



Appendix for test report

APPENDIX FOR TEST REPORT

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1Appendix_A: Effective (Isotropic) Radiated Power Output Data

Part I - Test Results

Test Band	Test Mode	Test Channel	Conducted Power [dBm]	ERP [dBm]	Limit [dBm]	Verdict
GSM850	GSM/TM1	LCH	31.74	28.39	38.5	PASS
		MCH	31.52	28.4	38.5	PASS
		HCH	31.35	28.24	38.5	PASS
	GSM/TM2	LCH	27.12	23.79	38.5	PASS
		MCH	27.17	24.08	38.5	PASS
		HCH	27.13	23.78	38.5	PASS
Test Band	Test Mode	Test Channel	Conducted Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
GSM1900	GSM/TM1	LCH	24.92	25.52	33	PASS
		MCH	24.87	25.86	33	PASS
		HCH	24.82	25.43	33	PASS
	GSM/TM2	LCH	24.78	25.37	33	PASS
		MCH	24.62	25.25	33	PASS
		HCH	24.66	25.19	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
BAND7	LTE/TM1	5	LCH	RB1#0	15.65	16.97	33	PASS
				RB1#13	15.77	17.06	33	PASS
				RB1#24	15.72	16.98	33	PASS
				RB12#0	14.67	15.67	33	PASS
				RB12#6	14.65	16.04	33	PASS
				RB12#13	14.75	15.71	33	PASS
				RB25#0	14.6	15.65	33	PASS
			MCH	RB1#0	15.76	17.13	33	PASS
				RB1#13	15.66	16.72	33	PASS
				RB1#24	15.66	16.65	33	PASS
				RB12#0	14.73	15.74	33	PASS
				RB12#6	14.68	16.25	33	PASS
				RB12#13	14.67	15.97	33	PASS
				RB25#0	14.69	15.73	33	PASS
			HCH	RB1#0	15.9	17.13	33	PASS
				RB1#13	15.78	16.65	33	PASS
				RB1#24	15.78	16.71	33	PASS
				RB12#0	14.74	15.74	33	PASS
				RB12#6	14.78	15.71	33	PASS
				RB12#13	14.77	15.82	33	PASS
				RB25#0	14.7	16.02	33	PASS
		10	LCH	RB1#0	15.67	16.97	33	PASS
				RB1#25	15.66	17.05	33	PASS
				RB1#49	15.57	16.62	33	PASS
				RB25#0	14.57	15.55	33	PASS
				RB25#13	14.69	16.04	33	PASS
				RB25#25	14.58	15.83	33	PASS
				RB50#0	14.67	15.62	33	PASS
			MCH	RB1#0	15.76	17.15	33	PASS
				RB1#25	15.64	16.62	33	PASS
				RB1#49	15.74	16.79	33	PASS
				RB25#0	14.71	16.05	33	PASS
				RB25#13	14.67	15.65	33	PASS
				RB25#25	14.71	16.02	33	PASS
				RB50#0	14.64	15.89	33	PASS
			HCH	RB1#0	15.6	16.62	33	PASS
				RB1#25	15.77	16.71	33	PASS

				RB1#49	15.72	16.78	33	PASS
				RB25#0	14.49	15.83	33	PASS
				RB25#13	14.76	15.79	33	PASS
				RB25#25	14.74	15.72	33	PASS
				RB50#0	14.64	15.98	33	PASS
		15	LCH	RB1#0	15.71	16.77	33	PASS
				RB1#38	15.55	16.58	33	PASS
				RB1#74	15.68	16.96	33	PASS
				RB36#0	14.62	15.67	33	PASS
				RB36#18	14.53	15.82	33	PASS
				RB36#39	14.56	15.51	33	PASS
				RB75#0	14.56	15.59	33	PASS
			MCH	RB1#0	15.63	16.73	33	PASS
				RB1#38	15.63	16.65	33	PASS
				RB1#74	15.67	16.92	33	PASS
				RB36#0	14.57	15.85	33	PASS
				RB36#18	14.64	15.98	33	PASS
				RB36#39	14.64	15.93	33	PASS
				RB75#0	14.61	15.69	33	PASS
			HCH	RB1#0	15.73	16.78	33	PASS
				RB1#38	15.65	16.88	33	PASS
				RB1#74	15.75	16.72	33	PASS
				RB36#0	14.63	15.99	33	PASS
				RB36#18	14.52	15.73	33	PASS
				RB36#39	14.72	16.12	33	PASS
				RB75#0	14.6	15.81	33	PASS
		20	LCH	RB1#0	15.79	17.12	33	PASS
				RB1#50	15.73	16.75	33	PASS
				RB1#99	15.88	17.28	33	PASS
				RB50#0	14.56	15.48	33	PASS
				RB50#25	14.56	15.84	33	PASS
				RB50#50	14.65	15.67	33	PASS
				RB100#0	14.57	15.92	33	PASS
			MCH	RB1#0	15.71	16.75	33	PASS
				RB1#50	15.83	16.88	33	PASS
				RB1#99	15.76	17.02	33	PASS
				RB50#0	14.67	15.91	33	PASS
				RB50#25	14.61	15.86	33	PASS
				RB50#50	14.6	15.62	33	PASS
				RB100#0	14.6	15.88	33	PASS
			HCH	RB1#0	15.75	17.02	33	PASS

	LTE/TM2			RB1#50	15.64	16.68	33	PASS
				RB1#99	15.75	16.82	33	PASS
				RB50#0	14.55	15.79	33	PASS
				RB50#25	14.58	15.91	33	PASS
				RB50#50	14.62	15.7	33	PASS
				RB100#0	14.59	15.52	33	PASS
		5	LCH	RB1#0	14.56	15.56	33	PASS
				RB1#13	14.55	15.72	33	PASS
				RB1#24	14.61	15.88	33	PASS
				RB12#0	13.84	14.84	33	PASS
				RB12#6	13.79	14.7	33	PASS
				RB12#13	13.84	15.19	33	PASS
				RB25#0	13.7	14.73	33	PASS
			MCH	RB1#0	14.74	16.12	33	PASS
				RB1#13	14.46	15.77	33	PASS
				RB1#24	14.66	16.05	33	PASS
				RB12#0	13.82	15.19	33	PASS
				RB12#6	13.81	14.83	33	PASS
				RB12#13	13.79	14.79	33	PASS
				RB25#0	13.66	15.05	33	PASS
			HCH	RB1#0	14.65	15.69	33	PASS
				RB1#13	14.58	15.62	33	PASS
				RB1#24	14.56	15.9	33	PASS
				RB12#0	13.75	14.76	33	PASS
				RB12#6	13.84	14.89	33	PASS
				RB12#13	13.79	14.82	33	PASS
				RB25#0	13.75	15.01	33	PASS
		10	LCH	RB1#0	14.94	15.99	33	PASS
				RB1#25	14.94	15.94	33	PASS
				RB1#49	14.85	15.82	33	PASS
				RB25#0	13.61	14.68	33	PASS
				RB25#13	13.58	14.93	33	PASS
				RB25#25	13.78	15.14	33	PASS
				RB50#0	13.75	15.12	33	PASS
			MCH	RB1#0	14.95	15.92	33	PASS
				RB1#25	14.72	15.78	33	PASS
				RB1#49	14.91	16.22	33	PASS
				RB25#0	13.67	14.91	33	PASS
				RB25#13	13.53	14.83	33	PASS
				RB25#25	13.68	14.69	33	PASS
				RB50#0	13.65	14.9	33	PASS

			HCH	RB1#0	14.42	15.42	33	PASS
				RB1#25	14.57	15.8	33	PASS
				RB1#49	14.54	15.76	33	PASS
				RB25#0	13.59	14.59	33	PASS
				RB25#13	13.77	14.82	33	PASS
				RB25#25	13.73	14.7	33	PASS
				RB50#0	13.69	14.63	33	PASS
		15	LCH	RB1#0	14.86	16.15	33	PASS
				RB1#38	14.86	16.08	33	PASS
				RB1#74	14.91	16.18	33	PASS
				RB36#0	13.76	14.79	33	PASS
				RB36#18	13.72	15.92	33	PASS
				RB36#39	13.65	14.96	33	PASS
				RB75#0	13.65	14.68	33	PASS
			MCH	RB1#0	14.91	16.02	33	PASS
				RB1#38	14.86	15.89	33	PASS
				RB1#74	14.87	16.14	33	PASS
				RB36#0	13.73	14.78	33	PASS
				RB36#18	13.75	15.08	33	PASS
				RB36#39	13.71	15.02	33	PASS
				RB75#0	13.68	14.71	33	PASS
			HCH	RB1#0	14.64	15.92	33	PASS
				RB1#38	14.47	15.68	33	PASS
				RB1#74	14.69	15.94	33	PASS
				RB36#0	13.65	14.69	33	PASS
				RB36#18	13.55	14.52	33	PASS
				RB36#39	13.72	14.95	33	PASS
				RB75#0	13.65	14.91	33	PASS
		20	LCH	RB1#0	14.93	15.99	33	PASS
				RB1#50	14.79	15.86	33	PASS
				RB1#99	15	16.39	33	PASS
				RB50#0	13.6	14.62	33	PASS
				RB50#25	13.6	14.71	33	PASS
				RB50#50	13.69	14.52	33	PASS
				RB100#0	13.71	14.66	33	PASS
			MCH	RB1#0	14.87	16.25	33	PASS
				RB1#50	14.89	16.11	33	PASS
				RB1#99	14.9	15.92	33	PASS
				RB50#0	13.78	15.12	33	PASS
				RB50#25	13.7	15.06	33	PASS
				RB50#50	13.63	15.01	33	PASS

				RB100#0	13.71	14.94	33	PASS
			HCH	RB1#0	14.99	16.31	33	PASS
				RB1#50	14.81	16.07	33	PASS
				RB1#99	14.95	15.91	33	PASS
				RB50#0	13.7	14.78	33	PASS
				RB50#25	13.63	14.85	33	PASS
				RB50#50	13.78	15.04	33	PASS
				RB100#0	13.73	14.76	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: RBW > emission bandwidth, VBW > 3 x RBW.

Detector: RMS

2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
GSM850	GSM/TM1	LCH	0.16	13	PASS
		MCH	0.12	13	PASS
		HCH	0.13	13	PASS
	GSM/TM2	LCH	3.12	13	PASS
		MCH	3.14	13	PASS
		HCH	3.18	13	PASS
GSM1900	GSM/TM1	LCH	0.15	13	PASS
		MCH	0.16	13	PASS
		HCH	0.18	13	PASS
	GSM/TM2	LCH	3.11	13	PASS
		MCH	3.19	13	PASS
		HCH	3.11	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND7	LTE/TM1	5	LCH	RB1#0	5.63	13	PASS
				RB1#13	5.41	13	PASS
				RB1#24	5.61	13	PASS
				RB12#0	7.33	13	PASS
				RB12#6	7.23	13	PASS
				RB12#13	7.42	13	PASS
				RB25#0	6.87	13	PASS
			MCH	RB1#0	5.66	13	PASS
				RB1#13	5.43	13	PASS
				RB1#24	5.62	13	PASS
				RB12#0	7.28	13	PASS
				RB12#6	7.12	13	PASS
				RB12#13	7.38	13	PASS
				RB25#0	7.25	13	PASS
			HCH	RB1#0	6.13	13	PASS
				RB1#13	6.09	13	PASS
				RB1#24	6.14	13	PASS
				RB12#0	7.78	13	PASS
				RB12#6	7.91	13	PASS
				RB12#13	8	13	PASS
				RB25#0	6.88	13	PASS
		10	LCH	RB1#0	5.82	13	PASS
				RB1#25	5.72	13	PASS
				RB1#49	5.85	13	PASS
				RB25#0	7.16	13	PASS
				RB25#13	7.5	13	PASS
				RB25#25	7.19	13	PASS
				RB50#0	7.2	13	PASS
			MCH	RB1#0	5.83	13	PASS
				RB1#25	5.73	13	PASS
				RB1#49	5.78	13	PASS
				RB25#0	7.22	13	PASS
				RB25#13	7.44	13	PASS
				RB25#25	7.13	13	PASS
				RB50#0	6.99	13	PASS
			HCH	RB1#0	5.59	13	PASS
				RB1#25	5.36	13	PASS
				RB1#49	5.57	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#0	7.65	13	PASS
				RB25#13	7.75	13	PASS
				RB25#25	7.59	13	PASS
				RB50#0	7.35	13	PASS
		15	LCH	RB1#0	5.82	13	PASS
				RB1#38	5.61	13	PASS
				RB1#74	5.85	13	PASS
				RB36#0	7.6	13	PASS
				RB36#18	7.67	13	PASS
				RB36#39	7.3	13	PASS
				RB75#0	7.81	13	PASS
			MCH	RB1#0	5.83	13	PASS
				RB1#38	5.61	13	PASS
				RB1#74	5.79	13	PASS
				RB36#0	7.57	13	PASS
				RB36#18	7.57	13	PASS
				RB36#39	7.28	13	PASS
				RB75#0	7.79	13	PASS
			HCH	RB1#0	6.07	13	PASS
				RB1#38	5.96	13	PASS
				RB1#74	6.07	13	PASS
				RB36#0	7.33	13	PASS
				RB36#18	7.54	13	PASS
				RB36#39	7.39	13	PASS
				RB75#0	7.06	13	PASS
		20	LCH	RB1#0	6.38	13	PASS
				RB1#50	6.4	13	PASS
				RB1#99	6.43	13	PASS
				RB50#0	7.76	13	PASS
				RB50#25	7.94	13	PASS
				RB50#50	7.75	13	PASS
				RB100#0	7.02	13	PASS
			MCH	RB1#0	6.5	13	PASS
				RB1#50	6.41	13	PASS
				RB1#99	6.42	13	PASS
				RB50#0	7.79	13	PASS
				RB50#25	7.89	13	PASS
				RB50#50	7.7	13	PASS
				RB100#0	7.06	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
	LTE/TM2		HCH	RB1#0	6.54	13	PASS
				RB1#50	6.42	13	PASS
				RB1#99	6.41	13	PASS
				RB50#0	7.62	13	PASS
				RB50#25	7.54	13	PASS
				RB50#50	7.65	13	PASS
				RB100#0	7.32	13	PASS
		5	LCH	RB1#0	6.91	13	PASS
				RB1#13	6.88	13	PASS
				RB1#24	6.88	13	PASS
				RB12#0	7.83	13	PASS
				RB12#6	8.24	13	PASS
				RB12#13	7.81	13	PASS
				RB25#0	8.28	13	PASS
			MCH	RB1#0	6.95	13	PASS
				RB1#13	6.83	13	PASS
				RB1#24	6.91	13	PASS
				RB12#0	7.79	13	PASS
				RB12#6	8.07	13	PASS
				RB12#13	7.76	13	PASS
				RB25#0	8.22	13	PASS
			HCH	RB1#0	6.01	13	PASS
				RB1#13	5.81	13	PASS
				RB1#24	5.97	13	PASS
				RB12#0	8.1	13	PASS
				RB12#6	8.25	13	PASS
				RB12#13	8.11	13	PASS
				RB25#0	8.97	13	PASS
		10	LCH	RB1#0	7.64	13	PASS
				RB1#25	7.59	13	PASS
				RB1#49	7.75	13	PASS
				RB25#0	8.98	13	PASS
				RB25#13	8.92	13	PASS
				RB25#25	9.03	13	PASS
				RB50#0	8.63	13	PASS
			MCH	RB1#0	7.7	13	PASS
				RB1#25	7.6	13	PASS
				RB1#49	7.74	13	PASS
				RB25#0	9	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#13	8.97	13	PASS
				RB25#25	8.96	13	PASS
				RB50#0	8.63	13	PASS
			HCH	RB1#0	6.9	13	PASS
				RB1#25	6.56	13	PASS
				RB1#49	6.83	13	PASS
				RB25#0	8.98	13	PASS
				RB25#13	9.18	13	PASS
				RB25#25	8.86	13	PASS
				RB50#0	7.93	13	PASS
		15	LCH	RB1#0	7.66	13	PASS
				RB1#38	7.56	13	PASS
				RB1#74	7.75	13	PASS
				RB36#0	9.05	13	PASS
				RB36#18	8.93	13	PASS
				RB36#39	8.94	13	PASS
				RB75#0	8.26	13	PASS
			MCH	RB1#0	7.79	13	PASS
				RB1#38	7.56	13	PASS
				RB1#74	7.75	13	PASS
				RB36#0	9.02	13	PASS
				RB36#18	8.87	13	PASS
				RB36#39	8.94	13	PASS
				RB75#0	8.18	13	PASS
			HCH	RB1#0	8.33	13	PASS
				RB1#38	8.4	13	PASS
				RB1#74	8.22	13	PASS
				RB36#0	8.52	13	PASS
				RB36#18	8.61	13	PASS
				RB36#39	8.74	13	PASS
				RB75#0	8.54	13	PASS
		20	LCH	RB1#0	5.76	13	PASS
				RB1#50	5.69	13	PASS
				RB1#99	5.7	13	PASS
				RB50#0	8.93	13	PASS
				RB50#25	9.08	13	PASS
				RB50#50	8.88	13	PASS
				RB100#0	8.2	13	PASS
			MCH	RB1#0	5.74	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#50	5.71	13	PASS
				RB1#99	5.69	13	PASS
				RB50#0	8.97	13	PASS
				RB50#25	9.13	13	PASS
				RB50#50	9.16	13	PASS
				RB100#0	8.65	13	PASS
			HCH	RB1#0	7.13	13	PASS
				RB1#50	7.05	13	PASS
				RB1#99	6.99	13	PASS
				RB50#0	8.46	13	PASS
				RB50#25	8.65	13	PASS
				RB50#50	8.74	13	PASS
				RB100#0	8.05	13	PASS

