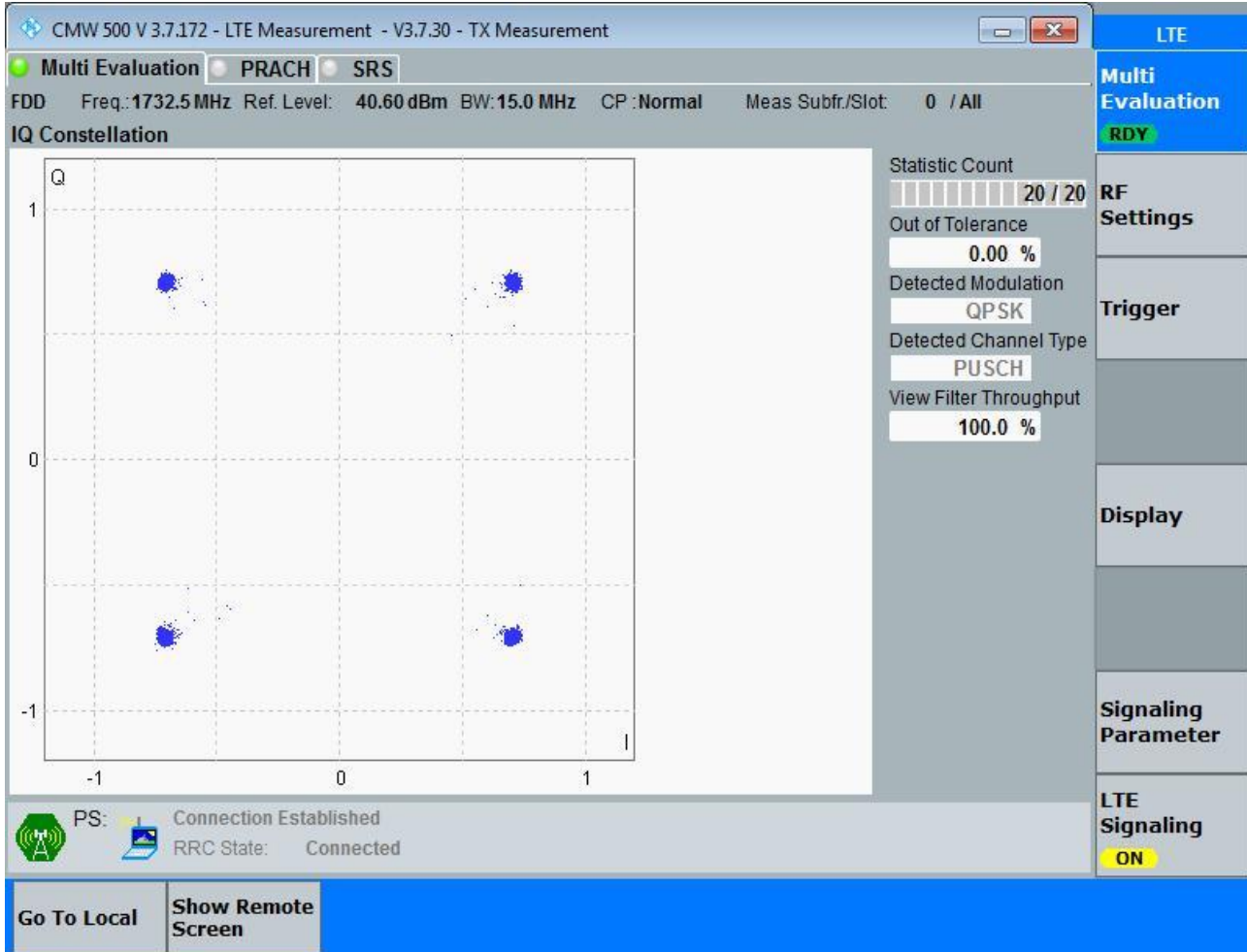
##### 3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

