Appendix for test report

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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]	Limit [dBm]	Verdict
BAND5	LTE/TM1	5	LCH	RB1#0	22.25	21.1	38.5	PASS
				RB1#13	22.09	20.94	38.5	PASS
				RB1#24	22.31	21.16	38.5	PASS
				RB12#0	20.27	19.12	38.5	PASS
				RB12#6	20.24	19.09	38.5	PASS
				RB12#13	20.3	19.15	38.5	PASS
				RB25#0	20.32	19.17	38.5	PASS
			MCH	RB1#0	22.17	21.02	38.5	PASS
				RB1#13	22	20.85	38.5	PASS
				RB1#24	22.28	21.13	38.5	PASS
				RB12#0	20.32	19.17	38.5	PASS
				RB12#6	20.25	19.1	38.5	PASS
				RB12#13	20.23	19.08	38.5	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	20.24	19.09	38.5	PASS
			HCH	RB1#0	22.15	21	38.5	PASS
				RB1#13	22.3	21.15	38.5	PASS
				RB1#24	22.25	21.1	38.5	PASS
				RB12#0	20.21	19.06	38.5	PASS
				RB12#6	20.33	19.18	38.5	PASS
				RB12#13	20.29	19.14	38.5	PASS
				RB25#0	20.26	19.11	38.5	PASS
		10	LCH	RB1#0	21.91	20.76	38.5	PASS
				RB1#25	21.91	20.76	38.5	PASS
				RB1#49	21.81	20.66	38.5	PASS
				RB25#0	20.8	19.65	38.5	PASS
				RB25#13	20.94	19.79	38.5	PASS
				RB25#25	20.79	19.64	38.5	PASS
				RB50#0	20.83	19.68	38.5	PASS
			MCH	RB1#0	21.89	20.74	38.5	PASS
				RB1#25	21.7	20.55	38.5	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#49	21.77	20.62	38.5	PASS
				RB25#0	20.86	19.71	38.5	PASS
				RB25#13	20.84	19.69	38.5	PASS
				RB25#25	20.75	19.6	38.5	PASS
				RB50#0	20.81	19.66	38.5	PASS
			HCH	RB1#0	21.85	20.7	38.5	PASS
				RB1#25	21.83	20.68	38.5	PASS
				RB1#49	22.01	20.86	38.5	PASS
				RB25#0	20.81	19.66	38.5	PASS
				RB25#13	20.73	19.58	38.5	PASS
				RB25#25	20.8	19.65	38.5	PASS
				RB50#0	20.82	19.67	38.5	PASS
	LTE/TM2	5	LCH	RB1#0	21.4	20.25	38.5	PASS
				RB1#13	21.21	20.06	38.5	PASS
				RB1#24	21.35	20.2	38.5	PASS
				RB12#0	19.79	18.64	38.5	PASS
				RB12#6	19.78	18.63	38.5	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB12#13	19.79	18.64	38.5	PASS
				RB25#0	19.72	18.57	38.5	PASS
			MCH	RB1#0	21.29	20.14	38.5	PASS
				RB1#13	21.18	20.03	38.5	PASS
				RB1#24	21.34	20.19	38.5	PASS
				RB12#0	19.87	18.72	38.5	PASS
				RB12#6	19.81	18.66	38.5	PASS
				RB12#13	19.83	18.68	38.5	PASS
				RB25#0	19.77	18.62	38.5	PASS
			HCH	RB1#0	21.22	20.07	38.5	PASS
				RB1#13	21.22	20.07	38.5	PASS
				RB1#24	21.47	20.32	38.5	PASS
				RB12#0	19.77	18.62	38.5	PASS
				RB12#6	19.87	18.72	38.5	PASS
				RB12#13	19.81	18.66	38.5	PASS
				RB25#0	19.72	18.57	38.5	PASS
		10	LCH	RB1#0	21.45	20.3	38.5	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#25	21.14	19.99	38.5	PASS
				RB1#49	21.37	20.22	38.5	PASS
				RB25#0	20.32	19.17	38.5	PASS
				RB25#13	20.45	19.3	38.5	PASS
				RB25#25	20.3	19.15	38.5	PASS
				RB50#0	20.3	19.15	38.5	PASS
			MCH	RB1#0	21.42	20.27	38.5	PASS
				RB1#25	21.19	20.04	38.5	PASS
				RB1#49	21.24	20.09	38.5	PASS
				RB25#0	20.32	19.17	38.5	PASS
				RB25#13	20.34	19.19	38.5	PASS
				RB25#25	20.21	19.06	38.5	PASS
				RB50#0	20.29	19.14	38.5	PASS
			HCH	RB1#0	21.43	20.28	38.5	PASS
				RB1#25	20.96	19.81	38.5	PASS
				RB1#49	21.41	20.26	38.5	PASS
				RB25#0	20.28	19.13	38.5	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#13	20.35	19.2	38.5	PASS
				RB25#25	20.37	19.22	38.5	PASS
				RB50#0	20.37	19.22	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
BAND17	LTE/TM1	5	LCH	RB1#0	22.17	19.92	34.7	PASS
				RB1#13	22.09	19.84	34.7	PASS
				RB1#24	21.97	19.72	34.7	PASS
				RB12#0	20.73	18.48	34.7	PASS
				RB12#6	20.77	18.52	34.7	PASS
				RB12#13	20.74	18.49	34.7	PASS
				RB25#0	20.81	18.56	34.7	PASS
			MCH	RB1#0	22.09	19.84	34.7	PASS
				RB1#13	22.26	20.01	34.7	PASS
				RB1#24	22.09	19.84	34.7	PASS
				RB12#0	20.79	18.54	34.7	PASS
				RB12#6	20.82	18.57	34.7	PASS
				RB12#13	20.8	18.55	34.7	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#0	20.78	18.53	34.7	PASS
			HCH	RB1#0	22.22	19.97	34.7	PASS
				RB1#13	22.18	19.93	34.7	PASS
				RB1#24	22.1	19.85	34.7	PASS
				RB12#0	20.75	18.5	34.7	PASS
				RB12#6	20.76	18.51	34.7	PASS
				RB12#13	20.69	18.44	34.7	PASS
				RB25#0	20.74	18.49	34.7	PASS
		10	LCH	RB1#0	21.76	19.51	34.7	PASS
				RB1#25	21.72	19.47	34.7	PASS
				RB1#49	21.86	19.61	34.7	PASS
				RB25#0	20.84	18.59	34.7	PASS
				RB25#13	20.87	18.62	34.7	PASS
				RB25#25	20.73	18.48	34.7	PASS
				RB50#0	20.78	18.53	34.7	PASS
			MCH	RB1#0	21.82	19.57	34.7	PASS
				RB1#25	21.83	19.58	34.7	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#49	21.78	19.53	34.7	PASS
				RB25#0	20.78	18.53	34.7	PASS
				RB25#13	20.84	18.59	34.7	PASS
				RB25#25	20.78	18.53	34.7	PASS
				RB50#0	20.78	18.53	34.7	PASS
			HCH	RB1#0	21.8	19.55	34.7	PASS
				RB1#25	21.82	19.57	34.7	PASS
				RB1#49	21.82	19.57	34.7	PASS
				RB25#0	20.75	18.5	34.7	PASS
				RB25#13	20.8	18.55	34.7	PASS
				RB25#25	20.76	18.51	34.7	PASS
				RB50#0	20.81	18.56	34.7	PASS
	LTE/TM2	5	LCH	RB1#0	21.25	19	34.7	PASS
				RB1#13	21.13	18.88	34.7	PASS
				RB1#24	21.18	18.93	34.7	PASS
				RB12#0	20.26	18.01	34.7	PASS
				RB12#6	20.33	18.08	34.7	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB12#13	20.31	18.06	34.7	PASS
				RB25#0	20.26	18.01	34.7	PASS
			MCH	RB1#0	21.22	18.97	34.7	PASS
				RB1#13	21.21	18.96	34.7	PASS
				RB1#24	21.24	18.99	34.7	PASS
				RB12#0	20.34	18.09	34.7	PASS
				RB12#6	20.36	18.11	34.7	PASS
				RB12#13	20.37	18.12	34.7	PASS
				RB25#0	20.27	18.02	34.7	PASS
			HCH	RB1#0	21.34	19.09	34.7	PASS
				RB1#13	21.24	18.99	34.7	PASS
				RB1#24	21.2	18.95	34.7	PASS
				RB12#0	20.32	18.07	34.7	PASS
				RB12#6	20.31	18.06	34.7	PASS
				RB12#13	20.26	18.01	34.7	PASS
				RB25#0	20.23	17.98	34.7	PASS
		10	LCH	RB1#0	21.36	19.11	34.7	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#25	21	18.75	34.7	PASS
				RB1#49	21.42	19.17	34.7	PASS
				RB25#0	20.33	18.08	34.7	PASS
				RB25#13	20.39	18.14	34.7	PASS
				RB25#25	20.2	17.95	34.7	PASS
				RB50#0	20.27	18.02	34.7	PASS
			MCH	RB1#0	21.39	19.14	34.7	PASS
				RB1#25	21.12	18.87	34.7	PASS
				RB1#49	21.28	19.03	34.7	PASS
				RB25#0	20.26	18.01	34.7	PASS
				RB25#13	20.34	18.09	34.7	PASS
				RB25#25	20.25	18	34.7	PASS
				RB50#0	20.27	18.02	34.7	PASS
			HCH	RB1#0	21.4	19.15	34.7	PASS
				RB1#25	21.17	18.92	34.7	PASS
				RB1#49	21.31	19.06	34.7	PASS
				RB25#0	20.23	17.98	34.7	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#13	20.29	18.04	34.7	PASS
				RB25#25	20.19	17.94	34.7	PASS
				RB50#0	20.31	18.06	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,

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%of the OBW,not to exceed 1MHz

SET VBW>= 3*RBW

SET Sweep time=auto-couple.

Detector:RMS

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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
BAND5	LTE/TM1	5	LCH	RB1#0	3.98	13	PASS
				RB1#13	3.66	13	PASS
				RB1#24	3.69	13	PASS
				RB12#0	4.73	13	PASS
				RB12#6	4.53	13	PASS
				RB12#13	4.57	13	PASS
				RB25#0	5.11	13	PASS
			MCH	RB1#0	4.1	13	PASS
				RB1#13	4.28	13	PASS
				RB1#24	4.15	13	PASS
				RB12#0	5.21	13	PASS
				RB12#6	5.18	13	PASS
				RB12#13	5.22	13	PASS
				RB25#0	5.17	13	PASS
			HCH	RB1#0	3.3	13	PASS
				RB1#13	3.34	13	PASS
				RB1#24	3.46	13	PASS
				RB12#0	4.64	13	PASS
				RB12#6	4.59	13	PASS
				RB12#13	4.87	13	PASS
				RB25#0	5.34	13	PASS
		10	LCH	RB1#0	4.13	13	PASS
				RB1#25	3.89	13	PASS
				RB1#49	4.24	13	PASS
				RB25#0	4.75	13	PASS
				RB25#13	4.6	13	PASS
				RB25#25	4.84	13	PASS
				RB50#0	5.82	13	PASS
			MCH	RB1#0	4.09	13	PASS
				RB1#25	4.49	13	PASS

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Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#49	4.06	13	PASS
				RB25#0	5.07	13	PASS
				RB25#13	5.2	13	PASS
				RB25#25	5.03	13	PASS
				RB50#0	5.39	13	PASS
			HCH	RB1#0	4.24	13	PASS
				RB1#25	3.52	13	PASS
				RB1#49	3.75	13	PASS
				RB25#0	4.64	13	PASS
				RB25#13	4.39	13	PASS
				RB25#25	4.59	13	PASS
				RB50#0	5.27	13	PASS
	LTE/TM2	5	LCH	RB1#0	4.83	13	PASS
				RB1#13	4.66	13	PASS
				RB1#24	4.5	13	PASS
				RB12#0	5.49	13	PASS
				RB12#6	5.42	13	PASS
				RB12#13	5.43	13	PASS
				RB25#0	6.06	13	PASS
			MCH	RB1#0	4.98	13	PASS
				RB1#13	5.23	13	PASS
				RB1#24	5.02	13	PASS
				RB12#0	5.88	13	PASS
				RB12#6	5.87	13	PASS
				RB12#13	6	13	PASS
				RB25#0	6.25	13	PASS
			HCH	RB1#0	4.24	13	PASS
				RB1#13	4.33	13	PASS
				RB1#24	4.32	13	PASS
				RB12#0	5.27	13	PASS
				RB12#6	5.19	13	PASS
				RB12#13	5.52	13	PASS
				RB25#0	5.96	13	PASS
		10	LCH	RB1#0	5.09	13	PASS
				RB1#25	4.97	13	PASS
				RB1#49	5.24	13	PASS
				RB25#0	5.64	13	PASS
				RB25#13	5.42	13	PASS
				RB25#25	5.73	13	PASS

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Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#0	6.32	13	PASS
			MCH	RB1#0	5.04	13	PASS
				RB1#25	5.56	13	PASS
				RB1#49	5.07	13	PASS
				RB25#0	5.99	13	PASS
				RB25#13	6.04	13	PASS
				RB25#25	5.96	13	PASS
				RB50#0	6.45	13	PASS
			HCH	RB1#0	5.2	13	PASS
				RB1#25	4.7	13	PASS
				RB1#49	4.81	13	PASS
				RB25#0	5.48	13	PASS
				RB25#13	5.17	13	PASS
				RB25#25	5.34	13	PASS
				RB50#0	5.99	13	PASS
Test Band(For LTE)	**Test Mode**	**Test Bandwidth (MHz)**	**Test Channel**	**Test RB**	**Measured[dB]**	**Limit [dB]**	**Verdict**
BAND17	LTE/TM1	5	LCH	RB1#0	4.39	13	PASS
				RB1#13	4.26	13	PASS
				RB1#24	4.45	13	PASS
				RB12#0	5.11	13	PASS
				RB12#6	4.94	13	PASS
				RB12#13	5.08	13	PASS
				RB25#0	5.55	13	PASS
			MCH	RB1#0	4.4	13	PASS
				RB1#13	4.38	13	PASS
				RB1#24	4.4	13	PASS
				RB12#0	5.21	13	PASS
				RB12#6	5.12	13	PASS
				RB12#13	5.21	13	PASS
				RB25#0	5.3	13	PASS
			HCH	RB1#0	4.4	13	PASS
				RB1#13	4.21	13	PASS
				RB1#24	3.93	13	PASS
				RB12#0	5.11	13	PASS
				RB12#6	4.94	13	PASS
				RB12#13	4.94	13	PASS
				RB25#0	5.57	13	PASS

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Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		10	LCH	RB1#0	4.52	13	PASS
				RB1#25	4.59	13	PASS
				RB1#49	4.43	13	PASS
				RB25#0	5.08	13	PASS
				RB25#13	5.18	13	PASS
				RB25#25	5.2	13	PASS
				RB50#0	5.87	13	PASS
			MCH	RB1#0	4.47	13	PASS
				RB1#25	4.59	13	PASS
				RB1#49	4.31	13	PASS
				RB25#0	5.13	13	PASS
				RB25#13	5.21	13	PASS
				RB25#25	5.13	13	PASS
				RB50#0	6.33	13	PASS
			HCH	RB1#0	4.5	13	PASS
				RB1#25	4.55	13	PASS
				RB1#49	4.16	13	PASS
				RB25#0	5.2	13	PASS
				RB25#13	5.21	13	PASS
				RB25#25	5.04	13	PASS
				RB50#0	5.55	13	PASS
	LTE/TM2	5	LCH	RB1#0	5.31	13	PASS
				RB1#13	5.22	13	PASS
				RB1#24	5.39	13	PASS
				RB12#0	5.89	13	PASS
				RB12#6	5.72	13	PASS
				RB12#13	5.88	13	PASS
				RB25#0	6.54	13	PASS
			MCH	RB1#0	5.3	13	PASS
				RB1#13	5.31	13	PASS
				RB1#24	5.31	13	PASS
				RB12#0	5.94	13	PASS
				RB12#6	5.82	13	PASS
				RB12#13	5.95	13	PASS
				RB25#0	6.2	13	PASS
			HCH	RB1#0	5.32	13	PASS
				RB1#13	5.17	13	PASS
				RB1#24	4.81	13	PASS
				RB12#0	5.87	13	PASS

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Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB12#6	5.7	13	PASS
				RB12#13	5.7	13	PASS
				RB25#0	6.11	13	PASS
		10	LCH	RB1#0	5.6	13	PASS
				RB1#25	5.67	13	PASS
				RB1#49	5.49	13	PASS
				RB25#0	6.15	13	PASS
				RB25#13	6.03	13	PASS
				RB25#25	6.24	13	PASS
				RB50#0	6.99	13	PASS
			MCH	RB1#0	5.53	13	PASS
				RB1#25	5.67	13	PASS
				RB1#49	5.35	13	PASS
				RB25#0	6.14	13	PASS
				RB25#13	6.05	13	PASS
				RB25#25	6.21	13	PASS
				RB50#0	6.62	13	PASS
			HCH	RB1#0	5.49	13	PASS
				RB1#25	5.64	13	PASS
				RB1#49	5.2	13	PASS
				RB25#0	6.12	13	PASS
				RB25#13	5.99	13	PASS
				RB25#25	6.02	13	PASS
				RB50#0	6.98	13	PASS

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3Appendix_C: Modulation Characteristics

Part I - Test Plots

3.1 For LTE

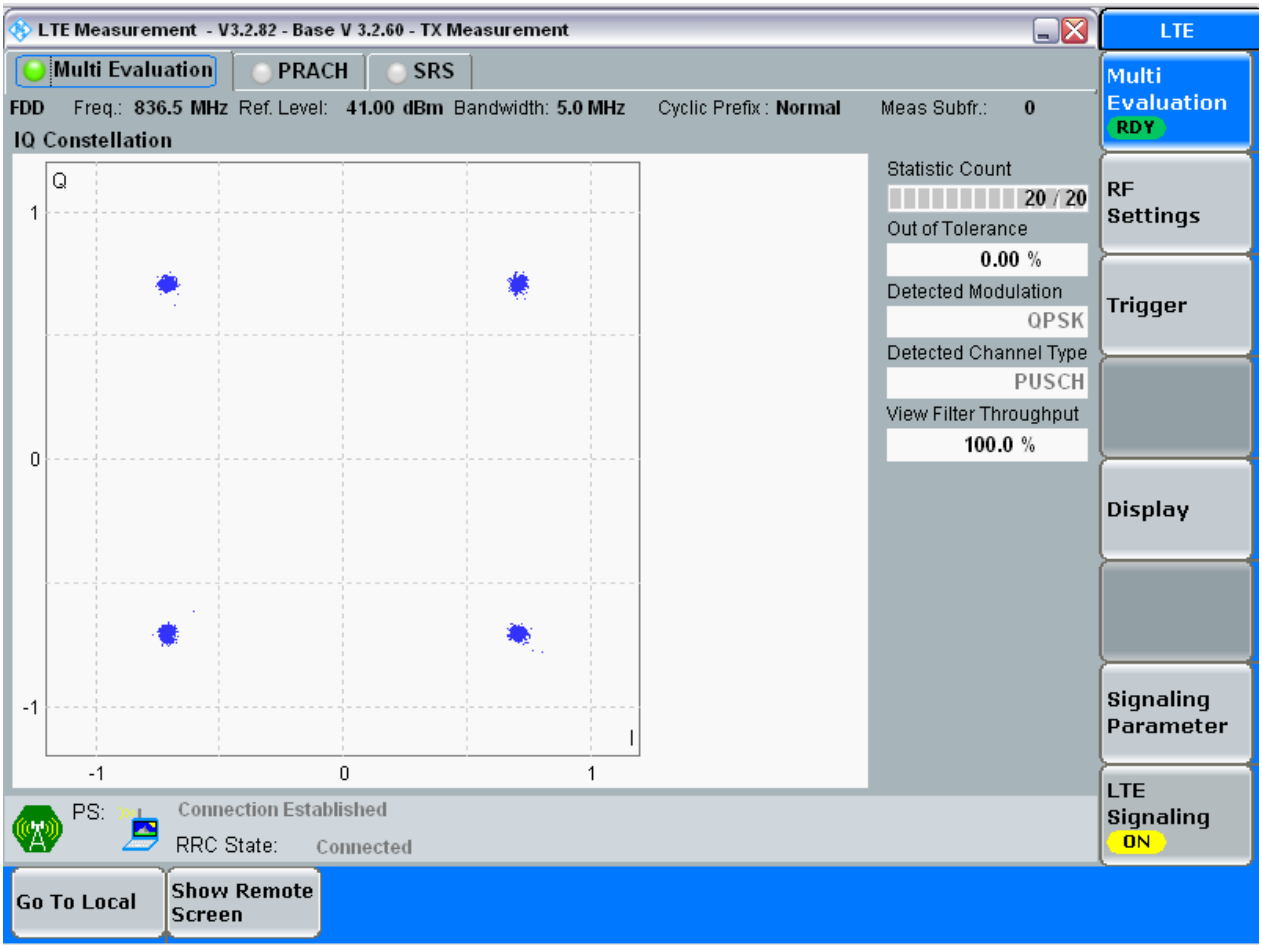
3.1.1 Test Band = BAND5

3.1.1.1 Test Mode = LTE/TM1

3.1.1.1.1 Test Bandwidth = 5

3.1.1.1.1.1 Test Channel = MCH

3.1.1.1.1.1.1 Test RB = RB25#0



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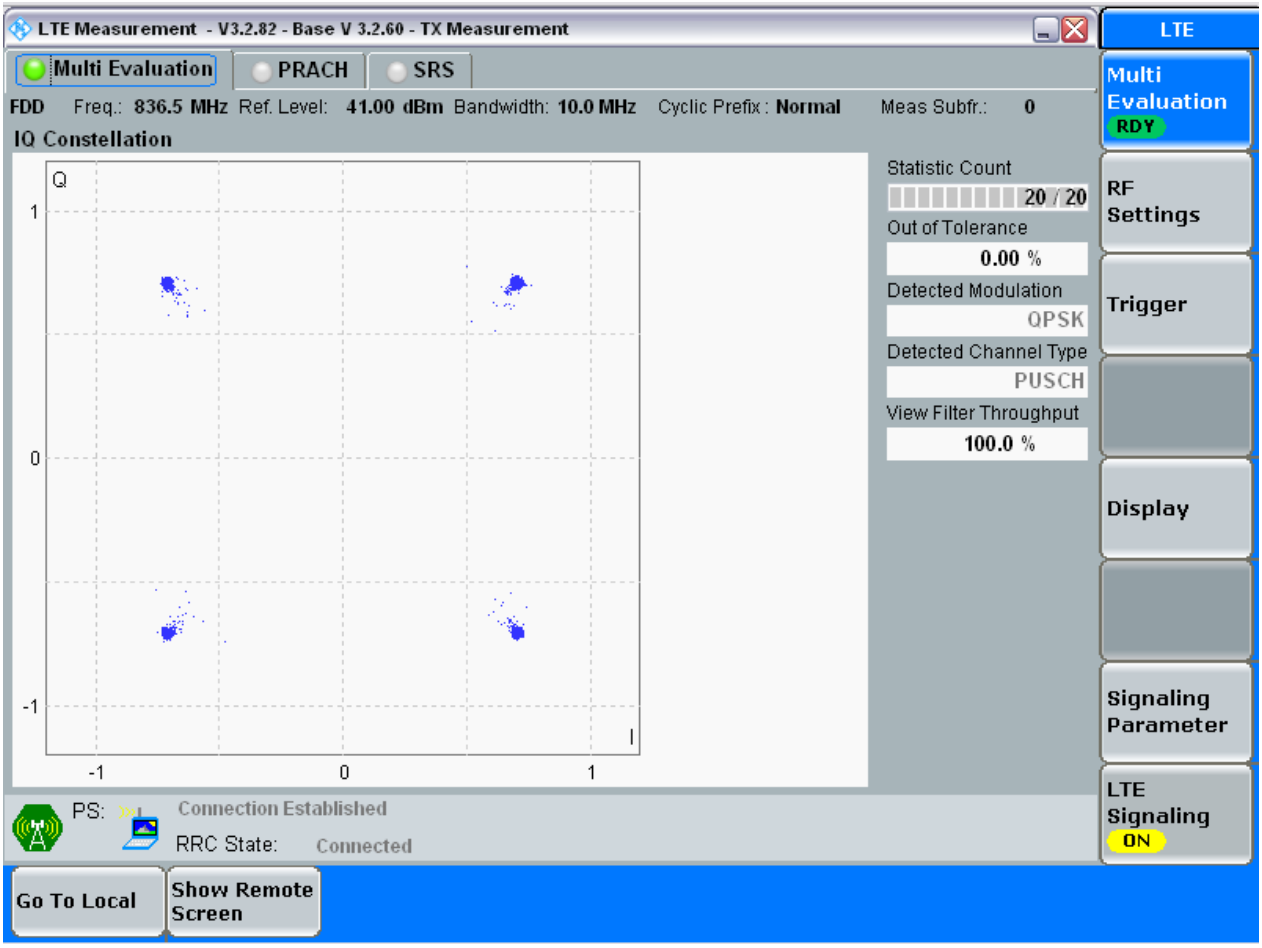
3.1.1.1.2 Test Bandwidth = 10

3.1.1.1.2.1 Test Channel = MCH

3.1.1.1.2.1.1 Test RB = RB50#0



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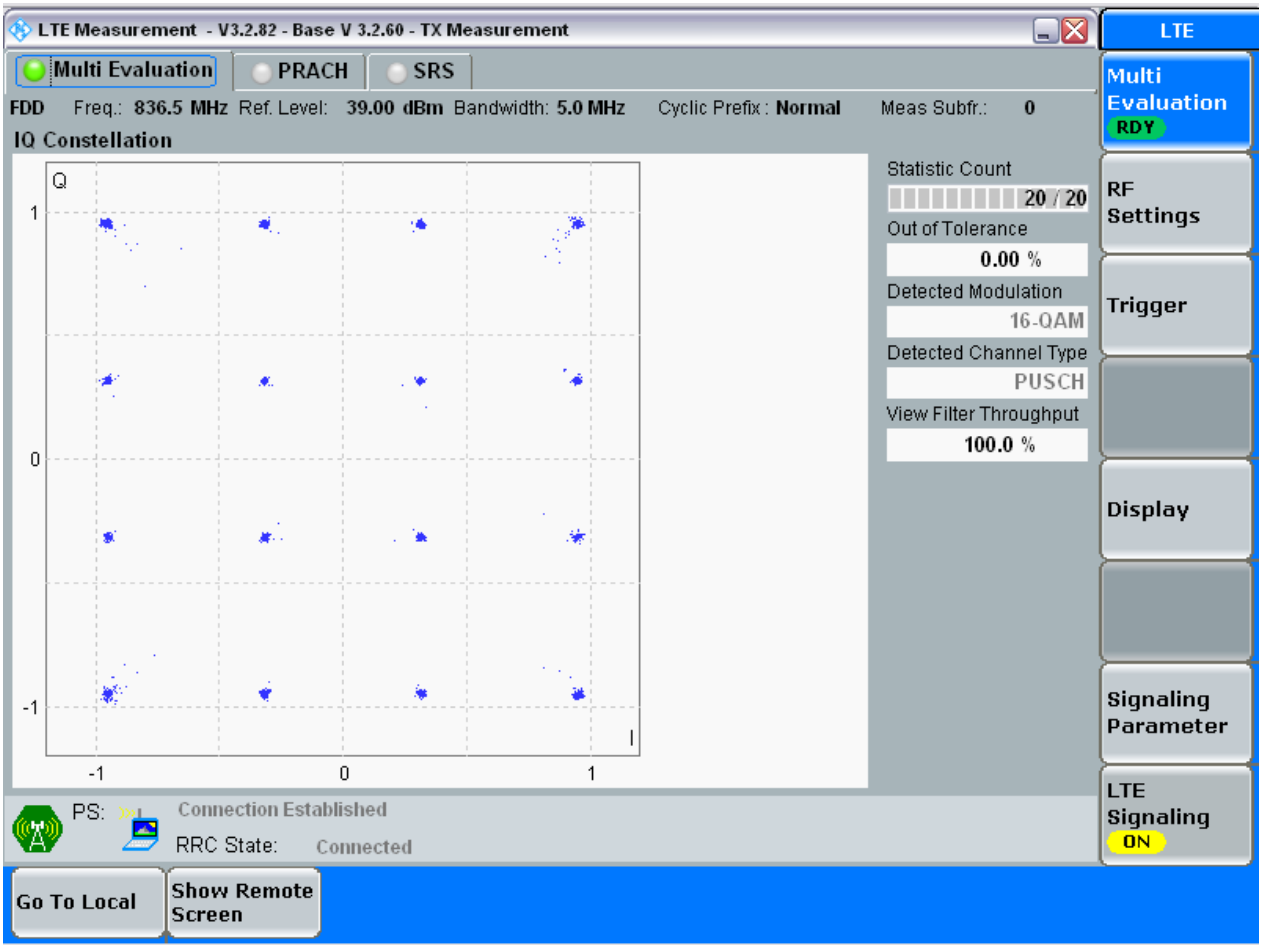
3.1.1.2 Test Mode = LTE/TM2

3.1.1.2.1 Test Bandwidth = 5

3.1.1.2.1.1 Test Channel = MCH

3.1.1.2.1.1.1 Test RB = RB25#0



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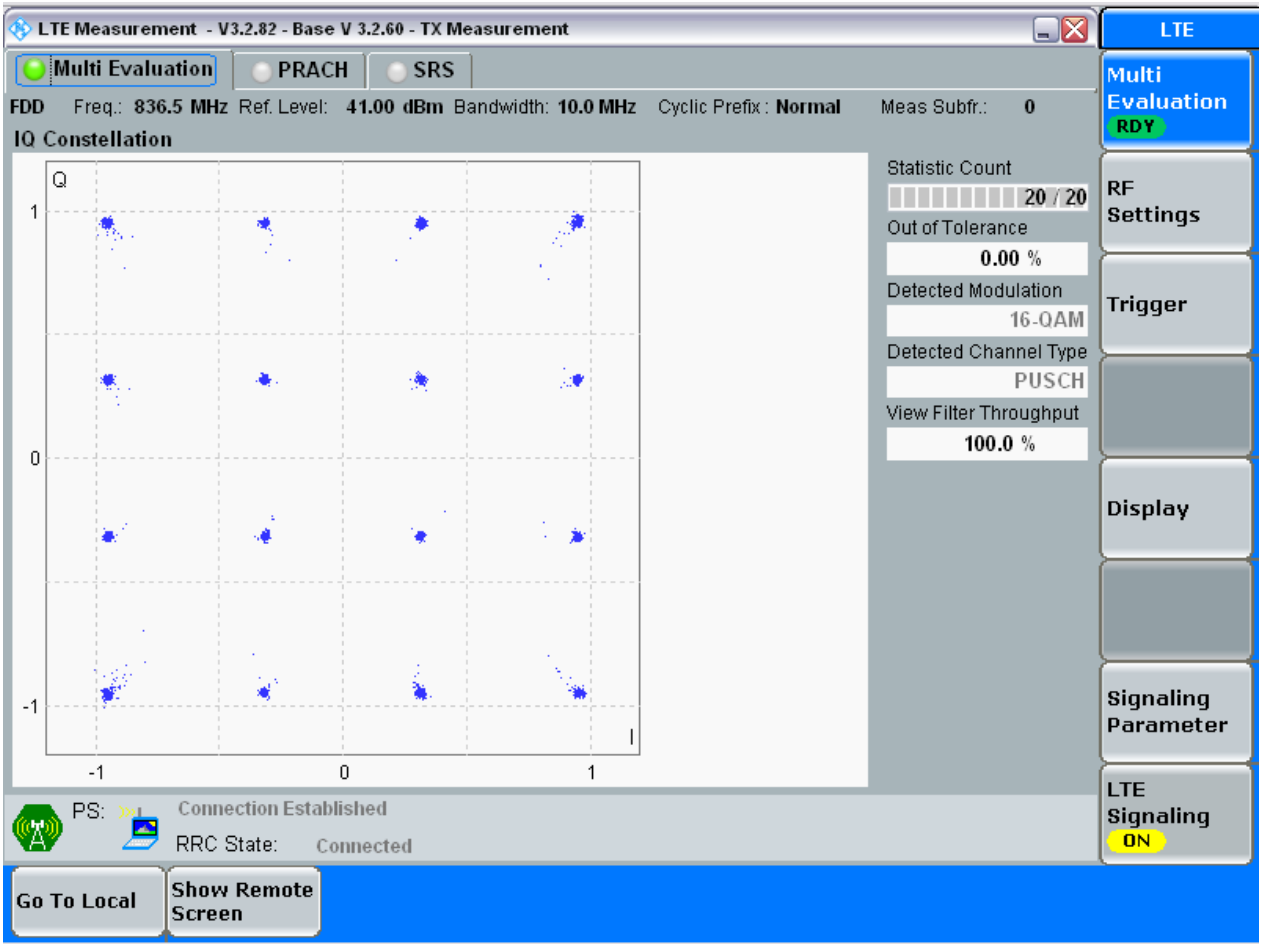
3.1.1.2.2 Test Bandwidth = 10

3.1.1.2.2.1 Test Channel = MCH

3.1.1.2.2.1.1 Test RB = RB50#0



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3.2 For LTE

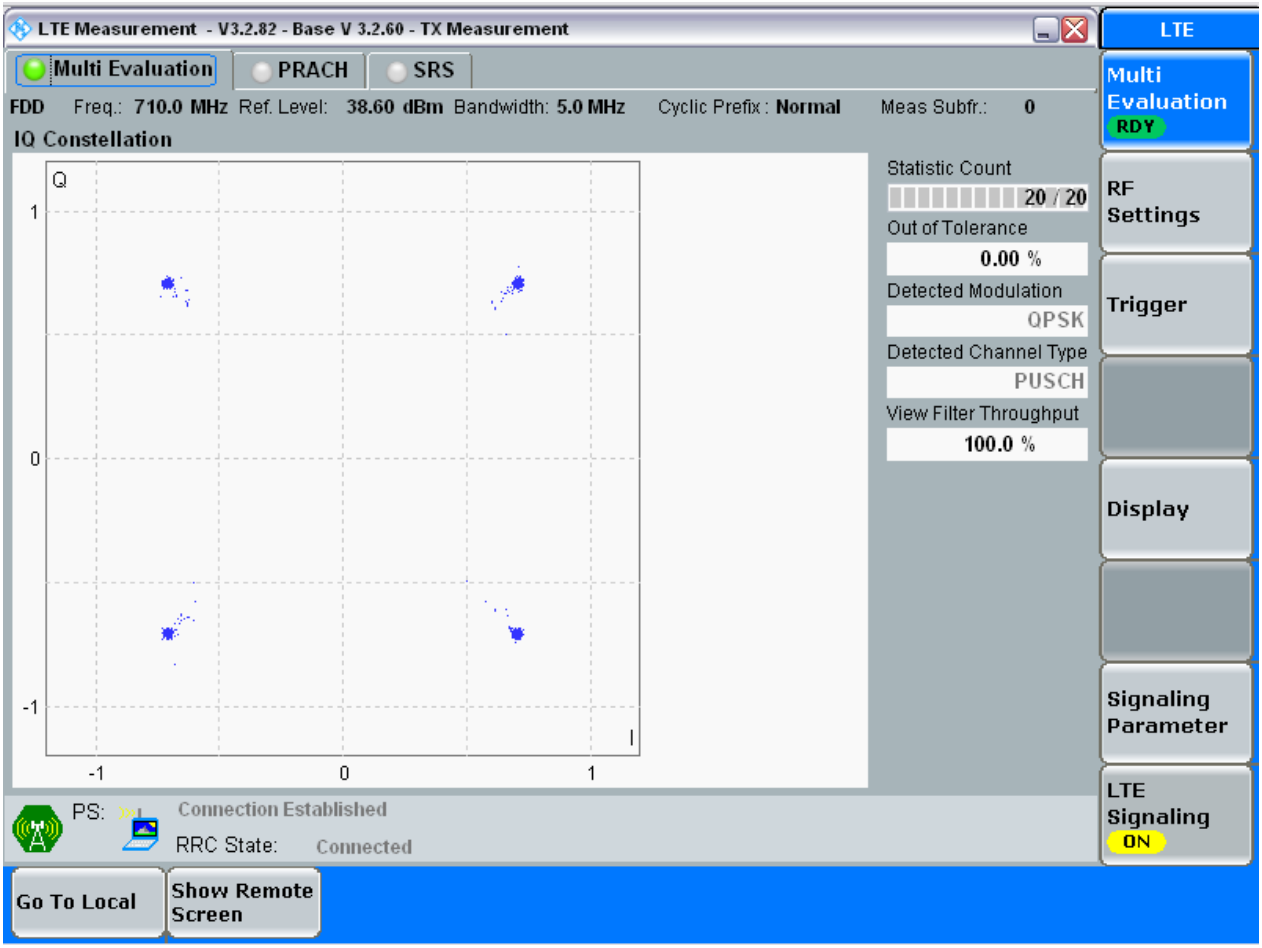
3.2.1 Test Band = BAND17

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



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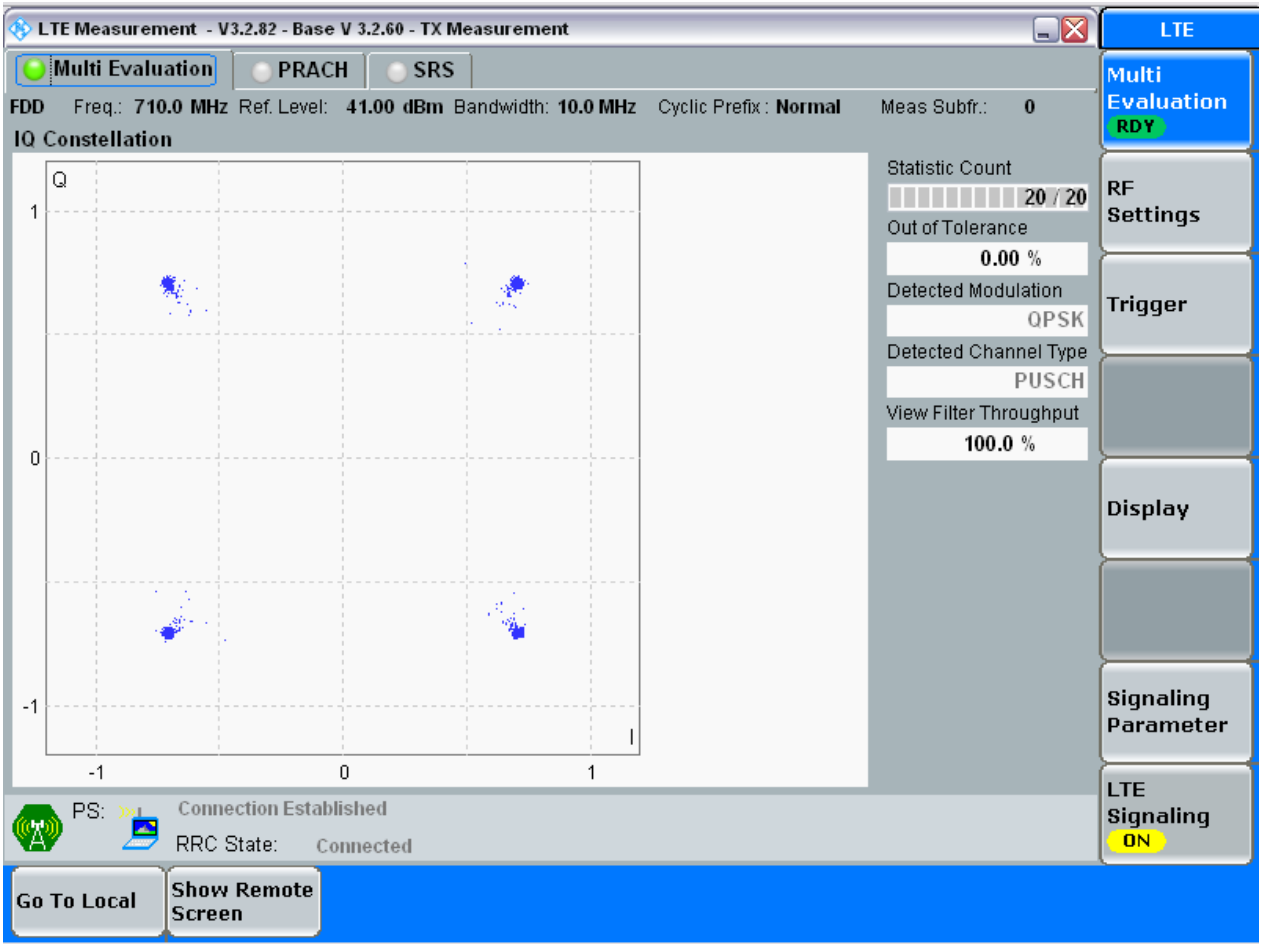
3.2.1.1.2 Test Bandwidth = 10

3.2.1.1.2.1 Test Channel = MCH

3.2.1.1.2.1.1 Test RB = RB50#0



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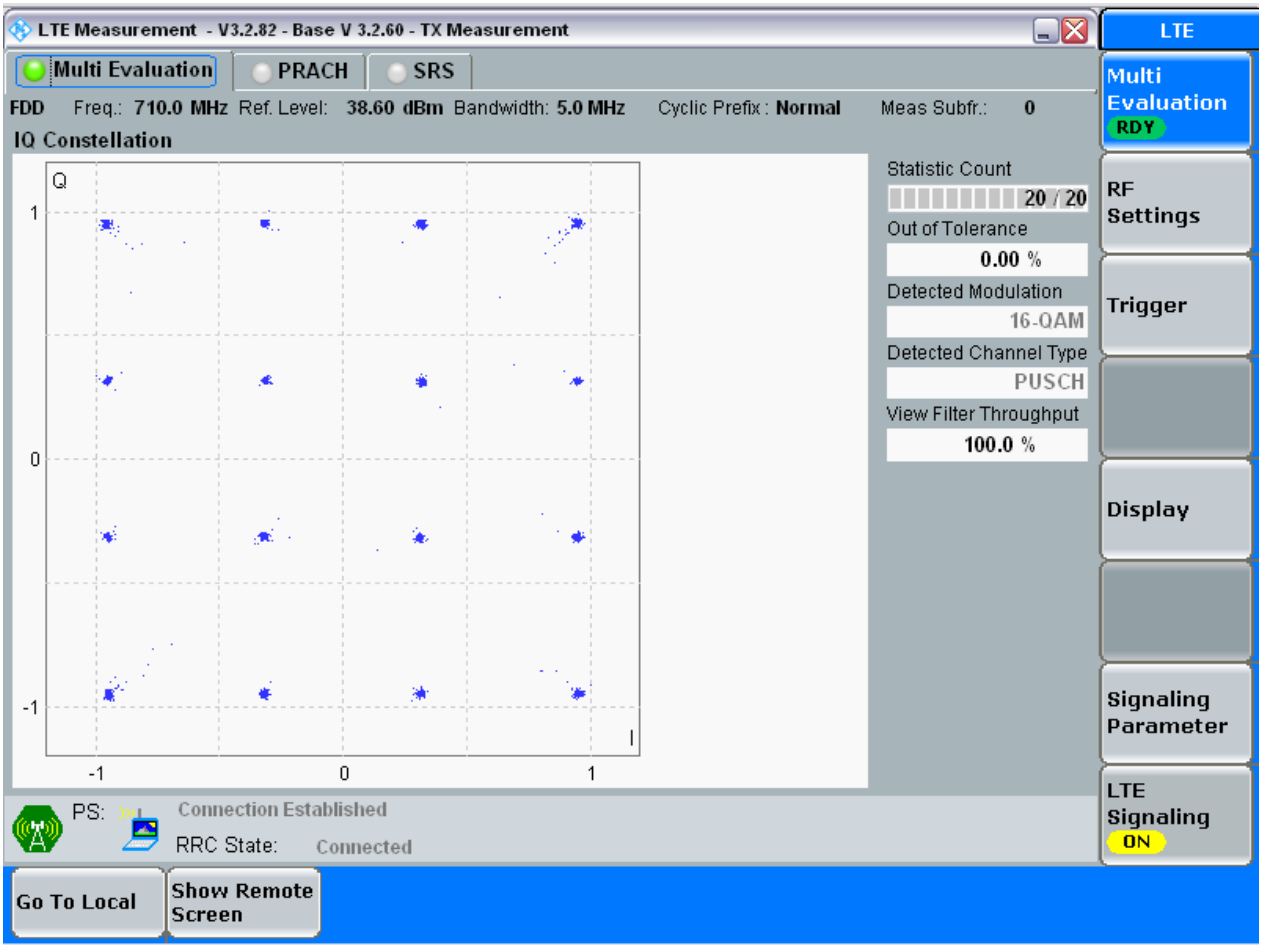
3.2.1.2 Test Mode = LTE/TM2

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



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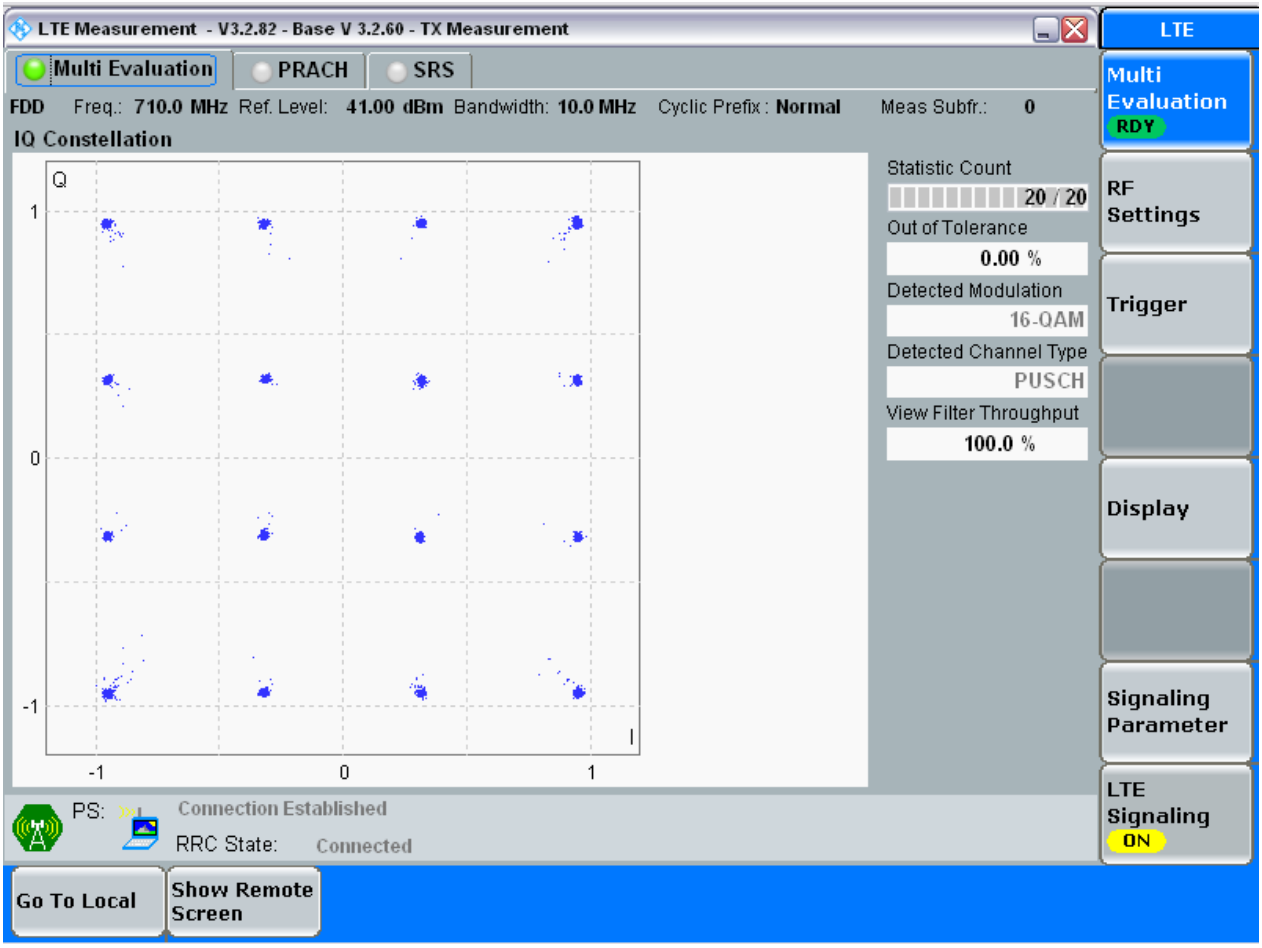
3.2.1.2.2 Test Bandwidth = 10