3Appendix_C: Modulation Characteristics

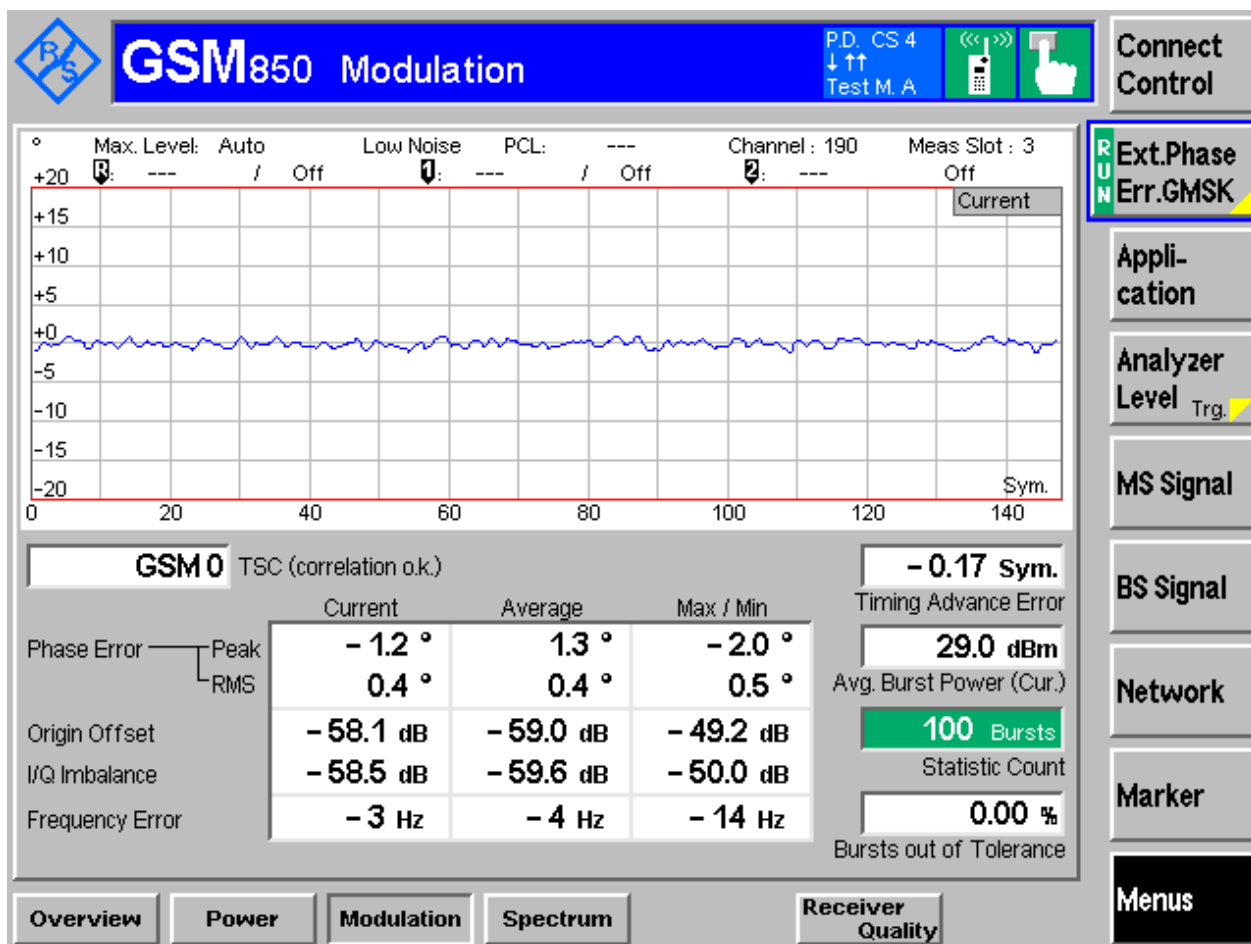
Part I - Test Plots

3.1 For GSM

3.1.1 Test Band = GSM850

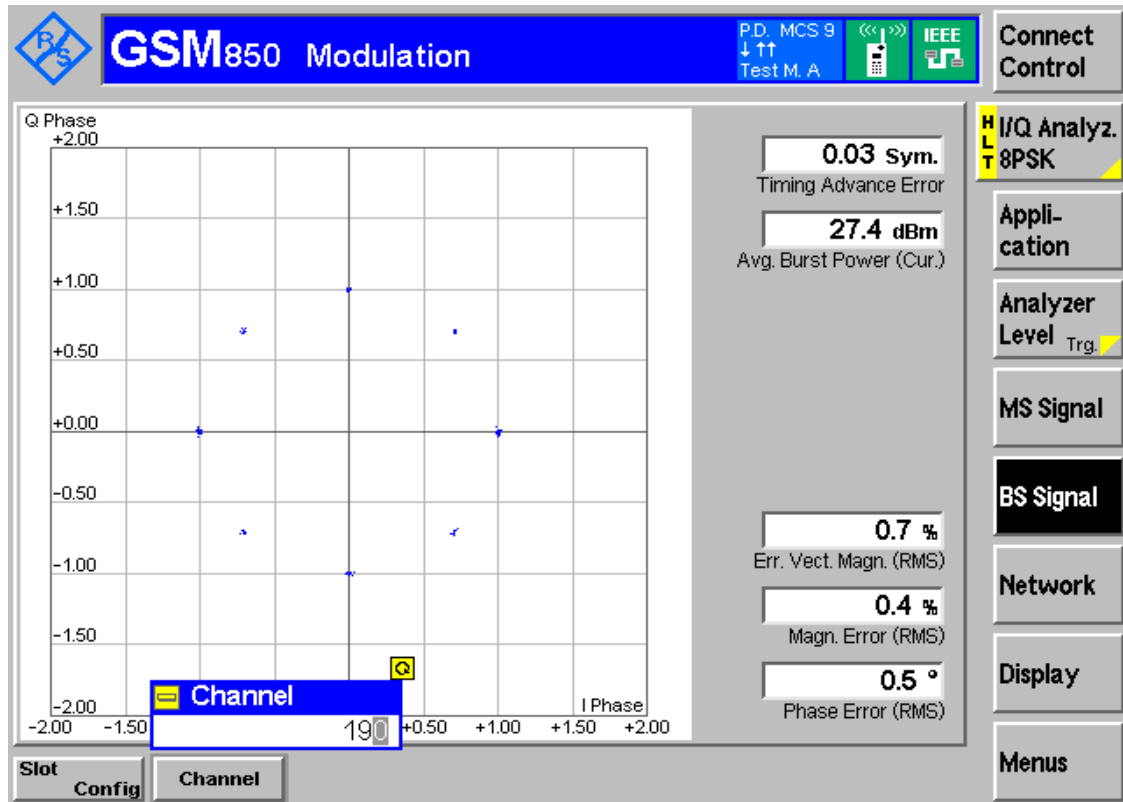
3.1.1.1 Test Mode = GSM/TM1

3.1.1.1.1 Test Channel = MCH



3.1.1.2 Test Mode = GSM/TM2

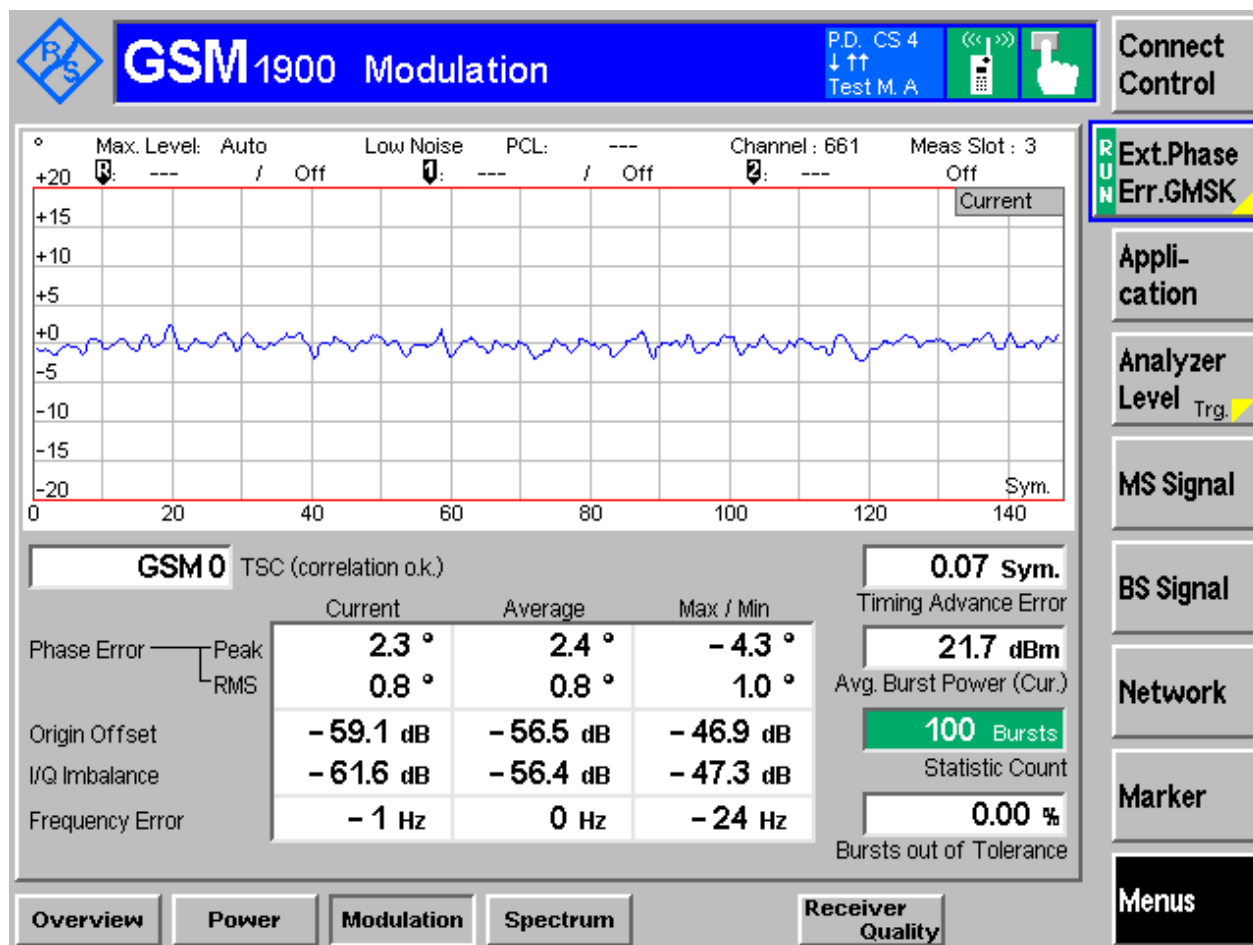
3.1.1.2.1 Test Channel = MCH



3.1.2 Test Band = GSM1900

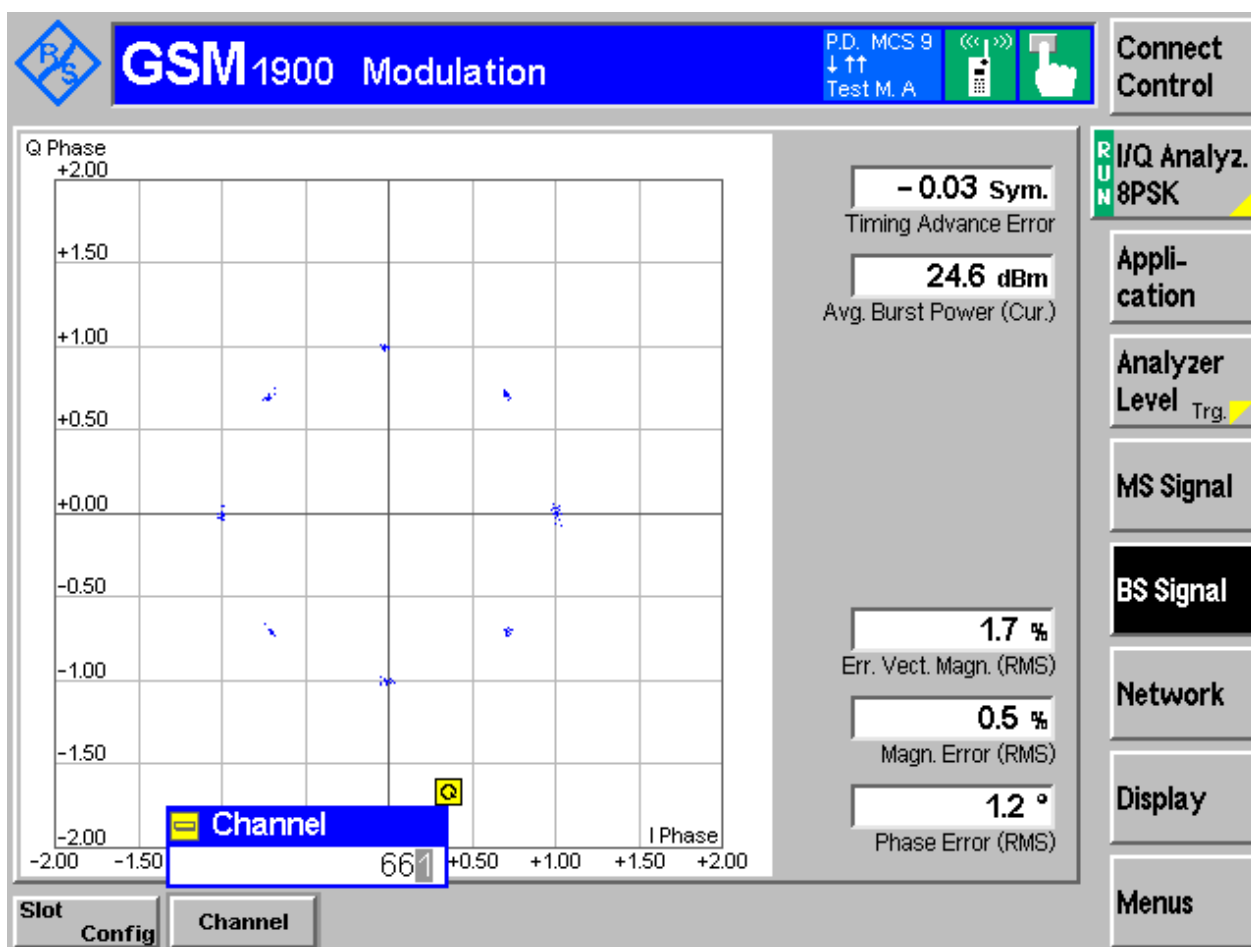
3.1.2.1 Test Mode = GSM/TM1

3.1.2.1.1 Test Channel = MCH



3.1.2.2 Test Mode = GSM/TM2

3.1.2.2.1 Test Channel = MCH



3.2 For LTE

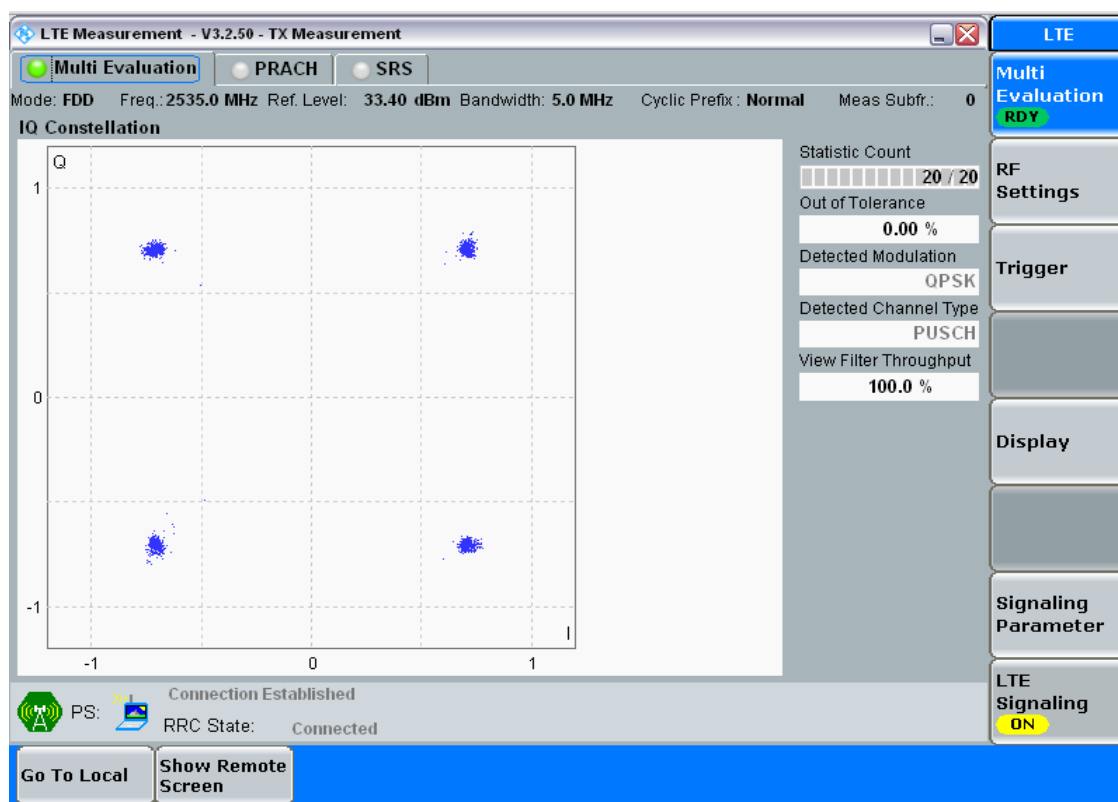
3.2.1 Test Band = BAND7

3.2.1.1 Test Mode = LTE/TM1

3.2.1.1.1 Test Bandwidth = 5

3.2.1.1.1.1 Test Channel = MCH

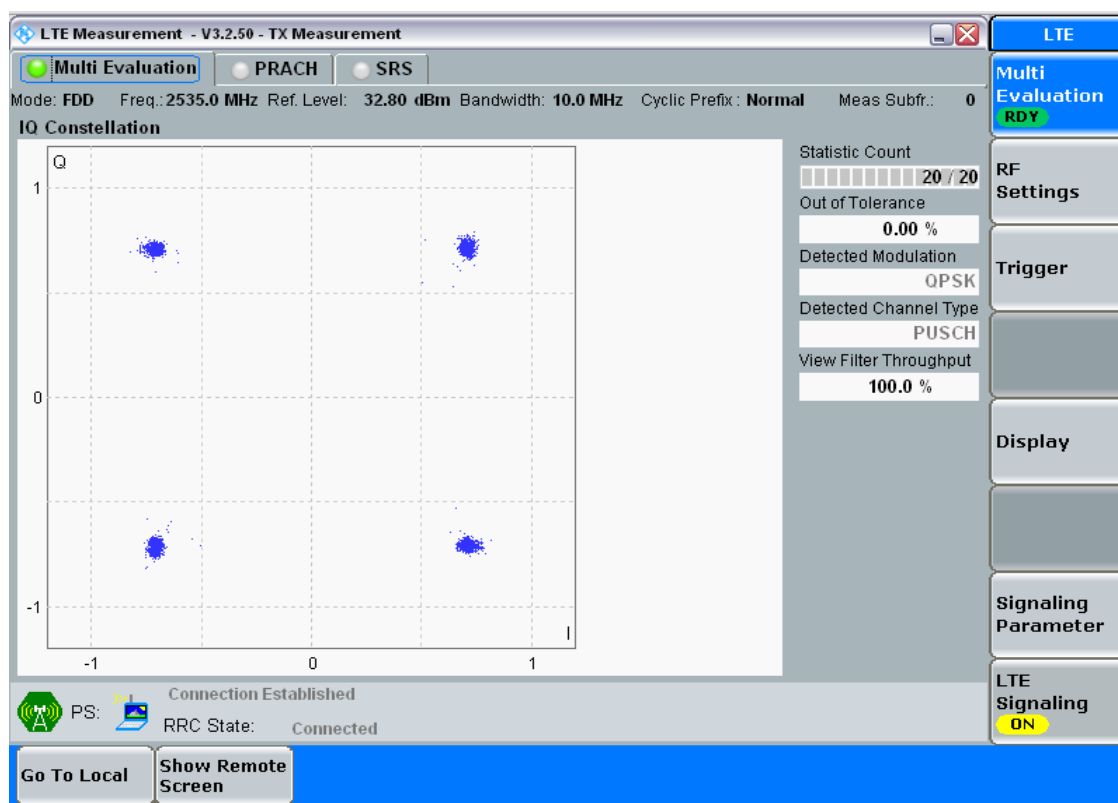
3.2.1.1.1.1.1 Test RB = RB25#0



3.2.1.1.2 Test Bandwidth = 10

3.2.1.1.2.1 Test Channel = MCH

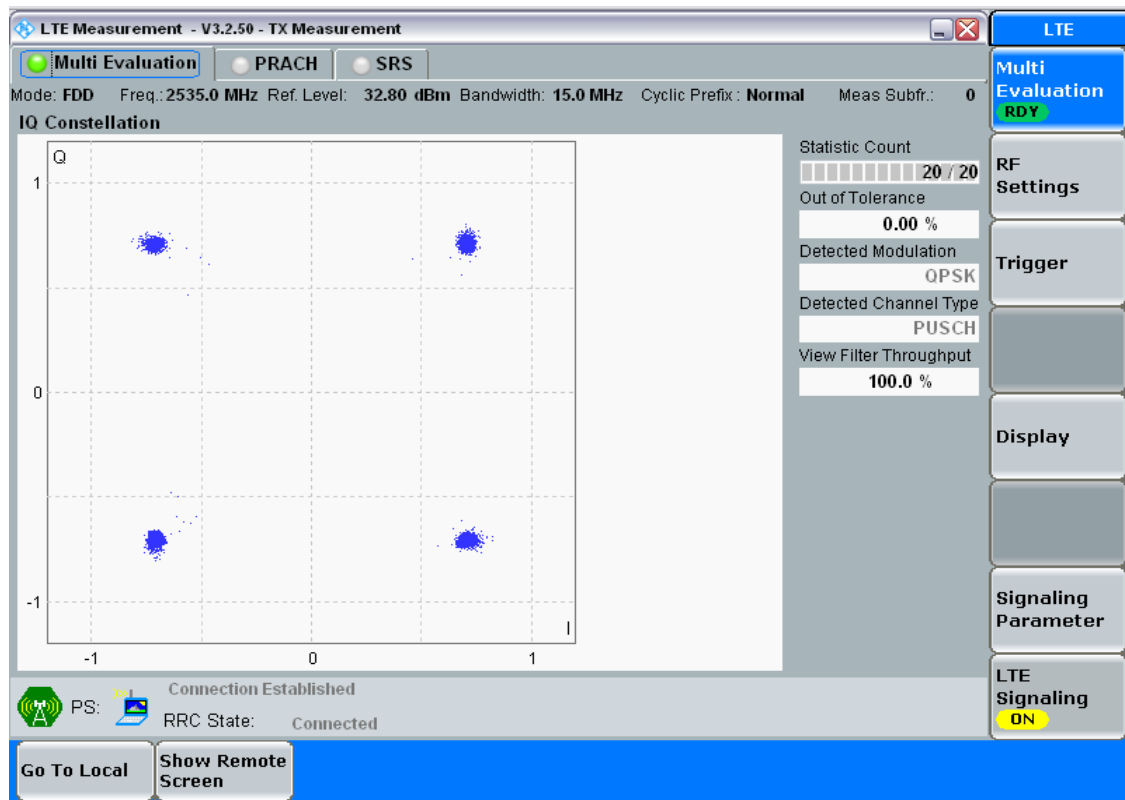
3.2.1.1.2.1.1 Test RB = RB50#0



3.2.1.1.3 Test Bandwidth = 15

3.2.1.1.3.1 Test Channel = MCH

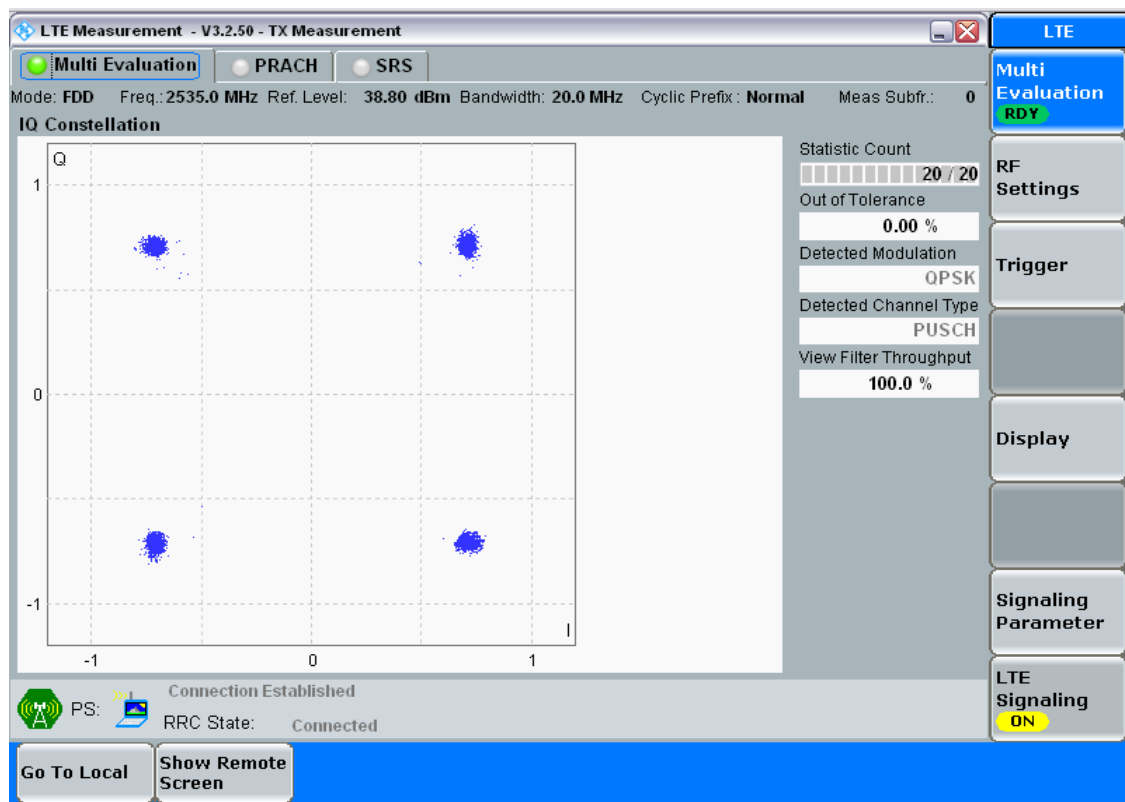
3.2.1.1.3.1.1 Test RB = RB75#0



3.2.1.1.4 Test Bandwidth = 20

3.2.1.1.4.1 Test Channel = MCH

3.2.1.1.4.1.1 Test RB = RB100#0

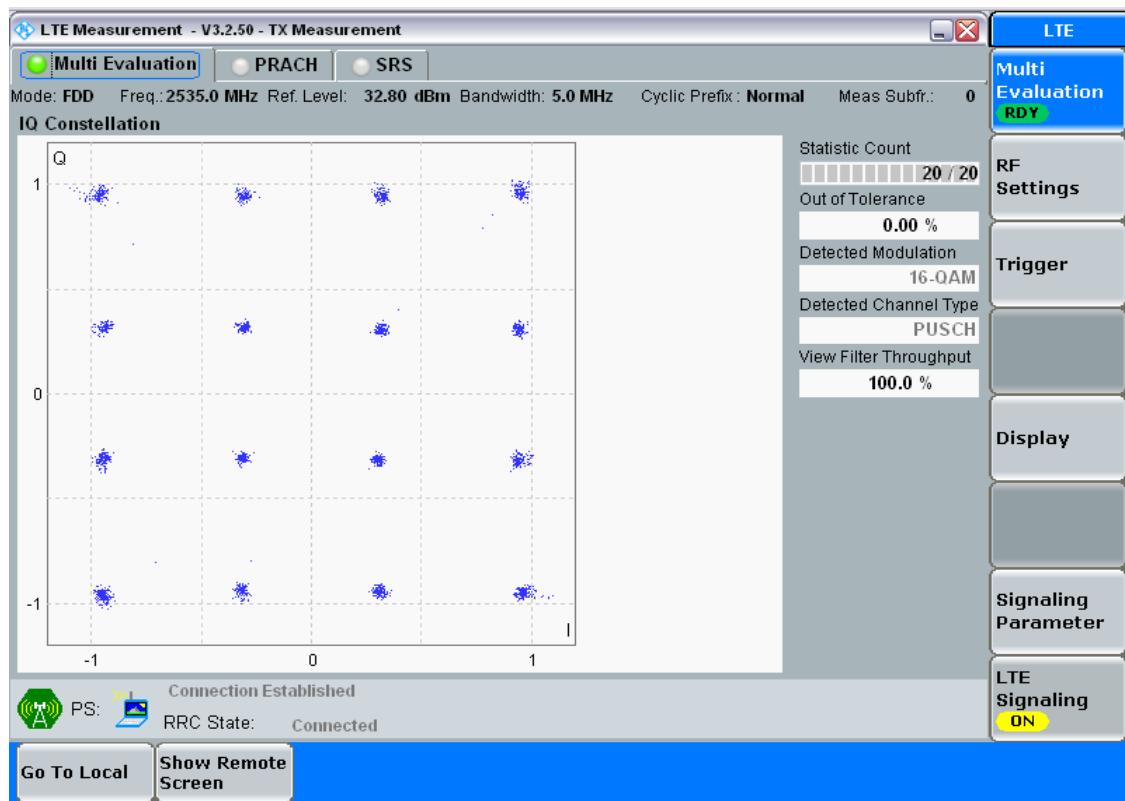


3.2.1.2 Test Mode = LTE/TM2

3.2.1.2.1 Test Bandwidth = 5

3.2.1.2.1.1 Test Channel = MCH

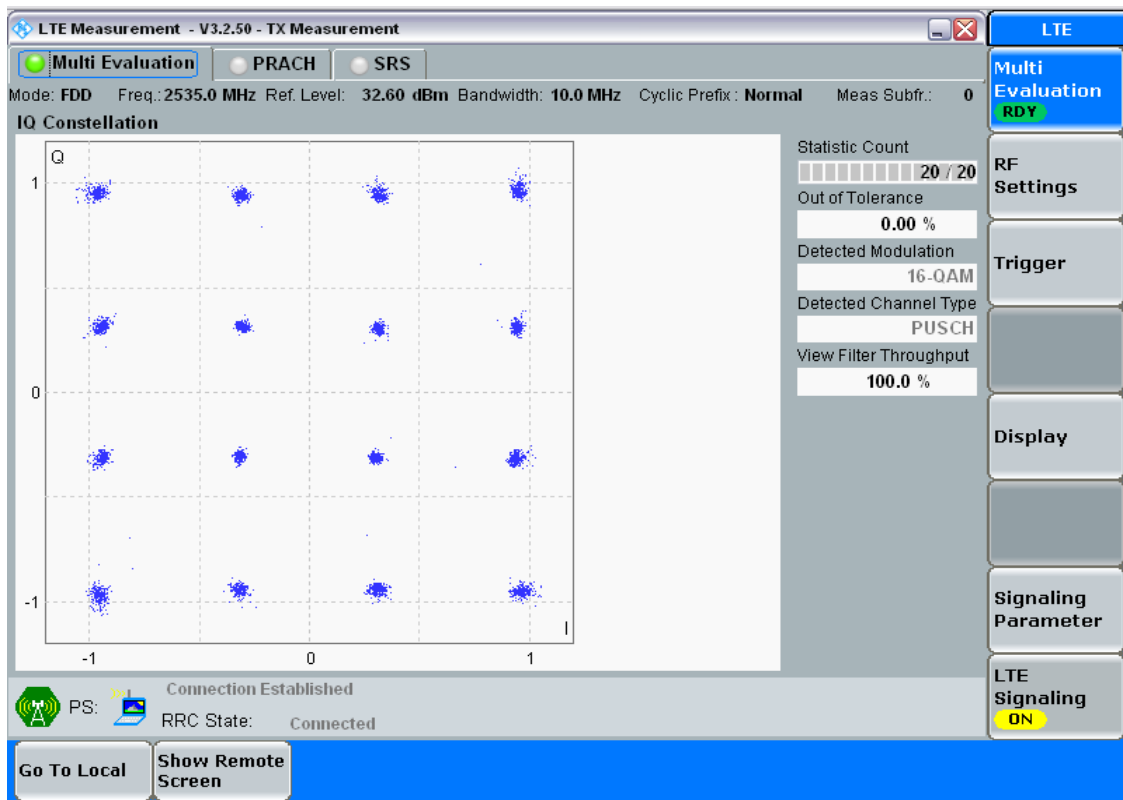
3.2.1.2.1.1.1 Test RB = RB25#0



3.2.1.2.2 Test Bandwidth = 10

3.2.1.2.2.1 Test Channel = MCH

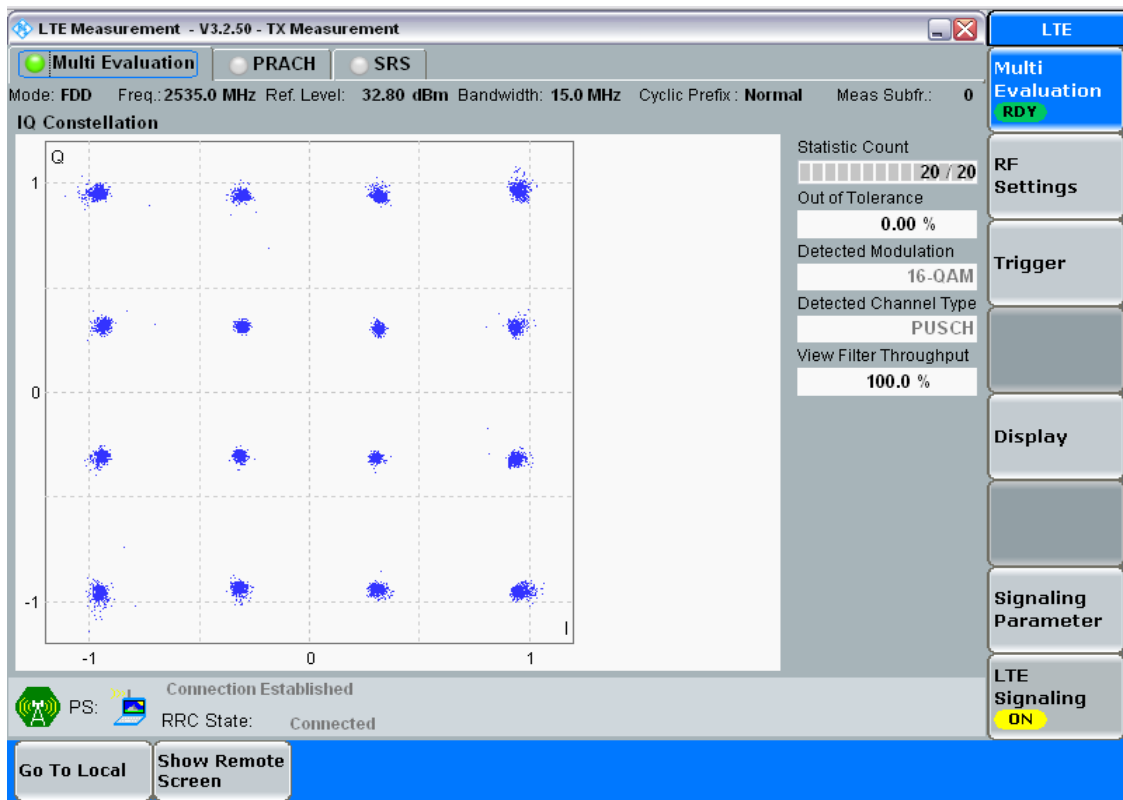
3.2.1.2.2.1.1 Test RB = RB50#0



3.2.1.2.3 Test Bandwidth = 15

3.2.1.2.3.1 Test Channel = MCH

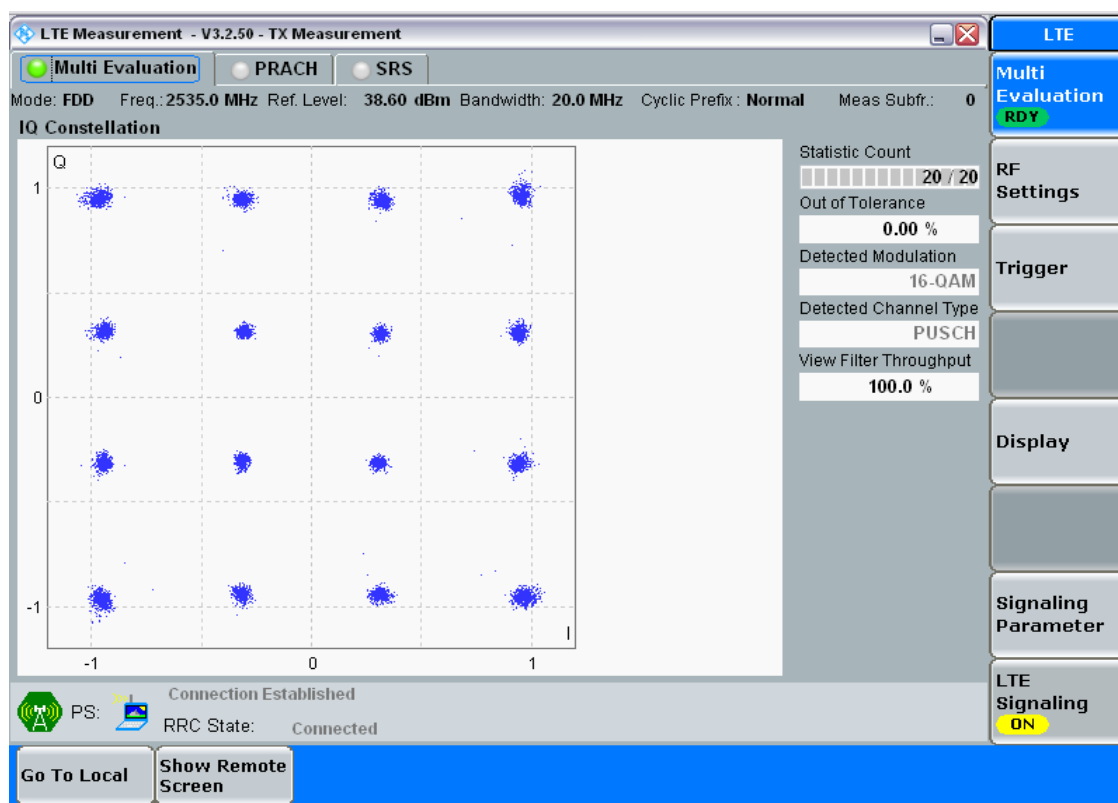
3.2.1.2.3.1.1 Test RB = RB75#0



3.2.1.2.4 Test Bandwidth = 20

3.2.1.2.4.1 Test Channel = MCH

3.2.1.2.4.1.1 Test RB = RB100#0



4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Channel	Occupied Bandwidth [kHz]	Emission Bandwidth [kHz]	Verdict
GSM850	GSM/TM1	LCH	244.60	318.89	Pass
		MCH	243.74	316.96	Pass
		HCH	245.48	316.49	Pass
	GSM/TM2	LCH	240.84	311.49	Pass
		MCH	241.95	309.57	Pass
		HCH	244.68	315.84	Pass
GSM1900	GSM/TM1	LCH	246.83	314.63	Pass
		MCH	246.00	312.93	Pass
		HCH	246.39	312.19	Pass
	GSM/TM2	LCH	242.10	316.02	Pass
		MCH	245.62	316.14	Pass
		HCH	247.88	321.17	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND7	LTE/TM1	5	LCH	RB25#0	4.51	4.88	Pass
			MCH	RB25#0	4.51	4.86	Pass
			HCH	RB25#0	4.50	4.89	Pass
		10	LCH	RB50#0	9.00	9.67	Pass
			MCH	RB50#0	8.99	9.65	Pass
			HCH	RB50#0	8.98	9.61	Pass
		15	LCH	RB75#0	13.48	14.41	Pass
			MCH	RB75#0	13.48	14.31	Pass
			HCH	RB75#0	13.46	14.27	Pass
		20	LCH	RB100#0	17.93	19.11	Pass
			MCH	RB100#0	17.94	19.02	Pass
			HCH	RB100#0	17.91	18.98	Pass
	LTE/TM2	5	LCH	RB25#0	4.52	4.91	Pass
			MCH	RB25#0	4.50	4.89	Pass
			HCH	RB25#0	4.51	4.88	Pass
		10	LCH	RB50#0	8.99	9.76	Pass
			MCH	RB50#0	8.98	9.67	Pass
			HCH	RB50#0	8.99	9.59	Pass
		15	LCH	RB75#0	13.48	14.31	Pass
			MCH	RB75#0	13.48	14.29	Pass
			HCH	RB75#0	13.47	14.30	Pass
		20	LCH	RB100#0	17.94	19.02	Pass
			MCH	RB100#0	17.94	19.01	Pass
			HCH	RB100#0	17.91	18.99	Pass

