



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]	ERP [dBm]	Limtt [dBm]	Verdict
BAND5	LTE/TM1	1.4	LCH	RB1#0	22.53	18.38	38.5	PASS
				RB1#3	22.67	18.52	38.5	PASS
				RB1#5	22.64	18.49	38.5	PASS
				RB3#0	22.66	18.51	38.5	PASS
				RB3#2	22.75	18.6	38.5	PASS
				RB3#3	22.64	18.49	38.5	PASS
				RB6#0	21.73	17.58	38.5	PASS
			MCH	RB1#0	22.62	18.47	38.5	PASS
				RB1#3	23.23	19.08	38.5	PASS
				RB1#5	22.64	18.49	38.5	PASS
				RB3#0	22.56	18.41	38.5	PASS
				RB3#2	22.66	18.51	38.5	PASS
				RB3#3	22.61	18.46	38.5	PASS
				RB6#0	21.61	17.46	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limtt [dBm]	Verdict
			HCH	RB1#0	22.53	18.38	38.5	PASS
				RB1#3	23.18	19.03	38.5	PASS
				RB1#5	22.58	18.43	38.5	PASS
				RB3#0	22.41	18.26	38.5	PASS
				RB3#2	22.38	18.23	38.5	PASS
				RB3#3	22.35	18.2	38.5	PASS
				RB6#0	21.6	17.45	38.5	PASS
		3	LCH	RB1#0	22.82	18.67	38.5	PASS
				RB1#7	22.74	18.59	38.5	PASS
				RB1#14	22.64	18.49	38.5	PASS
				RB8#0	21.69	17.54	38.5	PASS
				RB8#4	21.49	17.34	38.5	PASS
				RB8#7	21.55	17.4	38.5	PASS
				RB15#0	21.63	17.48	38.5	PASS
			MCH	RB1#0	22.67	18.52	38.5	PASS
				RB1#7	22.79	18.64	38.5	PASS
				RB1#14	22.85	18.7	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limtt [dBm]	Verdict
				RB8#0	21.53	17.38	38.5	PASS
				RB8#4	21.57	17.42	38.5	PASS
				RB8#7	21.66	17.51	38.5	PASS
				RB15#0	21.58	17.43	38.5	PASS
			HCH	RB1#0	22.67	18.52	38.5	PASS
				RB1#7	22.71	18.56	38.5	PASS
				RB1#14	22.54	18.39	38.5	PASS
				RB8#0	21.53	17.38	38.5	PASS
				RB8#4	21.53	17.38	38.5	PASS
				RB8#7	21.52	17.37	38.5	PASS
				RB15#0	21.58	17.43	38.5	PASS
		5	LCH	RB1#0	22.02	17.87	38.5	PASS
				RB1#13	22.12	17.97	38.5	PASS
				RB1#24	22.08	17.93	38.5	PASS
				RB12#0	21.69	17.54	38.5	PASS
				RB12#6	21.48	17.33	38.5	PASS
				RB12#13	21.5	17.35	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limtt [dBm]	Verdict
				RB25#0	21.63	17.48	38.5	PASS
			MCH	RB1#0	22.54	18.39	38.5	PASS
				RB1#13	22.66	18.51	38.5	PASS
				RB1#24	22.76	18.61	38.5	PASS
				RB12#0	21.5	17.35	38.5	PASS
				RB12#6	21.46	17.31	38.5	PASS
				RB12#13	21.65	17.5	38.5	PASS
				RB25#0	21.58	17.43	38.5	PASS
			HCH	RB1#0	22.69	18.54	38.5	PASS
				RB1#13	22.65	18.5	38.5	PASS
				RB1#24	22.56	18.41	38.5	PASS
				RB12#0	21.61	17.46	38.5	PASS
				RB12#6	21.58	17.43	38.5	PASS
				RB12#13	21.49	17.34	38.5	PASS
				RB25#0	21.48	17.33	38.5	PASS
		10	LCH	RB1#0	22.68	18.53	38.5	PASS
				RB1#25	22.66	18.51	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limtt [dBm]	Verdict
				RB1#49	22.52	18.37	38.5	PASS
				RB25#0	21.73	17.58	38.5	PASS
				RB25#13	21.55	17.4	38.5	PASS
				RB25#25	21.57	17.42	38.5	PASS
				RB50#0	21.58	17.43	38.5	PASS
			MCH	RB1#0	22.75	18.6	38.5	PASS
				RB1#25	22.94	18.79	38.5	PASS
				RB1#49	22.69	18.54	38.5	PASS
				RB25#0	21.65	17.5	38.5	PASS
				RB25#13	21.59	17.44	38.5	PASS
				RB25#25	21.7	17.55	38.5	PASS
				RB50#0	21.56	17.41	38.5	PASS
			HCH	RB1#0	22.86	18.71	38.5	PASS
				RB1#25	23.01	18.86	38.5	PASS
				RB1#49	22.68	18.53	38.5	PASS
				RB25#0	21.61	17.46	38.5	PASS
				RB25#13	21.55	17.4	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limtt [dBm]	Verdict
				RB25#25	21.7	17.55	38.5	PASS
				RB50#0	21.65	17.5	38.5	PASS
	LTE/TM2	1.4	LCH	RB1#0	22	17.85	38.5	PASS
				RB1#3	21.98	17.83	38.5	PASS
				RB1#5	22.67	18.52	38.5	PASS
				RB3#0	21.63	17.48	38.5	PASS
				RB3#2	21.69	17.54	38.5	PASS
				RB3#3	21.6	17.45	38.5	PASS
				RB6#0	20.57	16.42	38.5	PASS
			MCH	RB1#0	22.05	17.9	38.5	PASS
				RB1#3	22.33	18.18	38.5	PASS
				RB1#5	22.15	18	38.5	PASS
				RB3#0	21.98	17.83	38.5	PASS
				RB3#2	21.96	17.81	38.5	PASS
				RB3#3	22.01	17.86	38.5	PASS
				RB6#0	20.78	16.63	38.5	PASS
			HCH	RB1#0	21.97	17.82	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limtt [dBm]	Verdict
				RB1#3	22.17	18.02	38.5	PASS
				RB1#5	21.96	17.81	38.5	PASS
				RB3#0	21.68	17.53	38.5	PASS
				RB3#2	21.52	17.37	38.5	PASS
				RB3#3	21.4	17.25	38.5	PASS
				RB6#0	20.64	16.49	38.5	PASS
		3	LCH	RB1#0	21.67	17.52	38.5	PASS
				RB1#7	21.77	17.62	38.5	PASS
				RB1#14	21.51	17.36	38.5	PASS
				RB8#0	20.67	16.52	38.5	PASS
				RB8#4	20.69	16.54	38.5	PASS
				RB8#7	20.58	16.43	38.5	PASS
				RB15#0	20.6	16.45	38.5	PASS
			MCH	RB1#0	21.99	17.84	38.5	PASS
				RB1#7	20.84	16.69	38.5	PASS
				RB1#14	21.99	17.84	38.5	PASS
				RB8#0	20.38	16.23	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limtt [dBm]	Verdict
				RB8#4	20.49	16.34	38.5	PASS
				RB8#7	20.57	16.42	38.5	PASS
				RB15#0	20.77	16.62	38.5	PASS
			HCH	RB1#0	21.71	17.56	38.5	PASS
				RB1#7	21.82	17.67	38.5	PASS
				RB1#14	20.64	16.49	38.5	PASS
				RB8#0	20.55	16.4	38.5	PASS
				RB8#4	20.52	16.37	38.5	PASS
				RB8#7	20.36	16.21	38.5	PASS
				RB15#0	20.8	16.65	38.5	PASS
		5	LCH	RB1#0	21.54	17.39	38.5	PASS
				RB1#13	21.63	17.48	38.5	PASS
				RB1#24	21.53	17.38	38.5	PASS
				RB12#0	20.38	16.23	38.5	PASS
				RB12#6	20.24	16.09	38.5	PASS
				RB12#13	20.3	16.15	38.5	PASS
				RB25#0	20.55	16.4	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limtt [dBm]	Verdict
			MCH	RB1#0	21.45	17.3	38.5	PASS
				RB1#13	21.21	17.06	38.5	PASS
				RB1#24	21.25	17.1	38.5	PASS
				RB12#0	20.52	16.37	38.5	PASS
				RB12#6	20.58	16.43	38.5	PASS
				RB12#13	20.77	16.62	38.5	PASS
				RB25#0	20.44	16.29	38.5	PASS
			HCH	RB1#0	21.26	17.11	38.5	PASS
				RB1#13	21.37	17.22	38.5	PASS
				RB1#24	21.34	17.19	38.5	PASS
				RB12#0	20.76	16.61	38.5	PASS
				RB12#6	20.6	16.45	38.5	PASS
				RB12#13	20.51	16.36	38.5	PASS
				RB25#0	20.33	16.18	38.5	PASS
		10	LCH	RB1#0	22.27	18.12	38.5	PASS
				RB1#25	21.85	17.7	38.5	PASS
				RB1#49	21.72	17.57	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limtt [dBm]	Verdict
				RB25#0	20.49	16.34	38.5	PASS
				RB25#13	20.41	16.26	38.5	PASS
				RB25#25	20.44	16.29	38.5	PASS
				RB50#0	20.59	16.44	38.5	PASS
			MCH	RB1#0	21.77	17.62	38.5	PASS
				RB1#25	21.88	17.73	38.5	PASS
				RB1#49	21.72	17.57	38.5	PASS
				RB25#0	20.81	16.66	38.5	PASS
				RB25#13	20.74	16.59	38.5	PASS
				RB25#25	20.83	16.68	38.5	PASS
				RB50#0	20.62	16.47	38.5	PASS
			HCH	RB1#0	22.09	17.94	38.5	PASS
				RB1#25	22.01	17.86	38.5	PASS
				RB1#49	21.72	17.57	38.5	PASS
				RB25#0	20.78	16.63	38.5	PASS
				RB25#13	20.68	16.53	38.5	PASS
				RB25#25	20.73	16.58	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limtt [dBm]	Verdict
				RB50#0	20.45	16.3	38.5	PASS
BAND17	LTE/TM1	5	LCH	RB1#0	23.1	19.95	34.7	PASS
				RB1#13	22.99	19.84	34.7	PASS
				RB1#24	22.99	19.84	34.7	PASS
				RB12#0	21.97	18.82	34.7	PASS
				RB12#6	21.87	18.72	34.7	PASS
				RB12#13	21.94	18.79	34.7	PASS
				RB25#0	21.96	18.81	34.7	PASS
			MCH	RB1#0	22.68	19.53	34.7	PASS
				RB1#13	22.59	19.44	34.7	PASS
				RB1#24	22.85	19.7	34.7	PASS
				RB12#0	21.88	18.73	34.7	PASS
				RB12#6	21.89	18.74	34.7	PASS
				RB12#13	21.95	18.8	34.7	PASS
				RB25#0	21.92	18.77	34.7	PASS
			HCH	RB1#0	22.97	19.82	34.7	PASS
				RB1#13	23.13	19.98	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limtt [dBm]	Verdict
				RB1#24	22.98	19.83	34.7	PASS
				RB12#0	21.95	18.8	34.7	PASS
				RB12#6	21.95	18.8	34.7	PASS
				RB12#13	21.91	18.76	34.7	PASS
				RB25#0	21.93	18.78	34.7	PASS
		10	LCH	RB1#0	23.85	20.7	34.7	PASS
				RB1#25	23.03	19.88	34.7	PASS
				RB1#49	23.23	20.08	34.7	PASS
				RB25#0	22.04	18.89	34.7	PASS
				RB25#13	21.94	18.79	34.7	PASS
				RB25#25	22.09	18.94	34.7	PASS
				RB50#0	22.07	18.92	34.7	PASS
			MCH	RB1#0	23.31	20.16	34.7	PASS
				RB1#25	23.11	19.96	34.7	PASS
				RB1#49	23.17	20.02	34.7	PASS
				RB25#0	22.08	18.93	34.7	PASS
				RB25#13	21.93	18.78	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limtt [dBm]	Verdict
				RB25#25	22.05	18.9	34.7	PASS
				RB50#0	21.95	18.8	34.7	PASS
			HCH	RB1#0	23.25	20.1	34.7	PASS
				RB1#25	23.18	20.03	34.7	PASS
				RB1#49	23.14	19.99	34.7	PASS
				RB25#0	21.97	18.82	34.7	PASS
				RB25#13	22	18.85	34.7	PASS
				RB25#25	22	18.85	34.7	PASS
				RB50#0	21.98	18.83	34.7	PASS
	LTE/TM2	5	LCH	RB1#0	21.6	18.45	34.7	PASS
				RB1#13	21.54	18.39	34.7	PASS
				RB1#24	21.79	18.64	34.7	PASS
				RB12#0	21.12	17.97	34.7	PASS
				RB12#6	20.95	17.8	34.7	PASS
				RB12#13	21.03	17.88	34.7	PASS
				RB25#0	21.08	17.93	34.7	PASS
			MCH	RB1#0	22.09	18.94	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limtt [dBm]	Verdict
				RB1#13	21.84	18.69	34.7	PASS
				RB1#24	21.72	18.57	34.7	PASS
				RB12#0	20.8	17.65	34.7	PASS
				RB12#6	21.12	17.97	34.7	PASS
				RB12#13	20.61	17.46	34.7	PASS
				RB25#0	20.93	17.78	34.7	PASS
			HCH	RB1#0	21.56	18.41	34.7	PASS
				RB1#13	21.49	18.34	34.7	PASS
				RB1#24	21.64	18.49	34.7	PASS
				RB12#0	20.92	17.77	34.7	PASS
				RB12#6	21.03	17.88	34.7	PASS
				RB12#13	21.01	17.86	34.7	PASS
				RB25#0	20.85	17.7	34.7	PASS
		10	LCH	RB1#0	22.68	19.53	34.7	PASS
				RB1#25	22.18	19.03	34.7	PASS
				RB1#49	22.26	19.11	34.7	PASS
				RB25#0	21.22	18.07	34.7	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limtt [dBm]	Verdict
				RB25#13	20.92	17.77	34.7	PASS
				RB25#25	20.93	17.78	34.7	PASS
				RB50#0	20.92	17.77	34.7	PASS
			MCH	RB1#0	22.45	19.3	34.7	PASS
				RB1#25	22.37	19.22	34.7	PASS
				RB1#49	22.18	19.03	34.7	PASS
				RB25#0	21.16	18.01	34.7	PASS
				RB25#13	21.01	17.86	34.7	PASS
				RB25#25	20.85	17.7	34.7	PASS
				RB50#0	20.98	17.83	34.7	PASS
			HCH	RB1#0	21.09	17.94	34.7	PASS
				RB1#25	21.27	18.12	34.7	PASS
				RB1#49	22	18.85	34.7	PASS
				RB25#0	21.01	17.86	34.7	PASS
				RB25#13	20.91	17.76	34.7	PASS
				RB25#25	21.12	17.97	34.7	PASS
				RB50#0	20.92	17.77	34.7	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: $\text{RBW} > \text{emission bandwidth}$, $\text{VBW} > 3 \times \text{RBW}$.