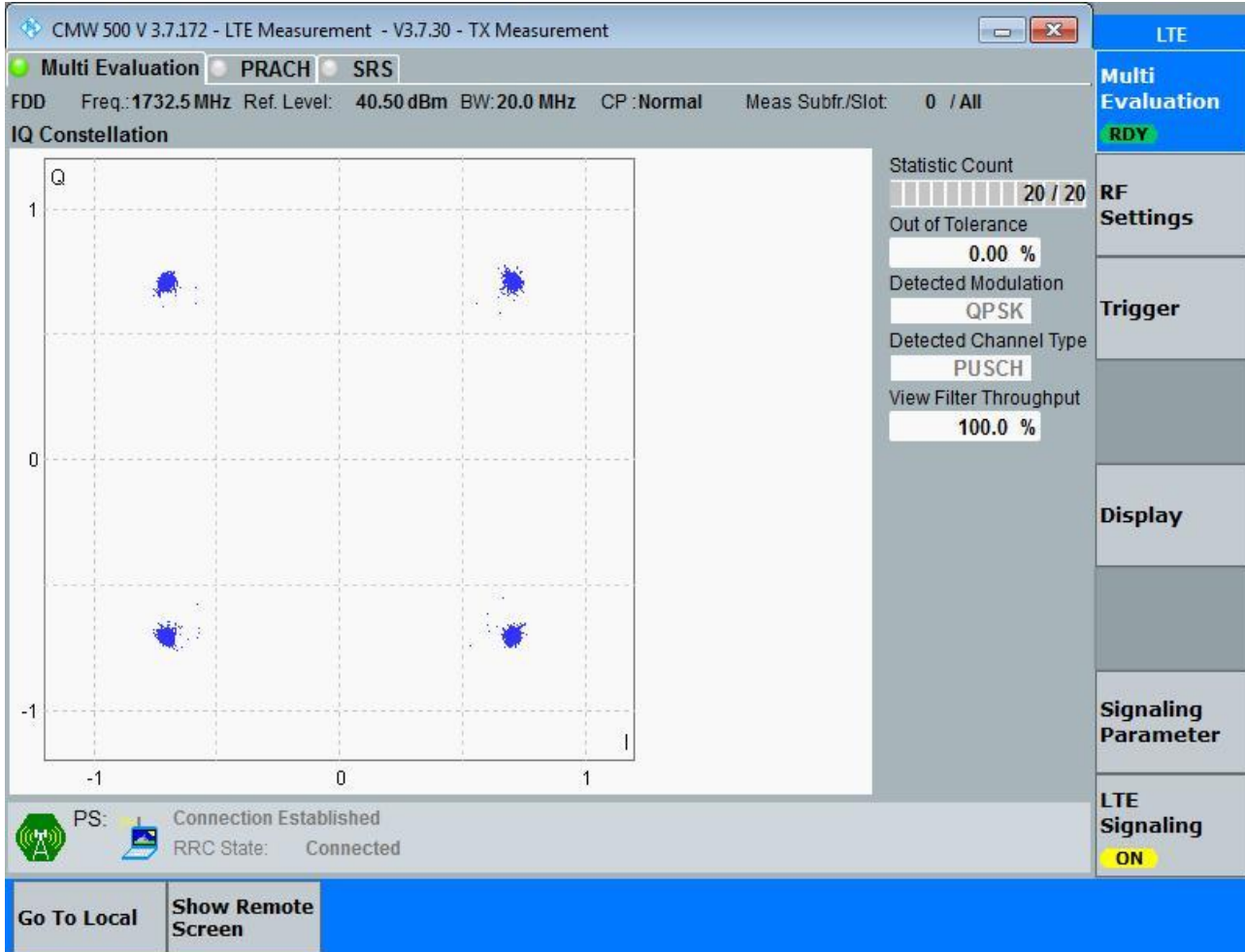
3.1.1.1.5.1.1 Test RB = RB75#0



### 3.1.1.1.6 Test Bandwidth = 20

#### 3.1.1.1.6.1 Test Channel = MCH

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



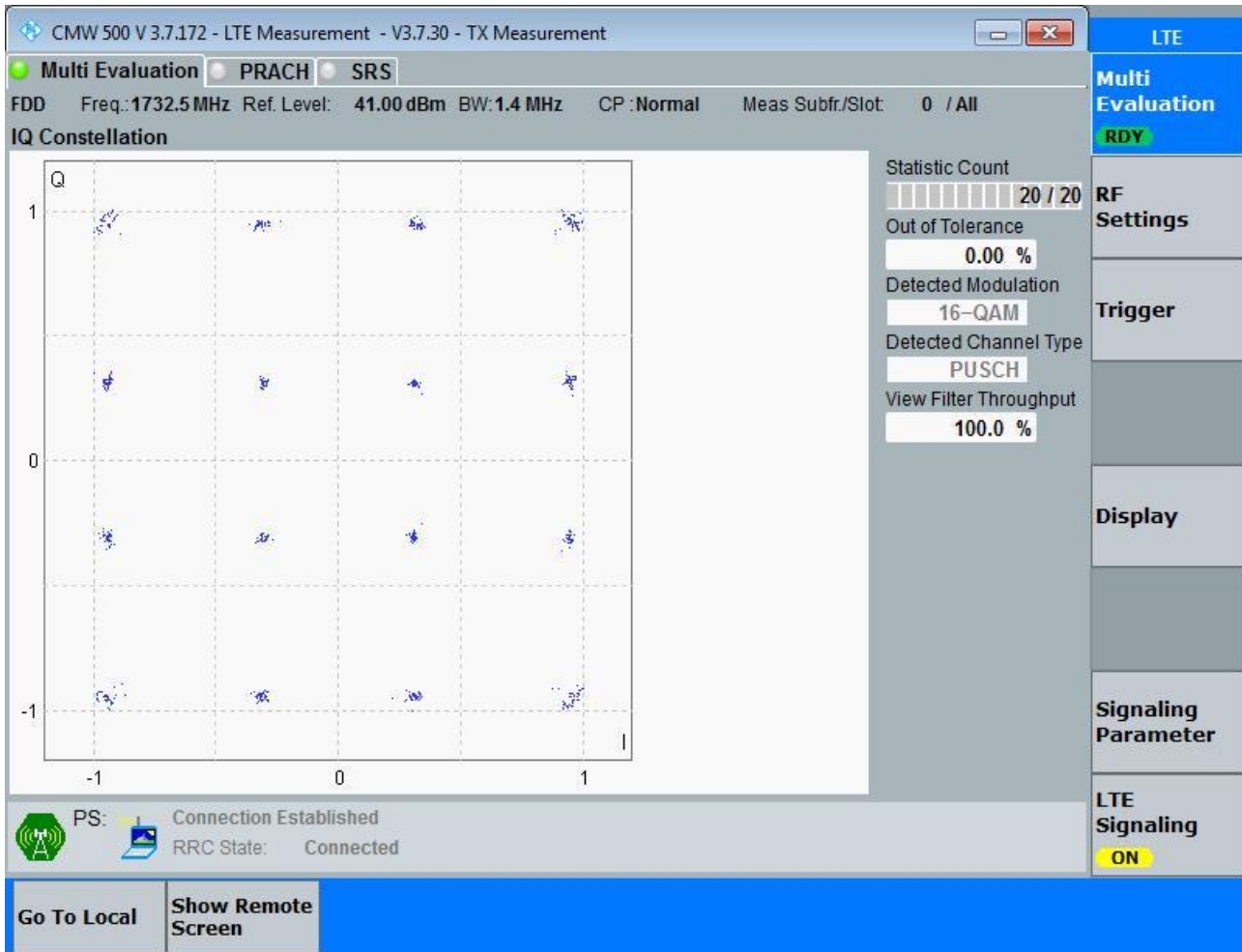


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

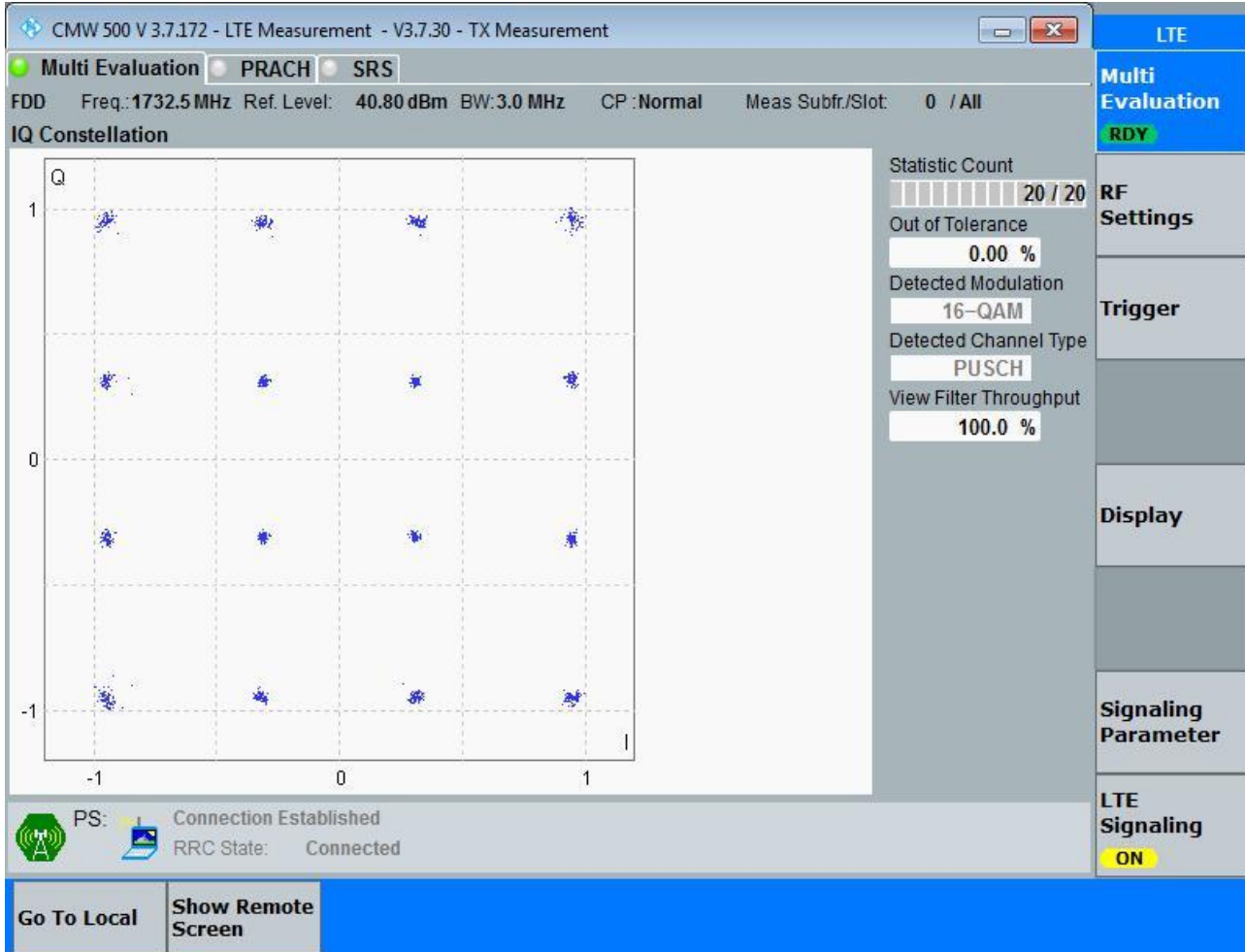
3.1.1.2.1.1.1 Test RB = RB6#0



### 3.1.1.2.2 Test Bandwidth = 3

#### 3.1.1.2.2.1 Test Channel = MCH

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

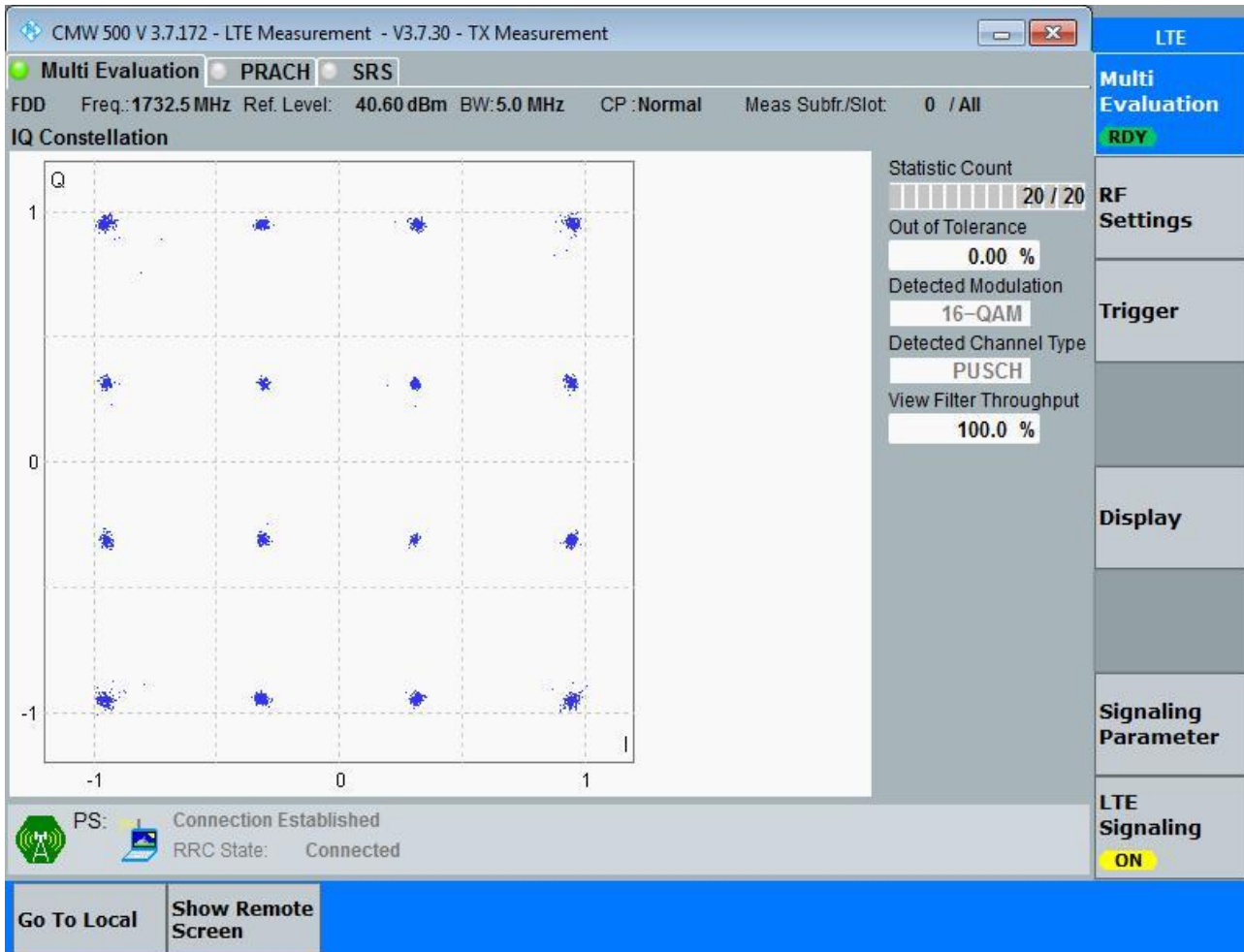




### 3.1.1.2.3 Test Bandwidth = 5

#### 3.1.1.2.3.1 Test Channel = MCH

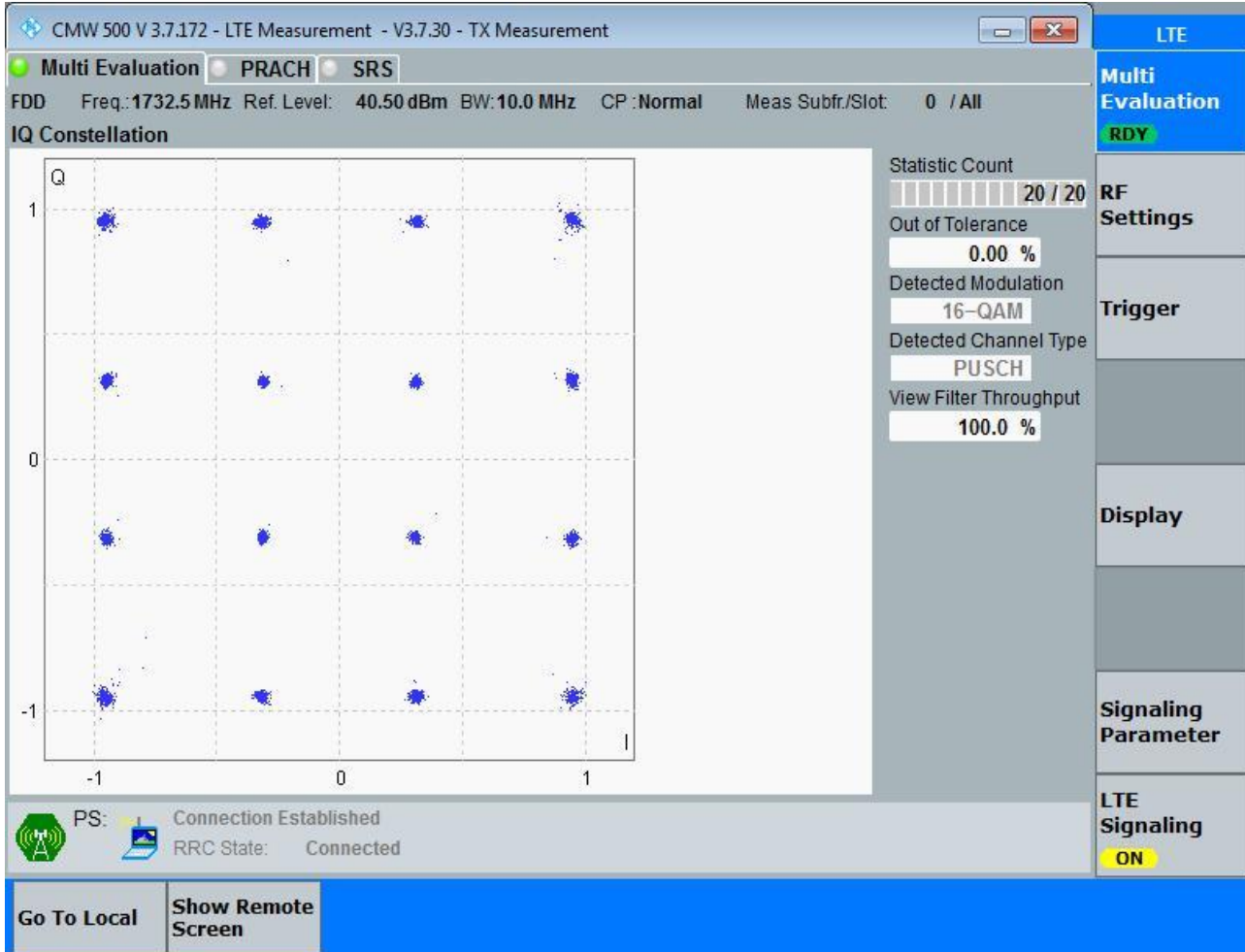
##### 3.1.1.2.3.1.1 Test RB = RB25#0



### 3.1.1.2.4 Test Bandwidth = 10

#### 3.1.1.2.4.1 Test Channel = MCH

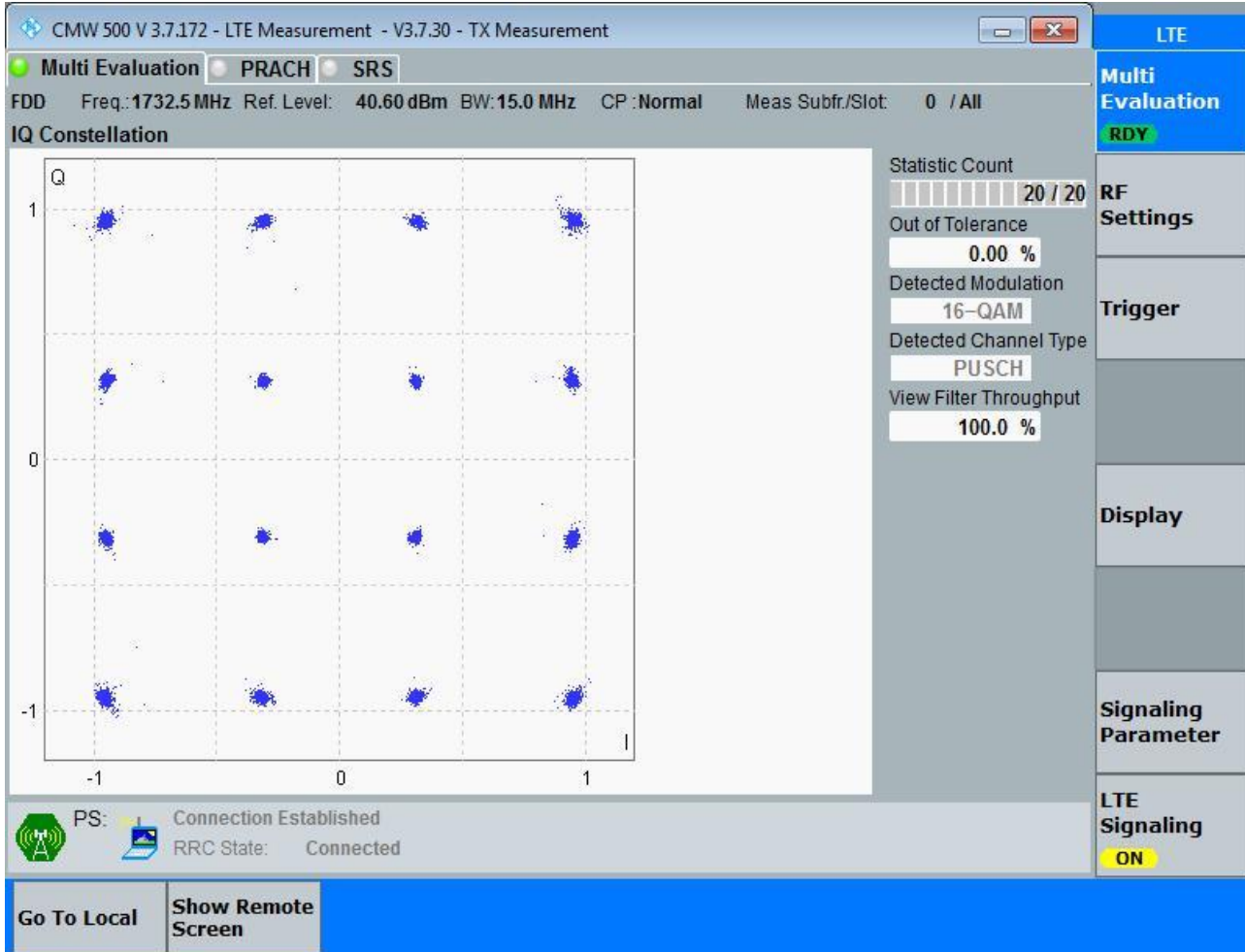
##### 3.1.1.2.4.1.1 Test RB = RB50#0



### 3.1.1.2.5 Test Bandwidth = 15

#### 3.1.1.2.5.1 Test Channel = MCH

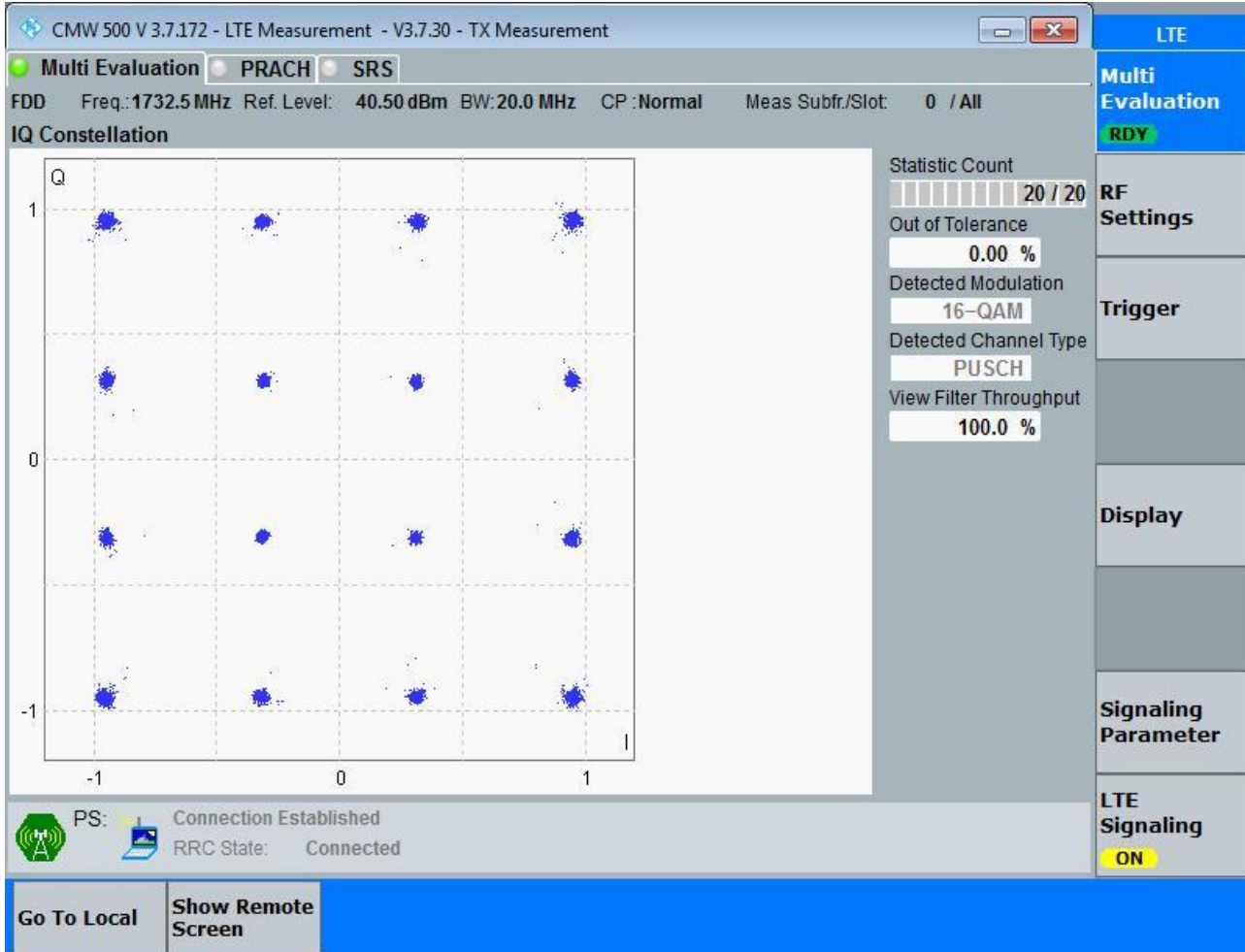
##### 3.1.1.2.5.1.1 Test RB = RB75#0



### 3.1.1.2.6 Test Bandwidth = 20

#### 3.1.1.2.6.1 Test Channel = MCH

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



## 4Appendix\_D: Bandwidth

### Part I - Test Results

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