3.2.1.2.2.1 Test Channel = MCH

3.2.1.2.2.1.1 Test RB = RB50#0



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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	5	LCH	RB25#0	4.50	4.87	Pass
			MCH	RB25#0	4.50	4.86	Pass
			HCH	RB25#0	4.50	4.86	Pass
		10	LCH	RB50#0	8.99	9.60	Pass
			MCH	RB50#0	9.00	9.62	Pass
			HCH	RB50#0	8.99	9.56	Pass
	LTE/TM2	5	LCH	RB25#0	4.50	4.87	Pass
			MCH	RB25#0	4.51	4.86	Pass
			HCH	RB25#0	4.51	4.85	Pass
		10	LCH	RB50#0	8.99	9.59	Pass
			MCH	RB50#0	8.99	9.60	Pass
			HCH	RB50#0	8.98	9.54	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND17	LTE/TM1	5	LCH	RB25#0	4.50	4.86	Pass
			MCH	RB25#0	4.50	4.88	Pass
			HCH	RB25#0	4.50	4.87	Pass
		10	LCH	RB50#0	9.00	9.58	Pass
			MCH	RB50#0	9.00	9.61	Pass
			HCH	RB50#0	9.00	9.62	Pass
	LTE/TM2	5	LCH	RB25#0	4.51	4.86	Pass
			MCH	RB25#0	4.51	4.87	Pass
			HCH	RB25#0	4.50	4.86	Pass
		10	LCH	RB50#0	8.99	9.58	Pass
			MCH	RB50#0	8.99	9.59	Pass
			HCH	RB50#0	8.99	9.58	Pass

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Part II - Test Plots

4.1 For LTE

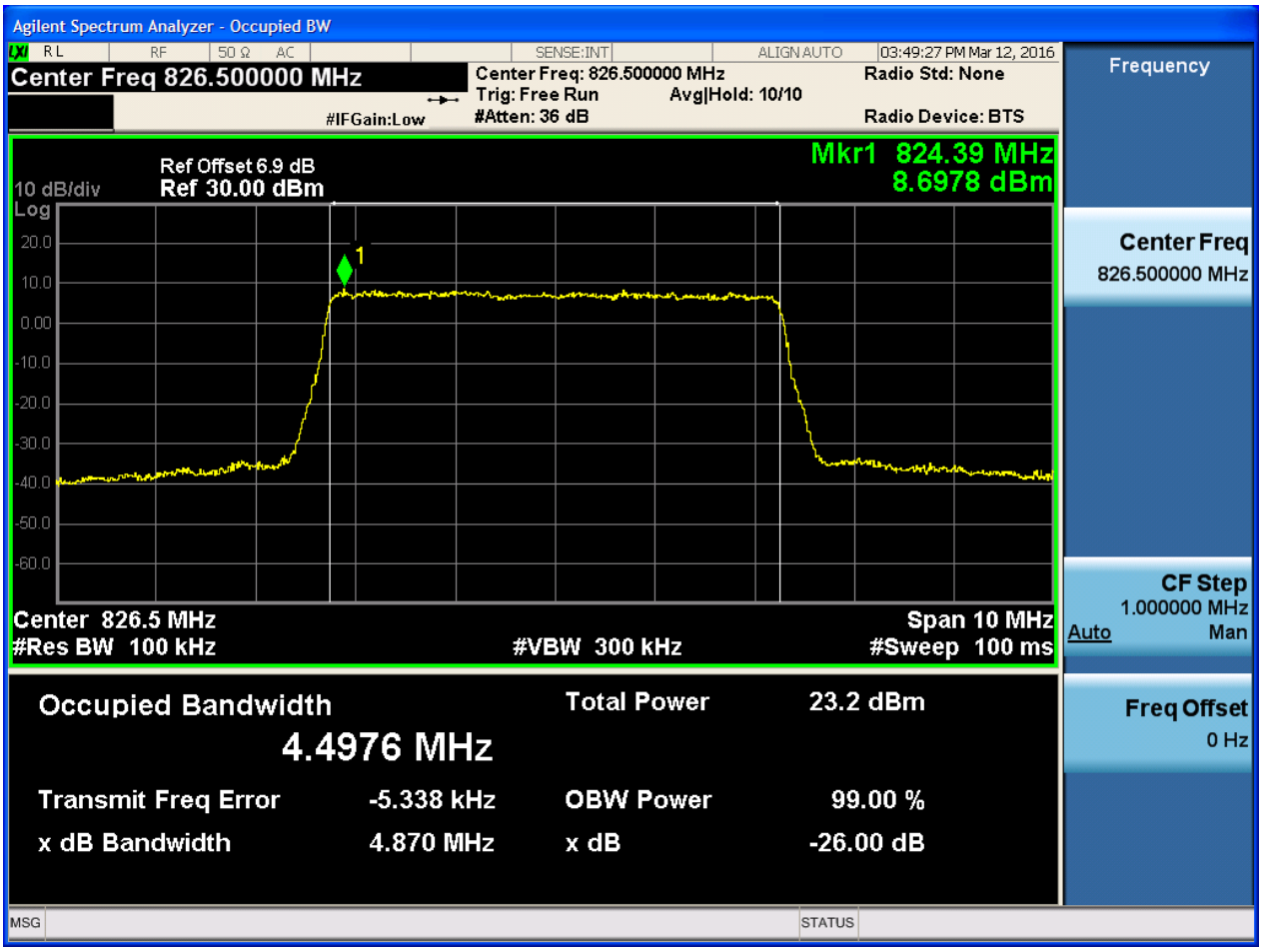
4.1.1 Test Band = BAND5

4.1.1.1 Test Mode = LTE/TM1

4.1.1.1.1 Test Bandwidth = 5

4.1.1.1.1.1 Test Channel = LCH

4.1.1.1.1.1.1 Test RB = RB25#0



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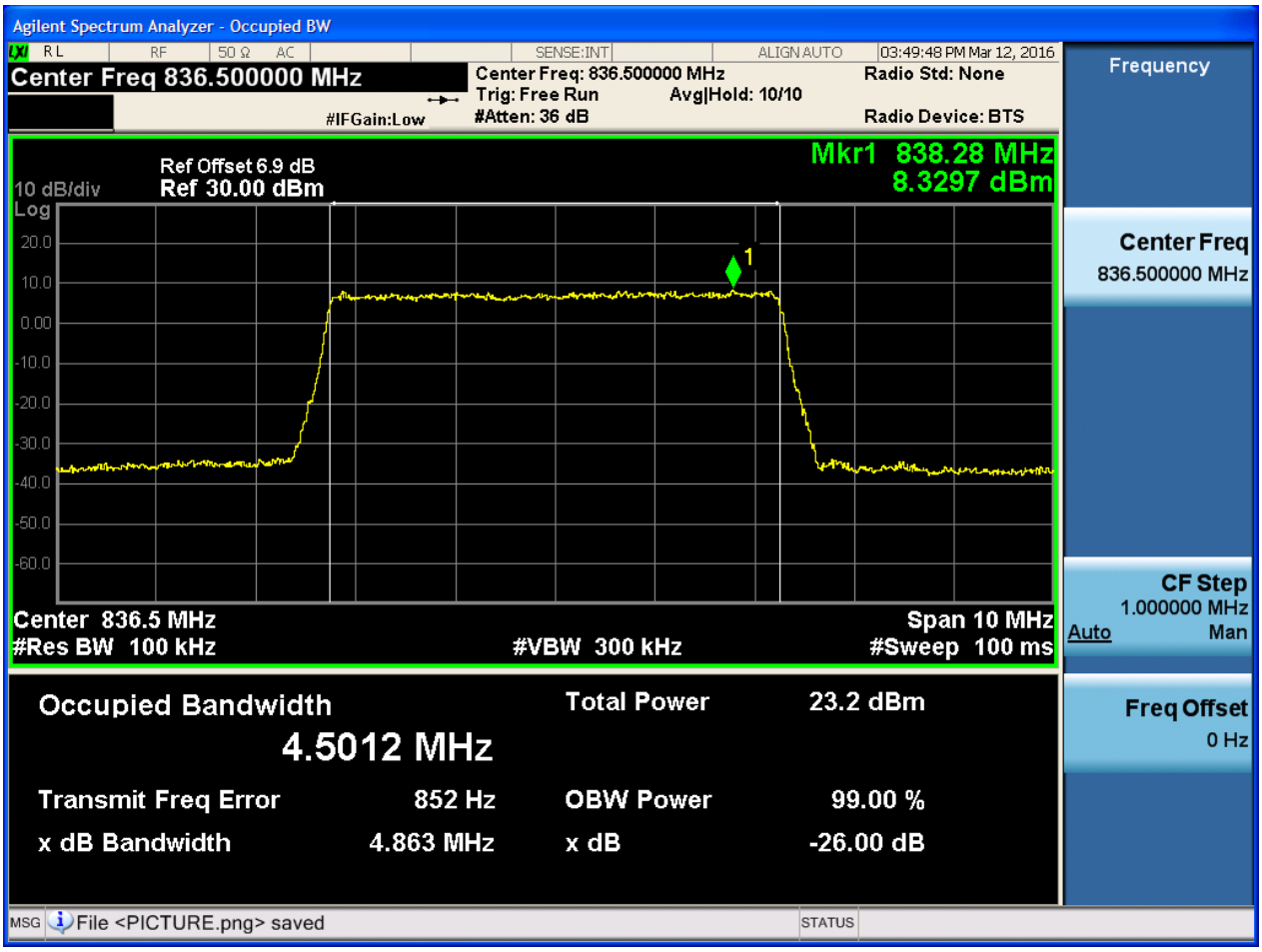
4.1.1.1.1.2 Test Channel = MCH

4.1.1.1.1.2.1 Test RB = RB25#0



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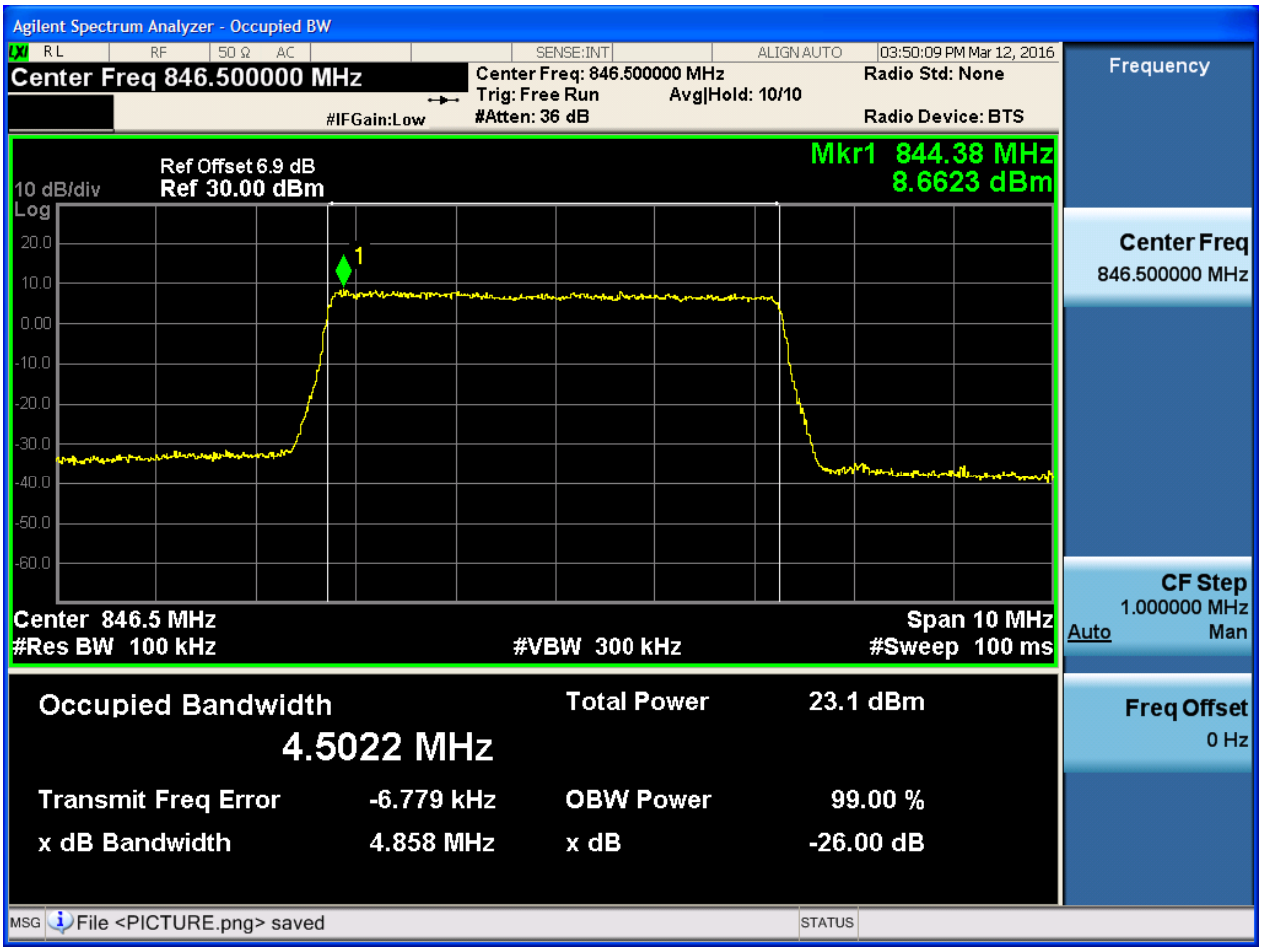
4.1.1.1.1.3 Test Channel = HCH

4.1.1.1.1.3.1 Test RB = RB25#0



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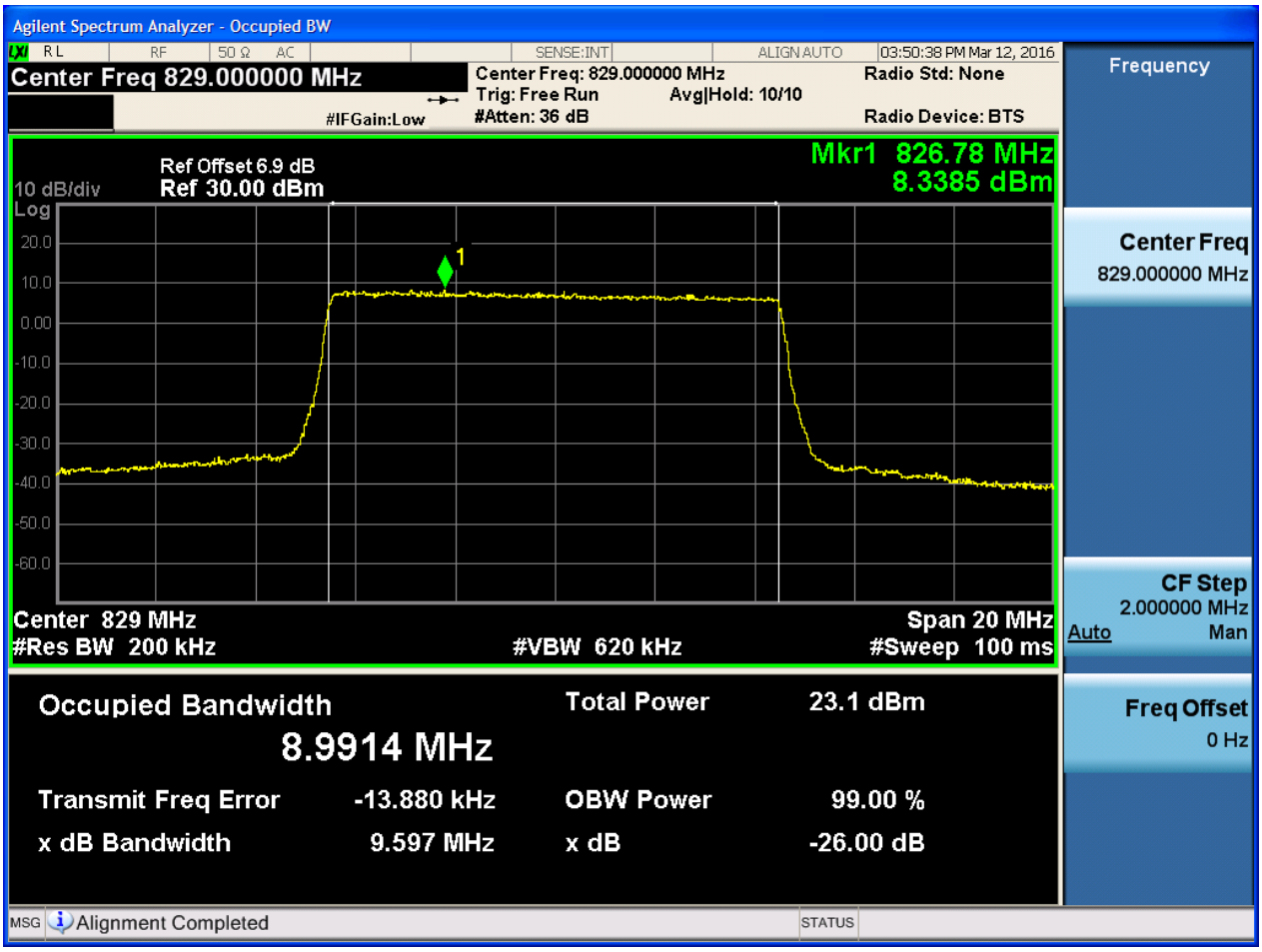
4.1.1.1.2 Test Bandwidth = 10

4.1.1.1.2.1 Test Channel = LCH

4.1.1.1.2.1.1 Test RB = RB50#0



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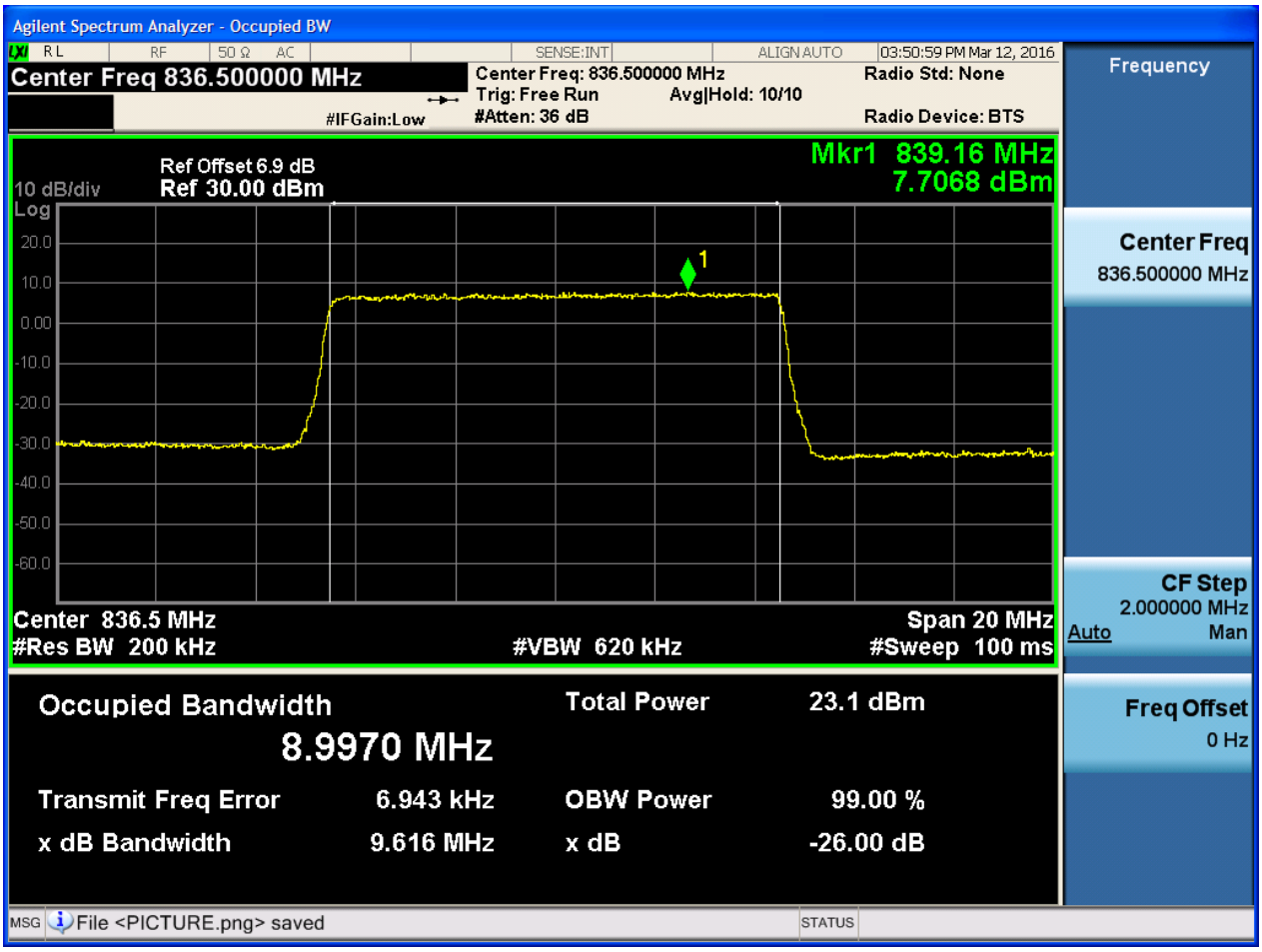
4.1.1.1.2.2 Test Channel = MCH

4.1.1.1.2.2.1 Test RB = RB50#0



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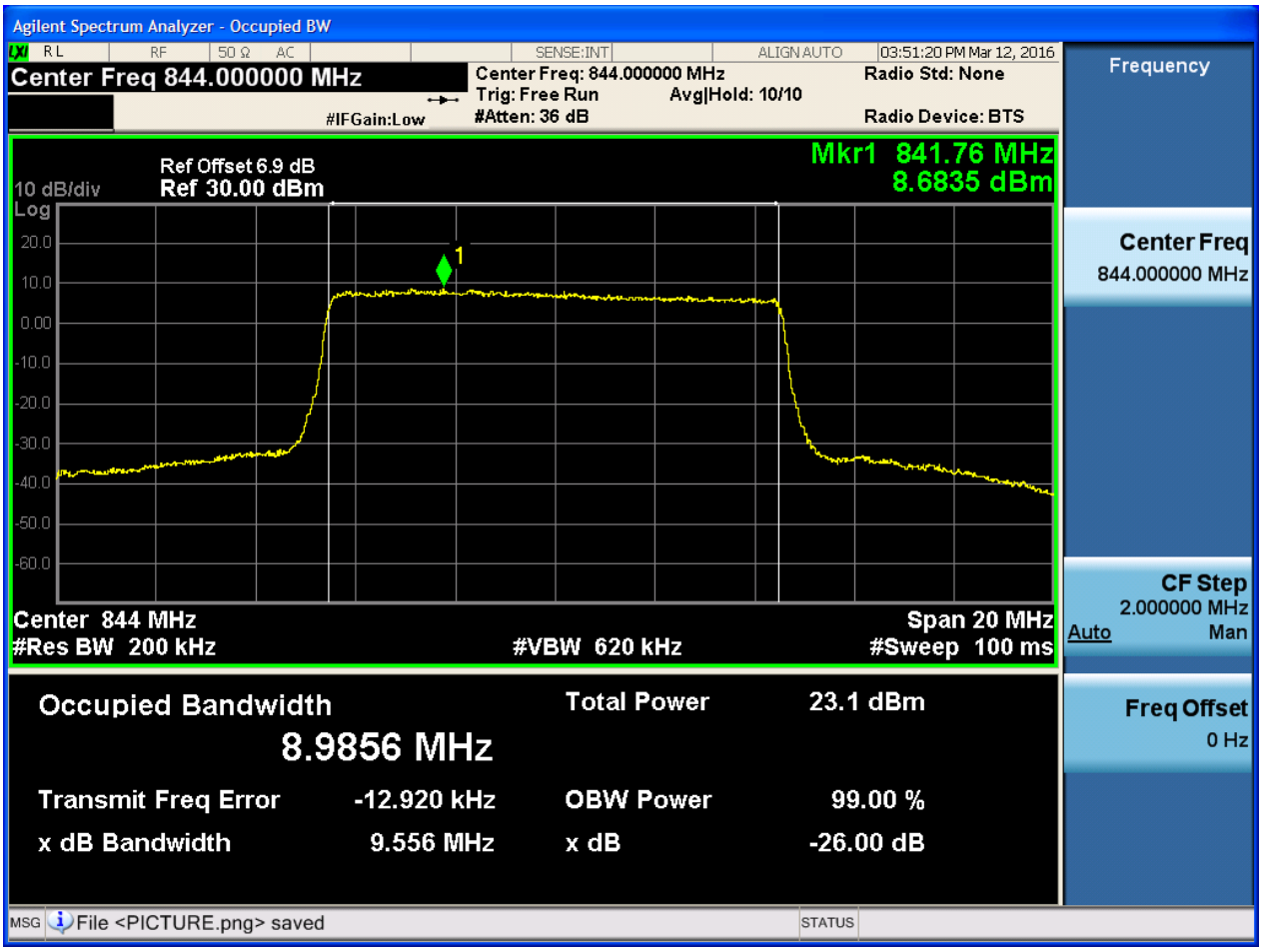
4.1.1.1.2.3 Test Channel = HCH

4.1.1.1.2.3.1 Test RB = RB50#0



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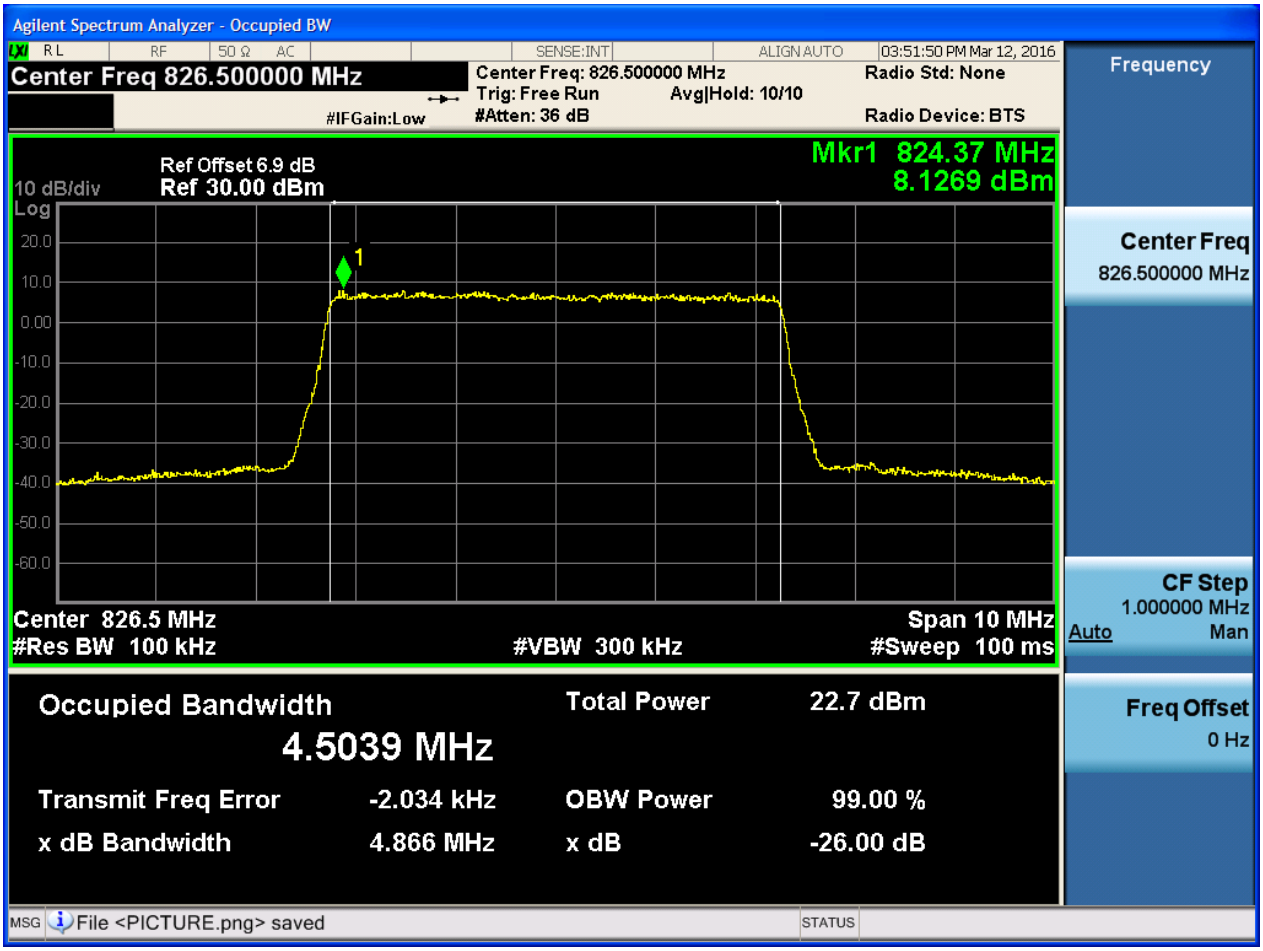
4.1.1.2 Test Mode = LTE/TM2

4.1.1.2.1 Test Bandwidth = 5

4.1.1.2.1.1 Test Channel = LCH

4.1.1.2.1.1.1 Test RB = RB25#0



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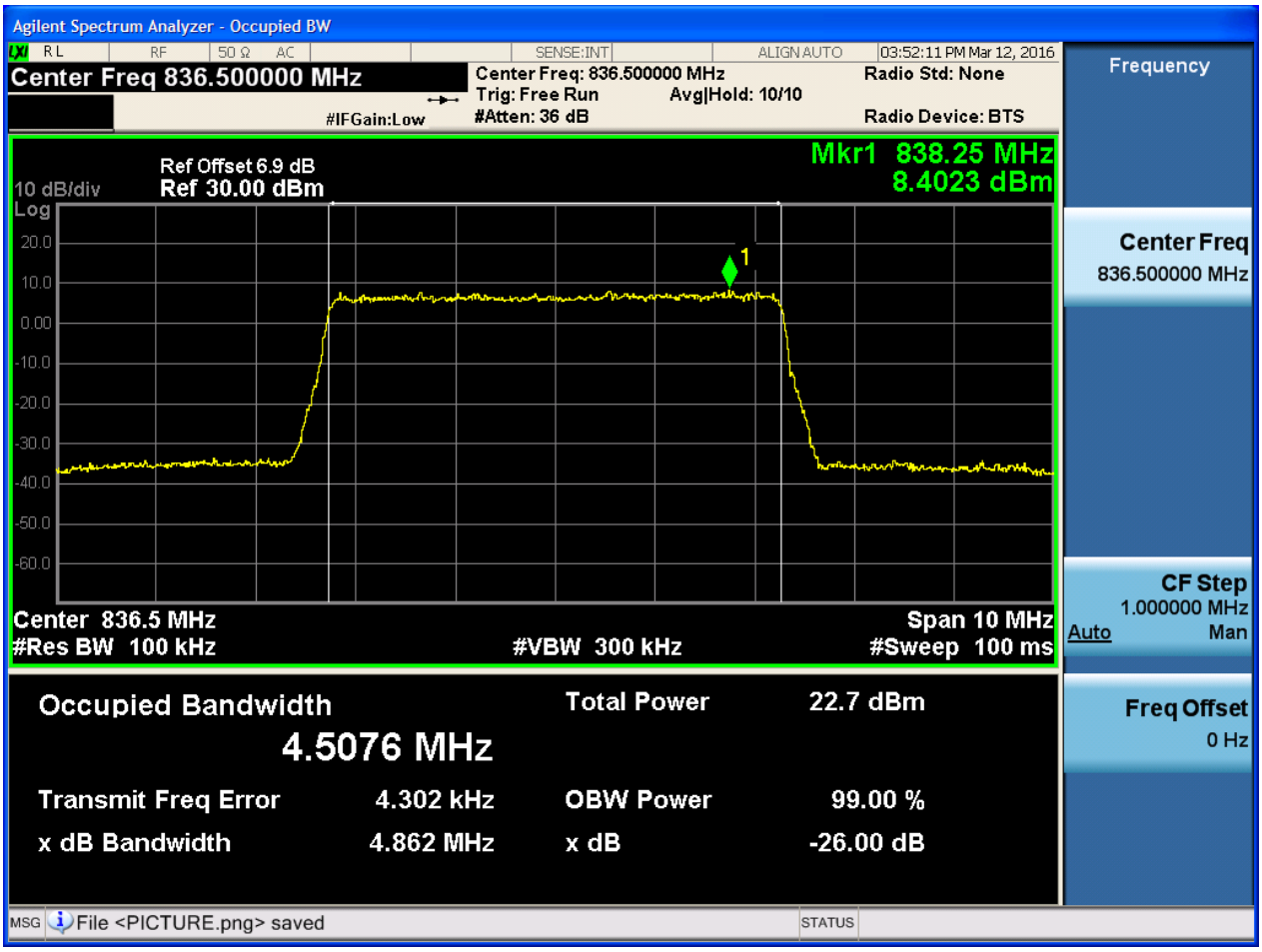
4.1.1.2.1.2 Test Channel = MCH

4.1.1.2.1.2.1 Test RB = RB25#0



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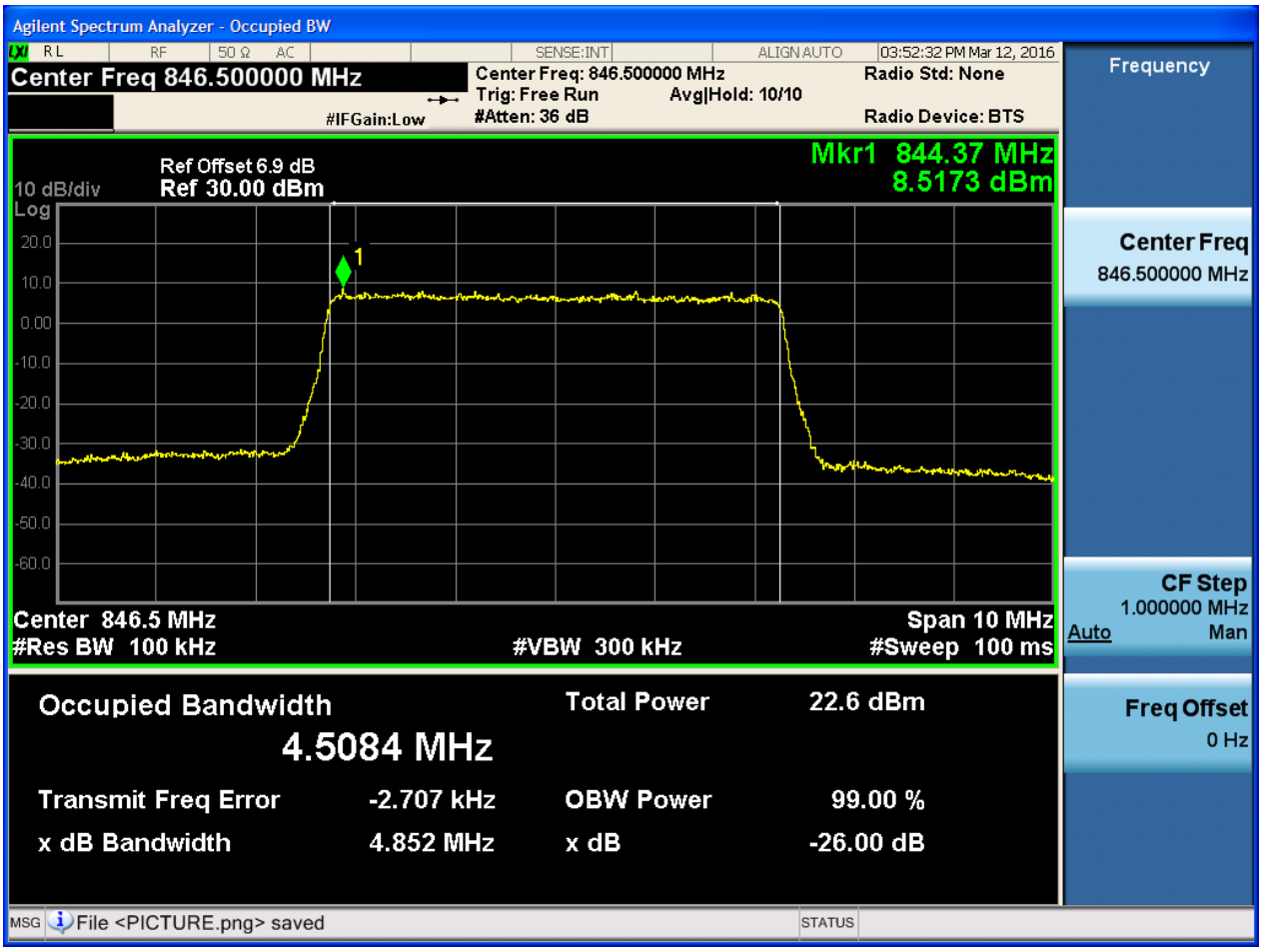
4.1.1.2.1.3 Test Channel = HCH

4.1.1.2.1.3.1 Test RB = RB25#0



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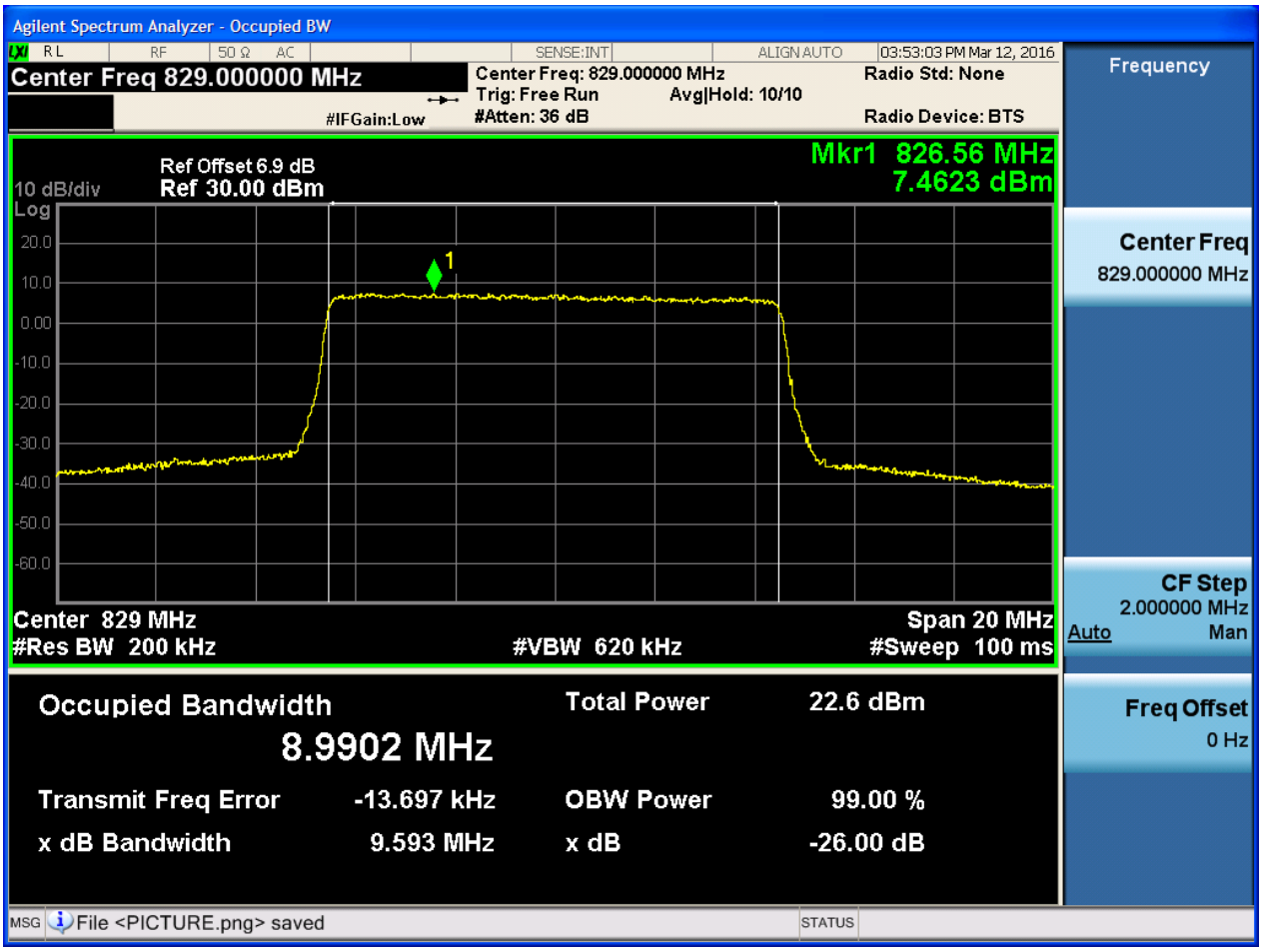
4.1.1.2.2 Test Bandwidth = 10

4.1.1.2.2.1 Test Channel = LCH

4.1.1.2.2.1.1 Test RB = RB50#0



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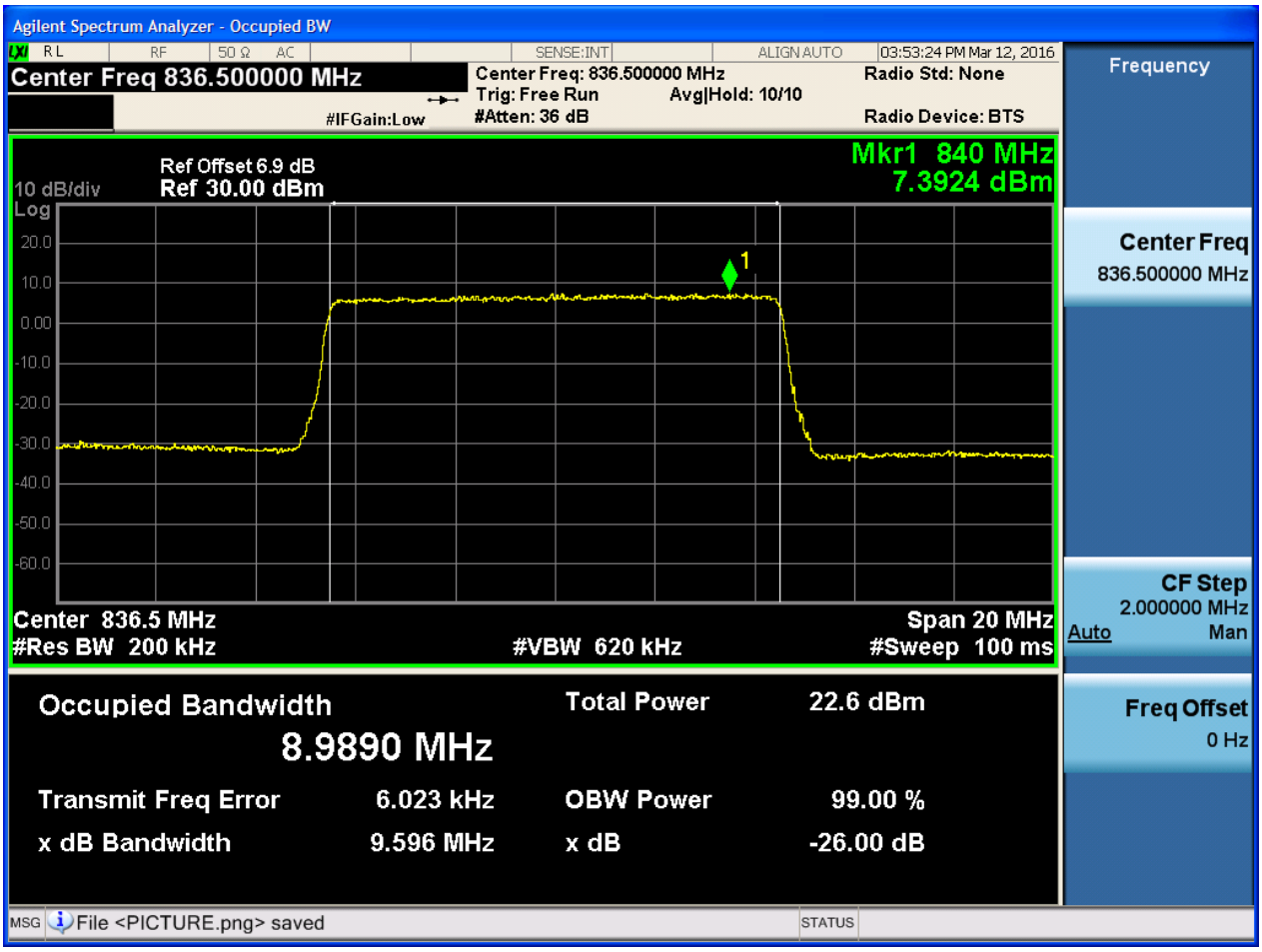
4.1.1.2.2.2 Test Channel = MCH

4.1.1.2.2.2.1 Test RB = RB50#0



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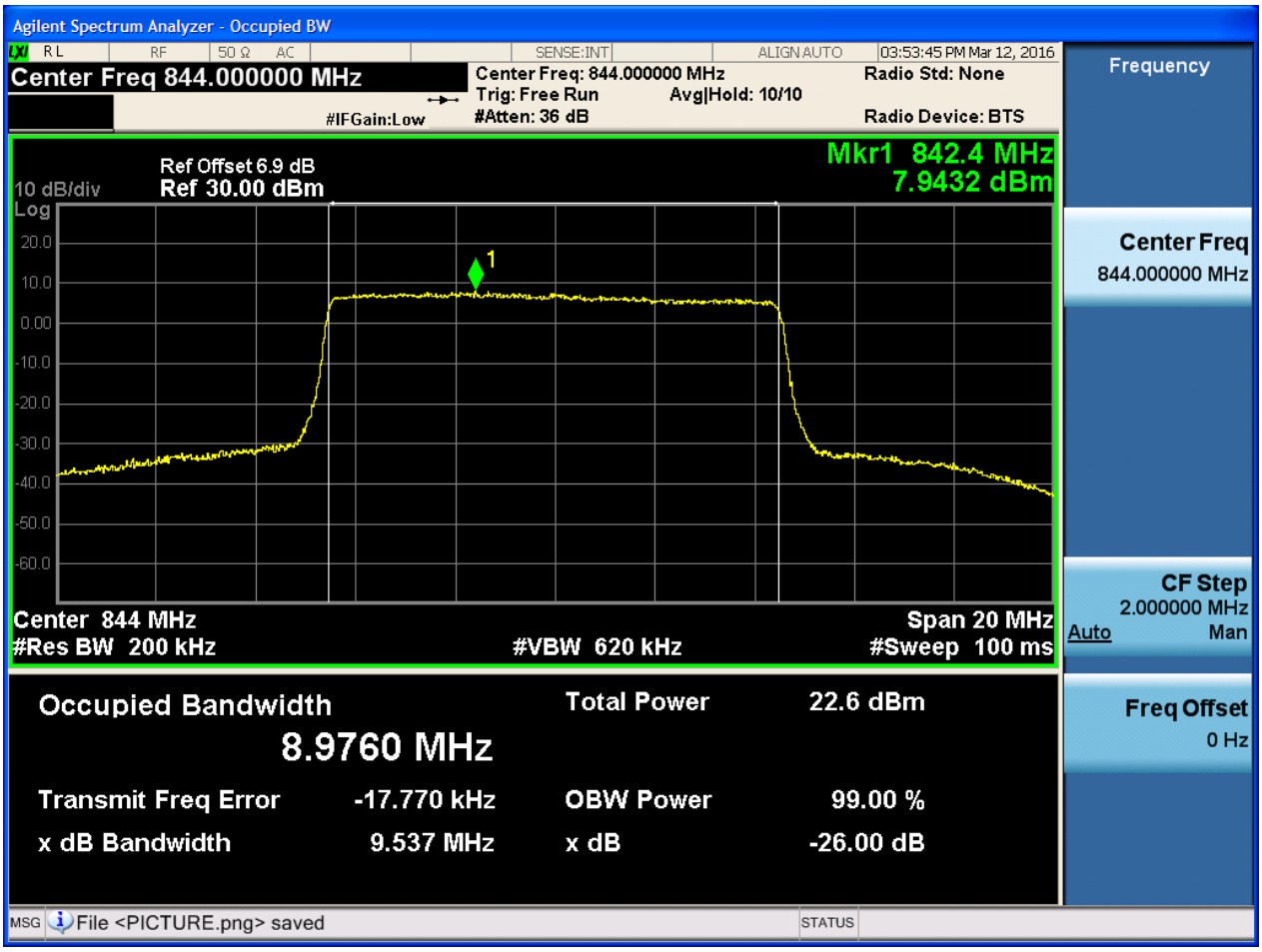
4.1.1.2.2.3 Test Channel = HCH