Detector: RMS



2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Void

3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

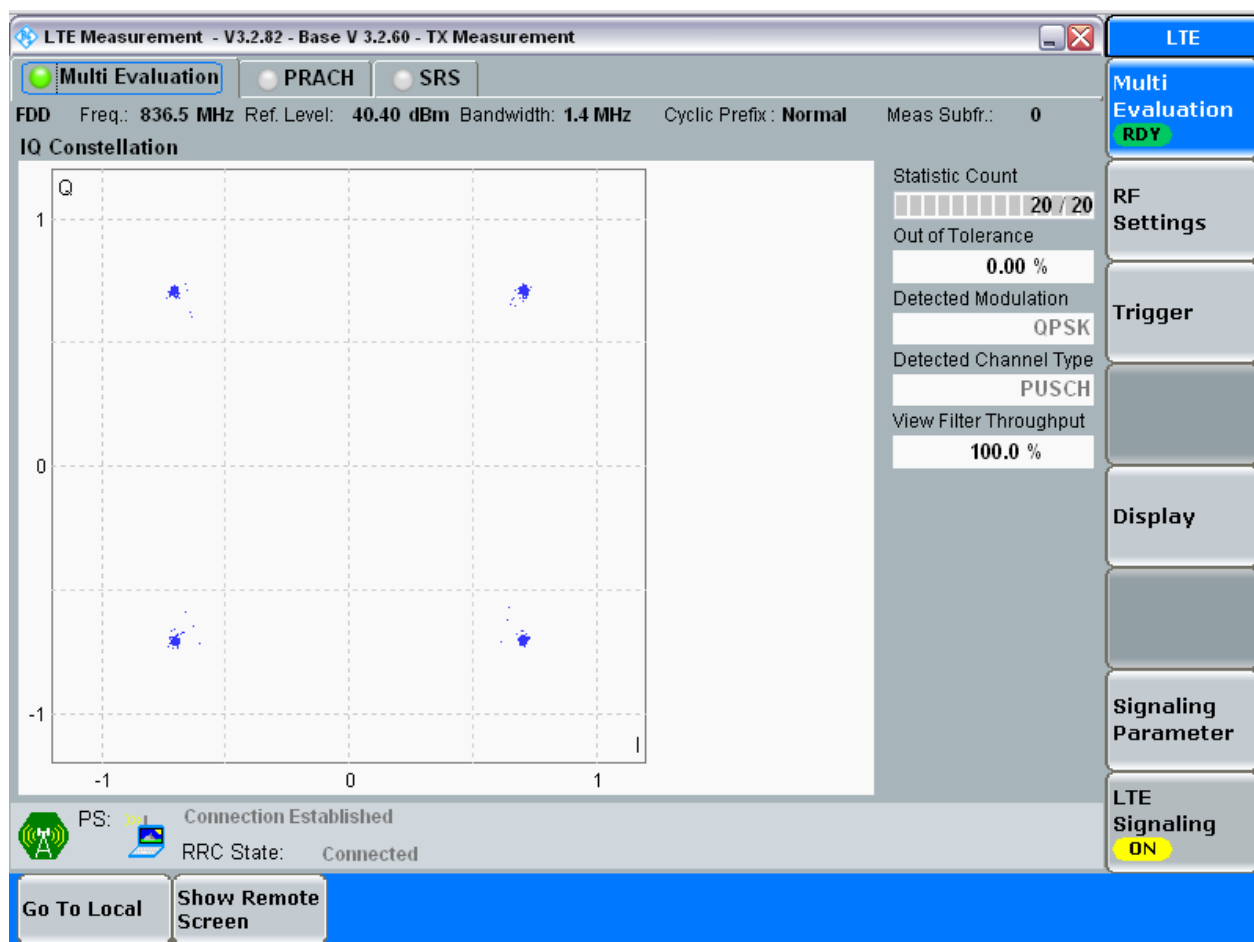
3.1.1 Test Band = BAND5

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

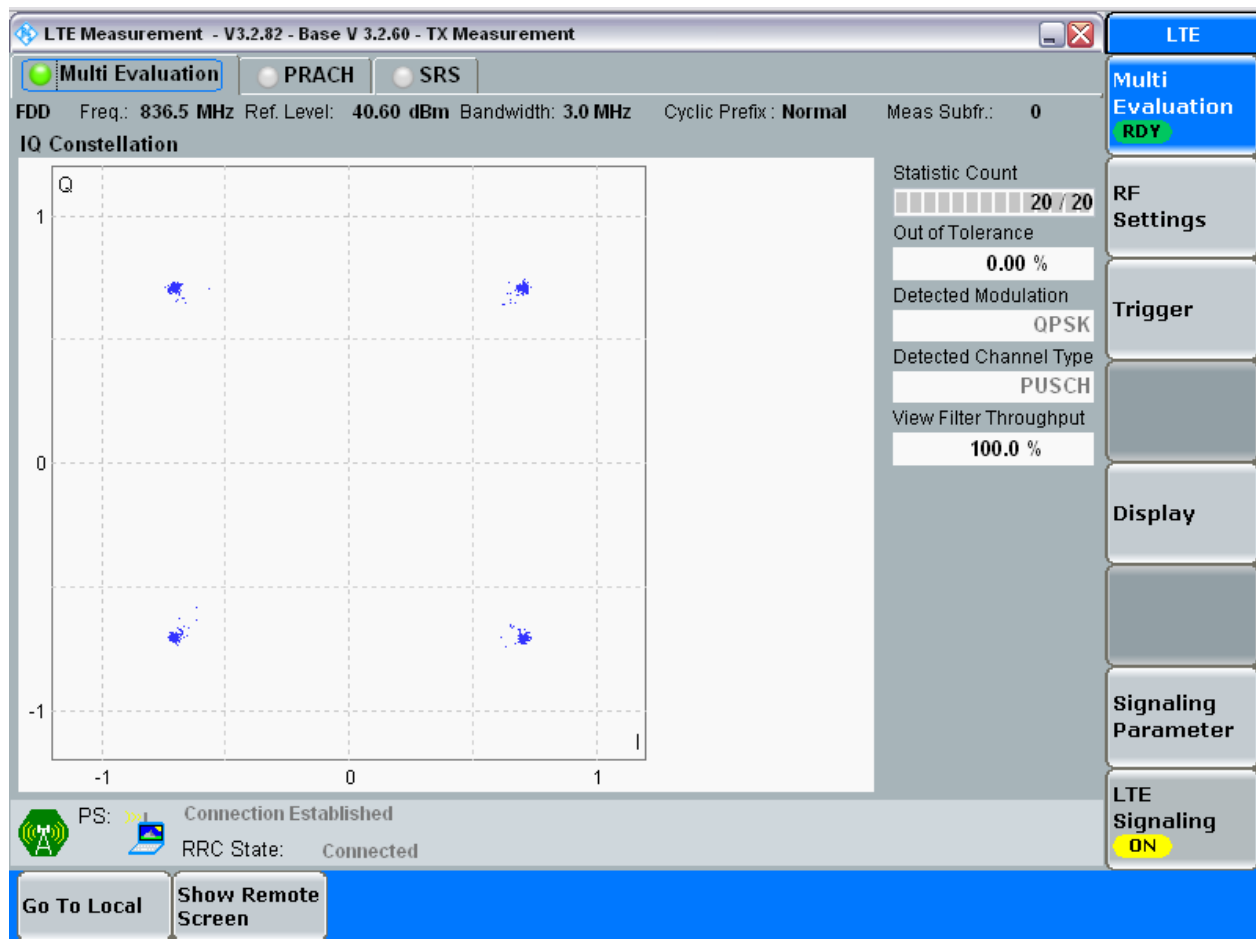
3.1.1.1.1.1.1 Test RB = RB6#0



3.1.1.1.2 Test Bandwidth = 3

3.1.1.1.2.1 Test Channel = MCH

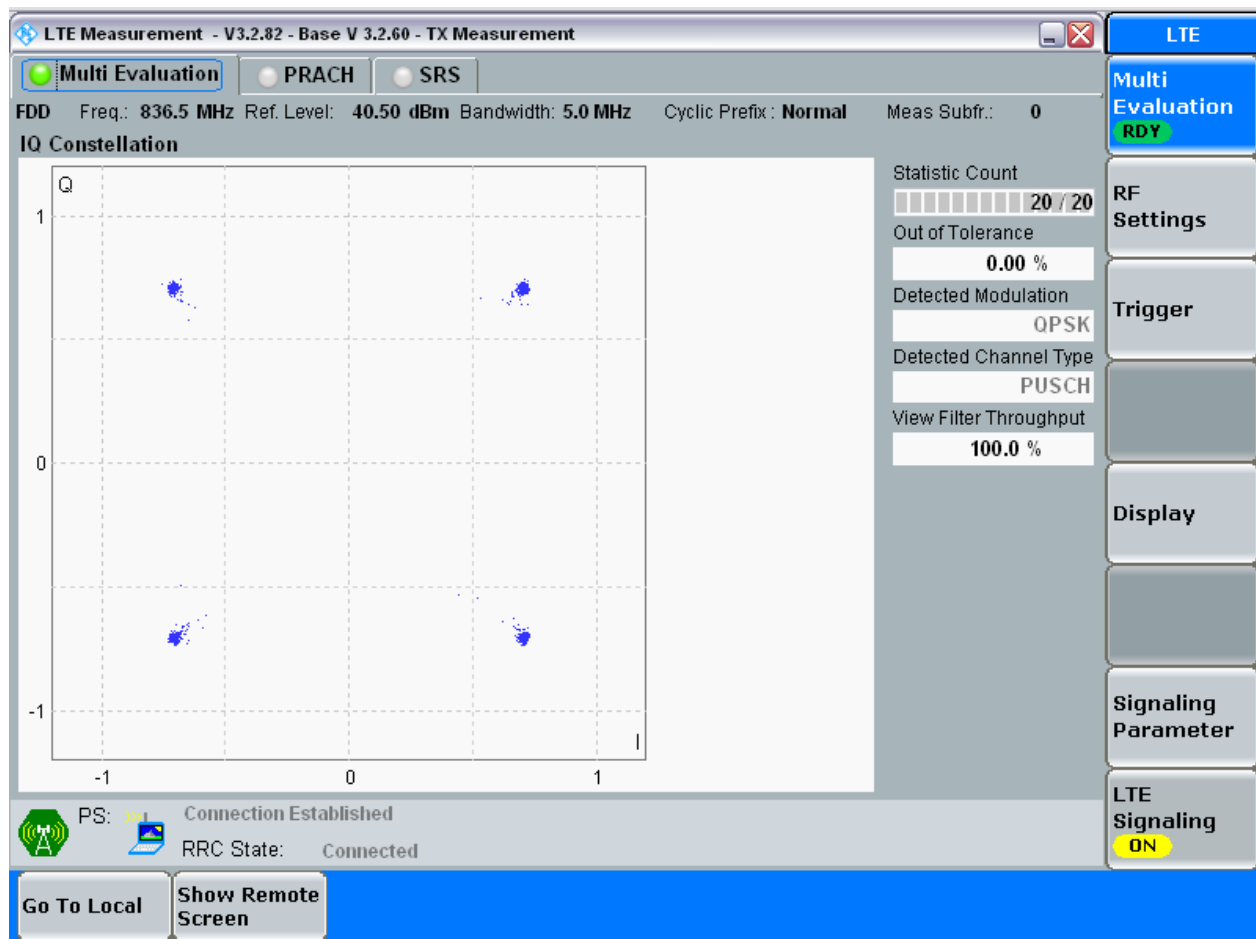
3.1.1.1.2.1.1 Test RB = RB15#0



3.1.1.1.3 Test Bandwidth = 5

3.1.1.1.3.1 Test Channel = MCH

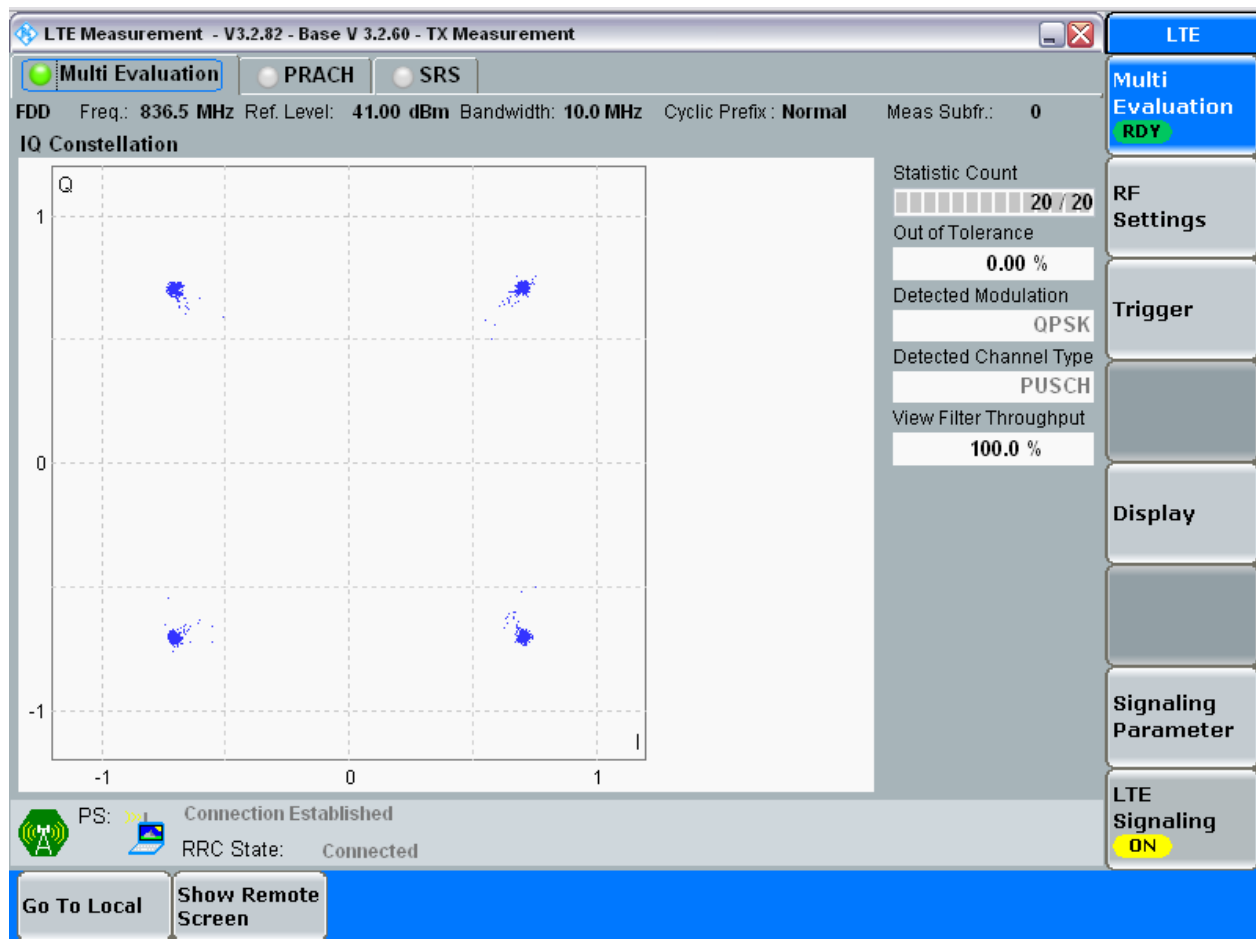
3.1.1.1.3.1.1 Test RB = RB25#0



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

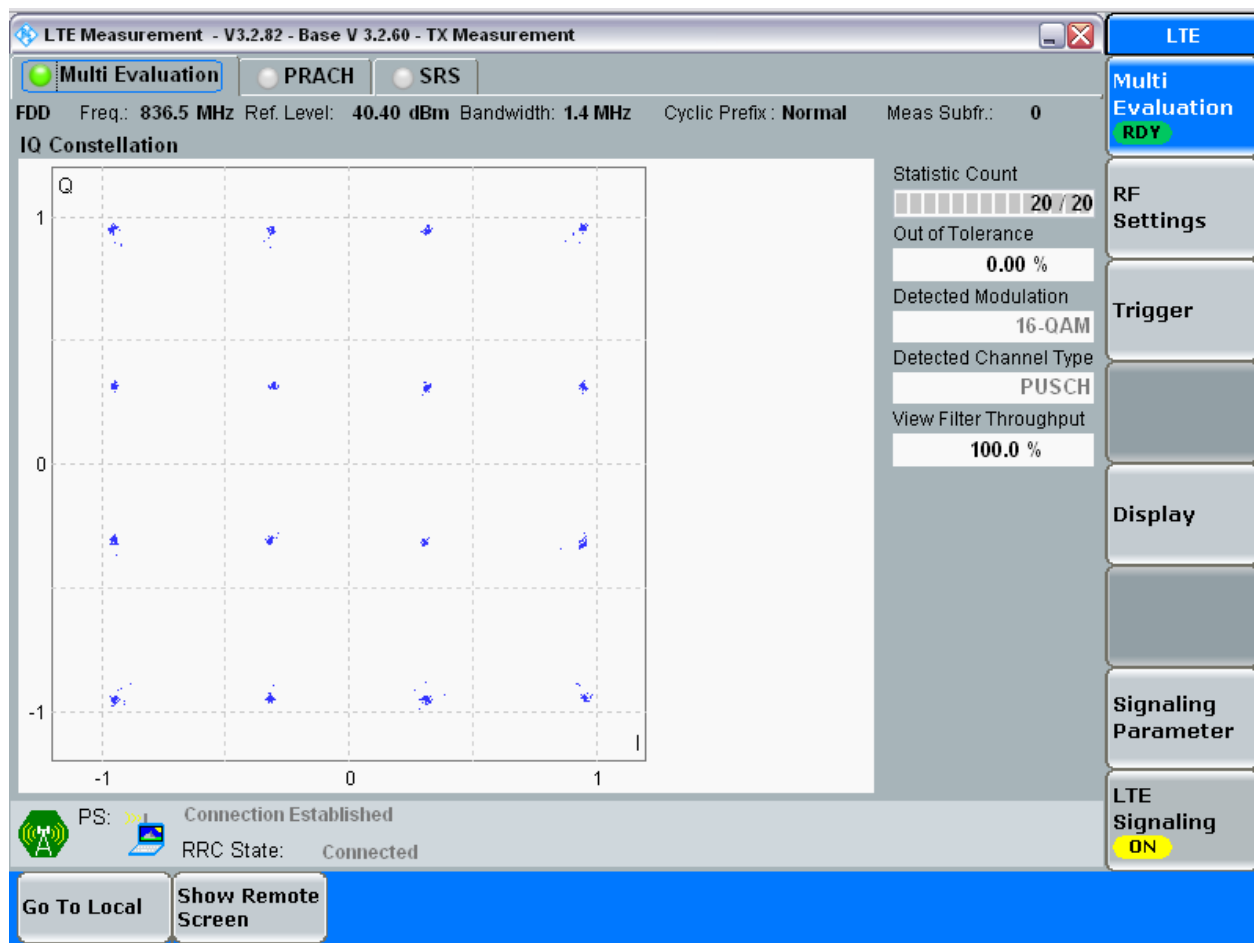


3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 1.4

3.1.1.2.1.1 Test Channel = MCH

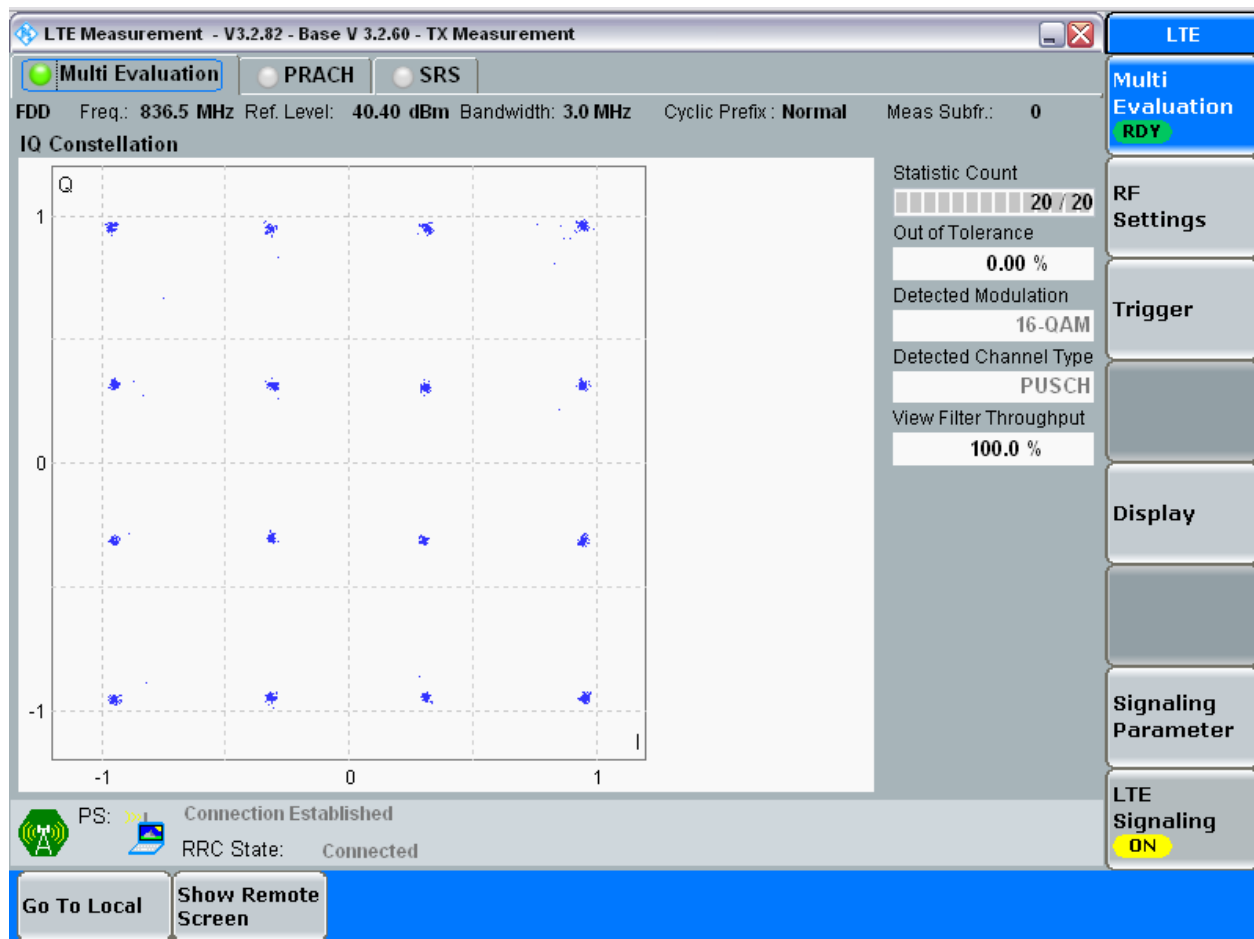
3.1.1.2.1.1.1 Test RB = RB6#0



3.1.1.2.2 Test Bandwidth = 3

3.1.1.2.2.1 Test Channel = MCH

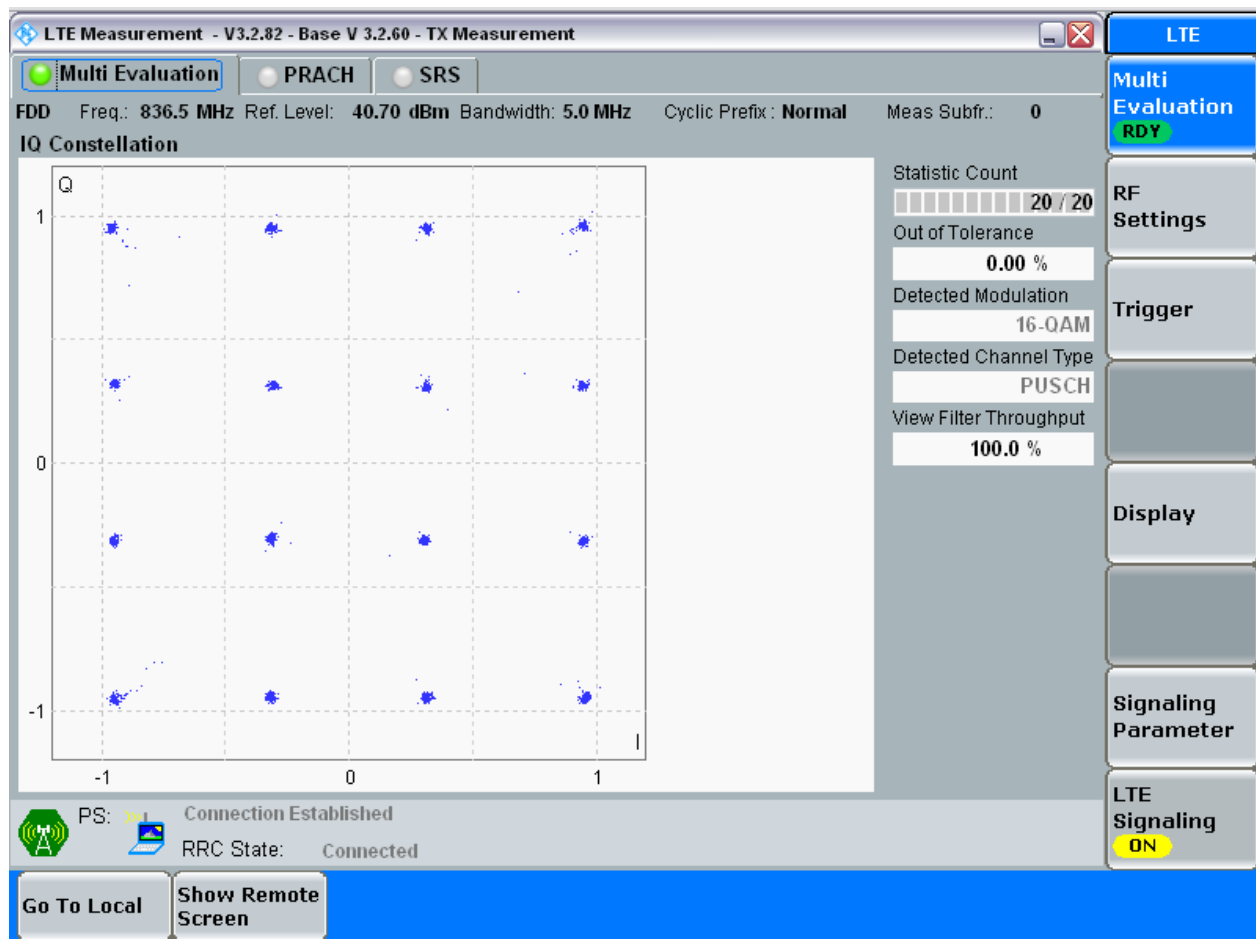
3.1.1.2.2.1.1 Test RB = RB15#0



3.1.1.2.3 Test Bandwidth = 5

3.1.1.2.3.1 Test Channel = MCH

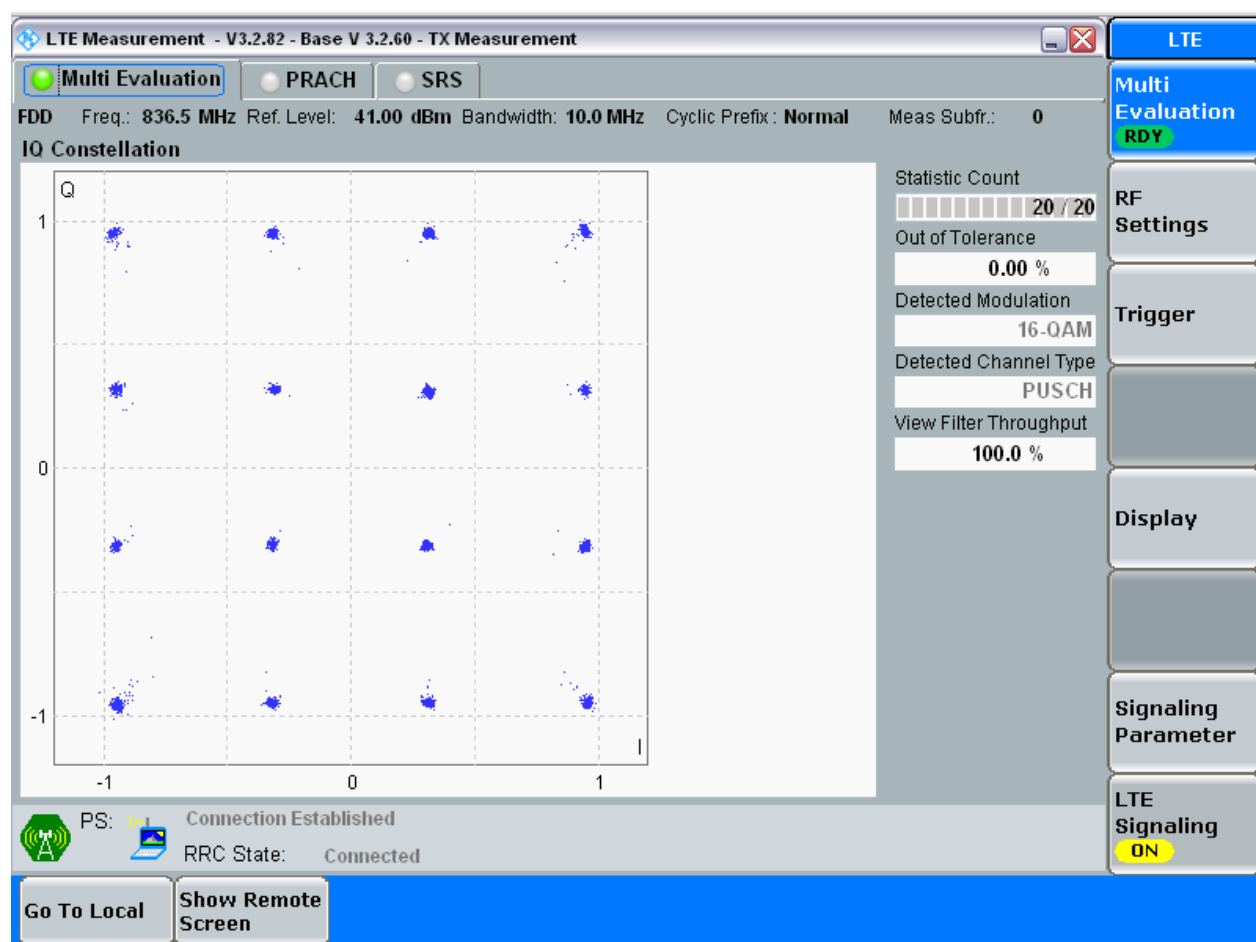
3.1.1.2.3.1.1 Test RB = RB25#0



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



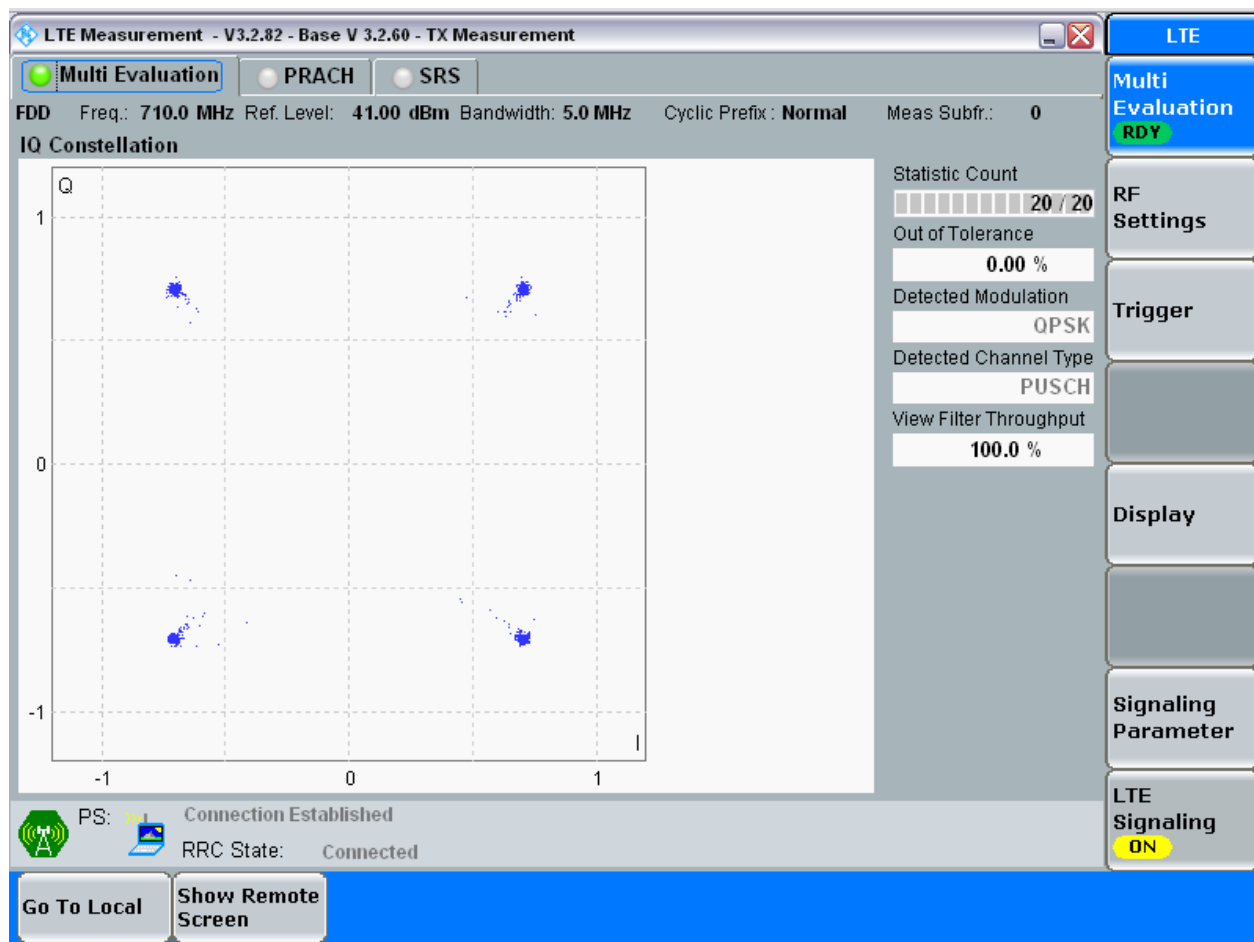
3.1.2 Test Band = BAND17

3.1.2.1 Test Mode = LTE/TM1

3.1.2.1.1 Test Bandwidth = 5

3.1.2.1.1.1 Test Channel = MCH

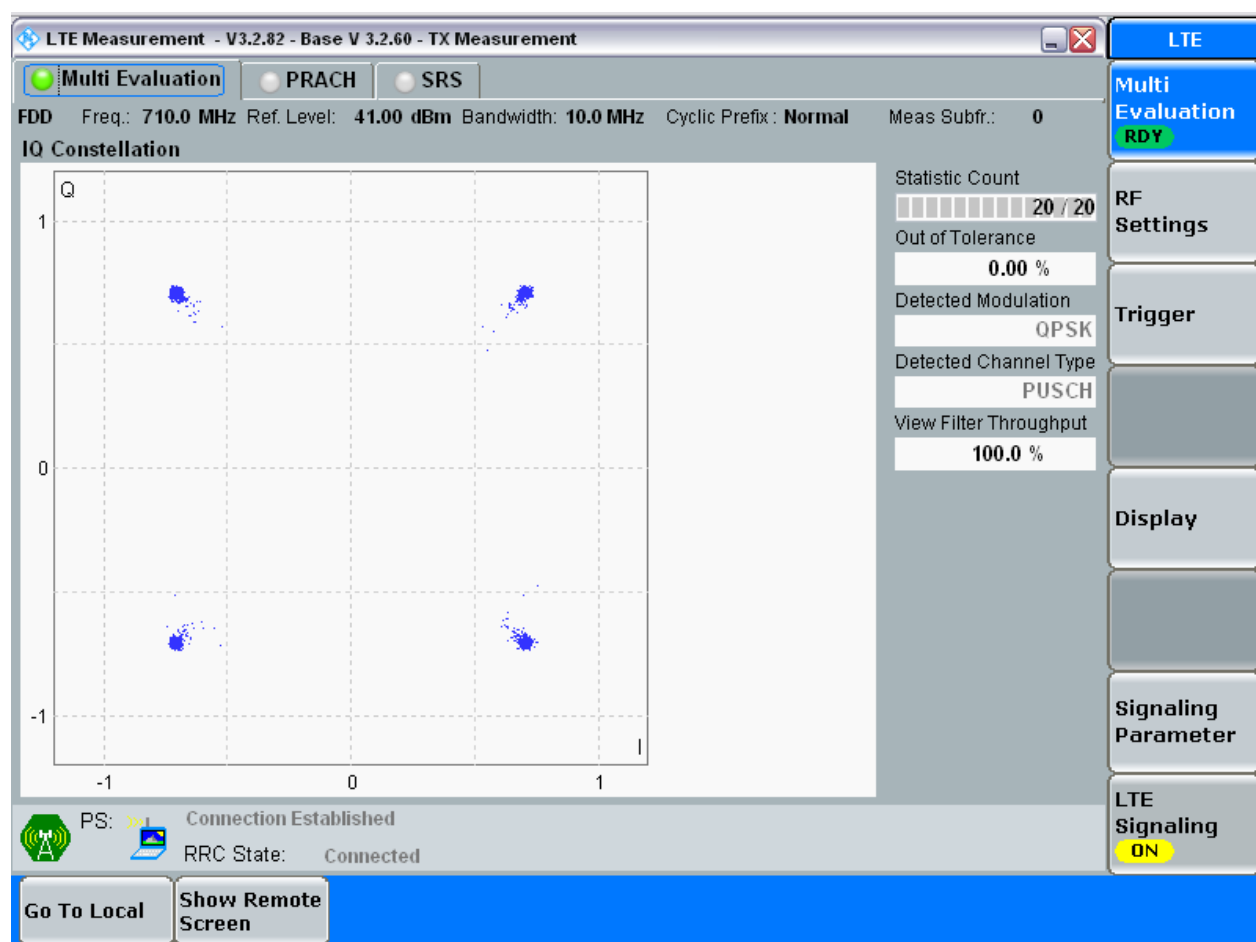
3.1.2.1.1.1.1 Test RB = RB25#0



3.1.2.1.2 Test Bandwidth = 10

3.1.2.1.2.1 Test Channel = MCH

3.1.2.1.2.1.1 Test RB = RB50#0

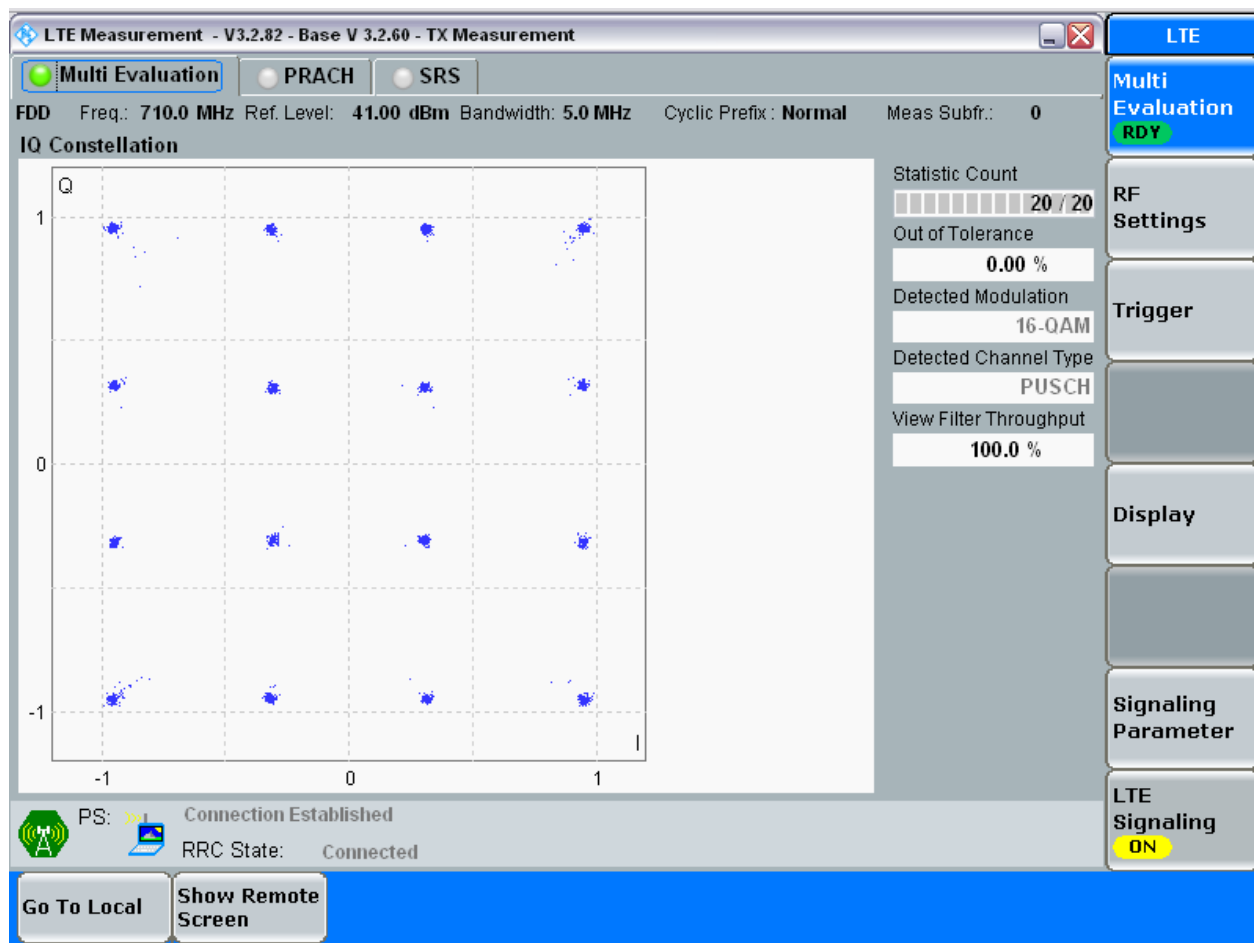


3.1.2.2 Test Mode = LTE/TM2

3.1.2.2.1 Test Bandwidth = 5

3.1.2.2.1.1 Test Channel = MCH

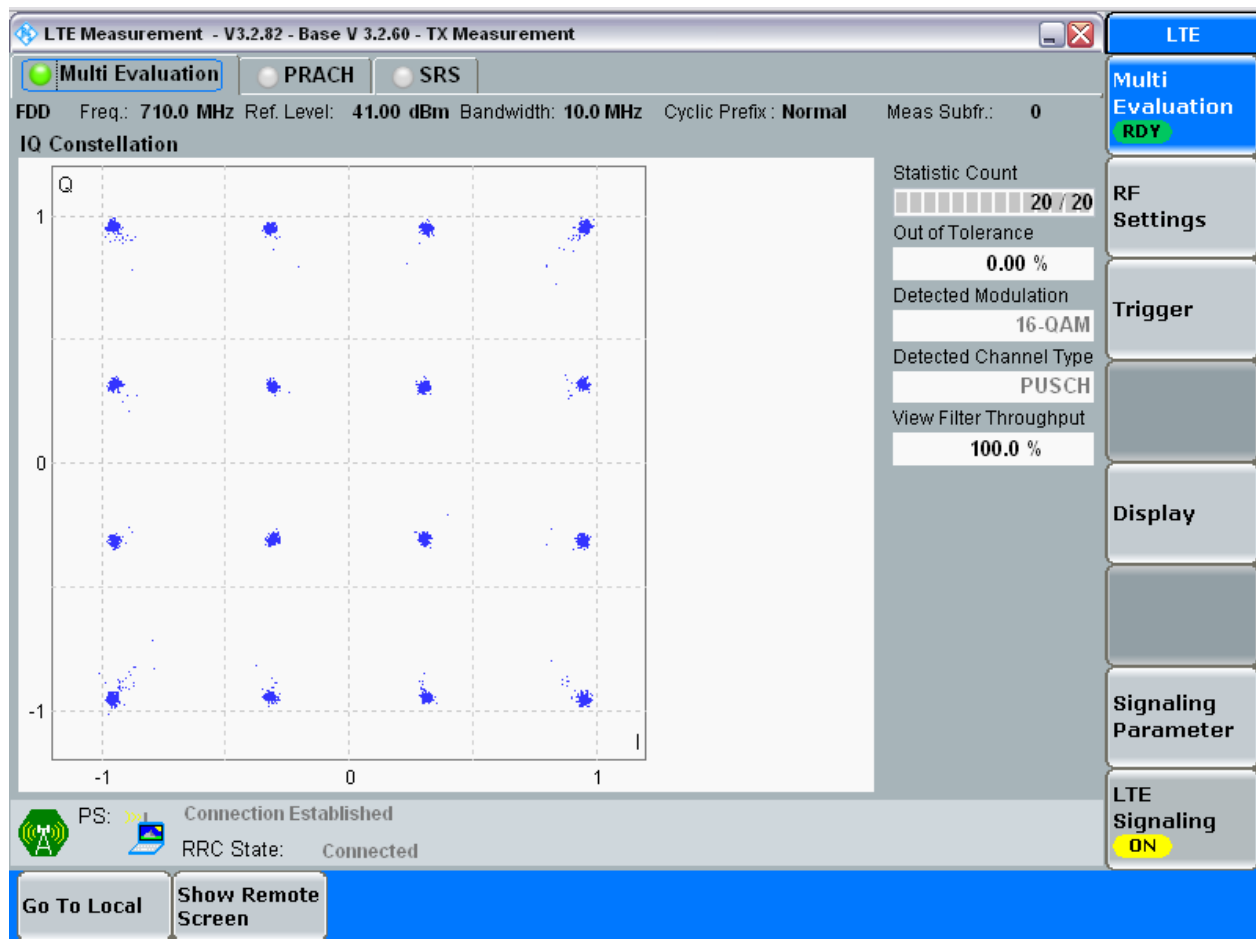
3.1.2.2.1.1.1 Test RB = RB25#0



3.1.2.2.2 Test Bandwidth = 10

3.1.2.2.2.1 Test Channel = MCH

3.1.2.2.2.1.1 Test RB = RB50#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
BAND5	LTE/TM1	1.4	LCH	RB6#0	1.09	1.26	Pass
			MCH	RB6#0	1.09	1.26	Pass
			HCH	RB6#0	1.09	1.27	Pass
		3	LCH	RB15#0	2.70	2.94	Pass
			MCH	RB15#0	2.70	2.94	Pass
			HCH	RB15#0	2.70	2.94	Pass
		5	LCH	RB25#0	4.51	4.89	Pass
			MCH	RB25#0	4.50	4.89	Pass
			HCH	RB25#0	4.50	4.86	Pass
		10	LCH	RB50#0	9.01	9.65	Pass
			MCH	RB50#0	8.98	9.61	Pass
			HCH	RB50#0	9.01	9.65	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.27	Pass
			MCH	RB6#0	1.09	1.27	Pass
			HCH	RB6#0	1.09	1.27	Pass
		3	LCH	RB15#0	2.70	2.92	Pass
			MCH	RB15#0	2.70	2.93	Pass
			HCH	RB15#0	2.70	2.93	Pass
		5	LCH	RB25#0	4.51	4.89	Pass
			MCH	RB25#0	4.51	4.86	Pass
			HCH	RB25#0	4.50	4.86	Pass
		10	LCH	RB50#0	9.01	9.61	Pass
			MCH	RB50#0	8.98	9.61	Pass
			HCH	RB50#0	9.00	9.64	Pass
BAND17	LTE/TM1	5	LCH	RB25#0	4.50	4.88	Pass
			MCH	RB25#0	4.51	4.89	Pass
			HCH	RB25#0	4.50	4.90	Pass
		10	LCH	RB50#0	9.00	9.64	Pass
			MCH	RB50#0	9.00	9.60	Pass
			HCH	RB50#0	9.01	9.66	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
	LTE/TM2	5	LCH	RB25#0	4.51	4.88	Pass
			MCH	RB25#0	4.51	4.90	Pass
			HCH	RB25#0	4.51	4.91	Pass
		10	LCH	RB50#0	9.00	9.65	Pass
			MCH	RB50#0	9.00	9.61	Pass
			HCH	RB50#0	9.00	9.64	Pass



