

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/TM1	1.4	LCH	RB1#0	22.98	21.38	33	PASS
				RB1#3	22.96	21.36	33	PASS
				RB1#5	22.83	21.23	33	PASS
				RB3#0	22.87	21.27	33	PASS
				RB3#2	22.89	21.29	33	PASS
				RB3#3	22.87	21.27	33	PASS
				RB6#0	21.96	20.36	33	PASS
			MCH	RB1#0	23.01	21.41	33	PASS
				RB1#3	23.04	21.44	33	PASS
				RB1#5	22.89	21.29	33	PASS
				RB3#0	22.89	21.29	33	PASS
				RB3#2	22.89	21.29	33	PASS
				RB3#3	22.87	21.27	33	PASS
				RB6#0	22.01	20.41	33	PASS
			HCH	RB1#0	22.92	21.32	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#3	23.00	21.40	33	PASS
				RB1#5	22.90	21.30	33	PASS
				RB3#0	22.98	21.38	33	PASS
				RB3#2	23.01	21.41	33	PASS
				RB3#3	22.97	21.37	33	PASS
				RB6#0	22.05	20.45	33	PASS
		3	LCH	RB1#0	23.08	21.48	33	PASS
				RB1#7	22.92	21.32	33	PASS
				RB1#14	22.92	21.32	33	PASS
				RB8#0	22.09	20.49	33	PASS
				RB8#4	22.04	20.44	33	PASS
				RB8#7	21.97	20.37	33	PASS
				RB15#0	22.03	20.43	33	PASS
			MCH	RB1#0	23.04	21.44	33	PASS
				RB1#7	22.87	21.27	33	PASS
				RB1#14	22.93	21.33	33	PASS
				RB8#0	22.09	20.49	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#4	22.15	20.55	33	PASS
				RB8#7	22.09	20.49	33	PASS
				RB15#0	22.07	20.47	33	PASS
			HCH	RB1#0	23.12	21.52	33	PASS
				RB1#7	22.90	21.30	33	PASS
				RB1#14	22.96	21.36	33	PASS
				RB8#0	22.14	20.54	33	PASS
				RB8#4	22.14	20.54	33	PASS
				RB8#7	22.03	20.43	33	PASS
				RB15#0	22.07	20.47	33	PASS
		5	LCH	RB1#0	22.88	21.28	33	PASS
				RB1#13	23.03	21.43	33	PASS
				RB1#24	22.94	21.34	33	PASS
				RB12#0	22.15	20.55	33	PASS
				RB12#6	22.13	20.53	33	PASS
				RB12#13	22.03	20.43	33	PASS
				RB25#0	22.11	20.51	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	23.03	21.43	33	PASS
				RB1#13	23.04	21.44	33	PASS
				RB1#24	22.96	21.36	33	PASS
				RB12#0	22.09	20.49	33	PASS
				RB12#6	22.08	20.48	33	PASS
				RB12#13	22.07	20.47	33	PASS
				RB25#0	22.08	20.48	33	PASS
			HCH	RB1#0	23.12	21.52	33	PASS
				RB1#13	23.07	21.47	33	PASS
				RB1#24	23.05	21.45	33	PASS
				RB12#0	22.20	20.60	33	PASS
				RB12#6	22.19	20.59	33	PASS
				RB12#13	22.12	20.52	33	PASS
				RB25#0	22.14	20.54	33	PASS
		10	LCH	RB1#0	23.04	21.44	33	PASS
				RB1#25	22.93	21.33	33	PASS
				RB1#49	22.89	21.29	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB25#0	22.12	20.52	33	PASS
				RB25#13	22.08	20.48	33	PASS
				RB25#25	22.03	20.43	33	PASS
				RB50#0	22.05	20.45	33	PASS
			MCH	RB1#0	23.10	21.50	33	PASS
				RB1#25	22.98	21.38	33	PASS
				RB1#49	22.96	21.36	33	PASS
				RB25#0	22.10	20.50	33	PASS
				RB25#13	22.15	20.55	33	PASS
				RB25#25	22.12	20.52	33	PASS
				RB50#0	22.08	20.48	33	PASS
			HCH	RB1#0	23.12	21.52	33	PASS
				RB1#25	23.12	21.52	33	PASS
				RB1#49	23.02	21.42	33	PASS
				RB25#0	22.10	20.50	33	PASS
				RB25#13	22.08	20.48	33	PASS
				RB25#25	22.12	20.52	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
		15		RB50#0	22.09	20.49	33	PASS
				RB1#0	22.86	21.26	33	PASS
			LCH	RB1#38	22.86	21.26	33	PASS
				RB1#74	22.86	21.26	33	PASS
				RB38#0	22.00	20.40	33	PASS
				RB38#19	21.98	20.38	33	PASS
				RB38#39	21.99	20.39	33	PASS
				RB75#0	21.95	20.35	33	PASS
			MCH	RB1#0	22.82	21.22	33	PASS
				RB1#38	22.85	21.25	33	PASS
				RB1#74	22.90	21.30	33	PASS
				RB38#0	21.98	20.38	33	PASS
				RB38#19	21.98	20.38	33	PASS
				RB38#39	22.06	20.46	33	PASS
				RB75#0	21.96	20.36	33	PASS
			HCH	RB1#0	22.93	21.33	33	PASS
				RB1#38	22.92	21.32	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#74	22.93	21.33	33	PASS
				RB38#0	22.01	20.41	33	PASS
				RB38#19	22.00	20.40	33	PASS
				RB38#39	22.09	20.49	33	PASS
				RB75#0	22.01	20.41	33	PASS
		20	LCH	RB1#0	22.90	21.30	33	PASS
				RB1#50	22.91	21.31	33	PASS
				RB1#99	22.94	21.34	33	PASS
				RB50#0	21.94	20.34	33	PASS
				RB50#25	22.03	20.43	33	PASS
				RB50#50	22.03	20.43	33	PASS
				RB100#0	22.00	20.40	33	PASS
			MCH	RB1#0	22.91	21.31	33	PASS
				RB1#50	22.88	21.28	33	PASS
				RB1#99	22.94	21.34	33	PASS
				RB50#0	21.96	20.36	33	PASS
				RB50#25	21.96	20.36	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#50	22.04	20.44	33	PASS
				RB100#0	21.94	20.34	33	PASS
			HCH	RB1#0	22.89	21.29	33	PASS
				RB1#50	22.88	21.28	33	PASS
				RB1#99	22.93	21.33	33	PASS
				RB50#0	22.02	20.42	33	PASS
				RB50#25	22.02	20.42	33	PASS
				RB50#50	22.06	20.46	33	PASS
				RB100#0	22.06	20.46	33	PASS
	LTE/TM2	1.4	LCH	RB1#0	22.14	20.54	33	PASS
				RB1#3	22.22	20.62	33	PASS
				RB1#5	22.07	20.47	33	PASS
				RB3#0	22.01	20.41	33	PASS
				RB3#2	22.16	20.56	33	PASS
				RB3#3	22.04	20.44	33	PASS
				RB6#0	21.14	19.54	33	PASS
			MCH	RB1#0	22.10	20.50	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#3	22.12	20.52	33	PASS
				RB1#5	21.99	20.39	33	PASS
				RB3#0	22.21	20.61	33	PASS
				RB3#2	22.22	20.62	33	PASS
				RB3#3	22.17	20.57	33	PASS
				RB6#0	21.23	19.63	33	PASS
			HCH	RB1#0	22.52	20.92	33	PASS
				RB1#3	22.51	20.91	33	PASS
				RB1#5	22.41	20.81	33	PASS
				RB3#0	22.23	20.63	33	PASS
				RB3#2	22.20	20.60	33	PASS
				RB3#3	22.20	20.60	33	PASS
				RB6#0	20.92	19.32	33	PASS
		3	LCH	RB1#0	22.45	20.85	33	PASS
				RB1#7	22.47	20.87	33	PASS
				RB1#14	22.30	20.70	33	PASS
				RB8#0	21.12	19.52	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB8#4	21.11	19.51	33	PASS
				RB8#7	21.09	19.49	33	PASS
				RB15#0	21.13	19.53	33	PASS
			MCH	RB1#0	22.18	20.58	33	PASS
				RB1#7	22.00	20.40	33	PASS
				RB1#14	21.88	20.28	33	PASS
				RB8#0	21.19	19.59	33	PASS
				RB8#4	21.24	19.64	33	PASS
				RB8#7	21.18	19.58	33	PASS
				RB15#0	21.10	19.50	33	PASS
			HCH	RB1#0	22.22	20.62	33	PASS
				RB1#7	22.08	20.48	33	PASS
				RB1#14	22.03	20.43	33	PASS
				RB8#0	21.10	19.50	33	PASS
				RB8#4	21.19	19.59	33	PASS
				RB8#7	21.08	19.48	33	PASS
				RB15#0	21.04	19.44	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
		5	LCH	RB1#0	22.54	20.94	33	PASS
				RB1#13	22.60	21.00	33	PASS
				RB1#24	22.60	21.00	33	PASS
				RB12#0	21.28	19.68	33	PASS
				RB12#6	21.27	19.67	33	PASS
				RB12#13	21.13	19.53	33	PASS
				RB25#0	21.17	19.57	33	PASS
			MCH	RB1#0	22.26	20.66	33	PASS
				RB1#13	22.25	20.65	33	PASS
				RB1#24	22.21	20.61	33	PASS
				RB12#0	21.17	19.57	33	PASS
				RB12#6	21.17	19.57	33	PASS
				RB12#13	21.17	19.57	33	PASS
				RB25#0	21.14	19.54	33	PASS
			HCH	RB1#0	22.35	20.75	33	PASS
				RB1#13	22.25	20.65	33	PASS
				RB1#24	22.19	20.59	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#0	21.18	19.58	33	PASS
				RB12#6	21.29	19.69	33	PASS
				RB12#13	21.15	19.55	33	PASS
				RB25#0	21.07	19.47	33	PASS
		10	LCH	RB1#0	22.48	20.88	33	PASS
				RB1#25	22.51	20.91	33	PASS
				RB1#49	22.38	20.78	33	PASS
				RB25#0	21.10	19.50	33	PASS
				RB25#13	21.23	19.63	33	PASS
				RB25#25	21.14	19.54	33	PASS
				RB50#0	21.08	19.48	33	PASS
			MCH	RB1#0	22.02	20.42	33	PASS
				RB1#25	21.93	20.33	33	PASS
				RB1#49	21.97	20.37	33	PASS
				RB25#0	21.14	19.54	33	PASS
				RB25#13	21.22	19.62	33	PASS
				RB25#25	21.19	19.59	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.07	19.47	33	PASS
			HCH	RB1#0	22.21	20.61	33	PASS
				RB1#25	22.19	20.59	33	PASS
				RB1#49	22.05	20.45	33	PASS
				RB25#0	21.27	19.67	33	PASS
				RB25#13	21.22	19.62	33	PASS
				RB25#25	21.24	19.64	33	PASS
				RB50#0	21.11	19.51	33	PASS
		15	LCH	RB1#0	22.29	20.69	33	PASS
				RB1#38	22.30	20.70	33	PASS
				RB1#74	22.35	20.75	33	PASS
				RB38#0	21.05	19.45	33	PASS
				RB38#19	21.07	19.47	33	PASS
				RB38#39	21.10	19.50	33	PASS
				RB75#0	21.08	19.48	33	PASS
			MCH	RB1#0	21.92	20.32	33	PASS
				RB1#38	21.88	20.28	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#74	21.96	20.36	33	PASS
				RB38#0	20.96	19.36	33	PASS
				RB38#19	20.97	19.37	33	PASS
				RB38#39	21.06	19.46	33	PASS
				RB75#0	20.96	19.36	33	PASS
			HCH	RB1#0	22.46	20.86	33	PASS
				RB1#38	22.42	20.82	33	PASS
				RB1#74	22.32	20.72	33	PASS
				RB38#0	20.98	19.38	33	PASS
				RB38#19	20.94	19.34	33	PASS
				RB38#39	21.08	19.48	33	PASS
				RB75#0	21.00	19.40	33	PASS
		20	LCH	RB1#0	22.34	20.74	33	PASS
				RB1#50	22.36	20.76	33	PASS
				RB1#99	22.39	20.79	33	PASS
				RB50#0	20.98	19.38	33	PASS
				RB50#25	21.05	19.45	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#50	21.05	19.45	33	PASS
				RB100#0	21.02	19.42	33	PASS
			MCH	RB1#0	22.45	20.85	33	PASS
				RB1#50	22.41	20.81	33	PASS
				RB1#99	22.43	20.83	33	PASS
				RB50#0	21.01	19.41	33	PASS
				RB50#25	21.01	19.41	33	PASS
				RB50#50	21.06	19.46	33	PASS
				RB100#0	21.01	19.41	33	PASS
			HCH	RB1#0	22.36	20.76	33	PASS
				RB1#50	22.35	20.75	33	PASS
				RB1#99	22.31	20.71	33	PASS
				RB50#0	20.98	19.38	33	PASS
				RB50#25	20.96	19.36	33	PASS
				RB50#50	21.06	19.46	33	PASS
				RB100#0	21.06	19.46	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,

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b, SGP = Signal Generator Level

Note2:

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

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

$$\text{SET VBW} \geq 3 * \text{RBW}$$

$$\text{SET Sweep time} = \text{auto} - \text{couple.}$$

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	3.77	13	PASS
				RB1#3	3.56	13	PASS
				RB1#5	3.87	13	PASS
				RB3#0	4.06	13	PASS
				RB3#2	3.98	13	PASS
				RB3#3	4.04	13	PASS
				RB6#0	5.33	13	PASS
			MCH	RB1#0	3.87	13	PASS
				RB1#3	3.66	13	PASS
				RB1#5	3.96	13	PASS
				RB3#0	4.19	13	PASS
				RB3#2	4.13	13	PASS
				RB3#3	4.17	13	PASS
				RB6#0	5.74	13	PASS
			HCH	RB1#0	3.60	13	PASS
				RB1#3	3.41	13	PASS
				RB1#5	3.59	13	PASS
				RB3#0	3.85	13	PASS
				RB3#2	3.77	13	PASS
				RB3#3	3.85	13	PASS
				RB6#0	4.95	13	PASS
		3	LCH	RB1#0	3.55	13	PASS
				RB1#7	3.50	13	PASS
				RB1#14	3.61	13	PASS
				RB8#0	4.97	13	PASS
				RB8#4	4.95	13	PASS
				RB8#7	4.98	13	PASS
				RB15#0	5.28	13	PASS
			MCH	RB1#0	3.58	13	PASS
				RB1#7	3.54	13	PASS
				RB1#14	3.65	13	PASS
				RB8#0	5.02	13	PASS
				RB8#4	4.94	13	PASS
				RB8#7	5.03	13	PASS
				RB15#0	5.22	13	PASS
			HCH	RB1#0	3.41	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#7	3.38	13	PASS
				RB1#14	3.43	13	PASS
				RB8#0	4.86	13	PASS
				RB8#4	4.77	13	PASS
				RB8#7	4.83	13	PASS
				RB15#0	5.44	13	PASS
		5	LCH	RB1#0	3.59	13	PASS
				RB1#13	3.47	13	PASS
				RB1#24	3.60	13	PASS
				RB12#0	4.98	13	PASS
				RB12#6	4.94	13	PASS
				RB12#13	5.02	13	PASS
				RB25#0	5.29	13	PASS
			MCH	RB1#0	3.61	13	PASS
				RB1#13	3.50	13	PASS
				RB1#24	3.67	13	PASS
				RB12#0	5.07	13	PASS
				RB12#6	5.08	13	PASS
				RB12#13	5.05	13	PASS
				RB25#0	5.19	13	PASS
			HCH	RB1#0	3.42	13	PASS
				RB1#13	3.36	13	PASS
				RB1#24	3.46	13	PASS
				RB12#0	4.82	13	PASS
				RB12#6	4.74	13	PASS
				RB12#13	4.83	13	PASS
				RB25#0	5.43	13	PASS
		10	LCH	RB1#0	3.56	13	PASS
				RB1#25	3.55	13	PASS
				RB1#49	3.58	13	PASS
				RB25#0	5.11	13	PASS
				RB25#13	5.15	13	PASS
				RB25#25	5.17	13	PASS
			MCH	RB50#0	6.19	13	PASS
				RB1#0	3.54	13	PASS
				RB1#25	3.58	13	PASS
				RB1#49	3.62	13	PASS
				RB25#0	5.14	13	PASS
				RB25#13	5.16	13	PASS
				RB25#25	5.11	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#0	5.47	13	PASS
			HCH	RB1#0	3.37	13	PASS
				RB1#25	3.37	13	PASS
				RB1#49	3.37	13	PASS
				RB25#0	4.84	13	PASS
				RB25#13	4.80	13	PASS
				RB25#25	4.77	13	PASS
				RB50#0	5.49	13	PASS
		15	LCH	RB1#0	3.55	13	PASS
				RB1#38	3.57	13	PASS
				RB1#74	3.54	13	PASS
				RB38#0	5.11	13	PASS
				RB38#19	5.10	13	PASS
				RB38#39	5.17	13	PASS
				RB75#0	6.09	13	PASS
			MCH	RB1#0	3.57	13	PASS
				RB1#38	3.60	13	PASS
				RB1#74	3.59	13	PASS
				RB38#0	5.06	13	PASS
				RB38#19	5.15	13	PASS
				RB38#39	5.10	13	PASS
				RB75#0	6.59	13	PASS
			HCH	RB1#0	3.48	13	PASS
				RB1#38	3.37	13	PASS
				RB1#74	3.39	13	PASS
				RB38#0	4.90	13	PASS
				RB38#19	4.82	13	PASS
				RB38#39	4.80	13	PASS
				RB75#0	5.69	13	PASS
		20	LCH	RB1#0	3.56	13	PASS
				RB1#50	3.54	13	PASS
				RB1#99	3.48	13	PASS
				RB50#0	5.11	13	PASS
				RB50#25	5.18	13	PASS
				RB50#50	5.14	13	PASS
				RB100#0	6.11	13	PASS
			MCH	RB1#0	3.51	13	PASS
				RB1#50	3.59	13	PASS
				RB1#99	3.54	13	PASS
				RB50#0	5.12	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#25	5.25	13	PASS
				RB50#50	5.17	13	PASS
				RB100#0	6.32	13	PASS
			HCH	RB1#0	3.57	13	PASS
				RB1#50	3.48	13	PASS
				RB1#99	3.42	13	PASS
				RB50#0	5.02	13	PASS
				RB50#25	4.92	13	PASS
				RB50#50	4.93	13	PASS
				RB100#0	5.31	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.23	13	PASS
				RB1#3	5.13	13	PASS
				RB1#5	5.24	13	PASS
				RB3#0	5.58	13	PASS
				RB3#2	5.54	13	PASS
				RB3#3	5.66	13	PASS
				RB6#0	6.56	13	PASS
			MCH	RB1#0	5.50	13	PASS
				RB1#3	5.41	13	PASS
				RB1#5	5.56	13	PASS
				RB3#0	5.77	13	PASS
				RB3#2	5.69	13	PASS
				RB3#3	5.78	13	PASS
				RB6#0	6.16	13	PASS
			HCH	RB1#0	5.17	13	PASS
				RB1#3	5.05	13	PASS
				RB1#5	5.19	13	PASS
				RB3#0	5.02	13	PASS
				RB3#2	4.88	13	PASS
				RB3#3	4.98	13	PASS
				RB6#0	5.67	13	PASS
		3	LCH	RB1#0	5.07	13	PASS
				RB1#7	5.05	13	PASS
				RB1#14	5.14	13	PASS
				RB8#0	5.86	13	PASS
				RB8#4	5.81	13	PASS
				RB8#7	5.94	13	PASS
				RB15#0	6.05	13	PASS
			MCH	RB1#0	5.58	13	PASS
				RB1#7	5.55	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	5.90	13	PASS
				RB8#4	5.80	13	PASS
				RB8#7	5.86	13	PASS
				RB15#0	6.43	13	PASS
			HCH	RB1#0	5.11	13	PASS
				RB1#7	5.08	13	PASS
				RB1#14	5.14	13	PASS
				RB8#0	5.69	13	PASS
				RB8#4	5.62	13	PASS
				RB8#7	5.64	13	PASS
				RB15#0	6.01	13	PASS
		5	LCH	RB1#0	4.87	13	PASS
				RB1#13	4.81	13	PASS
				RB1#24	4.90	13	PASS
				RB12#0	5.71	13	PASS
				RB12#6	5.73	13	PASS
				RB12#13	5.81	13	PASS
				RB25#0	6.19	13	PASS
			MCH	RB1#0	5.31	13	PASS
				RB1#13	5.25	13	PASS
				RB1#24	5.29	13	PASS
				RB12#0	6.06	13	PASS
				RB12#6	5.87	13	PASS
				RB12#13	5.91	13	PASS
				RB25#0	6.31	13	PASS
			HCH	RB1#0	4.96	13	PASS
				RB1#13	4.97	13	PASS
				RB1#24	4.98	13	PASS
				RB12#0	5.68	13	PASS
				RB12#6	5.65	13	PASS
				RB12#13	5.68	13	PASS
				RB25#0	6.68	13	PASS
		10	LCH	RB1#0	5.09	13	PASS
				RB1#25	5.05	13	PASS
				RB1#49	5.09	13	PASS
				RB25#0	5.99	13	PASS
				RB25#13	6.03	13	PASS
				RB25#25	6.09	13	PASS
				RB50#0	6.86	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			MCH	RB1#0	5.51	13	PASS
				RB1#25	5.55	13	PASS
				RB1#49	5.62	13	PASS
				RB25#0	6.20	13	PASS
				RB25#13	6.12	13	PASS
				RB25#25	6.20	13	PASS
				RB50#0	6.69	13	PASS
			HCH	RB1#0	5.09	13	PASS
				RB1#25	5.05	13	PASS
				RB1#49	5.04	13	PASS
				RB25#0	5.70	13	PASS
				RB25#13	5.60	13	PASS
				RB25#25	5.66	13	PASS
				RB50#0	6.44	13	PASS
		15	LCH	RB1#0	5.18	13	PASS
				RB1#38	5.11	13	PASS
				RB1#74	5.05	13	PASS
				RB38#0	6.12	13	PASS
				RB38#19	6.18	13	PASS
				RB38#39	6.14	13	PASS
				RB75#0	7.14	13	PASS
			MCH	RB1#0	5.54	13	PASS
				RB1#38	5.58	13	PASS
				RB1#74	5.59	13	PASS
				RB38#0	6.16	13	PASS
				RB38#19	6.16	13	PASS
				RB38#39	6.16	13	PASS
				RB75#0	7.13	13	PASS
			HCH	RB1#0	4.96	13	PASS
				RB1#38	4.74	13	PASS
				RB1#74	4.70	13	PASS
				RB38#0	5.96	13	PASS
				RB38#19	5.83	13	PASS
				RB38#39	5.88	13	PASS
				RB75#0	6.70	13	PASS
		20	LCH	RB1#0	5.13	13	PASS
				RB1#50	5.07	13	PASS
				RB1#99	4.98	13	PASS
				RB50#0	6.10	13	PASS
				RB50#25	6.07	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#50	6.14	13	PASS
				RB100#0	6.99	13	PASS
			MCH	RB1#0	4.85	13	PASS
				RB1#50	4.91	13	PASS
				RB1#99	4.91	13	PASS
				RB50#0	6.11	13	PASS
				RB50#25	6.06	13	PASS
				RB50#50	6.10	13	PASS
				RB100#0	7.16	13	PASS
			HCH	RB1#0	5.08	13	PASS
				RB1#50	4.84	13	PASS
				RB1#99	4.78	13	PASS
				RB50#0	6.00	13	PASS
				RB50#25	5.94	13	PASS
				RB50#50	5.92	13	PASS
				RB100#0	6.13	13	PASS