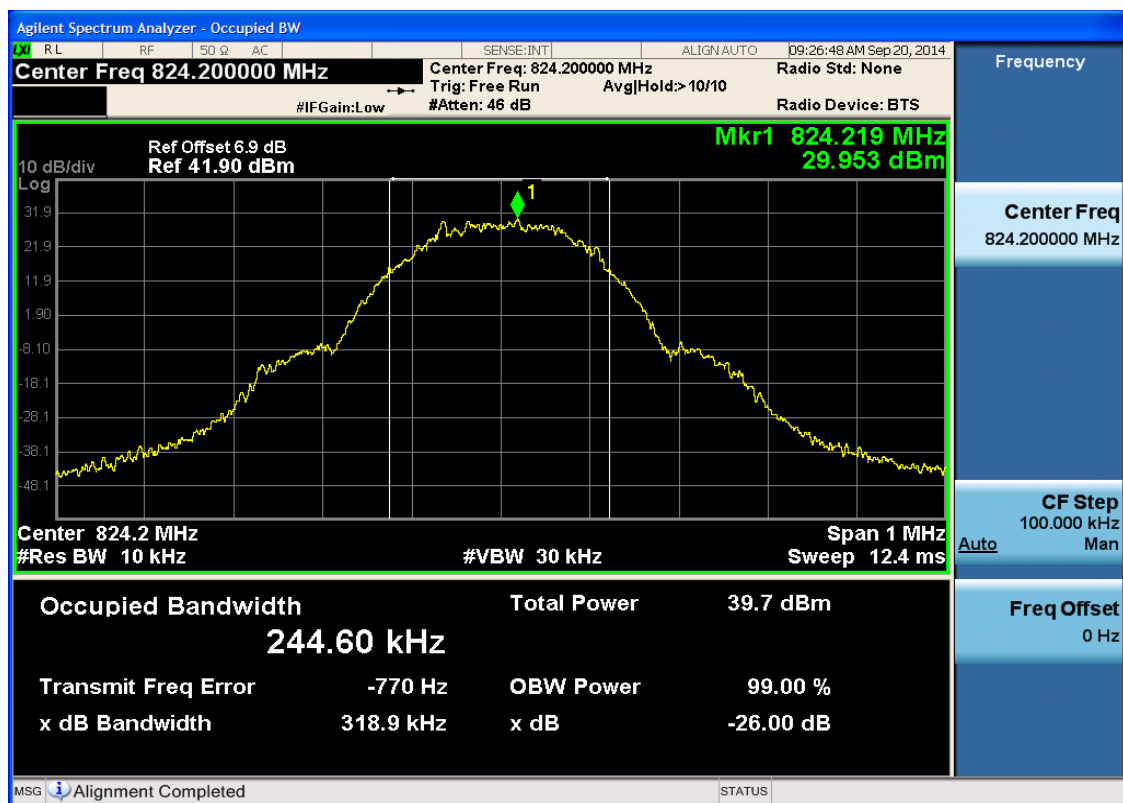
Part II - Test Plots

4.1 For GSM

4.1.1 Test Band = GSM850

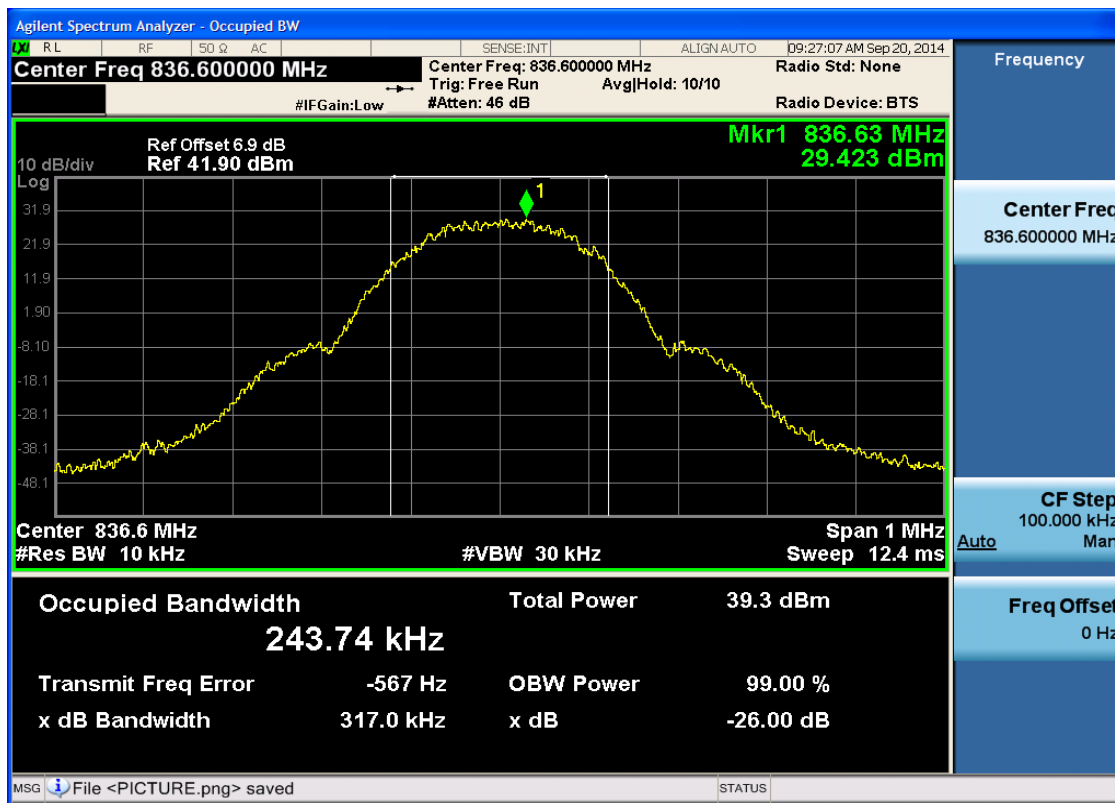
4.1.1.1 Test Mode = GSM/TM1

4.1.1.1.1 Test Channel = LCH



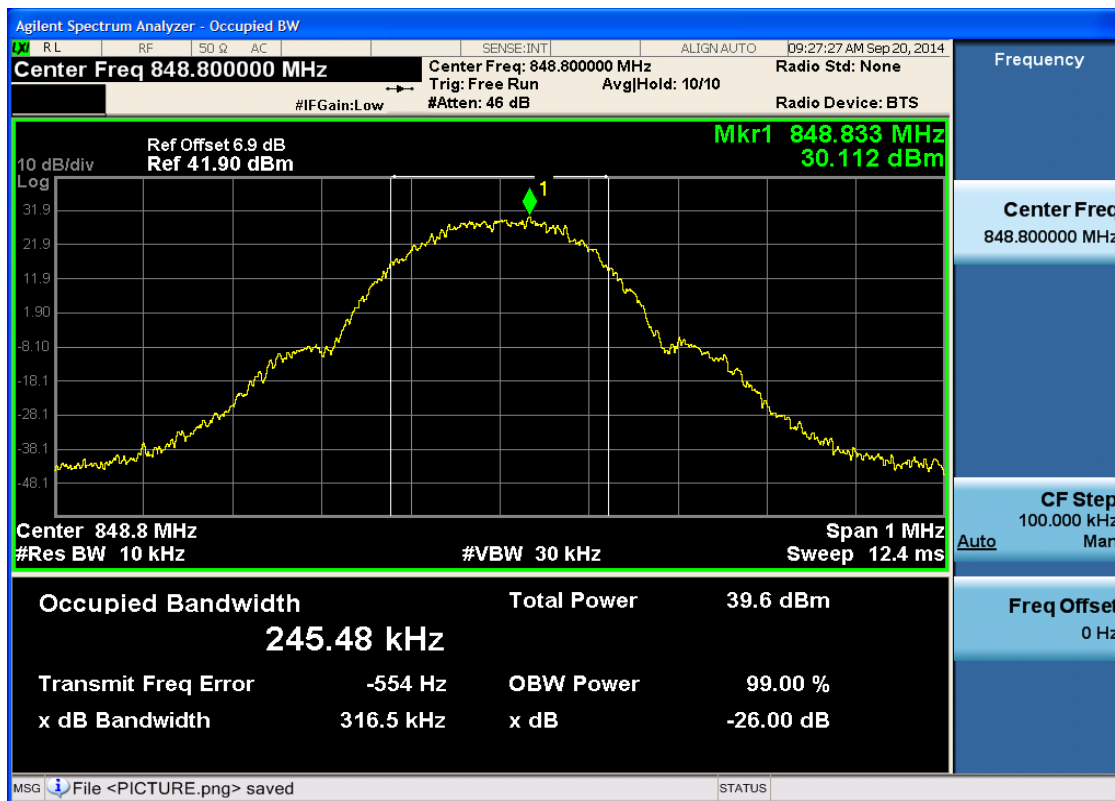


4.1.1.1.2 Test Channel = MCH





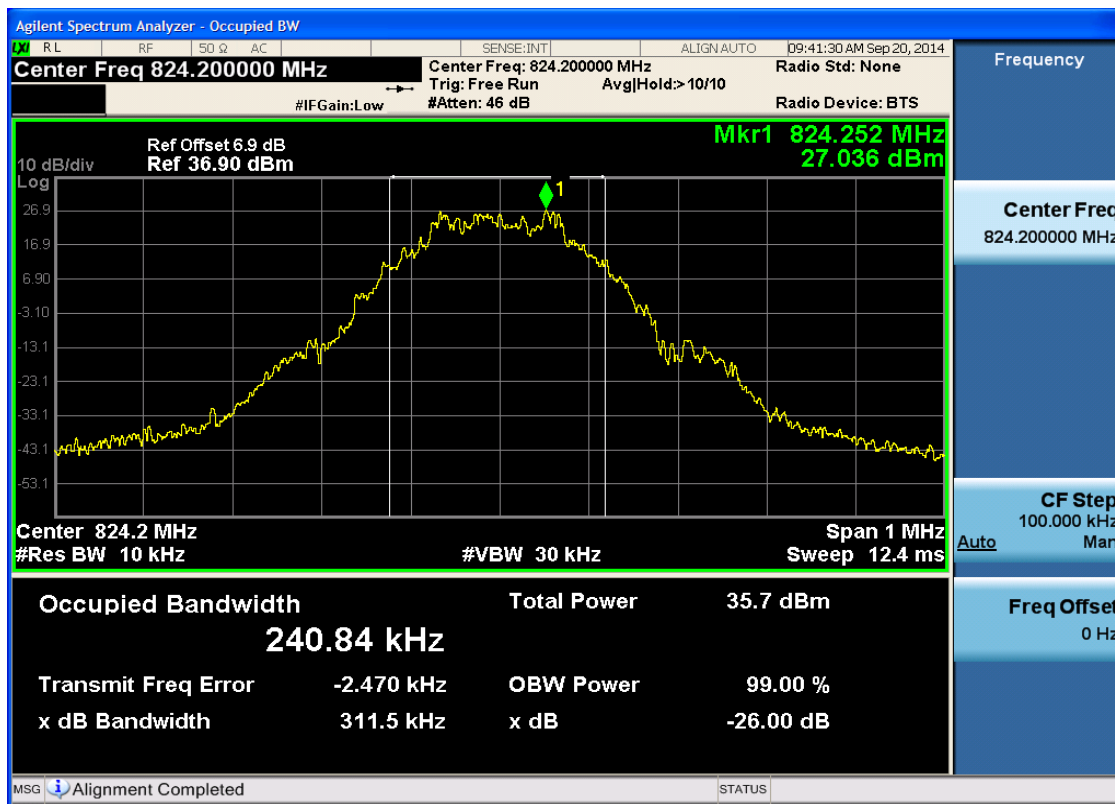
4.1.1.1.3 Test Channel = HCH





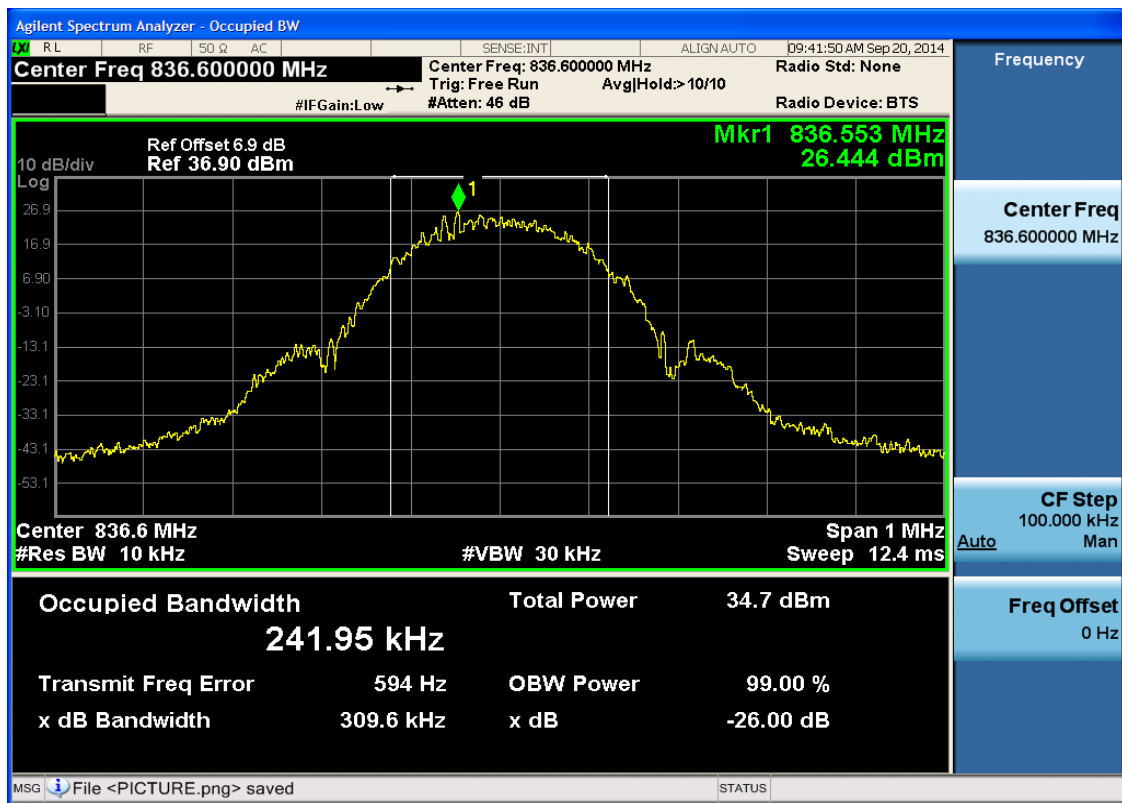
4.1.1.2 Test Mode = GSM/TM2

4.1.1.2.1 Test Channel = LCH



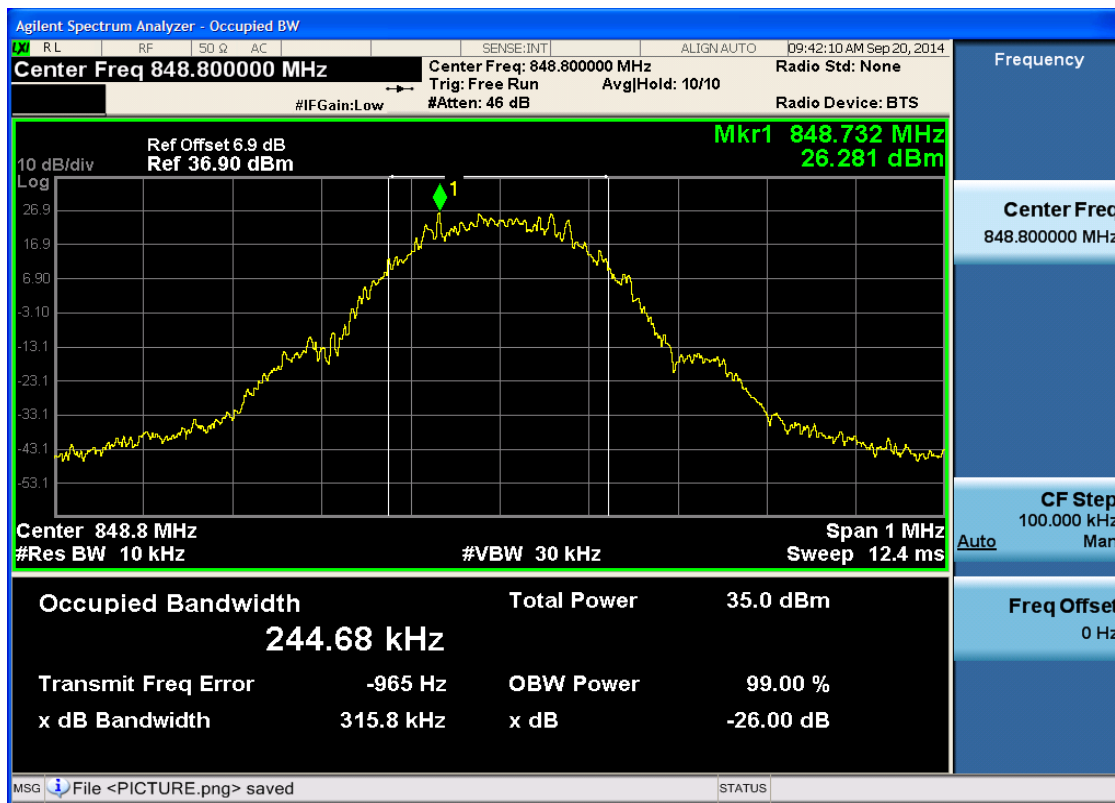


4.1.1.2.2 Test Channel = MCH





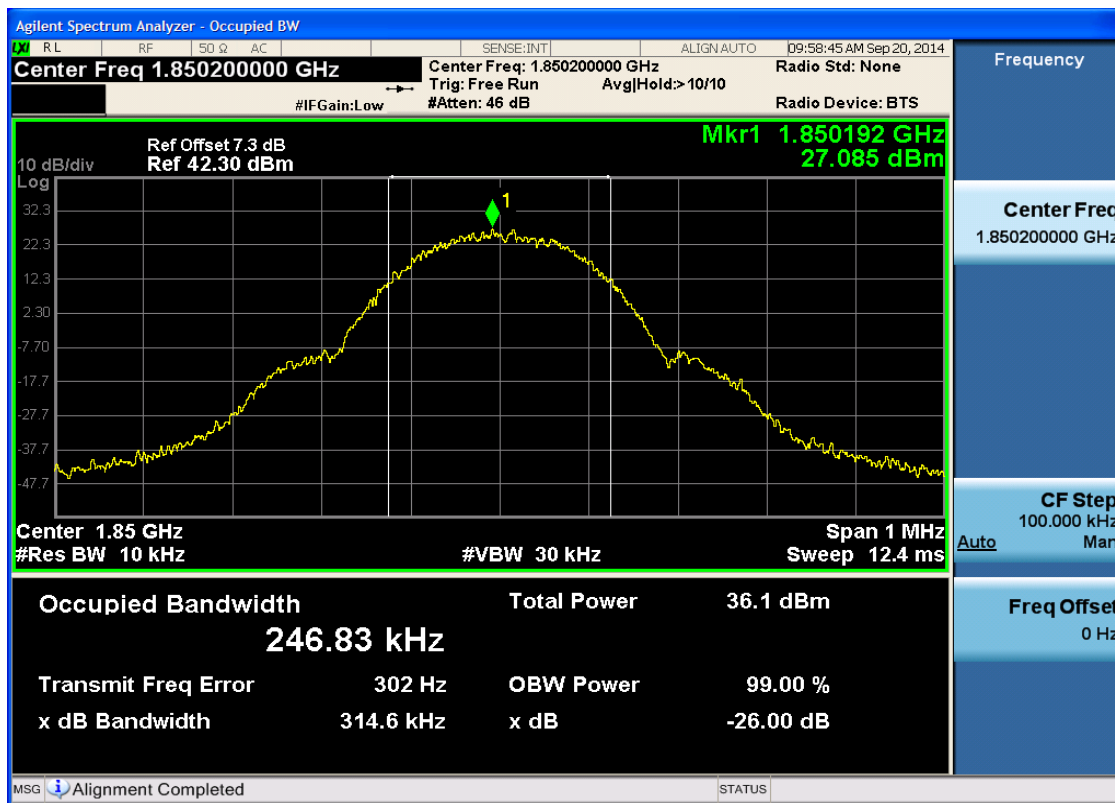
4.1.1.2.3 Test Channel = HCH



4.1.2 Test Band = GSM1900

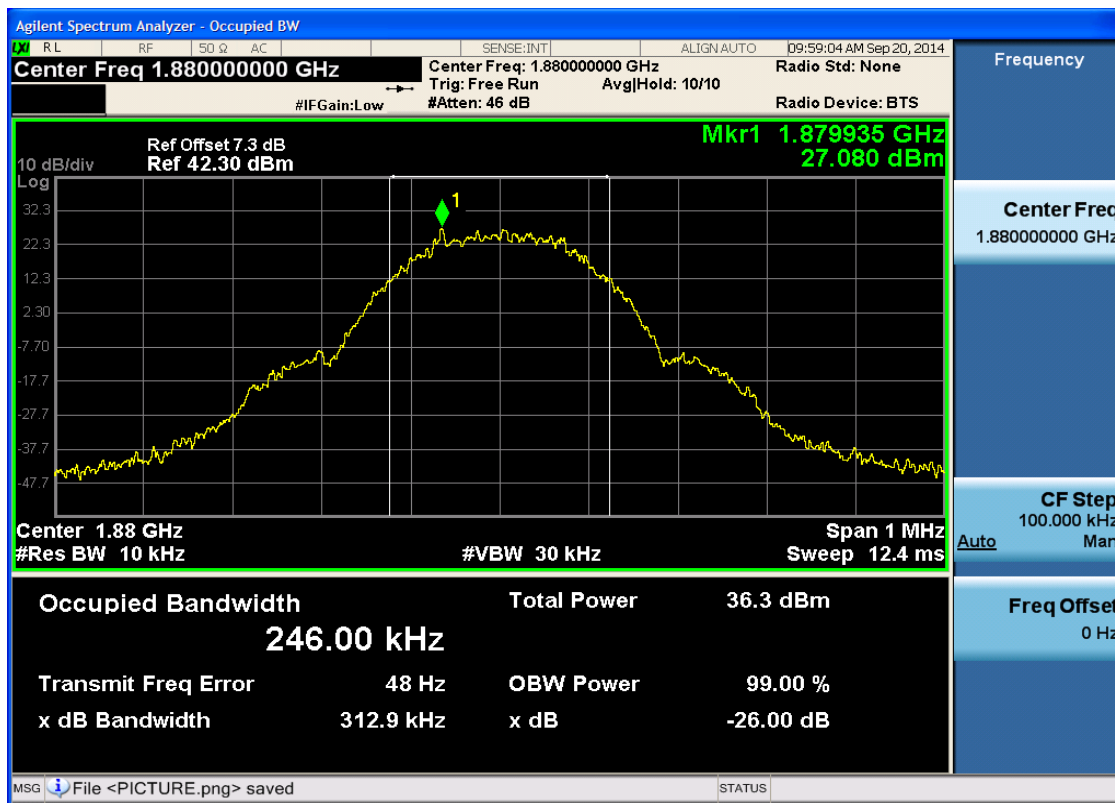
4.1.2.1 Test Mode = GSM/TM1

4.1.2.1.1 Test Channel = LCH



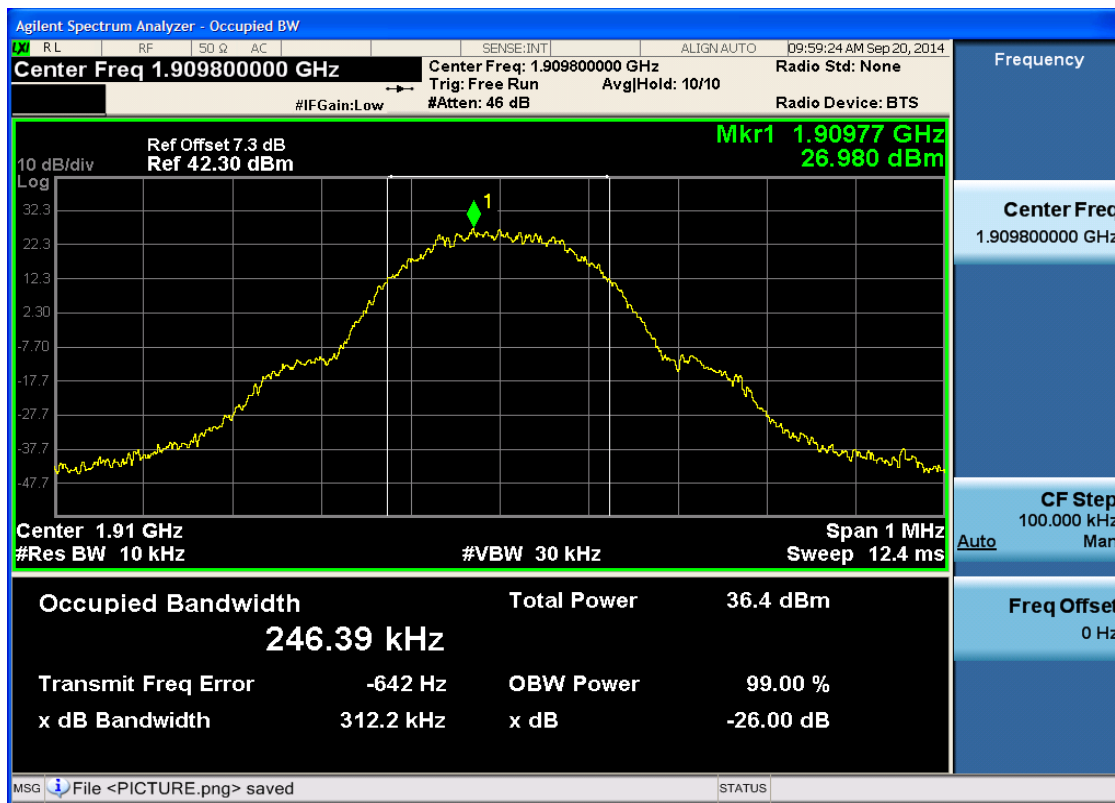


4.1.2.1.2 Test Channel = MCH





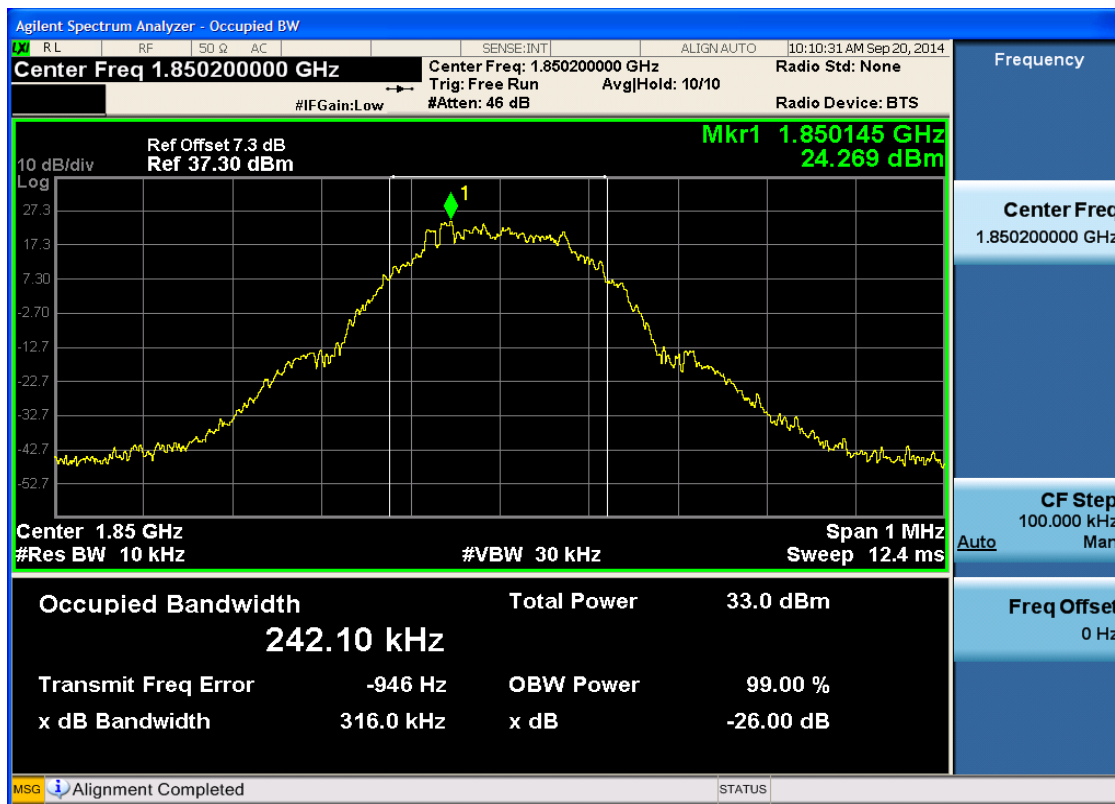
4.1.2.1.3 Test Channel = HCH





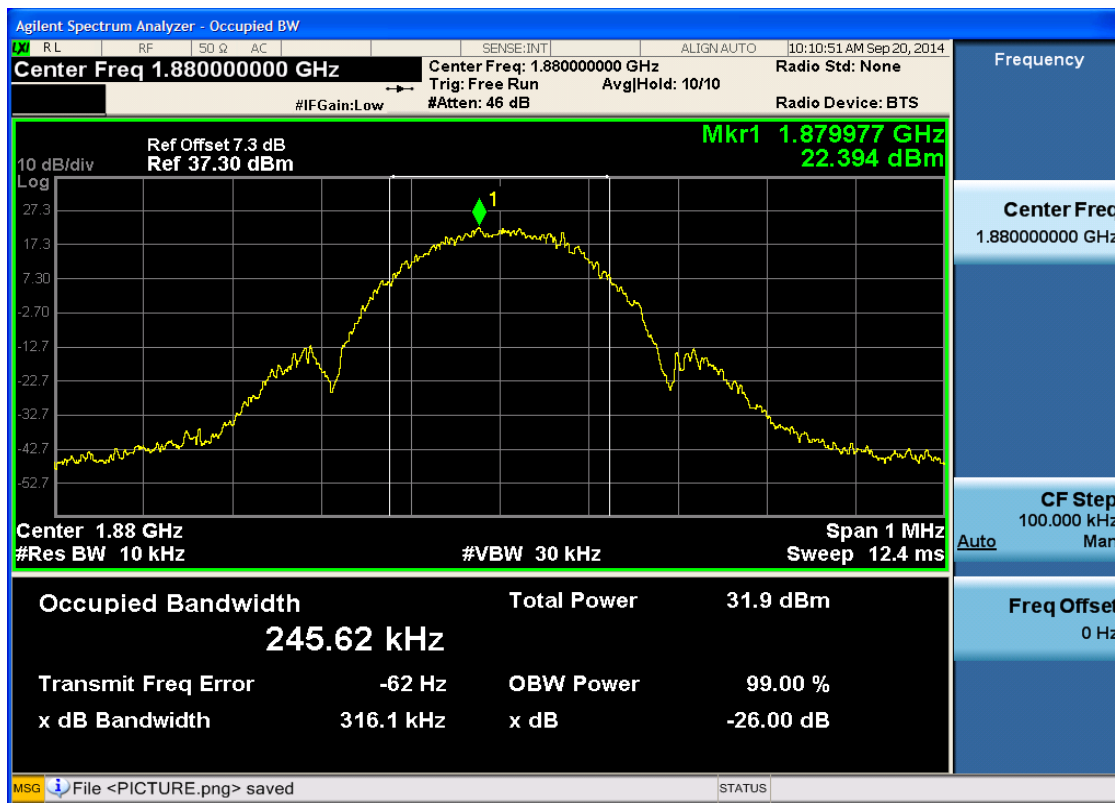
4.1.2.2 Test Mode = GSM/TM2

4.1.2.2.1 Test Channel = LCH



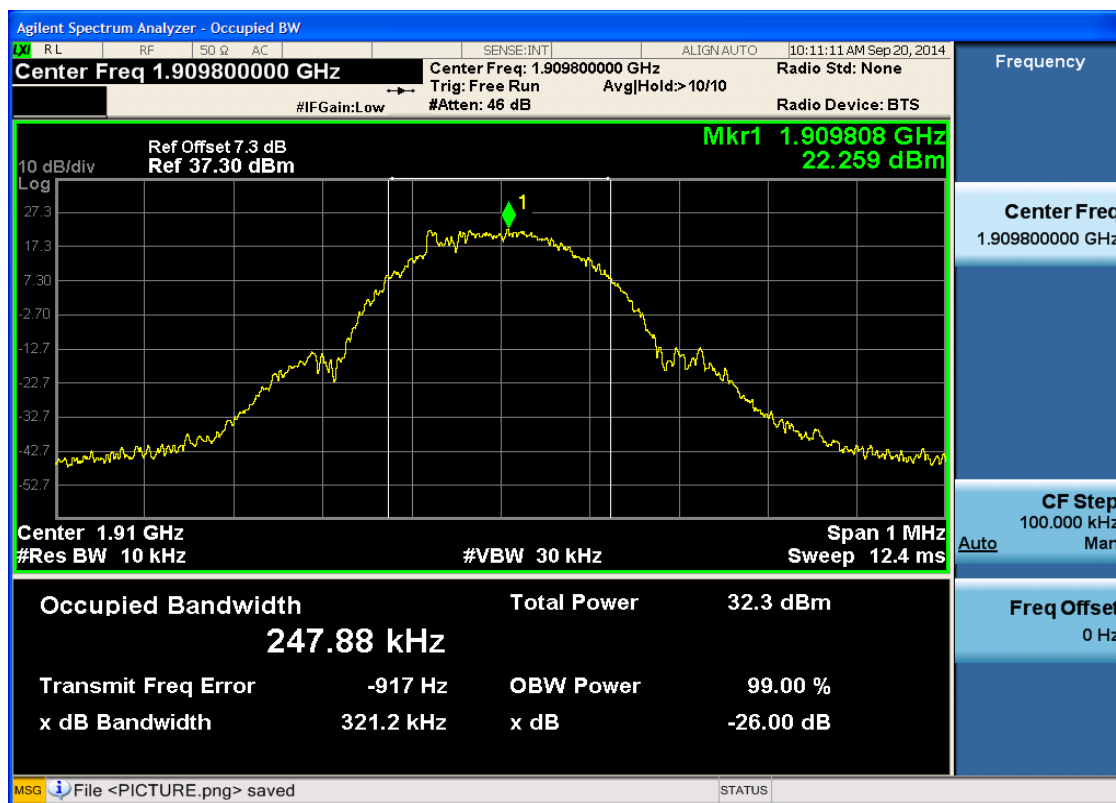


4.1.2.2.2 Test Channel = MCH





4.1.2.2.3 Test Channel = HCH





4.2 For LTE

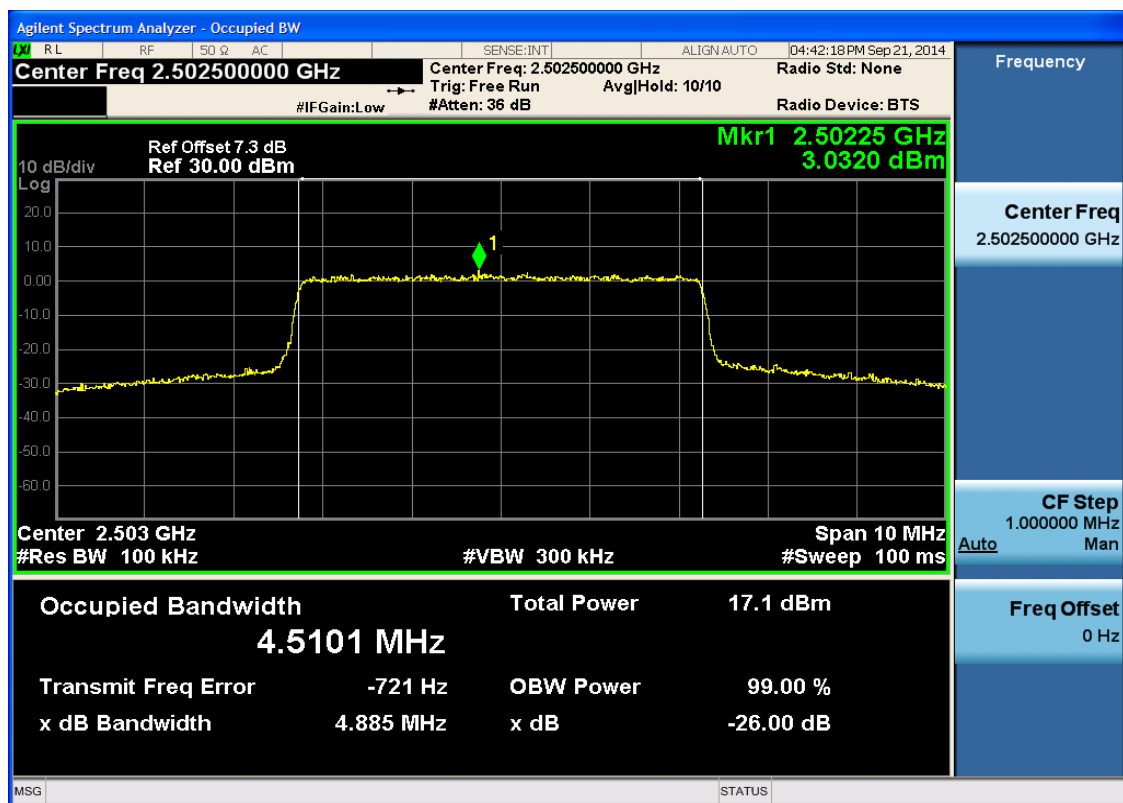
4.2.1 Test Band = BAND7

4.2.1.1 Test Mode = LTE/TM1

4.2.1.1.1 Test Bandwidth = 5

4.2.1.1.1.1 Test Channel = LCH

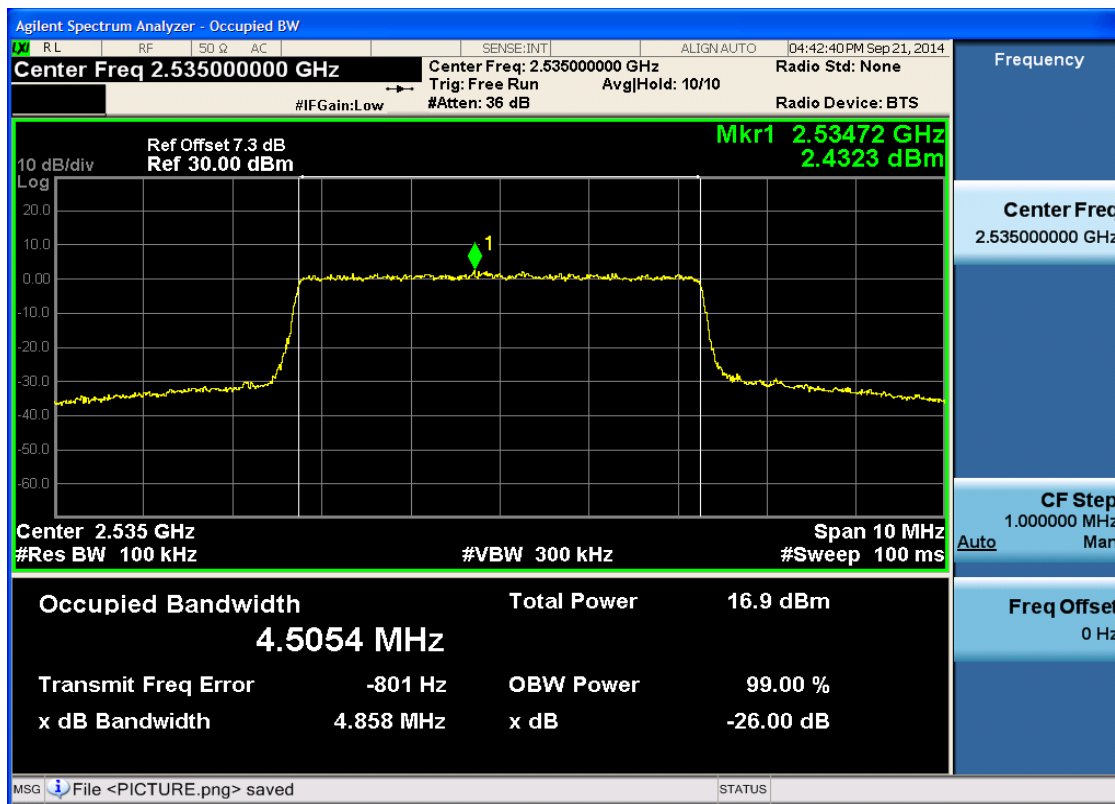
4.2.1.1.1.1.1 Test RB = RB25#0





4.2.1.1.1.2 Test Channel = MCH

