



# 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	22.50	23.60	33	PASS
				RB1#3	22.59	23.69	33	PASS
				RB1#5	22.73	23.83	33	PASS
				RB3#0	22.54	23.64	33	PASS
				RB3#2	22.62	23.72	33	PASS
				RB3#3	22.57	23.67	33	PASS
				RB6#0	21.55	22.65	33	PASS
			MCH	RB1#0	22.68	23.78	33	PASS
				RB1#3	22.93	24.03	33	PASS
				RB1#5	22.76	23.86	33	PASS
				RB3#0	22.68	23.78	33	PASS
				RB3#2	22.80	23.90	33	PASS
				RB3#3	22.78	23.88	33	PASS
				RB6#0	21.81	22.91	33	PASS



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.38	23.48	33	PASS
				RB1#3	22.61	23.71	33	PASS
				RB1#5	22.62	23.72	33	PASS
				RB3#0	22.46	23.56	33	PASS
				RB3#2	22.53	23.63	33	PASS
				RB3#3	22.46	23.56	33	PASS
				RB6#0	21.70	22.80	33	PASS
		3	LCH	RB1#0	21.91	23.01	33	PASS
				RB1#7	22.56	23.66	33	PASS
				RB1#14	22.28	23.38	33	PASS
				RB8#0	21.24	22.34	33	PASS
				RB8#4	21.47	22.57	33	PASS
				RB8#7	21.48	22.58	33	PASS
				RB15#0	21.37	22.47	33	PASS
				MCH	RB1#0	22.04	23.14	33
RB1#7	22.76	23.86	33		PASS			
RB1#14	22.53	23.63	33		PASS			



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict	
				RB8#0	21.54	22.64	33	PASS	
				RB8#4	21.80	22.90	33	PASS	
				RB8#7	21.81	22.91	33	PASS	
				RB15#0	21.69	22.79	33	PASS	
			HCH	RB1#0	21.95	23.05	33	PASS	
				RB1#7	22.60	23.70	33	PASS	
				RB1#14	22.43	23.53	33	PASS	
				RB8#0	21.35	22.45	33	PASS	
			RB8#4	21.62	22.72	33	PASS		
			RB8#7	21.67	22.77	33	PASS		
			RB15#0	21.51	22.61	33	PASS		
			5	LCH	RB1#0	22.73	23.83	33	PASS
					RB1#13	23.18	24.28	33	PASS
					RB1#24	22.75	23.85	33	PASS
		RB12#0			21.86	22.96	33	PASS	
		RB12#6			22.04	23.14	33	PASS	
		RB12#1			21.80	22.90	33	PASS	



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				3				
				RB25#0	21.82	22.92	33	PASS
			MCH	RB1#0	22.72	23.82	33	PASS
				RB1#13	23.36	24.46	33	PASS
				RB1#24	23.17	24.27	33	PASS
				RB12#0	22.04	23.14	33	PASS
				RB12#6	22.40	23.50	33	PASS
				RB12#13	22.37	23.47	33	PASS
				RB25#0	22.21	23.31	33	PASS
				HCH	RB1#0	22.35	23.45	33
			RB1#13		23.17	24.27	33	PASS
			RB1#24		22.91	24.01	33	PASS
			RB12#0		21.68	22.78	33	PASS
			RB12#6		22.11	23.21	33	PASS
			RB12#13		22.13	23.23	33	PASS
			RB25#0		22.00	23.10	33	PASS



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
		10	LCH	RB1#0	22.13	23.23	33	PASS
				RB1#25	22.73	23.83	33	PASS
				RB1#49	22.85	23.95	33	PASS
				RB25#0	21.41	22.51	33	PASS
				RB25#13	21.47	22.57	33	PASS
				RB25#25	21.55	22.65	33	PASS
				RB50#0	21.56	22.66	33	PASS
			MCH	RB1#0	22.14	23.24	33	PASS
				RB1#25	23.38	24.48	33	PASS
				RB1#49	23.43	24.53	33	PASS
				RB25#0	21.76	22.86	33	PASS
				RB25#13	22.22	23.32	33	PASS
				RB25#25	22.33	23.43	33	PASS
HCH	RB1#0	21.66	22.76	33	PASS			



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#25	22.97	24.07	33	PASS
				RB1#49	22.95	24.05	33	PASS
				RB25#0	21.13	22.23	33	PASS
				RB25#13	21.77	22.87	33	PASS
				RB25#25	22.04	23.14	33	PASS
				RB50#0	21.81	22.91	33	PASS
		15	LCH	RB1#0	22.85	23.95	33	PASS
				RB1#38	22.34	23.44	33	PASS
				RB1#74	22.79	23.89	33	PASS
				RB38#0	21.44	22.54	33	PASS
				RB38#19	21.35	22.45	33	PASS
				RB38#39	21.58	22.68	33	PASS
				RB75#0	21.47	22.57	33	PASS
				MCH	RB1#0	22.63	23.73	33
RB1#38	23.08	24.18	33		PASS			



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#74	23.50	24.60	33	PASS
				RB38#0	21.99	23.09	33	PASS
				RB38#19	22.05	23.15	33	PASS
				RB38#39	22.20	23.30	33	PASS
				RB75#0	22.07	23.17	33	PASS
			HCH	RB1#0	22.48	23.58	33	PASS
				RB1#38	22.43	23.53	33	PASS
				RB1#74	22.72	23.82	33	PASS
				RB38#0	21.12	22.22	33	PASS
				RB38#19	21.45	22.55	33	PASS
		RB38#39		21.89	22.99	33	PASS	
		RB75#0		21.73	22.83	33	PASS	
		20	LCH	RB1#0	22.84	23.94	33	PASS
				RB1#50	21.81	22.91	33	PASS
				RB1#99	22.76	23.86	33	PASS





Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.09	22.19	33	PASS
				RB50#25	20.93	22.03	33	PASS
				RB50#50	21.50	22.60	33	PASS
				RB100#0	21.18	22.28	33	PASS
			MCH	RB1#0	22.78	23.88	33	PASS
				RB1#50	22.88	23.98	33	PASS
				RB1#99	23.22	24.32	33	PASS
				RB50#0	21.70	22.80	33	PASS
				RB50#25	21.84	22.94	33	PASS
				RB50#50	22.23	23.33	33	PASS
				RB100#0	22.06	23.16	33	PASS
			HCH	RB1#0	22.73	23.83	33	PASS
				RB1#50	22.01	23.11	33	PASS
				RB1#99	22.31	23.41	33	PASS



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict	
				RB50#0	21.43	22.53	33	PASS	
				RB50#25	21.10	22.20	33	PASS	
				RB50#50	21.81	22.91	33	PASS	
				RB100#0	21.70	22.80	33	PASS	
	LTE/TM2	1.4		LCH	RB1#0	21.62	22.72	33	PASS
					RB1#3	21.58	22.68	33	PASS
					RB1#5	21.90	23.00	33	PASS
					RB3#0	21.68	22.78	33	PASS
					RB3#2	21.78	22.88	33	PASS
					RB3#3	21.64	22.74	33	PASS
					RB6#0	20.63	21.73	33	PASS
					MCH	RB1#0	22.19	23.29	33
	RB1#3	22.30	23.40	33		PASS			
	RB1#5	22.37	23.47	33		PASS			
	RB3#0	21.89	22.99	33		PASS			



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB3#2	21.98	23.08	33	PASS
				RB3#3	21.97	23.07	33	PASS
				RB6#0	20.77	21.87	33	PASS
				RB1#0	21.47	22.57	33	PASS
				RB1#3	21.79	22.89	33	PASS
				RB1#5	21.88	22.98	33	PASS
				RB3#0	21.67	22.77	33	PASS
				RB3#2	21.68	22.78	33	PASS
				RB3#3	21.77	22.87	33	PASS
			RB6#0	20.80	21.90	33	PASS	
			LCH	RB1#0	21.30	22.40	33	PASS
				RB1#7	22.01	23.11	33	PASS
				RB1#14	21.49	22.59	33	PASS
				RB8#0	20.22	21.32	33	PASS
				RB8#4	20.44	21.54	33	PASS
RB8#7	20.45	21.55		33	PASS			
RB15#0	20.31	21.41		33	PASS			



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			MCH	RB1#0	21.47	22.57	33	PASS
				RB1#7	22.18	23.28	33	PASS
				RB1#14	21.94	23.04	33	PASS
				RB8#0	20.63	21.73	33	PASS
				RB8#4	20.87	21.97	33	PASS
				RB8#7	20.90	22.00	33	PASS
				RB15#0	20.72	21.82	33	PASS
			HCH	RB1#0	21.14	22.24	33	PASS
				RB1#7	21.89	22.99	33	PASS
				RB1#14	21.69	22.79	33	PASS
				RB8#0	20.39	21.49	33	PASS
				RB8#4	20.65	21.75	33	PASS
				RB8#7	20.71	21.81	33	PASS
				RB15#0	20.54	21.64	33	PASS
		5	LCH	RB1#0	21.95	23.05	33	PASS
RB1#13	22.36	23.46		33	PASS			
RB1#24	21.97	23.07		33	PASS			



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#0	20.83	21.93	33	PASS
				RB12#6	20.99	22.09	33	PASS
				RB12#13	20.76	21.86	33	PASS
				RB25#0	20.77	21.87	33	PASS
			MCH	RB1#0	22.26	23.36	33	PASS
				RB1#13	22.88	23.98	33	PASS
				RB1#24	22.63	23.73	33	PASS
				RB12#0	21.11	22.21	33	PASS
				RB12#6	21.43	22.53	33	PASS
				RB12#13	21.44	22.54	33	PASS
				RB25#0	21.24	22.34	33	PASS
			HCH	RB1#0	21.68	22.78	33	PASS
				RB1#13	22.36	23.46	33	PASS
				RB1#24	22.07	23.17	33	PASS
				RB12#0	20.81	21.91	33	PASS
				RB12#6	21.23	22.33	33	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict	
				RB12#13	21.28	22.38	33	PASS	
				RB25#0	21.04	22.14	33	PASS	
		10	LCH	RB1#0	21.45	22.55	33	PASS	
				RB1#25	22.03	23.13	33	PASS	
				RB1#49	22.23	23.33	33	PASS	
				RB25#0	20.44	21.54	33	PASS	
				RB25#13	20.48	21.58	33	PASS	
				RB25#25	20.56	21.66	33	PASS	
				RB50#0	20.50	21.60	33	PASS	
				MCH	RB1#0	21.61	22.71	33	PASS
					RB1#25	22.77	23.87	33	PASS
					RB1#49	22.85	23.95	33	PASS
		RB25#0	20.81		21.91	33	PASS		
		RB25#13	21.25		22.35	33	PASS		
RB25#2	21.36	22.46	33		PASS				



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				5				
				RB50#0	21.06	22.16	33	PASS
			HCH	RB1#0	20.78	21.88	33	PASS
				RB1#25	22.03	23.13	33	PASS
				RB1#49	22.14	23.24	33	PASS
				RB25#0	20.20	21.30	33	PASS
				RB25#13	20.82	21.92	33	PASS
				RB25#25	21.11	22.21	33	PASS
				RB50#0	20.84	21.94	33	PASS
		15	LCH	RB1#0	22.30	23.40	33	PASS
				RB1#38	21.74	22.84	33	PASS
				RB1#74	22.21	23.31	33	PASS
				RB38#0	20.47	21.57	33	PASS
				RB38#19	20.35	21.45	33	PASS
				RB38#39	20.61	21.71	33	PASS



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB75#0	20.45	21.55	33	PASS
			MCH	RB1#0	21.98	23.08	33	PASS
				RB1#38	22.59	23.69	33	PASS
				RB1#74	22.92	24.02	33	PASS
				RB38#0	20.84	21.94	33	PASS
				RB38#19	21.05	22.15	33	PASS
				RB38#39	21.22	22.32	33	PASS
				RB75#0	21.08	22.18	33	PASS
				HCH	RB1#0	21.75	22.85	33
			RB1#38		21.68	22.78	33	PASS
			RB1#74		22.08	23.18	33	PASS
			RB38#0		20.17	21.27	33	PASS
			RB38#19		20.49	21.59	33	PASS
			RB38#39		20.96	22.06	33	PASS
			RB75#0		20.77	21.87	33	PASS





Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
		20	LCH	RB1#0	22.11	23.21	33	PASS
				RB1#50	21.05	22.15	33	PASS
				RB1#99	22.10	23.20	33	PASS
				RB50#0	20.06	21.16	33	PASS
				RB50#25	19.91	21.01	33	PASS
				RB50#50	20.52	21.62	33	PASS
				RB100#0	20.18	21.28	33	PASS
			MCH	RB1#0	22.26	23.36	33	PASS
				RB1#50	22.28	23.38	33	PASS
				RB1#99	22.79	23.89	33	PASS
				RB50#0	20.71	21.81	33	PASS
				RB50#25	20.83	21.93	33	PASS
				RB50#50	21.26	22.36	33	PASS
				RB100#0	21.11	22.21	33	PASS



Test Band(LTE )	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured[dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22.19	23.29	33	PASS
				RB1#50	21.40	22.50	33	PASS
				RB1#99	21.96	23.06	33	PASS
				RB50#0	20.29	21.39	33	PASS
				RB50#25	20.12	21.22	33	PASS
				RB50#50	21.07	22.17	33	PASS
				RB100#0	20.60	21.70	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:

$$SET Span = 1.5 * OBW$$

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

$$SET VBW \geq 3 * RBW$$

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	5.02	13	PASS
				RB1#3	4.81	13	PASS
				RB1#5	4.86	13	PASS
				RB3#0	5.34	13	PASS
				RB3#2	5.21	13	PASS
				RB3#3	5.45	13	PASS
			RB6#0	5.76	13	PASS	
			MCH	RB1#0	4.88	13	PASS
				RB1#3	4.79	13	PASS
				RB1#5	4.90	13	PASS
				RB3#0	5.24	13	PASS
				RB3#2	5.06	13	PASS
		RB3#3		5.34	13	PASS	
		HCH	RB6#0	5.62	13	PASS	
			RB1#0	4.21	13	PASS	
			RB1#3	4.32	13	PASS	
			RB1#5	4.12	13	PASS	
			RB3#0	4.91	13	PASS	
			RB3#2	4.59	13	PASS	
		3	LCH	RB3#3	4.74	13	PASS
				RB6#0	5.45	13	PASS
				RB1#0	5.33	13	PASS
				RB1#7	4.51	13	PASS
				RB1#14	5.17	13	PASS
RB8#0	6.02			13	PASS		
MCH	RB8#4		5.92	13	PASS		
	RB8#7		5.98	13	PASS		
	RB15#0		6.05	13	PASS		
	RB1#0		4.79	13	PASS		
	RB1#7		4.47	13	PASS		
	RB1#14		4.45	13	PASS		
RB8#0	5.72	13	PASS				
RB8#4	5.54	13	PASS				
RB8#7	5.62	13	PASS				



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
			HCH	RB15#0	5.68	13	PASS	
				RB1#0	4.21	13	PASS	
				RB1#7	4.21	13	PASS	
				RB1#14	3.70	13	PASS	
				RB8#0	5.49	13	PASS	
				RB8#4	5.24	13	PASS	
				RB8#7	5.23	13	PASS	
				RB15#0	5.65	13	PASS	
		5	LCH		RB1#0	4.74	13	PASS
					RB1#13	4.54	13	PASS
					RB1#24	4.73	13	PASS
					RB12#0	5.72	13	PASS
					RB12#6	5.61	13	PASS
					RB12#13	5.74	13	PASS
					RB25#0	5.91	13	PASS
			MCH	RB1#0	4.79	13	PASS	
				RB1#13	4.53	13	PASS	
				RB1#24	4.38	13	PASS	
				RB12#0	5.73	13	PASS	
				RB12#6	5.34	13	PASS	
				RB12#13	5.33	13	PASS	
			HCH	RB25#0	5.85	13	PASS	
				RB1#0	4.35	13	PASS	
				RB1#13	3.90	13	PASS	
				RB1#24	3.62	13	PASS	
				RB12#0	5.51	13	PASS	
				RB12#6	5.17	13	PASS	
				RB12#13	5.20	13	PASS	
		10	LCH		RB25#0	5.44	13	PASS
					RB1#0	5.14	13	PASS
					RB1#25	4.85	13	PASS
					RB1#49	4.38	13	PASS
					RB25#0	6.29	13	PASS
					RB25#13	6.13	13	PASS
					RB25#25	6.12	13	PASS
			RB50#0	6.21	13	PASS		
MCH	RB1#0		4.91	13	PASS			
	RB1#25		4.38	13	PASS			
	RB1#49	3.57	13	PASS				



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#0	6.13	13	PASS
				RB25#13	5.64	13	PASS
				RB25#25	5.61	13	PASS
				RB50#0	6.02	13	PASS
			HCH	RB1#0	4.92	13	PASS
				RB1#25	4.13	13	PASS
				RB1#49	2.92	13	PASS
				RB25#0	5.91	13	PASS
				RB25#13	5.35	13	PASS
				RB25#25	5.02	13	PASS
				RB50#0	5.70	13	PASS
				LCH	RB1#0	4.57	13
			RB1#38		4.85	13	PASS
		RB1#74	3.89		13	PASS	
		RB38#0	6.32		13	PASS	
		RB38#19	6.29		13	PASS	
		RB38#39	6.07		13	PASS	
		RB75#0	6.53		13	PASS	
		MCH	RB1#0	4.69	13	PASS	
			RB1#38	4.41	13	PASS	
			RB1#74	3.33	13	PASS	
			RB38#0	6.05	13	PASS	
			RB38#19	5.71	13	PASS	
			RB38#39	5.47	13	PASS	
			RB75#0	6.23	13	PASS	
		HCH	RB1#0	4.43	13	PASS	
			RB1#38	4.30	13	PASS	
			RB1#74	3.30	13	PASS	
			RB38#0	6.15	13	PASS	
			RB38#19	5.78	13	PASS	
			RB38#39	5.25	13	PASS	
			RB75#0	6.22	13	PASS	
20	LCH	RB1#0	4.91	13	PASS		
		RB1#50	5.18	13	PASS		
		RB1#99	3.60	13	PASS		
		RB50#0	6.68	13	PASS		
		RB50#25	6.61	13	PASS		
		RB50#50	6.07	13	PASS		
		RB100#0	6.75	13	PASS		



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
			MCH	RB1#0	4.80	13	PASS	
				RB1#50	4.56	13	PASS	
				RB1#99	3.47	13	PASS	
				RB50#0	6.26	13	PASS	
				RB50#25	5.91	13	PASS	
				RB50#50	5.40	13	PASS	
				RB100#0	6.33	13	PASS	
			HCH	RB1#0	4.65	13	PASS	
				RB1#50	4.70	13	PASS	
				RB1#99	3.48	13	PASS	
				RB50#0	6.23	13	PASS	
				RB50#25	5.89	13	PASS	
				RB50#50	5.03	13	PASS	
				RB100#0	6.17	13	PASS	
		LTE/TM2	1.4	LCH	RB1#0	5.72	13	PASS
					RB1#3	5.93	13	PASS
					RB1#5	5.98	13	PASS
					RB3#0	6.40	13	PASS
					RB3#2	6.24	13	PASS
					RB3#3	6.22	13	PASS
					RB6#0	7.07	13	PASS
				MCH	RB1#0	5.68	13	PASS
					RB1#3	5.13	13	PASS
					RB1#5	5.56	13	PASS
					RB3#0	6.22	13	PASS
					RB3#2	6.15	13	PASS
					RB3#3	5.89	13	PASS
					RB6#0	6.82	13	PASS
			HCH	RB1#0	5.42	13	PASS	
				RB1#3	4.90	13	PASS	
				RB1#5	5.11	13	PASS	
				RB3#0	5.57	13	PASS	
RB3#2	5.40	13		PASS				
RB3#3	5.43	13		PASS				
RB6#0	6.28	13		PASS				
3	LCH	RB1#0	5.55	13	PASS			
		RB1#7	5.00	13	PASS			
		RB1#14	4.90	13	PASS			
		RB8#0	6.87	13	PASS			



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
				RB8#4	6.74	13	PASS	
				RB8#7	6.70	13	PASS	
				RB15#0	7.23	13	PASS	
			MCH	RB1#0	5.88	13	PASS	
				RB1#7	5.48	13	PASS	
				RB1#14	5.56	13	PASS	
				RB8#0	6.55	13	PASS	
				RB8#4	6.43	13	PASS	
				RB8#7	6.40	13	PASS	
				RB15#0	6.43	13	PASS	
				HCH	RB1#0	5.24	13	PASS
					RB1#7	5.26	13	PASS
			RB1#14		5.06	13	PASS	
			RB8#0		6.36	13	PASS	
			RB8#4		6.13	13	PASS	
			RB8#7		6.09	13	PASS	
			5	LCH	RB1#0	5.32	13	PASS
					RB1#13	5.13	13	PASS
		RB1#24			5.31	13	PASS	
		RB12#0			6.88	13	PASS	
		RB12#6			6.67	13	PASS	
		RB12#13			6.75	13	PASS	
		RB25#0			7.18	13	PASS	
		MCH		RB1#0	5.94	13	PASS	
				RB1#13	5.44	13	PASS	
				RB1#24	5.27	13	PASS	
				RB12#0	6.94	13	PASS	
				RB12#6	6.62	13	PASS	
				RB12#13	6.30	13	PASS	
		HCH		RB25#0	6.73	13	PASS	
				RB1#0	5.50	13	PASS	
			RB1#13	4.89	13	PASS		
			RB1#24	4.51	13	PASS		
RB12#0	6.56		13	PASS				
RB12#6	6.06		13	PASS				
RB12#13	6.09		13	PASS				
10	LCH	RB1#0	5.68	13	PASS			



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#25	5.44	13	PASS
				RB1#49	5.09	13	PASS
				RB25#0	7.24	13	PASS
				RB25#13	7.05	13	PASS
				RB25#25	7.10	13	PASS
				RB50#0	6.98	13	PASS
			MCH	RB1#0	5.72	13	PASS
				RB1#25	5.09	13	PASS
				RB1#49	4.25	13	PASS
				RB25#0	6.64	13	PASS
				RB25#13	6.29	13	PASS
				RB25#25	6.29	13	PASS
			HCH	RB50#0	6.83	13	PASS
				RB1#0	5.71	13	PASS
				RB1#25	5.05	13	PASS
				RB1#49	3.94	13	PASS
				RB25#0	6.89	13	PASS
				RB25#13	6.41	13	PASS
		15	LCH	RB25#25	6.14	13	PASS
				RB50#0	6.69	13	PASS
				RB1#0	5.10	13	PASS
				RB1#38	5.36	13	PASS
				RB1#74	4.74	13	PASS
				RB38#0	7.01	13	PASS
			MCH	RB38#19	7.03	13	PASS
				RB38#39	6.89	13	PASS
				RB75#0	7.40	13	PASS
				RB1#0	5.79	13	PASS
				RB1#38	5.42	13	PASS
				RB1#74	4.20	13	PASS
HCH	RB38#0	7.17	13	PASS			
	RB38#19	6.77	13	PASS			
	RB38#39	6.58	13	PASS			
	RB75#0	7.10	13	PASS			
	RB38#19	6.64	13	PASS			
			HCH	RB1#0	5.99	13	PASS
			HCH	RB1#38	5.63	13	PASS
			HCH	RB1#74	3.80	13	PASS
			HCH	RB38#0	6.93	13	PASS
			HCH	RB38#19	6.64	13	PASS





Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
				RB38#39	5.93	13	PASS	
				RB75#0	7.18	13	PASS	
		20	LCH	RB1#0	5.81	13	PASS	
				RB1#50	6.33	13	PASS	
				RB1#99	4.19	13	PASS	
				RB50#0	7.41	13	PASS	
				RB50#25	7.48	13	PASS	
				RB50#50	6.82	13	PASS	
				RB100#0	7.46	13	PASS	
				MCH	RB1#0	5.29	13	PASS
					RB1#50	5.08	13	PASS
			RB1#99		4.27	13	PASS	
			RB50#0		7.03	13	PASS	
			RB50#25		6.88	13	PASS	
			RB50#50		6.36	13	PASS	
			HCH	RB100#0	7.11	13	PASS	
				RB1#0	5.50	13	PASS	
				RB1#50	5.78	13	PASS	
				RB1#99	3.85	13	PASS	
				RB50#0	7.15	13	PASS	
		RB50#25		6.92	13	PASS		
				RB50#50	5.96	13	PASS	
				RB100#0	7.17	13	PASS	