Band4	LTE/TM1	1.4	LCH	RB6#0	1.09	1.28	Pass
			MCH	RB6#0	1.09	1.29	Pass
			HCH	RB6#0	1.11	1.31	Pass
		3	LCH	RB15#0	2.71	2.99	Pass
			MCH	RB15#0	2.71	3.00	Pass
			HCH	RB15#0	2.71	2.99	Pass
		5	LCH	RB25#0	4.50	5.01	Pass
			MCH	RB25#0	4.54	5.03	Pass
			HCH	RB25#0	4.51	4.99	Pass
		10	LCH	RB50#0	8.96	9.86	Pass
			MCH	RB50#0	8.99	9.98	Pass
			HCH	RB50#0	9.01	9.90	Pass
		15	LCH	RB75#0	13.44	14.57	Pass
			MCH	RB75#0	13.47	14.69	Pass
			HCH	RB75#0	13.45	14.64	Pass
		20	LCH	RB100#0	17.93	19.52	Pass
			MCH	RB100#0	17.98	19.40	Pass
			HCH	RB100#0	17.91	19.40	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.10	1.30	Pass
			MCH	RB6#0	1.09	1.29	Pass
			HCH	RB6#0	1.09	1.29	Pass
		3	LCH	RB15#0	2.70	2.99	Pass
			MCH	RB15#0	2.71	2.99	Pass
			HCH	RB15#0	2.70	3.01	Pass
		5	LCH	RB25#0	4.51	4.99	Pass
			MCH	RB25#0	4.52	5.05	Pass
			HCH	RB25#0	4.50	4.97	Pass
		10	LCH	RB50#0	8.98	9.93	Pass
			MCH	RB50#0	8.99	9.90	Pass
			HCH	RB50#0	8.99	9.88	Pass
15	LCH	RB75#0	13.46	14.70	Pass		
	MCH	RB75#0	13.47	14.70	Pass		
	HCH	RB75#0	13.44	14.70	Pass		
20	LCH	RB100#0	17.95	19.36	Pass		
	MCH	RB100#0	17.97	19.44	Pass		

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
			HCH	RB100#0	17.91	19.48	Pass