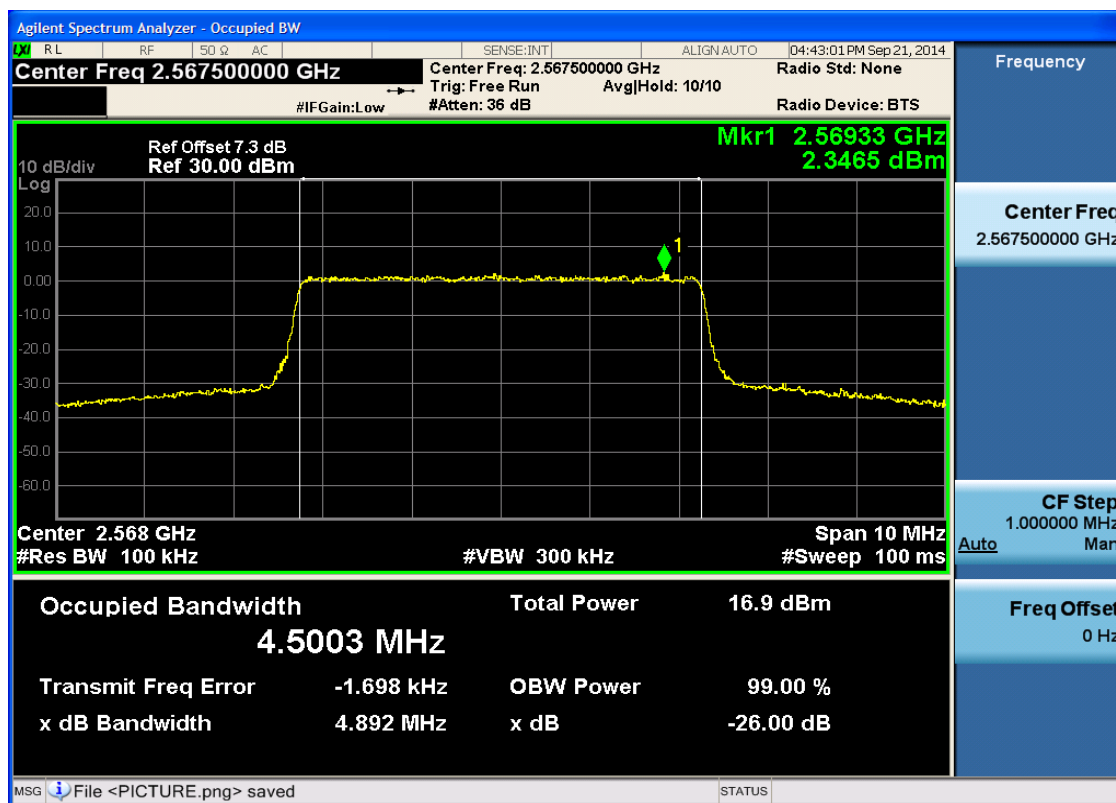
4.2.1.1.1.2.1 Test RB = RB25#0





4.2.1.1.1.3 Test Channel = HCH

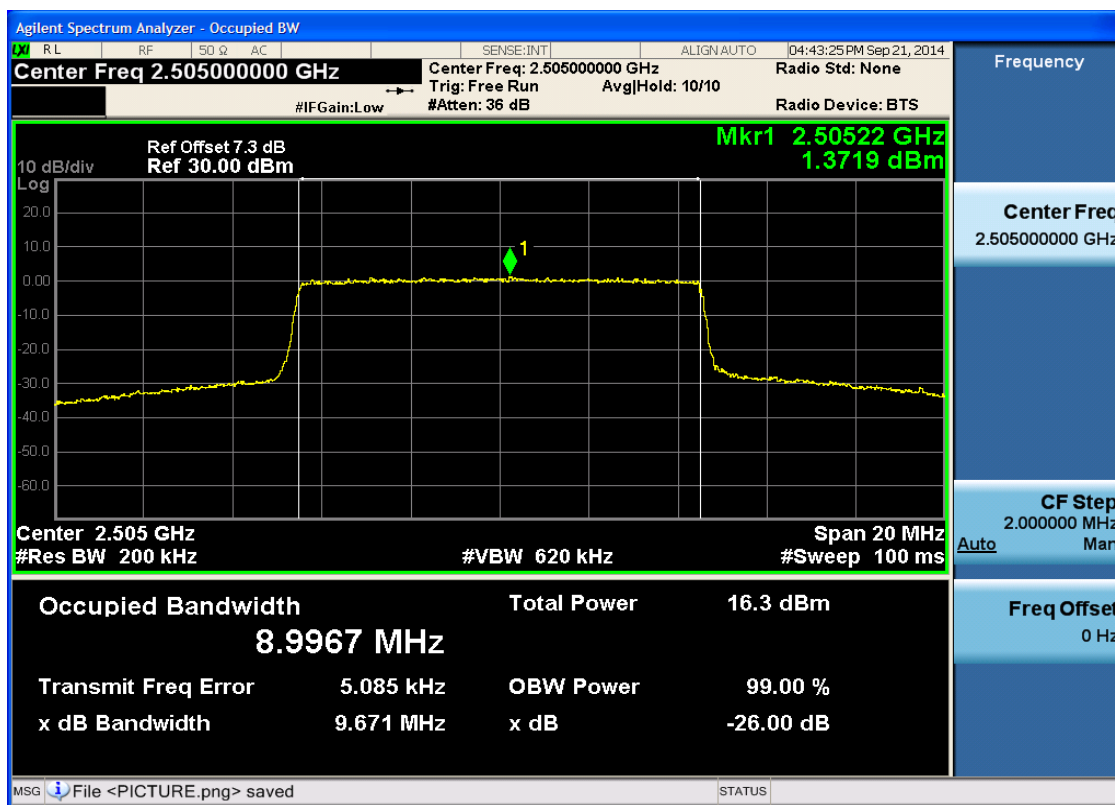
4.2.1.1.1.3.1 Test RB = RB25#0



4.2.1.1.2 Test Bandwidth = 10

4.2.1.1.2.1 Test Channel = LCH

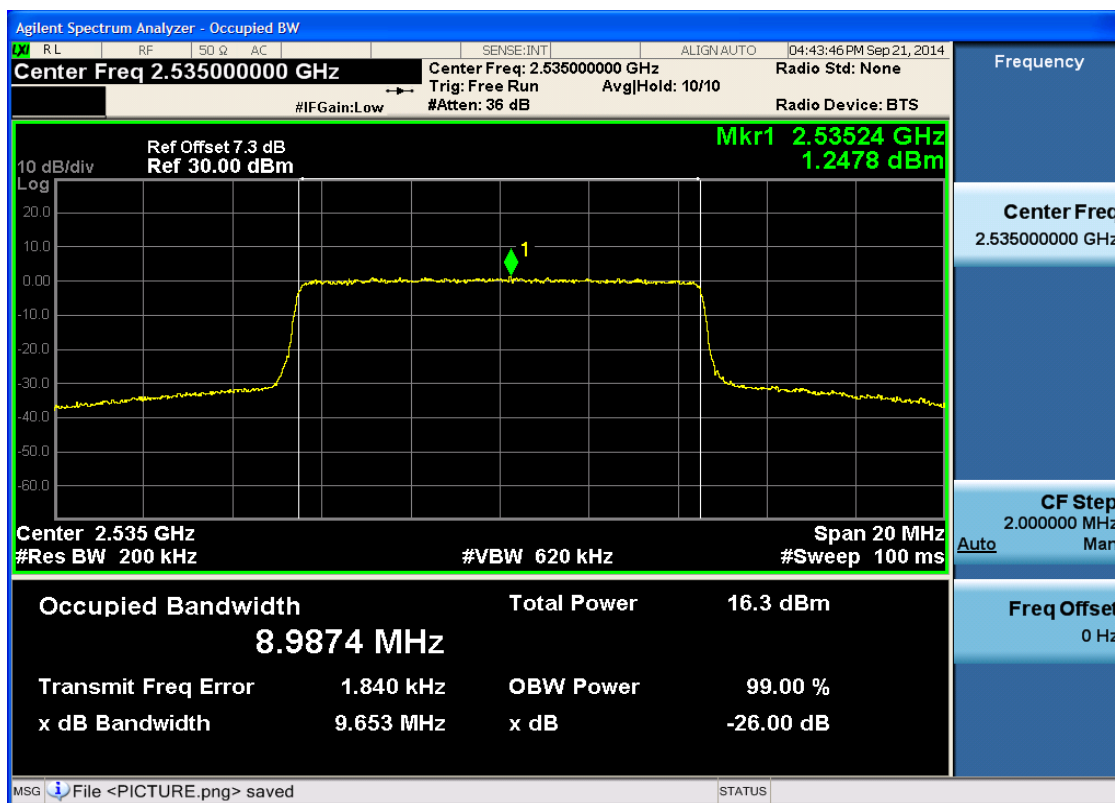
4.2.1.1.2.1.1 Test RB = RB50#0





4.2.1.1.2.2 Test Channel = MCH

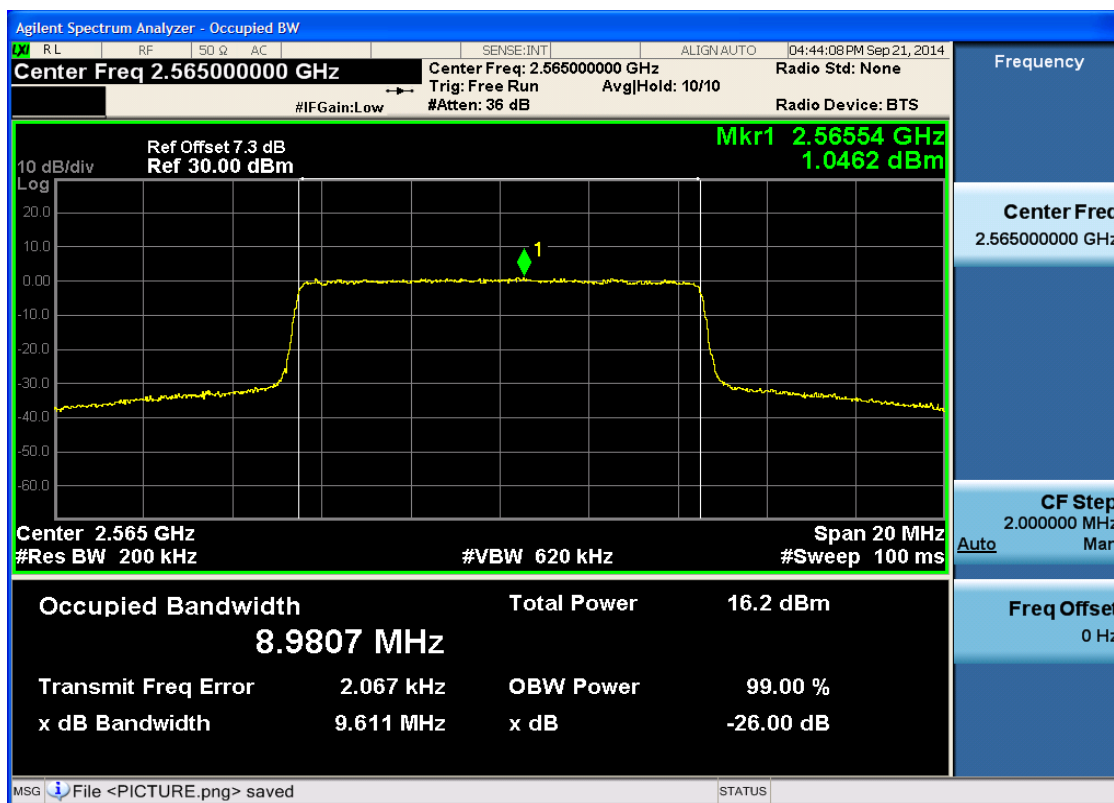
4.2.1.1.2.2.1 Test RB = RB50#0





4.2.1.1.2.3 Test Channel = HCH

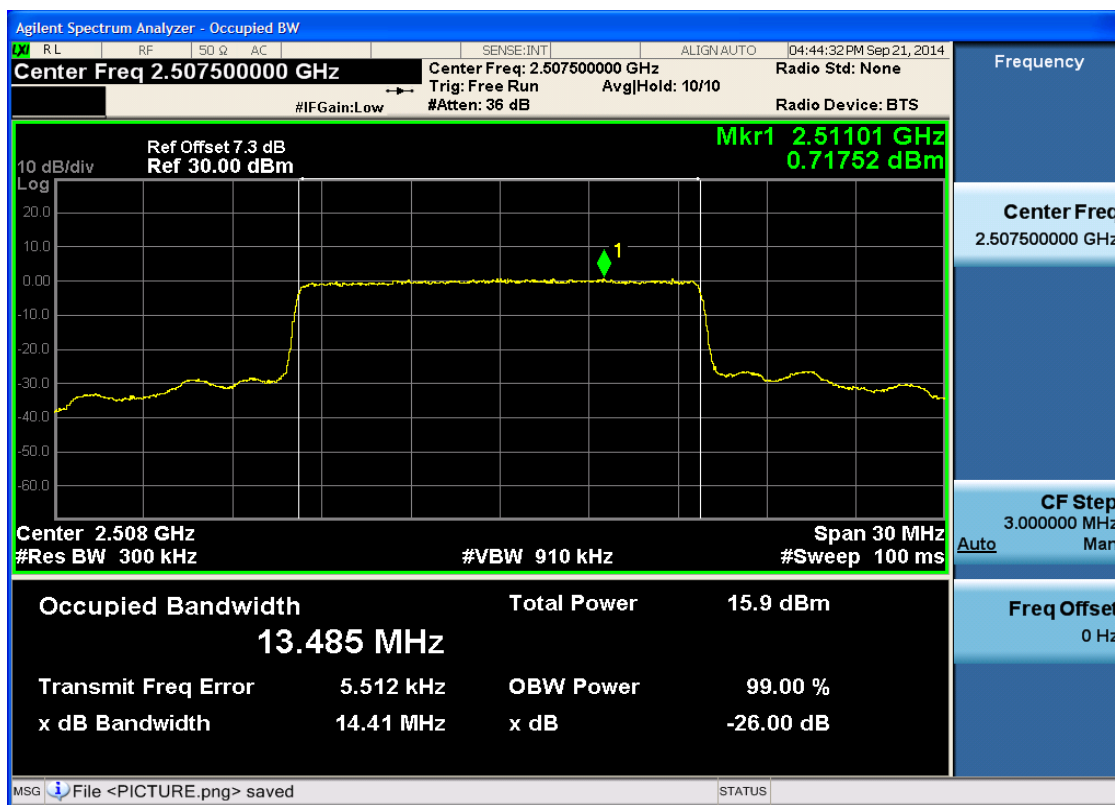
4.2.1.1.2.3.1 Test RB = RB50#0



4.2.1.1.3 Test Bandwidth = 15

4.2.1.1.3.1 Test Channel = LCH

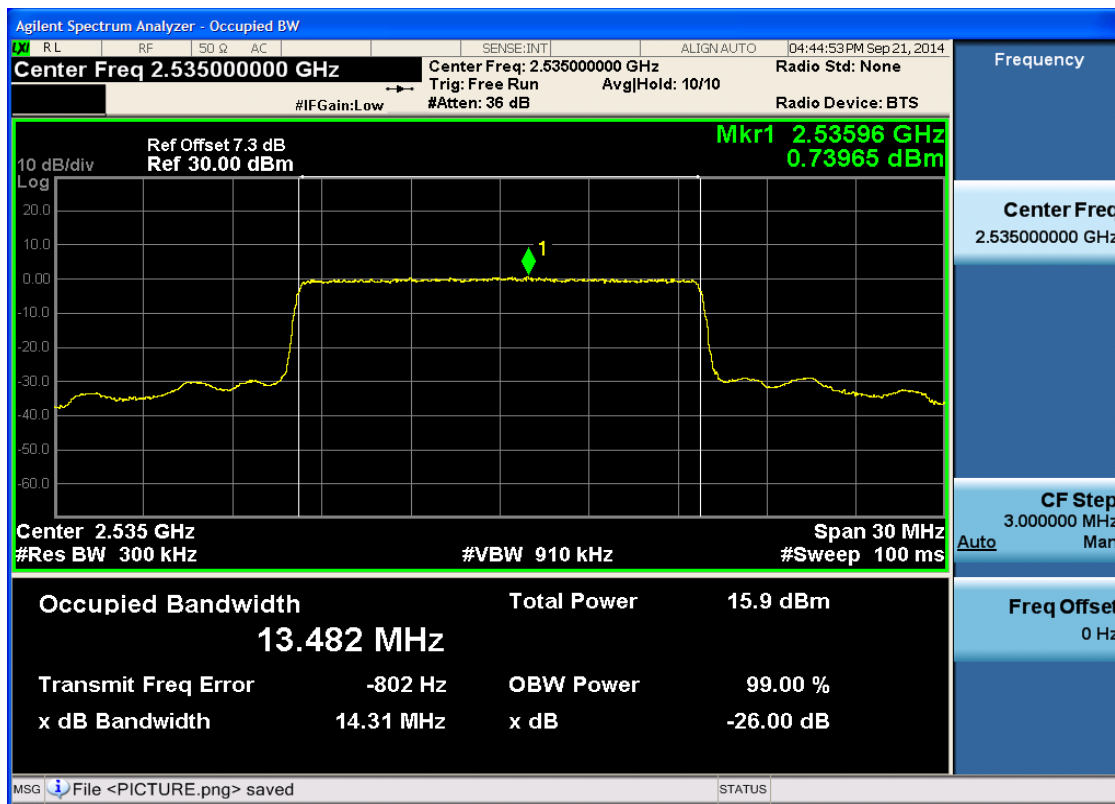
4.2.1.1.3.1.1 Test RB = RB75#0





4.2.1.1.3.2 Test Channel = MCH

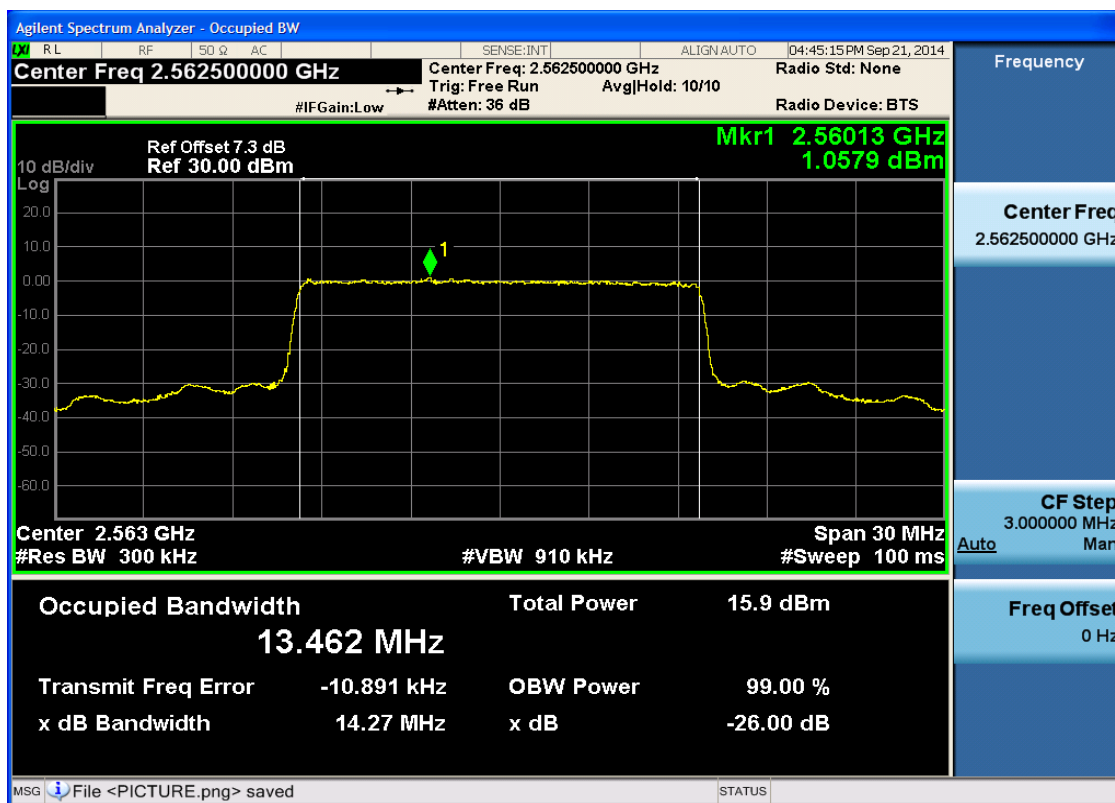
4.2.1.1.3.2.1 Test RB = RB75#0





4.2.1.1.3.3 Test Channel = HCH

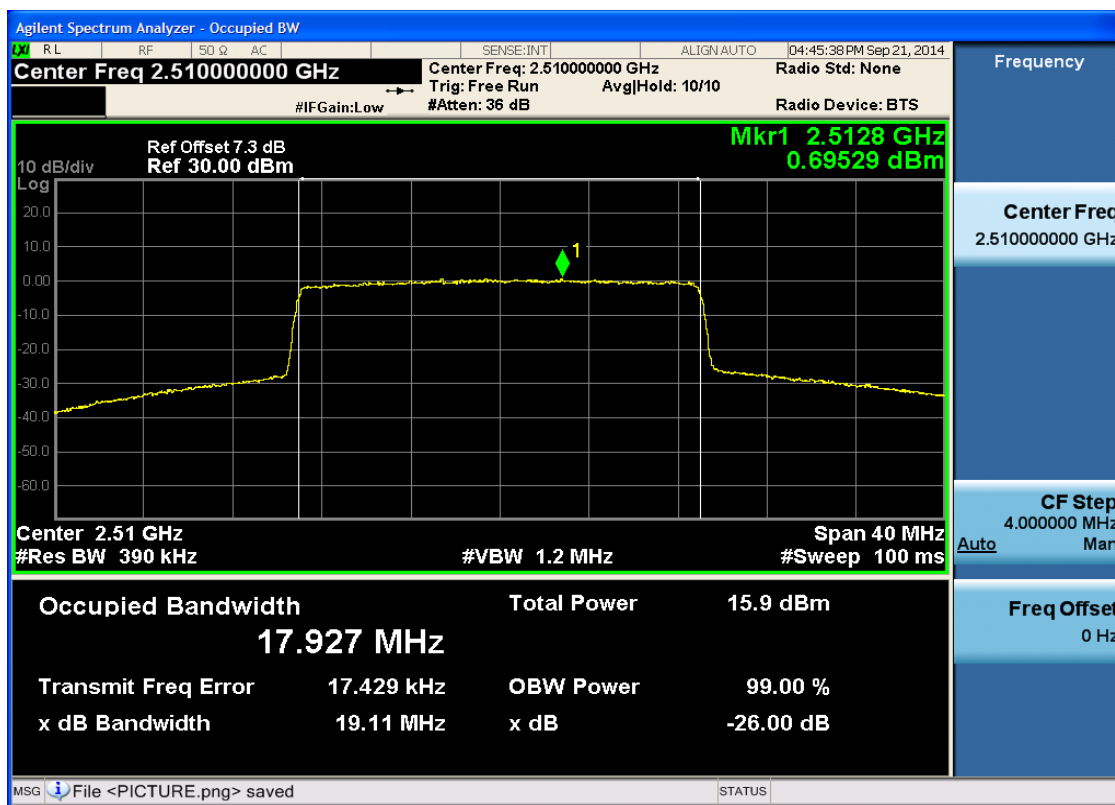
4.2.1.1.3.3.1 Test RB = RB75#0



4.2.1.1.4 Test Bandwidth = 20

4.2.1.1.4.1 Test Channel = LCH

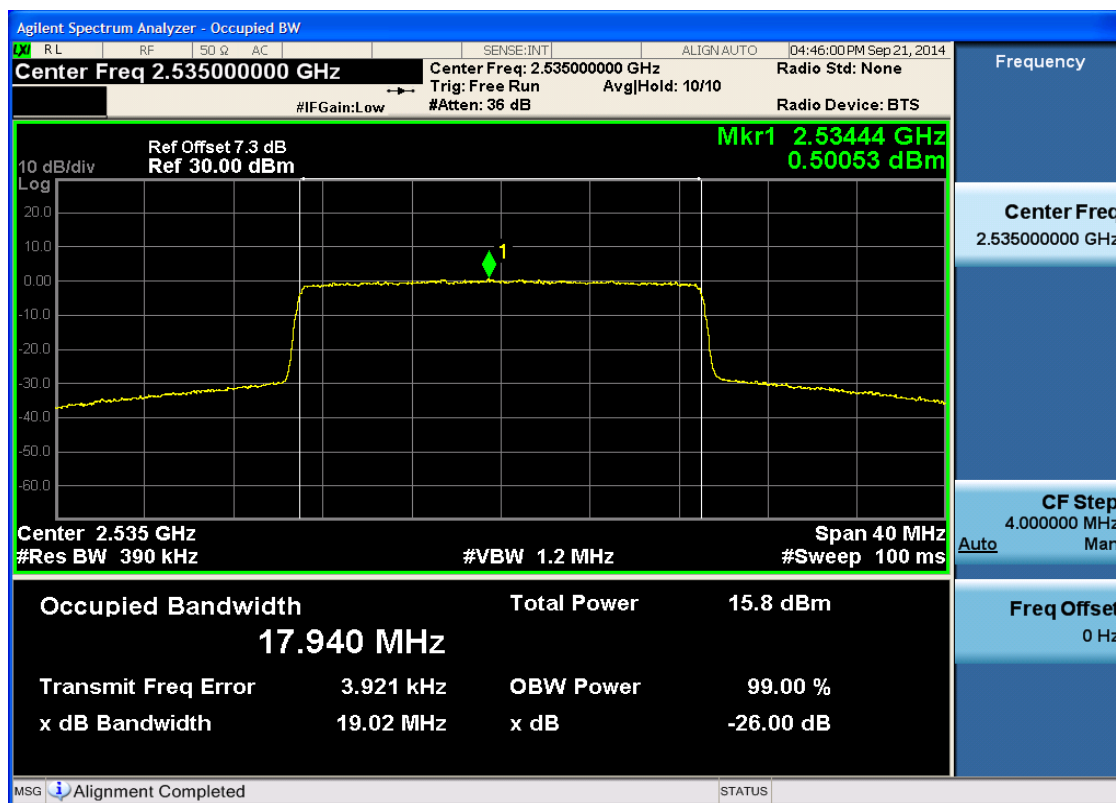
4.2.1.1.4.1.1 Test RB = RB100#0





4.2.1.1.4.2 Test Channel = MCH

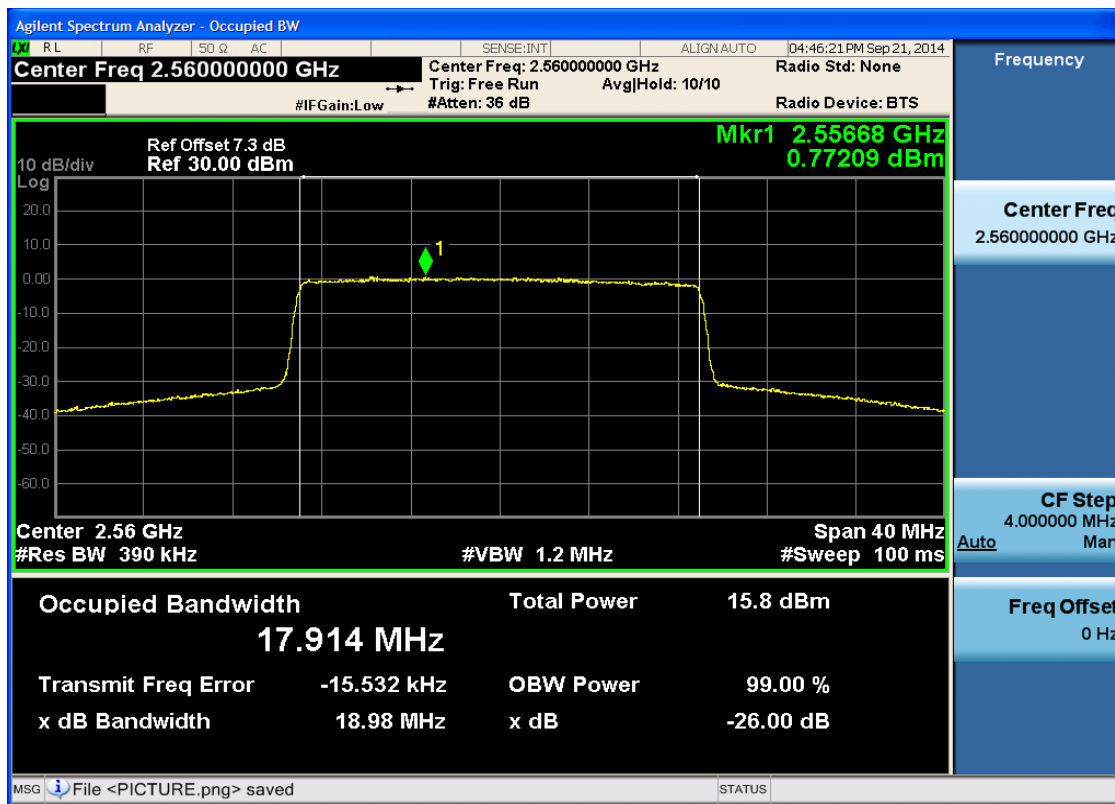
4.2.1.1.4.2.1 Test RB = RB100#0





4.2.1.1.4.3 Test Channel = HCH

4.2.1.1.4.3.1 Test RB = RB100#0

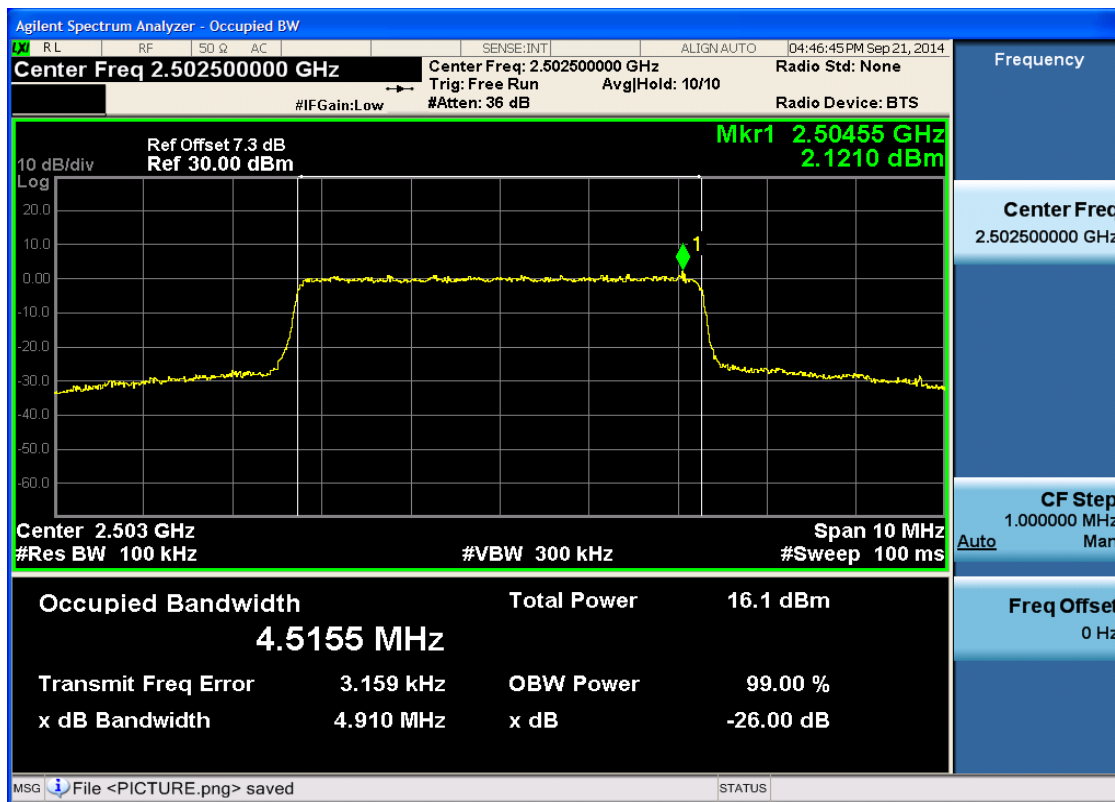


4.2.1.2 Test Mode = LTE/TM2

4.2.1.2.1 Test Bandwidth = 5

4.2.1.2.1.1 Test Channel = LCH