### 3Appendix\_C: Modulation Characteristics

#### Part I - Test Plots

##### 3.1 For LTE

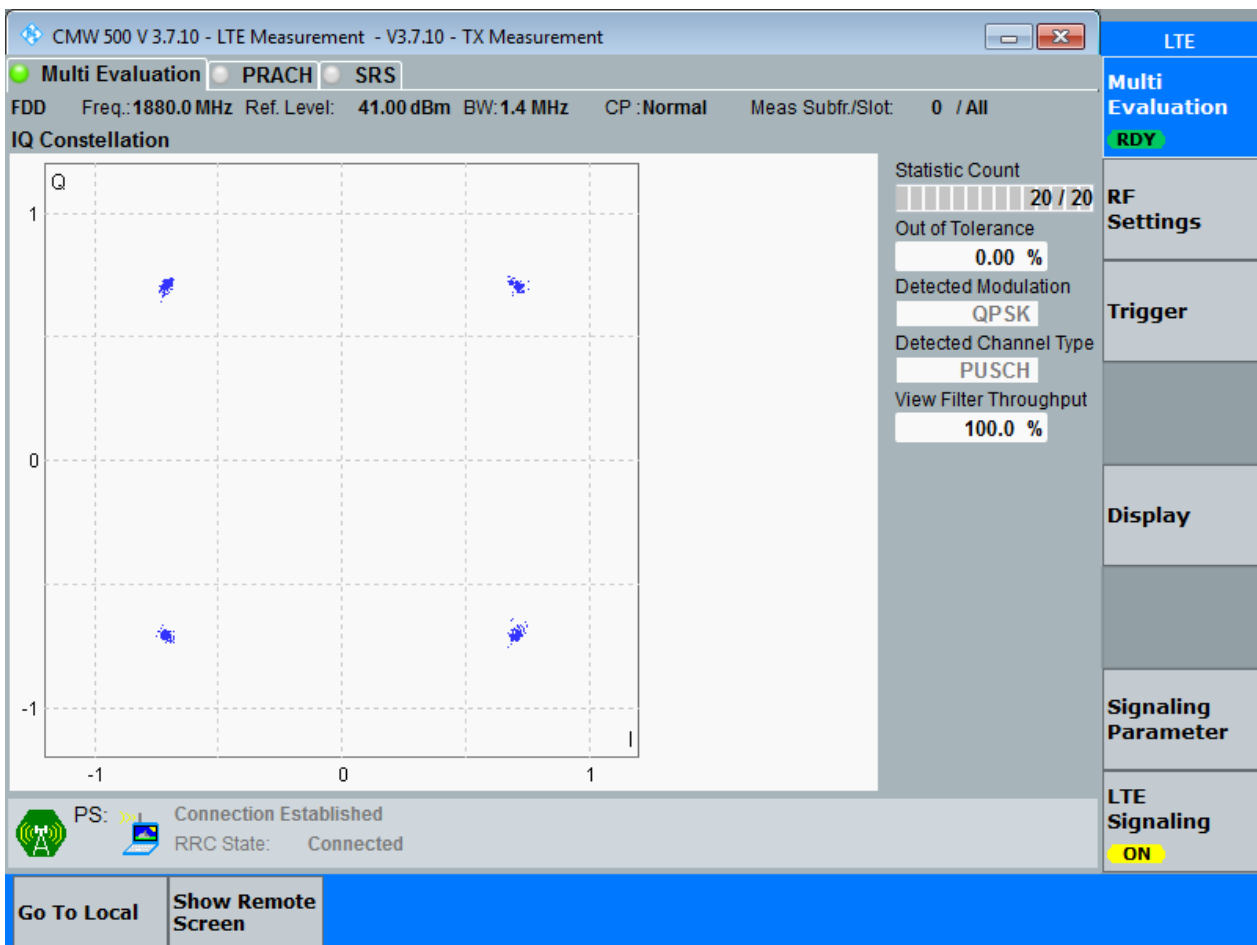
##### 3.1.1 Test Band = Band2

##### 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

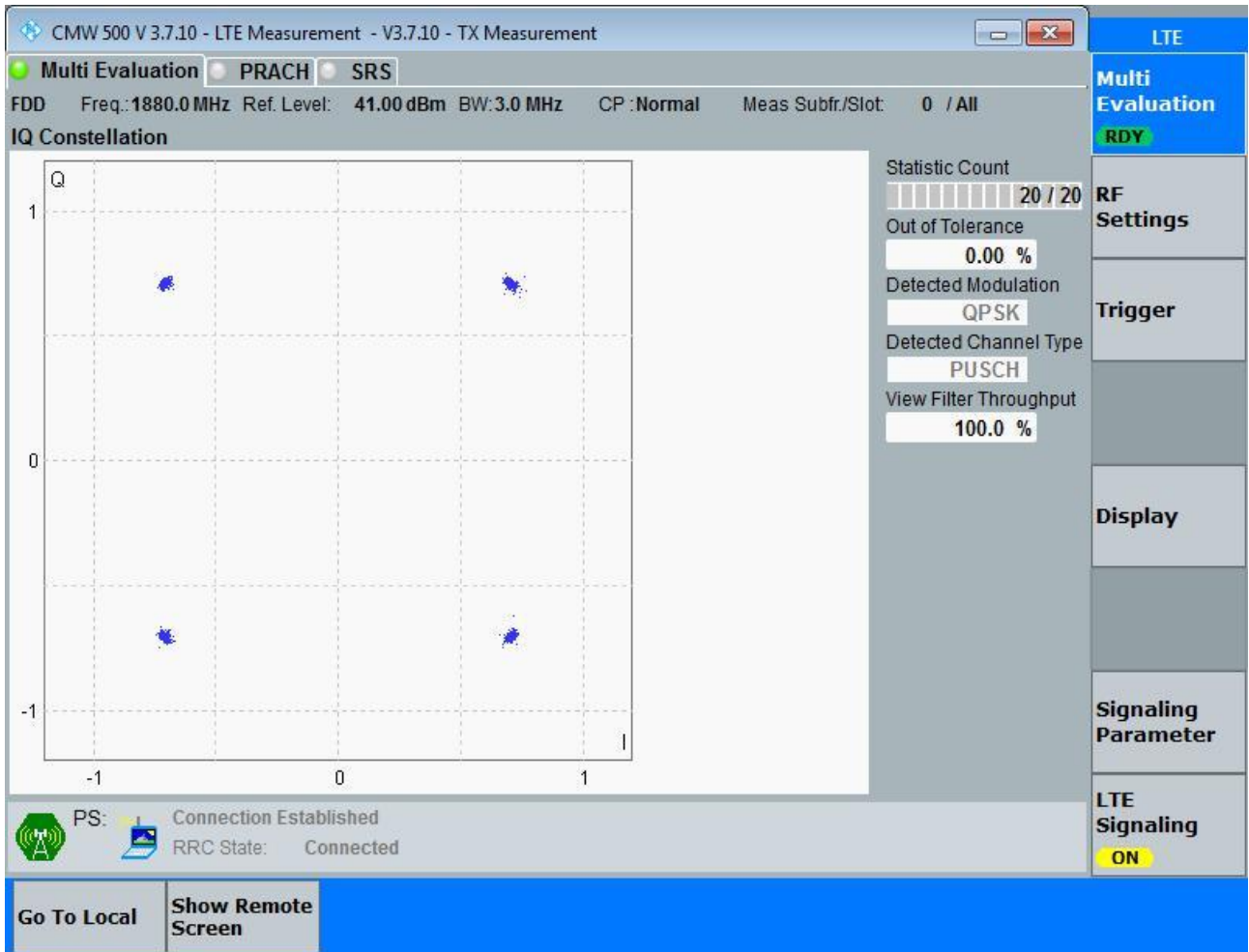




### 3.1.1.1.2 Test Bandwidth = 3

#### 3.1.1.1.2.1 Test Channel = MCH

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

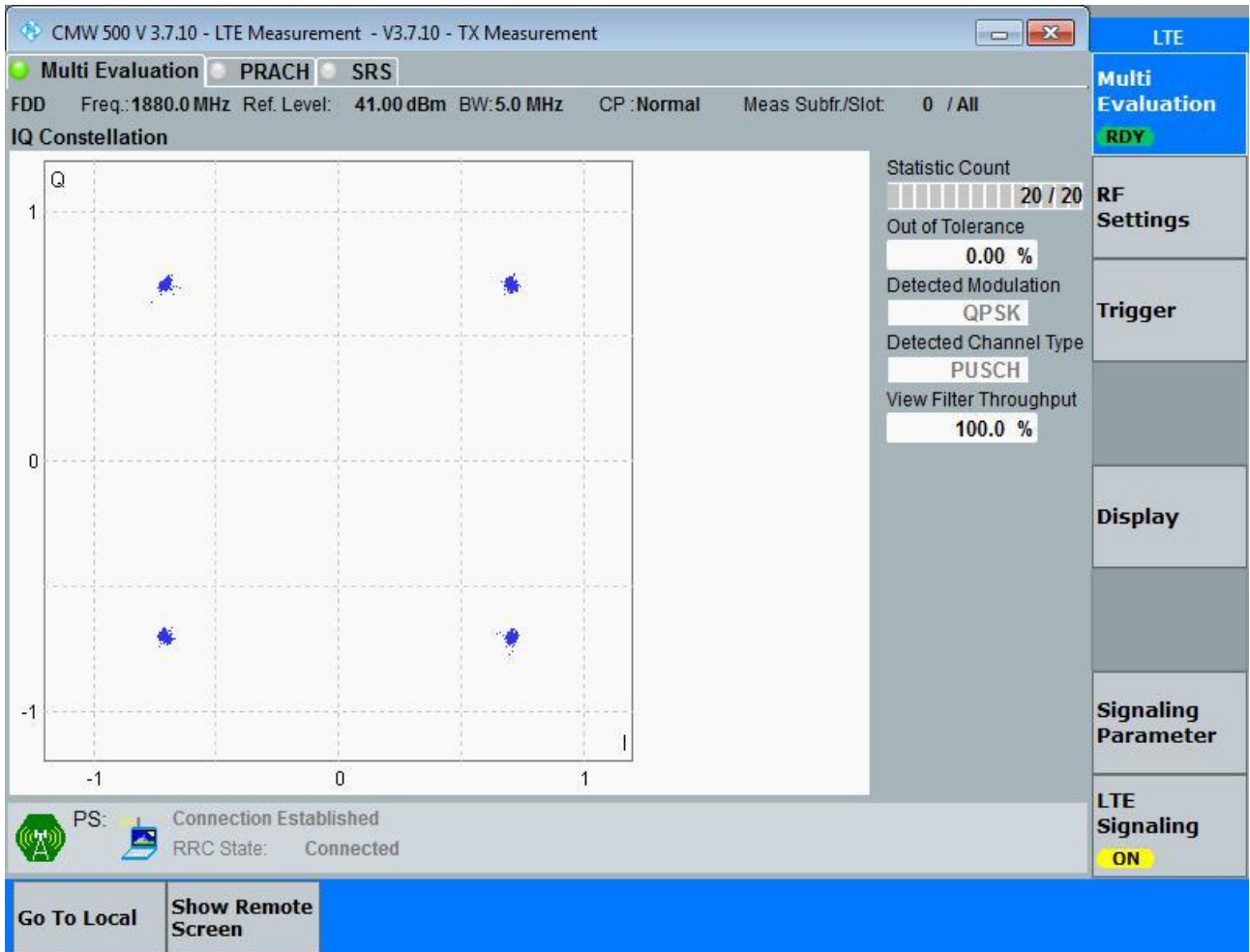




### 3.1.1.1.3 Test Bandwidth = 5

#### 3.1.1.1.3.1 Test Channel = MCH

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

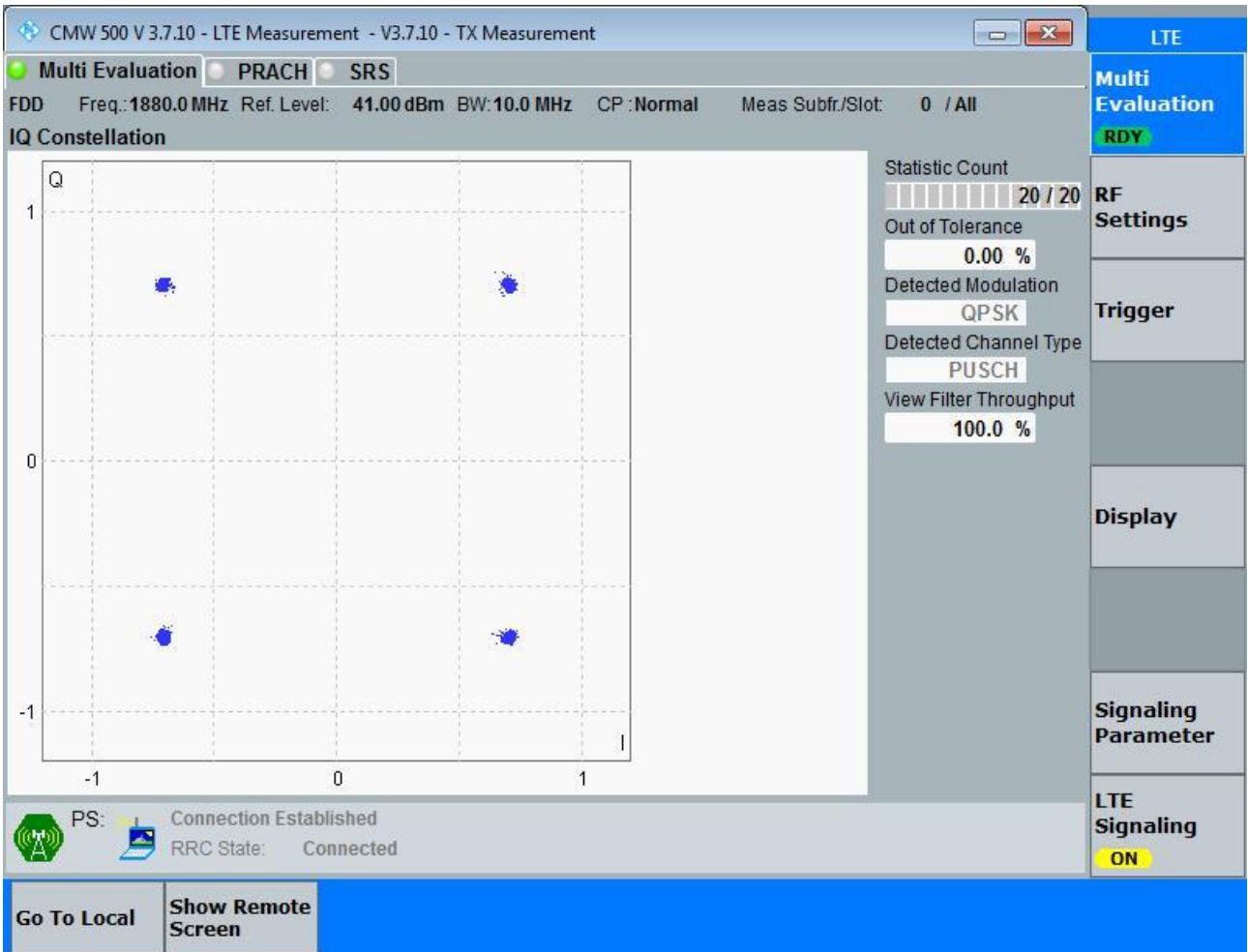




### 3.1.1.1.4 Test Bandwidth = 10

#### 3.1.1.1.4.1 Test Channel = MCH

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

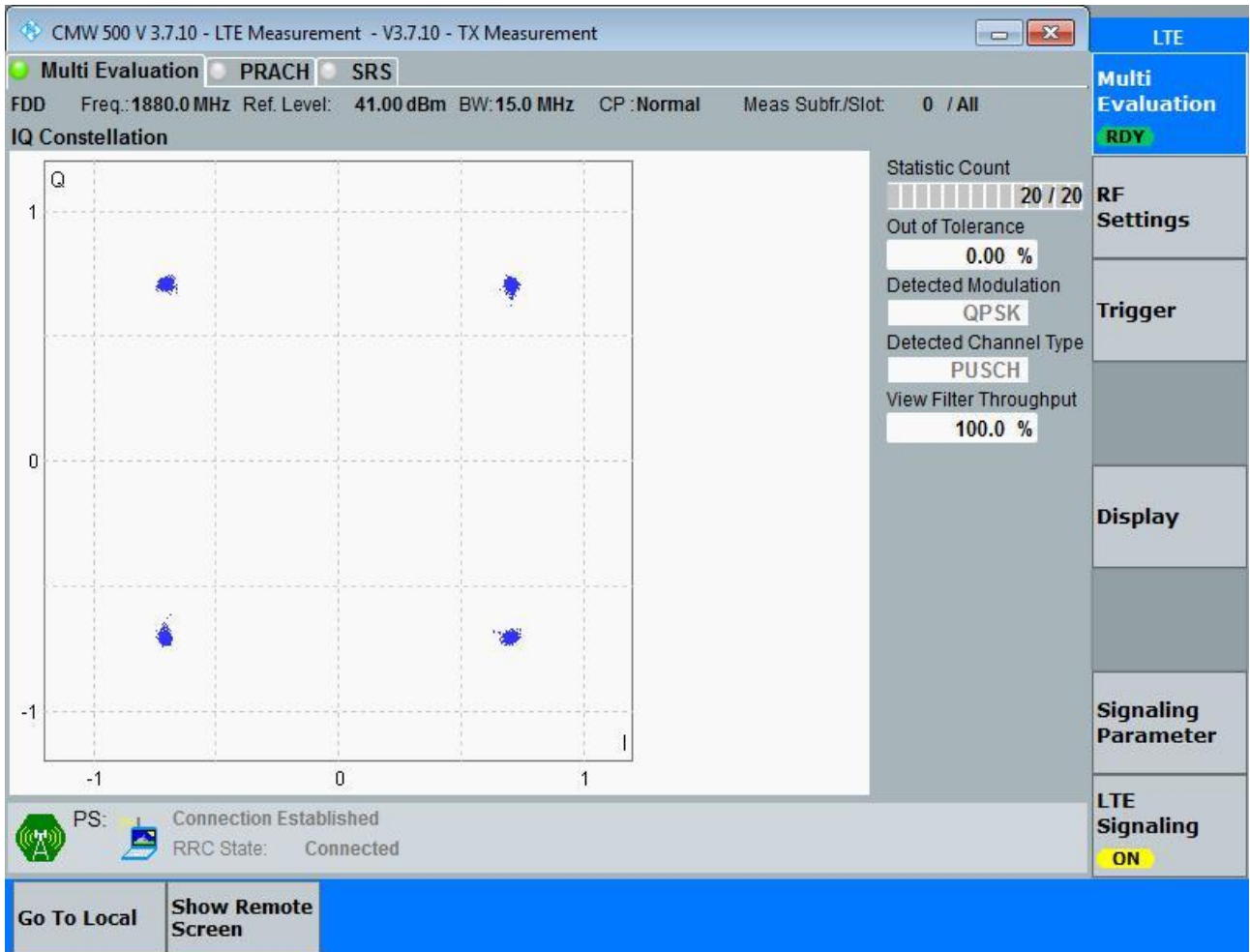




### 3.1.1.1.5 Test Bandwidth = 15

#### 3.1.1.1.5.1 Test Channel = MCH

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

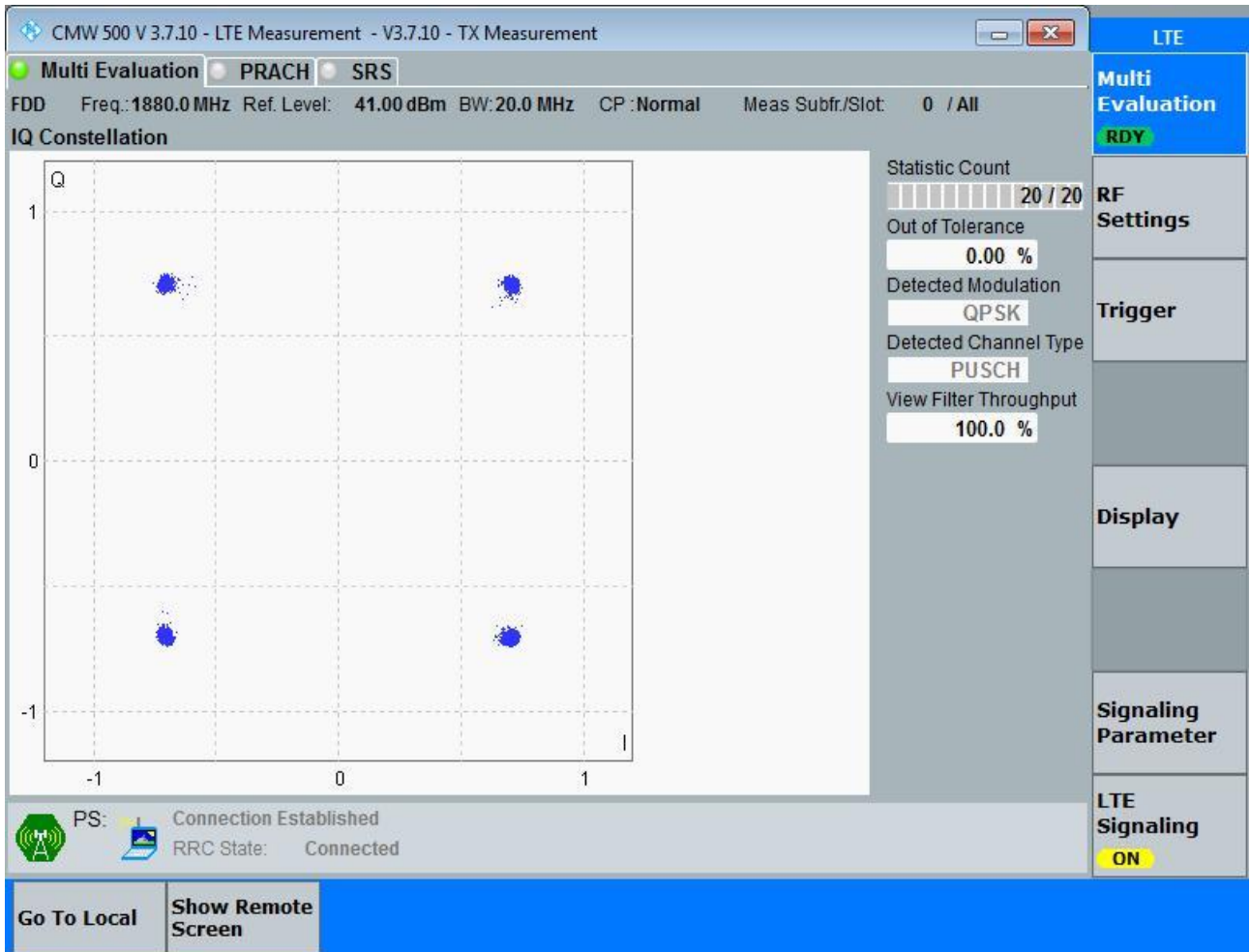




### 3.1.1.1.6 Test Bandwidth = 20

#### 3.1.1.1.6.1 Test Channel = MCH

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



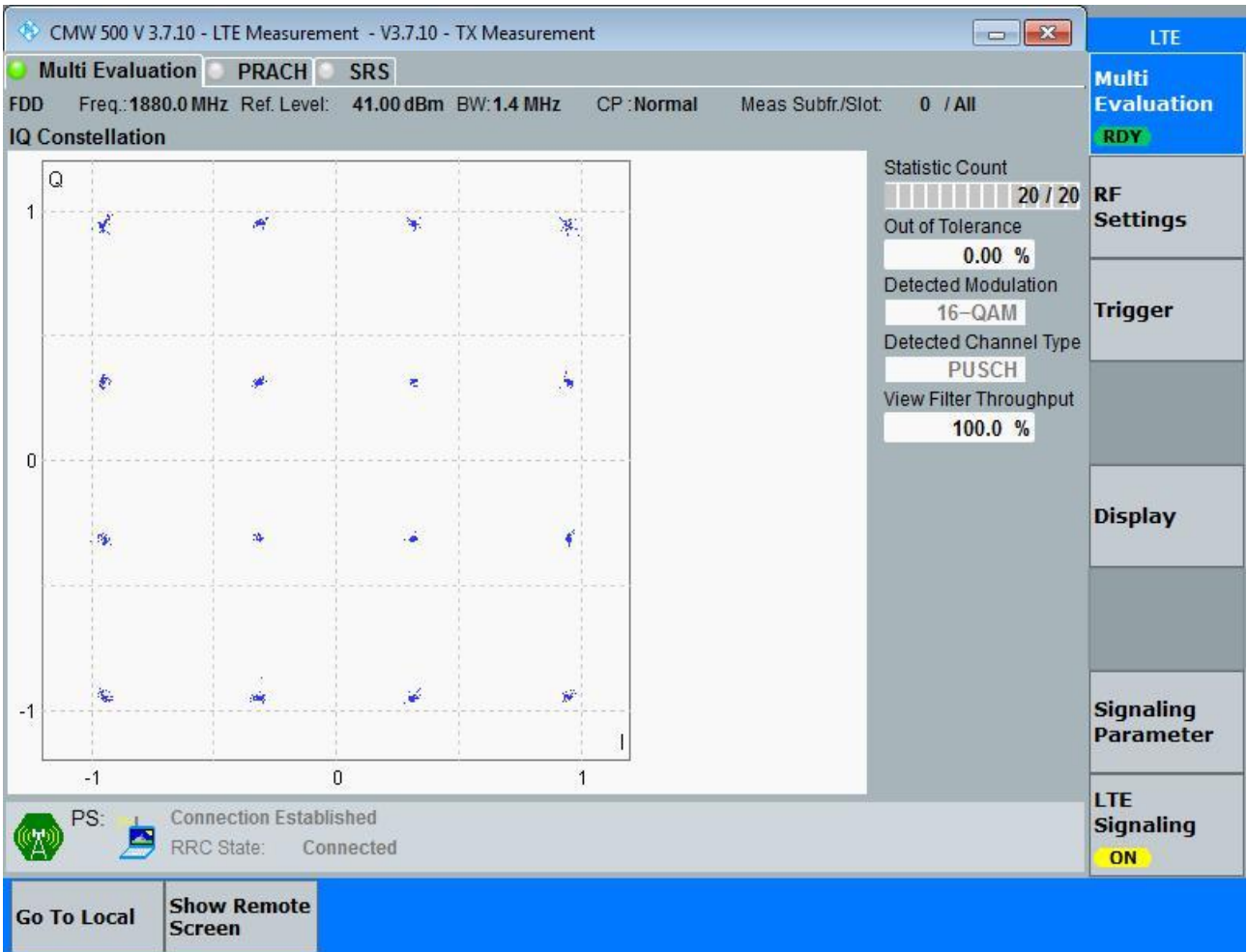


### 3.1.1.2 Test Mode = LTE/TM2

#### 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



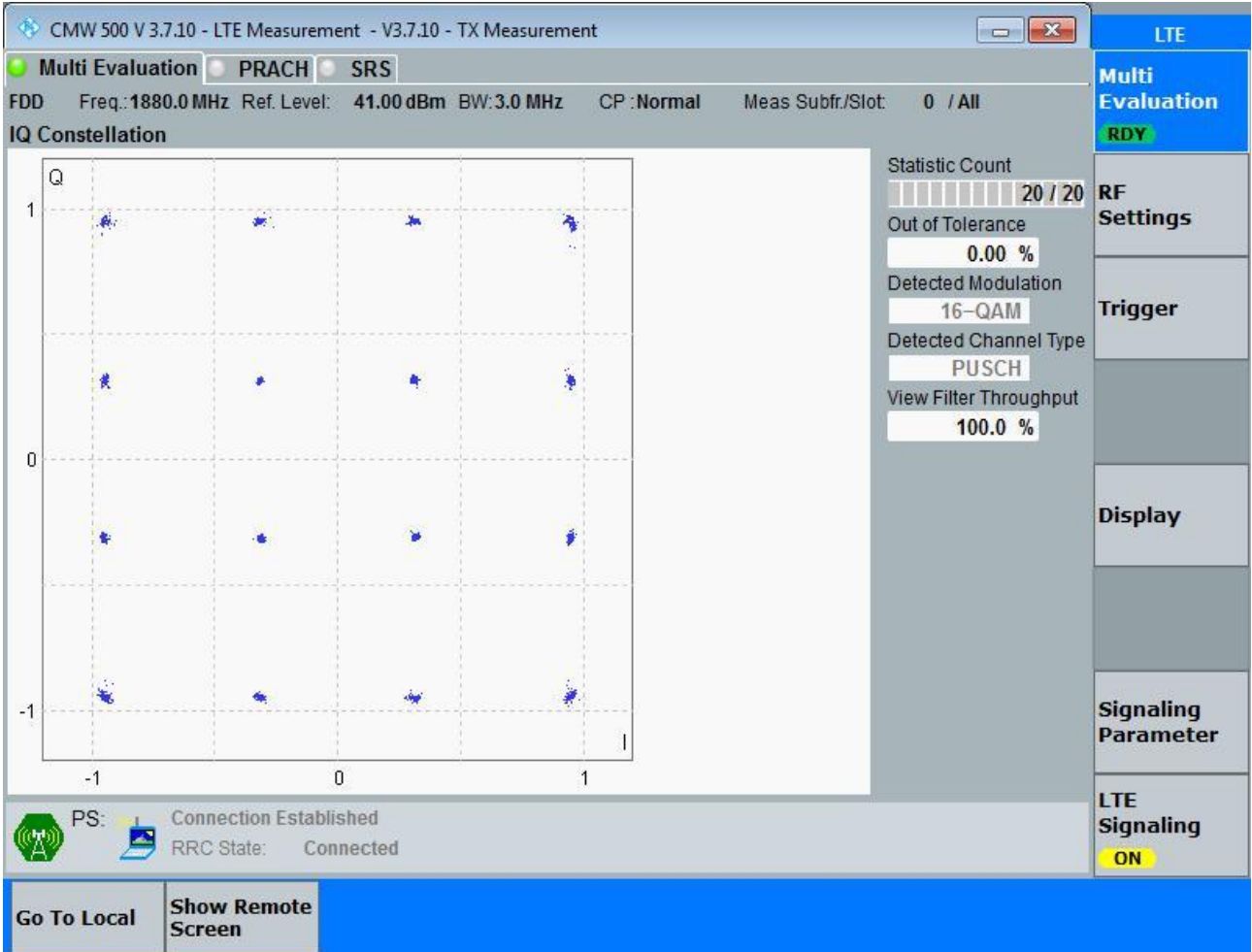




### 3.1.1.2.2 Test Bandwidth = 3

#### 3.1.1.2.2.1 Test Channel = MCH

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

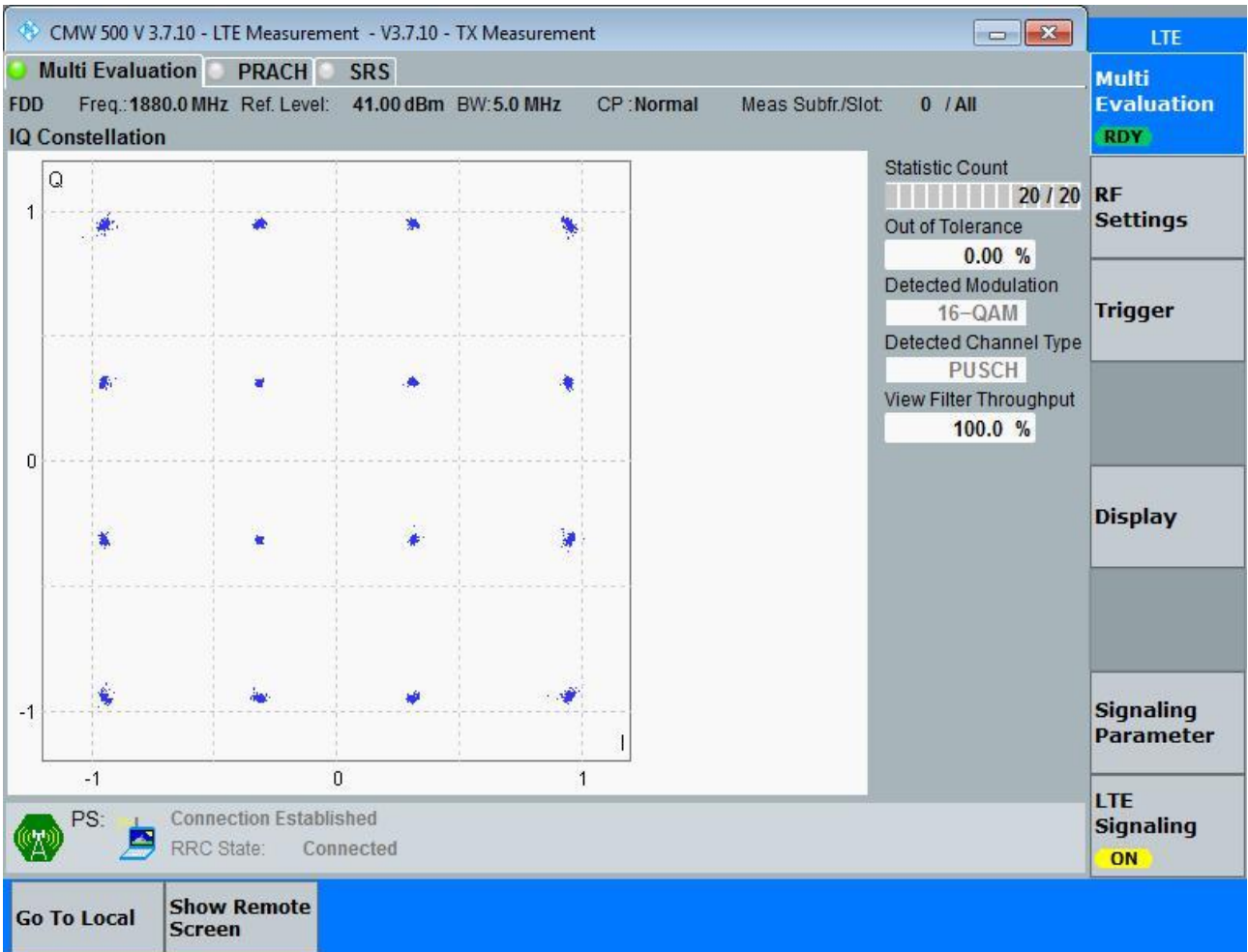




### 3.1.1.2.3 Test Bandwidth = 5

#### 3.1.1.2.3.1 Test Channel = MCH

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