Part II - Test Plots

4.1 For LTE

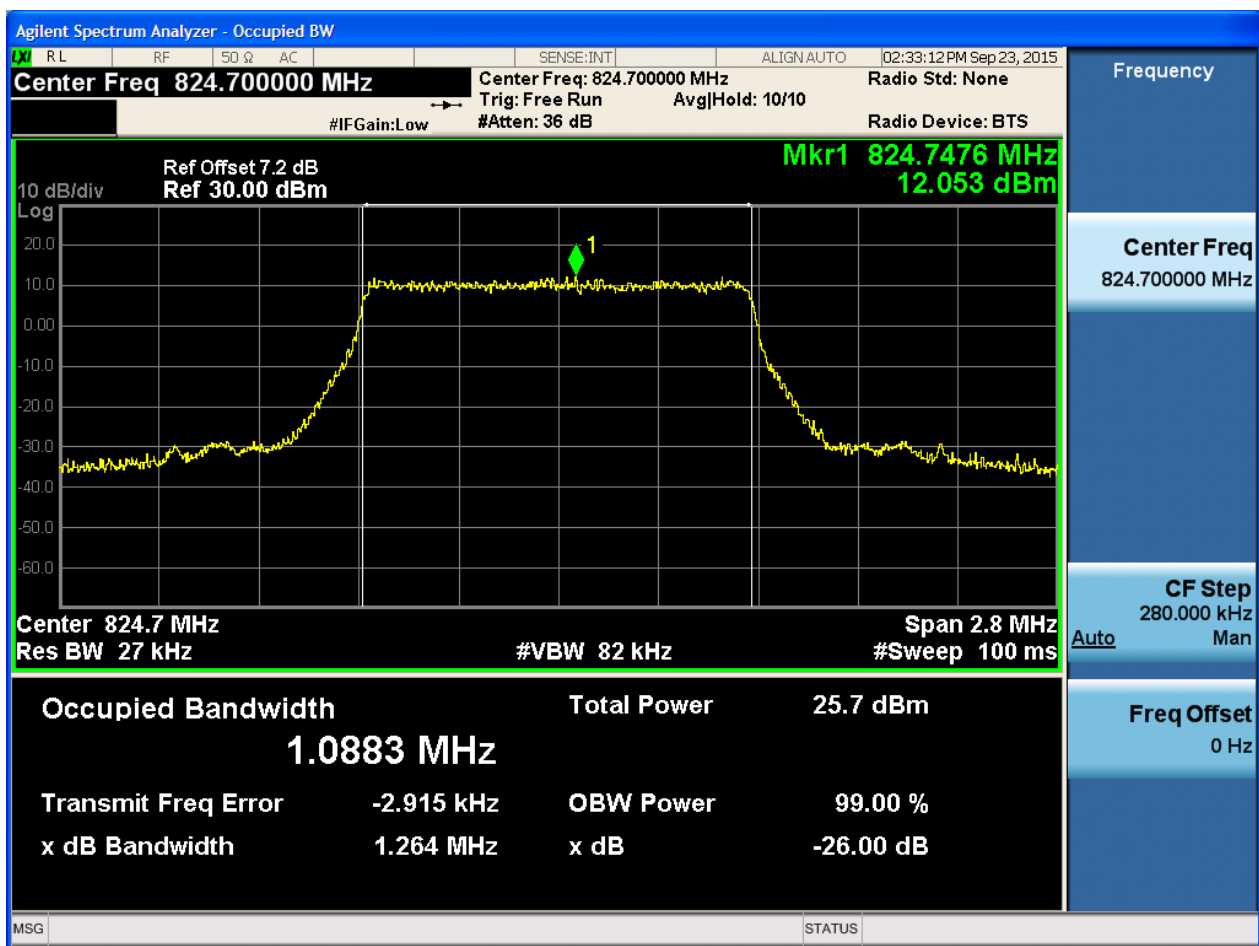
4.1.1 Test Band = BAND5

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

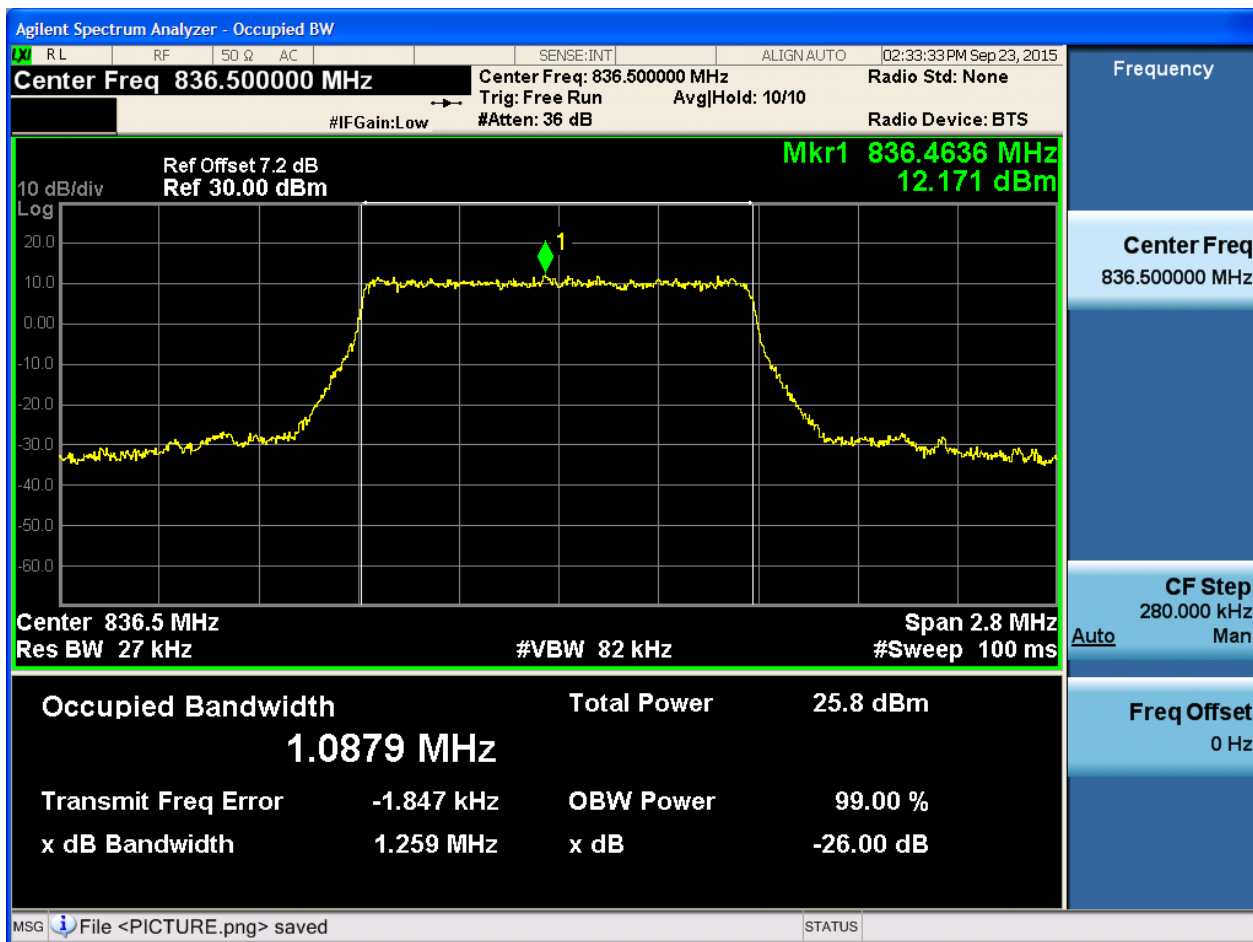
4.1.1.1.1.1.1 Test RB = RB6#0





4.1.1.1.1.2 Test Channel = MCH

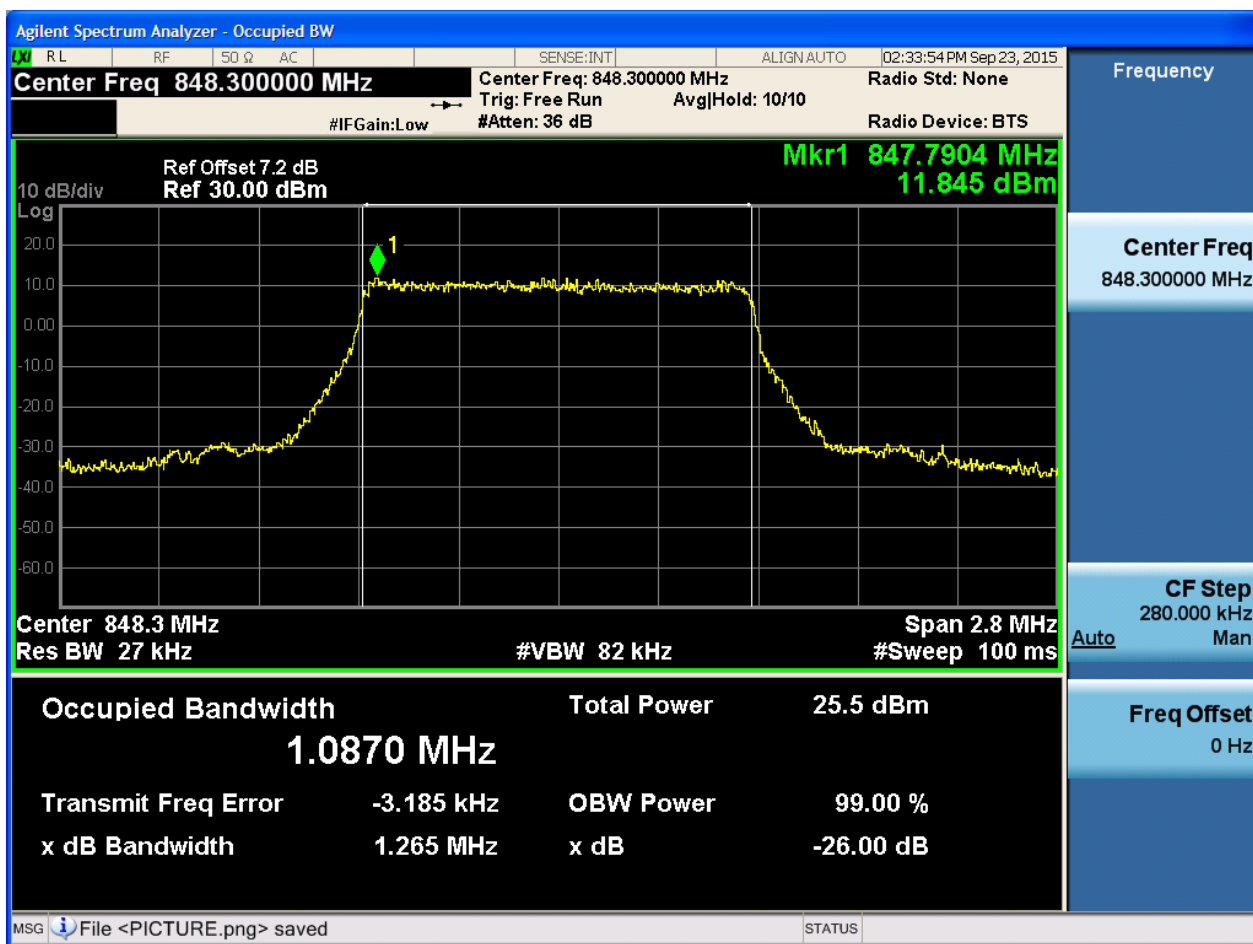
4.1.1.1.1.2.1 Test RB = RB6#0





4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB6#0

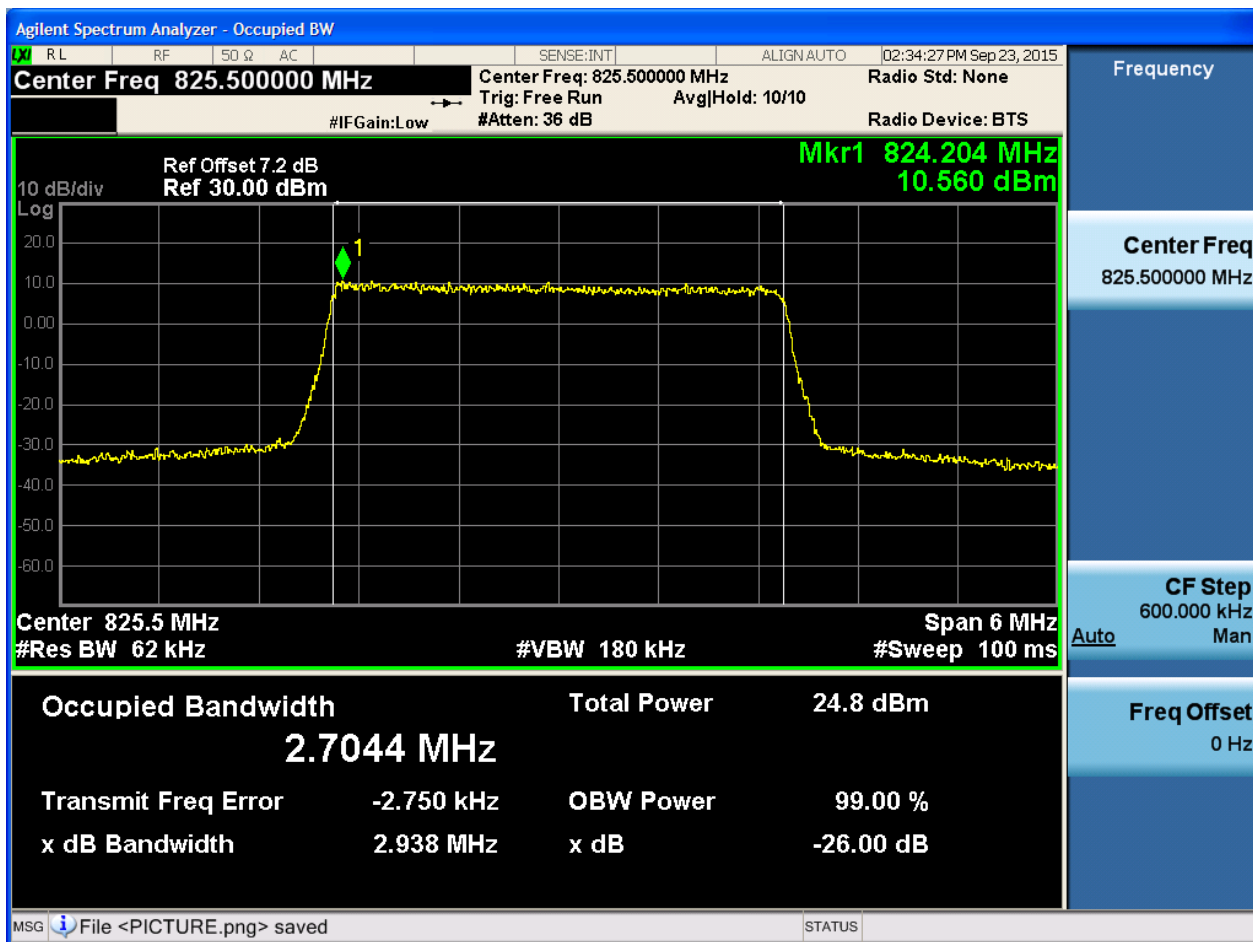




4.1.1.1.2 Test Bandwidth = 3

4.1.1.1.2.1 Test Channel = LCH

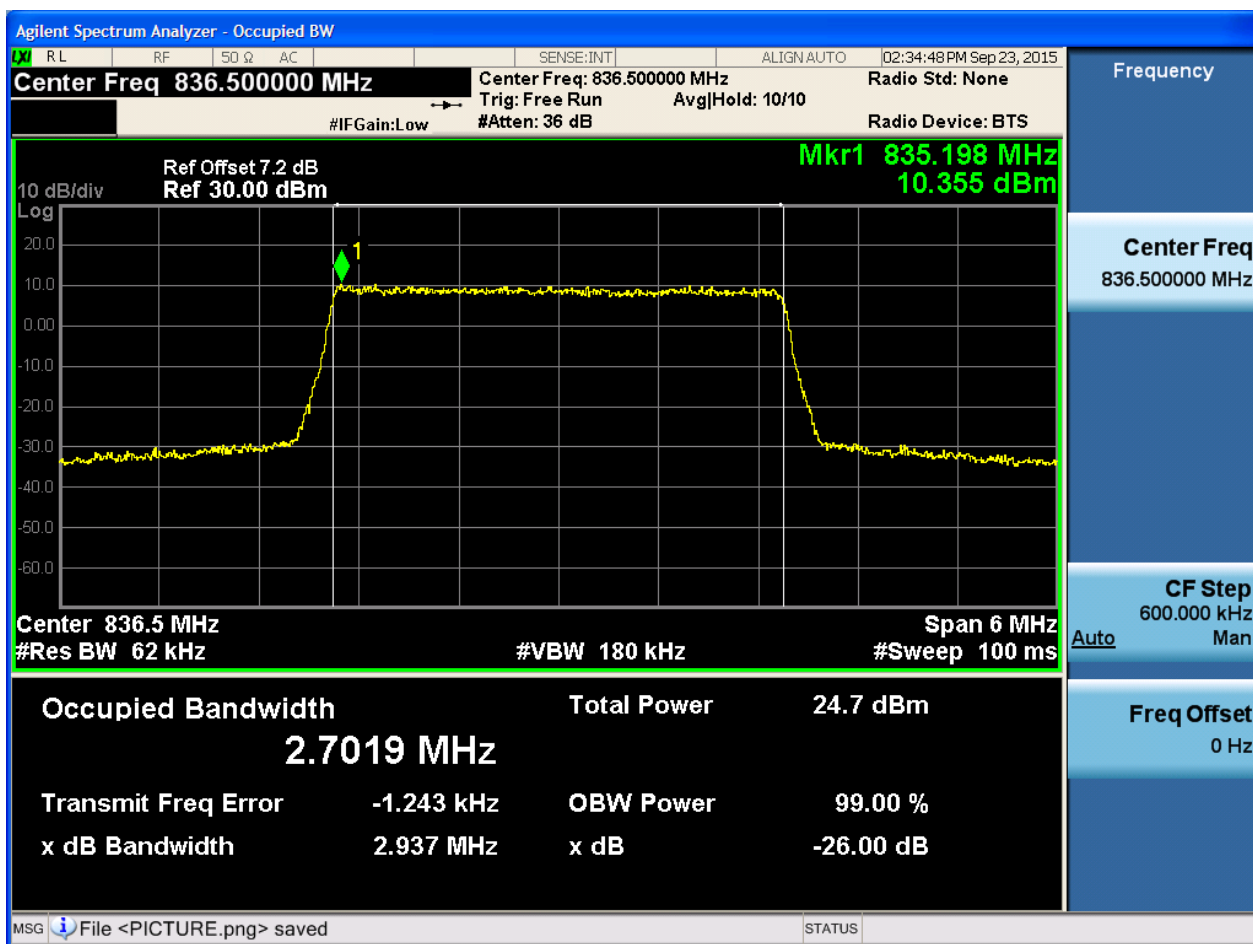
4.1.1.1.2.1.1 Test RB = RB15#0





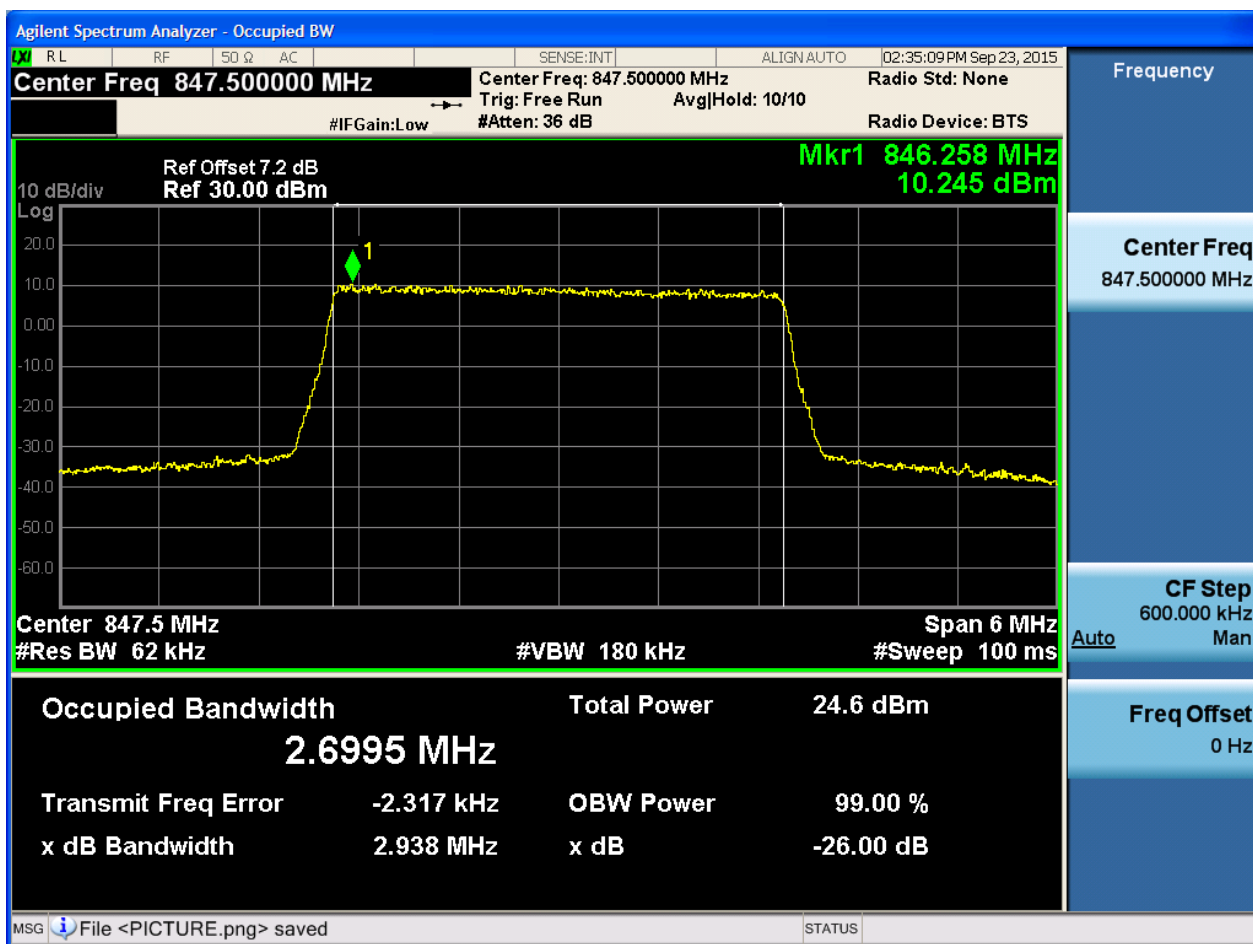
4.1.1.1.2.2 Test Channel = MCH

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

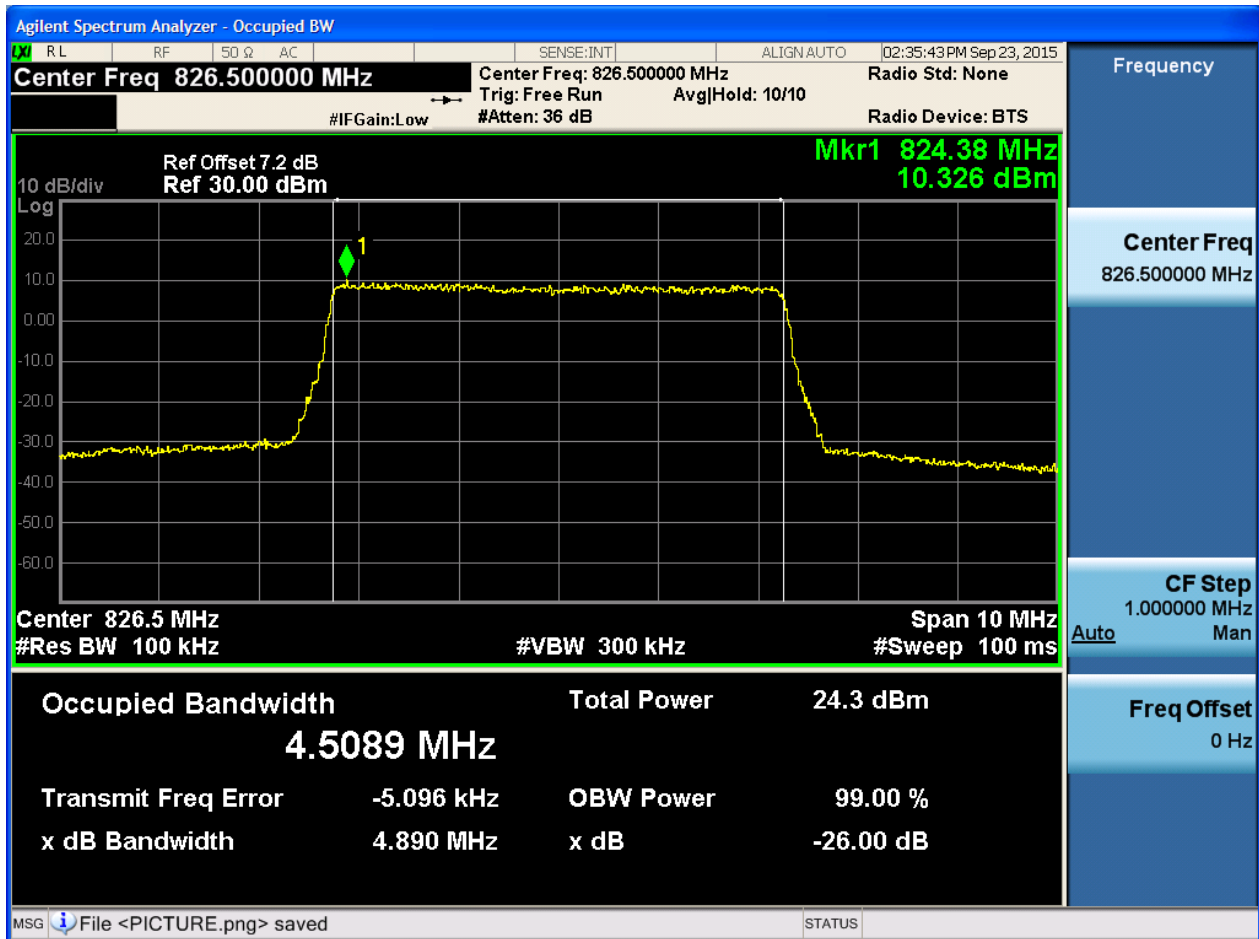




4.1.1.1.3 Test Bandwidth = 5

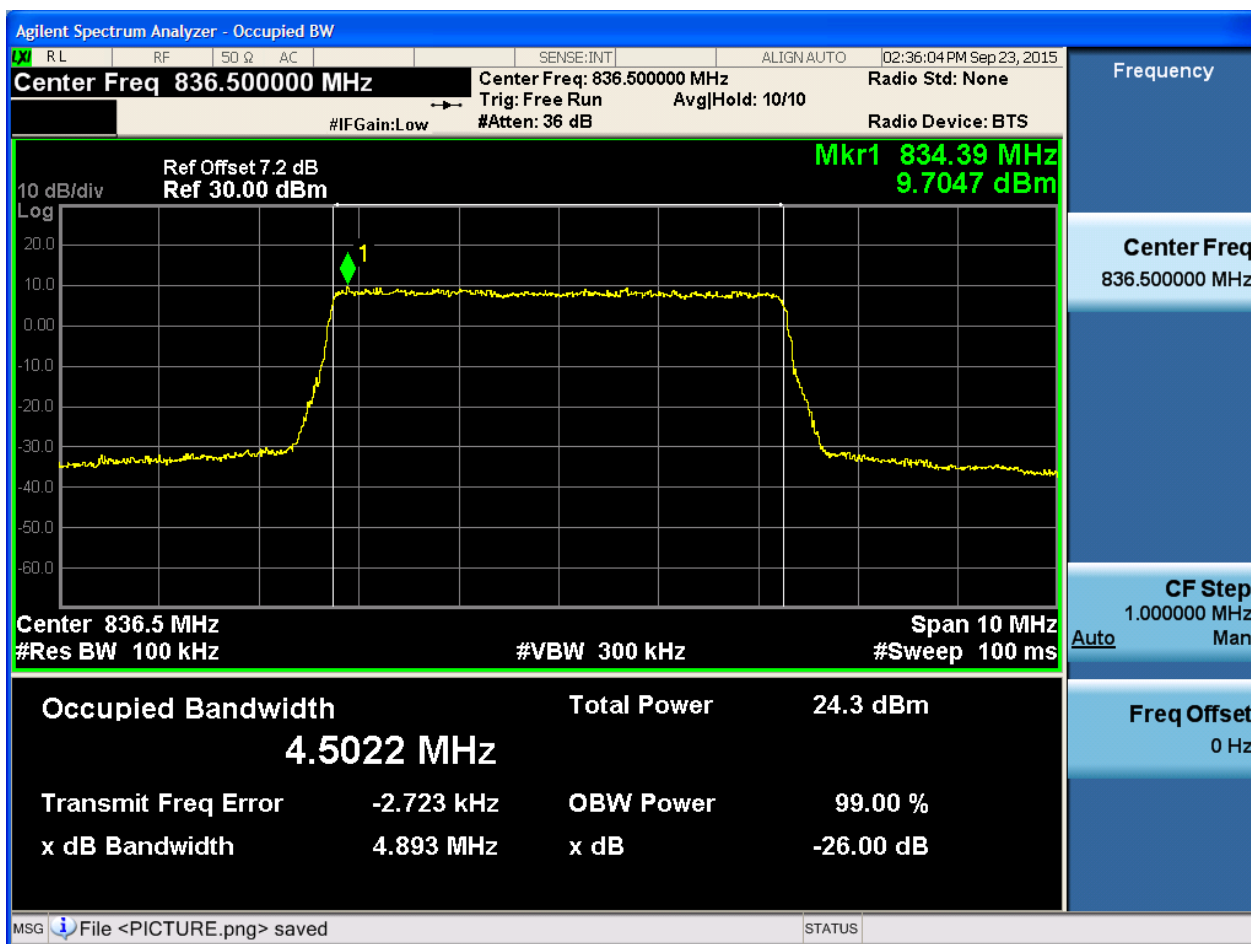
4.1.1.1.3.1 Test Channel = LCH

4.1.1.1.3.1.1 Test RB = RB25#0



4.1.1.1.3.2 Test Channel = MCH

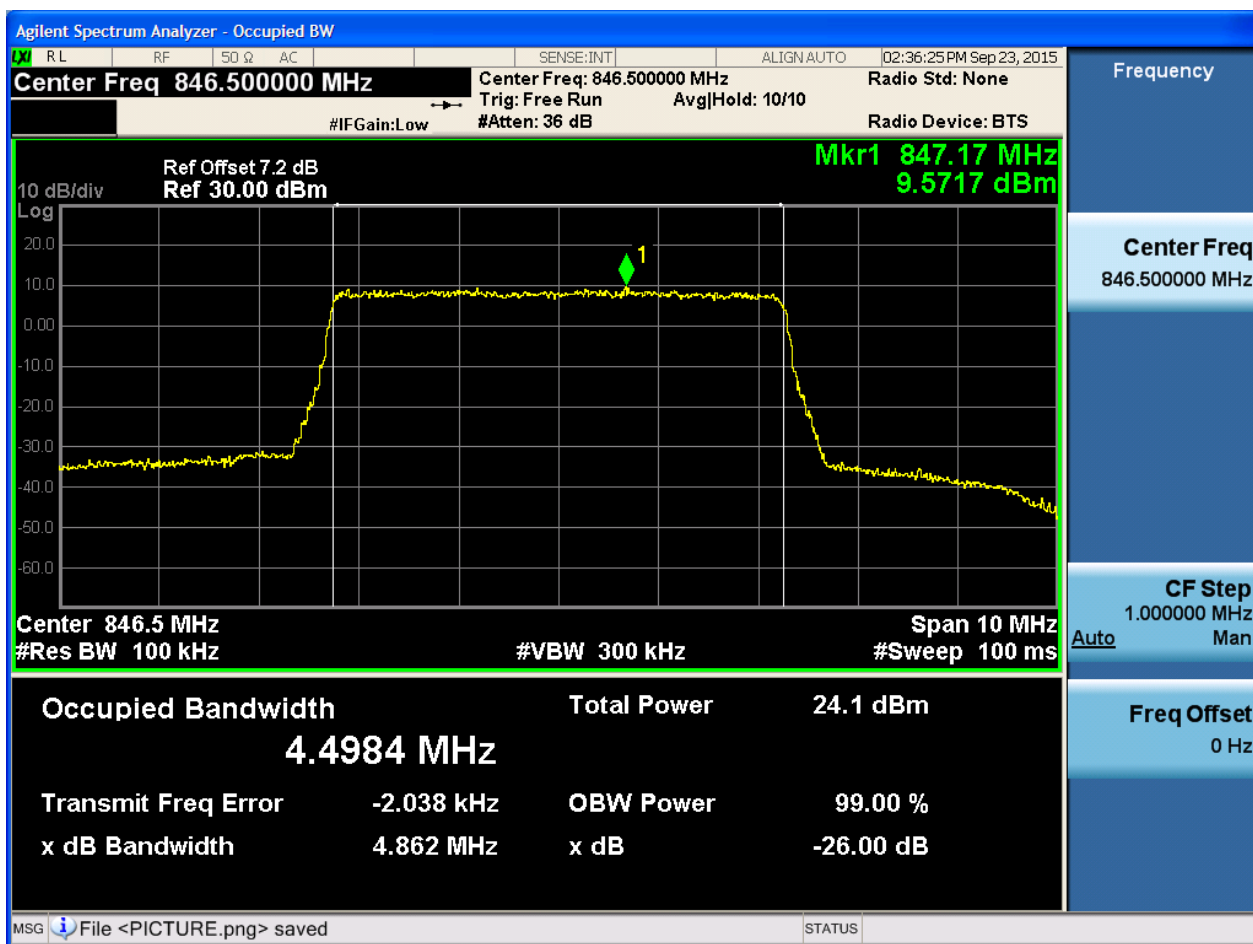
4.1.1.1.3.2.1 Test RB = RB25#0





4.1.1.1.3.3 Test Channel = HCH

4.1.1.1.3.3.1 Test RB = RB25#0

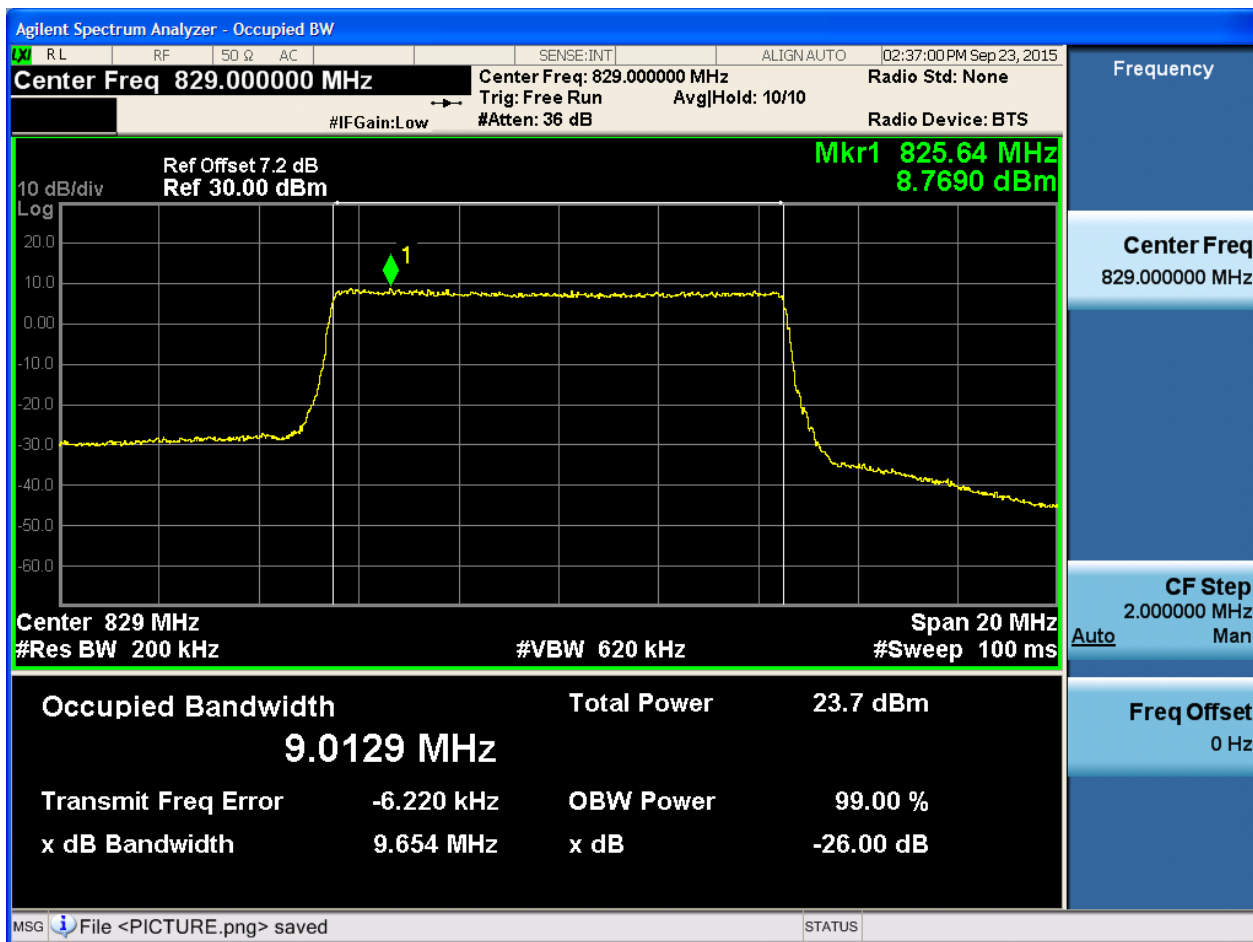




4.1.1.1.4 Test Bandwidth = 10

4.1.1.1.4.1 Test Channel = LCH

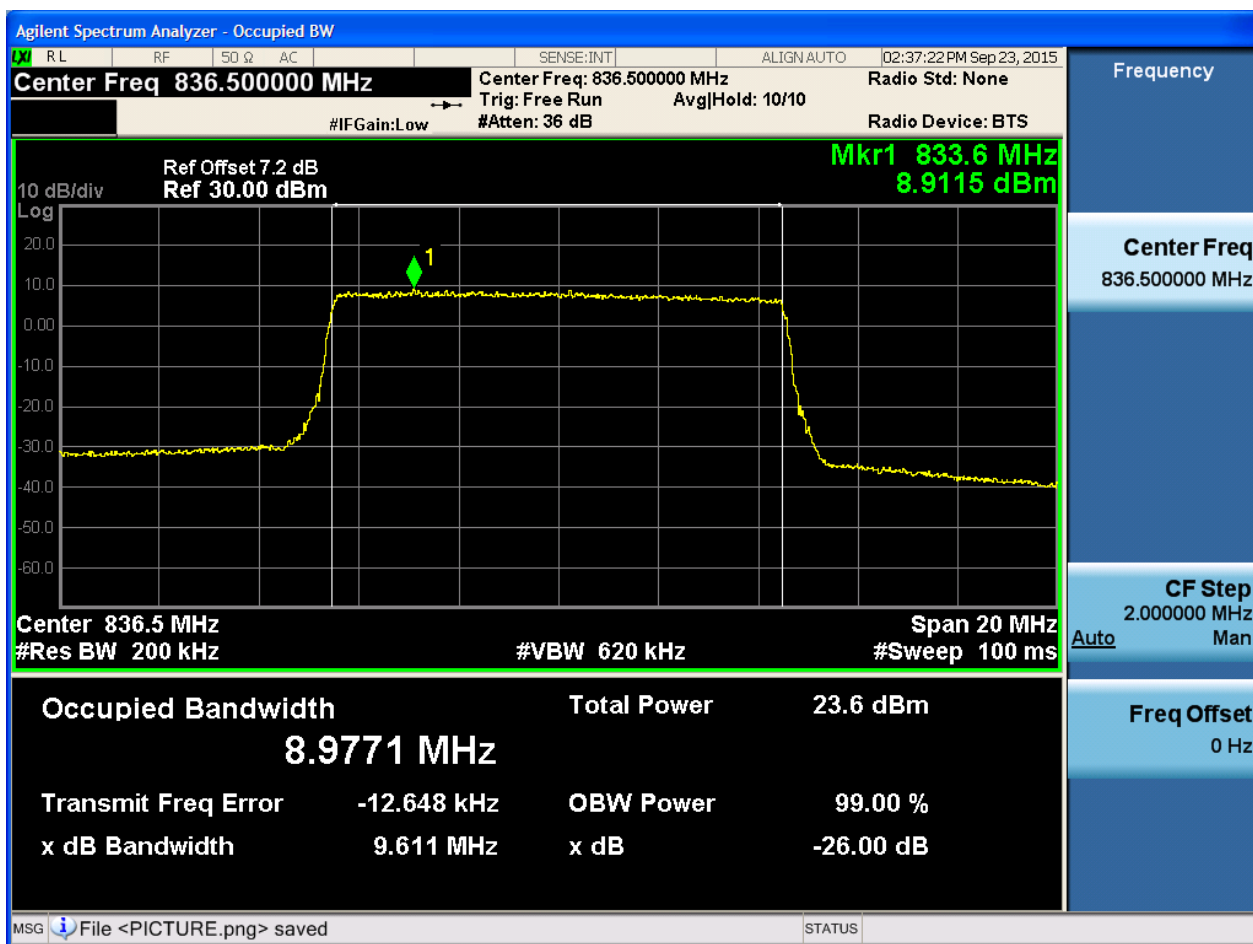
4.1.1.1.4.1.1 Test RB = RB50#0





4.1.1.1.4.2 Test Channel = MCH

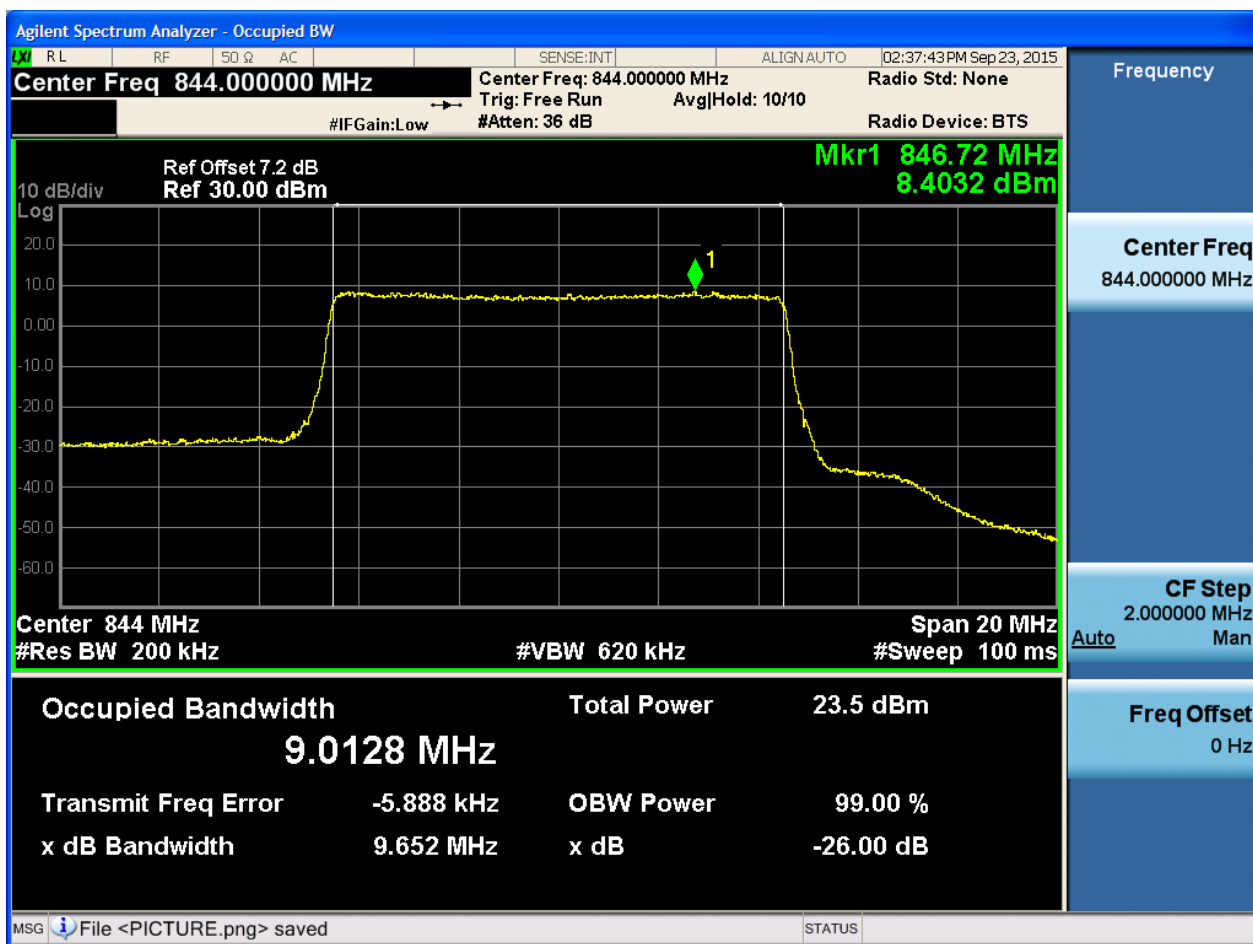
4.1.1.1.4.2.1 Test RB = RB50#0





4.1.1.1.4.3 Test Channel = HCH

4.1.1.1.4.3.1 Test RB = RB50#0



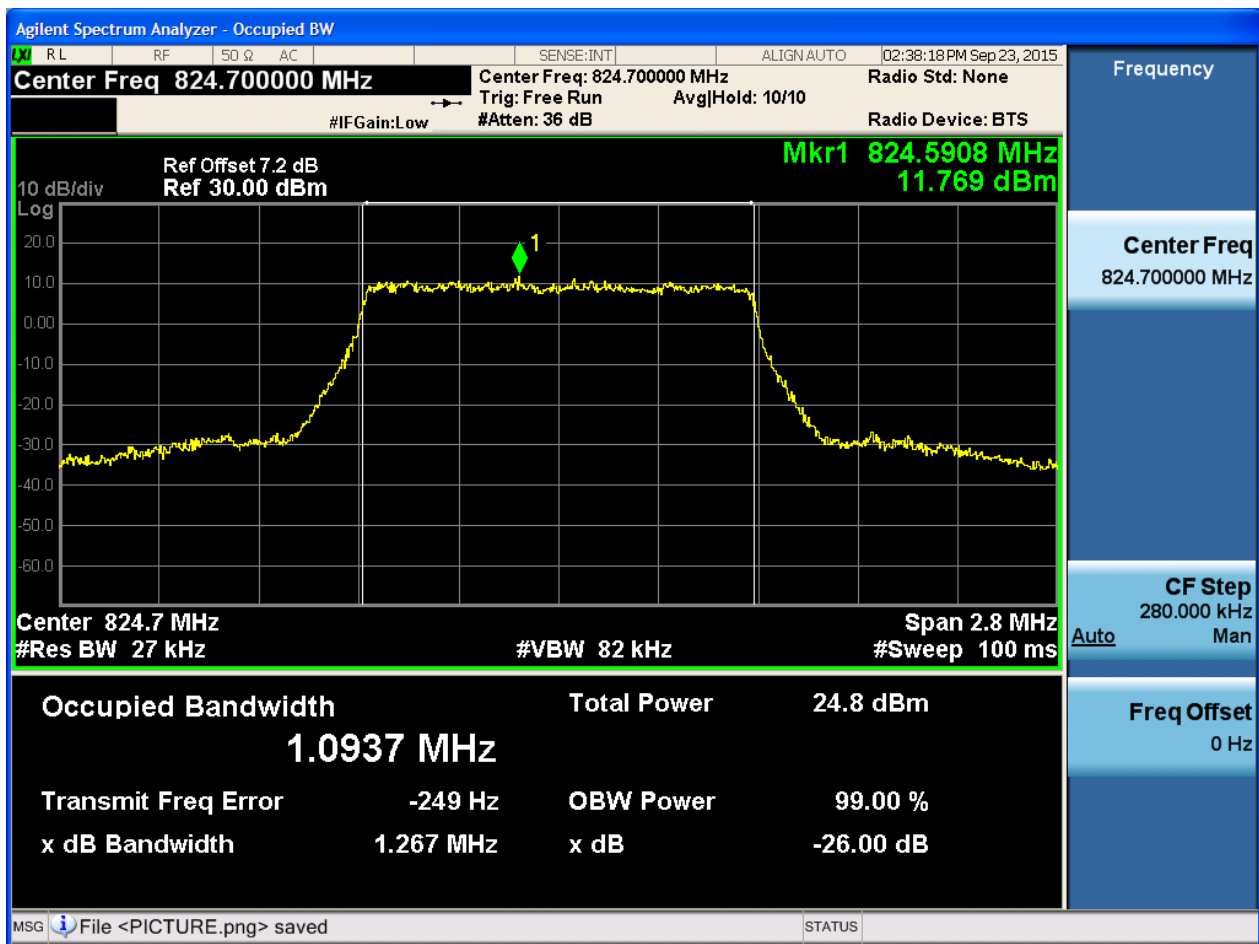


4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 1.4

4.1.1.2.1.1 Test Channel = LCH

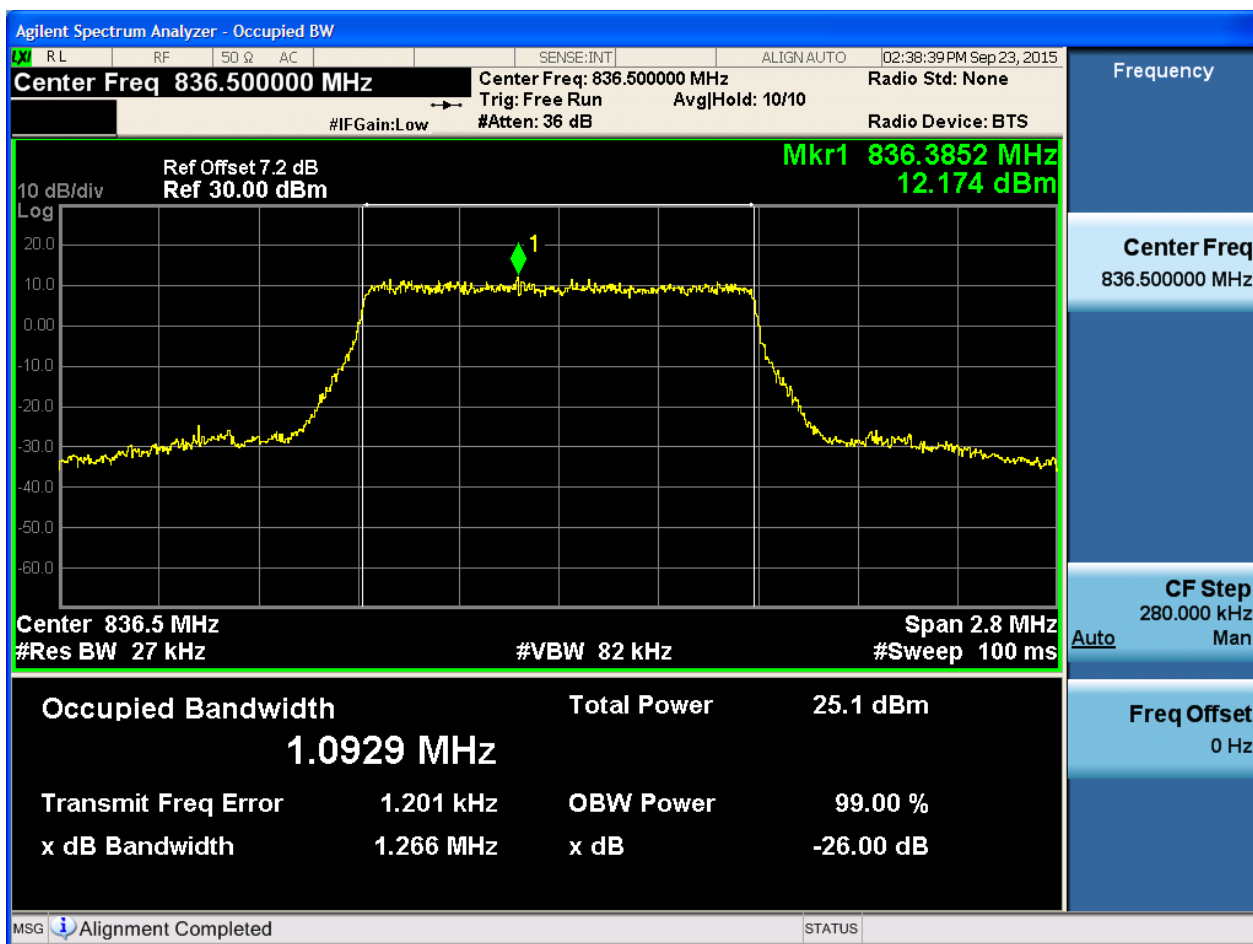
4.1.1.2.1.1.1 Test RB = RB6#0





4.1.1.2.1.2 Test Channel = MCH

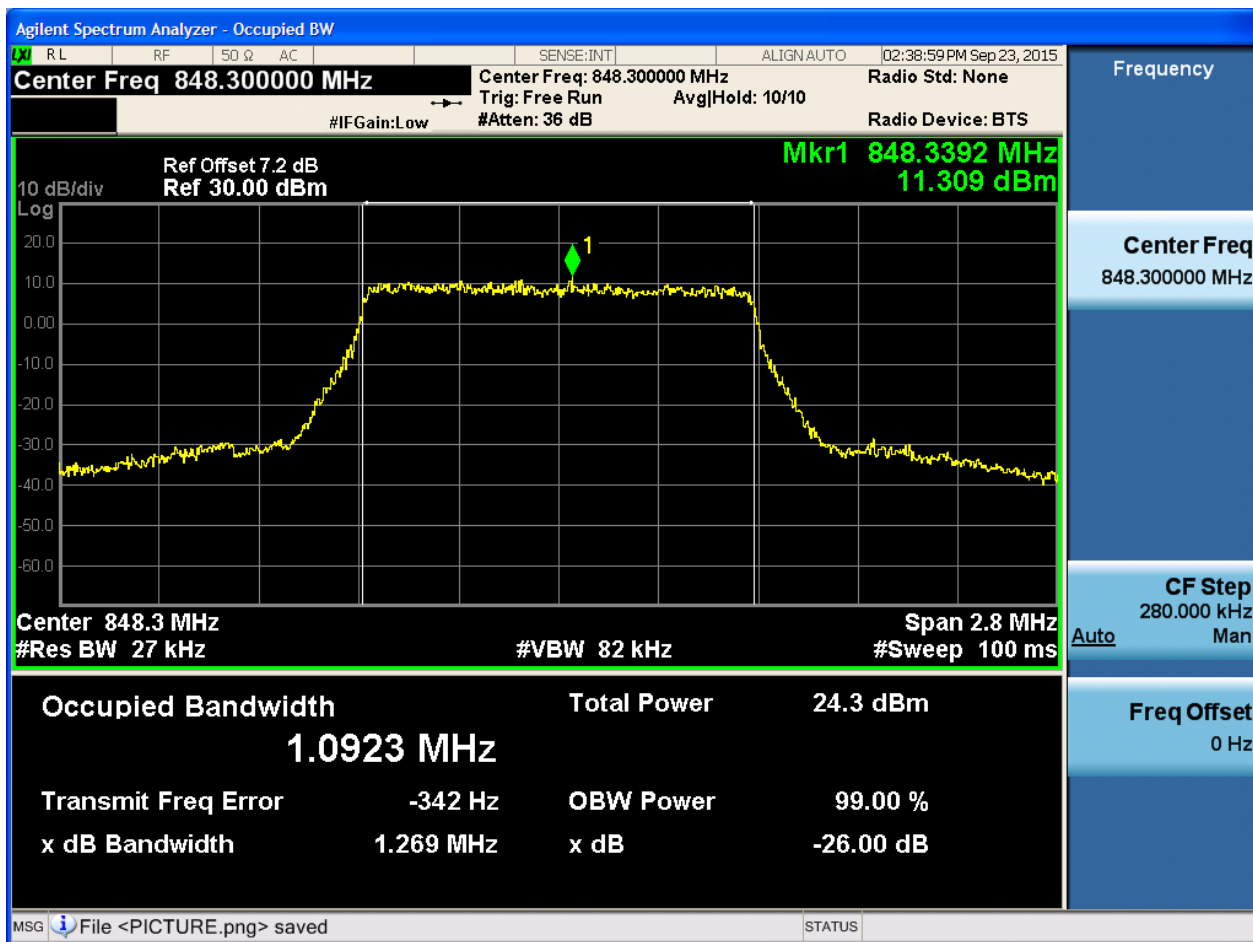
4.1.1.2.1.2.1 Test RB = RB6#0





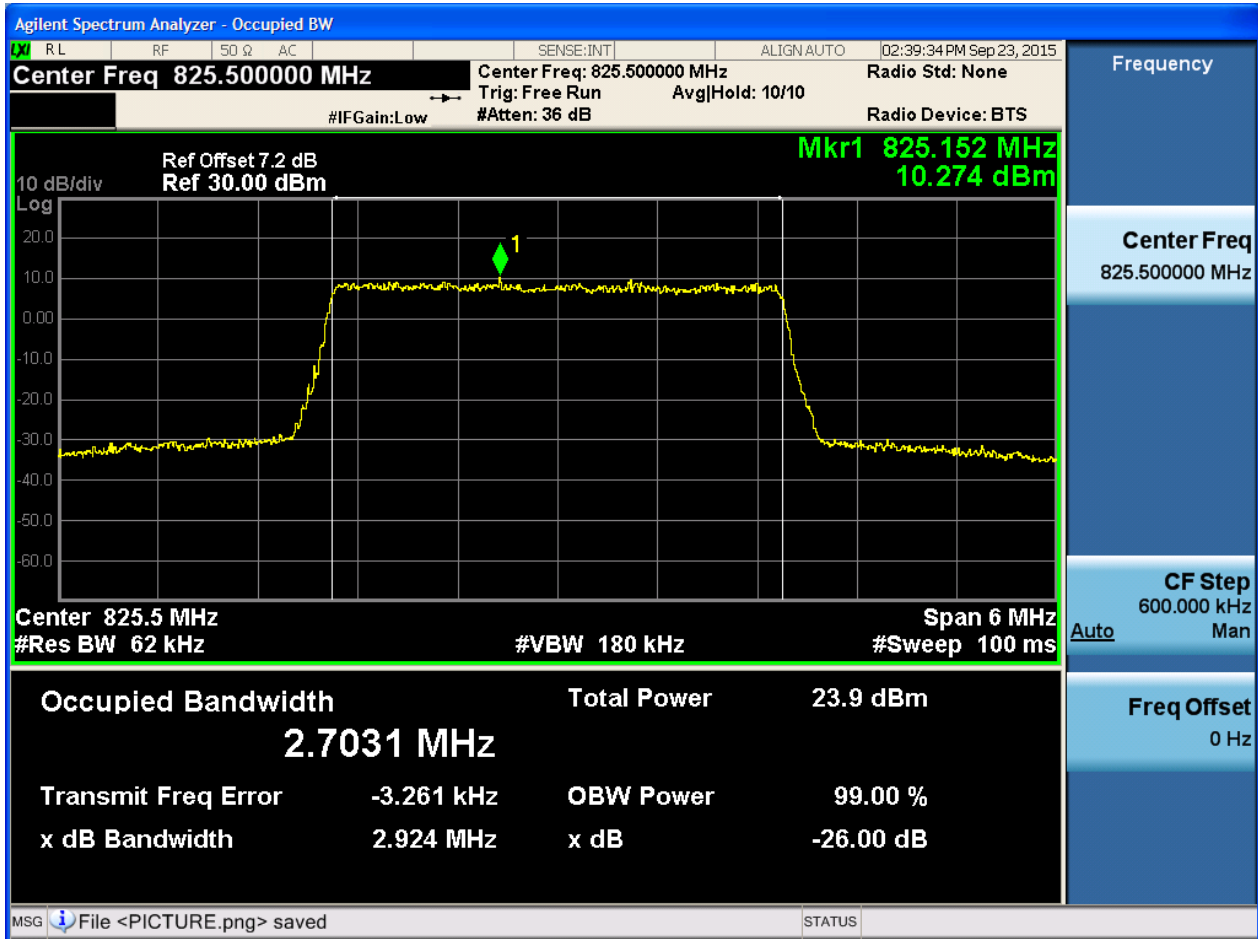
4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB6#0