Part II - Test Plots

4.1 For LTE

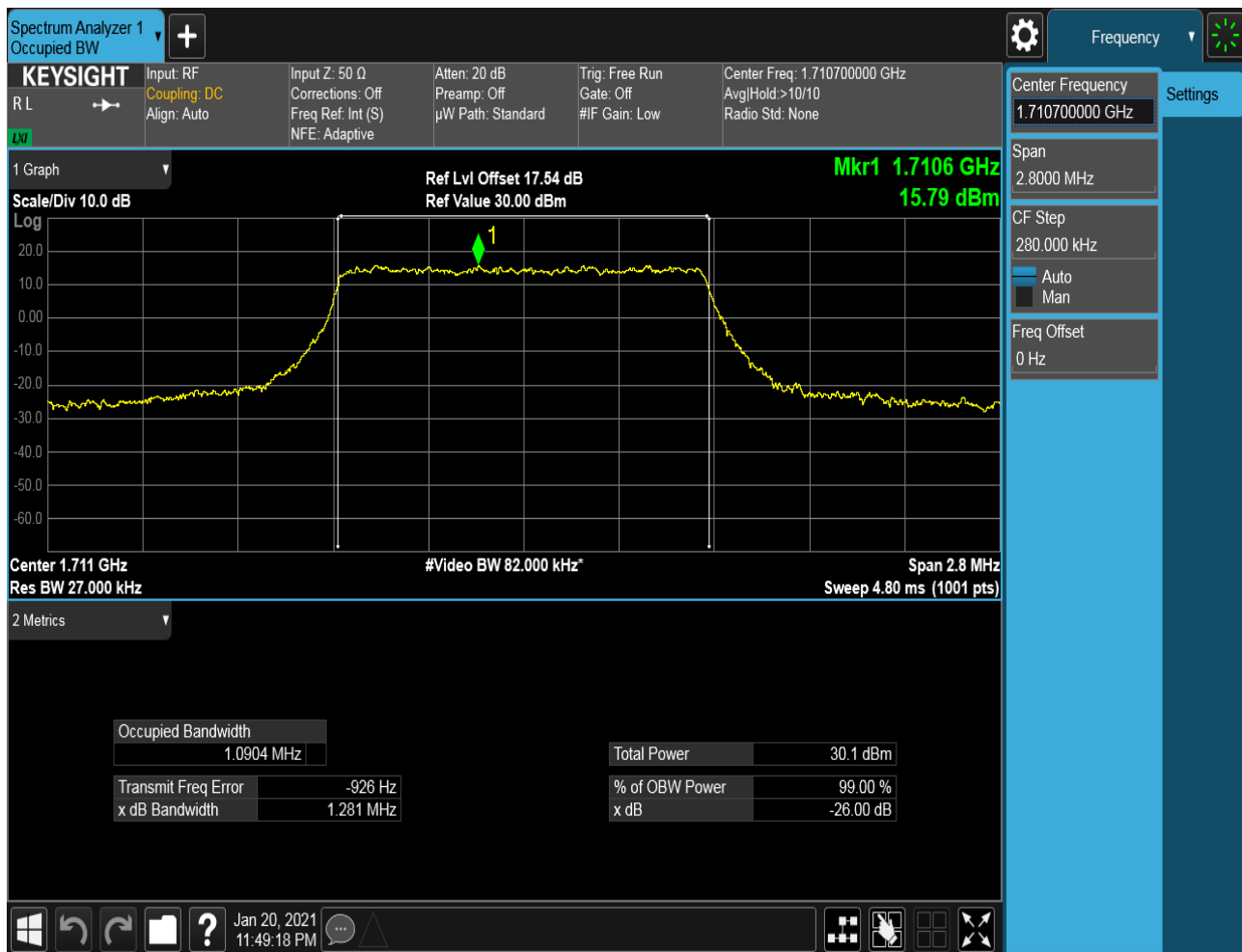
4.1.1 Test Band = Band4

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 1.4

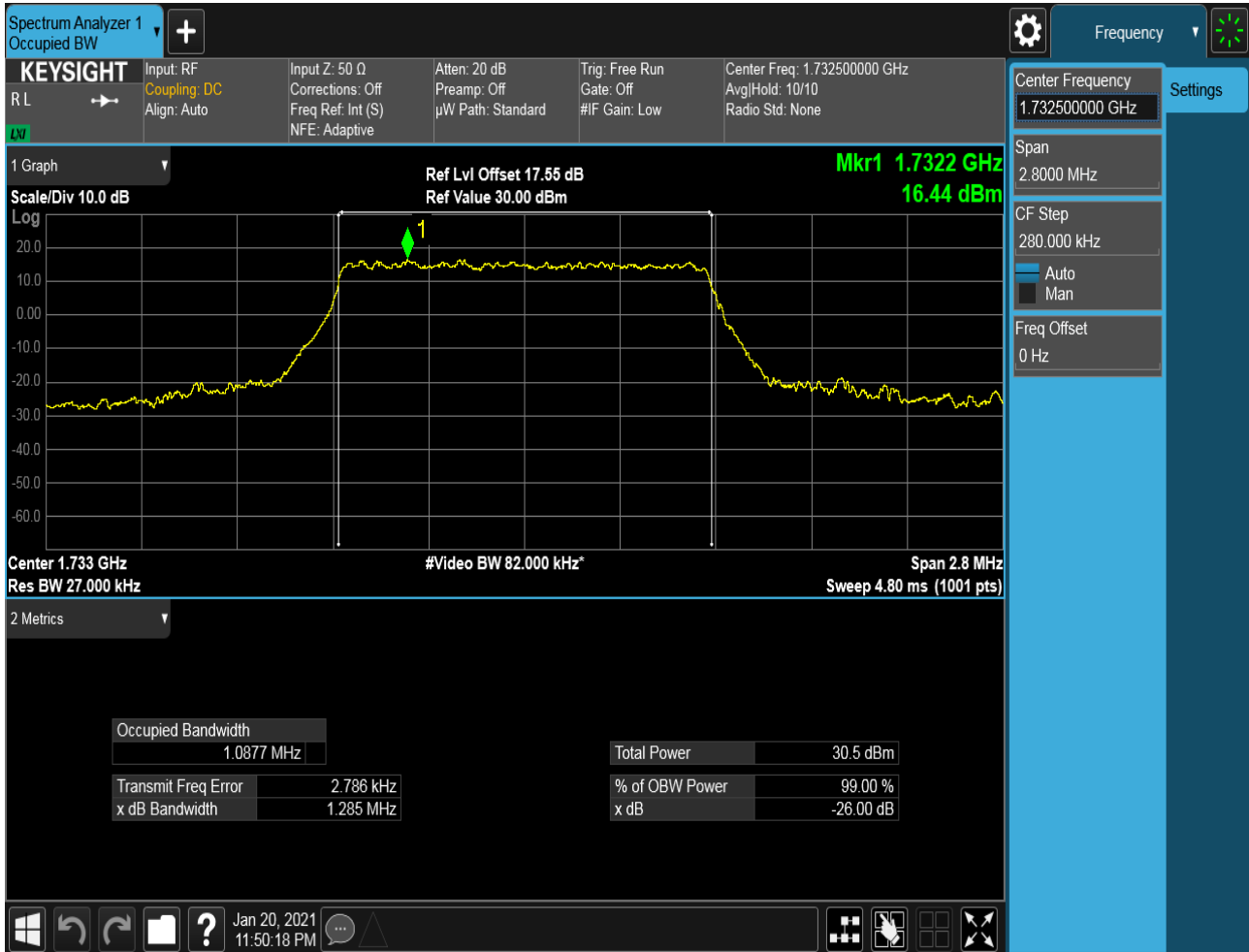
4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 Test RB = RB6#0



