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	32.65	28.18	38.5	PASS
		MCH	32.59	28.12	38.5	PASS
		HCH	32.5	28.03	38.5	PASS
	GSM/TM2	LCH	26.9	22.43	38.5	PASS
		MCH	26.89	22.42	38.5	PASS
		HCH	26.92	22.45	38.5	PASS
WCDMA850	UMTS/TM1	LCH	23.34	18.87	38.5	PASS
		MCH	23.5	19.03	38.5	PASS
		HCH	23.32	18.85	38.5	PASS
Test Band	**Test Mode**	**Test Channel**	**Conducted Power [dBm]**	**EIRP [dBm]**	**Limit [dBm]**	**Verdict**
GSM1900	GSM/TM1	LCH	29.29	27.93	33	PASS
		MCH	29.35	27.99	33	PASS
		HCH	29.54	28.18	33	PASS
	GSM/TM2	LCH	25.76	24.4	33	PASS
		MCH	25.73	24.37	33	PASS
		HCH	25.74	24.38	33	PASS
WCDMA1900	UMTS/TM1	LCH	22.64	21.28	33	PASS
		MCH	22.9	21.54	33	PASS
		HCH	22.86	21.5	33	PASS

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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	20.8	20.96	33	PASS
				RB1#13	21.83	21.99	33	PASS
				RB1#24	21.3	21.46	33	PASS
				RB12#0	20.29	20.45	33	PASS
				RB12#6	21.05	21.21	33	PASS
				RB12#13	20.99	21.15	33	PASS
				RB25#0	20.82	20.98	33	PASS
			MCH	RB1#0	21.74	21.9	33	PASS
				RB1#13	22.34	22.5	33	PASS
				RB1#24	21.62	21.78	33	PASS
				RB12#0	21.15	21.31	33	PASS
				RB12#6	21.4	21.56	33	PASS
				RB12#13	21.06	21.22	33	PASS
				RB25#0	21.04	21.2	33	PASS
			HCH	RB1#0	21.31	21.47	33	PASS
				RB1#13	21.96	22.12	33	PASS
				RB1#24	21.24	21.4	33	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#0	20.77	20.93	33	PASS
				RB12#6	20.95	21.11	33	PASS
				RB12#13	20.66	20.82	33	PASS
				RB25#0	20.84	21	33	PASS
		10	LCH	RB1#0	20.93	21.09	33	PASS
				RB1#25	22.18	22.34	33	PASS
				RB1#49	20.75	20.91	33	PASS
				RB25#0	20.42	20.58	33	PASS
				RB25#13	20.89	21.05	33	PASS
				RB25#25	20.66	20.82	33	PASS
				RB50#0	20.59	20.75	33	PASS
			MCH	RB1#0	21.58	21.74	33	PASS
				RB1#25	22.33	22.49	33	PASS
				RB1#49	20.9	21.06	33	PASS
				RB25#0	20.9	21.06	33	PASS
				RB25#13	21.03	21.19	33	PASS
				RB25#25	20.77	20.93	33	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	20.76	20.92	33	PASS
			HCH	RB1#0	21.29	21.45	33	PASS
				RB1#25	21.97	22.13	33	PASS
				RB1#49	20.58	20.74	33	PASS
				RB25#0	20.56	20.72	33	PASS
				RB25#13	20.8	20.96	33	PASS
				RB25#25	20.55	20.71	33	PASS
				RB50#0	20.53	20.69	33	PASS
		15	LCH	RB1#0	21.44	21.6	33	PASS
				RB1#38	22.15	22.31	33	PASS
				RB1#74	21.06	21.22	33	PASS
				RB36#0	20.75	20.91	33	PASS
				RB36#18	20.93	21.09	33	PASS
				RB36#39	20.63	20.79	33	PASS
				RB75#0	20.83	20.99	33	PASS
			MCH	RB1#0	21.86	22.02	33	PASS
				RB1#38	22.31	22.47	33	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#74	21.3	21.46	33	PASS
				RB36#0	21.06	21.22	33	PASS
				RB36#18	21.24	21.4	33	PASS
				RB36#39	20.91	21.07	33	PASS
				RB75#0	20.92	21.08	33	PASS
			HCH	RB1#0	21.78	21.94	33	PASS
				RB1#38	22	22.16	33	PASS
				RB1#74	21.07	21.23	33	PASS
				RB36#0	20.79	20.95	33	PASS
				RB36#18	20.86	21.02	33	PASS
				RB36#39	20.59	20.75	33	PASS
				RB75#0	20.74	20.9	33	PASS
		20	LCH	RB1#0	21.76	21.92	33	PASS
				RB1#50	22.02	22.18	33	PASS
				RB1#99	21.38	21.54	33	PASS
				RB50#0	20.92	21.08	33	PASS
				RB50#25	20.81	20.97	33	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB50#50	20.72	20.88	33	PASS
				RB100#0	20.9	21.06	33	PASS
			MCH	RB1#0	22.09	22.25	33	PASS
				RB1#50	22.31	22.47	33	PASS
				RB1#99	21.53	21.69	33	PASS
				RB50#0	21.05	21.21	33	PASS
				RB50#25	21.1	21.26	33	PASS
				RB50#50	21.12	21.28	33	PASS
				RB100#0	21.08	21.24	33	PASS
			HCH	RB1#0	22.07	22.23	33	PASS
				RB1#50	22.05	22.21	33	PASS
				RB1#99	21.31	21.47	33	PASS
				RB50#0	20.95	21.11	33	PASS
				RB50#25	20.87	21.03	33	PASS
				RB50#50	20.84	21	33	PASS
				RB100#0	20.93	21.09	33	PASS
	LTE/TM2	5	LCH	RB1#0	20.02	20.18	33	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB1#13	21.03	21.19	33	PASS
				RB1#24	20.5	20.66	33	PASS
				RB12#0	19.38	19.54	33	PASS
				RB12#6	19.78	19.94	33	PASS
				RB12#13	19.72	19.88	33	PASS
				RB25#0	19.55	19.71	33	PASS
			MCH	RB1#0	20.85	21.01	33	PASS
				RB1#13	21.46	21.62	33	PASS
				RB1#24	20.74	20.9	33	PASS
				RB12#0	20.12	20.28	33	PASS
				RB12#6	20.38	20.54	33	PASS
				RB12#13	20.04	20.2	33	PASS
				RB25#0	19.98	20.14	33	PASS
			HCH	RB1#0	20.39	20.55	33	PASS
				RB1#13	21.07	21.23	33	PASS
				RB1#24	20.36	20.52	33	PASS
				RB12#0	19.76	19.92	33	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB12#6	19.94	20.1	33	PASS
				RB12#13	19.65	19.81	33	PASS
				RB25#0	19.78	19.94	33	PASS
		10	LCH	RB1#0	20.22	20.38	33	PASS
				RB1#25	21.46	21.62	33	PASS
				RB1#49	19.94	20.1	33	PASS
				RB25#0	19.29	19.45	33	PASS
				RB25#13	19.77	19.93	33	PASS
				RB25#25	19.54	19.7	33	PASS
				RB50#0	19.45	19.61	33	PASS
			MCH	RB1#0	20.81	20.97	33	PASS
				RB1#25	21.56	21.72	33	PASS
				RB1#49	20.17	20.33	33	PASS
				RB25#0	19.86	20.02	33	PASS
				RB25#13	20	20.16	33	PASS
				RB25#25	19.73	19.89	33	PASS
				RB50#0	19.71	19.87	33	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	20.59	20.75	33	PASS
				RB1#25	21.27	21.43	33	PASS
				RB1#49	19.97	20.13	33	PASS
				RB25#0	19.53	19.69	33	PASS
				RB25#13	19.78	19.94	33	PASS
				RB25#25	19.55	19.71	33	PASS
				RB50#0	19.5	19.66	33	PASS
		15	LCH	RB1#0	20.77	20.93	33	PASS
				RB1#38	21.49	21.65	33	PASS
				RB1#74	20.29	20.45	33	PASS
				RB36#0	19.58	19.74	33	PASS
				RB36#18	19.77	19.93	33	PASS
				RB36#39	19.56	19.72	33	PASS
				RB75#0	19.71	19.87	33	PASS
			MCH	RB1#0	21.17	21.33	33	PASS
				RB1#38	21.68	21.84	33	PASS
				RB1#74	20.71	20.87	33	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB36#0	19.97	20.13	33	PASS
				RB36#18	20.15	20.31	33	PASS
				RB36#39	19.84	20	33	PASS
				RB75#0	19.89	20.05	33	PASS
			HCH	RB1#0	21.14	21.3	33	PASS
				RB1#38	21.38	21.54	33	PASS
				RB1#74	20.5	20.66	33	PASS
				RB36#0	19.74	19.9	33	PASS
				RB36#18	19.81	19.97	33	PASS
				RB36#39	19.58	19.74	33	PASS
				RB75#0	19.72	19.88	33	PASS
		20	LCH	RB1#0	21.18	21.34	33	PASS
				RB1#50	21.4	21.56	33	PASS
				RB1#99	20.67	20.83	33	PASS
				RB50#0	19.8	19.96	33	PASS
				RB50#25	19.76	19.92	33	PASS
				RB50#50	19.7	19.86	33	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
				RB100#0	19.8	19.96	33	PASS
			MCH	RB1#0	21.46	21.62	33	PASS
				RB1#50	21.71	21.87	33	PASS
				RB1#99	21.02	21.18	33	PASS
				RB50#0	20.02	20.18	33	PASS
				RB50#25	20.07	20.23	33	PASS
				RB50#50	20.11	20.27	33	PASS
				RB100#0	20.07	20.23	33	PASS
			HCH	RB1#0	21.42	21.58	33	PASS
				RB1#50	21.39	21.55	33	PASS
				RB1#99	20.74	20.9	33	PASS
				RB50#0	19.92	20.08	33	PASS
				RB50#25	19.84	20	33	PASS
				RB50#50	19.86	20.02	33	PASS
				RB100#0	19.94	20.1	33	PASS

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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: RBW > emission bandwidth, VBW > 3 x RBW.

Detector: RMS

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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	0.2	13	PASS
		MCH	0.19	13	PASS
		HCH	0.18	13	PASS
	GSM/TM2	LCH	2.96	13	PASS
		MCH	3.06	13	PASS
		HCH	2.96	13	PASS
GSM1900	GSM/TM1	LCH	0.14	13	PASS
		MCH	0.14	13	PASS
		HCH	0.13	13	PASS
	GSM/TM2	LCH	3	13	PASS
		MCH	2.96	13	PASS
		HCH	2.85	13	PASS

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
WCDMA850	UMTS/TM1	LCH	2.94	13	PASS
		MCH	2.94	13	PASS
		HCH	2.73	13	PASS
WCDMA1900	UMTS/TM1	LCH	2.75	13	PASS
		MCH	2.59	13	PASS
		HCH	2.76	13	PASS

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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	4.62	13	PASS
				RB1#13	4.08	13	PASS
				RB1#24	4.43	13	PASS
				RB12#0	5.75	13	PASS
				RB12#6	5.43	13	PASS
				RB12#13	5.62	13	PASS
				RB25#0	5.8	13	PASS
			MCH	RB1#0	4.74	13	PASS
				RB1#13	4.39	13	PASS
				RB1#24	4.83	13	PASS
				RB12#0	5.71	13	PASS
				RB12#6	5.41	13	PASS
				RB12#13	5.55	13	PASS
				RB25#0	5.64	13	PASS
			HCH	RB1#0	4.62	13	PASS
				RB1#13	4.32	13	PASS
				RB1#24	4.77	13	PASS
				RB12#0	5.61	13	PASS
				RB12#6	5.38	13	PASS
				RB12#13	5.54	13	PASS
				RB25#0	5.56	13	PASS
		10	LCH	RB1#0	4.55	13	PASS
				RB1#25	3.98	13	PASS
				RB1#49	4.72	13	PASS
				RB25#0	5.71	13	PASS
				RB25#13	5.38	13	PASS
				RB25#25	5.68	13	PASS
				RB50#0	5.82	13	PASS
			MCH	RB1#0	4.64	13	PASS
				RB1#25	4.23	13	PASS
				RB1#49	4.69	13	PASS
				RB25#0	5.63	13	PASS
				RB25#13	5.37	13	PASS
				RB25#25	5.67	13	PASS
				RB50#0	6.08	13	PASS
			HCH	RB1#0	4.6	13	PASS
				RB1#25	4.17	13	PASS
				RB1#49	4.56	13	PASS

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Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#0	5.61	13	PASS
				RB25#13	5.28	13	PASS
				RB25#25	5.54	13	PASS
				RB50#0	5.9	13	PASS
		15	LCH	RB1#0	4.36	13	PASS
				RB1#38	4.11	13	PASS
				RB1#74	4.64	13	PASS
				RB36#0	5.61	13	PASS
				RB36#18	5.46	13	PASS
				RB36#39	5.54	13	PASS
				RB75#0	5.91	13	PASS
			MCH	RB1#0	4.56	13	PASS
				RB1#38	4.31	13	PASS
				RB1#74	4.42	13	PASS
				RB36#0	5.66	13	PASS
				RB36#18	5.41	13	PASS
				RB36#39	5.65	13	PASS
				RB75#0	6.22	13	PASS
			HCH	RB1#0	4.44	13	PASS
				RB1#38	4.26	13	PASS
				RB1#74	4.36	13	PASS
				RB36#0	5.74	13	PASS
				RB36#18	5.49	13	PASS
				RB36#39	5.67	13	PASS
				RB75#0	6.09	13	PASS
		20	LCH	RB1#0	4.1	13	PASS
				RB1#50	4.17	13	PASS
				RB1#99	4.59	13	PASS
				RB50#0	5.63	13	PASS
				RB50#25	5.44	13	PASS
				RB50#50	5.66	13	PASS
				RB100#0	6.06	13	PASS
			MCH	RB1#0	4.24	13	PASS
				RB1#50	4.12	13	PASS
				RB1#99	4.15	13	PASS
				RB50#0	5.74	13	PASS
				RB50#25	5.55	13	PASS
				RB50#50	5.59	13	PASS
				RB100#0	5.95	13	PASS

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Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			HCH	RB1#0	4.33	13	PASS
				RB1#50	4.23	13	PASS
				RB1#99	4.23	13	PASS
				RB50#0	5.73	13	PASS
				RB50#25	5.53	13	PASS
				RB50#50	5.58	13	PASS
				RB100#0	6.01	13	PASS
	LTE/TM2	5	LCH	RB1#0	5.72	13	PASS
				RB1#13	5.04	13	PASS
				RB1#24	5.41	13	PASS
				RB12#0	5.91	13	PASS
				RB12#6	5.59	13	PASS
				RB12#13	5.89	13	PASS
				RB25#0	6.14	13	PASS
			MCH	RB1#0	5.53	13	PASS
				RB1#13	5.06	13	PASS
				RB1#24	5.5	13	PASS
				RB12#0	6	13	PASS
				RB12#6	5.73	13	PASS
				RB12#13	6	13	PASS
				RB25#0	6.28	13	PASS
			HCH	RB1#0	5.4	13	PASS
				RB1#13	4.94	13	PASS
				RB1#24	5.31	13	PASS
				RB12#0	6.15	13	PASS
				RB12#6	5.9	13	PASS
				RB12#13	6.19	13	PASS
				RB25#0	6.34	13	PASS
		10	LCH	RB1#0	5.26	13	PASS
				RB1#25	4.68	13	PASS
				RB1#49	5.31	13	PASS
				RB25#0	6.3	13	PASS
				RB25#13	5.89	13	PASS
				RB25#25	6.21	13	PASS
				RB50#0	6.4	13	PASS
			MCH	RB1#0	5.08	13	PASS
				RB1#25	4.68	13	PASS
				RB1#49	5.24	13	PASS
				RB25#0	6.41	13	PASS

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Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#13	6.13	13	PASS
				RB25#25	6.4	13	PASS
				RB50#0	6.73	13	PASS
			HCH	RB1#0	5.22	13	PASS
				RB1#25	4.79	13	PASS
				RB1#49	5.27	13	PASS
				RB25#0	6.41	13	PASS
				RB25#13	6.04	13	PASS
				RB25#25	6.3	13	PASS
				RB50#0	6.59	13	PASS
		15	LCH	RB1#0	4.95	13	PASS
				RB1#38	4.61	13	PASS
				RB1#74	4.91	13	PASS
				RB36#0	6.24	13	PASS
				RB36#18	6.05	13	PASS
				RB36#39	6.37	13	PASS
				RB75#0	6.67	13	PASS
			MCH	RB1#0	5.06	13	PASS
				RB1#38	4.79	13	PASS
				RB1#74	5.01	13	PASS
				RB36#0	6.35	13	PASS
				RB36#18	6.09	13	PASS
				RB36#39	6.38	13	PASS
				RB75#0	6.88	13	PASS
			HCH	RB1#0	5.09	13	PASS
				RB1#38	4.85	13	PASS
				RB1#74	5.15	13	PASS
				RB36#0	6.36	13	PASS
				RB36#18	6.11	13	PASS
				RB36#39	6.36	13	PASS
				RB75#0	6.9	13	PASS
		20	LCH	RB1#0	4.8	13	PASS
				RB1#50	4.71	13	PASS
				RB1#99	4.89	13	PASS
				RB50#0	6.09	13	PASS
				RB50#25	6.03	13	PASS
				RB50#50	6.23	13	PASS
				RB100#0	6.51	13	PASS
			MCH	RB1#0	5.09	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#50	4.84	13	PASS
				RB1#99	5.13	13	PASS
				RB50#0	6.33	13	PASS
				RB50#25	6.12	13	PASS
				RB50#50	6.21	13	PASS
				RB100#0	6.71	13	PASS
			HCH	RB1#0	4.79	13	PASS
				RB1#50	4.78	13	PASS
				RB1#99	5	13	PASS
				RB50#0	6.32	13	PASS
				RB50#25	6.15	13	PASS
				RB50#50	6.19	13	PASS
				RB100#0	6.68	13	PASS

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3Appendix_C: Modulation Characteristics

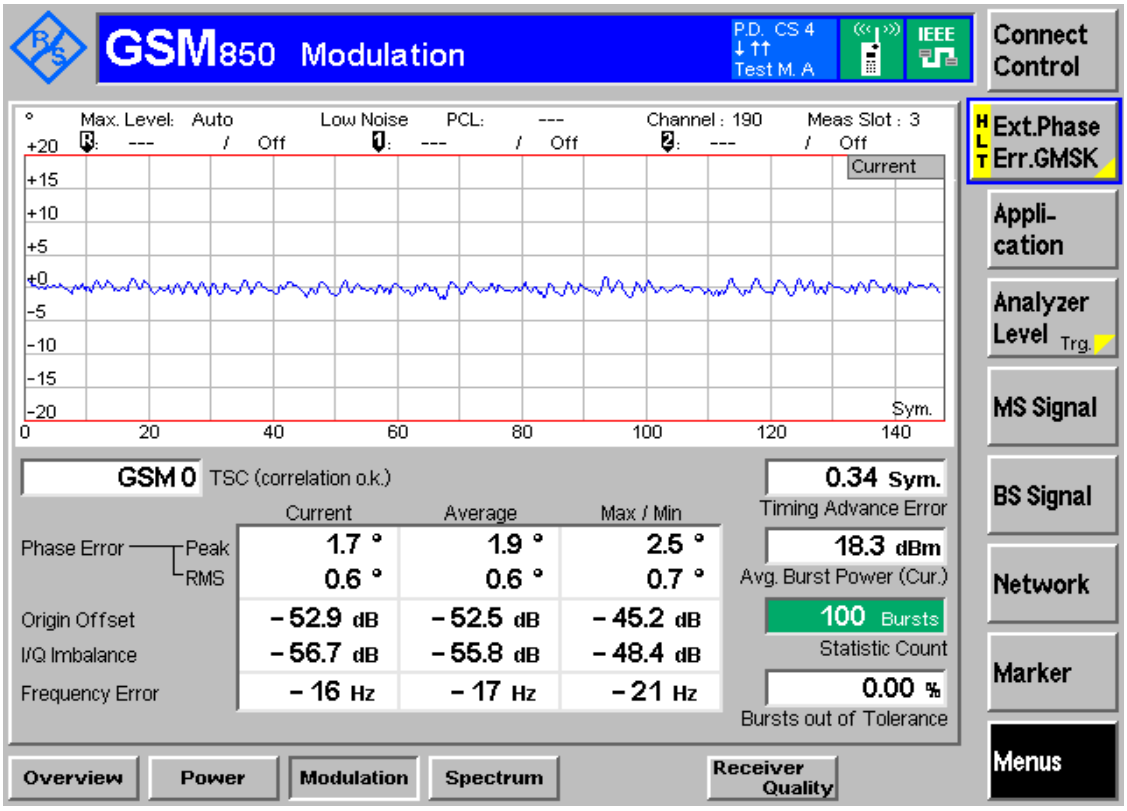
Part I - Test Plots

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



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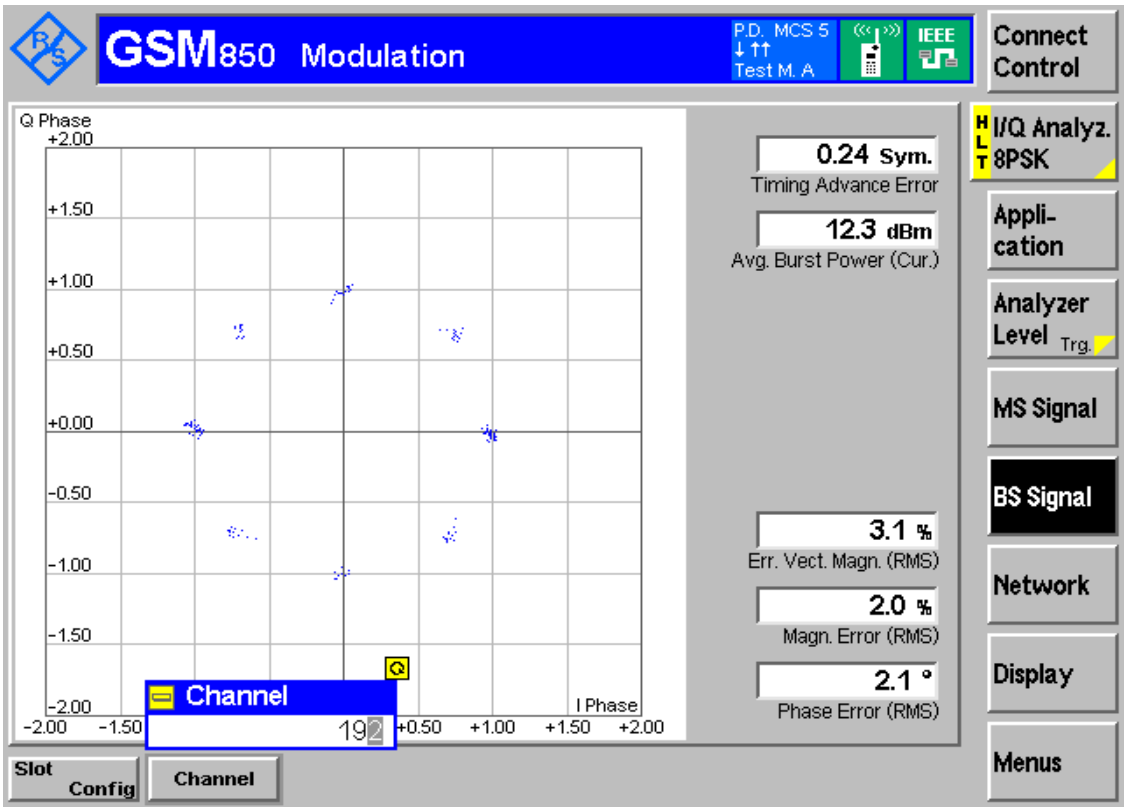
3.1.1.2 Test Mode = GSM/TM2

3.1.1.2.1 Test Channel = MCH



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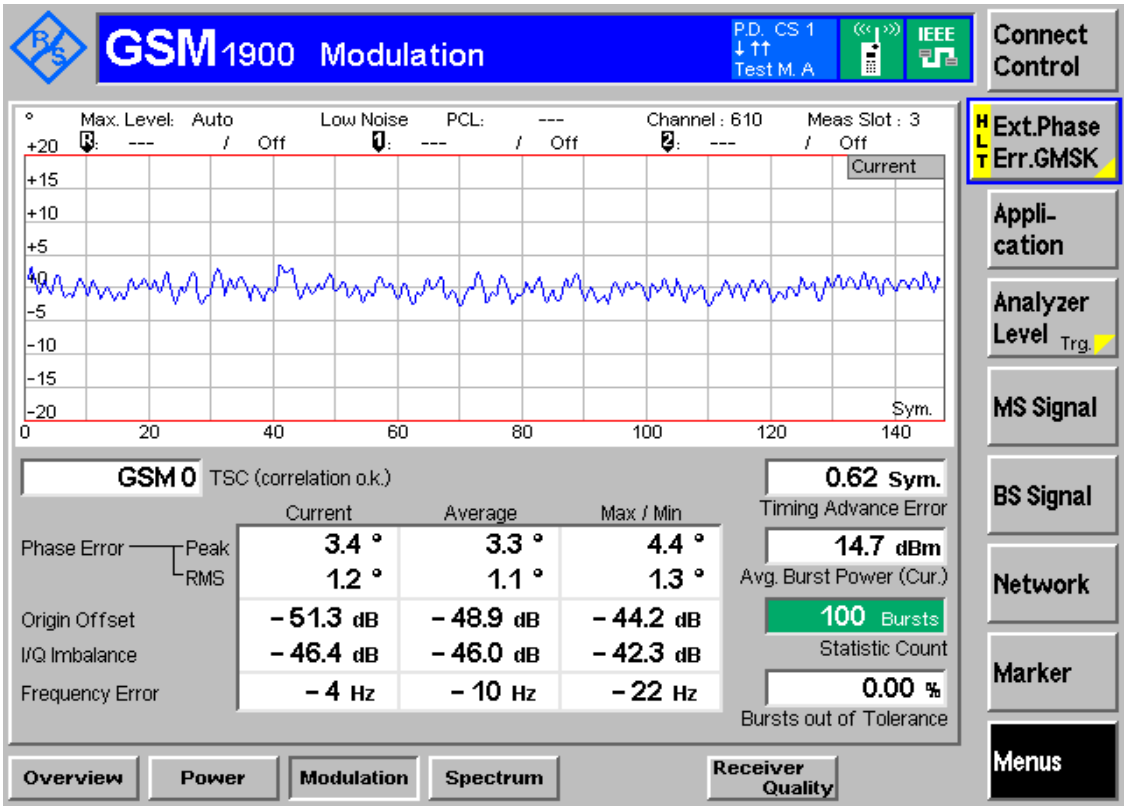
3.1.2 Test Band = GSM1900

3.1.2.1 Test Mode = GSM/TM1

3.1.2.1.1 Test Channel = MCH



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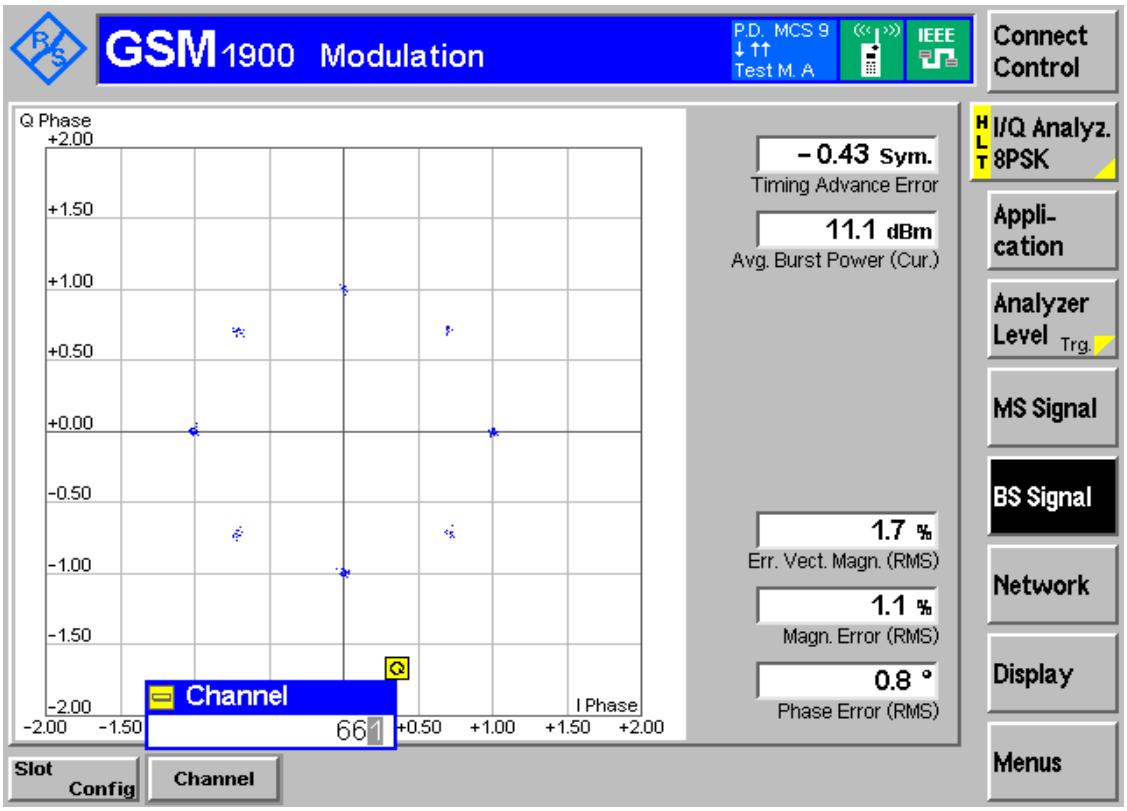
3.1.2.2 Test Mode = GSM/TM2