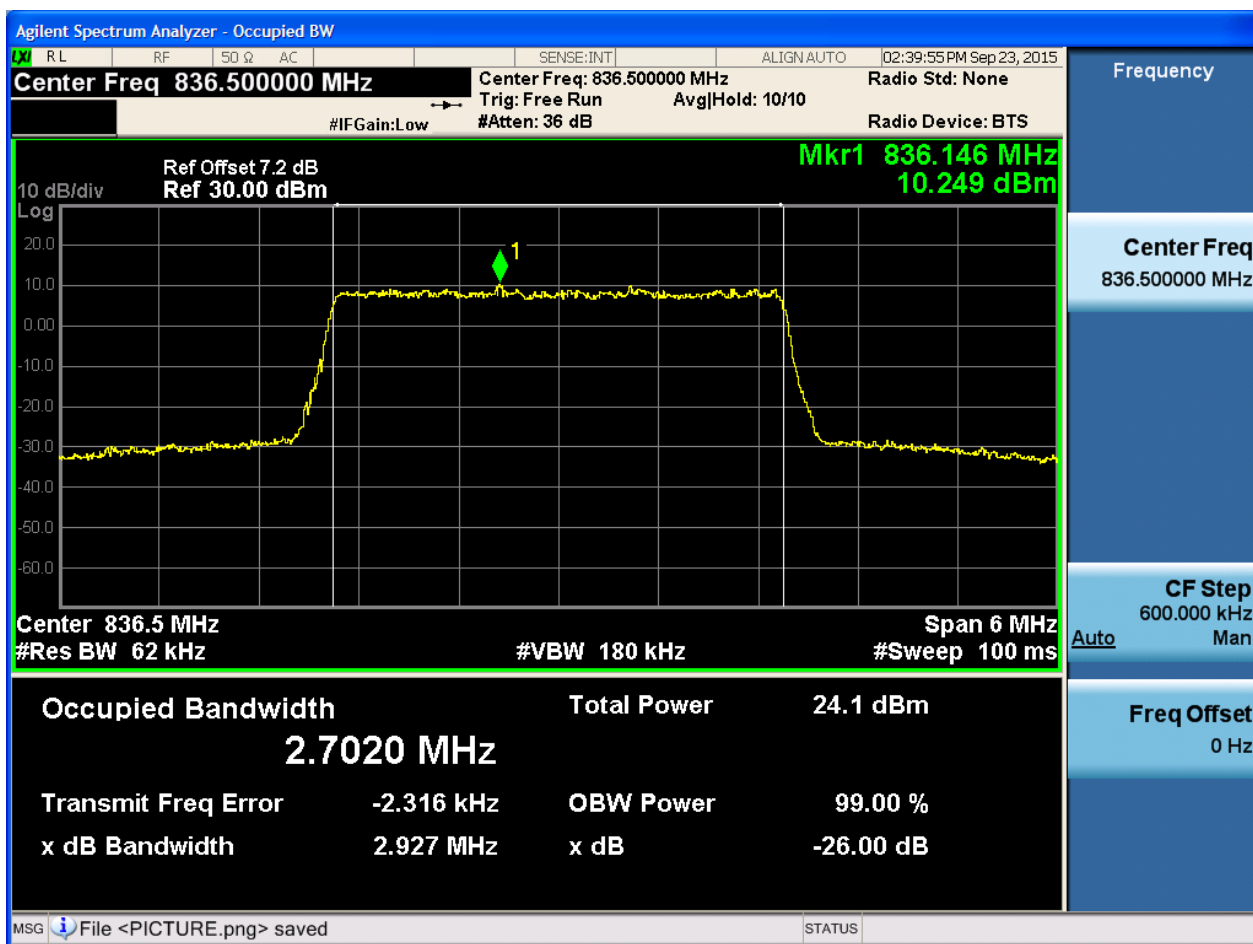
4.1.1.2.2.1.1 Test RB = RB15#0





4.1.1.2.2.2 Test Channel = MCH

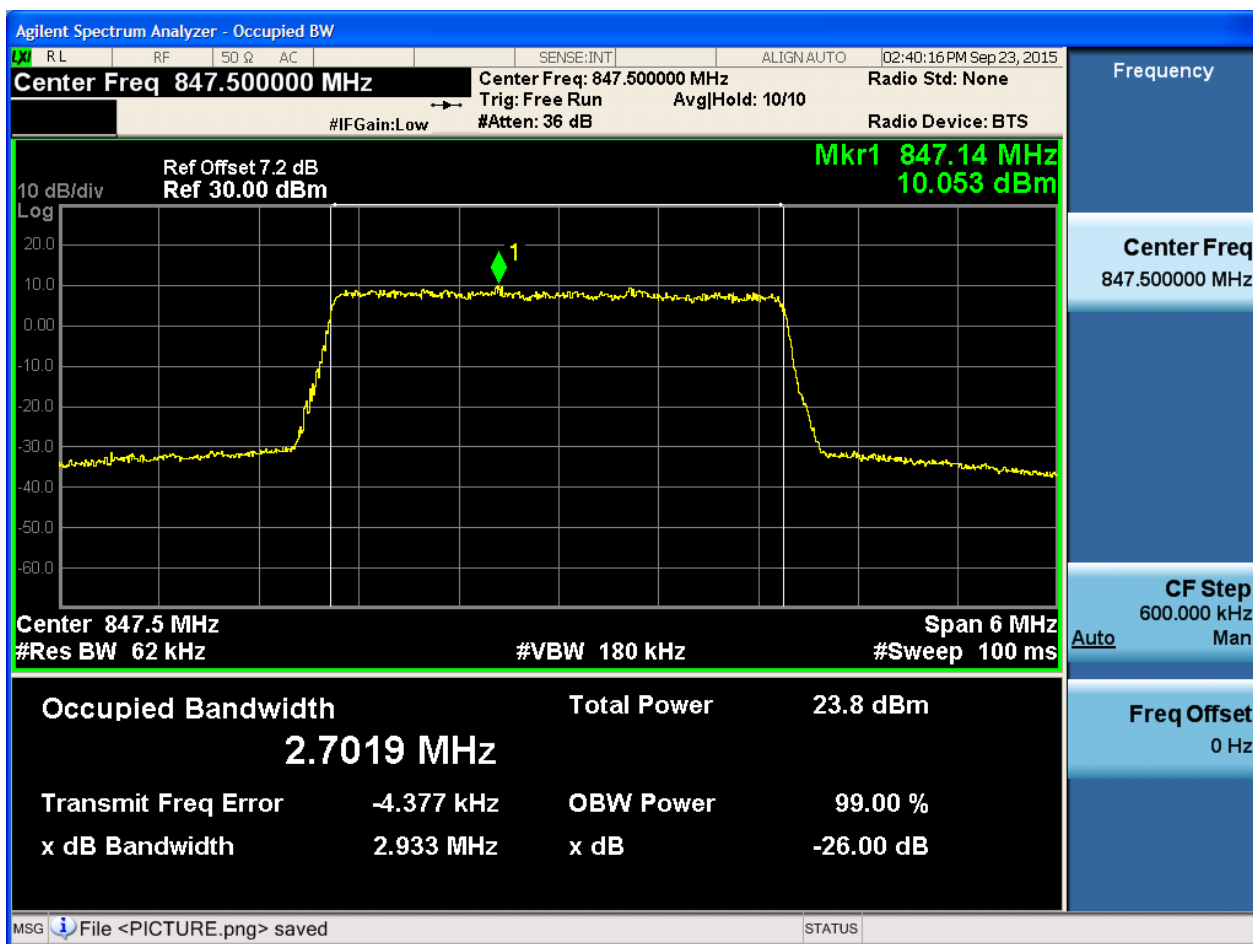
4.1.1.2.2.1 Test RB = RB15#0





4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB15#0

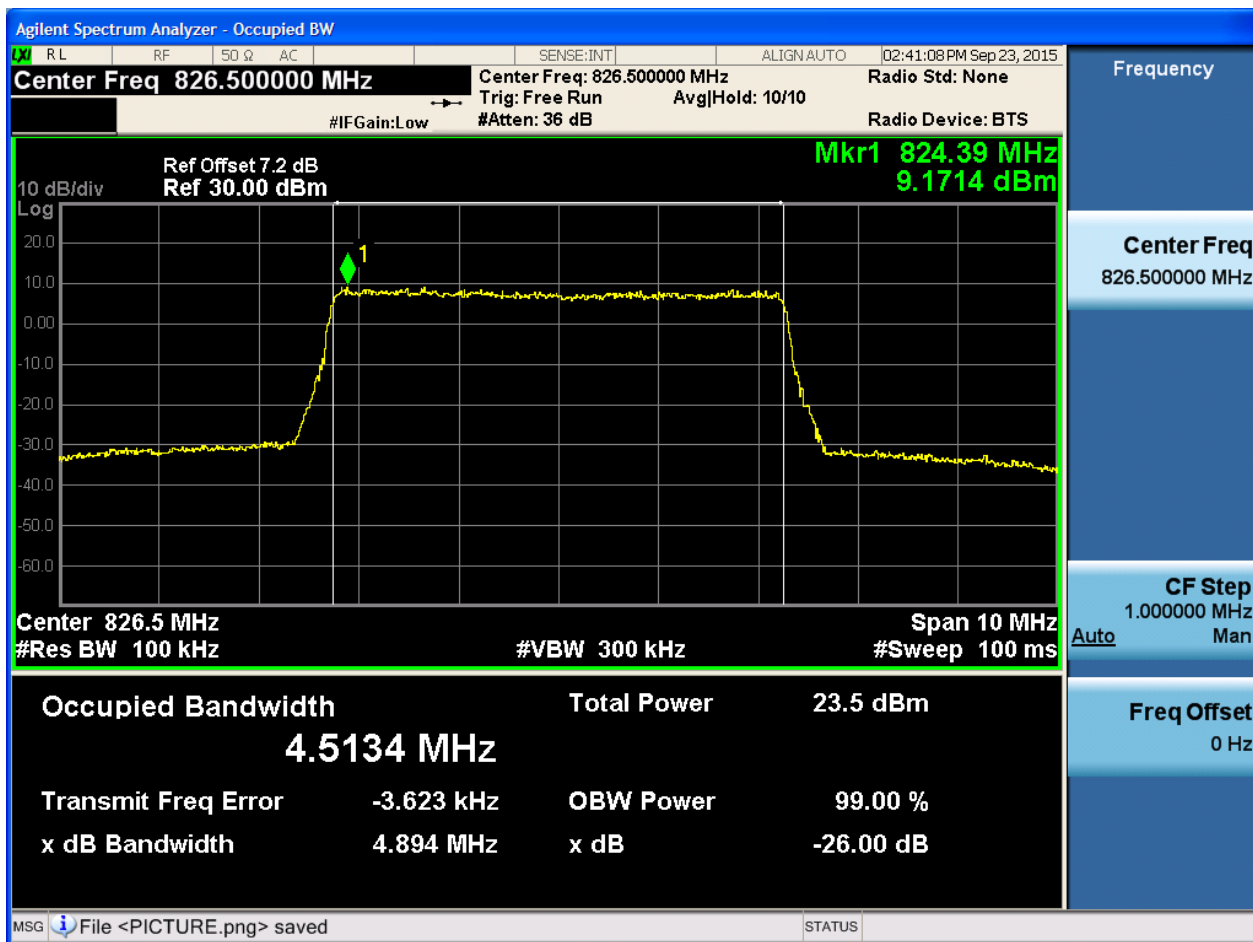




4.1.1.2.3 Test Bandwidth = 5

4.1.1.2.3.1 Test Channel = LCH

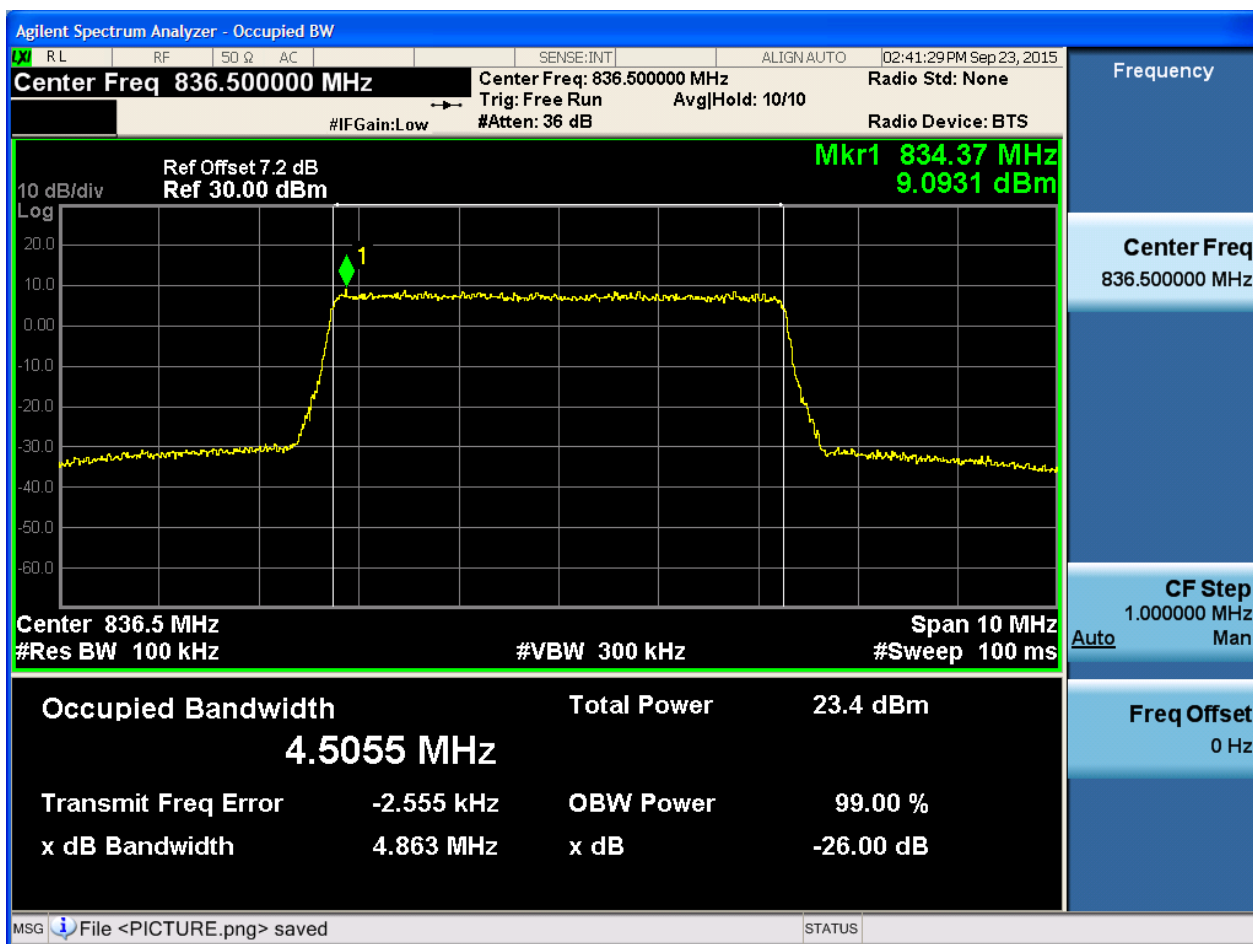
4.1.1.2.3.1.1 Test RB = RB25#0





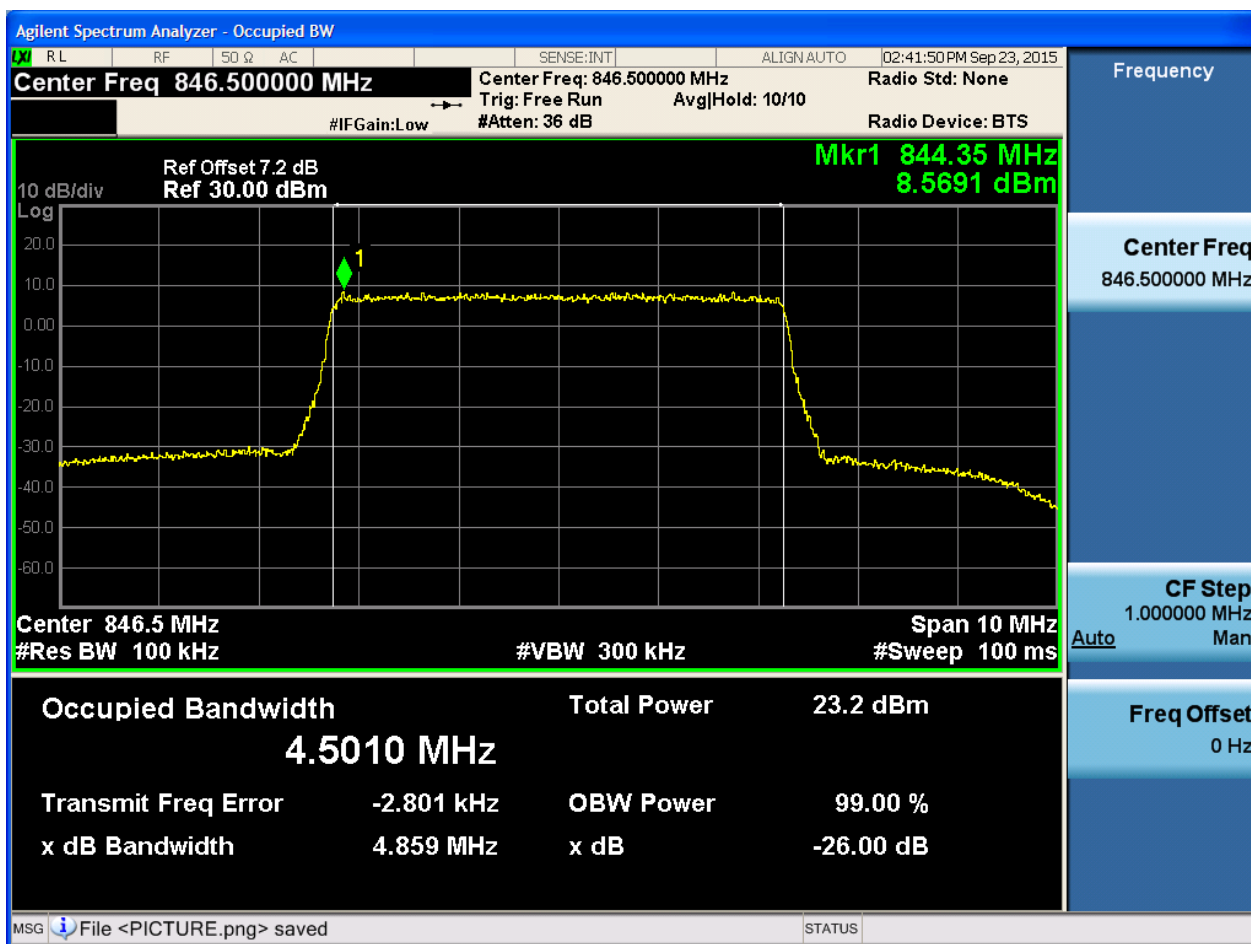
4.1.1.2.3.2 Test Channel = MCH

4.1.1.2.3.2.1 Test RB = RB25#0



4.1.1.2.3.3 Test Channel = HCH

4.1.1.2.3.3.1 Test RB = RB25#0

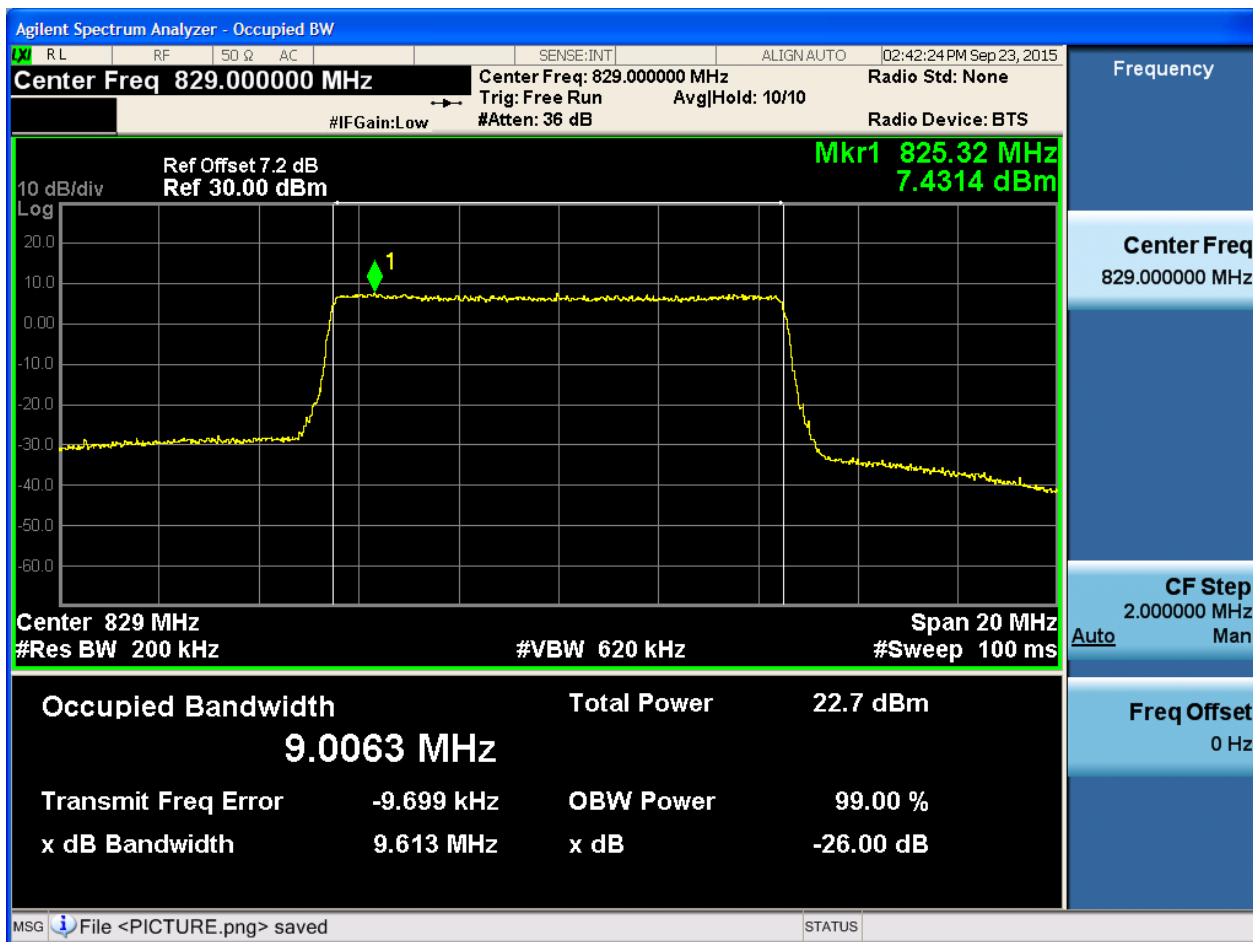




4.1.1.2.4 Test Bandwidth = 10

4.1.1.2.4.1 Test Channel = LCH

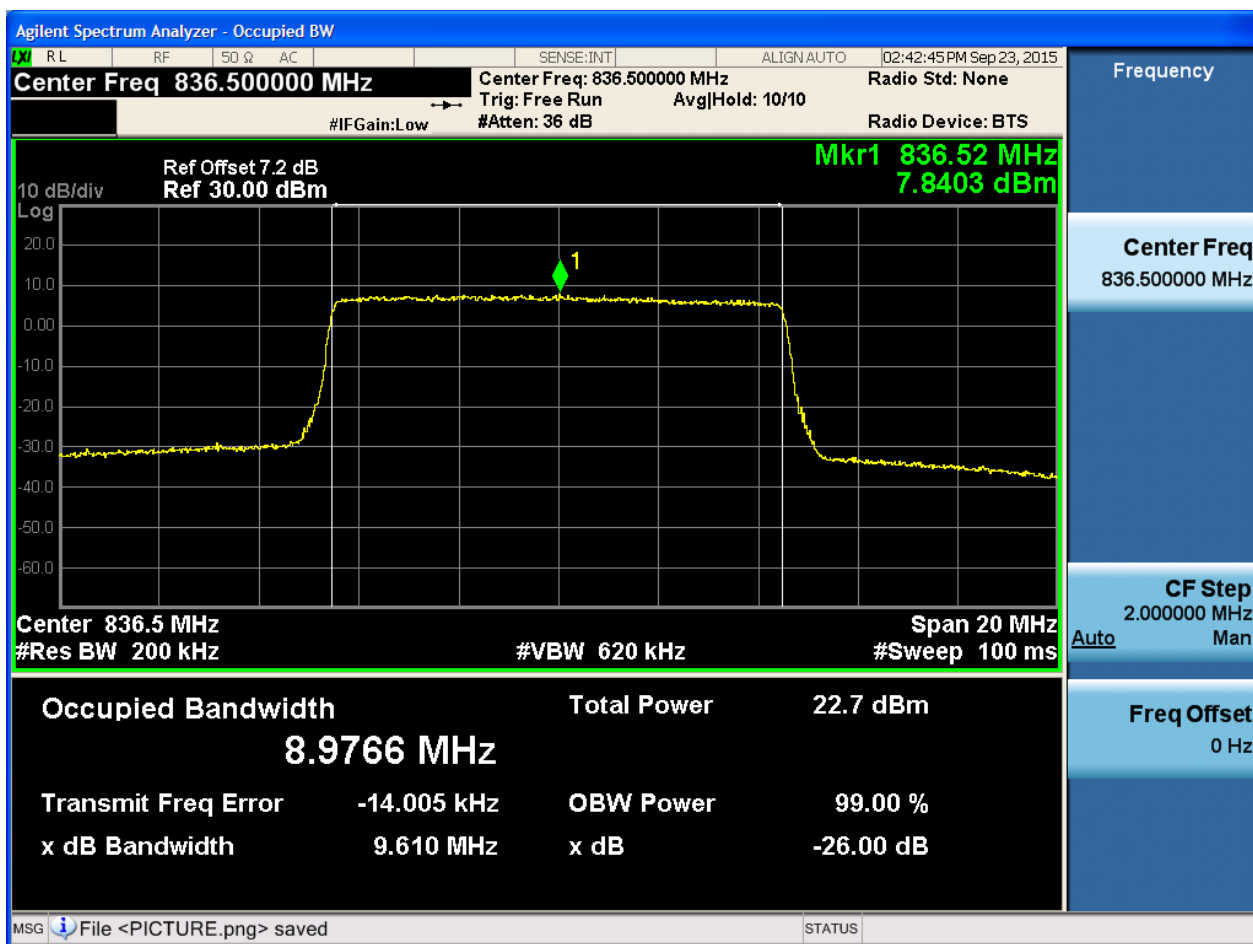
4.1.1.2.4.1.1 Test RB = RB50#0





4.1.1.2.4.2 Test Channel = MCH

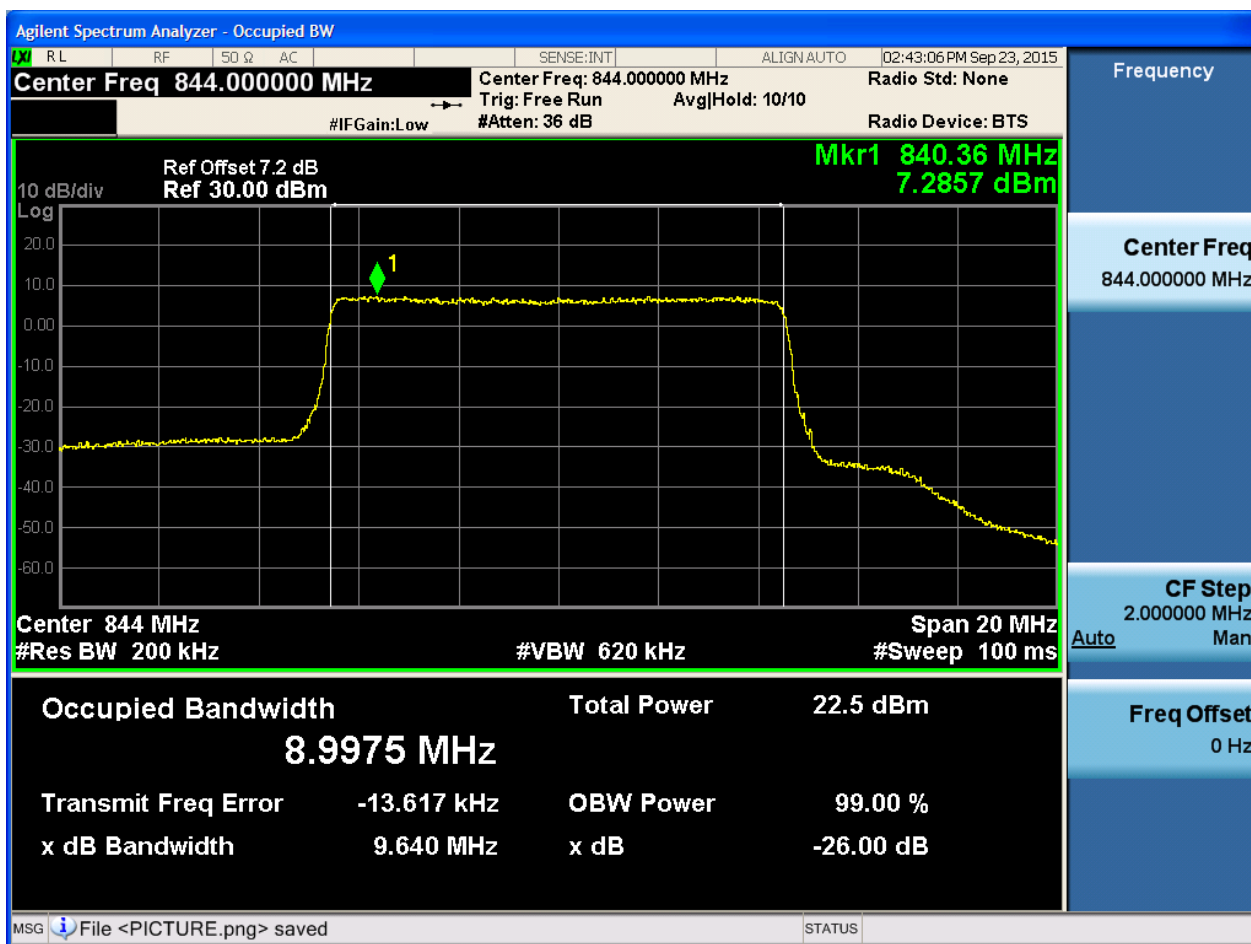
4.1.1.2.4.2.1 Test RB = RB50#0





4.1.1.2.4.3 Test Channel = HCH

4.1.1.2.4.3.1 Test RB = RB50#0





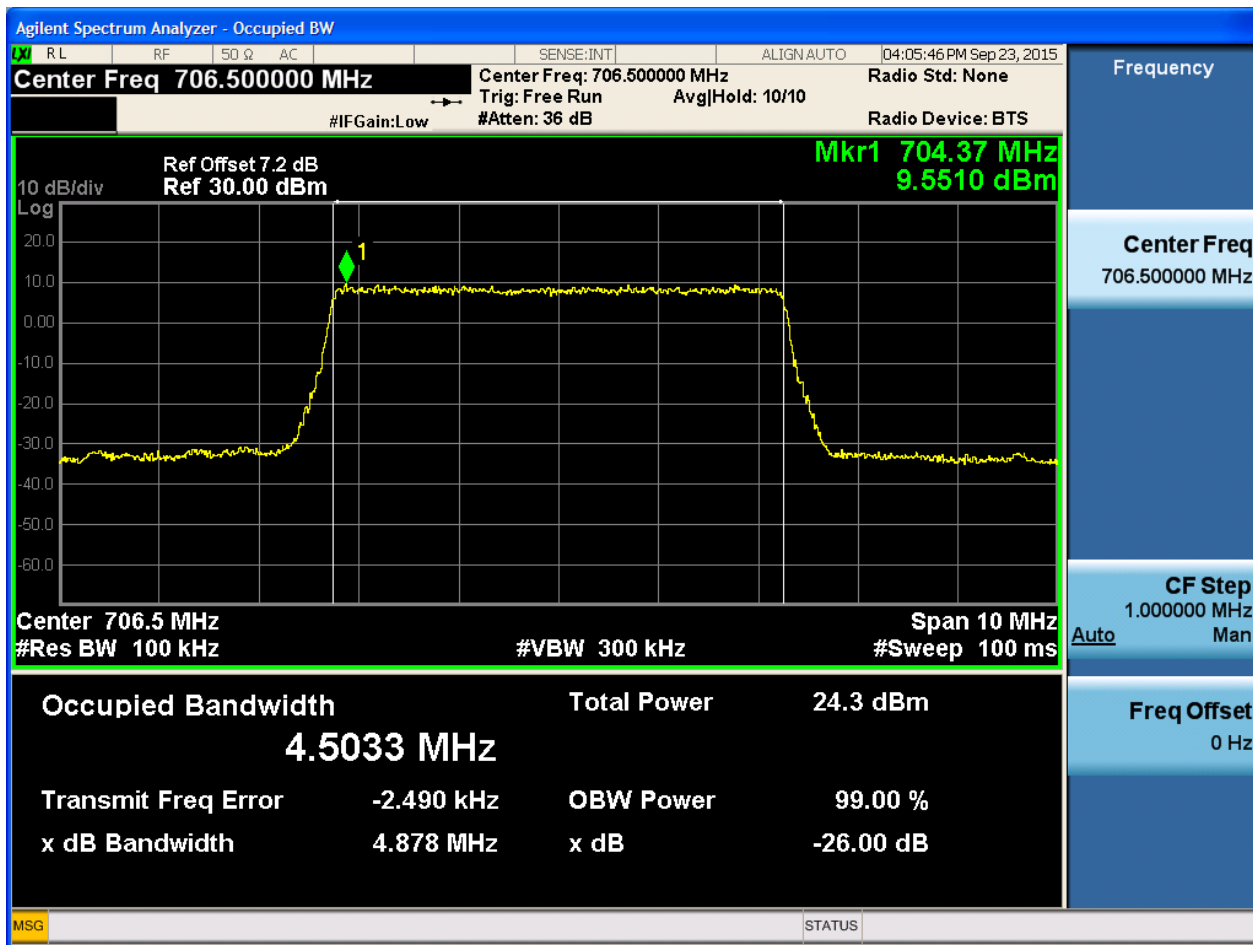
4.1.2 Test Band = BAND17

4.1.2.1 Test Mode = LTE/TM1

4.1.2.1.1 Test Bandwidth = 5

4.1.2.1.1.1 Test Channel = LCH

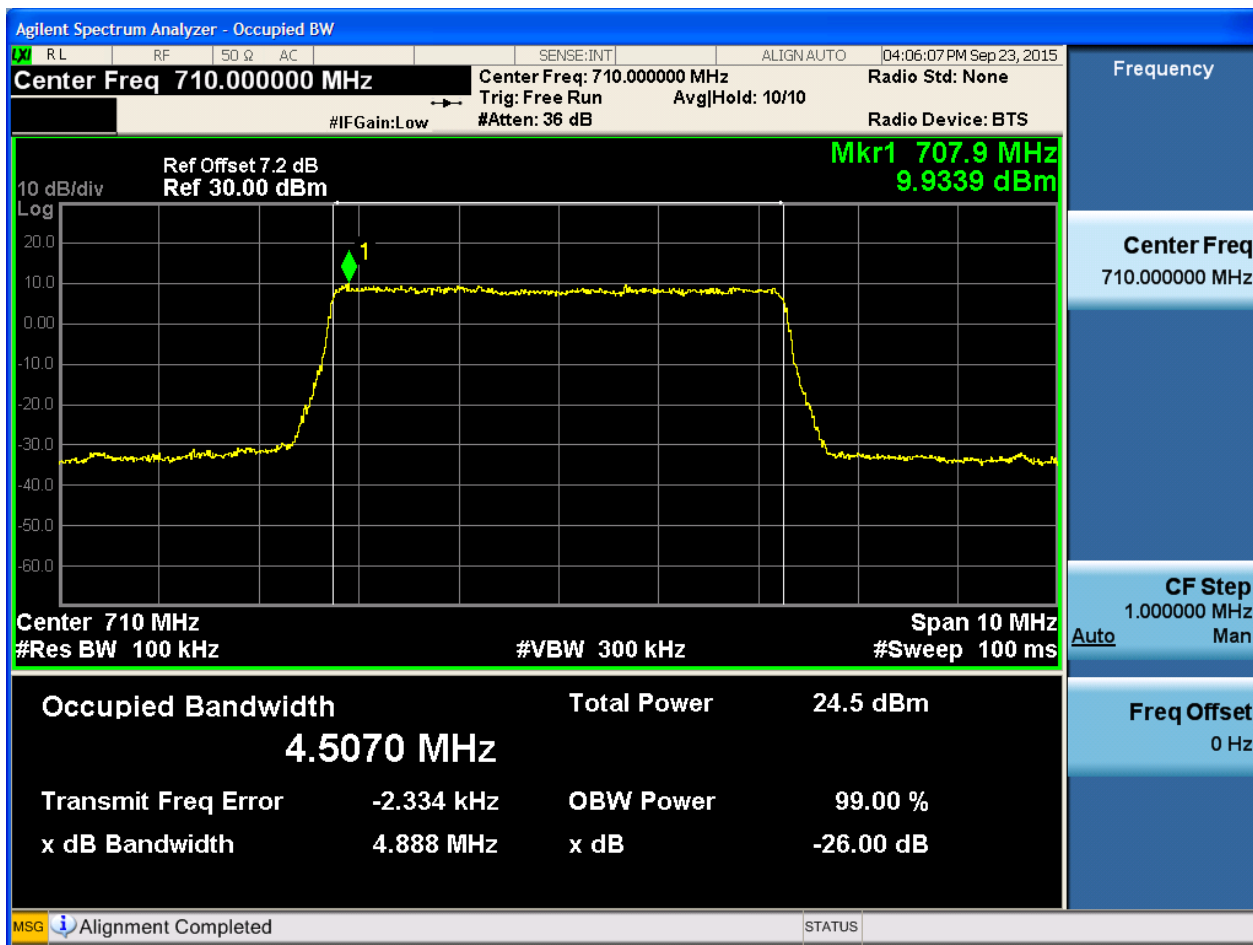
4.1.2.1.1.1.1 Test RB = RB25#0





4.1.2.1.1.2 Test Channel = MCH

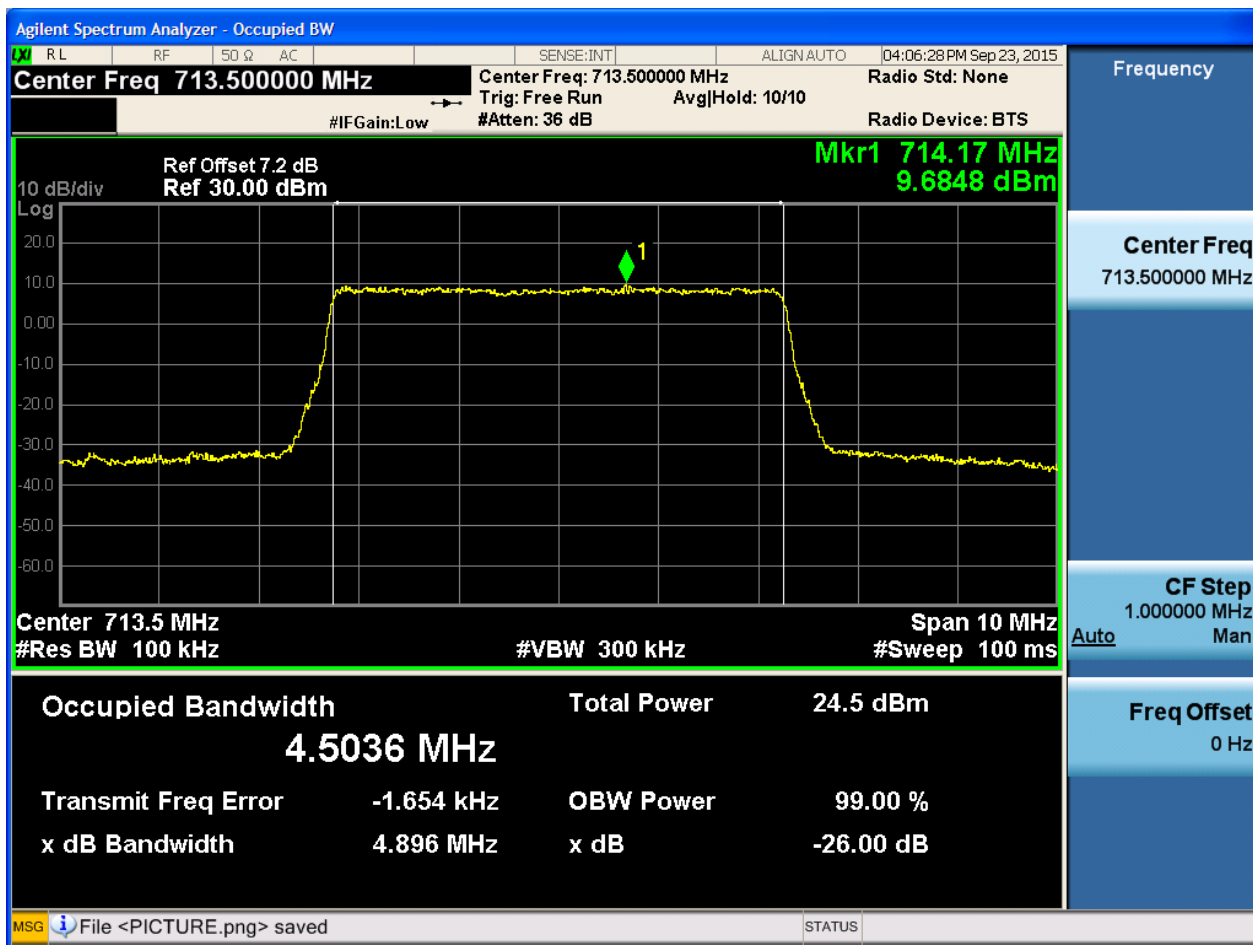
4.1.2.1.1.2.1 Test RB = RB25#0





4.1.2.1.1.3 Test Channel = HCH

4.1.2.1.1.3.1 Test RB = RB25#0