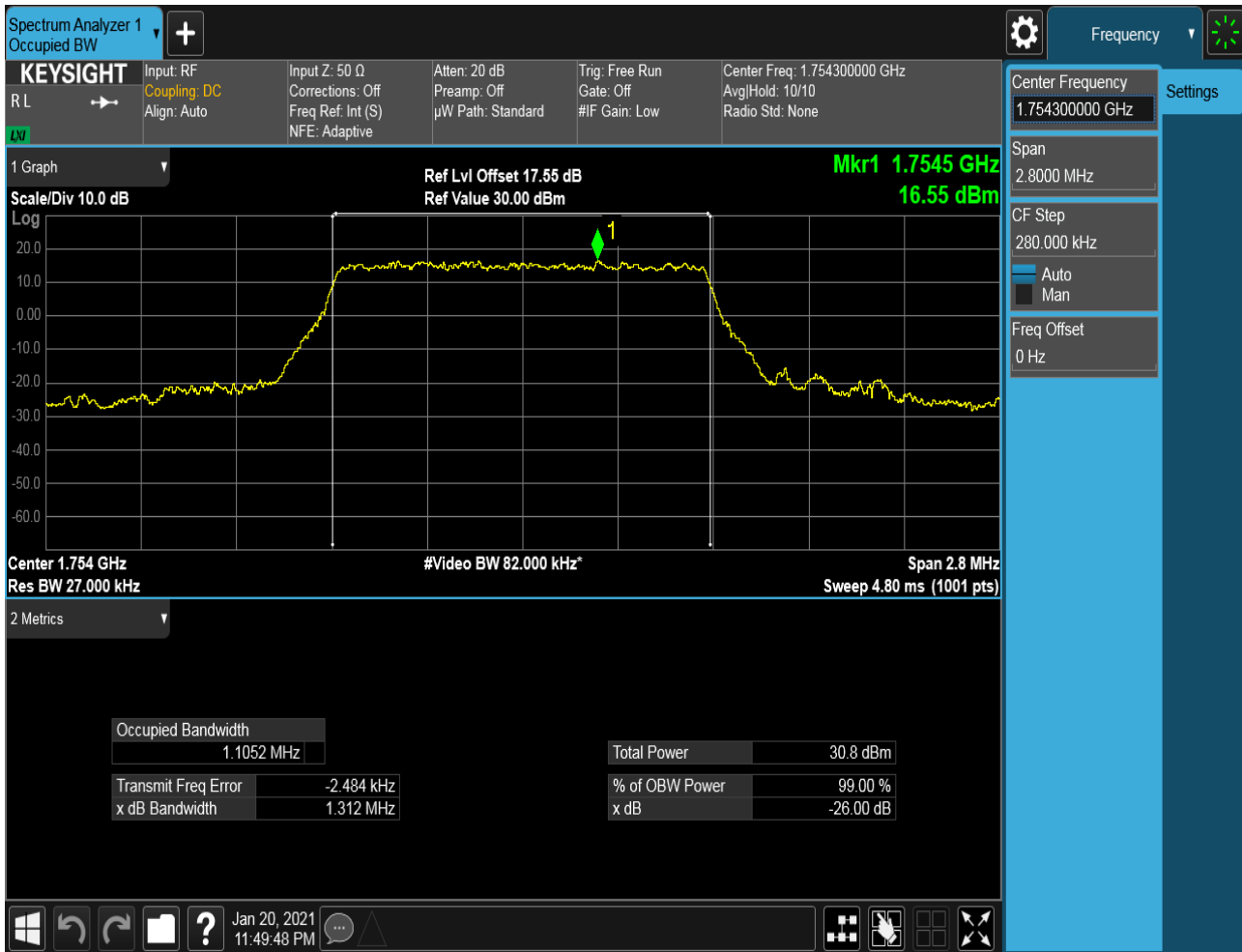
#### 4.1.1.1.1.2 Test Channel = MCH

#### 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

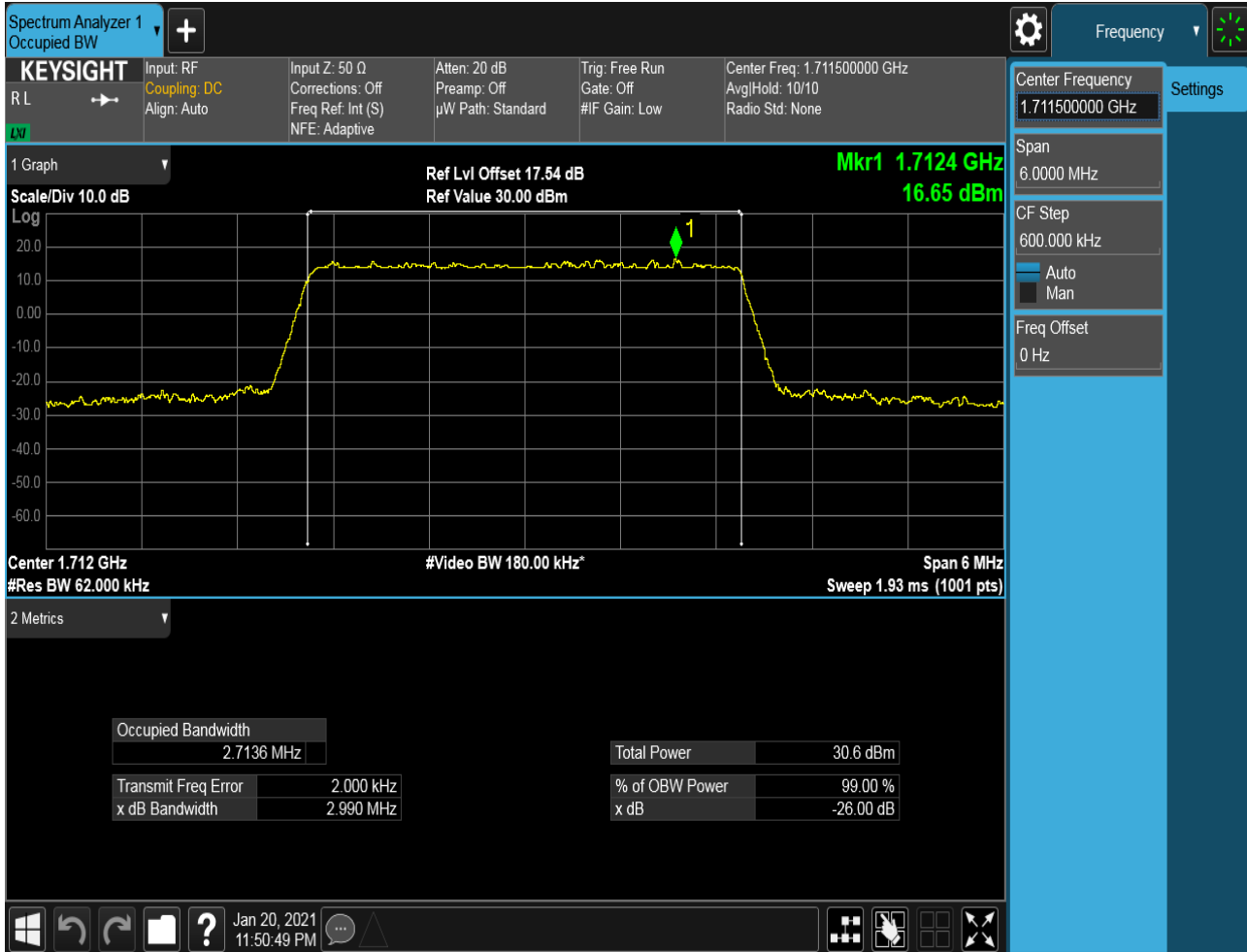




4.1.1.1.2 Test Bandwidth = 3

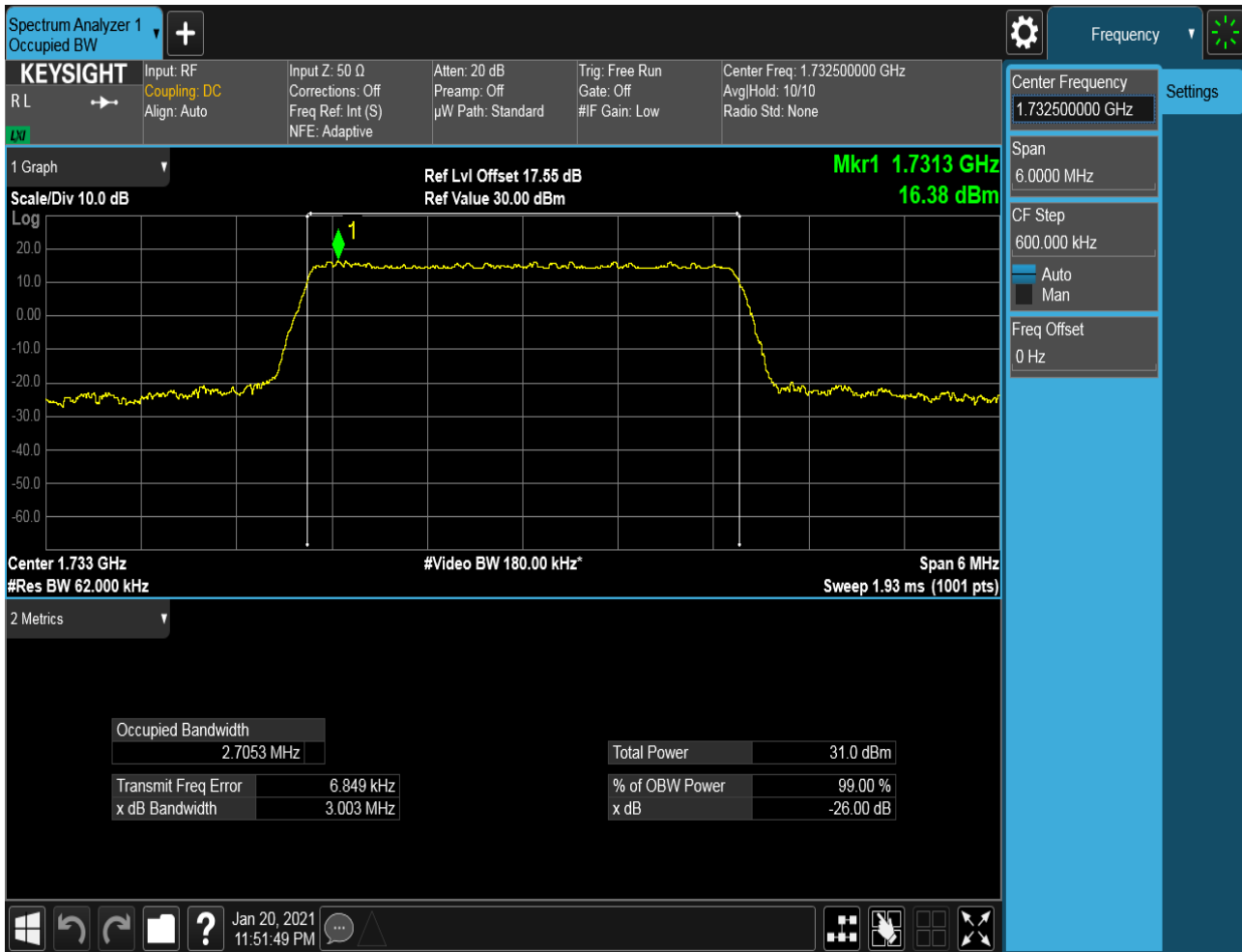
4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB15#0