4.1.1.2.2.3.1 Test RB = RB50#0



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4.2 For LTE

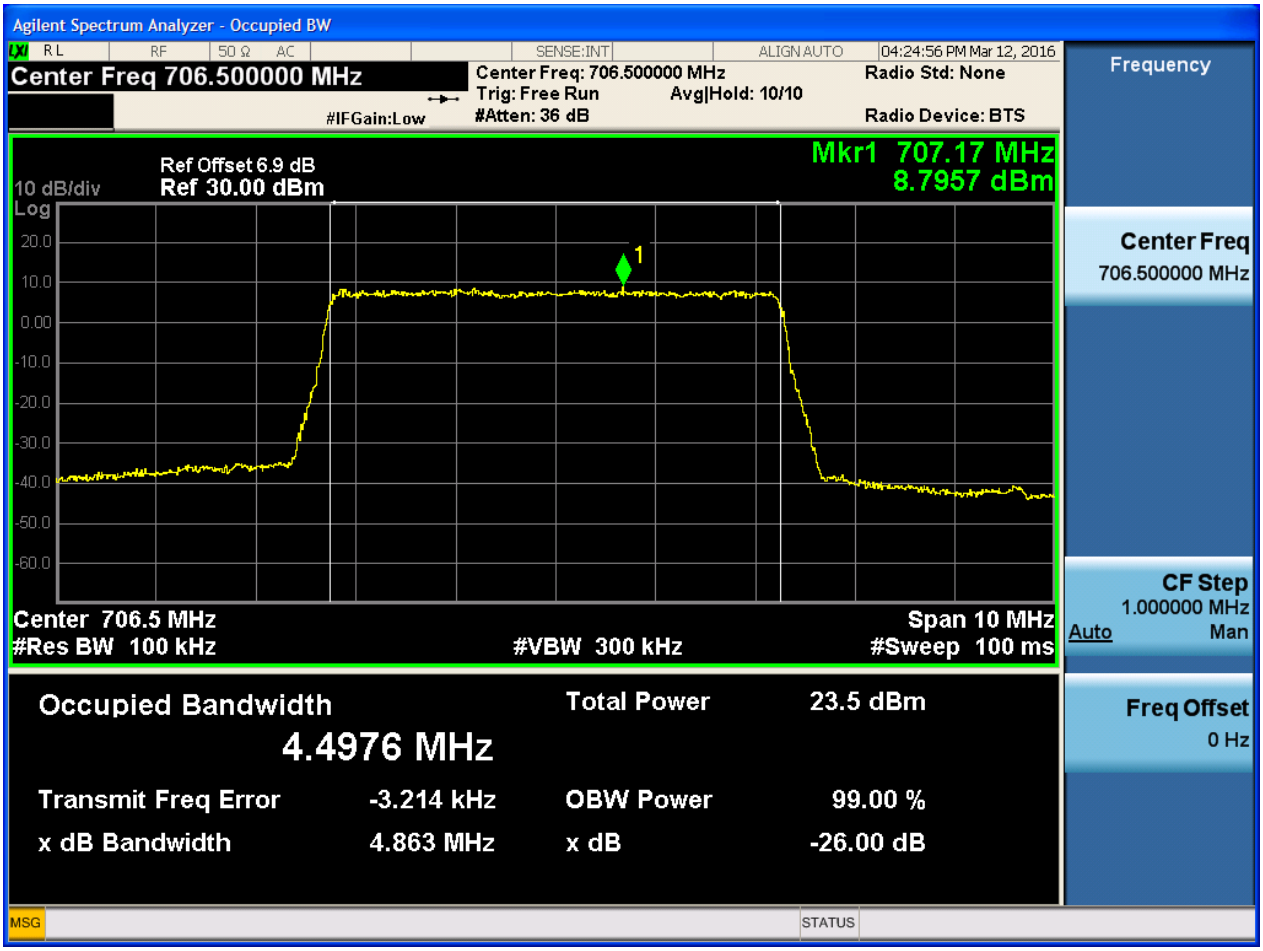
4.2.1 Test Band = BAND17

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



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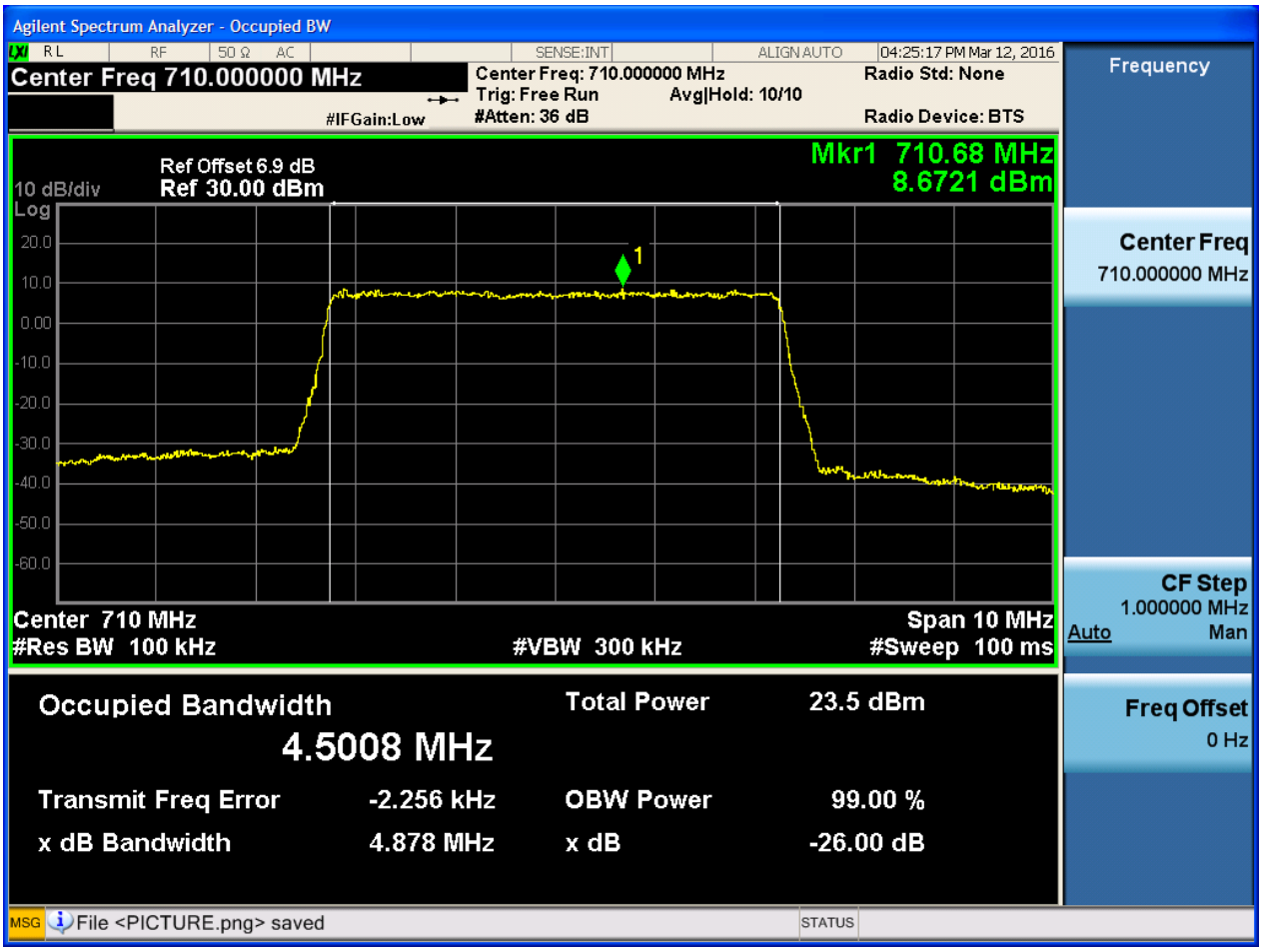
4.2.1.1.1.2 Test Channel = MCH

4.2.1.1.1.2.1 Test RB = RB25#0



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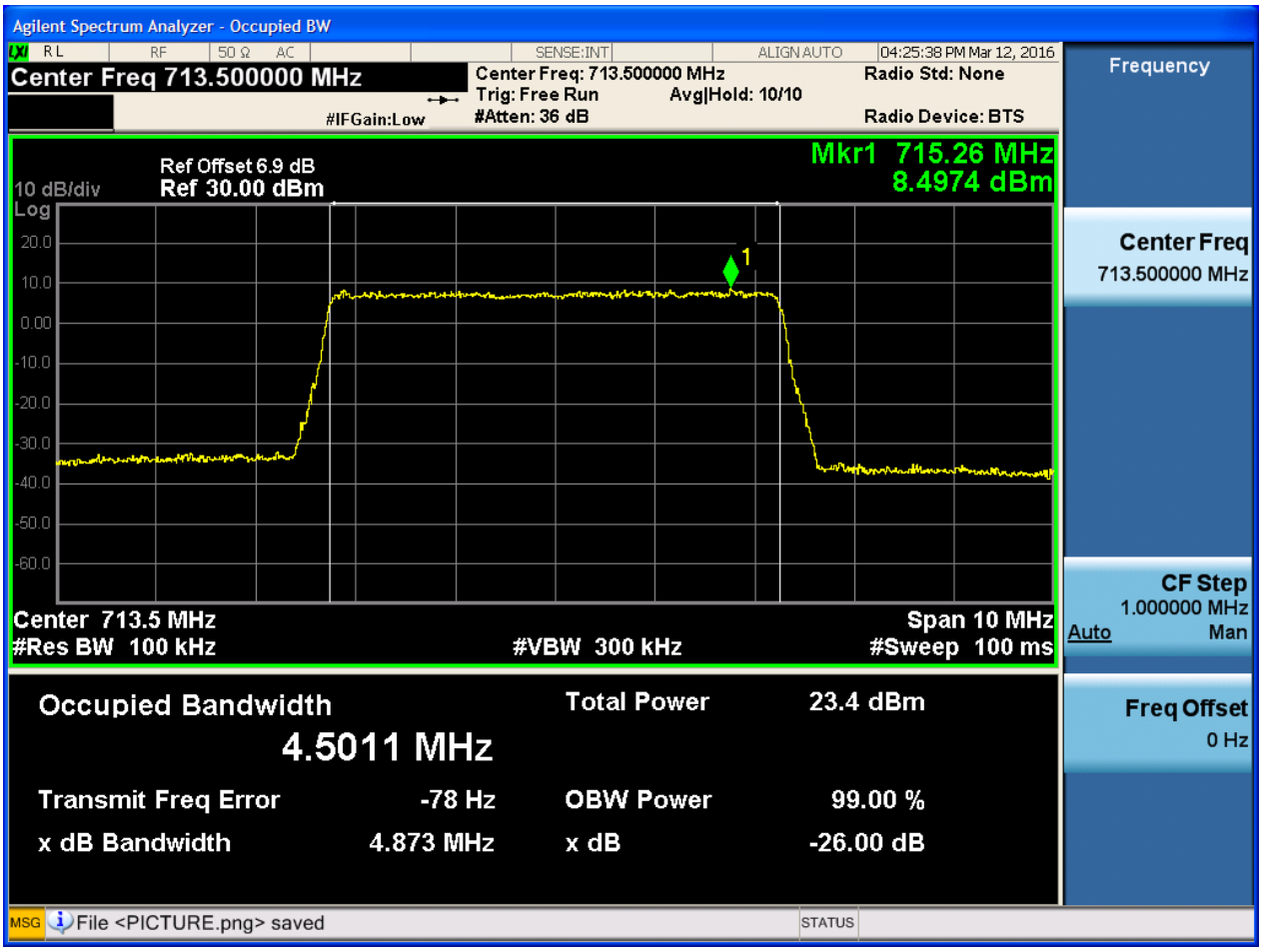
4.2.1.1.1.3 Test Channel = HCH

4.2.1.1.1.3.1 Test RB = RB25#0



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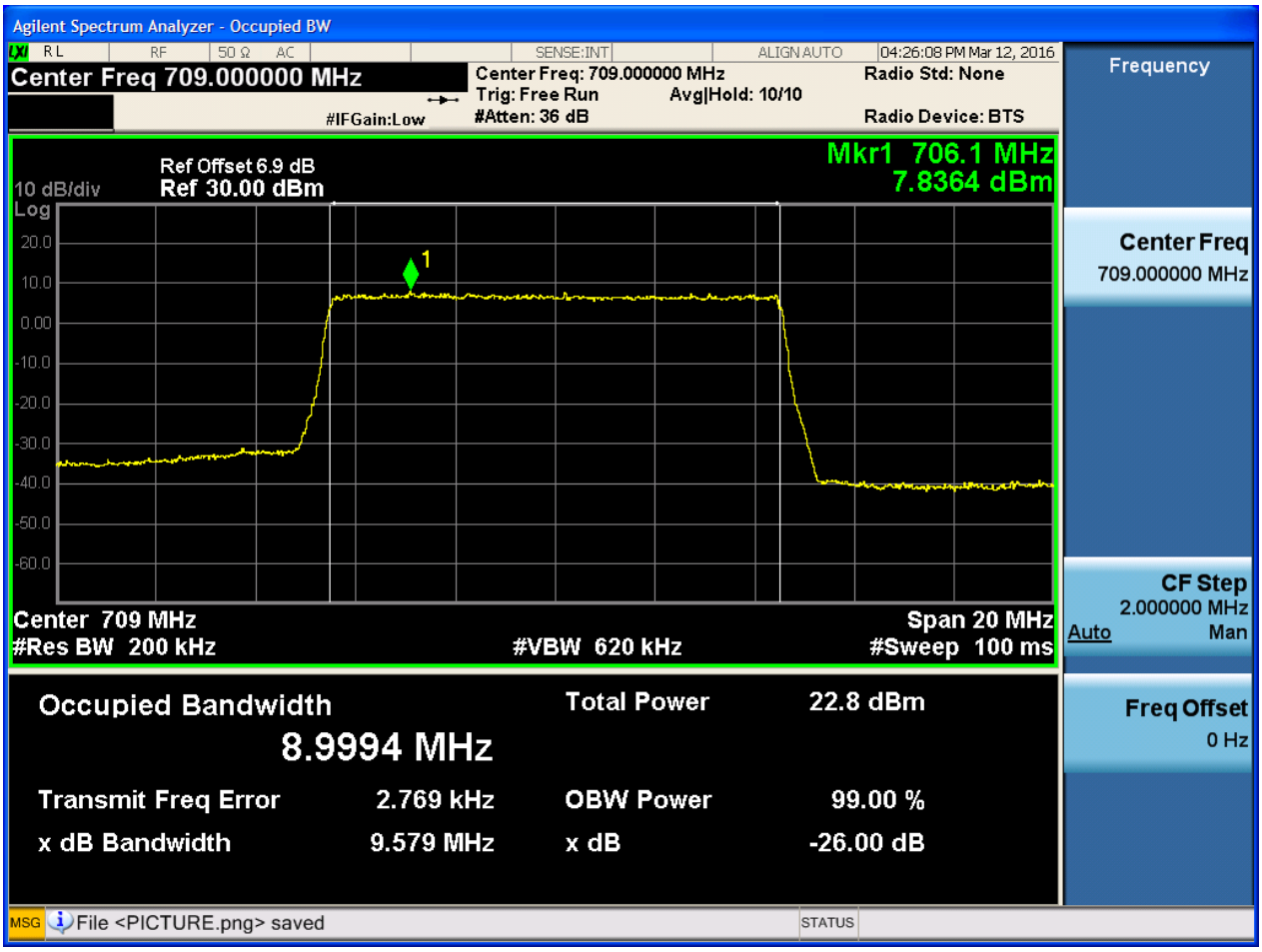
4.2.1.1.2 Test Bandwidth = 10

4.2.1.1.2.1 Test Channel = LCH

4.2.1.1.2.1.1 Test RB = RB50#0



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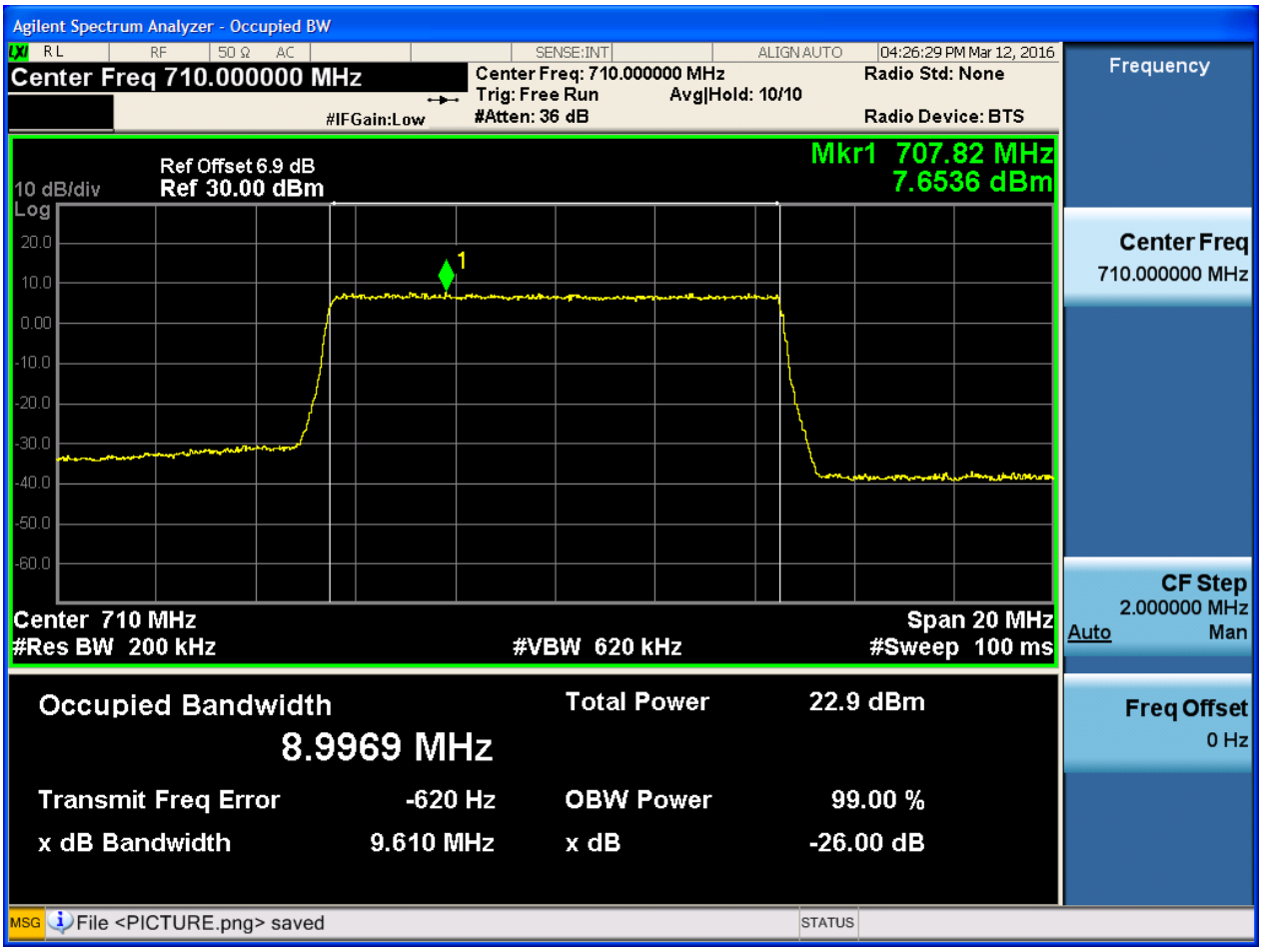
4.2.1.1.2.2 Test Channel = MCH

4.2.1.1.2.2.1 Test RB = RB50#0



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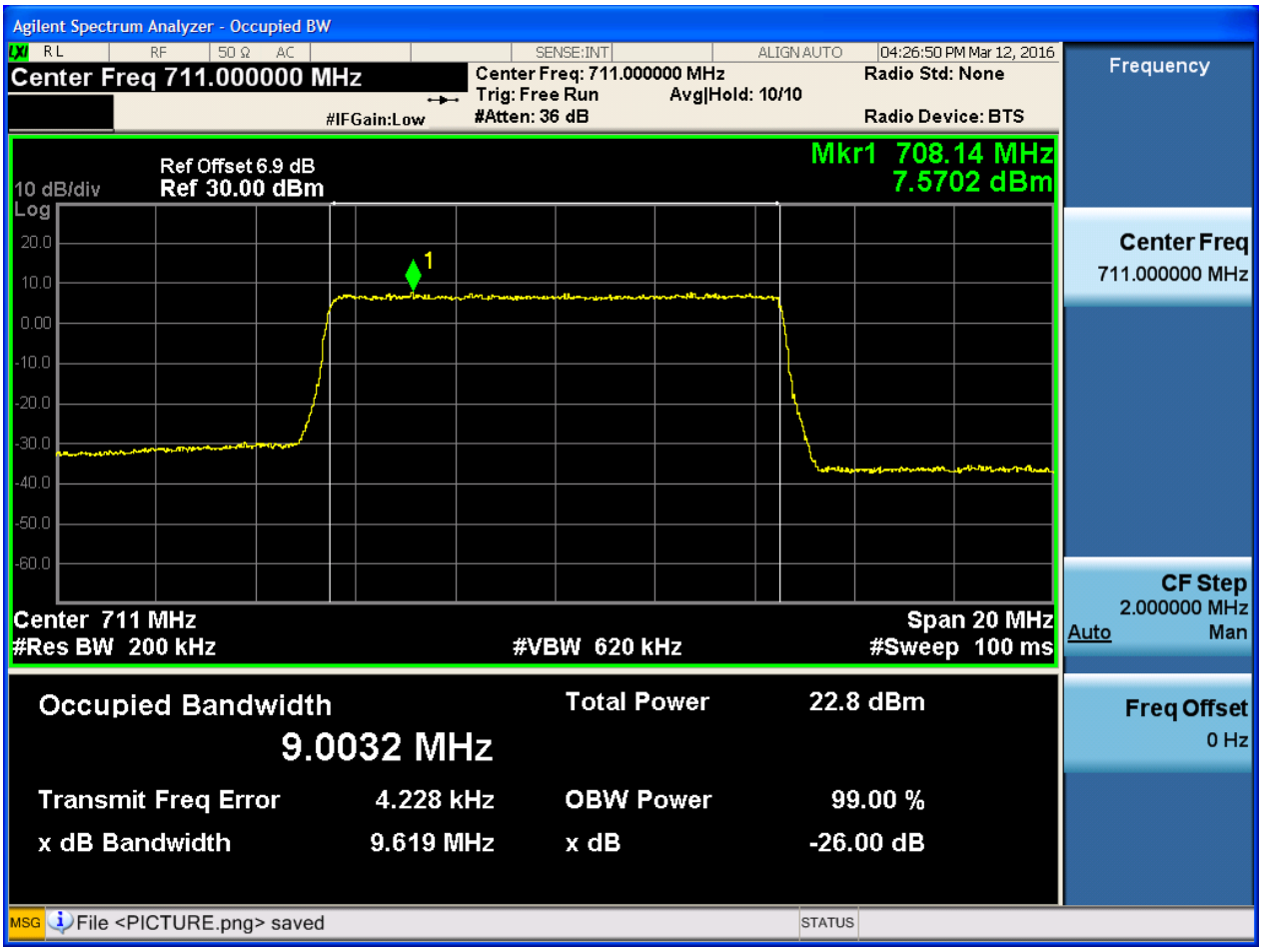
4.2.1.1.2.3 Test Channel = HCH

4.2.1.1.2.3.1 Test RB = RB50#0



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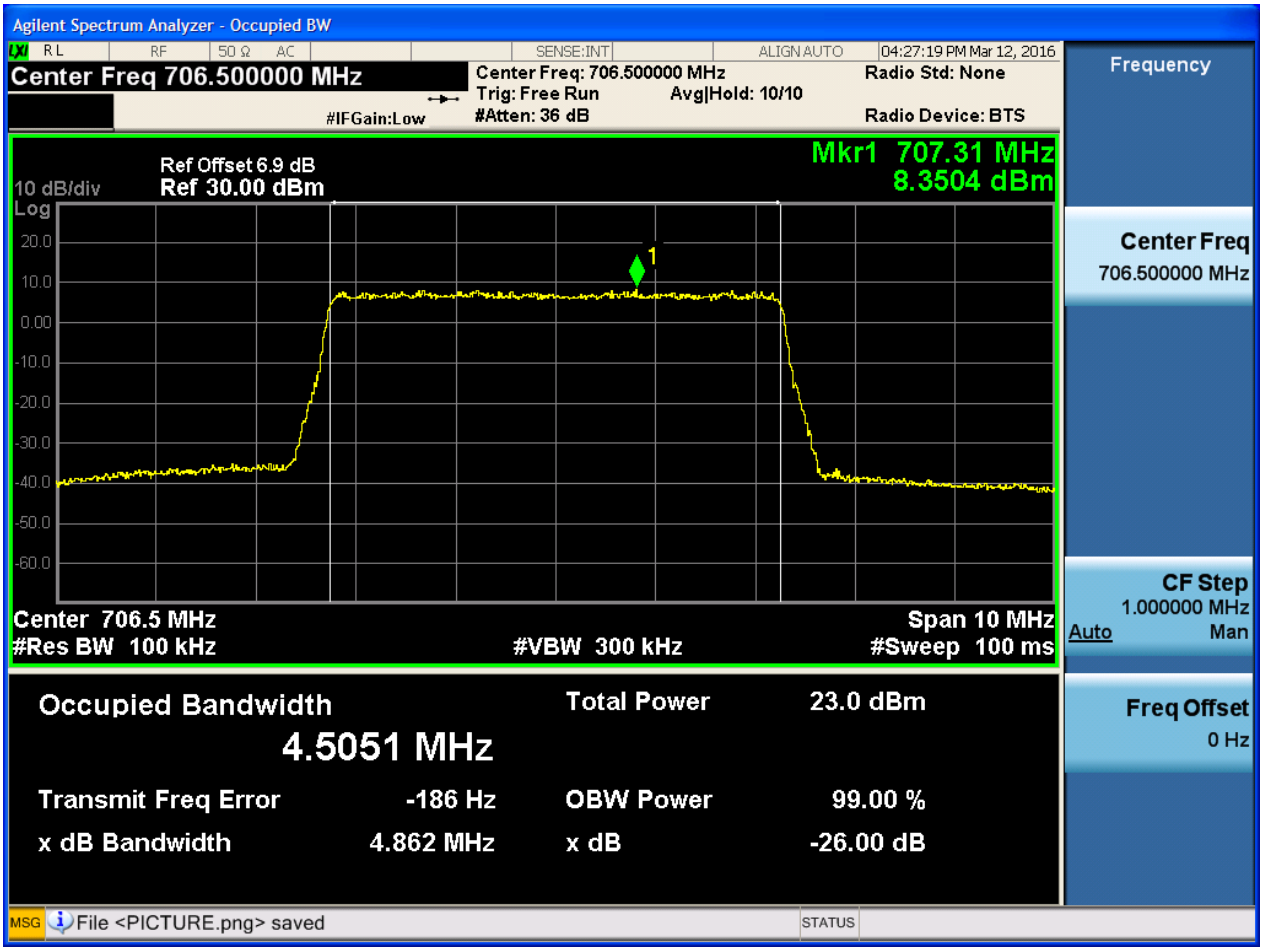
4.2.1.2 Test Mode = LTE/TM2

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



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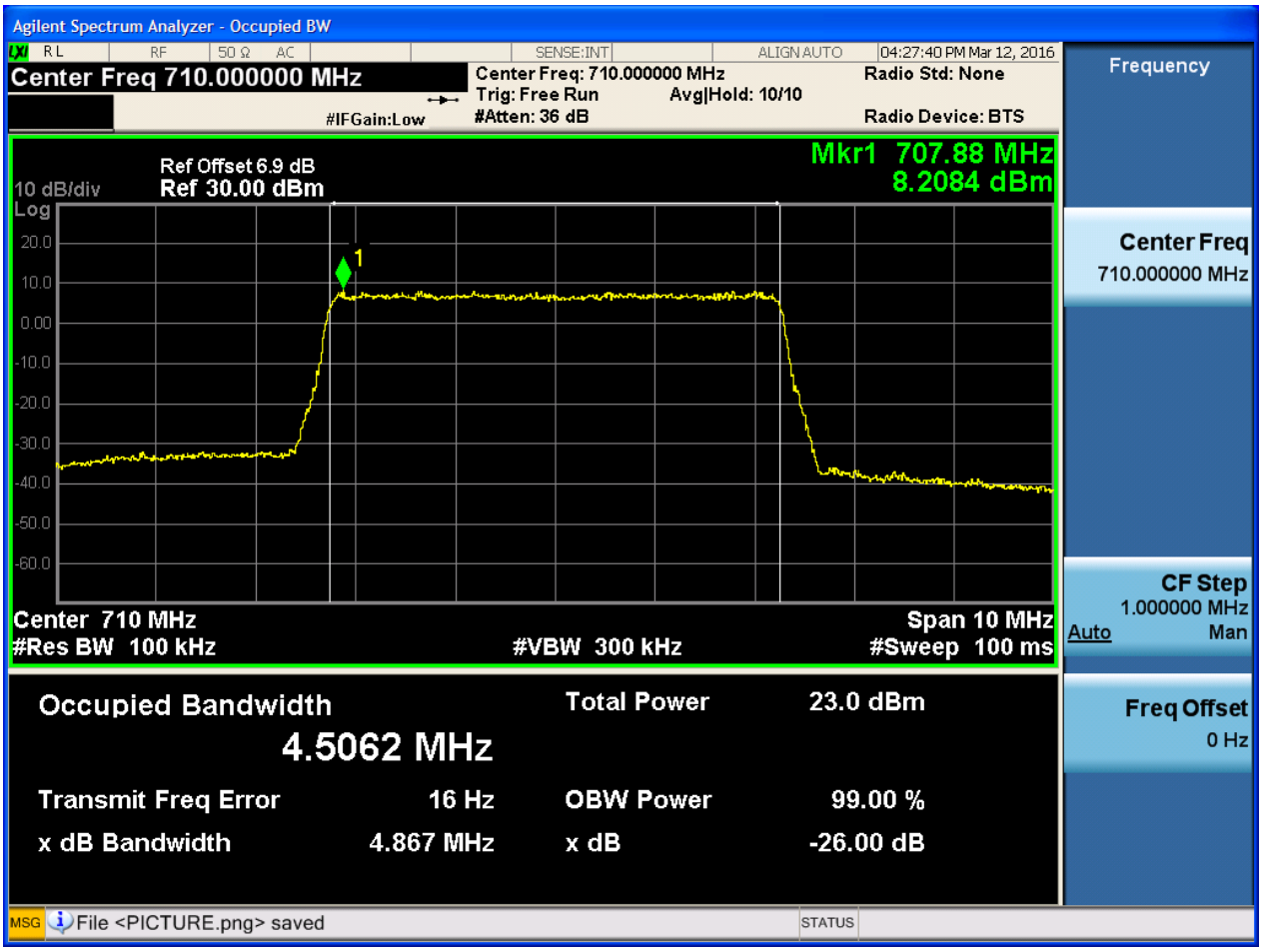
4.2.1.2.1.2 Test Channel = MCH

4.2.1.2.1.2.1 Test RB = RB25#0



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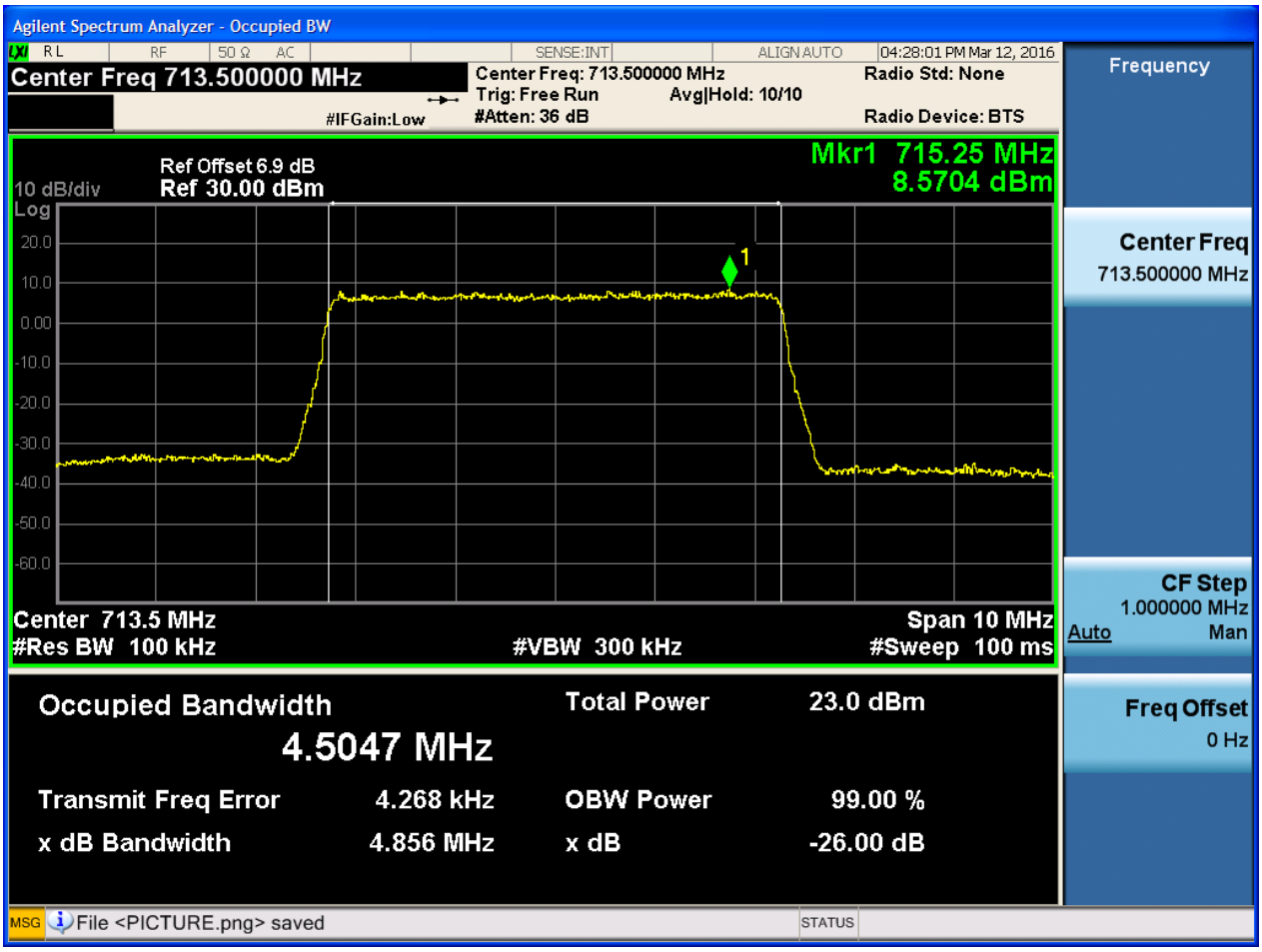
4.2.1.2.1.3 Test Channel = HCH

4.2.1.2.1.3.1 Test RB = RB25#0



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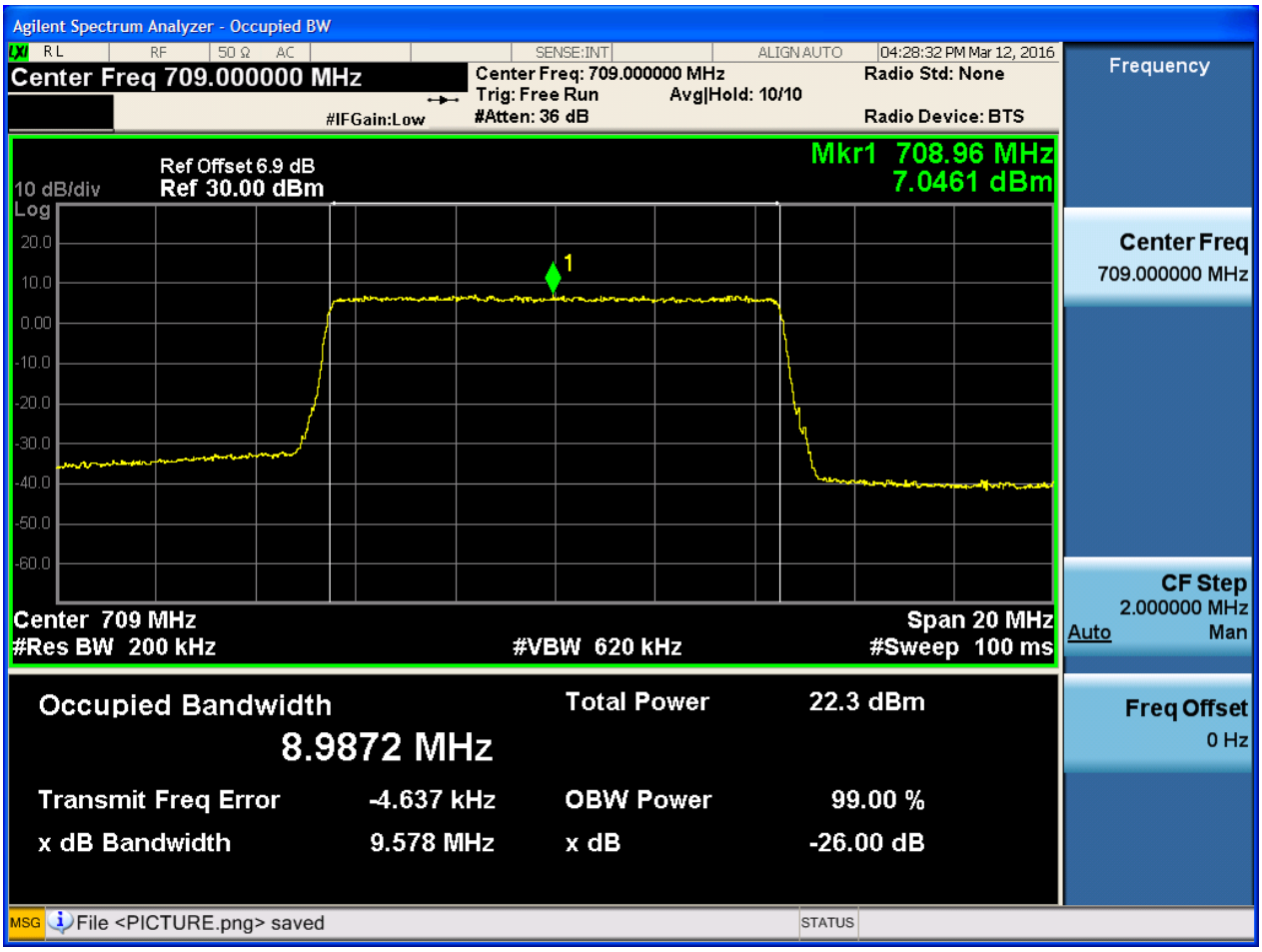
4.2.1.2.2 Test Bandwidth = 10

4.2.1.2.2.1 Test Channel = LCH

4.2.1.2.2.1.1 Test RB = RB50#0



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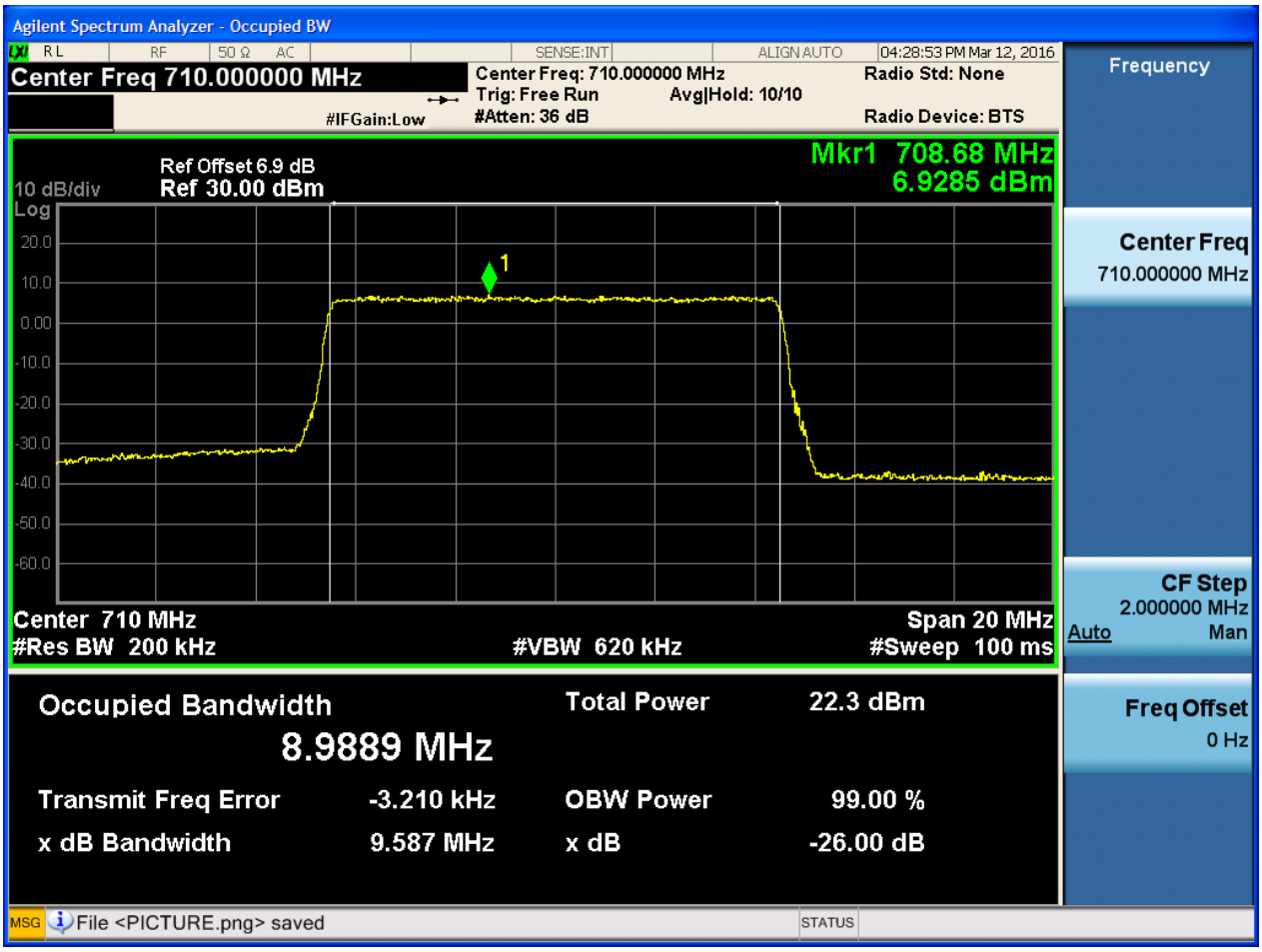
4.2.1.2.2.2 Test Channel = MCH

4.2.1.2.2.2.1 Test RB = RB50#0



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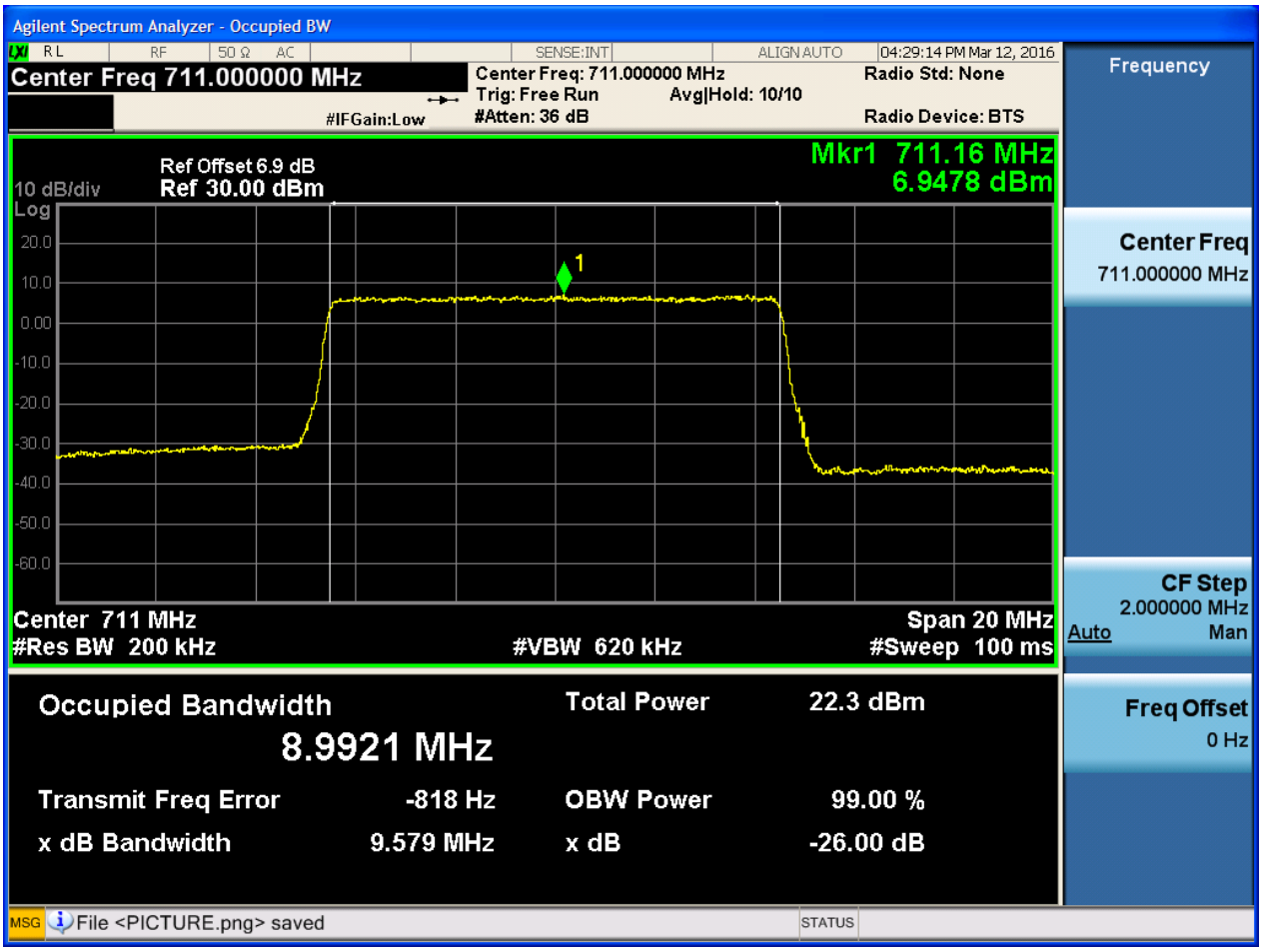
4.2.1.2.2.3 Test Channel = HCH

4.2.1.2.2.3.1 Test RB = RB50#0



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5Appendix_E: Band Edges Compliance