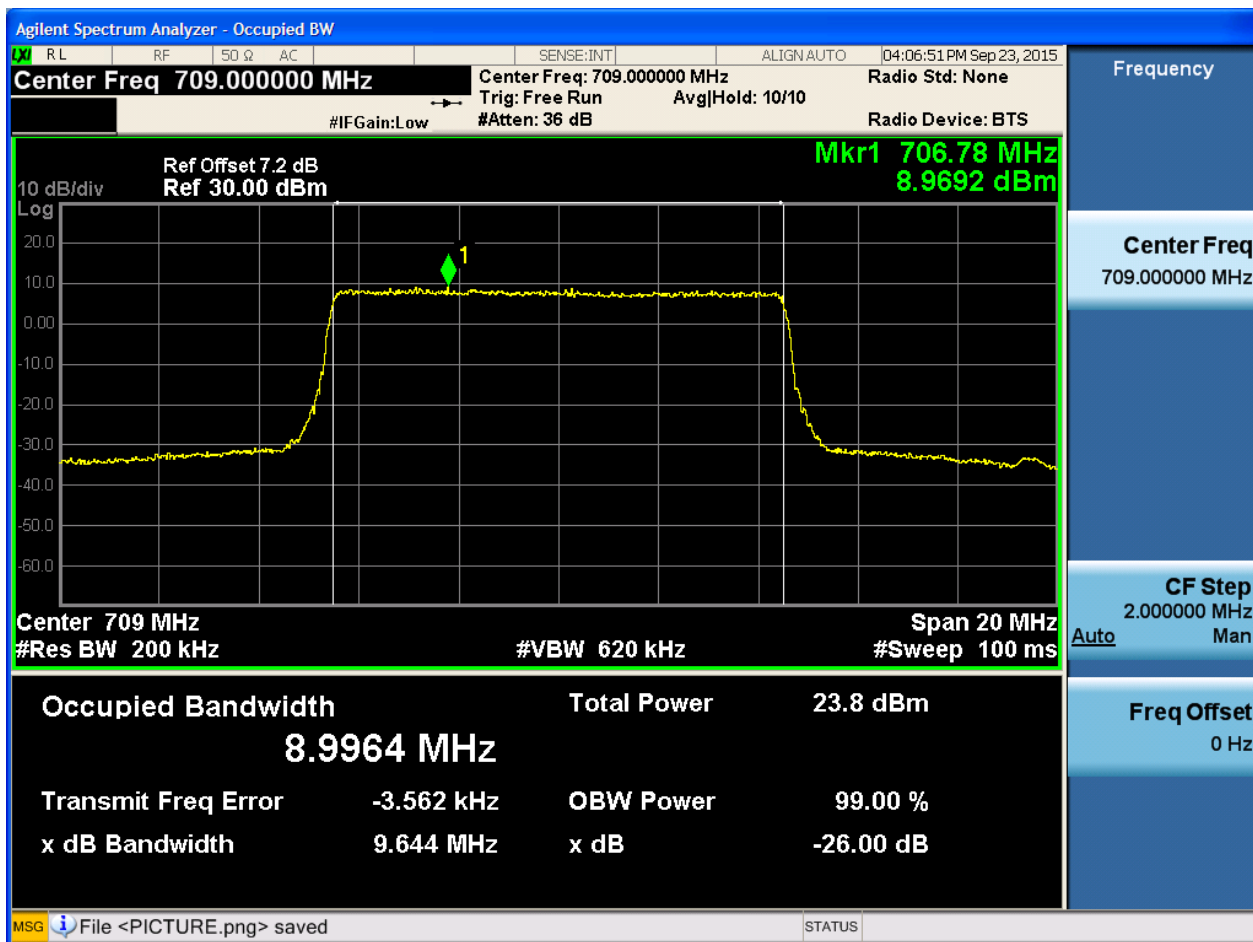




4.1.2.1.2 Test Bandwidth = 10

4.1.2.1.2.1 Test Channel = LCH

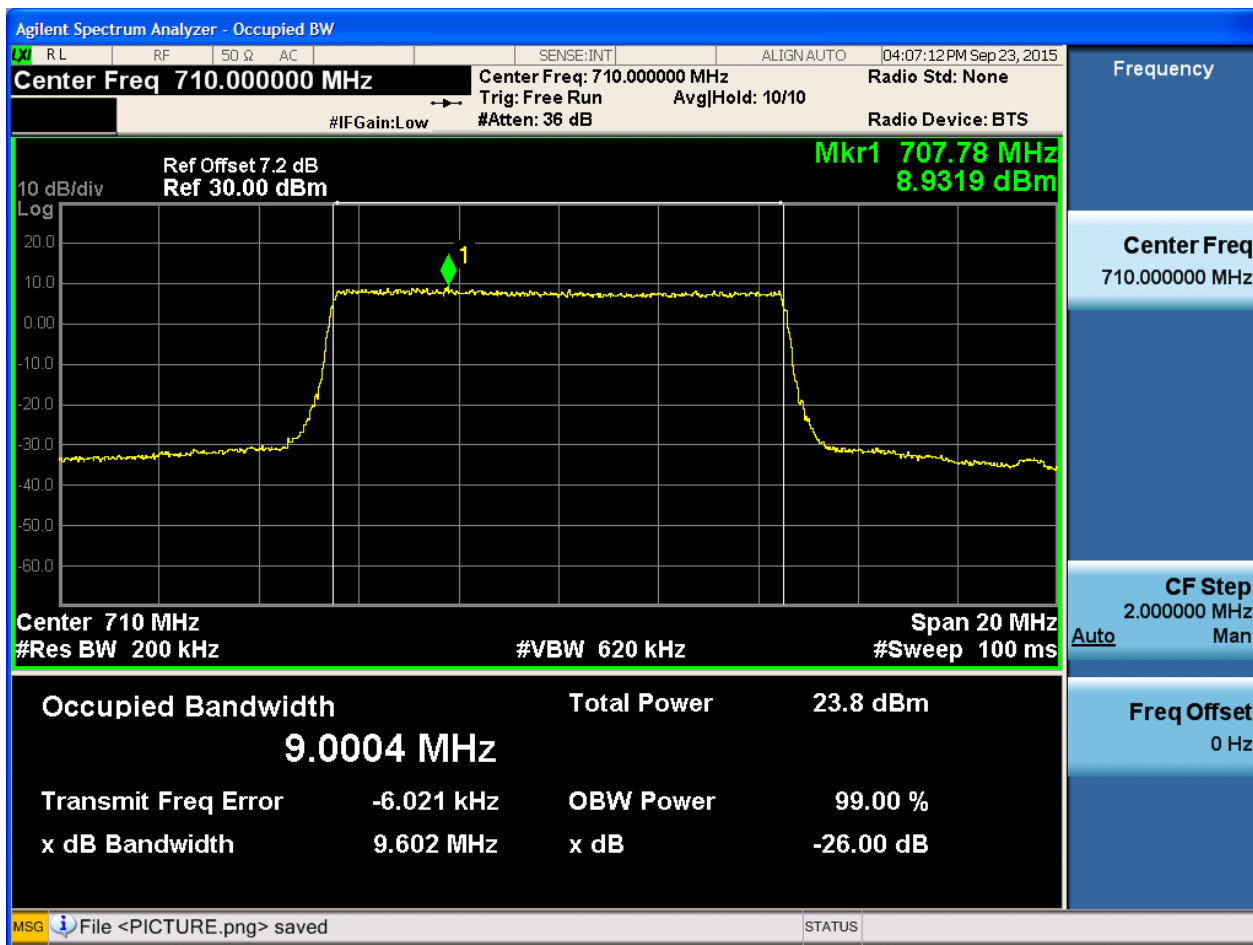
4.1.2.1.2.1.1 Test RB = RB50#0





4.1.2.1.2.2 Test Channel = MCH

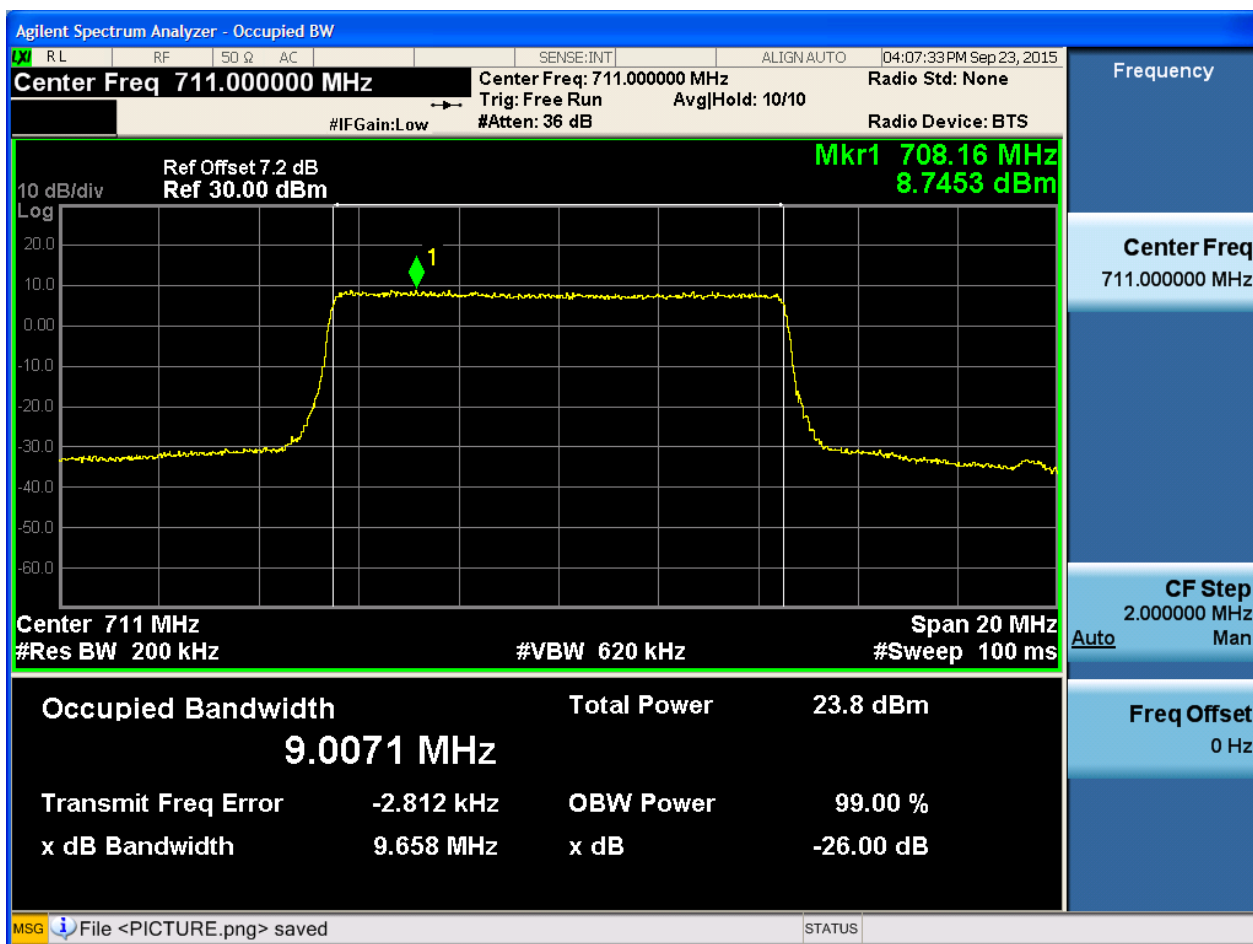
4.1.2.1.2.2.1 Test RB = RB50#0





4.1.2.1.2.3 Test Channel = HCH

4.1.2.1.2.3.1 Test RB = RB50#0



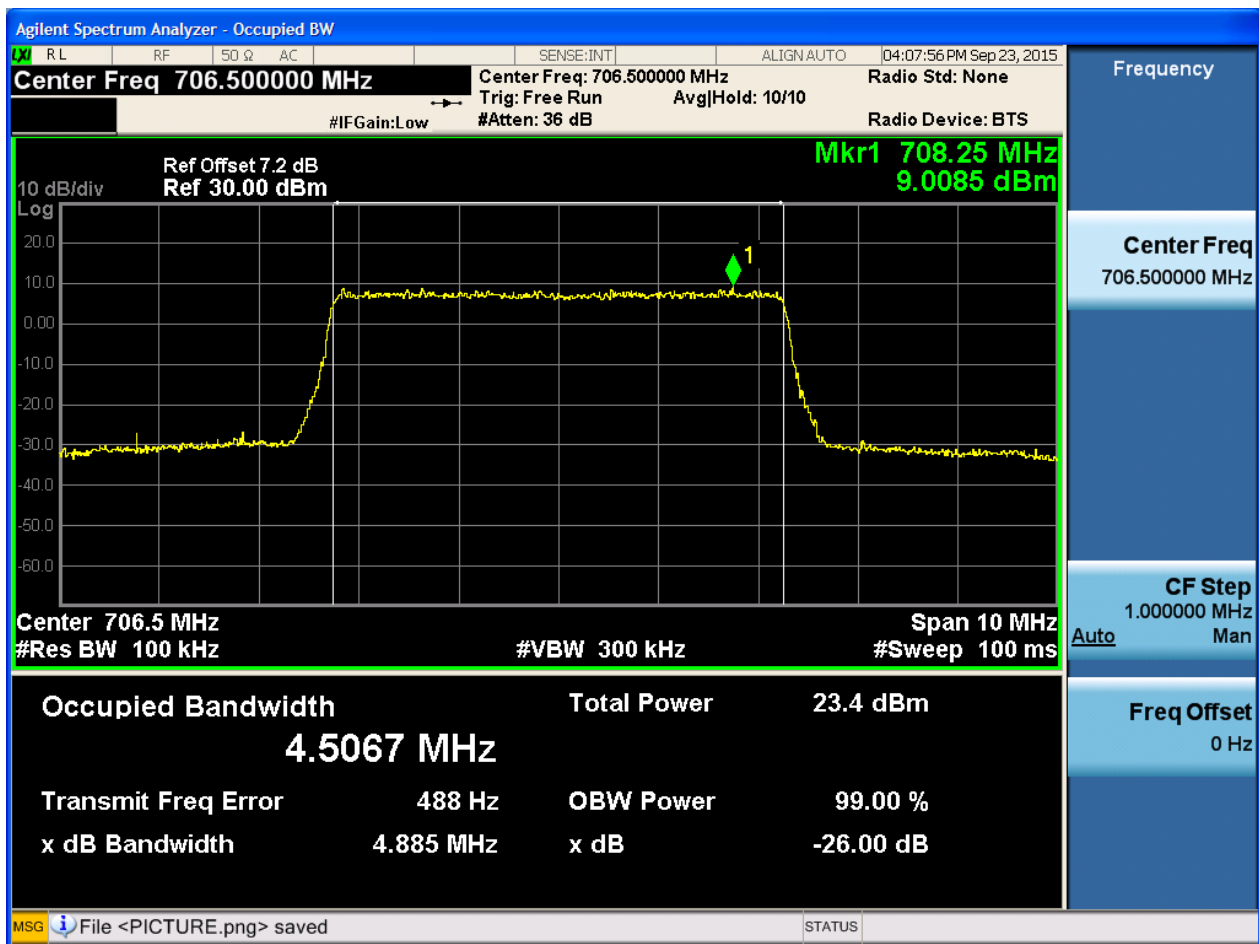


4.1.2.2 Test Mode = LTE/TM2

4.1.2.2.1 Test Bandwidth = 5

4.1.2.2.1.1 Test Channel = LCH

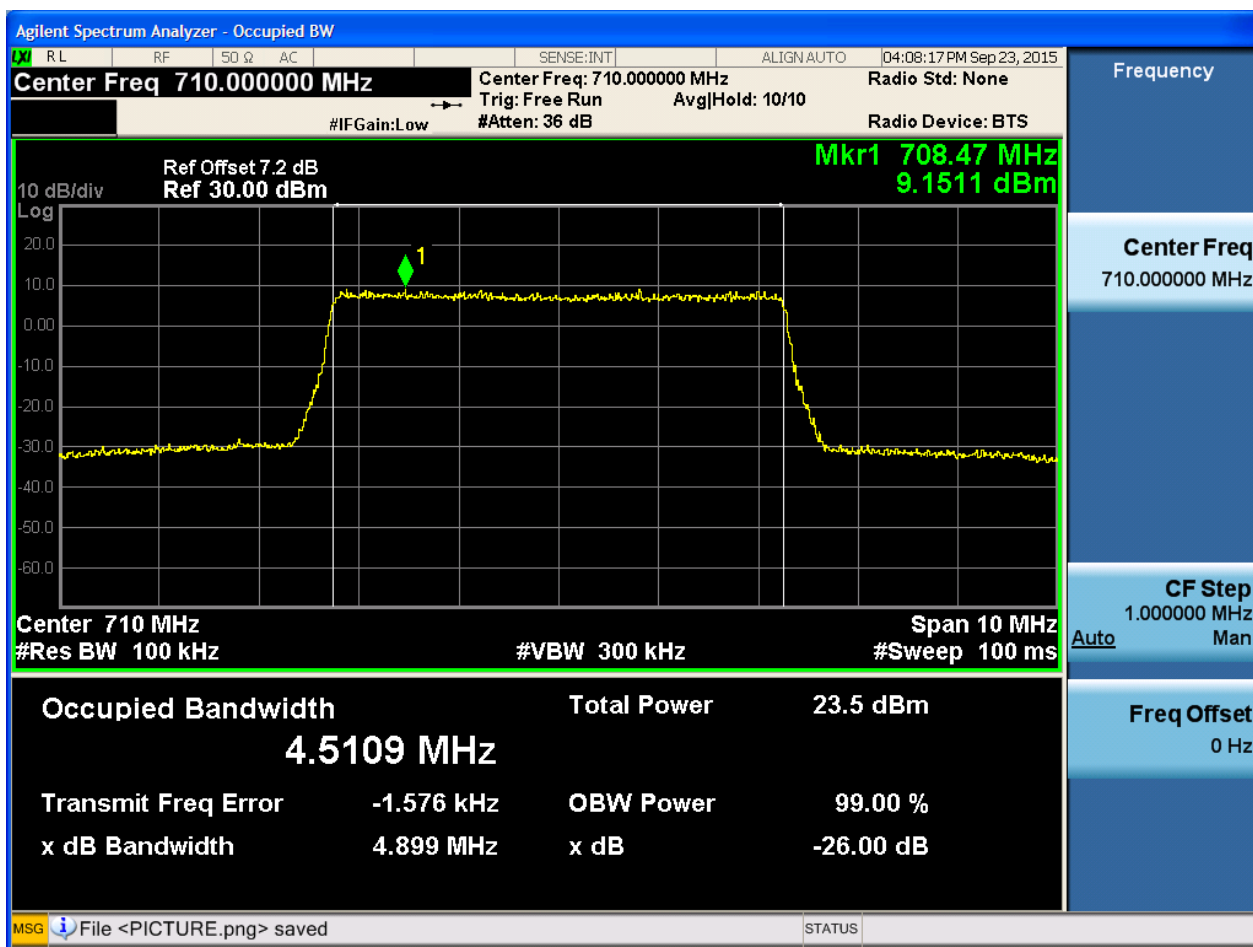
4.1.2.2.1.1.1 Test RB = RB25#0





4.1.2.2.1.2 Test Channel = MCH

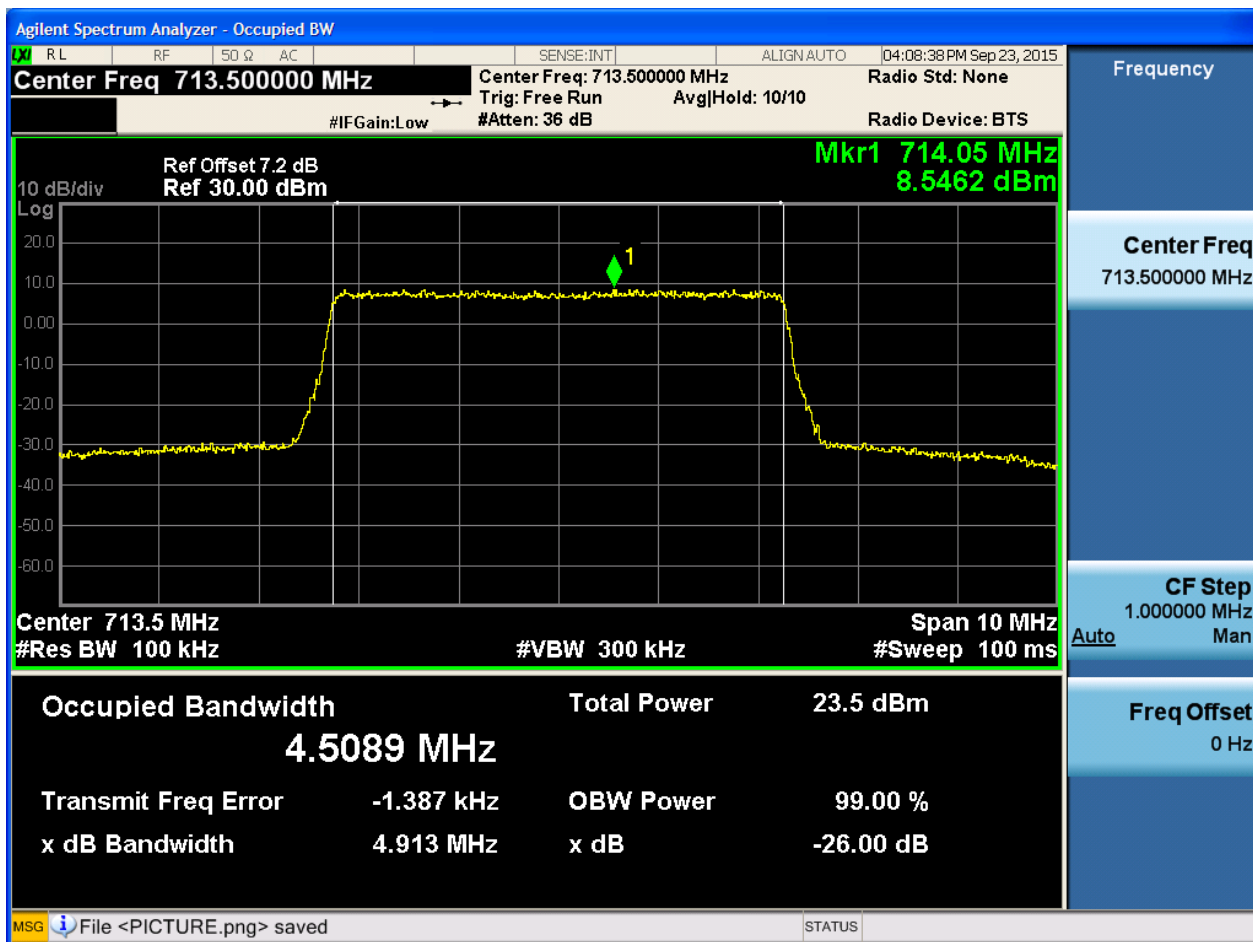
4.1.2.2.1.2.1 Test RB = RB25#0





4.1.2.2.1.3 Test Channel = HCH

4.1.2.2.1.3.1 Test RB = RB25#0

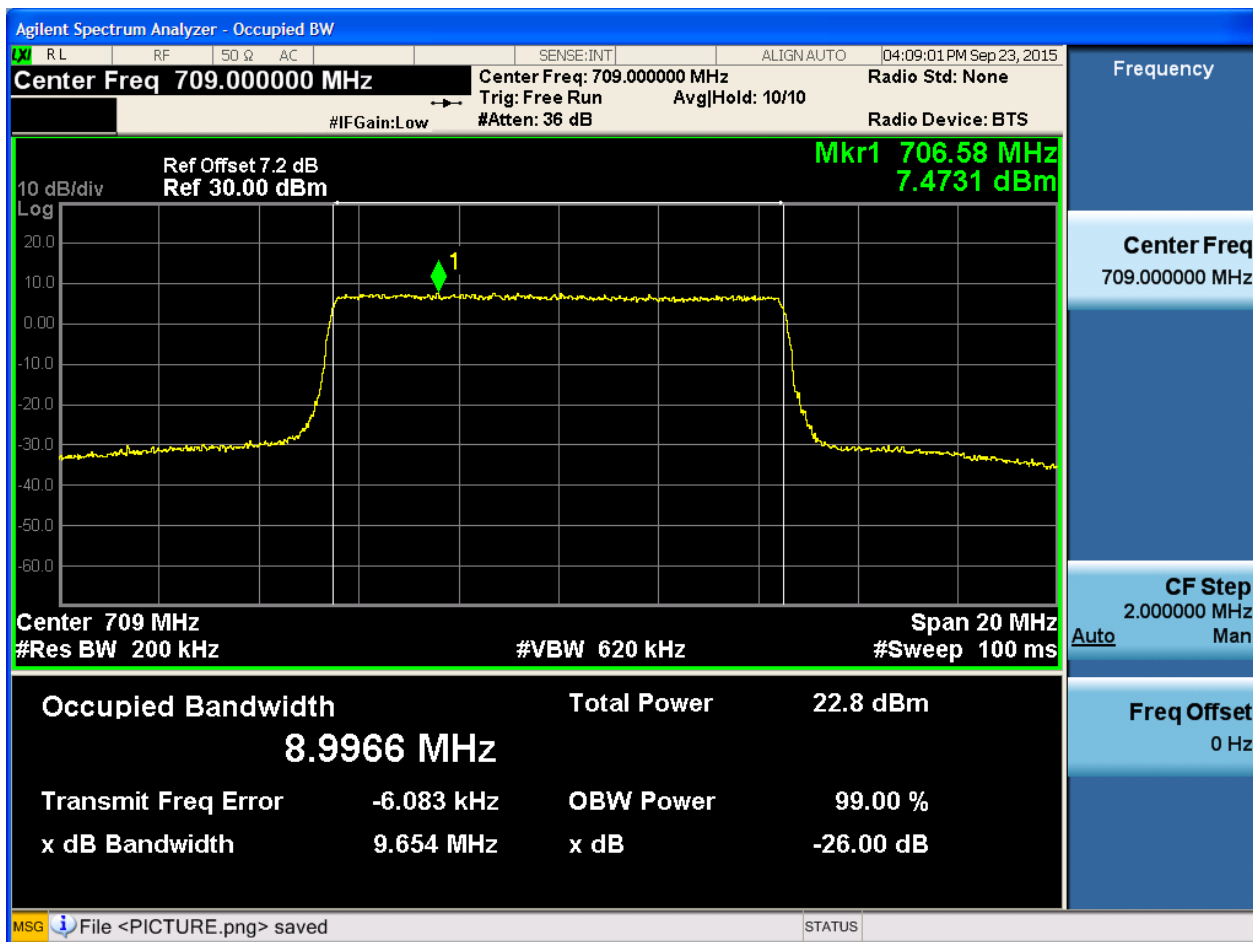




4.1.2.2.2 Test Bandwidth = 10

4.1.2.2.2.1 Test Channel = LCH

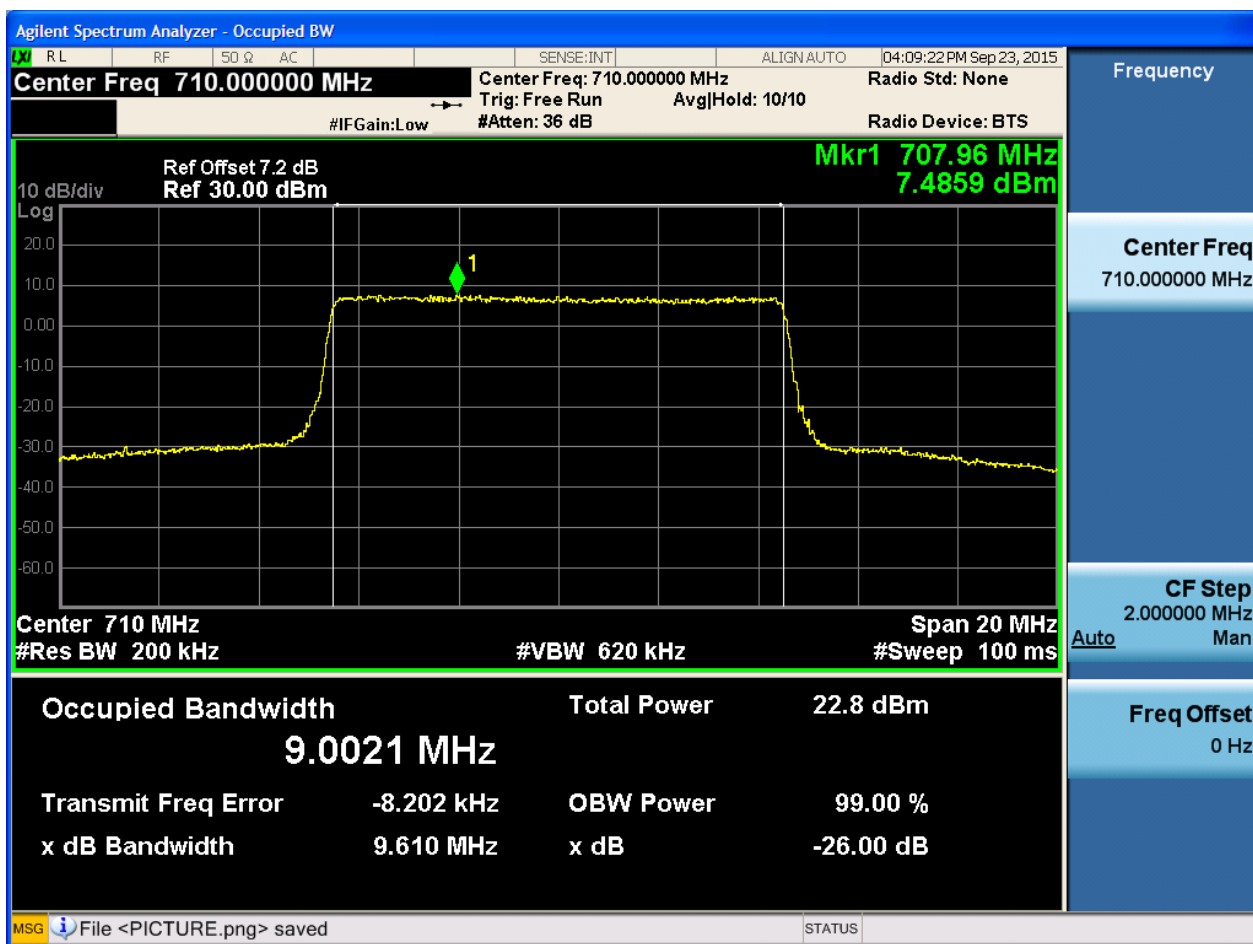
4.1.2.2.2.1.1 Test RB = RB50#0





4.1.2.2.2 Test Channel = MCH

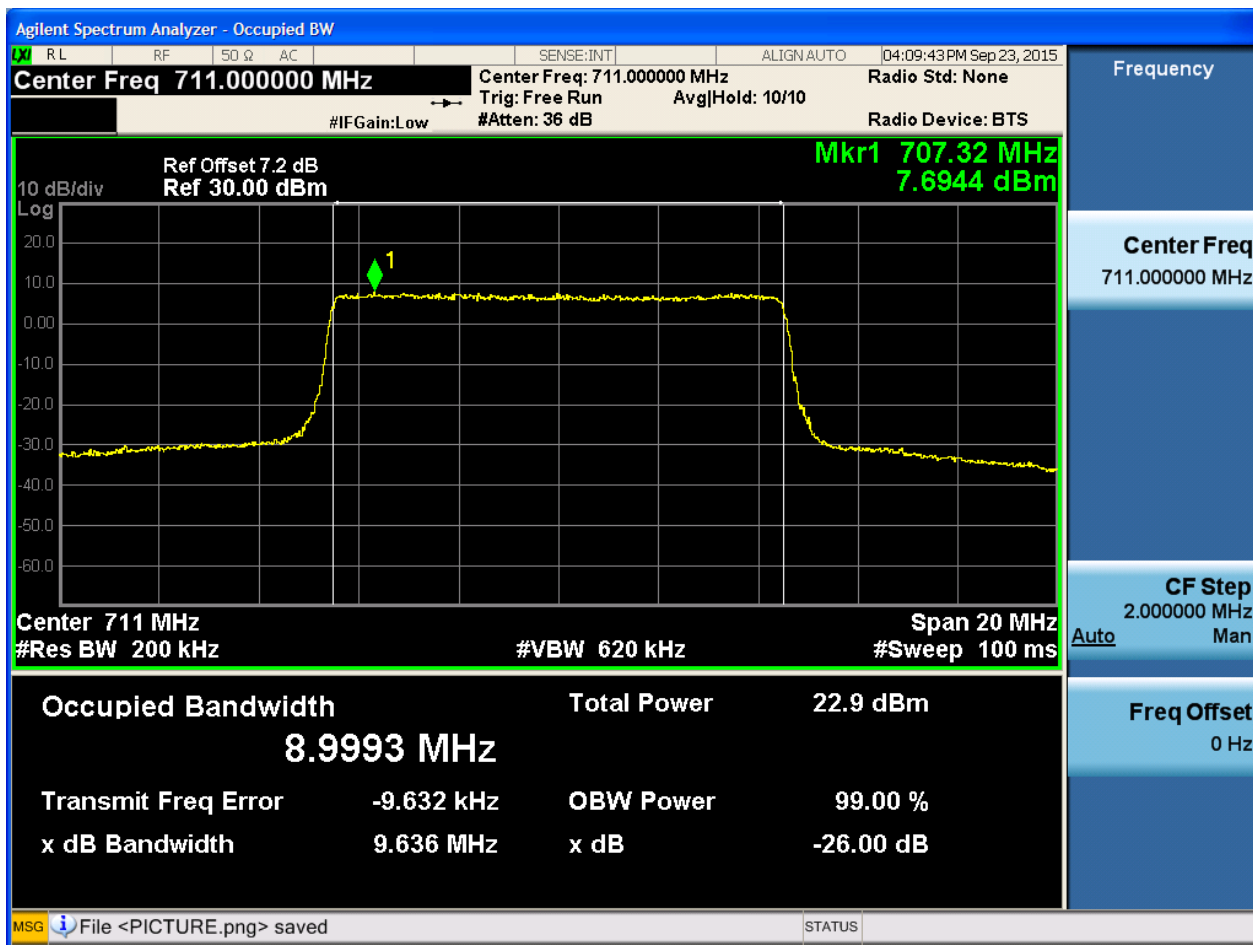
4.1.2.2.2.1 Test RB = RB50#0





4.1.2.2.2.3 Test Channel = HCH

4.1.2.2.2.3.1 Test RB = RB50#0



5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

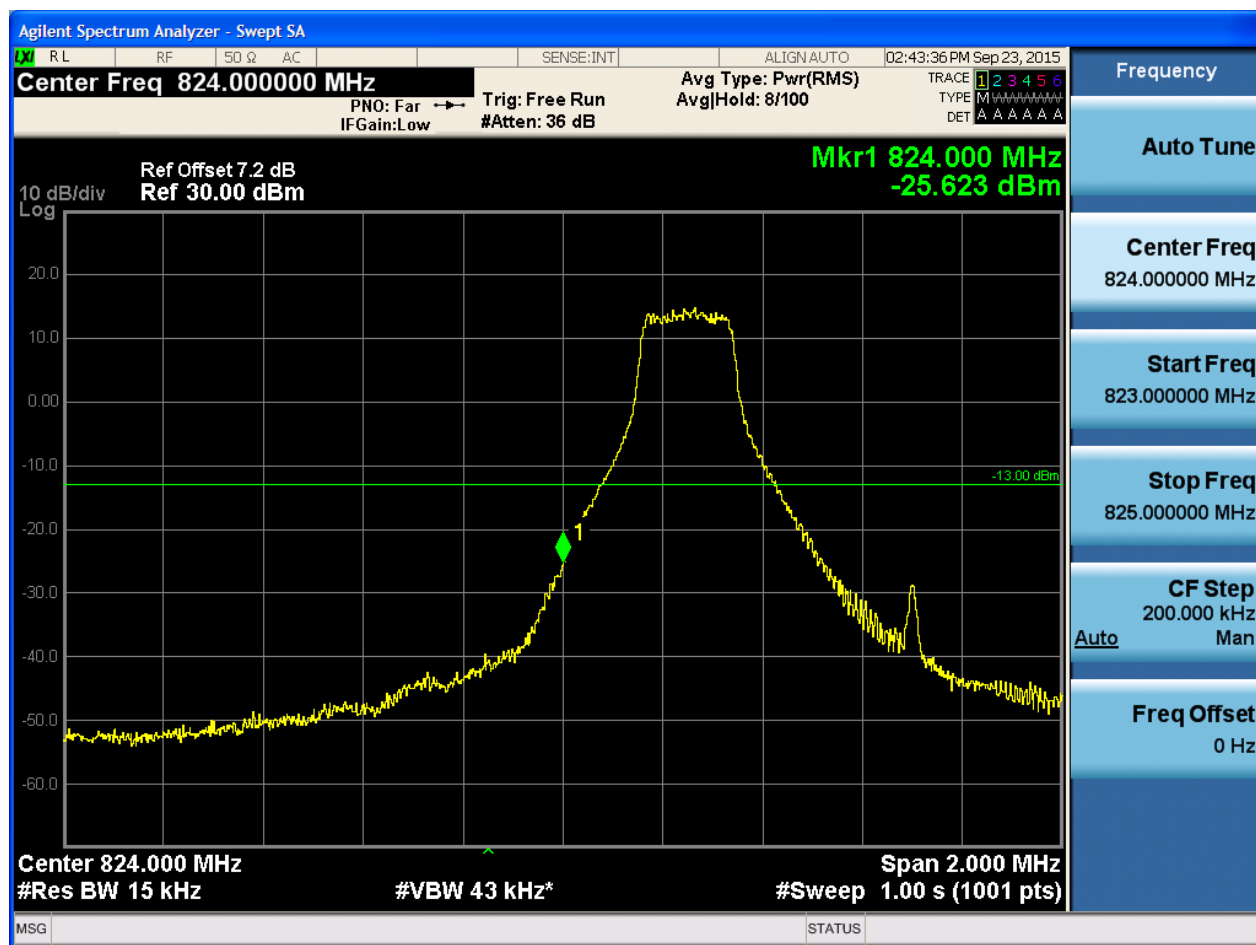
5.1.1 Test Band = BAND5

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



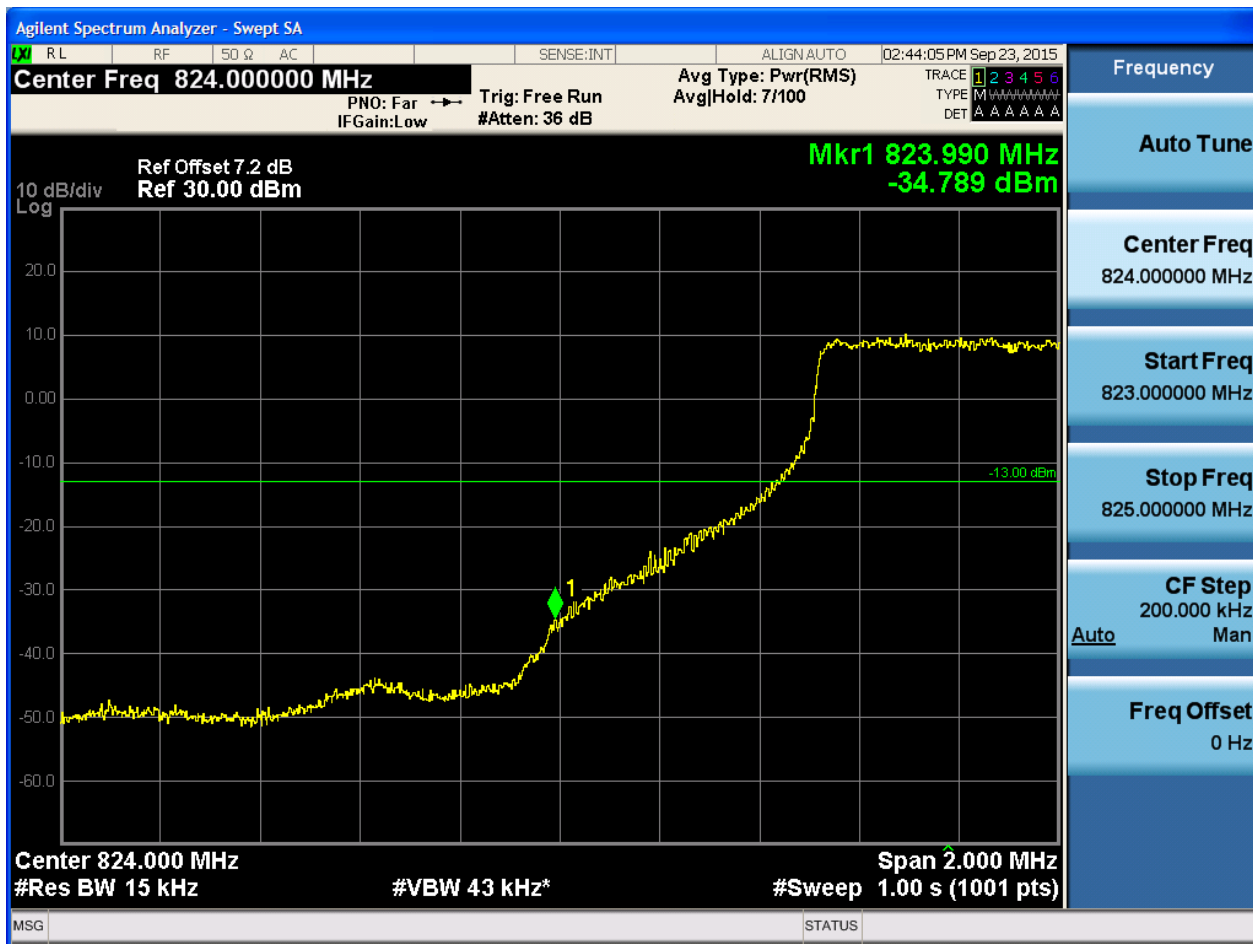


5.1.1.1.1.2 Test RB = RB1#5