3.1.2.2.1 Test Channel = MCH



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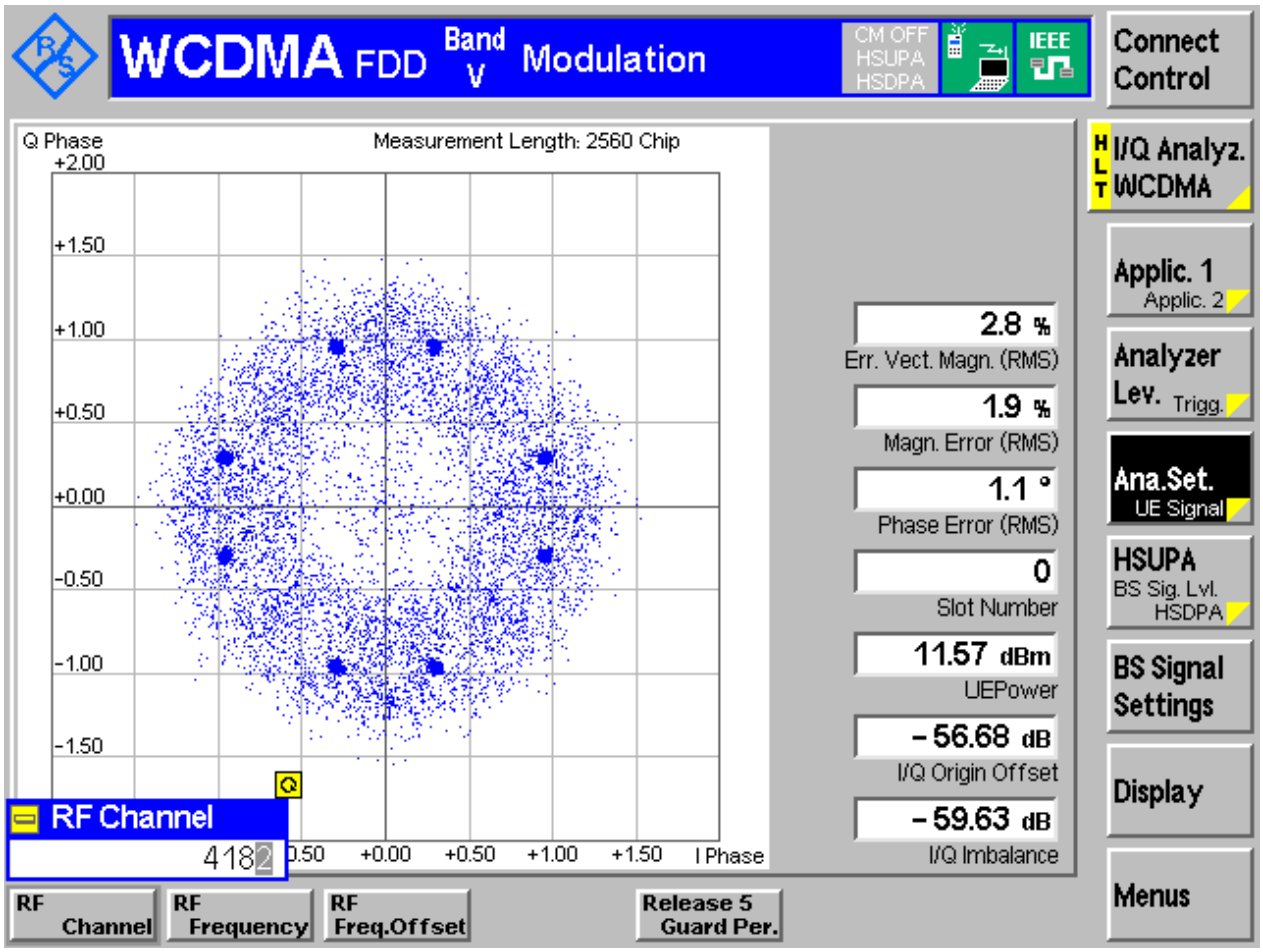
3.2 For UMTS

3.2.1 Test Band = WCDMA850

3.2.1.1 Test Mode = UMTS/TM1

3.2.1.1.1 Test Channel = MCH



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3.2.2 Test Band = WCDMA1900

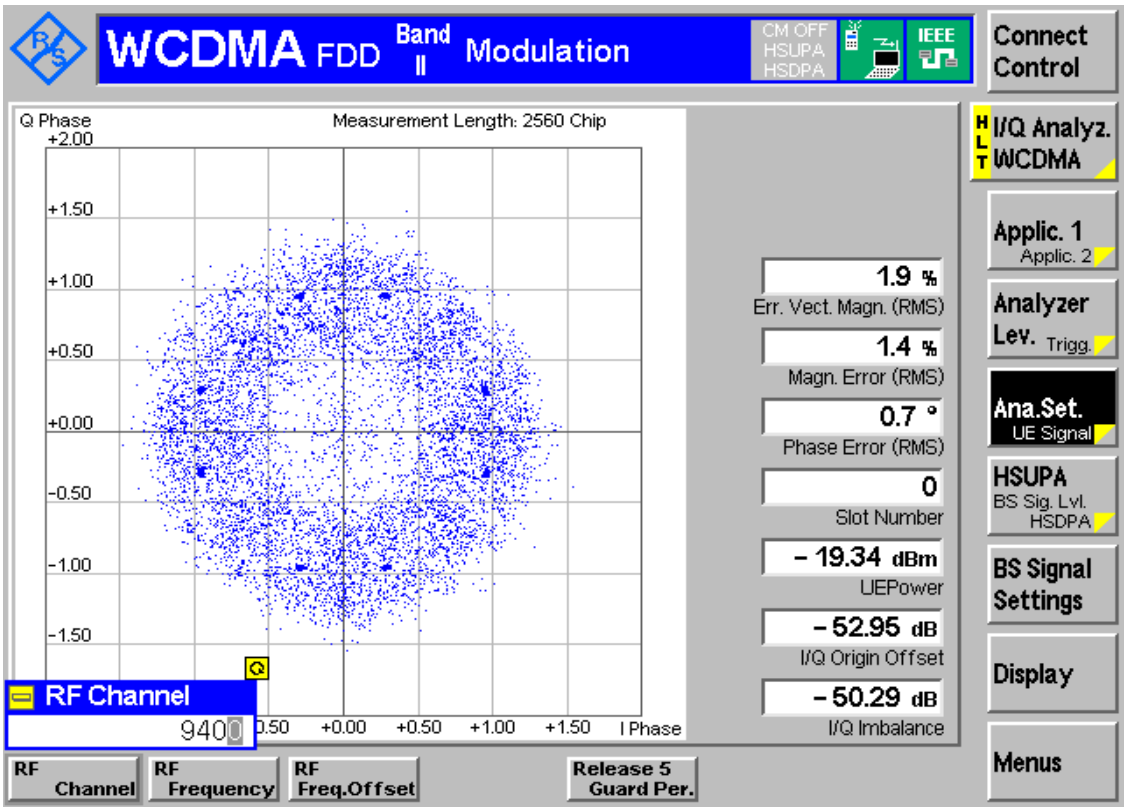
3.2.2.1 Test Mode = UMTS/TM1

3.2.2.1.1 Test Channel =

3.2.3 Test Band = WCDMA1900

3.2.3.1 Test Mode = UMTS/TM1

3.2.3.1.1 Test Channel = MCH



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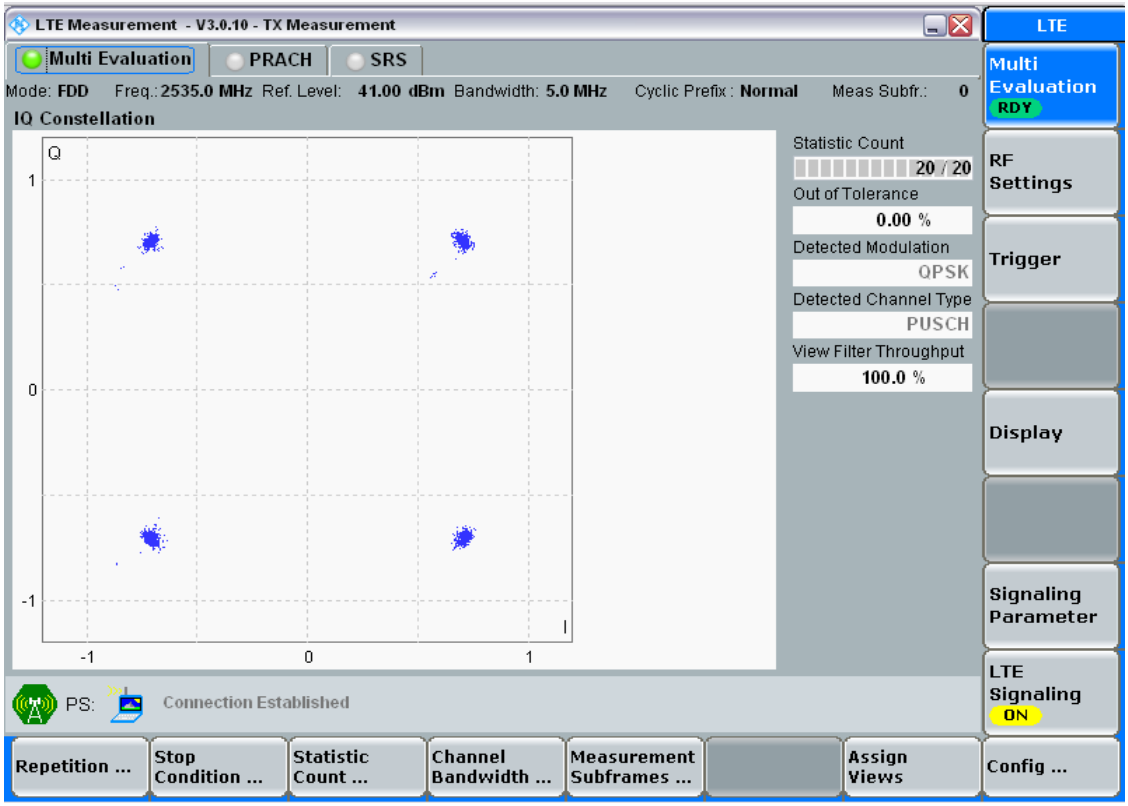
3.3 For LTE

3.3.1 Test Band = BAND7

3.3.1.1 Test Mode = LTE/TM1

3.3.1.1.1 Test Bandwidth = 5

3.3.1.1.1.1 Test Channel = MCH



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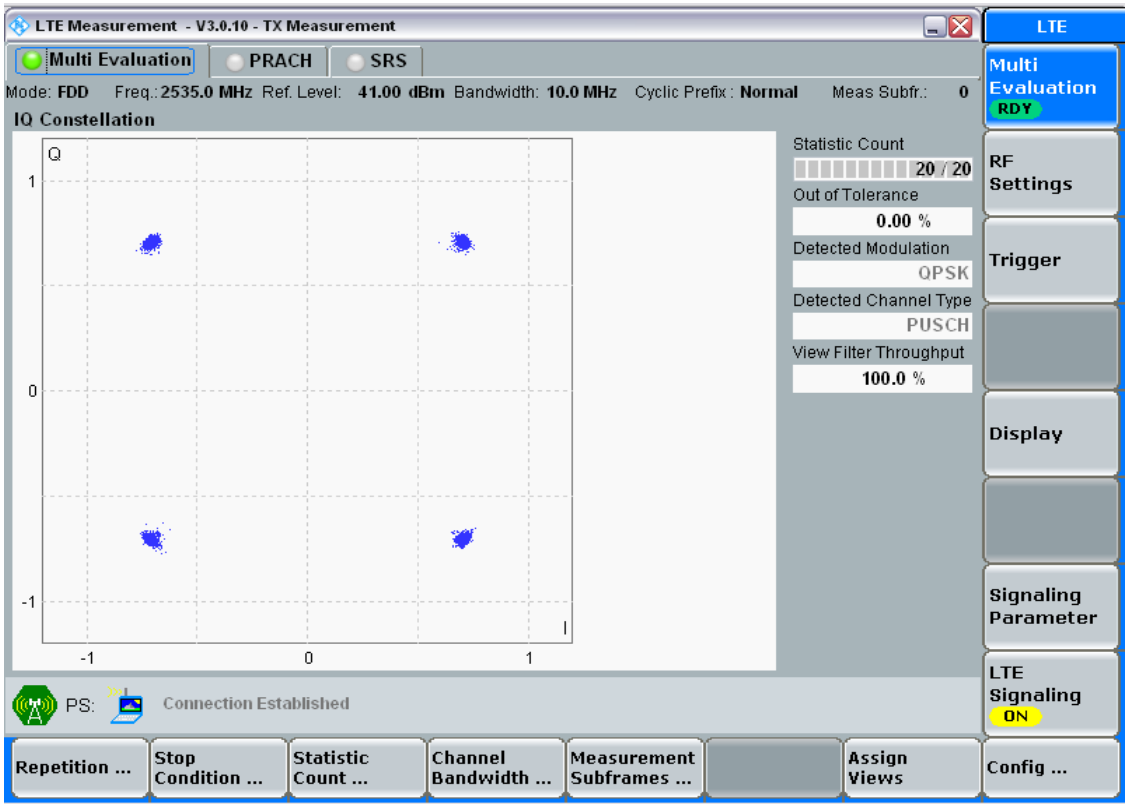
3.3.1.1.2 Test Bandwidth = 10

3.3.1.1.2.1 Test Channel = MCH

3.3.1.1.2.1.1 Test RB = RB50#0



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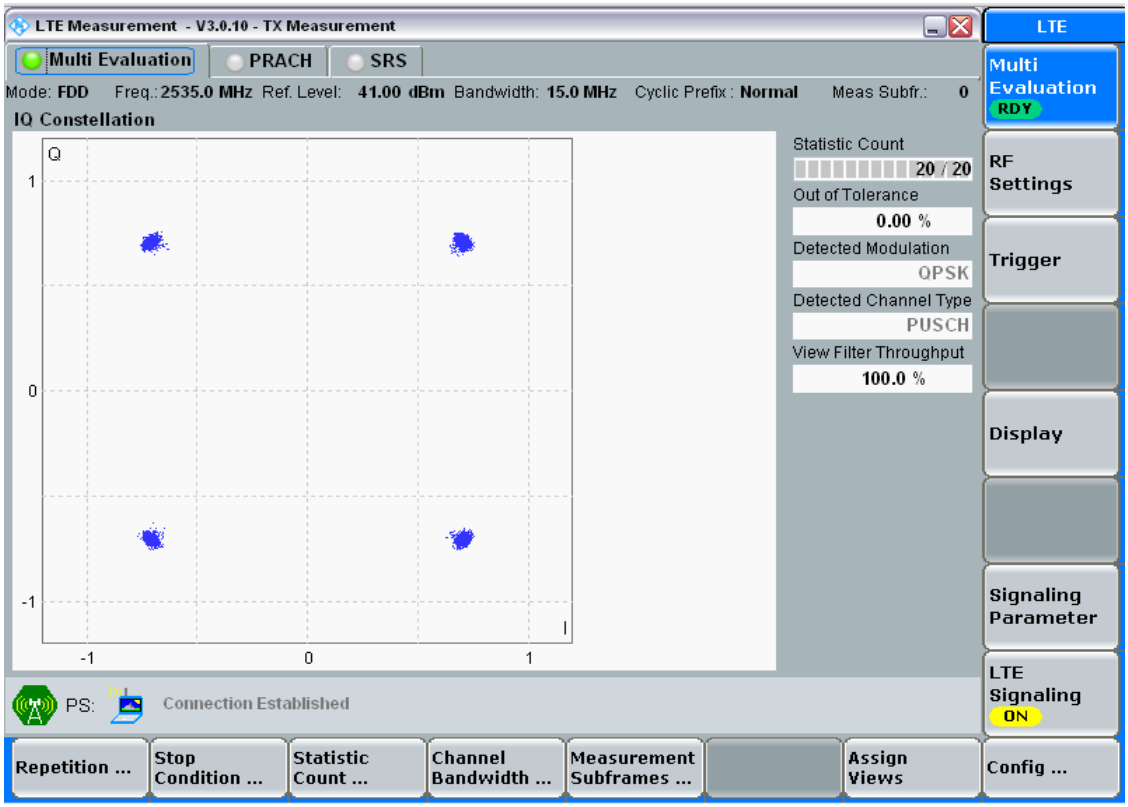
3.3.1.1.3 Test Bandwidth = 15

3.3.1.1.3.1 Test Channel = MCH

3.3.1.1.3.1.1 Test RB = RB75#0



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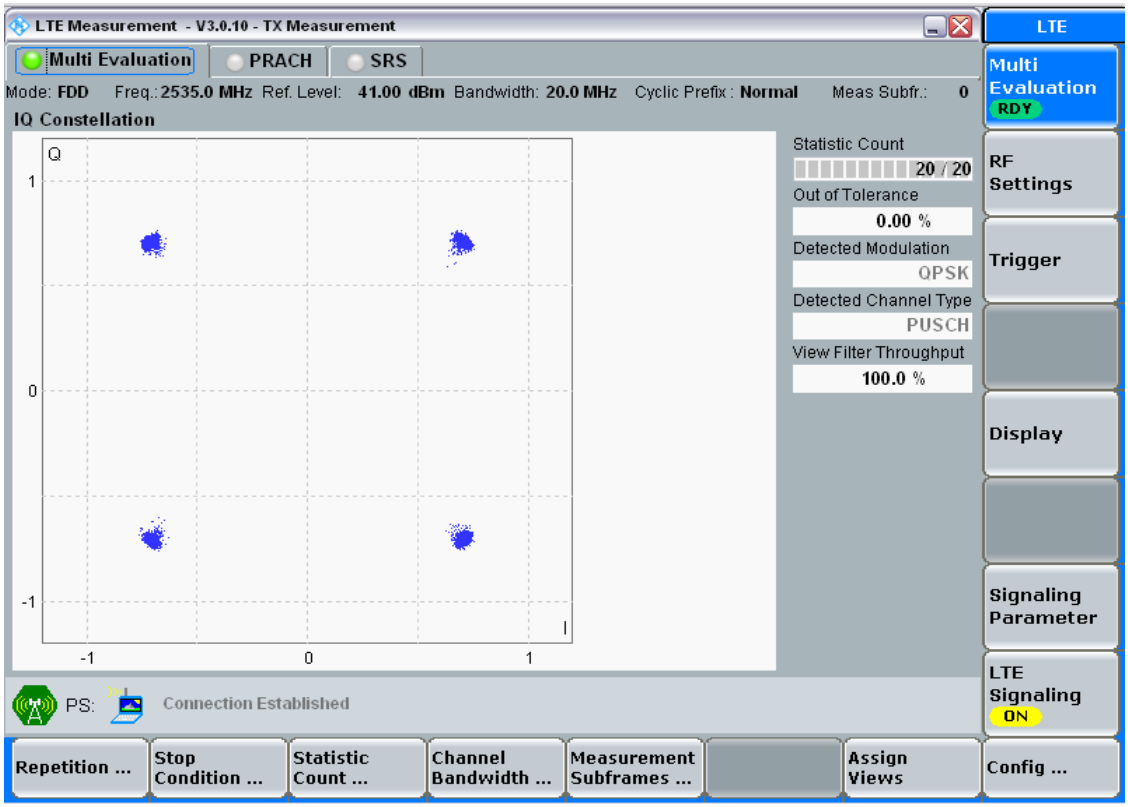
3.3.1.1.4 Test Bandwidth = 20

3.3.1.1.4.1 Test Channel = MCH

3.3.1.1.4.1.1 Test RB = RB100#0



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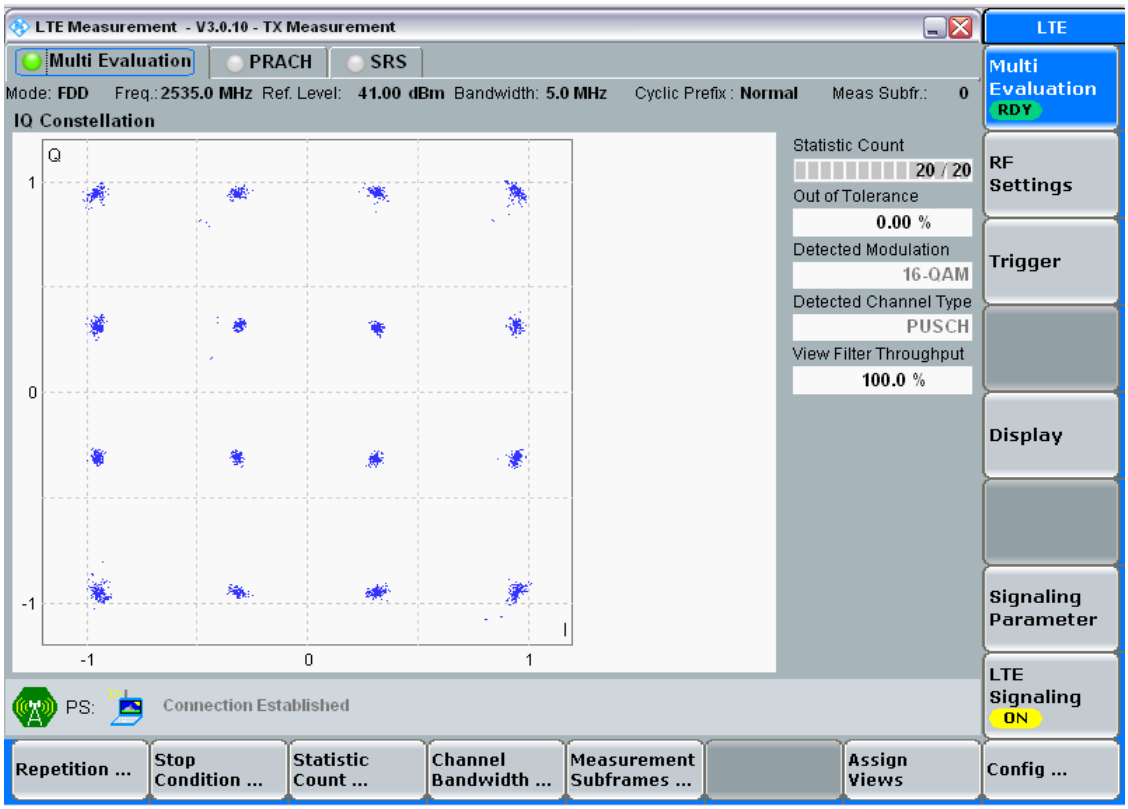
3.3.1.2 Test Mode = LTE/TM2

3.3.1.2.1 Test Bandwidth = 5

3.3.1.2.1.1 Test Channel = MCH

3.3.1.2.1.1.1 Test RB = RB25#0



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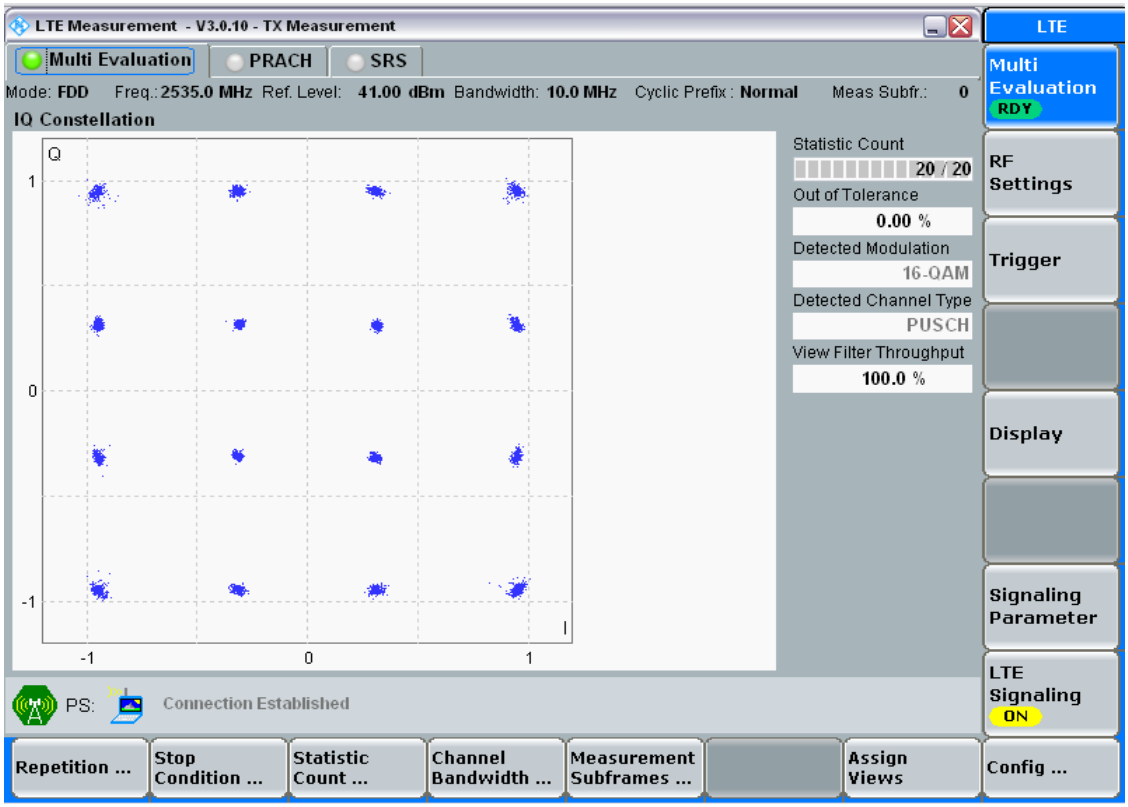
3.3.1.2.2 Test Bandwidth = 10

3.3.1.2.2.1 Test Channel = MCH

3.3.1.2.2.1.1 Test RB = RB50#0



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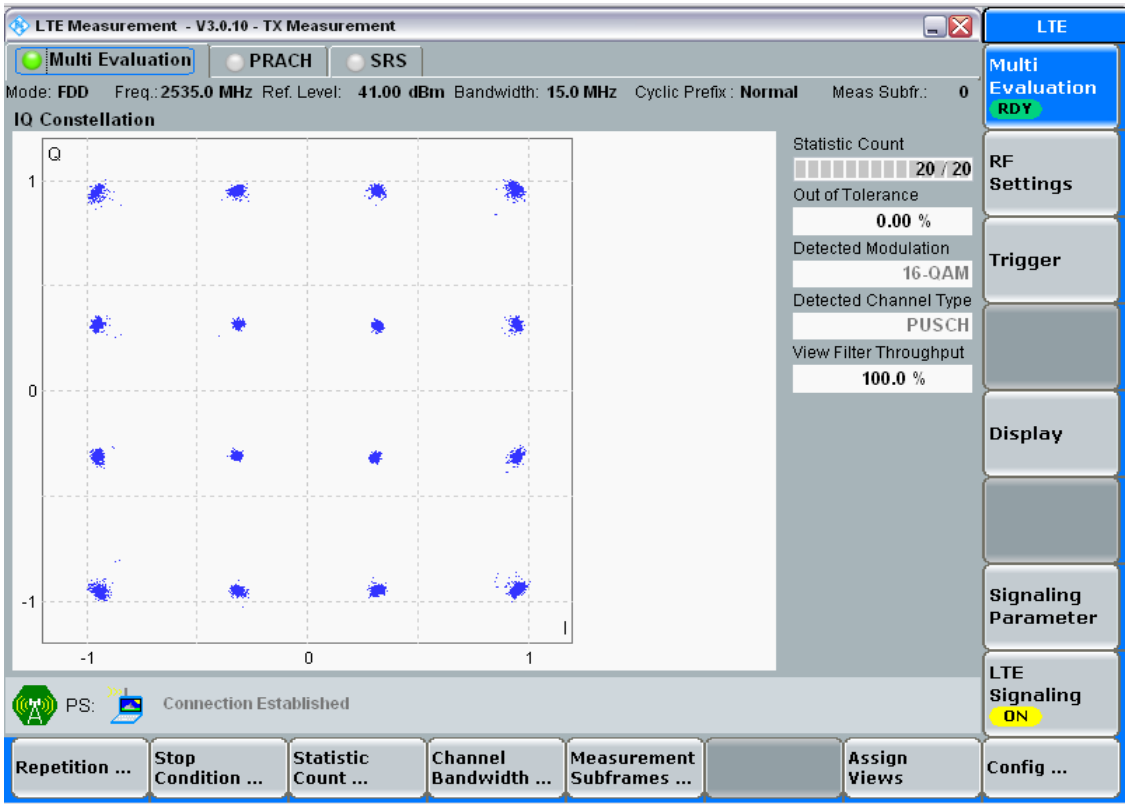
3.3.1.2.3 Test Bandwidth = 15