Part I - Test Plots

5.1 For LTE

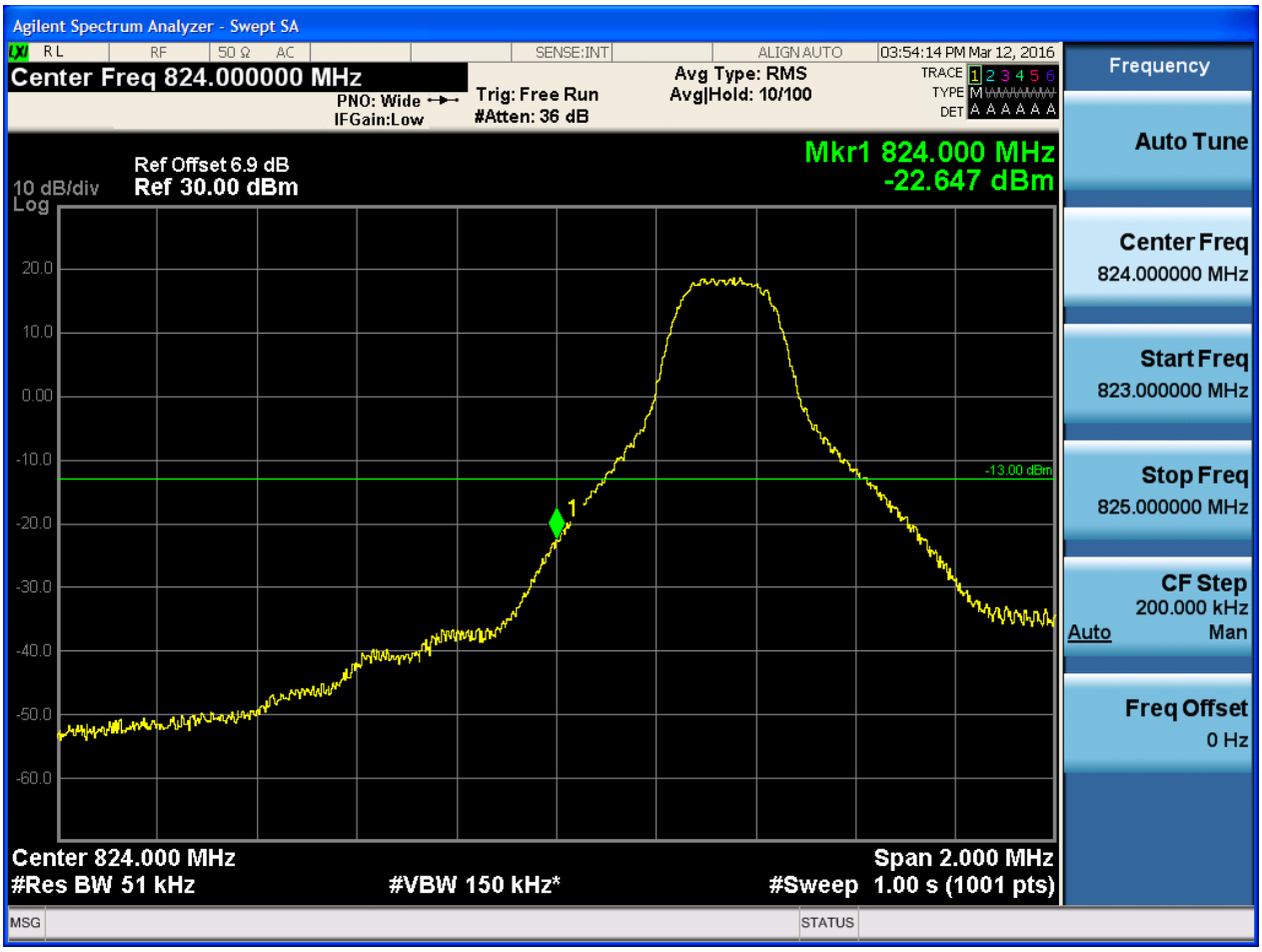
5.1.1 Test Band = BAND5

5.1.1.1 Test Mode = LTE/TM1

5.1.1.1.1 Test Bandwidth = 5

5.1.1.1.1.1 Test Channel = LCH

5.1.1.1.1.1.1 Test RB = RB1#0



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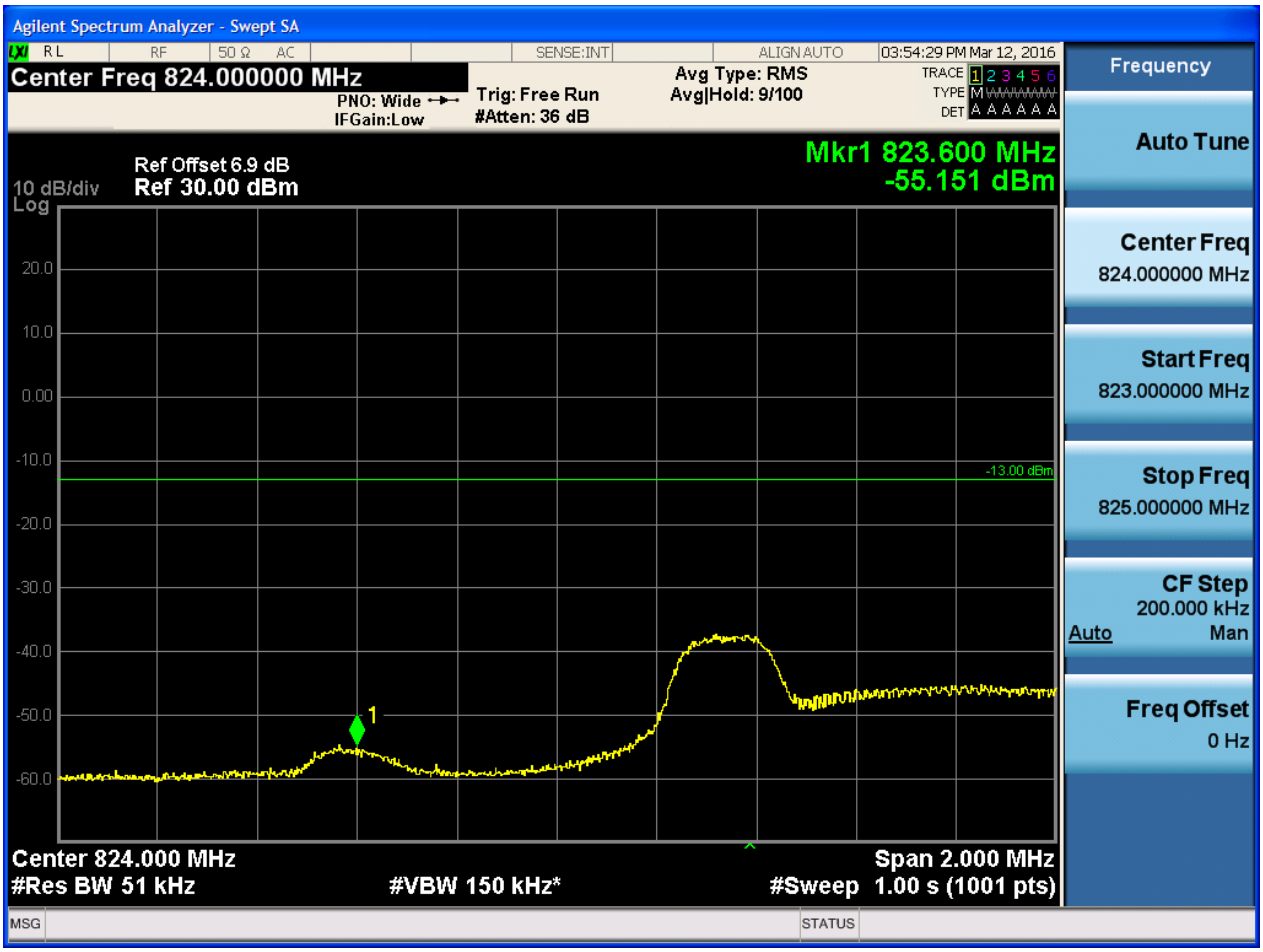
5.1.1.1.1.1.2 Test RB = RB1#24



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5.1.1.1.1.1.3 Test RB = RB12#6

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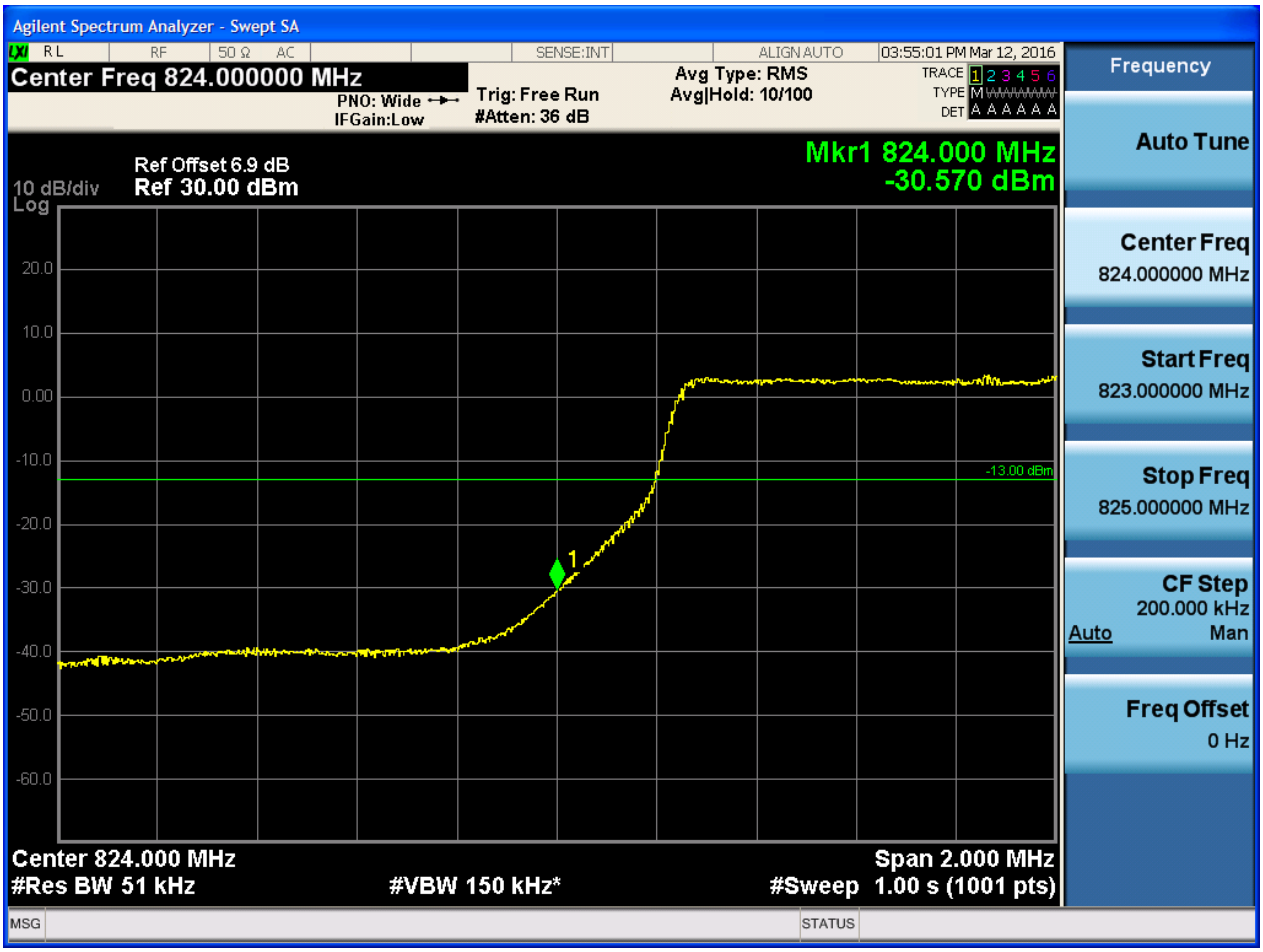
5.1.1.1.1.1.4 Test RB = RB25#0



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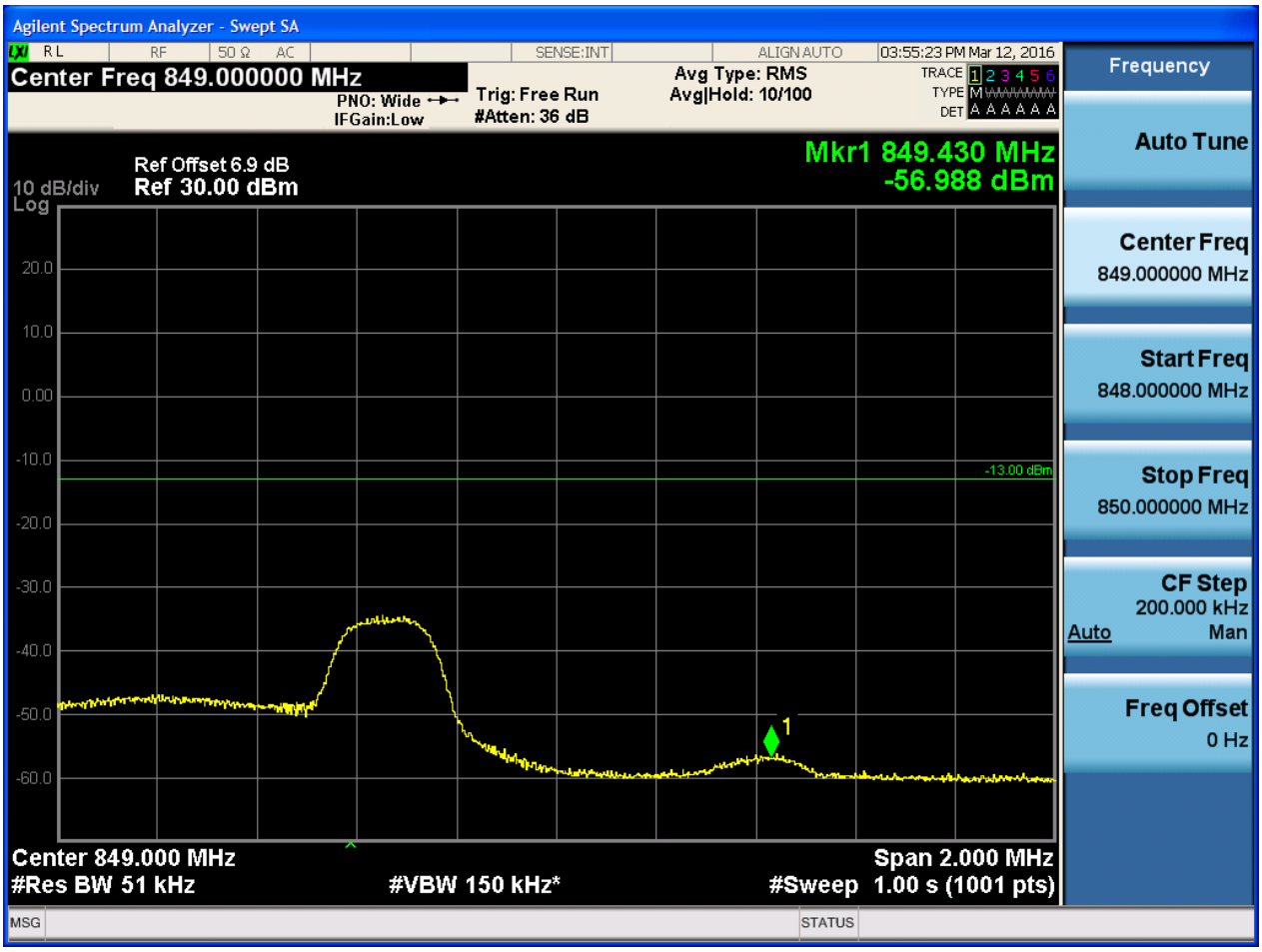
5.1.1.1.1.2 Test Channel = HCH

5.1.1.1.1.2.1 Test RB = RB1#0



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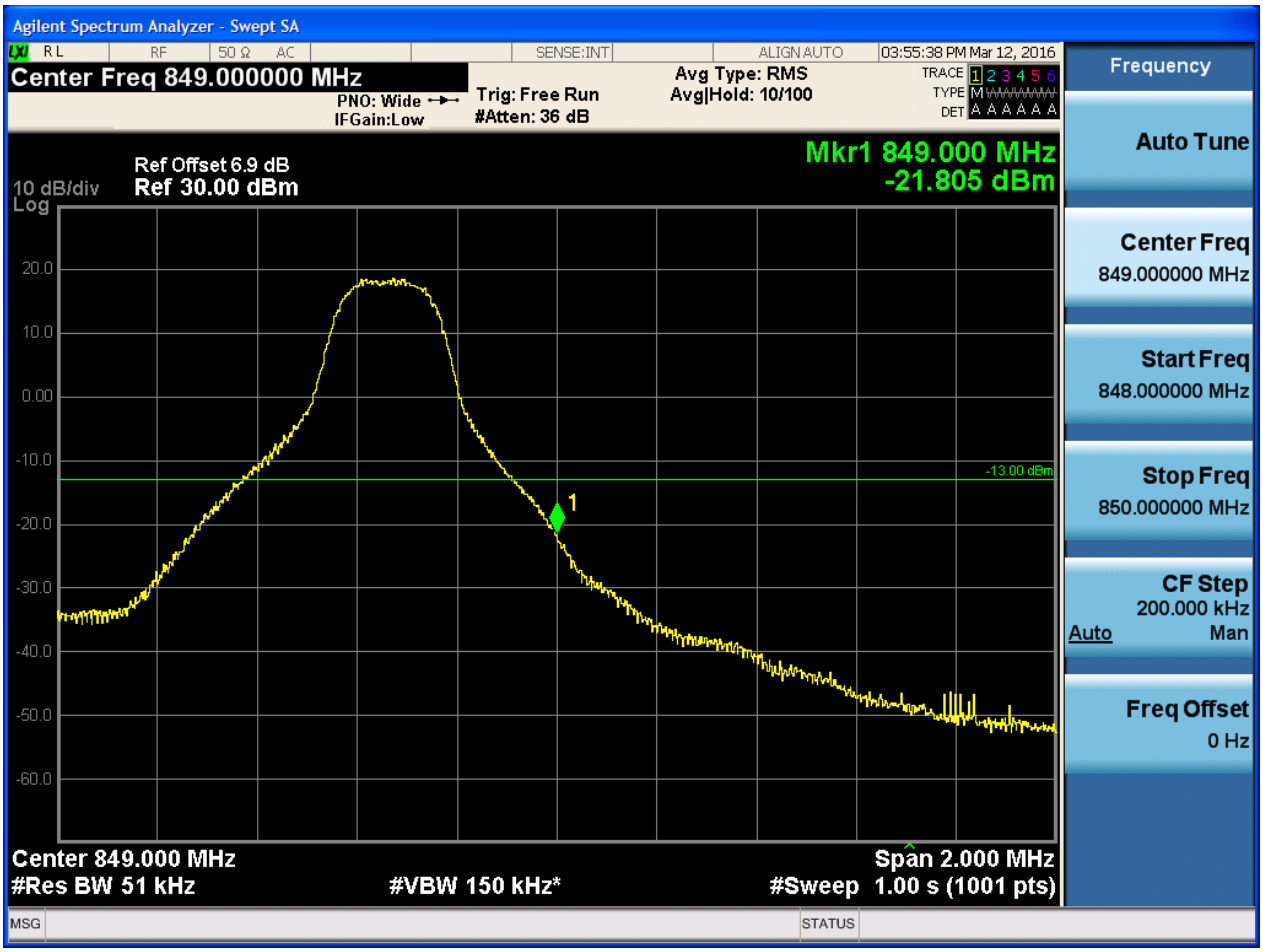
5.1.1.1.1.2.2 Test RB = RB1#24



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5.1.1.1.1.2.3 Test RB = RB12#6

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5.1.1.1.1.2.4 Test RB = RB25#0

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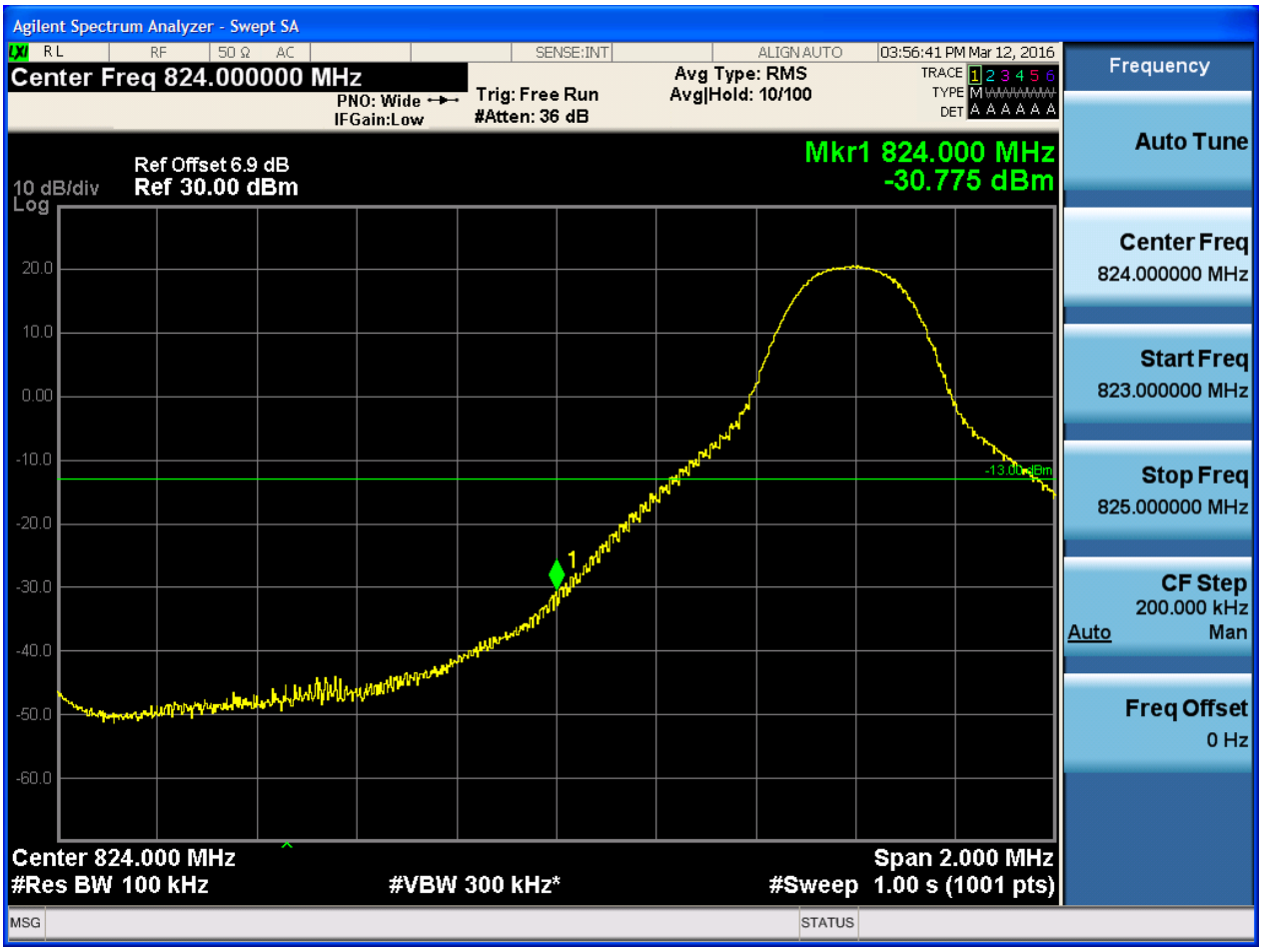
5.1.1.1.2 Test Bandwidth = 10

5.1.1.1.2.1 Test Channel = LCH

5.1.1.1.2.1.1 Test RB = RB1#0



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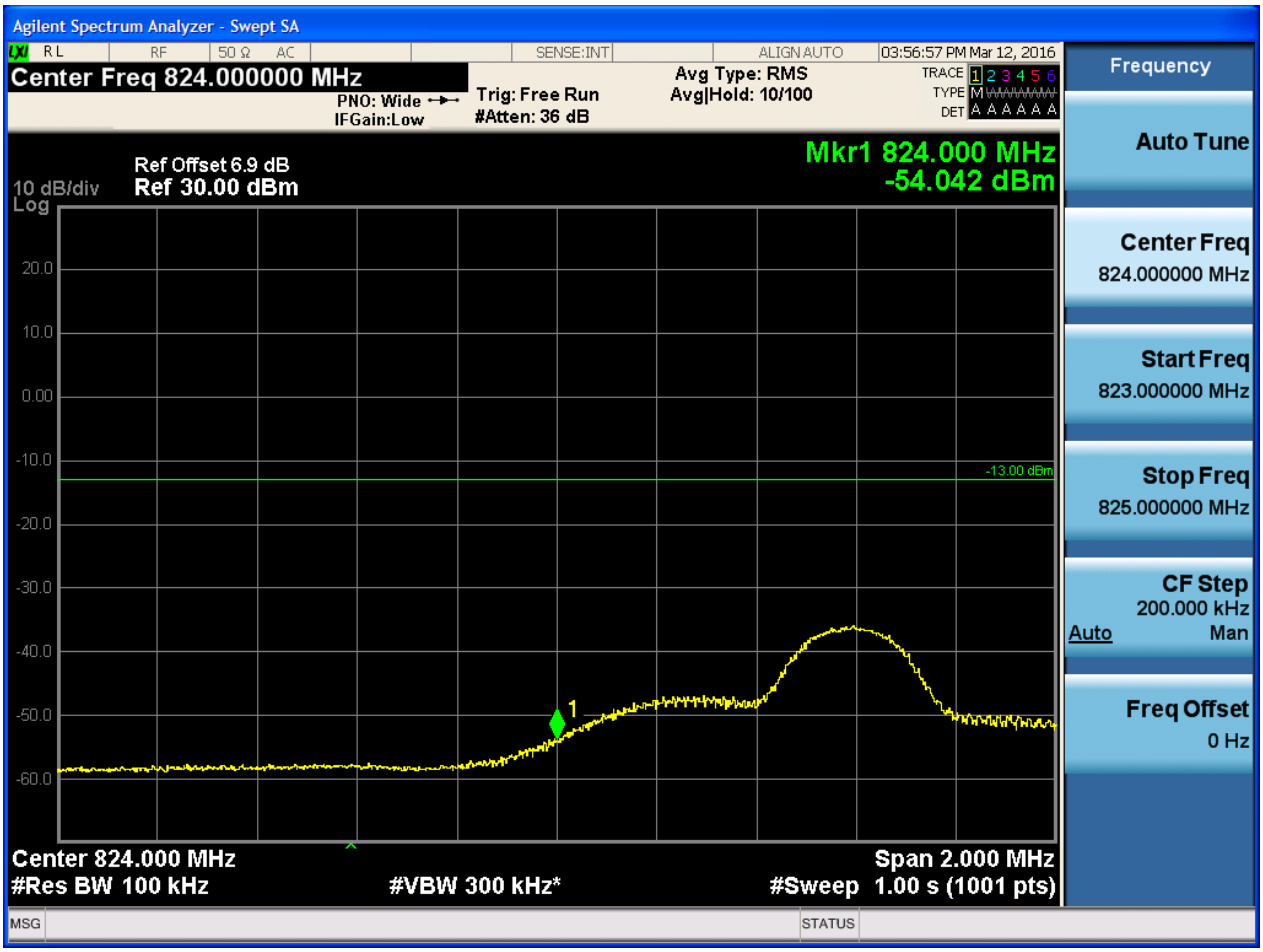
5.1.1.1.2.1.2 Test RB = RB1#49



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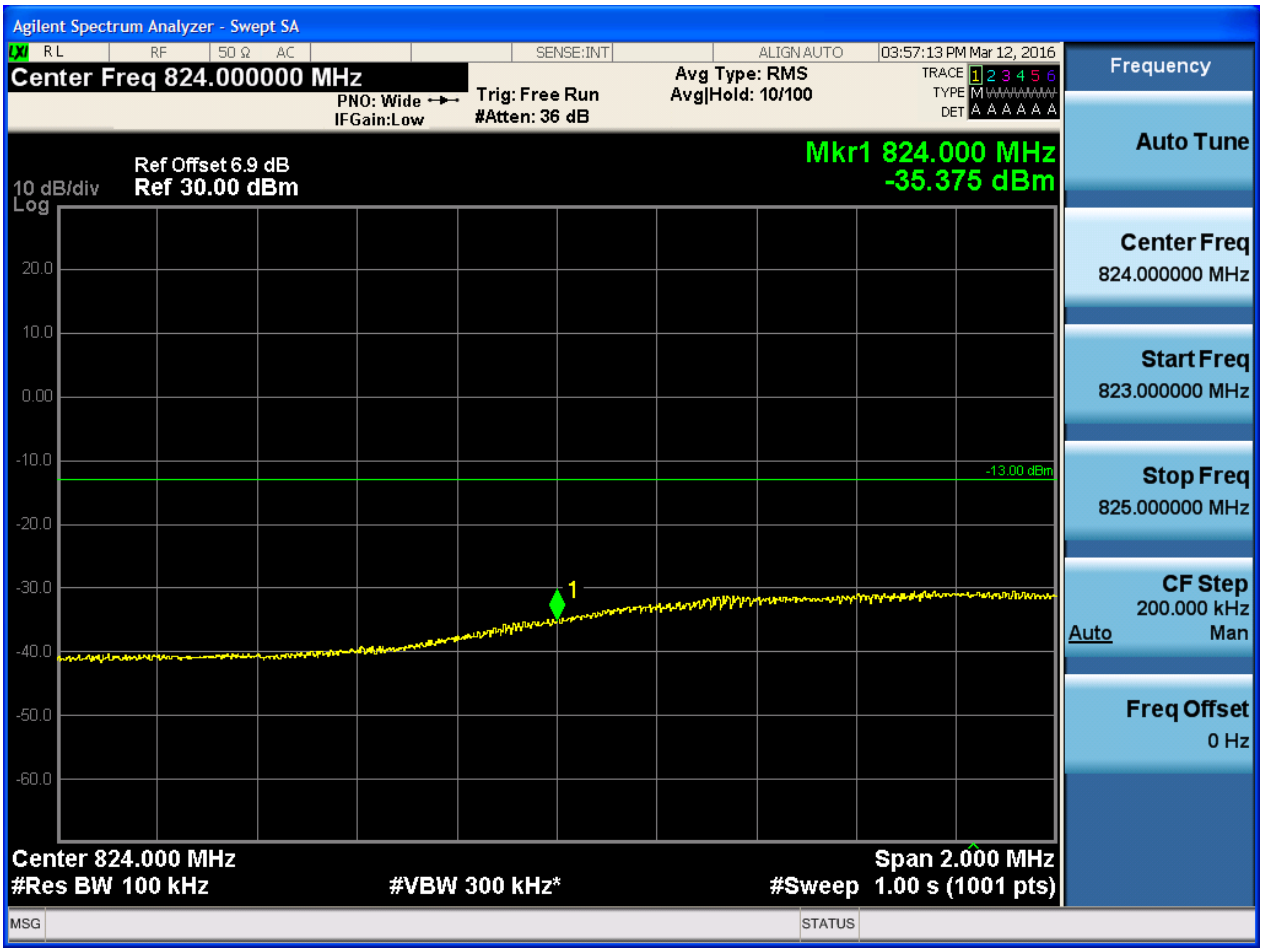
5.1.1.1.2.1.3 Test RB = RB25#13



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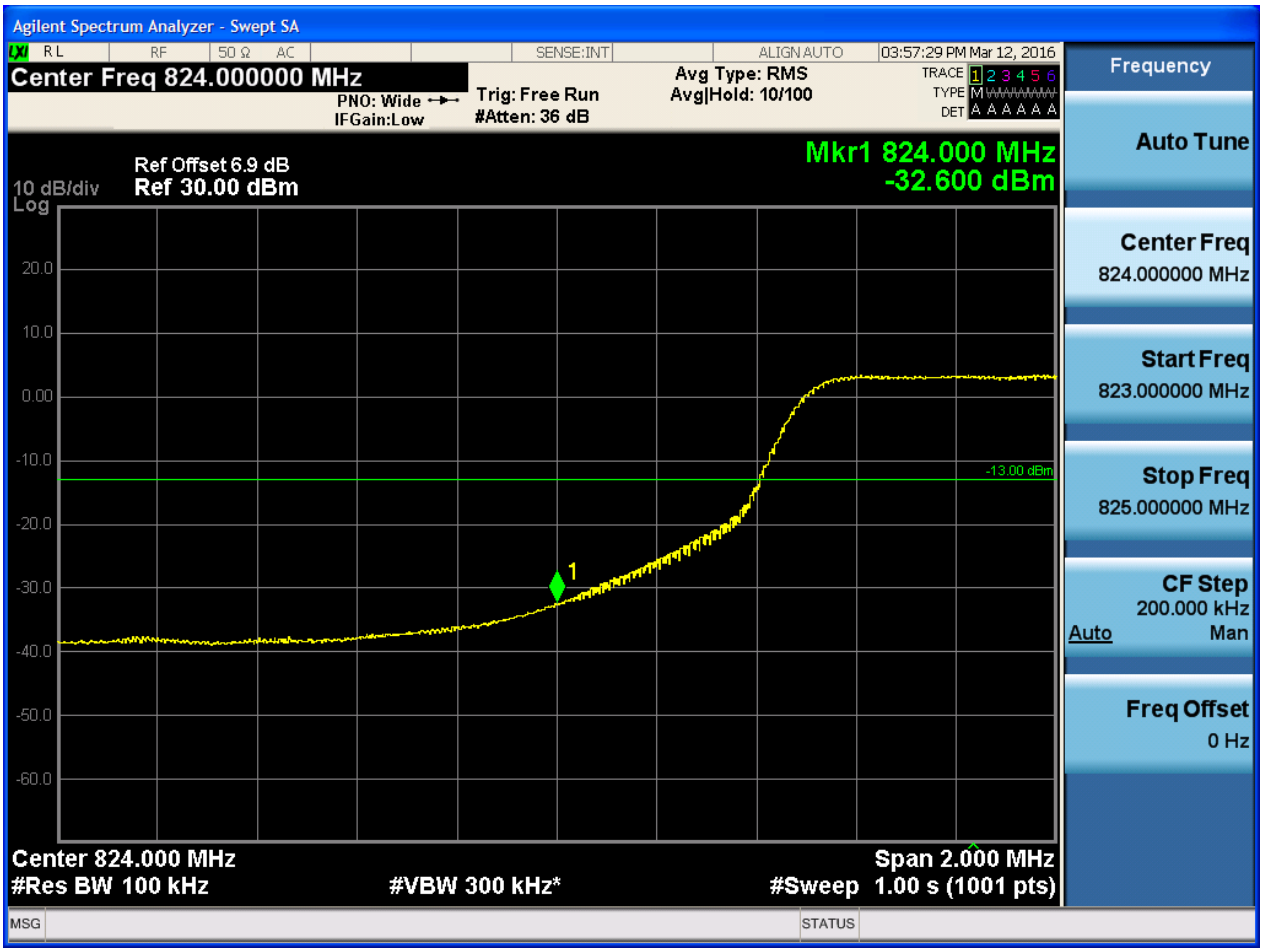
5.1.1.1.2.1.4 Test RB = RB50#0



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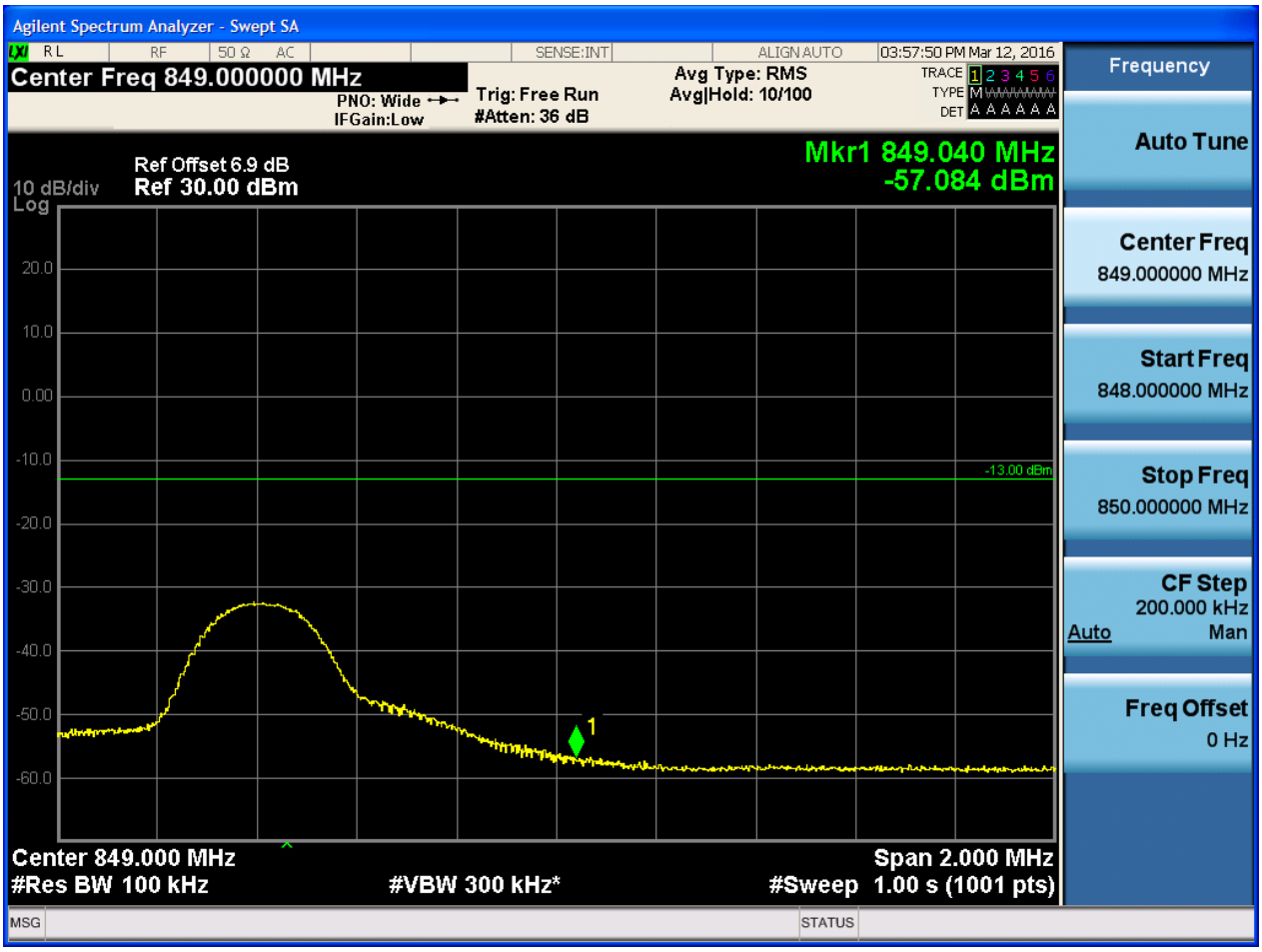
5.1.1.1.2.2 Test Channel = HCH

5.1.1.1.2.2.1 Test RB = RB1#0



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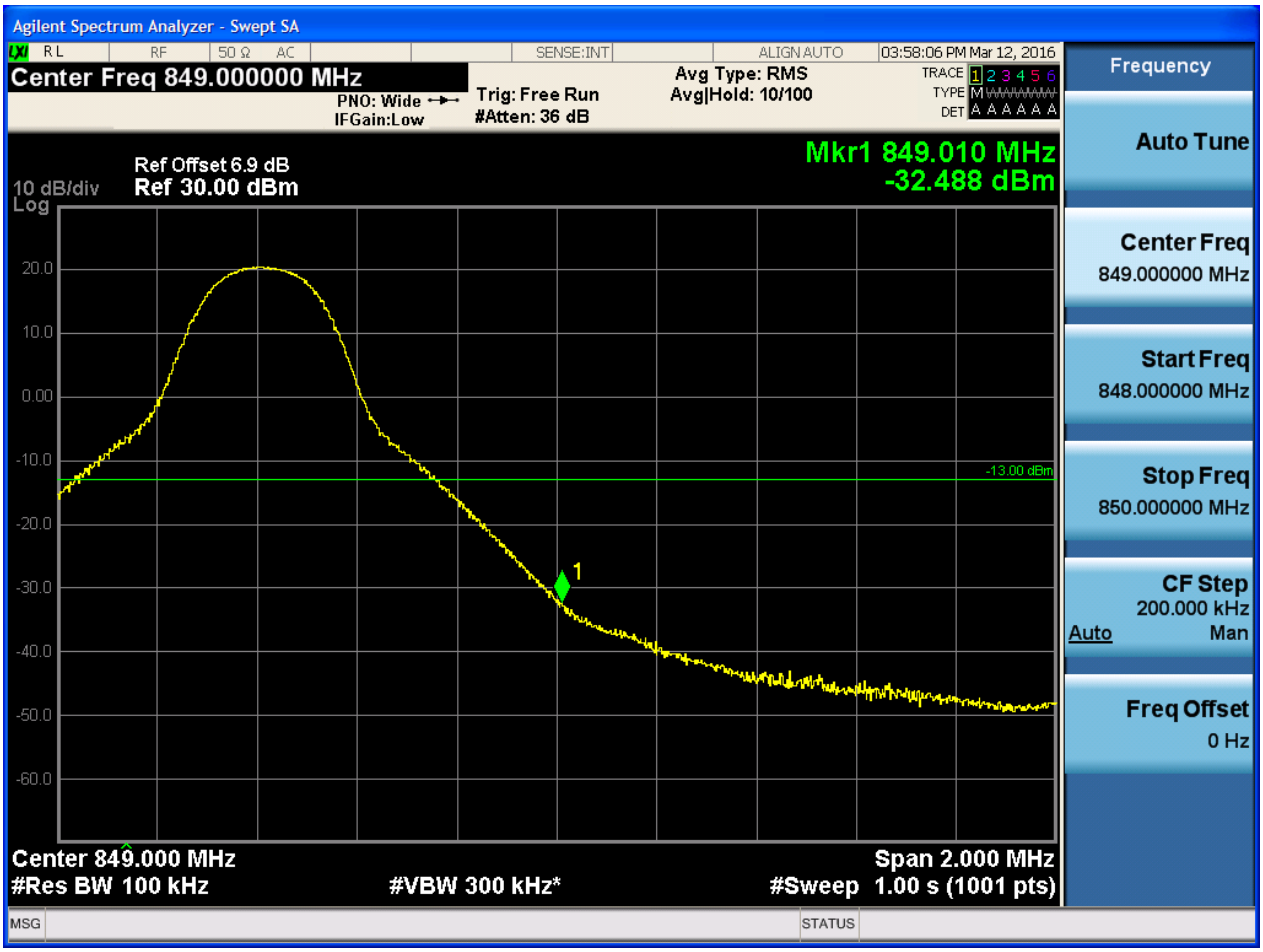
5.1.1.1.2.2.2 Test RB = RB1#49



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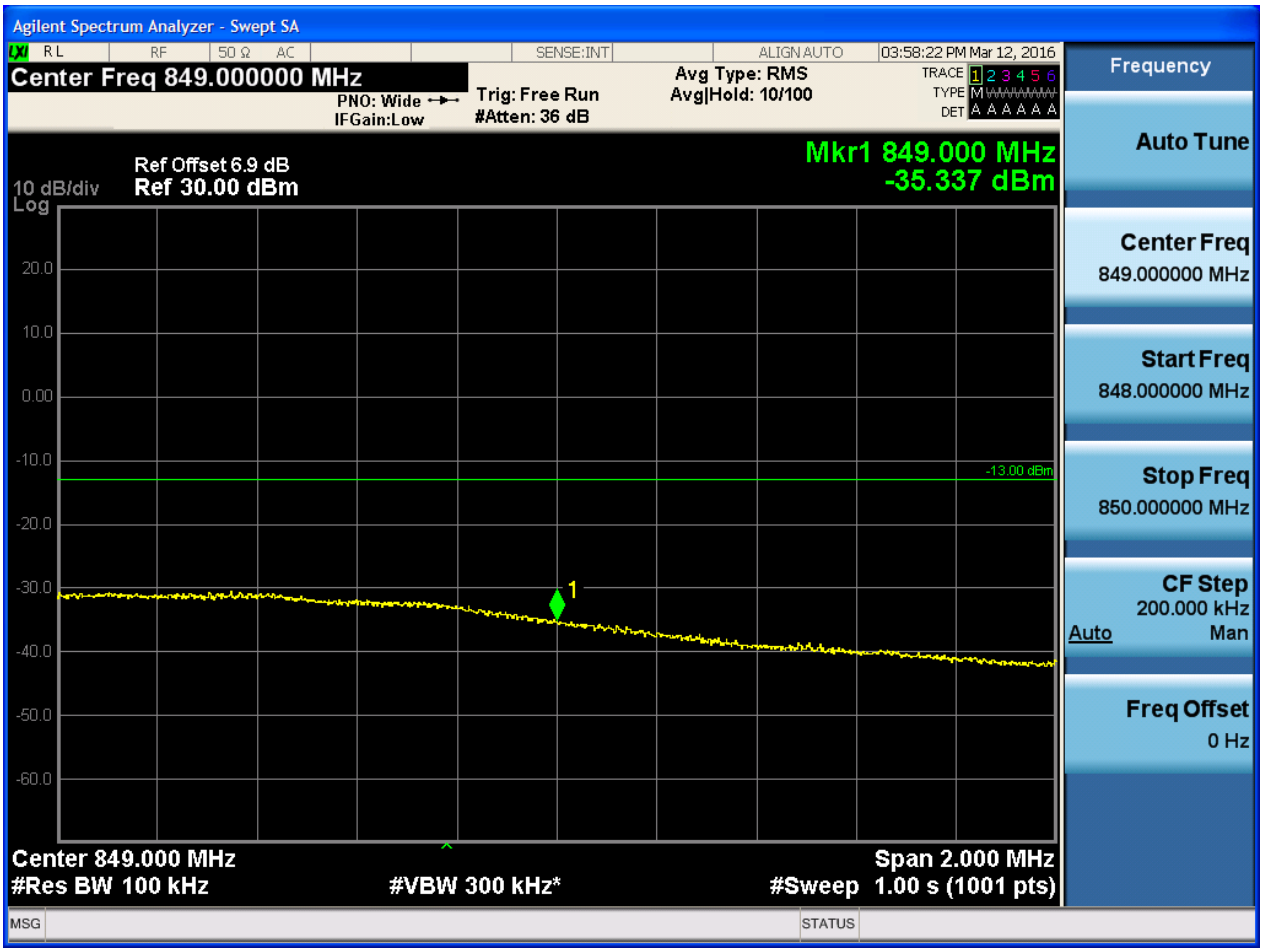
5.1.1.1.2.2.3 Test RB = RB25#13



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5.1.1.1.2.2.4 Test RB = RB50#0

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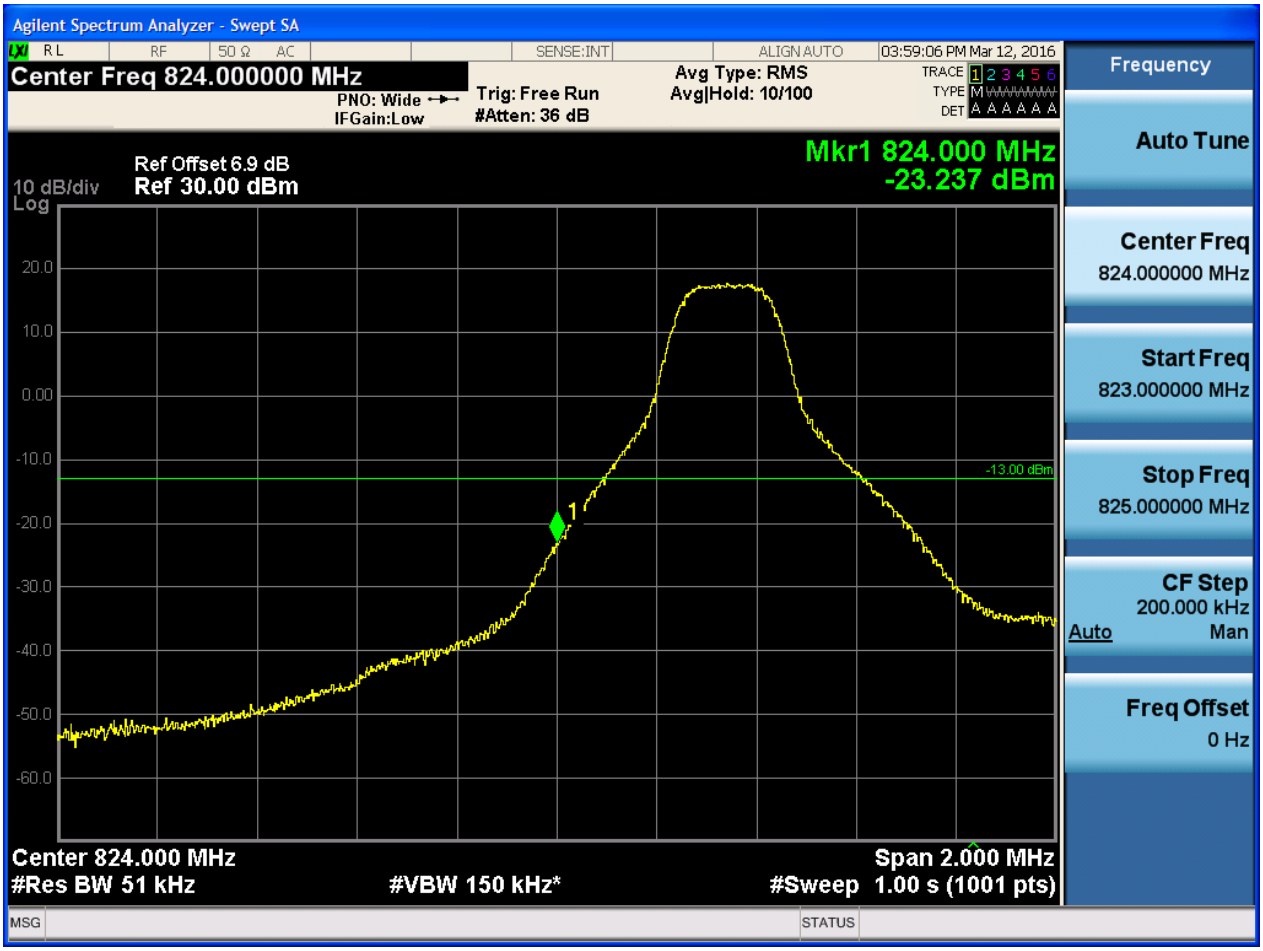
5.1.1.2 Test Mode = LTE/TM2