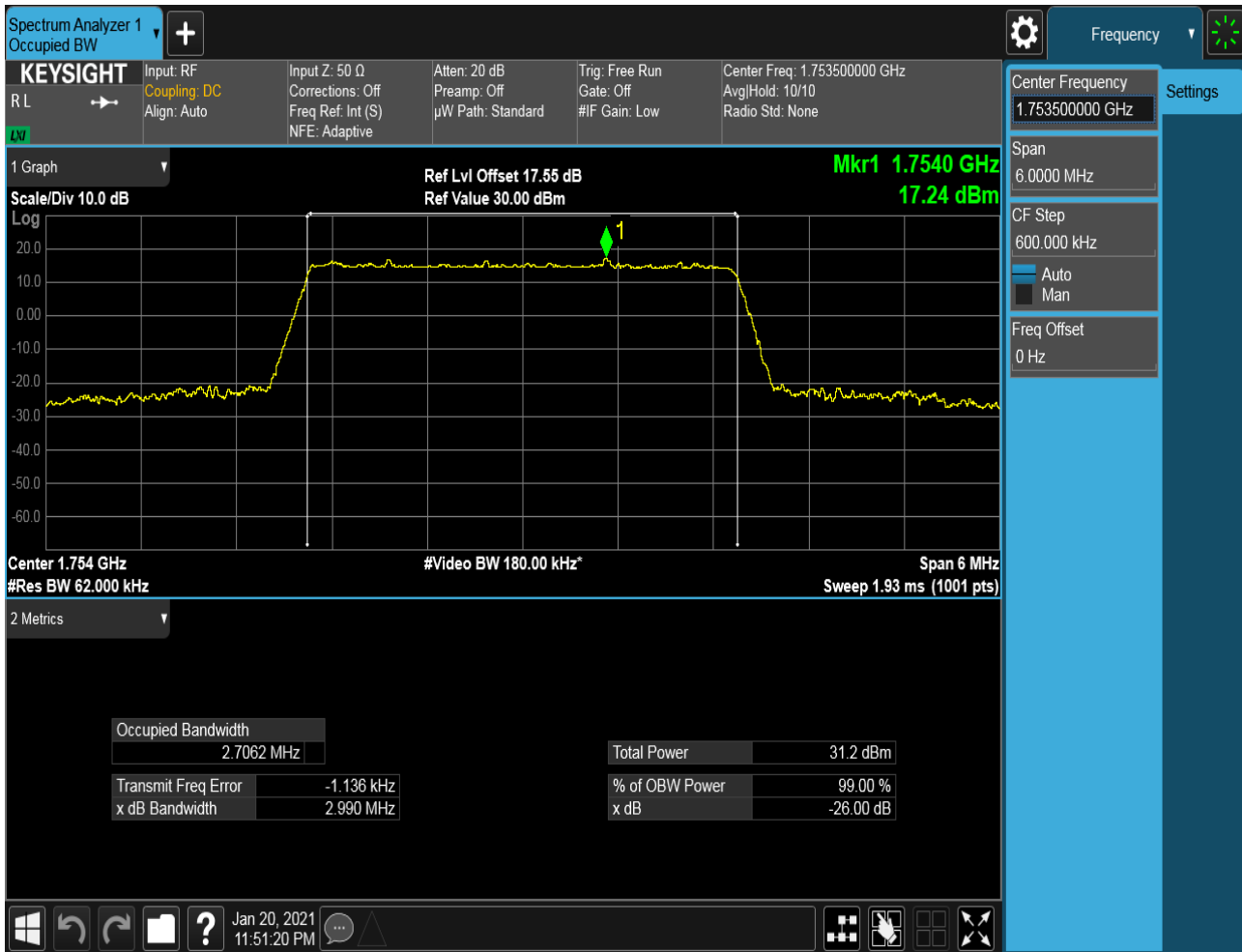
### 4.1.1.1.2.2 Test Channel = MCH

#### 4.1.1.1.2.2.1 Test RB = RB15#0



### 4.1.1.1.2.3 Test Channel = HCH

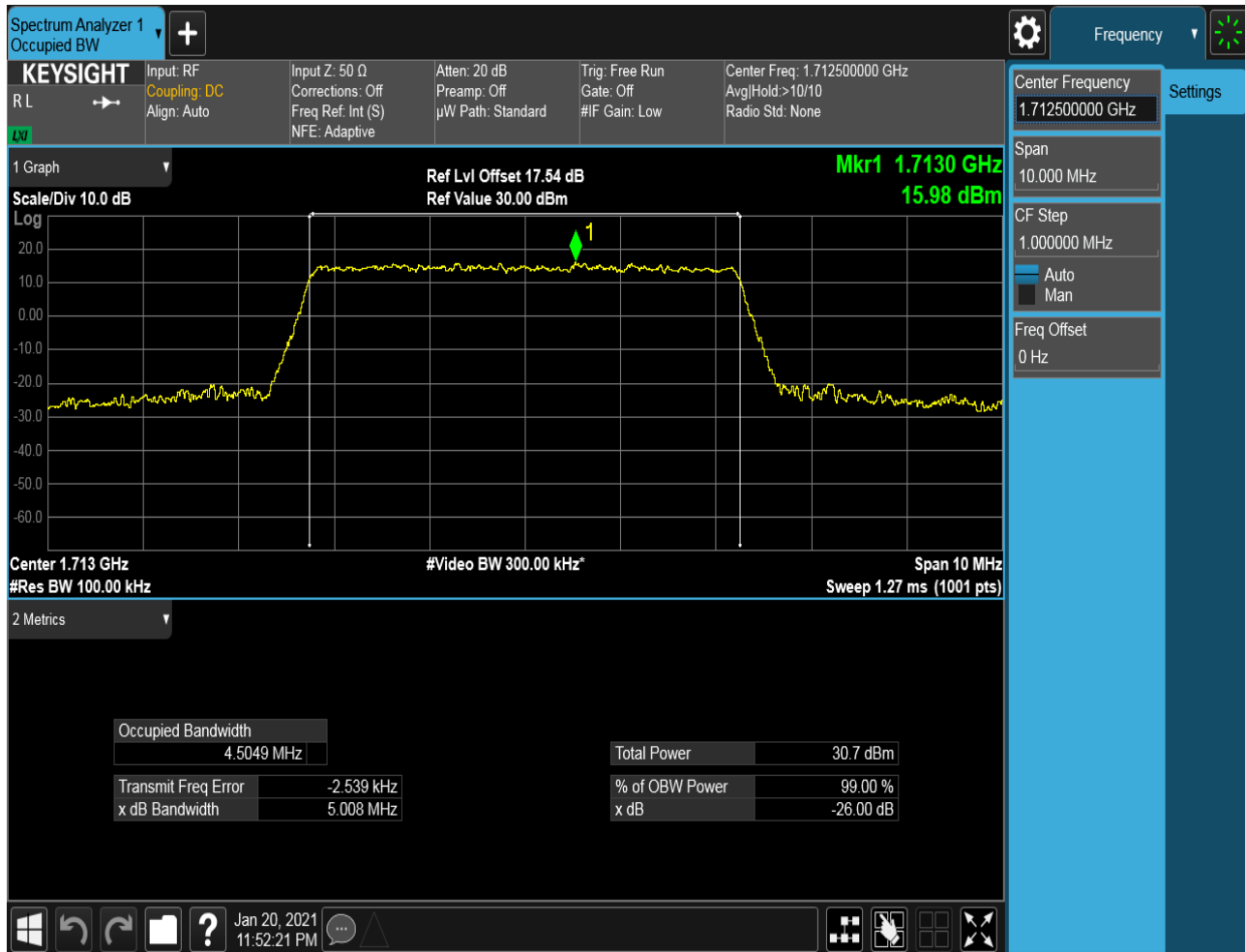
#### 4.1.1.1.2.3.1 Test RB = RB15#0



4.1.1.1.3 Test Bandwidth = 5

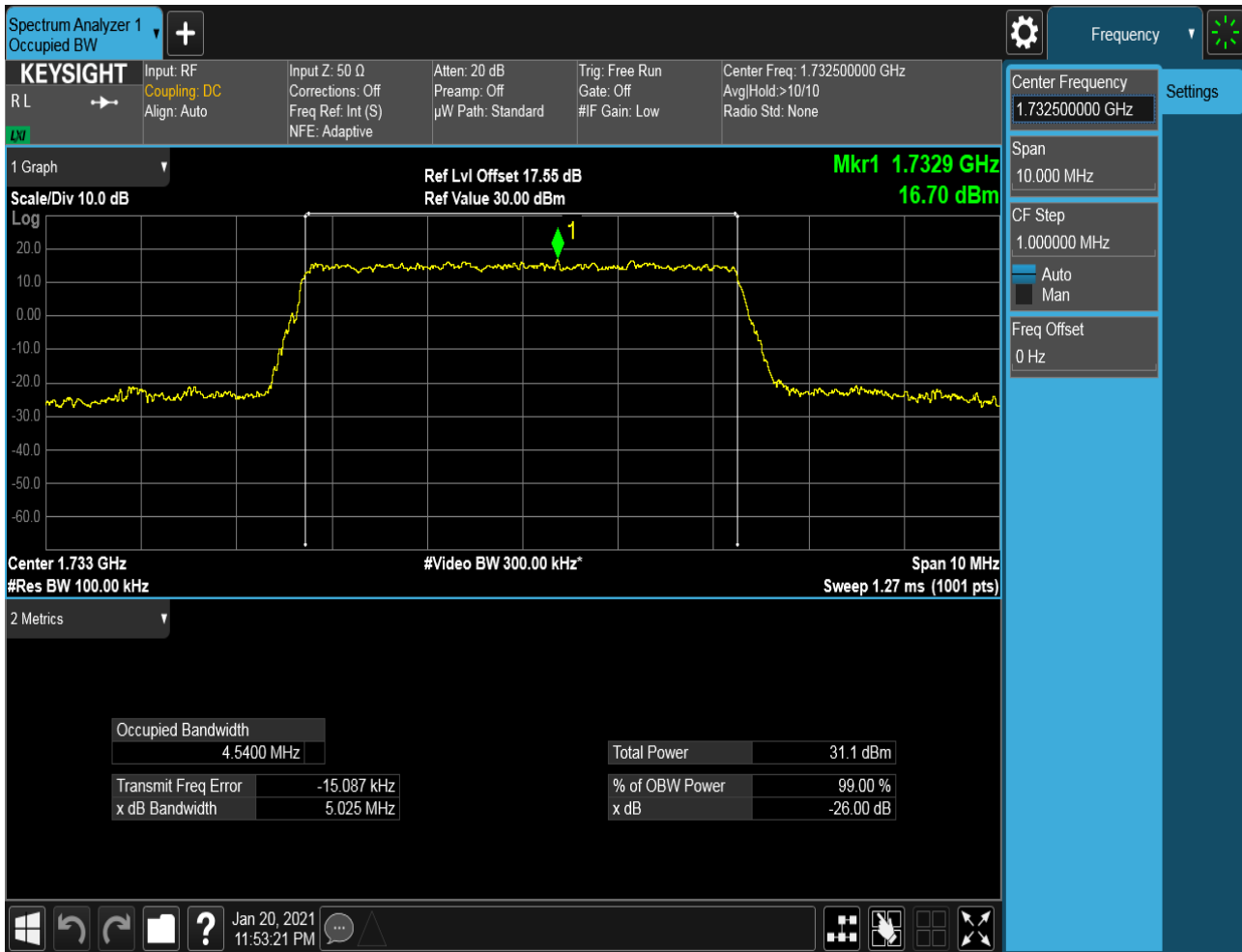
4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB25#0