3.3.1.2.3.1 Test Channel = MCH

3.3.1.2.3.1.1 Test RB = RB75#0



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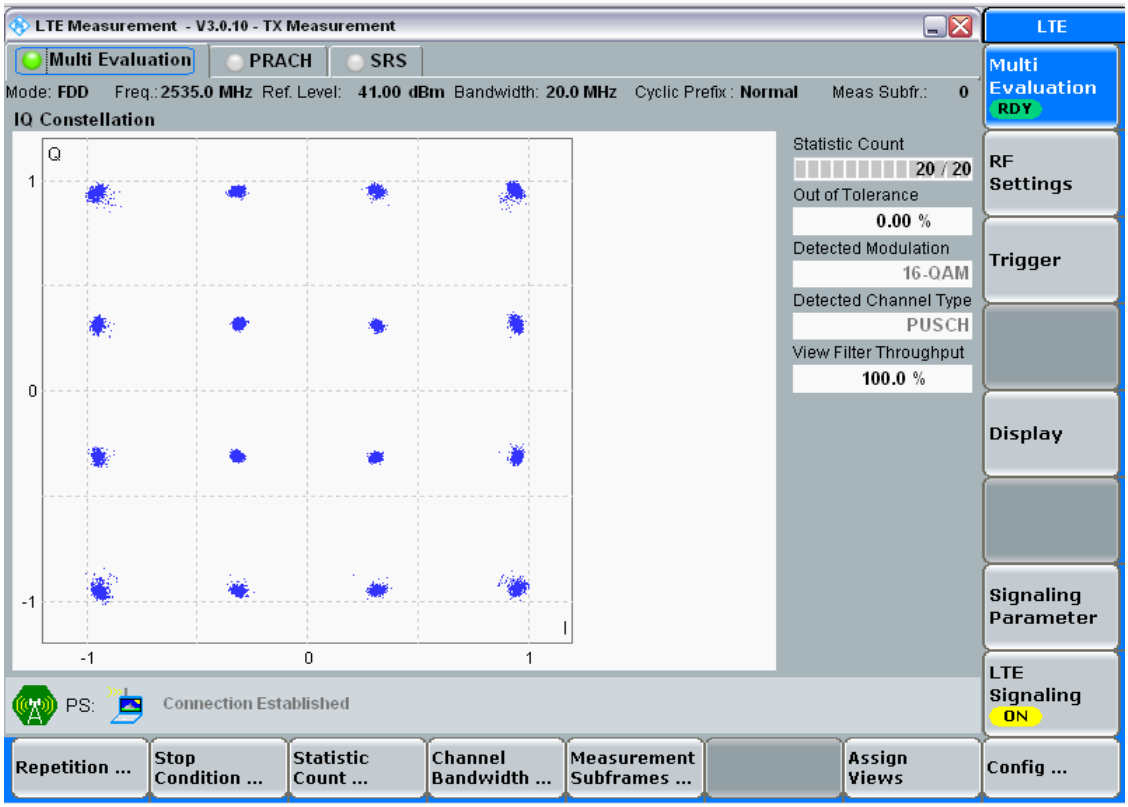
3.3.1.2.4 Test Bandwidth = 20

3.3.1.2.4.1 Test Channel = MCH

3.3.1.2.4.1.1 Test RB = RB100#0



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4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Channel	Occupied Bandwidth [kHz]	Emission Bandwidth [kHz]	Verdict
GSM850	GSM/TM1	LCH	241.90	316.88	Pass
		MCH	244.80	314.06	Pass
		HCH	244.64	319.38	Pass
	GSM/TM2	LCH	249.01	316.57	Pass
		MCH	251.27	318.46	Pass
		HCH	252.02	328.07	Pass
GSM1900	GSM/TM1	LCH	244.92	313.50	Pass
		MCH	244.85	316.42	Pass
		HCH	244.37	310.08	Pass
	GSM/TM2	LCH	247.79	318.70	Pass
		MCH	247.53	314.62	Pass
		HCH	250.85	315.87	Pass

Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
WCDMA850	UMTS/TM1	LCH	4.15	4.71	Pass
		MCH	4.16	4.72	Pass
		HCH	4.15	4.73	Pass
WCDMA1900	UMTS/TM1	LCH	4.17	4.72	Pass
		MCH	4.16	4.73	Pass
		HCH	4.16	4.73	Pass

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Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND7	LTE/TM1	5	LCH	RB25#0	4.50	4.86	Pass
			MCH	RB25#0	4.49	4.82	Pass
			HCH	RB25#0	4.50	4.86	Pass
		10	LCH	RB50#0	8.99	9.62	Pass
			MCH	RB50#0	9.00	9.65	Pass
			HCH	RB50#0	8.99	9.63	Pass
		15	LCH	RB75#0	13.48	14.43	Pass
			MCH	RB75#0	13.50	14.41	Pass
			HCH	RB75#0	13.48	14.39	Pass
		20	LCH	RB100#0	17.96	19.12	Pass
			MCH	RB100#0	17.97	19.12	Pass
			HCH	RB100#0	17.97	19.03	Pass
	LTE/TM2	5	LCH	RB25#0	4.50	4.84	Pass
			MCH	RB25#0	4.49	4.86	Pass
			HCH	RB25#0	4.49	4.87	Pass
		10	LCH	RB50#0	9.00	9.63	Pass
			MCH	RB50#0	8.99	9.71	Pass
			HCH	RB50#0	9.01	9.63	Pass
		15	LCH	RB75#0	13.47	14.37	Pass
			MCH	RB75#0	13.48	14.39	Pass
			HCH	RB75#0	13.49	14.45	Pass
		20	LCH	RB100#0	17.97	19.11	Pass
			MCH	RB100#0	17.98	19.09	Pass
			HCH	RB100#0	17.97	19.12	Pass

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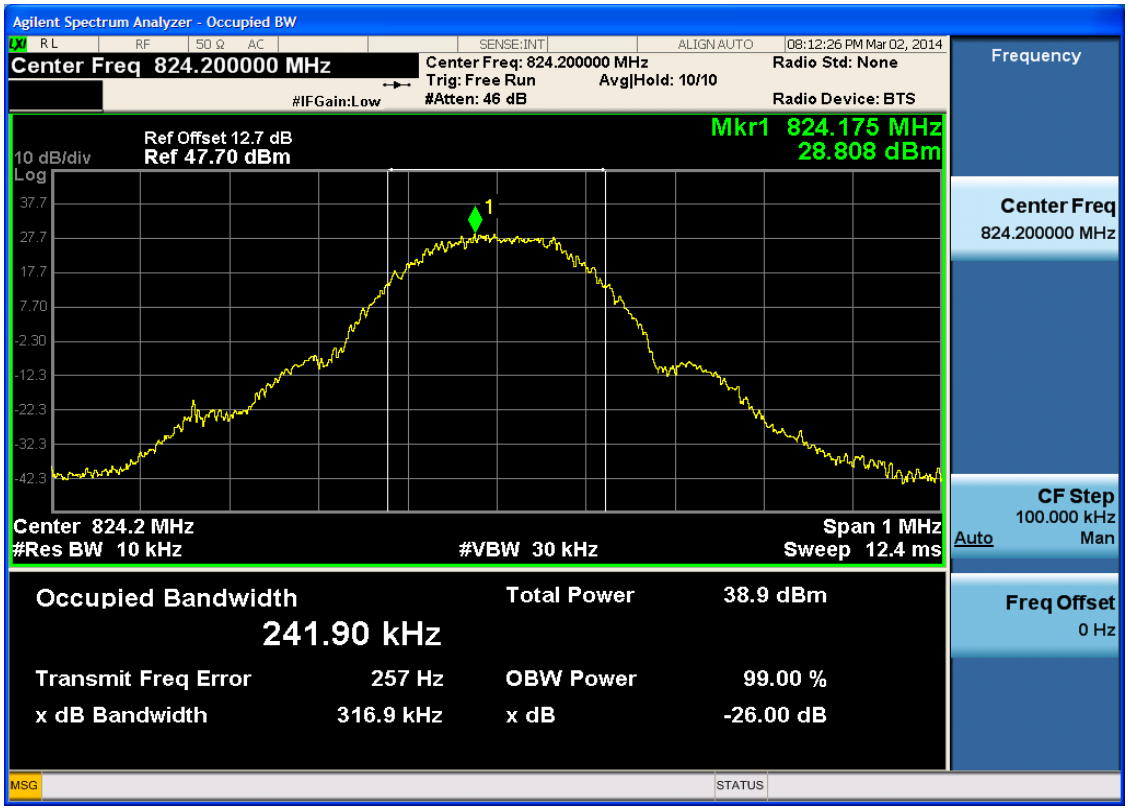
Part II - Test Plots

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



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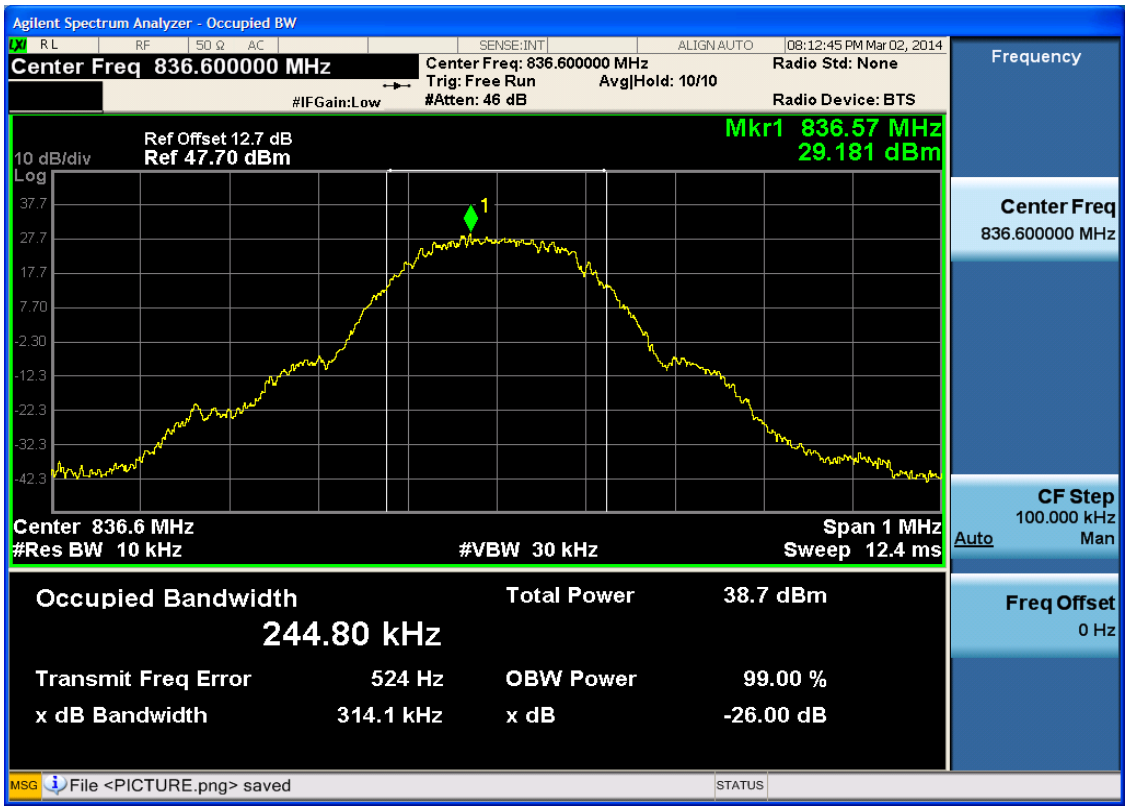
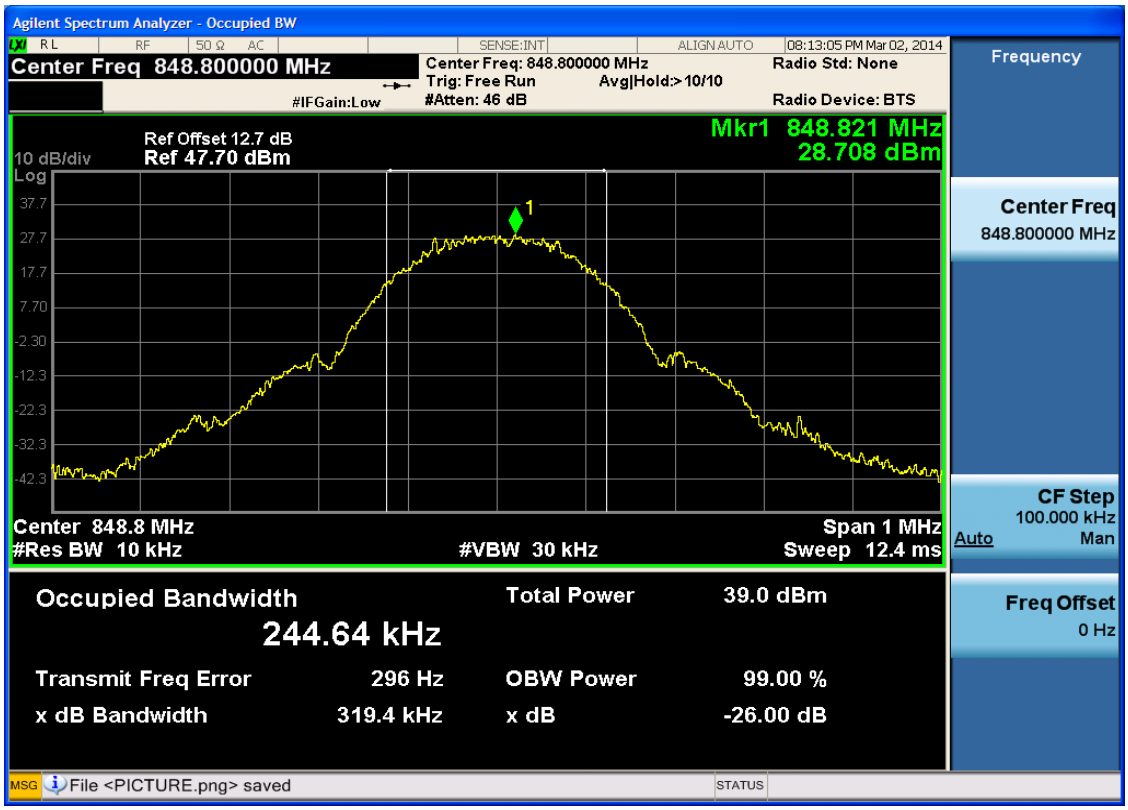
4.1.1.1.2 Test Channel = MCH

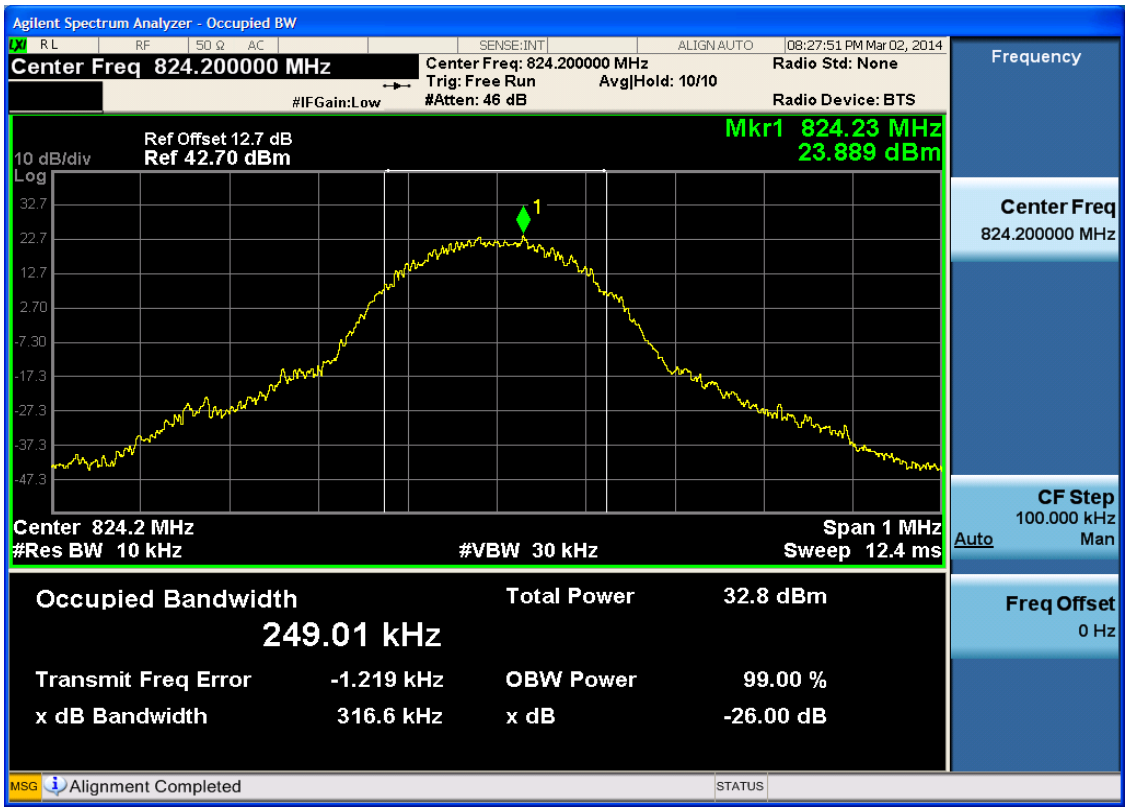


4.1.1.1.3 Test Channel = HCH



4.1.1.2 Test Mode = GSM/TM2

4.1.1.2.1 Test Channel = LCH



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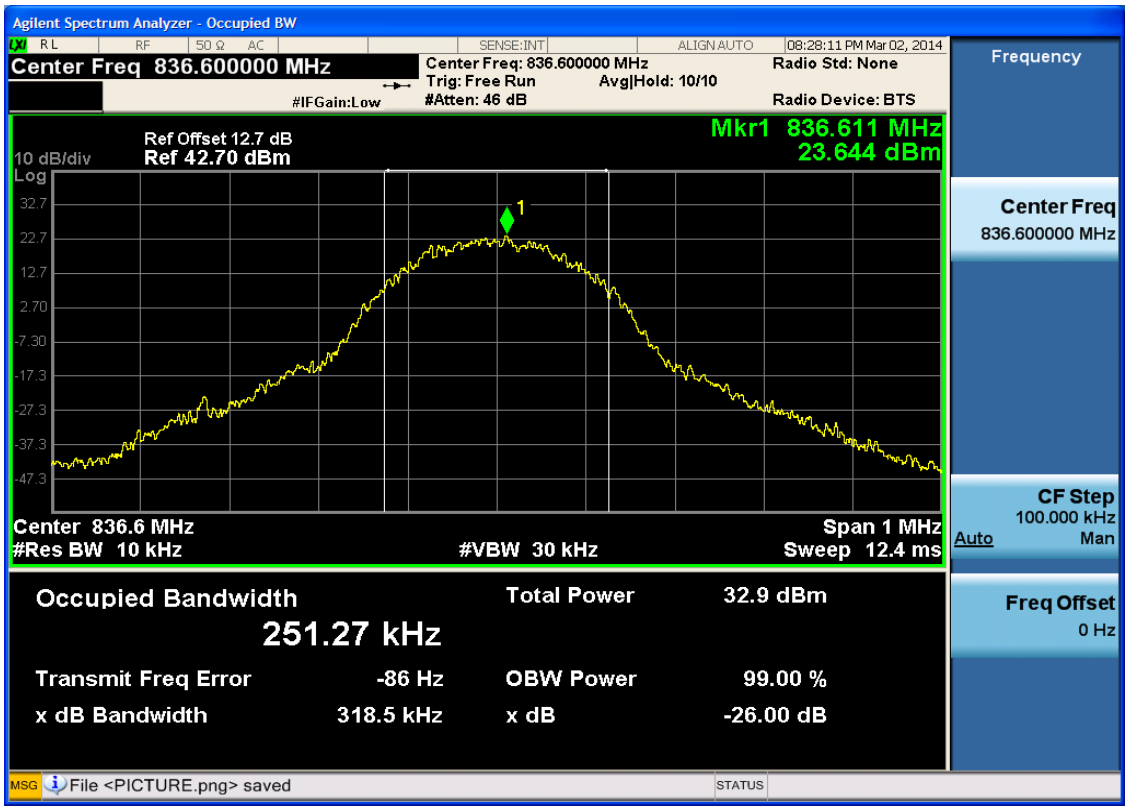
4.1.1.2.2 Test Channel = MCH



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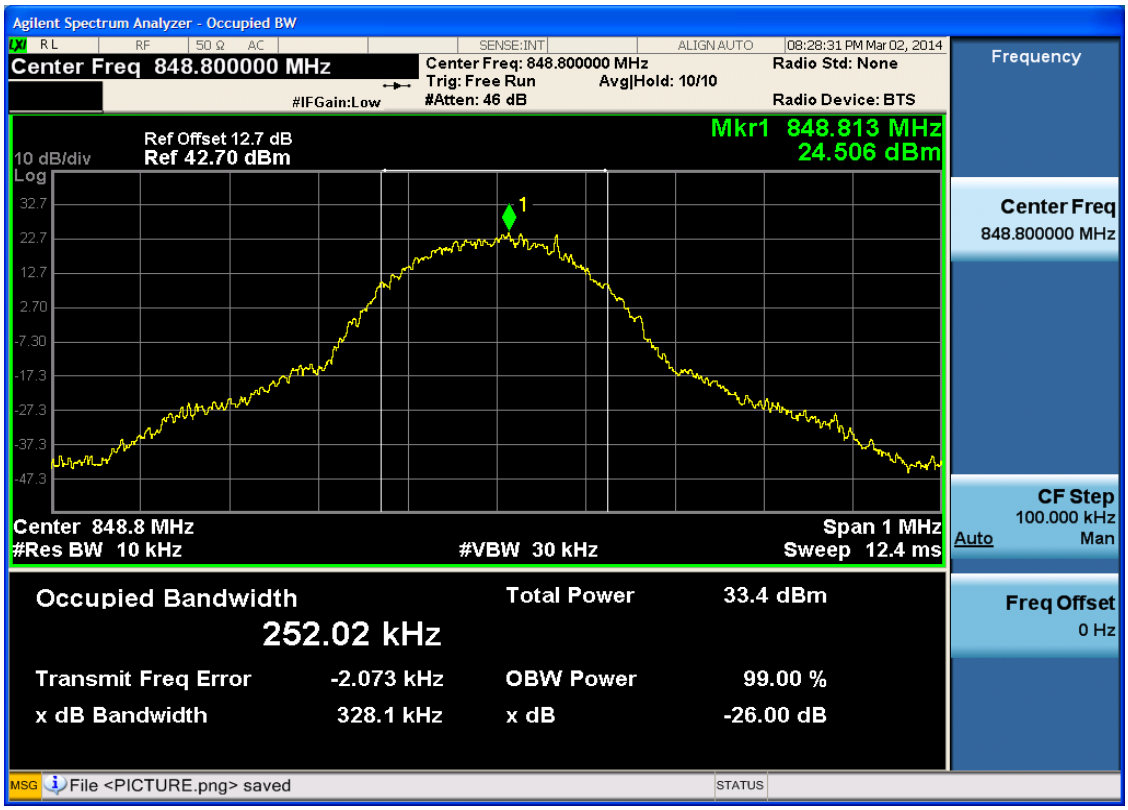
4.1.1.2.3 Test Channel = HCH



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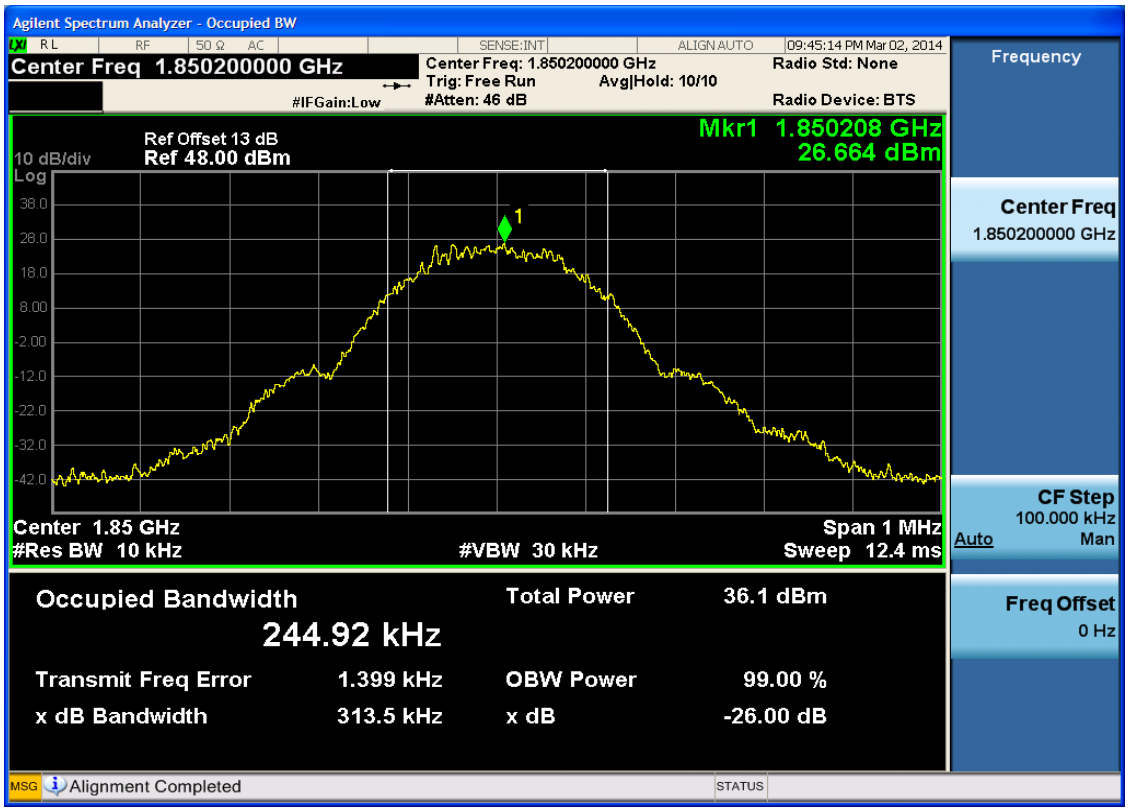
4.1.2 Test Band = GSM1900

4.1.2.1 Test Mode = GSM/TM1

4.1.2.1.1 Test Channel = LCH



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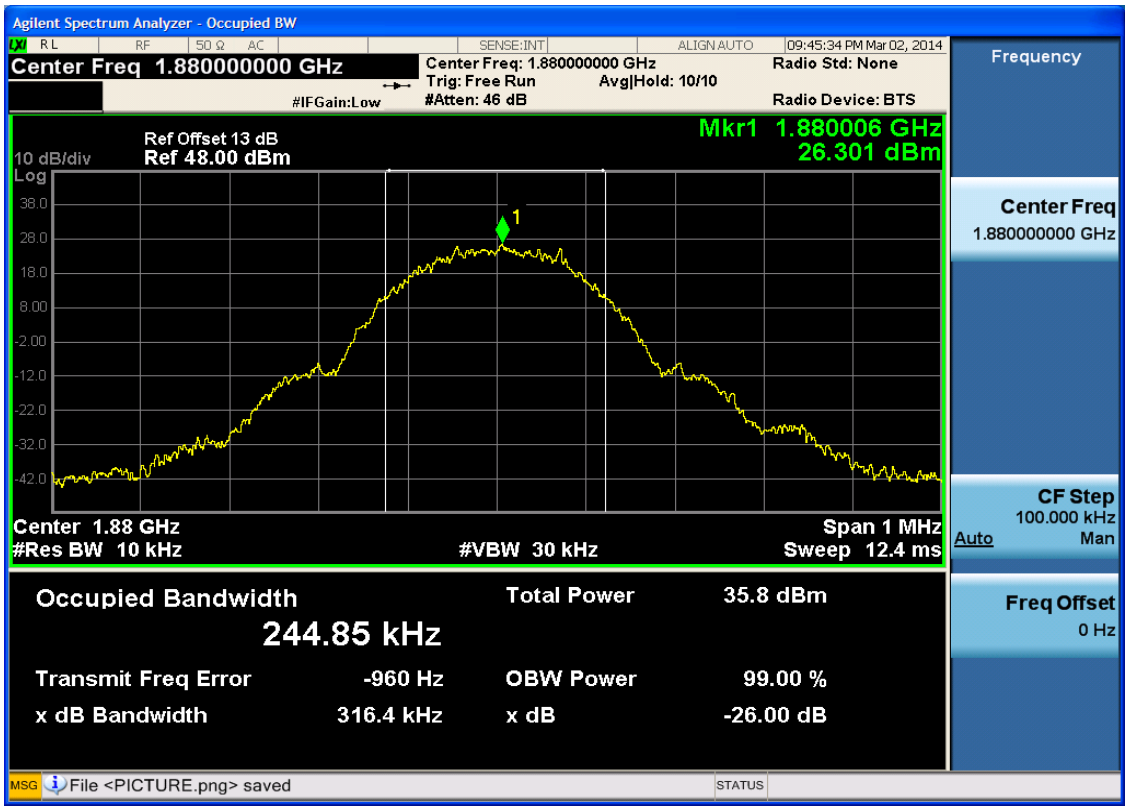
4.1.2.1.2 Test Channel = MCH