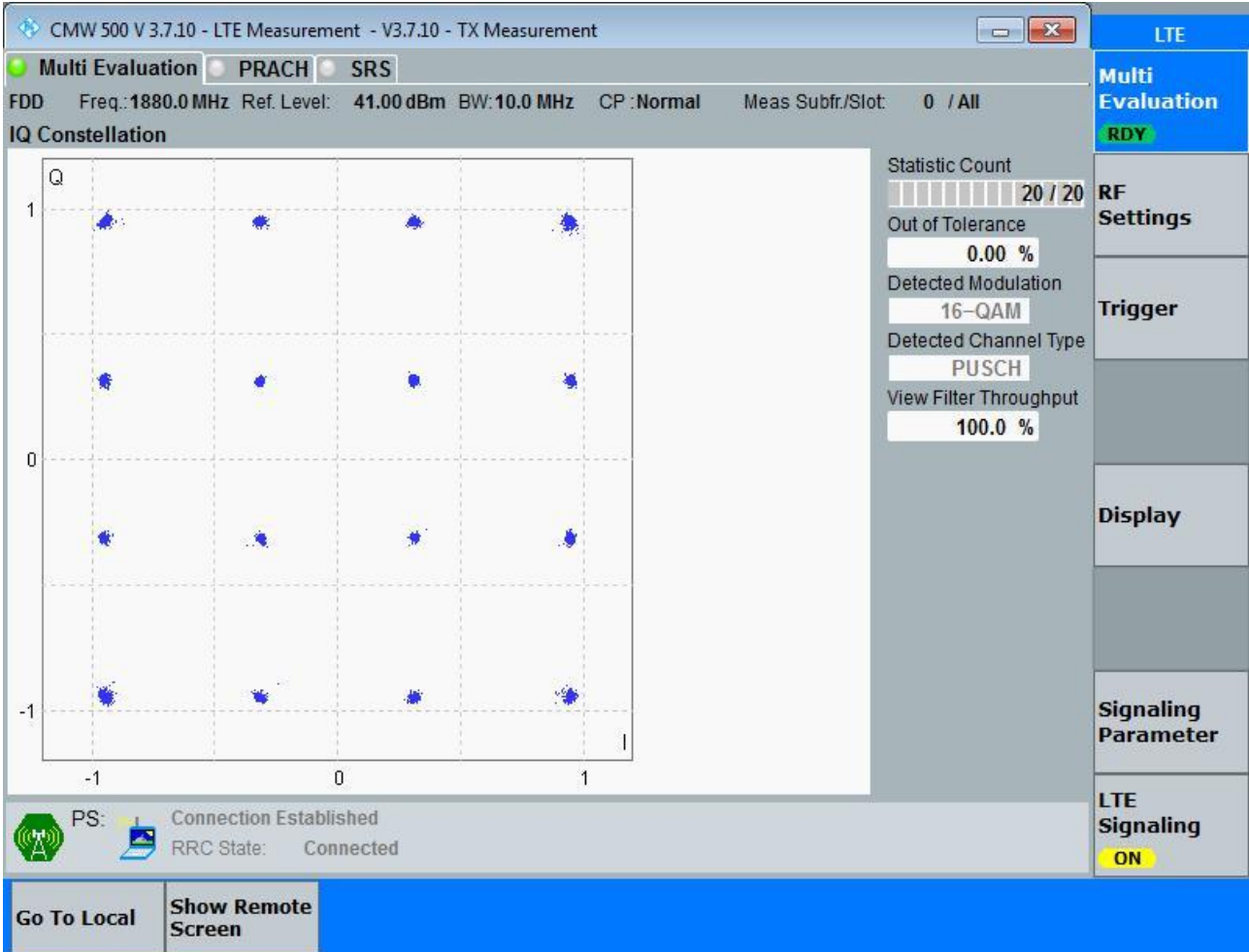




### 3.1.1.2.4 Test Bandwidth = 10

#### 3.1.1.2.4.1 Test Channel = MCH

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

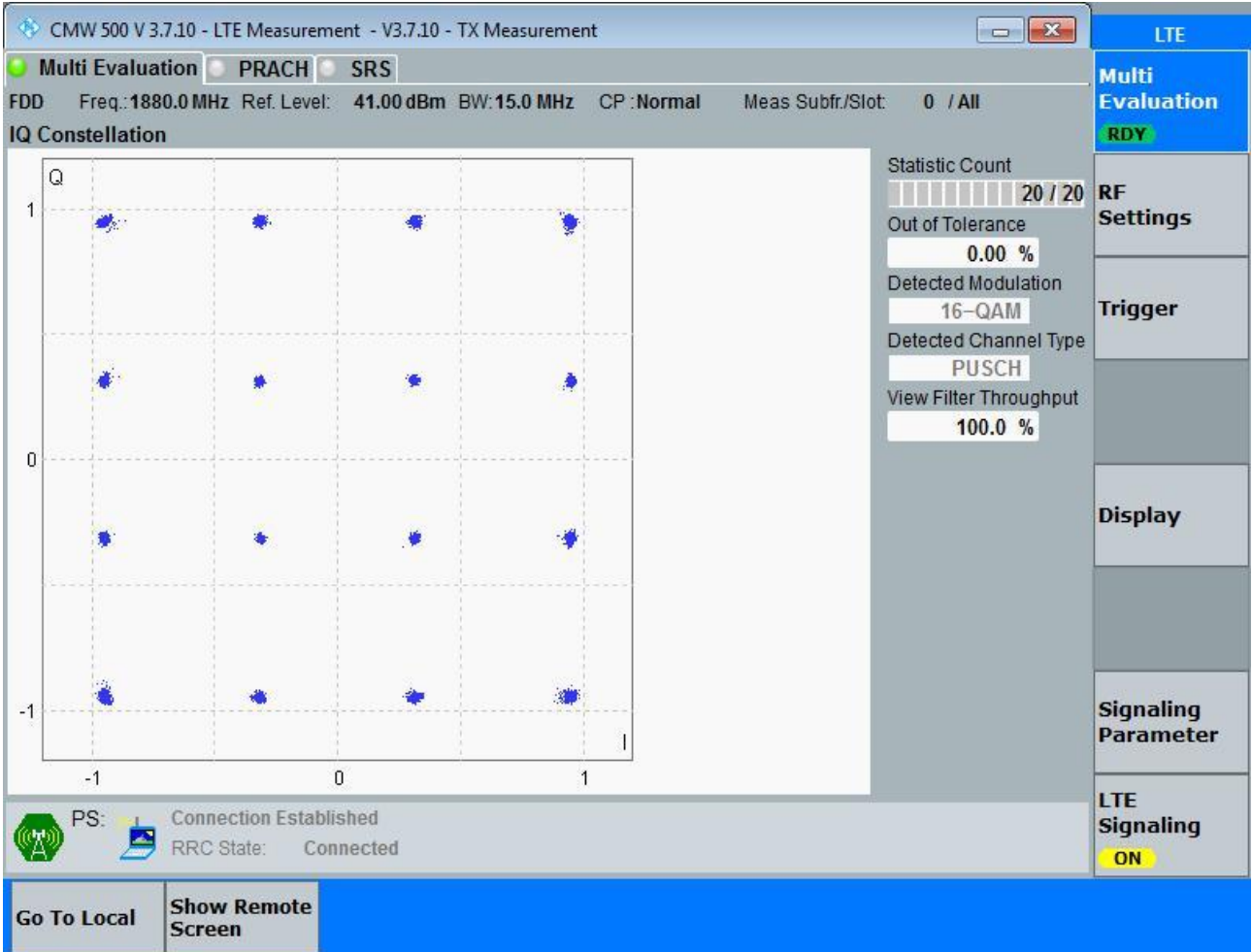




### 3.1.1.2.5 Test Bandwidth = 15

#### 3.1.1.2.5.1 Test Channel = MCH

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

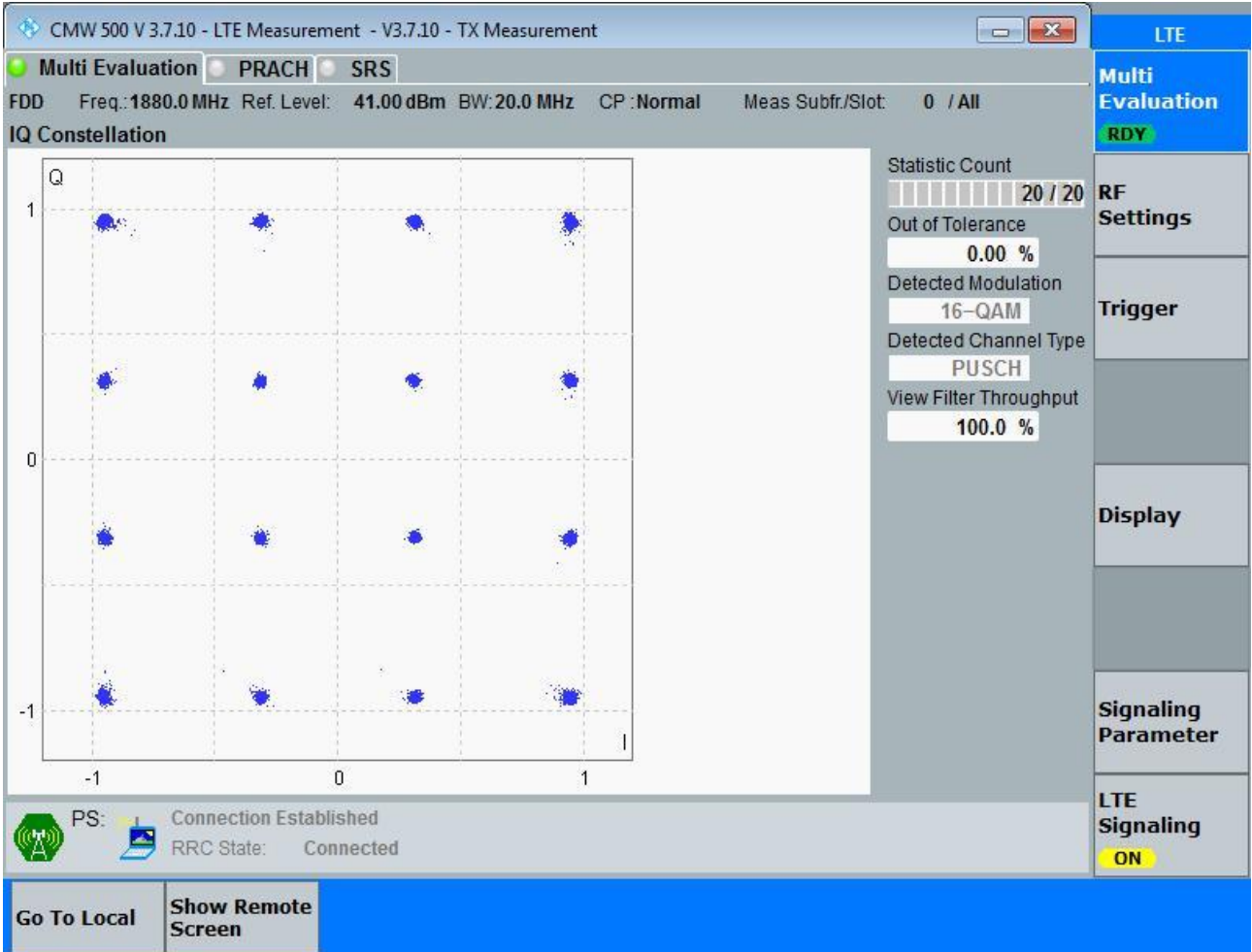




### 3.1.1.2.6 Test Bandwidth = 20

#### 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	1.24	Pass
			MCH	RB6#0	1.09	1.24	Pass
			HCH	RB6#0	1.09	1.24	Pass
		3	LCH	RB15#0	2.71	2.99	Pass
			MCH	RB15#0	2.70	2.97	Pass
			HCH	RB15#0	2.71	2.98	Pass
		5	LCH	RB25#0	4.50	4.93	Pass
			MCH	RB25#0	4.51	4.97	Pass
			HCH	RB25#0	4.50	4.96	Pass
		10	LCH	RB50#0	9.00	9.92	Pass
			MCH	RB50#0	9.02	9.93	Pass
			HCH	RB50#0	9.02	9.94	Pass
		15	LCH	RB75#0	13.51	14.95	Pass
			MCH	RB75#0	13.54	15.07	Pass
			HCH	RB75#0	13.57	15.02	Pass
		20	LCH	RB100#0	18.02	19.76	Pass
			MCH	RB100#0	18.07	19.67	Pass
			HCH	RB100#0	18.02	19.89	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.24	Pass
			MCH	RB6#0	1.10	1.25	Pass
			HCH	RB6#0	1.10	1.24	Pass
		3	LCH	RB15#0	2.71	2.98	Pass
			MCH	RB15#0	2.71	2.97	Pass
			HCH	RB15#0	2.71	2.99	Pass
		5	LCH	RB25#0	4.51	4.95	Pass
			MCH	RB25#0	4.51	4.94	Pass
			HCH	RB25#0	4.50	4.94	Pass
10		LCH	RB50#0	9.01	9.87	Pass	
		MCH	RB50#0	9.04	9.98	Pass	
		HCH	RB50#0	9.02	9.92	Pass	
15		LCH	RB75#0	13.52	15.11	Pass	
		MCH	RB75#0	13.54	14.86	Pass	
		HCH	RB75#0	13.54	14.94	Pass	
20		LCH	RB100#0	18.06	19.78	Pass	



Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
			MCH	RB100#0	18.05	19.70	Pass
			HCH	RB100#0	18.05	19.76	Pass



Part II - Test Plots

4.1 For LTE

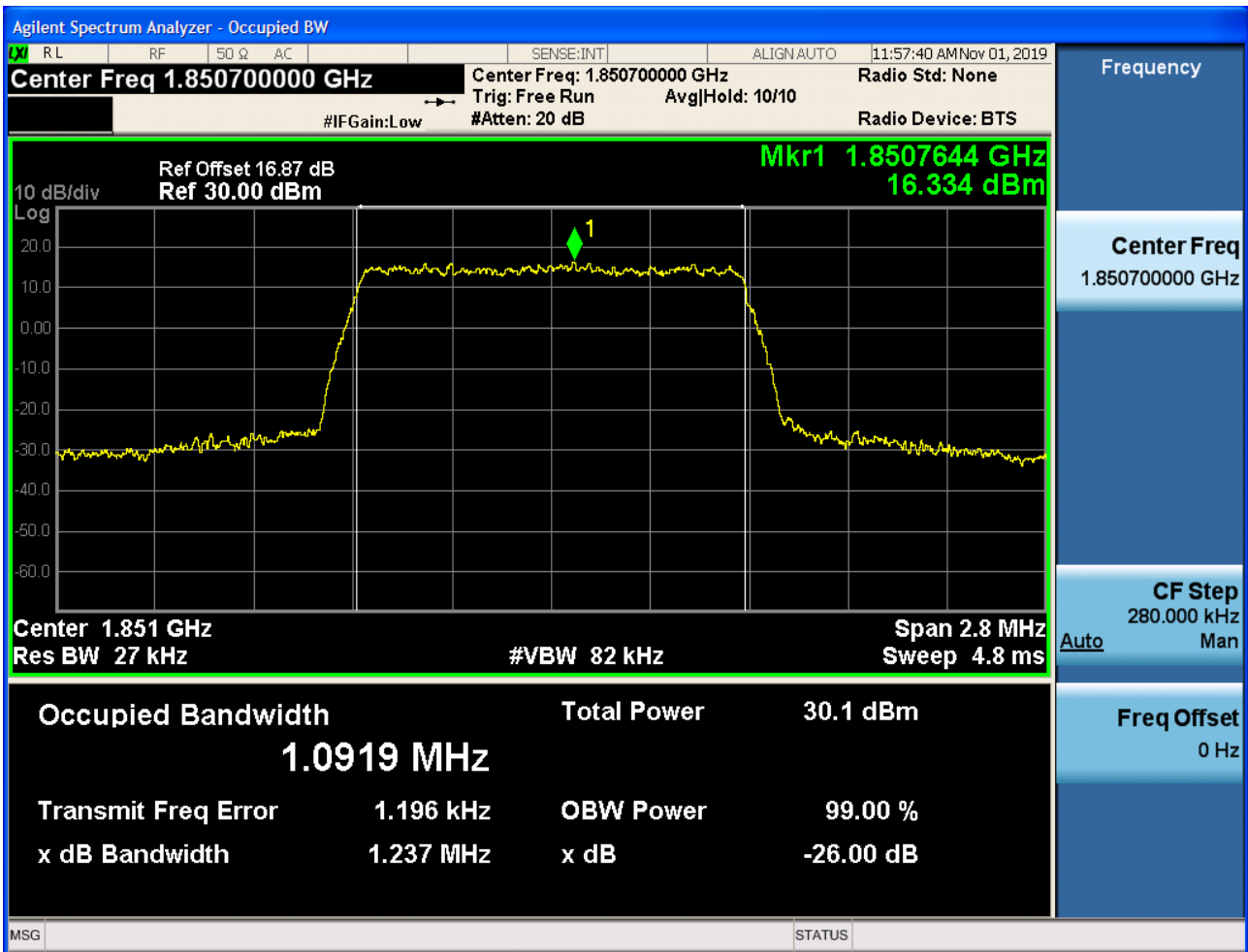
4.1.1 Test Band = Band2

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 Test RB = RB6#0

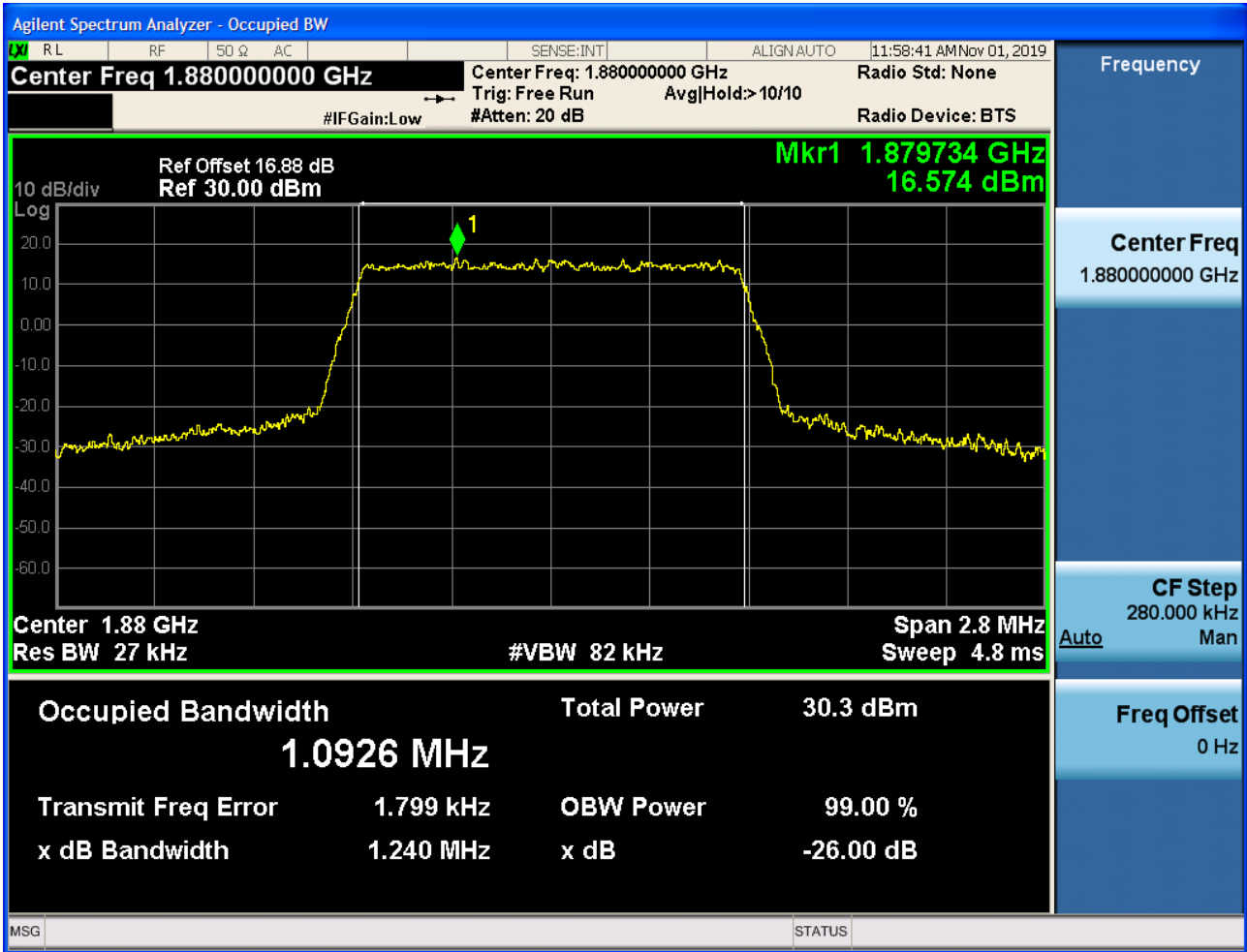






4.1.1.1.1.2 Test Channel = MCH

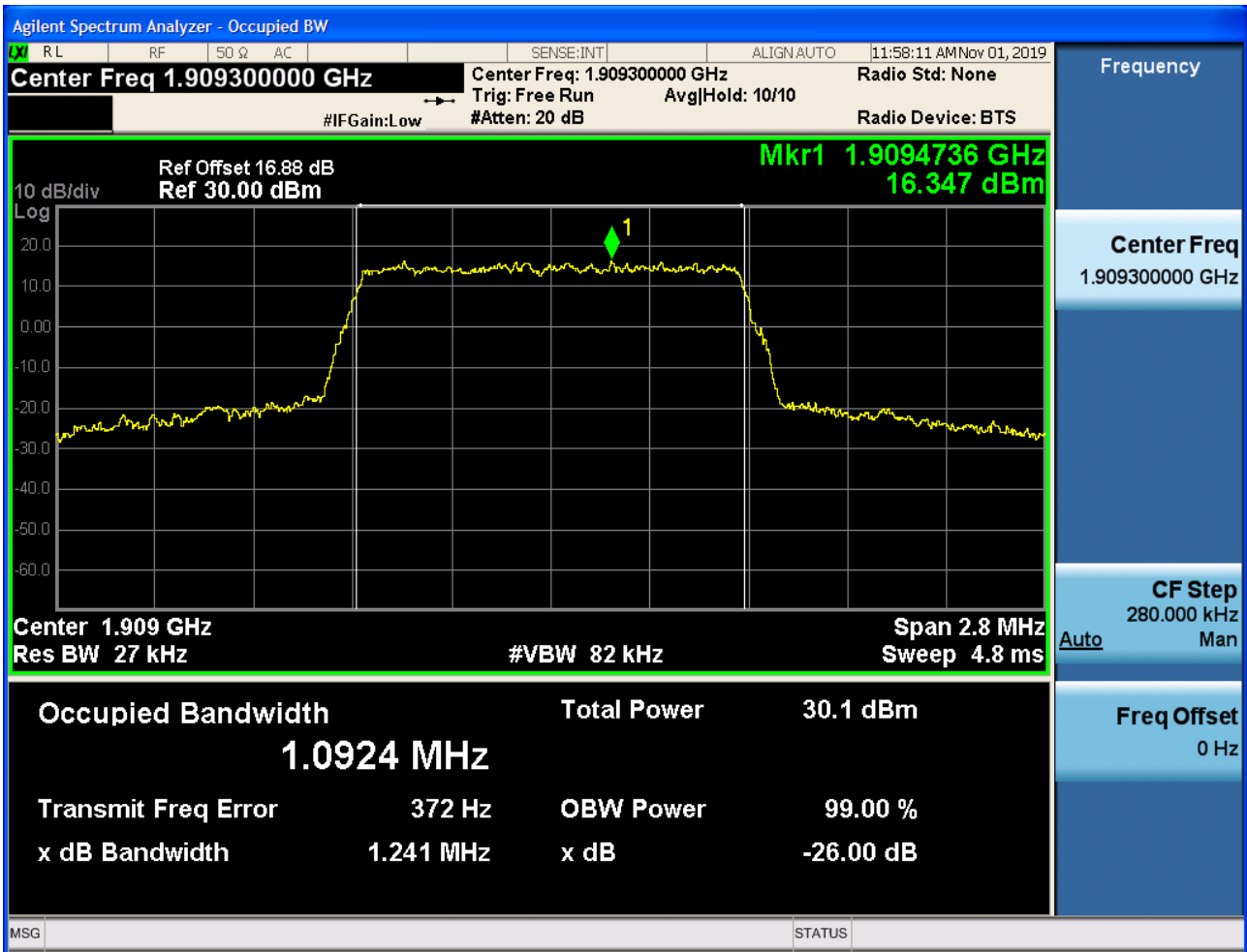
4.1.1.1.1.2.1 Test RB = RB6#0





### 4.1.1.1.3 Test Channel = HCH

#### 4.1.1.1.3.1 Test RB = RB6#0

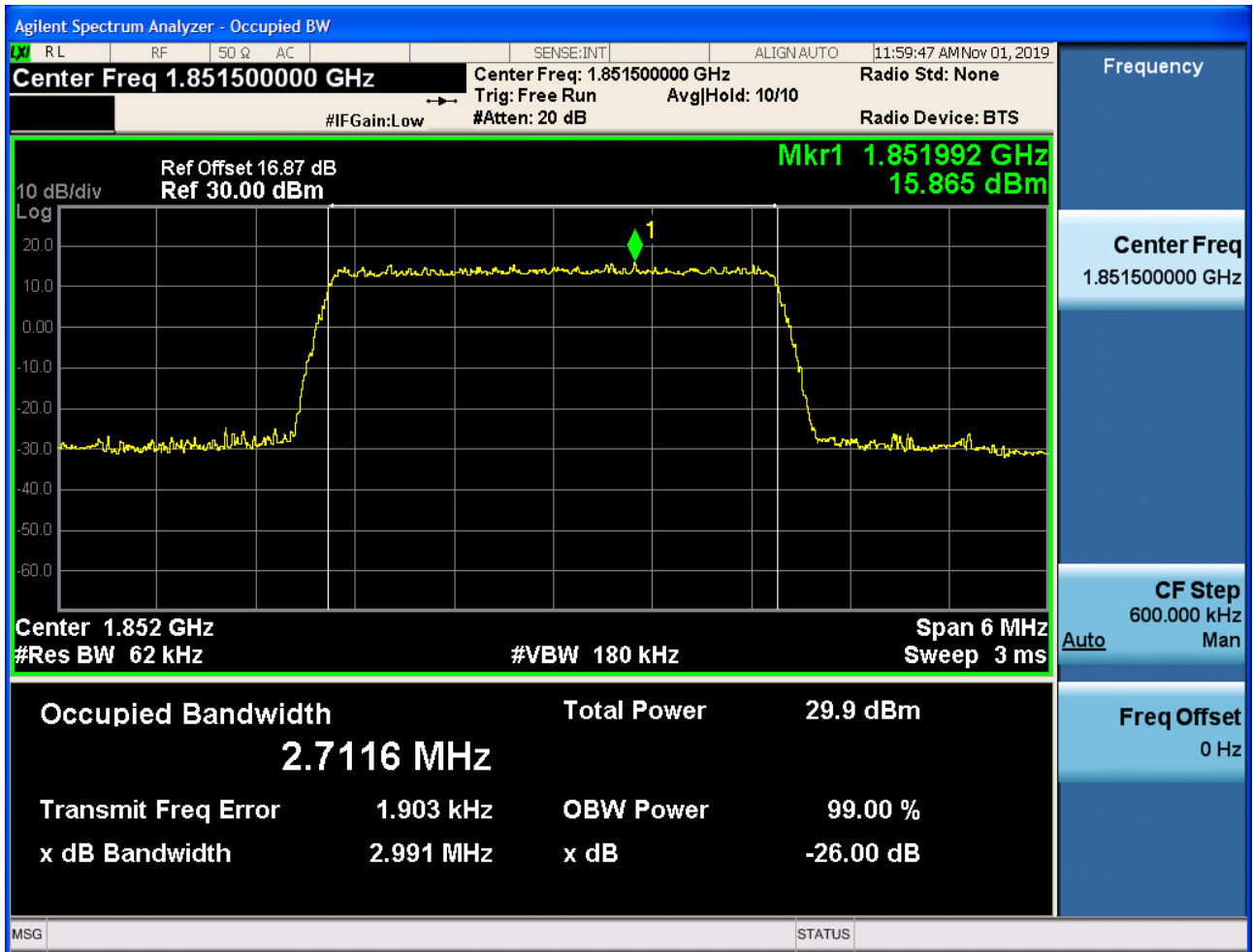




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

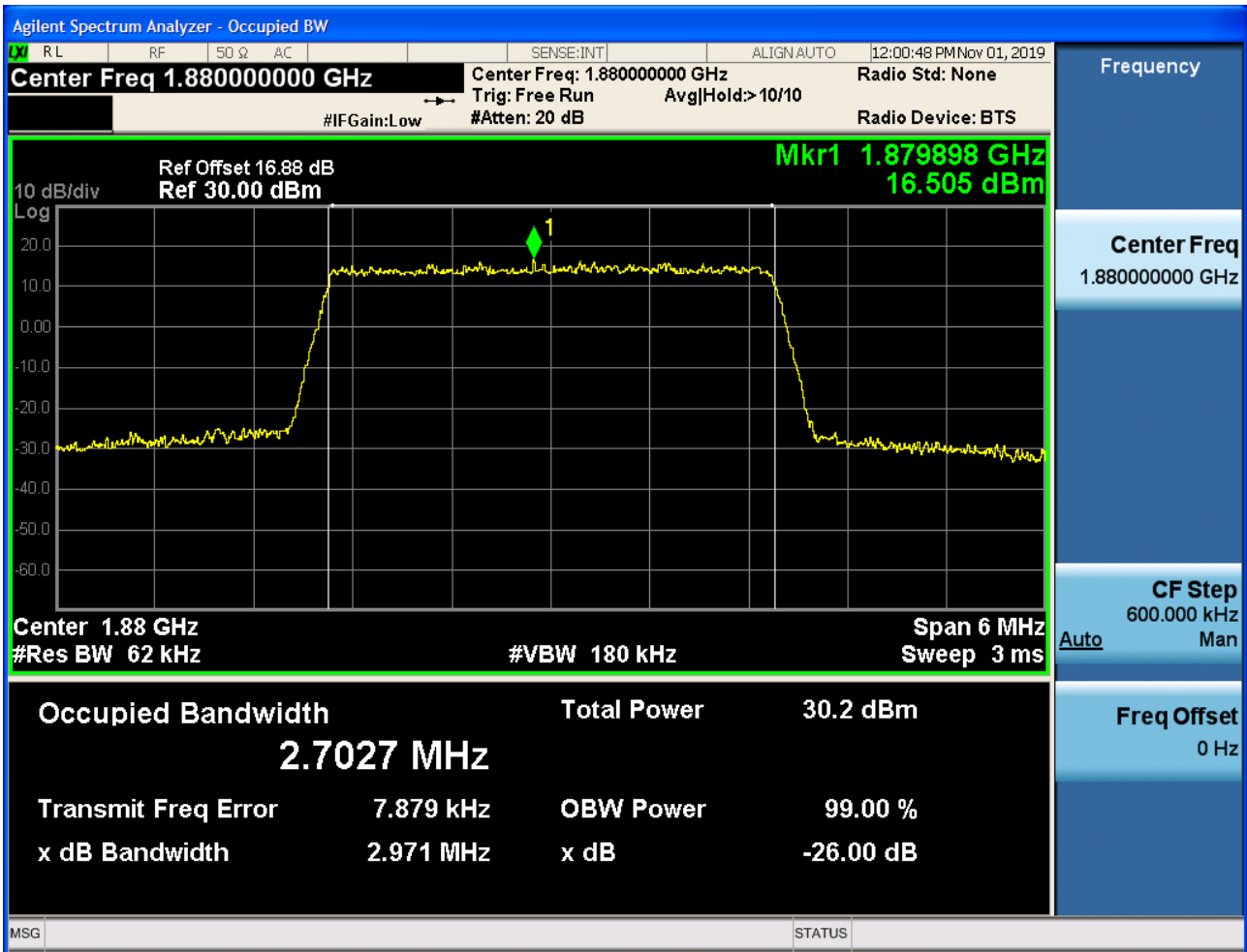
4.1.1.1.2.1.1 Test RB = RB15#0





4.1.1.1.2.2 Test Channel = MCH

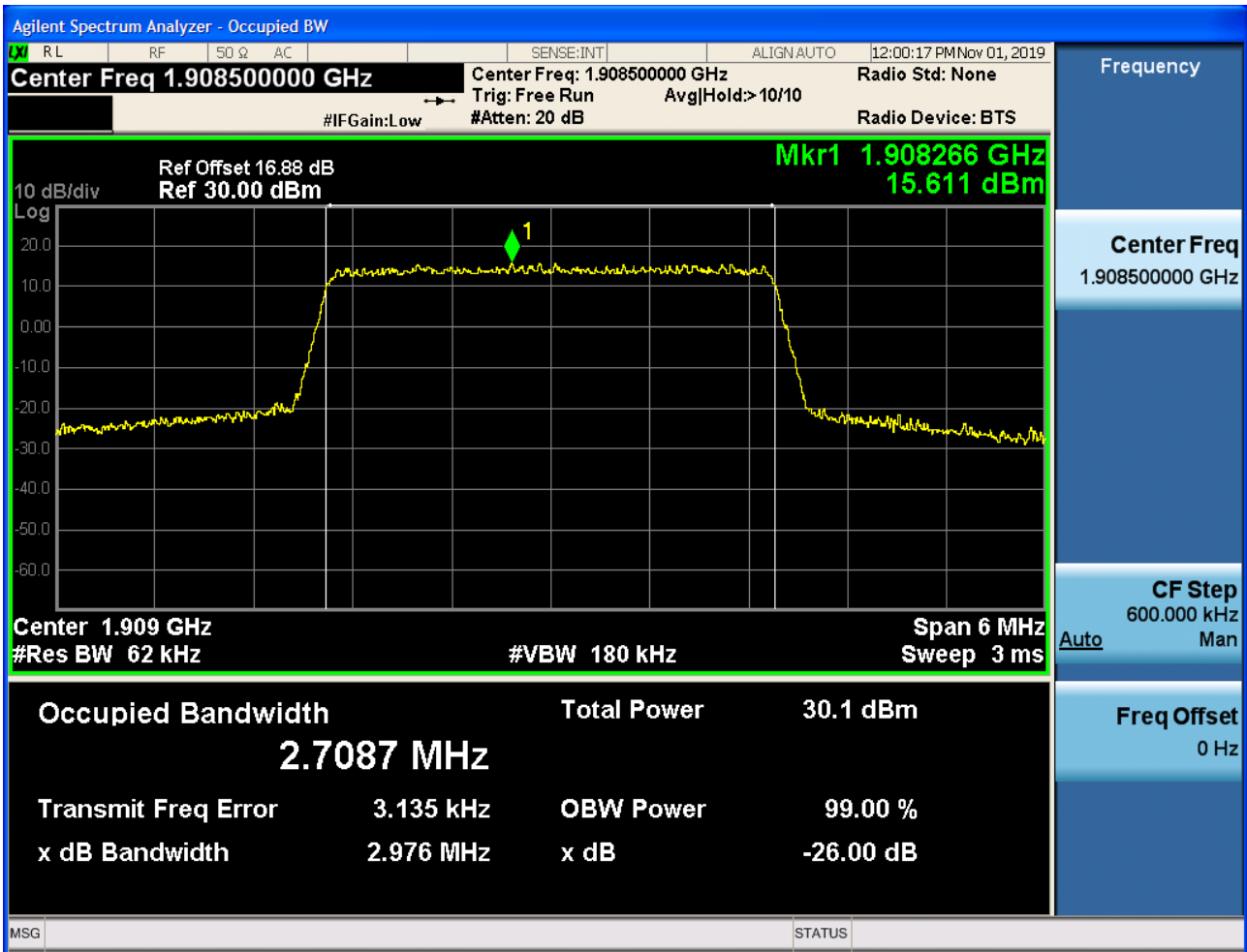
4.1.1.1.2.2.1 Test RB = RB15#0





4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB15#0

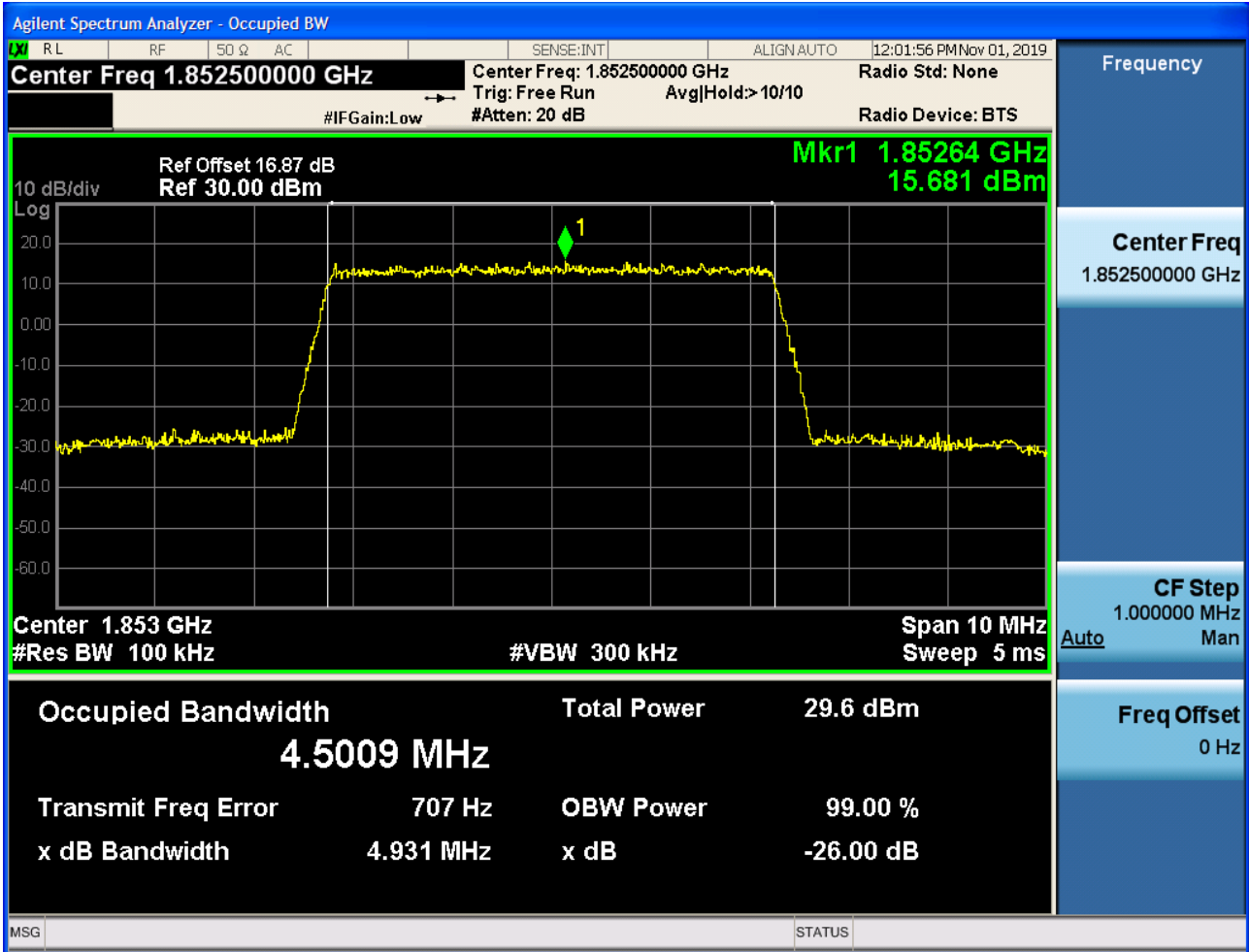




4.1.1.1.3 Test Bandwidth = 5

4.1.1.1.3.1 Test Channel = LCH

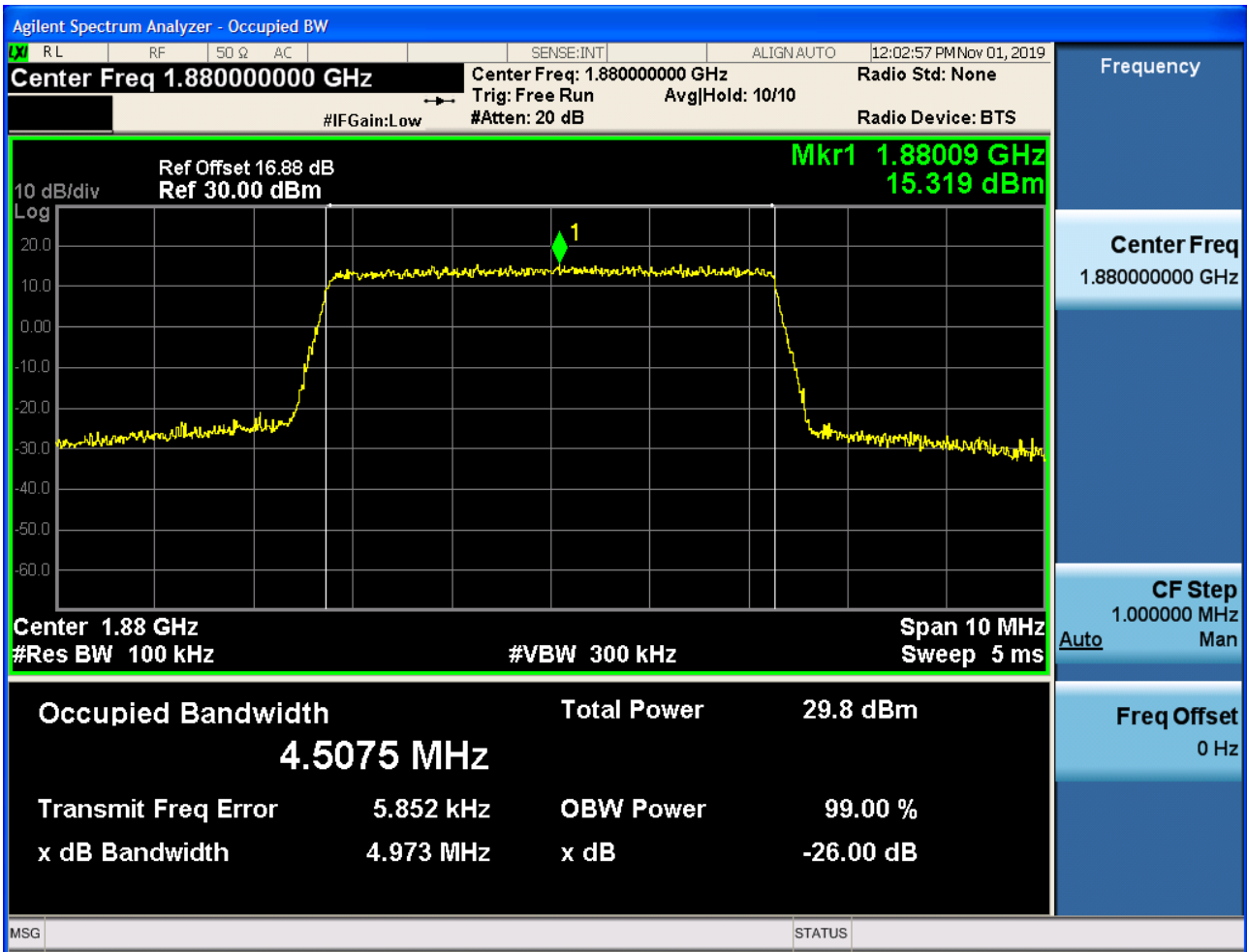
4.1.1.1.3.1.1 Test RB = RB25#0





4.1.1.1.3.2 Test Channel = MCH

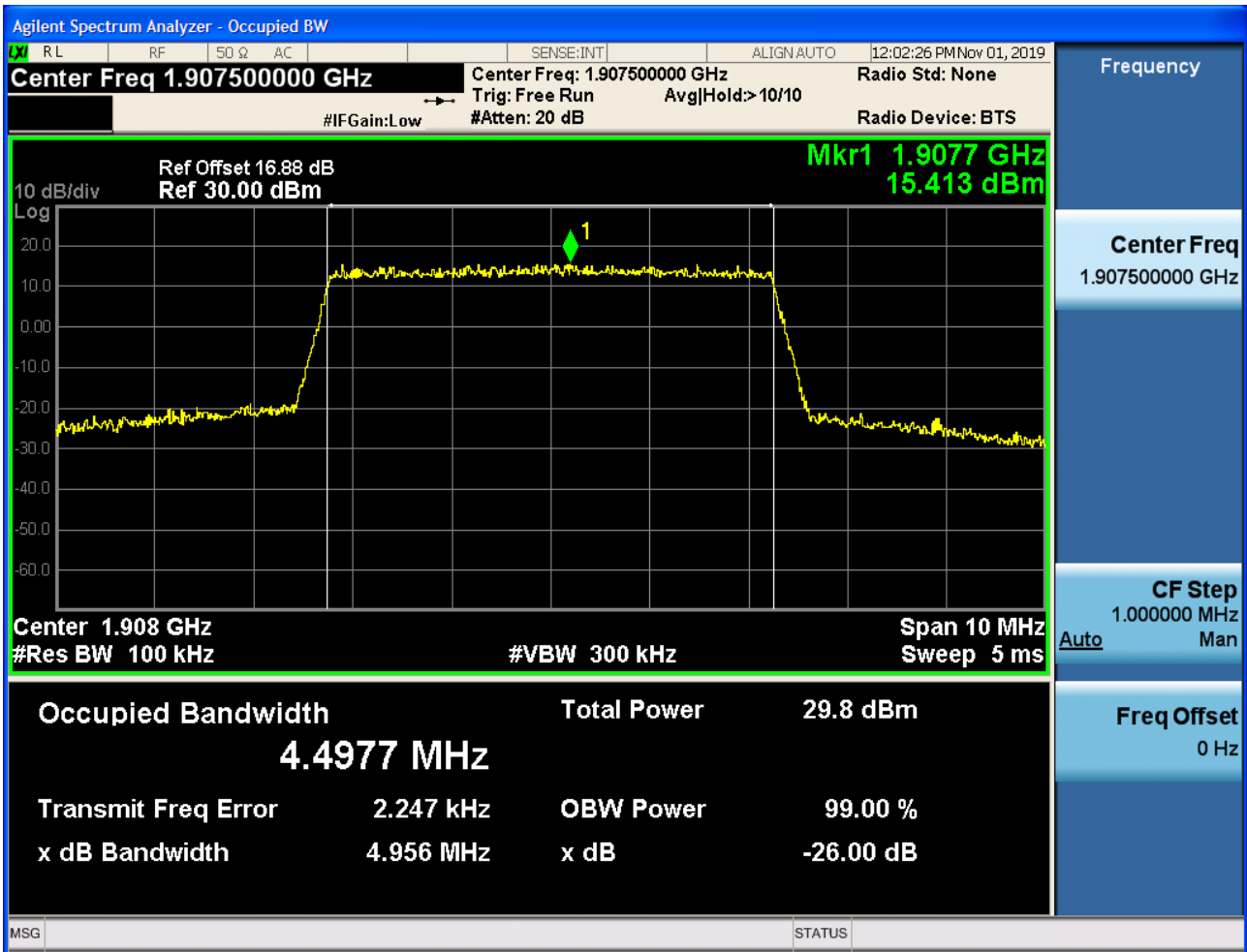
4.1.1.1.3.2.1 Test RB = RB25#0





### 4.1.1.1.3.3 Test Channel = HCH

#### 4.1.1.1.3.3.1 Test RB = RB25#0



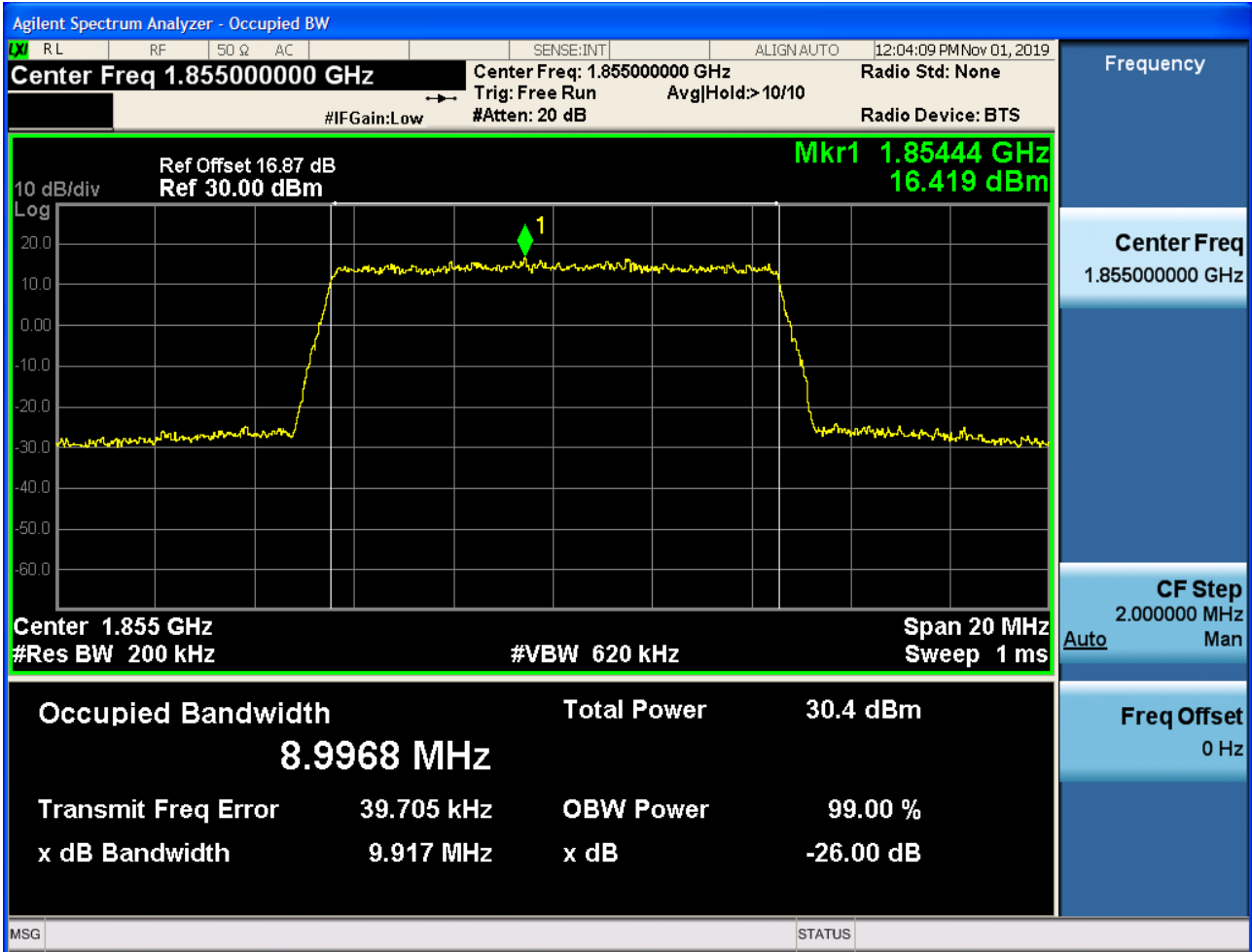




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

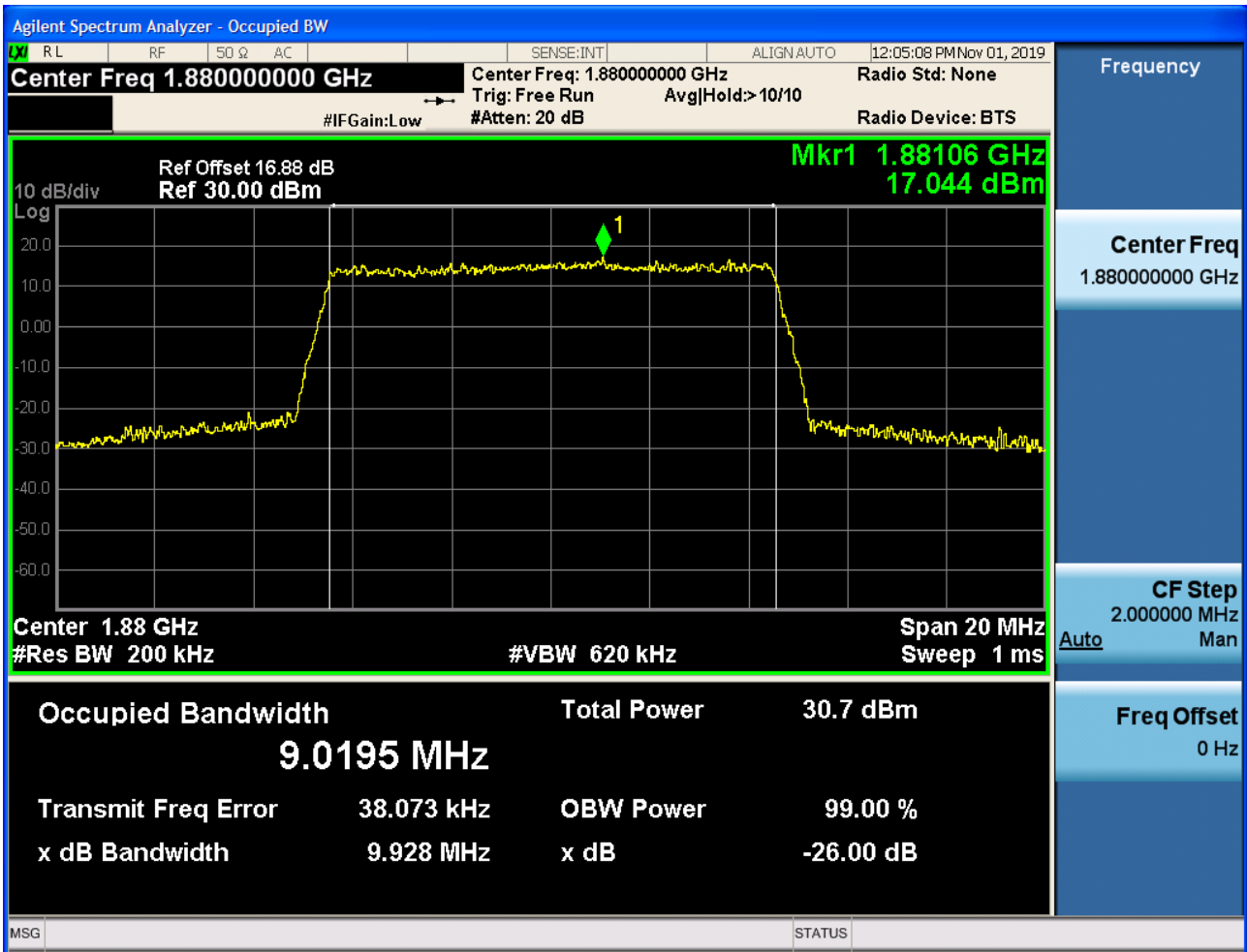
4.1.1.1.4.1.1 Test RB = RB50#0





### 4.1.1.1.4.2 Test Channel = MCH

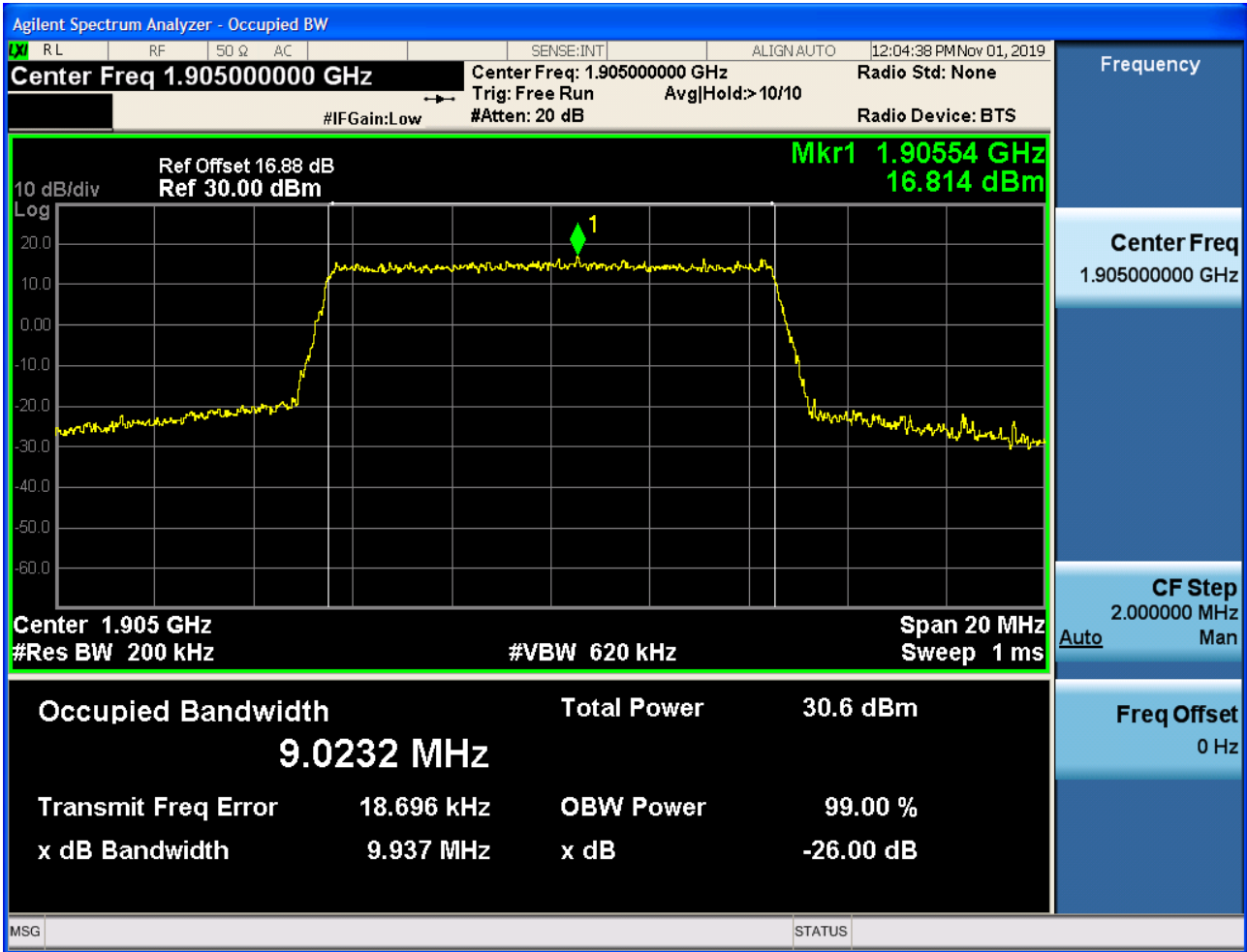
#### 4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0