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

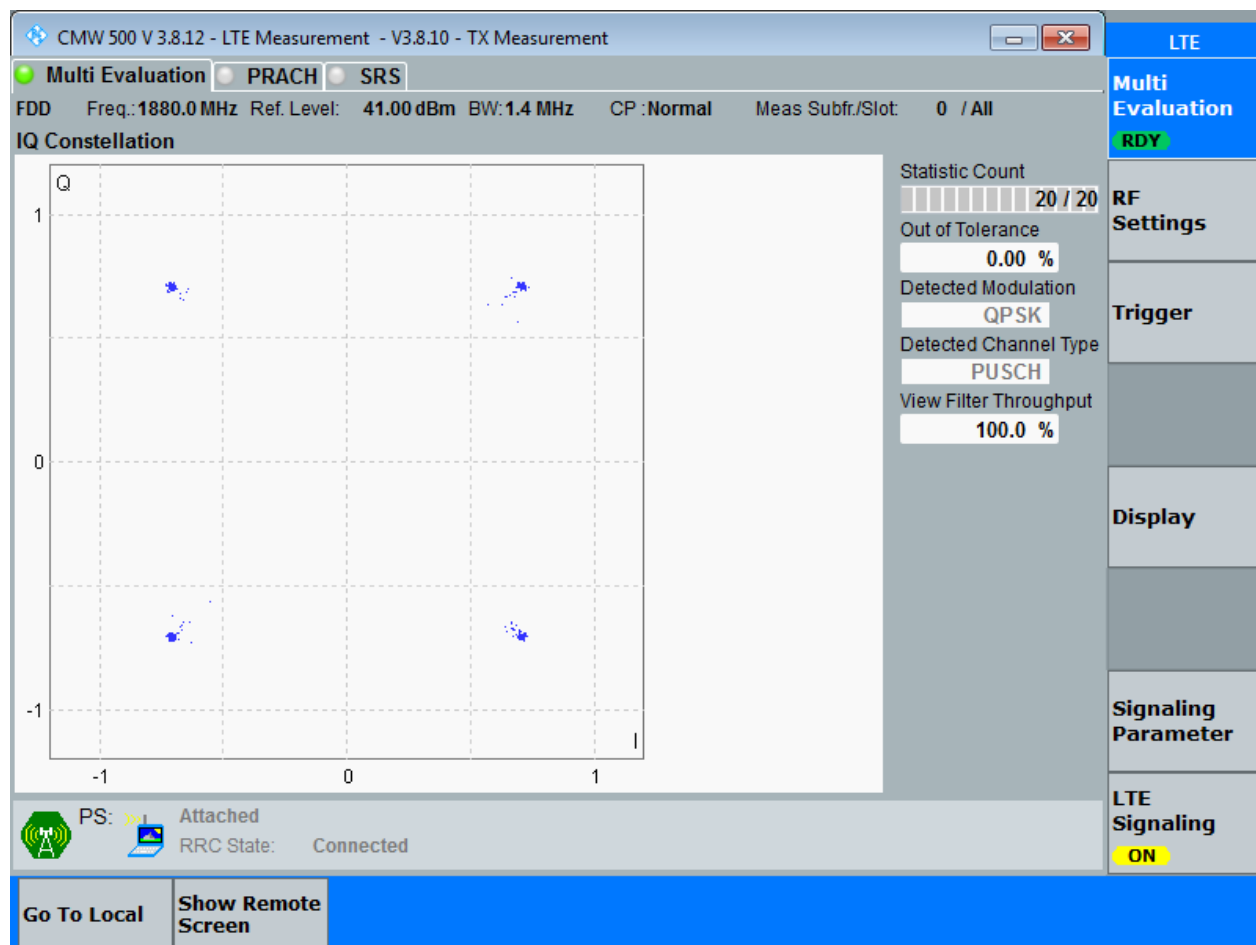
3.1.1 Test Band = Band2

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

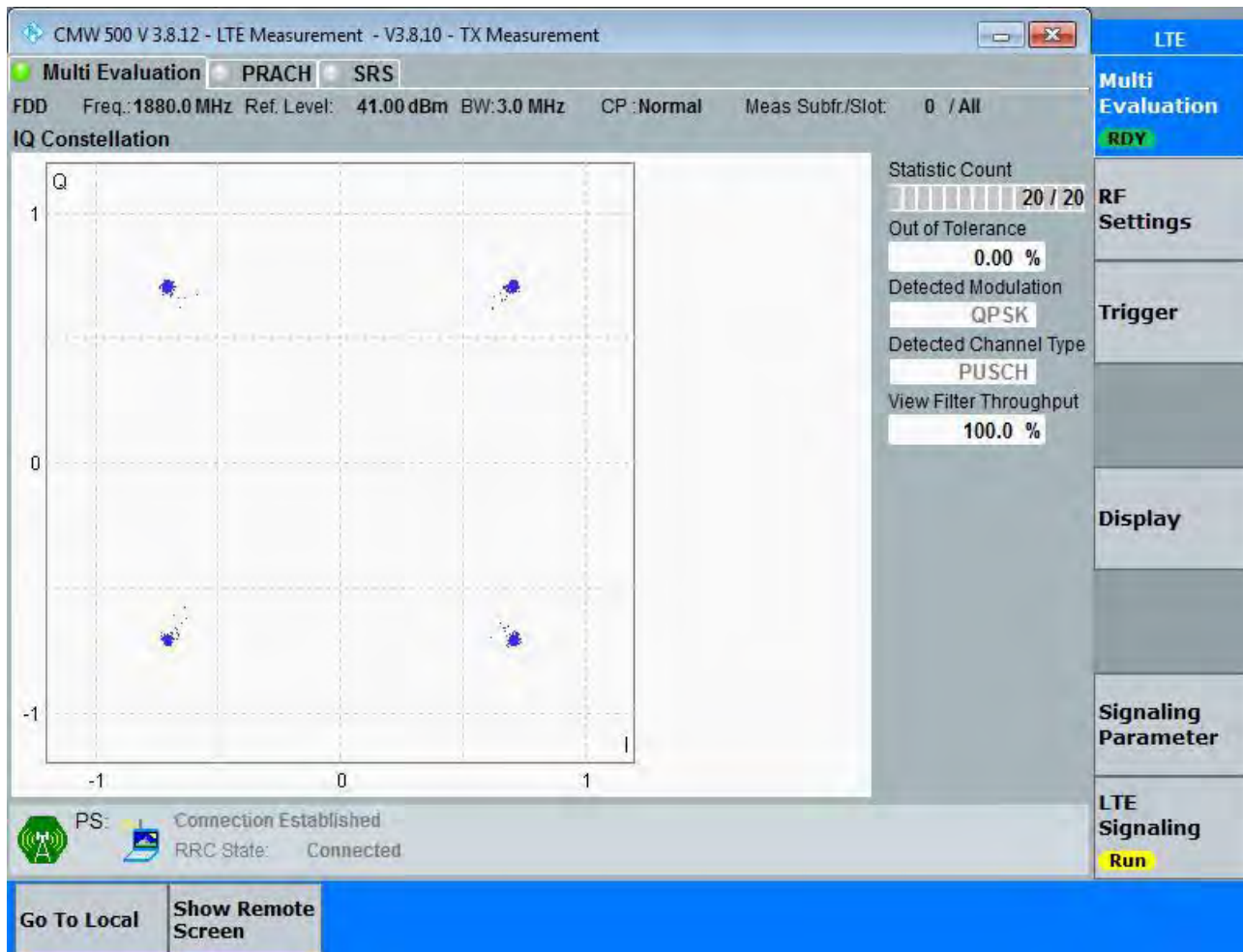
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

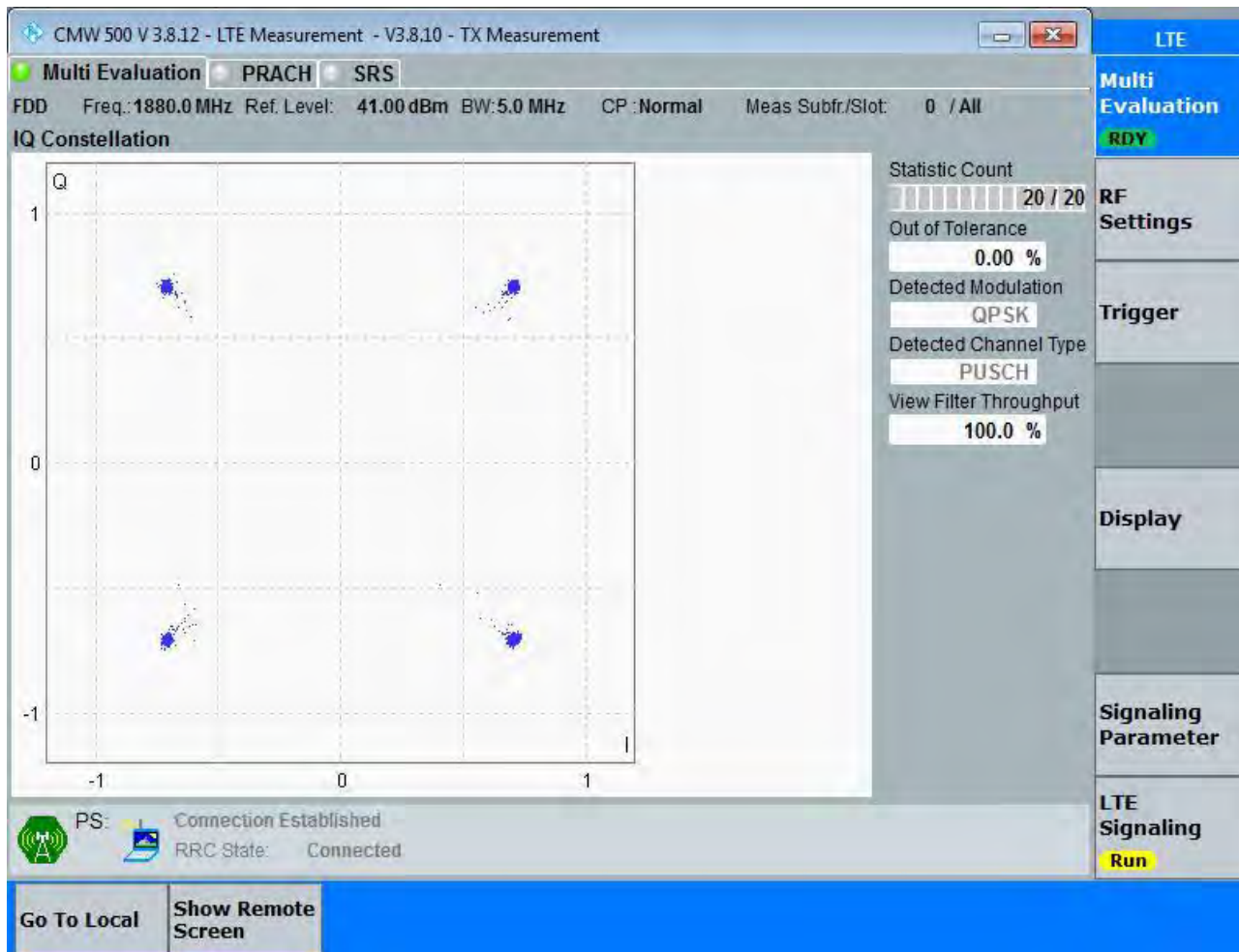
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