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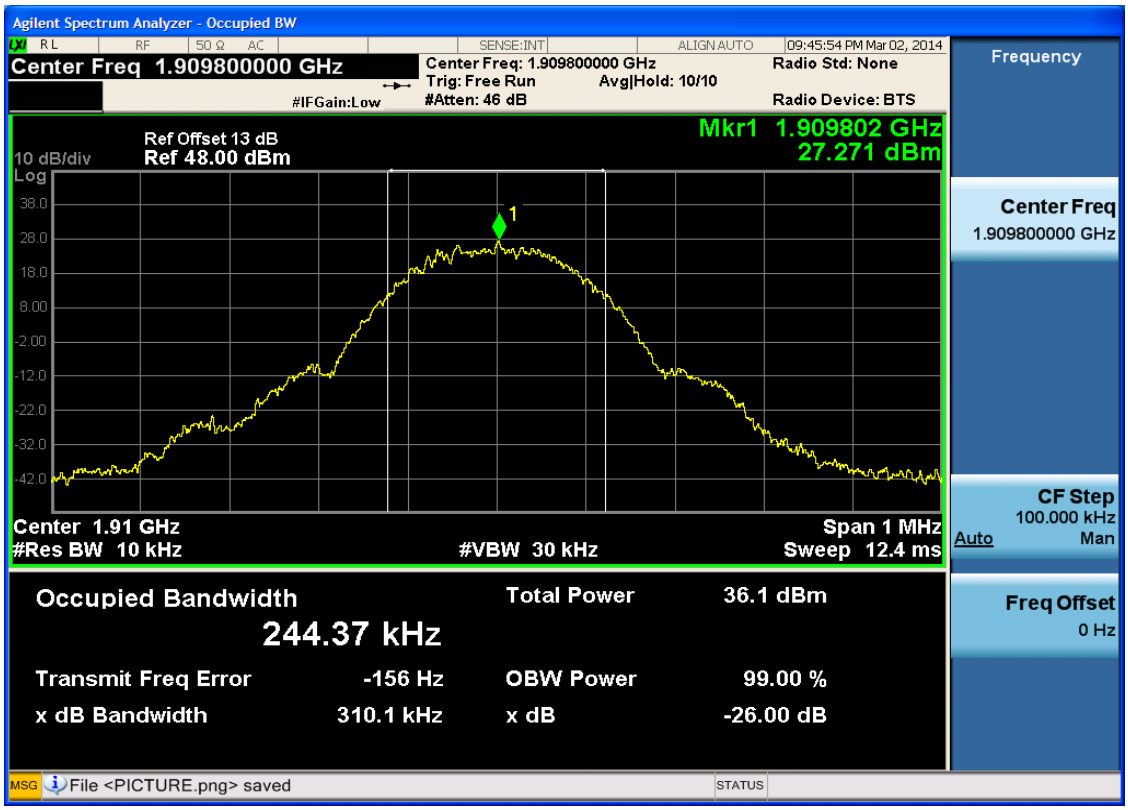
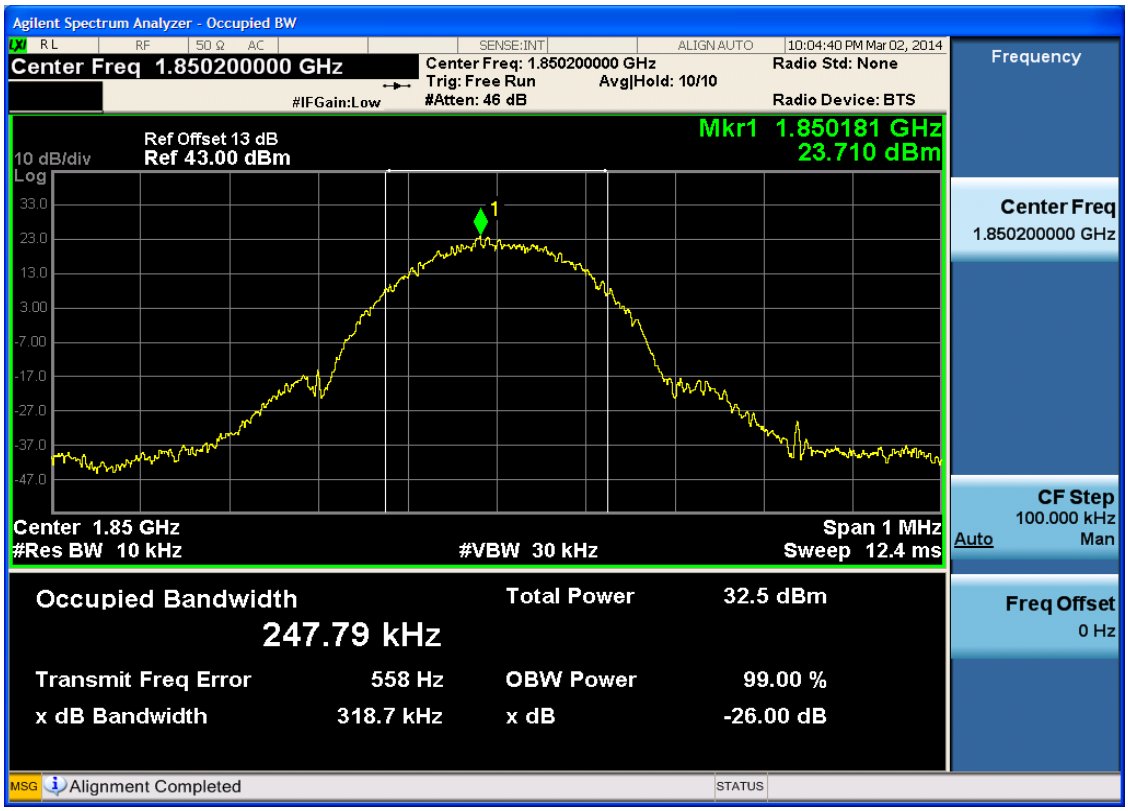
4.1.2.1.3 Test Channel = HCH



4.1.2.2 Test Mode = GSM/TM2

4.1.2.2.1 Test Channel = LCH



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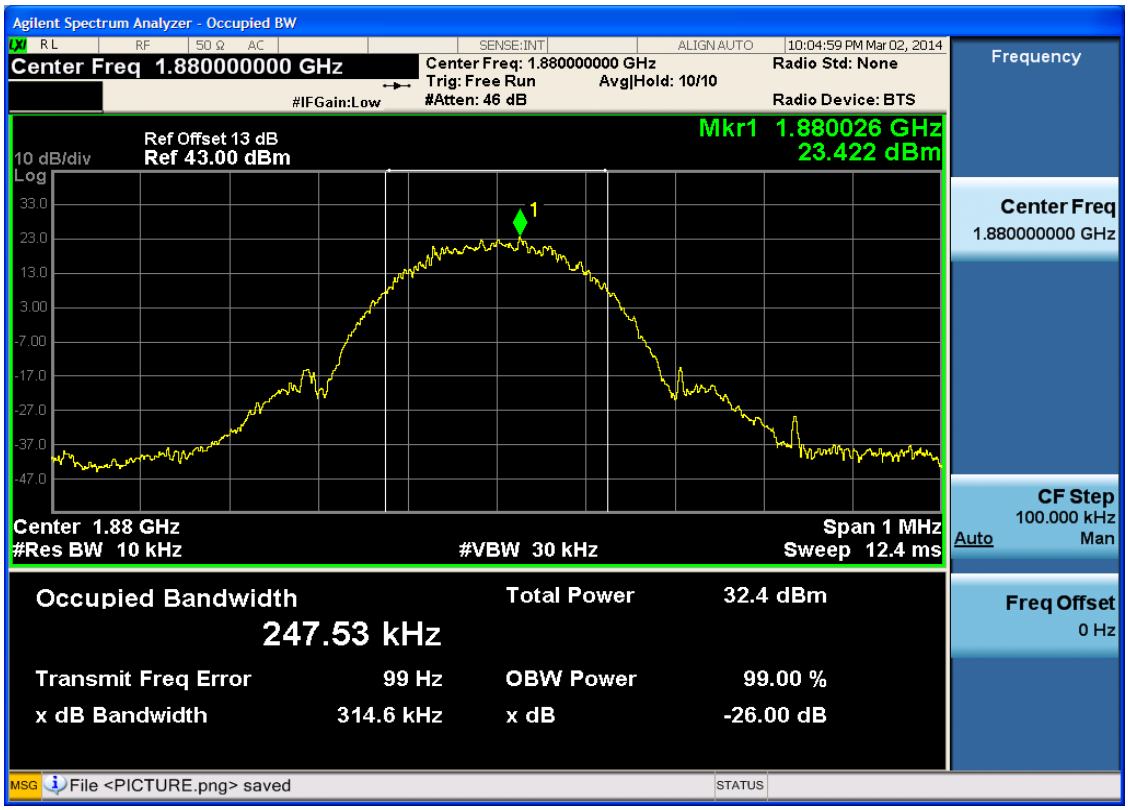
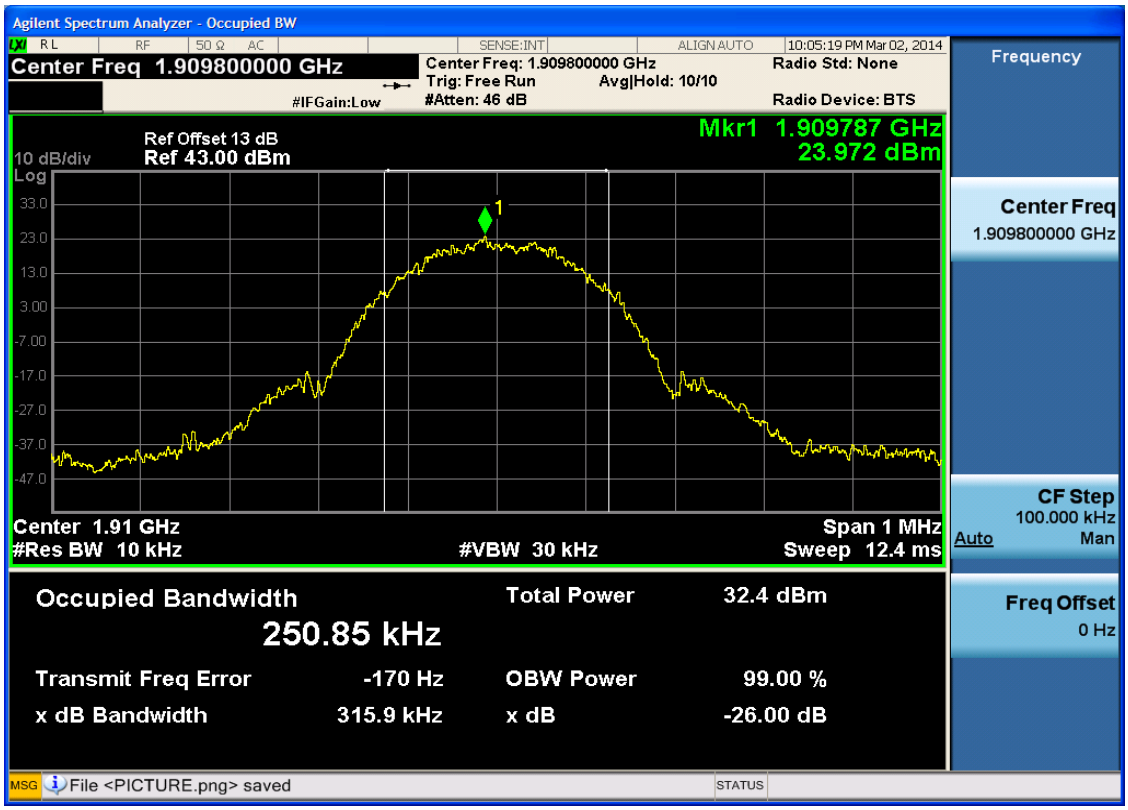
4.1.2.2.2 Test Channel = MCH



4.1.2.2.3 Test Channel = HCH



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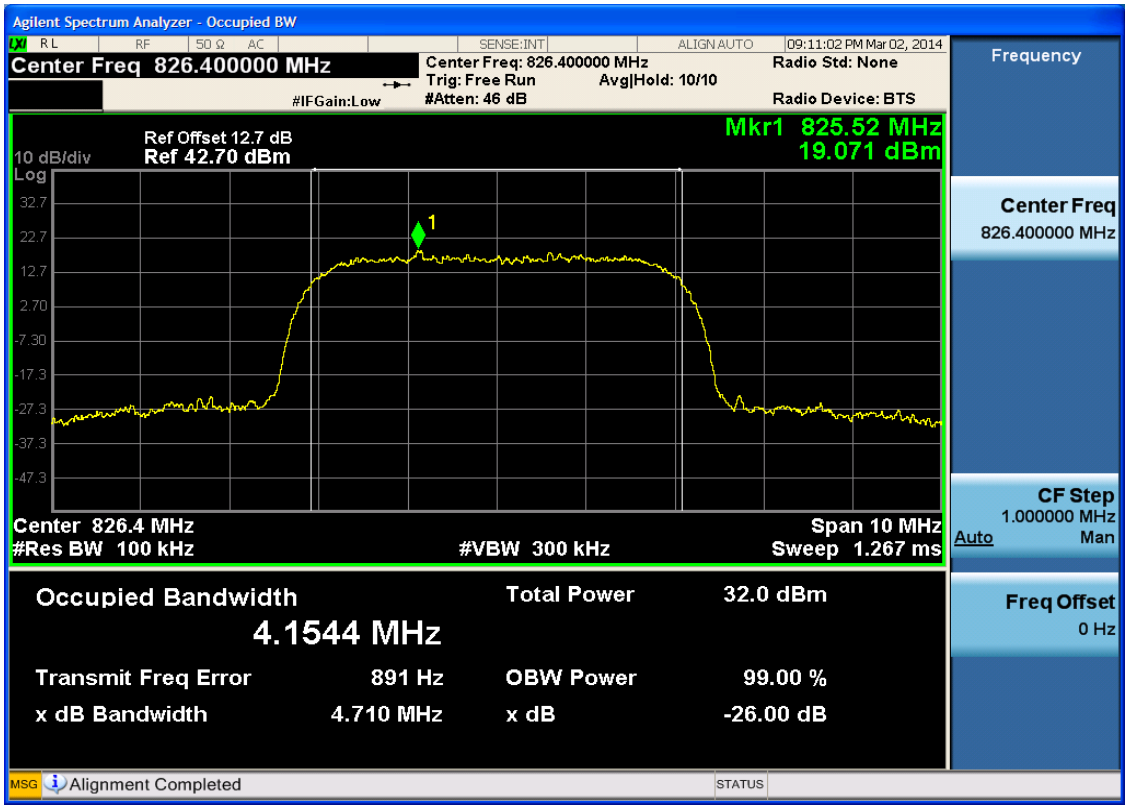
4.2 For UMTS

4.2.1 Test Band = WCDMA850

4.2.1.1 Test Mode = UMTS/TM1

4.2.1.1.1 Test Channel = LCH



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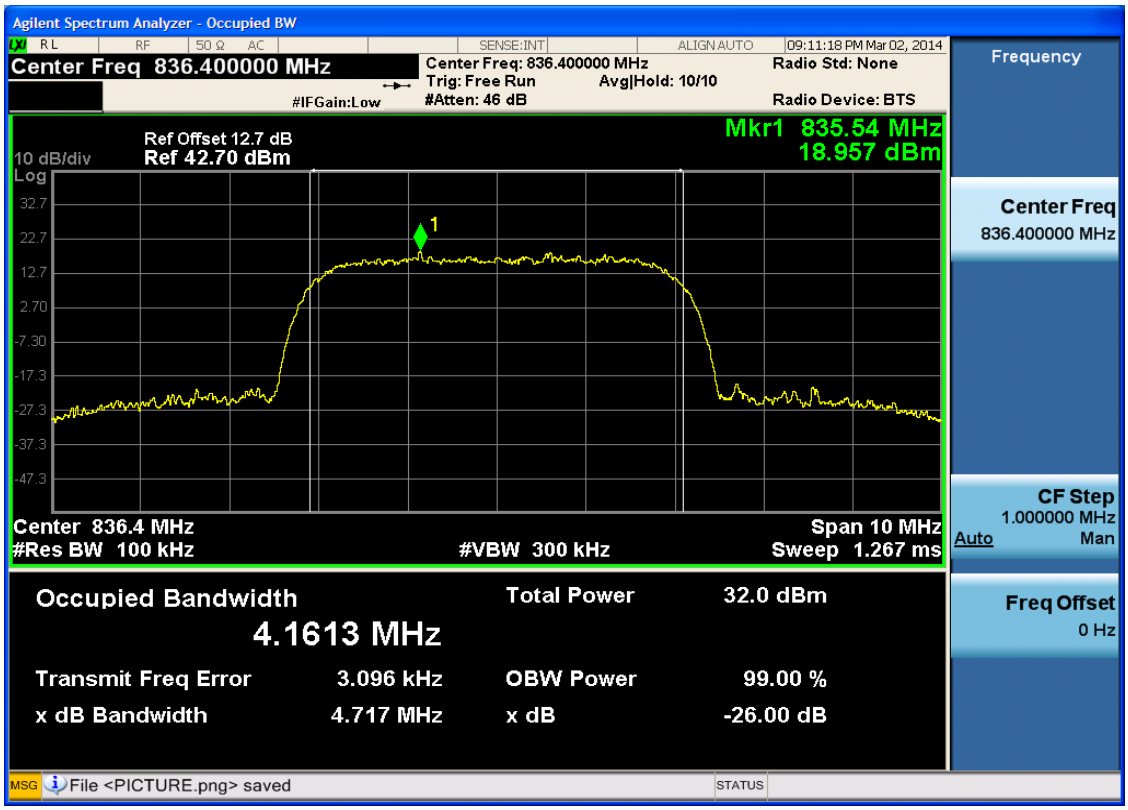
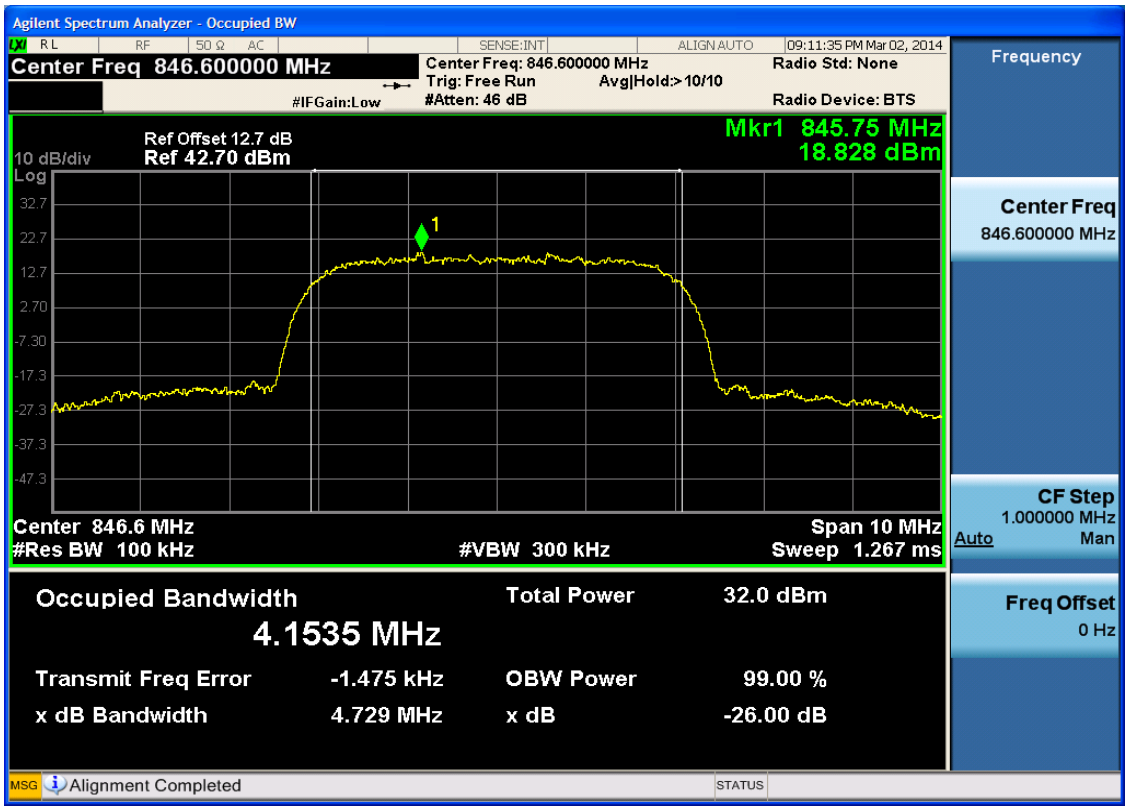
4.2.1.1.2 Test Channel = MCH



4.2.1.1.3 Test Channel = HCH



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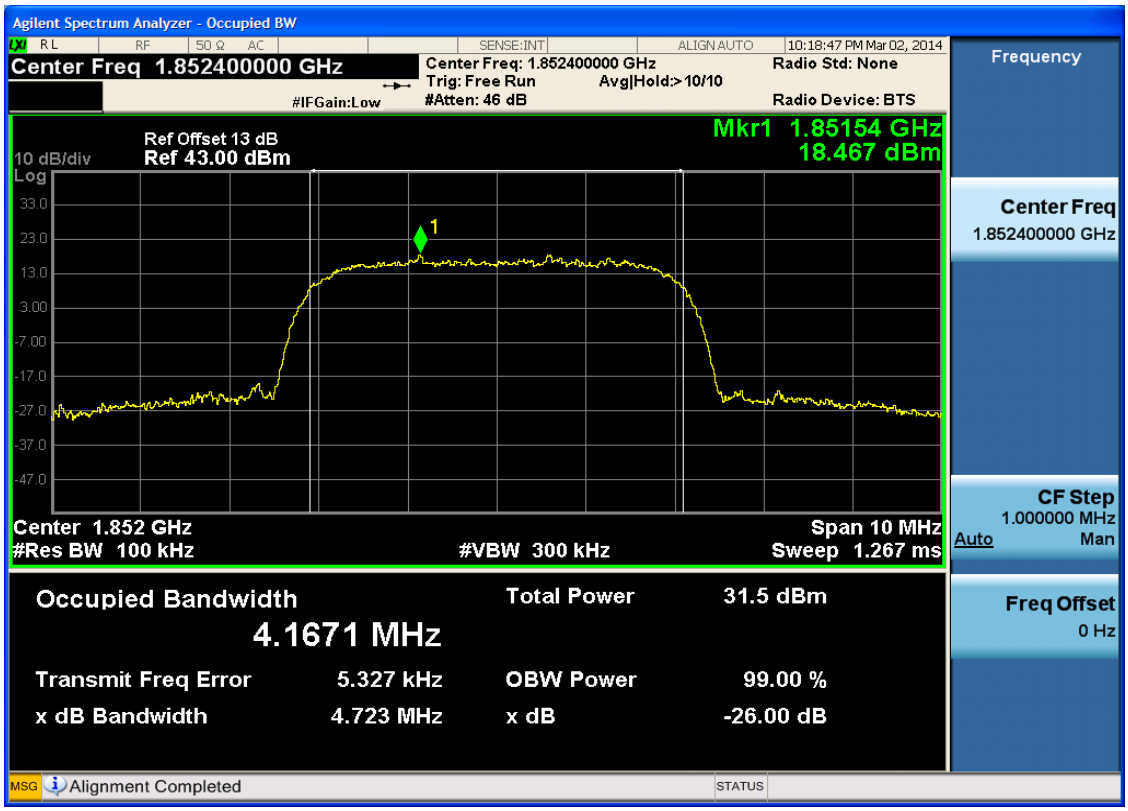
4.2.2 Test Band = WCDMA1900

4.2.2.1 Test Mode = UMTS/TM1

4.2.2.1.1 Test Channel = LCH



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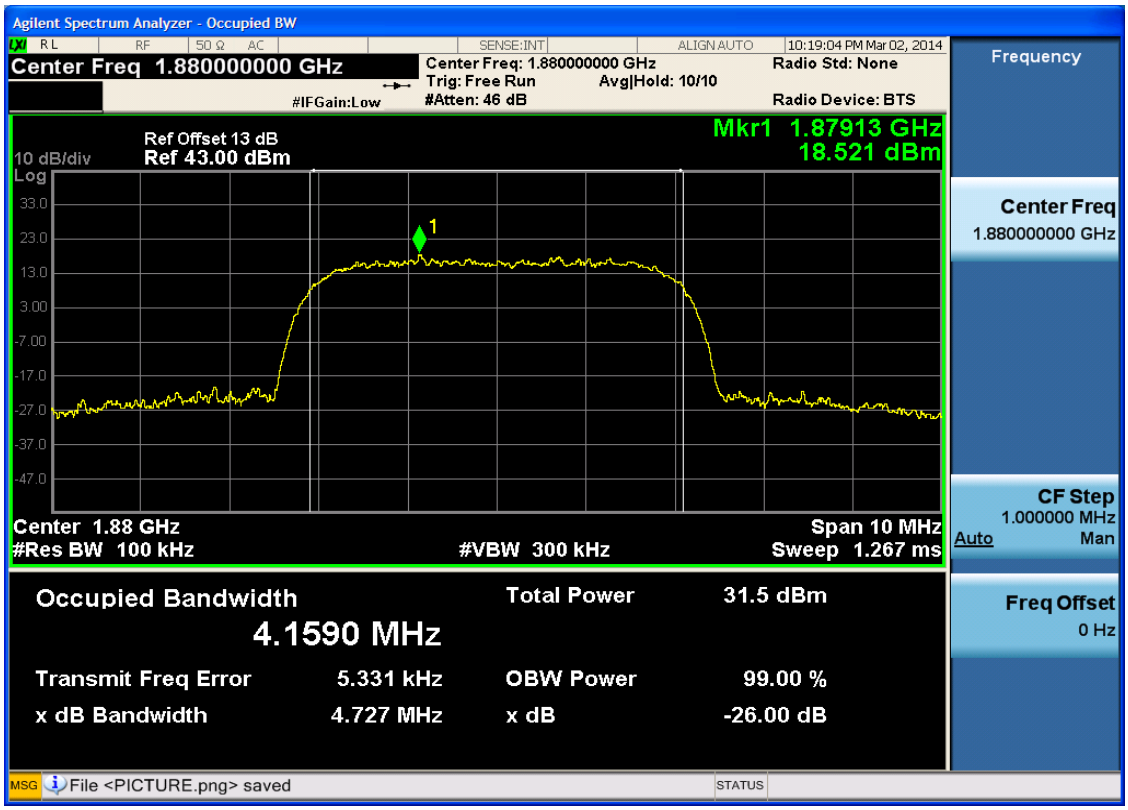
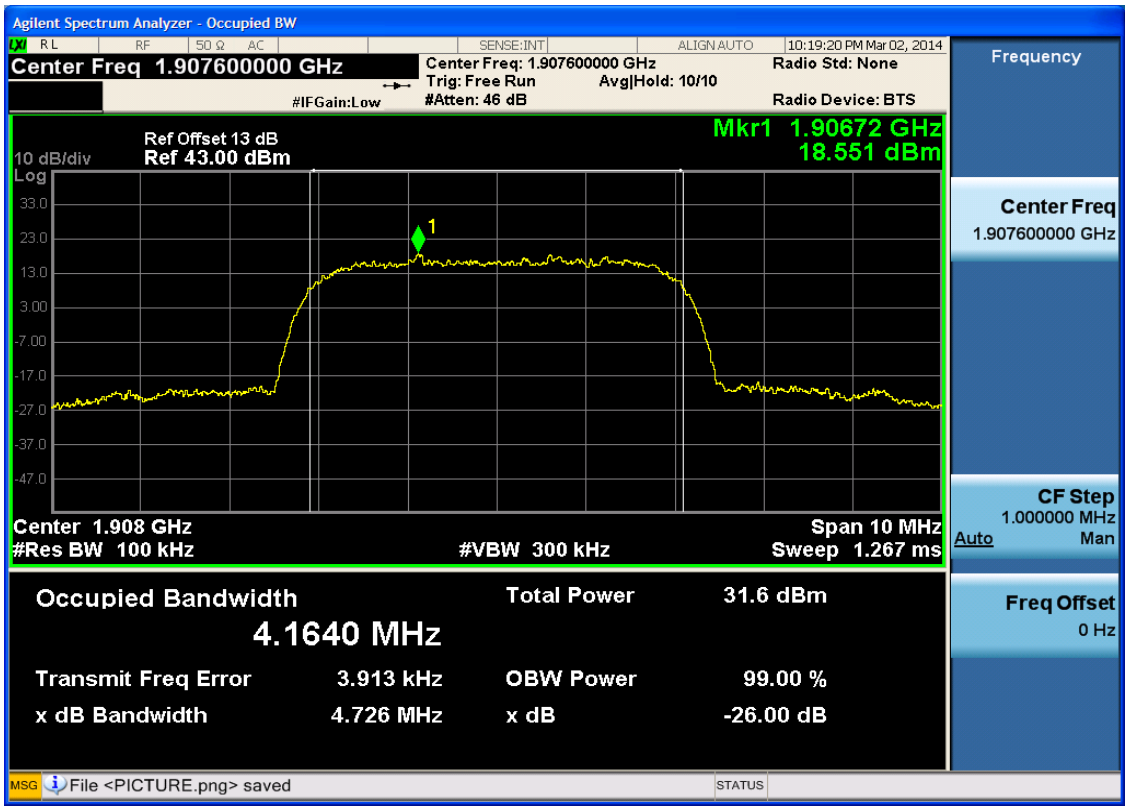
4.2.2.1.2 Test Channel = MCH