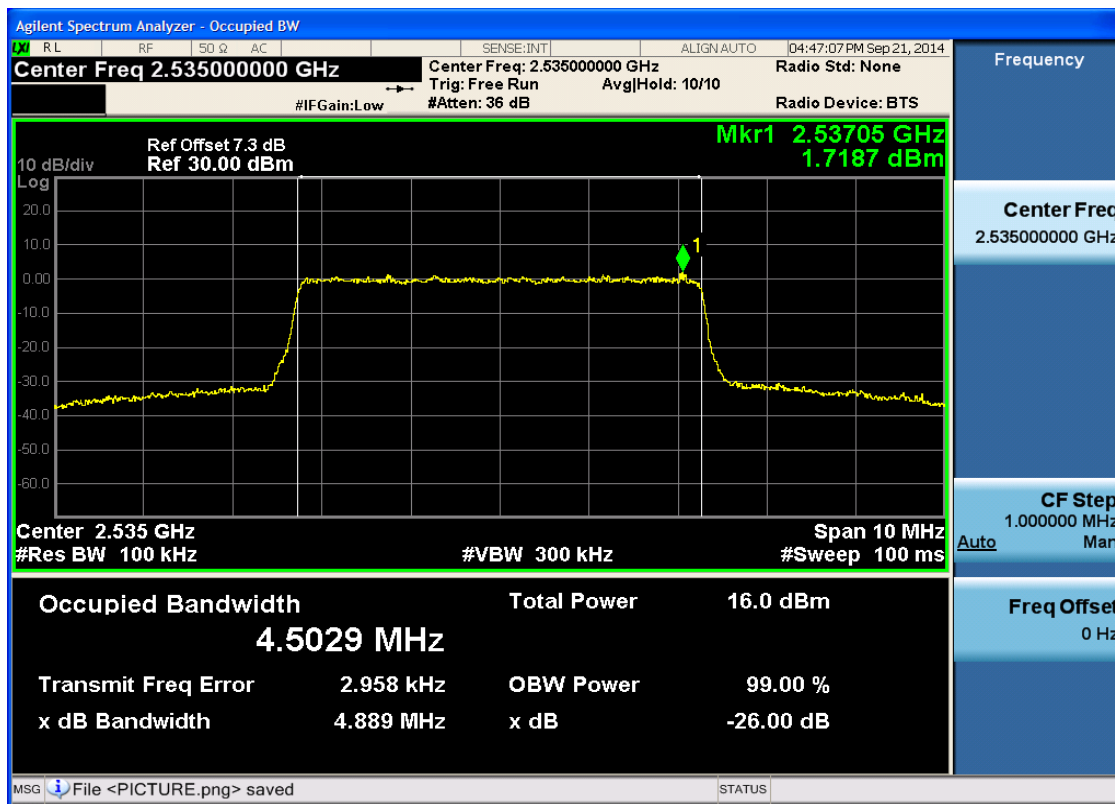
4.2.1.2.1.1.1 Test RB = RB25#0





4.2.1.2.1.2 Test Channel = MCH

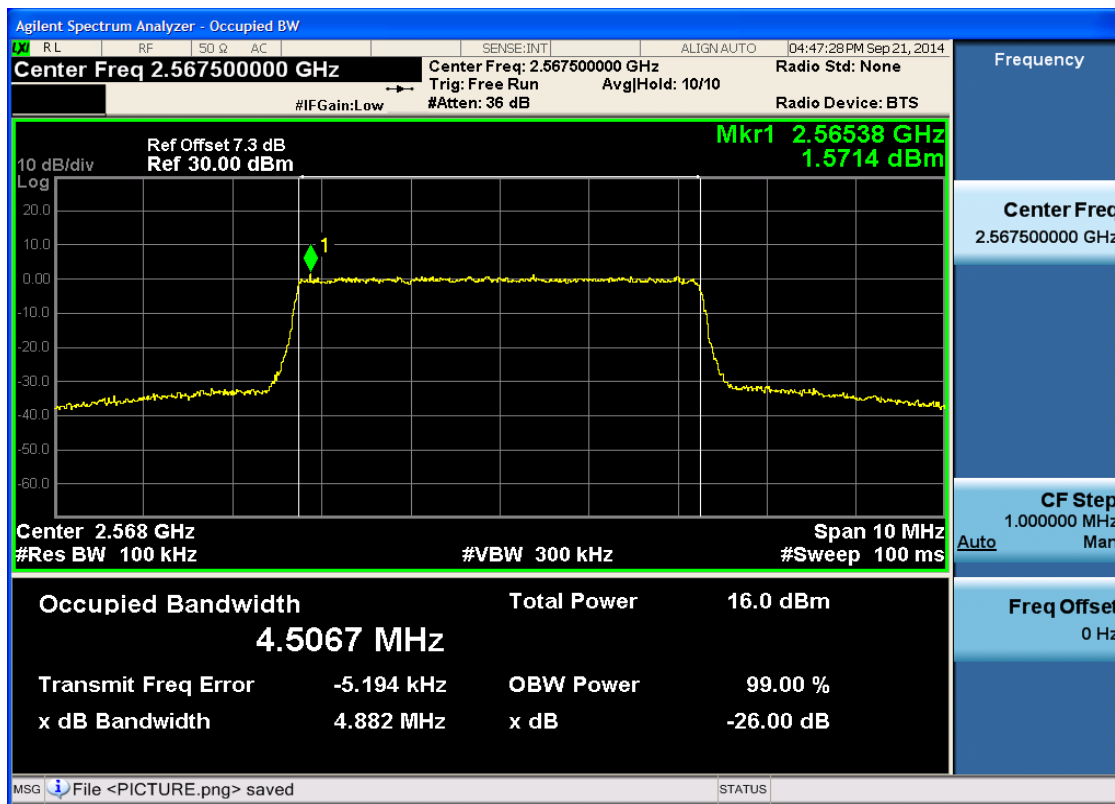
4.2.1.2.1.2.1 Test RB = RB25#0





4.2.1.2.1.3 Test Channel = HCH

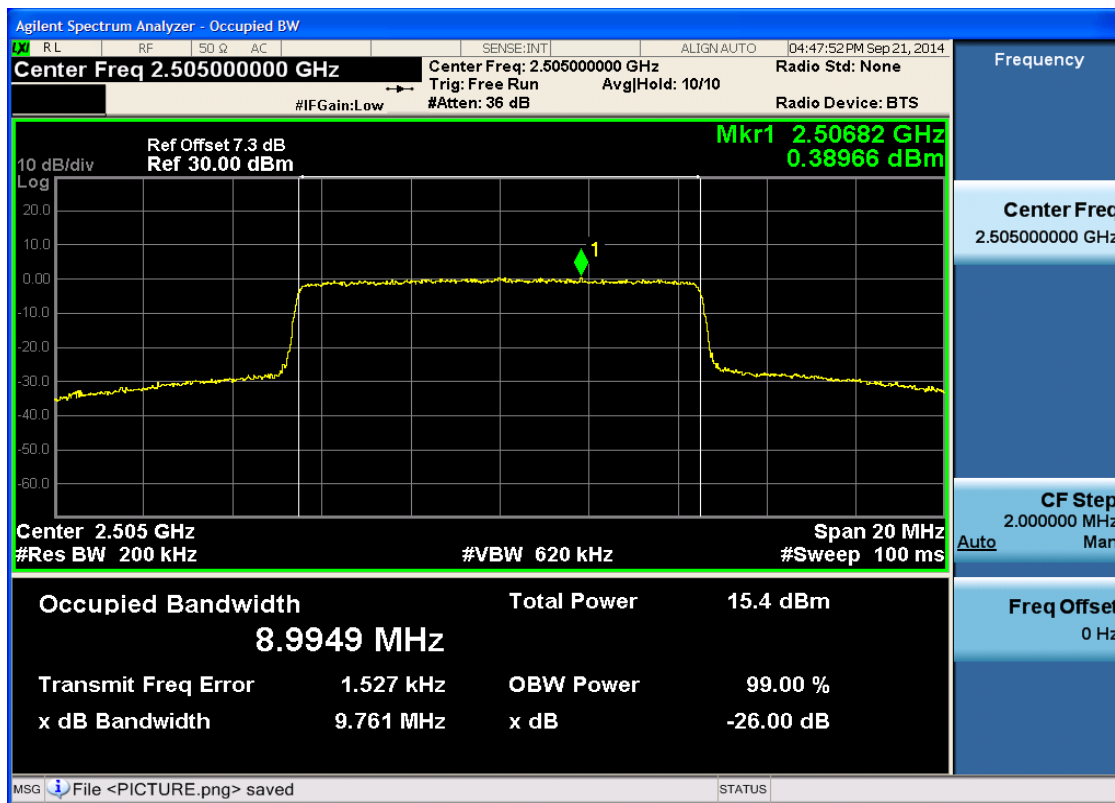
4.2.1.2.1.3.1 Test RB = RB25#0



4.2.1.2.2 Test Bandwidth = 10

4.2.1.2.2.1 Test Channel = LCH

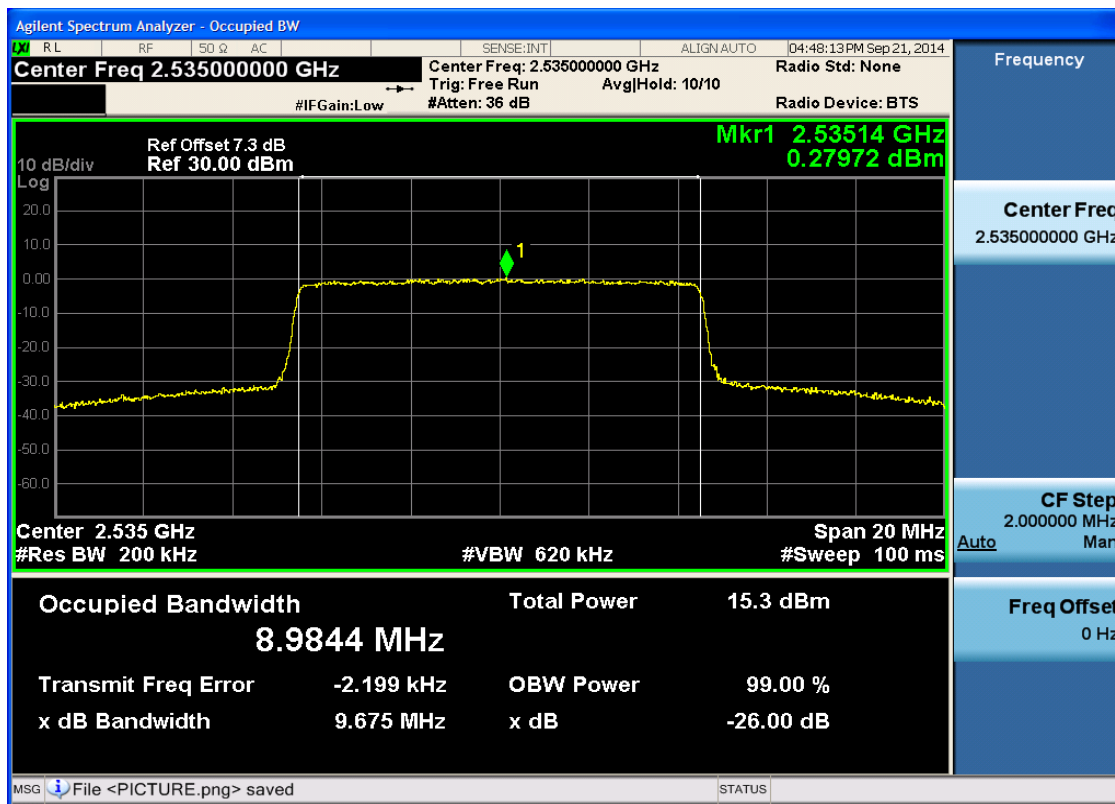
4.2.1.2.2.1.1 Test RB = RB50#0





4.2.1.2.2.2 Test Channel = MCH

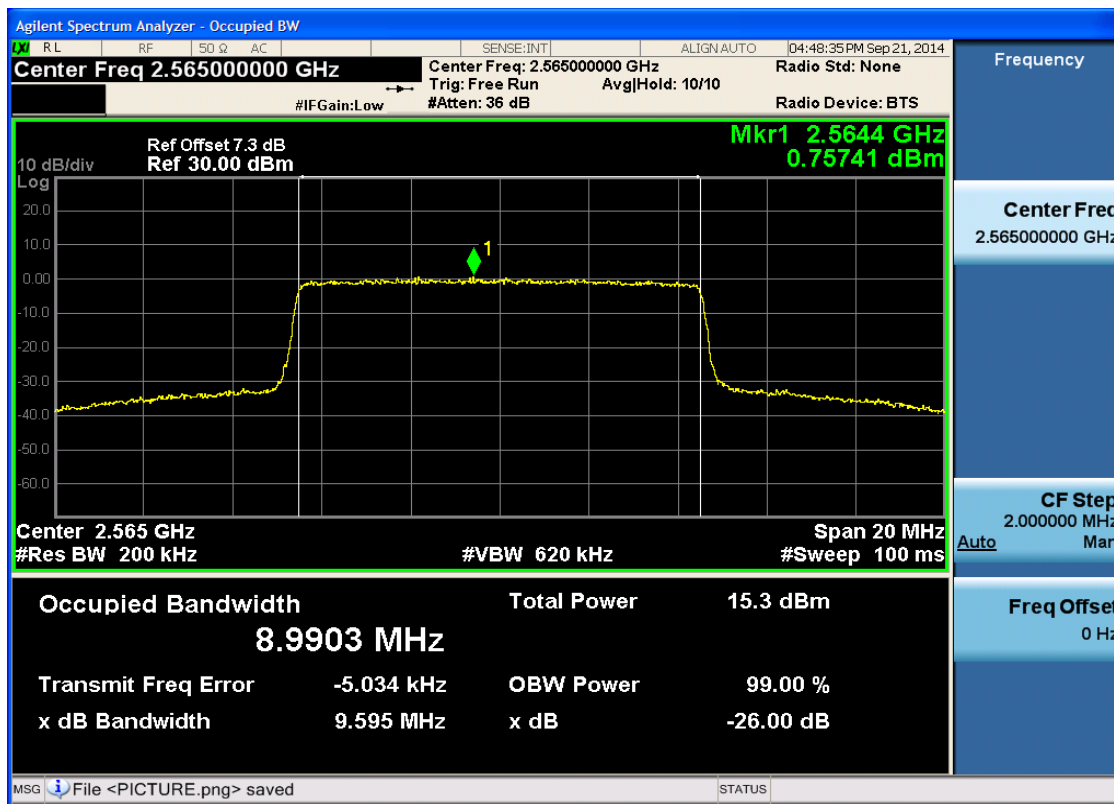
4.2.1.2.2.1 Test RB = RB50#0





4.2.1.2.2.3 Test Channel = HCH

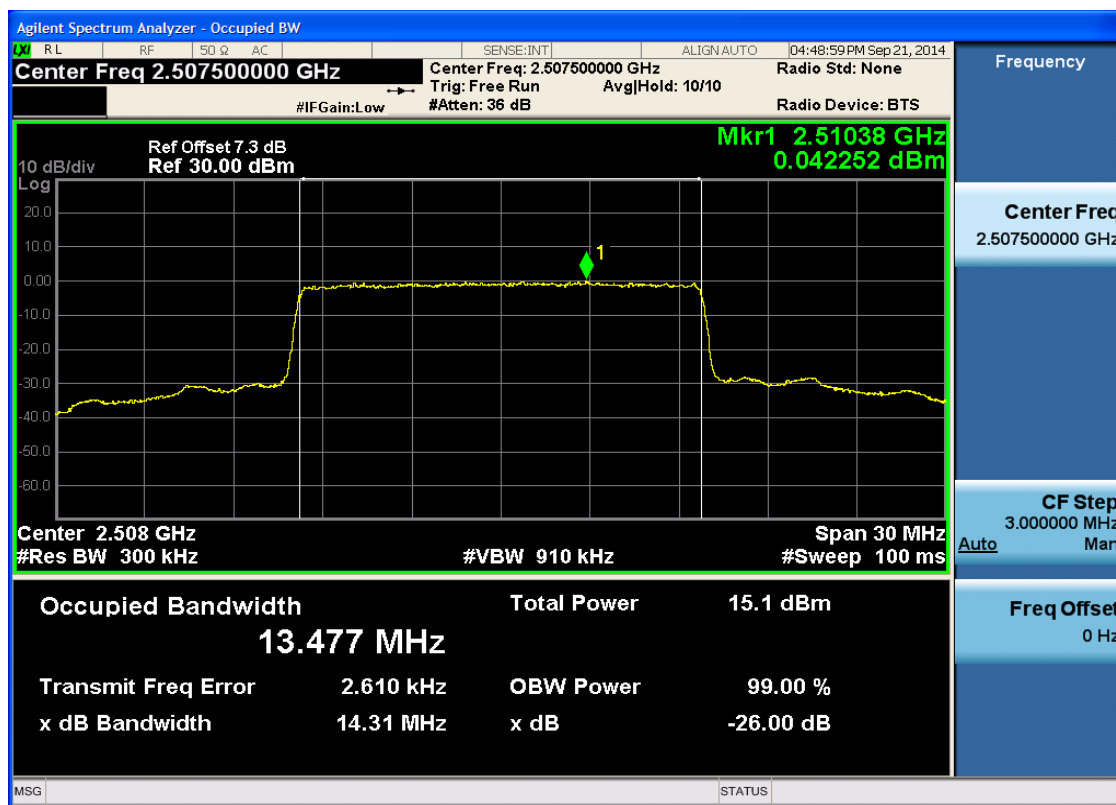
4.2.1.2.2.3.1 Test RB = RB50#0



4.2.1.2.3 Test Bandwidth = 15

4.2.1.2.3.1 Test Channel = LCH

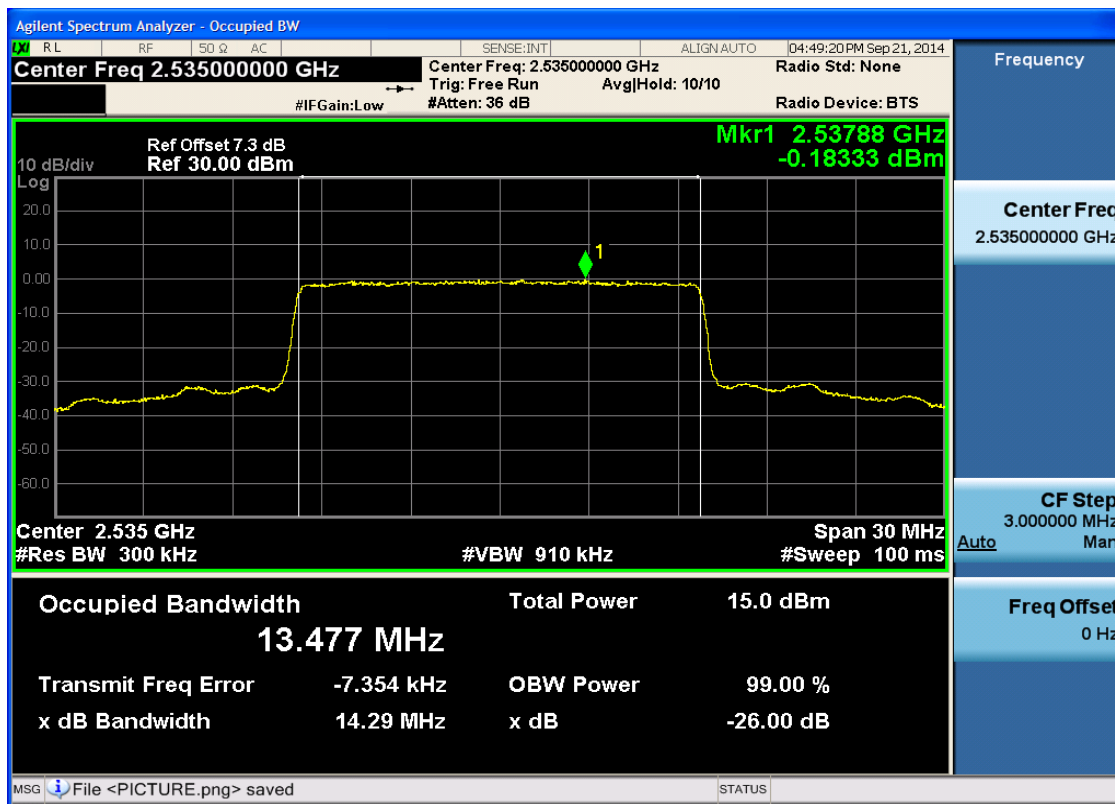
4.2.1.2.3.1.1 Test RB = RB75#0





4.2.1.2.3.2 Test Channel = MCH

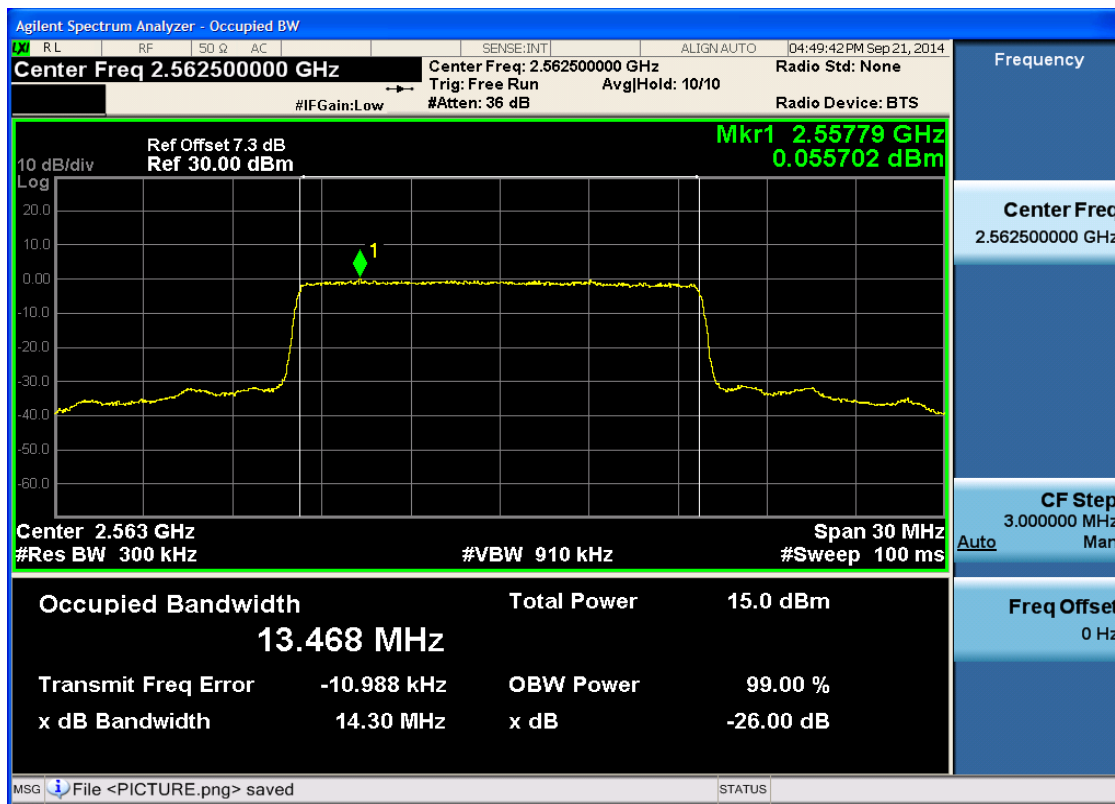
4.2.1.2.3.2.1 Test RB = RB75#0





4.2.1.2.3.3 Test Channel = HCH

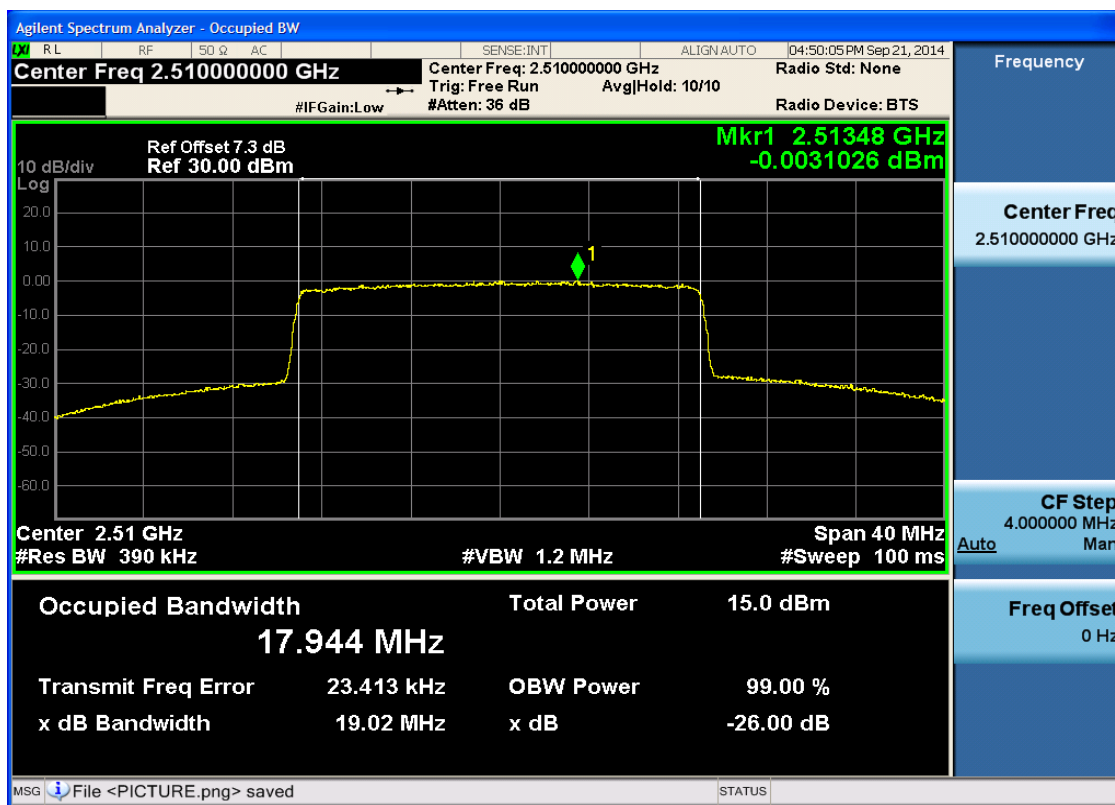
4.2.1.2.3.3.1 Test RB = RB75#0



4.2.1.2.4 Test Bandwidth = 20

4.2.1.2.4.1 Test Channel = LCH

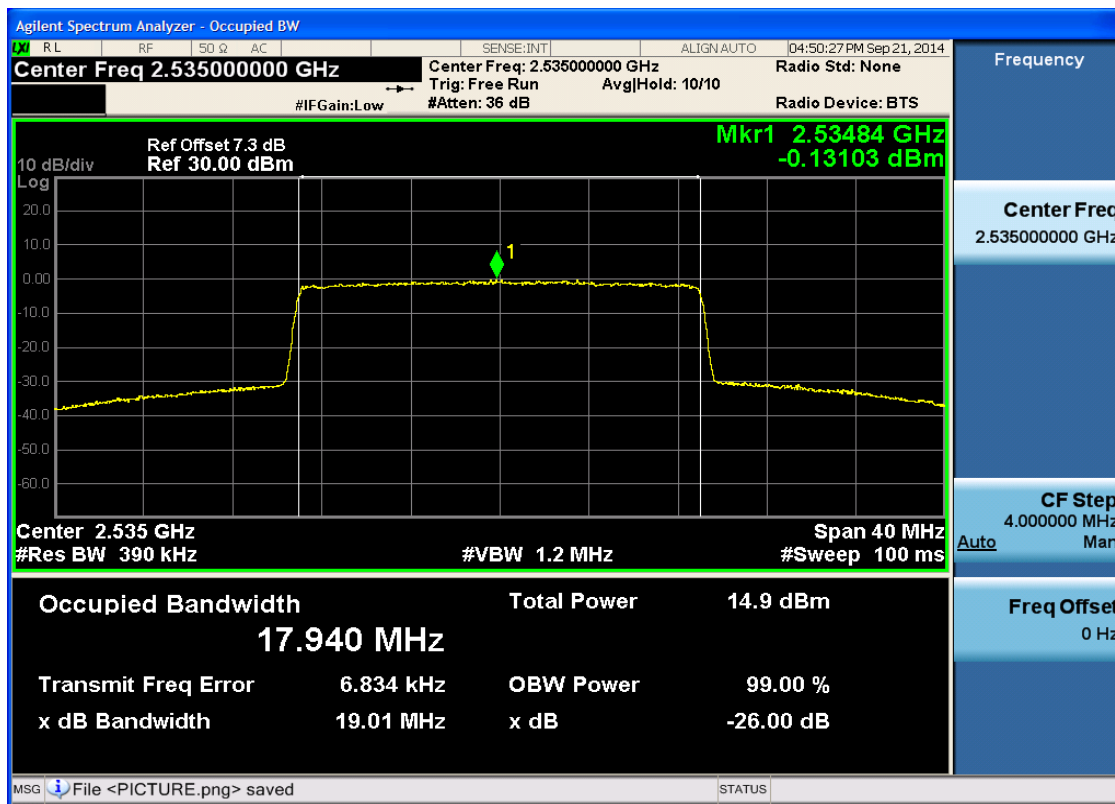
4.2.1.2.4.1.1 Test RB = RB100#0





4.2.1.2.4.2 Test Channel = MCH

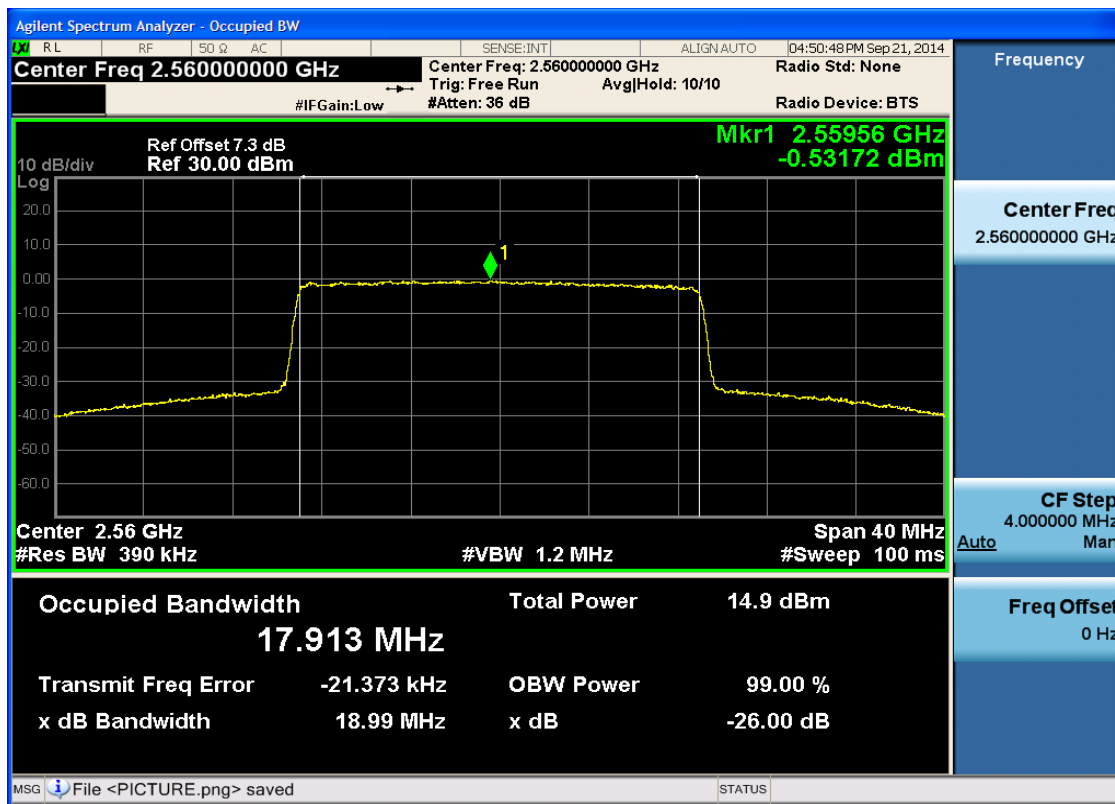
4.2.1.2.4.2.1 Test RB = RB100#0





4.2.1.2.4.3 Test Channel = HCH

4.2.1.2.4.3.1 Test RB = RB100#0



5Appendix_E: Band Edges Compliance