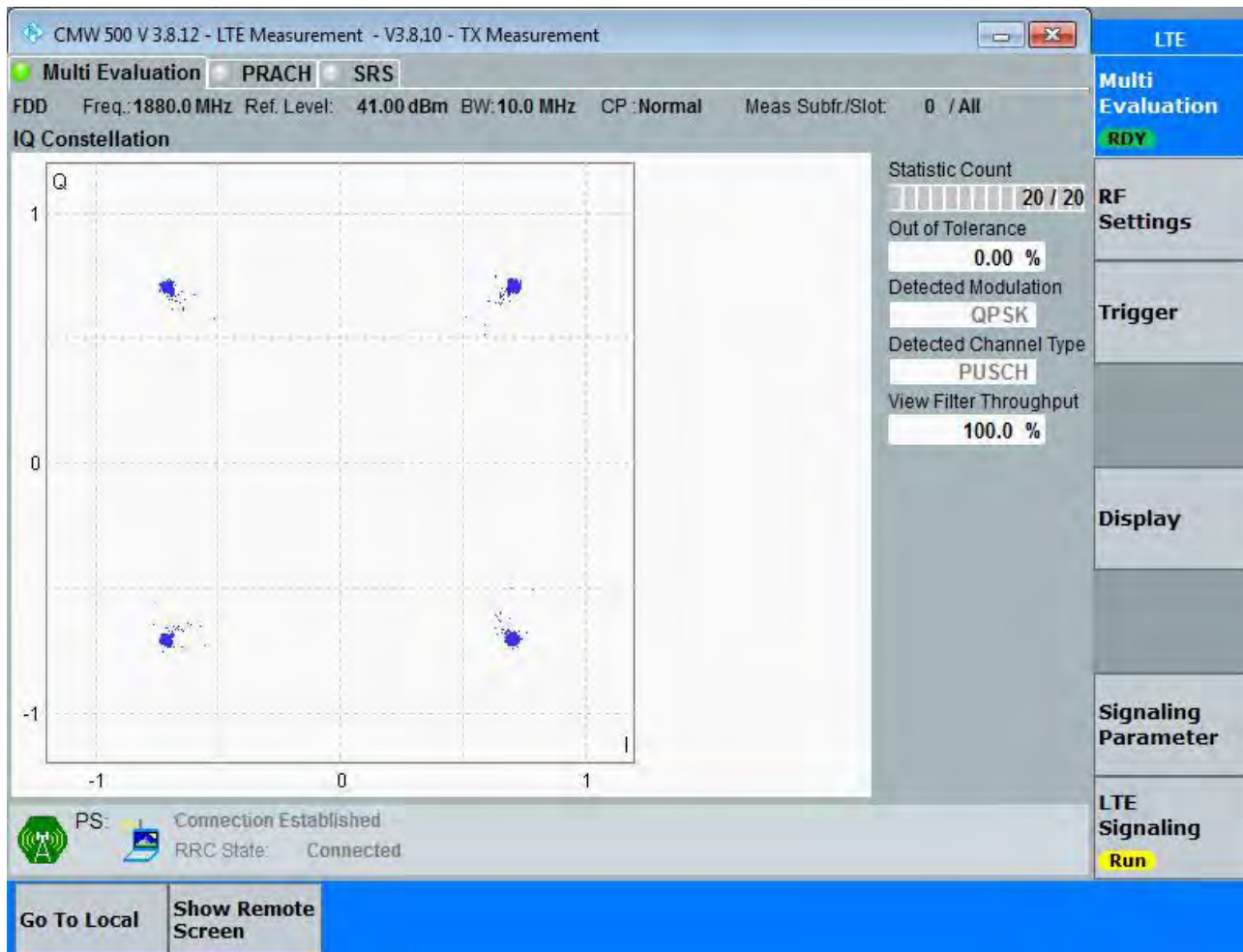
3.1.1.1.3.1.1 Test RB = RB25#0



3.1.1.1.4 Test Bandwidth = 10

3.1.1.1.4.1 Test Channel = MCH

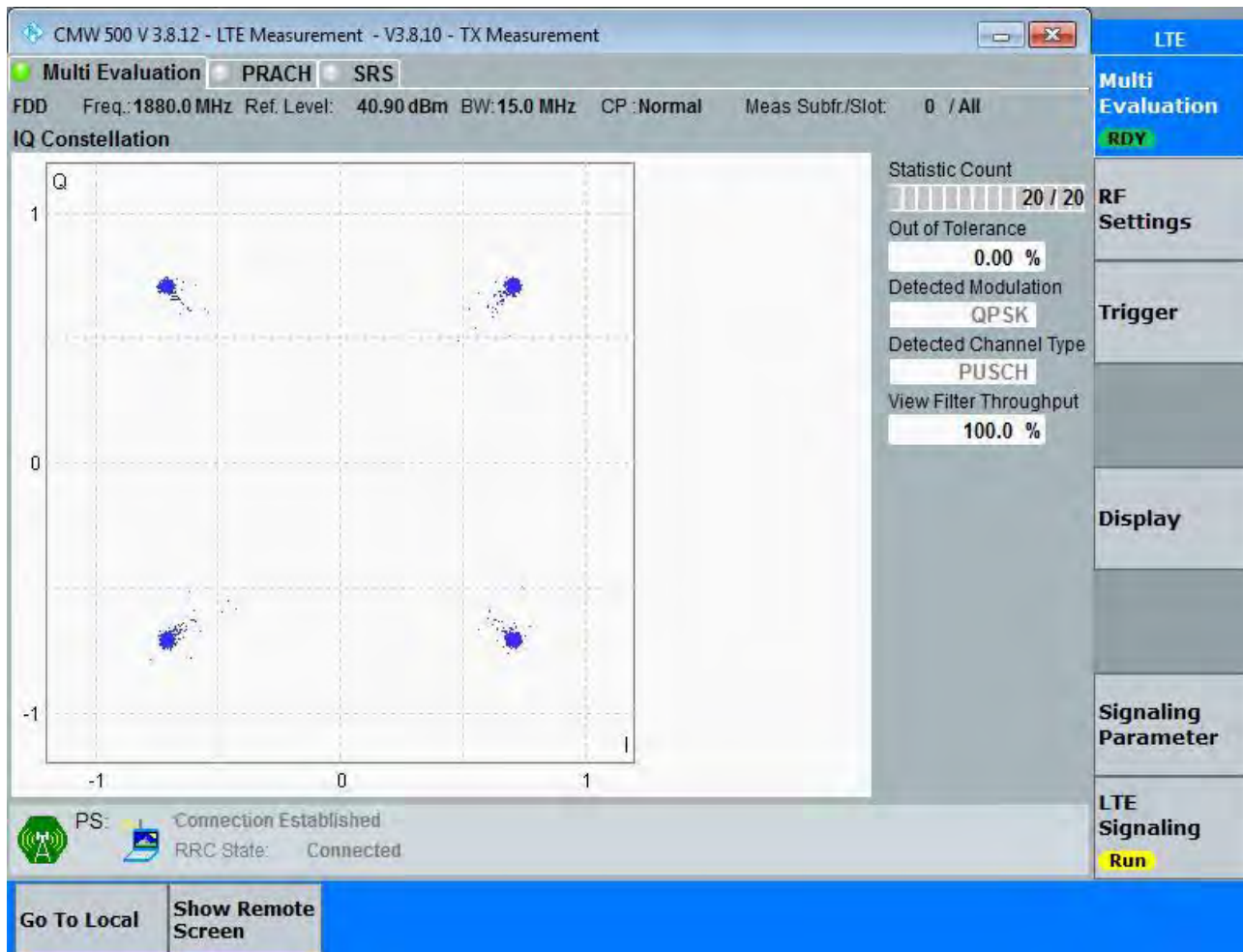
3.1.1.1.4.1.1 Test RB = RB50#0



3.1.1.1.5 Test Bandwidth = 15

3.1.1.1.5.1 Test Channel = MCH

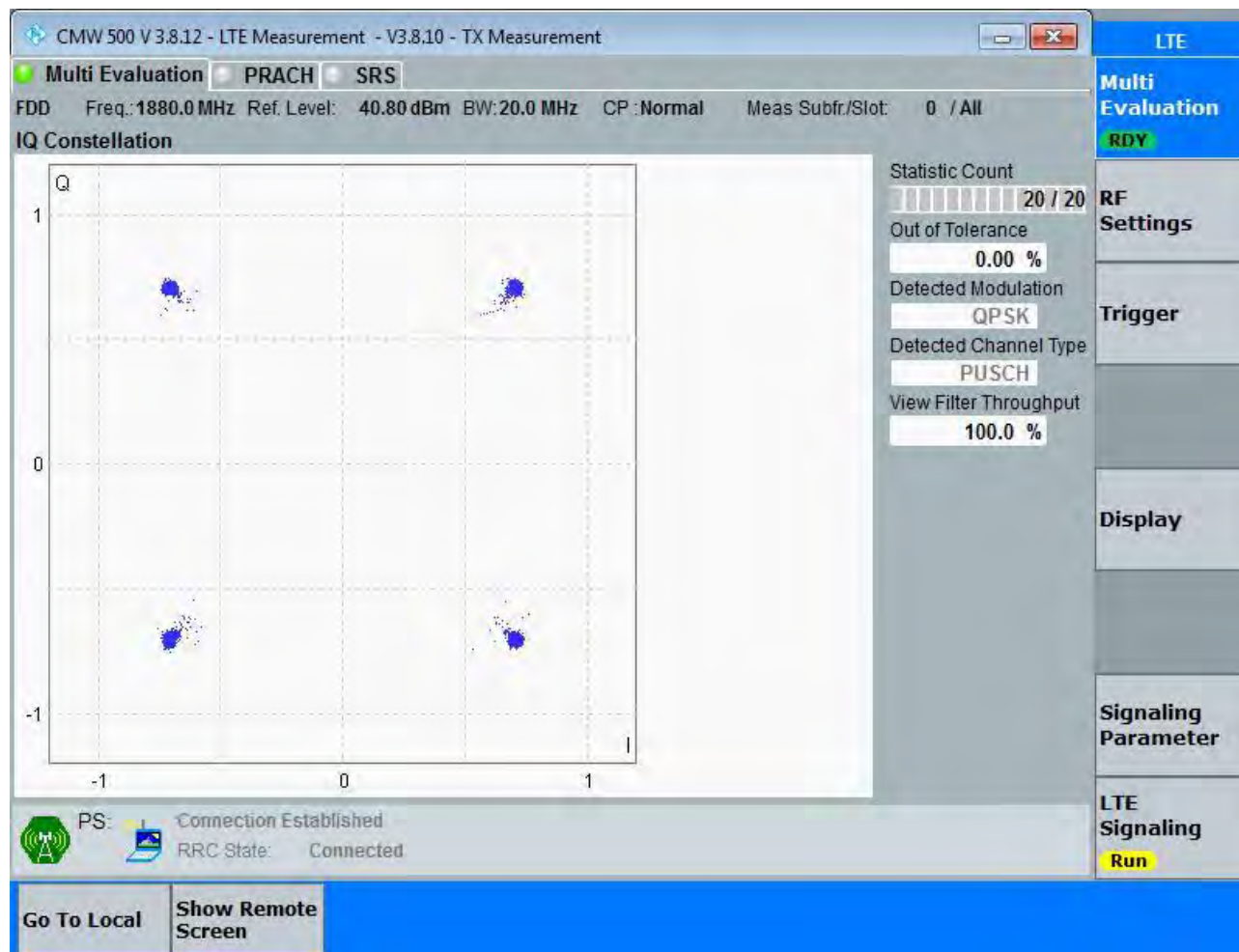
3.1.1.1.5.1.1 Test RB = RB75#0



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

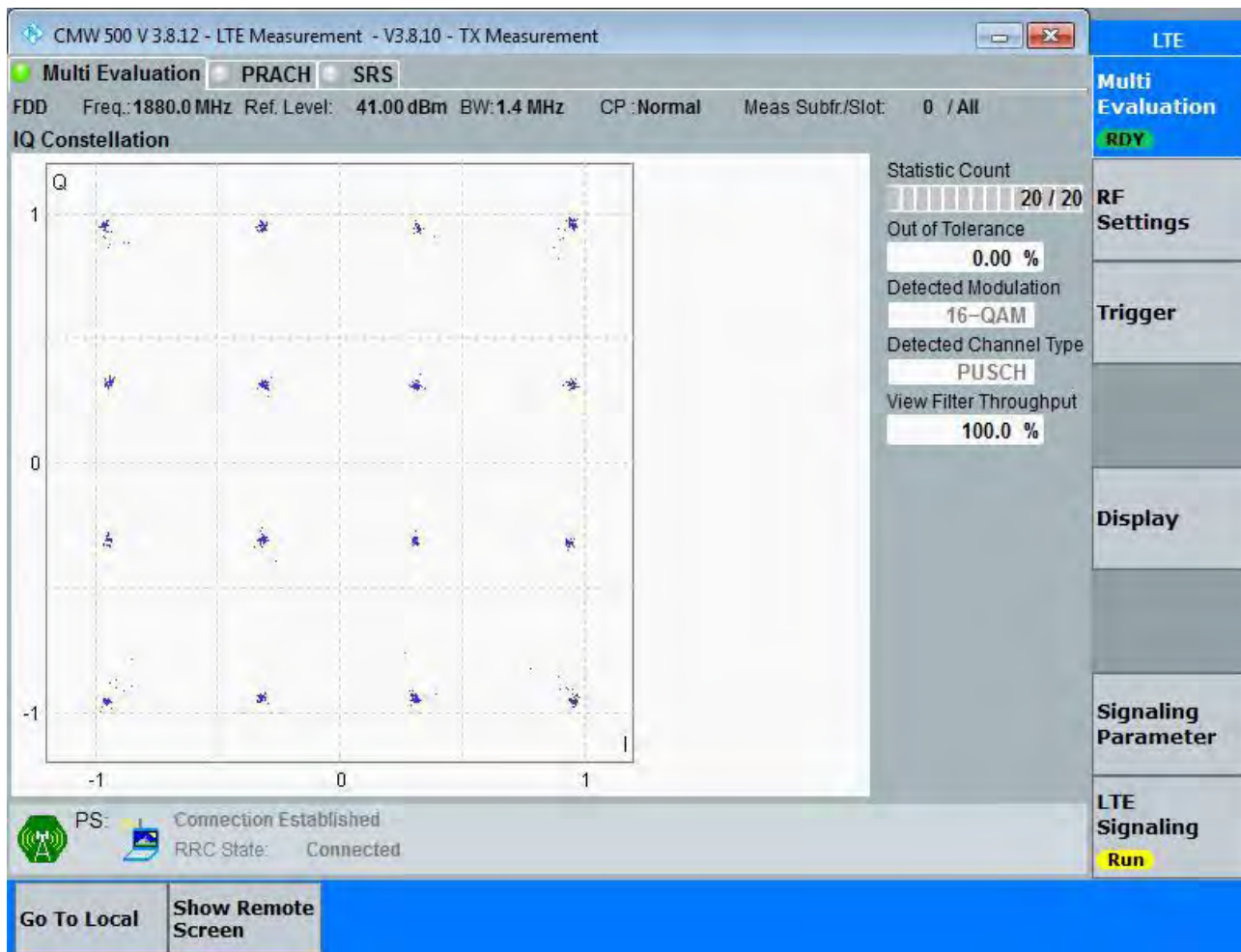


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

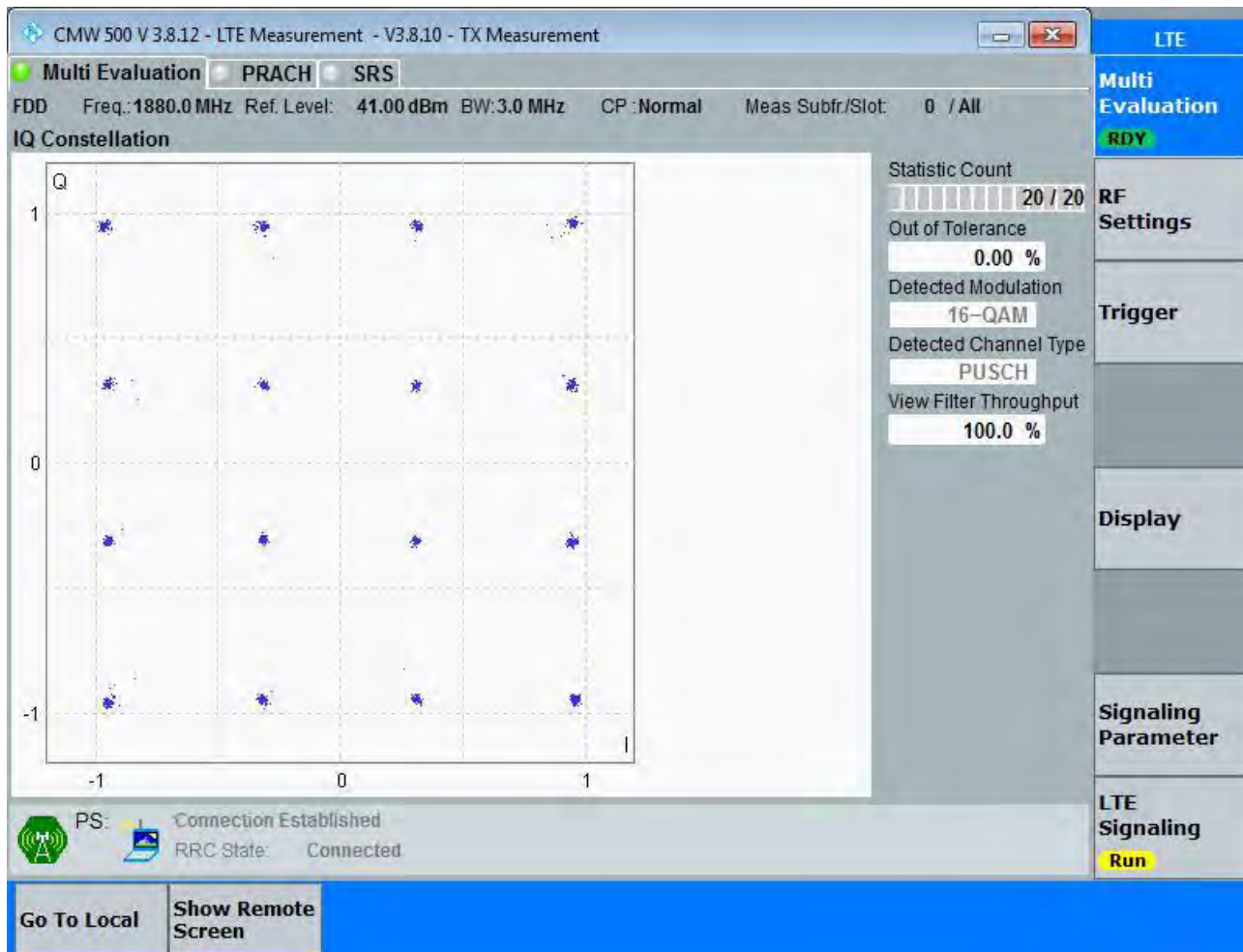
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

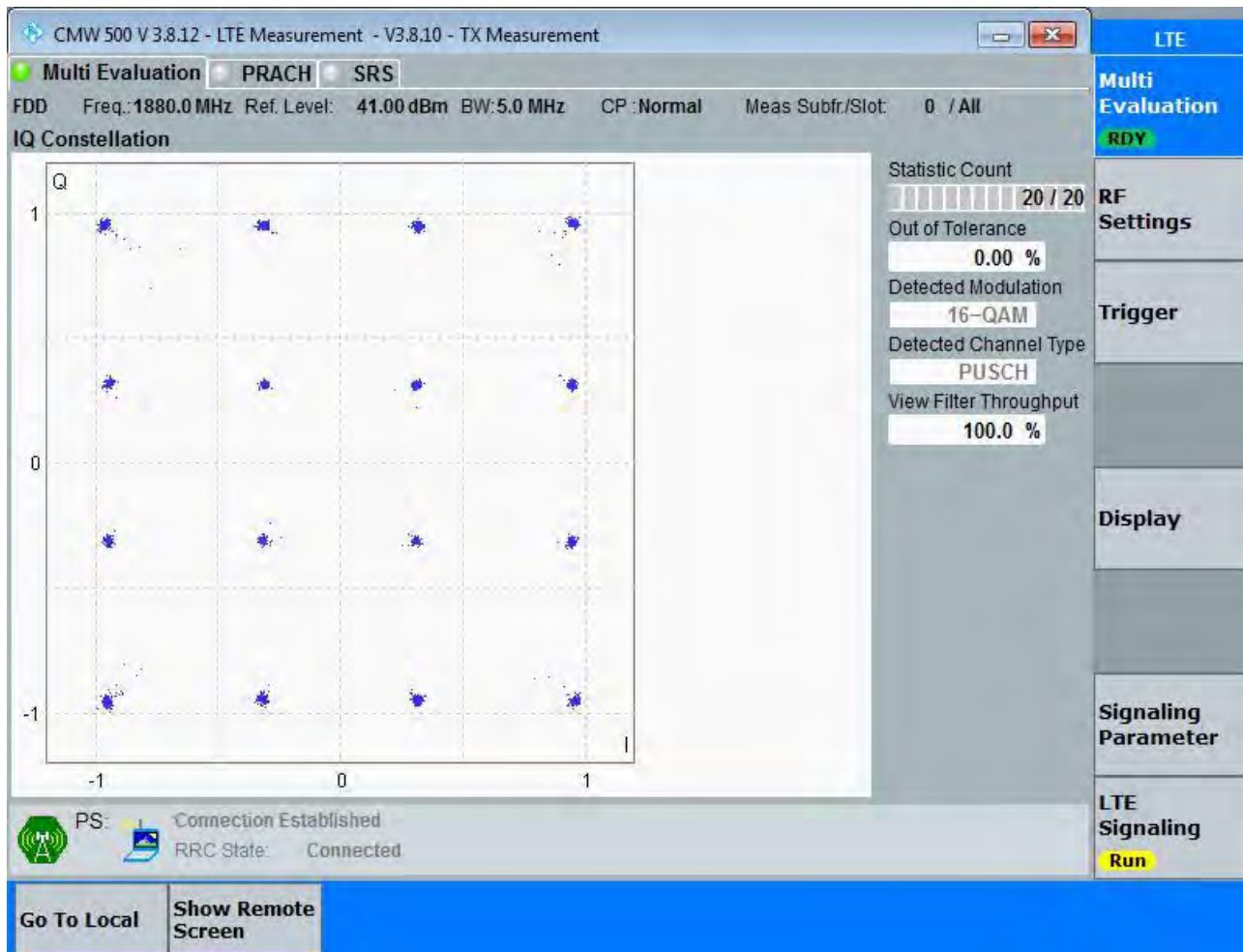
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

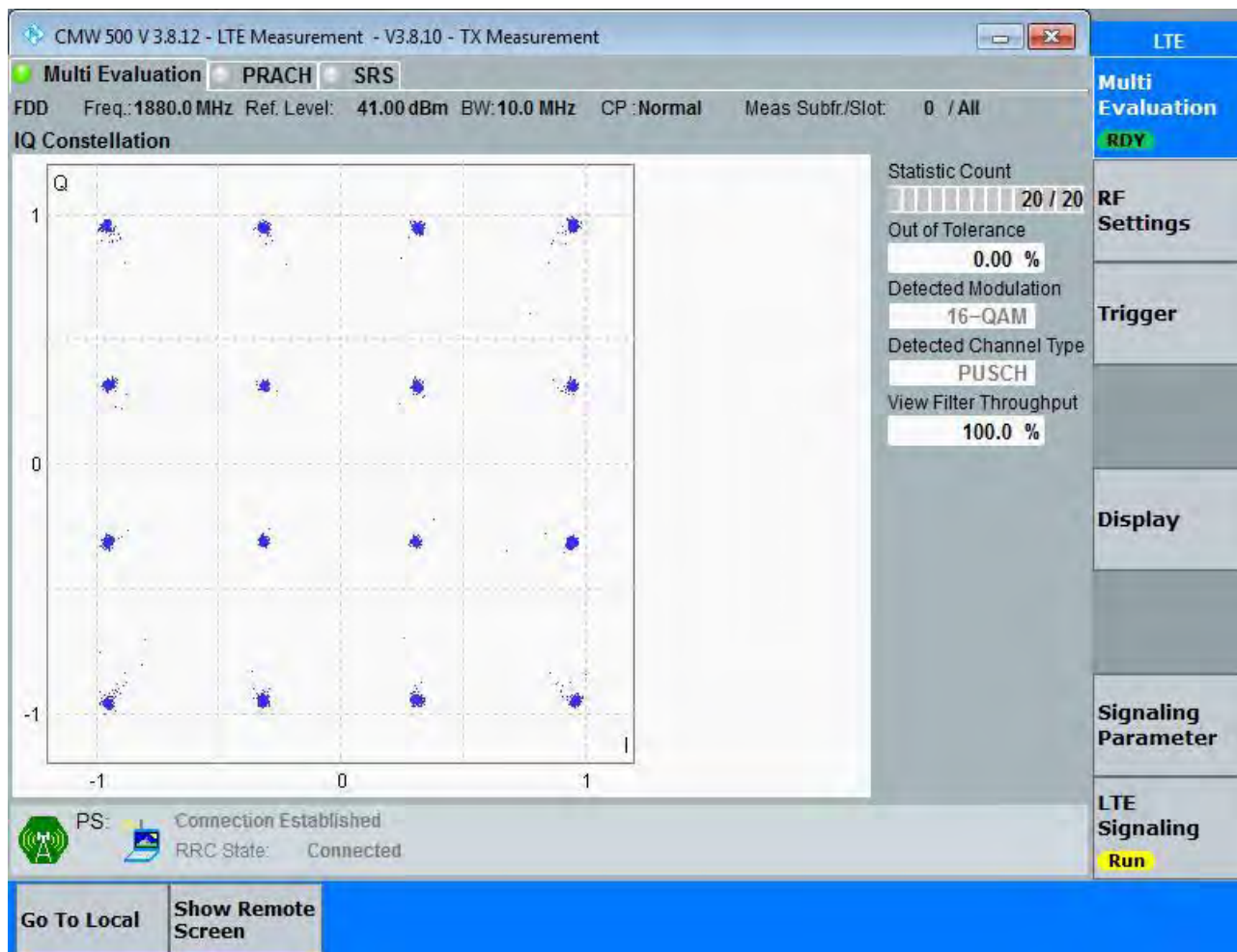
3.1.1.2.3.1.1 Test RB = RB25#0



3.1.1.2.4 Test Bandwidth = 10

3.1.1.2.4.1 Test Channel = MCH

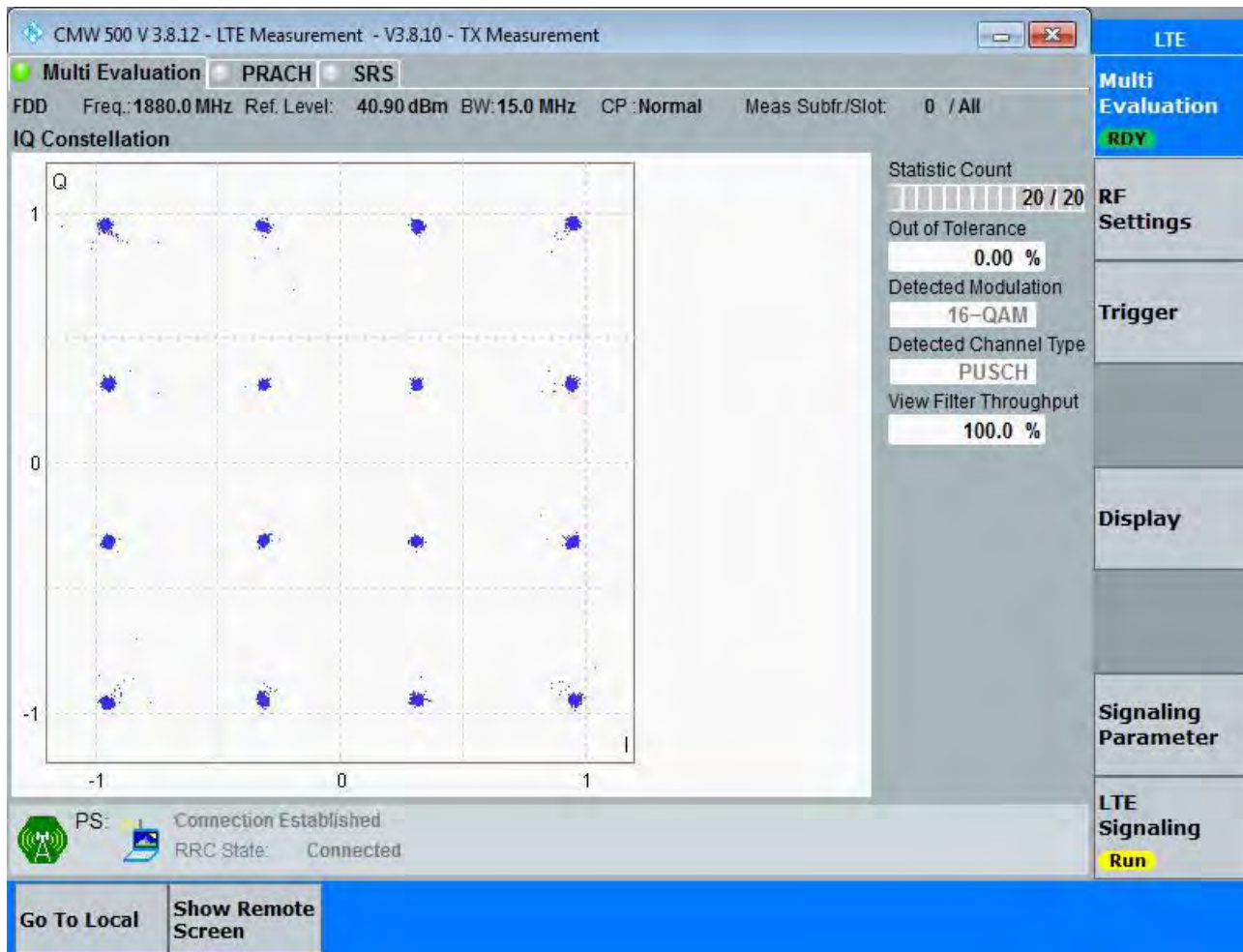
3.1.1.2.4.1.1 Test RB = RB50#0



3.1.1.2.5 Test Bandwidth = 15

3.1.1.2.5.1 Test Channel = MCH

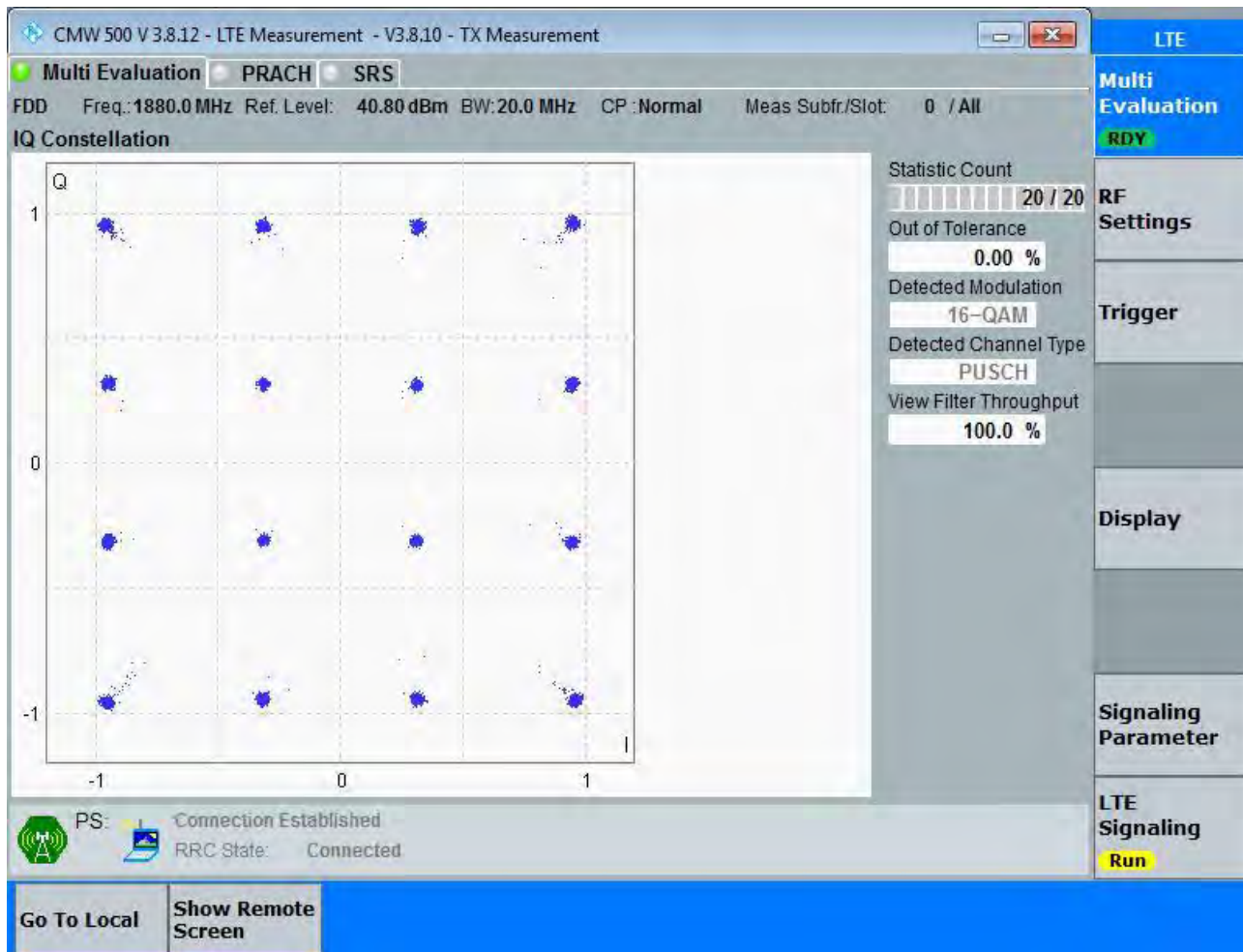
3.1.1.2.5.1.1 Test RB = RB75#0



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	1.09	1.23	Pass
			MCH	RB6#0	1.08	1.24	Pass
			HCH	RB6#0	1.10	1.24	Pass
		3	LCH	RB15#0	2.71	3.00	Pass
			MCH	RB15#0	2.70	3.04	Pass
			HCH	RB15#0	2.70	3.01	Pass
		5	LCH	RB25#0	4.51	5.00	Pass
			MCH	RB25#0	4.54	5.00	Pass
			HCH	RB25#0	4.52	4.96	Pass
		10	LCH	RB50#0	8.98	9.85	Pass
			MCH	RB50#0	9.00	9.91	Pass
			HCH	RB50#0	9.01	9.83	Pass
		15	LCH	RB75#0	13.45	14.60	Pass
			MCH	RB75#0	13.49	14.62	Pass
			HCH	RB75#0	13.44	14.63	Pass
		20	LCH	RB100#0	17.96	19.36	Pass
			MCH	RB100#0	18.00	19.49	Pass
			HCH	RB100#0	17.92	19.35	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	2.70	3.02	Pass
			MCH	RB15#0	2.71	3.03	Pass
			HCH	RB15#0	2.70	3.03	Pass
		5	LCH	RB25#0	4.51	4.96	Pass
			MCH	RB25#0	4.52	5.01	Pass
			HCH	RB25#0	4.51	4.96	Pass
		10	LCH	RB50#0	8.99	9.82	Pass
			MCH	RB50#0	9.01	9.83	Pass
			HCH	RB50#0	9.01	9.81	Pass
		15	LCH	RB75#0	13.50	14.59	Pass
			MCH	RB75#0	13.50	14.58	Pass
			HCH	RB75#0	13.45	14.67	Pass
		20	LCH	RB100#0	17.92	18.98	Pass
			MCH	RB100#0	17.98	19.42	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
			HCH	RB100#0	17.87	18.80	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