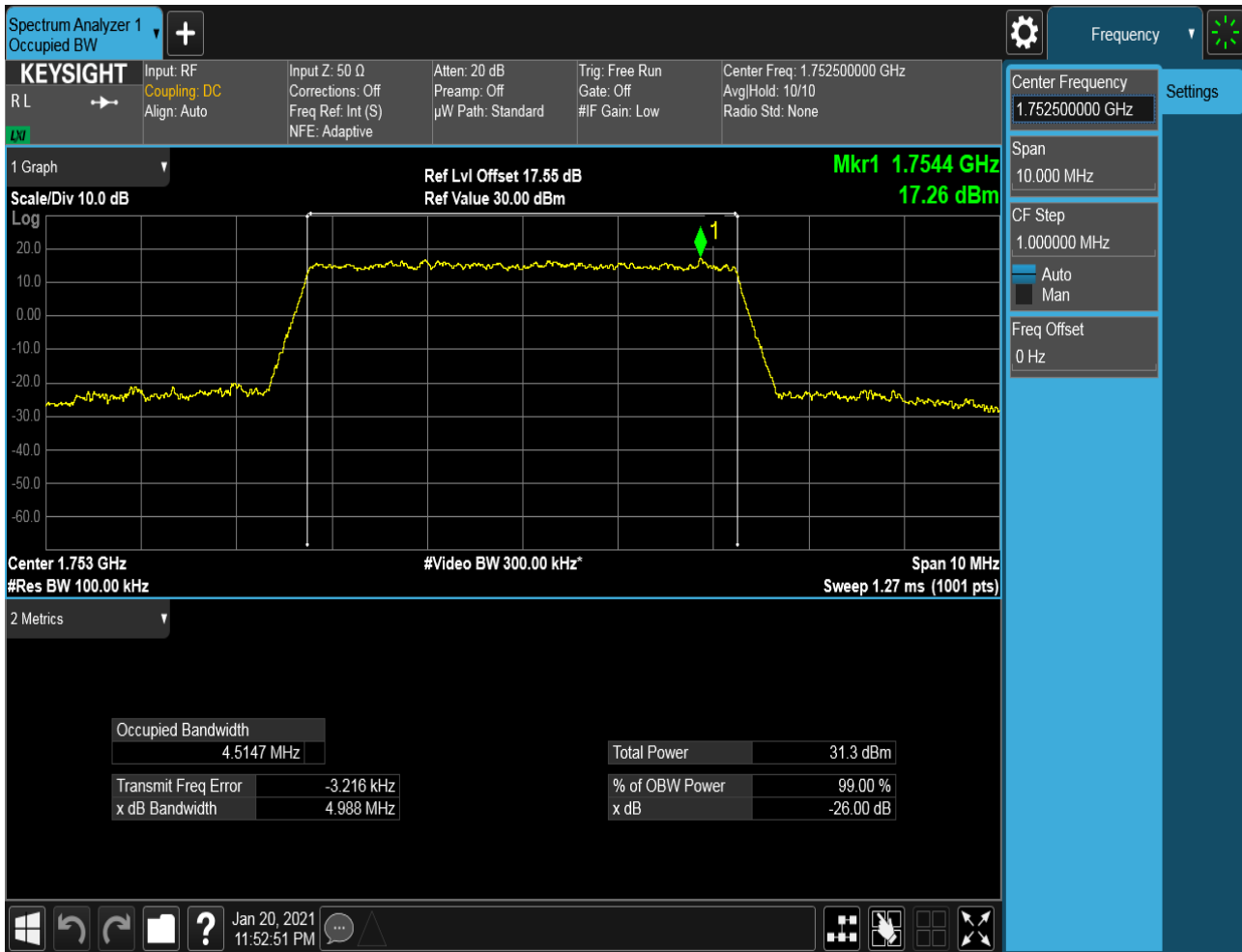
### 4.1.1.1.3.2 Test Channel = MCH

#### 4.1.1.1.3.2.1 Test RB = RB25#0



### 4.1.1.1.3.3 Test Channel = HCH

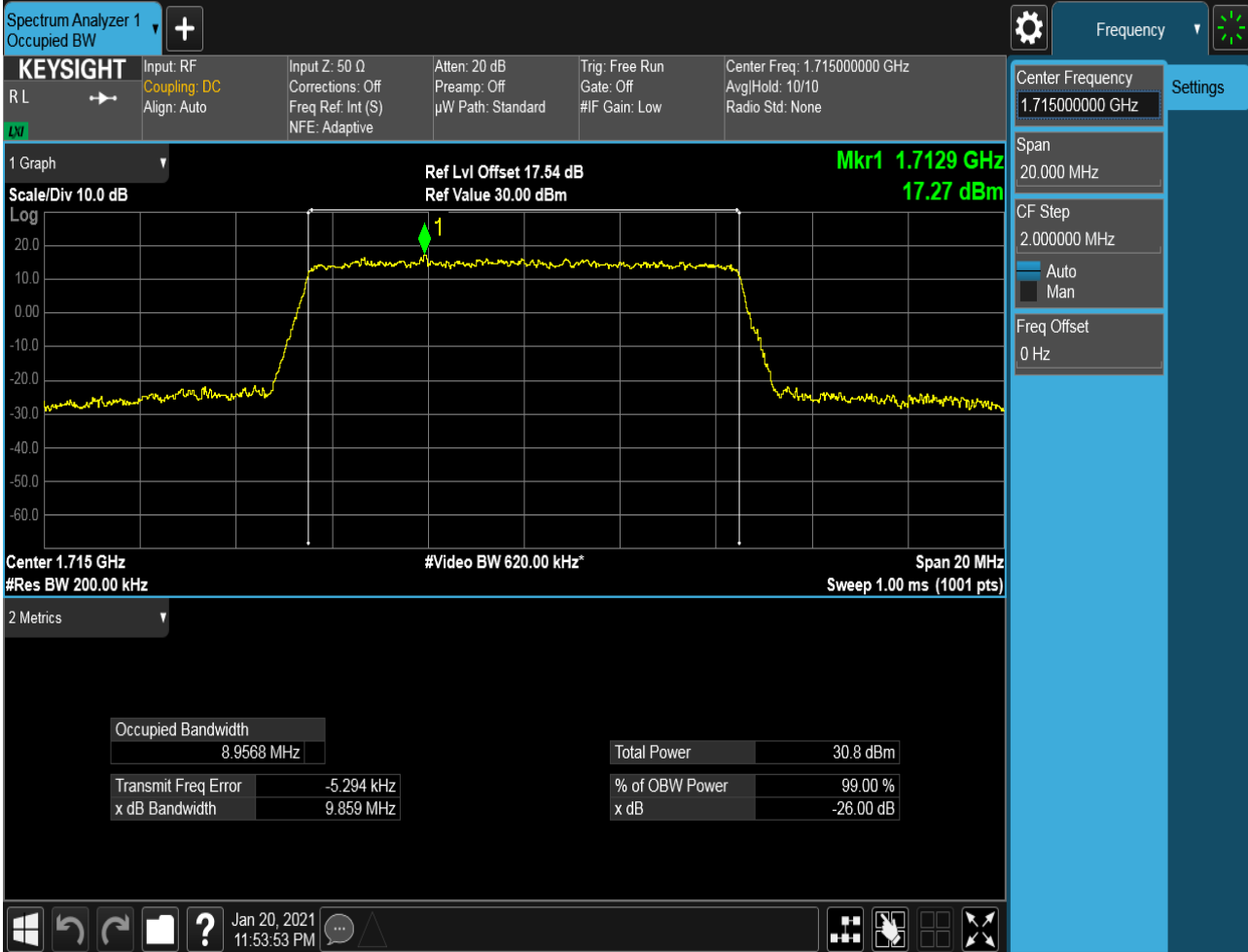
#### 4.1.1.1.3.3.1 Test RB = RB25#0



4.1.1.1.4 Test Bandwidth = 10

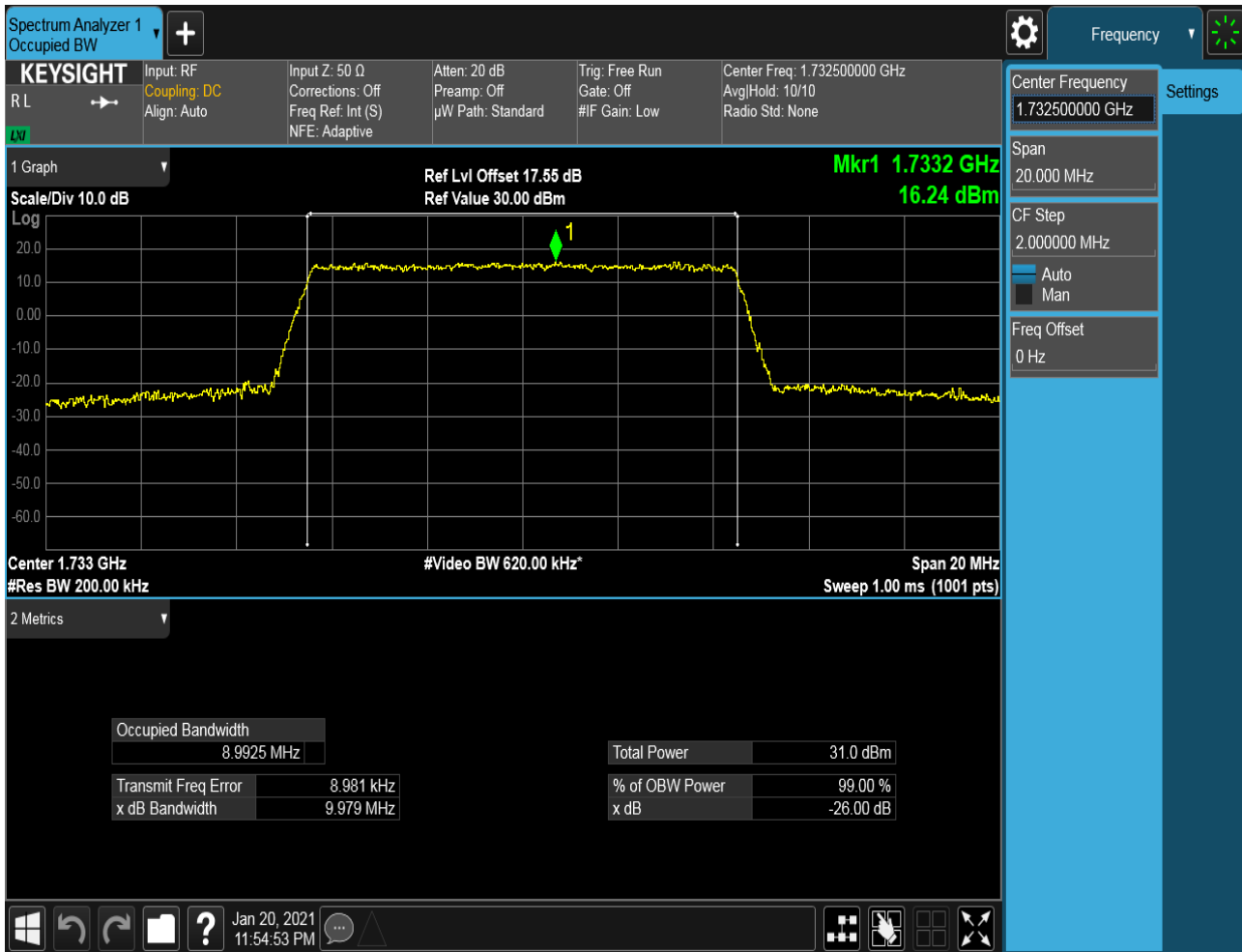
4.1.1.1.4.1 Test Channel = LCH

4.1.1.1.4.1.1 Test RB = RB50#0



### 4.1.1.1.4.2 Test Channel = MCH

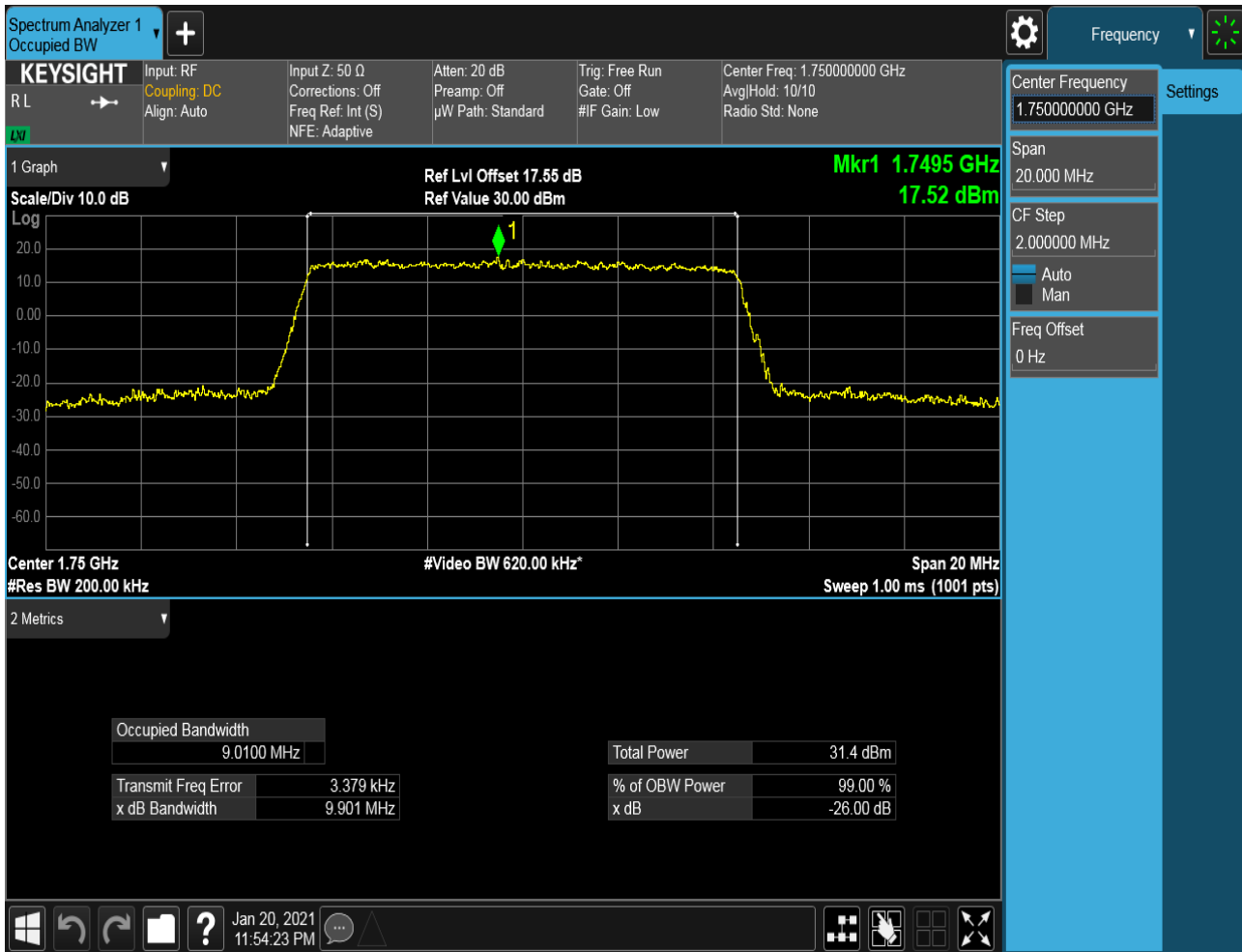
#### 4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