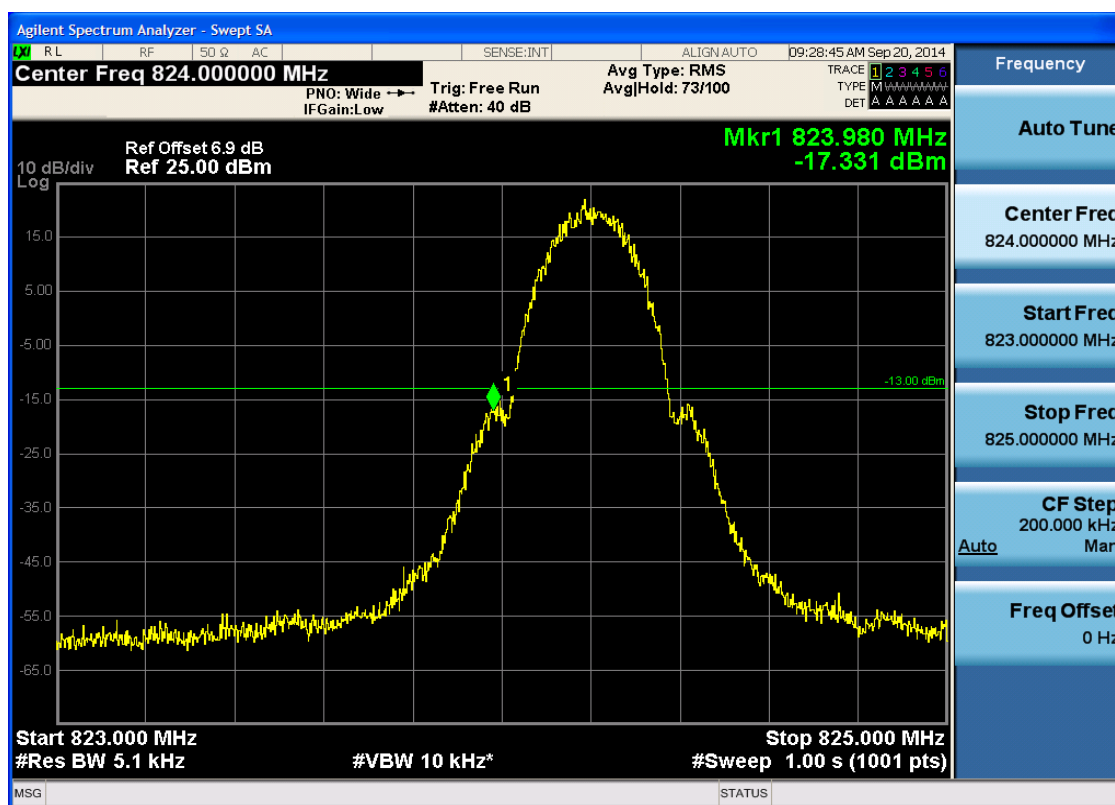
Part I - Test Plots

5.1 For GSM

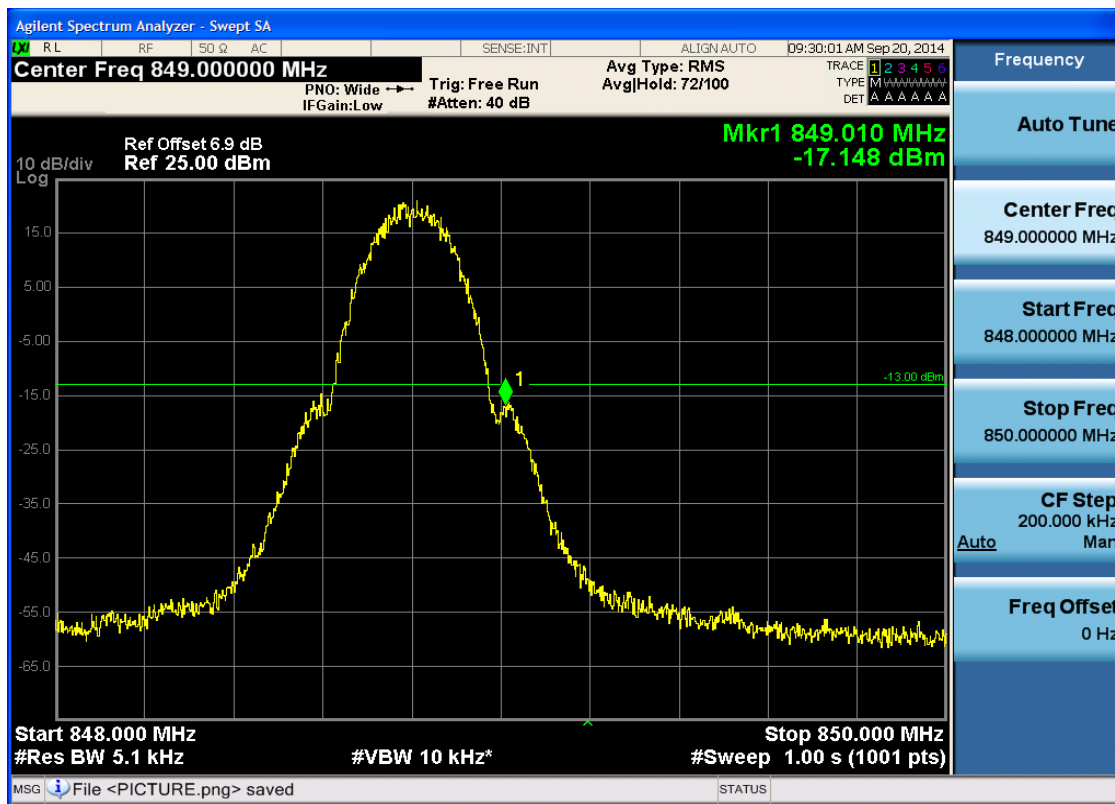
5.1.1 Test Band = GSM850

5.1.1.1 Test Mode = GSM/TM1

5.1.1.1.1 Test Channel = LCH

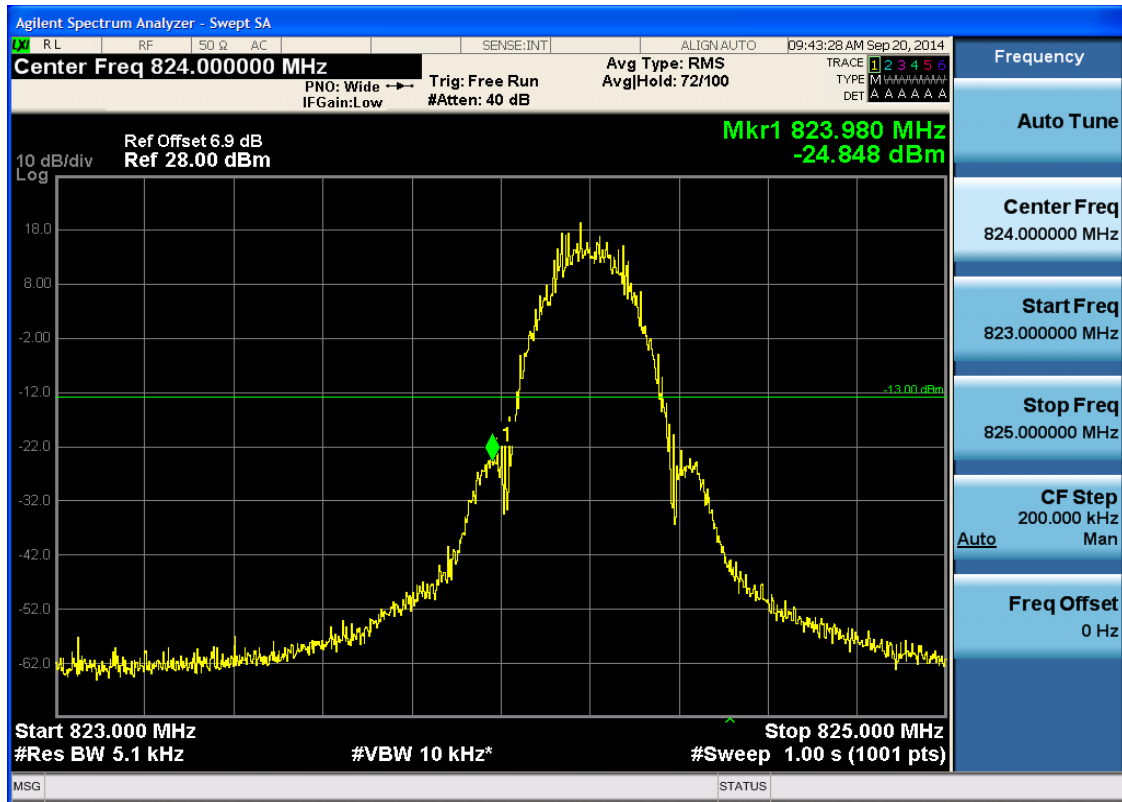


5.1.1.1.2 Test Channel = HCH

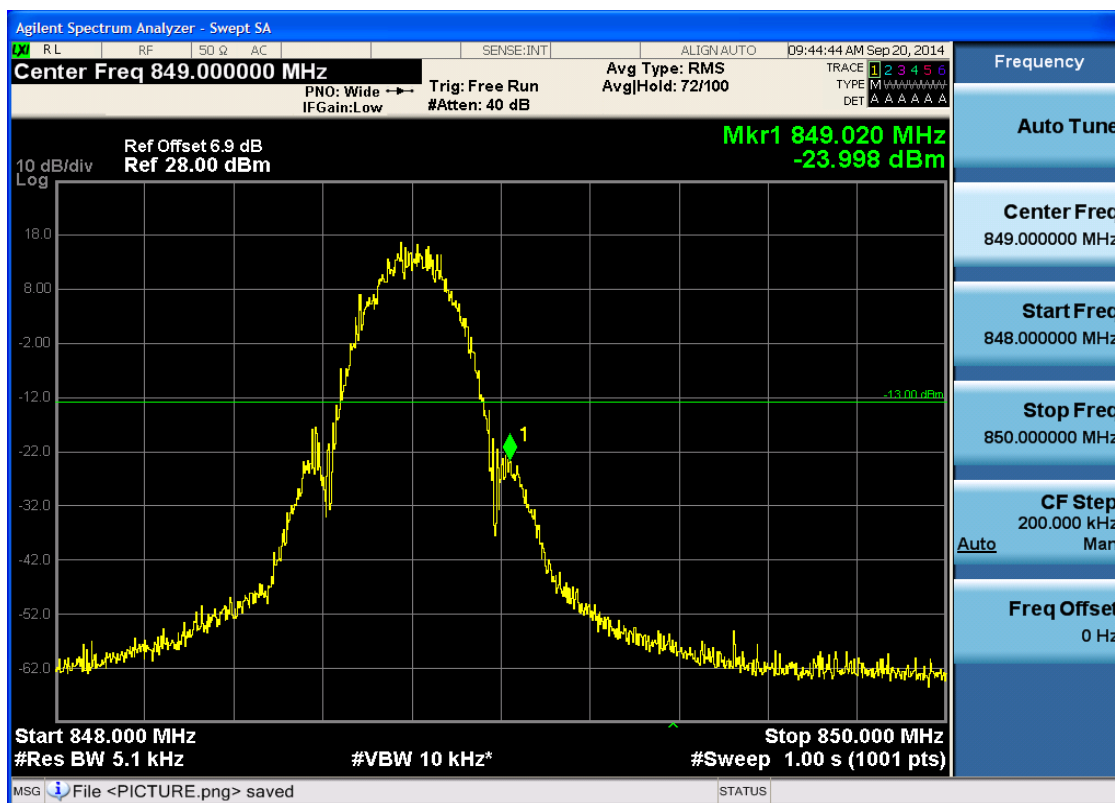




5.1.1.2.1 Test Channel = LCH



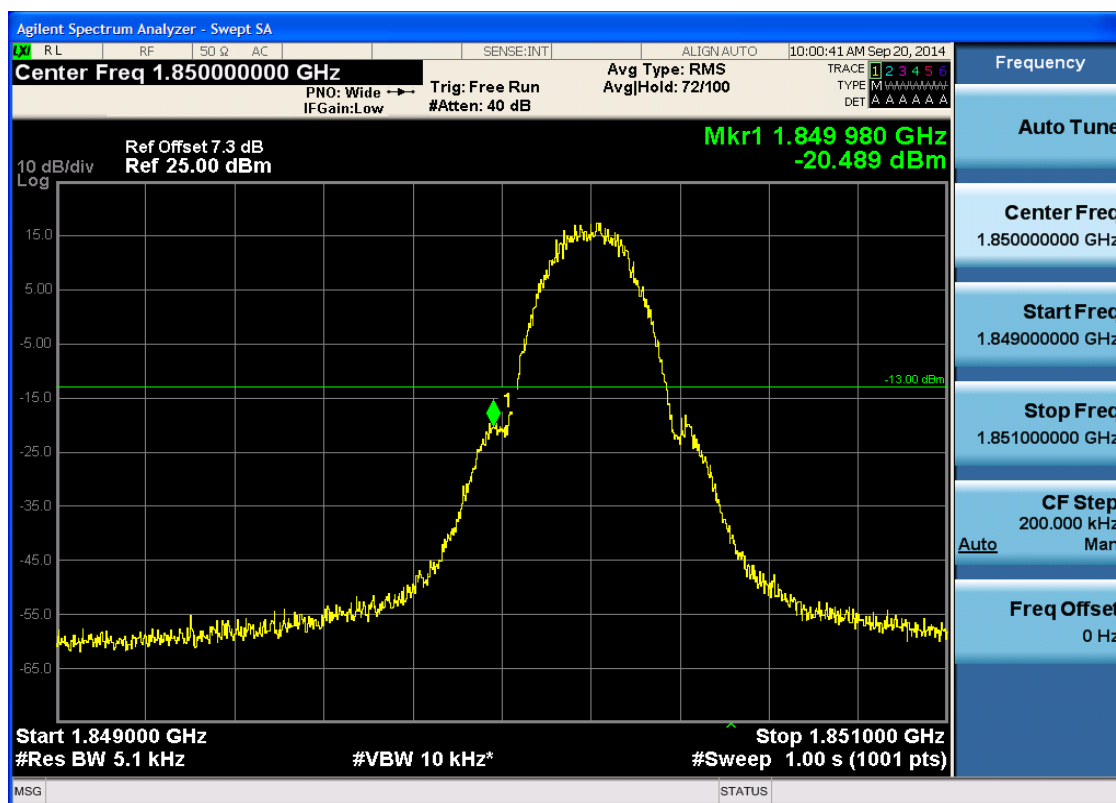
5.1.1.2.2 Test Channel = HCH



5.1.2 Test Band = GSM1900

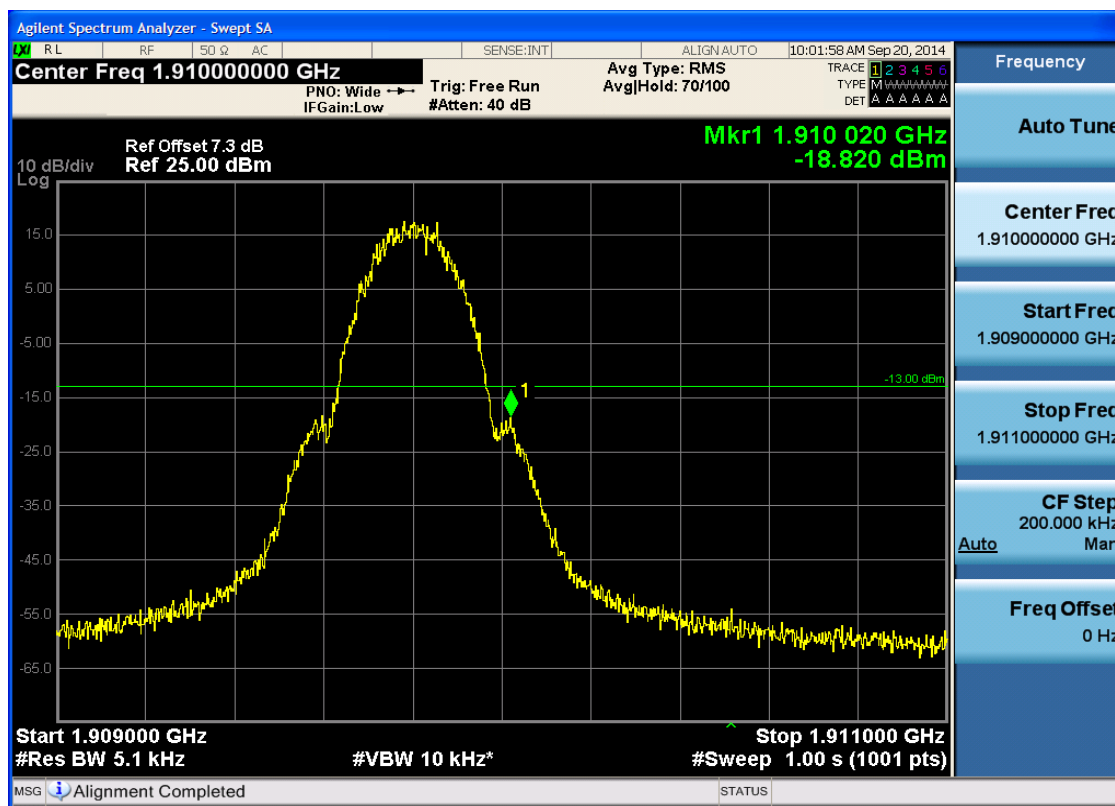
5.1.2.1 Test Mode = GSM/TM1

5.1.2.1.1 Test Channel = LCH



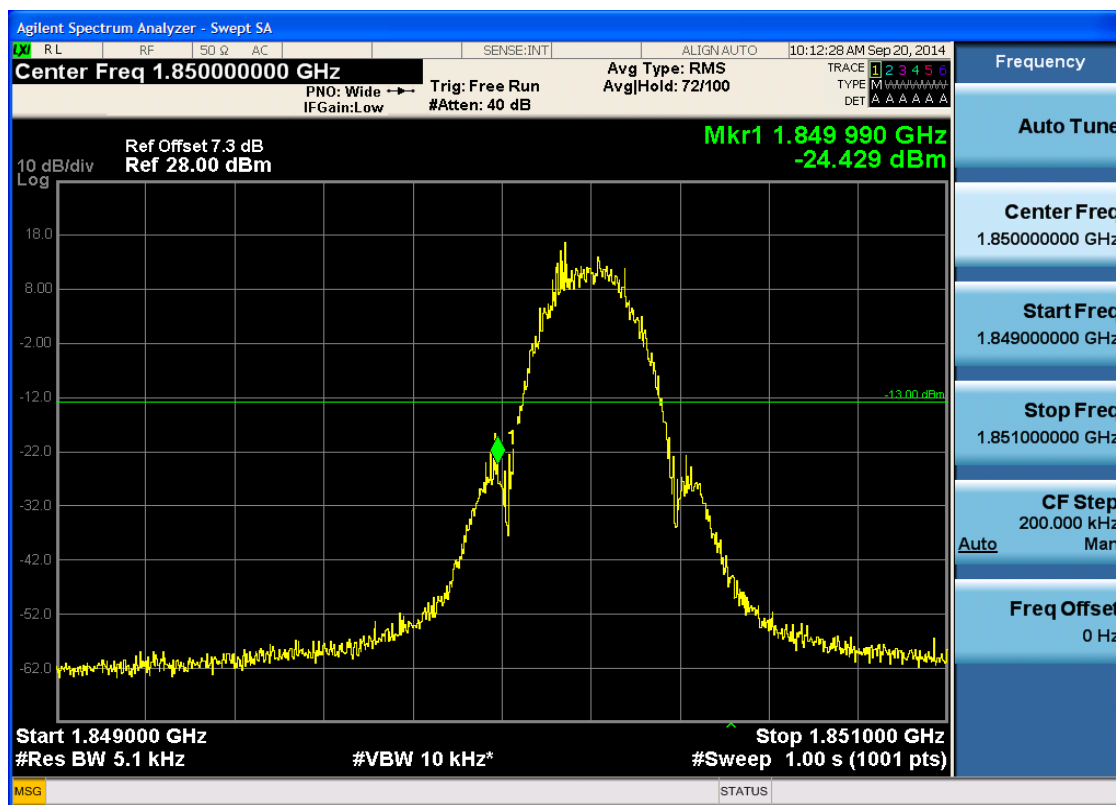


5.1.2.1.2 Test Channel = HCH

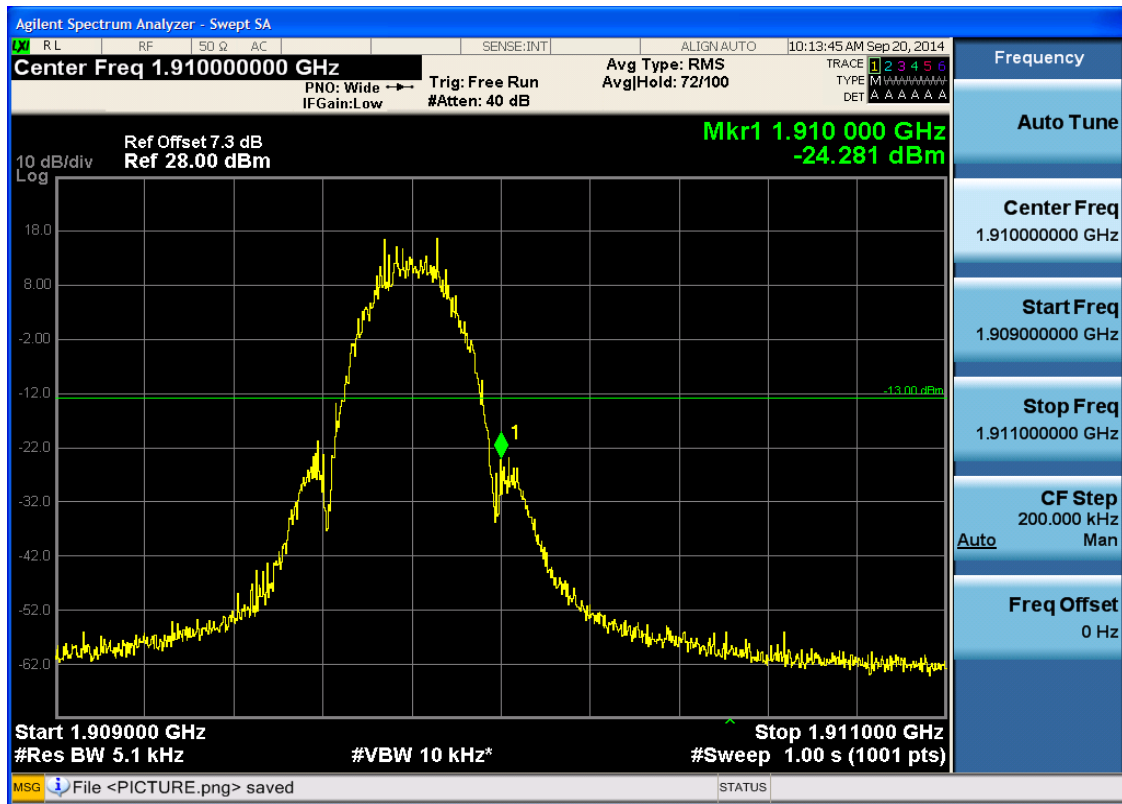


5.1.2.2 Test Mode = GSM/TM2

5.1.2.2.1 Test Channel = LCH



5.1.2.2.2 Test Channel = HCH



5.2 For LTE

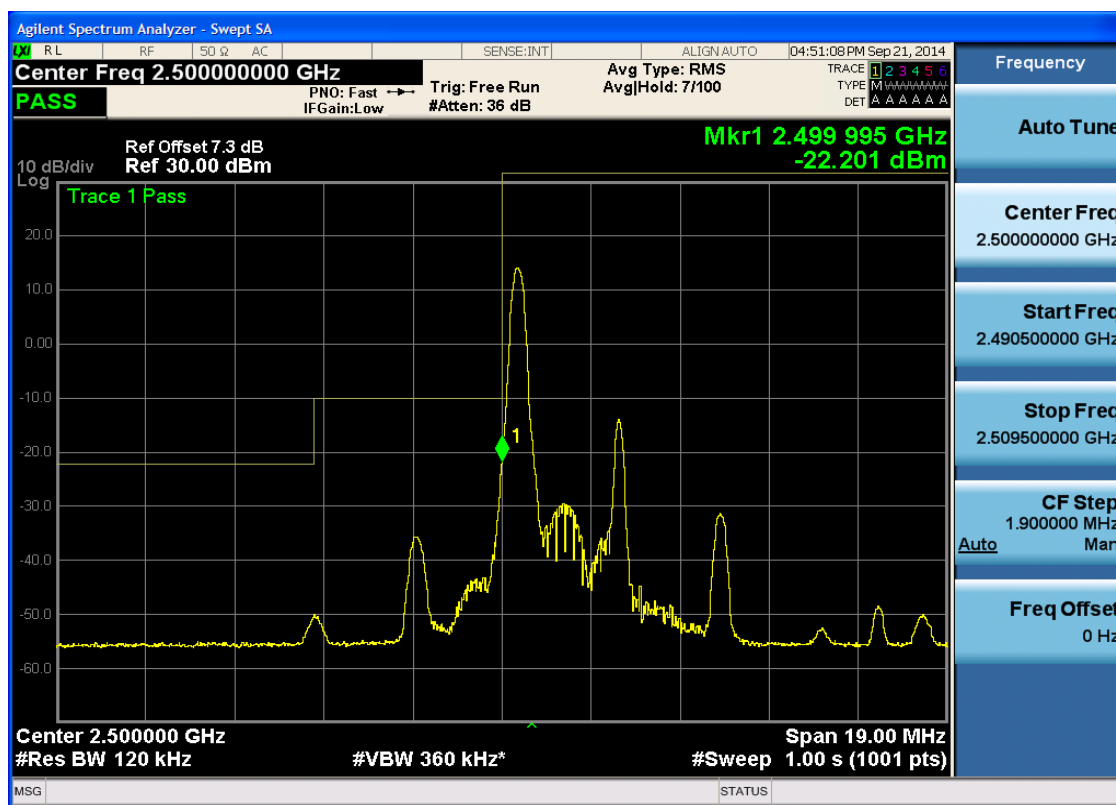
5.2.1 Test Band = BAND7

5.2.1.1 Test Mode = LTE/TM1

5.2.1.1.1 Test Bandwidth = 5

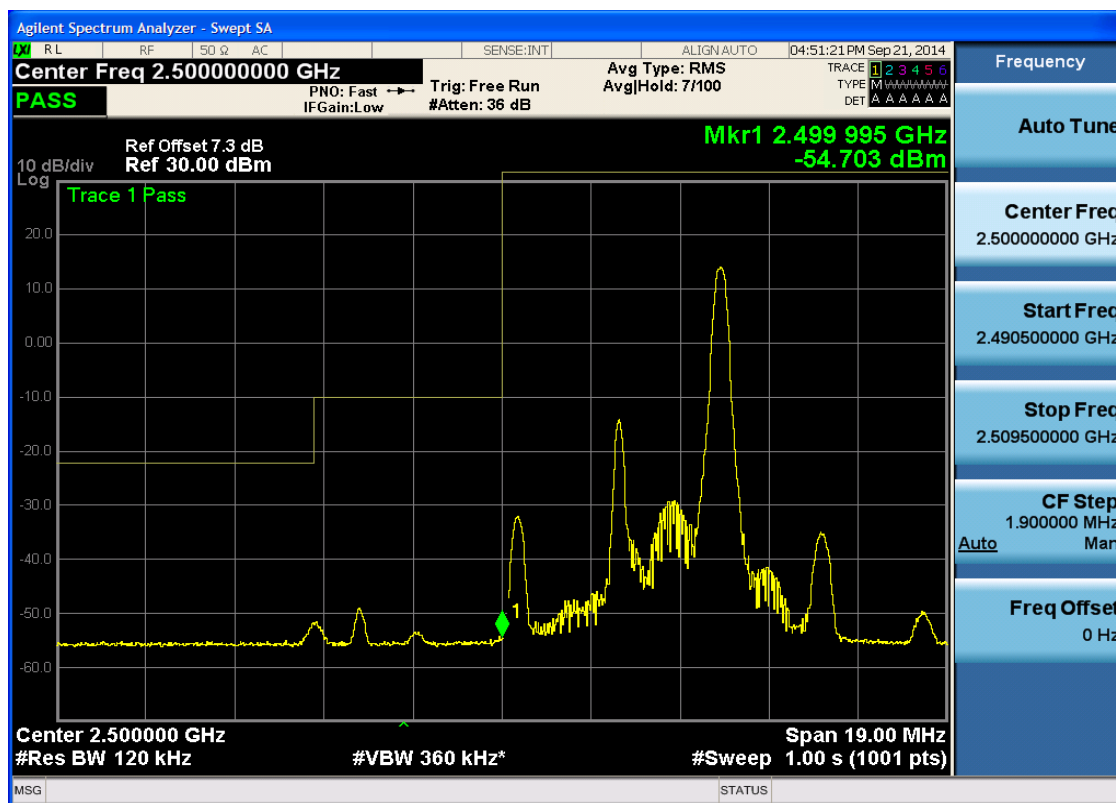
5.2.1.1.1.1 Test Channel = LCH

5.2.1.1.1.1.1 Test RB = RB1#0



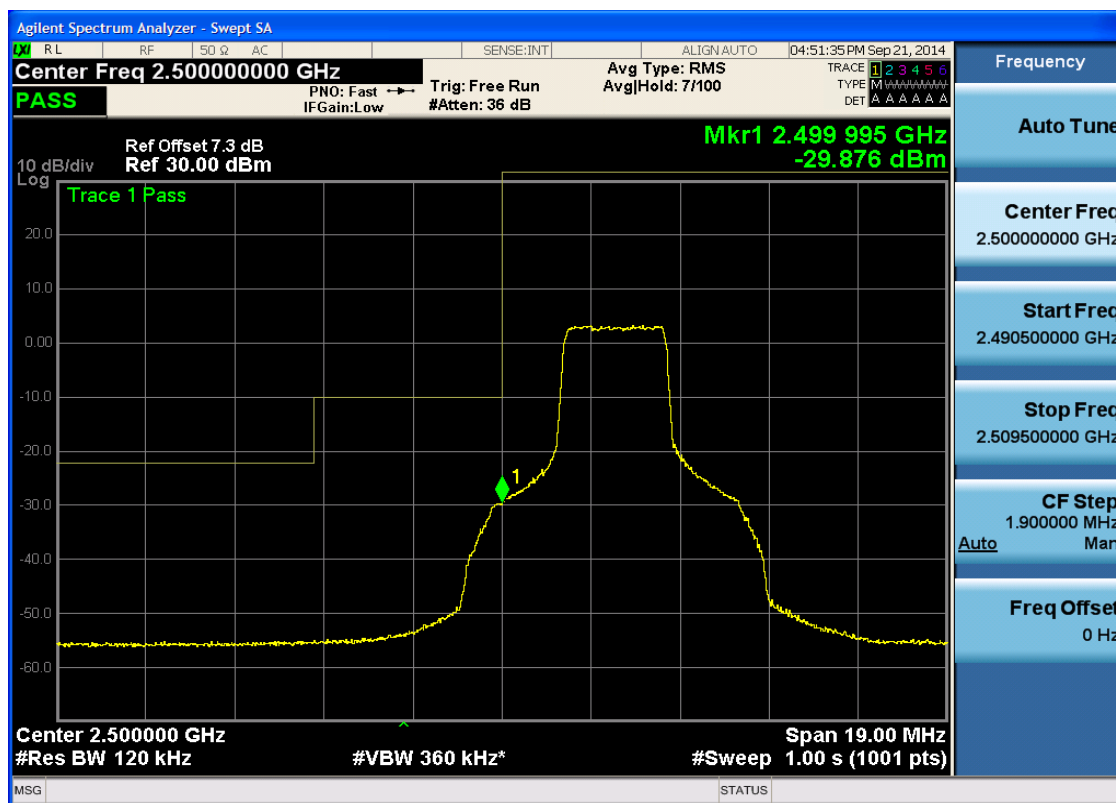


5.2.1.1.1.2 Test RB = RB1#24



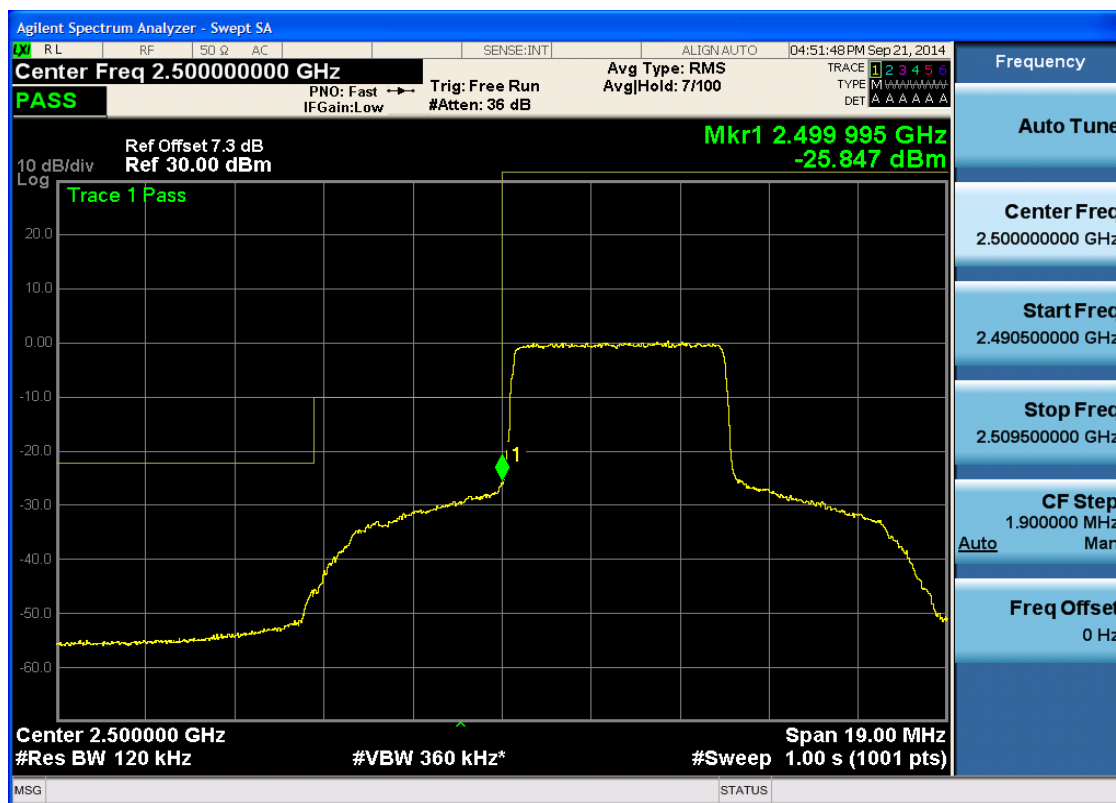


5.2.1.1.1.3 Test RB = RB12#6





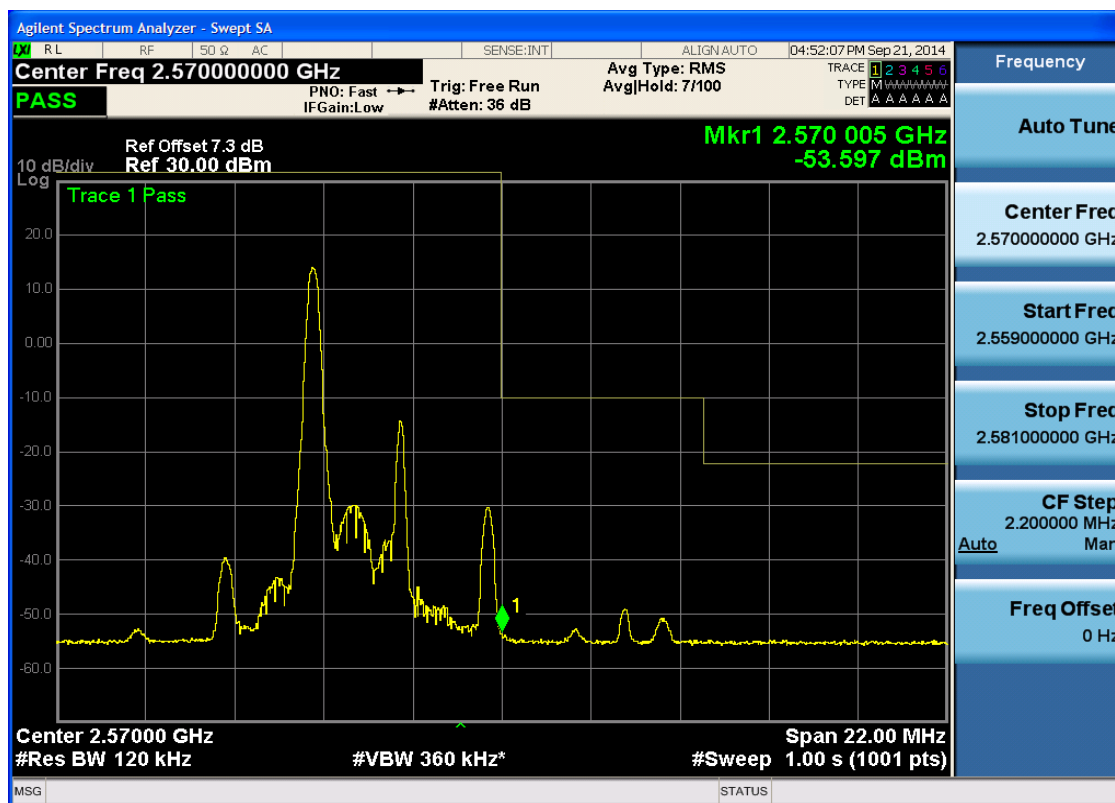
5.2.1.1.1.4 Test RB = RB25#0





5.2.1.1.1.2 Test Channel = HCH

5.2.1.1.1.2.1 Test RB = RB1#0

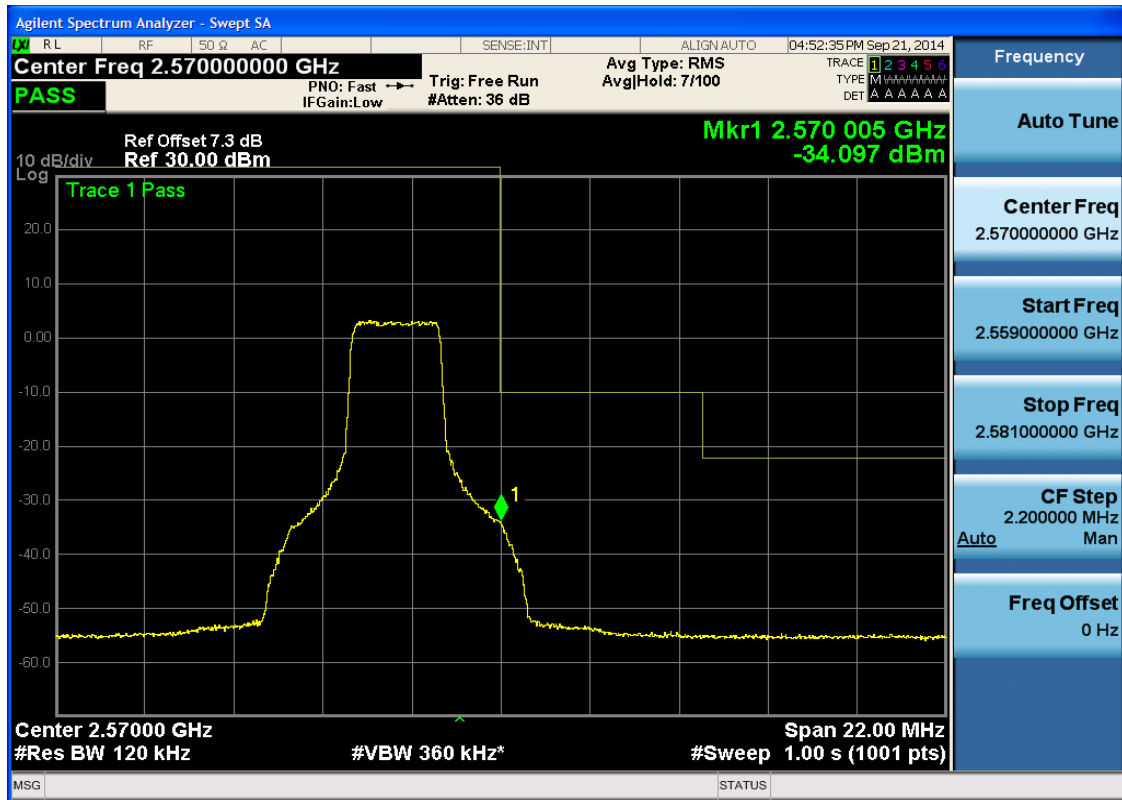




5.2.1.1.1.2.2 Test RB = RB1#24