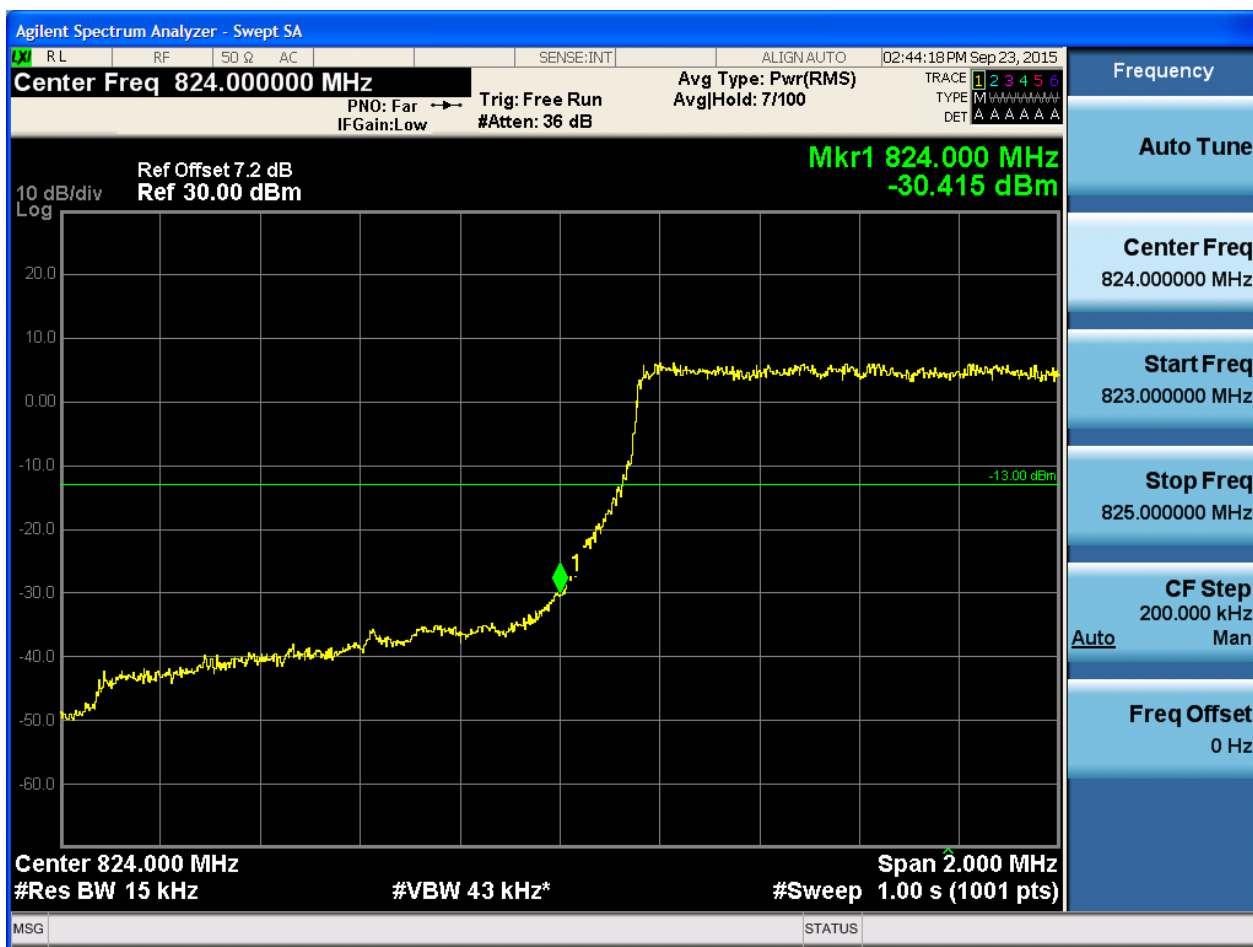


5.1.1.1.1.3 Test RB = RB3#2





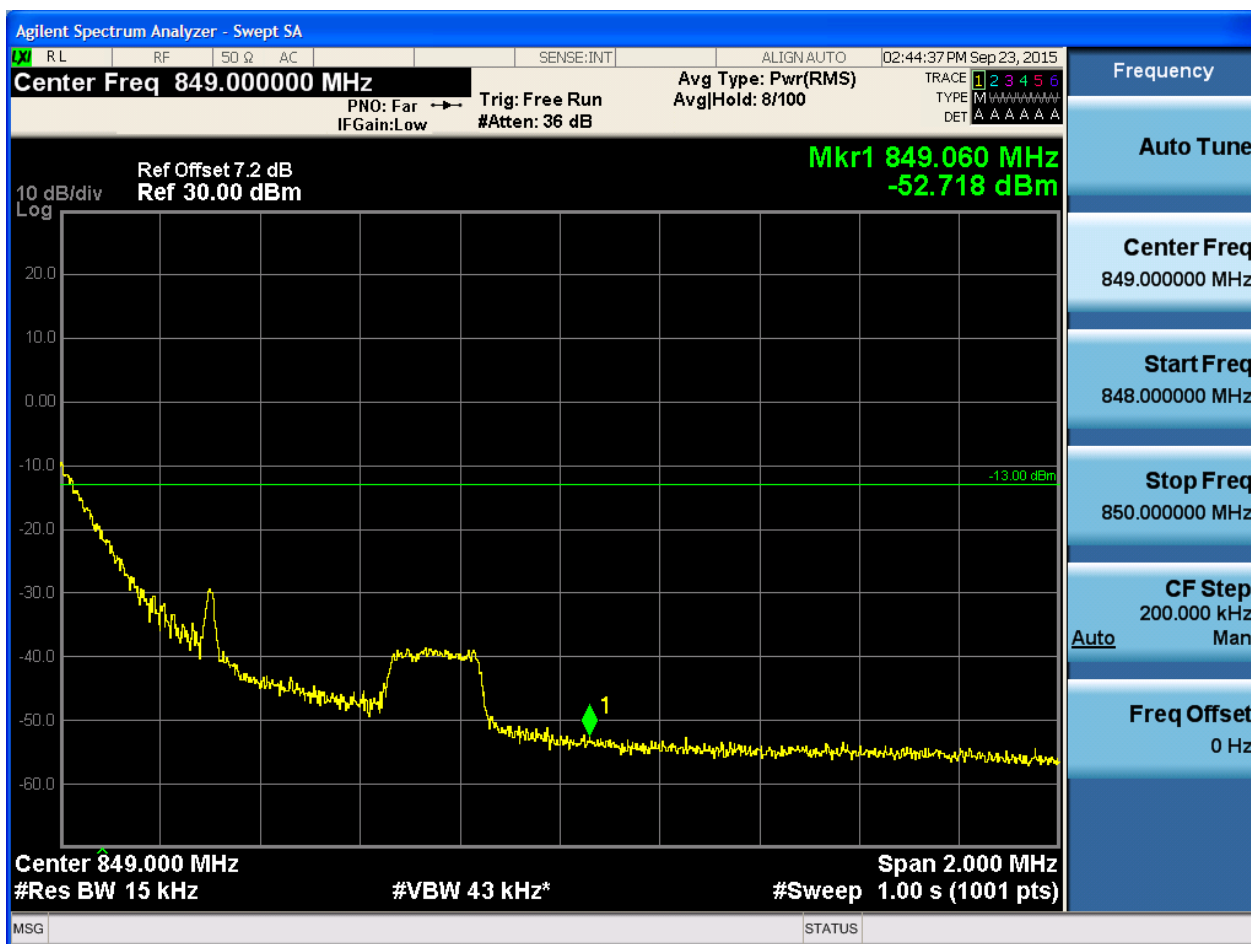
5.1.1.1.1.4 Test RB = RB6#0





5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 7.2 dB
Ref 30.00 dBm

10 dB/div
Log

Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 7.2 dB
Ref 30.00 dBm

10 dB/div
Log

Center 849.000 MHz
#Res BW 15 kHz

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq
849.000000 MHz

Start Freq
848.000000 MHz

Stop Freq
850.000000 MHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz

MSG

STATUS

Frequency

Auto Tune

Center Freq
849.000000 MHz

Start Freq
848.000000 MHz

Stop Freq
850.000000 MHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz

MSG

STATUS



5.1.1.1.2.3 Test RB = RB3#2



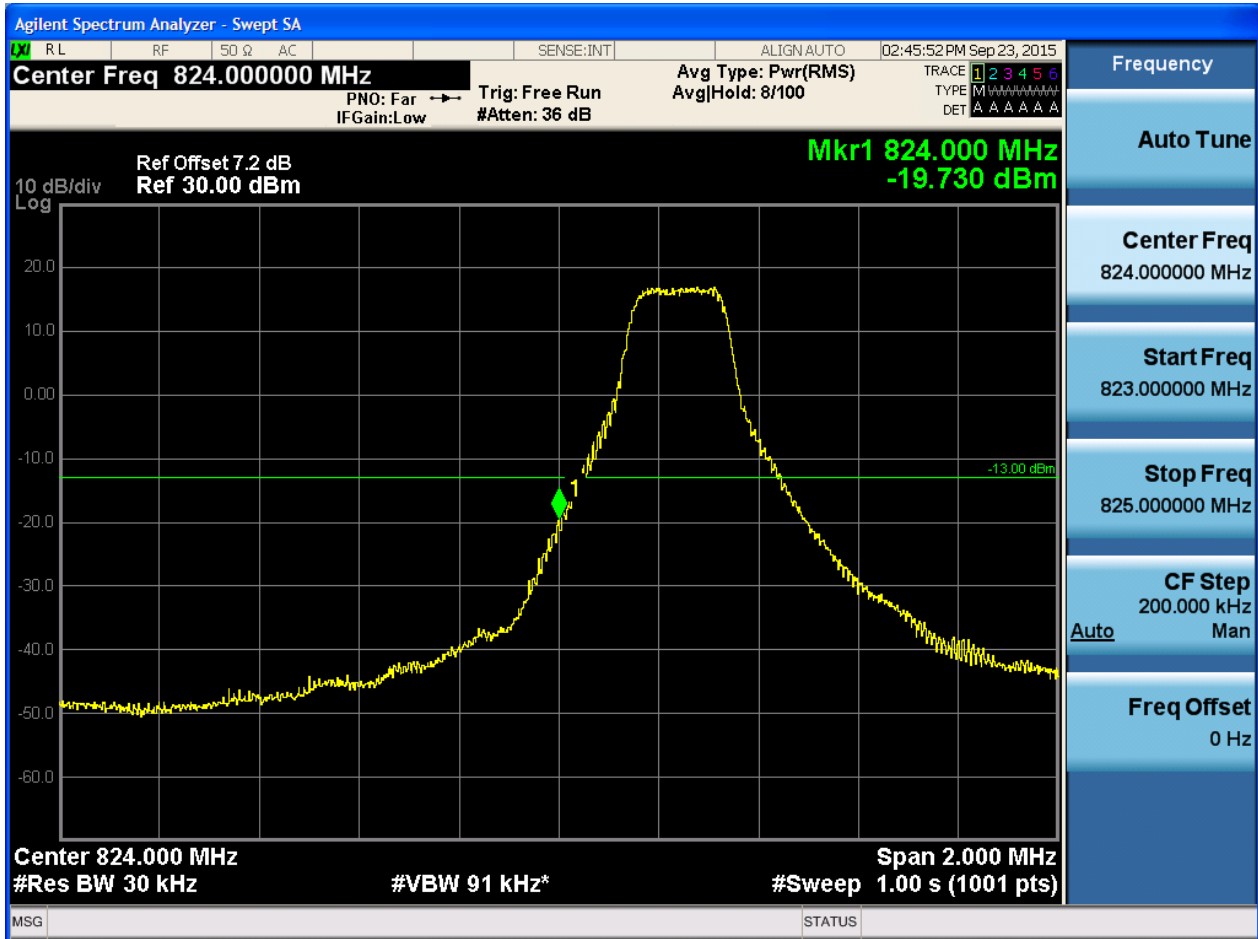


5.1.1.1.2.4 Test RB = RB6#0



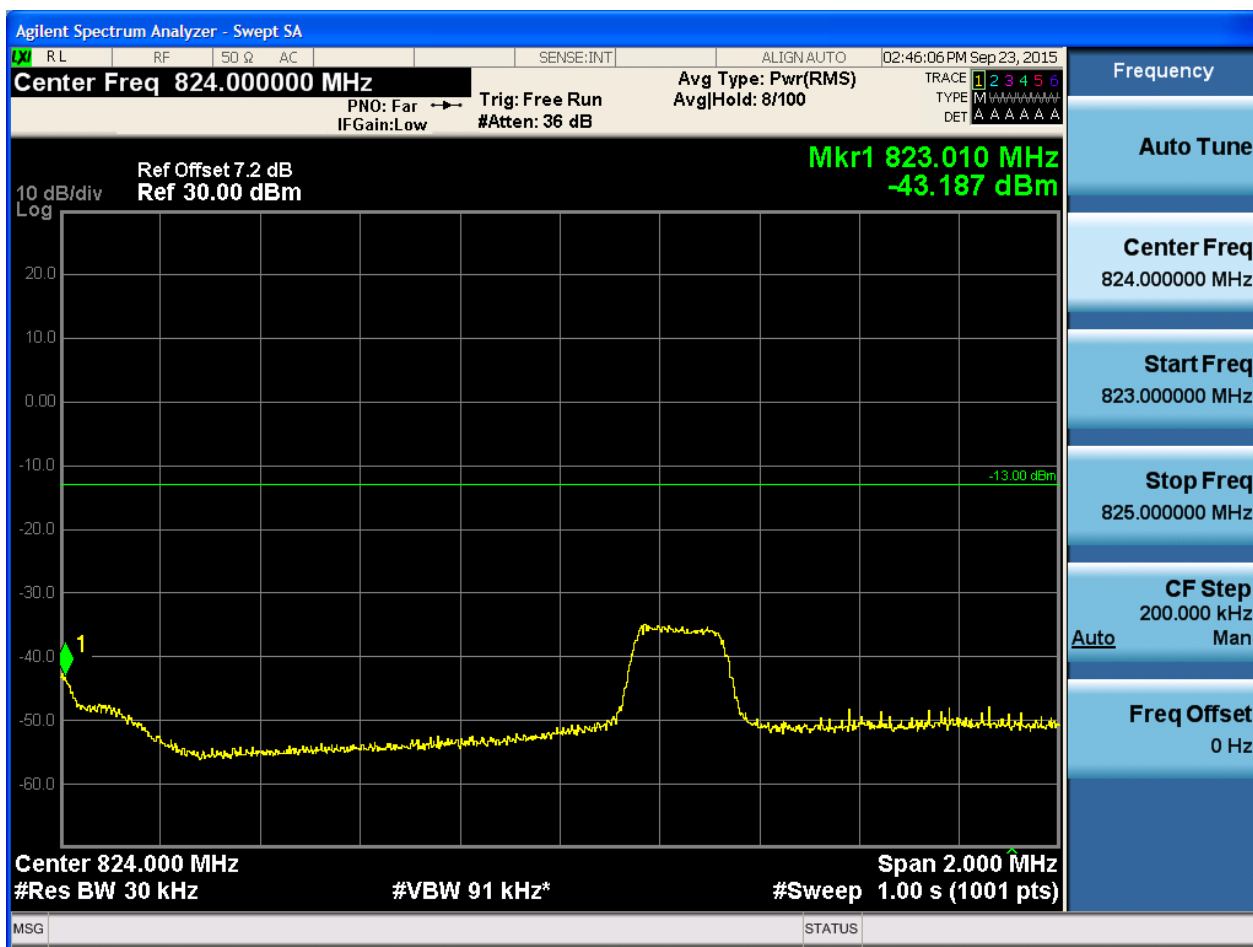


5.1.1.1.2.1.1 Test RB = RB1#0





5.1.1.1.2.1.2 Test RB = RB1#14



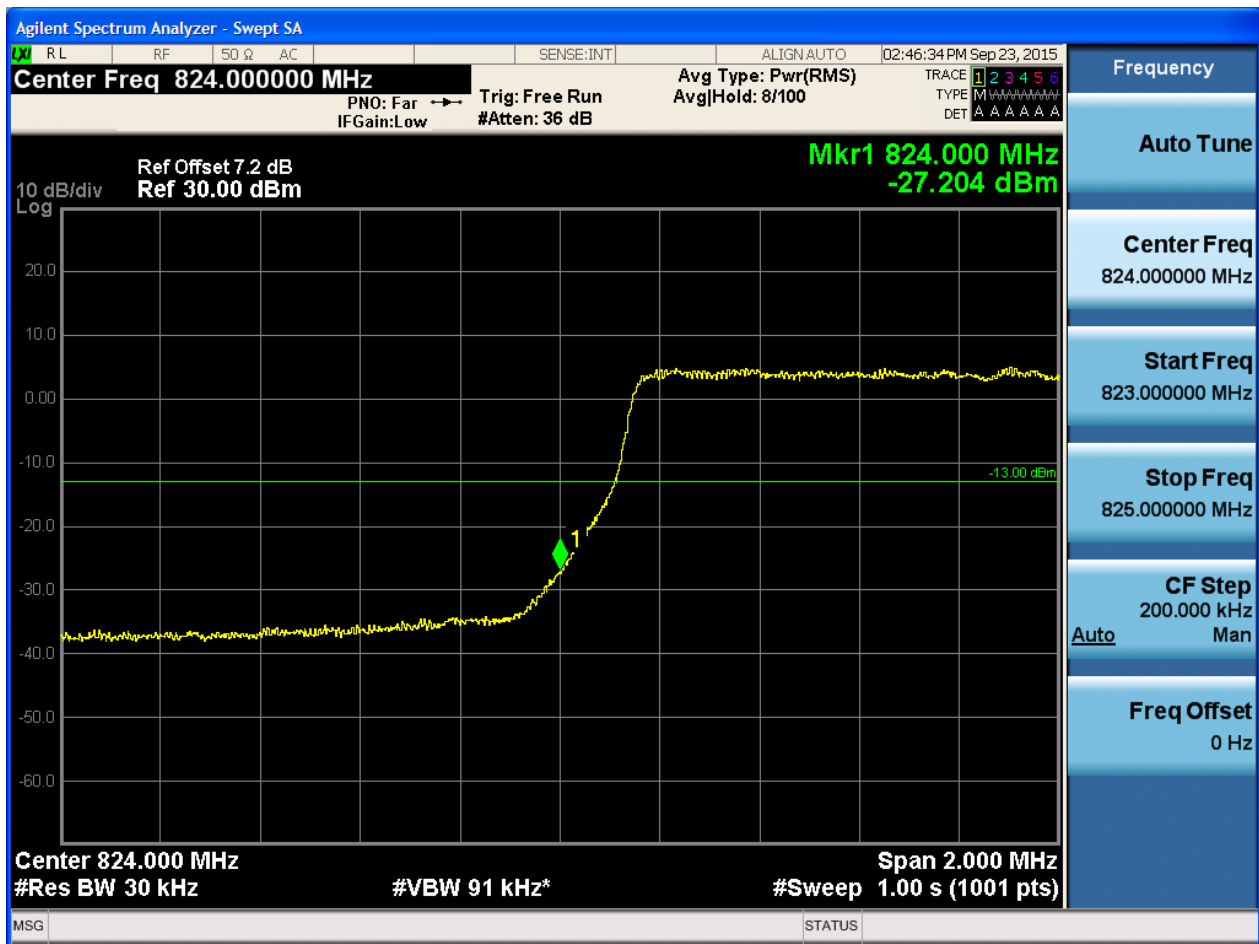


5.1.1.1.2.1.3 Test RB = RB8#4





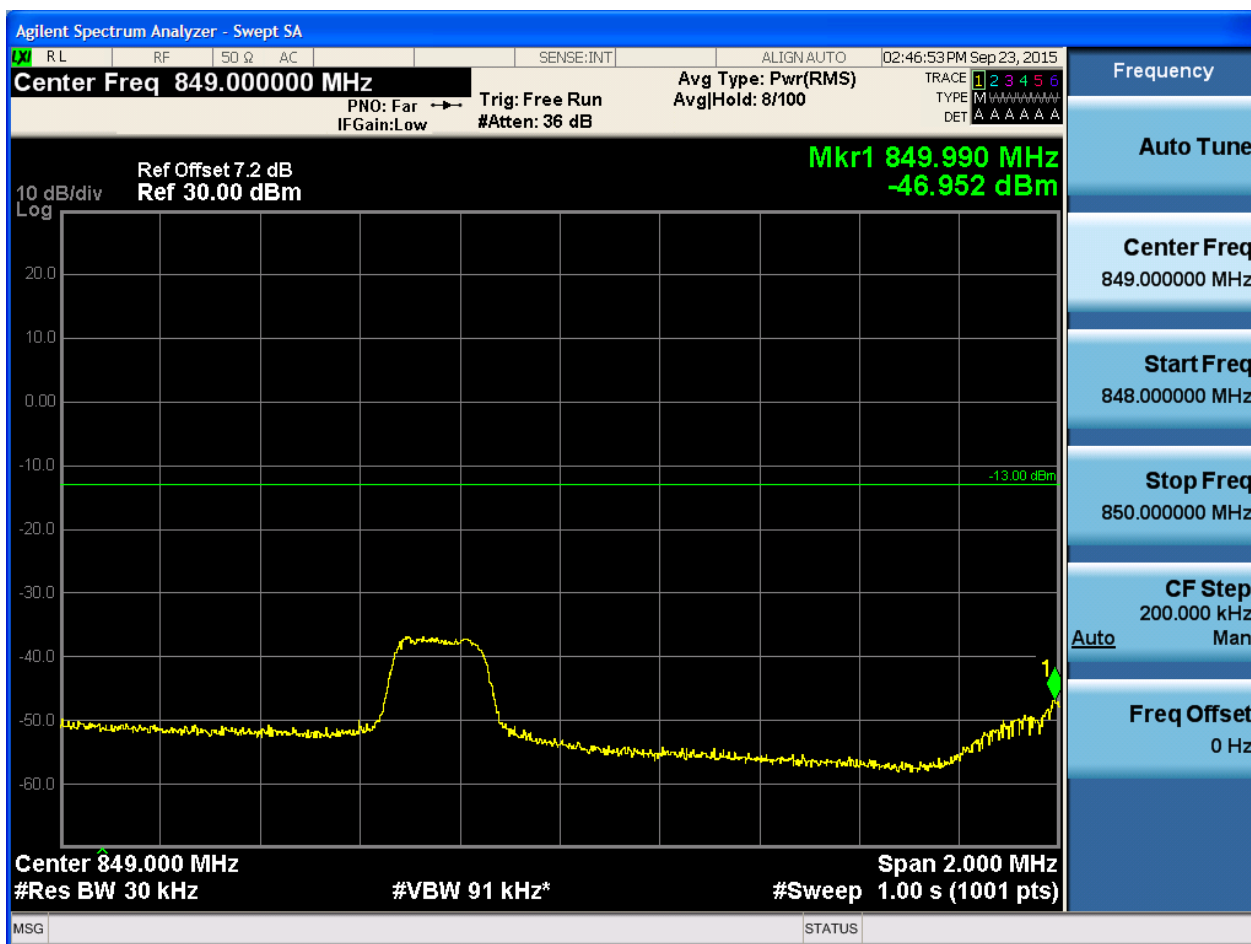
5.1.1.1.2.1.4 Test RB = RB15#0





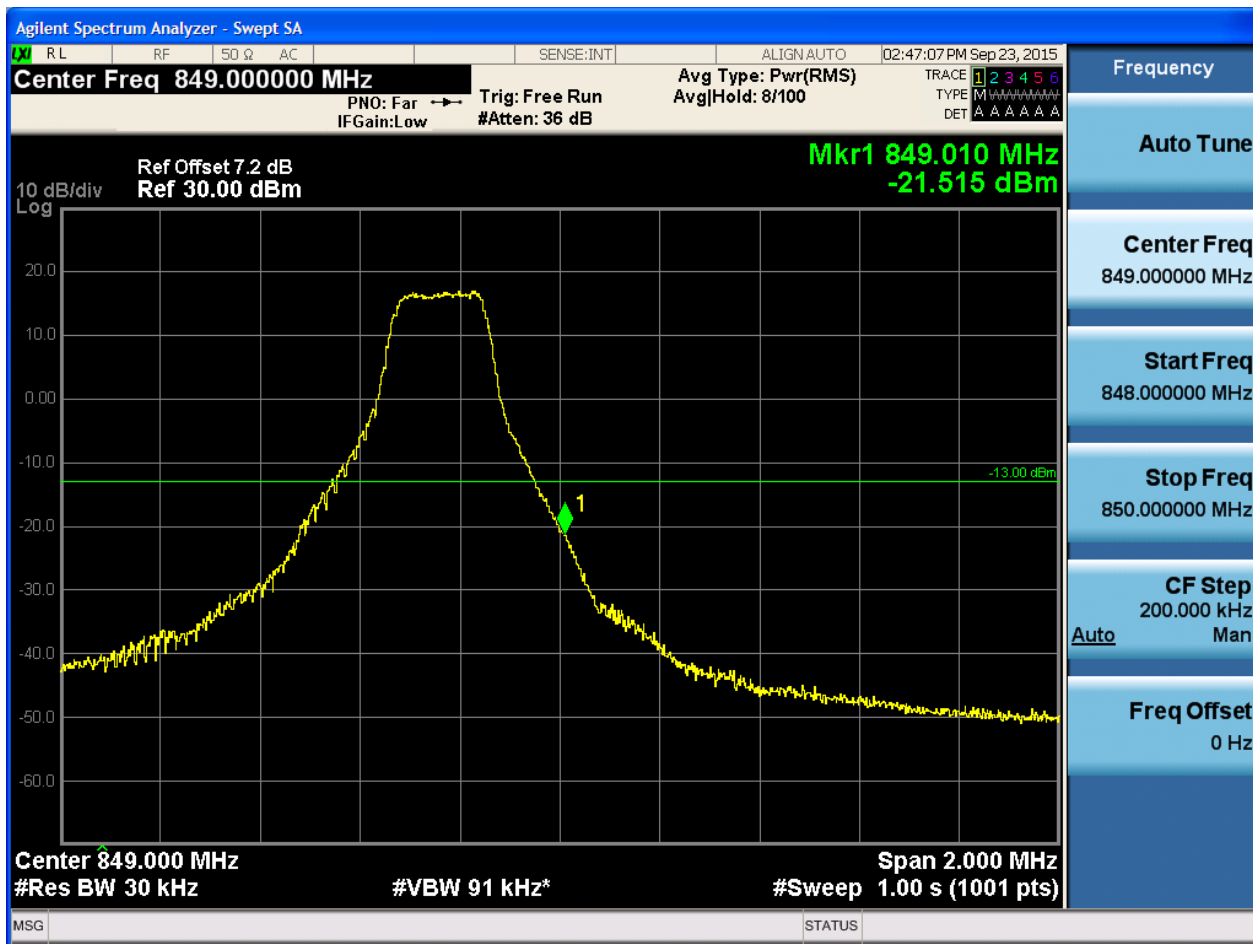
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0





5.1.1.1.2.2.2 Test RB = RB1#14





Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 7.2 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 849.000 MHz
-35.052 dBm