4.2.2.1.3 Test Channel = HCH



4.3 For LTE

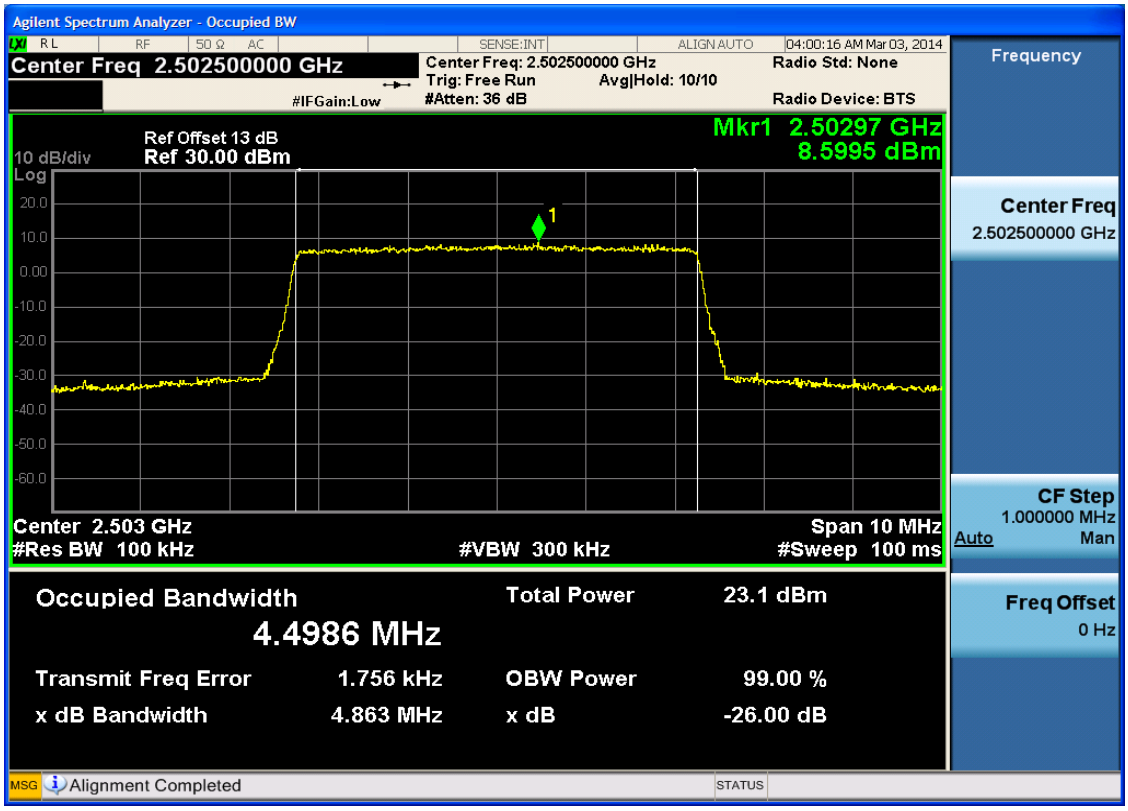
4.3.1 Test Band = BAND7

4.3.1.1 Test Mode = LTE/TM1

4.3.1.1.1 Test Bandwidth = 5

4.3.1.1.1.1 Test Channel = LCH

####### 4.3.1.1.1.1.1 Test RB = RB25#0



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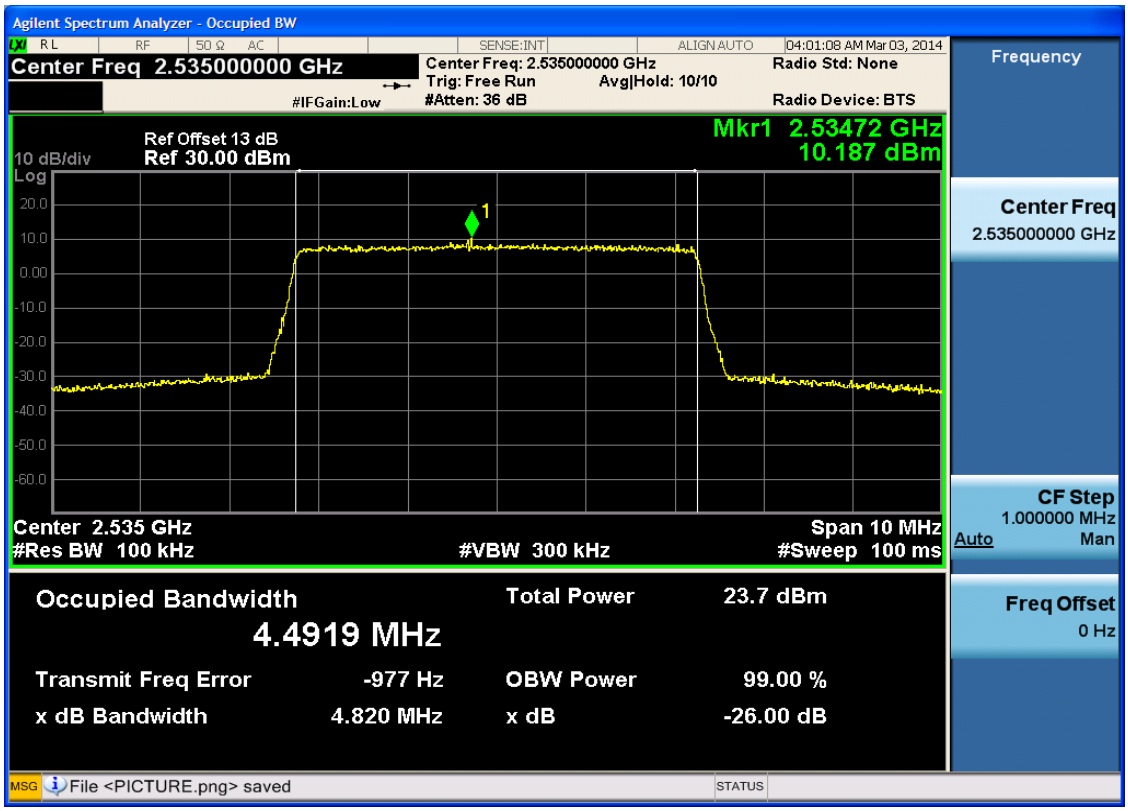
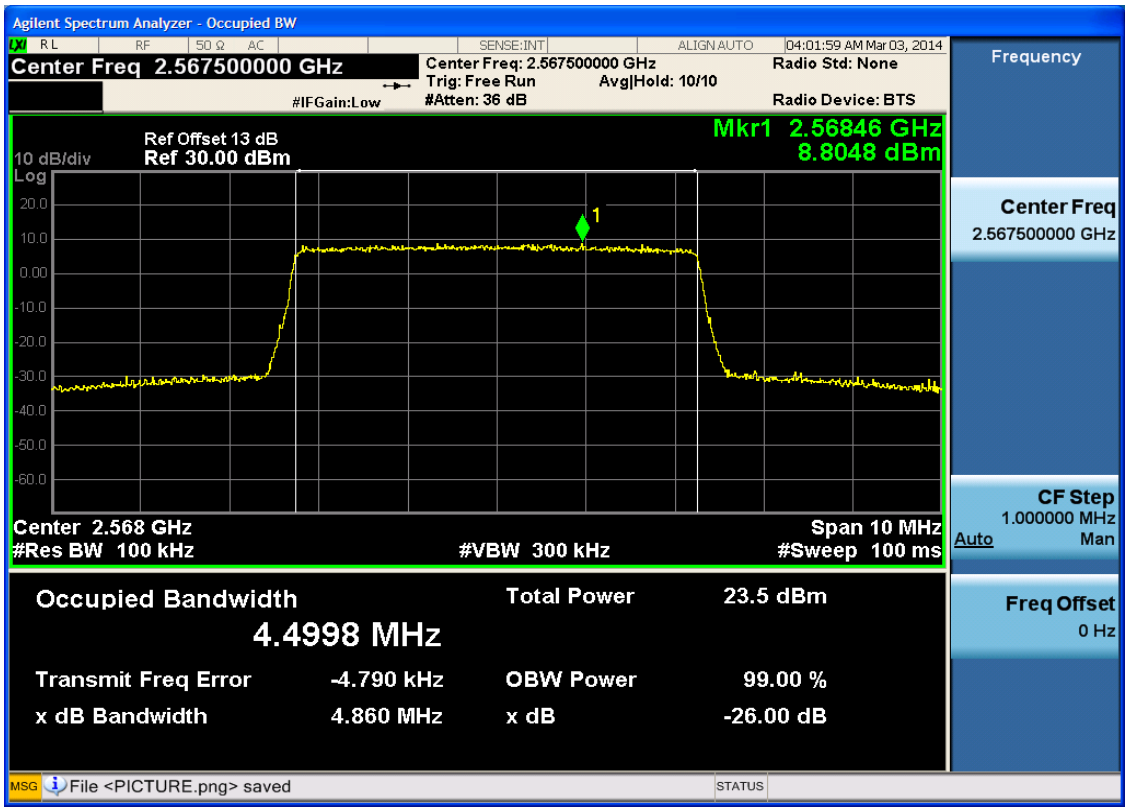
4.3.1.1.1.2 Test Channel = MCH

4.3.1.1.1.2.1 Test RB = RB25#0



4.3.1.1.1.3 Test Channel = HCH

4.3.1.1.1.3.1 Test RB = RB25#0



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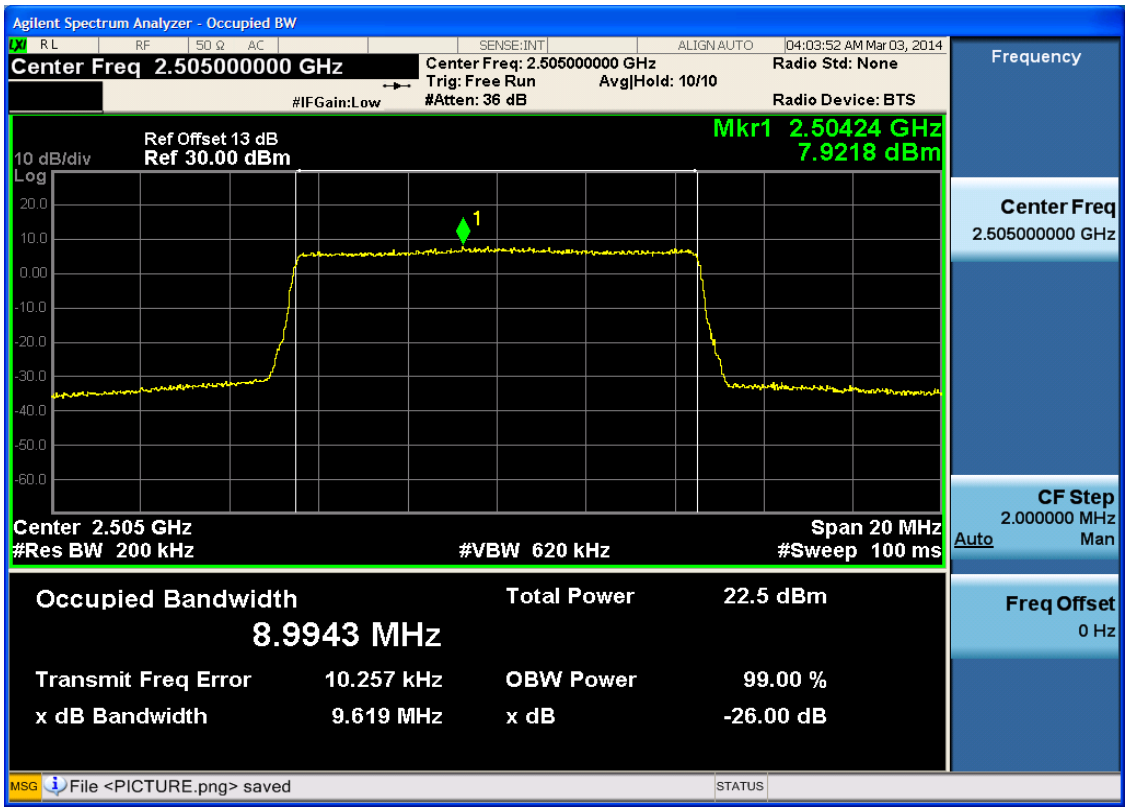
4.3.1.1.2 Test Bandwidth = 10

4.3.1.1.2.1 Test Channel = LCH

4.3.1.1.2.1.1 Test RB = RB50#0



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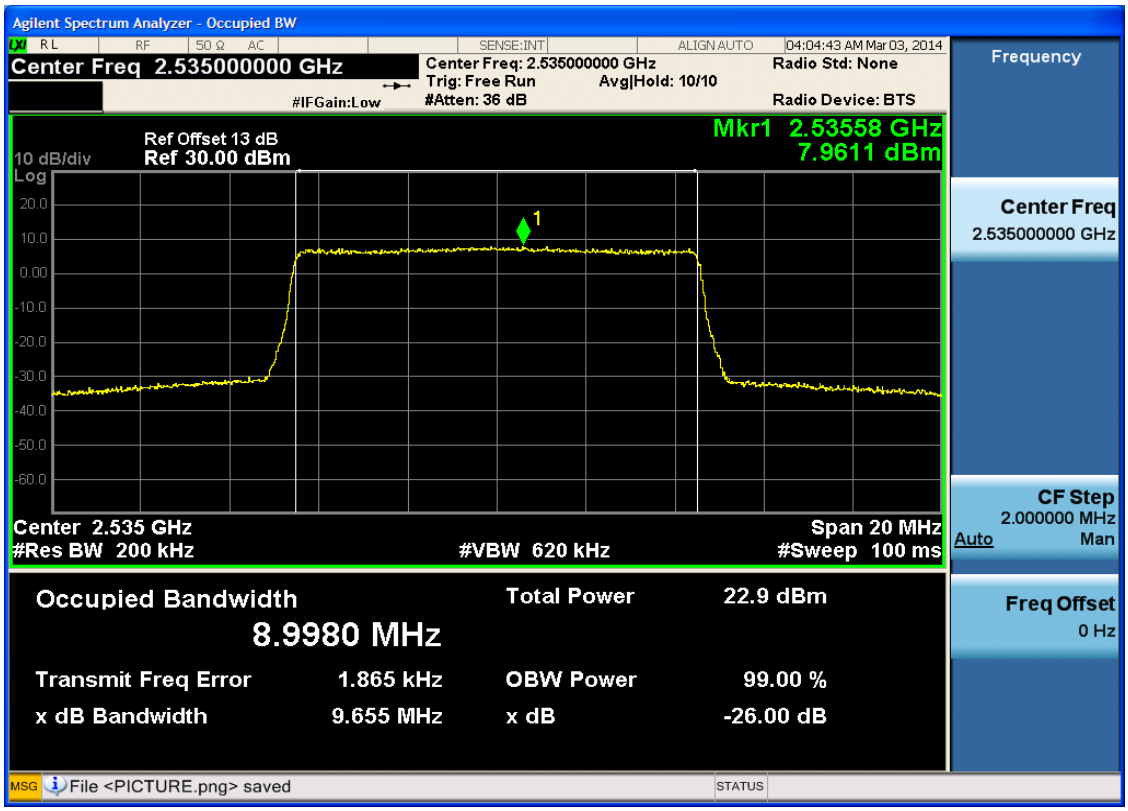
4.3.1.1.2.2 Test Channel = MCH

4.3.1.1.2.2.1 Test RB = RB50#0



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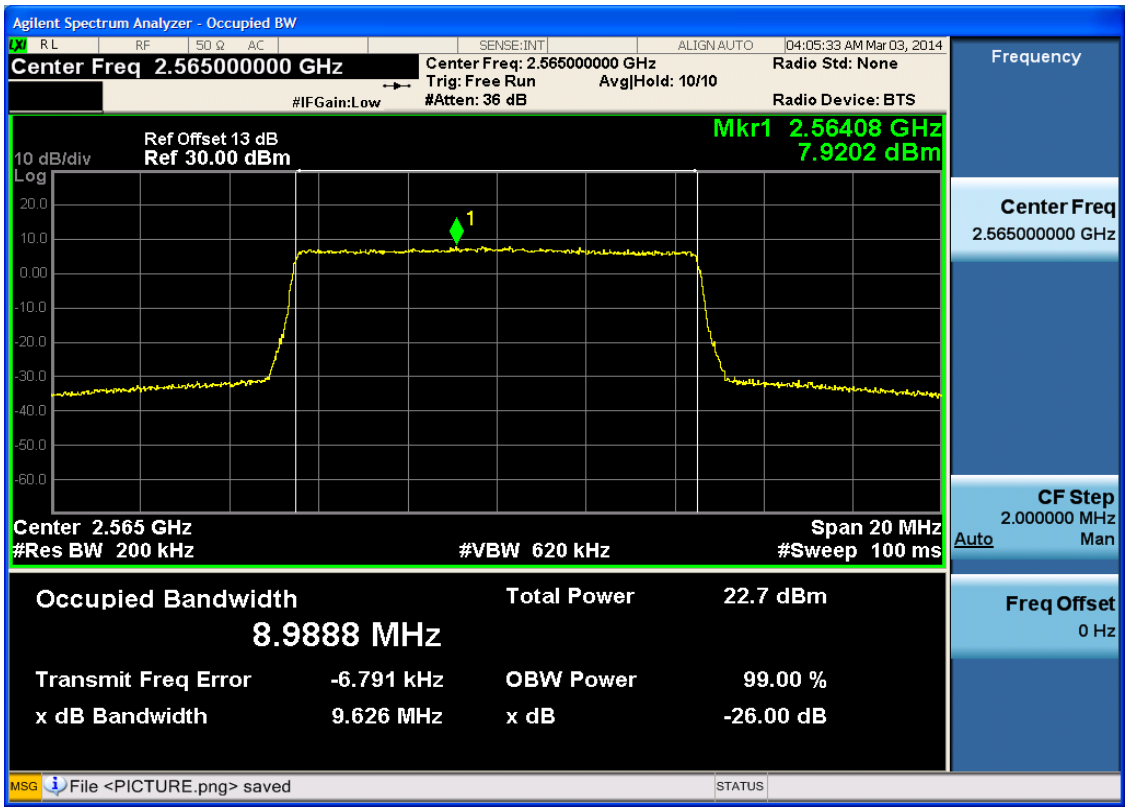
4.3.1.1.2.3 Test Channel = HCH

4.3.1.1.2.3.1 Test RB = RB50#0



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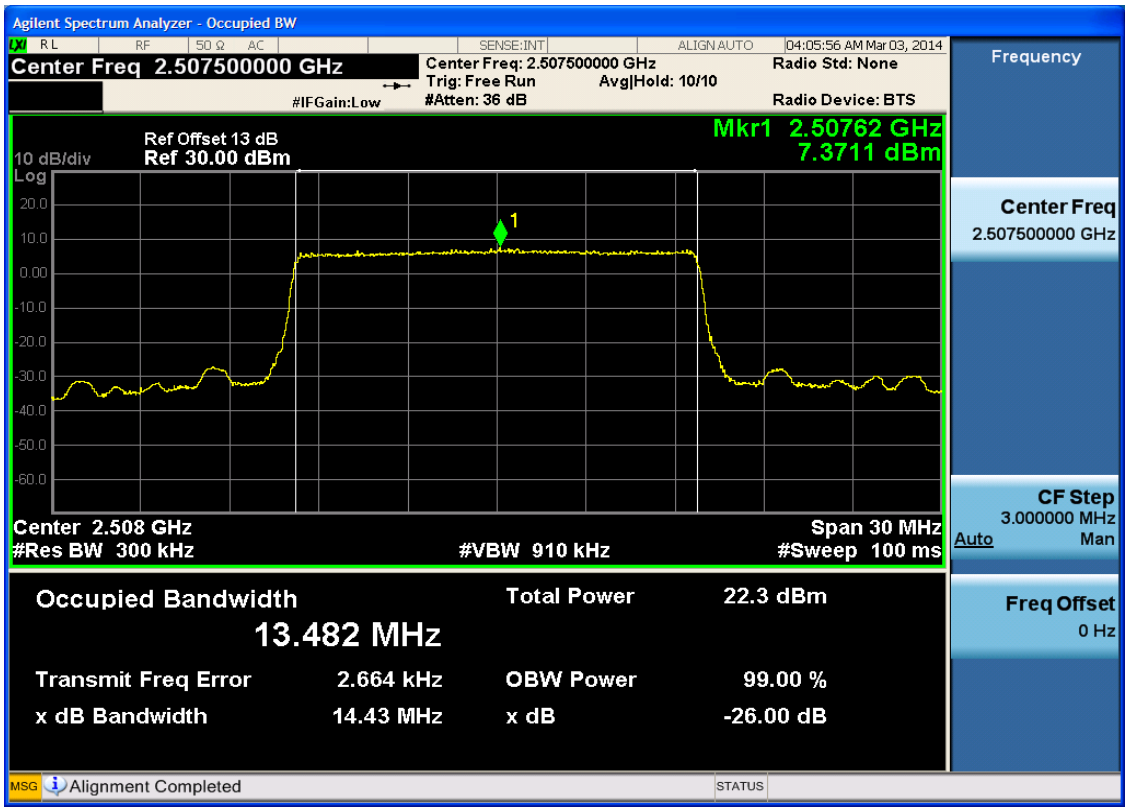
4.3.1.1.3 Test Bandwidth = 15

4.3.1.1.3.1 Test Channel = LCH

4.3.1.1.3.1.1 Test RB = RB75#0



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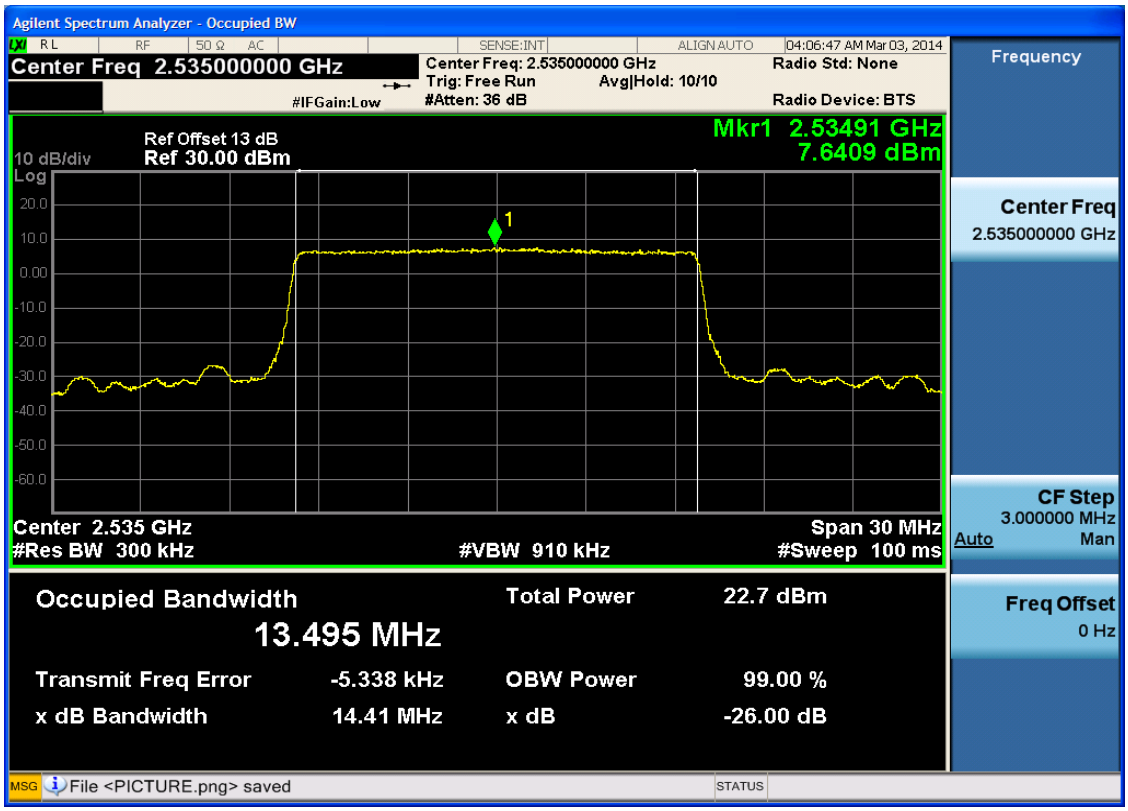
4.3.1.1.3.2 Test Channel = MCH

4.3.1.1.3.2.1 Test RB = RB75#0



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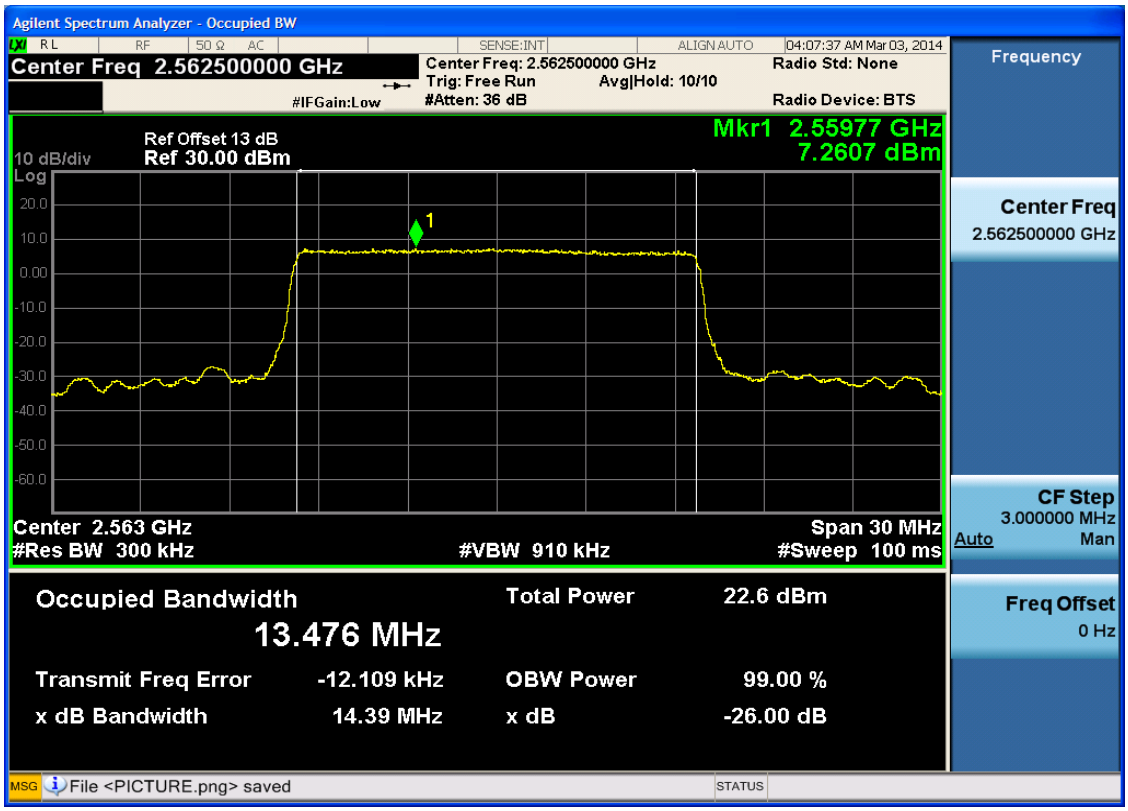
4.3.1.1.3.3 Test Channel = HCH