5.2.1.1.1.2.3 Test RB = RB12#6





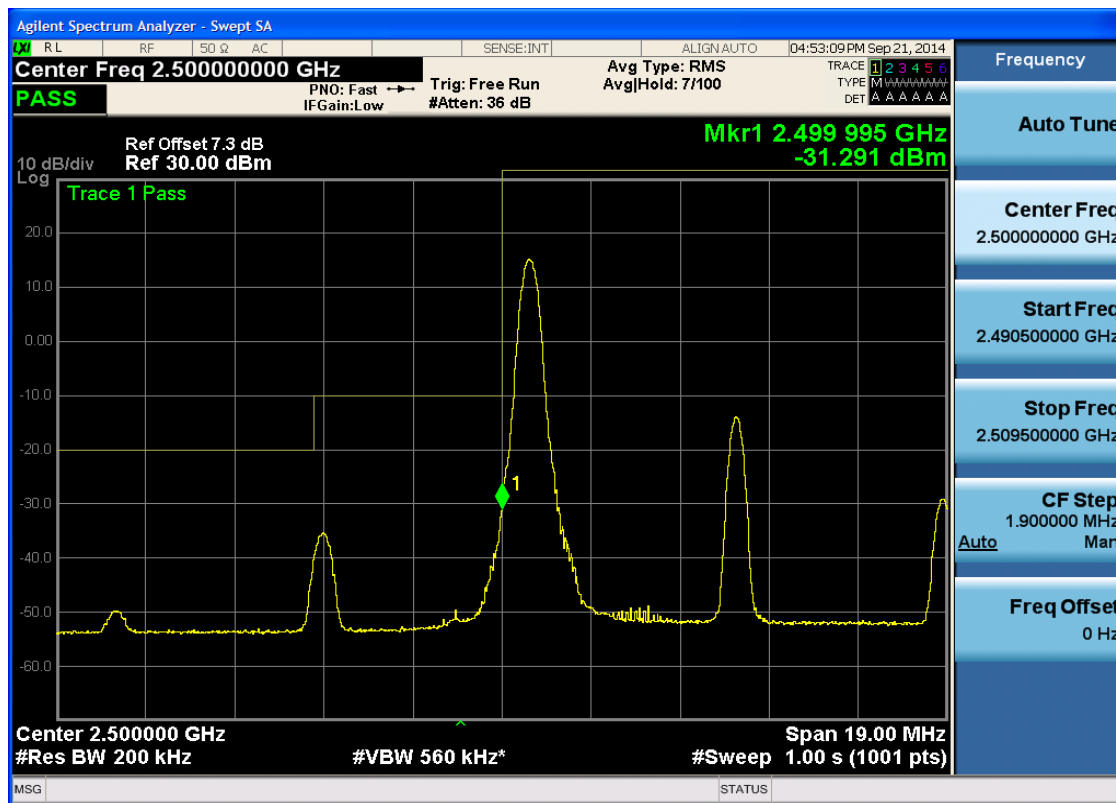
5.2.1.1.1.2.4 Test RB = RB25#0



5.2.1.1.2 Test Bandwidth = 10

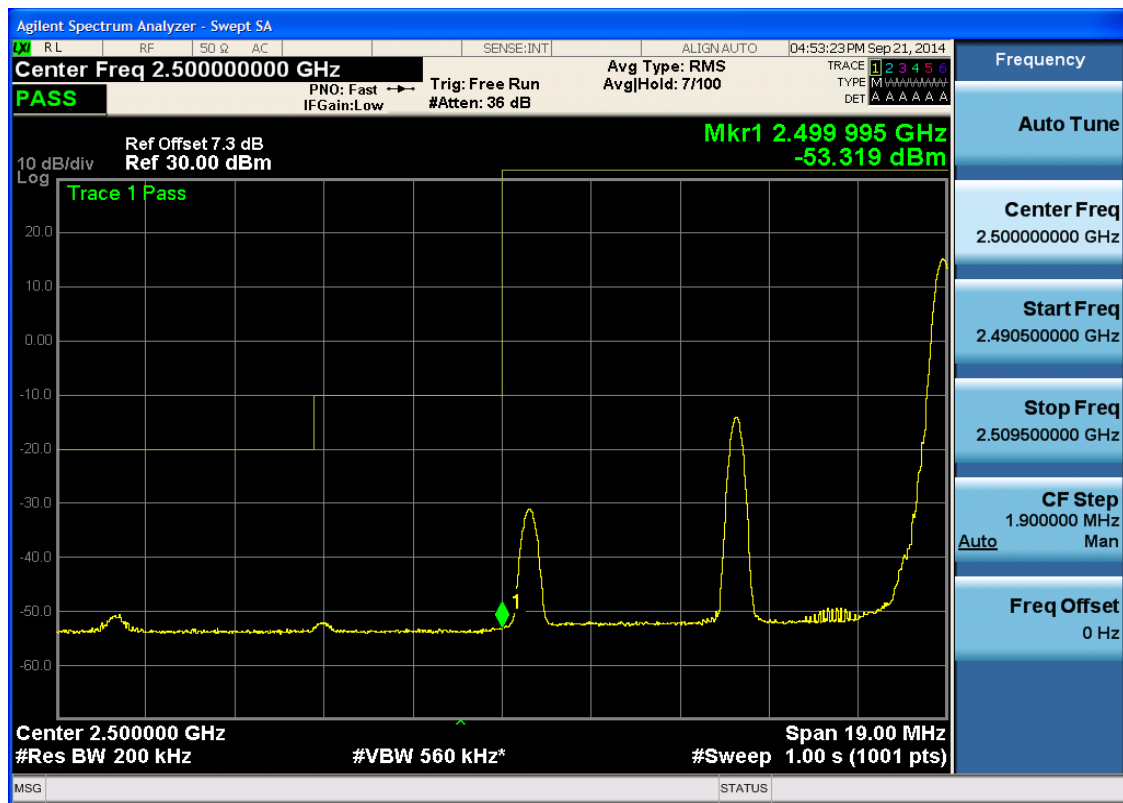
5.2.1.1.2.1 Test Channel = LCH

5.2.1.1.2.1.1 Test RB = RB1#0





5.2.1.1.2.1.2 Test RB = RB1#49





Agilent Spectrum Analyzer - Swept SA

☒ R L RF 50 Ω AC SENSE:INT ALIGN:AUTO 04:53:37 PM Sep 21, 2014

Center Freq 2.500000000 GHz Avg Type: RMS TRAC 1 2 3 4 5 6
PASS PNO: Fast → Trig: Free Run Avg|Hold: 7/100 TYPE M W W W W W W W W W
 IF Gain: Low #Atten: 36 dB DET A A A A A A

Ref Offset 7.3 dB **Mkr1 2.499 995 GHz**
 Ref 30.00 dBm **-30.864 dBm**

10 dB/div
Log

Trace 1 Pass

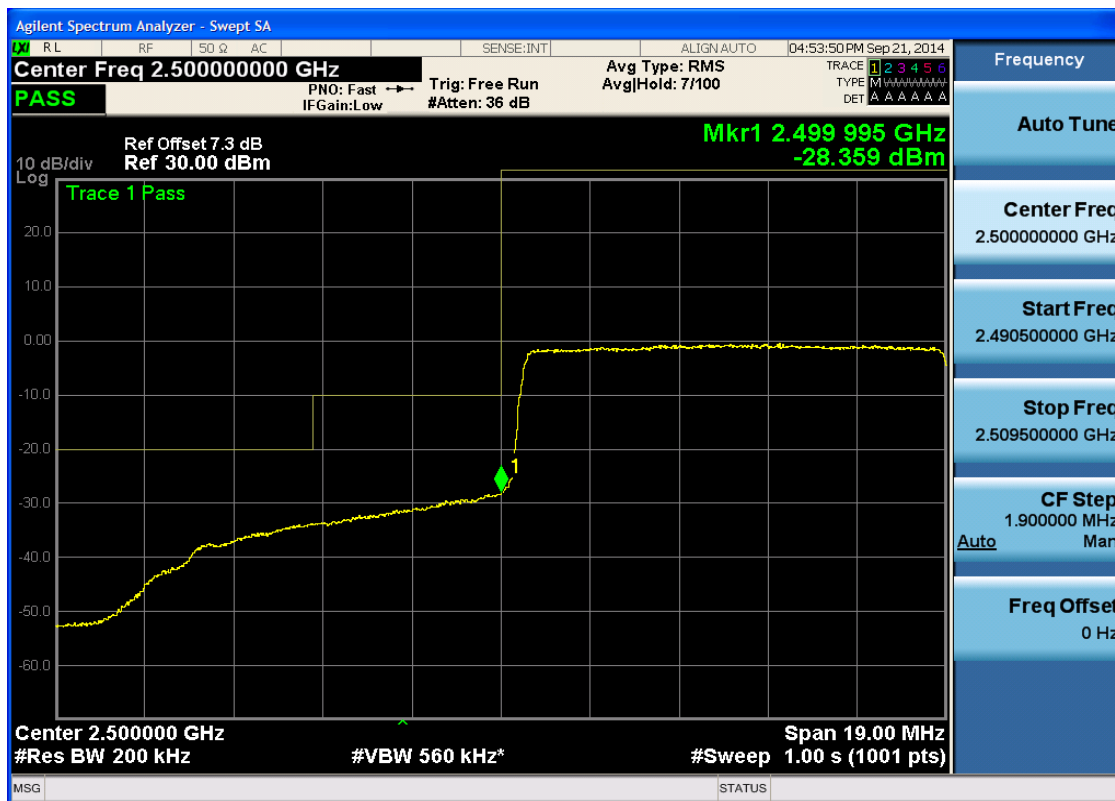
Center 2.500000 GHz Span 19.00 MHz
 #Res BW 200 kHz #VBW 560 kHz* #Sweep 1.00 s (1001 pts)

MSG STATUS

Frequency
 Auto Tune
 Center Freq
 2.500000000 GHz
 Start Freq
 2.490500000 GHz
 Stop Freq
 2.509500000 GHz
 CF Step
 1.900000 MHz
 Auto Man
 Freq Offset
 0 Hz



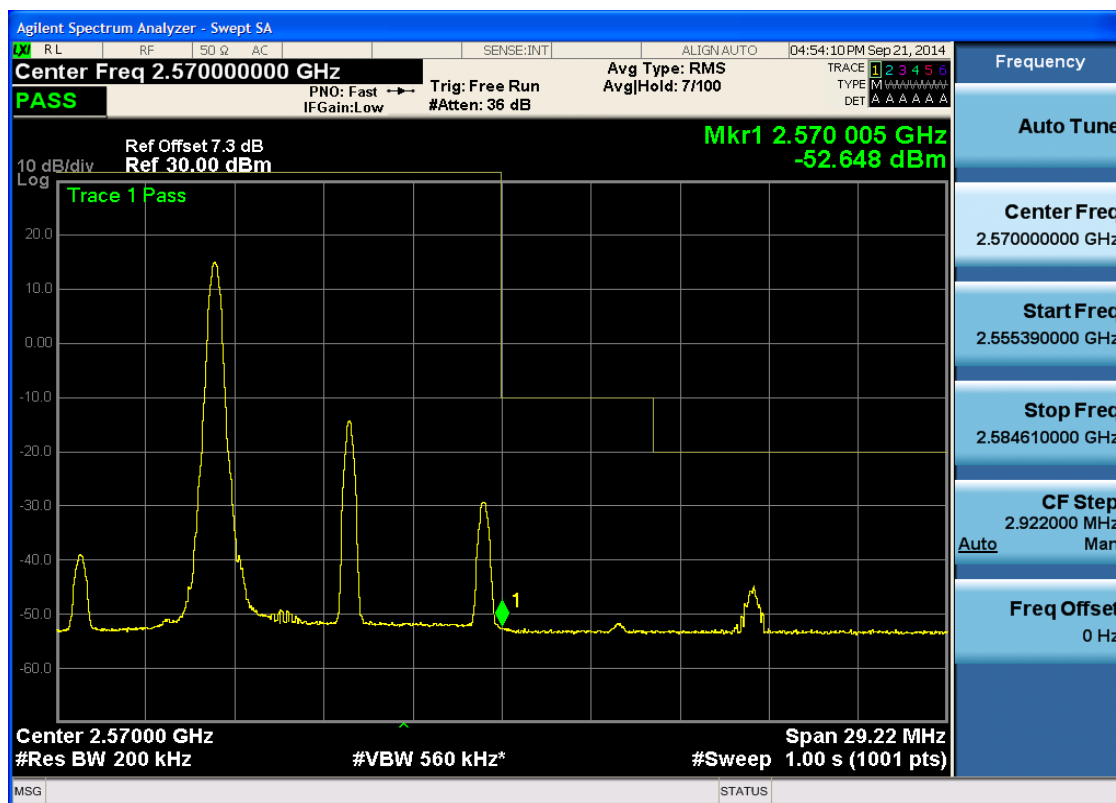
5.2.1.1.2.1.4 Test RB = RB50#0





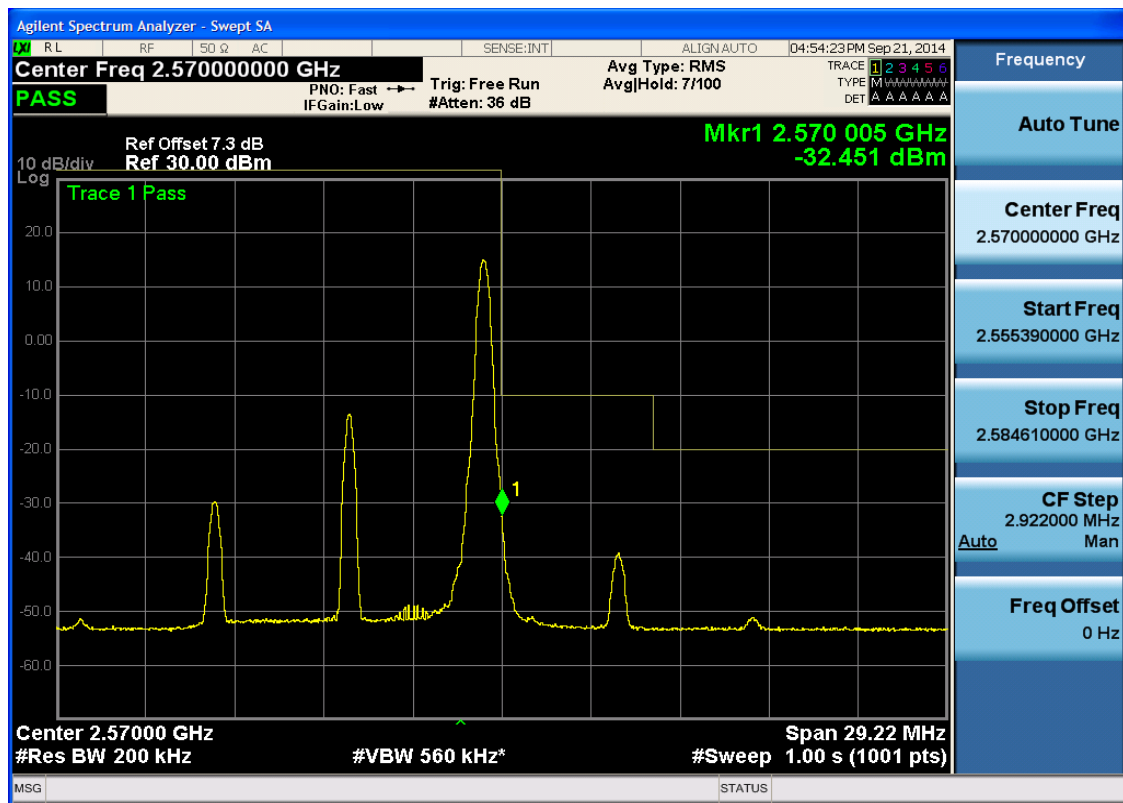
5.2.1.1.2.2 Test Channel = HCH

5.2.1.1.2.2.1 Test RB = RB1#0





5.2.1.1.2.2.2 Test RB = RB1#49





Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:INT ALIGN:AUTO 04:54:37 PM Sep 21, 2014

Center Freq 2.57000000 GHz Avg Type: RMS
#Res BW 200 kHz #Sweep 1.00 s (1001 pts)