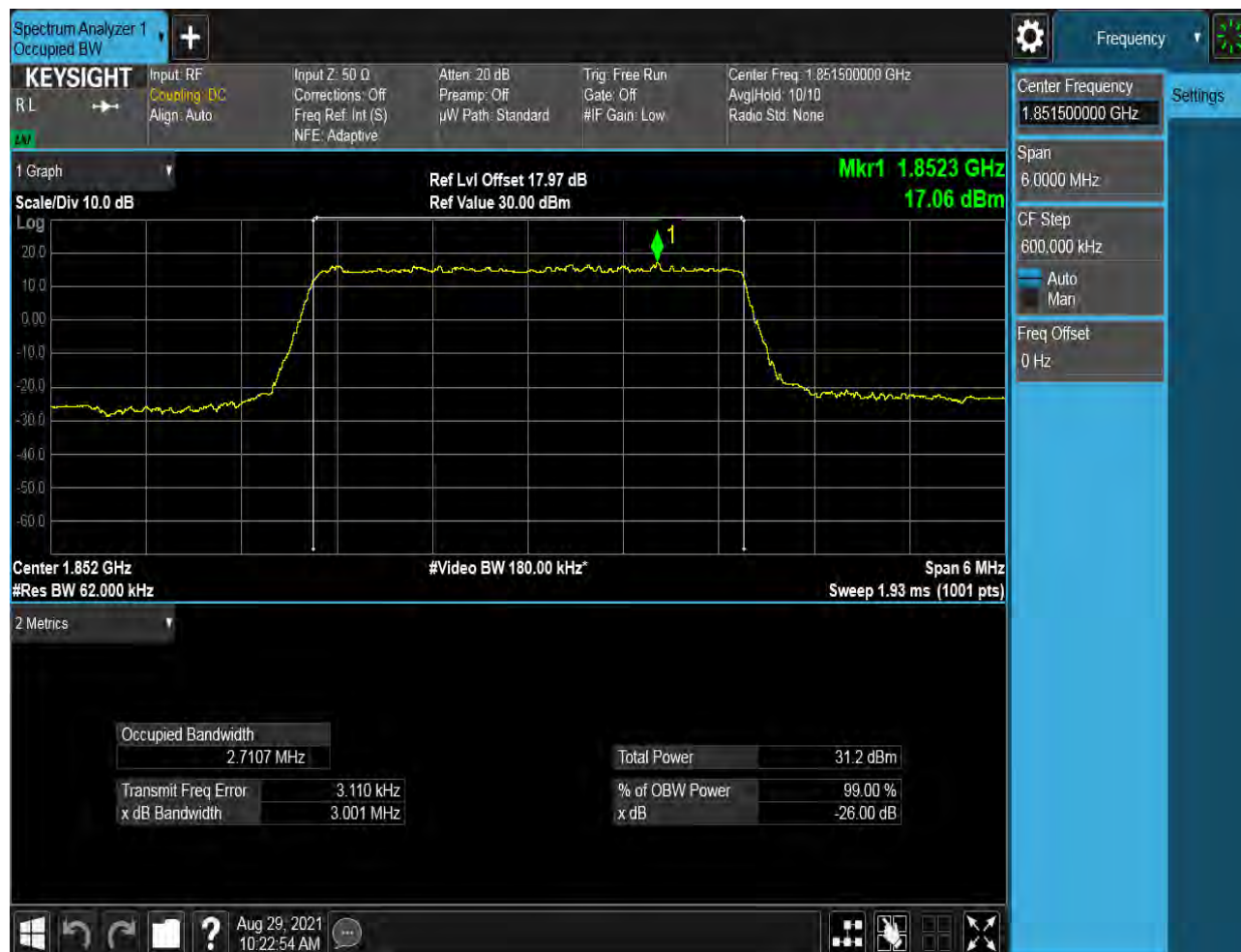
4.1.1.1.1.3.1 Test RB = RB6#0



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



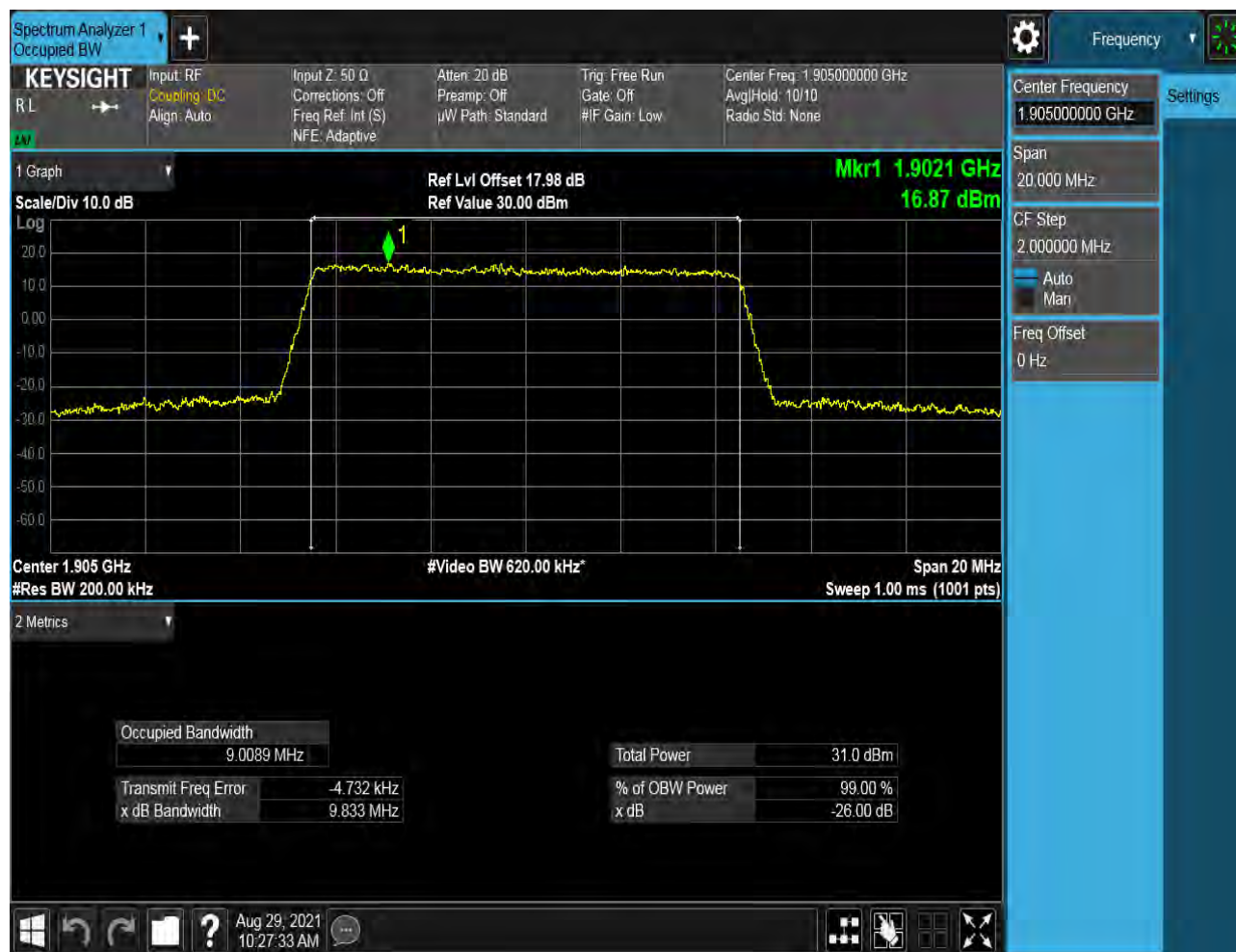
4.1.1.1.4.2 Test Channel = MCH

4.1.1.1.4.2.1 Test RB = RB50#0



4.1.1.1.4.3 Test Channel = HCH

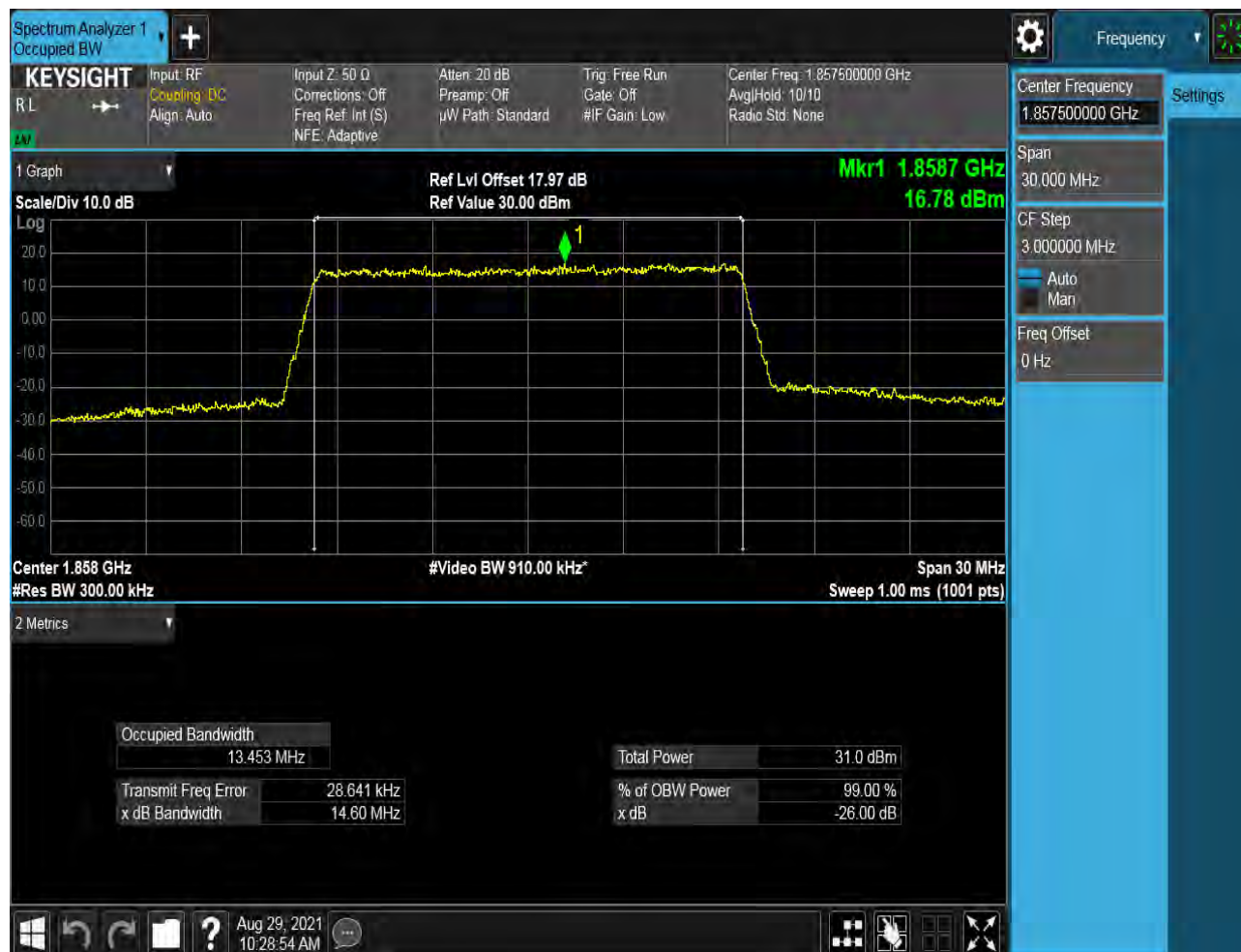
4.1.1.1.4.3.1 Test RB = RB50#0



4.1.1.1.5 Test Bandwidth = 15

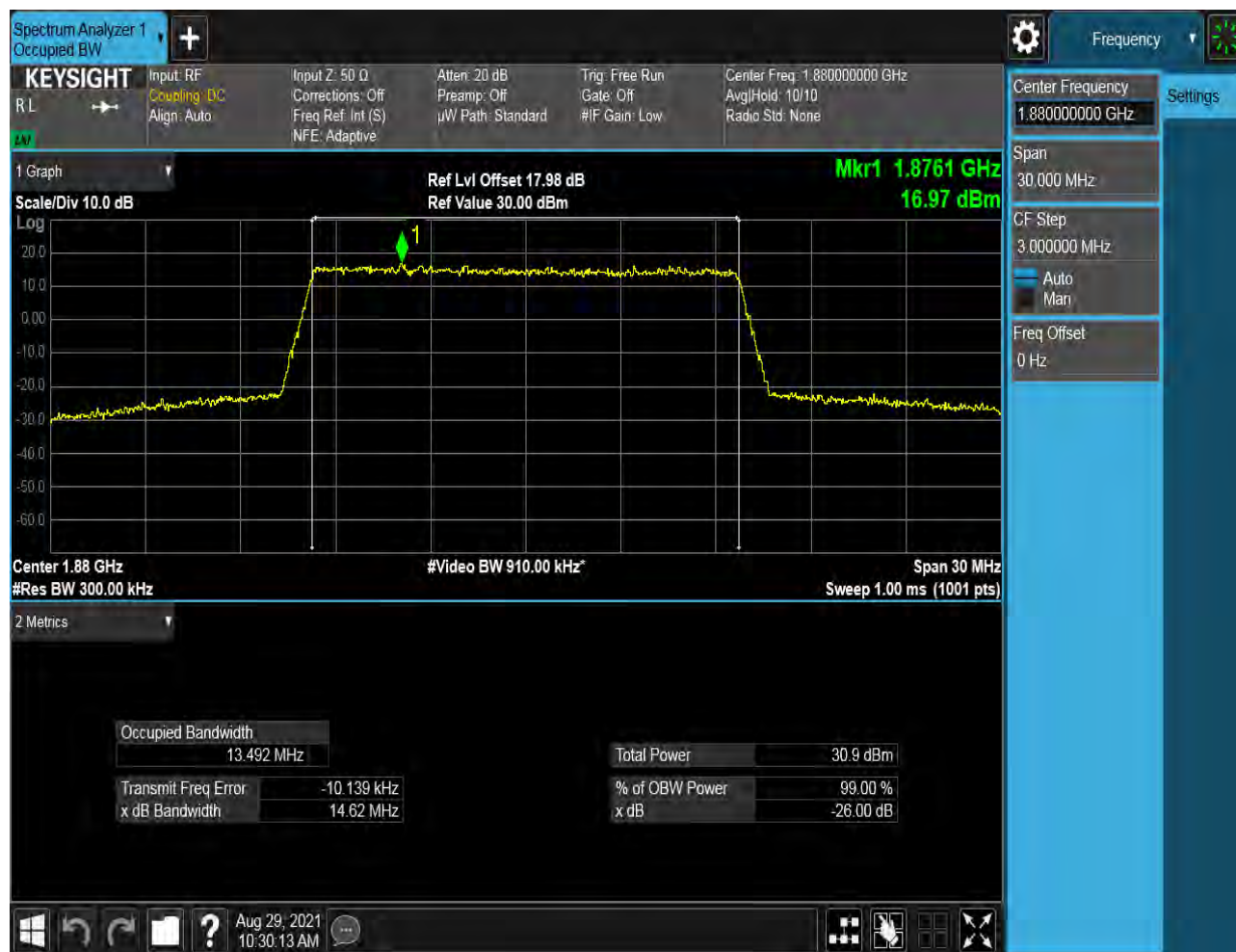
4.1.1.1.5.1 Test Channel = LCH

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

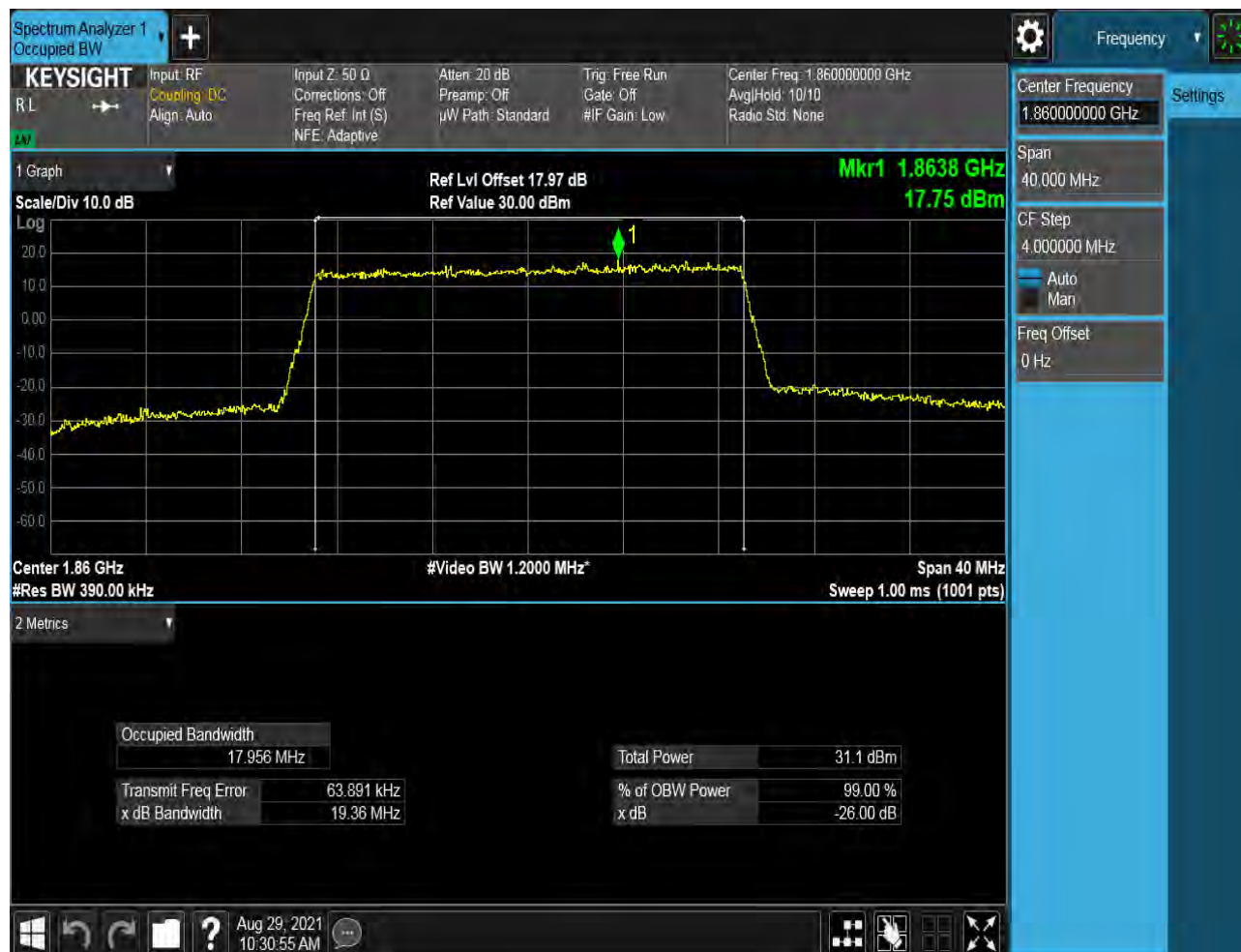
4.1.1.1.5.3.1 Test RB = RB75#0



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



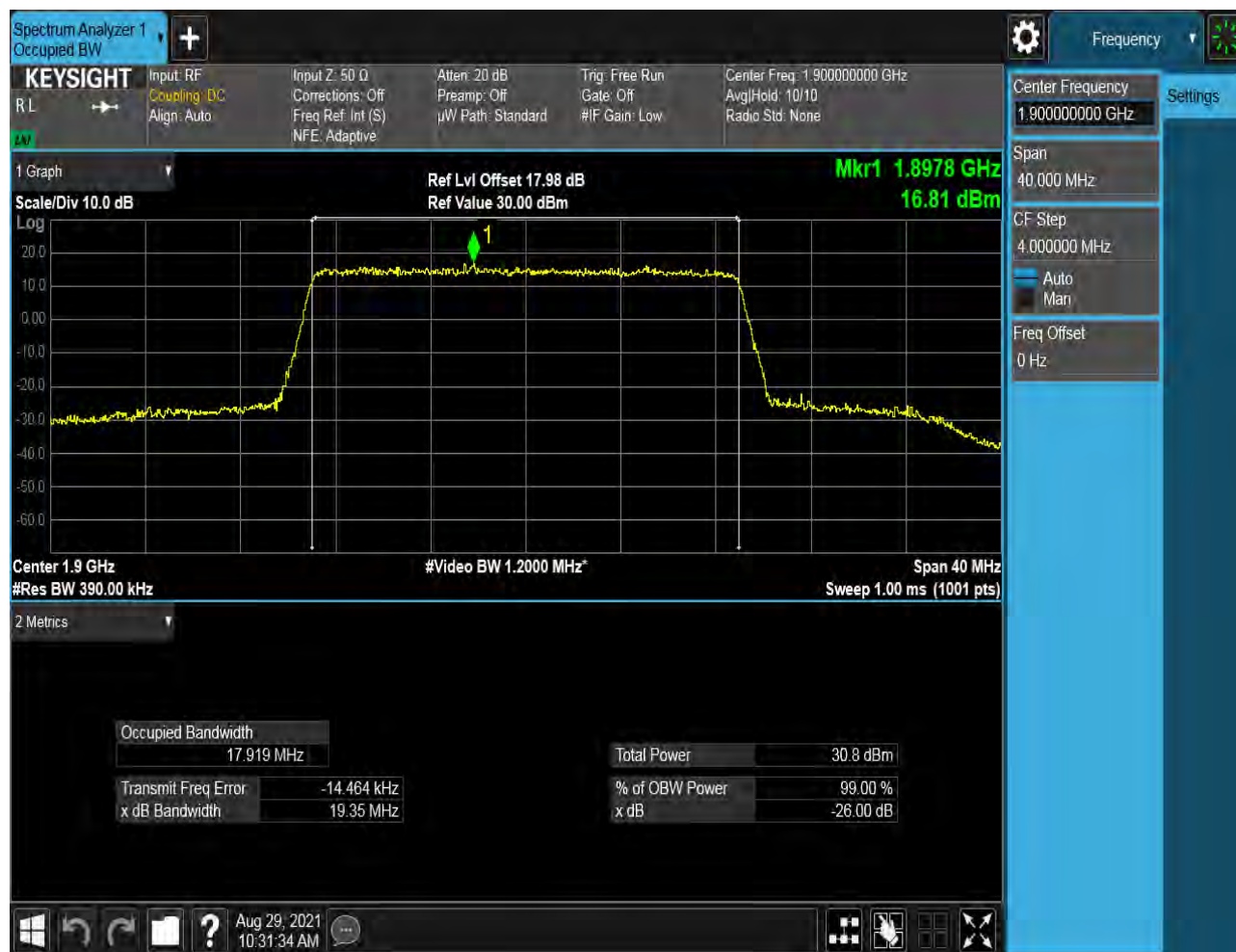
4.1.1.1.6.2 Test Channel = MCH

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

4.1.1.2.2.2.1 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

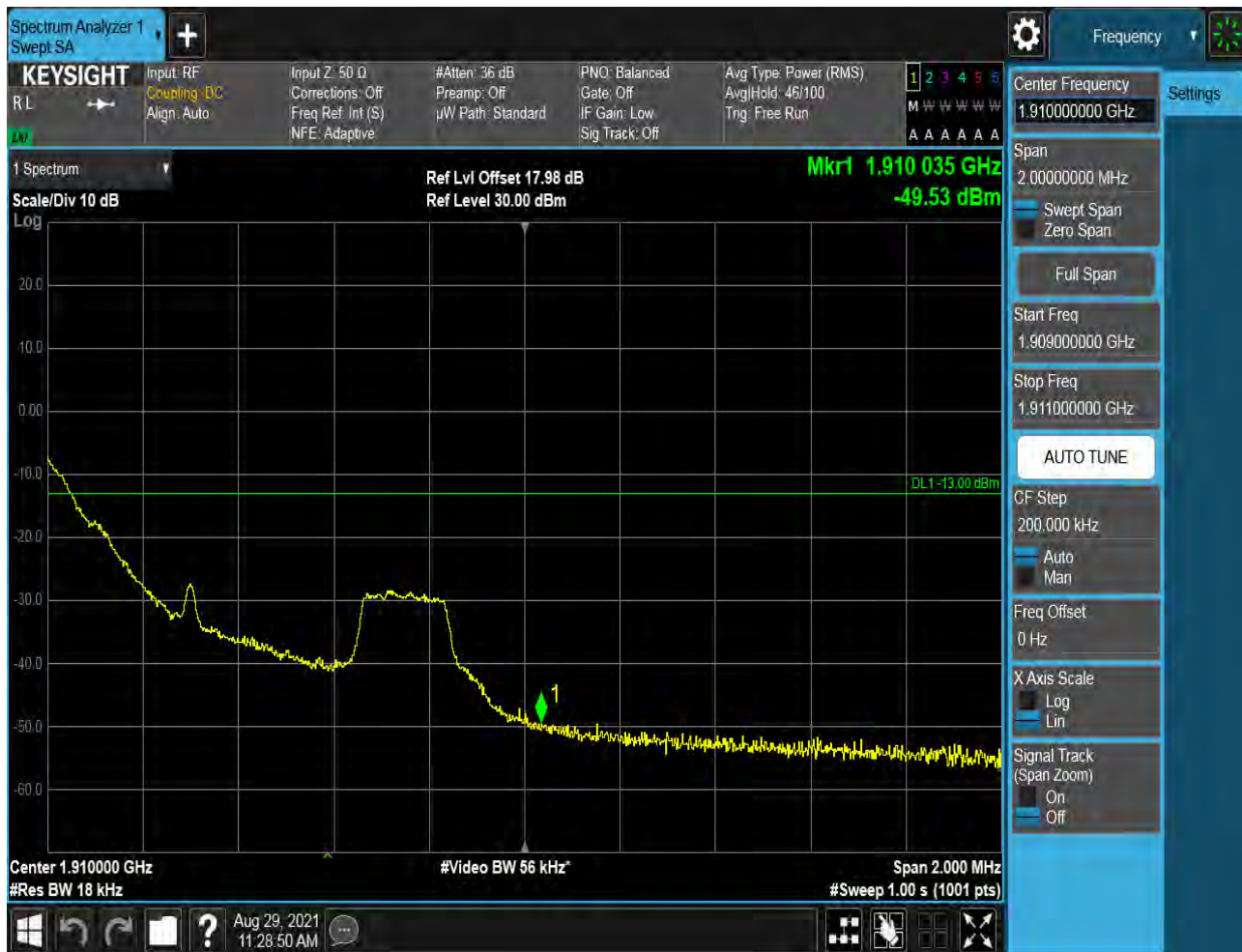


5.1.1.1.1.4 Test RB = RB6#0



5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0



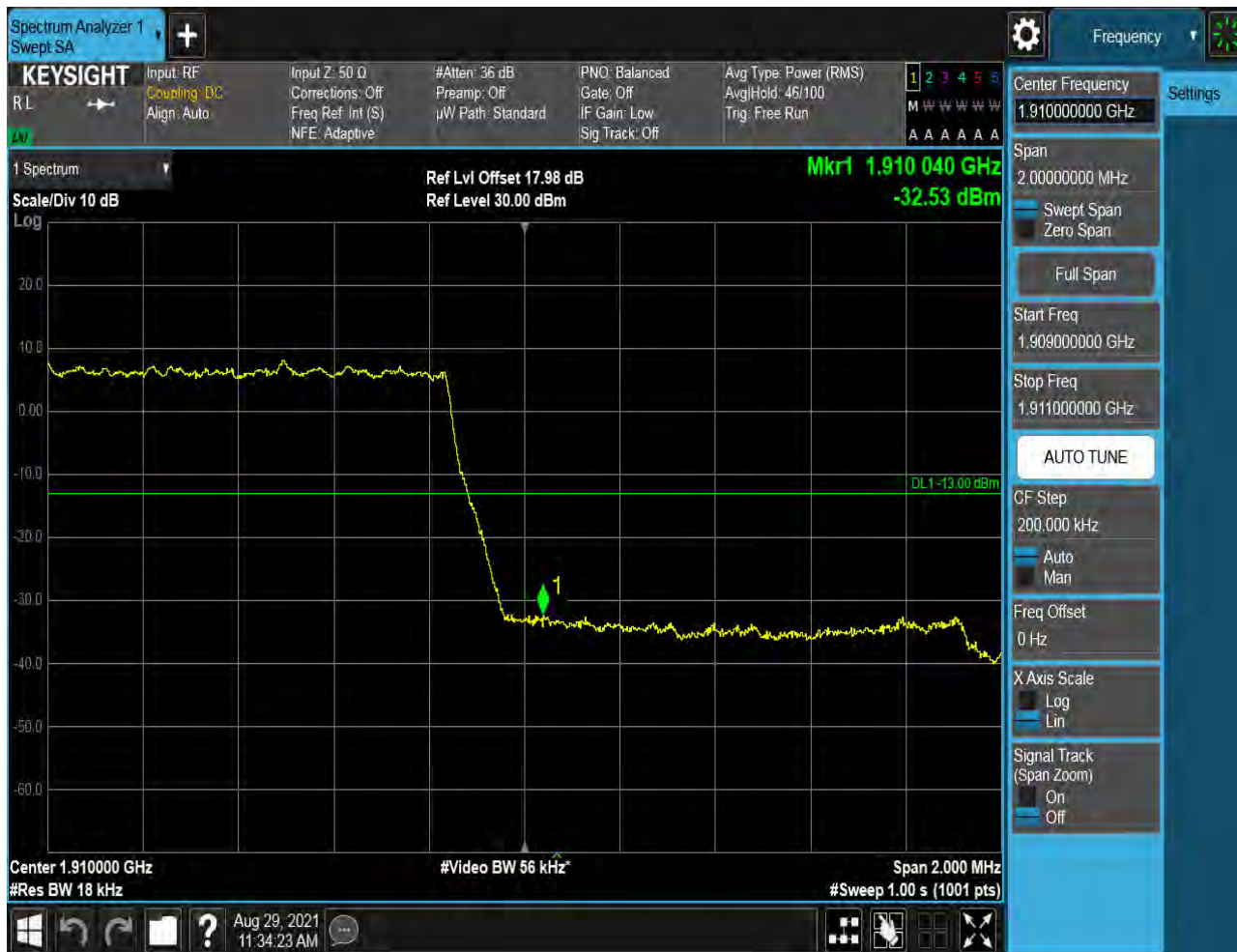
5.1.1.1.2.2 Test RB = RB1#5



5.1.1.1.1.2.3 Test RB = RB3#2



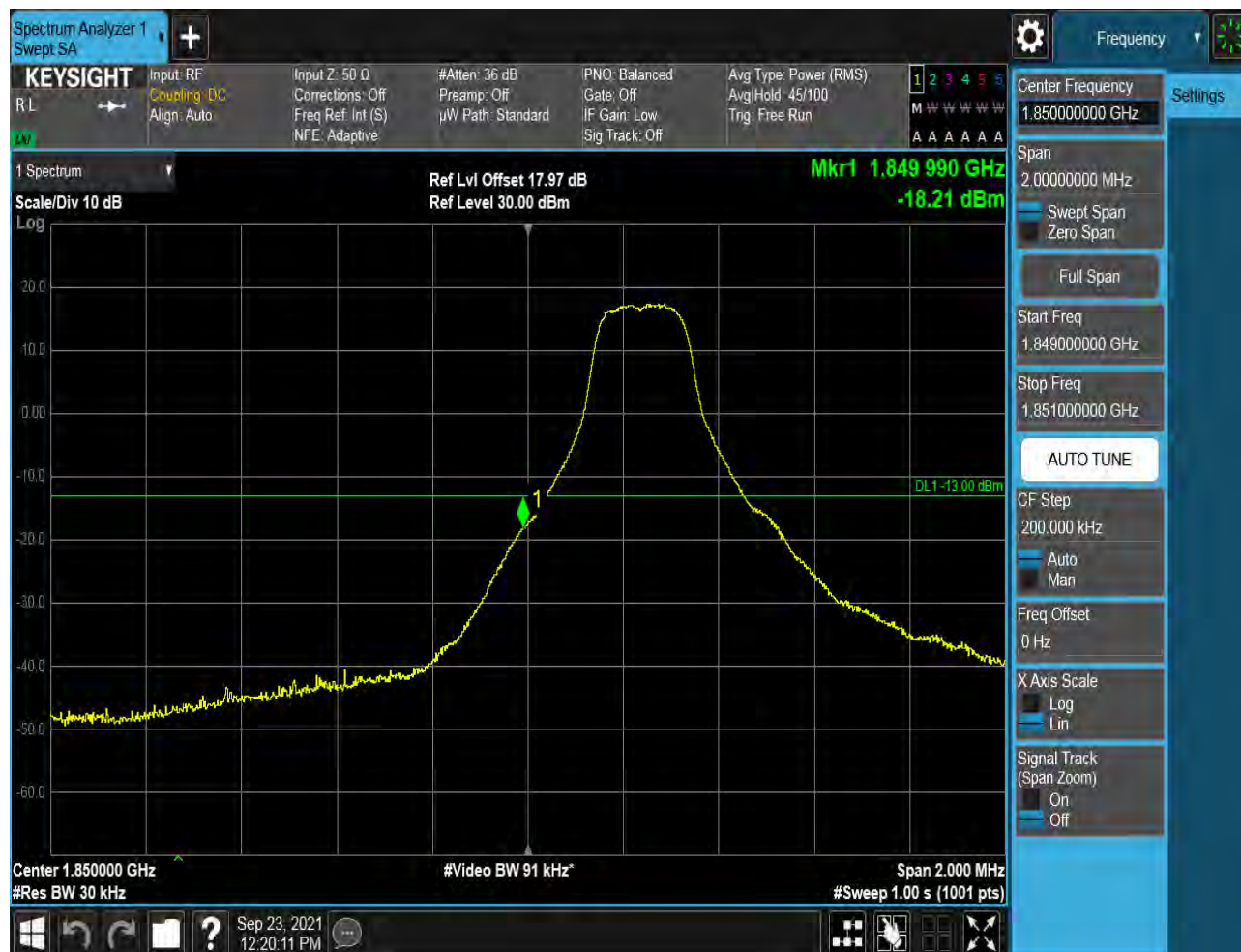
5.1.1.1.2.4 Test RB = RB6#0