5.1.1.2.1 Test Bandwidth = 5

5.1.1.2.1.1 Test Channel = LCH

5.1.1.2.1.1.1 Test RB = RB1#0



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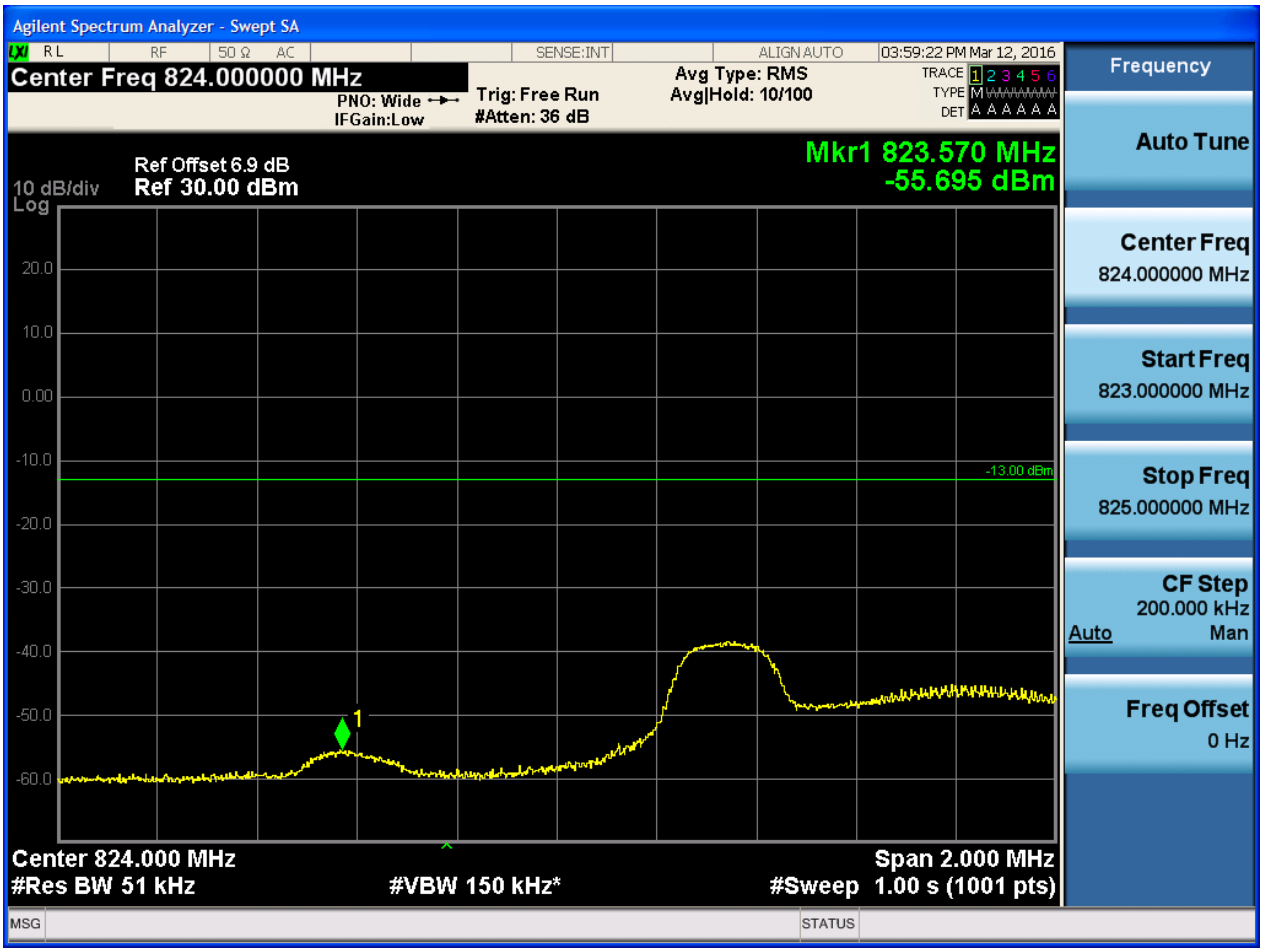
5.1.1.2.1.1.2 Test RB = RB1#24



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5.1.1.2.1.1.3 Test RB = RB12#6

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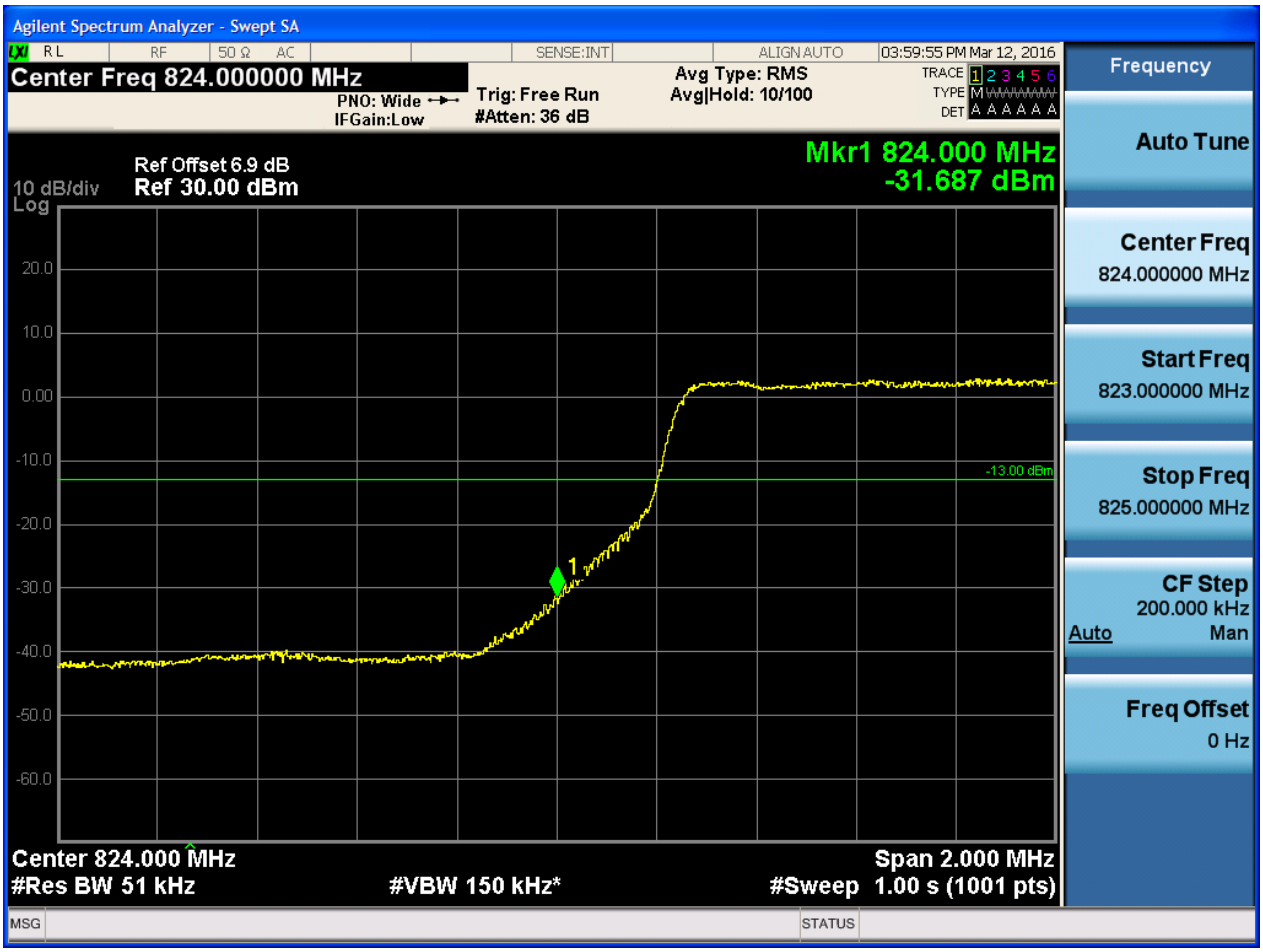
5.1.1.2.1.1.4 Test RB = RB25#0



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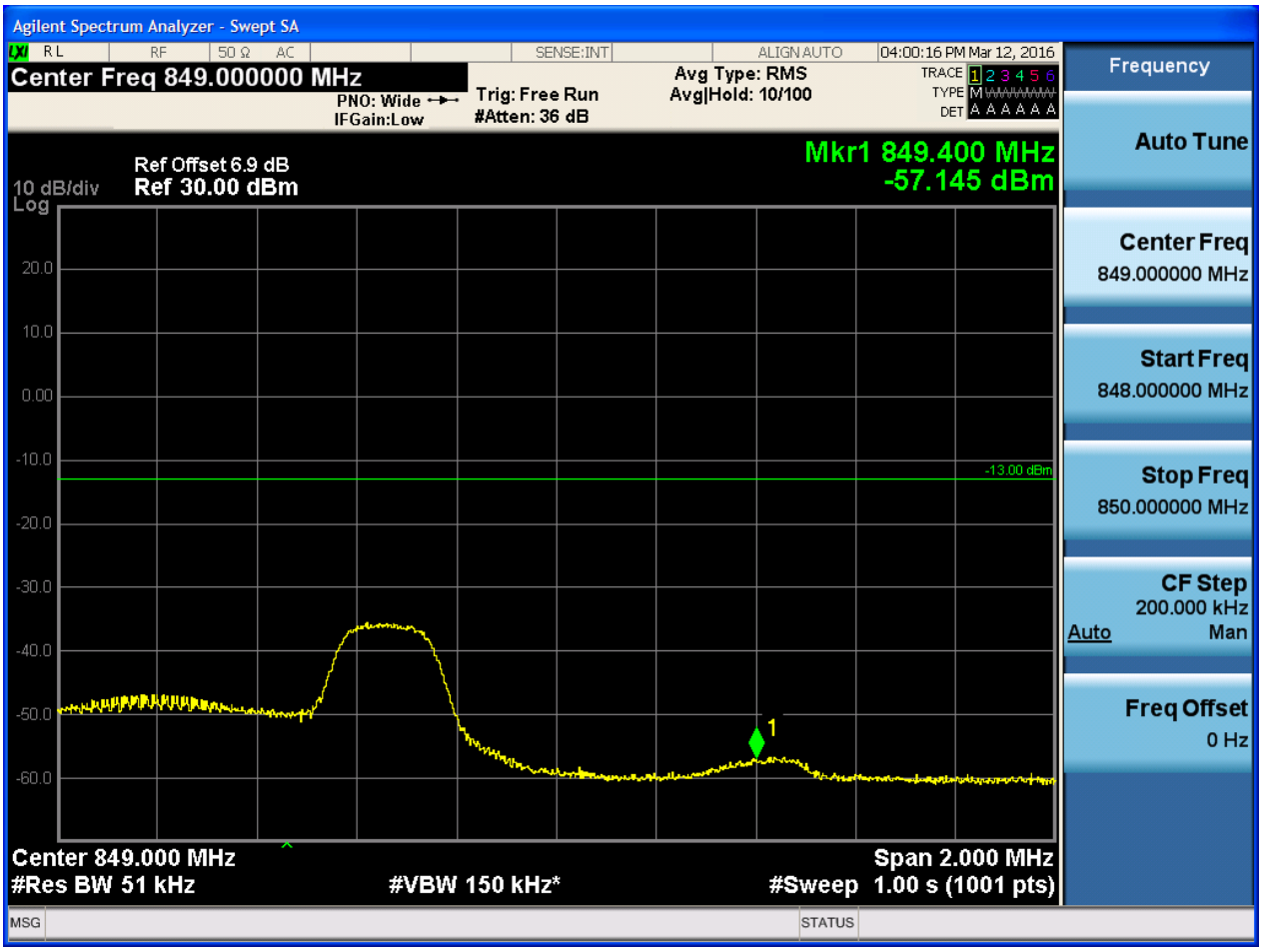
5.1.1.2.1.2 Test Channel = HCH

5.1.1.2.1.2.1 Test RB = RB1#0



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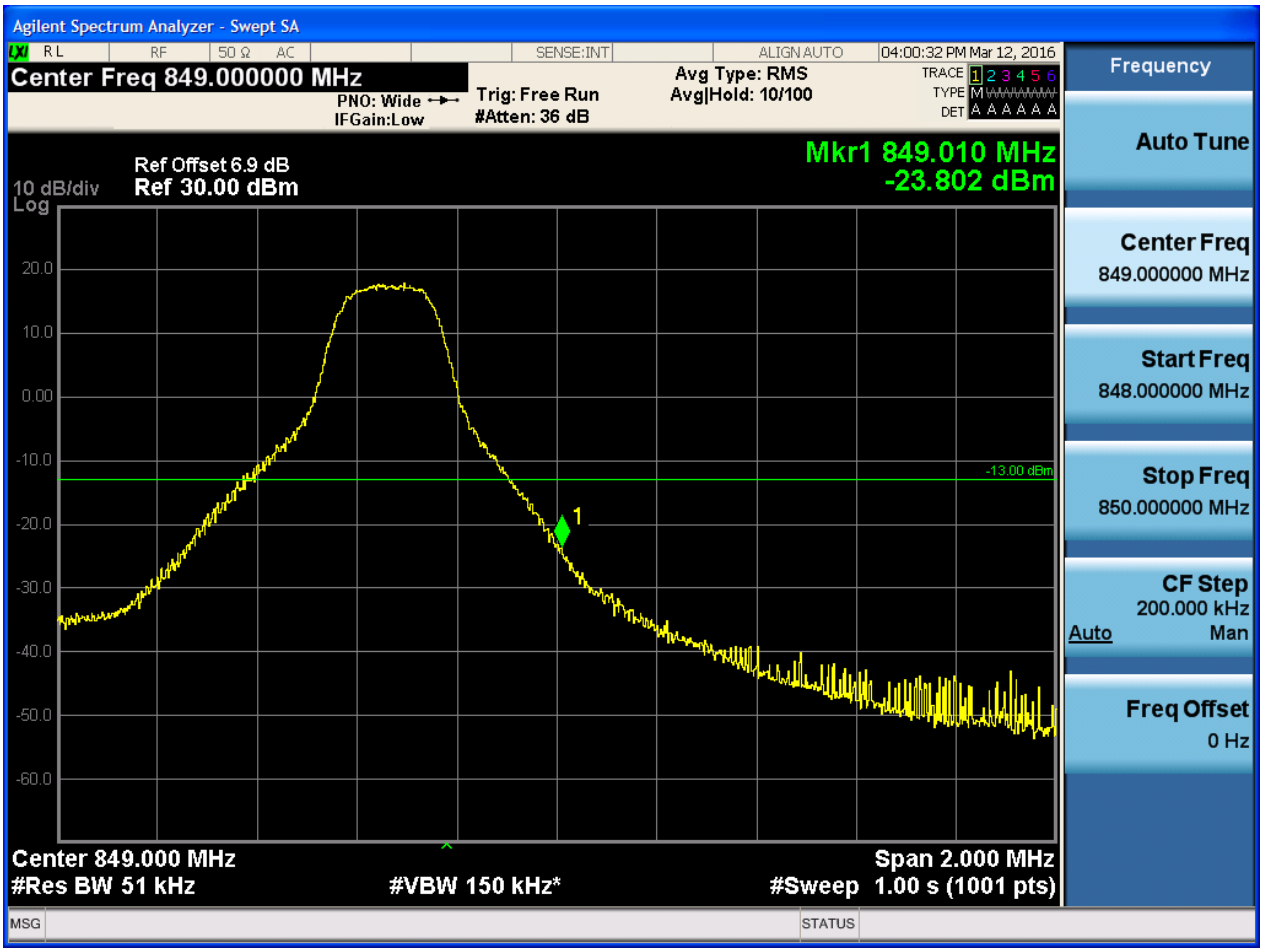
5.1.1.2.1.2.2 Test RB = RB1#24



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5.1.1.2.1.2.3 Test RB = RB12#6

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5.1.1.2.1.2.4 Test RB = RB25#0

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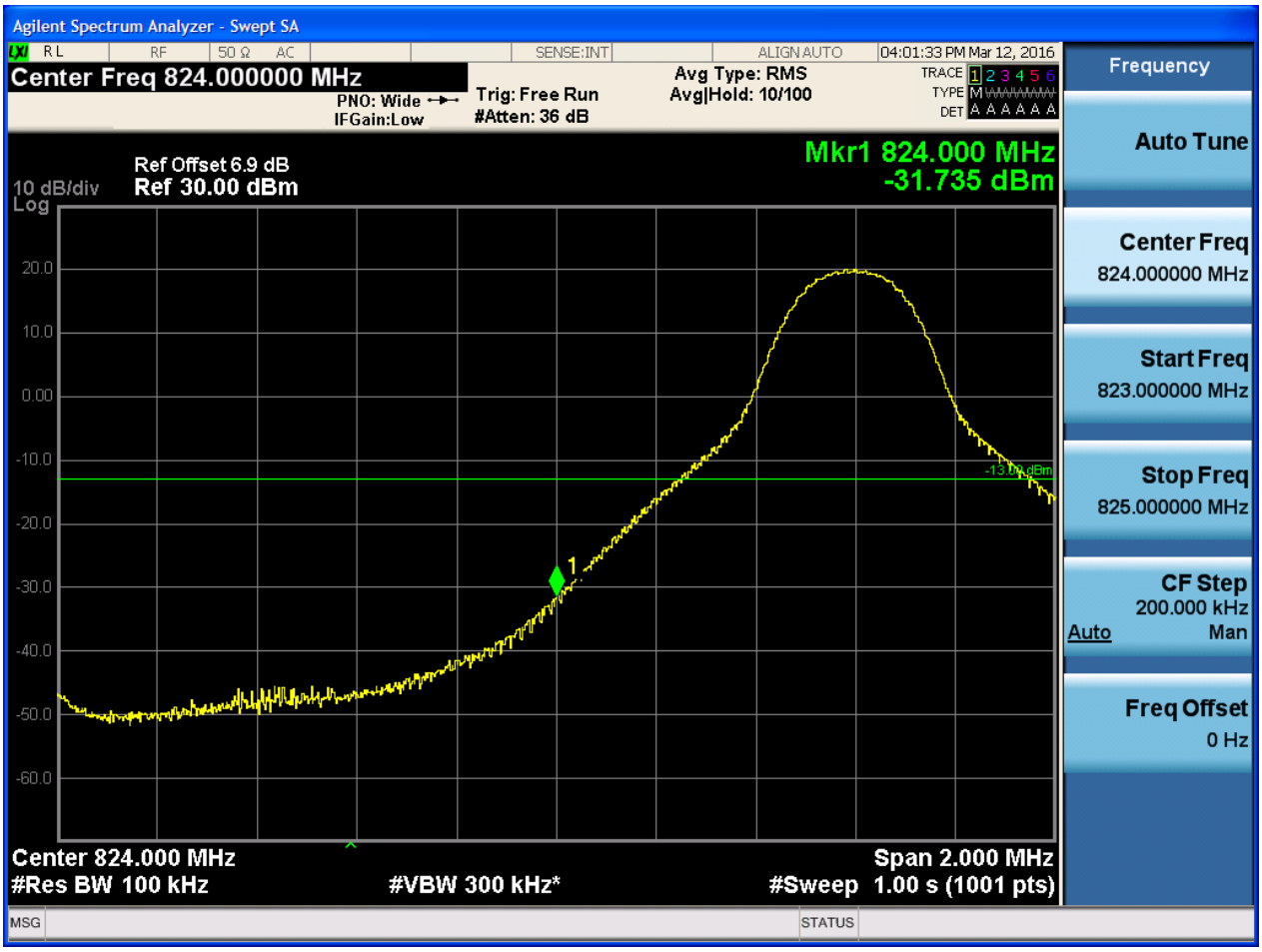
5.1.1.2.2 Test Bandwidth = 10

5.1.1.2.2.1 Test Channel = LCH

5.1.1.2.2.1.1 Test RB = RB1#0



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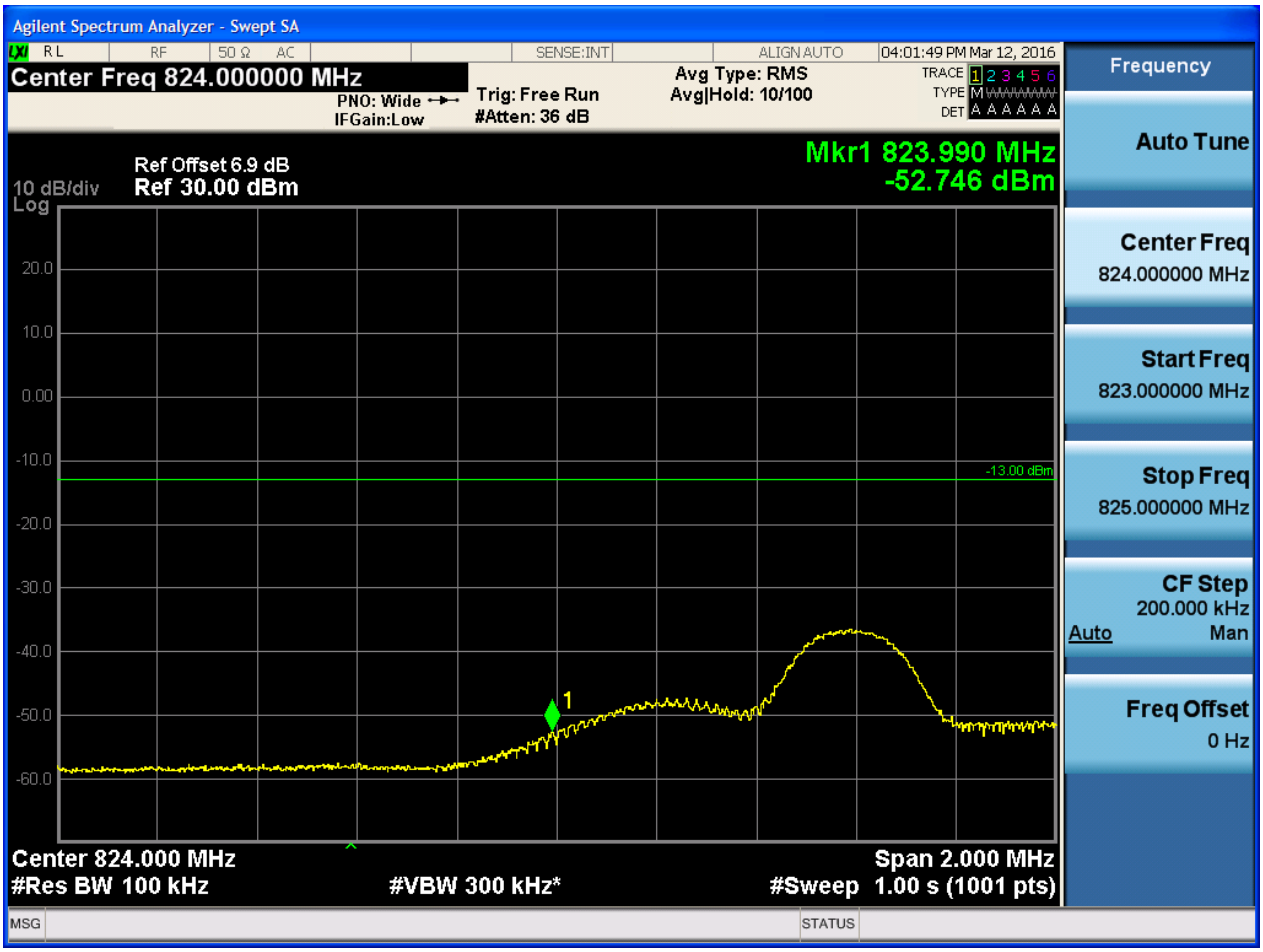
5.1.1.2.2.1.2 Test RB = RB1#49



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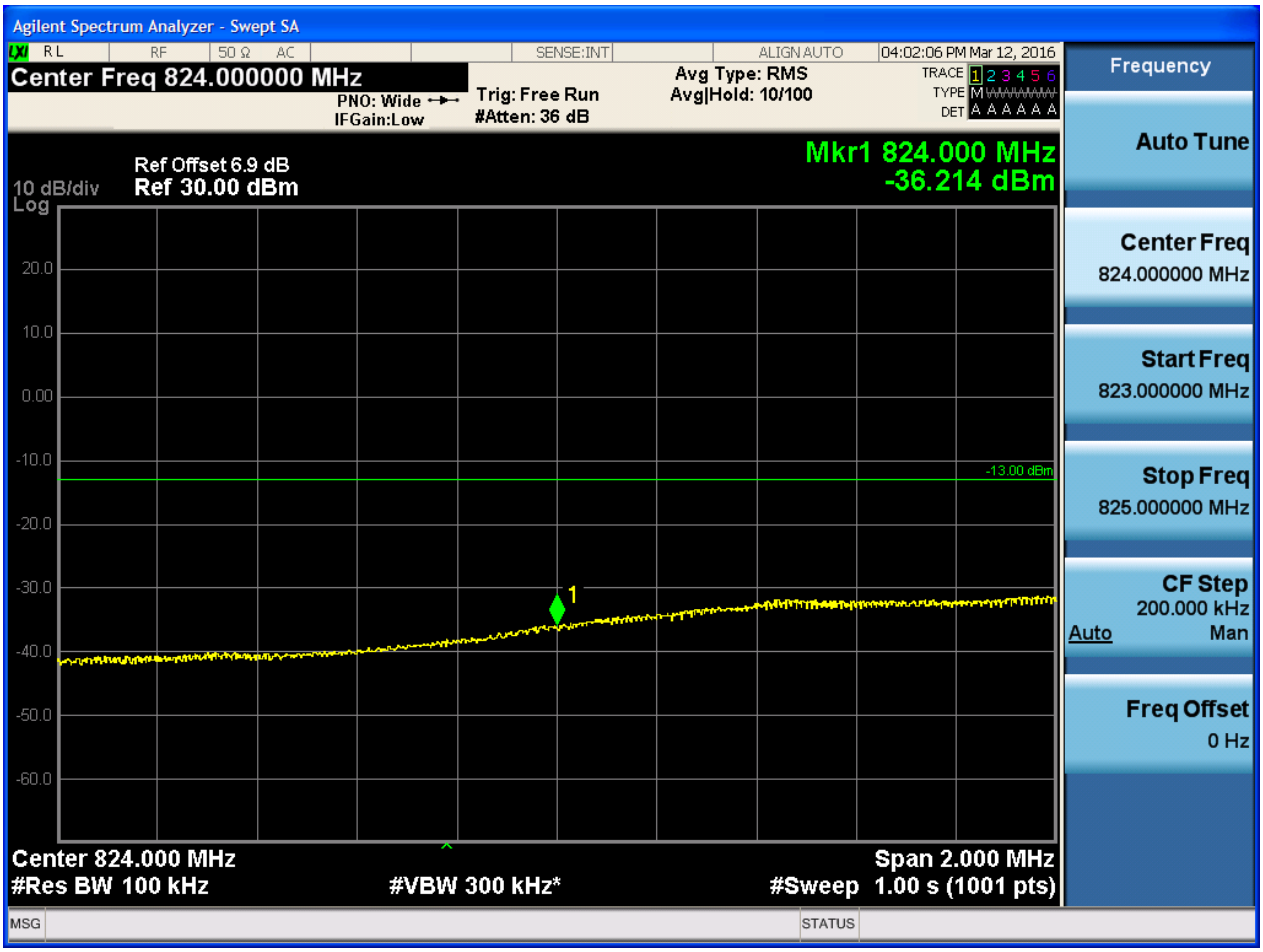
5.1.1.2.2.1.3 Test RB = RB25#13



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5.1.1.2.2.1.4 Test RB = RB50#0

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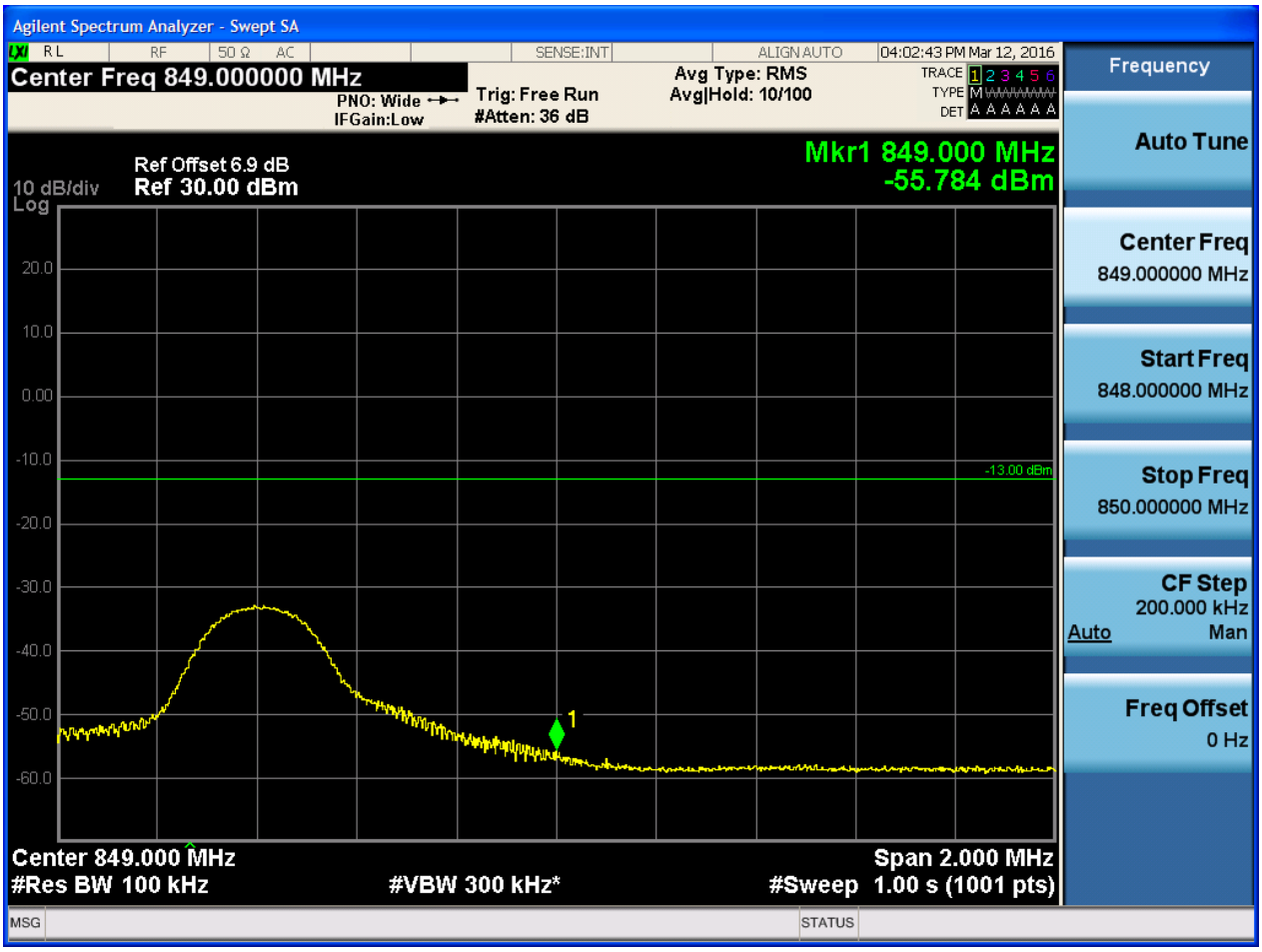
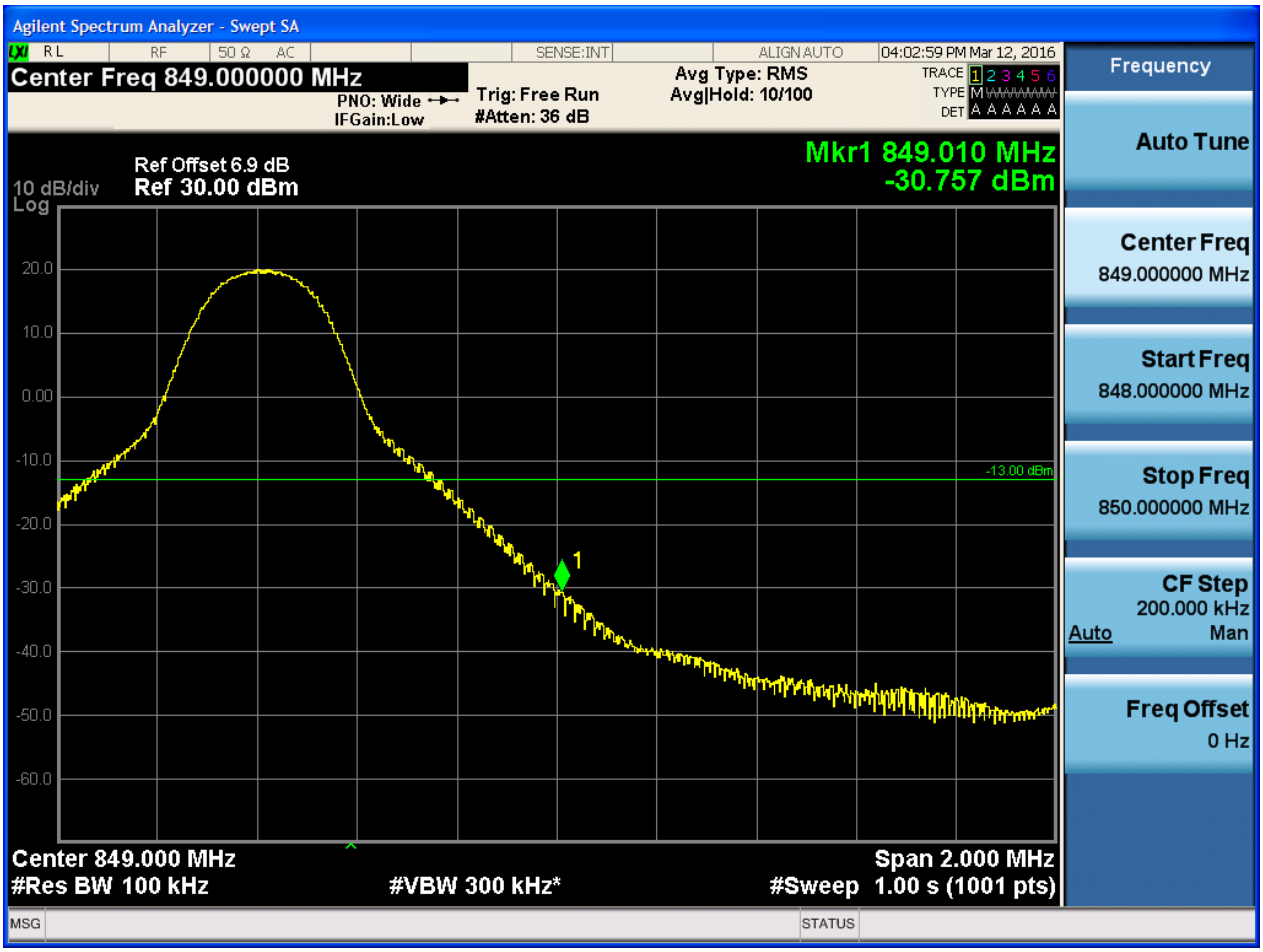
5.1.1.2.2.2 Test Channel = HCH

5.1.1.2.2.2.1 Test RB = RB1#0



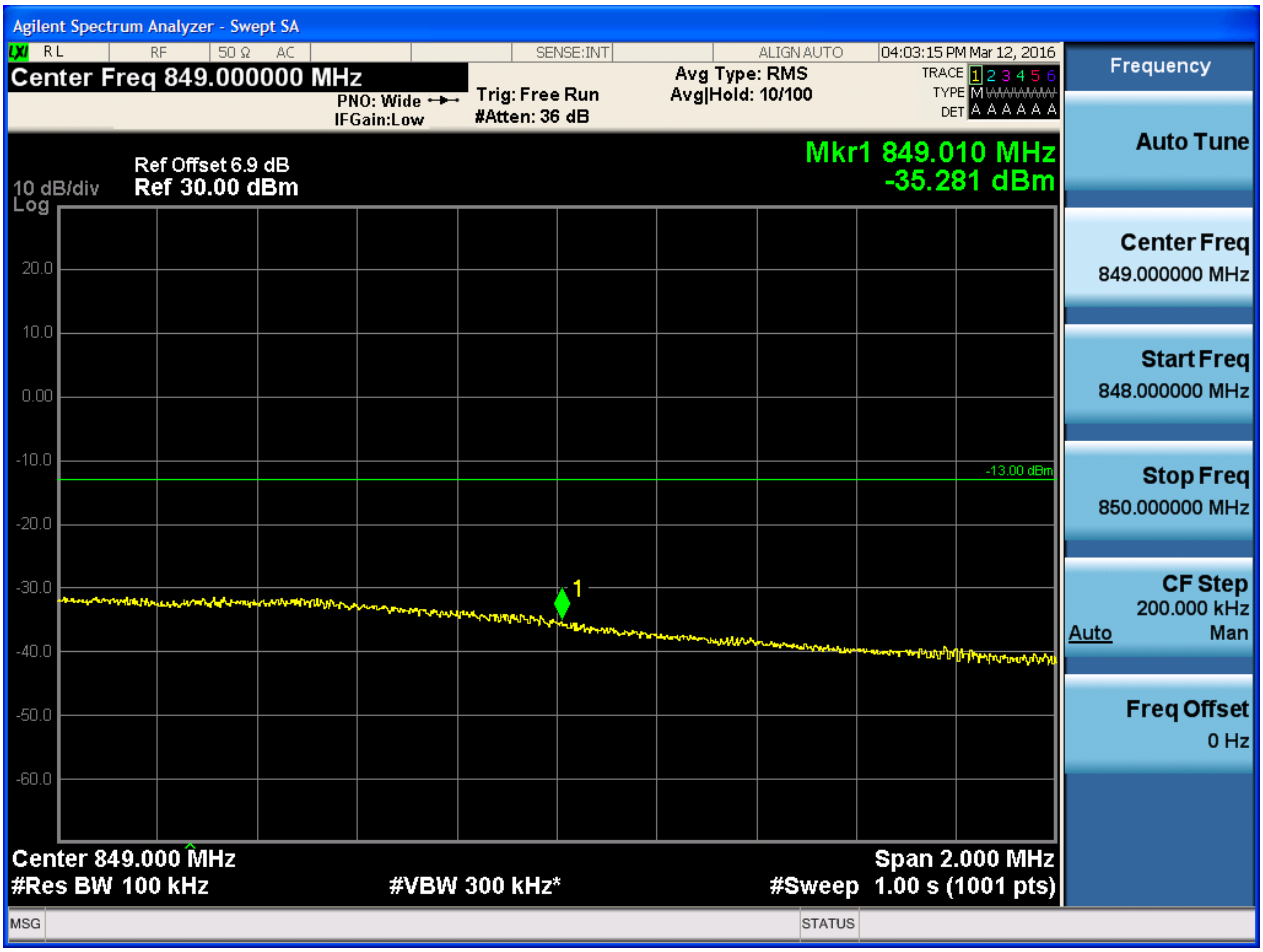
Copyright © Huawei Technologies Co., Ltd.

5.1.1.2.2.2.2 Test RB = RB1#49



Copyright © Huawei Technologies Co., Ltd.

5.1.1.2.2.2.3 Test RB = RB25#13



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5.1.1.2.2.2.4 Test RB = RB50#0

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5.2 For LTE

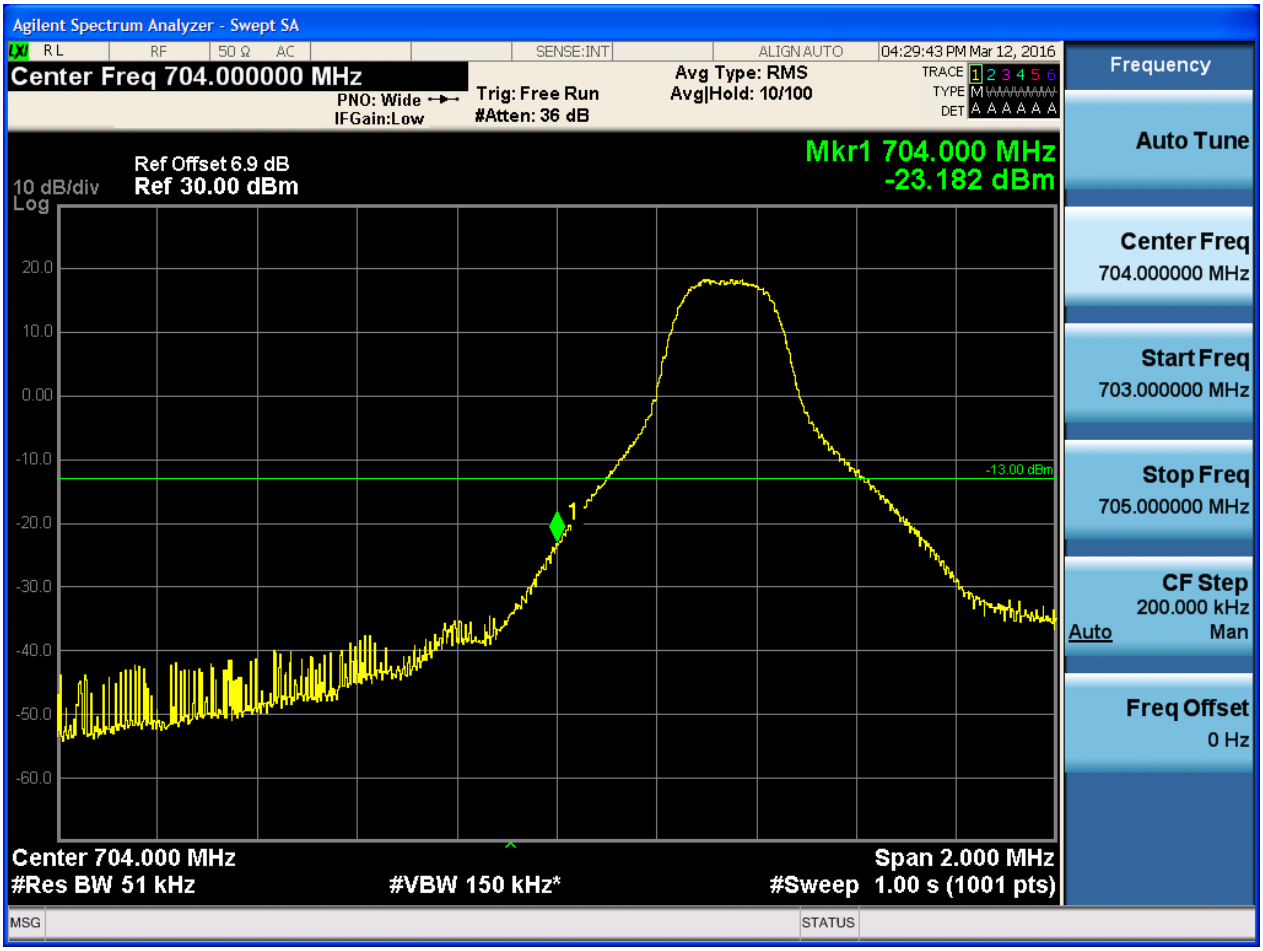
5.2.1 Test Band = BAND17

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



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5.2.1.1.1.1.2 Test RB = RB1#24

5.2.1.1.1.1.3 Test RB = RB12#6

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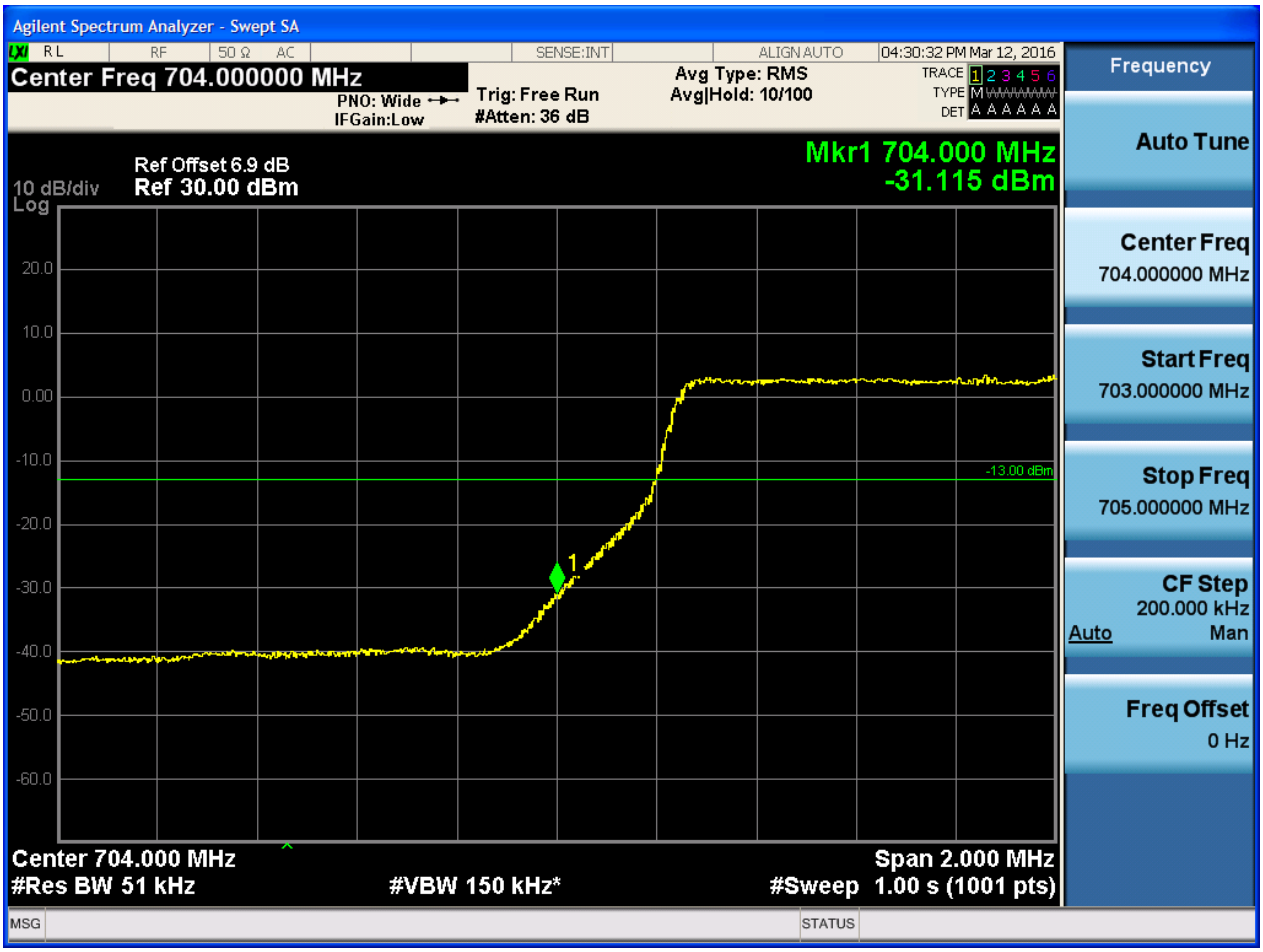
5.2.1.1.1.1.4 Test RB = RB25#0



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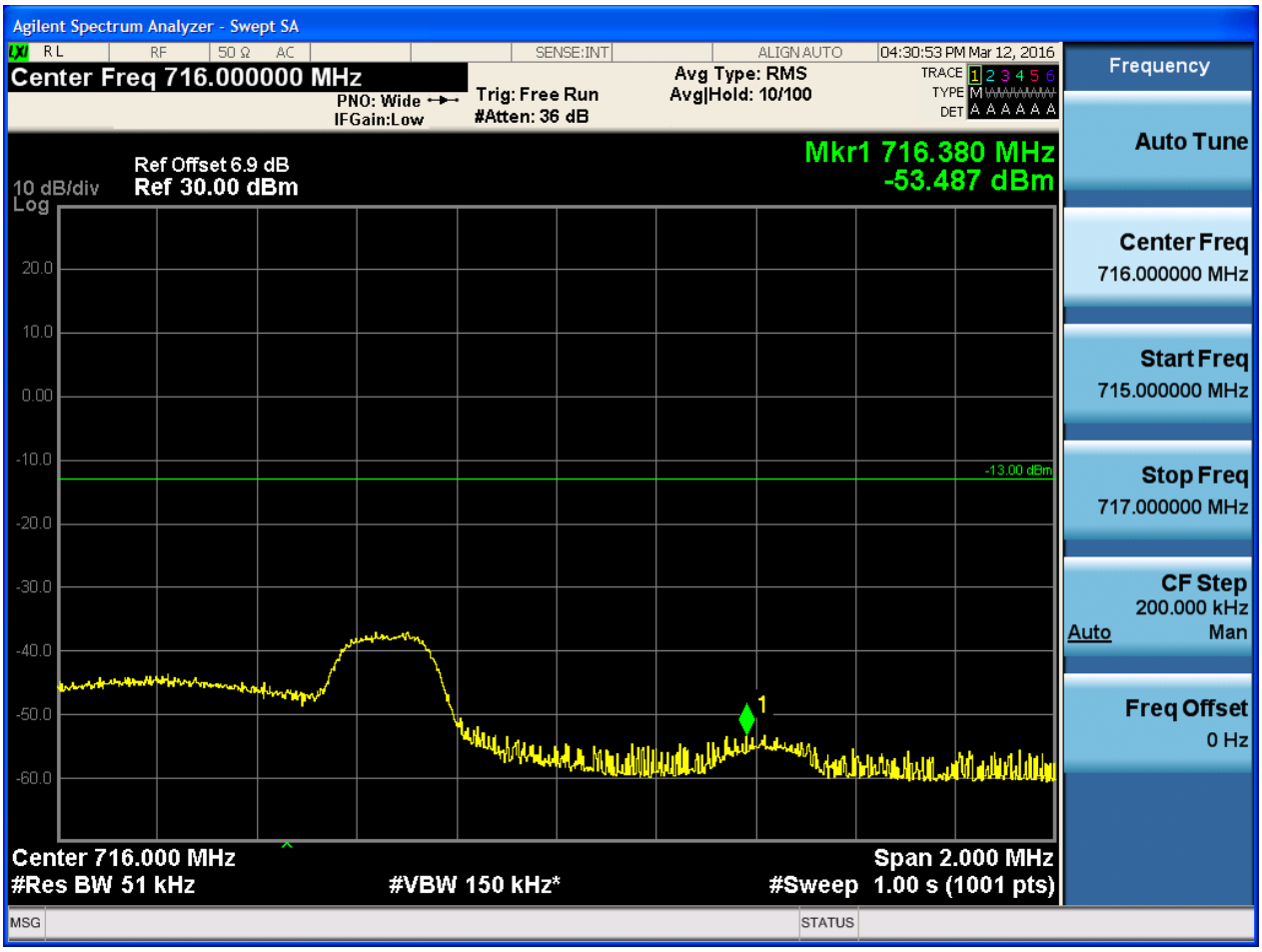
5.2.1.1.1.2 Test Channel = HCH