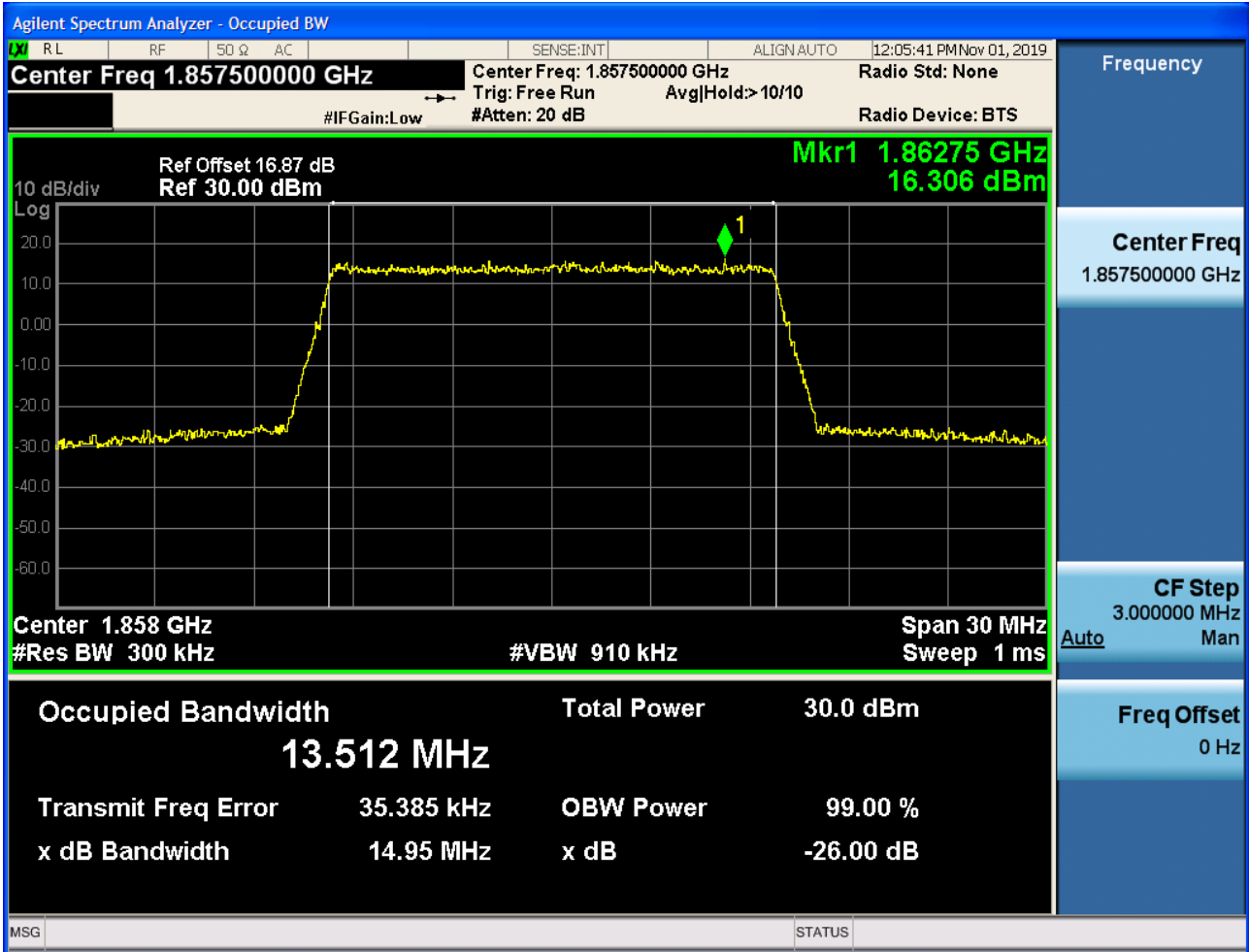




4.1.1.1.5 Test Bandwidth = 15

4.1.1.1.5.1 Test Channel = LCH

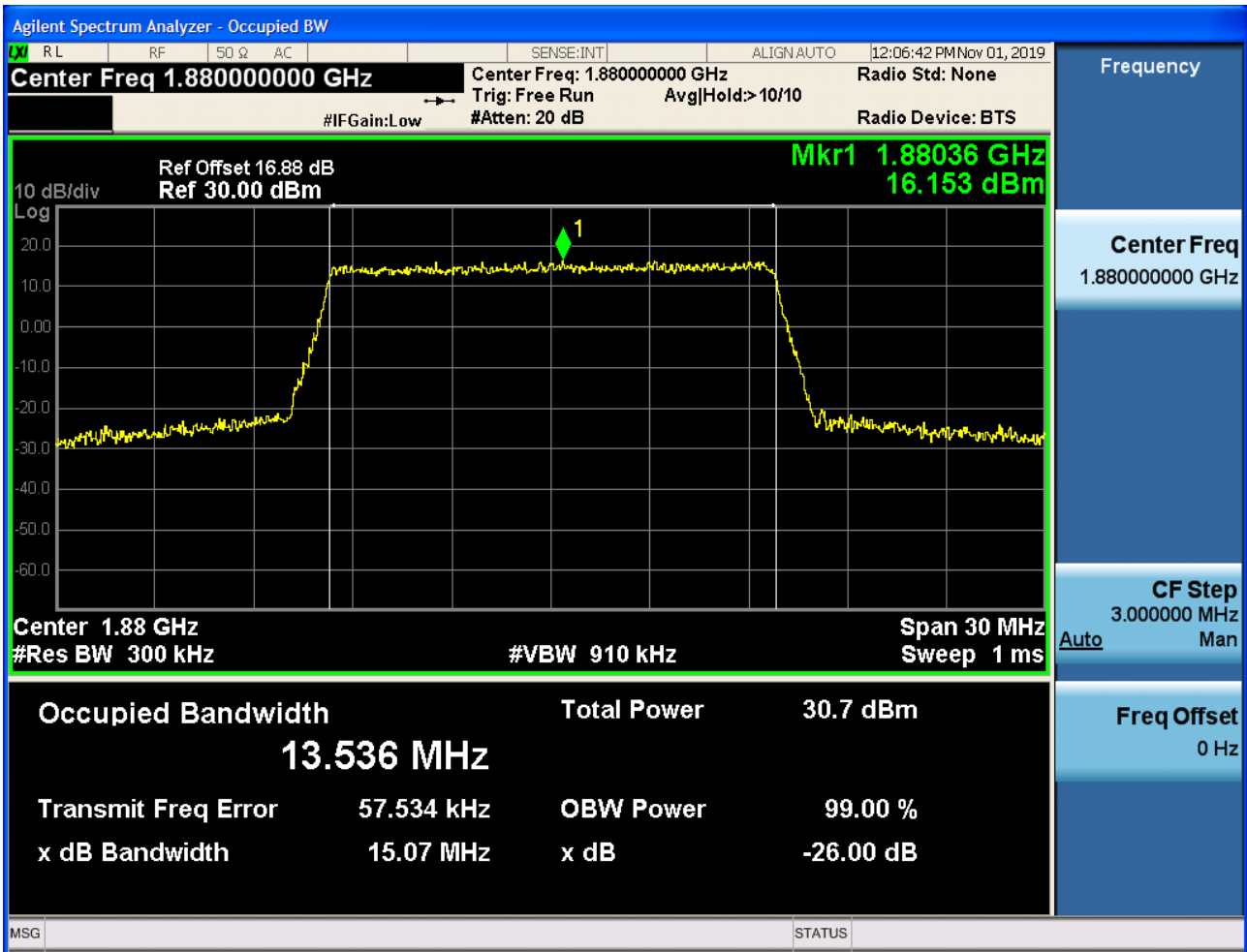
4.1.1.1.5.1.1 Test RB = RB75#0





4.1.1.1.5.2 Test Channel = MCH

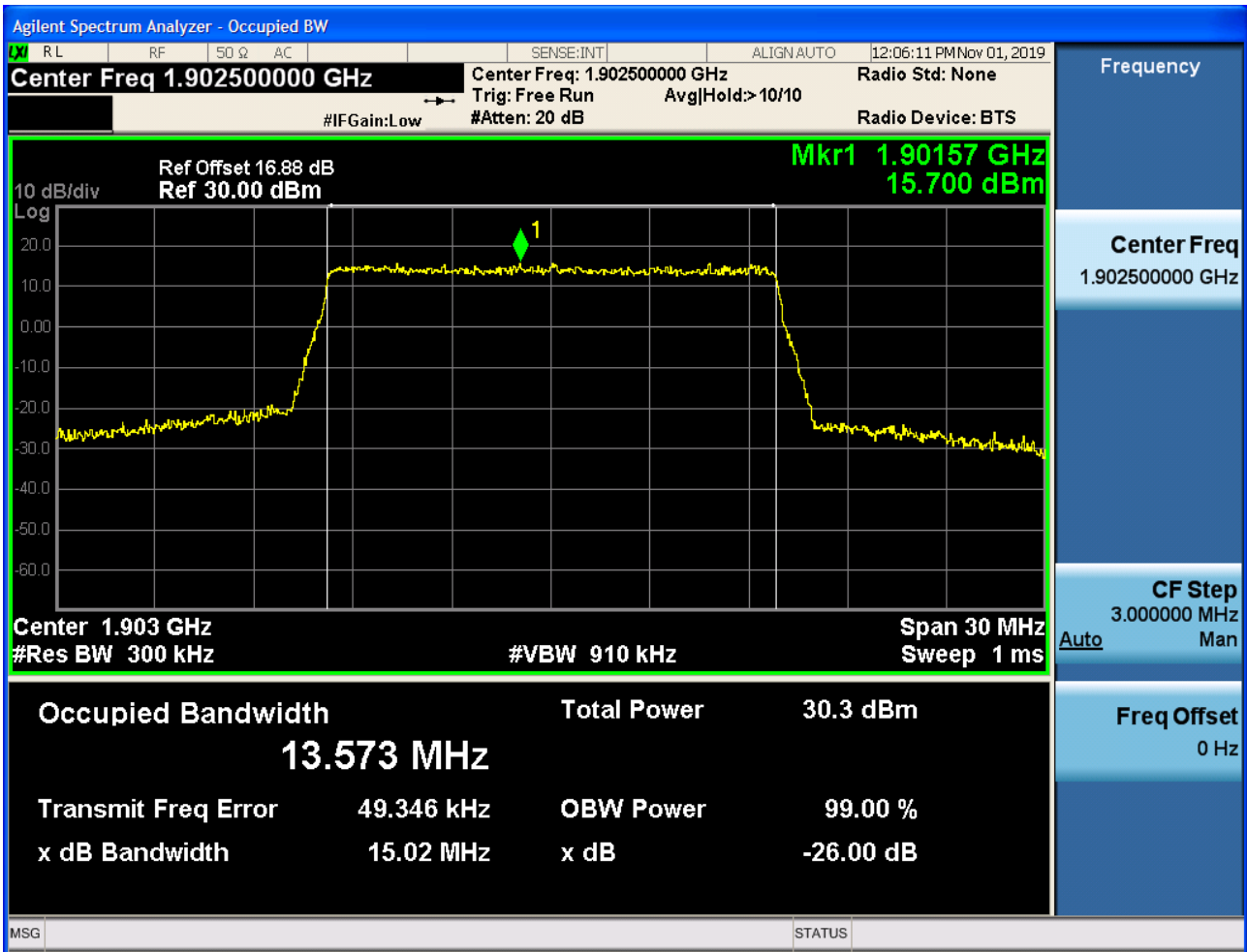
4.1.1.1.5.2.1 Test RB = RB75#0





### 4.1.1.1.5.3 Test Channel = HCH

#### 4.1.1.1.5.3.1 Test RB = RB75#0

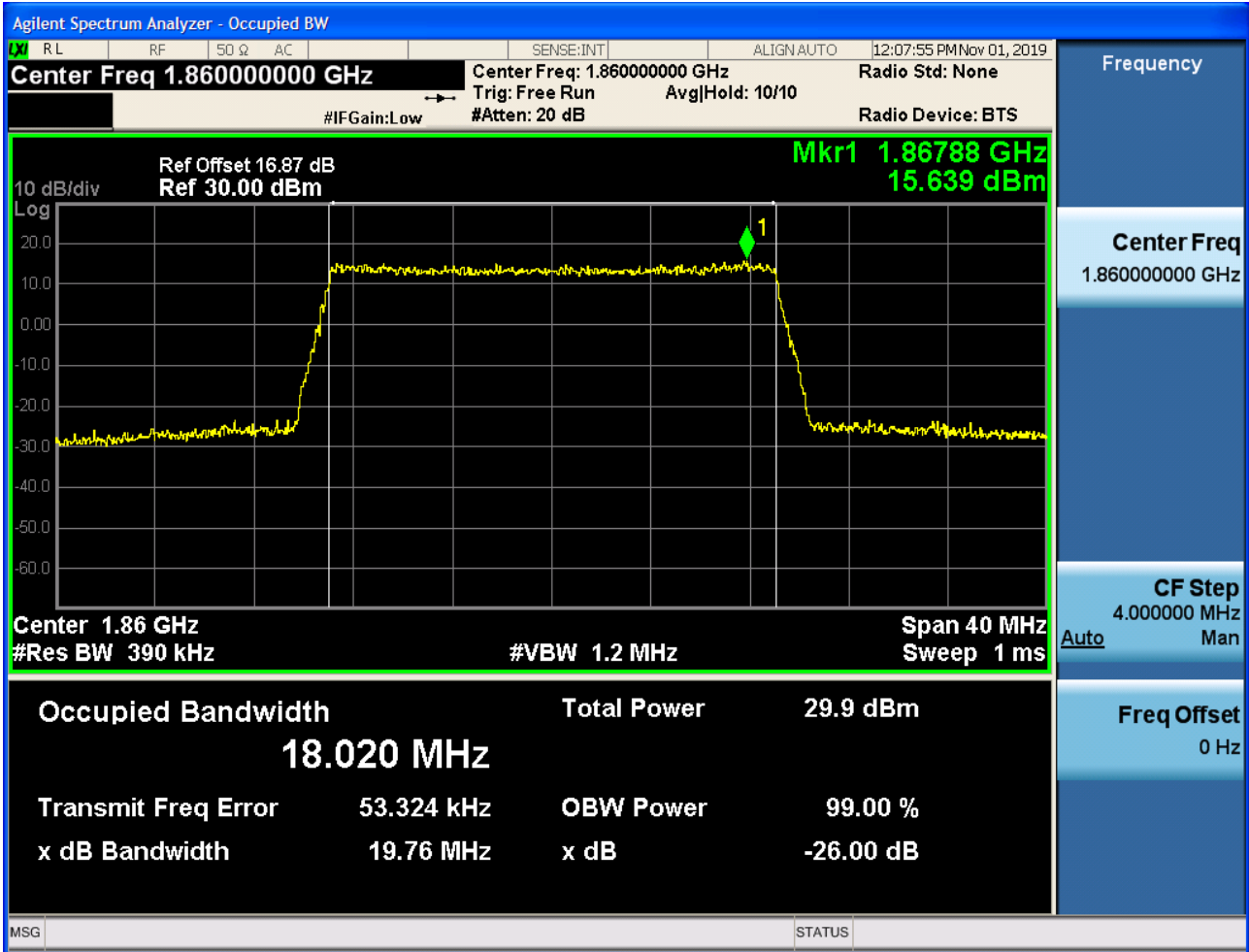




4.1.1.1.6 Test Bandwidth = 20

4.1.1.1.6.1 Test Channel = LCH

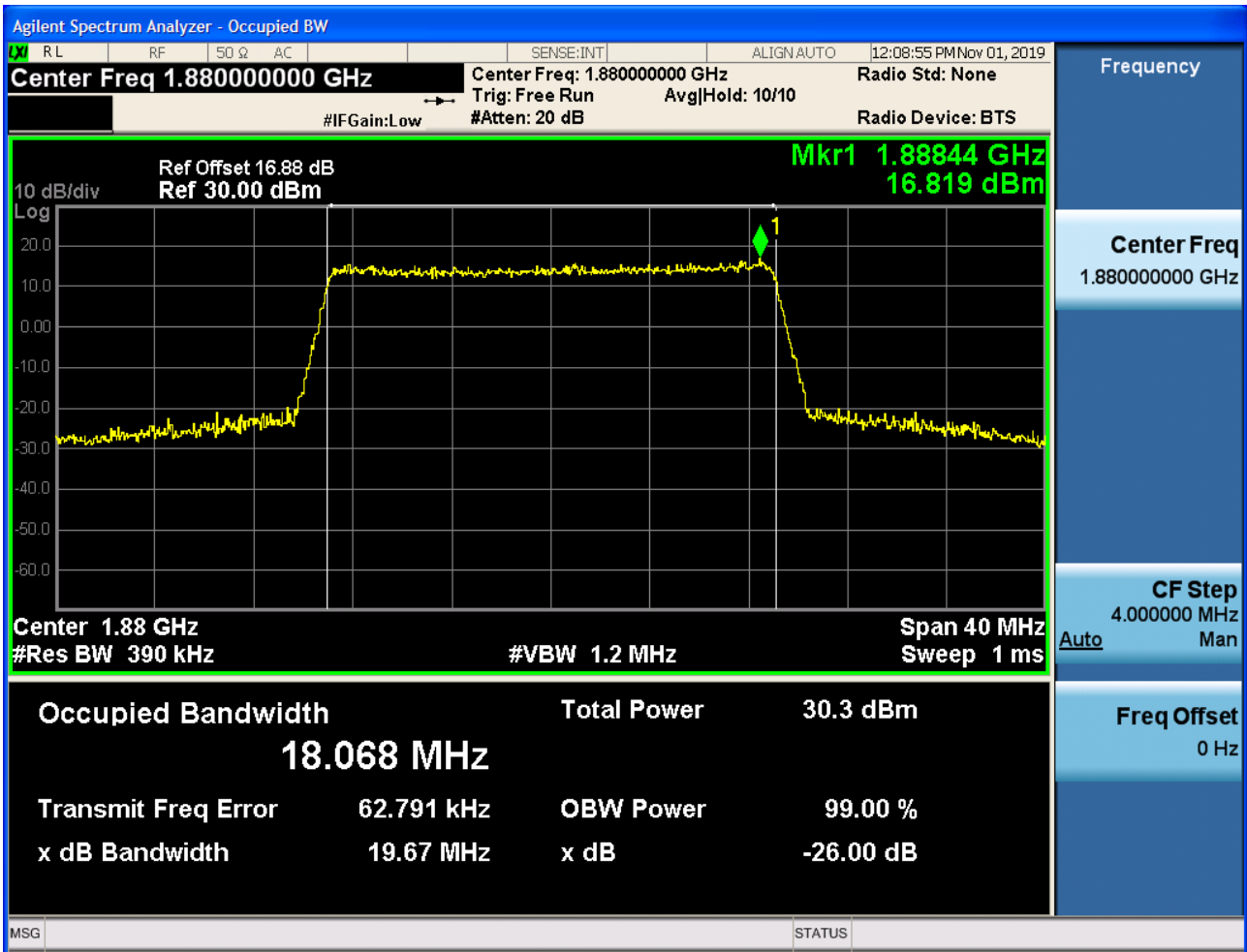
4.1.1.1.6.1.1 Test RB = RB100#0





4.1.1.1.6.2 Test Channel = MCH

4.1.1.1.6.2.1 Test RB = RB100#0

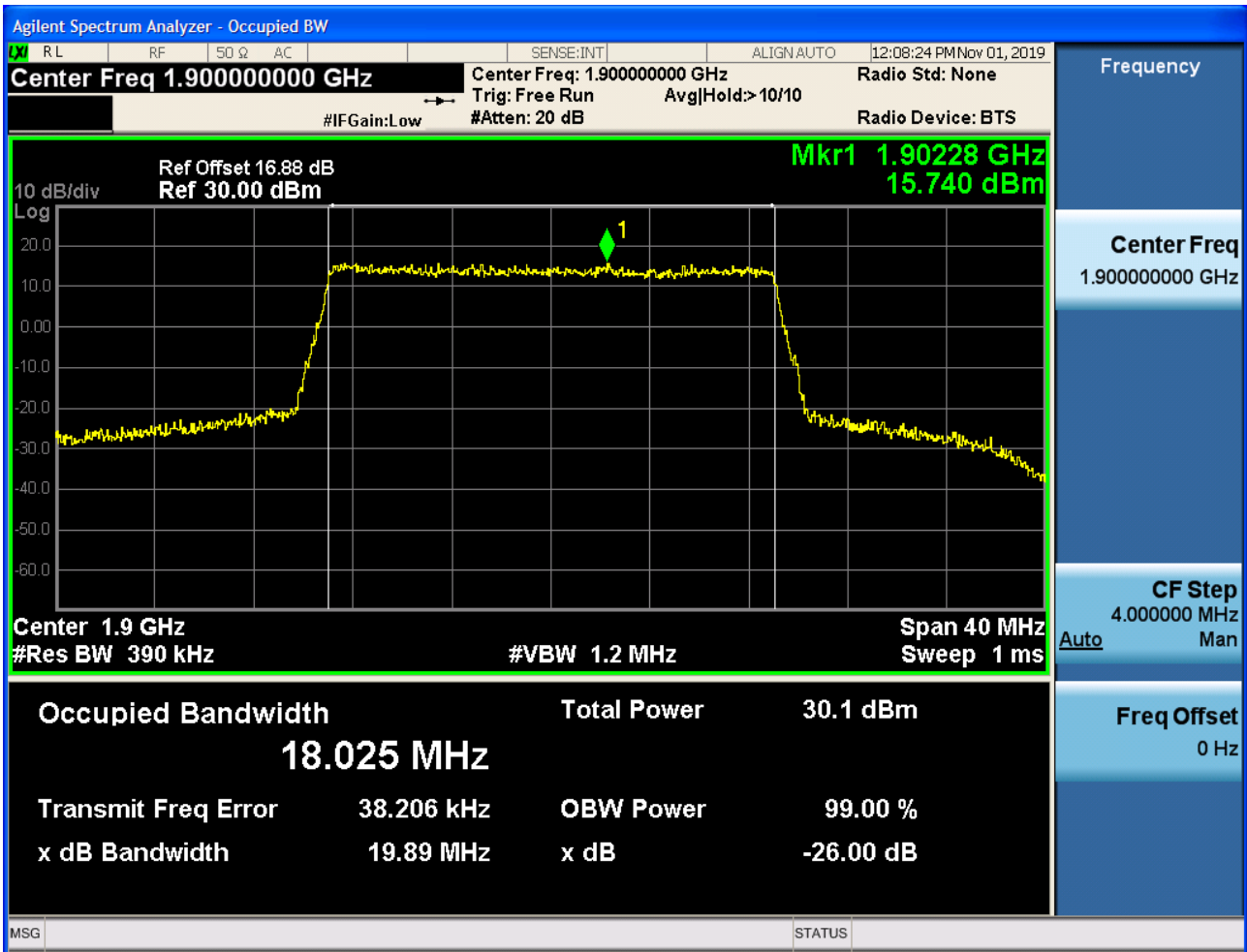






### 4.1.1.1.6.3 Test Channel = HCH

#### 4.1.1.1.6.3.1 Test RB = RB100#0



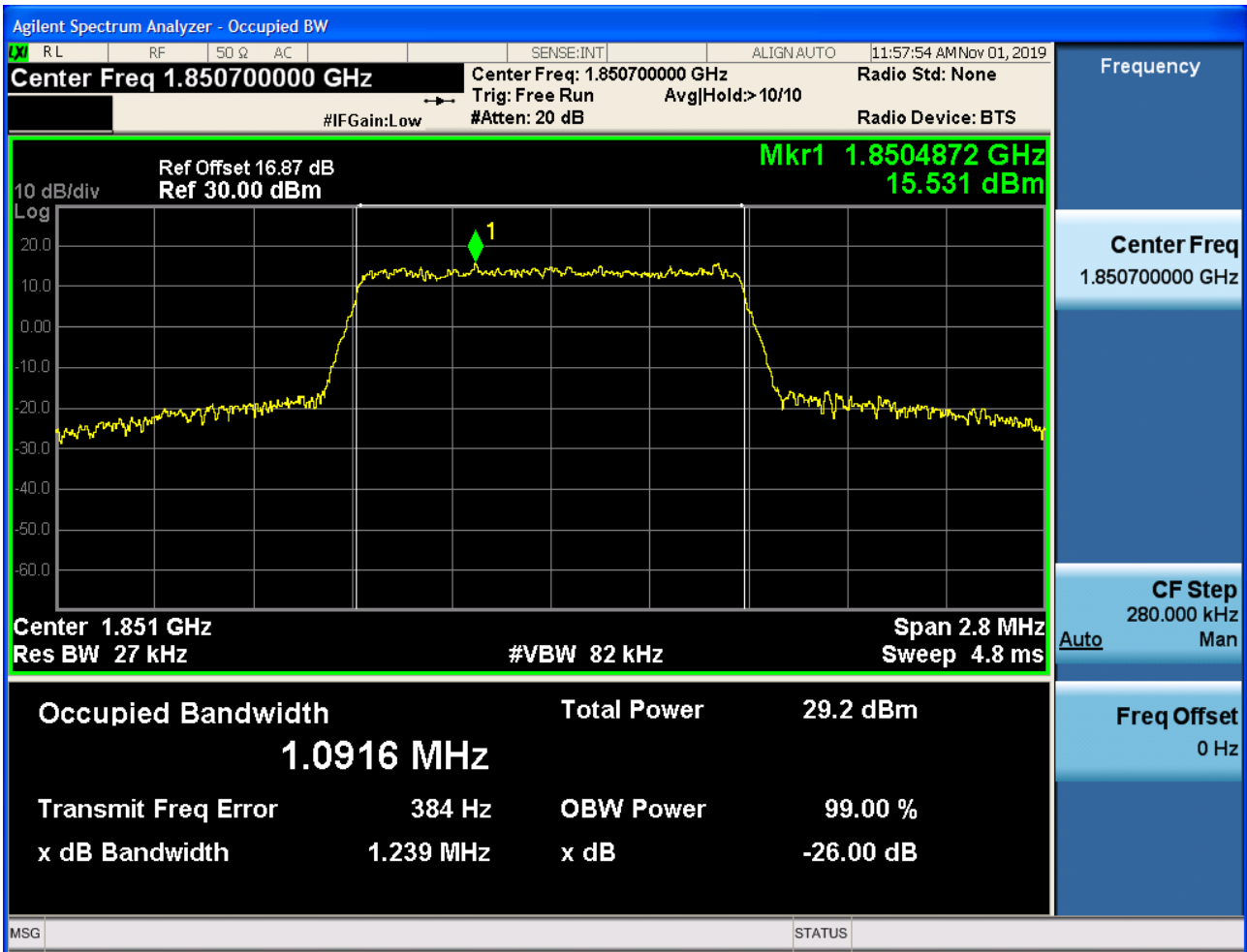


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

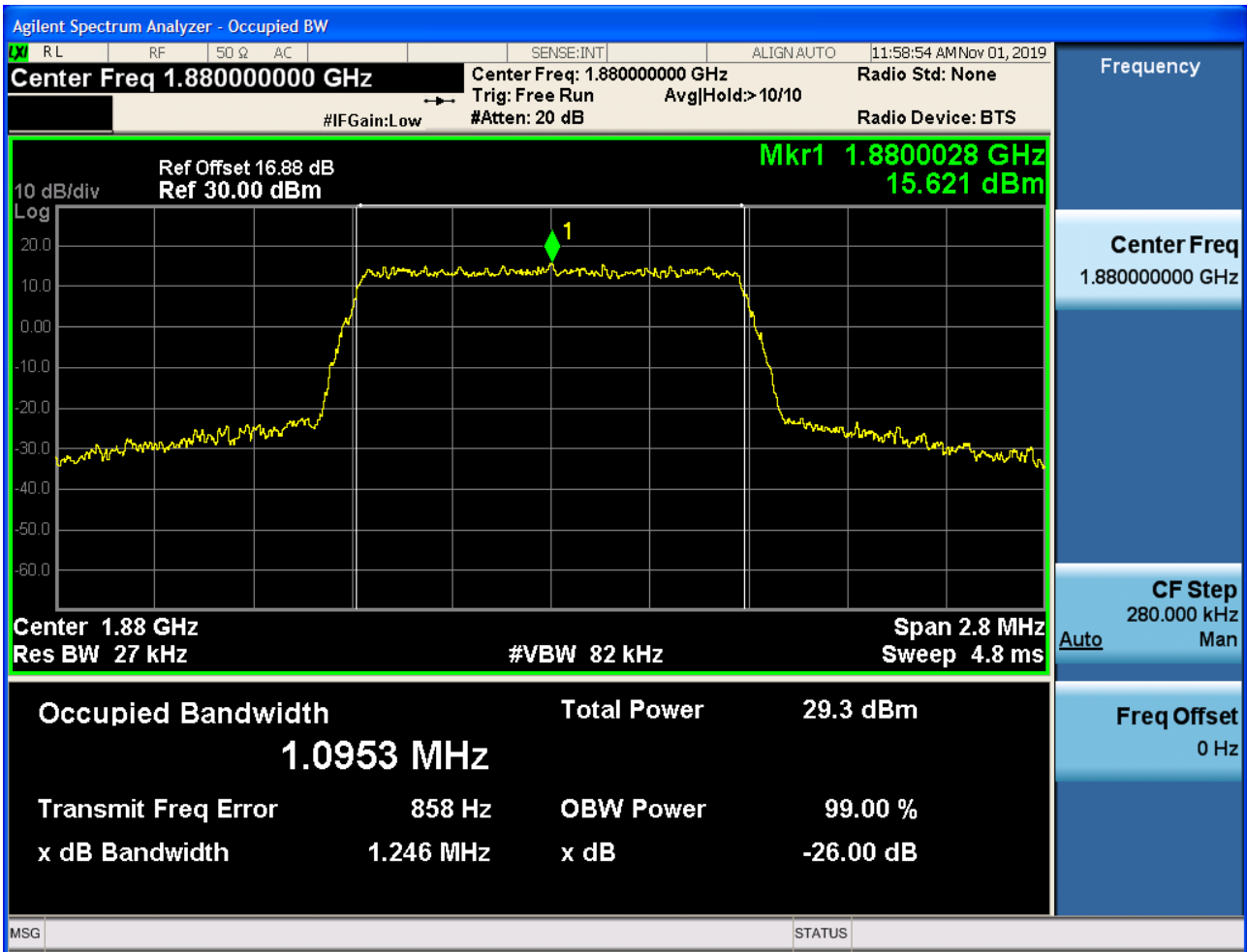
4.1.1.2.1.1.1 Test RB = RB6#0





### 4.1.1.2.1.2 Test Channel = MCH

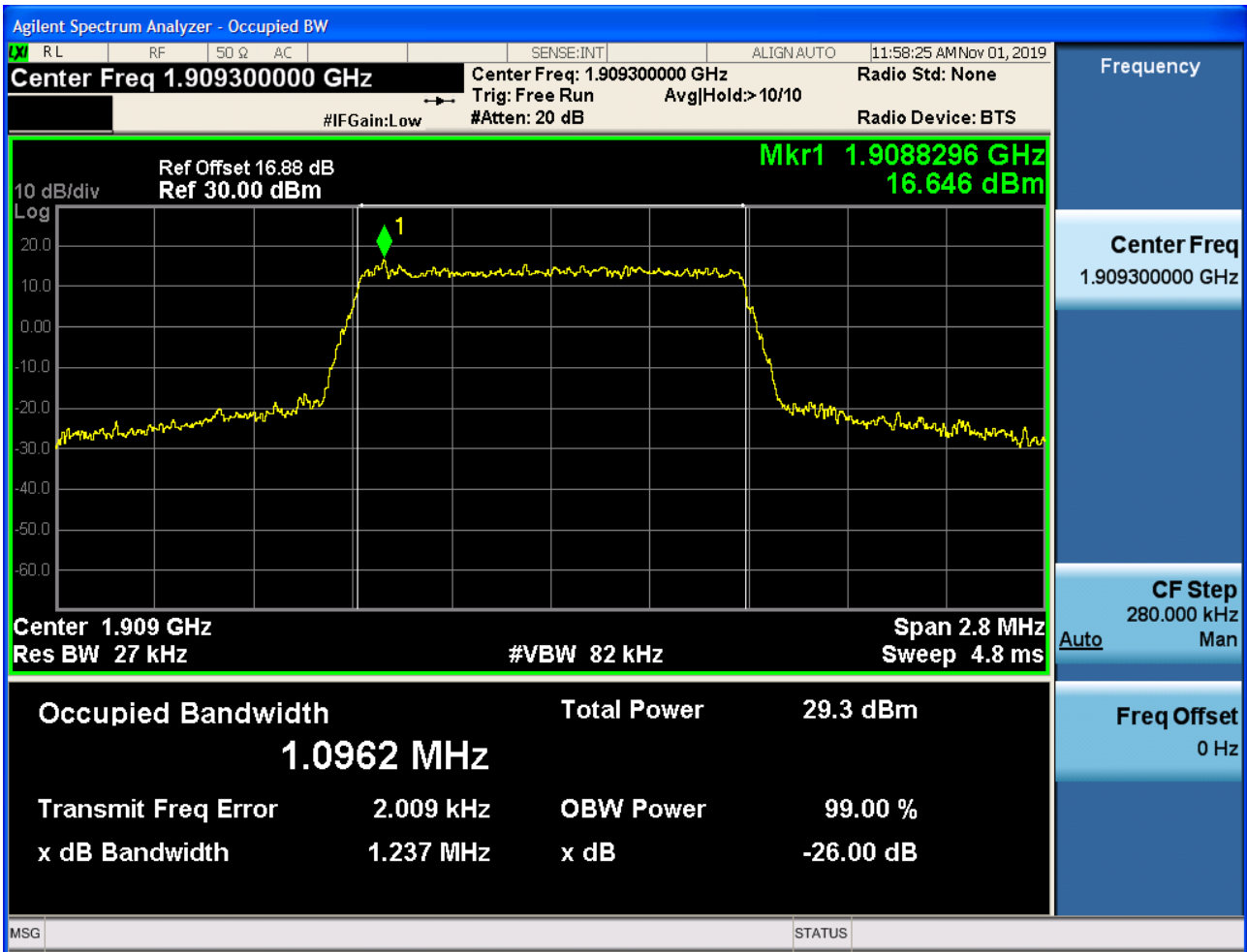
#### 4.1.1.2.1.2.1 Test RB = RB6#0





### 4.1.1.2.1.3 Test Channel = HCH

#### 4.1.1.2.1.3.1 Test RB = RB6#0

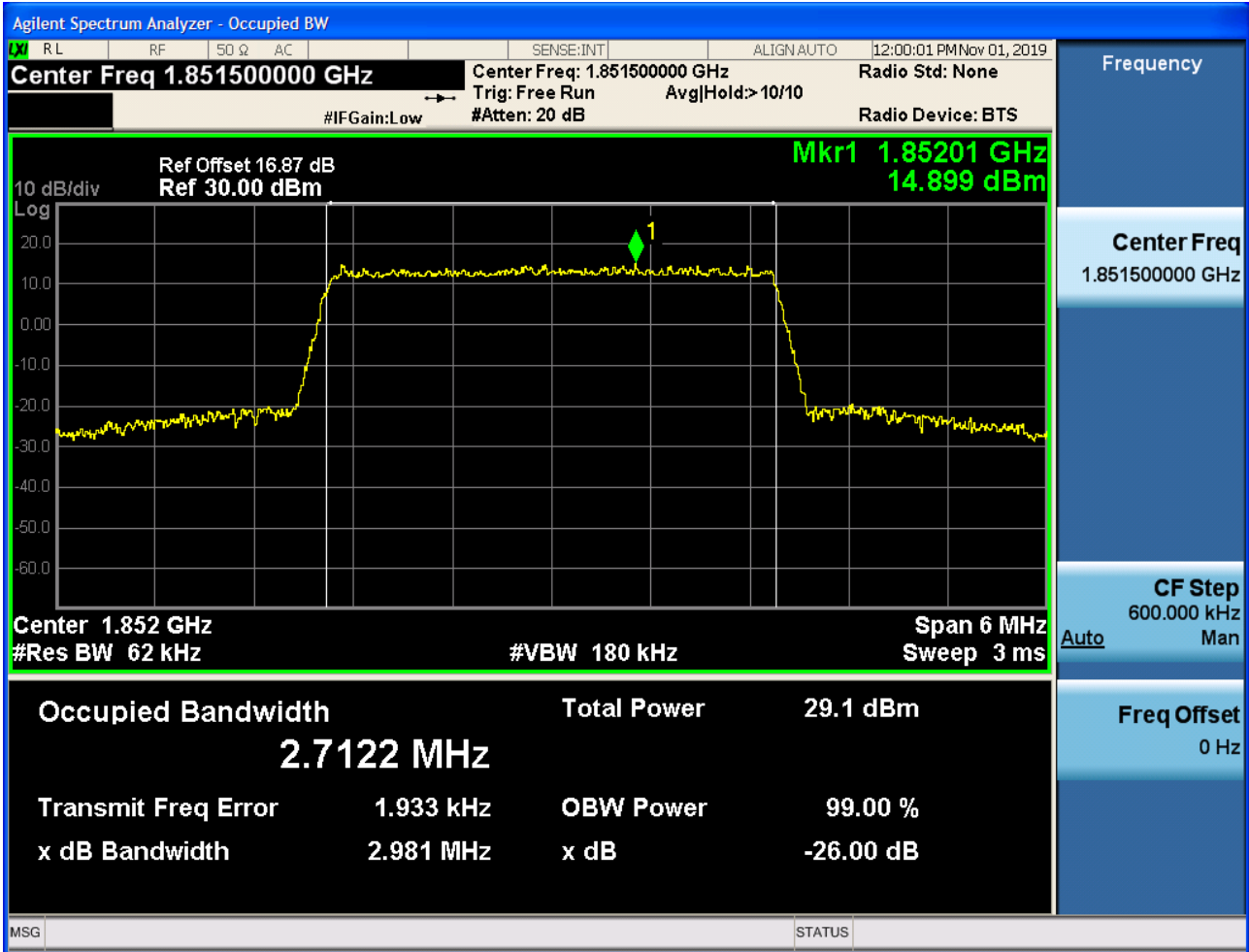




4.1.1.2.2 Test Bandwidth = 3

4.1.1.2.2.1 Test Channel = LCH

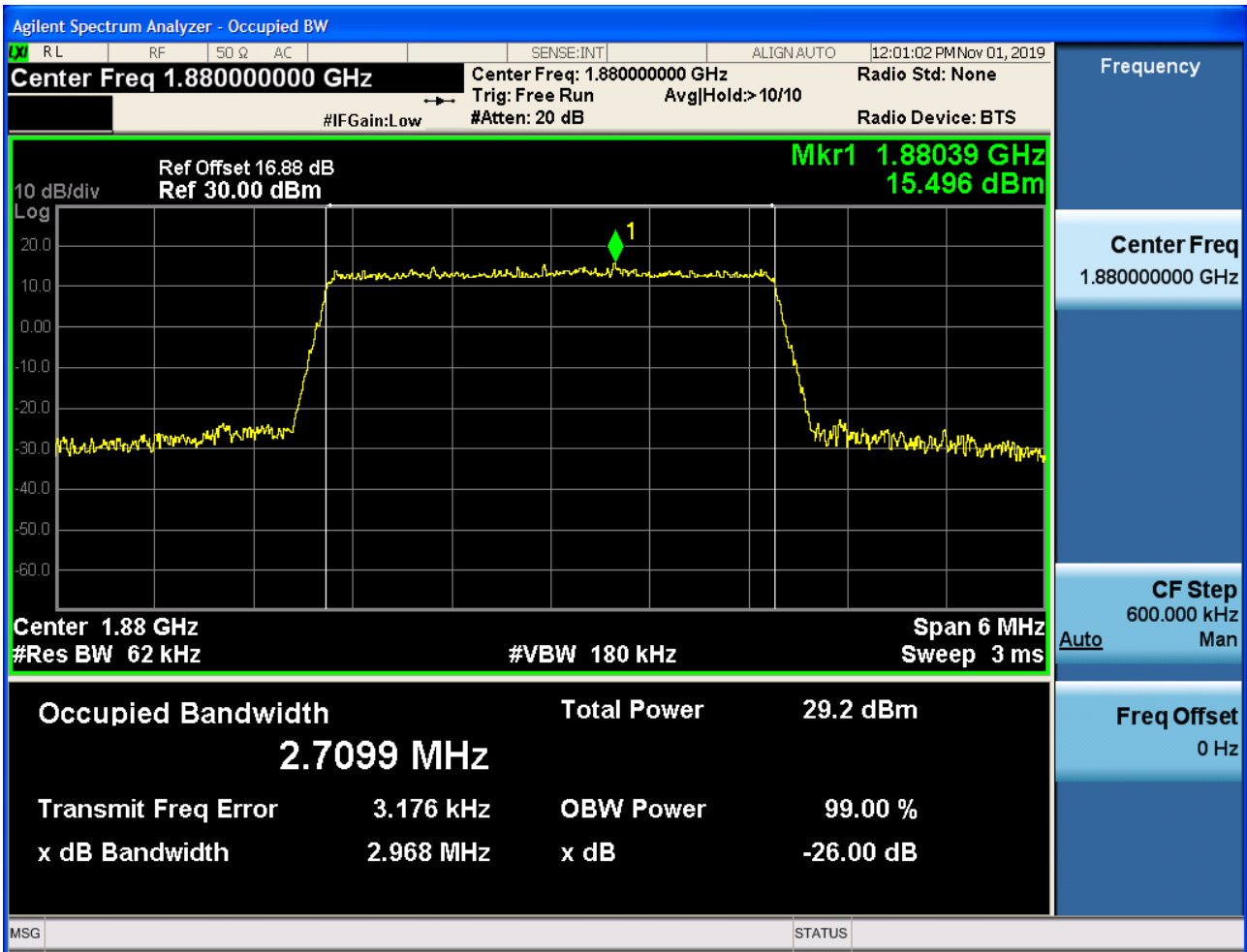
4.1.1.2.2.1.1 Test RB = RB15#0





### 4.1.1.2.2.2 Test Channel = MCH

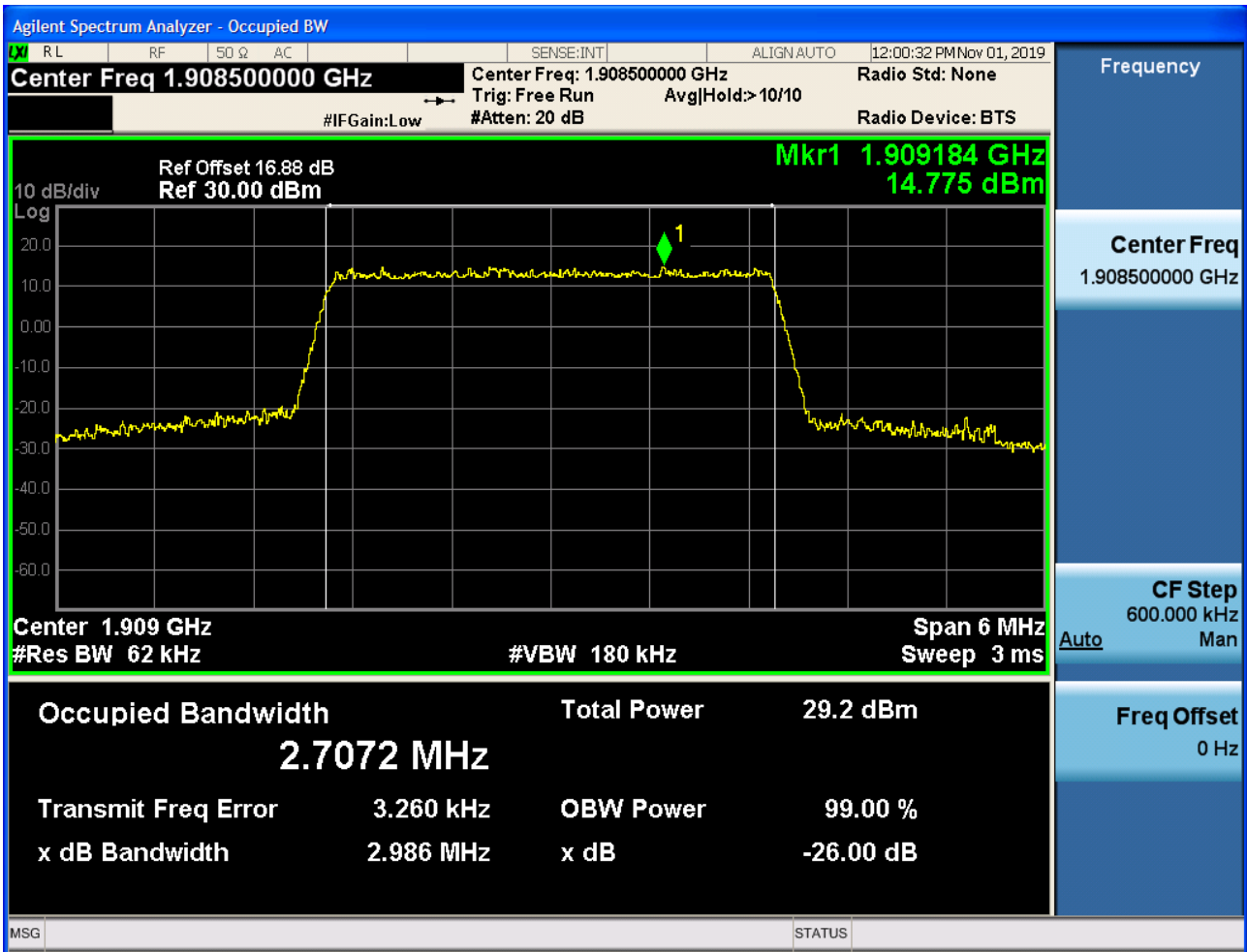
#### 4.1.1.2.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