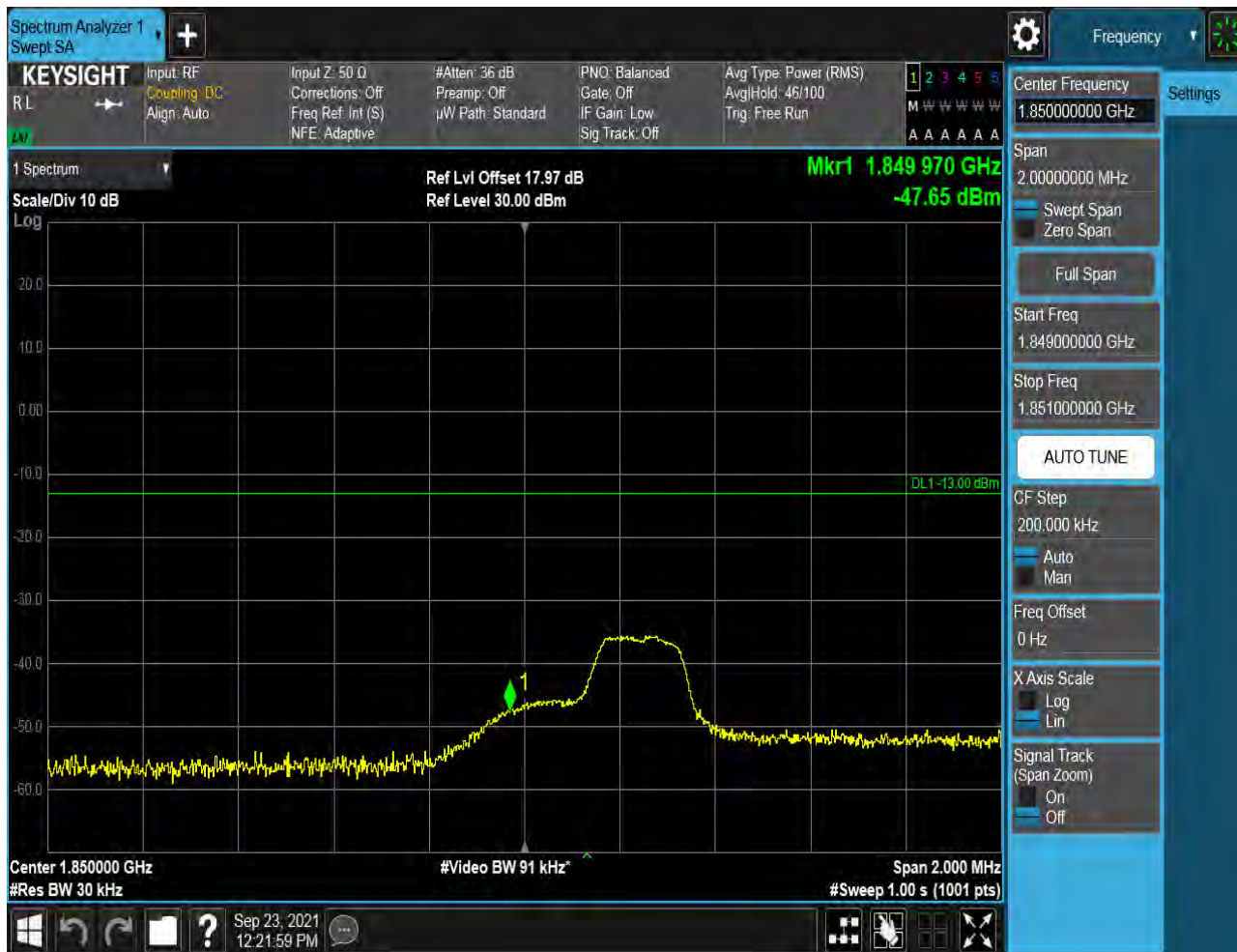
5.1.1.1.2 Test Bandwidth = 3

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

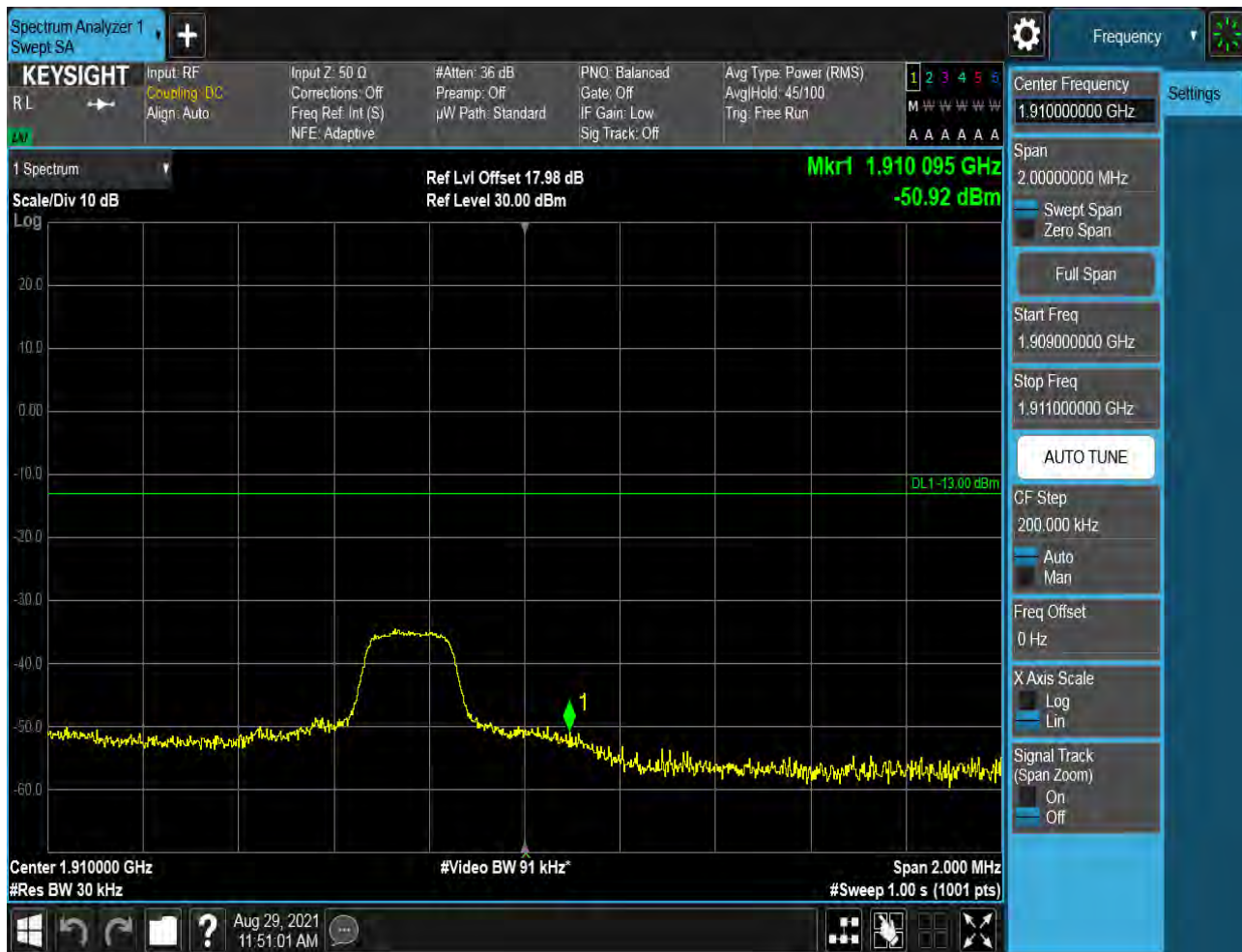


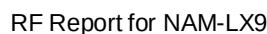
5.1.1.1.2.1.4 Test RB = RB15#0



5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





Keysight Spectrum Analyzer 1
Swept SA

KEYSIGHT
R L →

Input: RF
Coupling: DC
Align: Auto

Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
NFE: Adaptive

#Atten: 36 dB
Preamp: Off
μW Path: Standard

PNO: Balanced
Gate: Off
IF Gain: Low
Sig Track: Off

Avg Type: Power (RMS)
Avg/Hold: 45/100
Trig: Free Run

1 2 3 4 5 6
M W W W W W
A A A A A A

Center Frequency
1.910000000 GHz

Span
2.000000000 MHz

Swept Span
Zero Span

Full Span

Start Freq
1.909000000 GHz

Stop Freq
1.911000000 GHz

AUTO TUNE

CF Step
200.000 kHz

Auto
Man

Freq Offset
0 Hz

X Axis Scale
Log
Lin

Signal Track
(Span Zoom)
On
Off

1 Spectrum
Ref Lvl Offset 17.98 dB
Ref Level 30.00 dBm

Scale/Div 10 dB
Log

Mkr1 1.910 000 GHz
-17.89 dBm

DL1 -13.00 dBm

Center 1.910000 GHz
#Res BW 30 kHz
#Video BW 91 kHz
Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Aug 29, 2021
11:52:50 AM