Center 849.000 MHz
#Res BW 30 kHz

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq
849.000000 MHz

Start Freq
848.000000 MHz

Stop Freq
850.000000 MHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz



5.1.1.1.2.2.4 Test RB = RB15#0

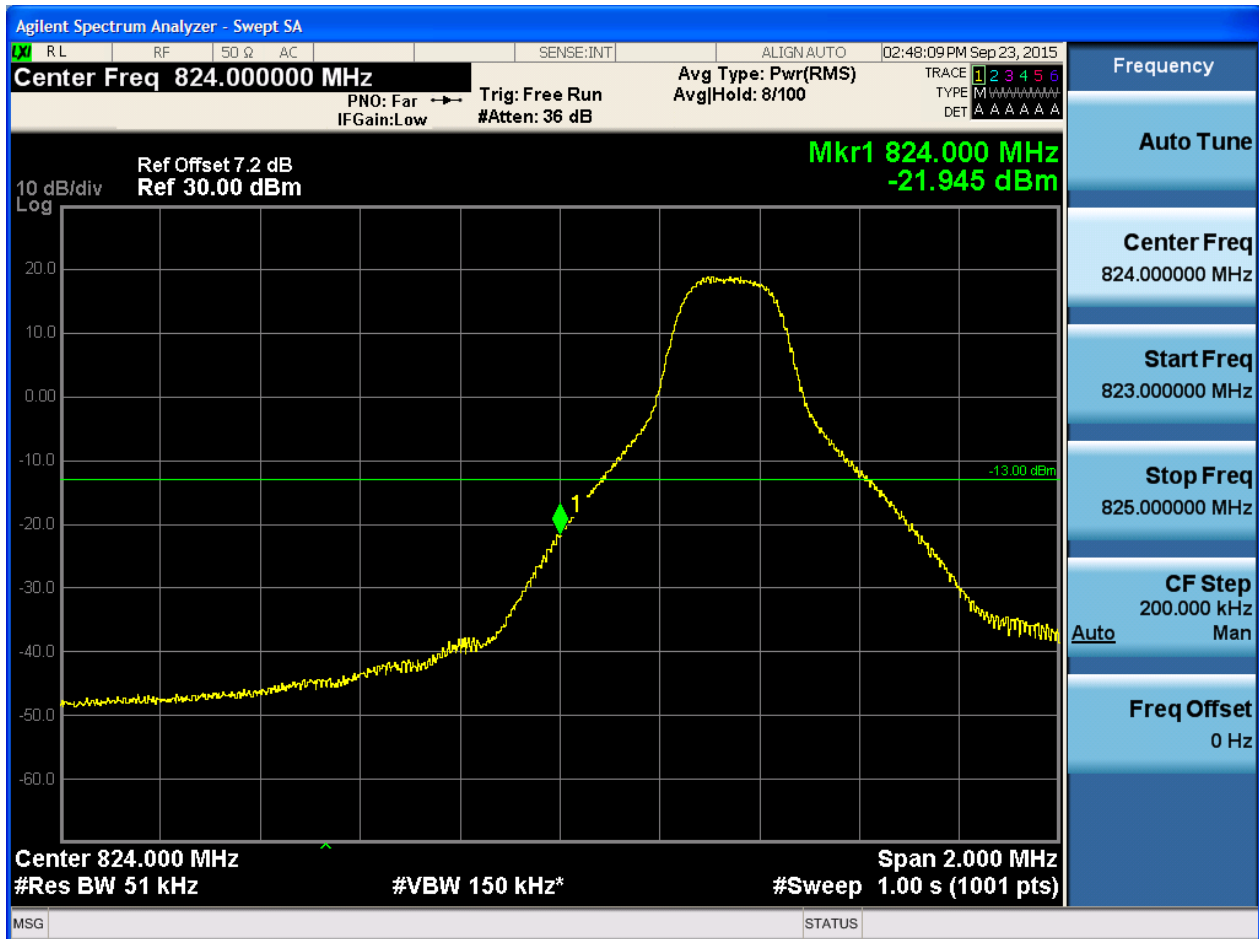




5.1.1.1.3 Test Bandwidth = 5

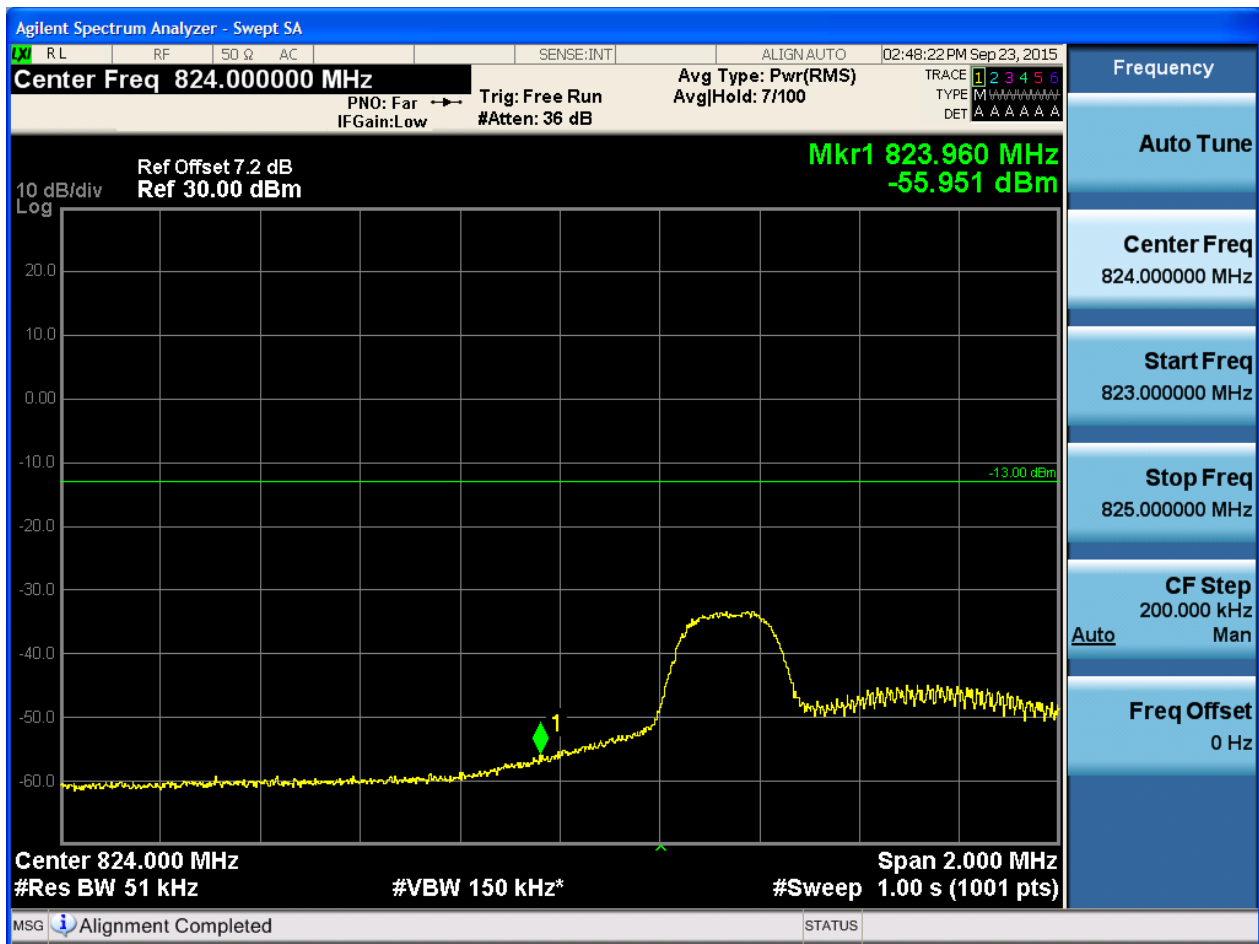
5.1.1.1.3.1 Test Channel = LCH

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





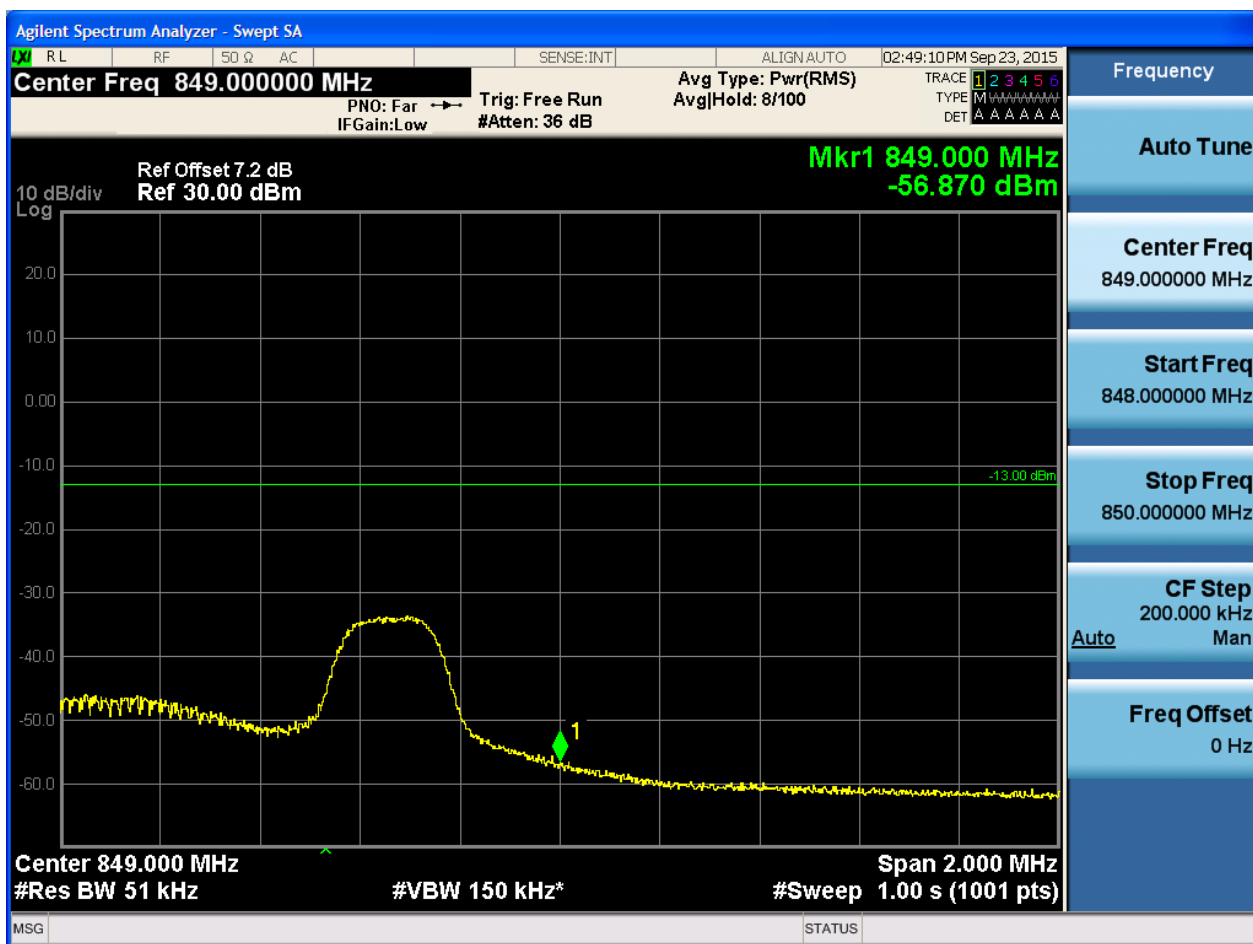
5.1.1.1.3.1.4 Test RB = RB25#0





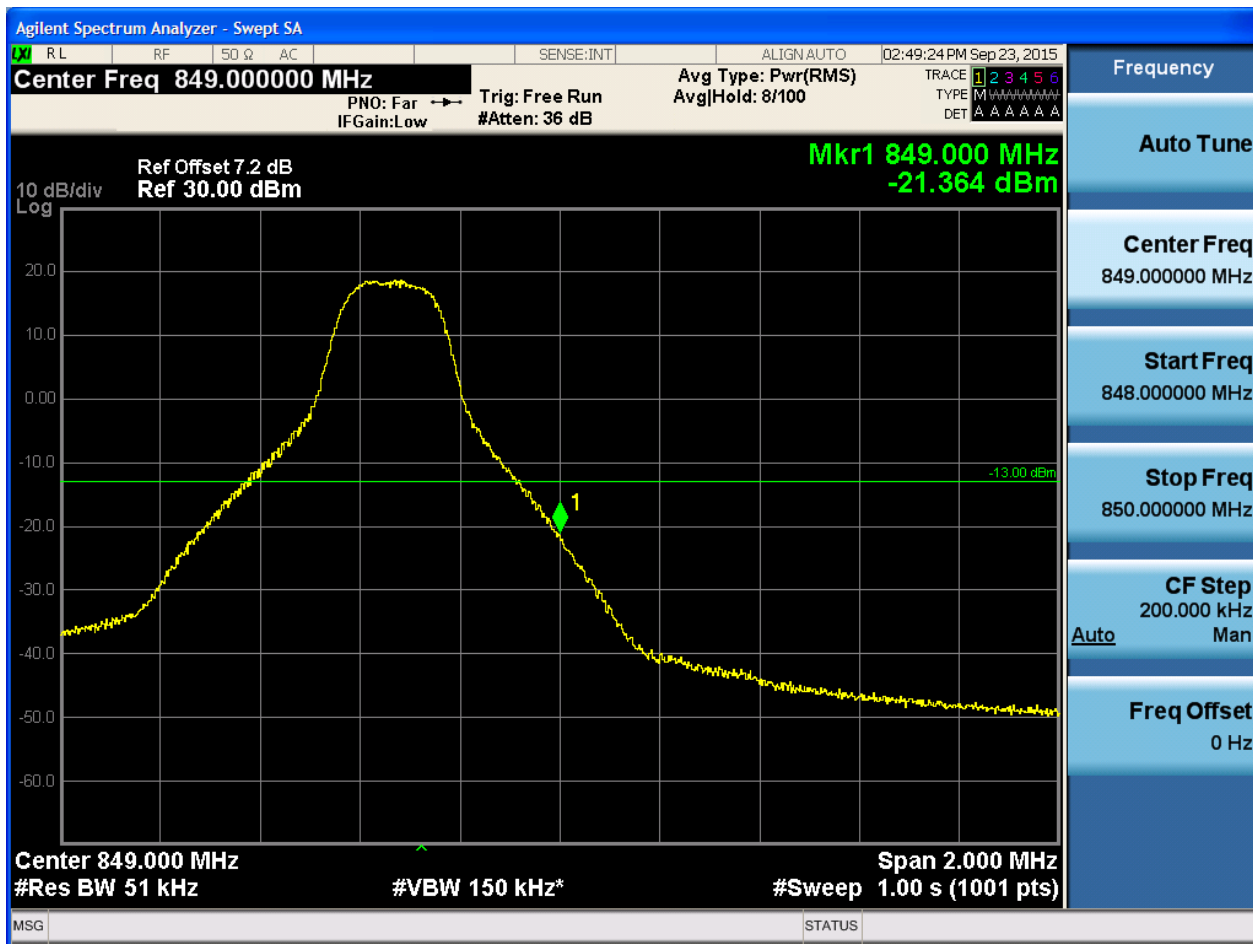
5.1.1.1.3.2 Test Channel = HCH

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





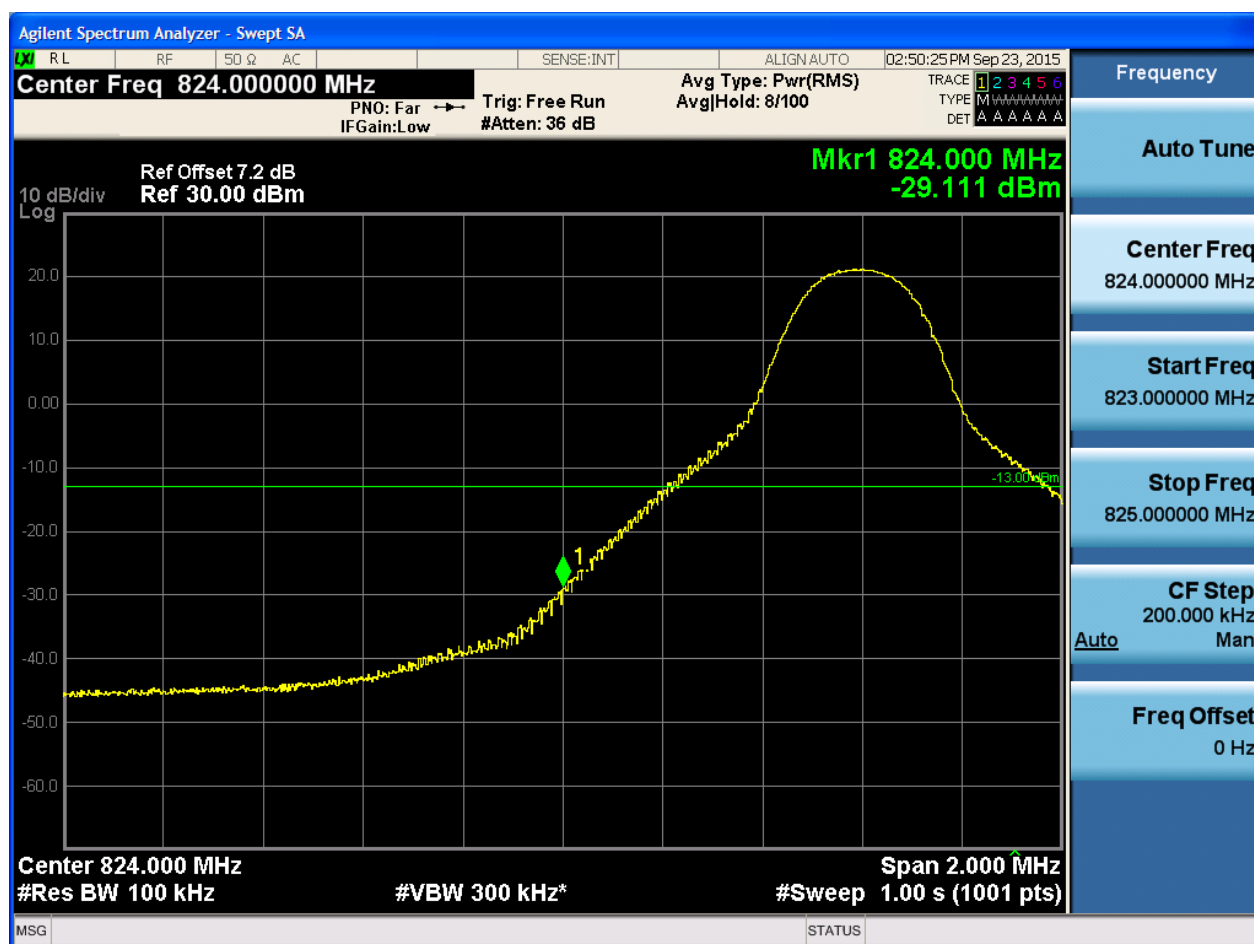
5.1.1.1.3.2.4 Test RB = RB25#0



5.1.1.1.4 Test Bandwidth = 10

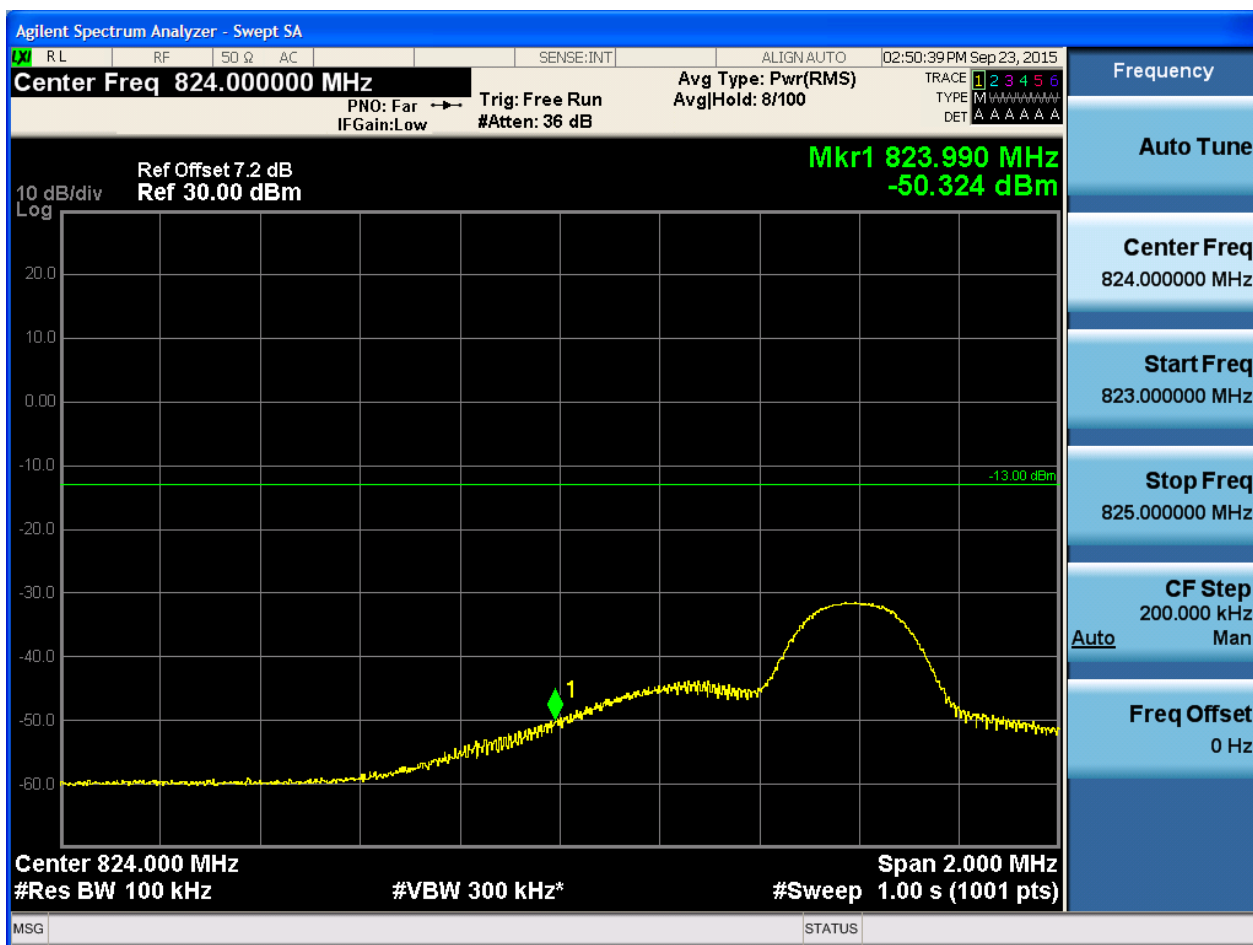
5.1.1.1.4.1 Test Channel = LCH

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





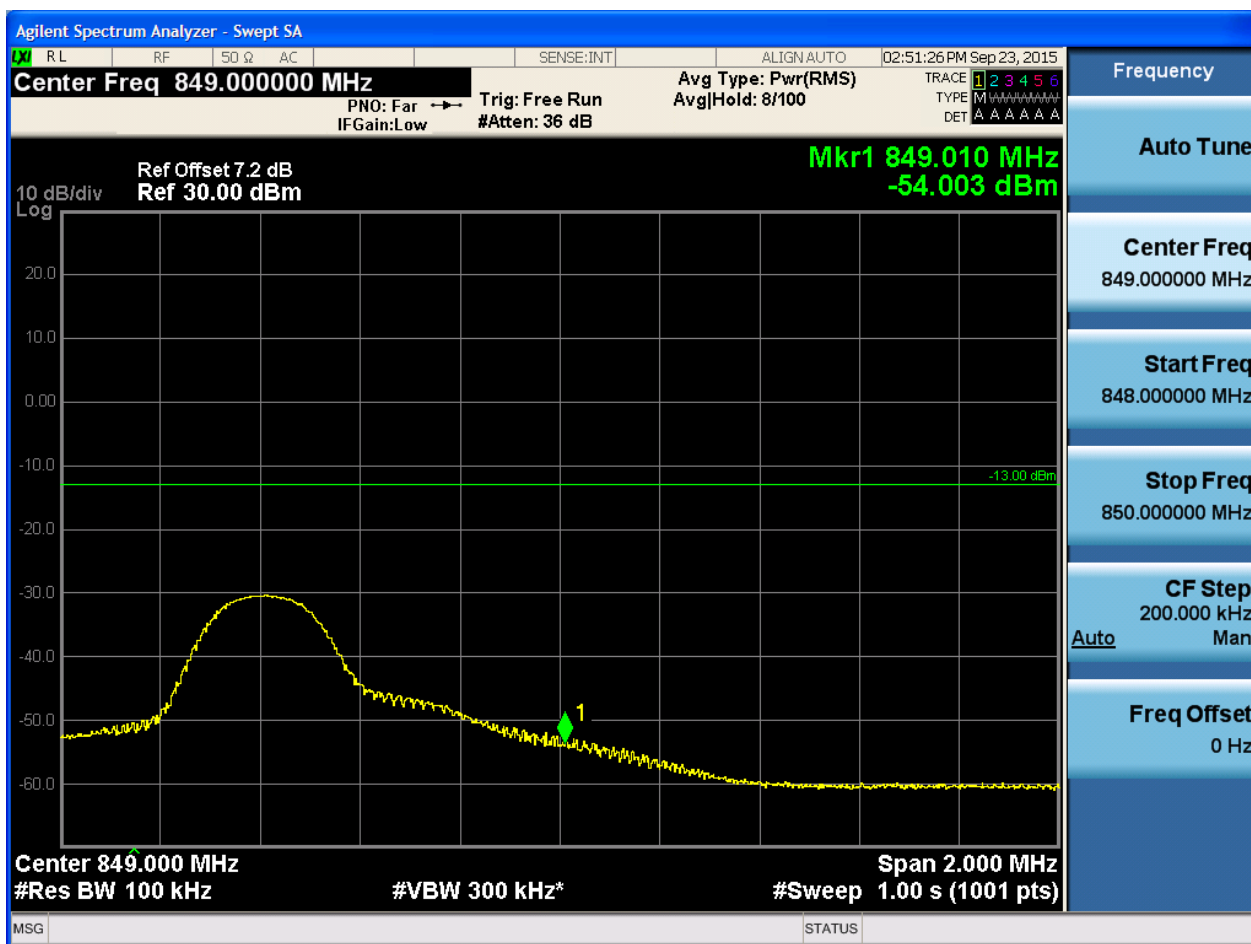
5.1.1.1.4.1.4 Test RB = RB50#0





5.1.1.1.4.2 Test Channel = HCH

5.1.1.1.4.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 7.2 dB
Ref 30.00 dBm

10 dB/div
Log

Trig: Free Run
#Atten: 36 dB

Avg Type: Pwr(RMS)
AvgHold: 8/100

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET A A A A A A

Mkr1 849.000 MHz
-31.786 dBm

Center 849.000 MHz
#Res BW 100 kHz

#VBW 300 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Frequency

Auto Tune

Center Freq
849.000000 MHz

Start Freq
848.000000 MHz

Stop Freq
850.000000 MHz

CF Step
200.000 kHz
Man

Auto

Freq Offset
0 Hz

MSG

STATUS



5.1.1.1.4.2.3 Test RB = RB25#13





5.1.1.1.4.2.4 Test RB = RB50#0



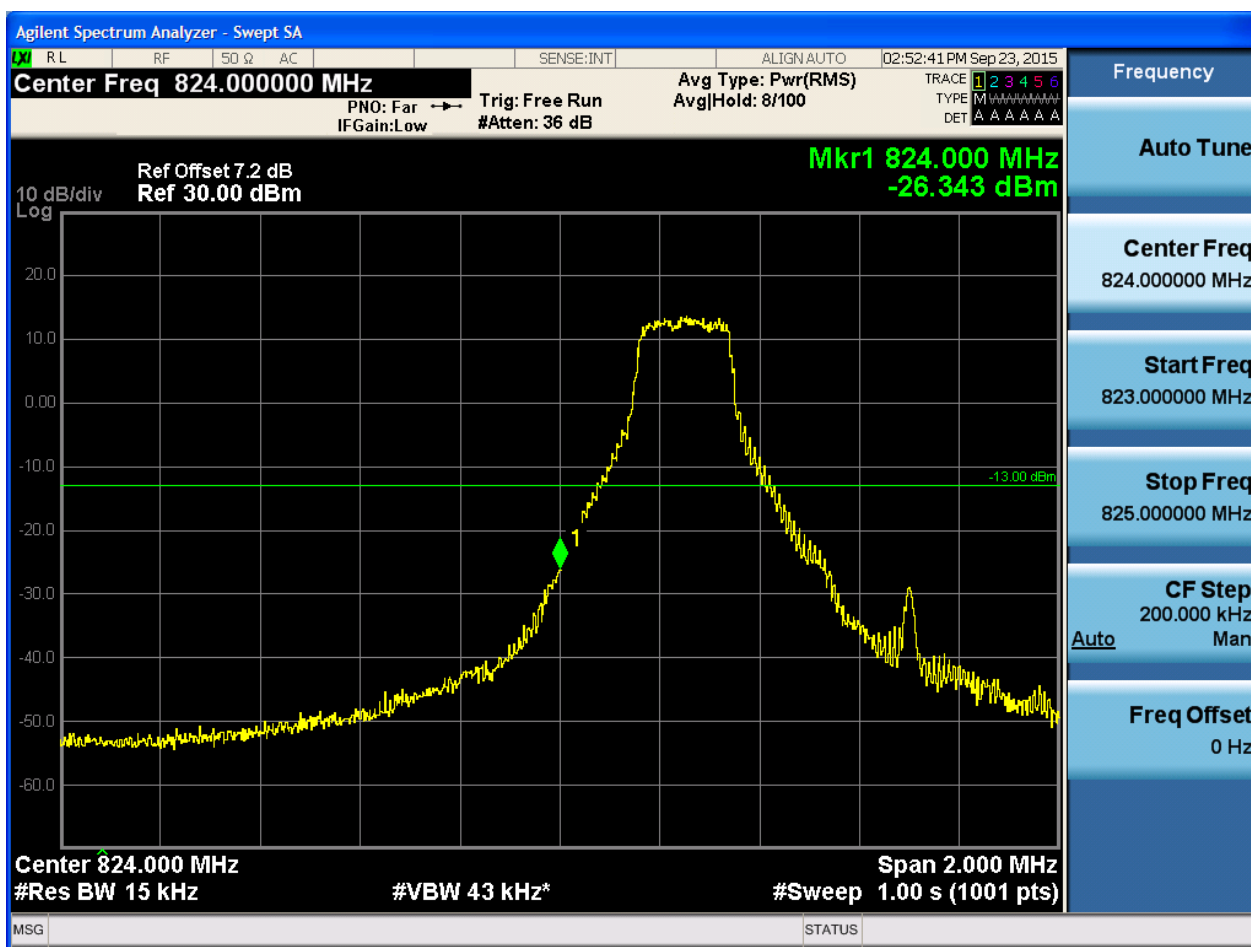


5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 1.4

5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0



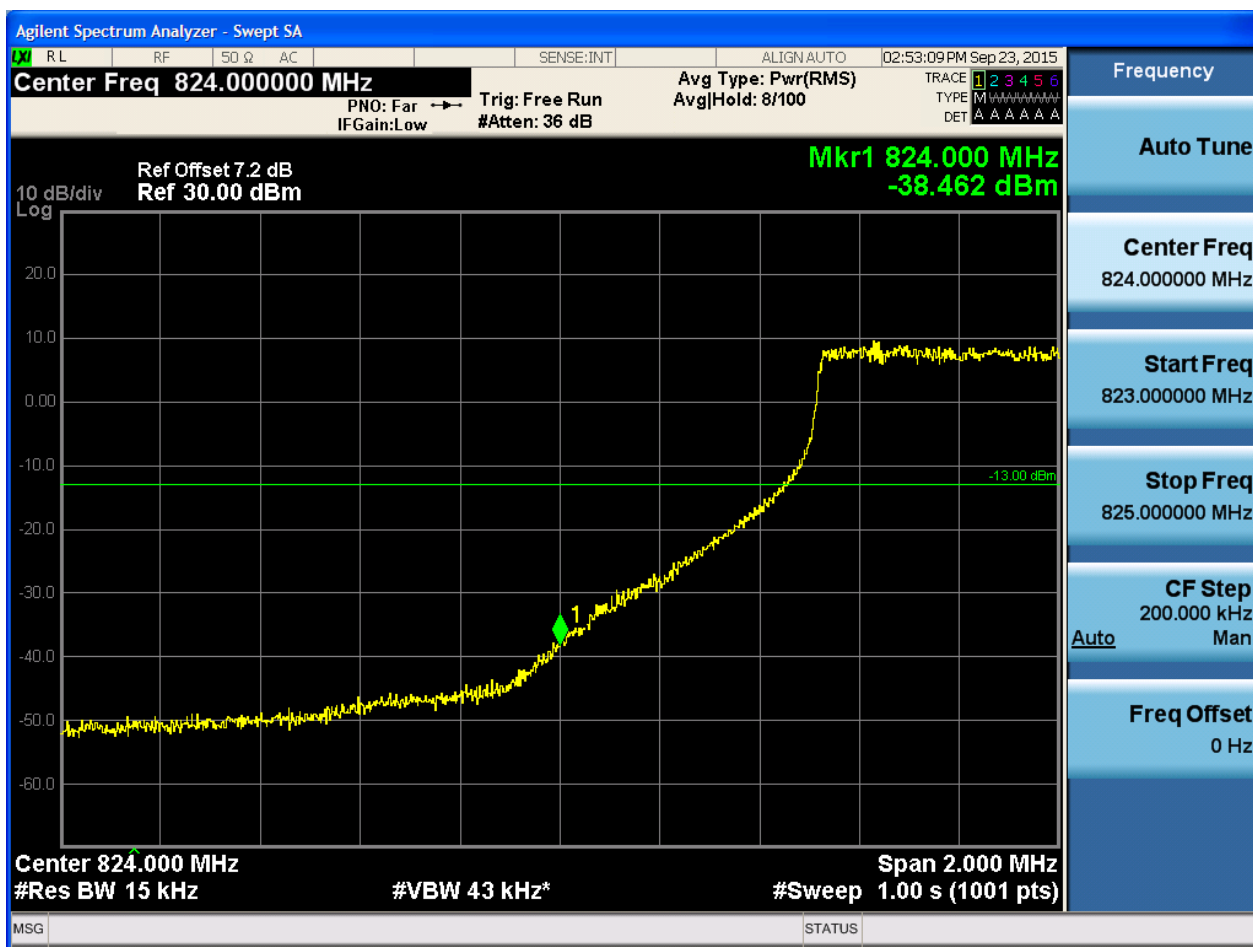


5.1.1.2.1.1.2 Test RB = RB1#5



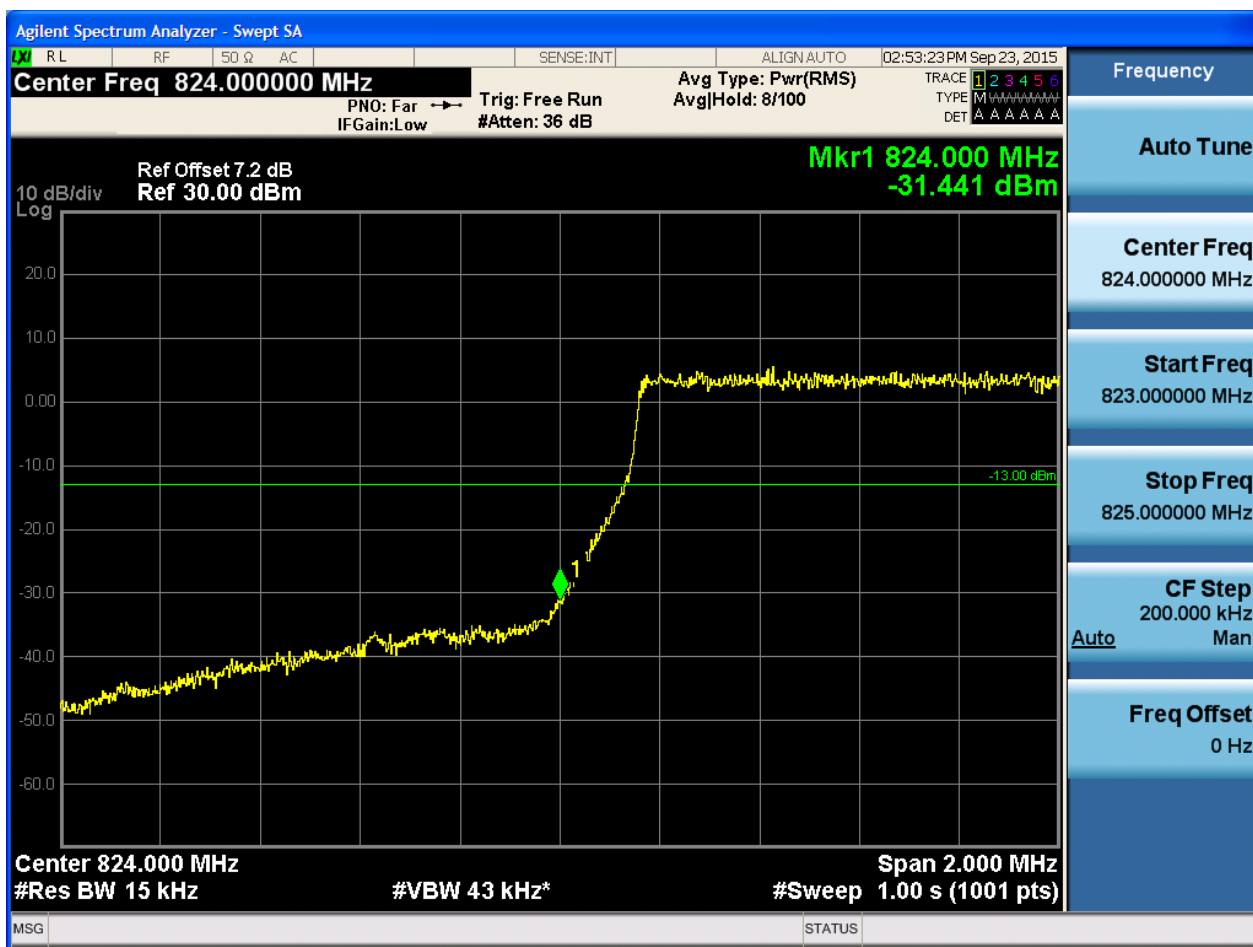


5.1.1.2.1.1.3 Test RB = RB3#2





5.1.1.2.1.1.4 Test RB = RB6#0





5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 7.2 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 849.000 MHz
-24.403 dBm