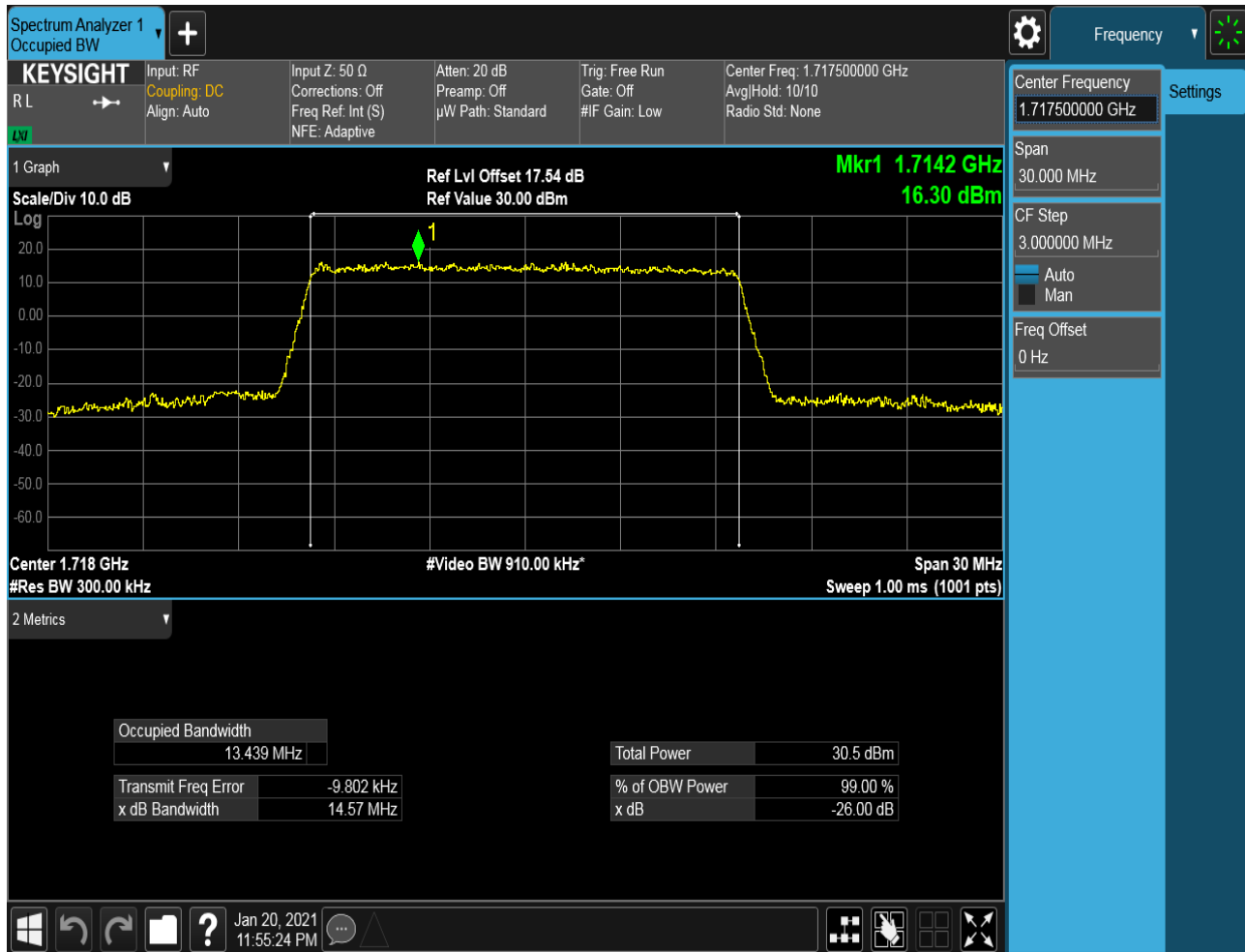
4.1.1.1.4.3.1 Test RB = RB50#0



4.1.1.1.5 Test Bandwidth = 15

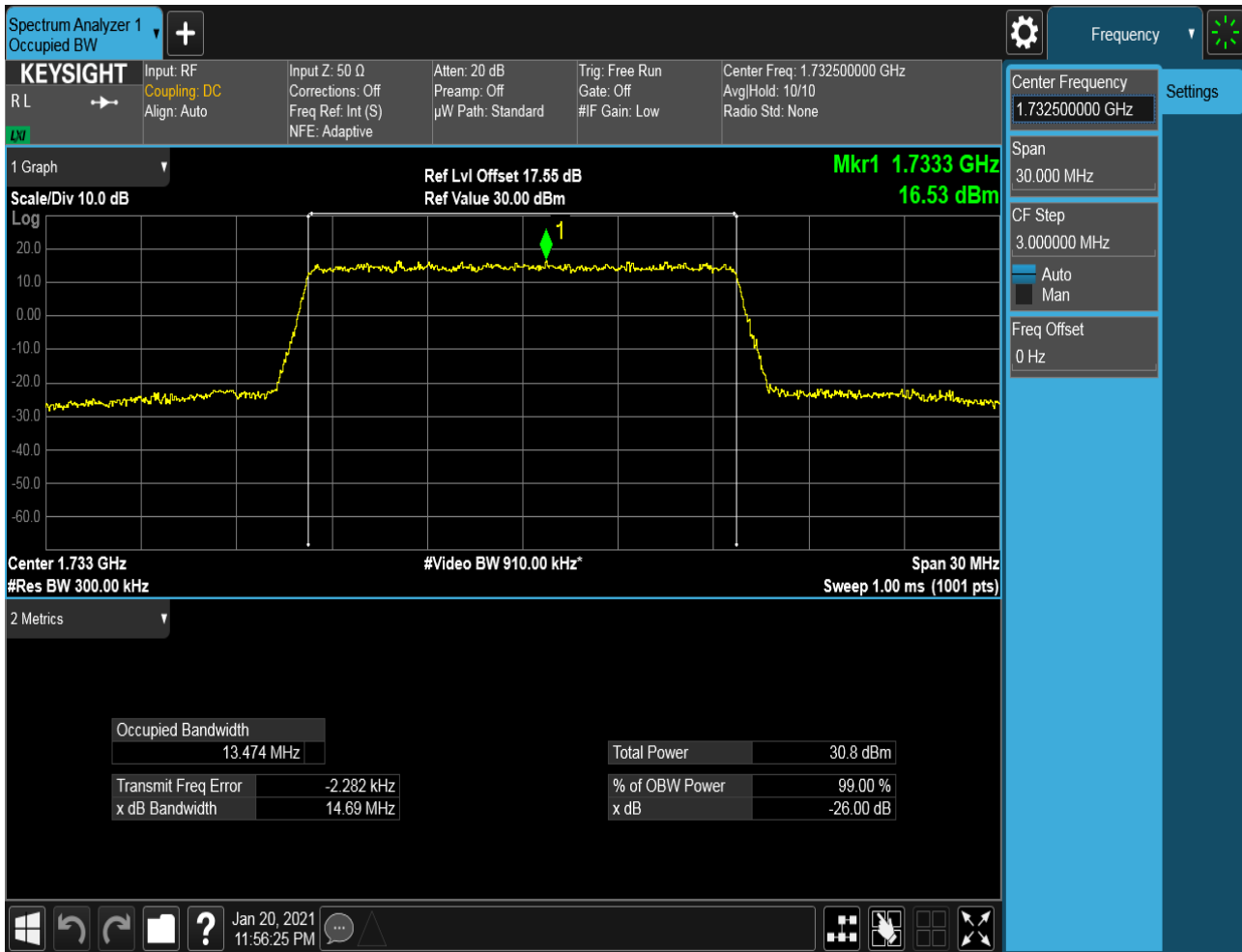
4.1.1.1.5.1 Test Channel = LCH

4.1.1.1.5.1.1 Test RB = RB75#0



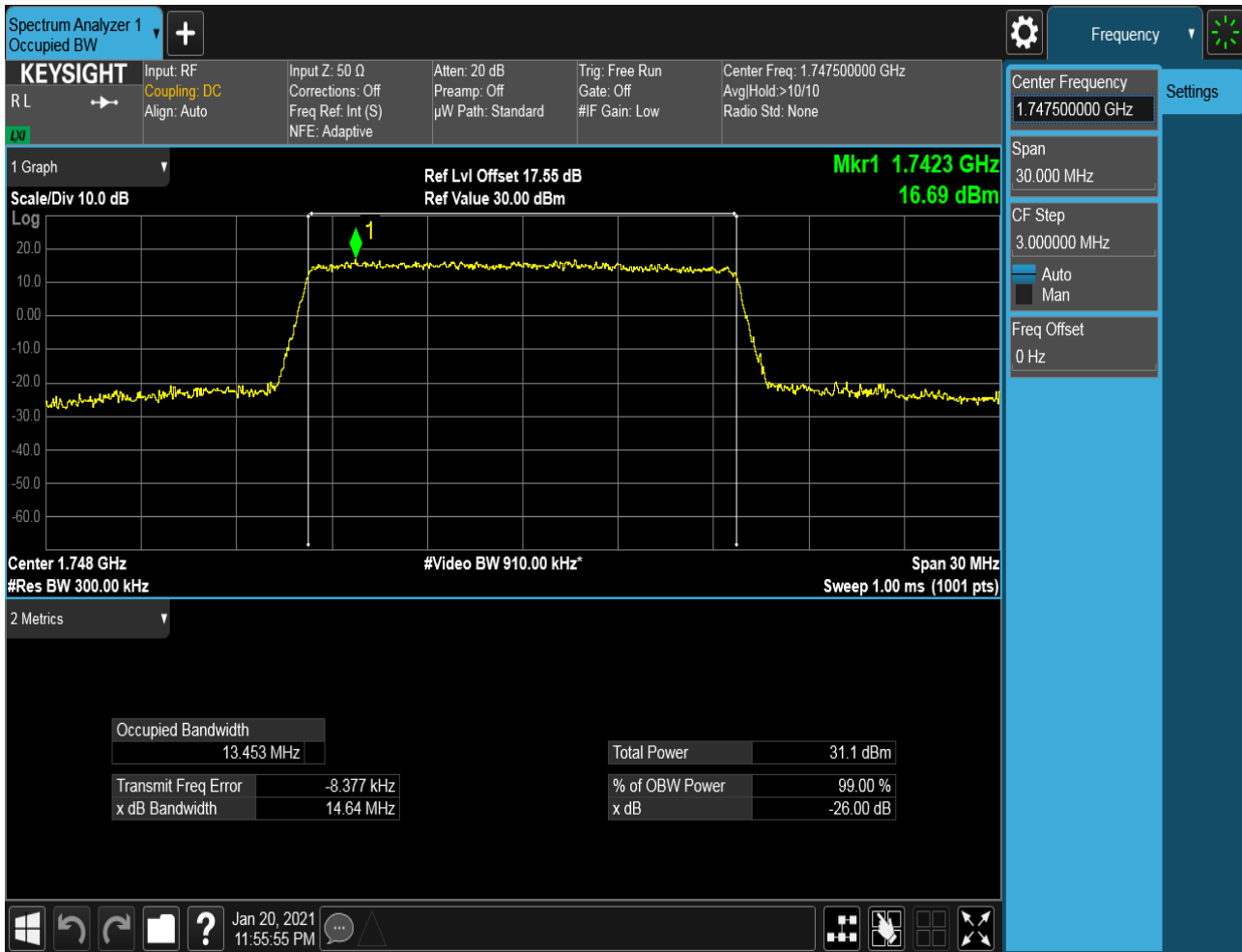
### 4.1.1.1.5.2 Test Channel = MCH

#### 4.1.1.1.5.2.1 Test RB = RB75#0



### 4.1.1.1.5.3 Test Channel = HCH

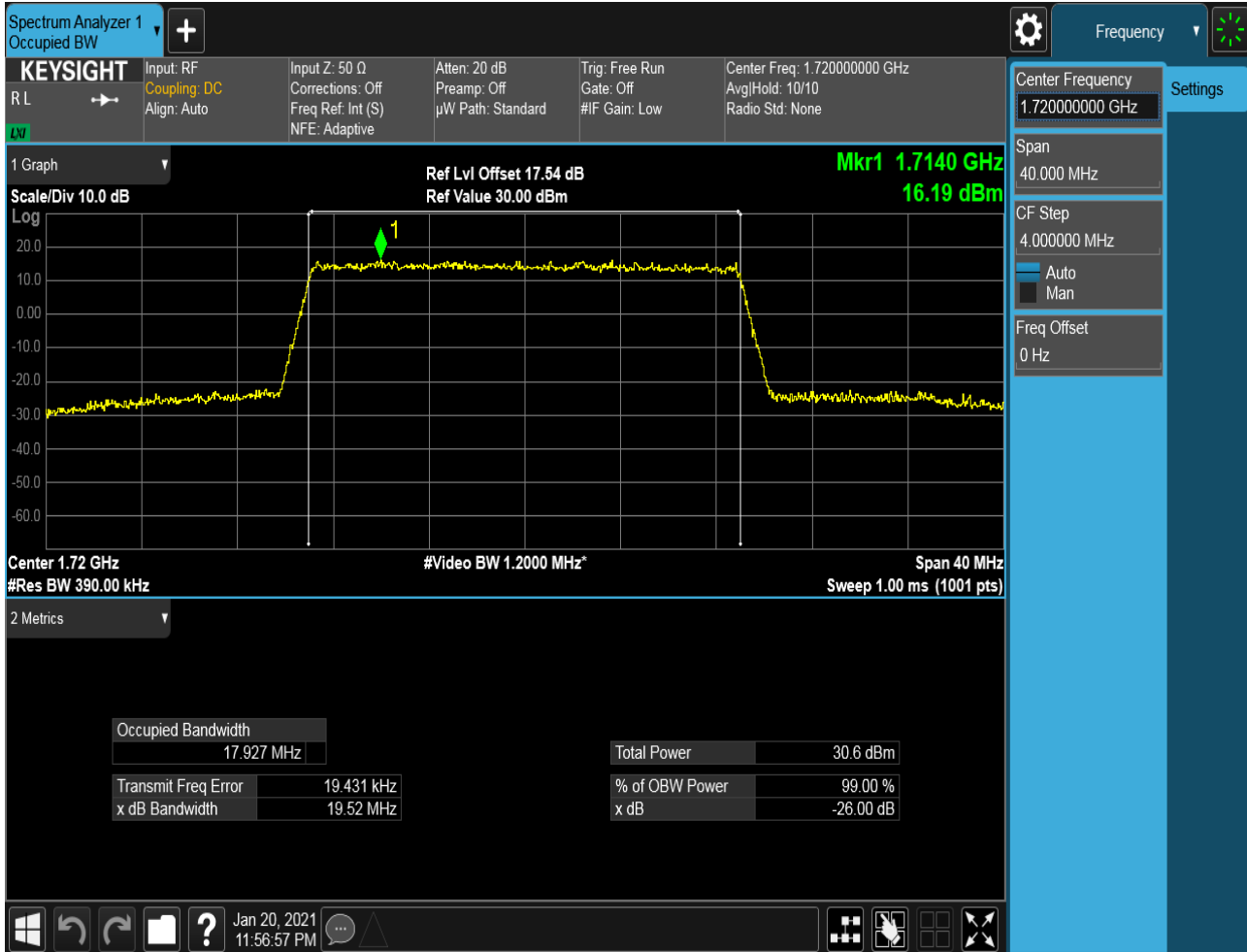
#### 4.1.1.1.5.3.1 Test RB = RB75#0



4.1.1.1.6 Test Bandwidth = 20

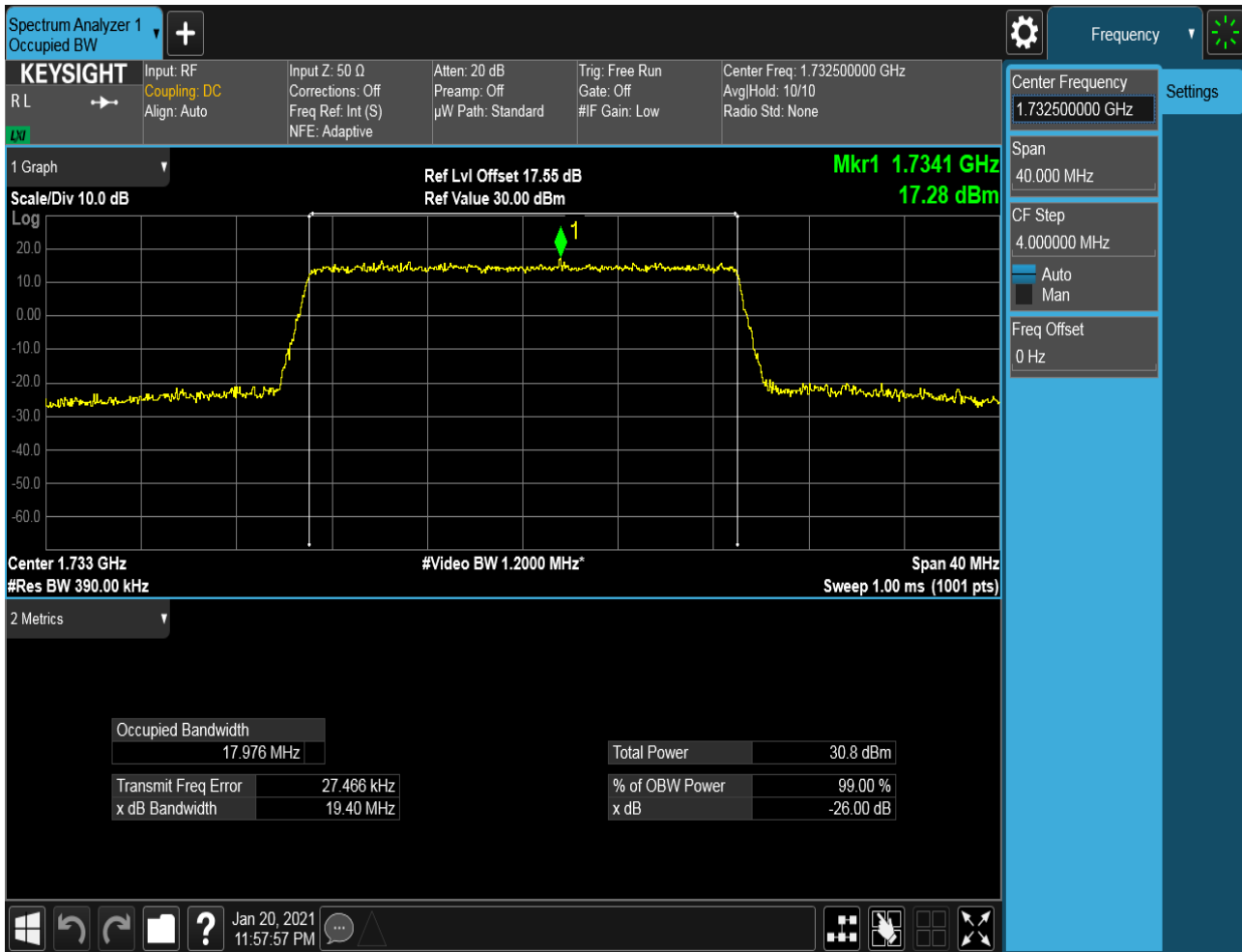
4.1.1.1.6.1 Test Channel = LCH

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