4.3.1.1.3.3.1 Test RB = RB75#0



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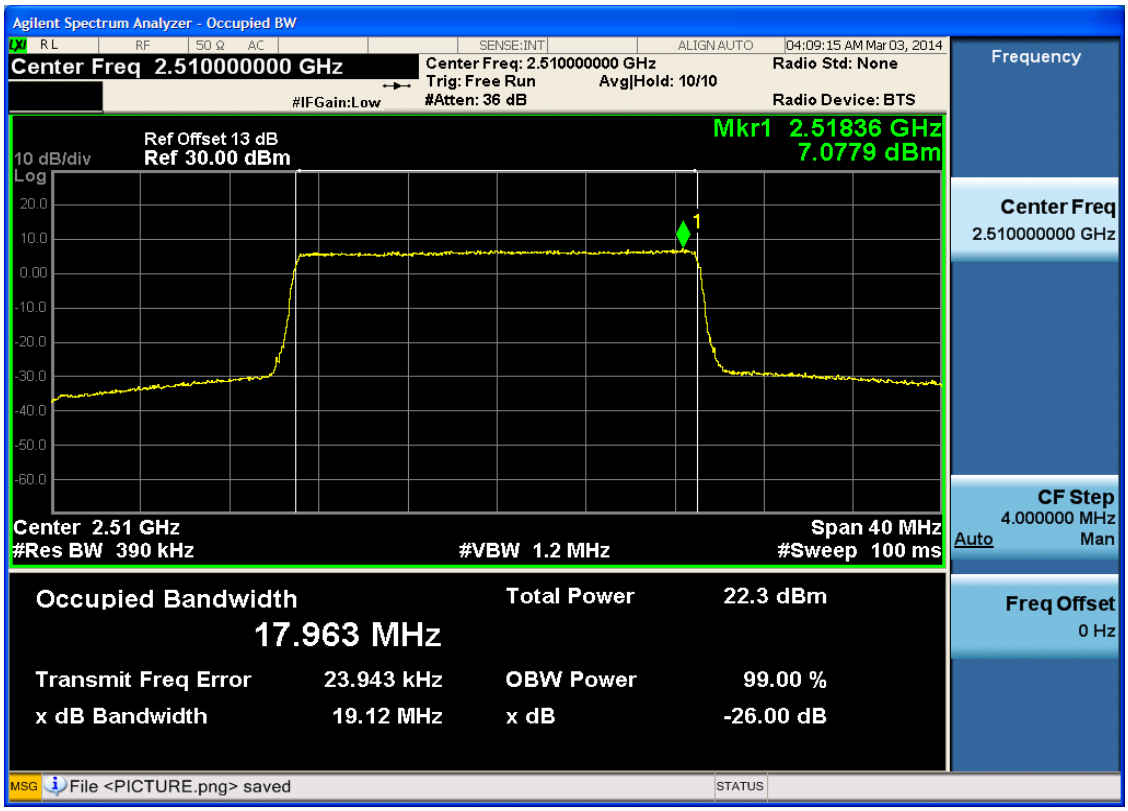
4.3.1.1.4 Test Bandwidth = 20

4.3.1.1.4.1 Test Channel = LCH

4.3.1.1.4.1.1 Test RB = RB100#0



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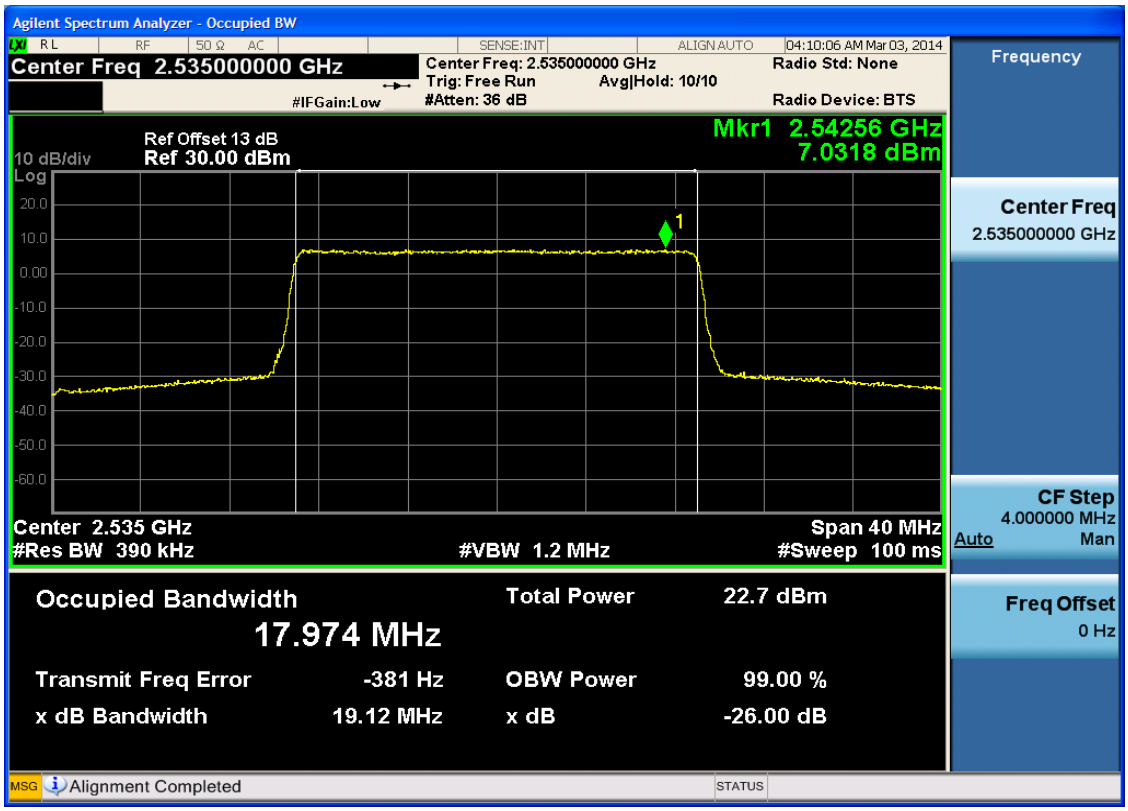
4.3.1.1.4.2 Test Channel = MCH

4.3.1.1.4.2.1 Test RB = RB100#0



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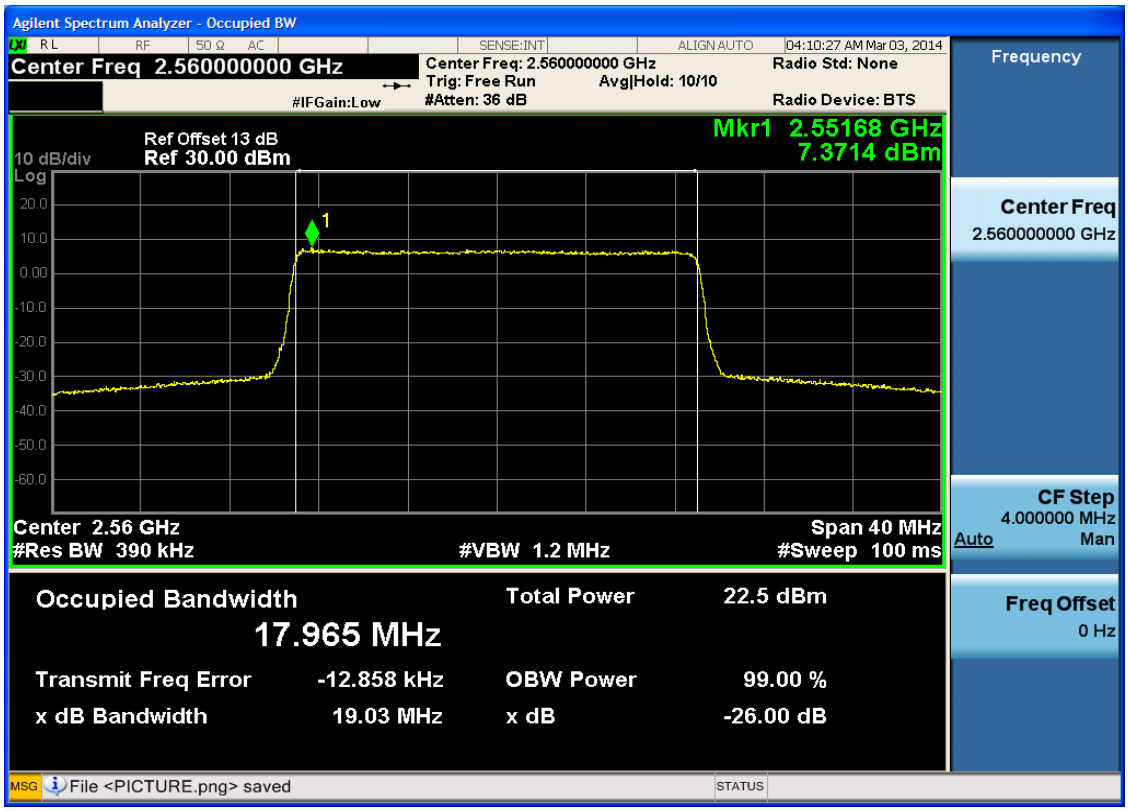
4.3.1.1.4.3 Test Channel = HCH

4.3.1.1.4.3.1 Test RB = RB100#0



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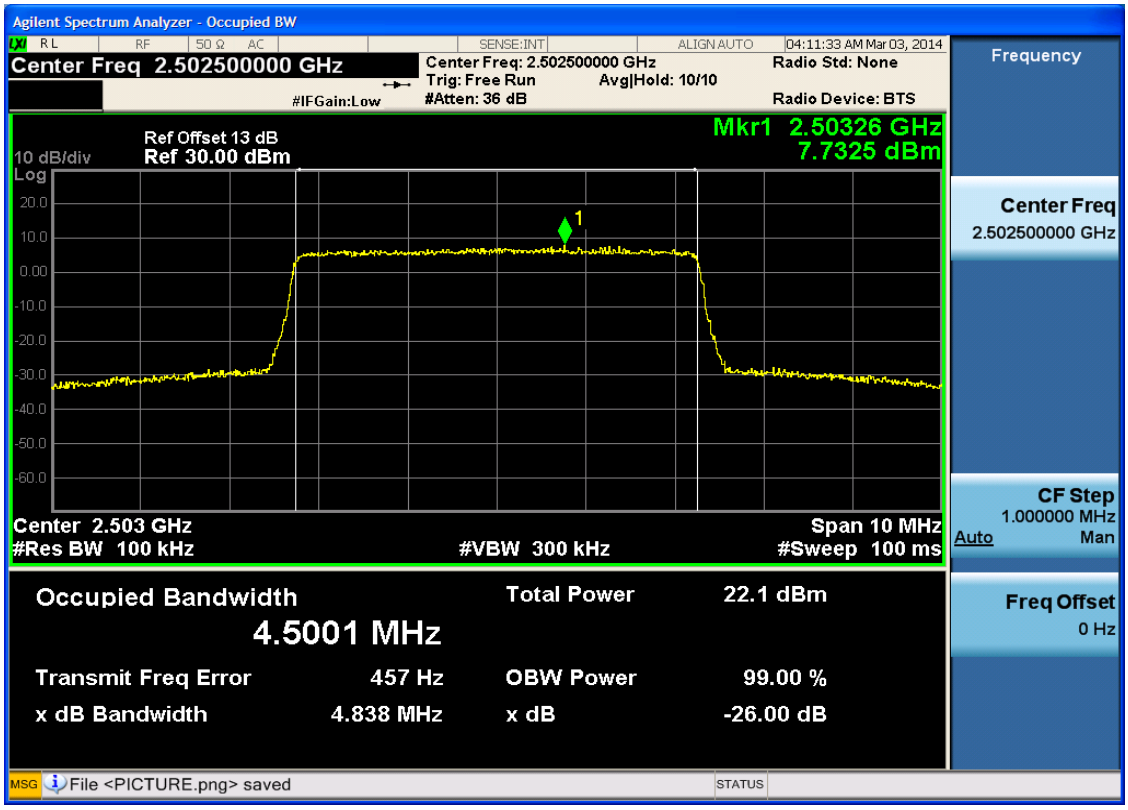
4.3.1.2 Test Mode = LTE/TM2

4.3.1.2.1 Test Bandwidth = 5

4.3.1.2.1.1 Test Channel = LCH

4.3.1.2.1.1.1 Test RB = RB25#0



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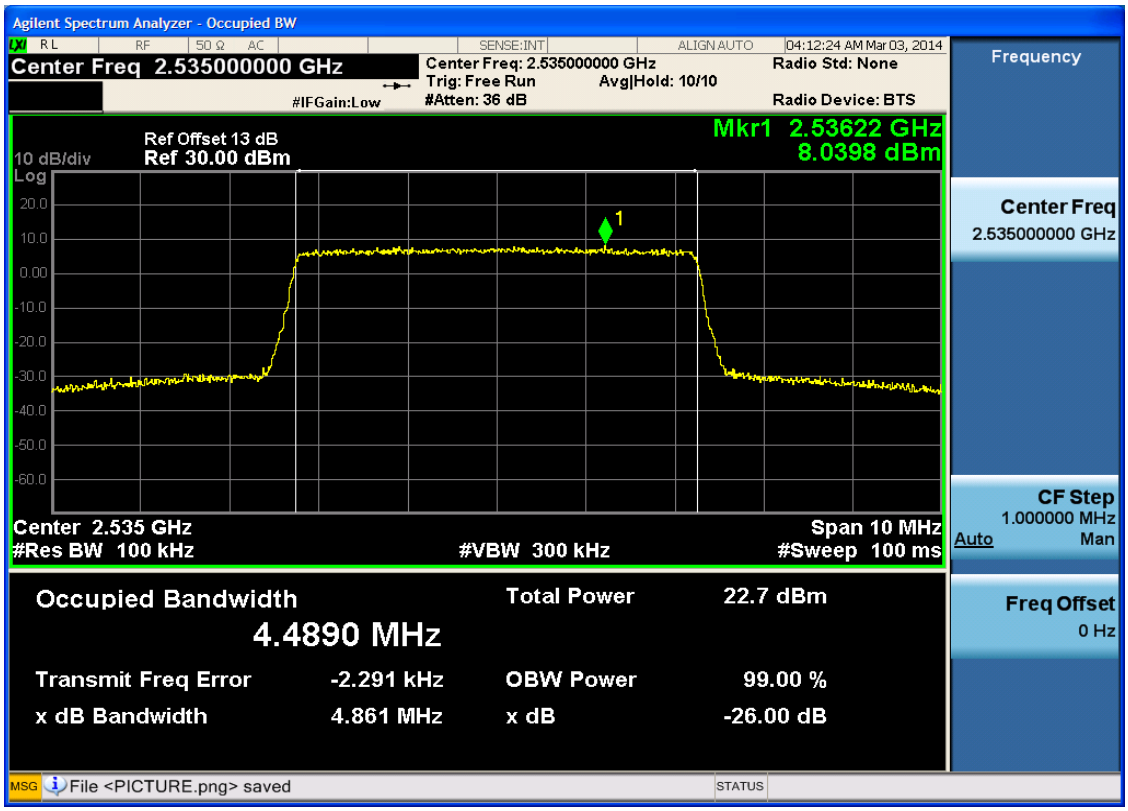
4.3.1.2.1.2 Test Channel = MCH

4.3.1.2.1.2.1 Test RB = RB25#0



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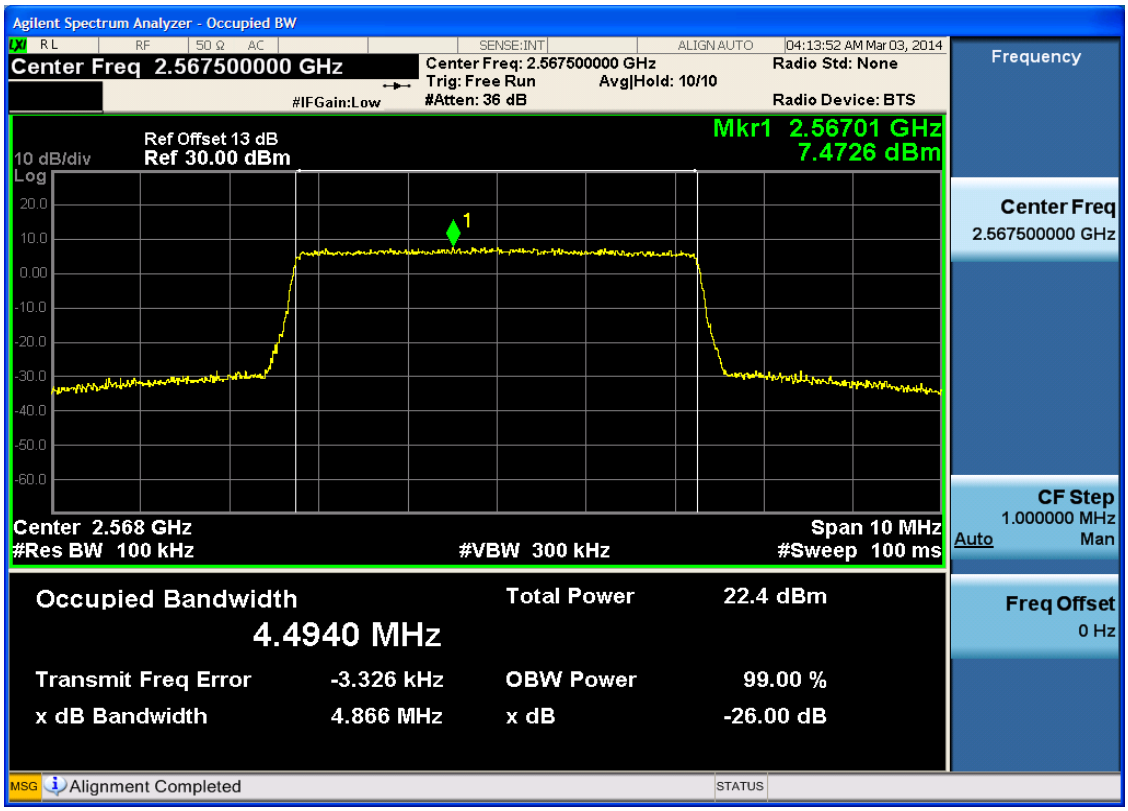
4.3.1.2.1.3 Test Channel = HCH

4.3.1.2.1.3.1 Test RB = RB25#0



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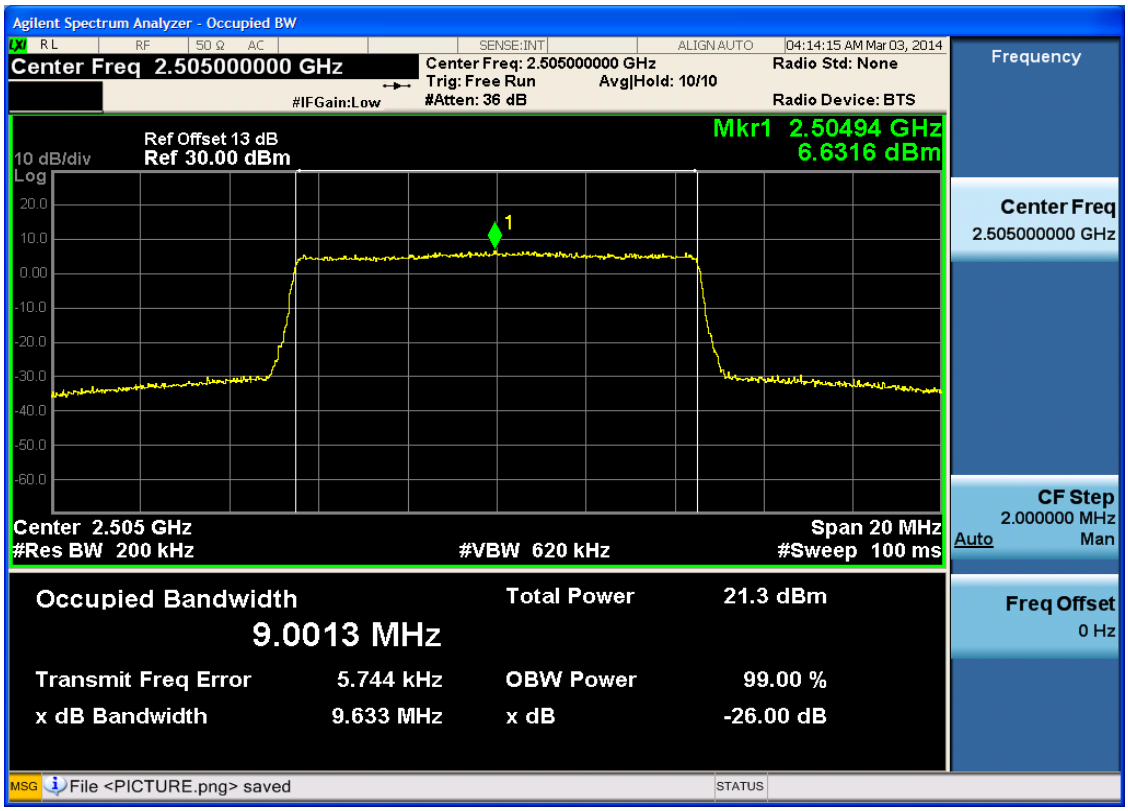
4.3.1.2.2 Test Bandwidth = 10

4.3.1.2.2.1 Test Channel = LCH

4.3.1.2.2.1.1 Test RB = RB50#0



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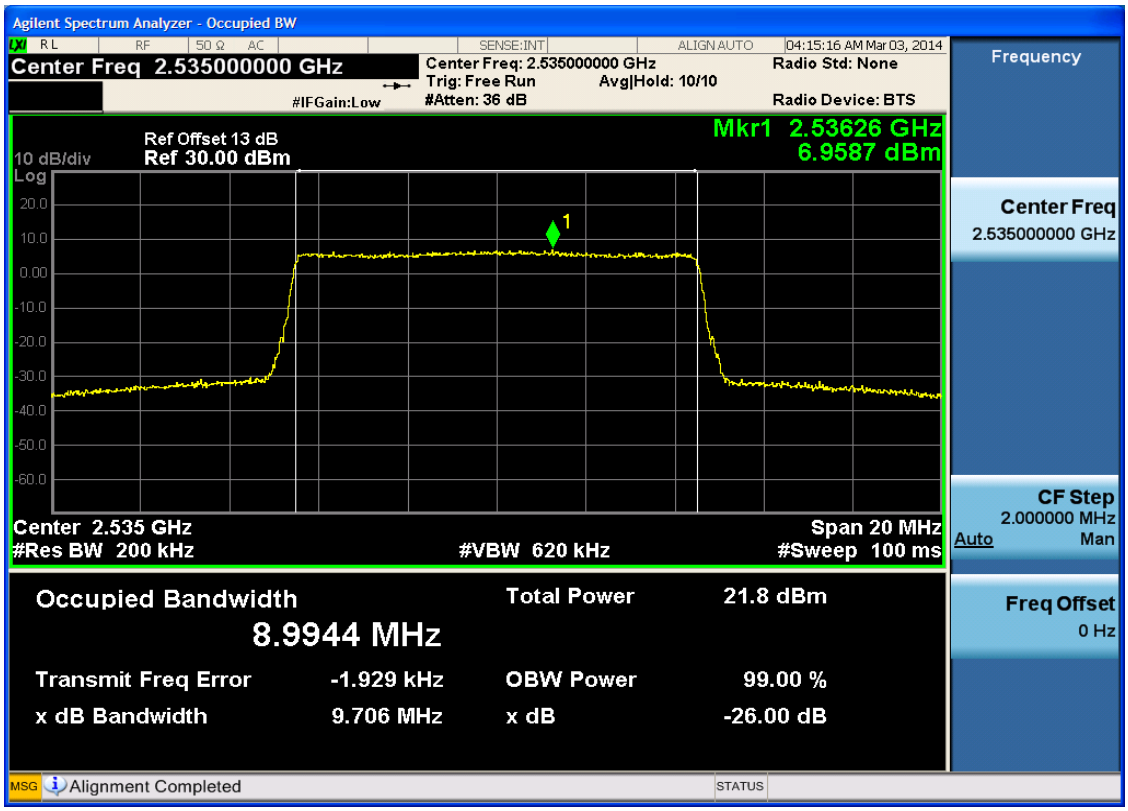
4.3.1.2.2.2 Test Channel = MCH

4.3.1.2.2.2.1 Test RB = RB50#0



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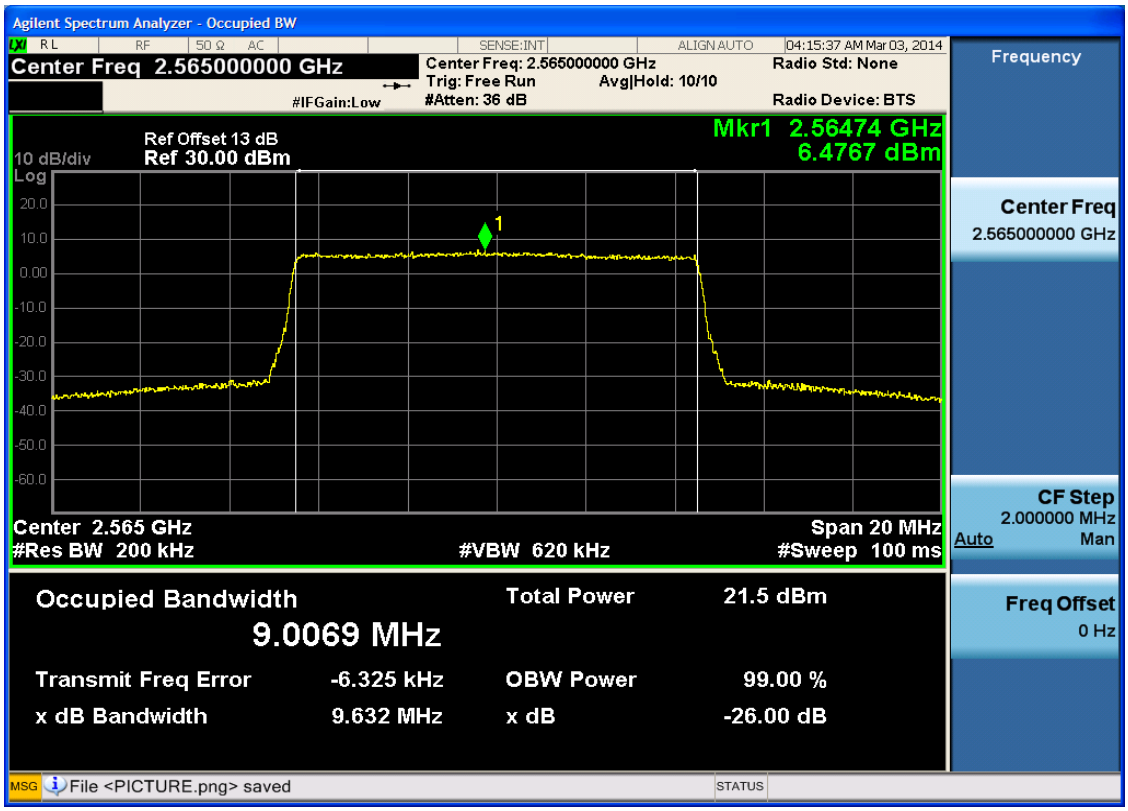
4.3.1.2.2.3 Test Channel = HCH