5.1.1.1.2.2.3 Test RB = RB8#4



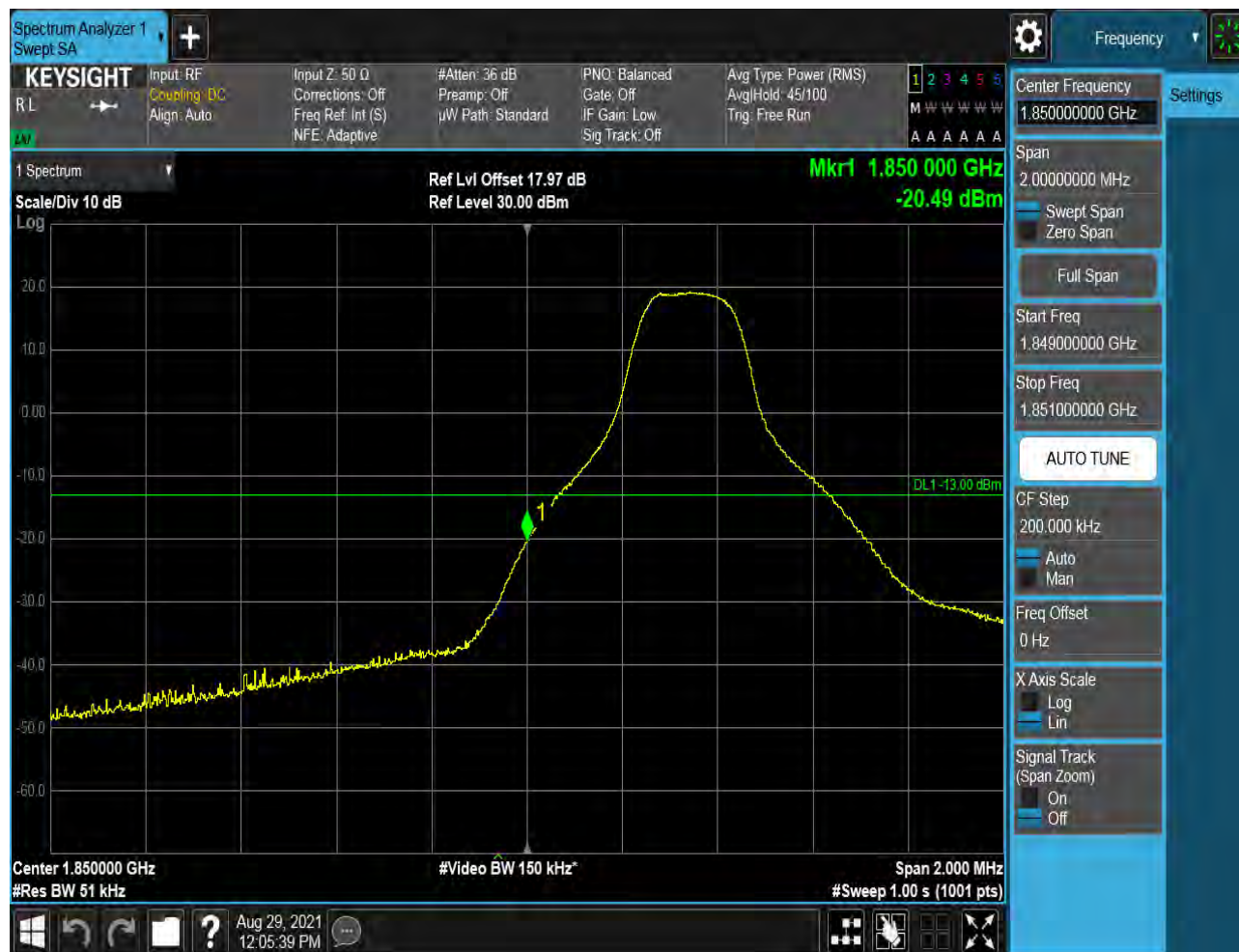
5.1.1.1.2.2.4 Test RB = RB15#0



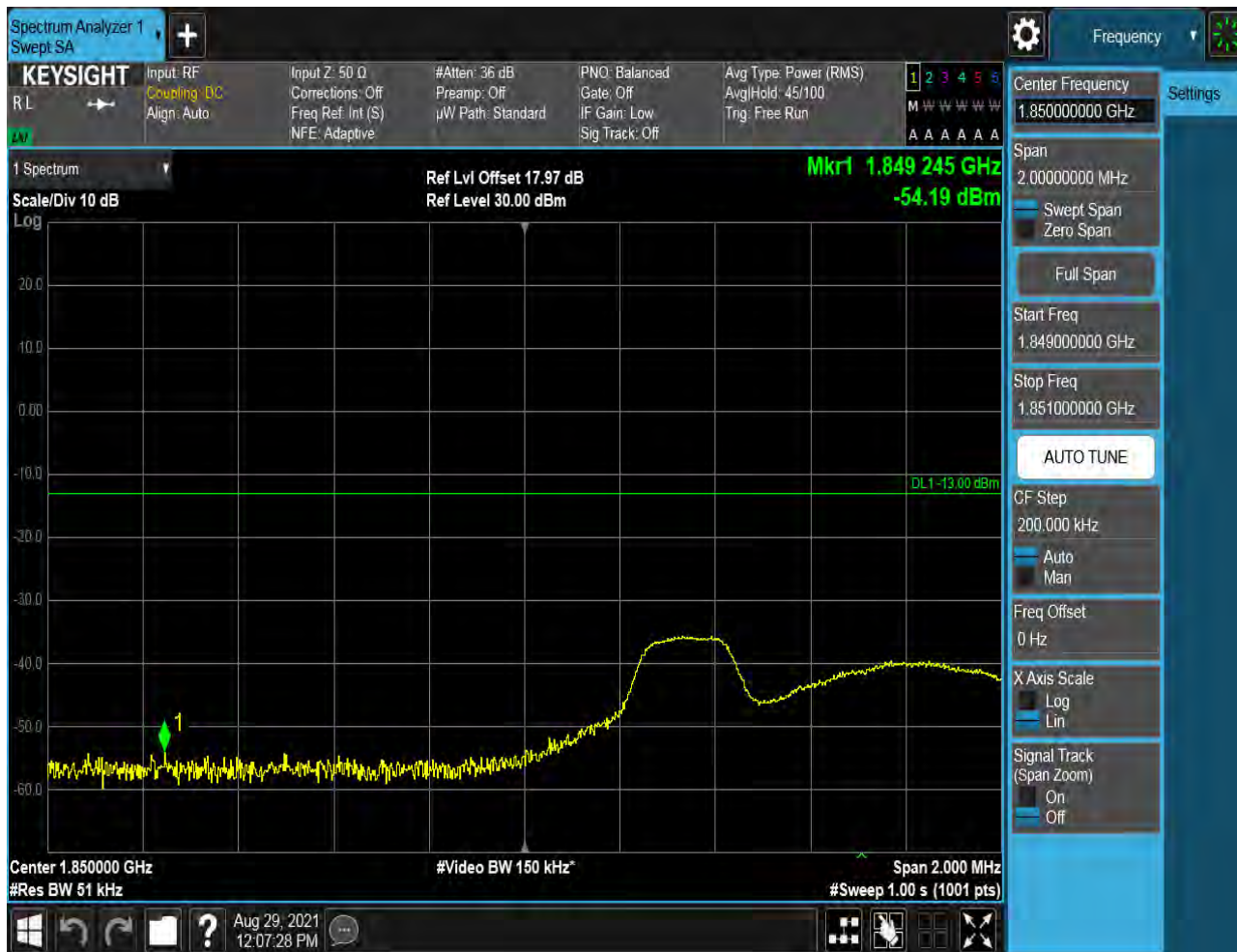
5.1.1.1.3 Test Bandwidth = 5

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

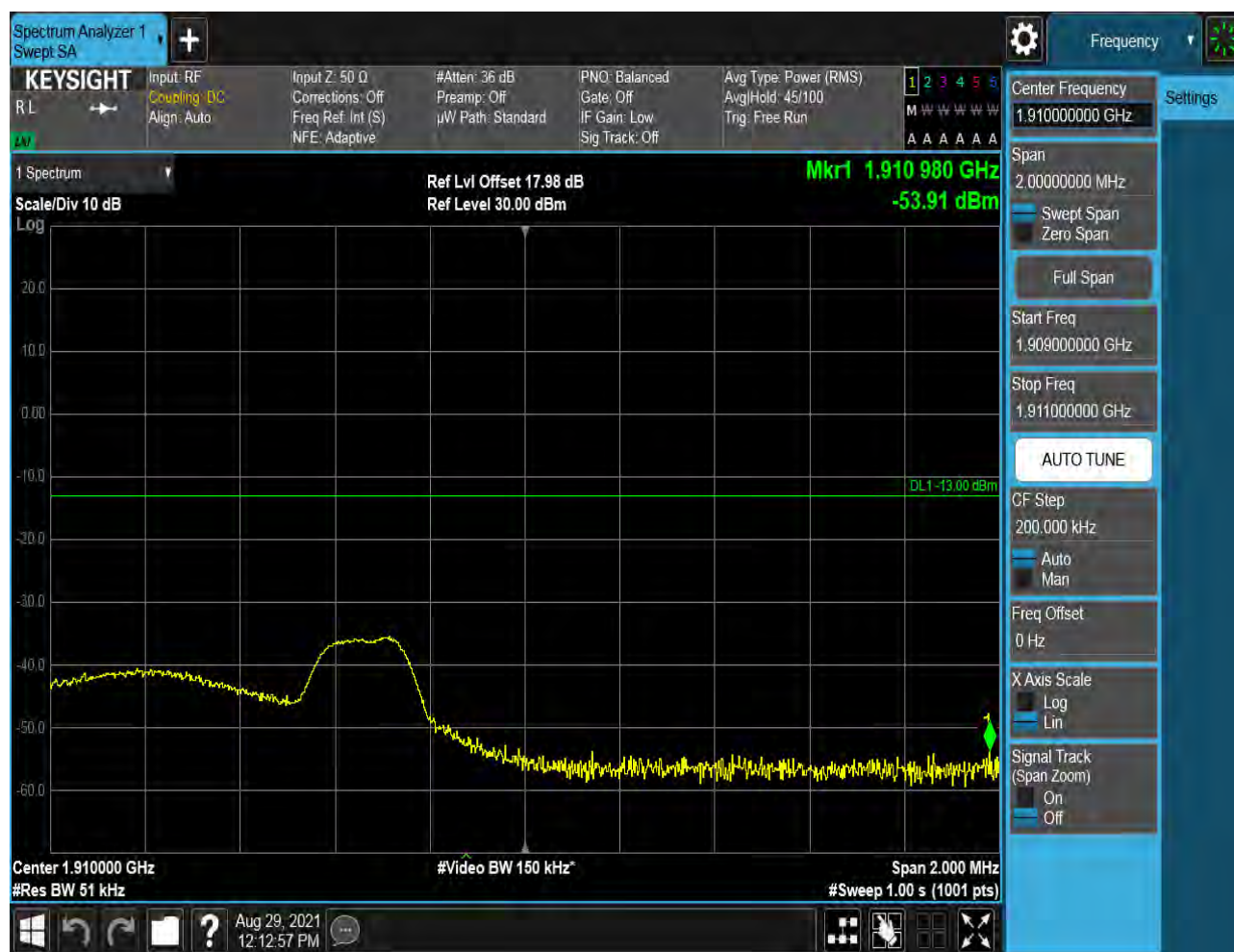


5.1.1.1.3.1.4 Test RB = RB25#0

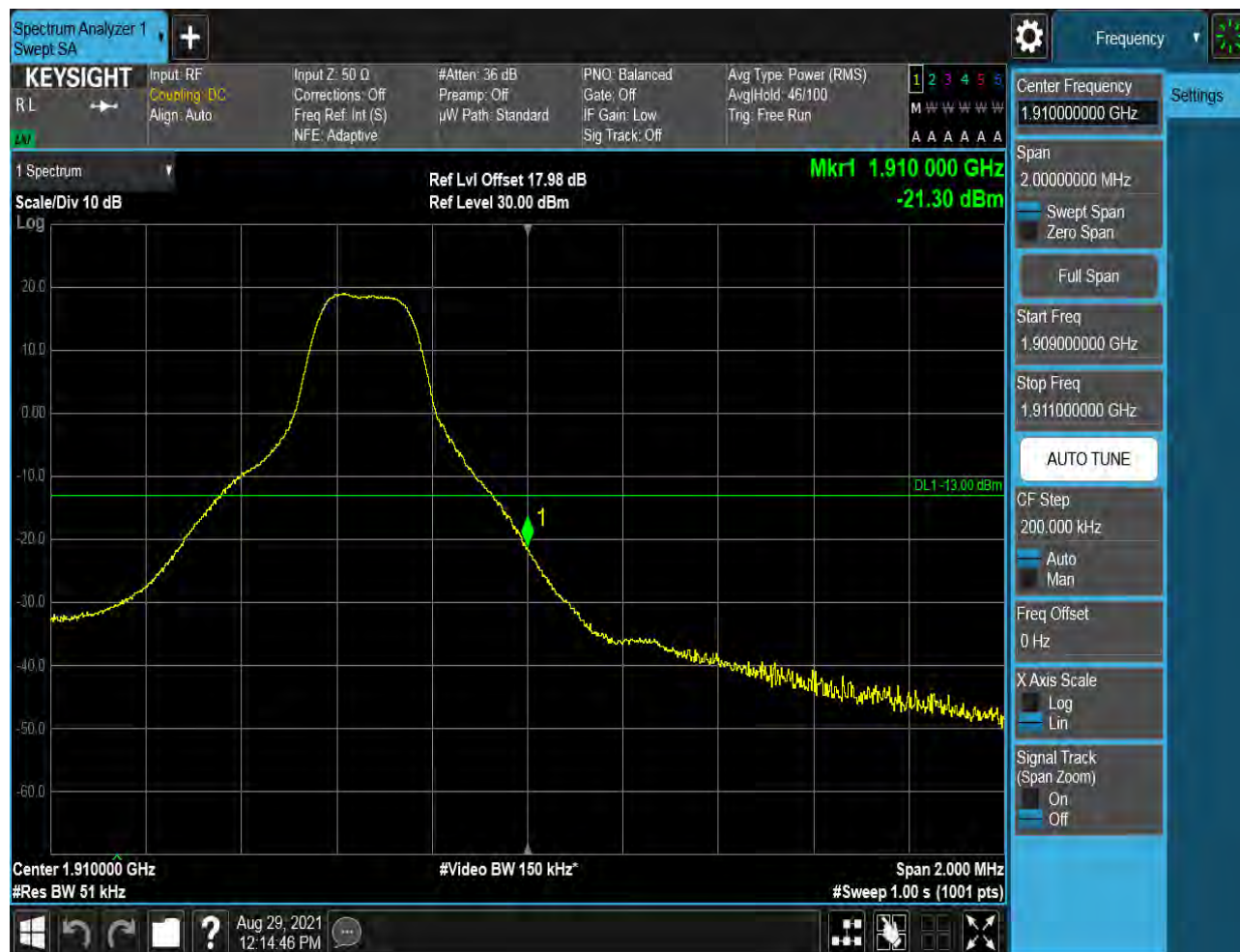


5.1.1.1.3.2 Test Channel = HCH

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



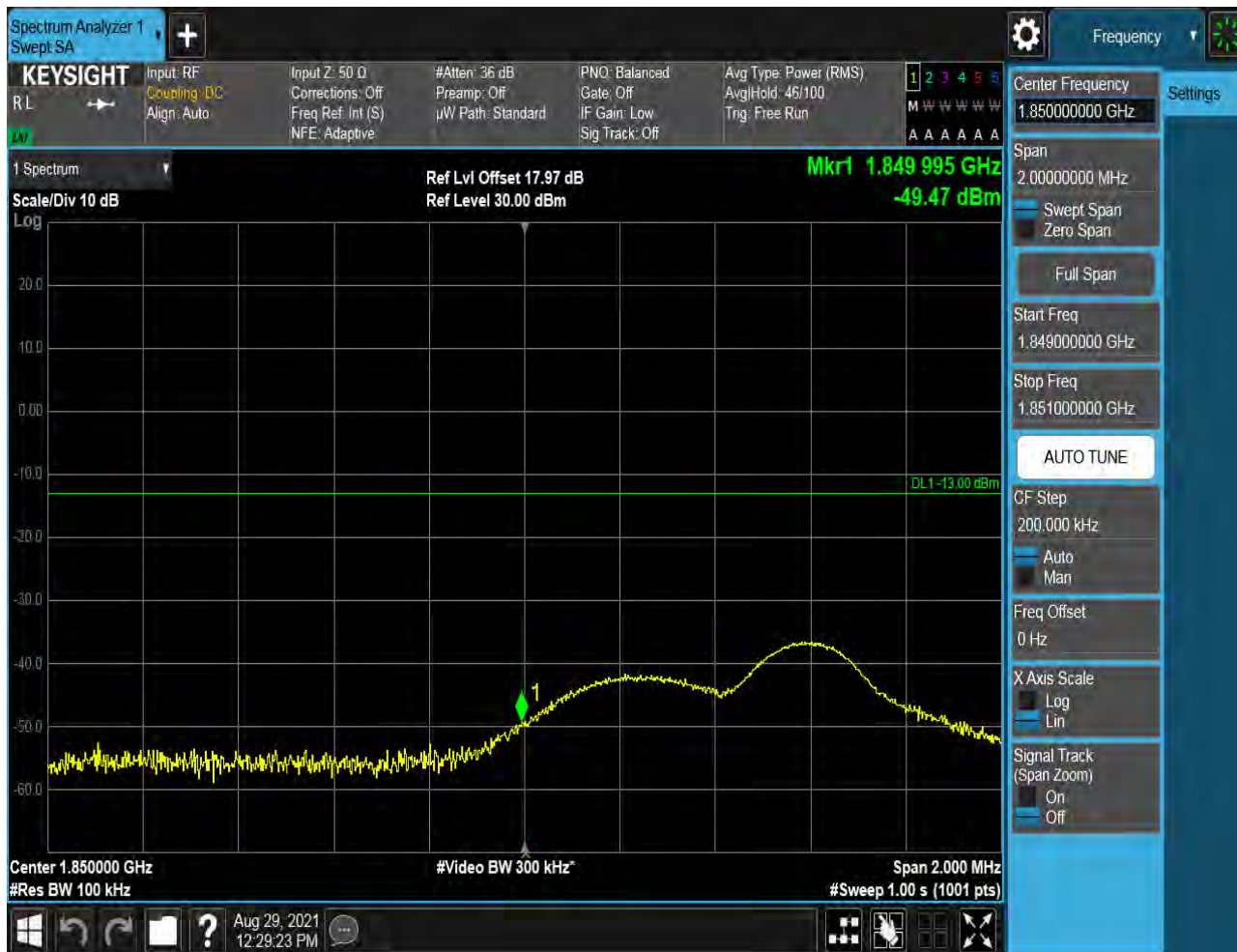
5.1.1.1.4 Test Bandwidth = 10

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

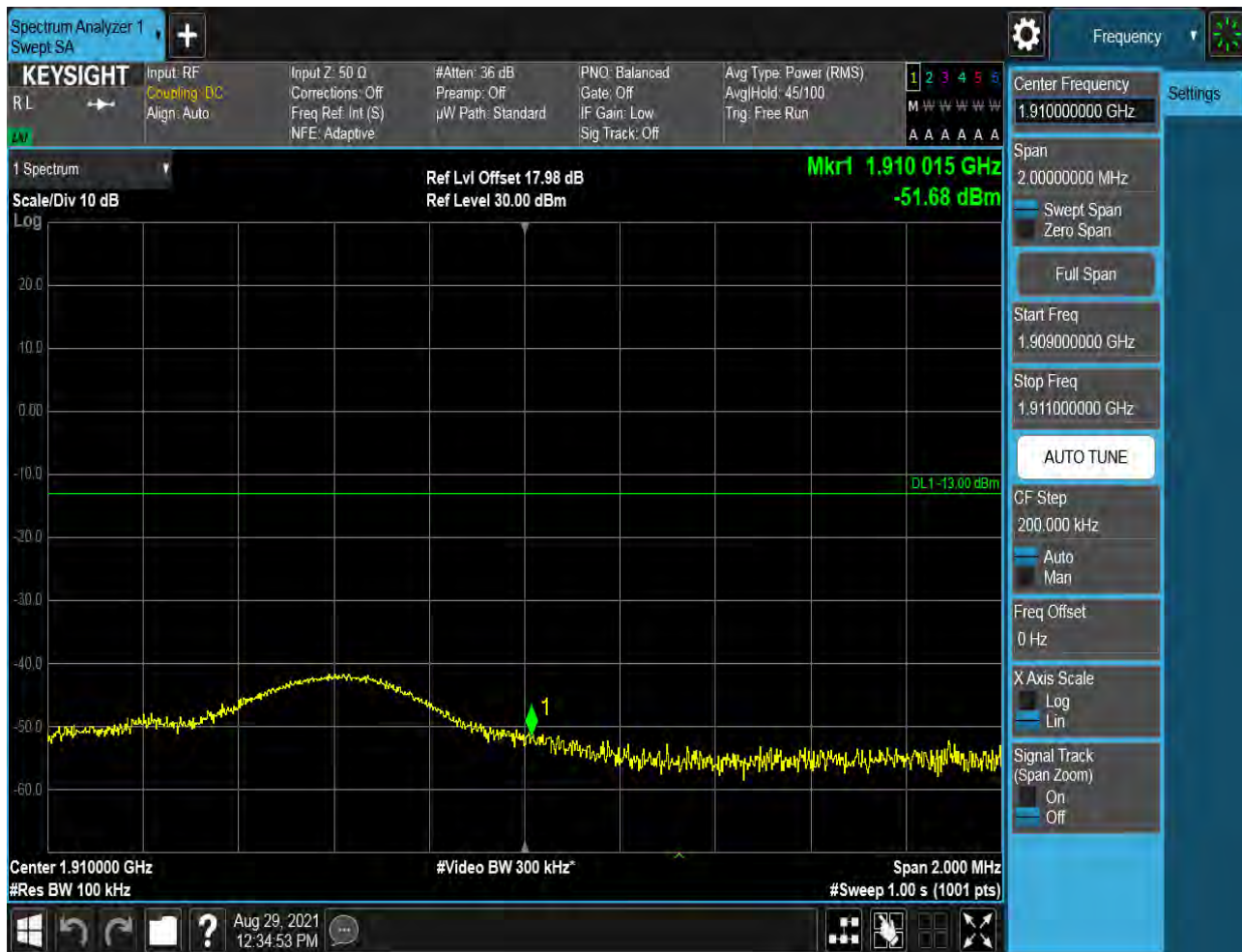


5.1.1.1.4.1.4 Test RB = RB50#0



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



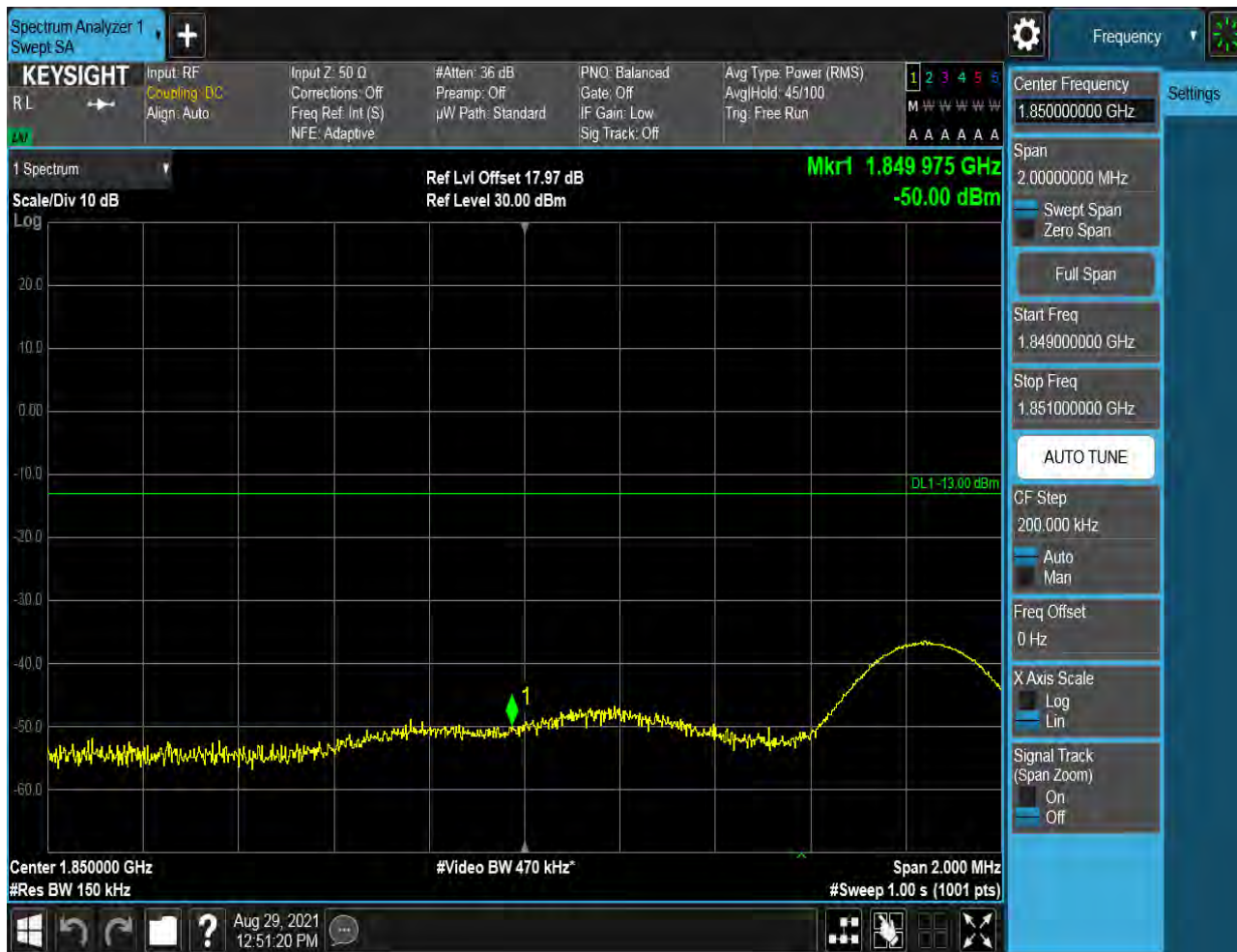
5.1.1.1.5 Test Bandwidth = 15

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

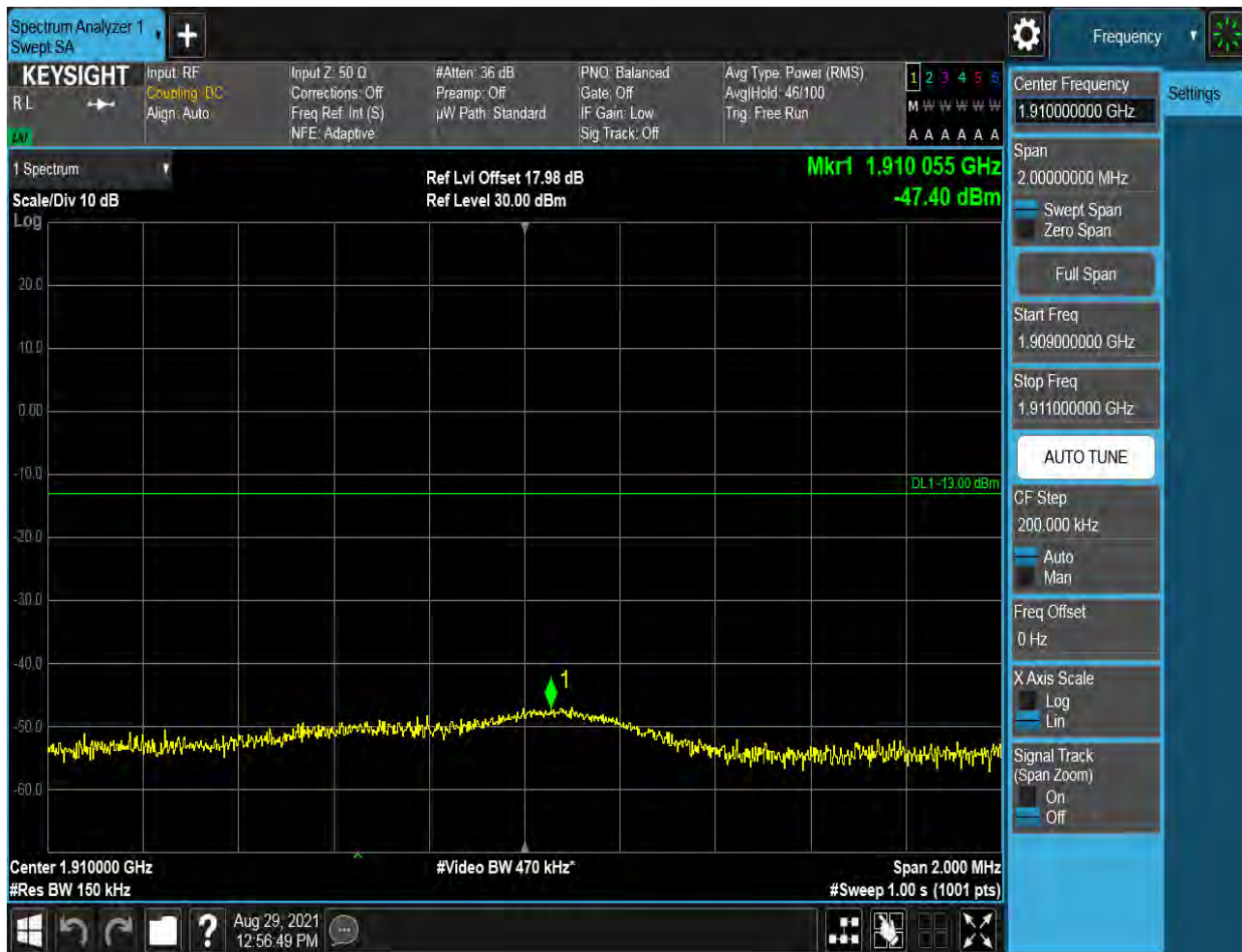


5.1.1.1.5.1.4 Test RB = RB75#0



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