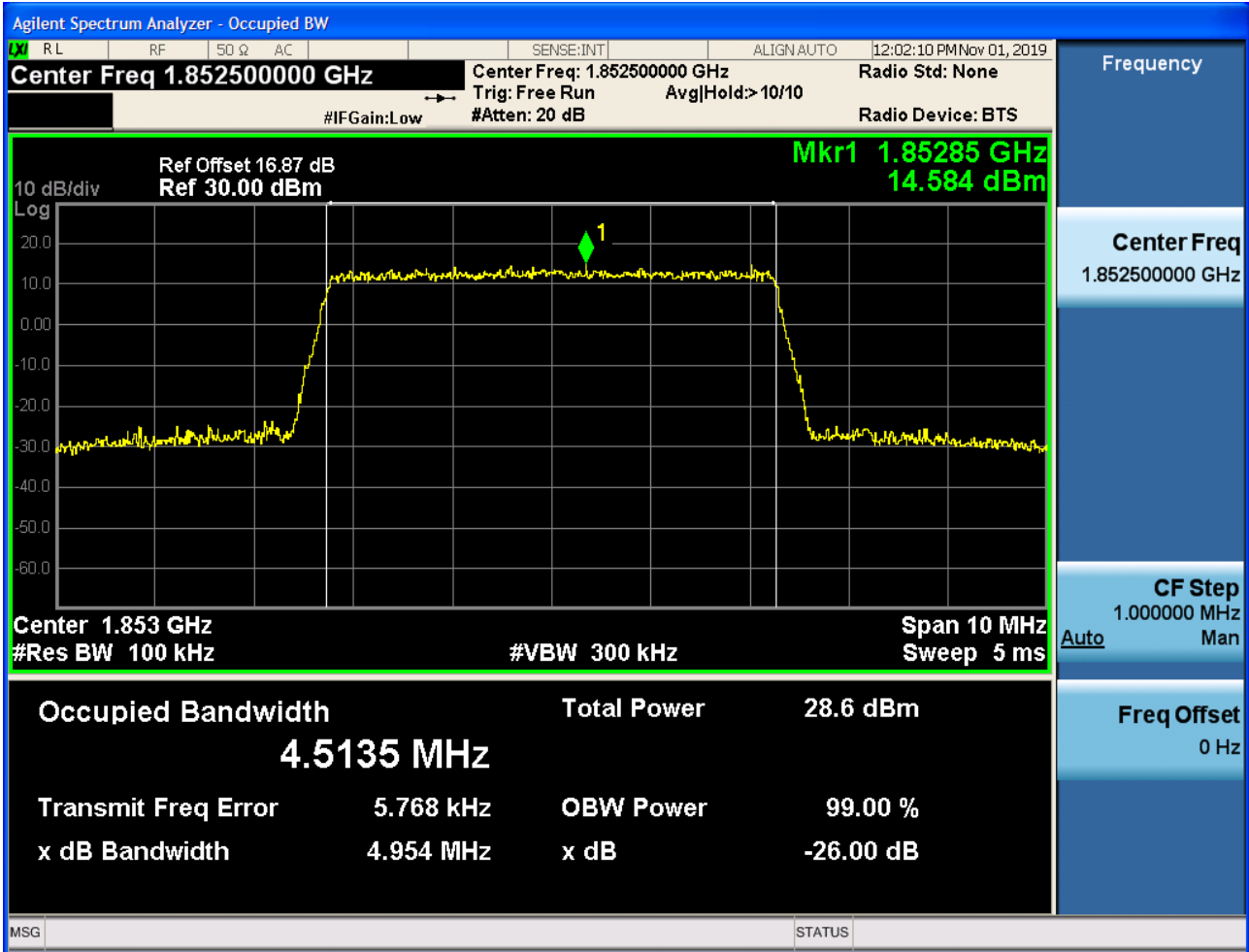




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

4.1.1.2.3.1.1 Test RB = RB25#0

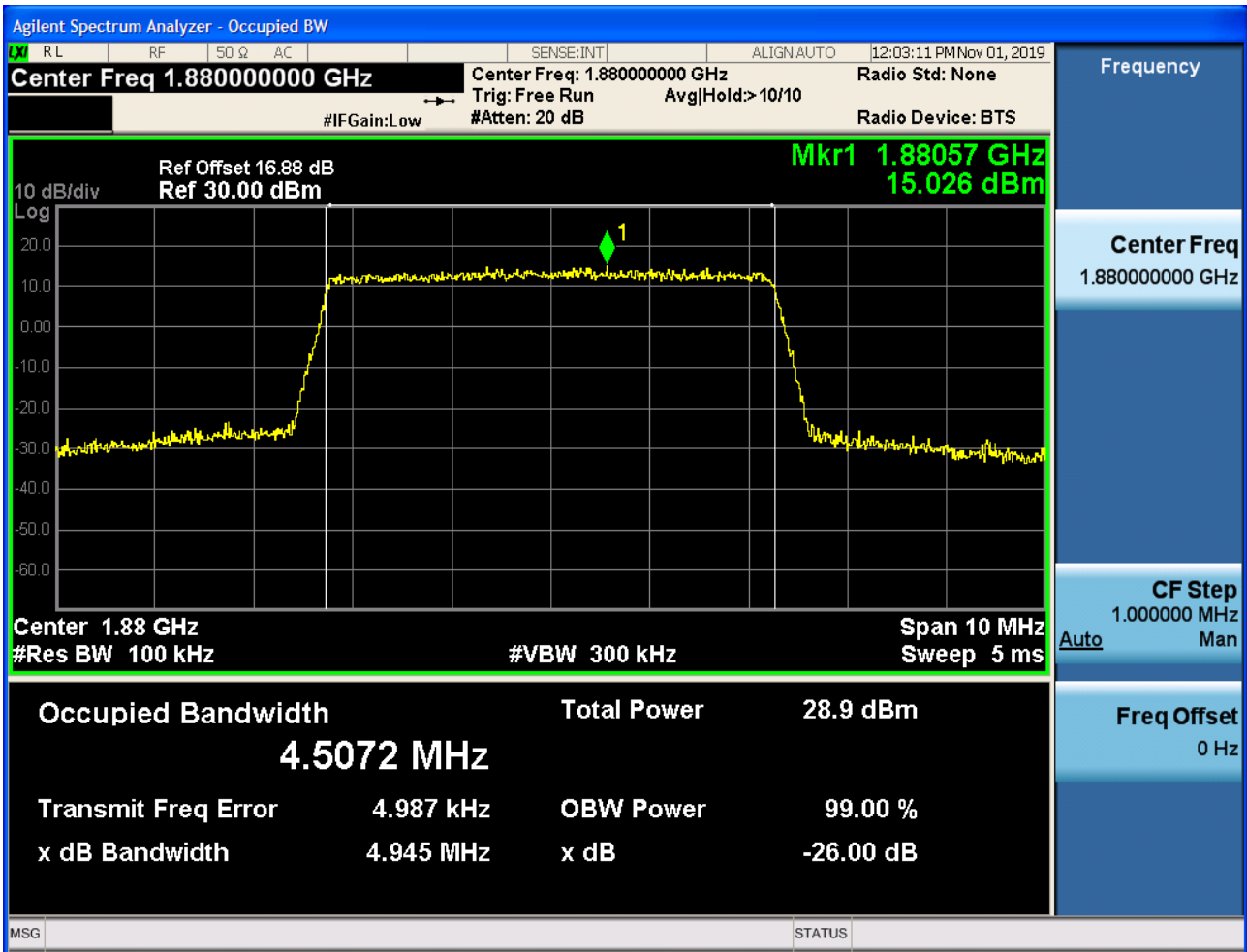






### 4.1.1.2.3.2 Test Channel = MCH

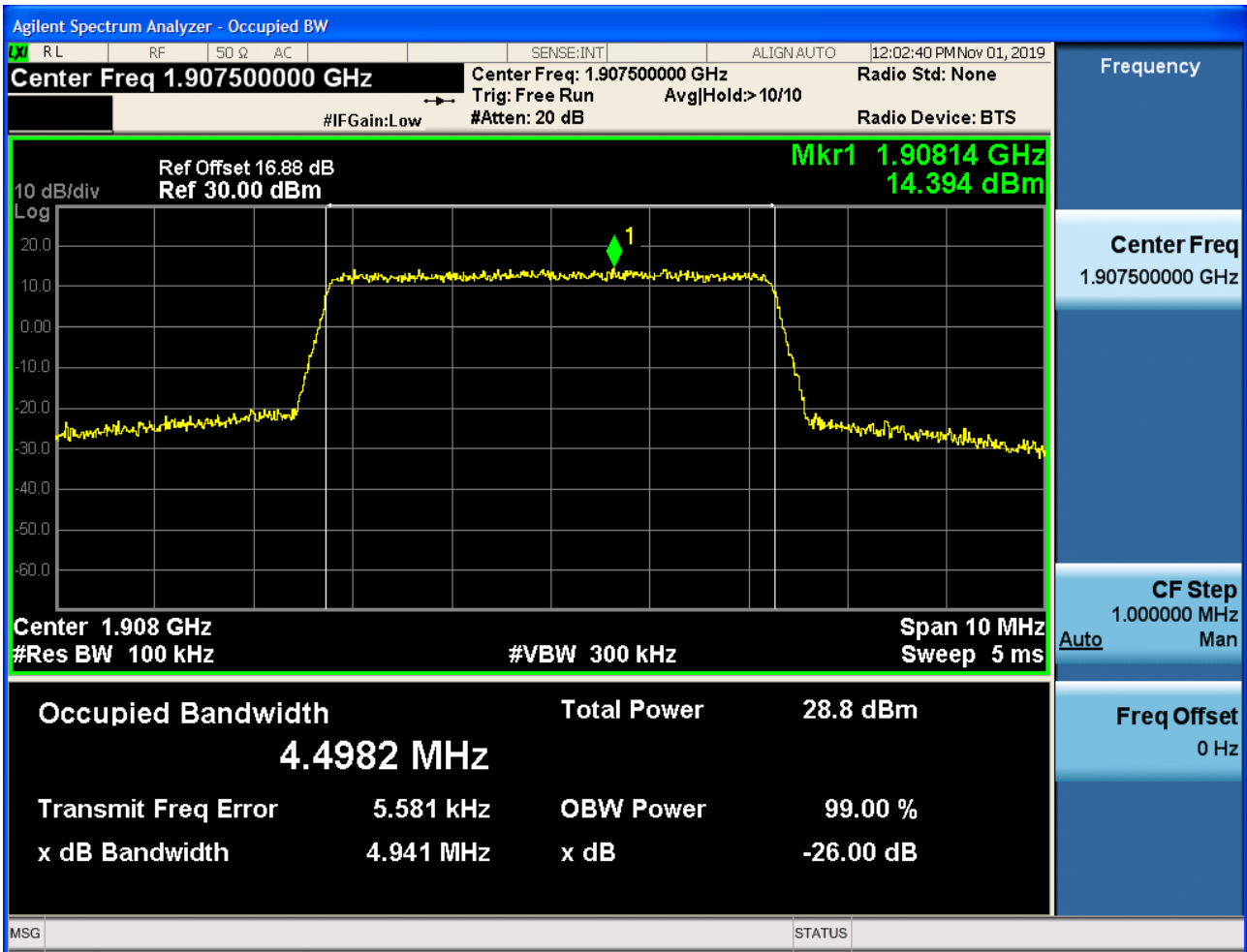
#### 4.1.1.2.3.2.1 Test RB = RB25#0





### 4.1.1.2.3.3 Test Channel = HCH

#### 4.1.1.2.3.3.1 Test RB = RB25#0

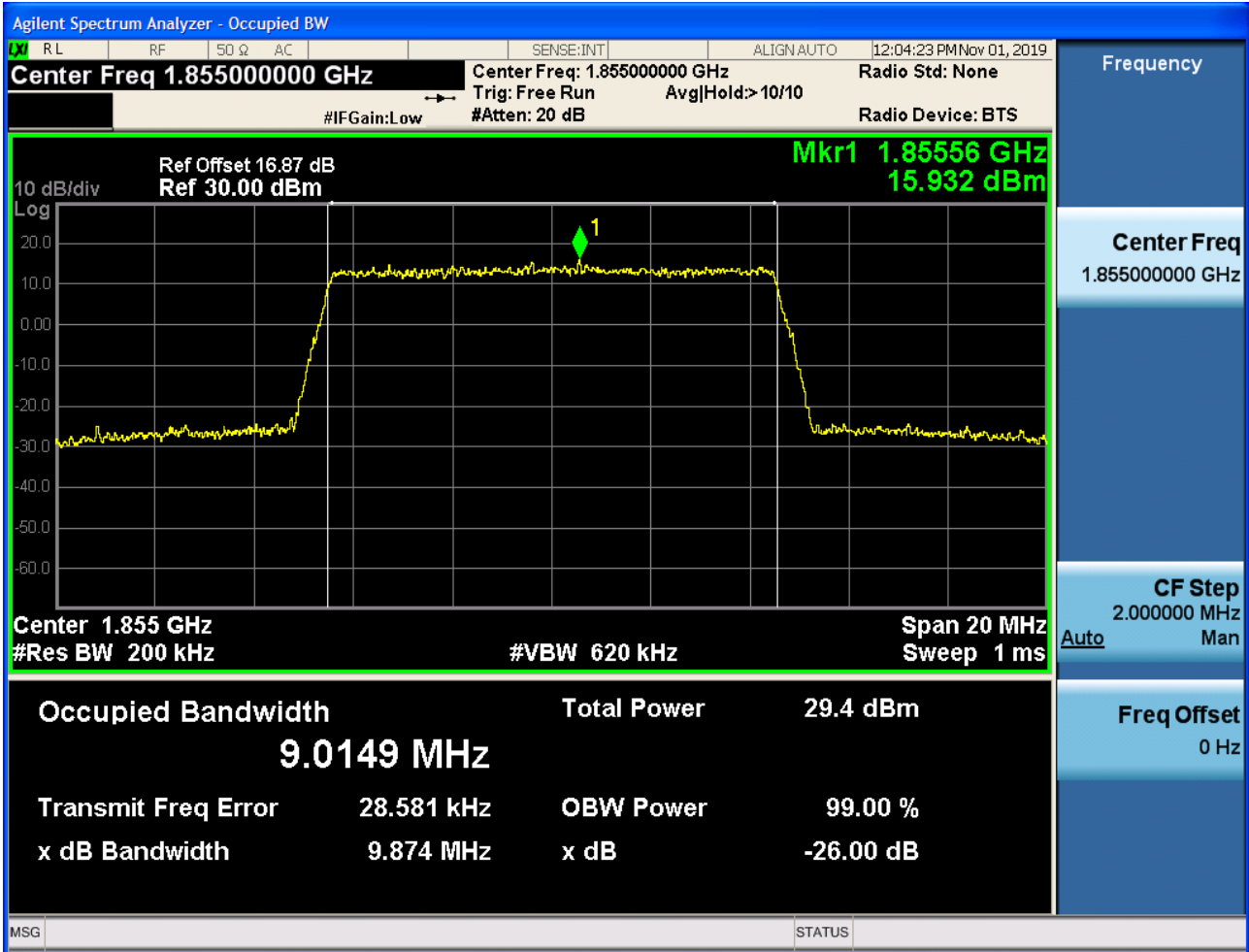




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

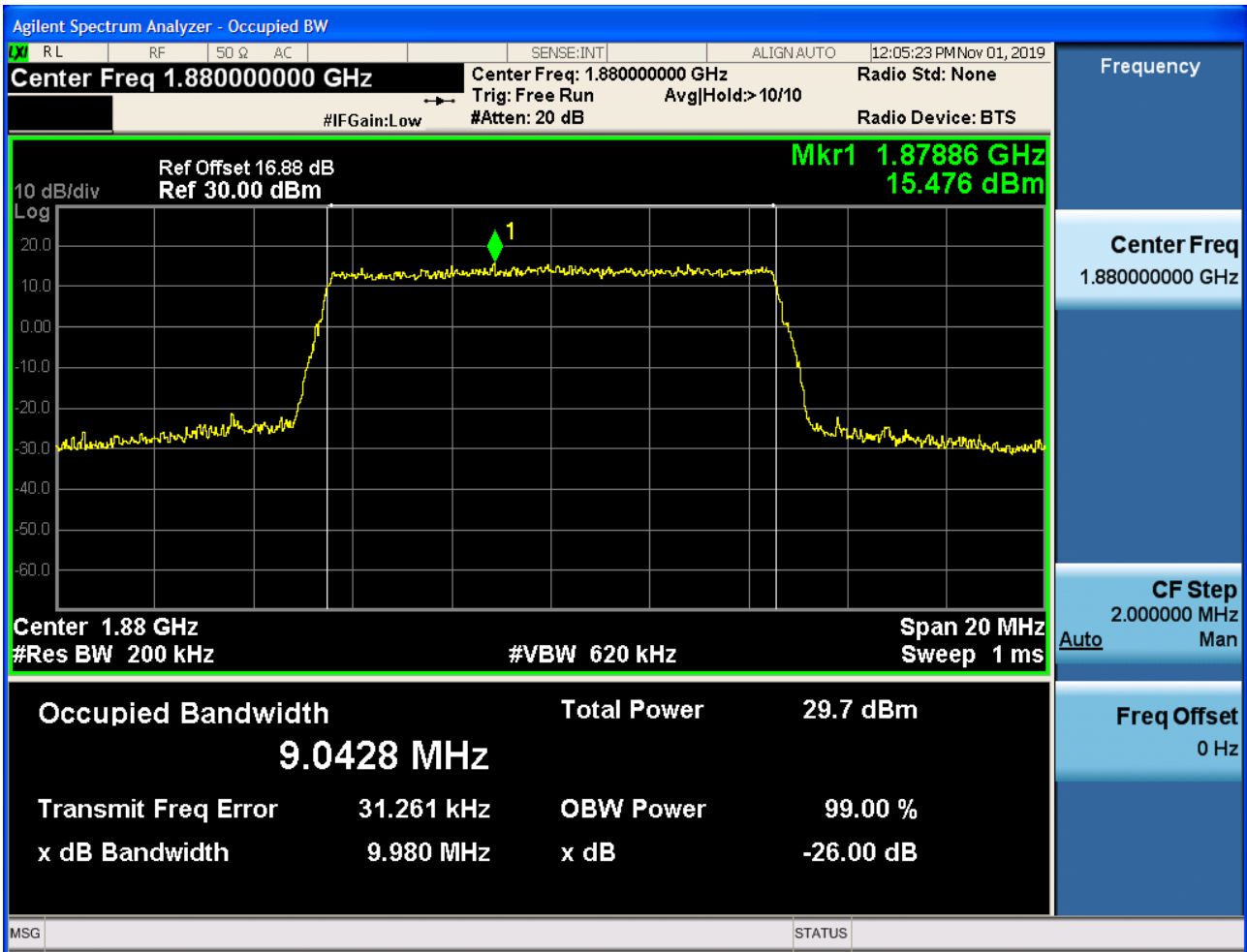
4.1.1.2.4.1.1 Test RB = RB50#0





### 4.1.1.2.4.2 Test Channel = MCH

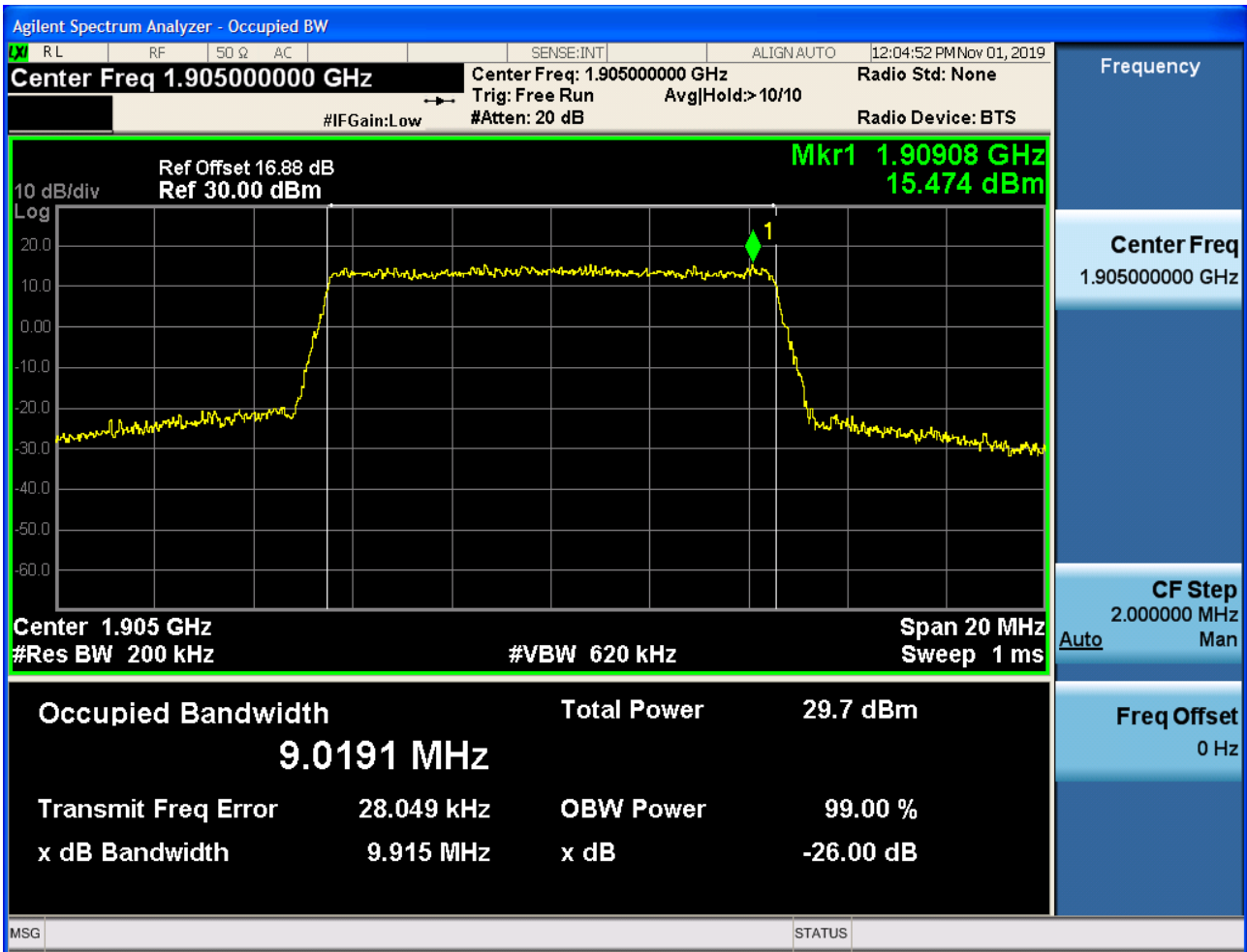
#### 4.1.1.2.4.2.1 Test RB = RB50#0





### 4.1.1.2.4.3 Test Channel = HCH

#### 4.1.1.2.4.3.1 Test RB = RB50#0

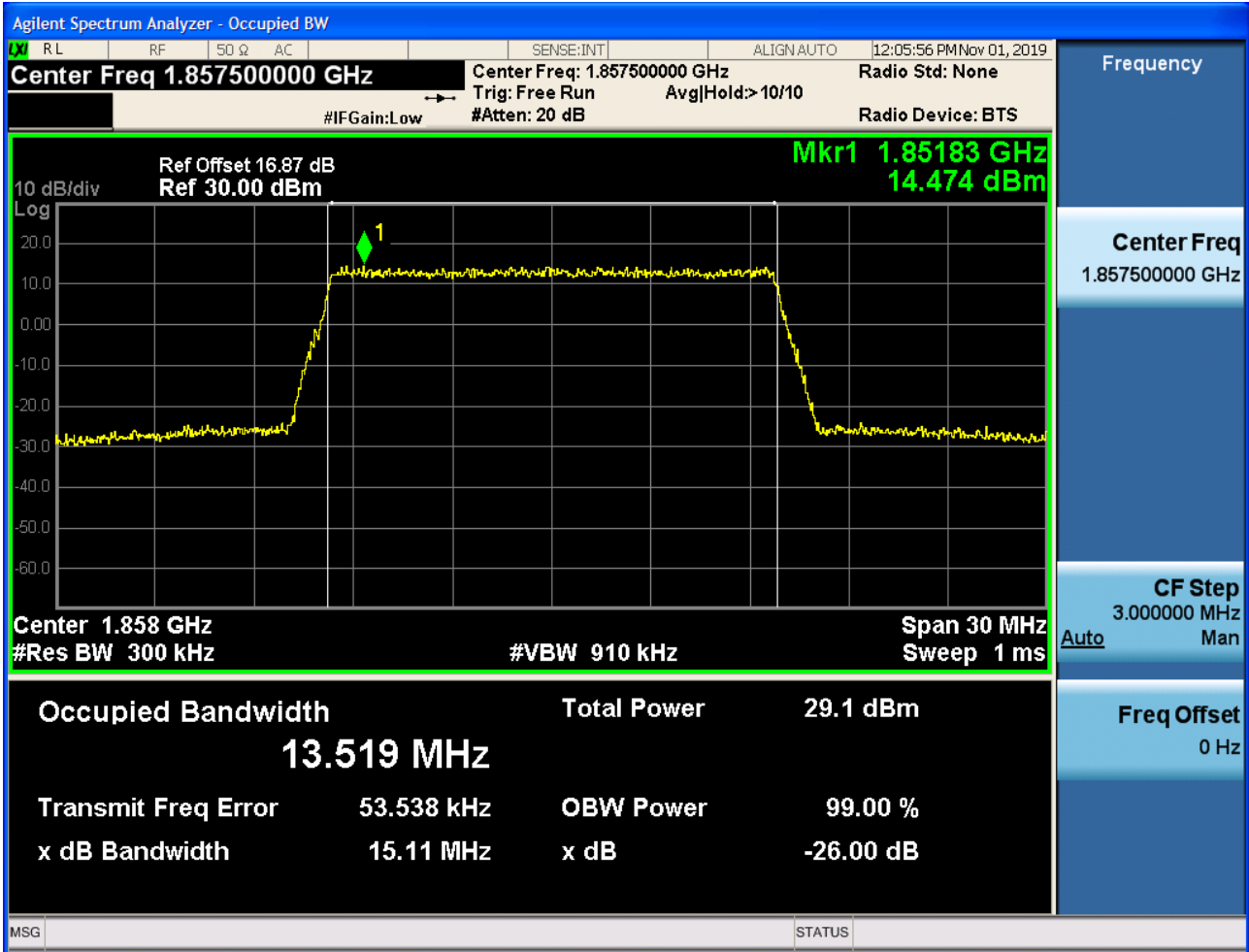




4.1.1.2.5 Test Bandwidth = 15

4.1.1.2.5.1 Test Channel = LCH

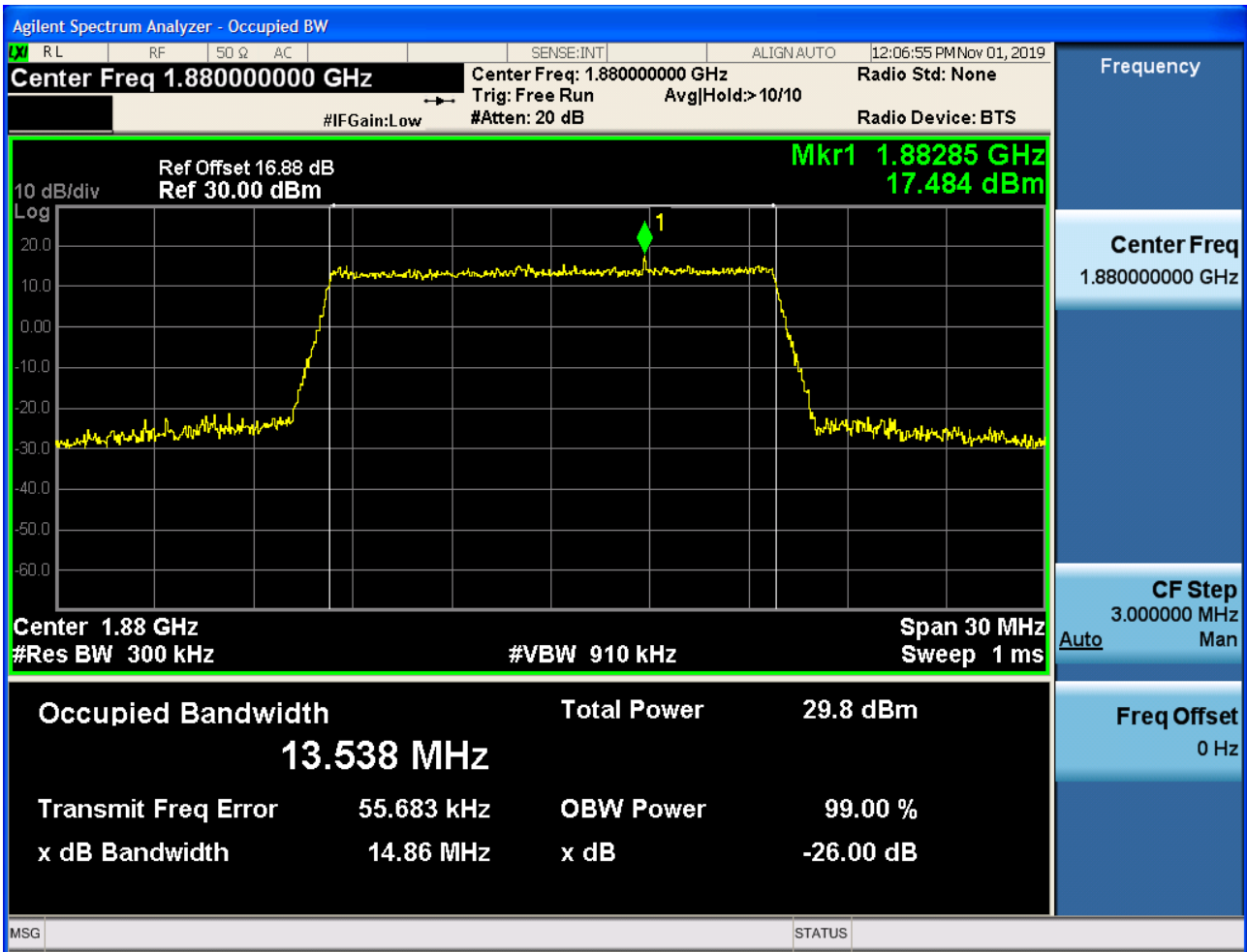
4.1.1.2.5.1.1 Test RB = RB75#0





### 4.1.1.2.5.2 Test Channel = MCH

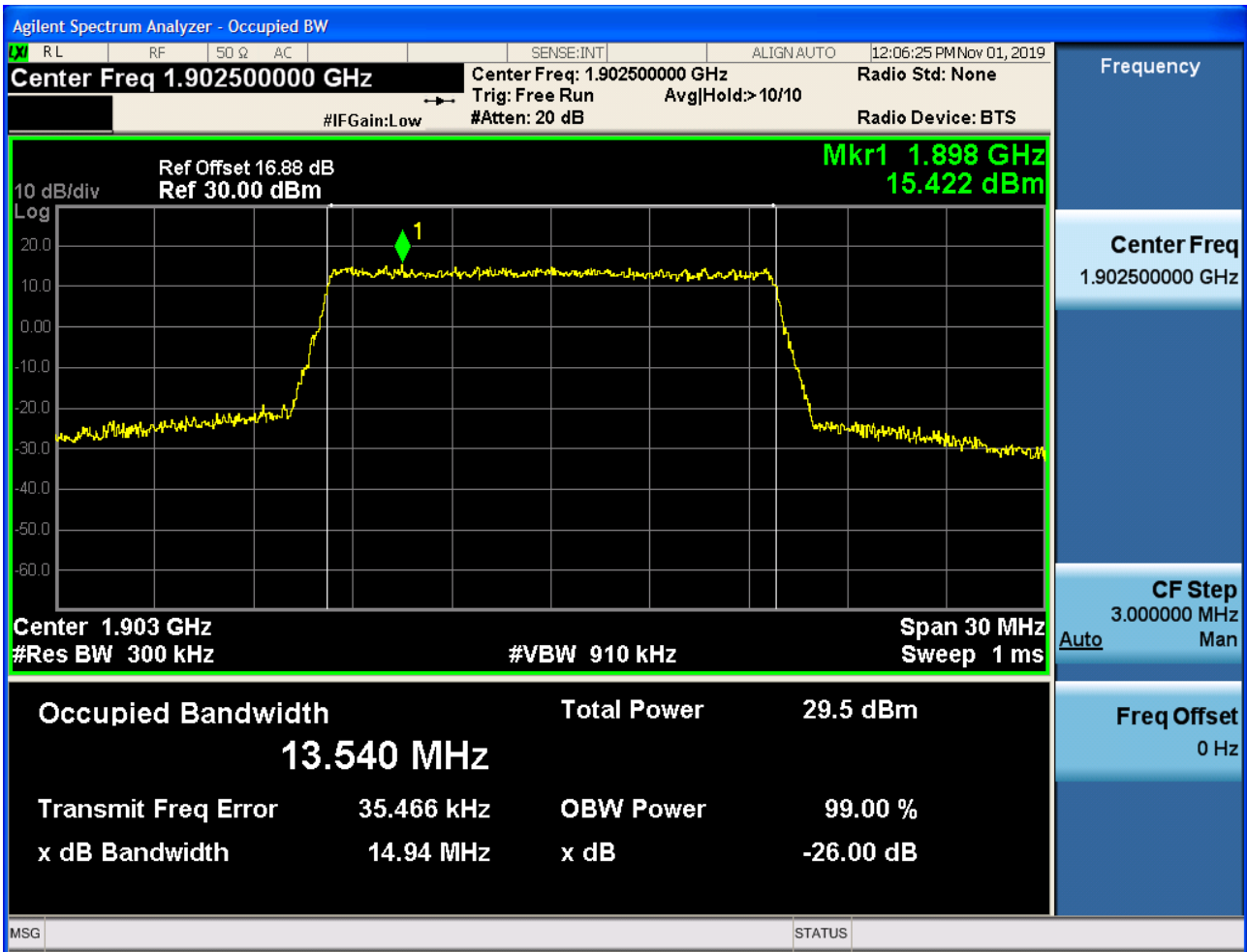