PASS PNO: Fast Trig: Free Run IFGain:Low #Atten: 36 dB

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

Frequency

Auto Tune

Center Freq 2.57000000 GHz

Start Freq 2.555390000 GHz

Stop Freq 2.584610000 GHz

CF Step 2.922000 MHz

Auto

Freq Offset 0 Hz

Ref Offset 7.3 dB
Ref 30.00 dBm

Mkr1 2.570 005 GHz
-34.925 dBm

10 dB/div
Log

Trace 1 Pass

Center 2.57000 GHz Span 29.22 MHz
#Res BW 200 kHz #VBW 560 kHz*
MSG STATUS



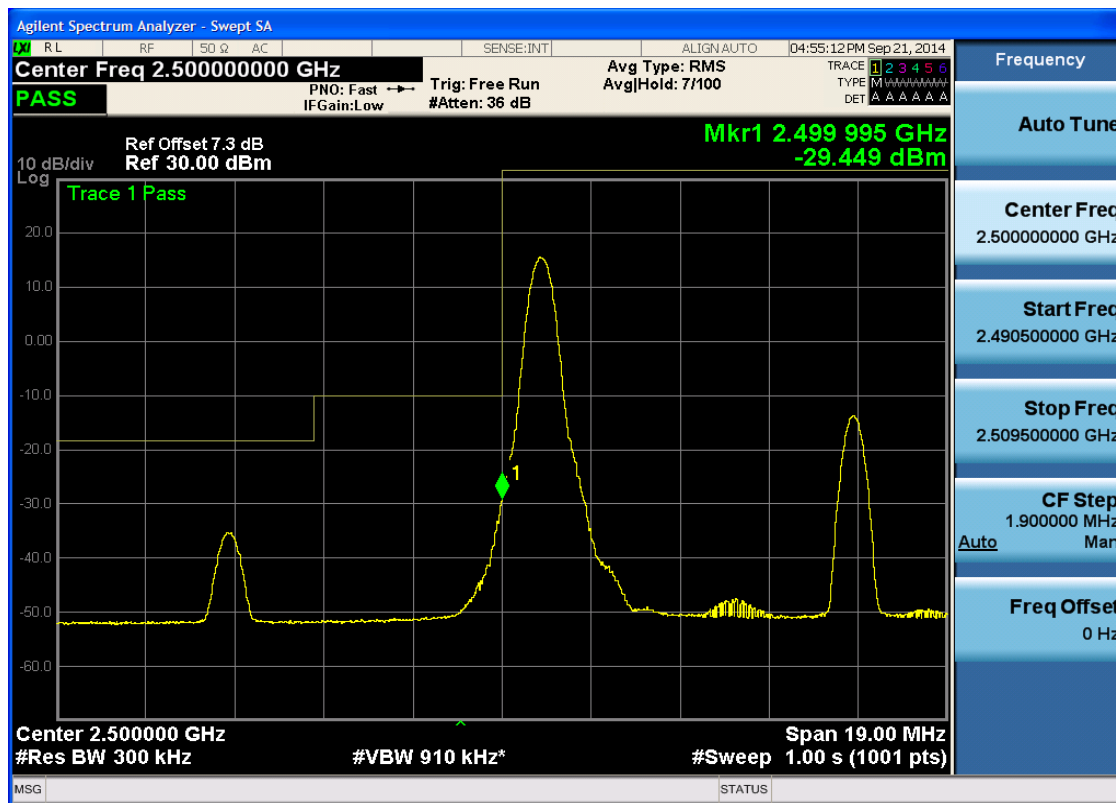
5.2.1.1.2.2.4 Test RB = RB50#0



5.2.1.1.3 Test Bandwidth = 15

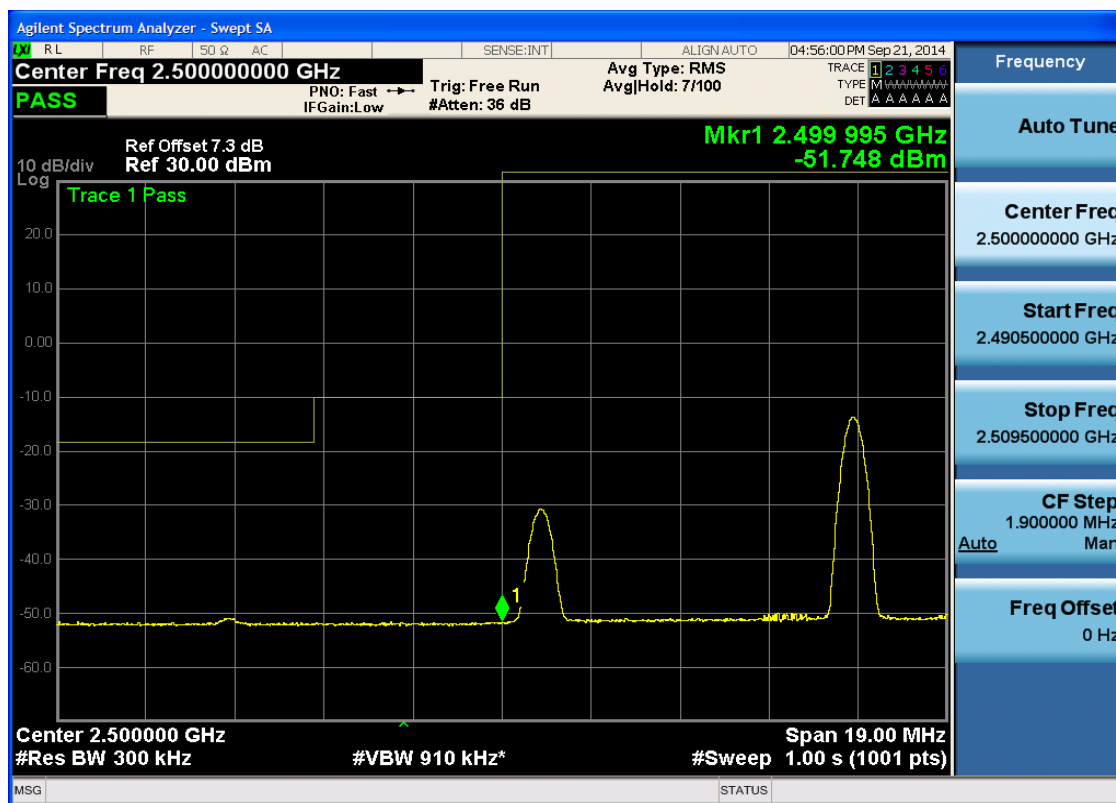
5.2.1.1.3.1 Test Channel = LCH

5.2.1.1.3.1.1 Test RB = RB1#0



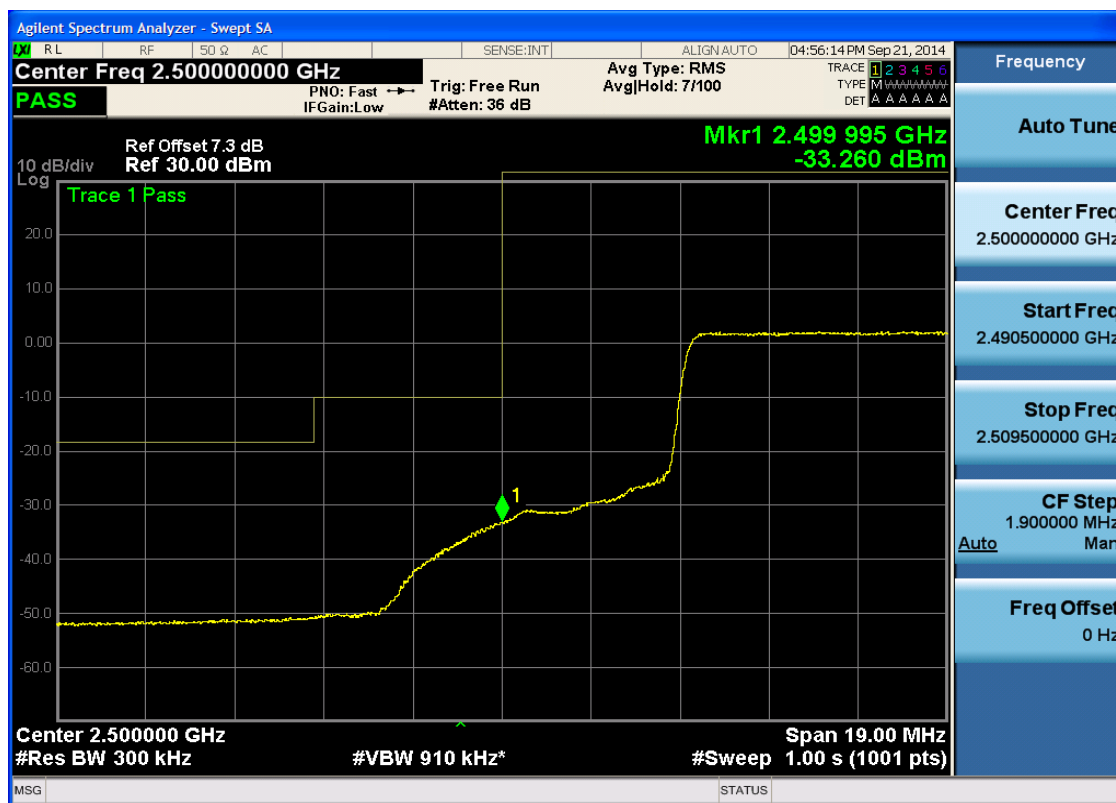


5.2.1.1.3.1.2 Test RB = RB1#74



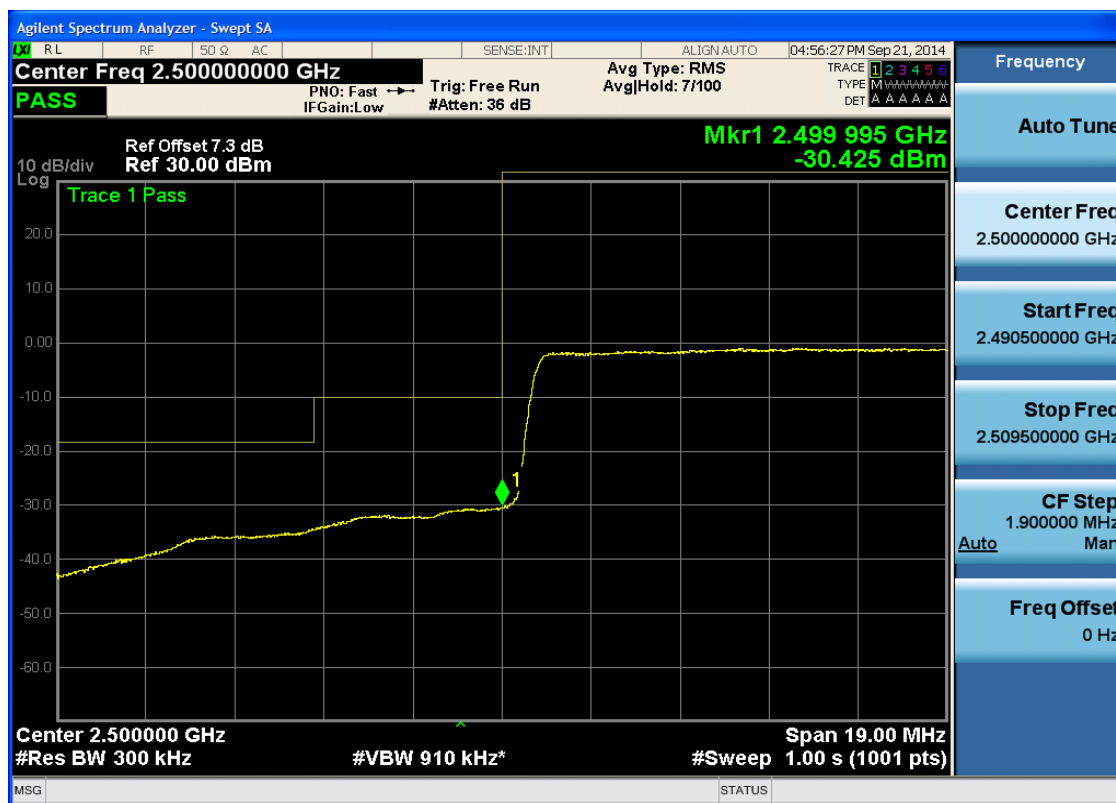


5.2.1.1.3.1.3 Test RB = RB36#18





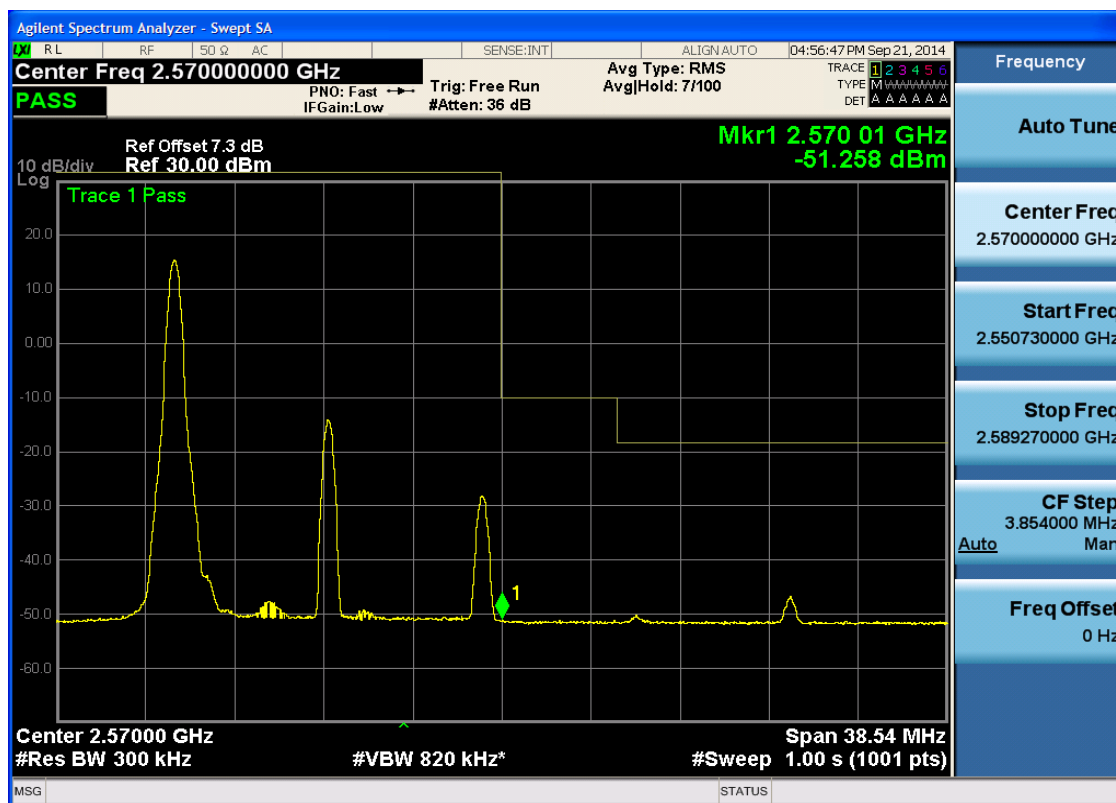
5.2.1.1.3.1.4 Test RB = RB75#0





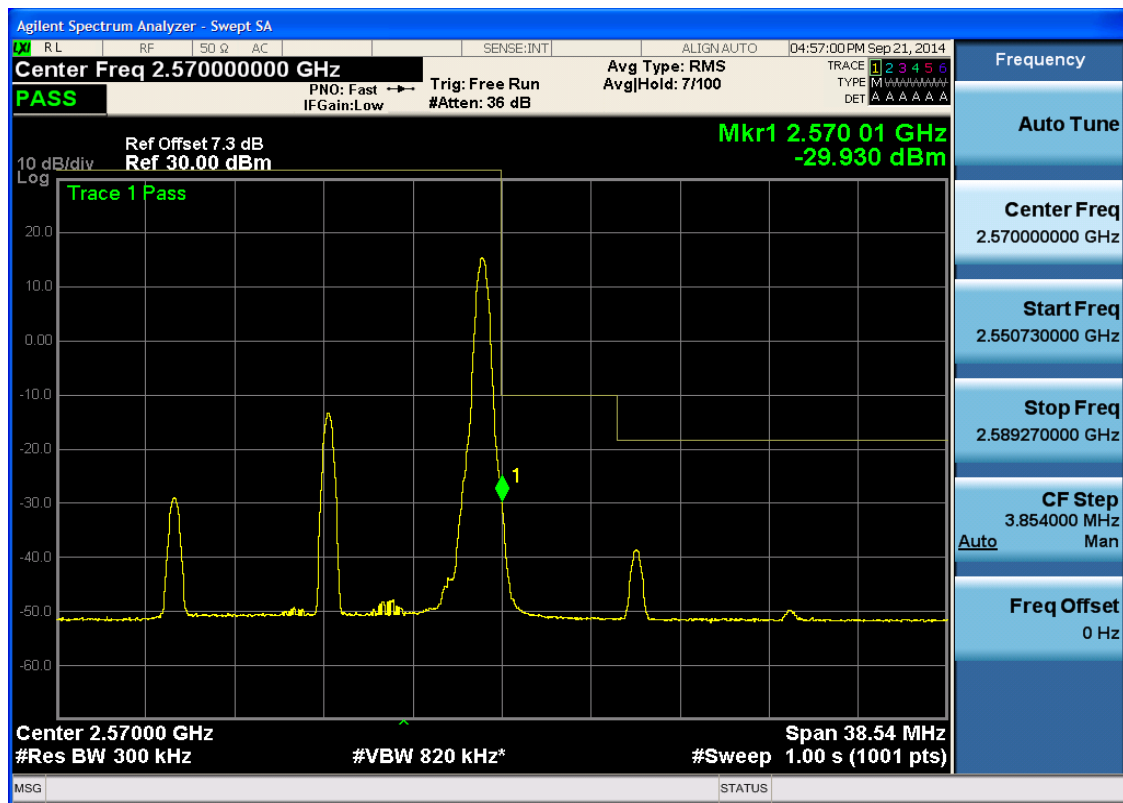
5.2.1.1.3.2 Test Channel = HCH

5.2.1.1.3.2.1 Test RB = RB1#0

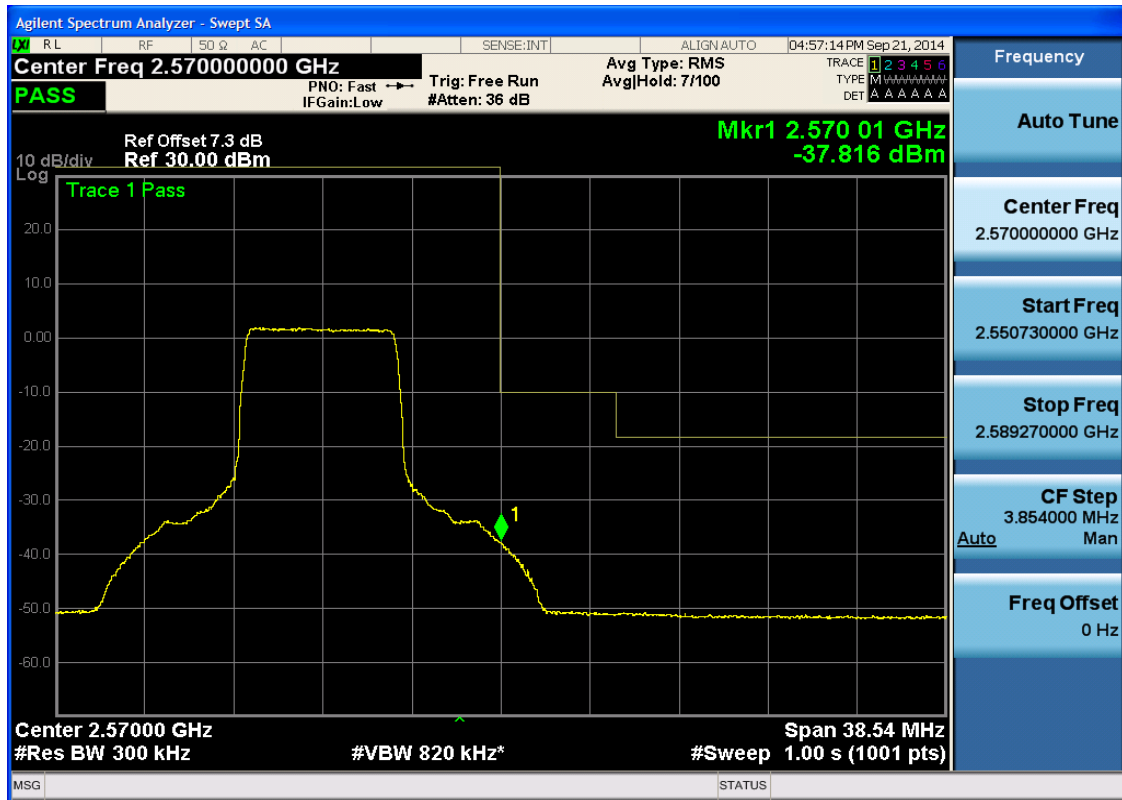




5.2.1.1.3.2.2 Test RB = RB1#74



5.2.1.1.3.2.3 Test RB = RB36#18





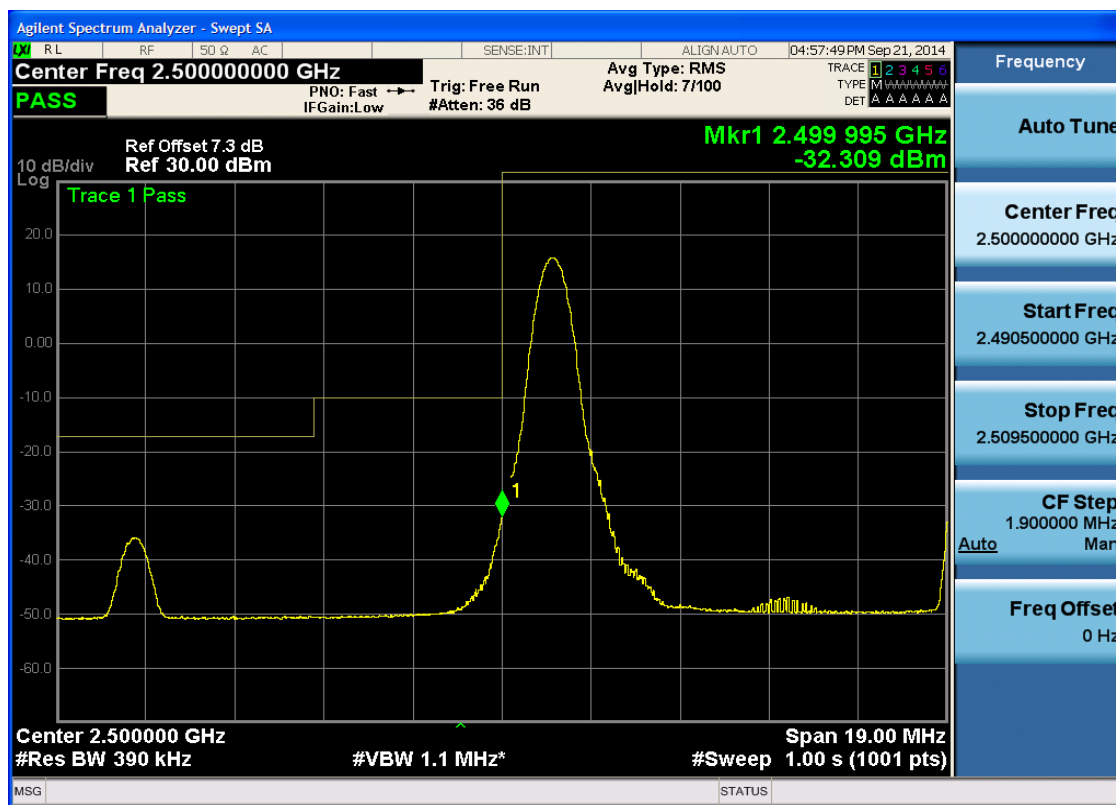
5.2.1.1.3.2.4 Test RB = RB75#0



5.2.1.1.4 Test Bandwidth = 20

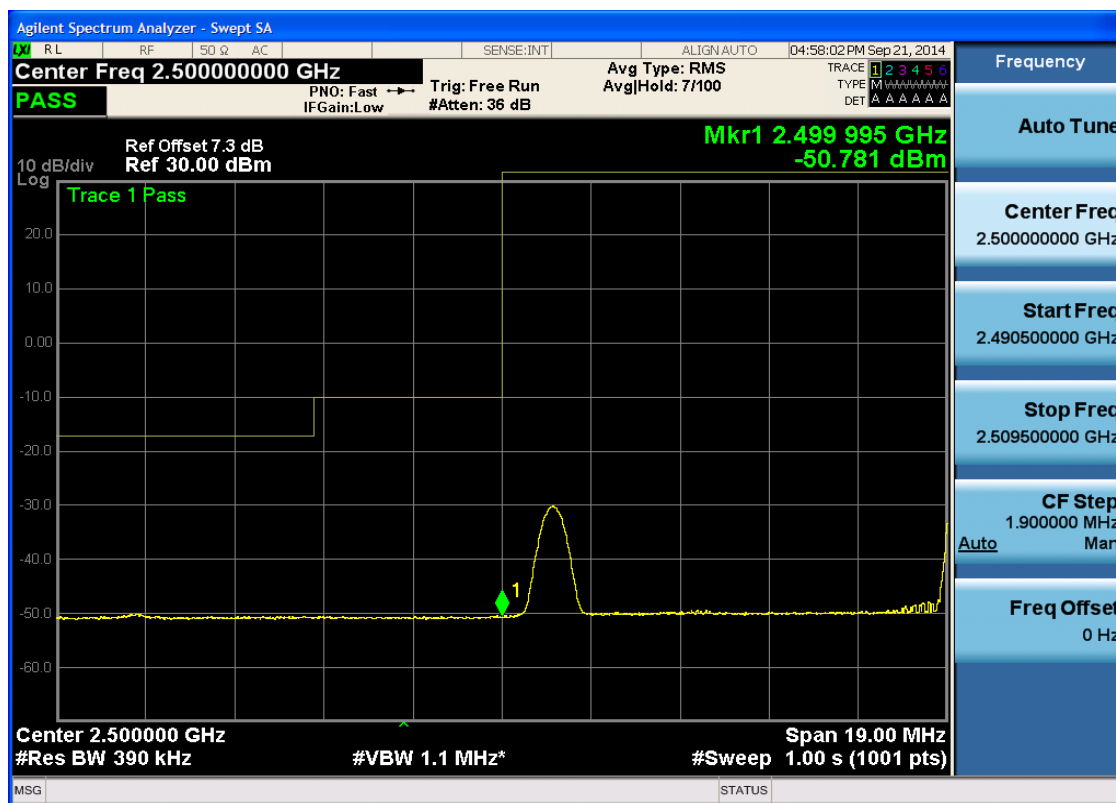
5.2.1.1.4.1 Test Channel = LCH

5.2.1.1.4.1.1 Test RB = RB1#0



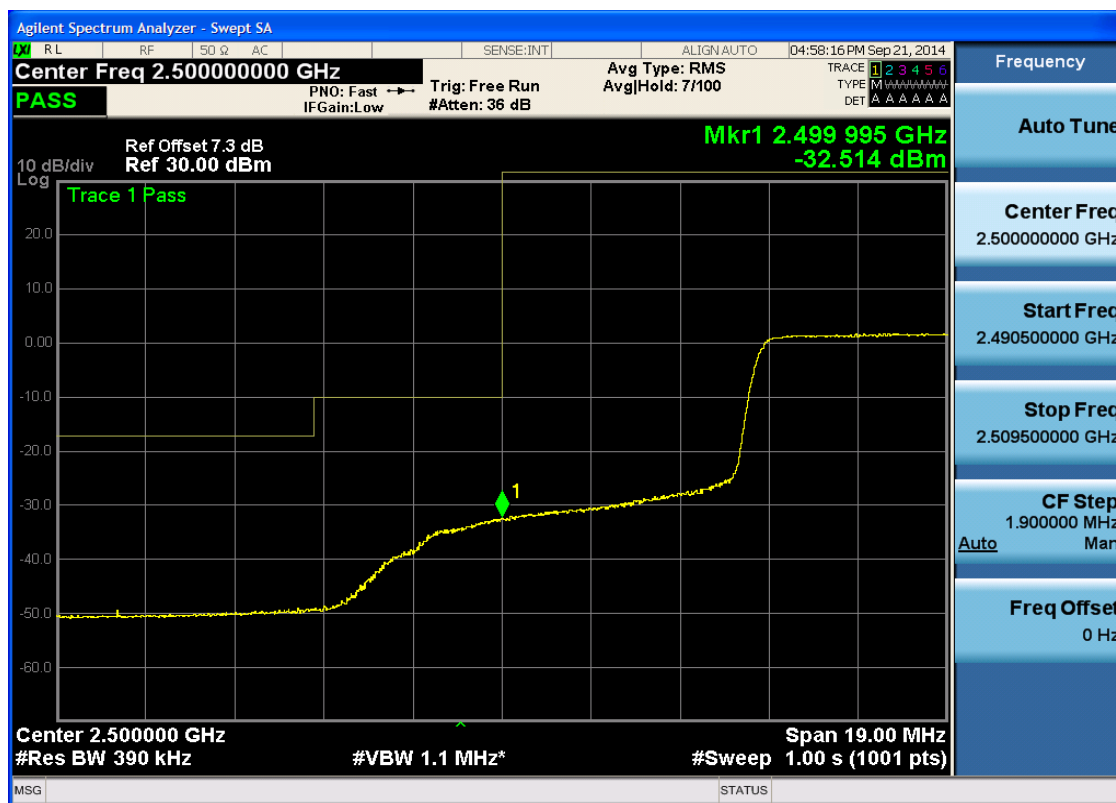


5.2.1.1.4.1.2 Test RB = RB1#99



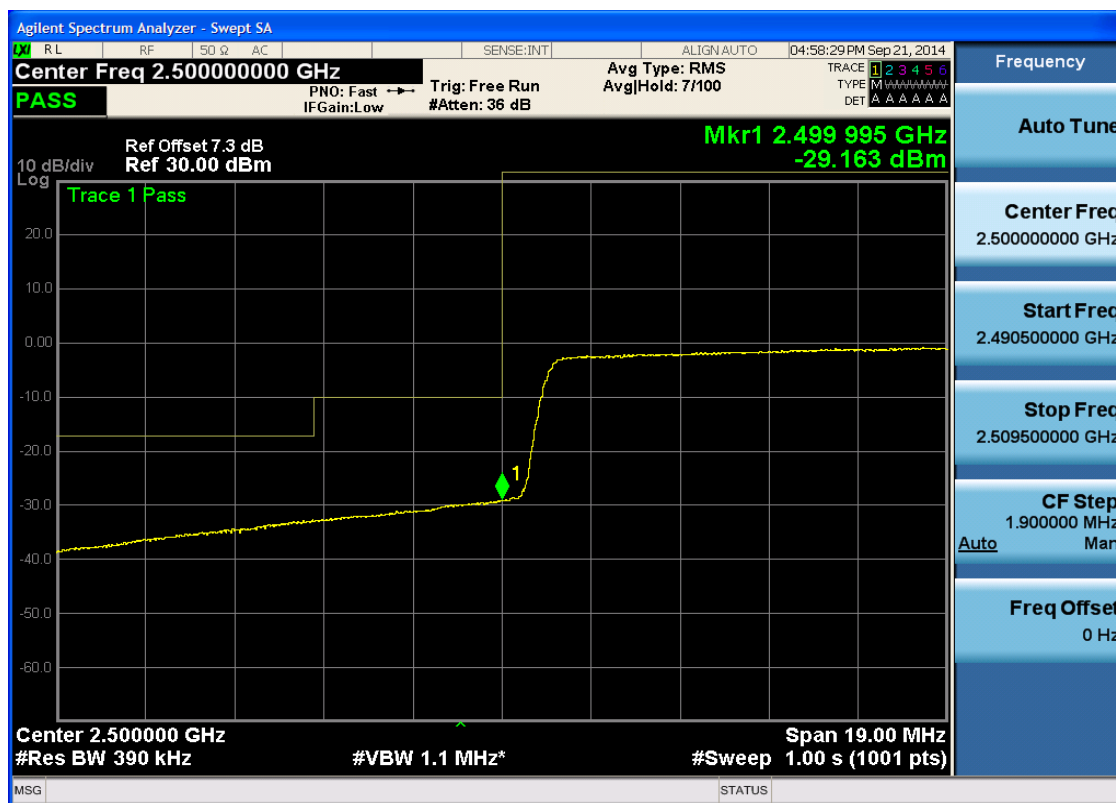


5.2.1.1.4.1.3 Test RB = RB50#25





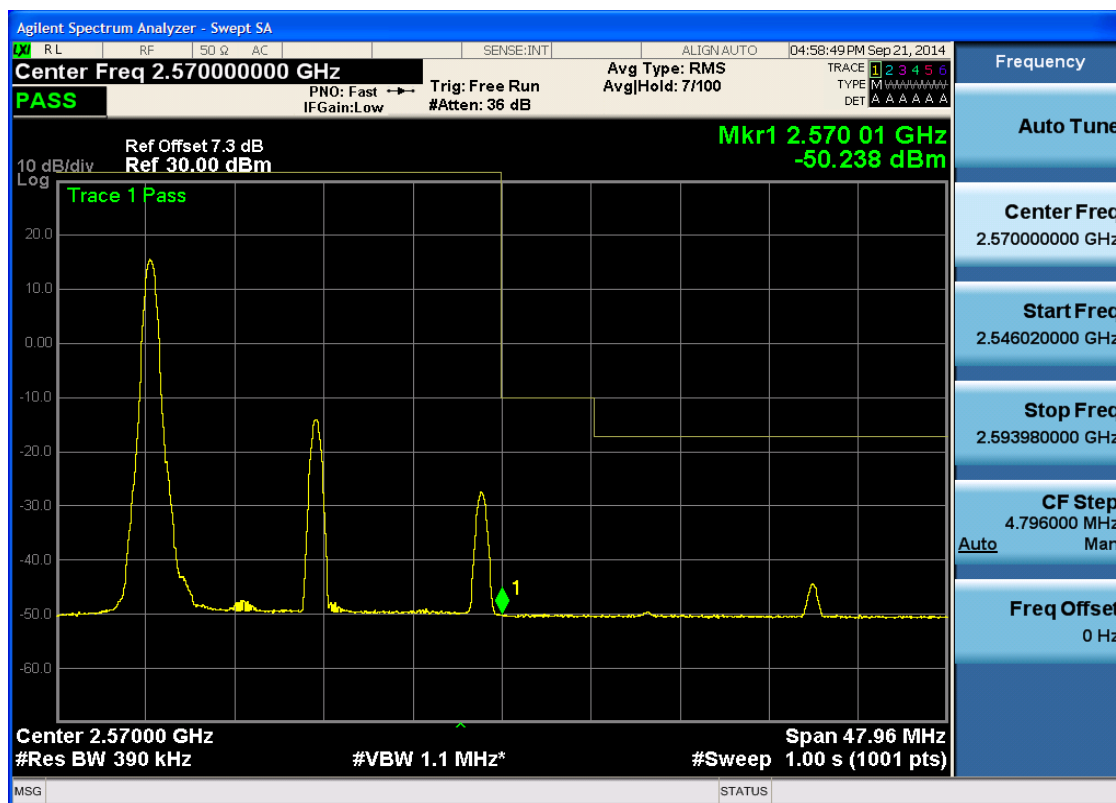
5.2.1.1.4.1.4 Test RB = RB100#0





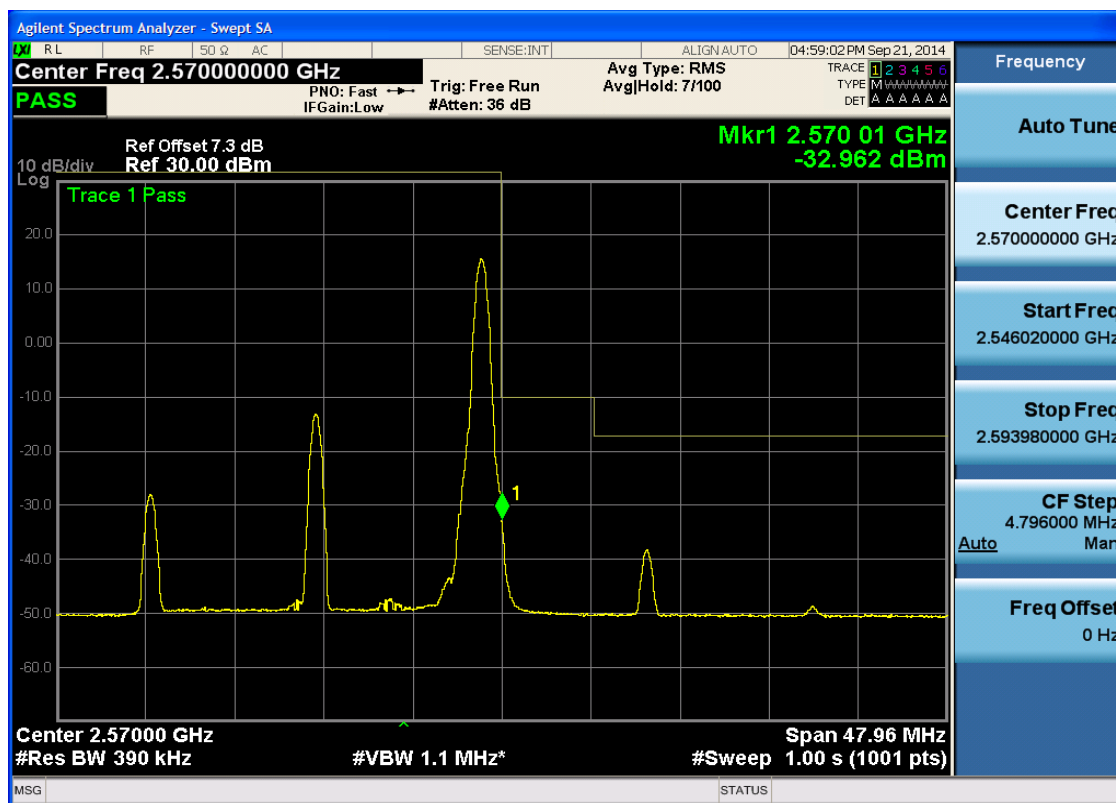
5.2.1.1.4.2 Test Channel = HCH

5.2.1.1.4.2.1 Test RB = RB1#0



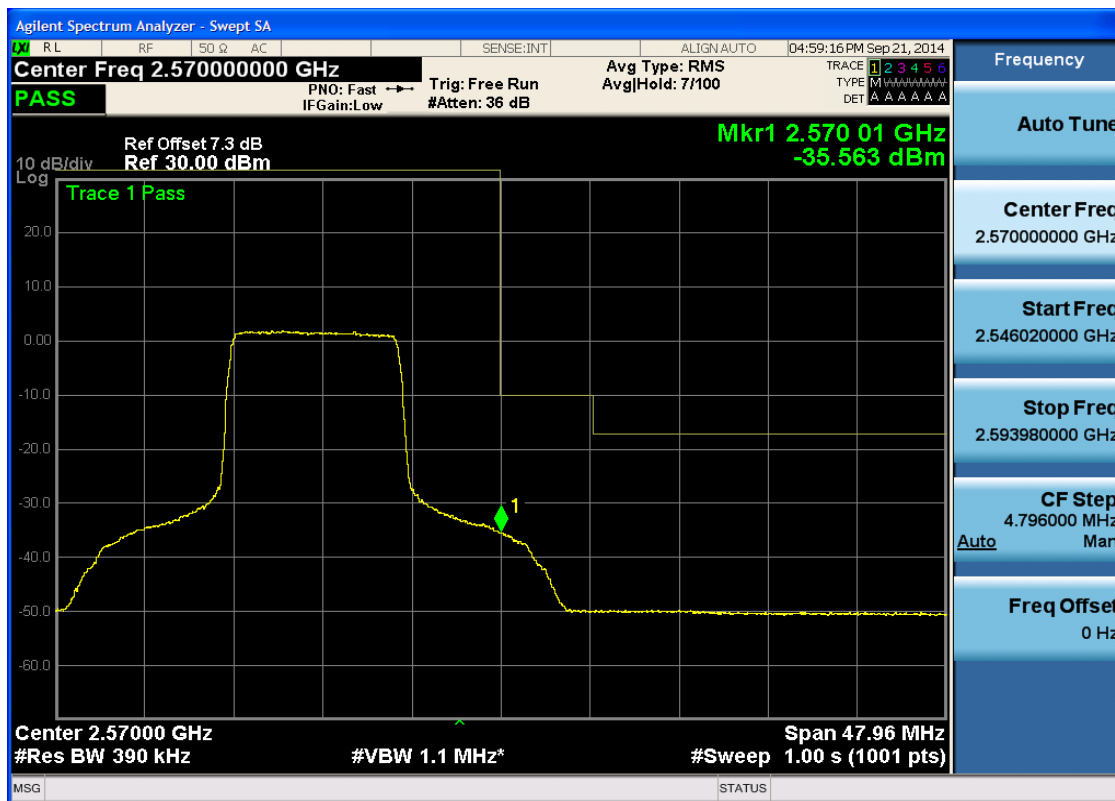


5.2.1.1.4.2.2 Test RB = RB1#99





5.2.1.1.4.2.3 Test RB = RB50#25





5.2.1.1.4.2.4 Test RB = RB100#0



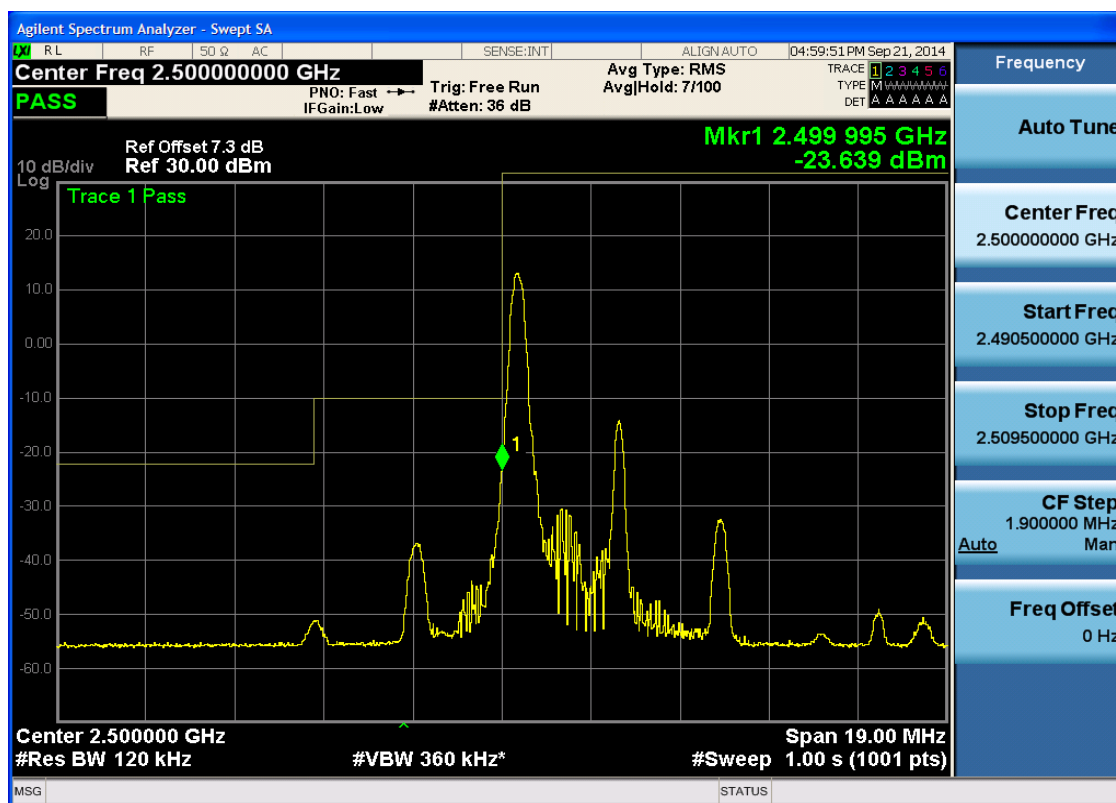


5.2.1.2 Test Mode = LTE/TM2

5.2.1.2.1 Test Bandwidth = 5

5.2.1.2.1.1 Test Channel = LCH

5.2.1.2.1.1.1 Test RB = RB1#0





5.2.1.2.1.1.2 Test RB = RB1#24