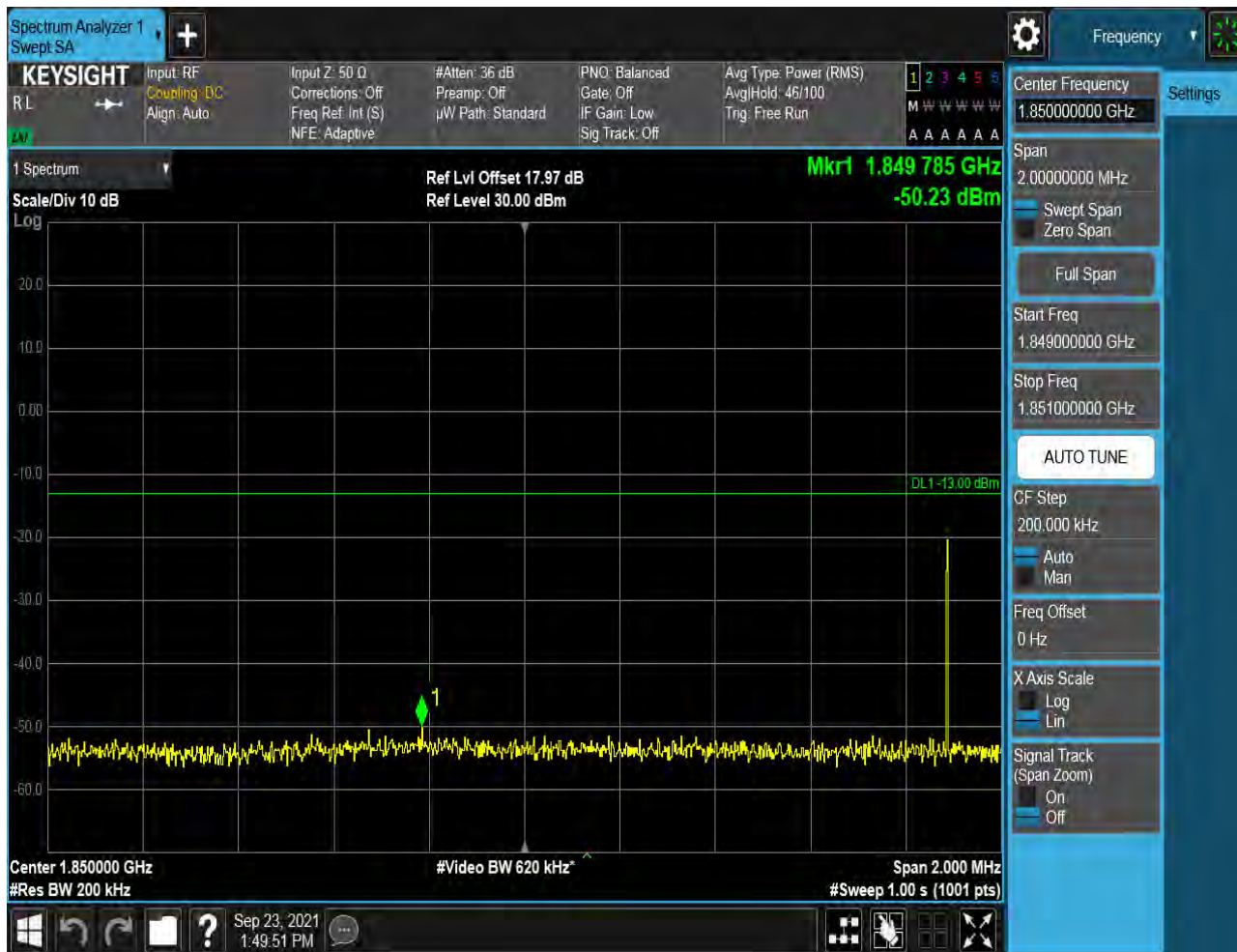
5.1.1.1.6 Test Bandwidth = 20

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

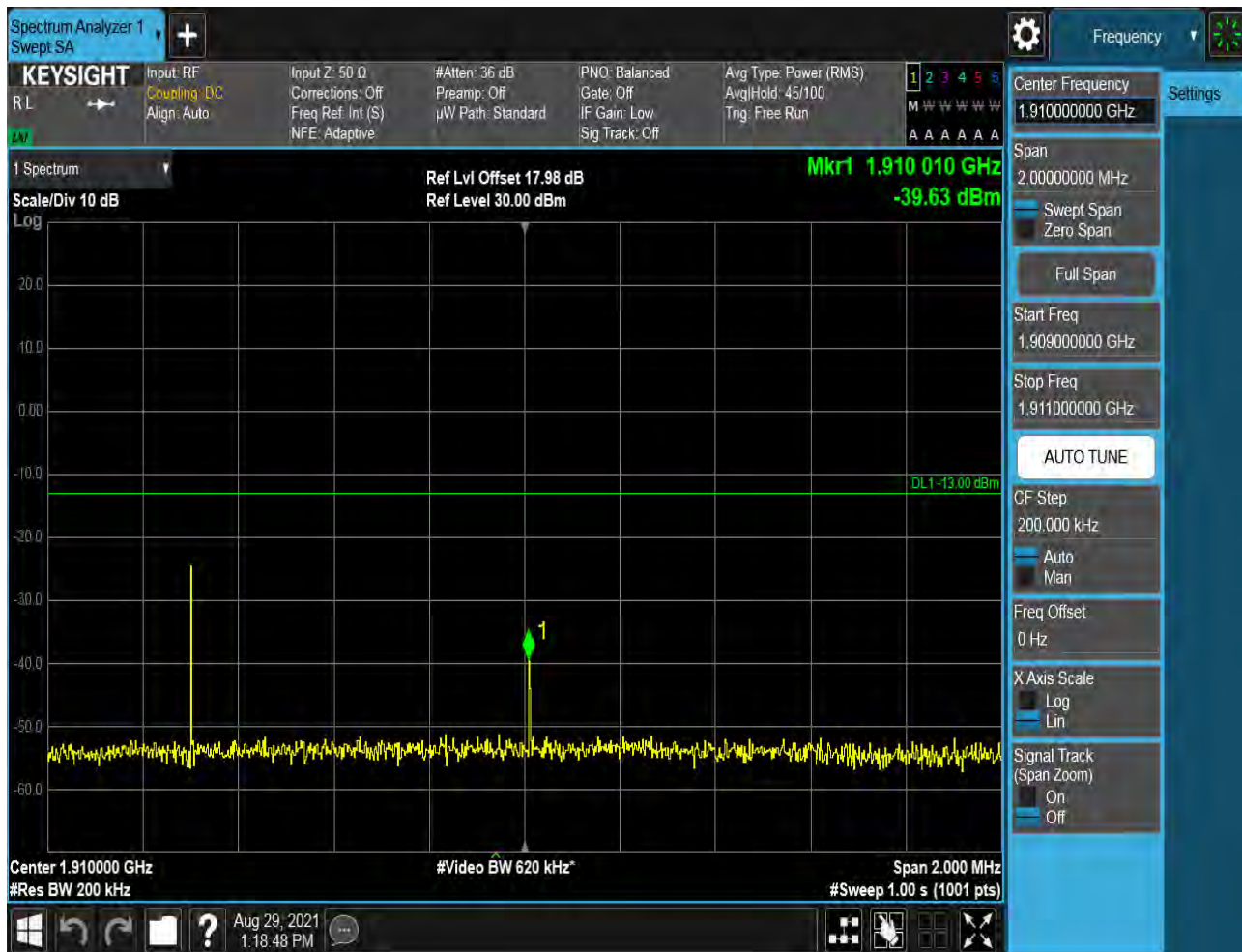


5.1.1.1.6.1.4 Test RB = RB100#0



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

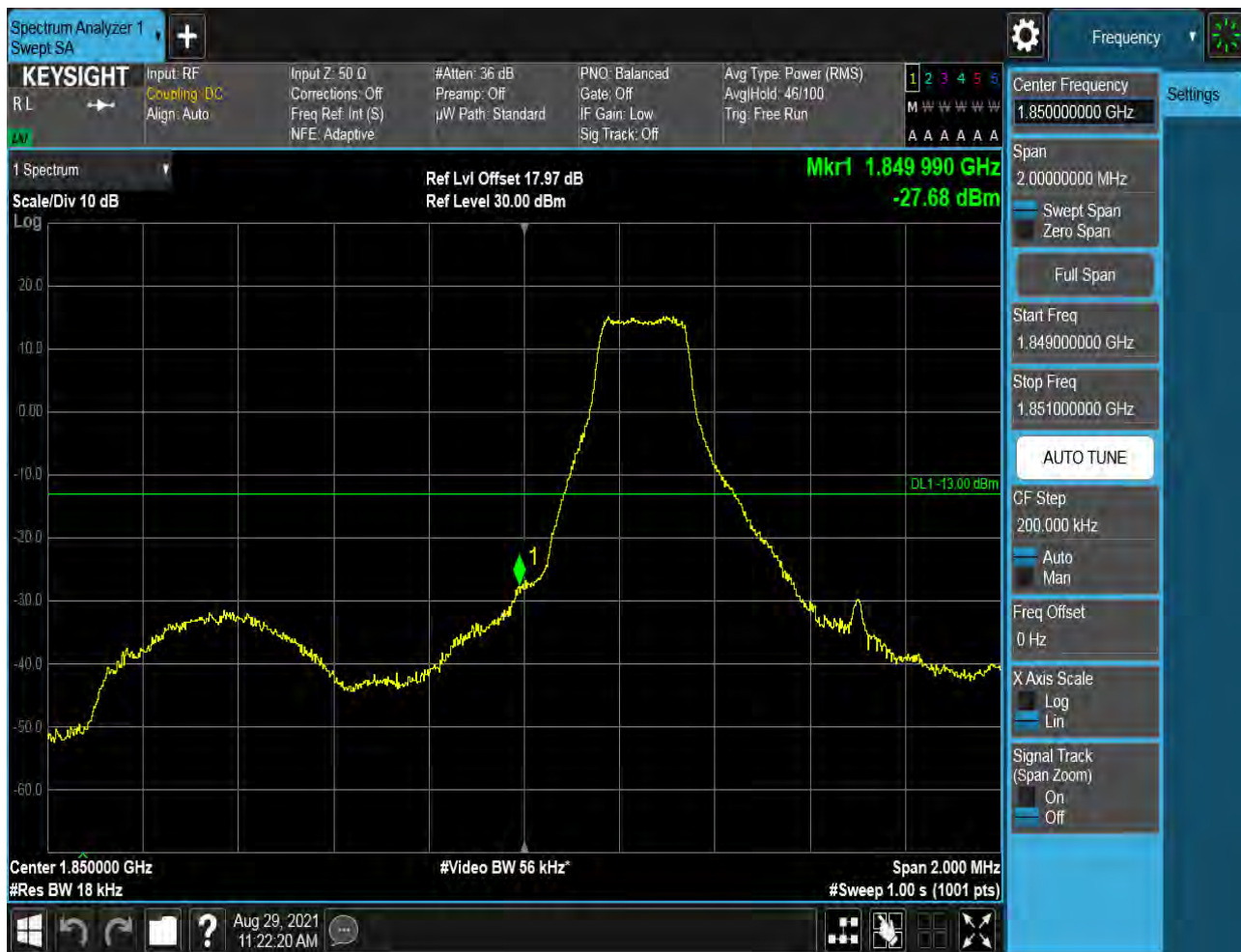


5.1.1.2 Test Mode = LTE/TM2

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

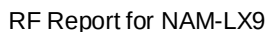


5.1.1.2.1.1.3 Test RB = RB3#2

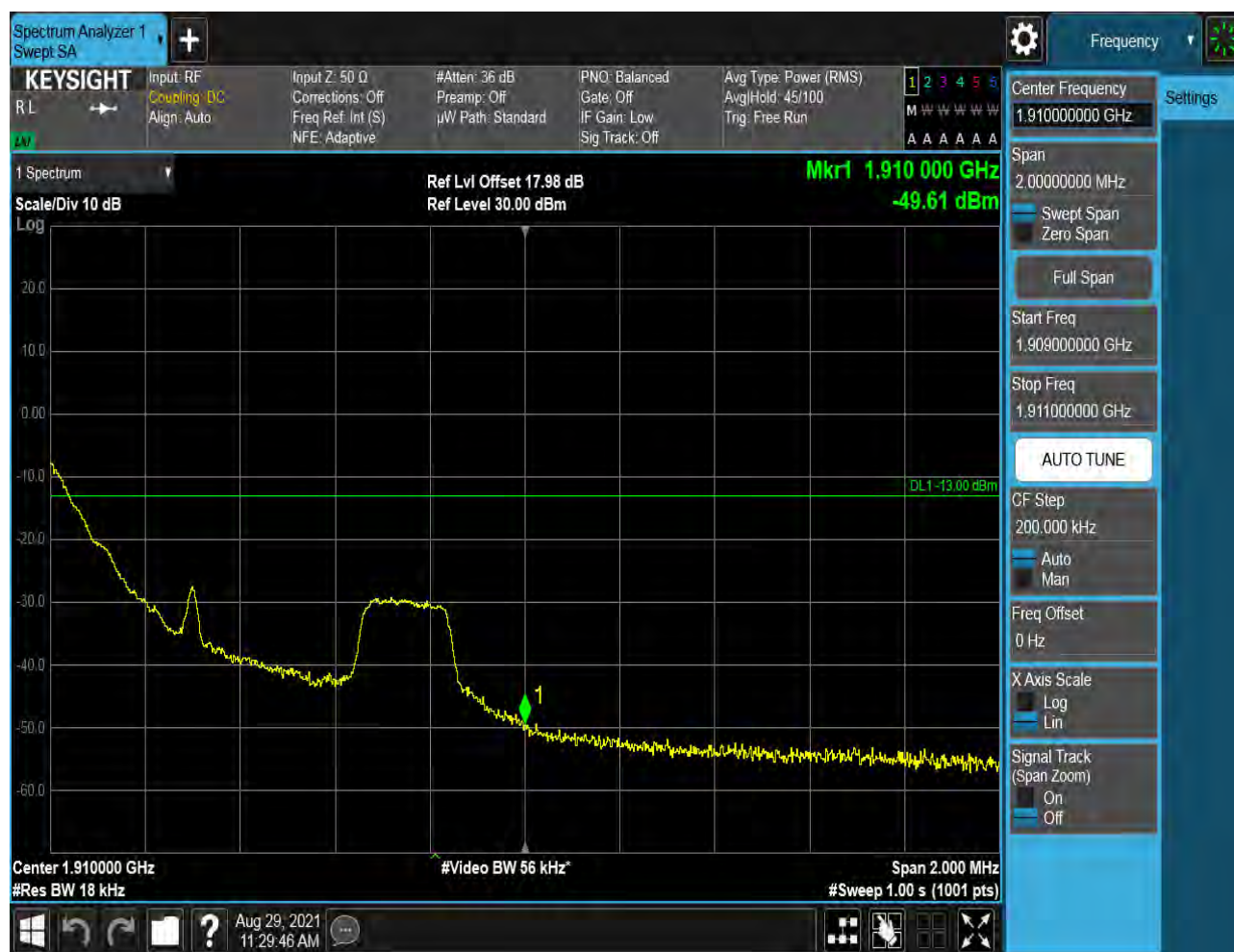


5.1.1.2.1.1.4 Test RB = RB6#0





5.1.1.2.1.2.1 Test RB = RB1#0



5.1.1.2.1.2.2 Test RB = RB1#5



5.1.1.2.1.2.3 Test RB = RB3#2



5.1.1.2.1.2.4 Test RB = RB6#0



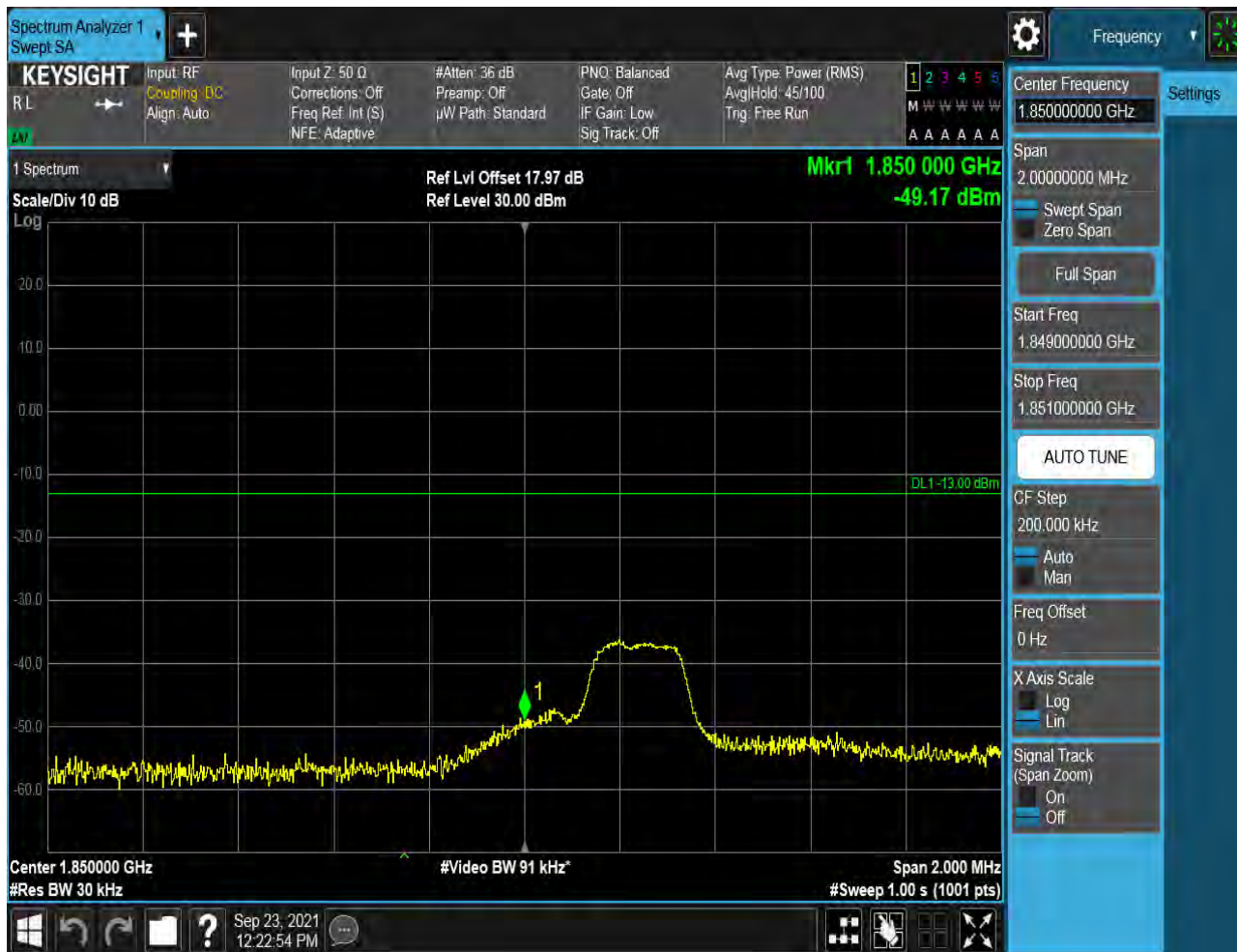
5.1.1.2.2 Test Bandwidth = 3

5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0



5.1.1.2.2.1.2 Test RB = RB1#14



5.1.1.2.2.1.3 Test RB = RB8#4

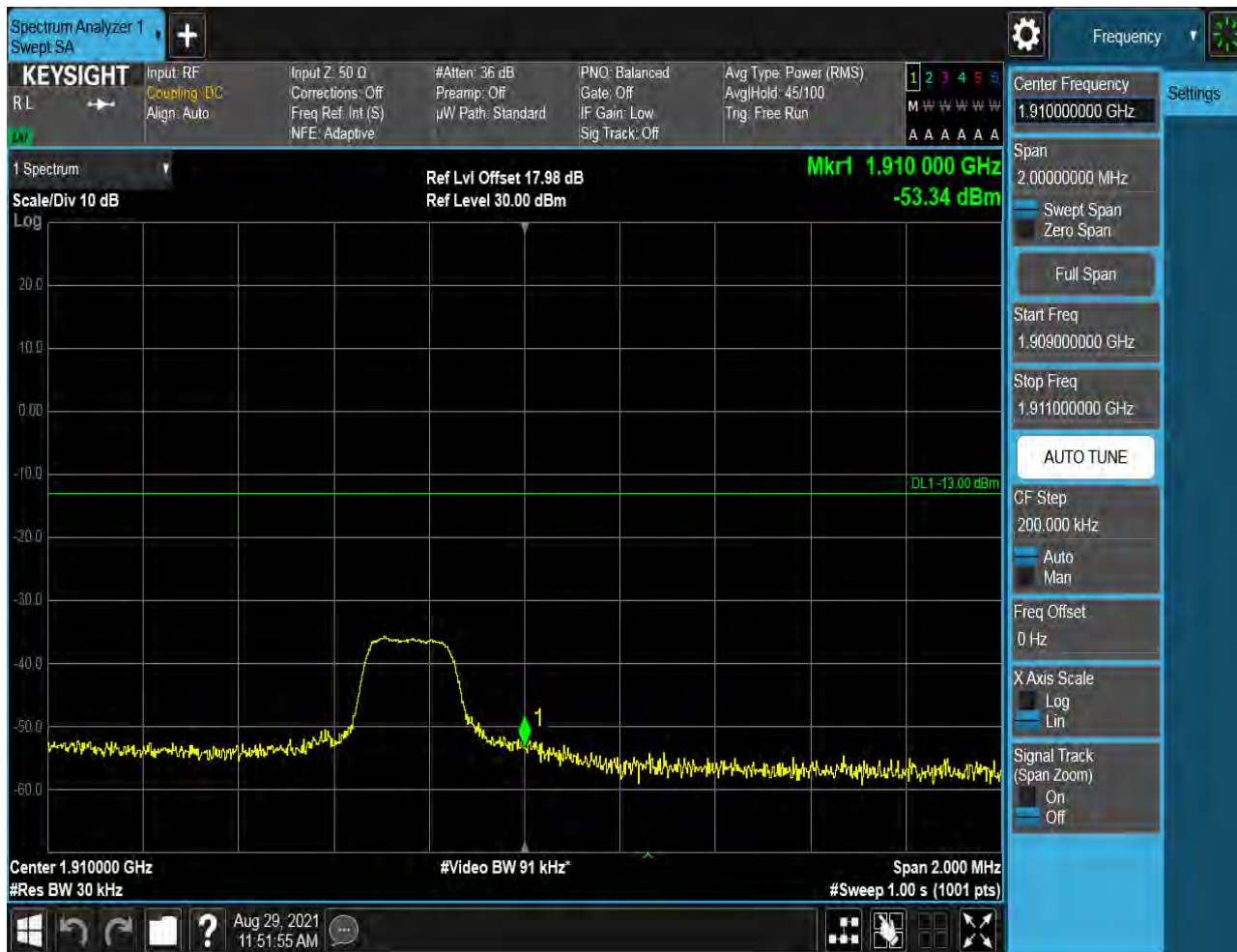


5.1.1.2.2.1.4 Test RB = RB15#0

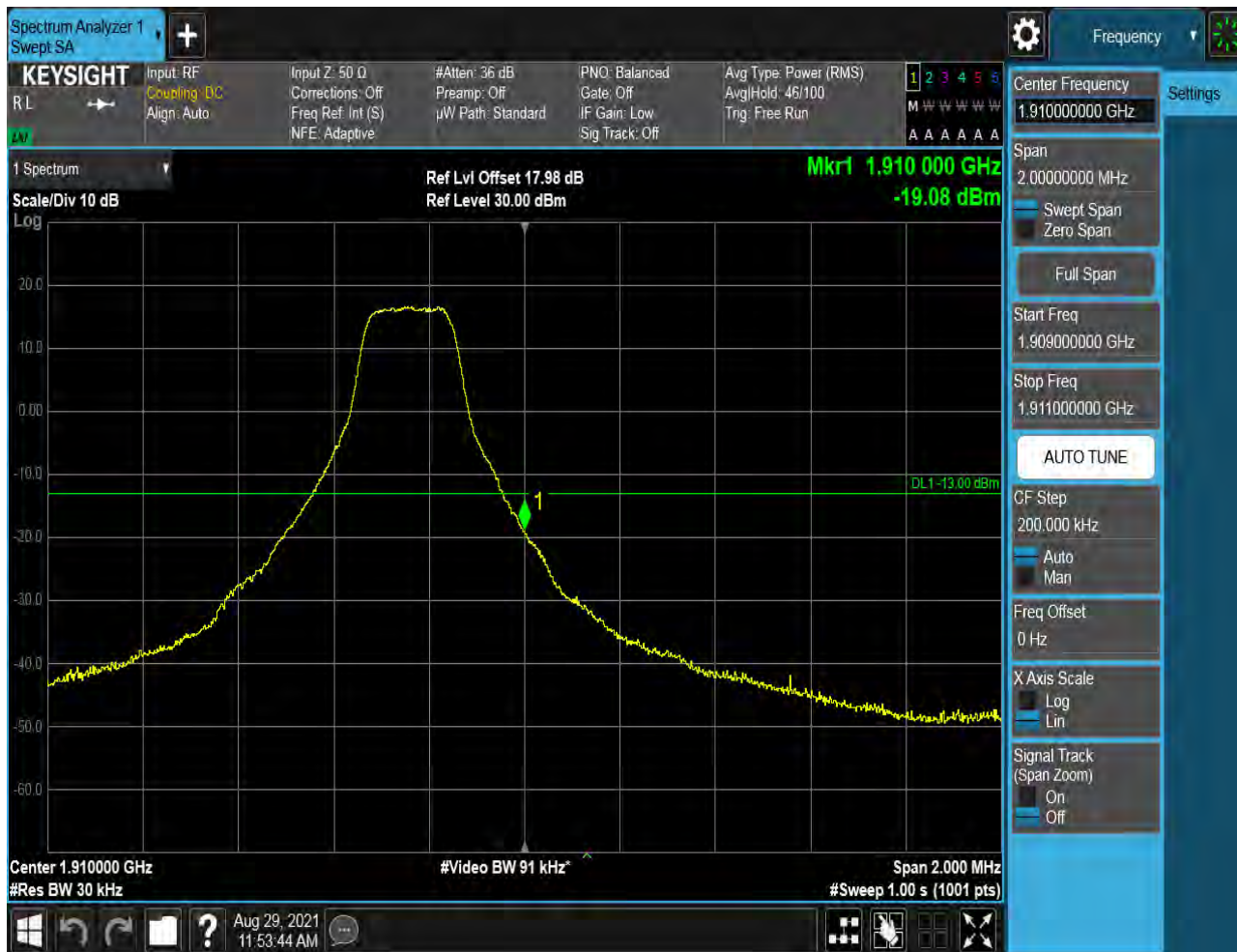