Center 849.000 MHz
#Res BW 15 kHz

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq
849.000000 MHz

Start Freq
848.000000 MHz

Stop Freq
850.000000 MHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz



5.1.1.2.1.2.3 Test RB = RB3#2





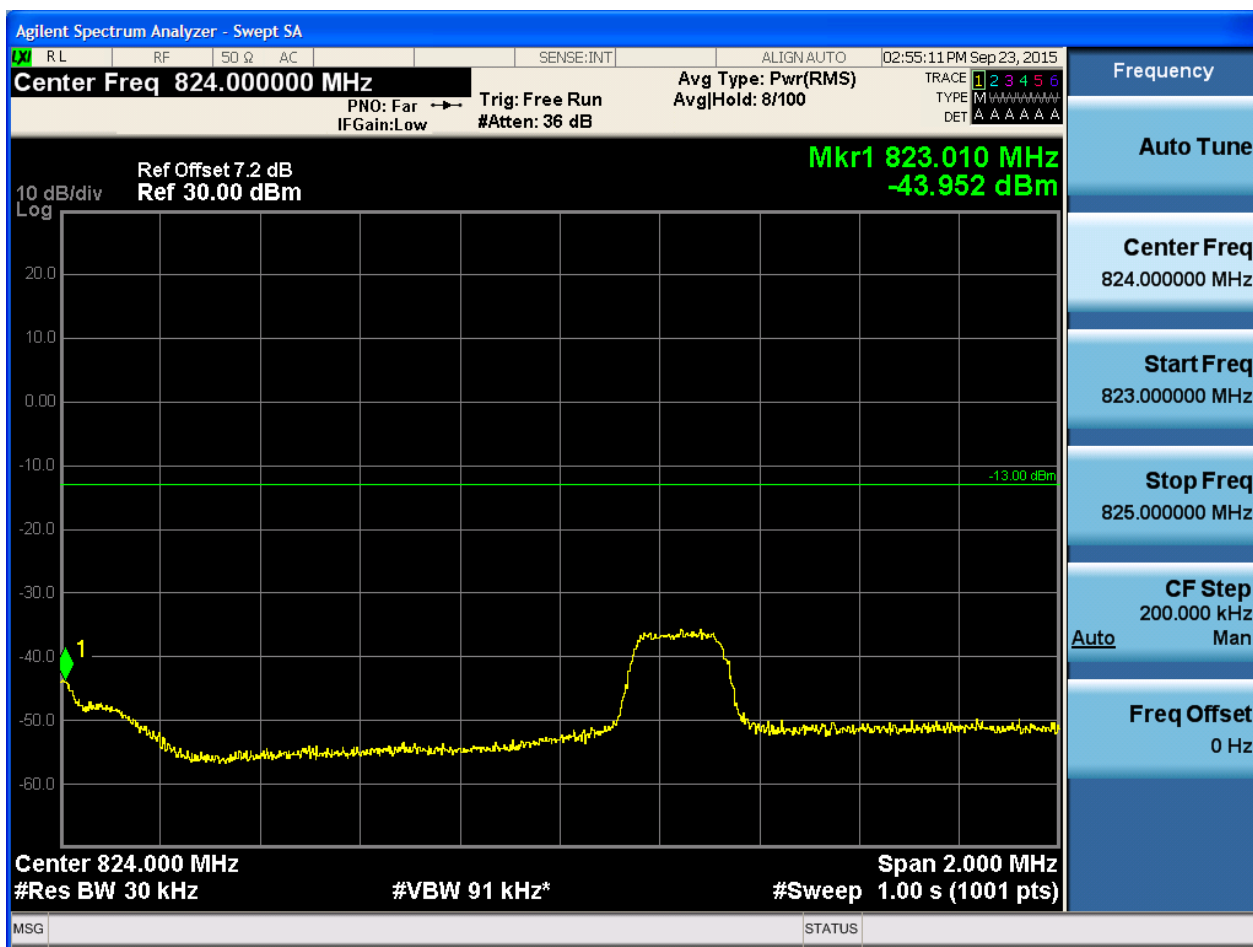
5.1.1.2.1.2.4 Test RB = RB6#0







5.1.1.2.2.1.2 Test RB = RB1#14



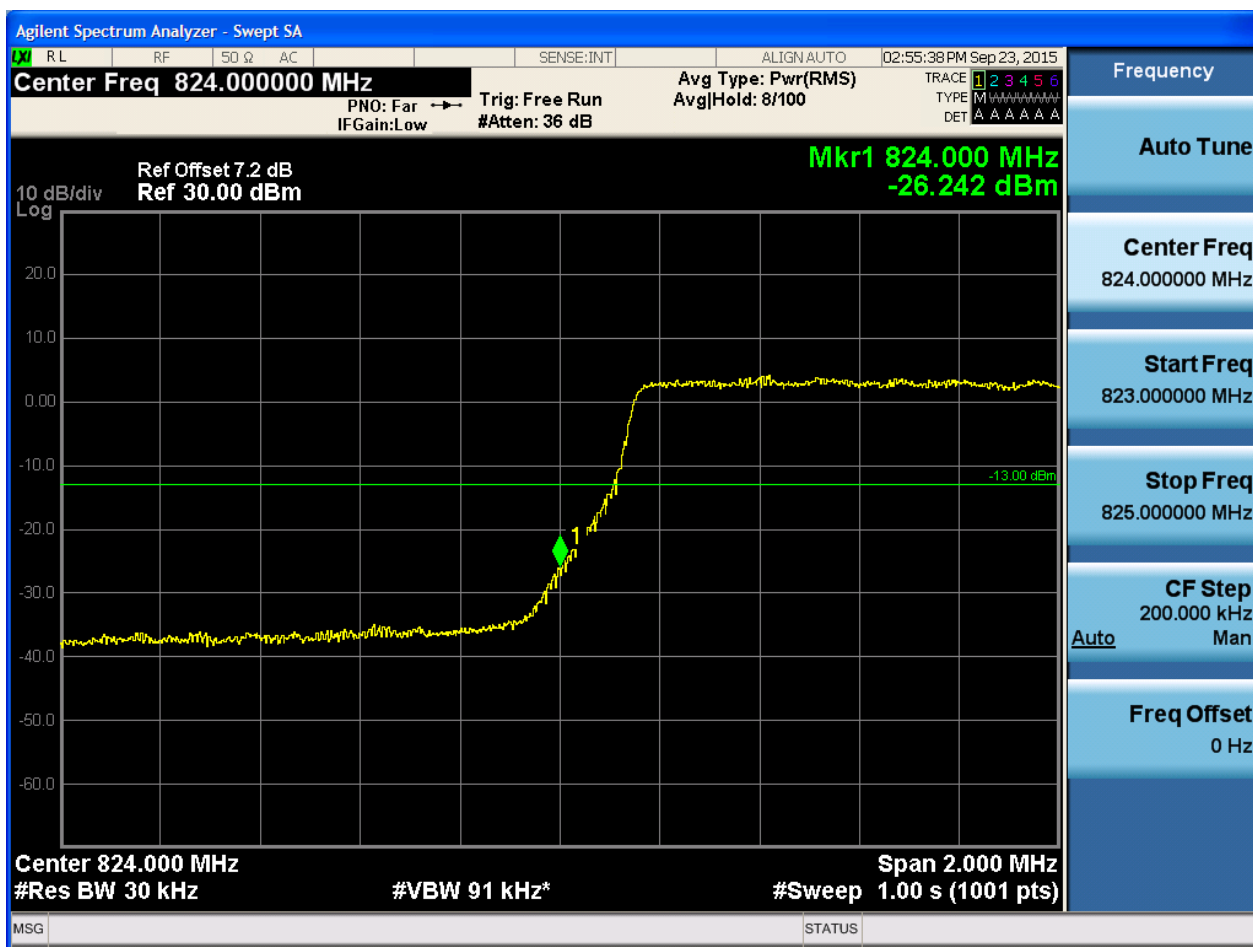


5.1.1.2.2.1.3 Test RB = RB8#4





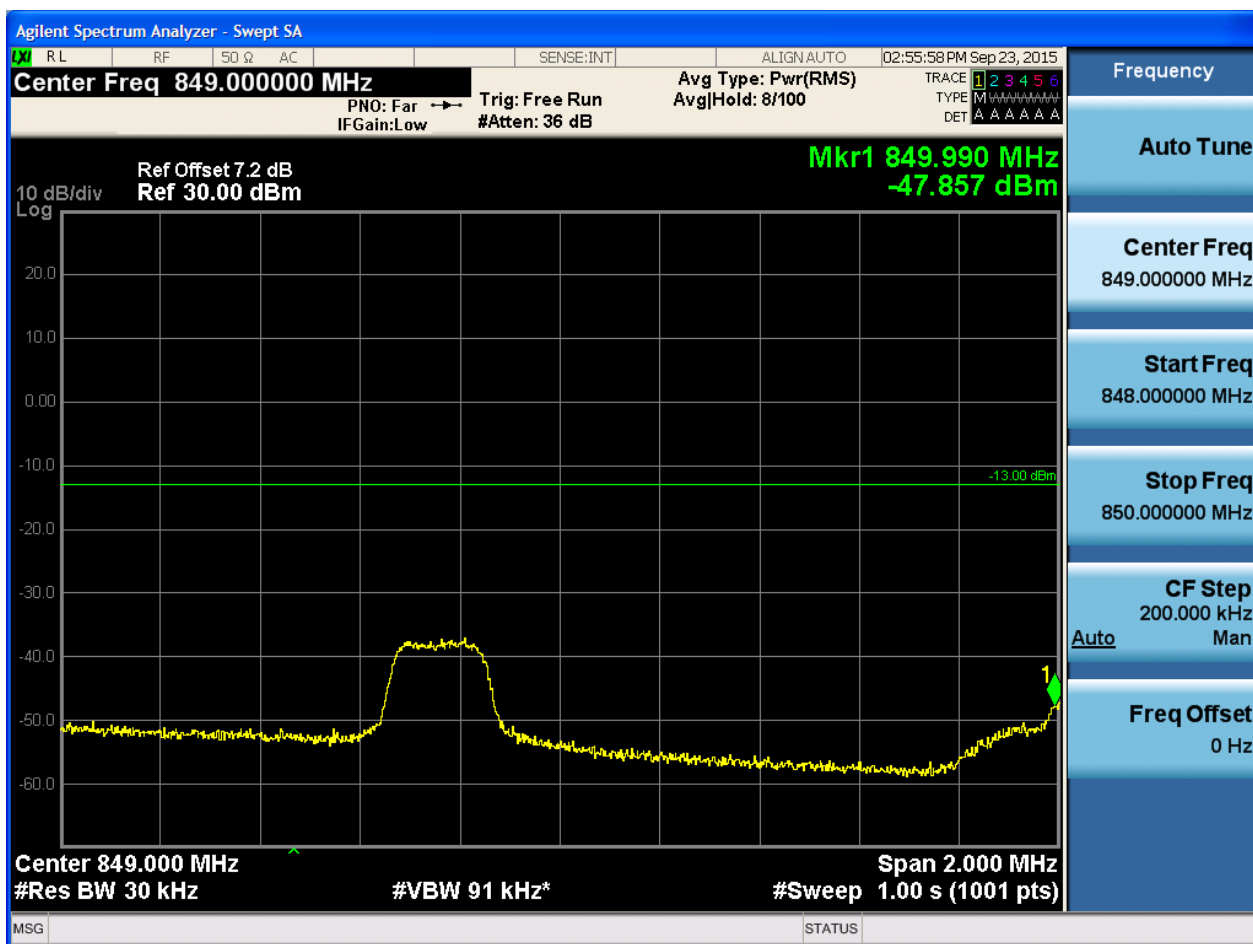
5.1.1.2.2.1.4 Test RB = RB15#0





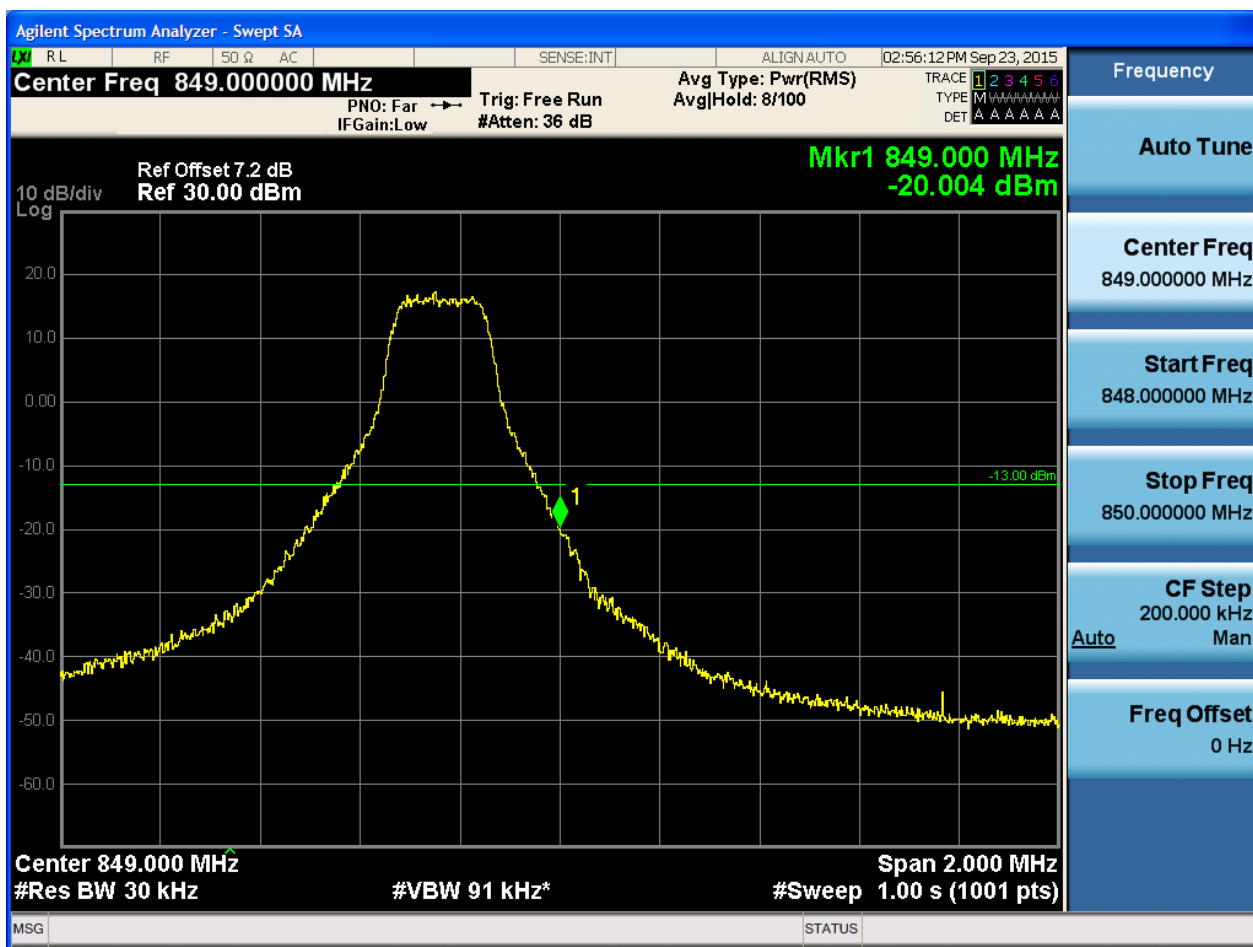
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0





5.1.1.2.2.2 Test RB = RB1#14





Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 7.2 dB
Ref 30.00 dBm

10 dB/div
Log

Center 849.000 MHz
#Res BW 30 kHz

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq 849.000000 MHz

Start Freq 848.000000 MHz

Stop Freq 850.000000 MHz

CF Step 200.000 kHz
Auto

Freq Offset 0 Hz

Mkr1 849.010 MHz
-34.859 dBm

-13.00 dBm

1

Alignment Completed

STATUS



Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 7.2 dB
Ref 30.00 dBm

10 dB/div
Log

Mkr1 849.000 MHz
-30.010 dBm

Center 849.000 MHz
#Res BW 30 kHz

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Auto Tune

Center Freq
849.000000 MHz

Start Freq
848.000000 MHz

Stop Freq
850.000000 MHz

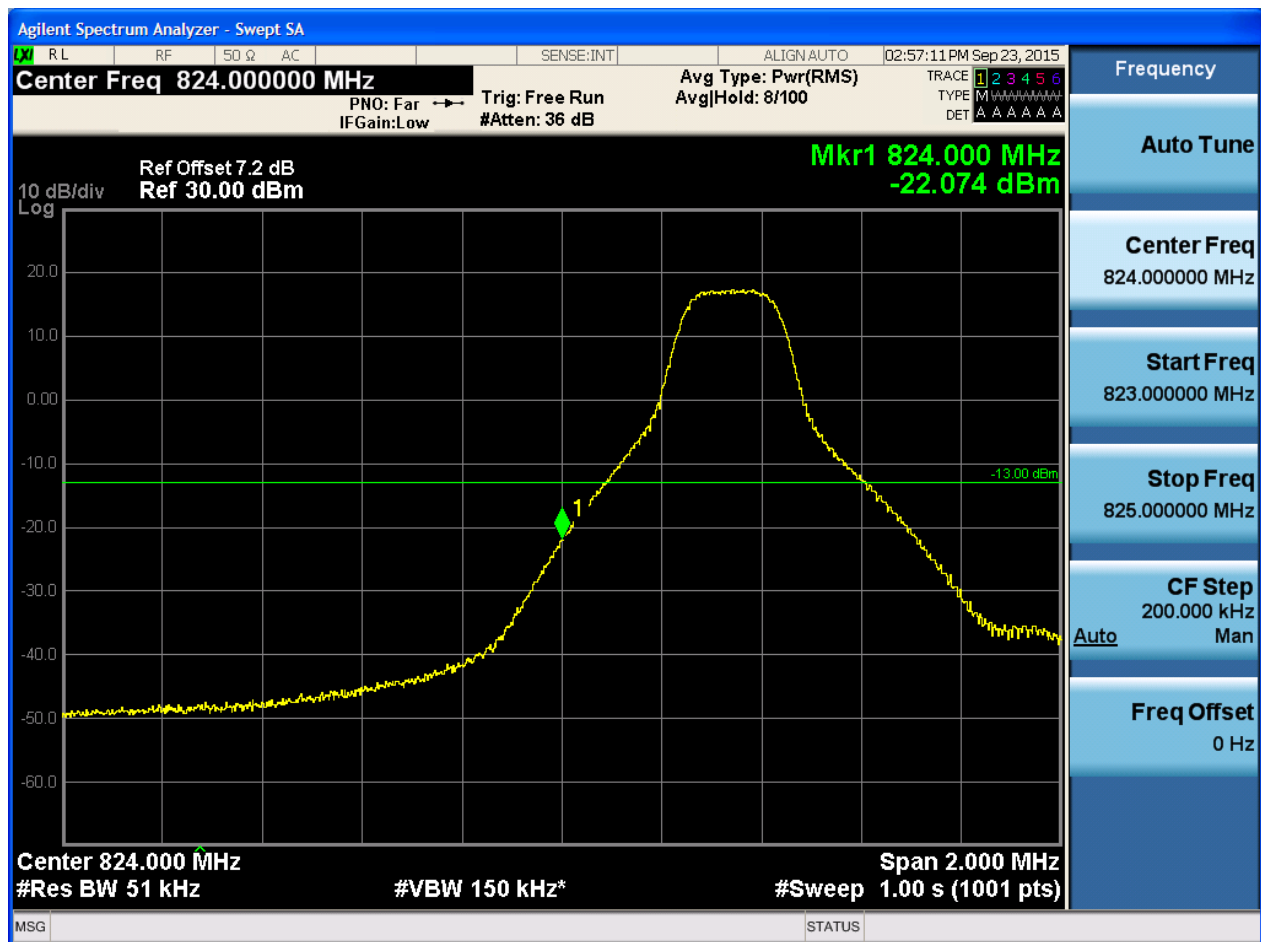
CF Step
200.000 kHz
Man

Freq Offset
0 Hz

5.1.1.2.3 Test Bandwidth = 5

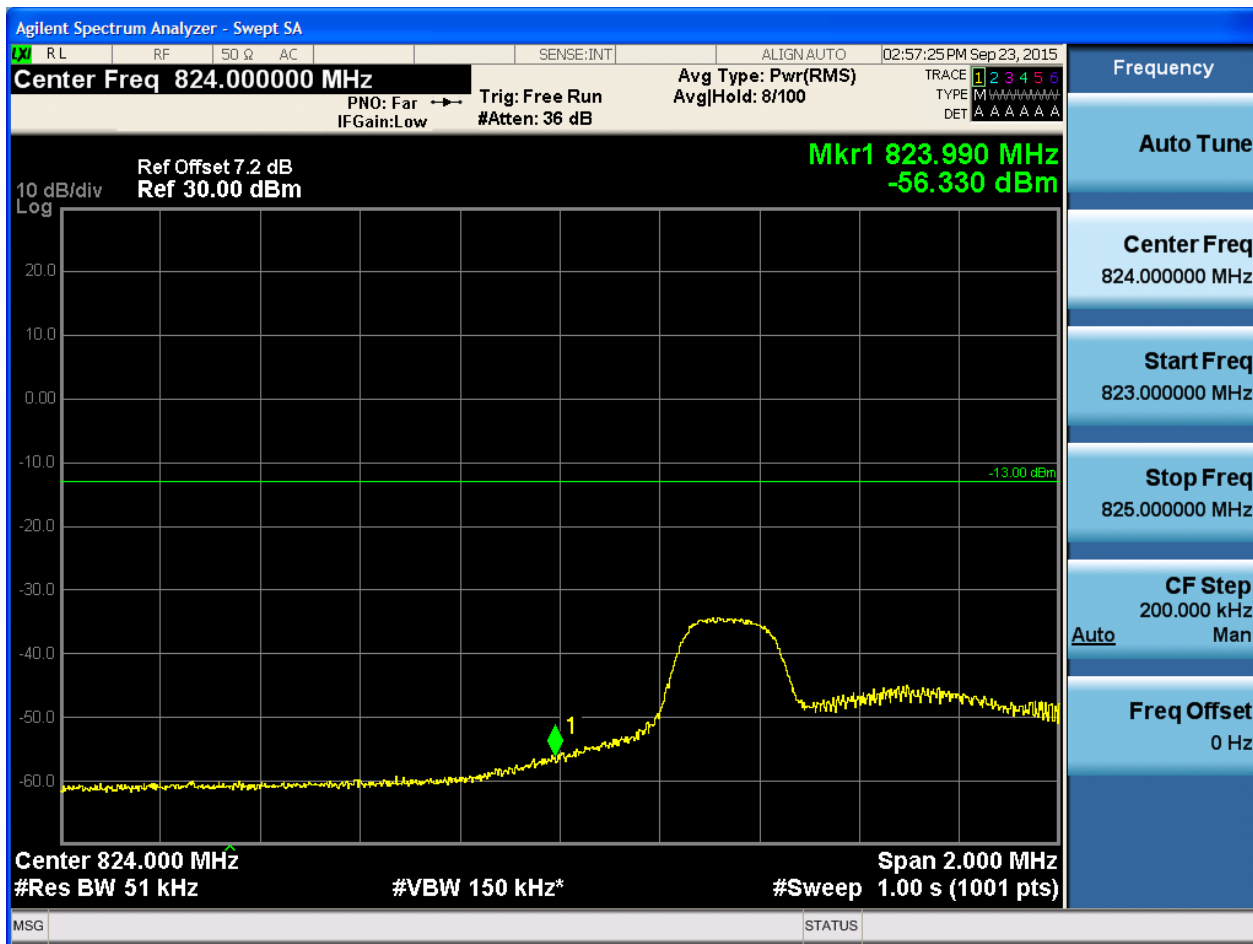
5.1.1.2.3.1 Test Channel = LCH

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





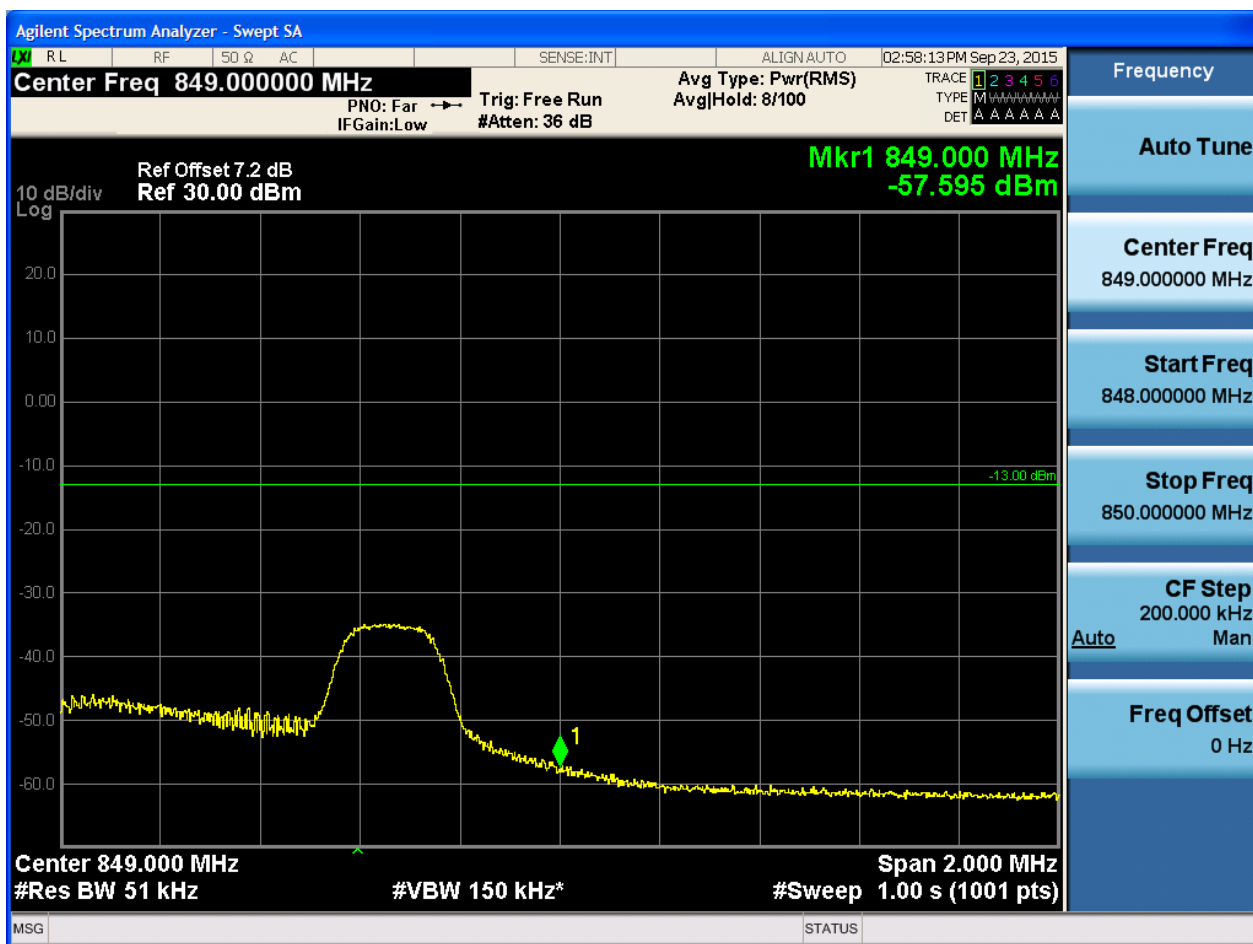
5.1.1.2.3.1.4 Test RB = RB25#0





5.1.1.2.3.2 Test Channel = HCH

5.1.1.2.3.2.1 Test RB = RB1#0





Agilent Spectrum Analyzer - Swept SA

Center Freq 849.000000 MHz

Ref Offset 7.2 dB
Ref 30.00 dBm

10 dB/div
Log

Trig: Free Run
#Atten: 36 dB

Avg Type: Pwr(RMS)
Avg|Hold: 8/100

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET A A A A A A A

Mkr1 849.000 MHz
-23.485 dBm

-13.00 dBm

1

Center 849.000 MHz
#Res BW 51 kHz

#VBW 150 kHz*

Span 2.000 MHz
#Sweep 1.00 s (1001 pts)

Frequency

Auto Tune

Center Freq
849.000000 MHz

Start Freq
848.000000 MHz

Stop Freq
850.000000 MHz

CF Step
200.000 kHz
Man

Auto

Freq Offset
0 Hz

MSG

STATUS



5.1.1.2.3.2.3 Test RB = RB12#6





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN:AUTO 02:58:55 PM Sep 23, 2015

Center Freq 849.000000 MHz Avg Type: Pwr(RMS) Trace 1 2 3 4 5 6
PNO: Far Trig: Free Run AvgHold: 8/100 TYPE M W W W W W W W
IFGain:Low #Atten: 36 dB DET A A A A A A

Ref Offset 7.2 dB Mkr1 849.000 MHz
Ref 30.00 dBm -29.831 dBm

10 dB/div Log

-13.00 dBm

Center 849.000 MHz Span 2.000 MHz
#Res BW 51 kHz #VBW 150 kHz* #Sweep 1.00 s (1001 pts)

MSG STATUS

Frequency

Auto Tune

Center Freq
849.000000 MHz

Start Freq
848.000000 MHz

Stop Freq
850.000000 MHz

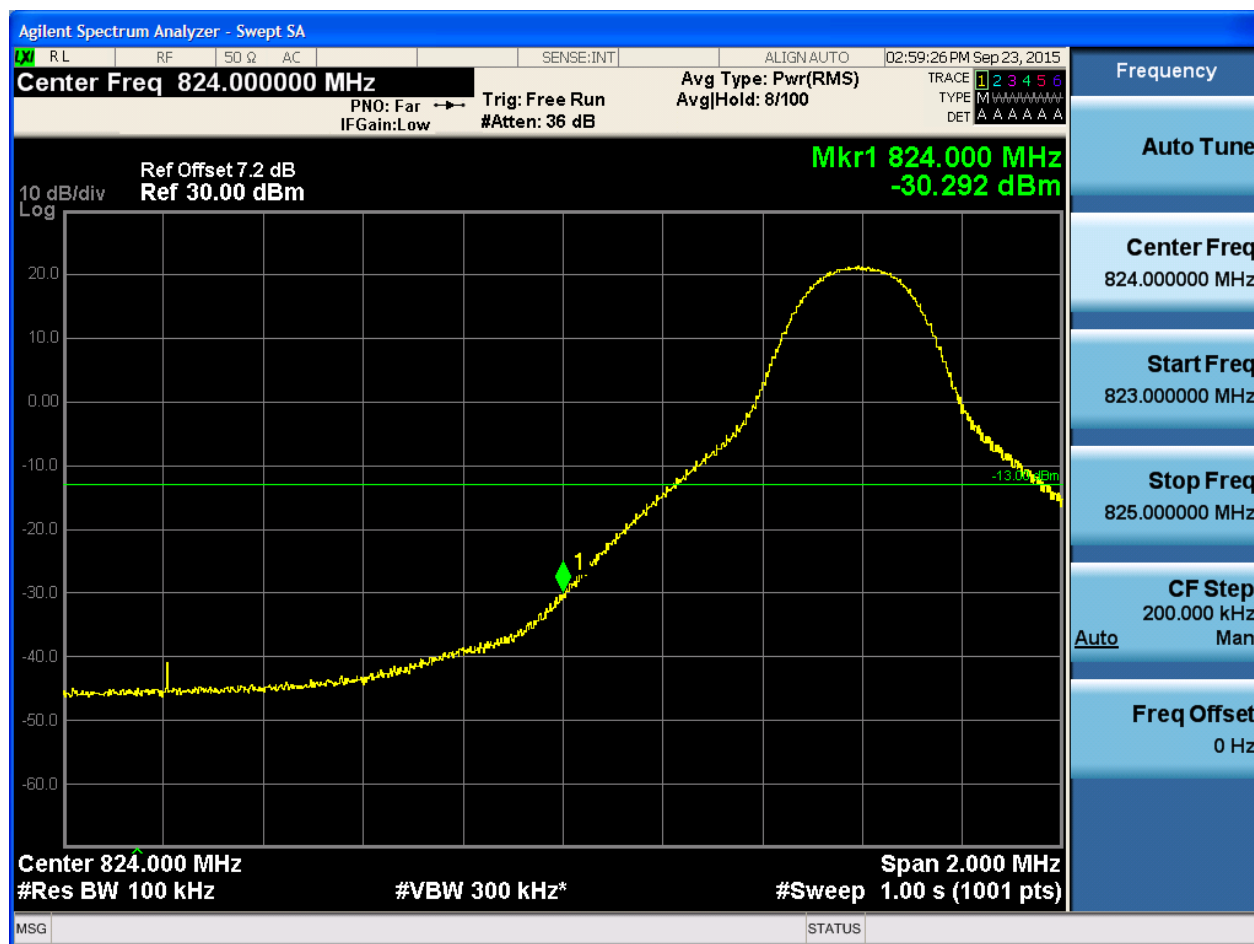
CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

5.1.1.2.4 Test Bandwidth = 10

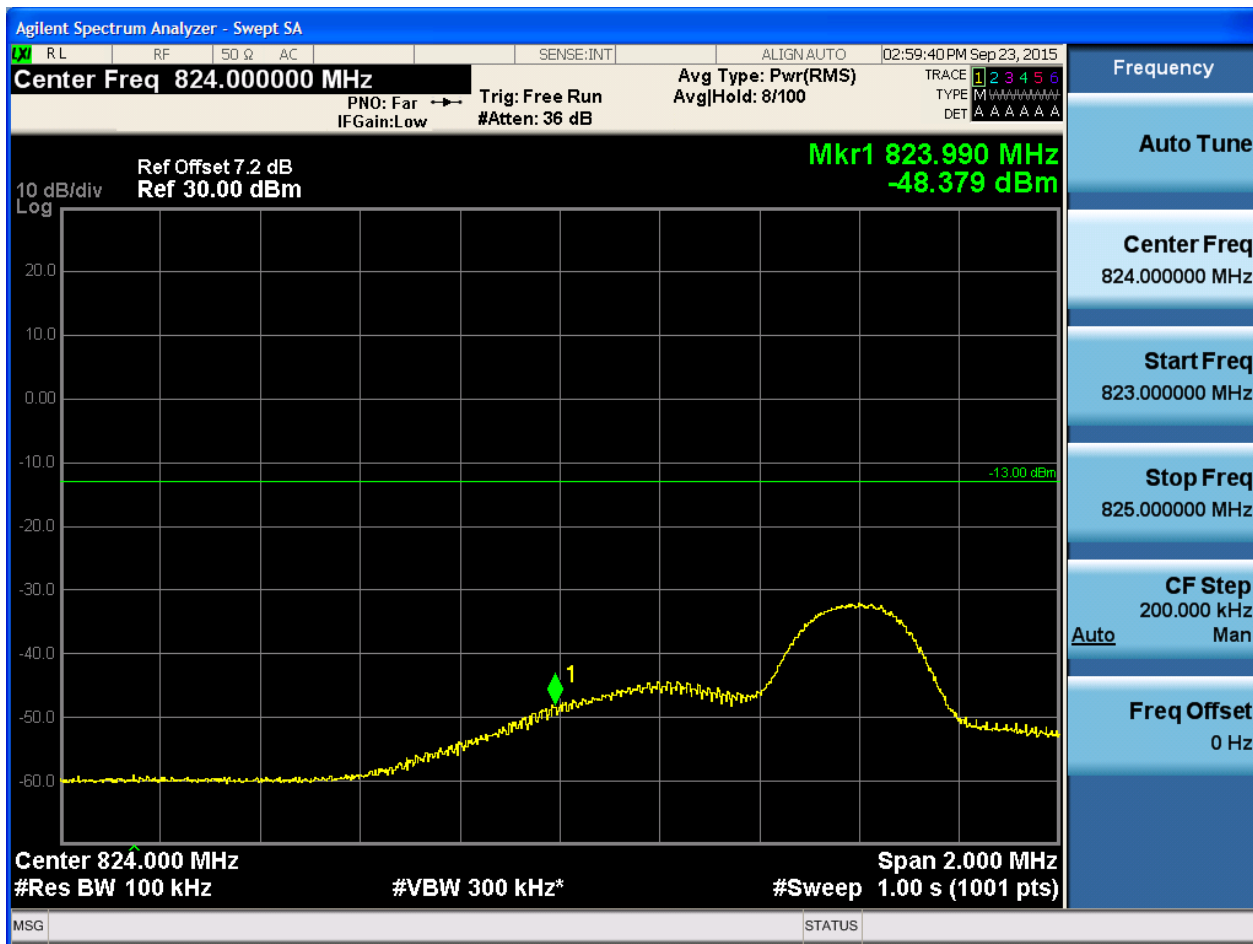
5.1.1.2.4.1 Test Channel = LCH

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



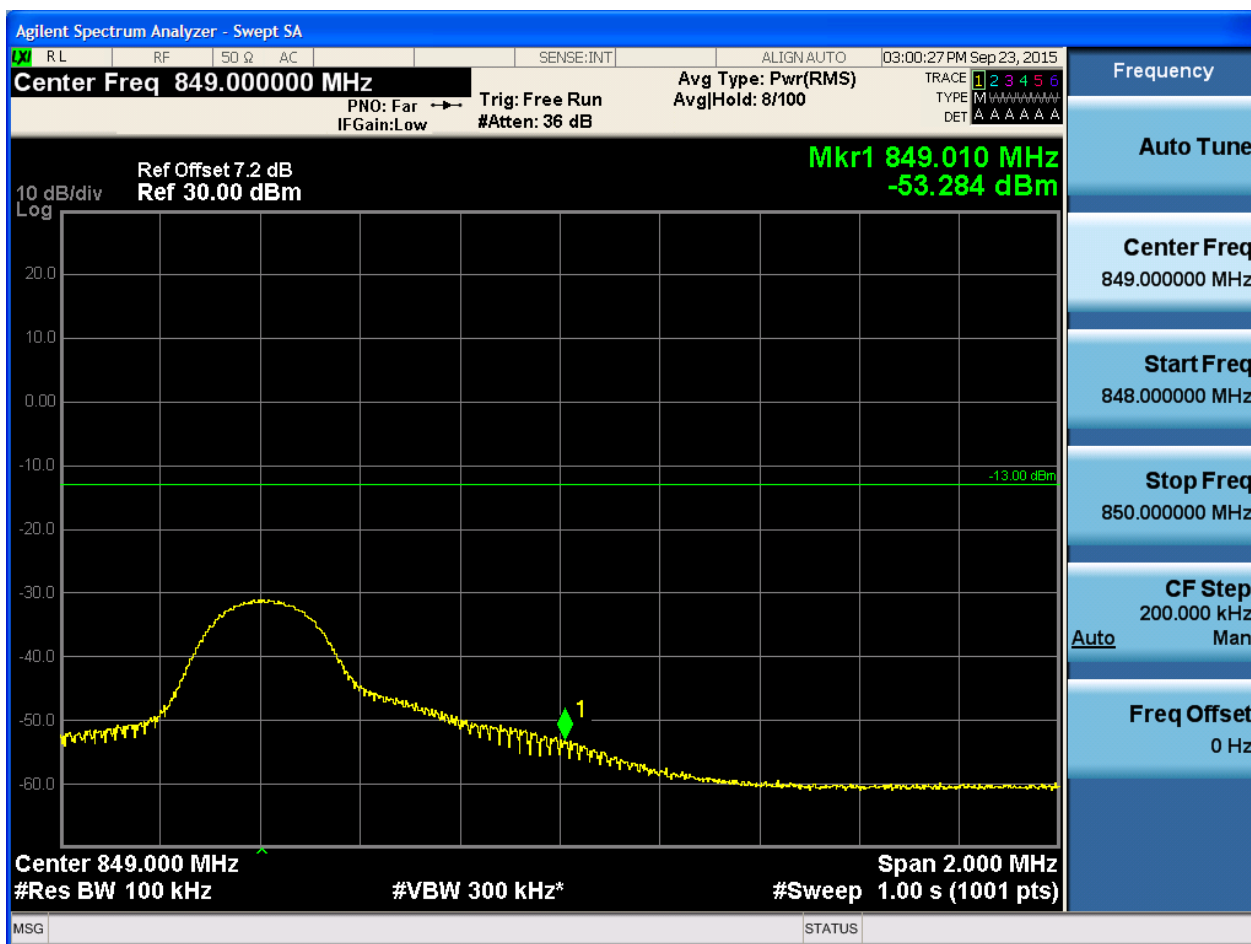


5.1.1.2.4.1.4 Test RB = RB50#0



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