5.2.1.1.1.2.1 Test RB = RB1#0



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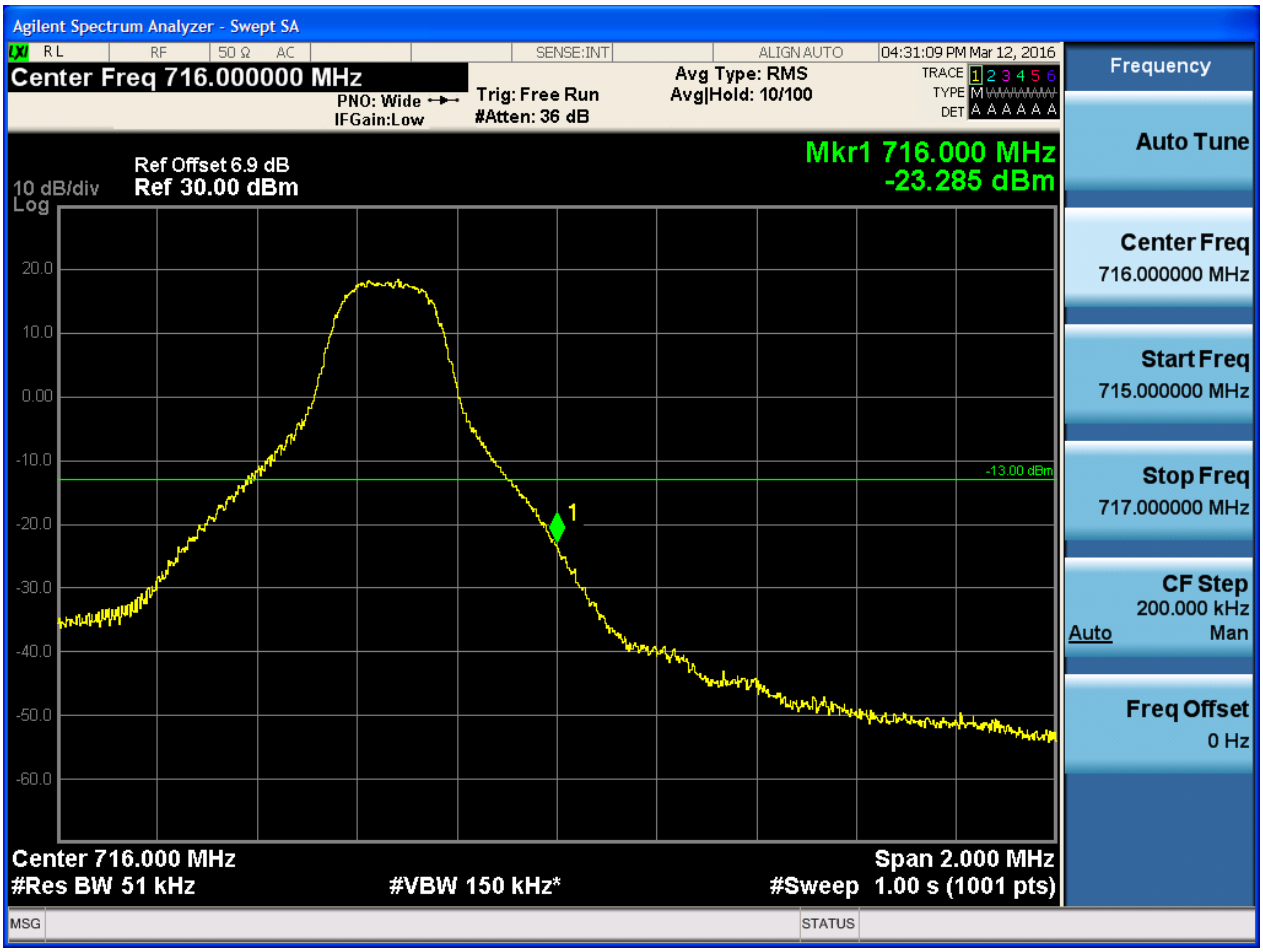
5.2.1.1.1.2.2 Test RB = RB1#24



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5.2.1.1.1.2.3 Test RB = RB12#6

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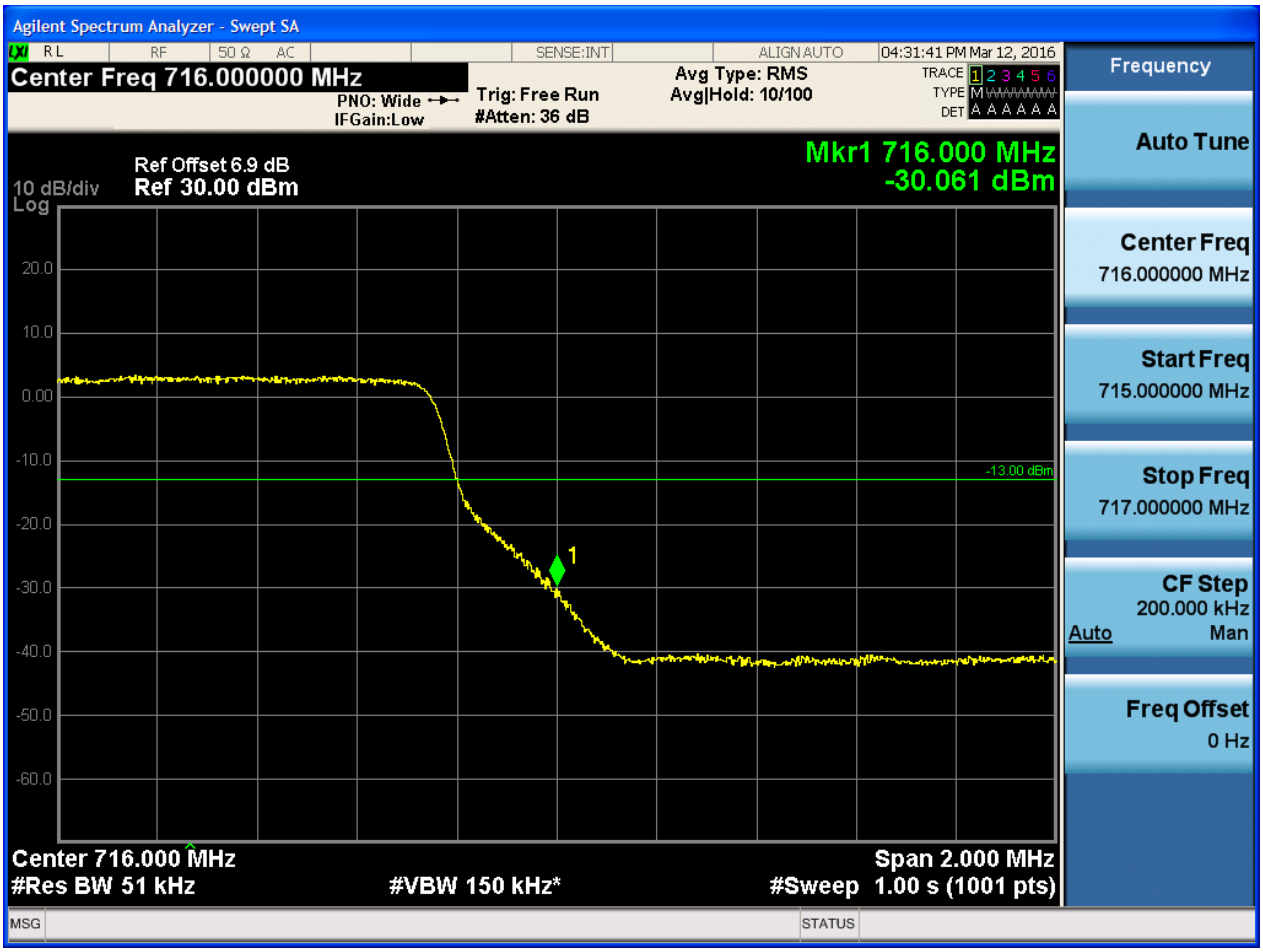
5.2.1.1.1.2.4 Test RB = RB25#0



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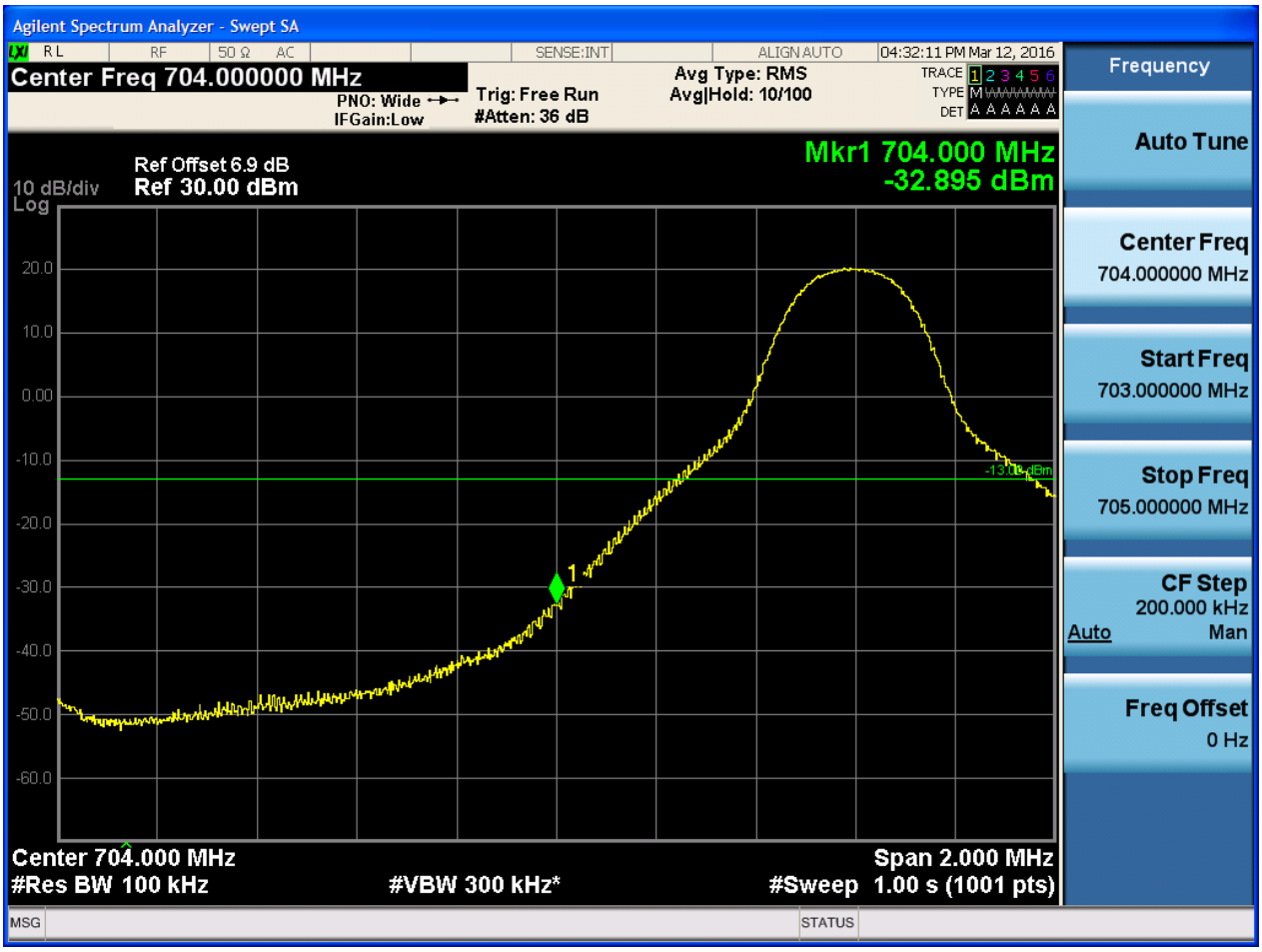
5.2.1.1.2 Test Bandwidth = 10

5.2.1.1.2.1 Test Channel = LCH

5.2.1.1.2.1.1 Test RB = RB1#0



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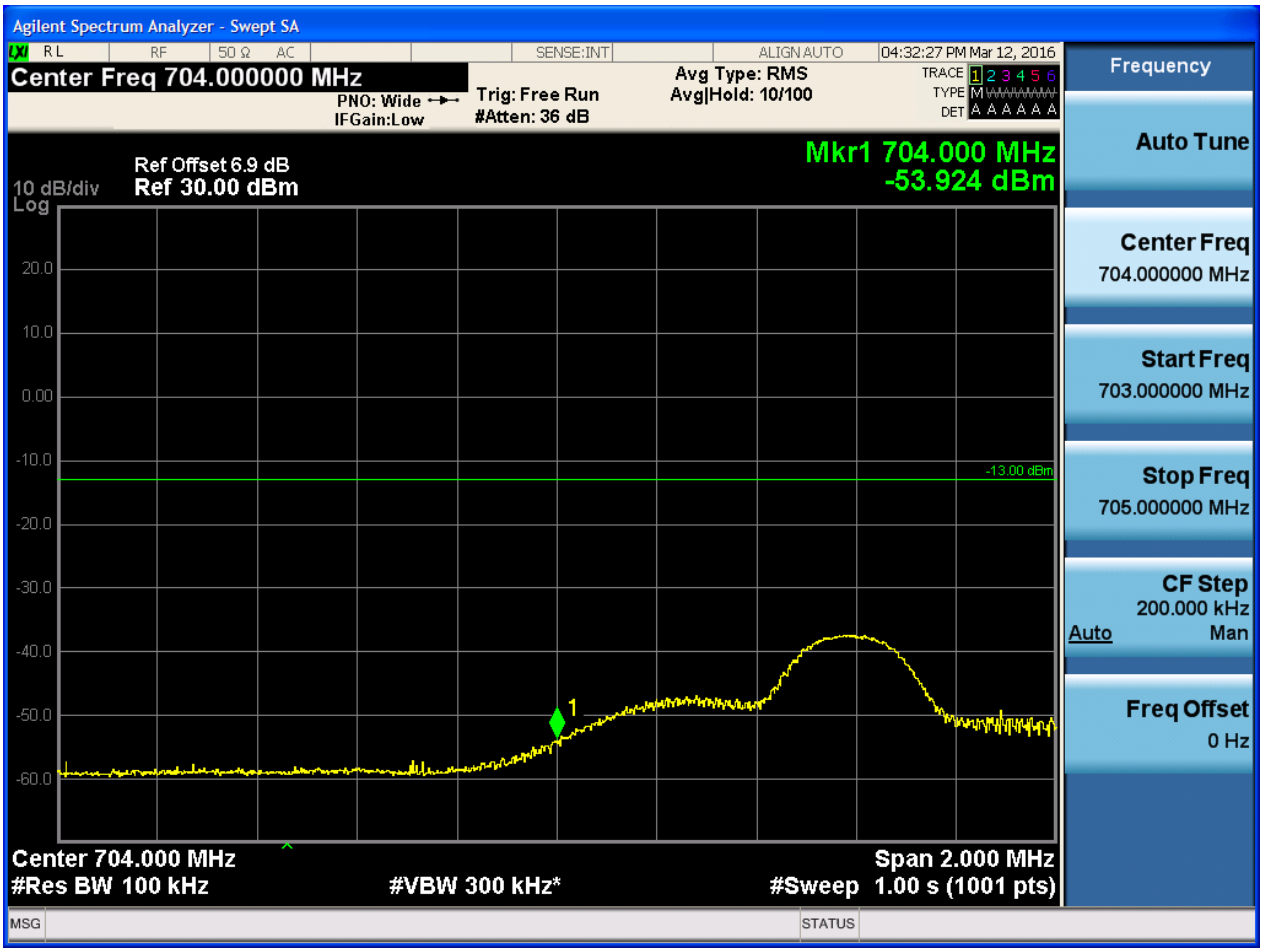
5.2.1.1.2.1.2 Test RB = RB1#49



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5.2.1.1.2.1.3 Test RB = RB25#13

5.2.1.1.2.1.4 Test RB = RB50#0

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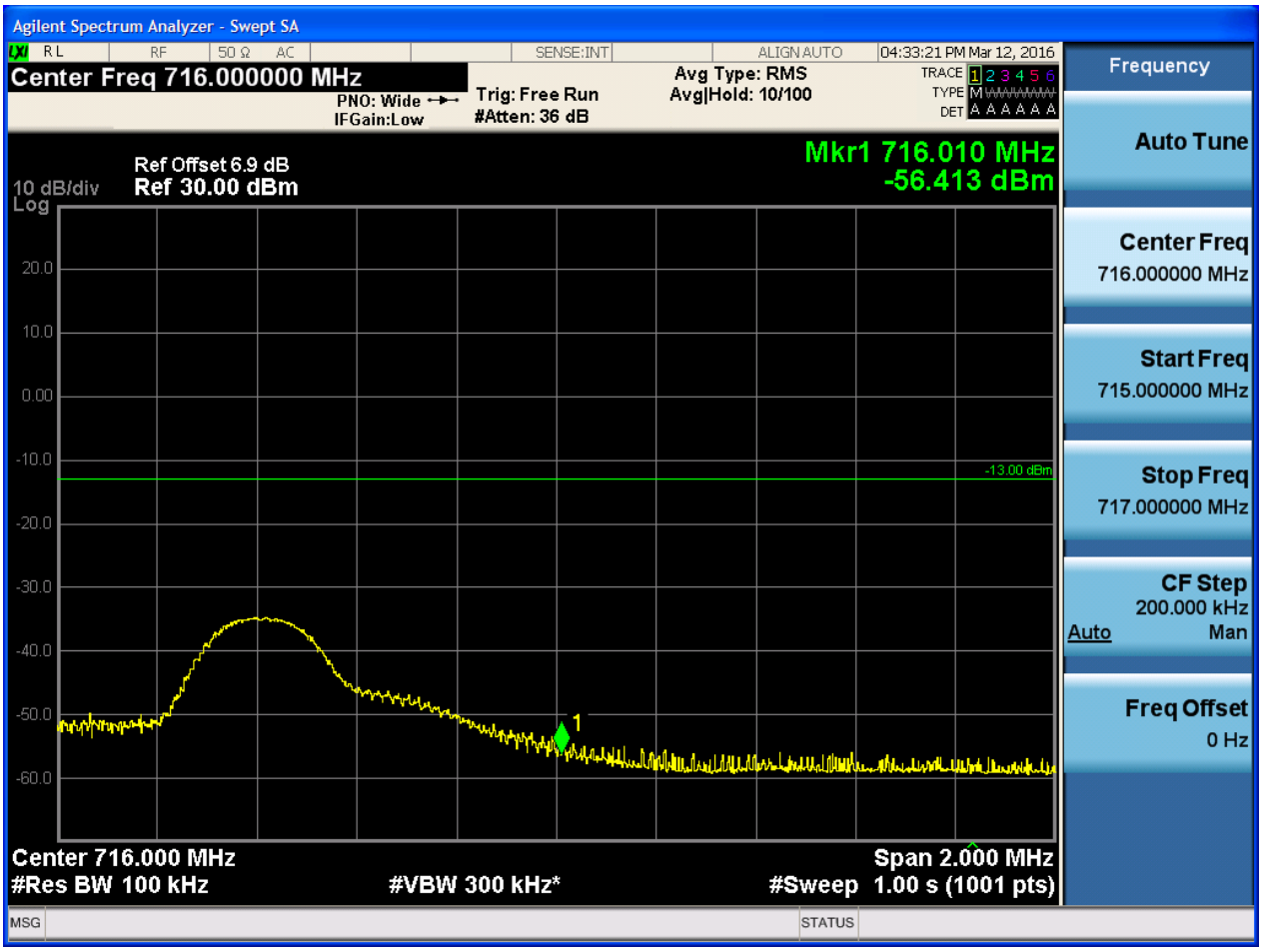
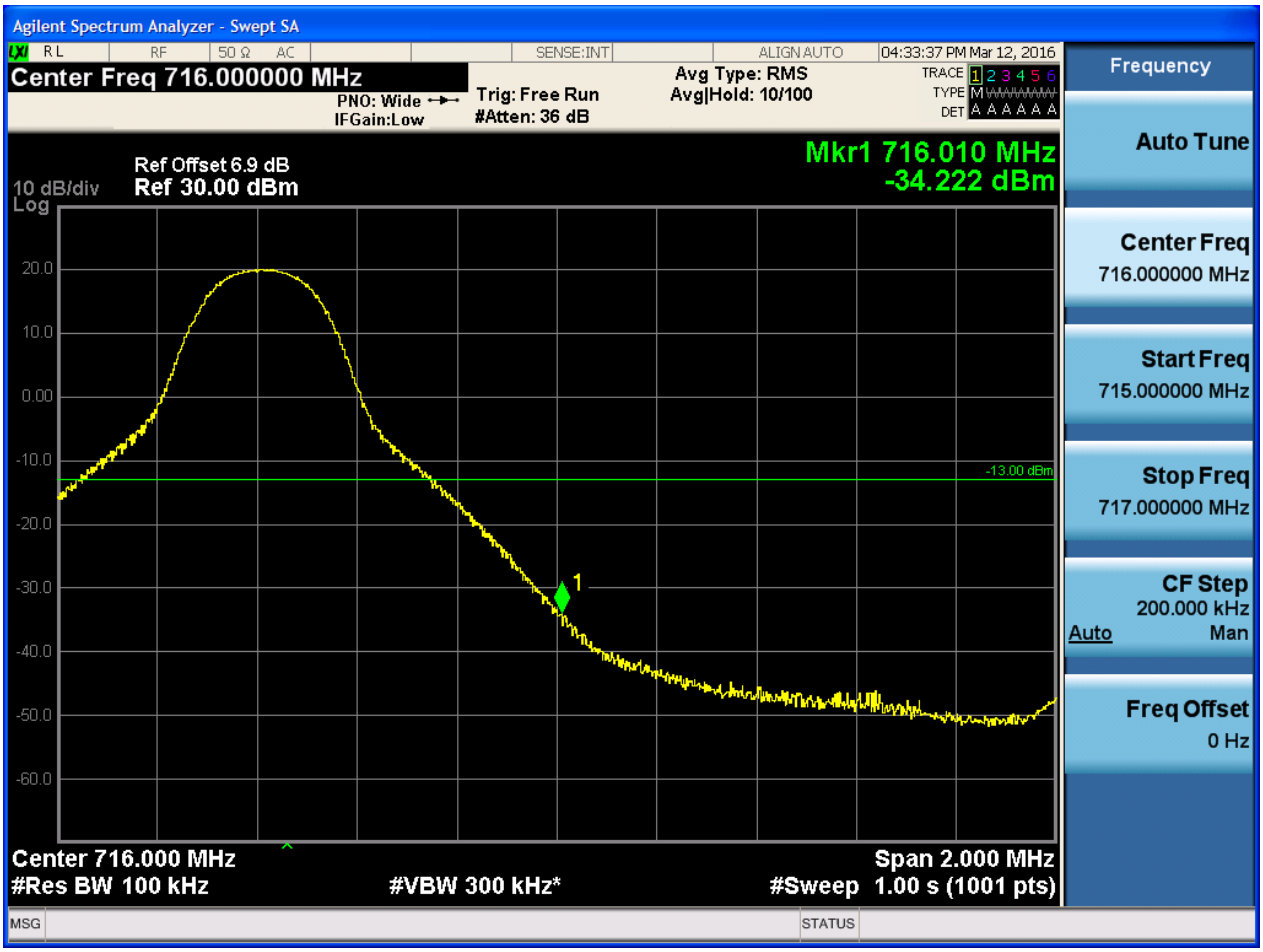
5.2.1.1.2.2 Test Channel = HCH

5.2.1.1.2.2.1 Test RB = RB1#0



5.2.1.1.2.2.2 Test RB = RB1#49



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5.2.1.1.2.2.3 Test RB = RB25#13

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5.2.1.1.2.2.4 Test RB = RB50#0

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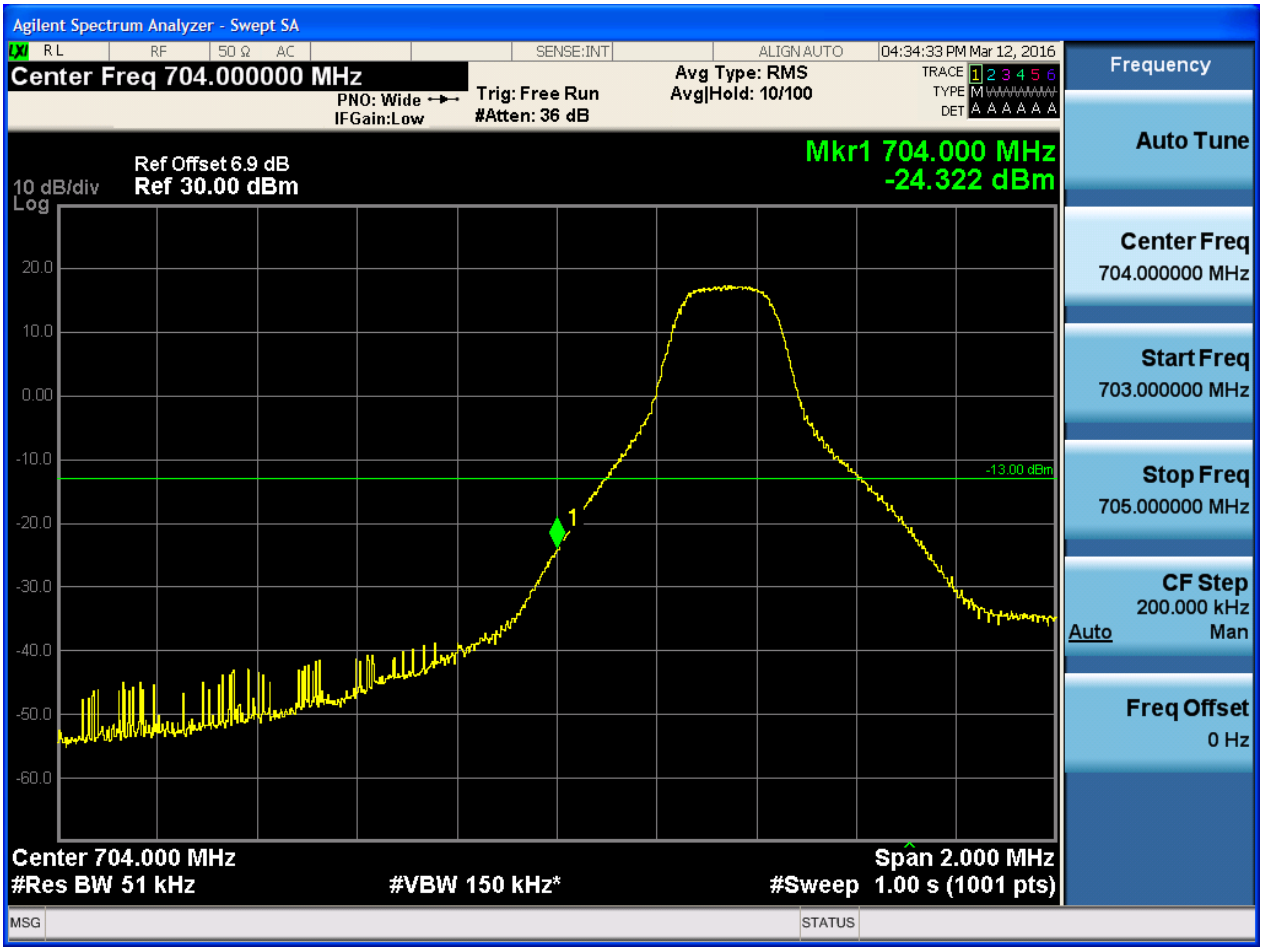
5.2.1.2 Test Mode = LTE/TM2

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



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5.2.1.2.1.1.2 Test RB = RB1#24

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5.2.1.2.1.1.3 Test RB = RB12#6

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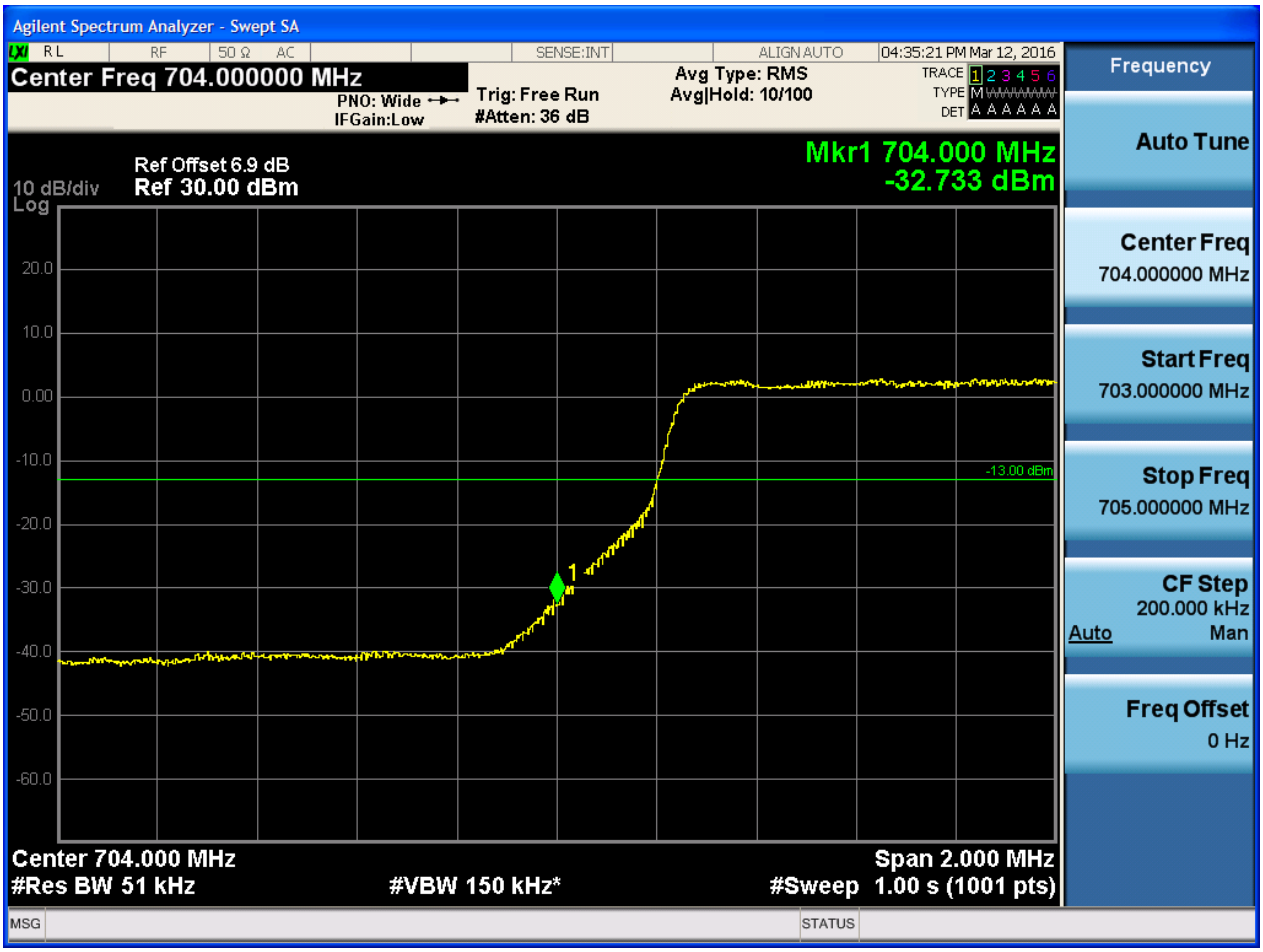
5.2.1.2.1.1.4 Test RB = RB25#0



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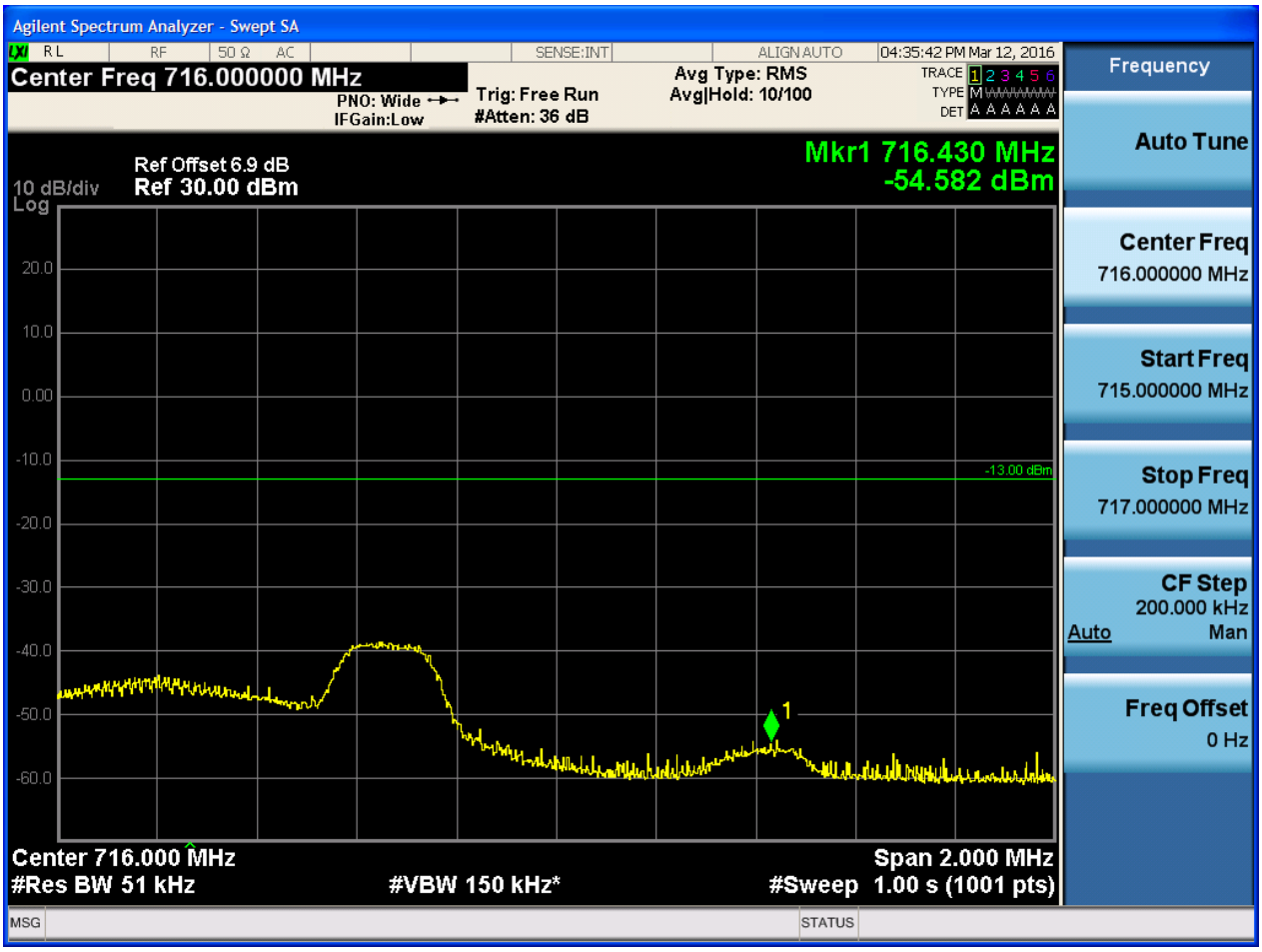
5.2.1.2.1.2 Test Channel = HCH

5.2.1.2.1.2.1 Test RB = RB1#0



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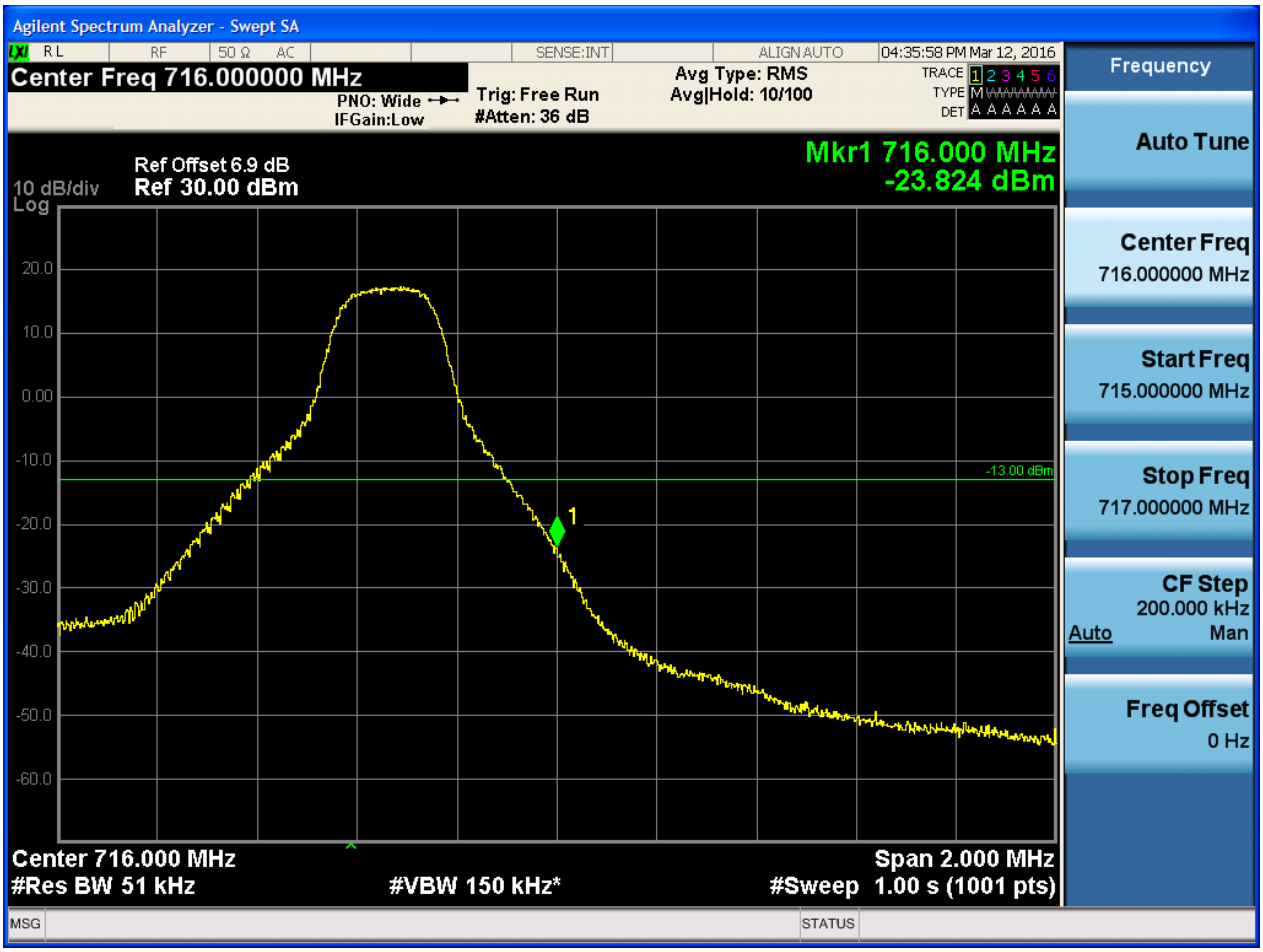
5.2.1.2.1.2.2 Test RB = RB1#24



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5.2.1.2.1.2.3 Test RB = RB12#6

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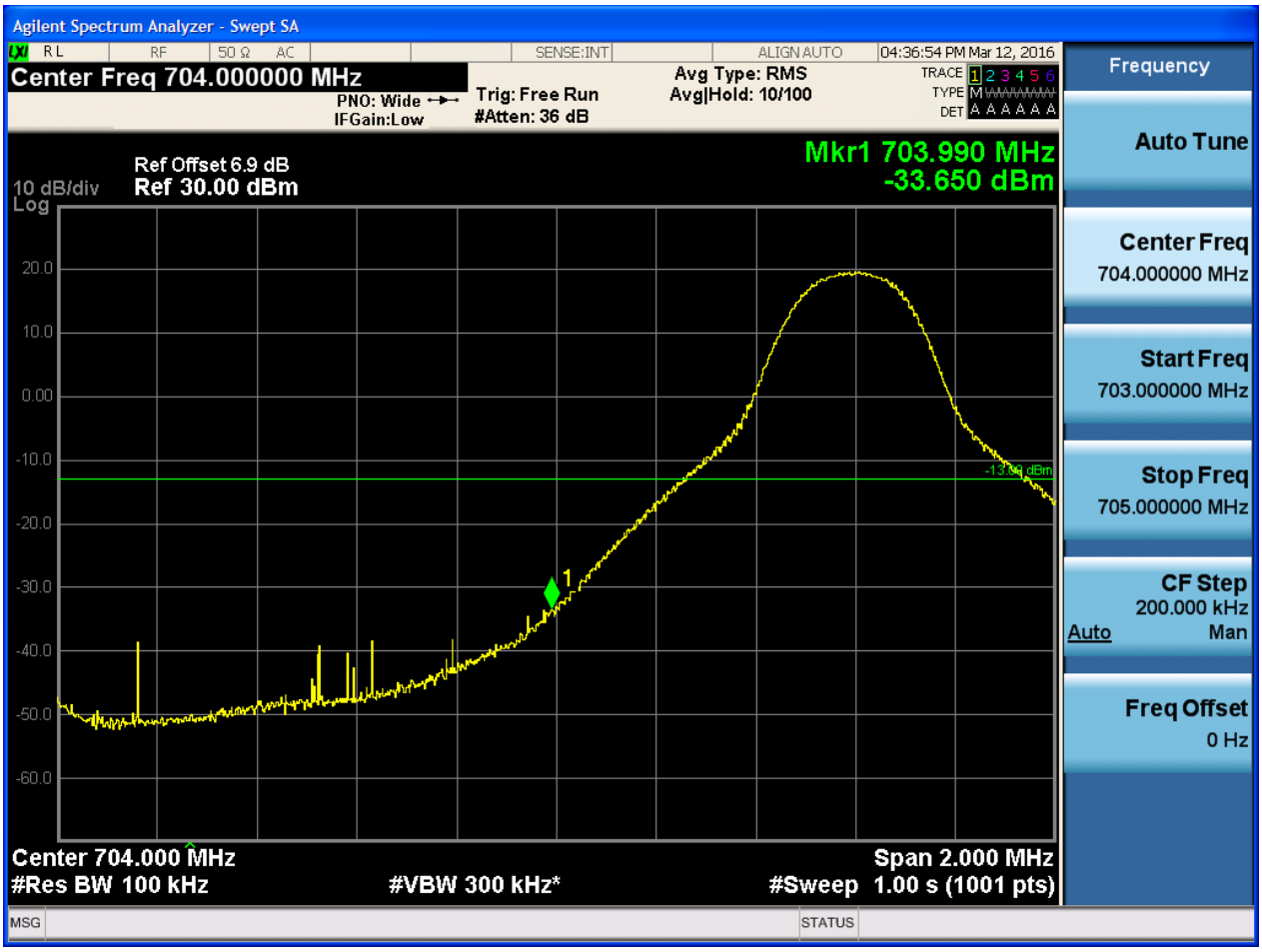
5.2.1.2.1.2.4 Test RB = RB25#0

5.2.1.2.2 Test Bandwidth = 10

5.2.1.2.2.1 Test Channel = LCH

5.2.1.2.2.1.1 Test RB = RB1#0



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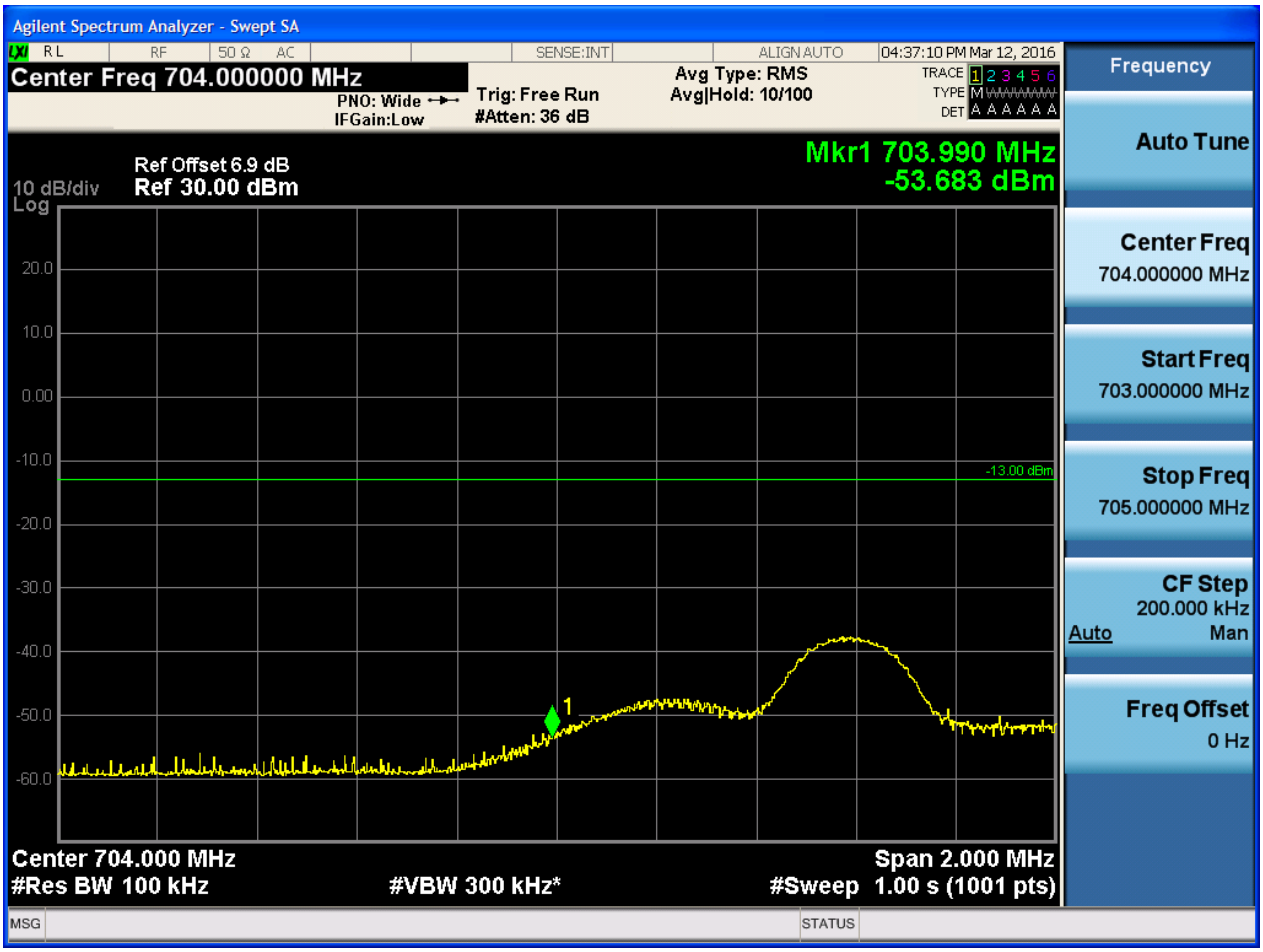
5.2.1.2.2.1.2 Test RB = RB1#49