#### 4.1.1.2.5.2.1 Test RB = RB75#0





### 4.1.1.2.5.3 Test Channel = HCH

#### 4.1.1.2.5.3.1 Test RB = RB75#0



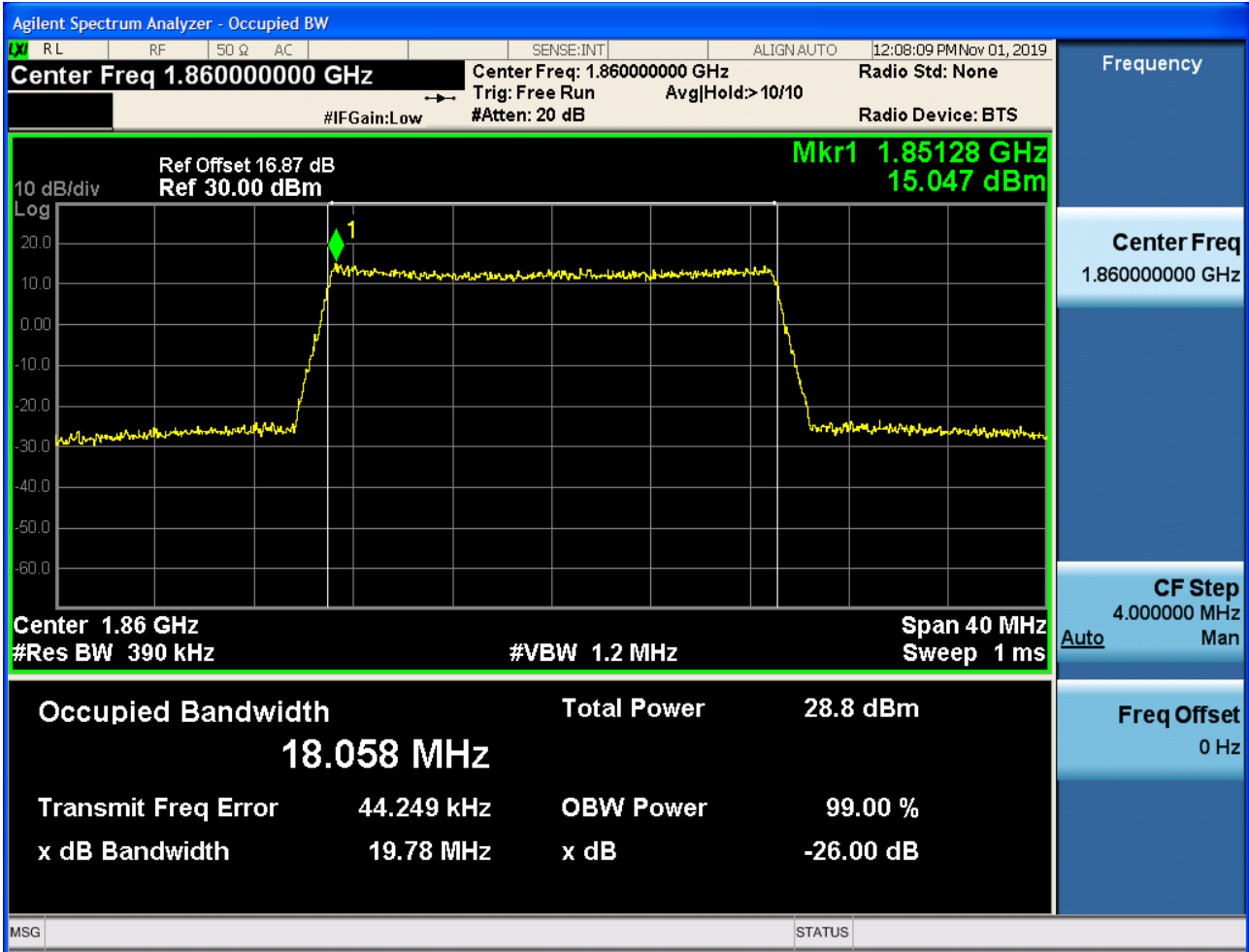




4.1.1.2.6 Test Bandwidth = 20

4.1.1.2.6.1 Test Channel = LCH

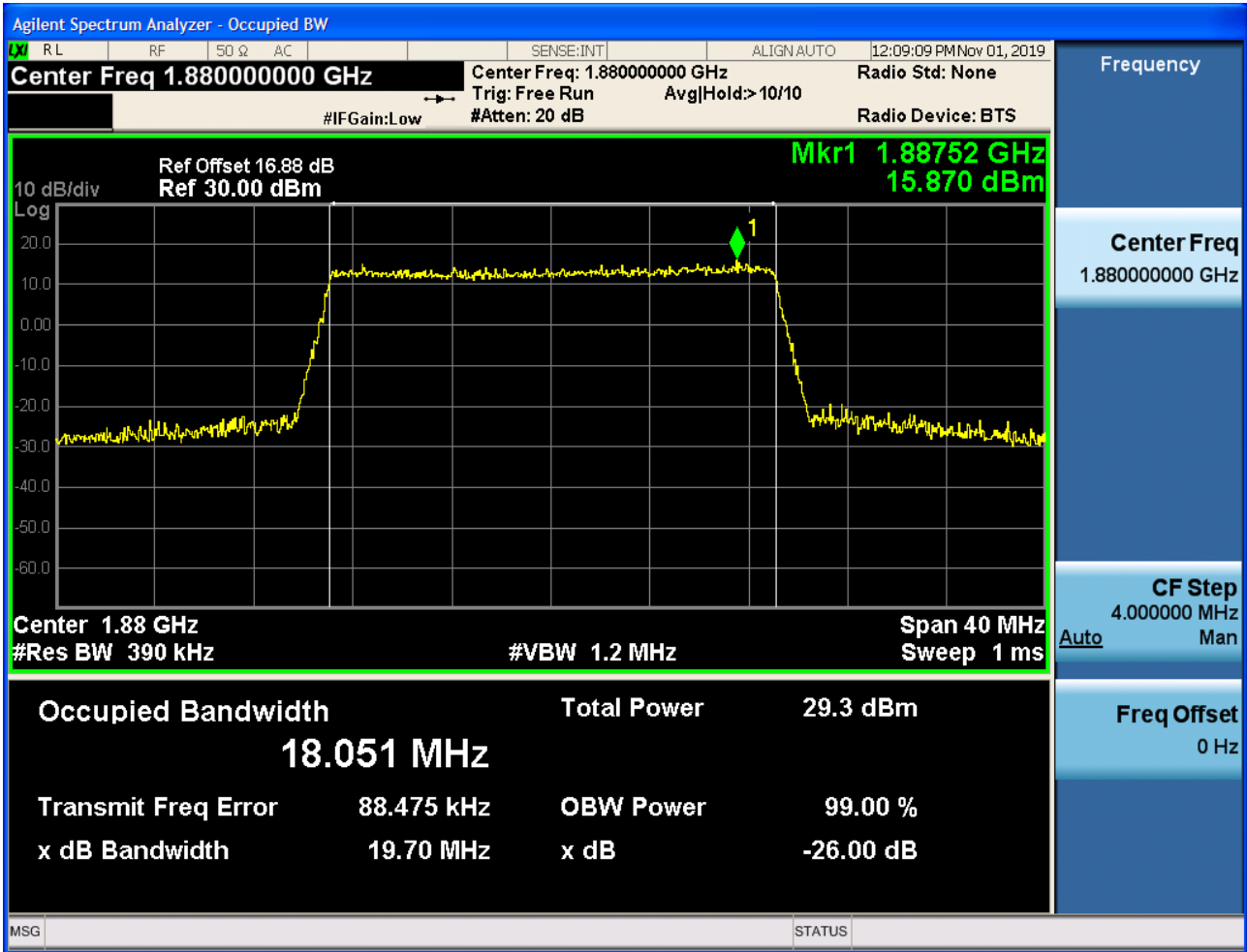
4.1.1.2.6.1.1 Test RB = RB100#0





4.1.1.2.6.2 Test Channel = MCH

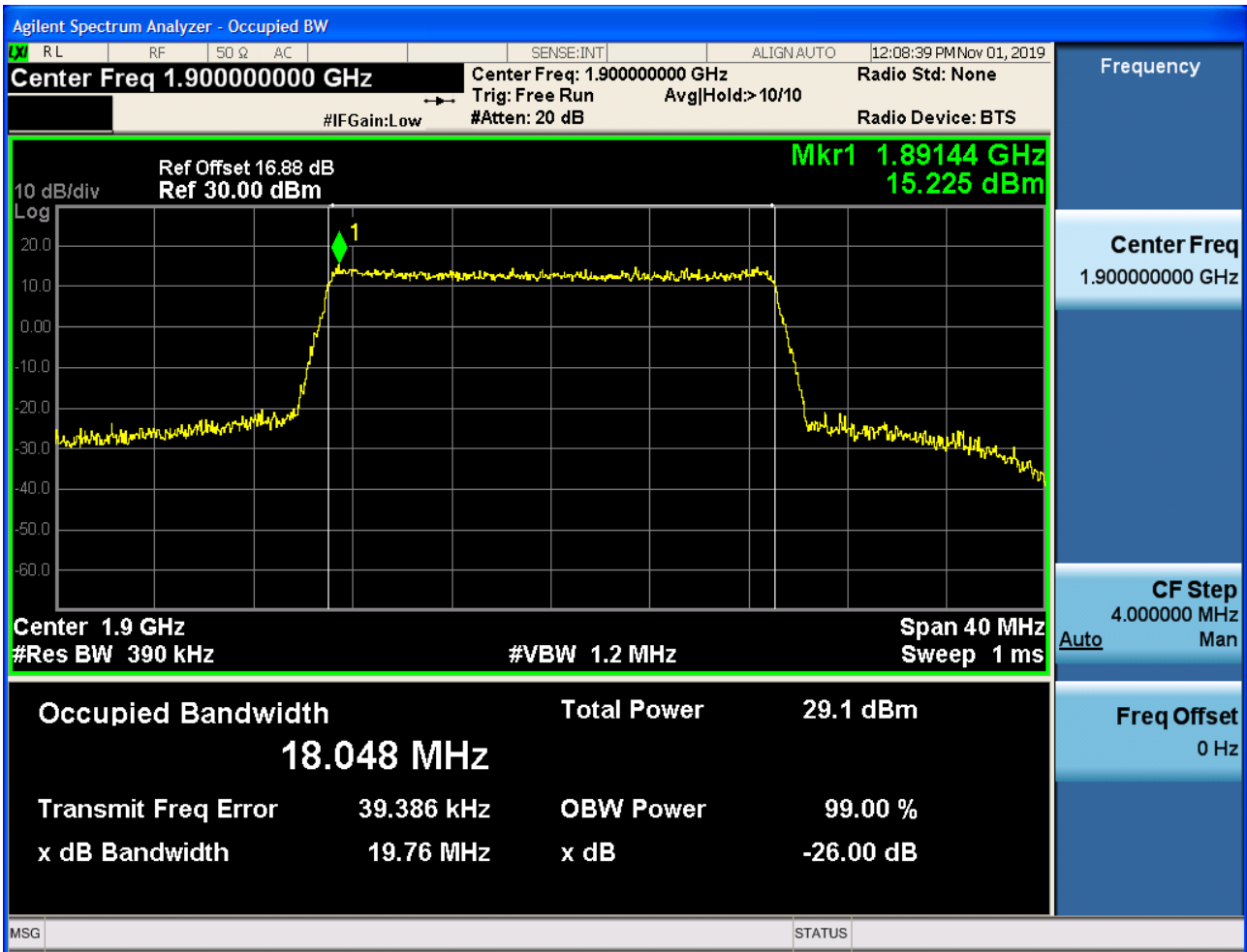
4.1.1.2.6.2.1 Test RB = RB100#0





### 4.1.1.2.6.3 Test Channel = HCH

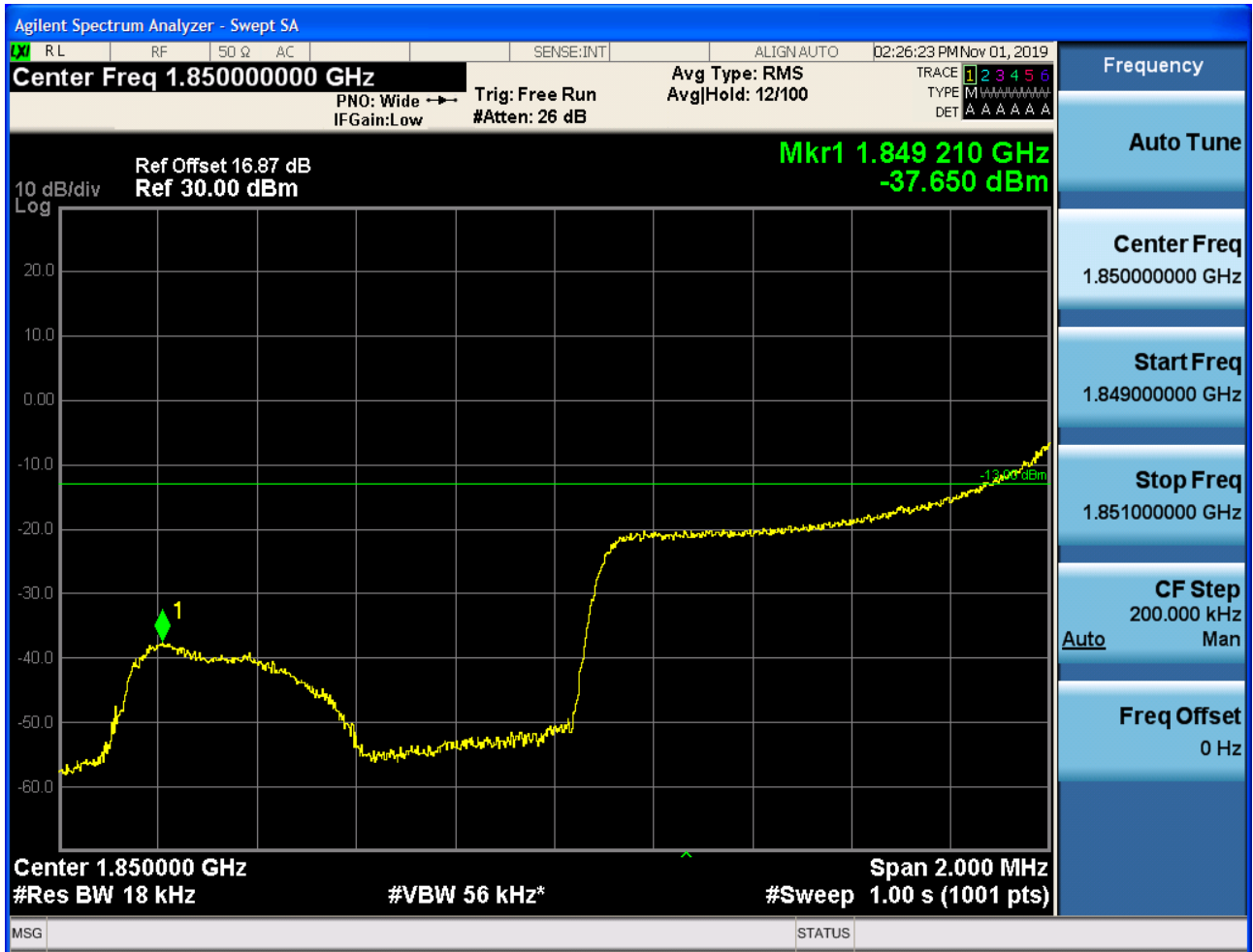
#### 4.1.1.2.6.3.1 Test RB = RB100#0





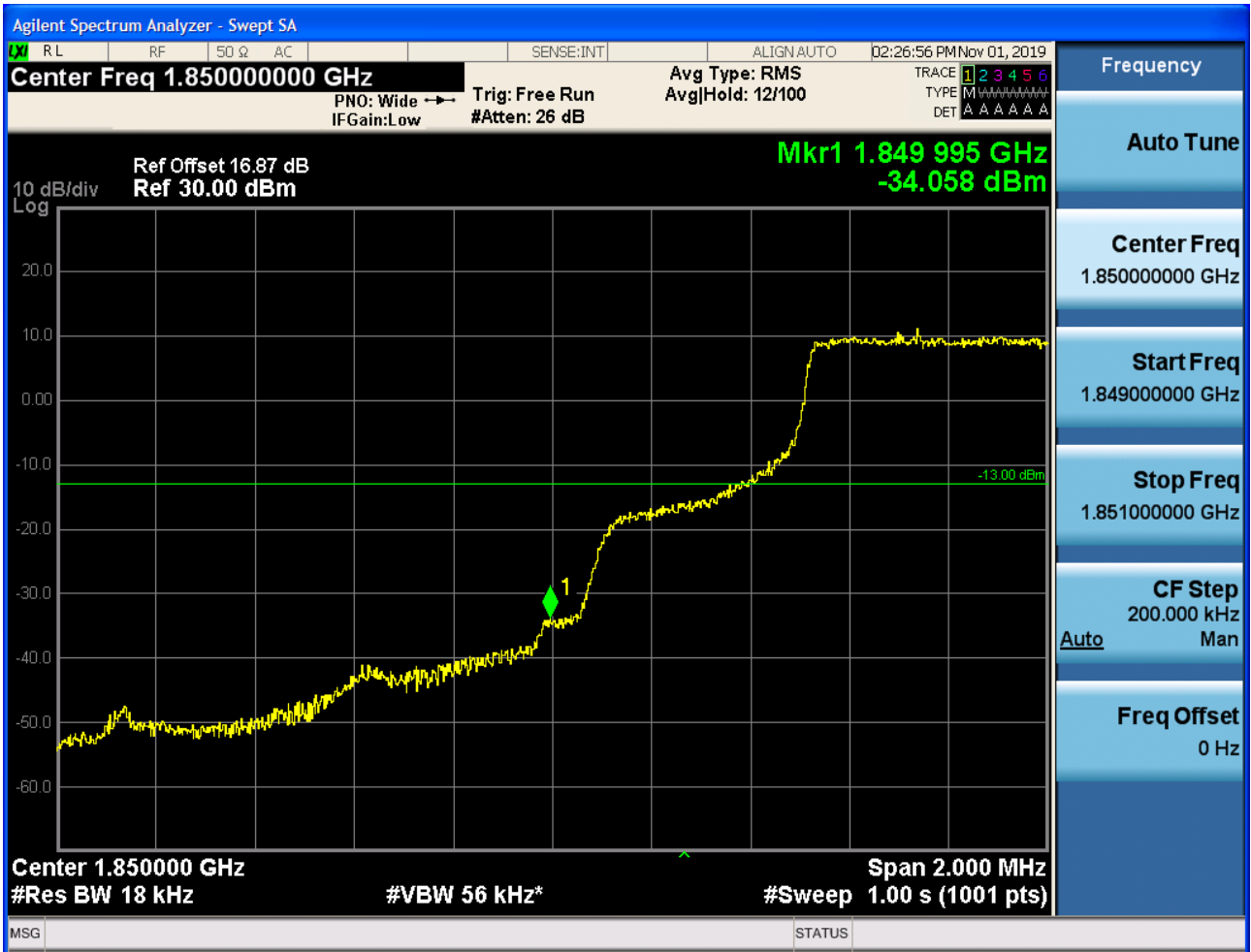


5.1.1.1.1.2 Test RB = RB1#5



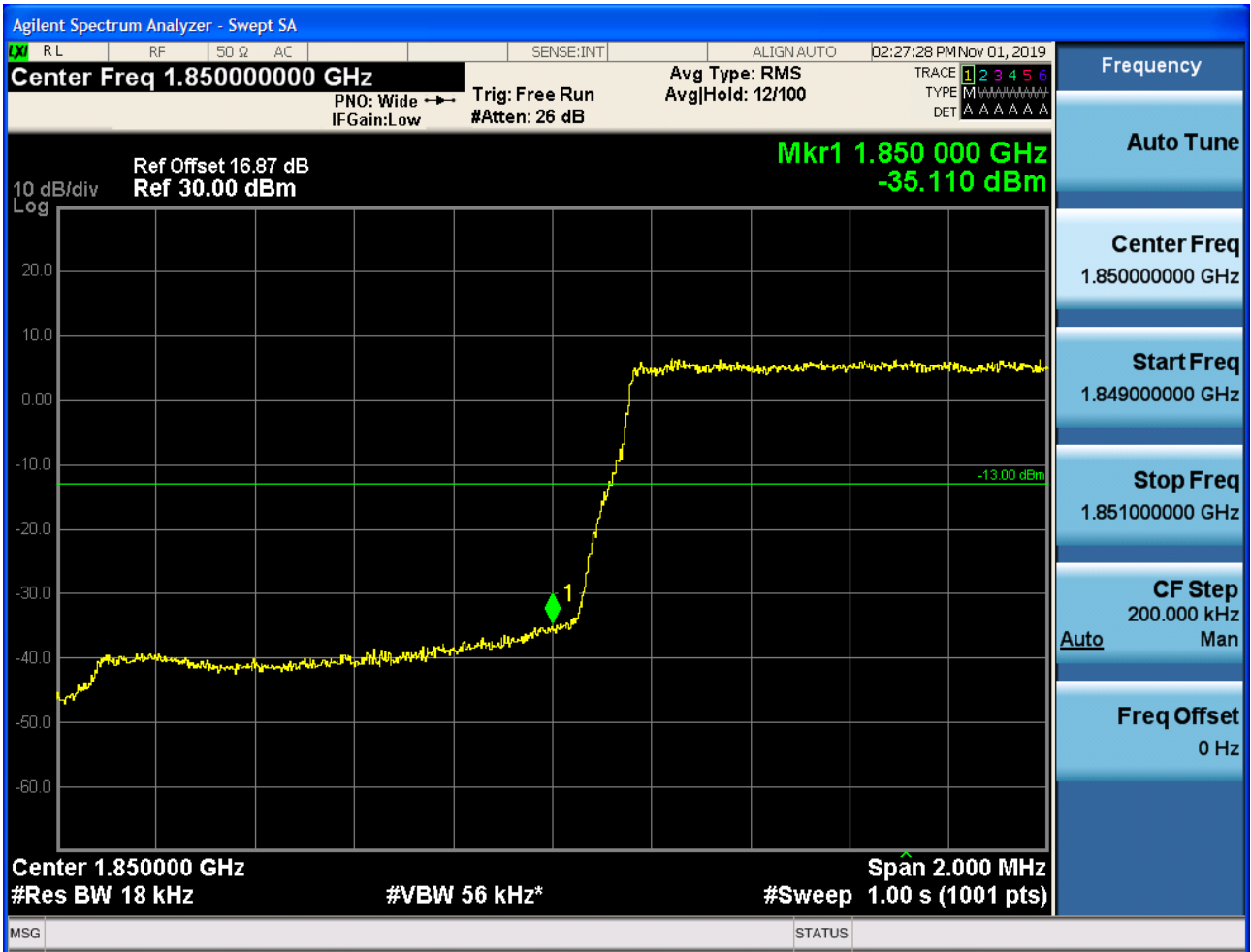


5.1.1.1.1.3 Test RB = RB3#2





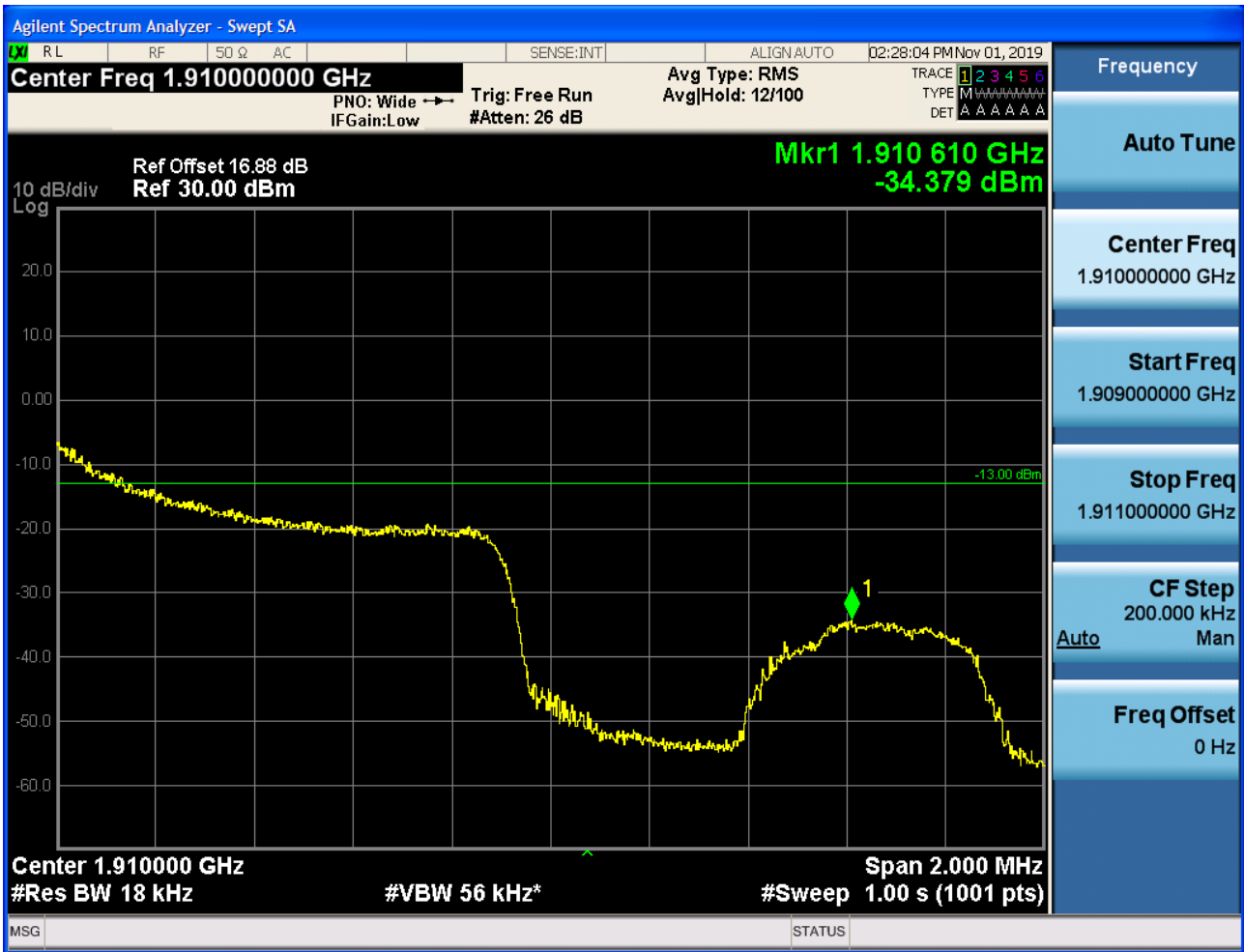
5.1.1.1.1.4 Test RB = RB6#0





5.1.1.1.1.2 Test Channel = HCH

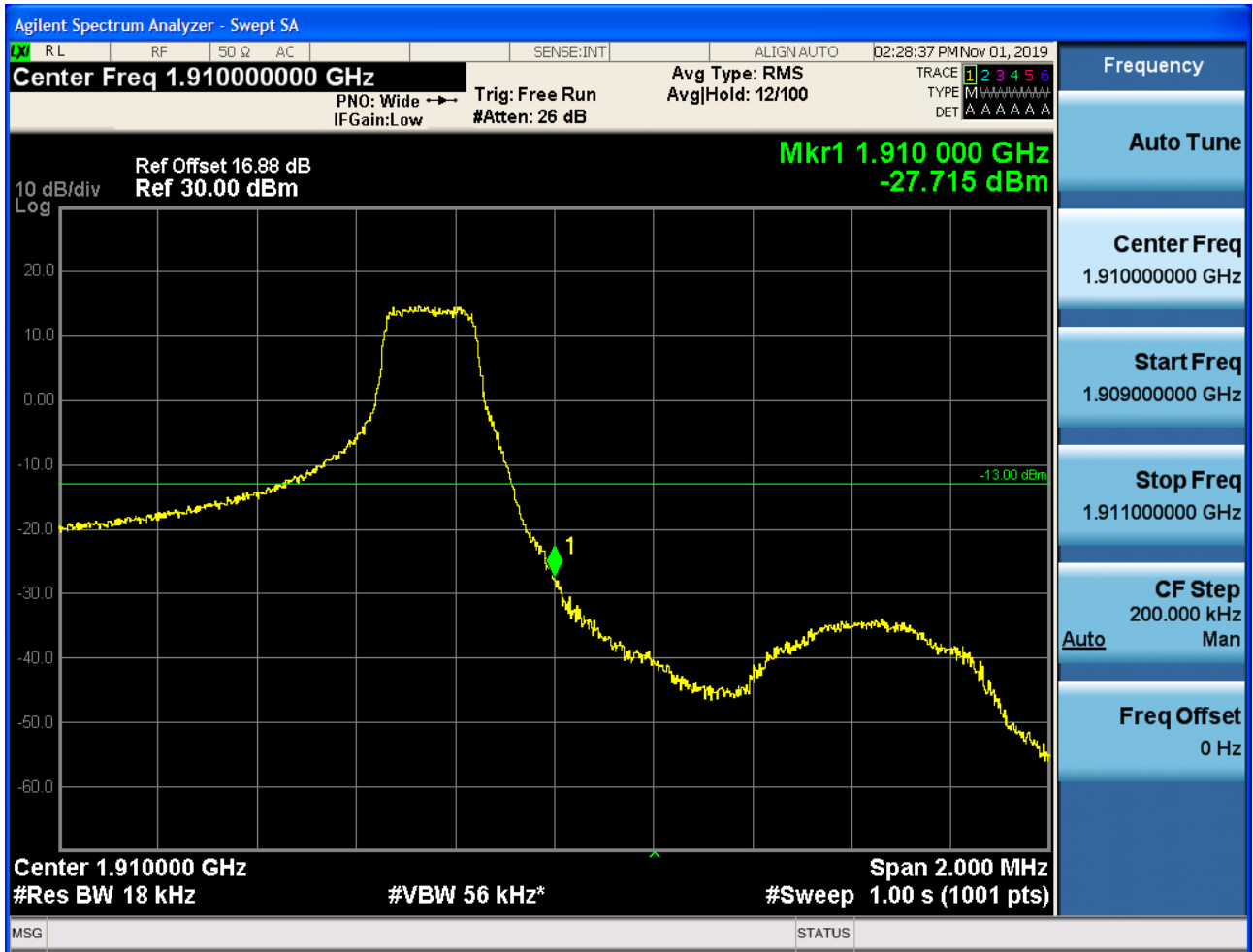
5.1.1.1.1.2.1 Test RB = RB1#0







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

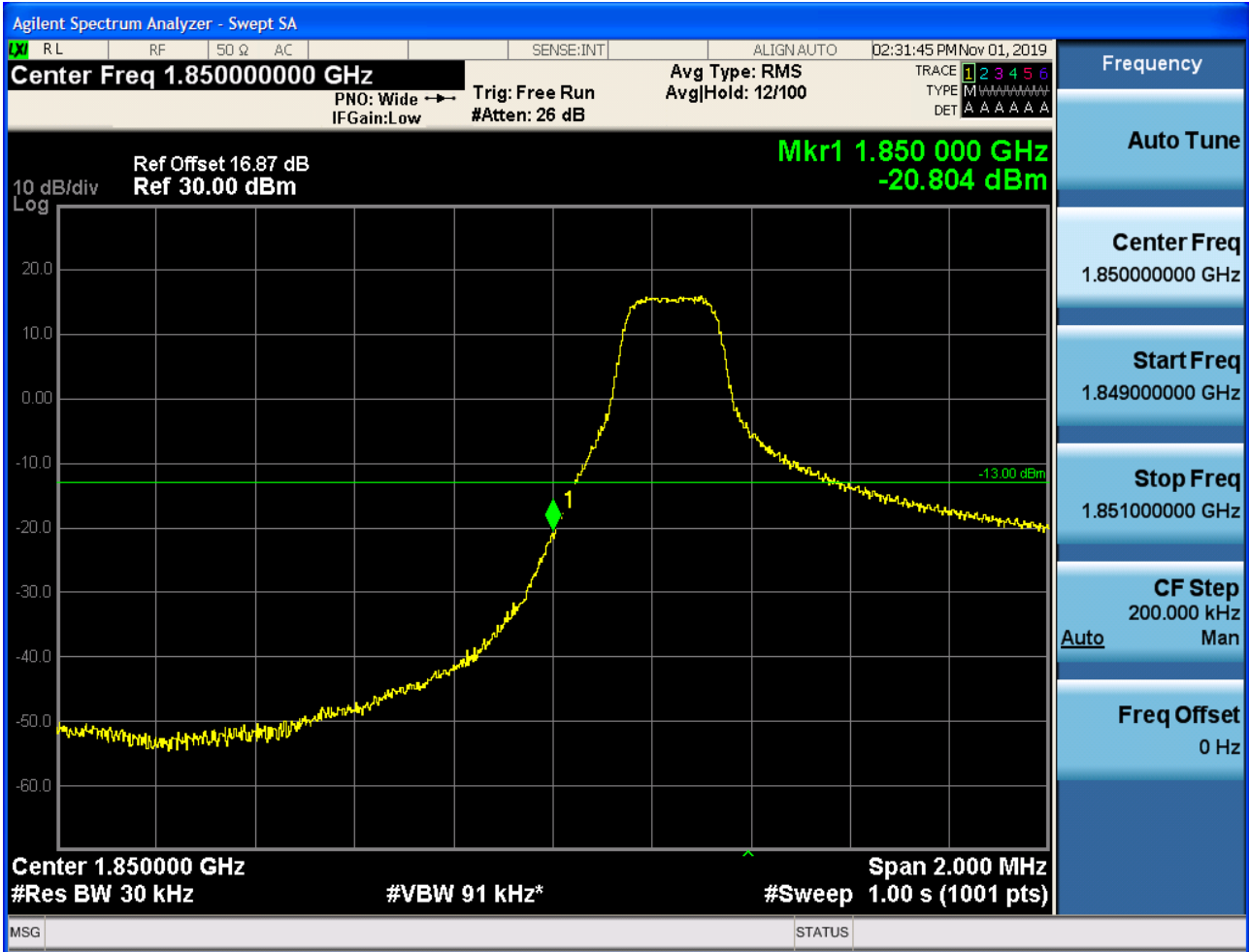




5.1.1.1.2 Test Bandwidth = 3

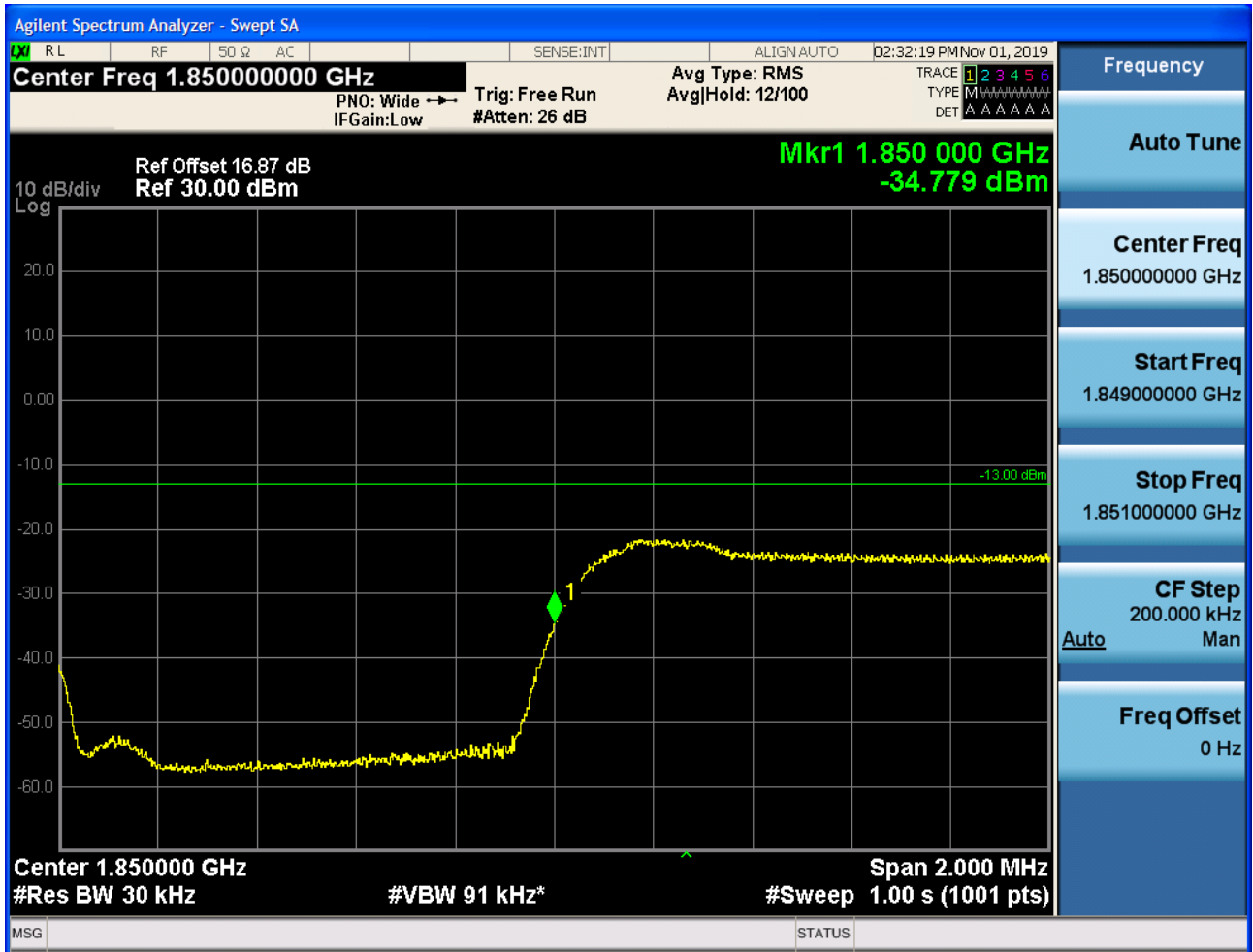
5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