4.3.1.2.2.3.1 Test RB = RB50#0



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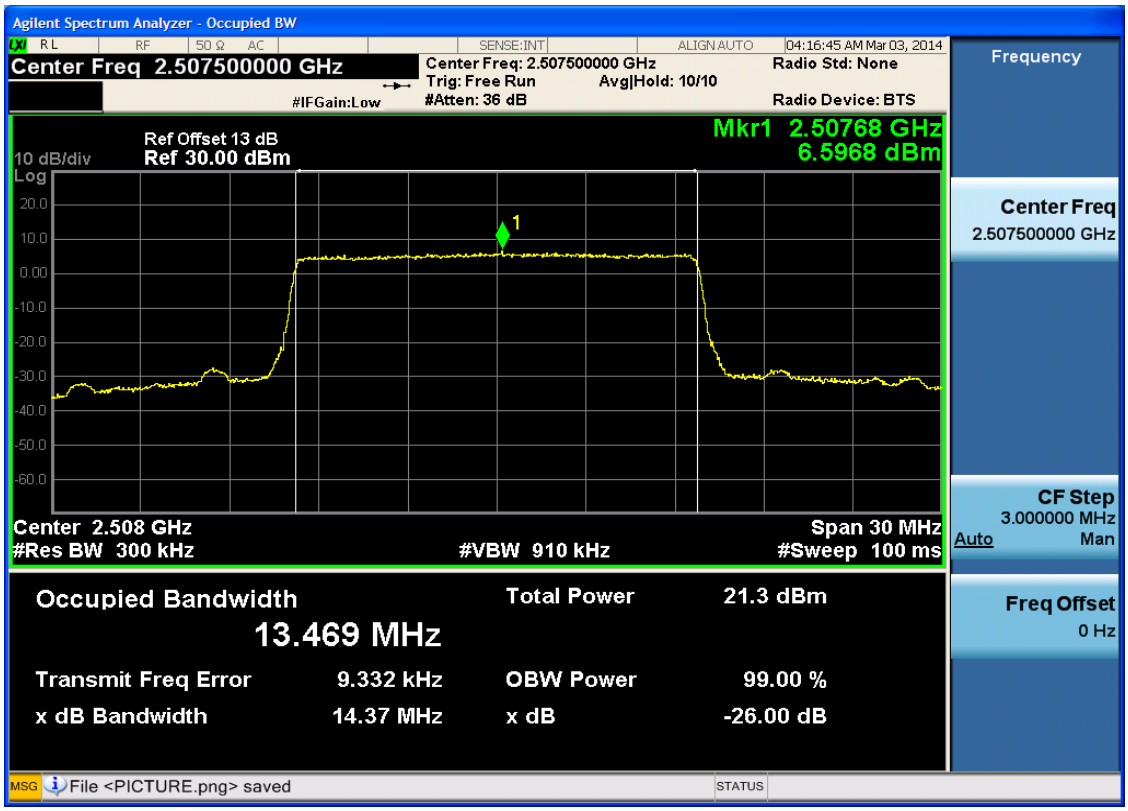
4.3.1.2.3 Test Bandwidth = 15

4.3.1.2.3.1 Test Channel = LCH

4.3.1.2.3.1.1 Test RB = RB75#0



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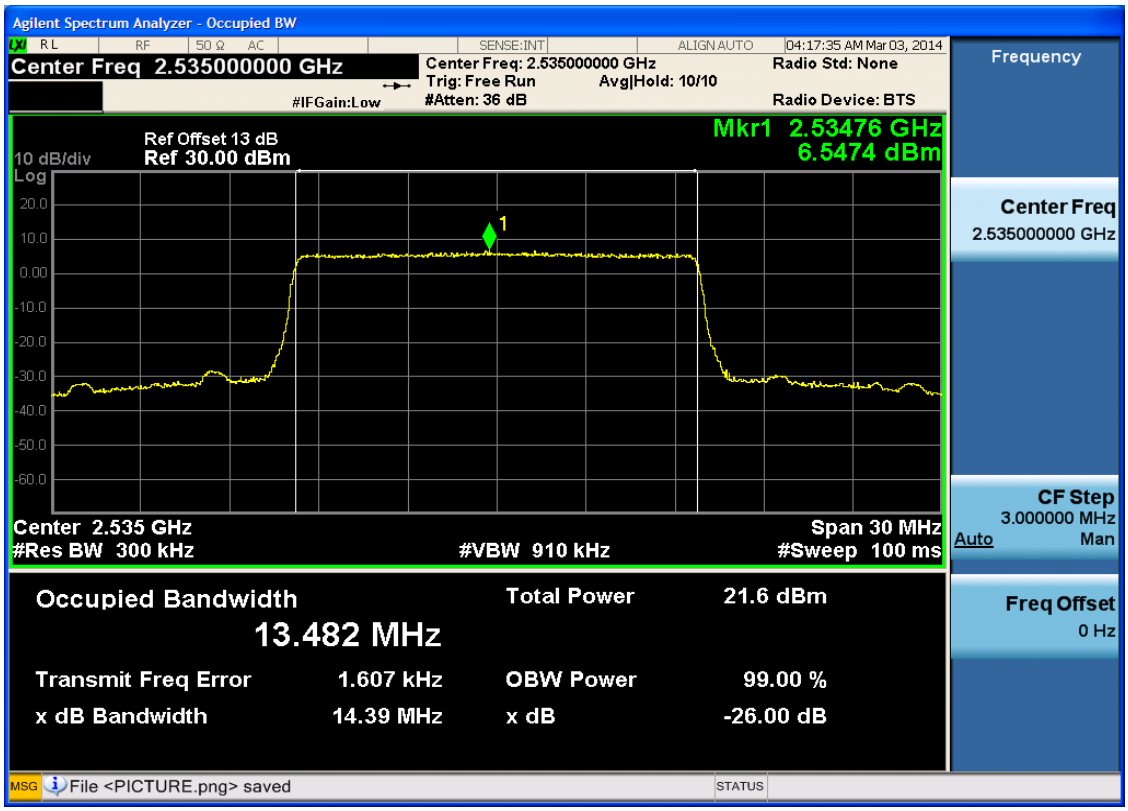
4.3.1.2.3.2 Test Channel = MCH

4.3.1.2.3.2.1 Test RB = RB75#0



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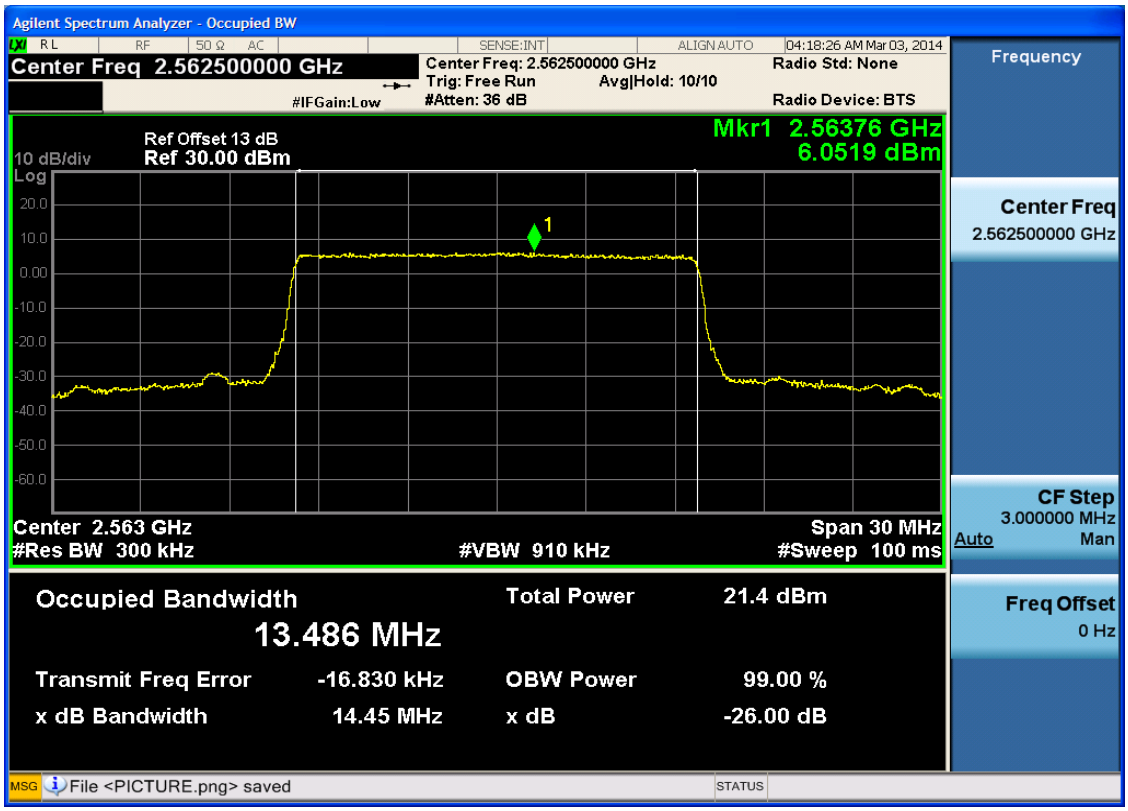
4.3.1.2.3.3 Test Channel = HCH

4.3.1.2.3.3.1 Test RB = RB75#0



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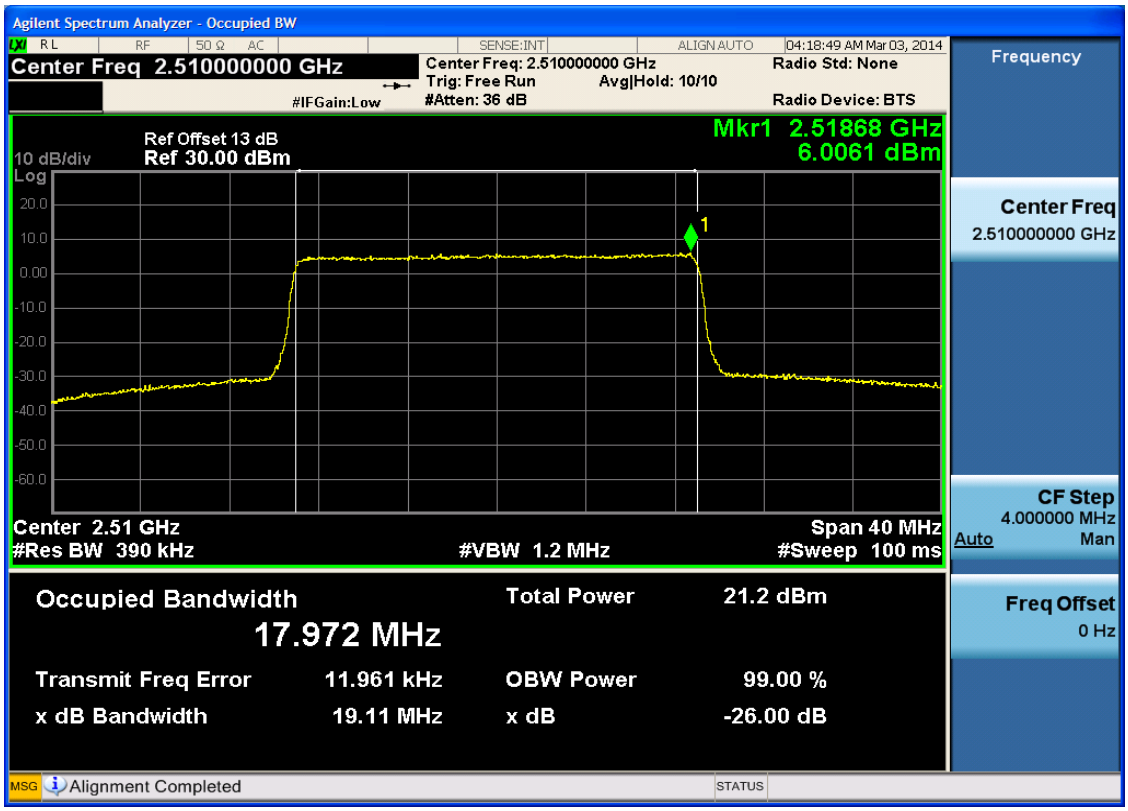
4.3.1.2.4 Test Bandwidth = 20

4.3.1.2.4.1 Test Channel = LCH

4.3.1.2.4.1.1 Test RB = RB100#0



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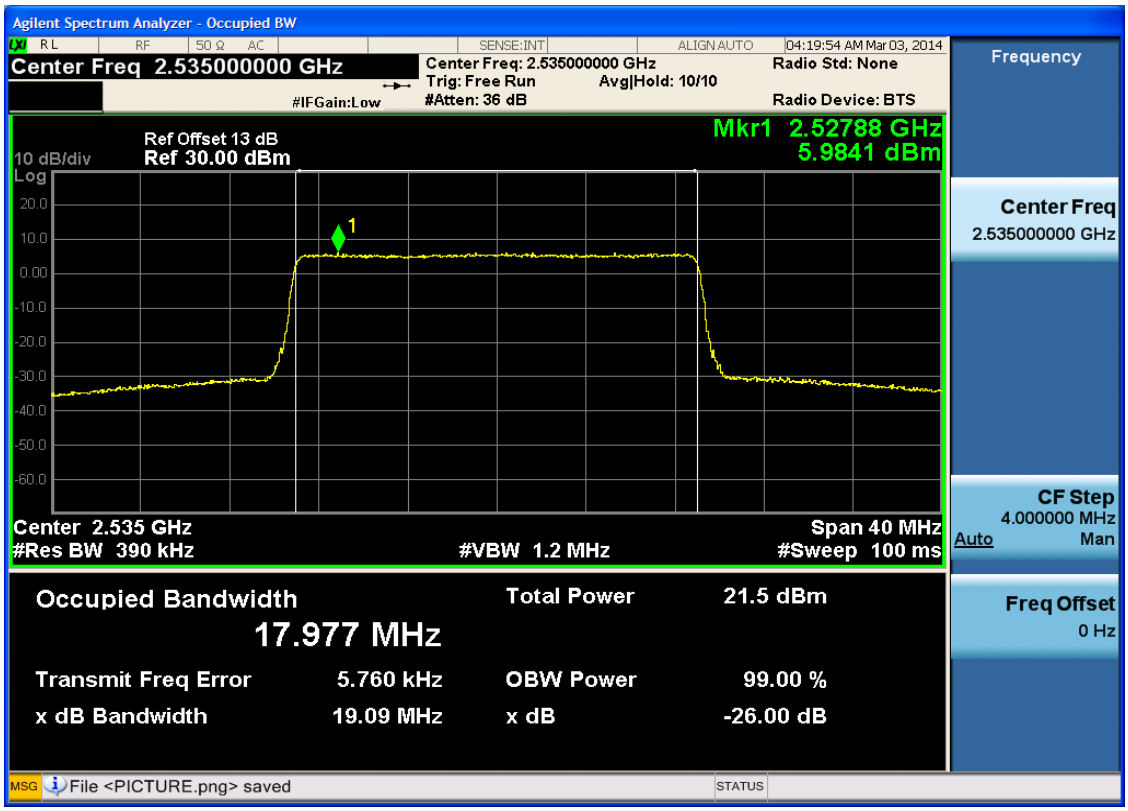
4.3.1.2.4.2 Test Channel = MCH

4.3.1.2.4.2.1 Test RB = RB100#0



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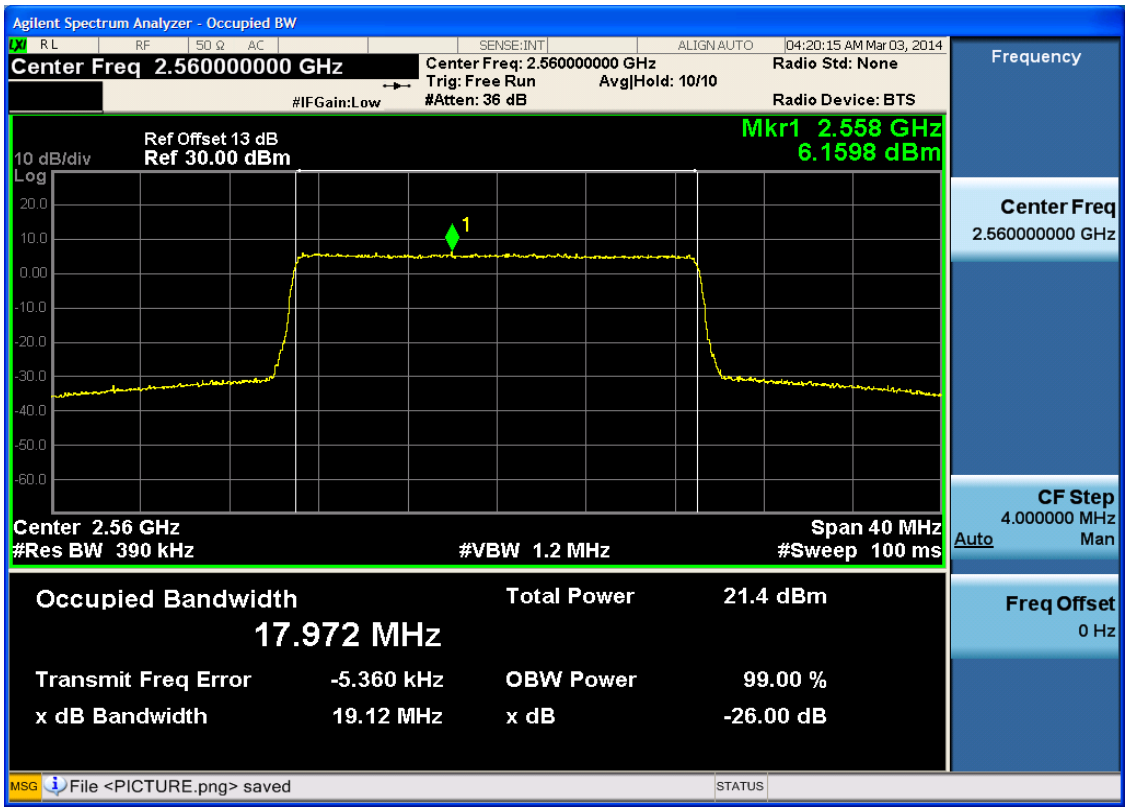
4.3.1.2.4.3 Test Channel = HCH

4.3.1.2.4.3.1 Test RB = RB100#0



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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

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5.1.1.1.2 Test Channel = HCH

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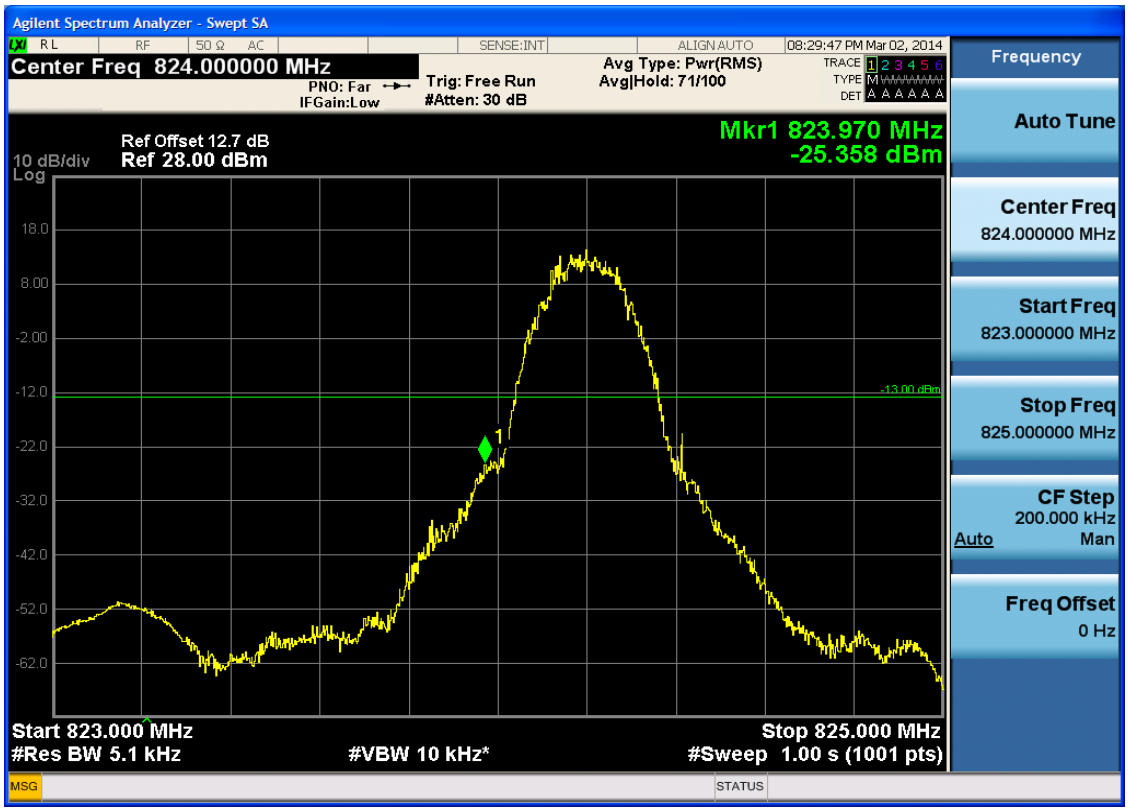
5.1.1.2 Test Mode = GSM/TM2

5.1.1.2.1 Test Channel = LCH



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5.1.1.2.2 Test Channel = HCH

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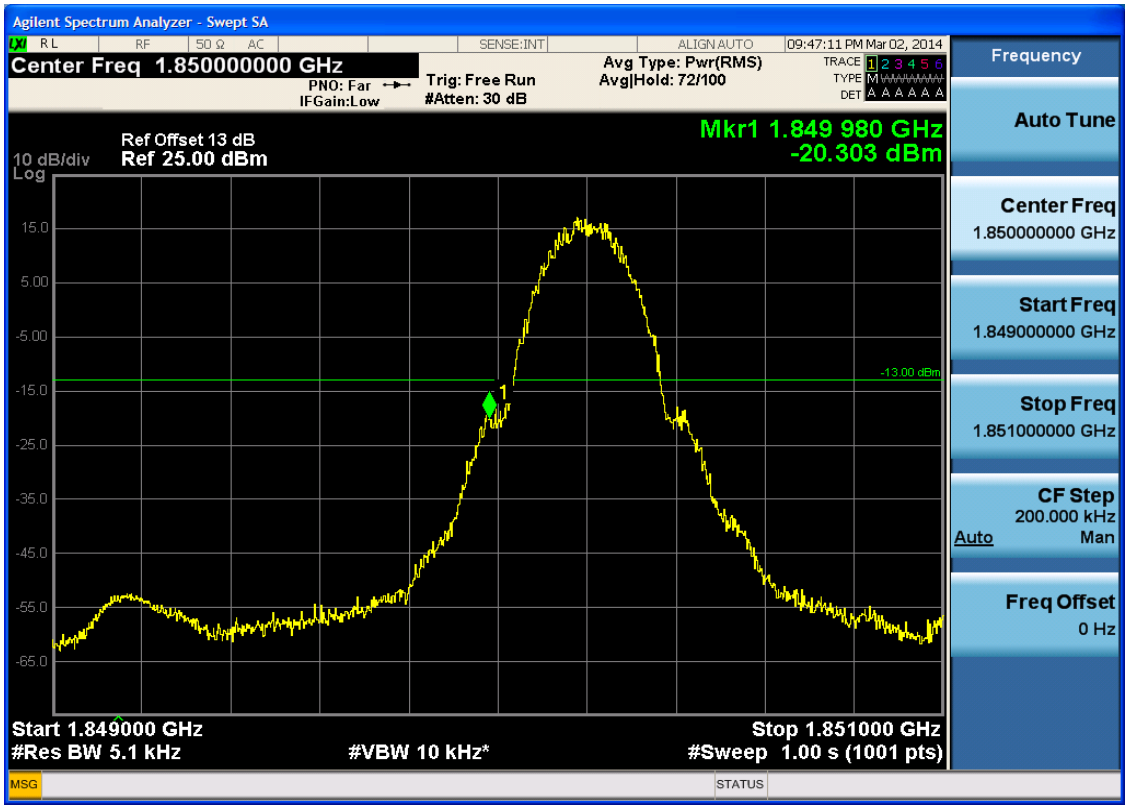
5.1.2 Test Band = GSM1900

5.1.2.1 Test Mode = GSM/TM1

5.1.2.1.1 Test Channel = LCH



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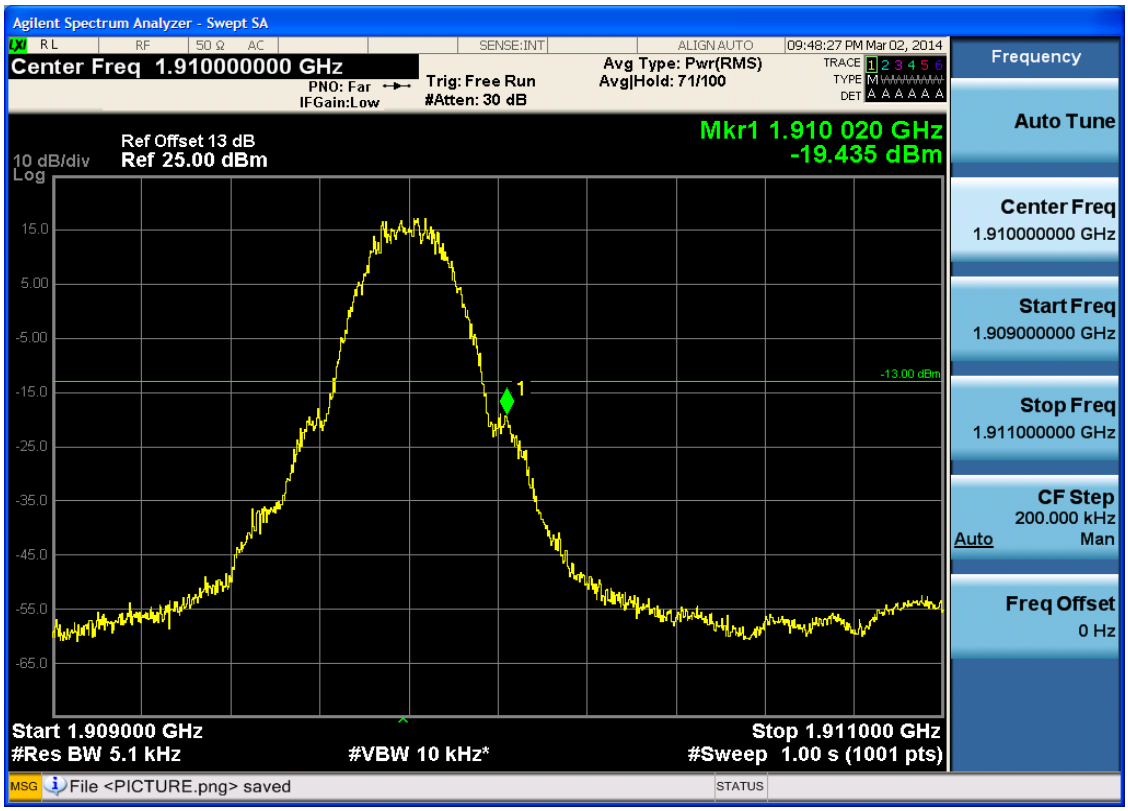
5.1.2.1.2 Test Channel = HCH



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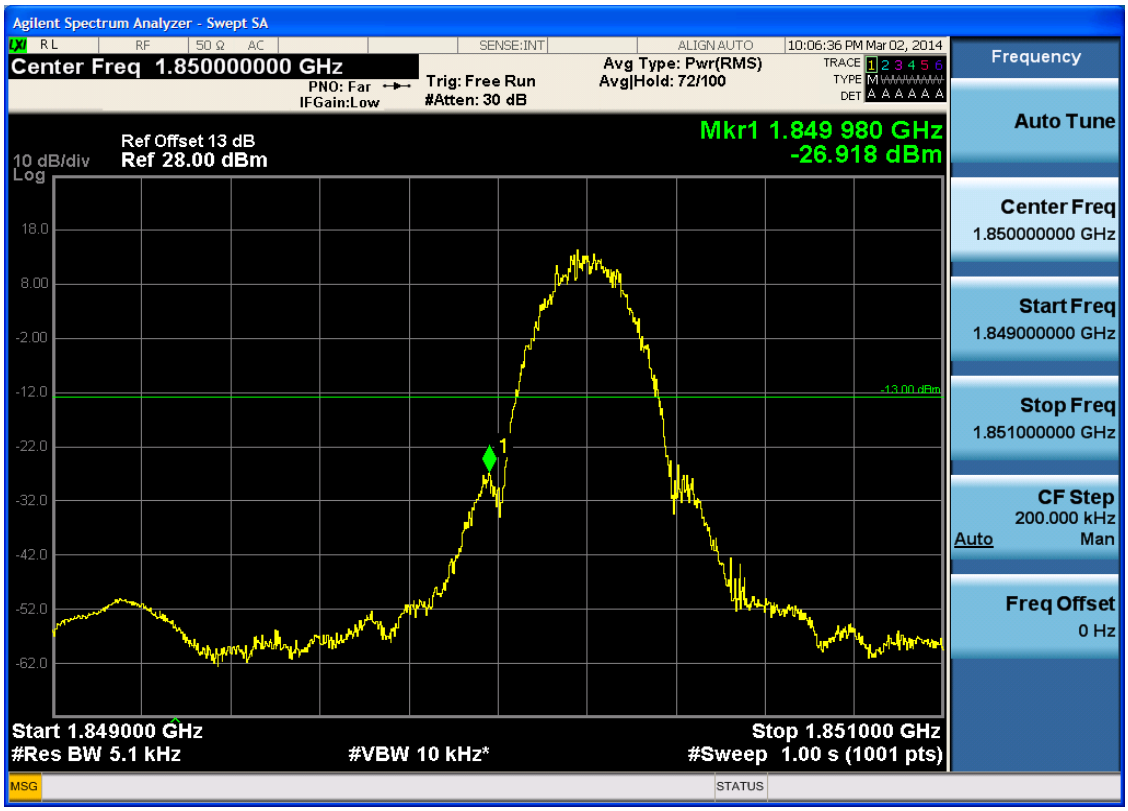
5.1.2.2 Test Mode = GSM/TM2