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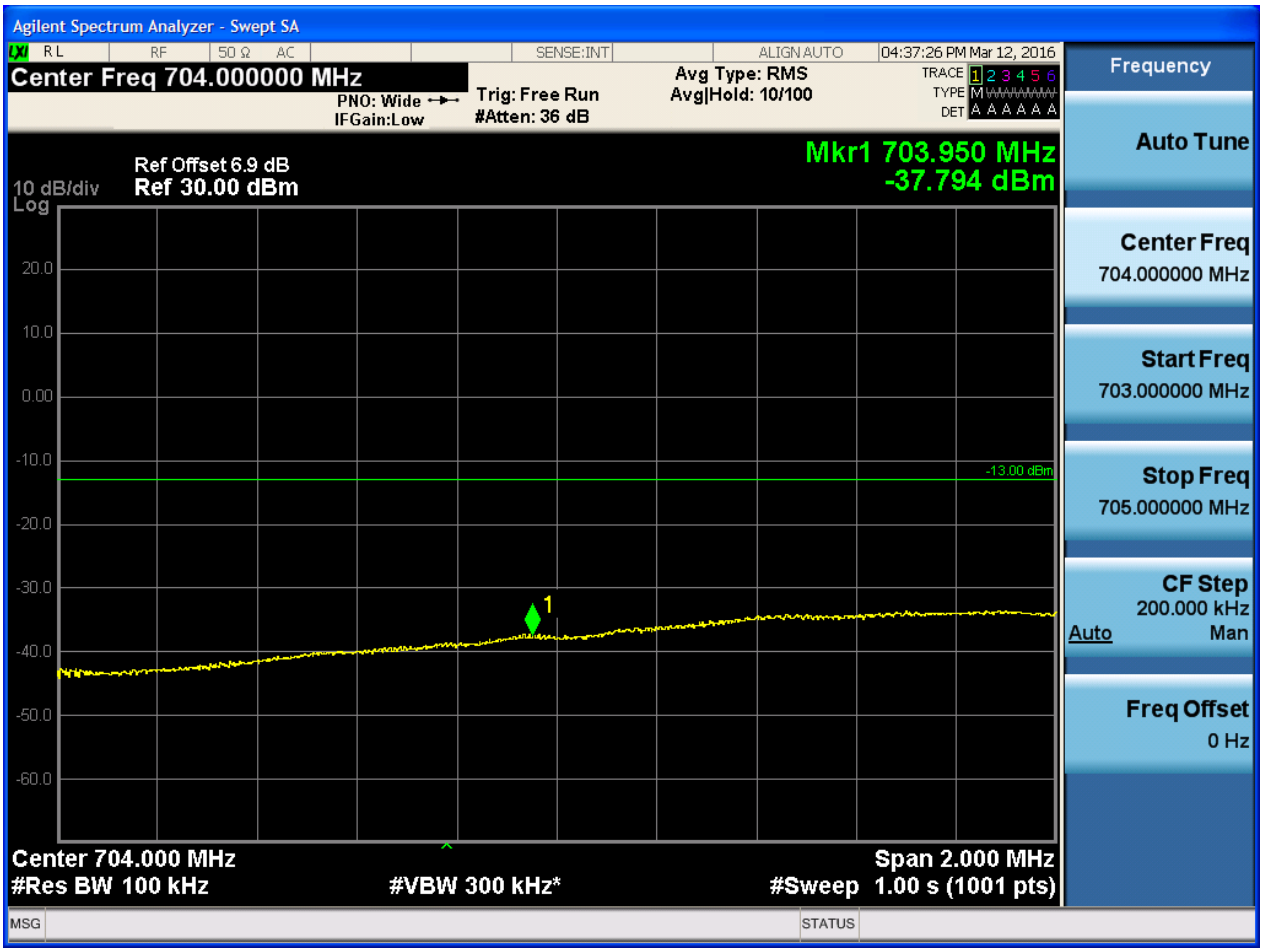
5.2.1.2.2.1.3 Test RB = RB25#13



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5.2.1.2.2.1.4 Test RB = RB50#0

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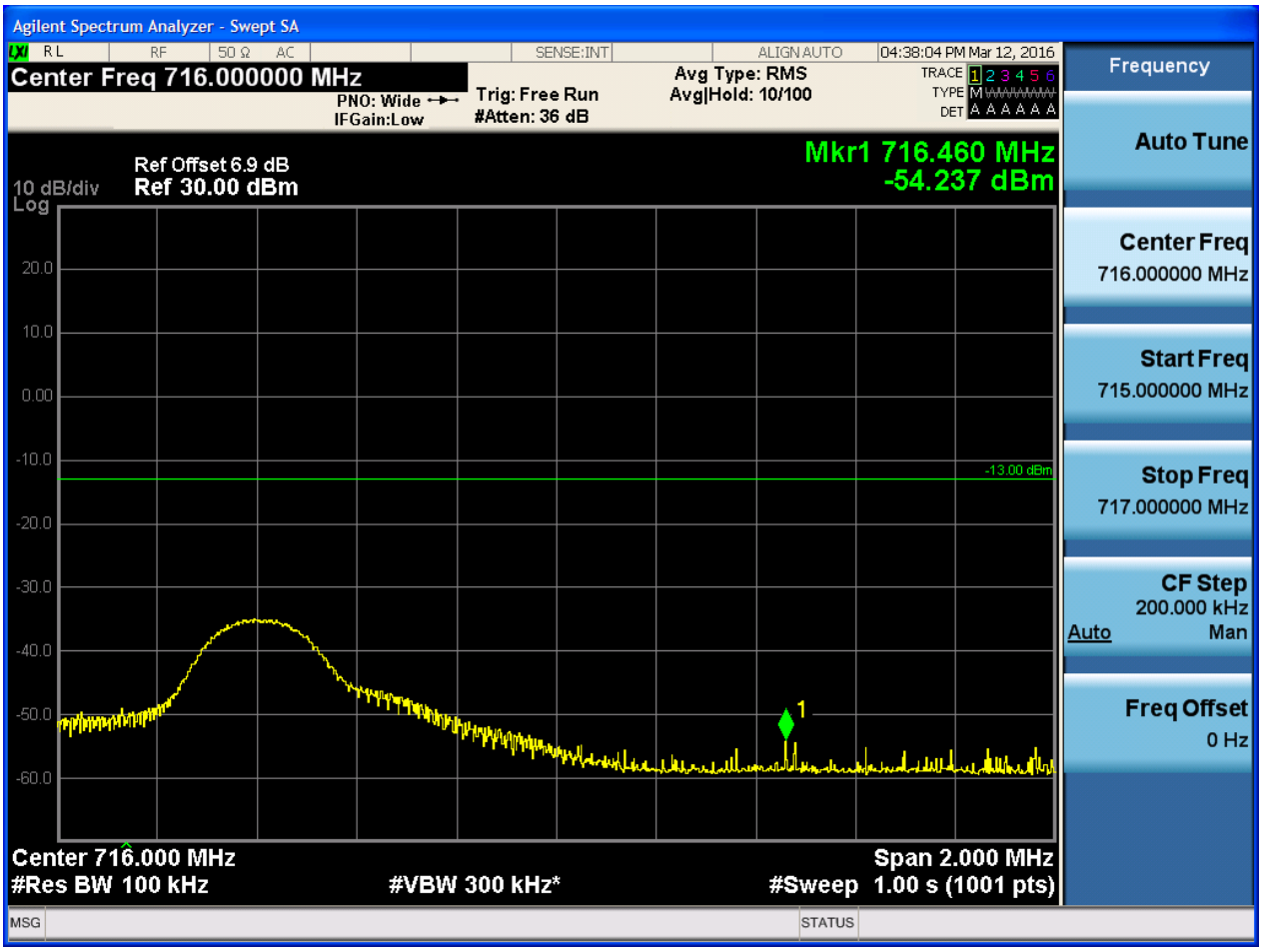
5.2.1.2.2.2 Test Channel = HCH

5.2.1.2.2.2.1 Test RB = RB1#0



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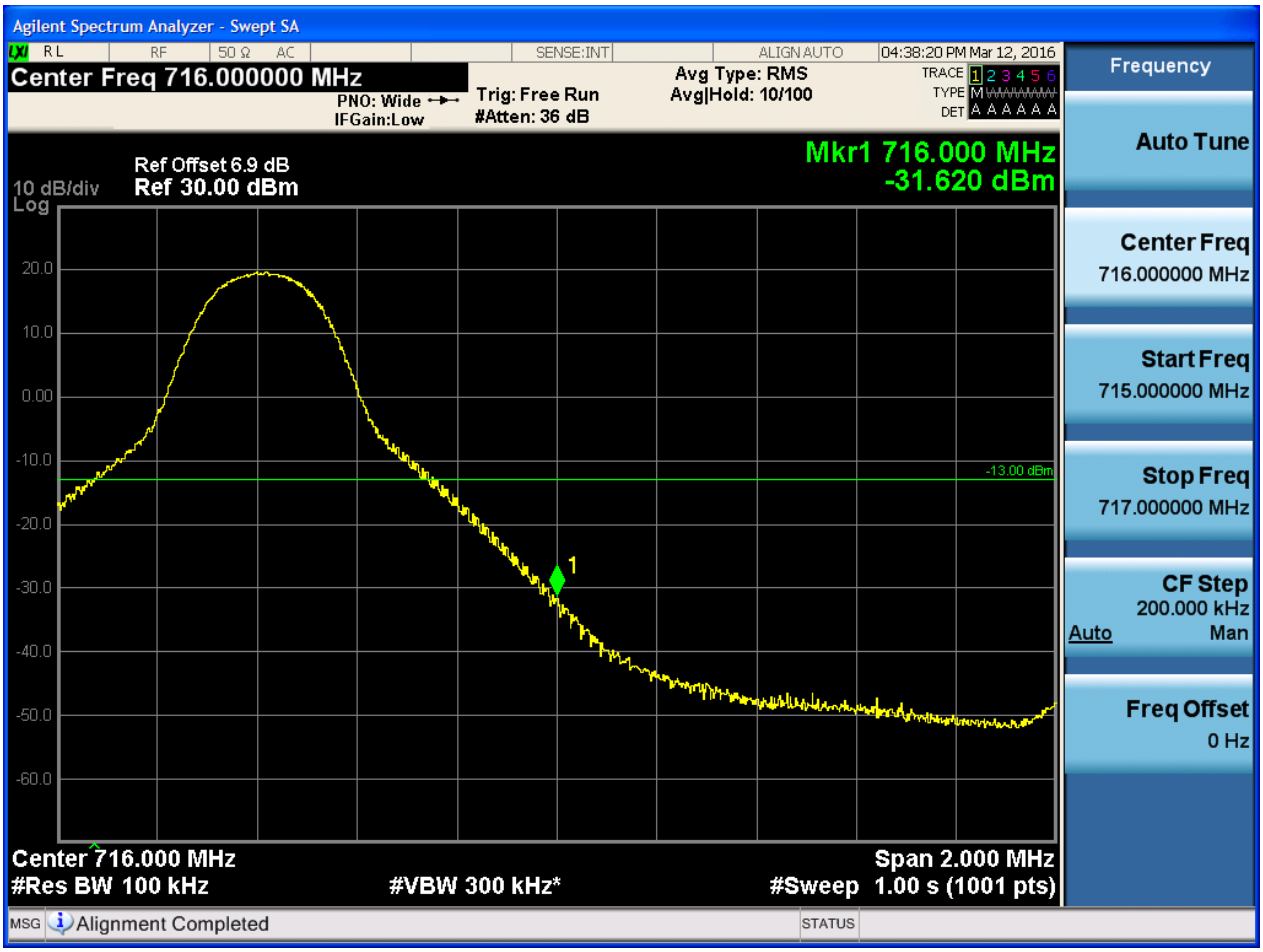
5.2.1.2.2.2.2 Test RB = RB1#49



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5.2.1.2.2.2.3 Test RB = RB25#13

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5.2.1.2.2.2.4 Test RB = RB50#0

6Appendix_F: Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Part I - Test Plots

6.1 For LTE

6.1.1 Test Band = BAND5

6.1.1.1 Test Mode = LTE/TM1

6.1.1.1.1 Test Bandwidth = 5

6.1.1.1.1.1 Test Channel = LCH

6.1.1.1.1.1.1 Test RB = RB1#0

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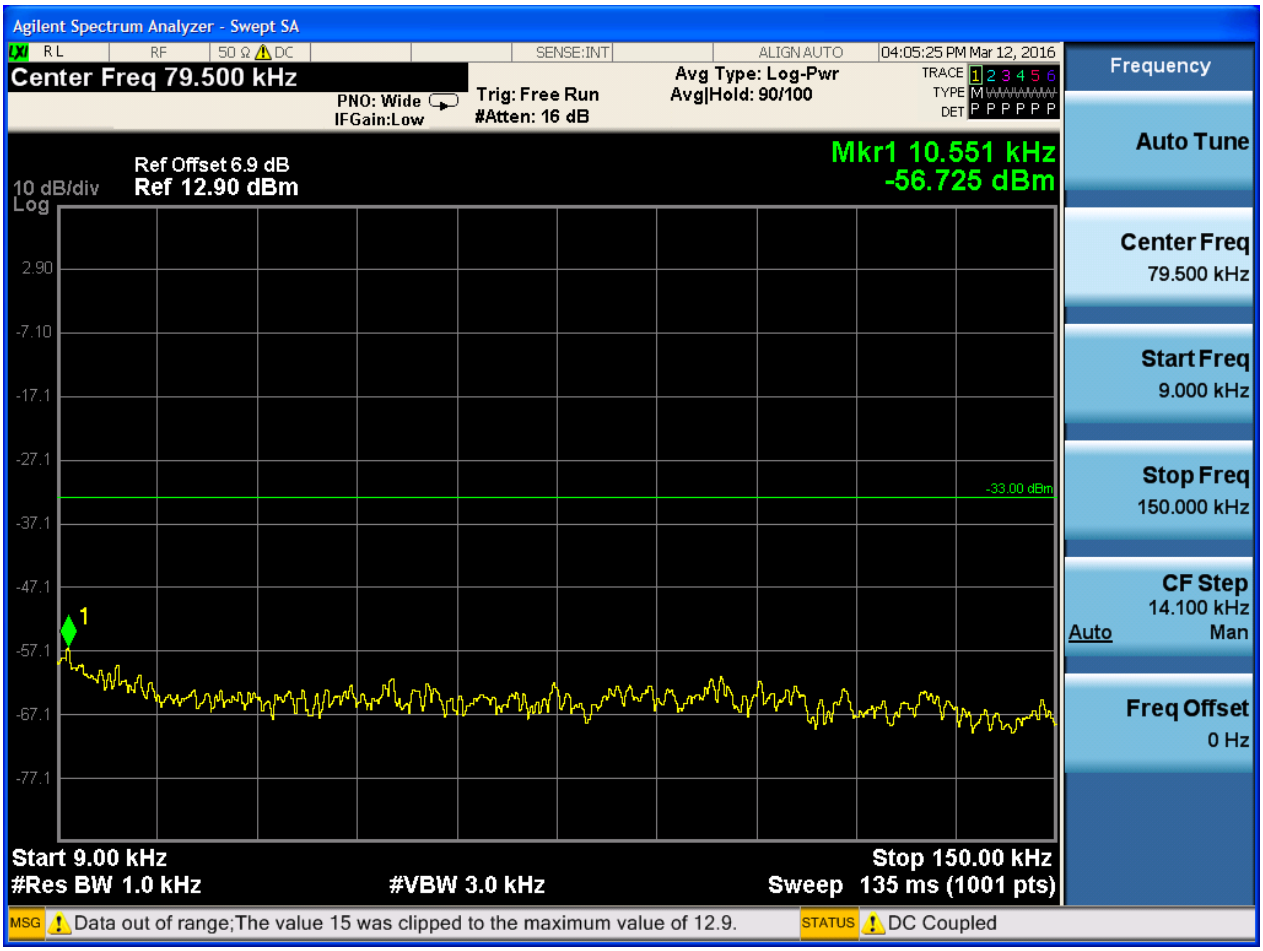

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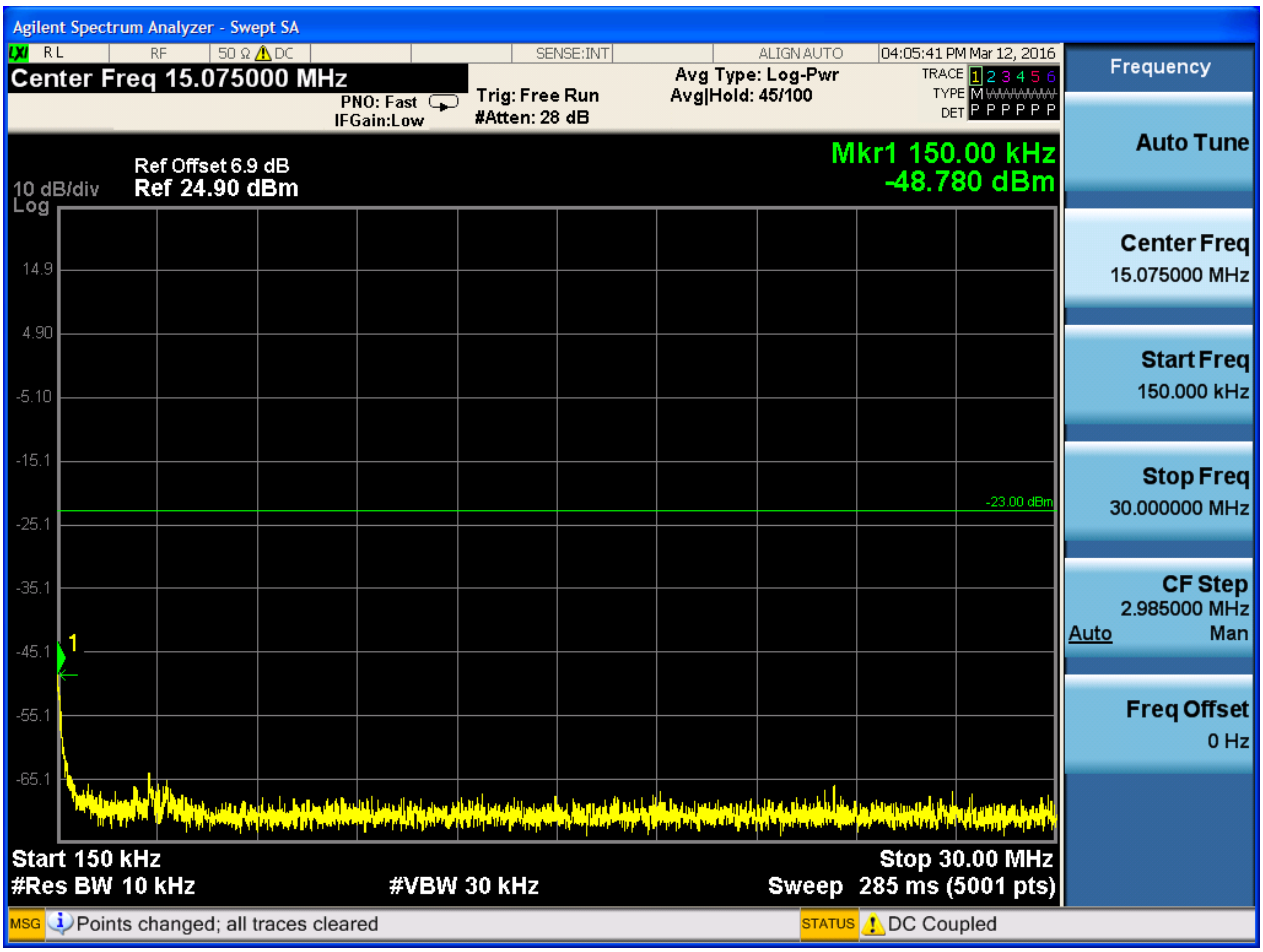
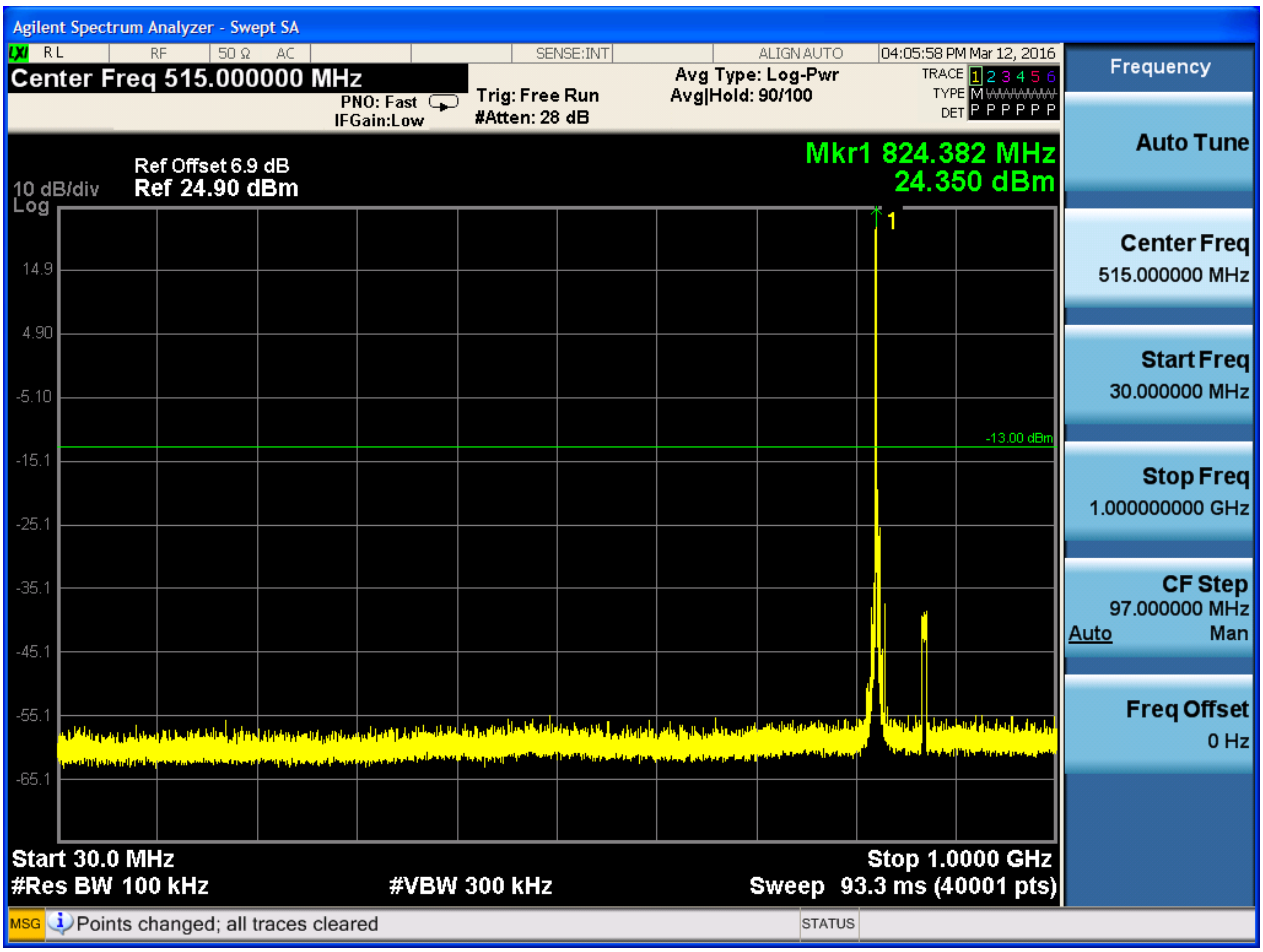

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 28 dB
Avg Type: Log-Pwr
Avg|Hold: 45/100
04:05:41 PM Mar 12, 2016
Ref Offset 6.9 dB
10 dB/div
Ref 24.90 dBm
Log
Mkr1 150.00 kHz
-48.780 dBm
-23.00 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz
Stop 30.00 MHz
Sweep 285 ms (5001 pts)
Points changed; all traces cleared
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz



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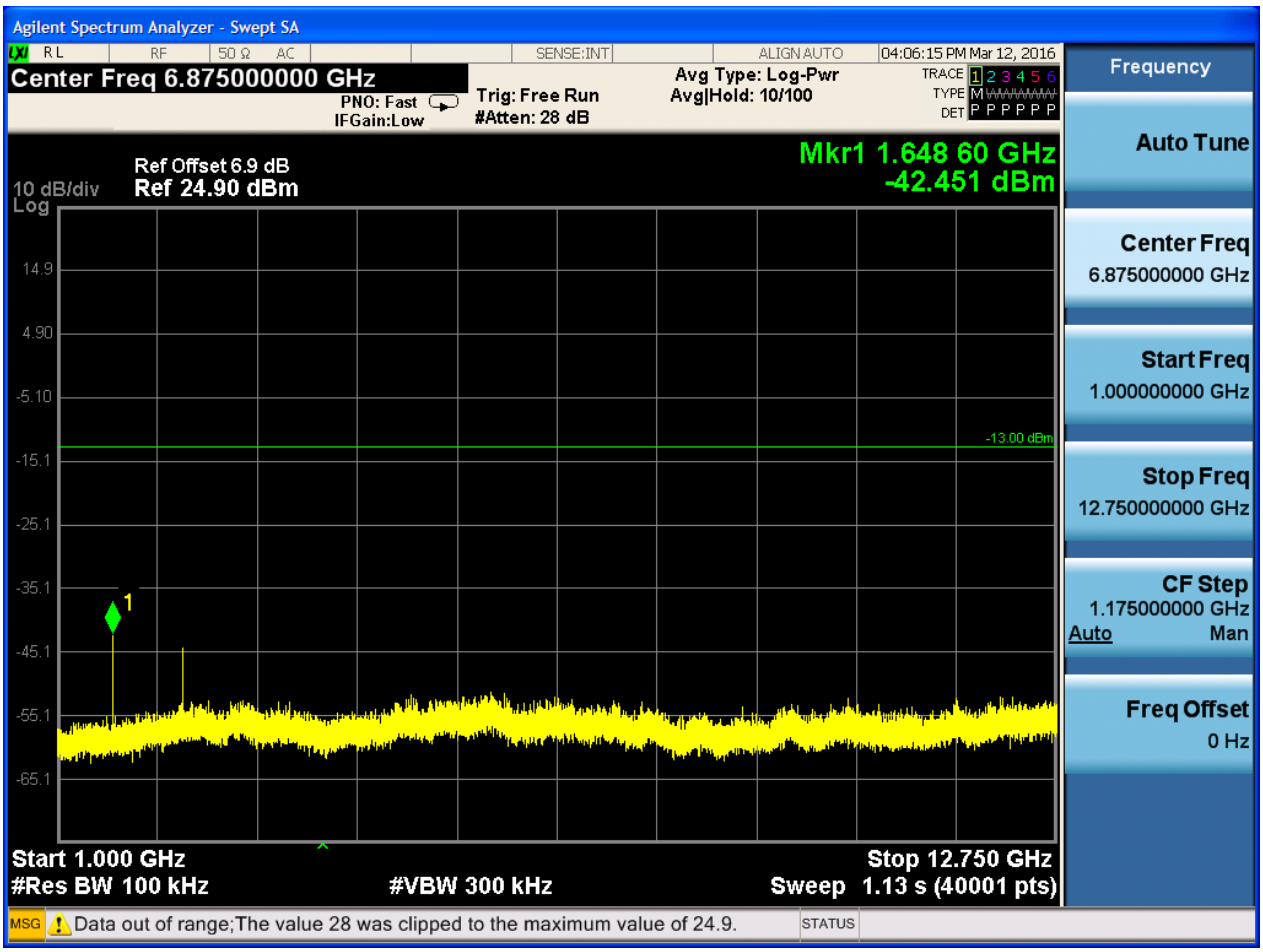

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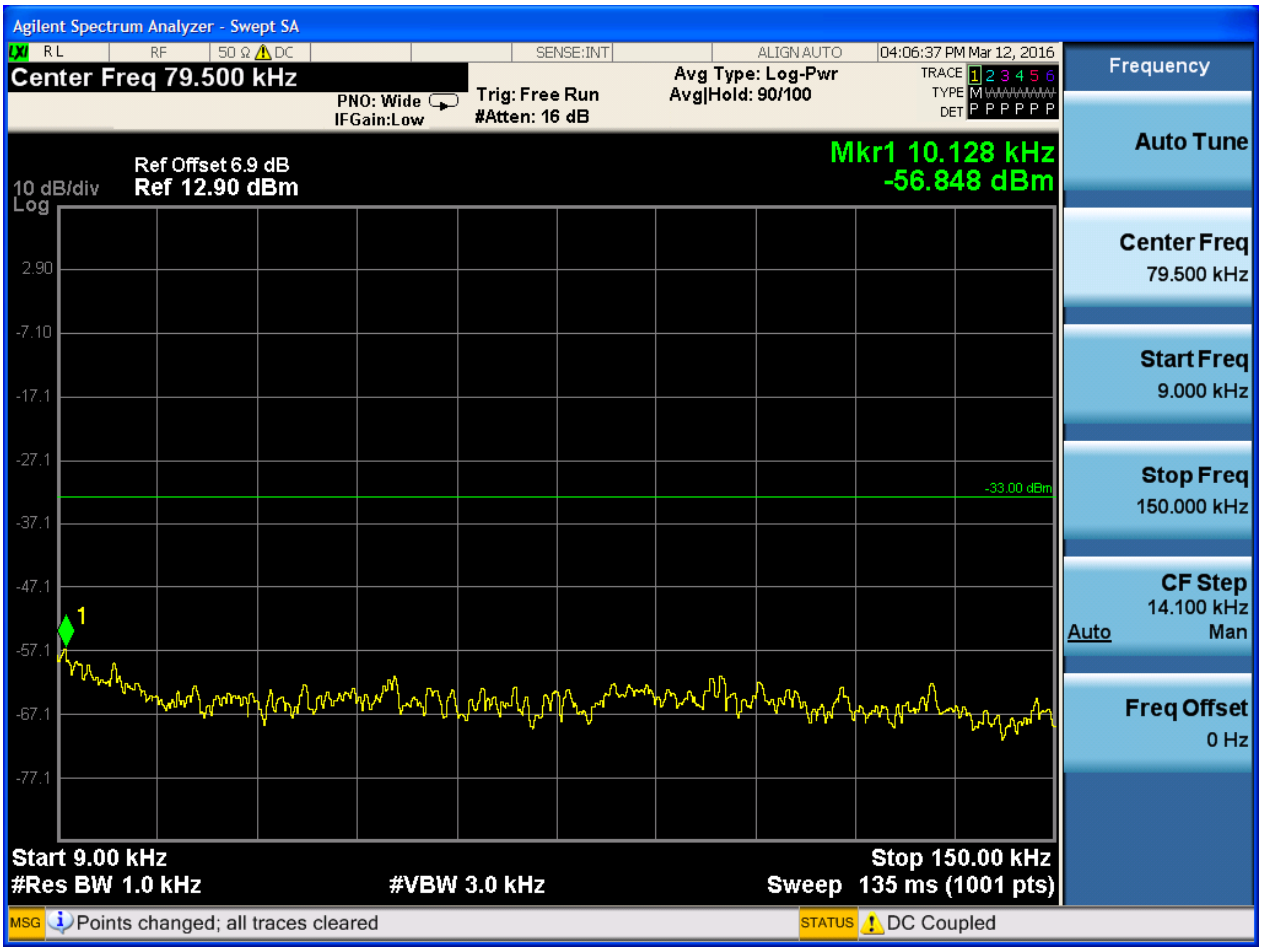
6.1.1.1.1.2 Test Channel = MCH

6.1.1.1.1.2.1 Test RB = RB1#0



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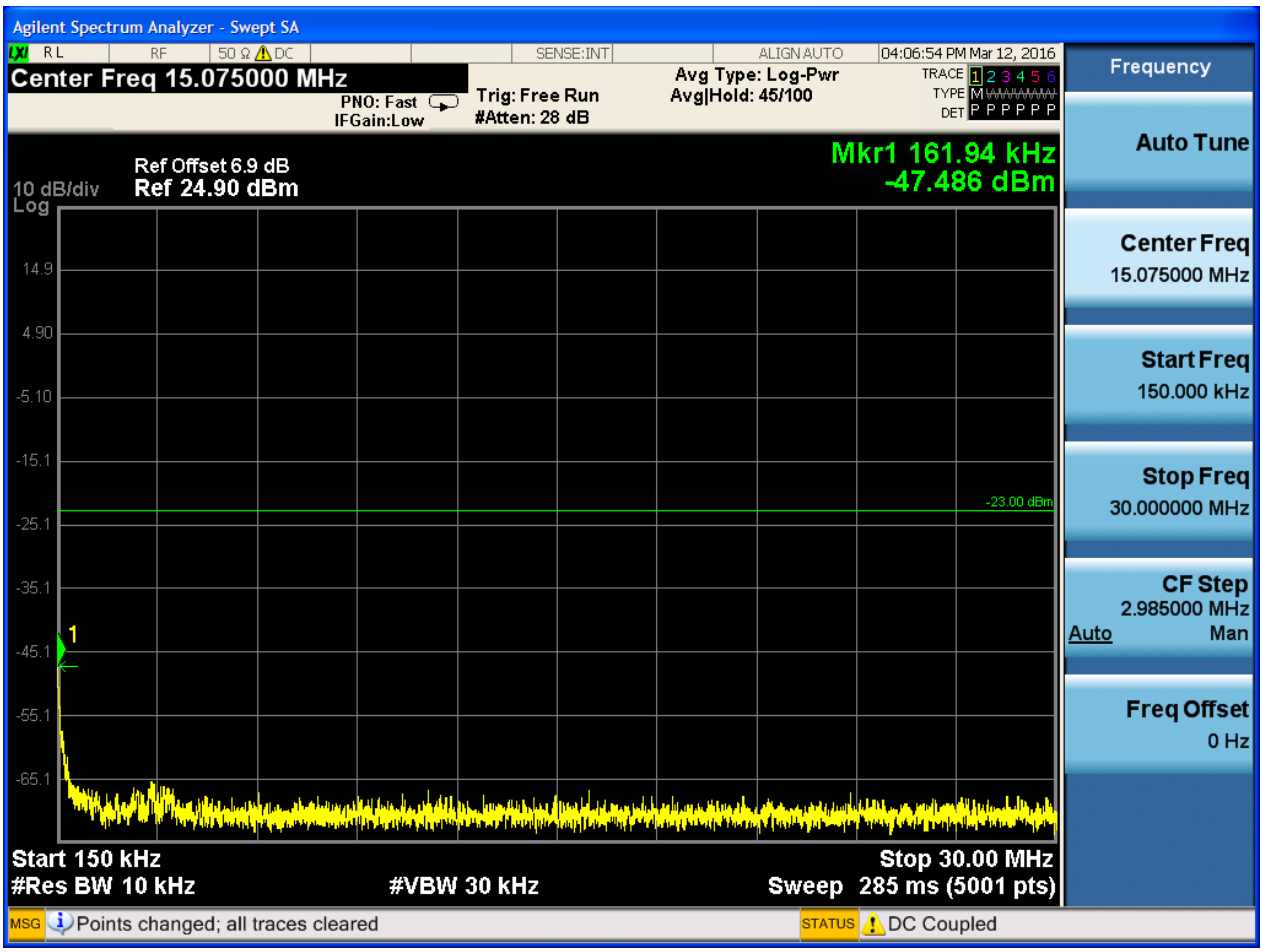
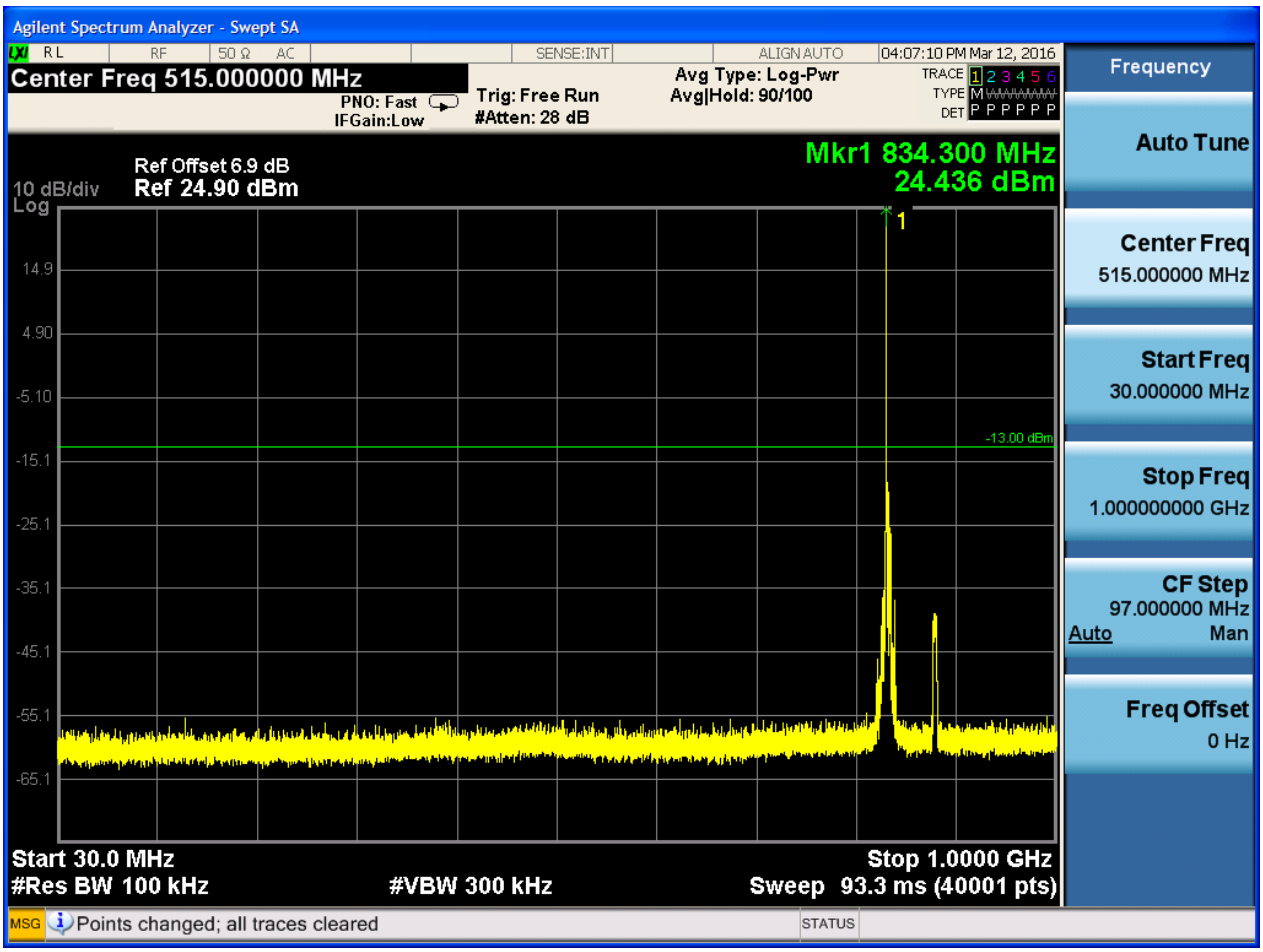

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 28 dB
Avg Type: Log-Pwr
Avg|Hold: 45/100
04:06:54 PM Mar 12, 2016
Ref Offset 6.9 dB
10 dB/div
Ref 24.90 dBm
Log
Mkr1 161.94 kHz
-47.486 dBm
-23.00 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz
Stop 30.00 MHz
Sweep 285 ms (5001 pts)
Points changed; all traces cleared
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz



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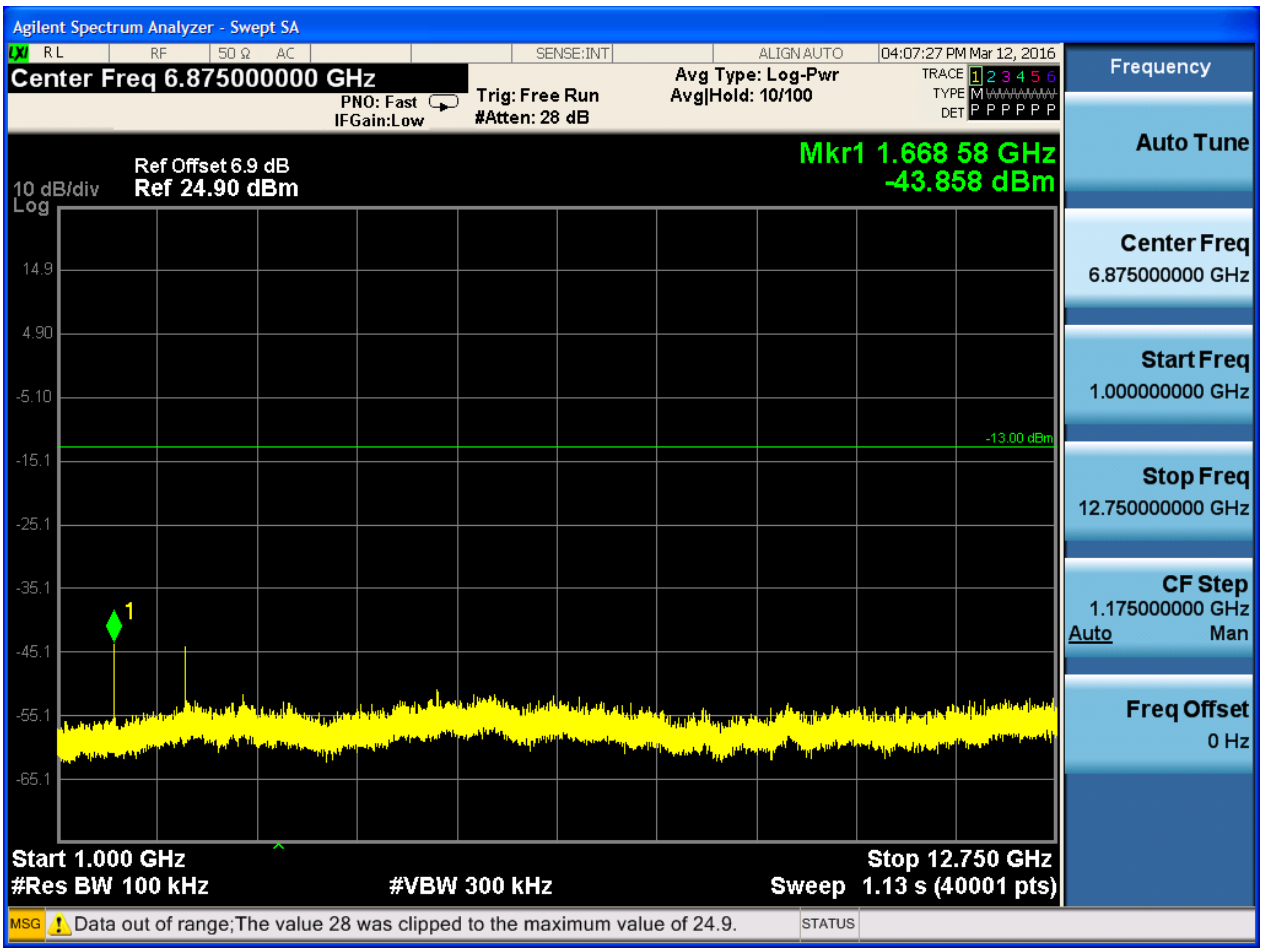

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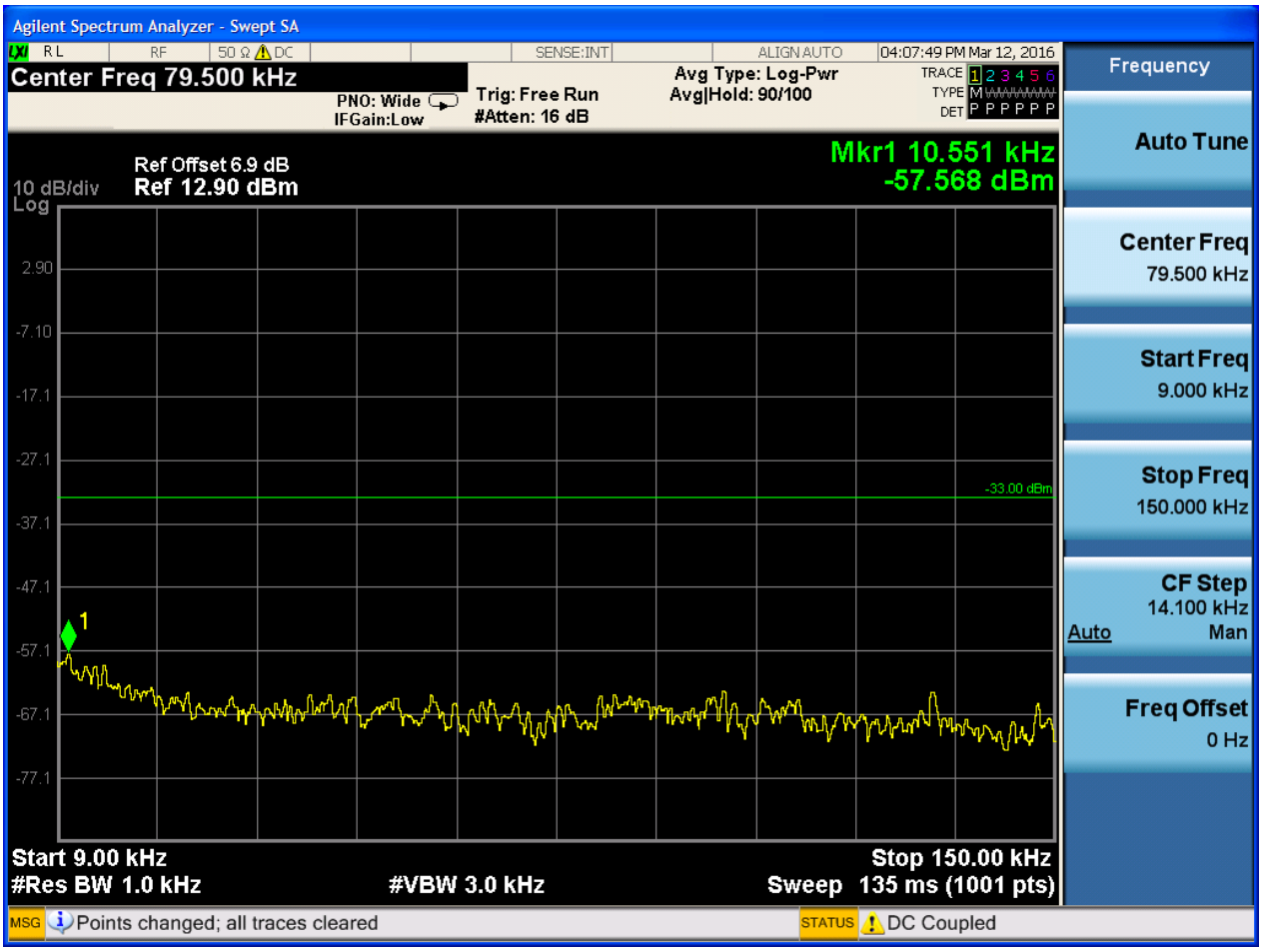
6.1.1.1.1.3 Test Channel = HCH