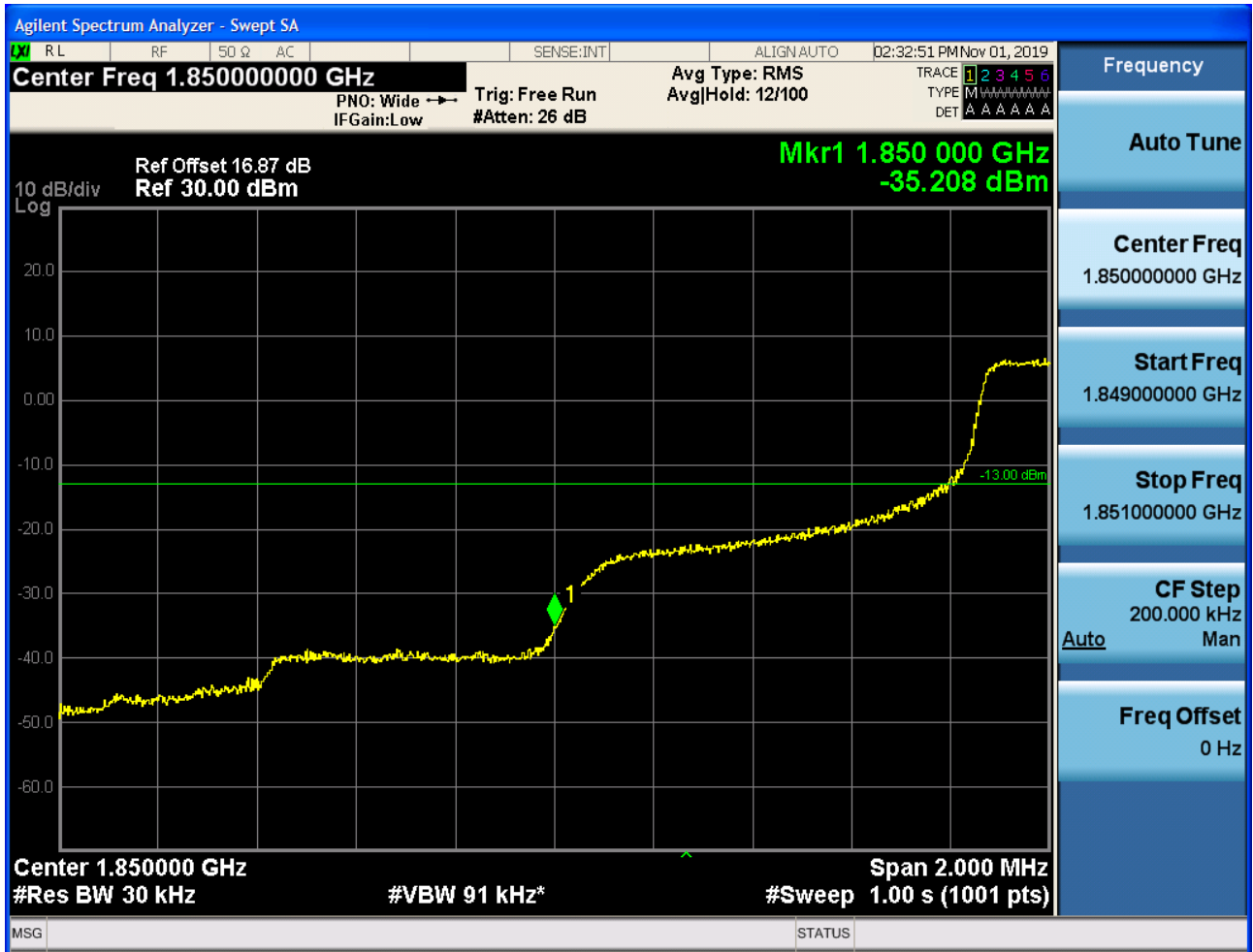


### 5.1.1.1.2.1.2 Test RB = RB1#14



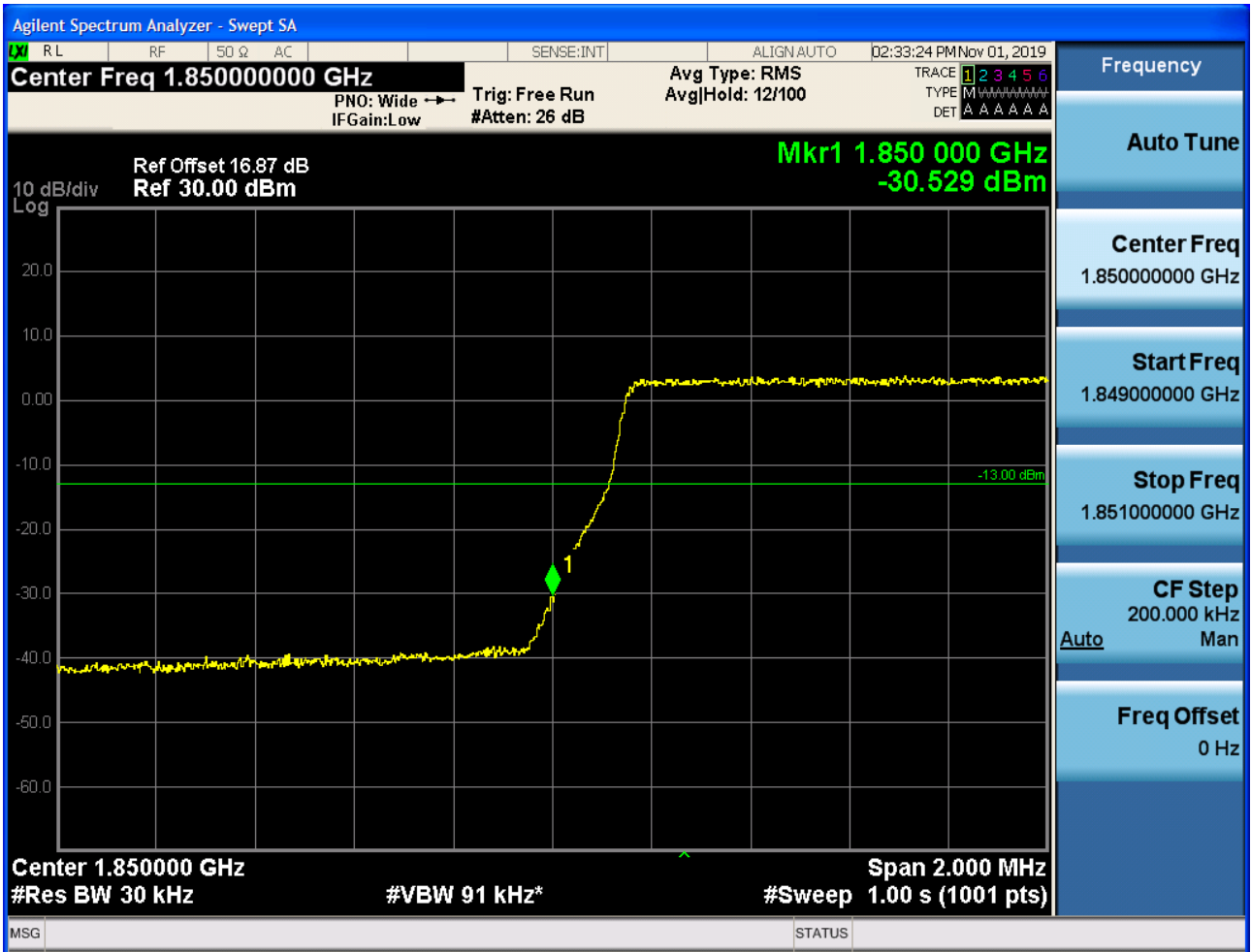


5.1.1.1.2.1.3 Test RB = RB8#4





5.1.1.1.2.1.4 Test RB = RB15#0





5.1.1.1.2.2 Test Channel = HCH

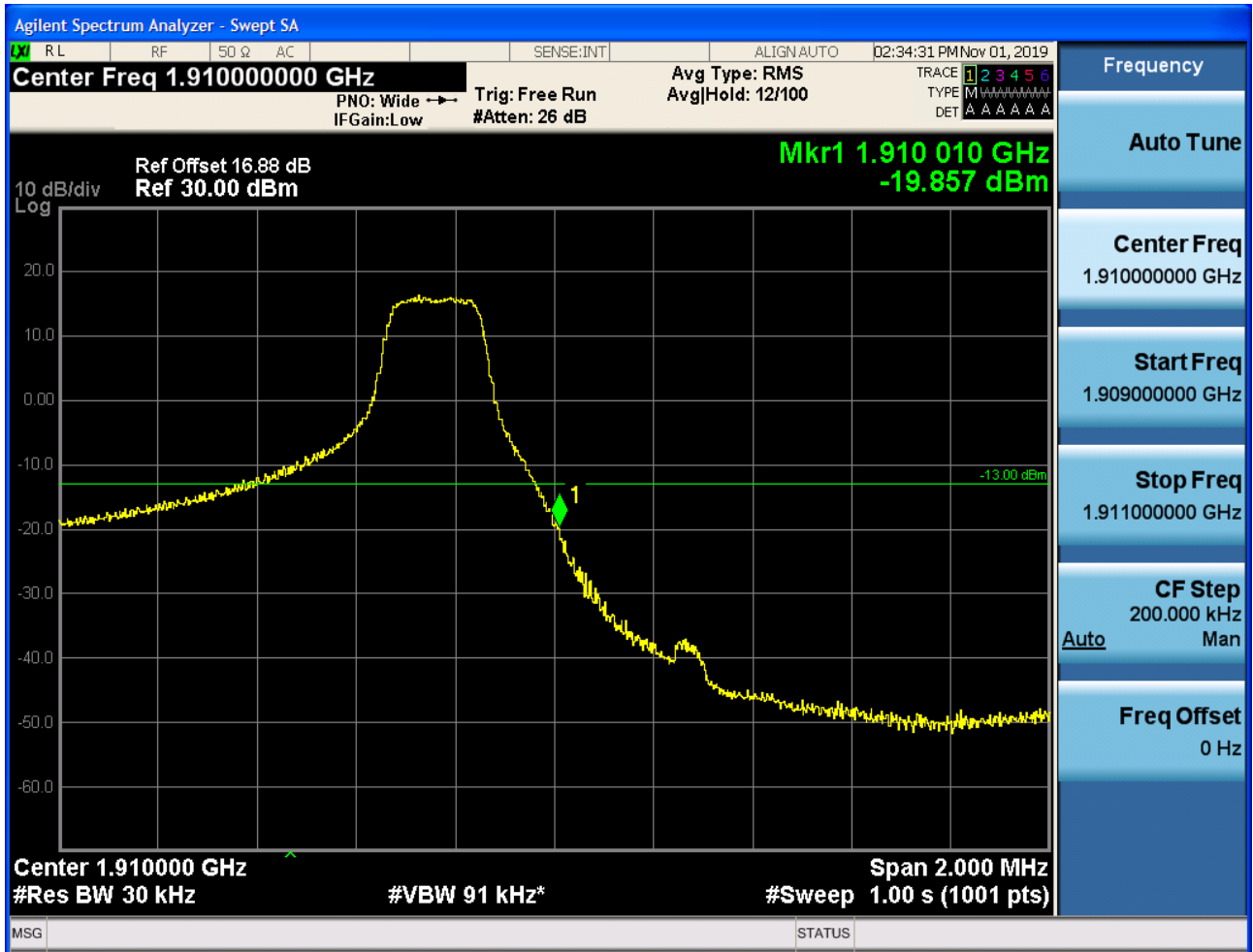
5.1.1.1.2.2.1 Test RB = RB1#0







5.1.1.1.2.2.2 Test RB = RB1#14



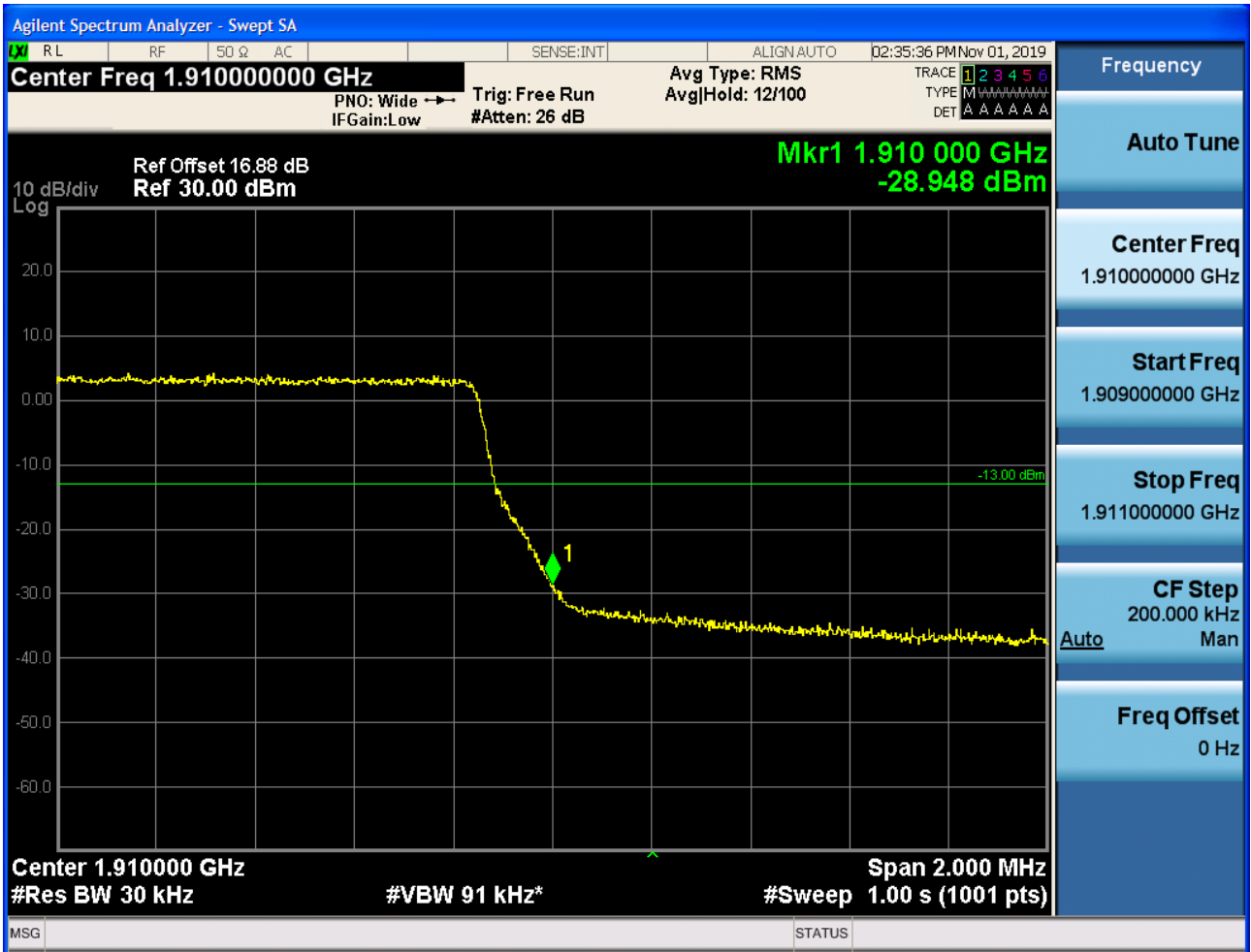


5.1.1.1.2.2.3 Test RB = RB8#4





5.1.1.1.2.2.4 Test RB = RB15#0

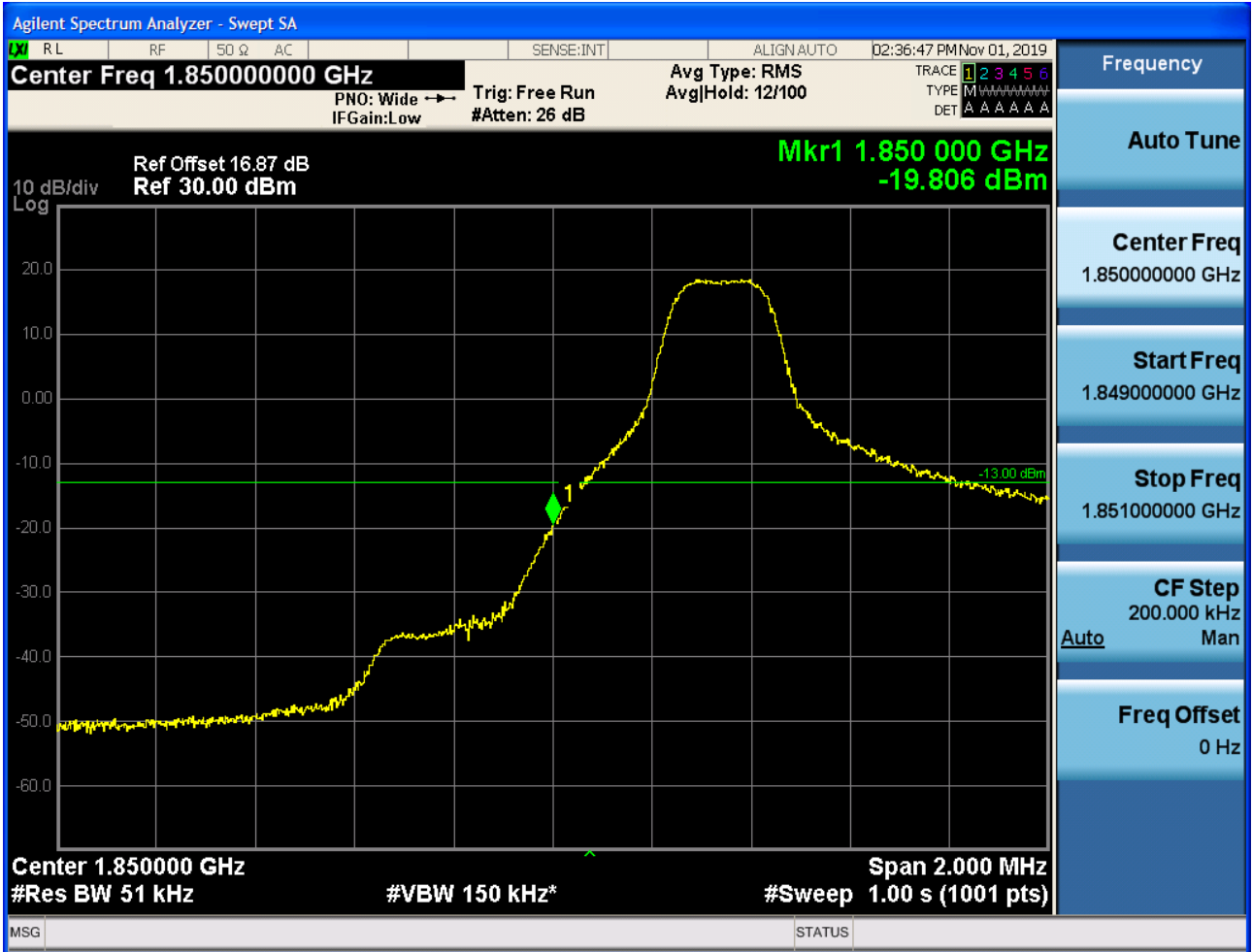




5.1.1.1.3 Test Bandwidth = 5

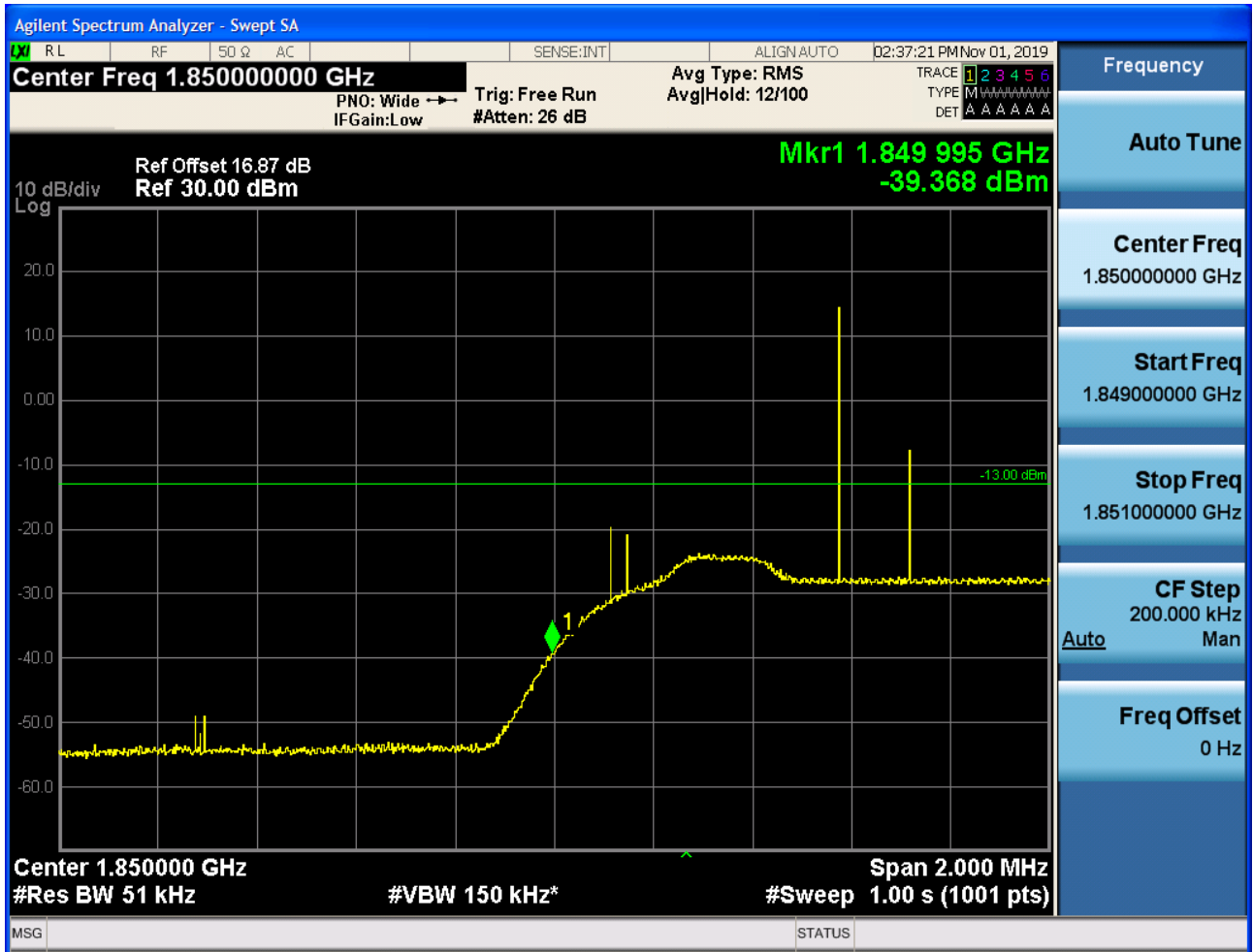
5.1.1.1.3.1 Test Channel = LCH

5.1.1.1.3.1.1 Test RB = RB1#0



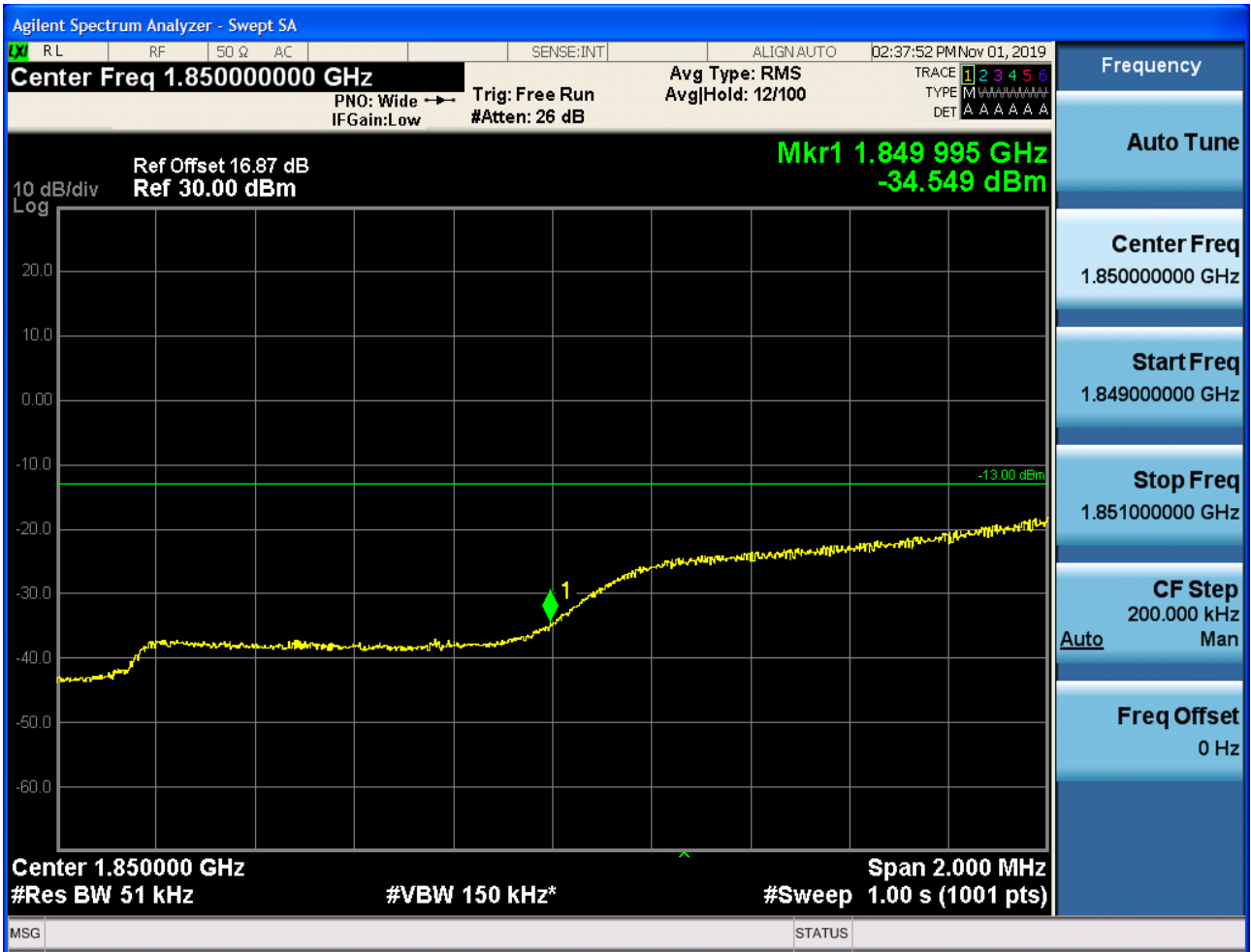


5.1.1.1.3.1.2 Test RB = RB1#24



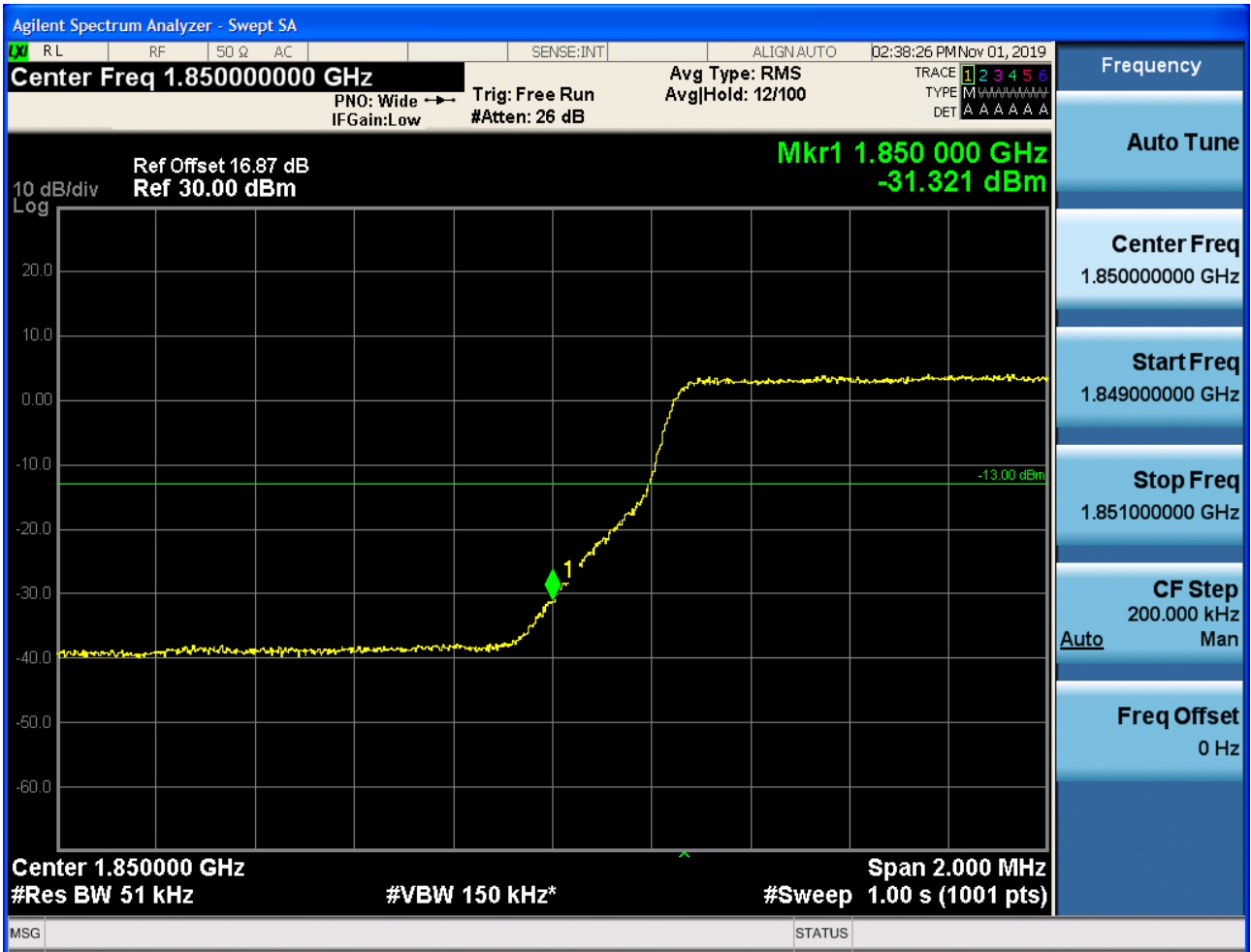


5.1.1.1.3.1.3 Test RB = RB12#6





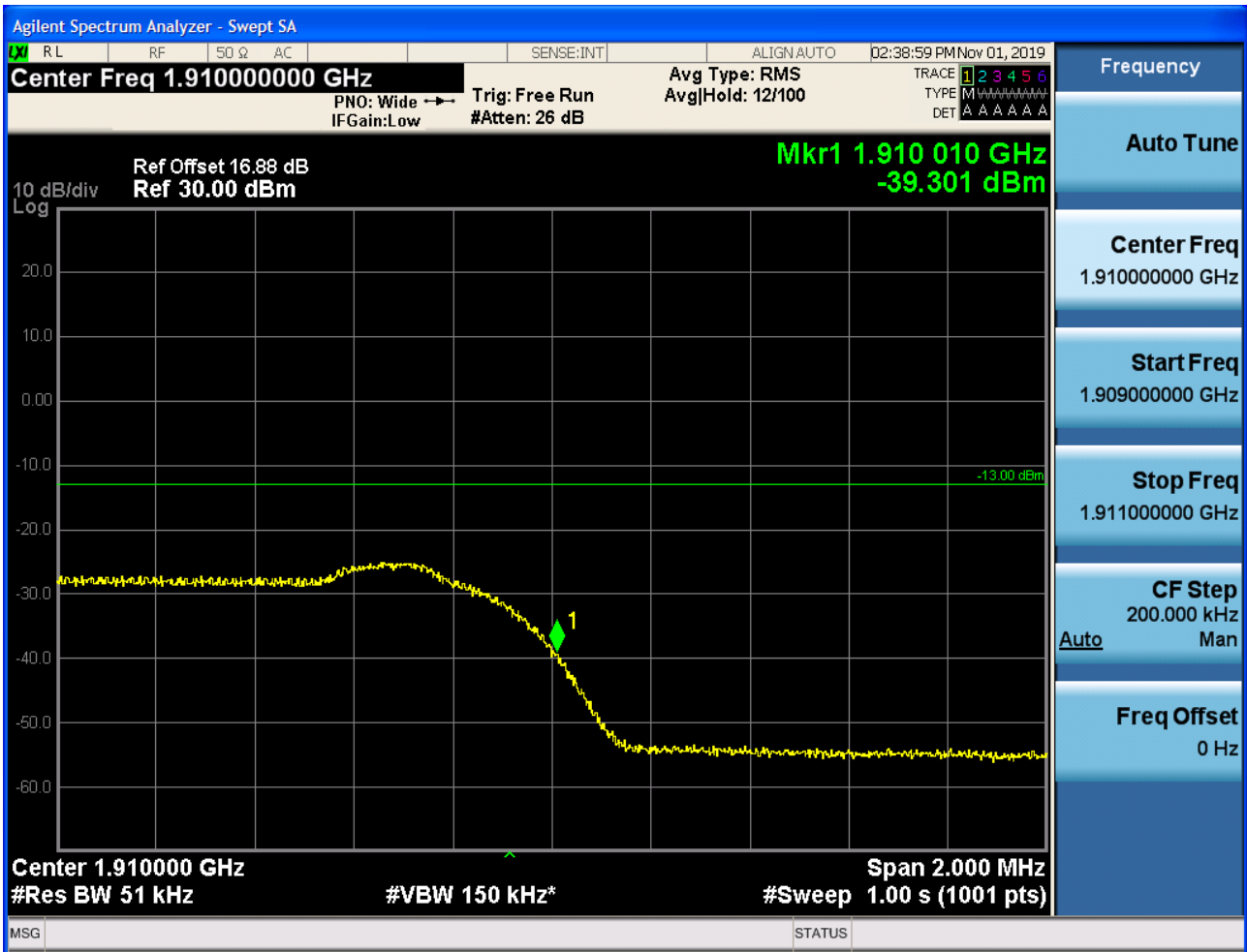
5.1.1.1.3.1.4 Test RB = RB25#0





5.1.1.1.3.2 Test Channel = HCH

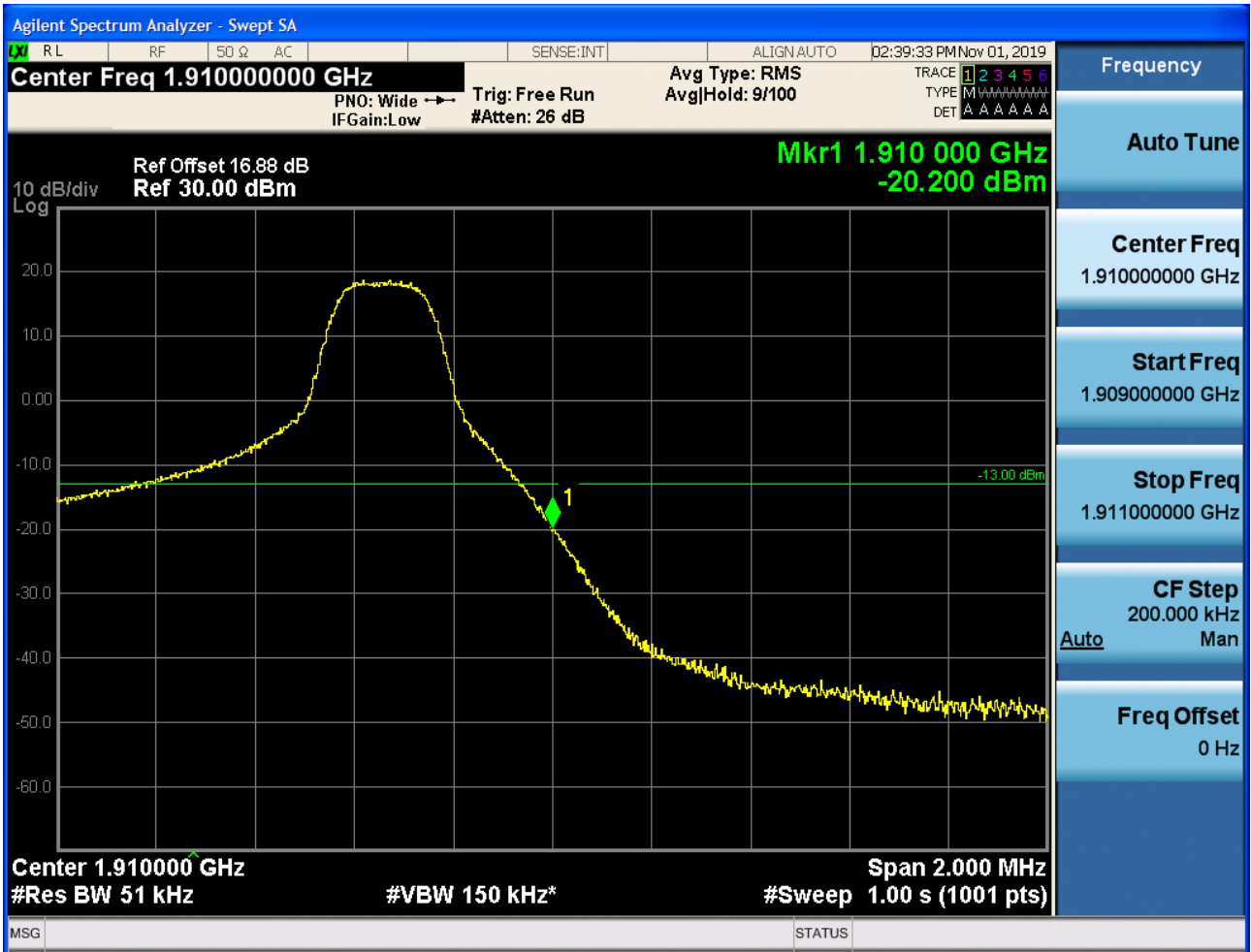
5.1.1.1.3.2.1 Test RB = RB1#0







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