5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0



5.1.1.2.2.2 Test RB = RB1#14



5.1.1.2.2.3 Test RB = RB8#4



5.1.1.2.2.2.4 Test RB = RB15#0



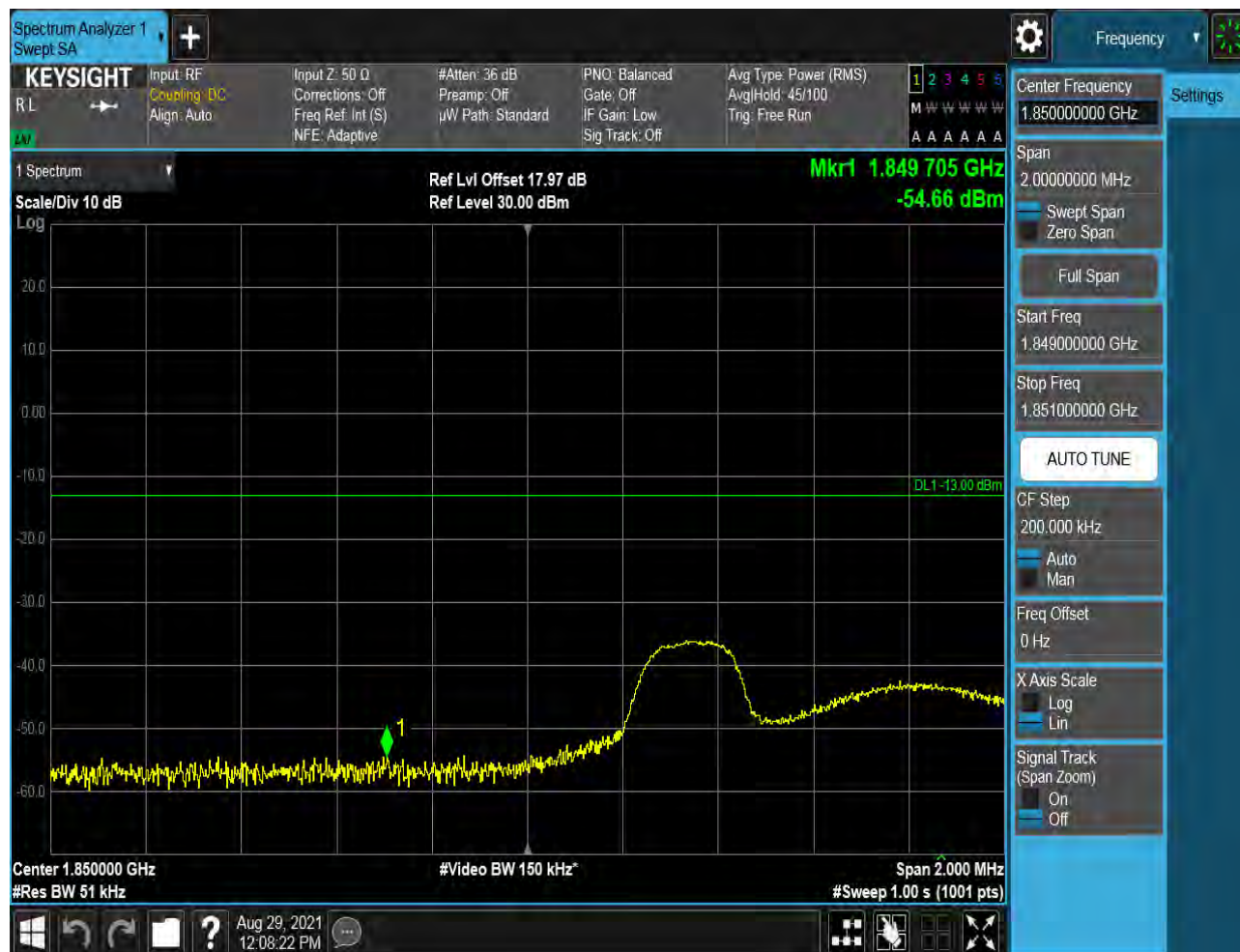
5.1.1.2.3 Test Bandwidth = 5

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

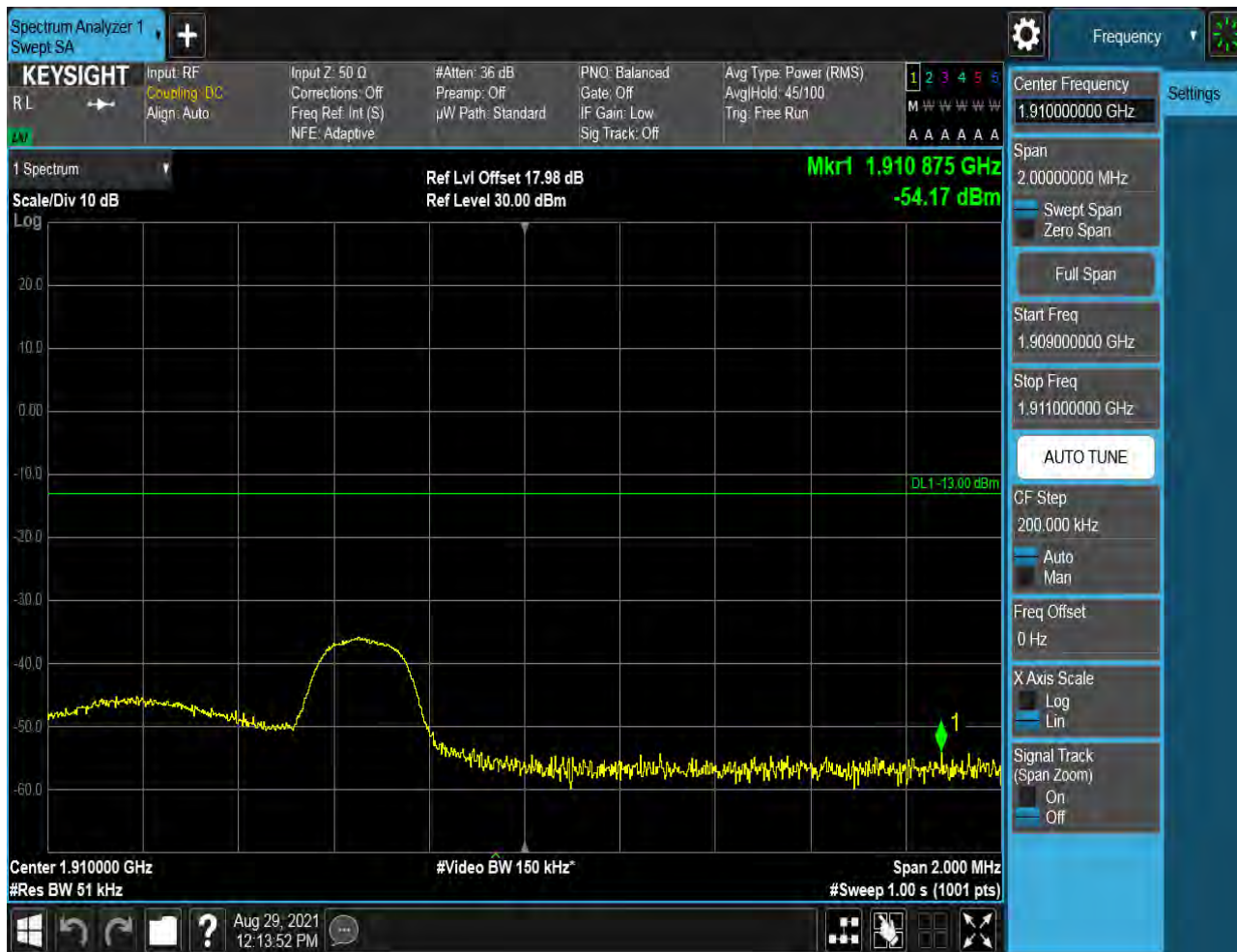


5.1.1.2.3.1.4 Test RB = RB25#0

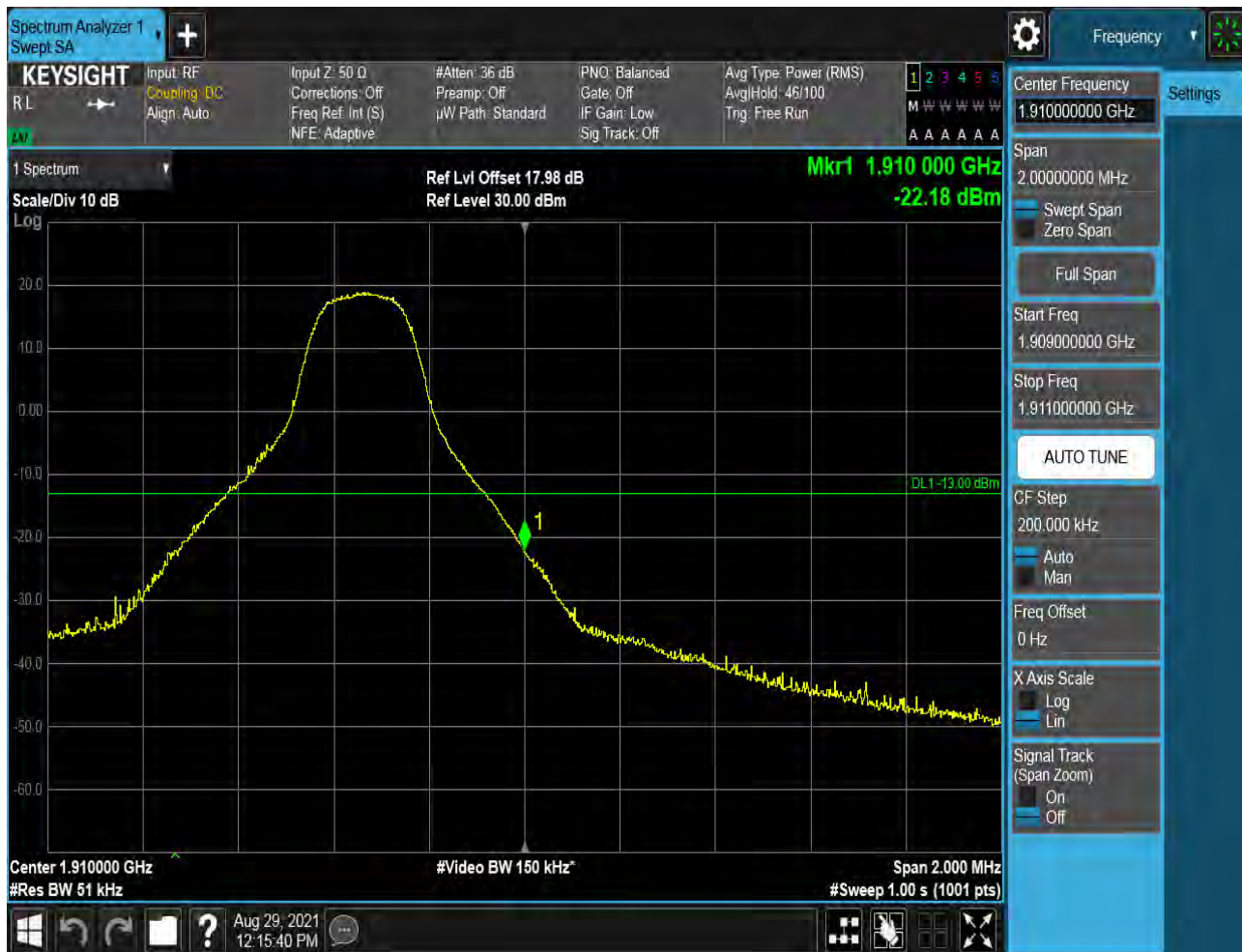


5.1.1.2.3.2 Test Channel = HCH

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



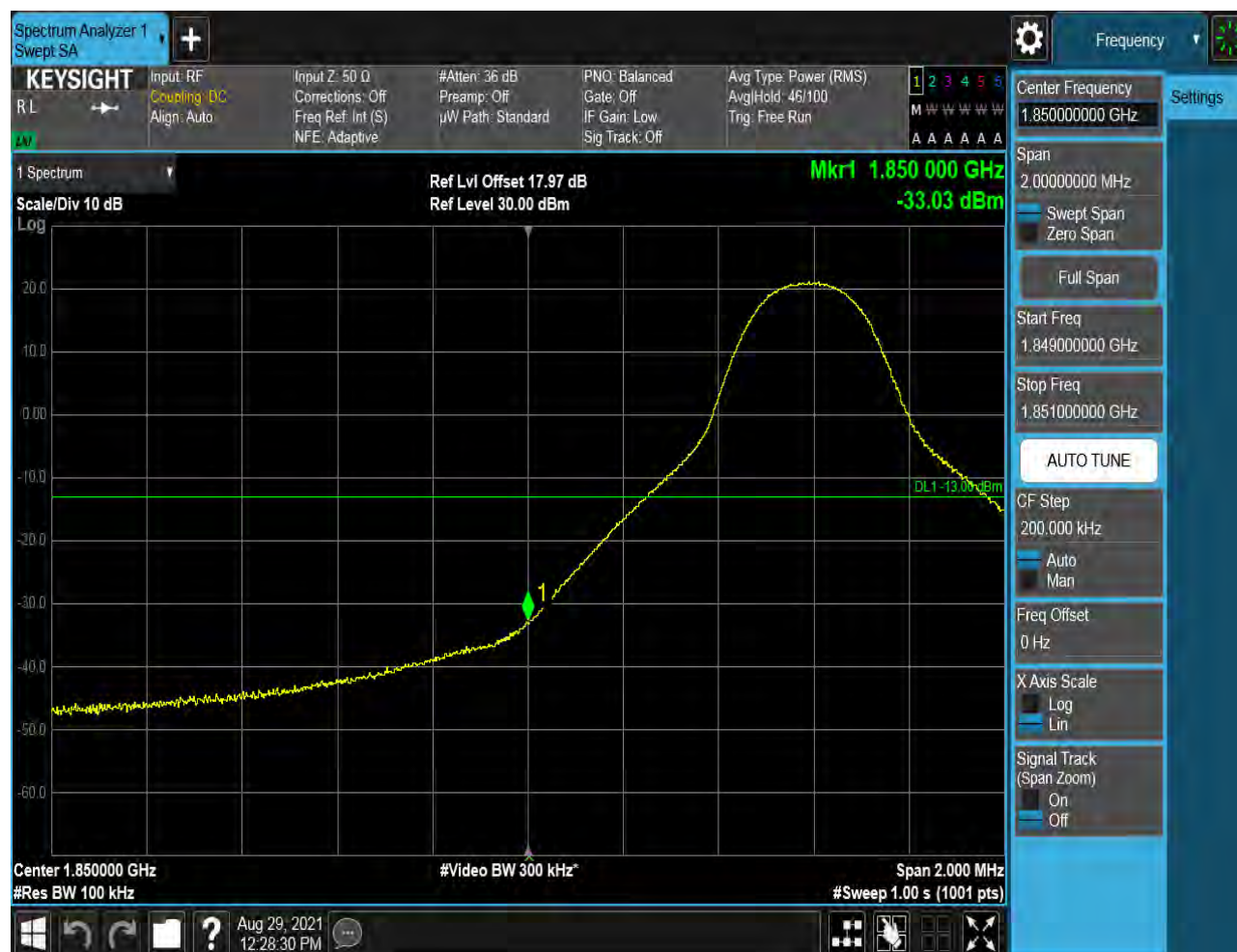
5.1.1.2.3.2.4 Test RB = RB25#0



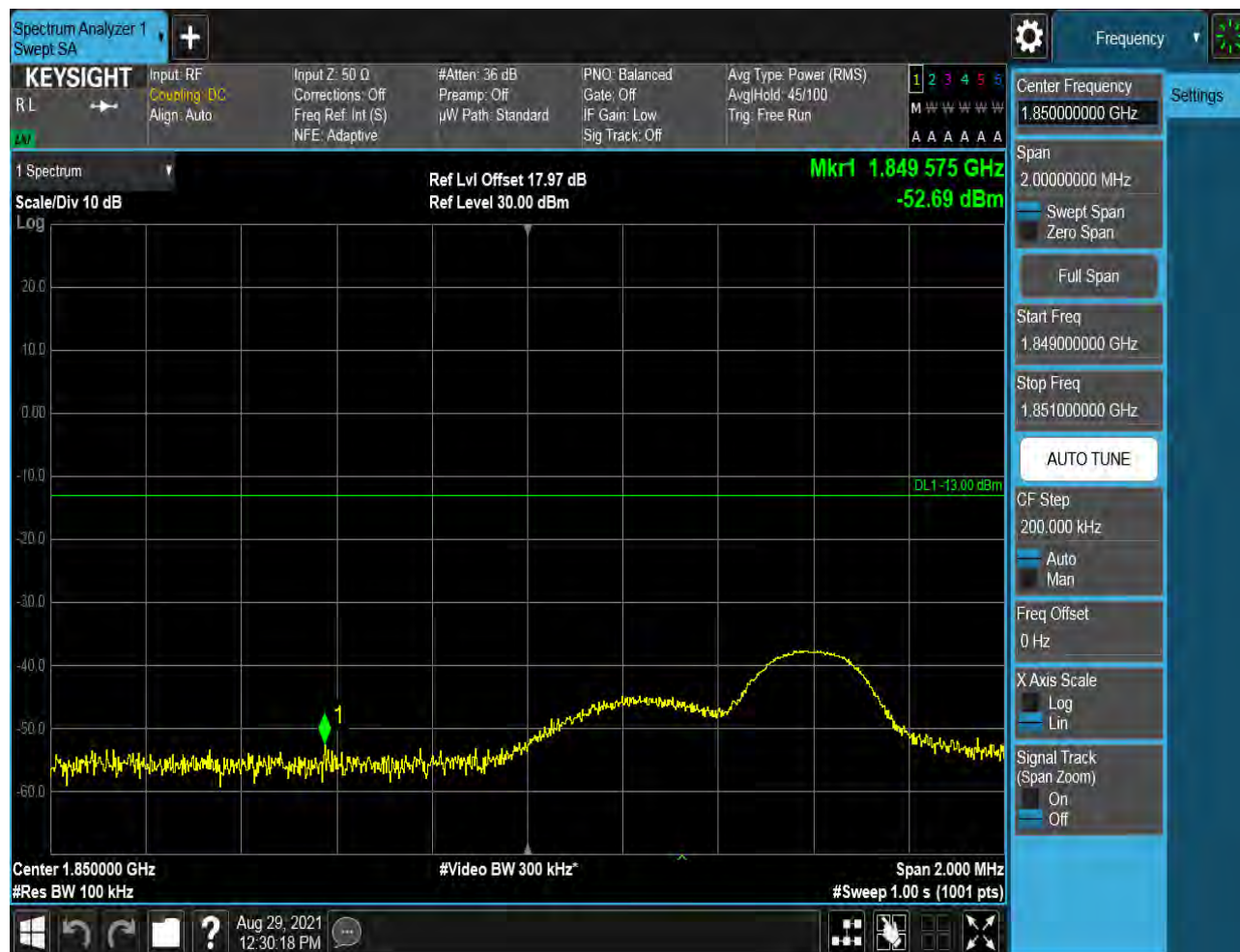
5.1.1.2.4 Test Bandwidth = 10

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

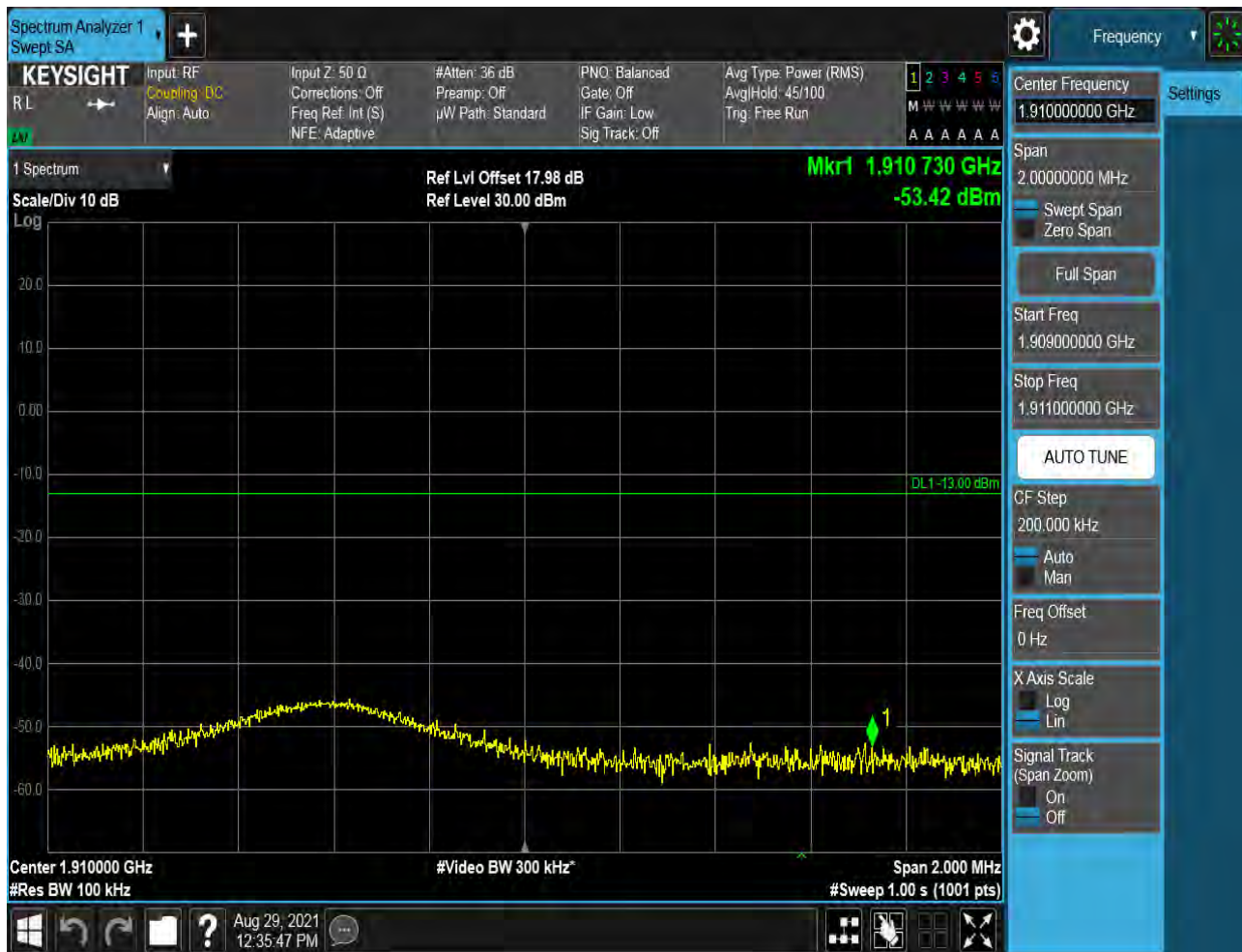


5.1.1.2.4.1.4 Test RB = RB50#0



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



5.1.1.2.4.2.3 Test RB = RB25#13



5.1.1.2.4.2.4 Test RB = RB50#0



5.1.1.2.5 Test Bandwidth = 15

5.1.1.2.5.1 Test Channel = LCH

5.1.1.2.5.1.1 Test RB = RB1#0