6.1.1.1.1.3.1 Test RB = RB1#0



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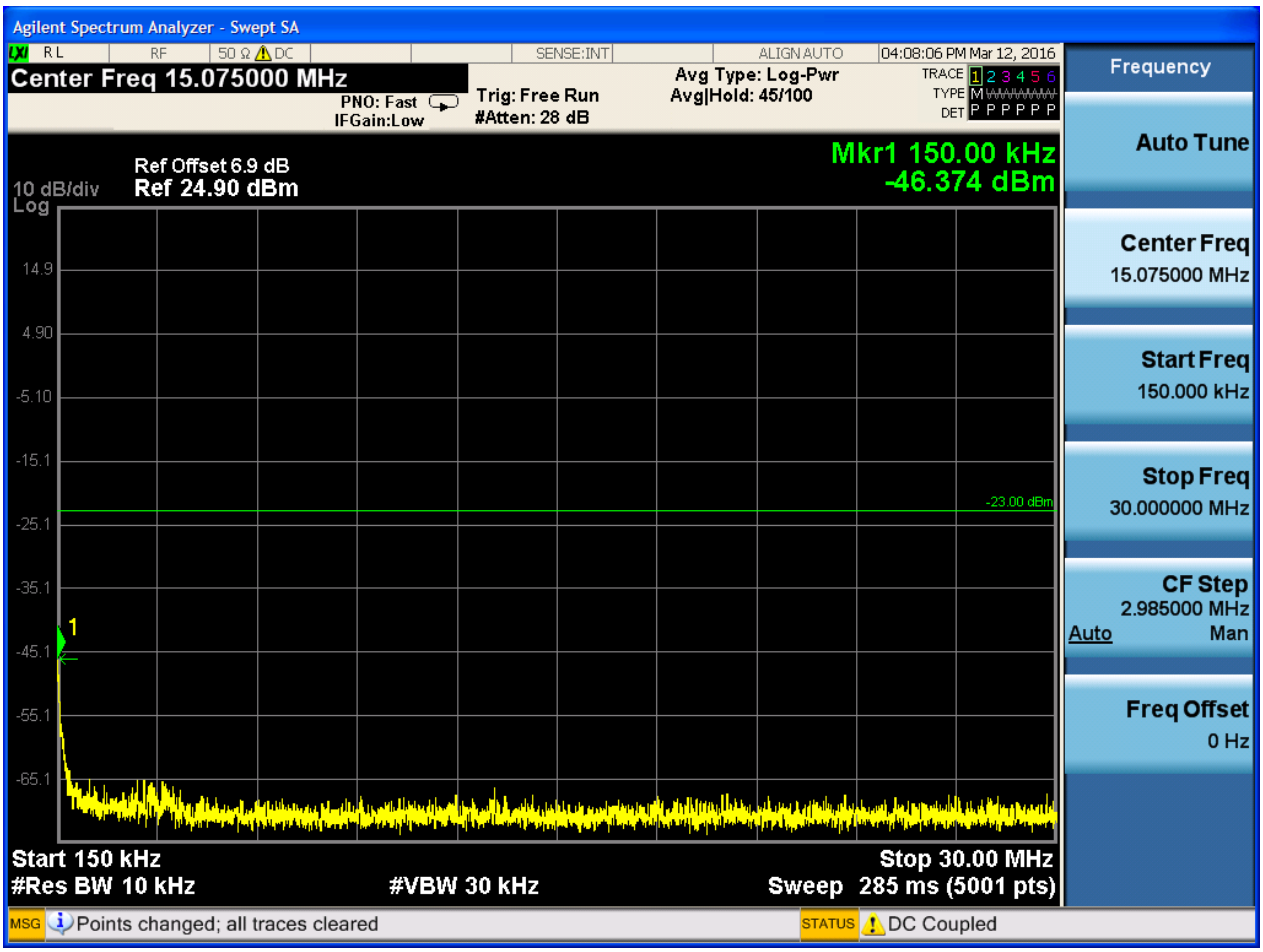
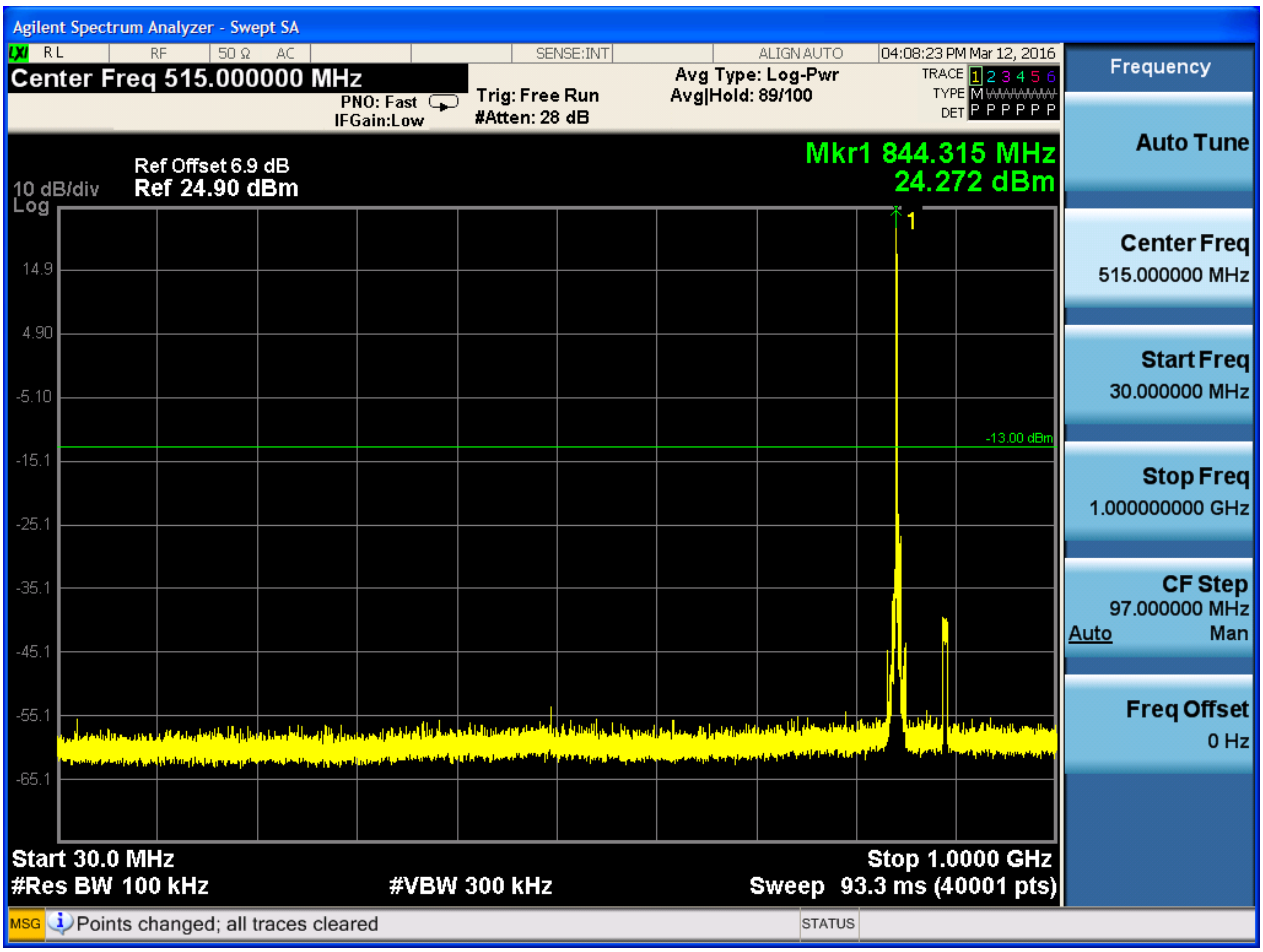

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 28 dB
Avg Type: Log-Pwr
Avg|Hold: 45/100
04:08:06 PM Mar 12, 2016
Ref Offset 6.9 dB
10 dB/div
Ref 24.90 dBm
Log
Mkr1 150.00 kHz
-46.374 dBm
-23.00 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz
Stop 30.00 MHz
Sweep 285 ms (5001 pts)
Points changed; all traces cleared
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz



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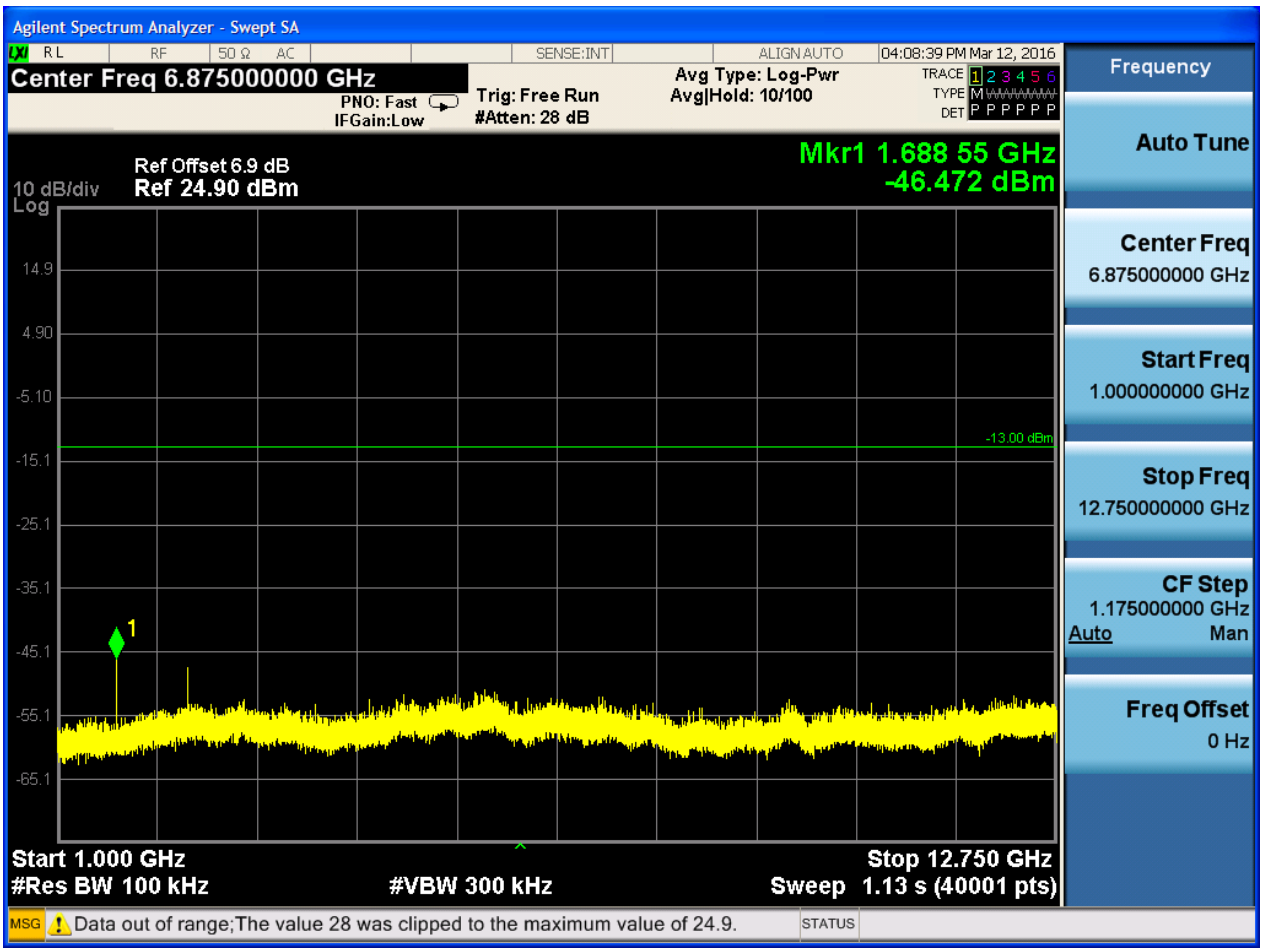

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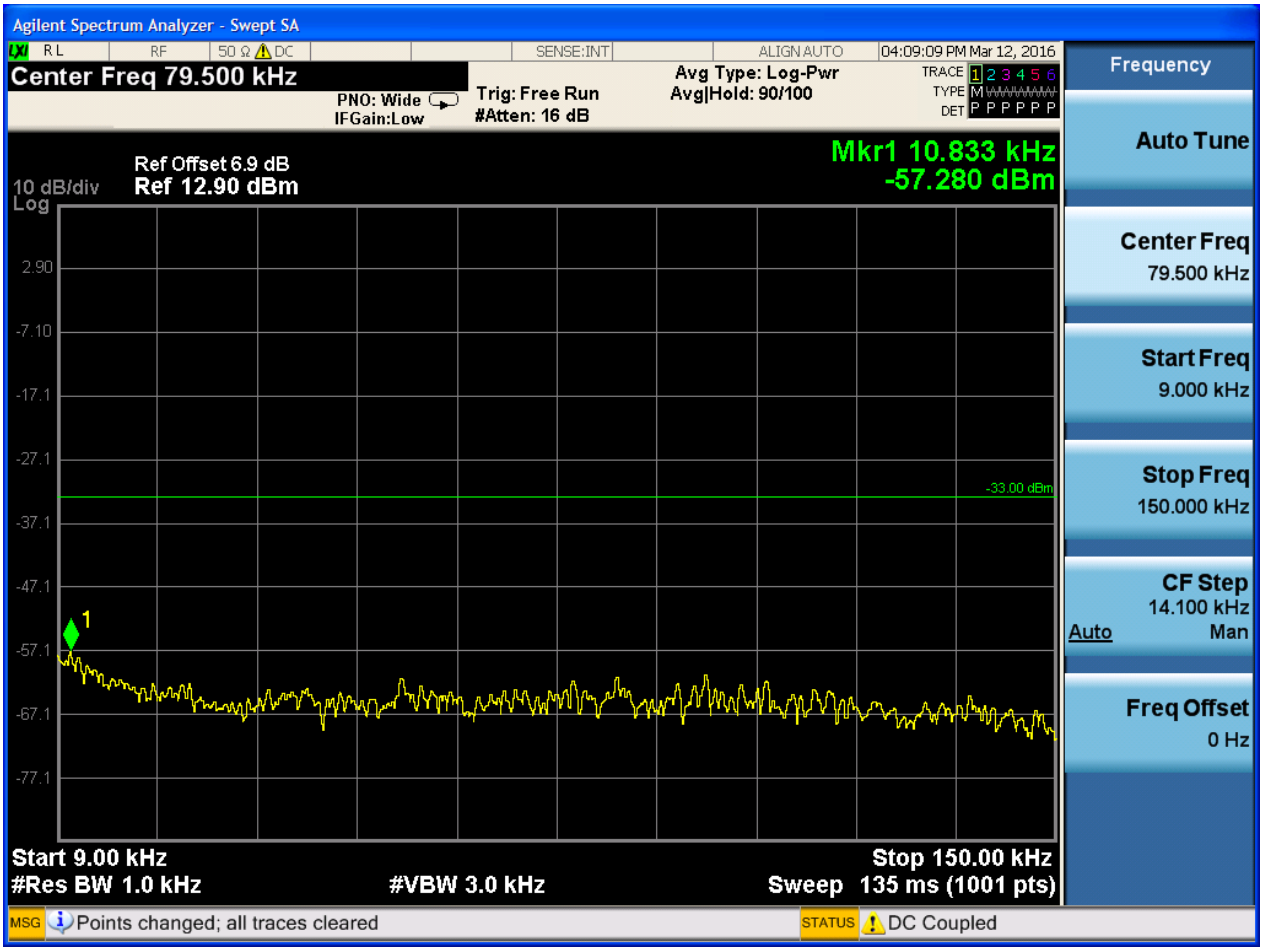
6.1.1.1.2 Test Bandwidth = 10

6.1.1.1.2.1 Test Channel = LCH

6.1.1.1.2.1.1 Test RB = RB1#0



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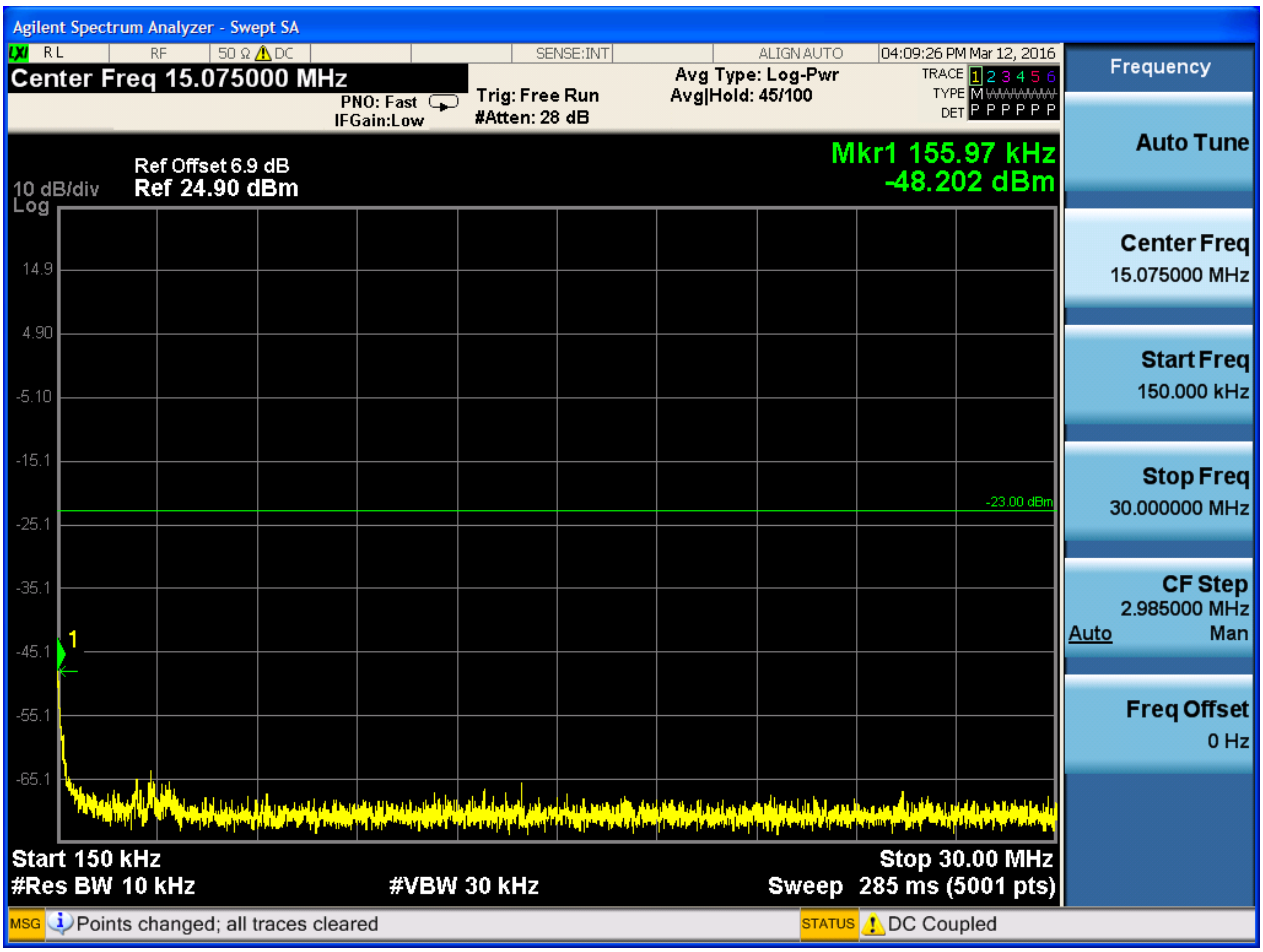
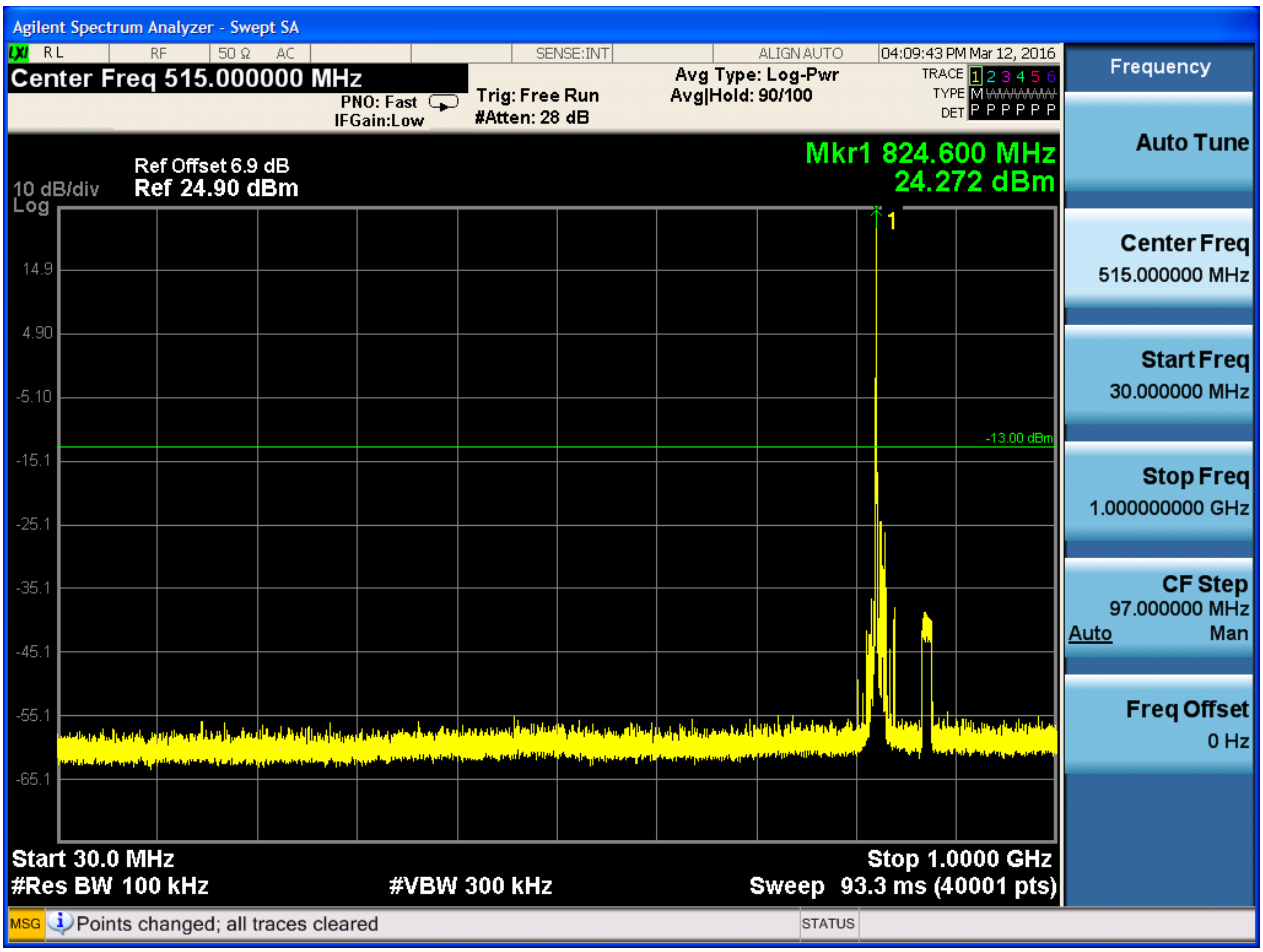

Agilent Spectrum Analyzer - Swept SA
Center Freq 15.075000 MHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 28 dB
Avg Type: Log-Pwr
Avg|Hold: 45/100
04:09:26 PM Mar 12, 2016
Ref Offset 6.9 dB
10 dB/div
Ref 24.90 dBm
Log
Mkr1 155.97 kHz
-48.202 dBm
-23.00 dBm
Start 150 kHz
#Res BW 10 kHz
#VBW 30 kHz
Stop 30.00 MHz
Sweep 285 ms (5001 pts)
Points changed; all traces cleared
DC Coupled
Frequency
Auto Tune
Center Freq
15.075000 MHz
Start Freq
150.000 kHz
Stop Freq
30.000000 MHz
CF Step
2.985000 MHz
Auto
Man
Freq Offset
0 Hz



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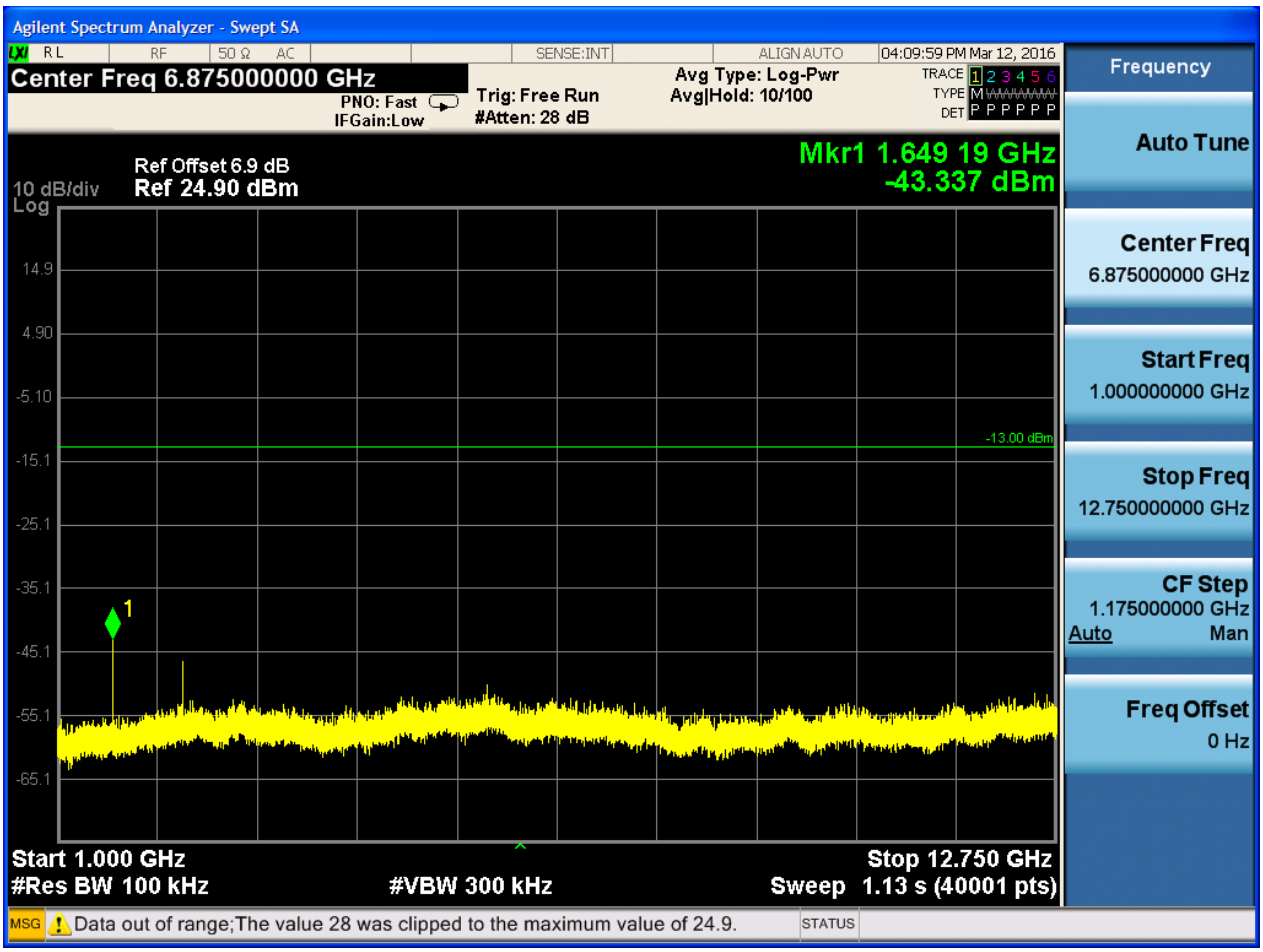

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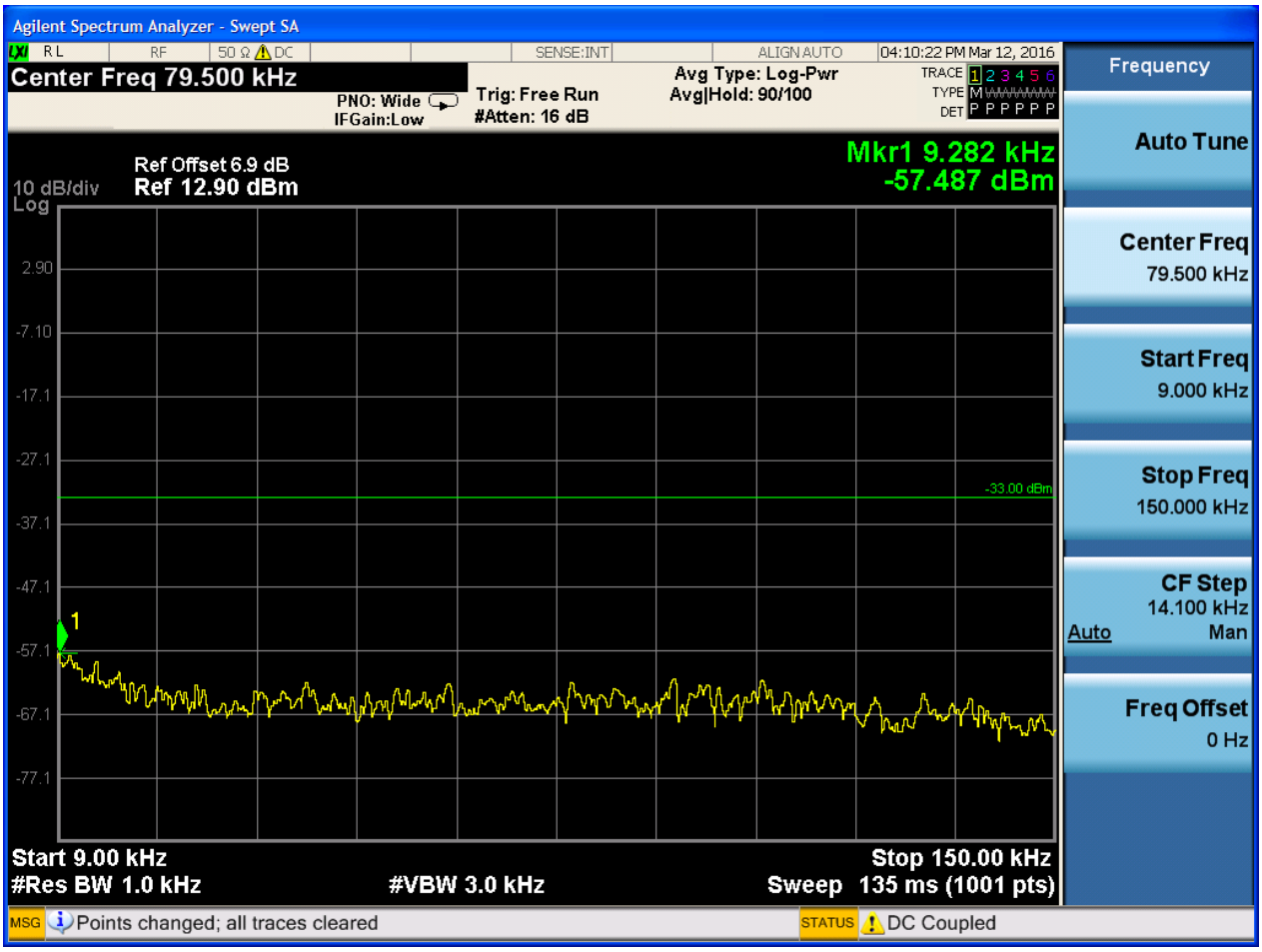
6.1.1.1.2.2 Test Channel = MCH

6.1.1.1.2.2.1 Test RB = RB1#0



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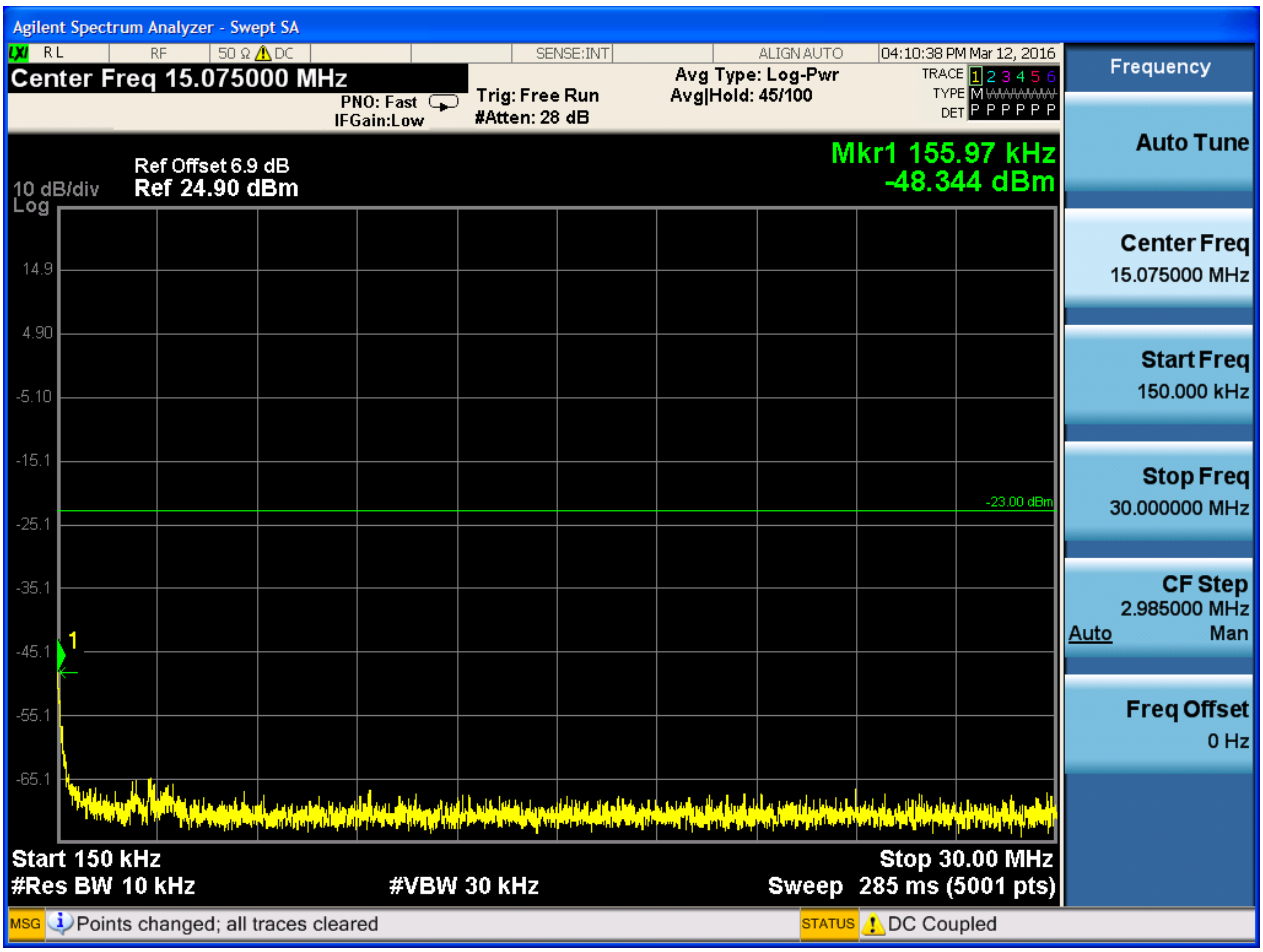

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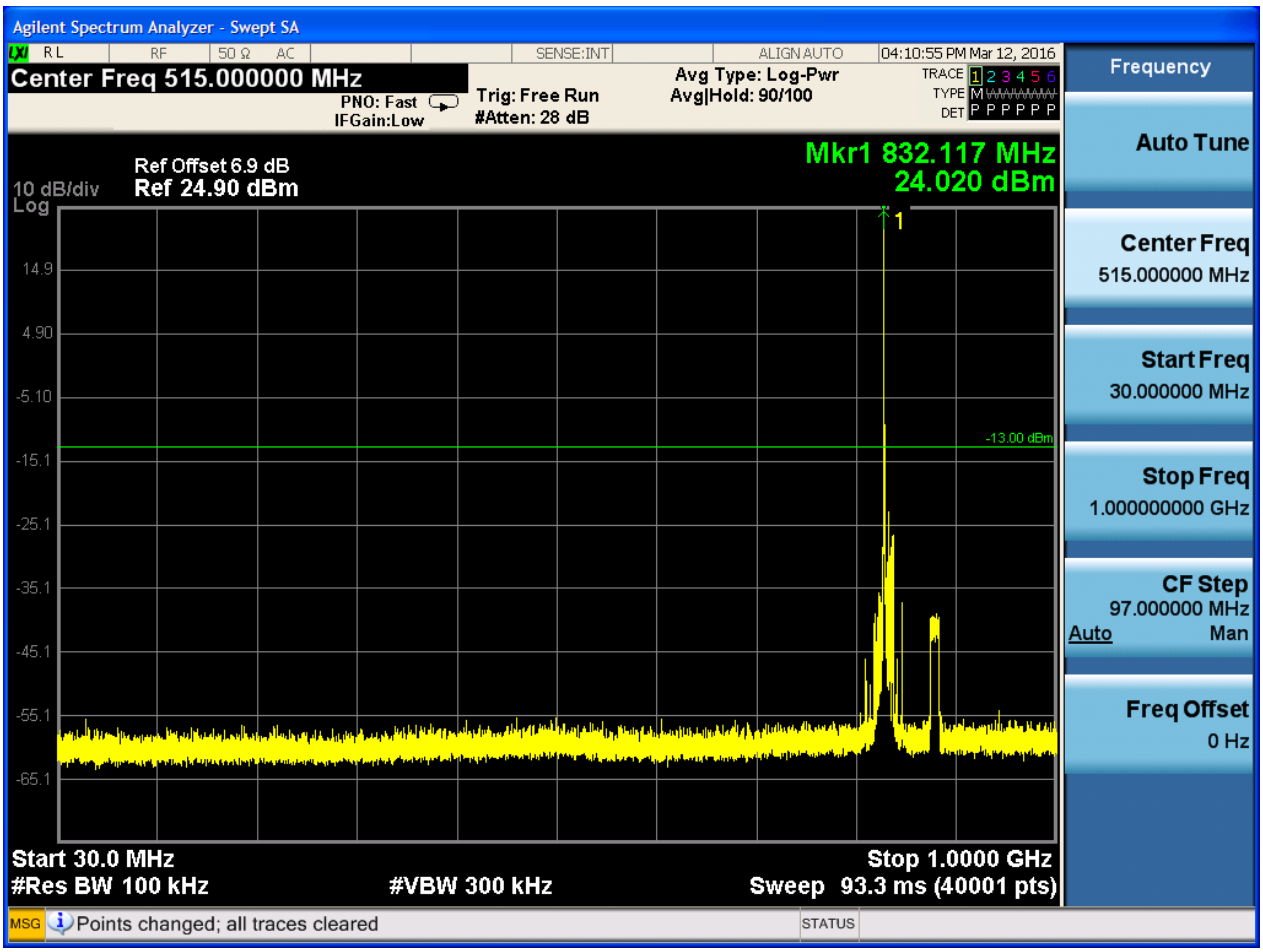

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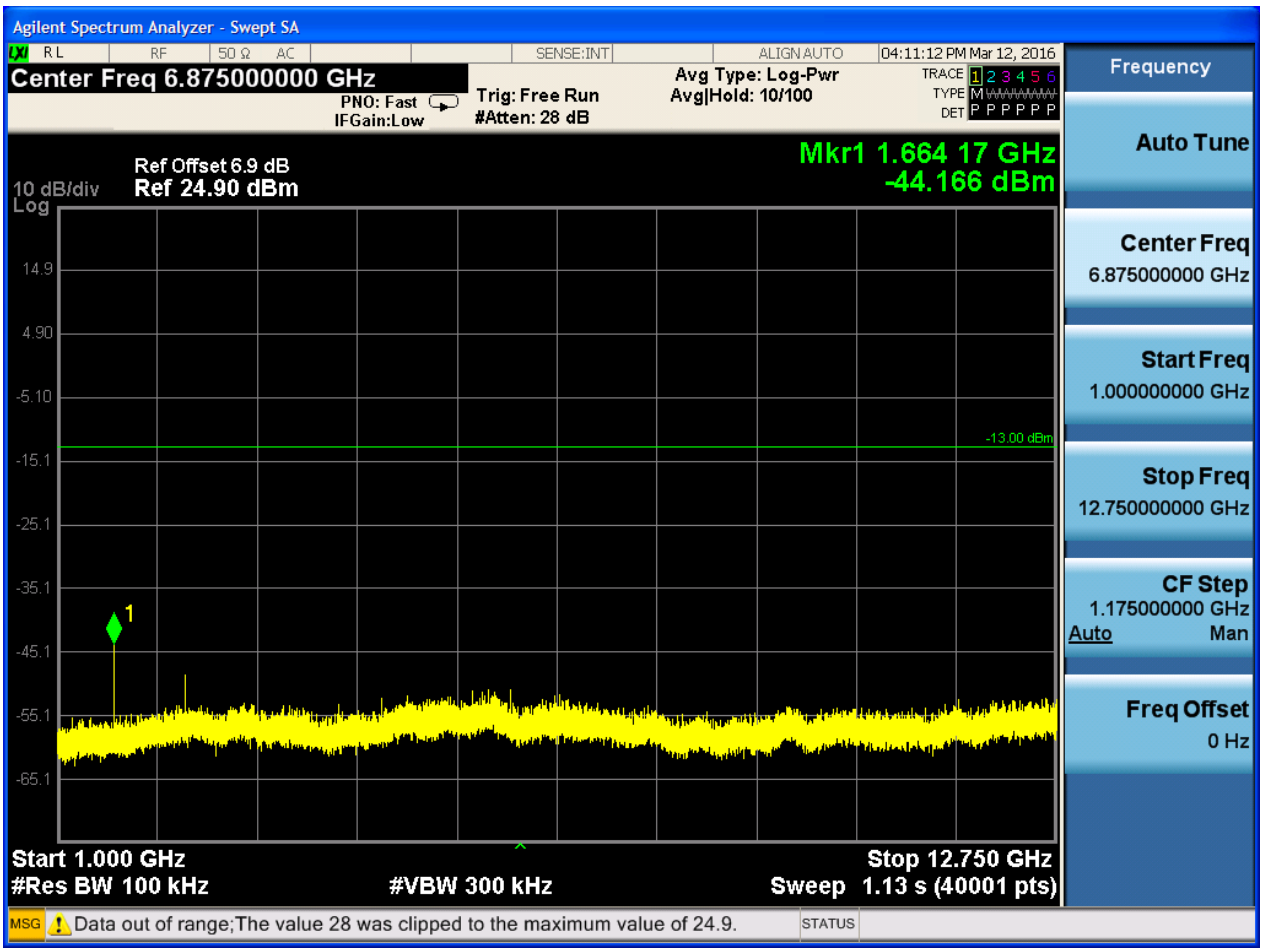

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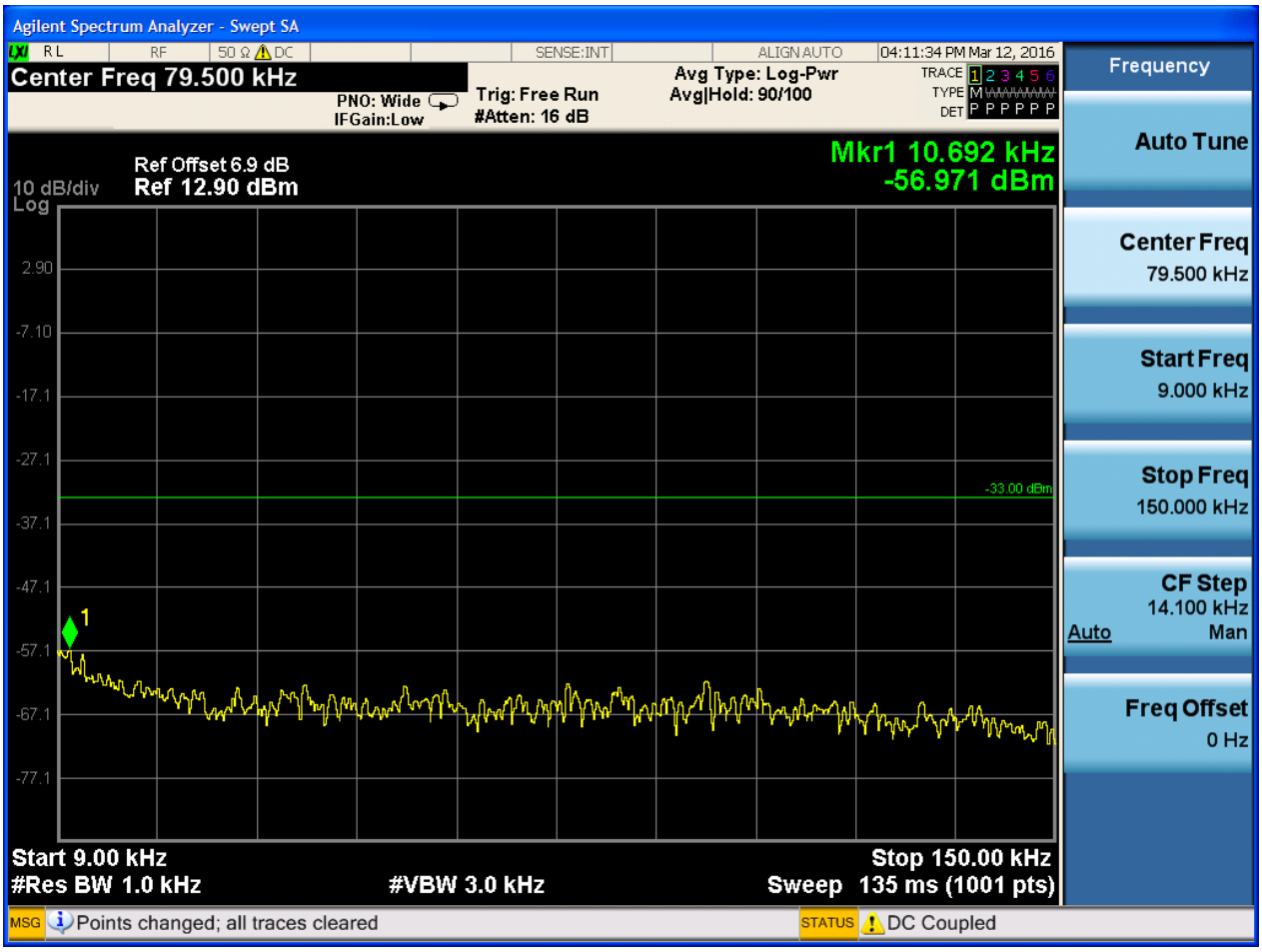
6.1.1.1.2.3 Test Channel = HCH

6.1.1.1.2.3.1 Test RB = RB1#0



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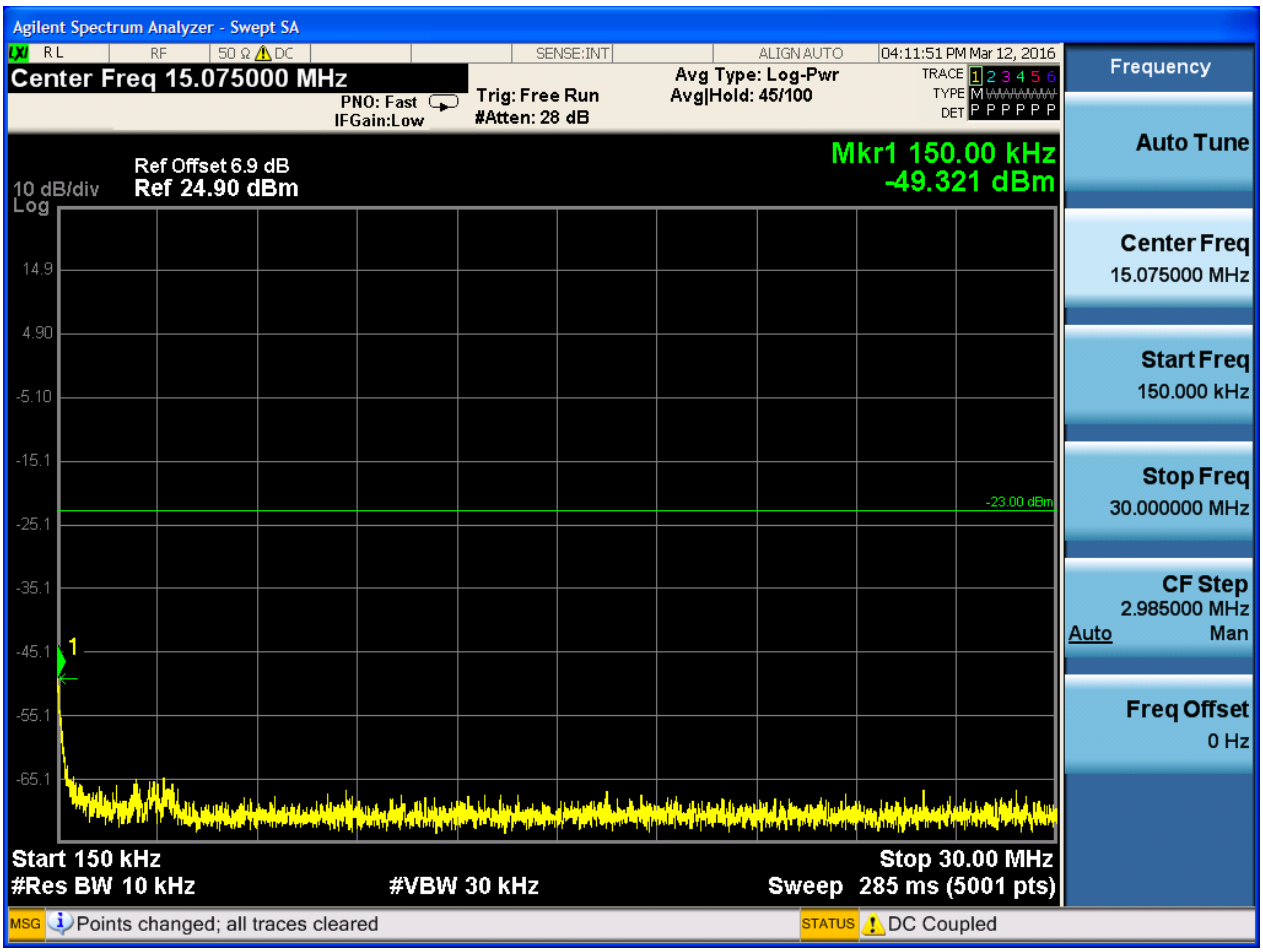

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