5.1.2.2.1 Test Channel = LCH



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5.1.2.2.2 Test Channel = HCH

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5.2 For UMTS

5.2.1 Test Band = WCDMA850

5.2.1.1 Test Mode = UMTS/TM1

5.2.1.1.1 Test Channel = LCH

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5.2.1.1.2 Test Channel = HCH

5.2.2 Test Band = WCDMA1900

5.2.2.1 Test Mode = UMTS/TM1

5.2.2.1.1 Test Channel = LCH

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5.2.2.1.2 Test Channel = HCH

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5.3 For LTE

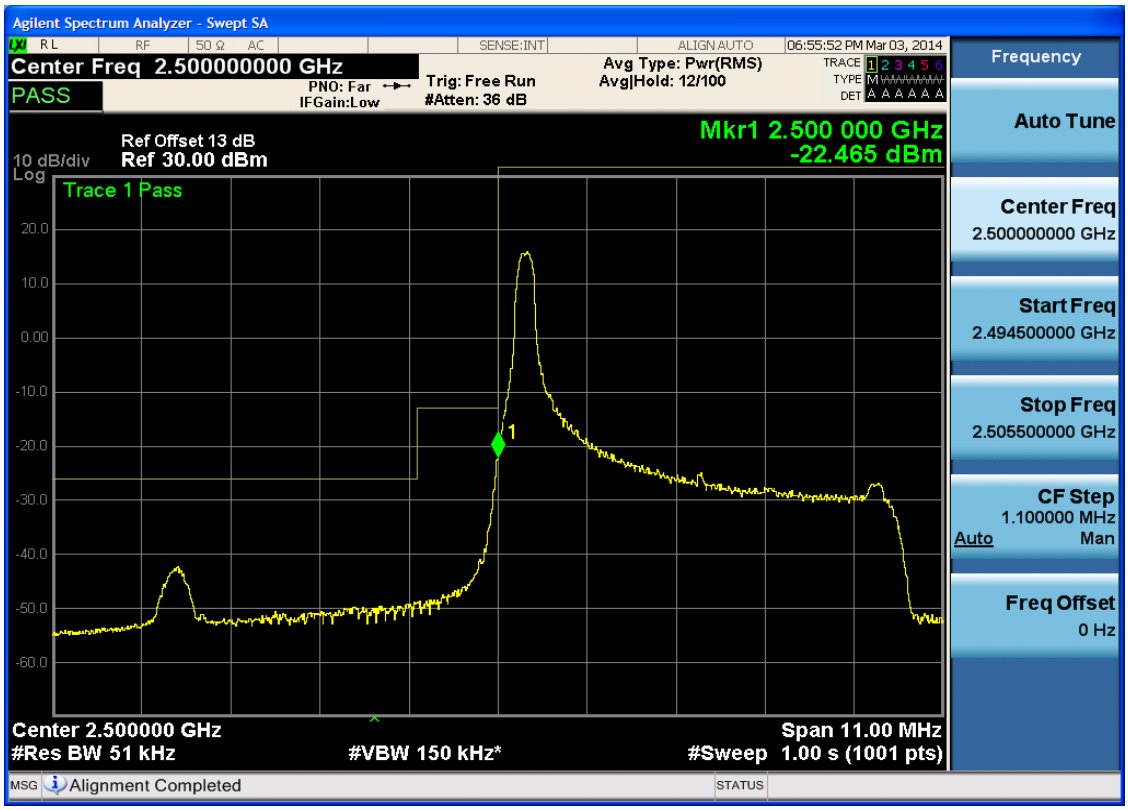
5.3.1 Test Band = BAND7

5.3.1.1 Test Mode = LTE/TM2

5.3.1.1.1 Test Bandwidth = 5

5.3.1.1.1.1 Test Channel = LCH

5.3.1.1.1.1.1 Test RB = RB1#0



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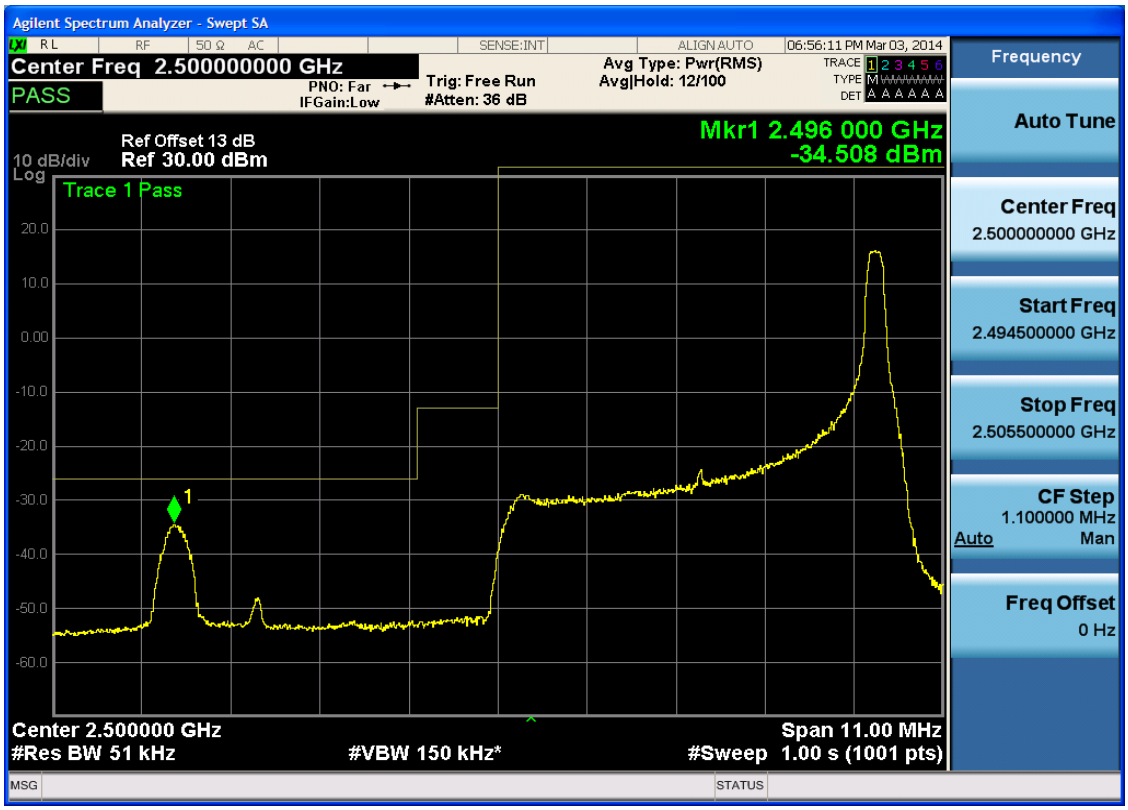
5.3.1.1.1.1.2 Test RB = RB1#24



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5.3.1.1.1.1.3 Test RB = RB12#6

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5.3.1.1.1.1.4 Test RB = RB25#0

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5.3.1.1.1.2 Test Channel = HCH

5.3.1.1.1.2.1 Test RB = RB1#0

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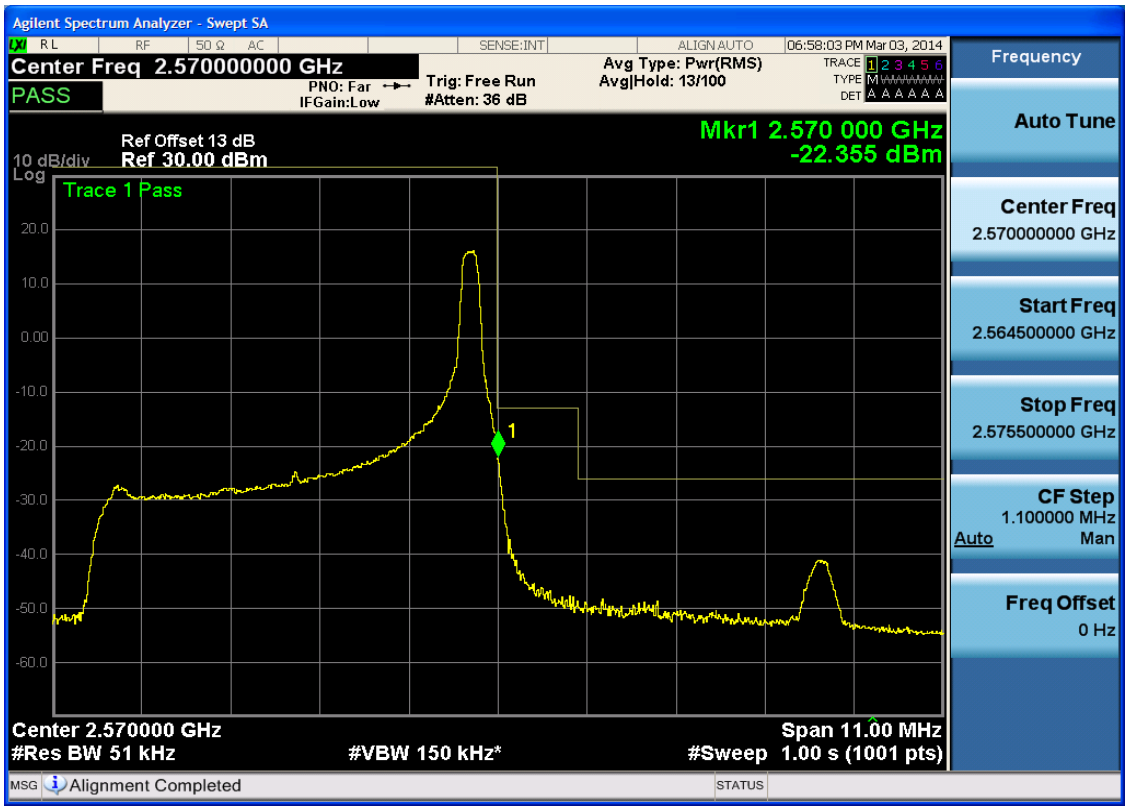
5.3.1.1.1.2.2 Test RB = RB1#24



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5.3.1.1.1.2.3 Test RB = RB12#6

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5.3.1.1.1.2.4 Test RB = RB25#0

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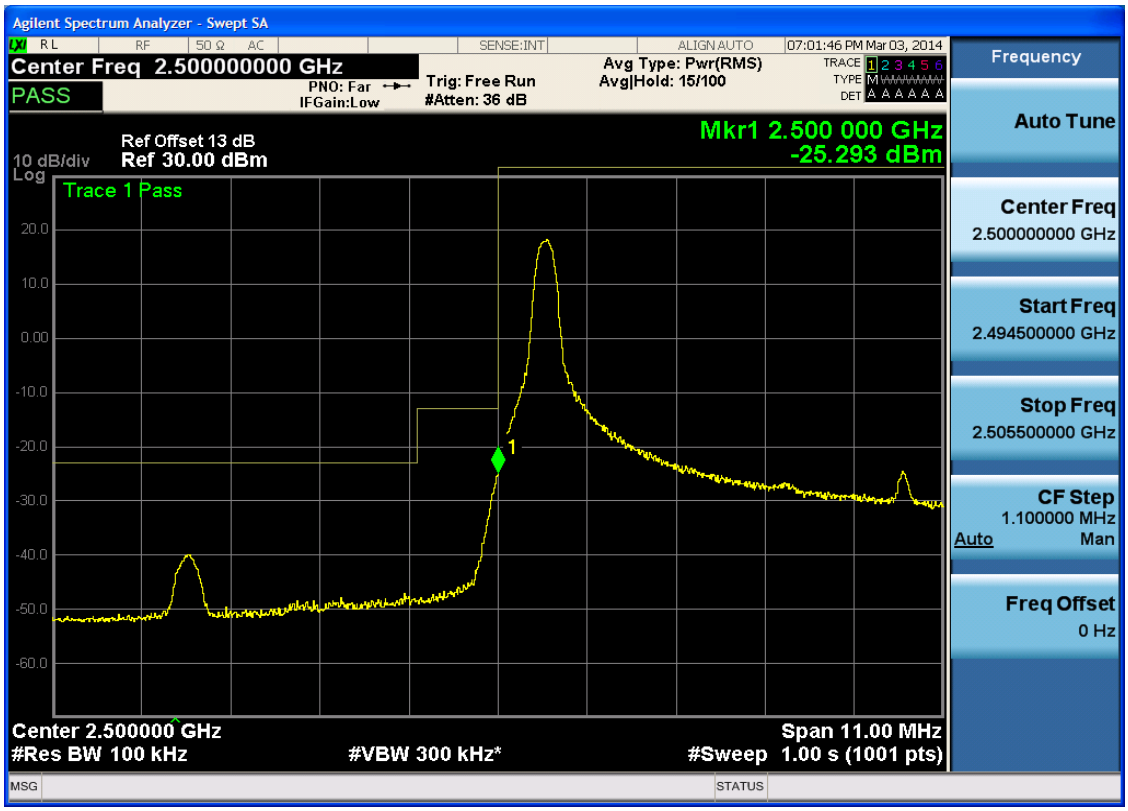
5.3.1.1.2 Test Bandwidth = 10

5.3.1.1.2.1 Test Channel = LCH

5.3.1.1.2.1.1 Test RB = RB1#0



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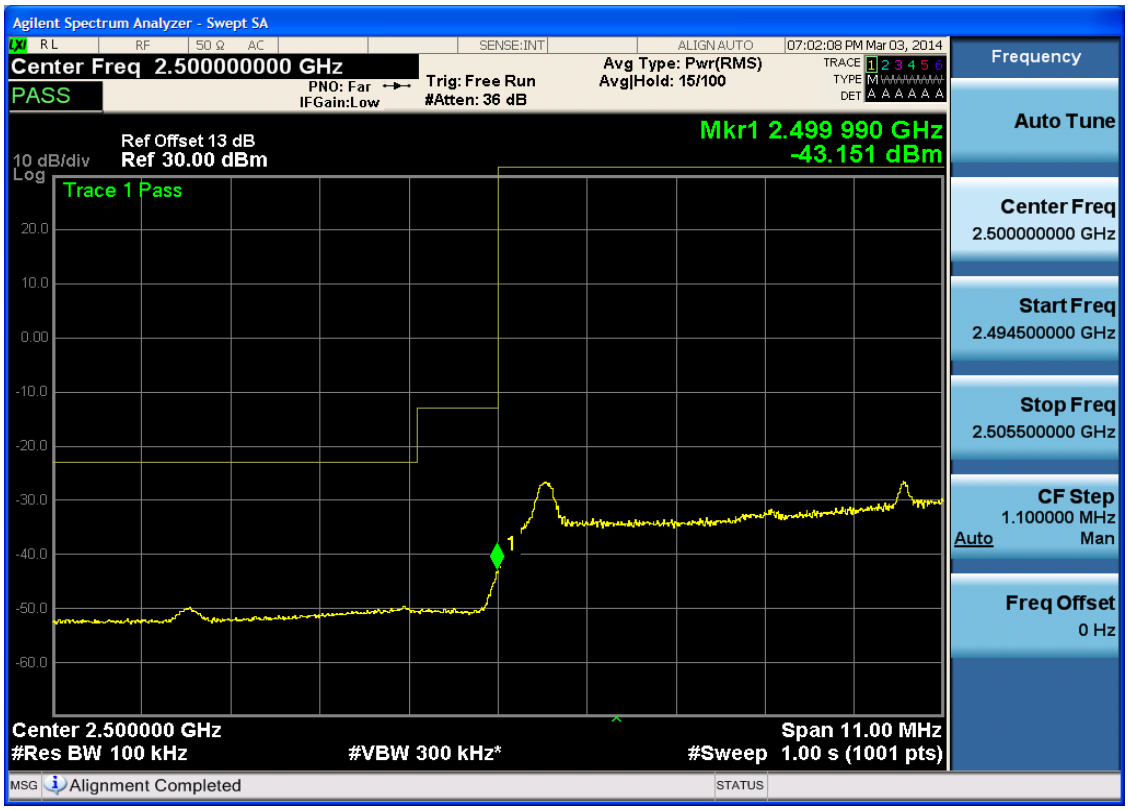
5.3.1.1.2.1.2 Test RB = RB1#49



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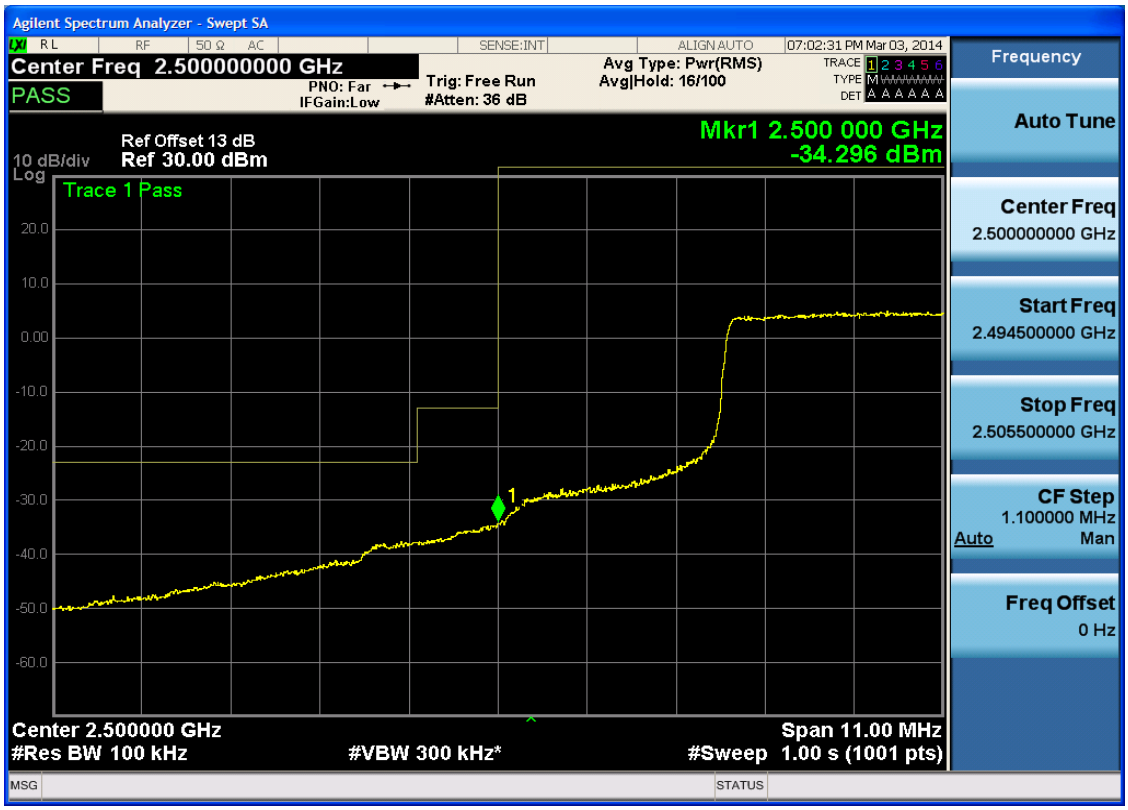
5.3.1.1.2.1.3 Test RB = RB25#13



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5.3.1.1.2.1.4 Test RB = RB50#0

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5.3.1.1.2.2 Test Channel = HCH

5.3.1.1.2.2.1 Test RB = RB1#0

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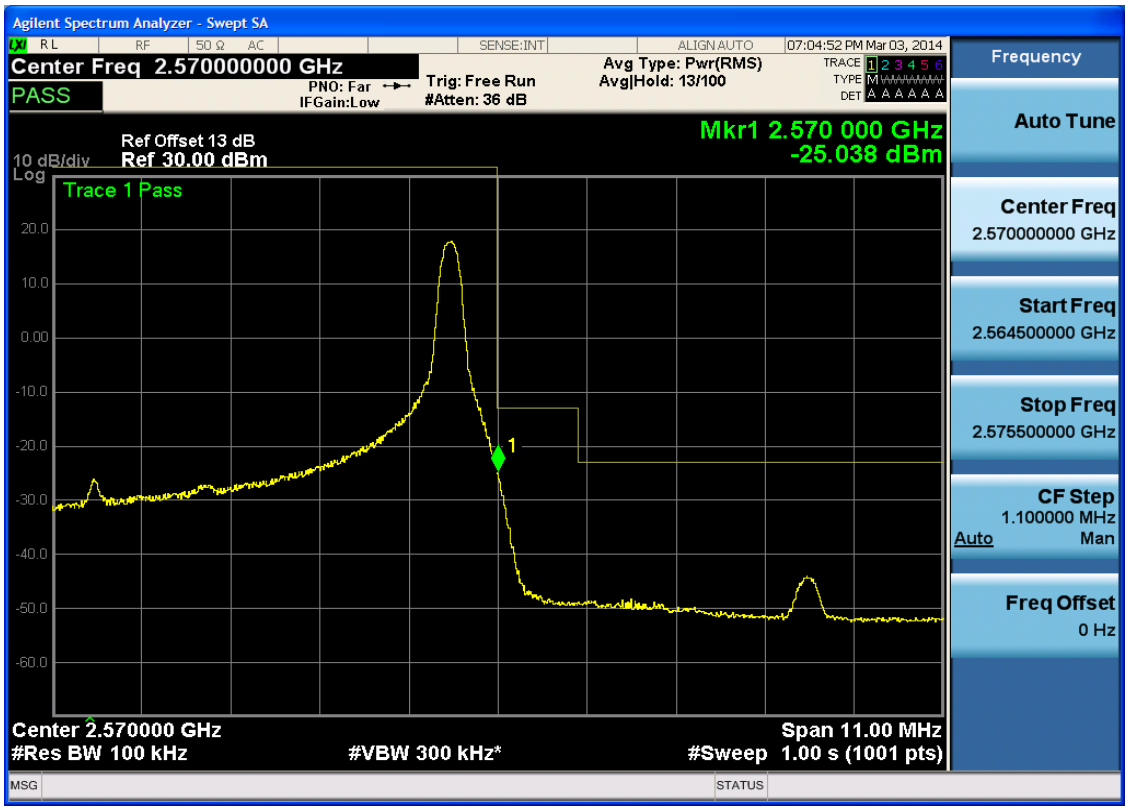
5.3.1.1.2.2.2 Test RB = RB1#49



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5.3.1.1.2.2.3 Test RB = RB25#13

5.3.1.1.2.2.4 Test RB = RB50#0

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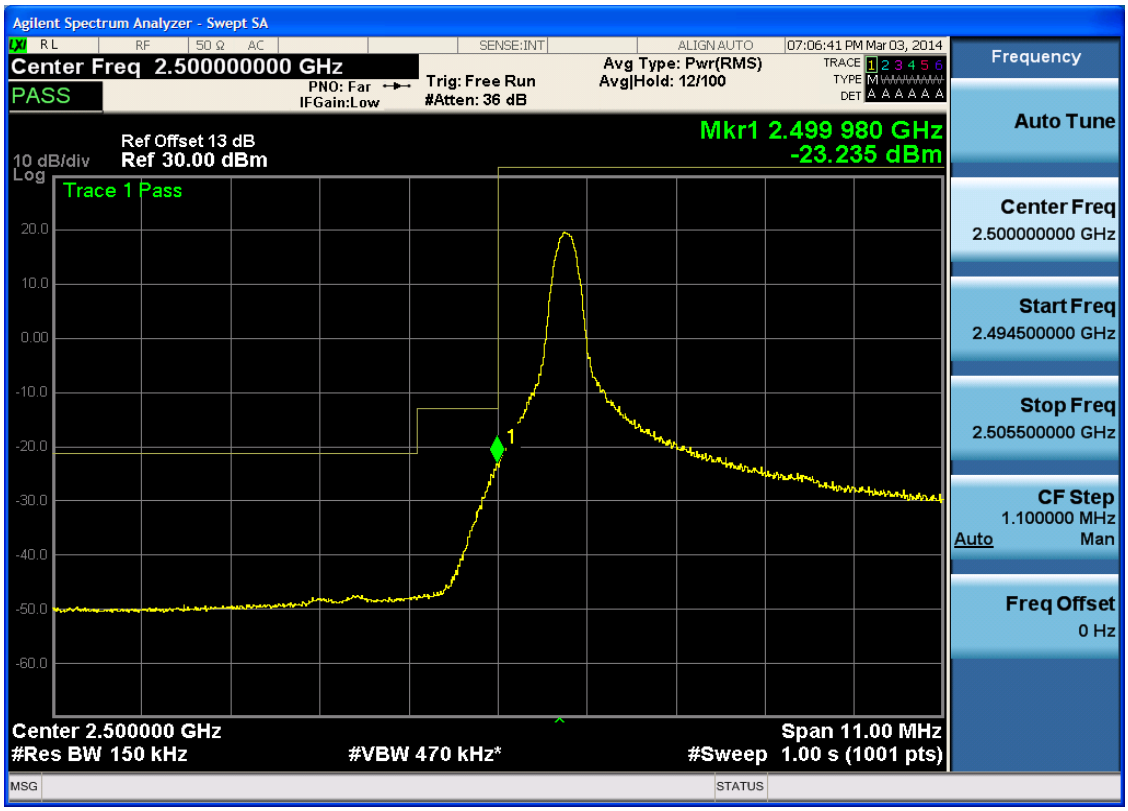
5.3.1.1.3 Test Bandwidth = 15

5.3.1.1.3.1 Test Channel = LCH

5.3.1.1.3.1.1 Test RB = RB1#0



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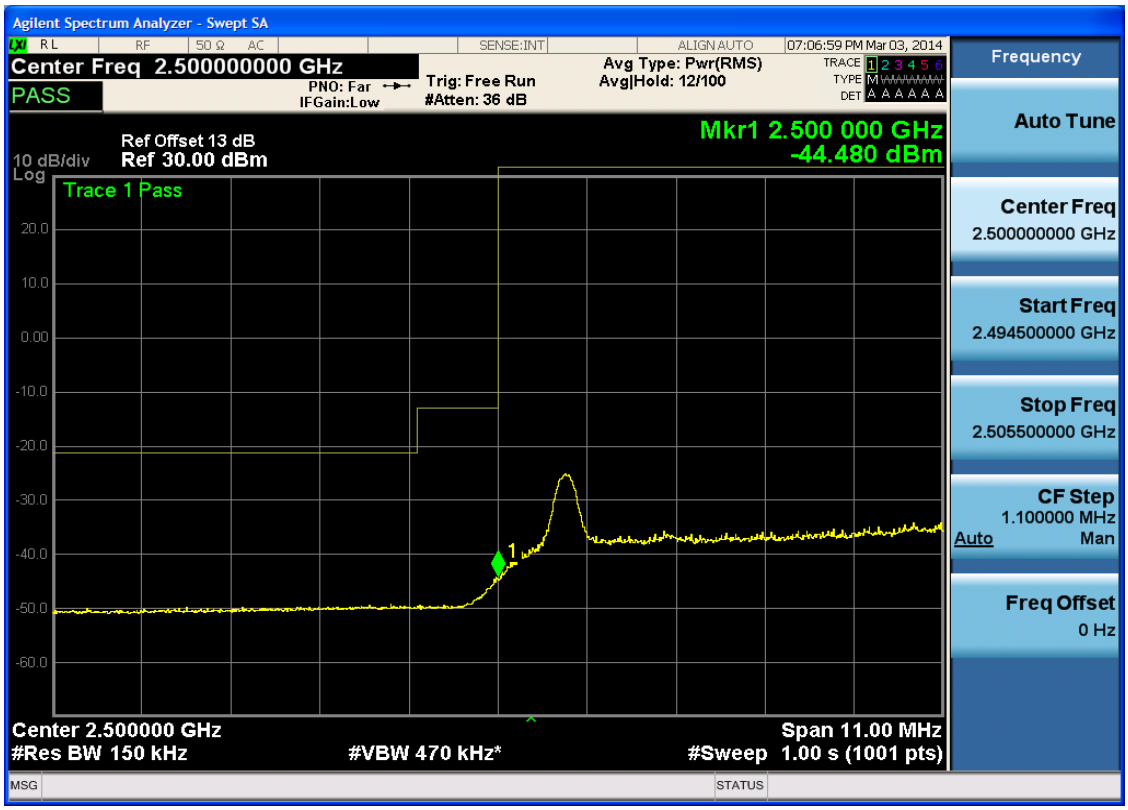
5.3.1.1.3.1.2 Test RB = RB1#74



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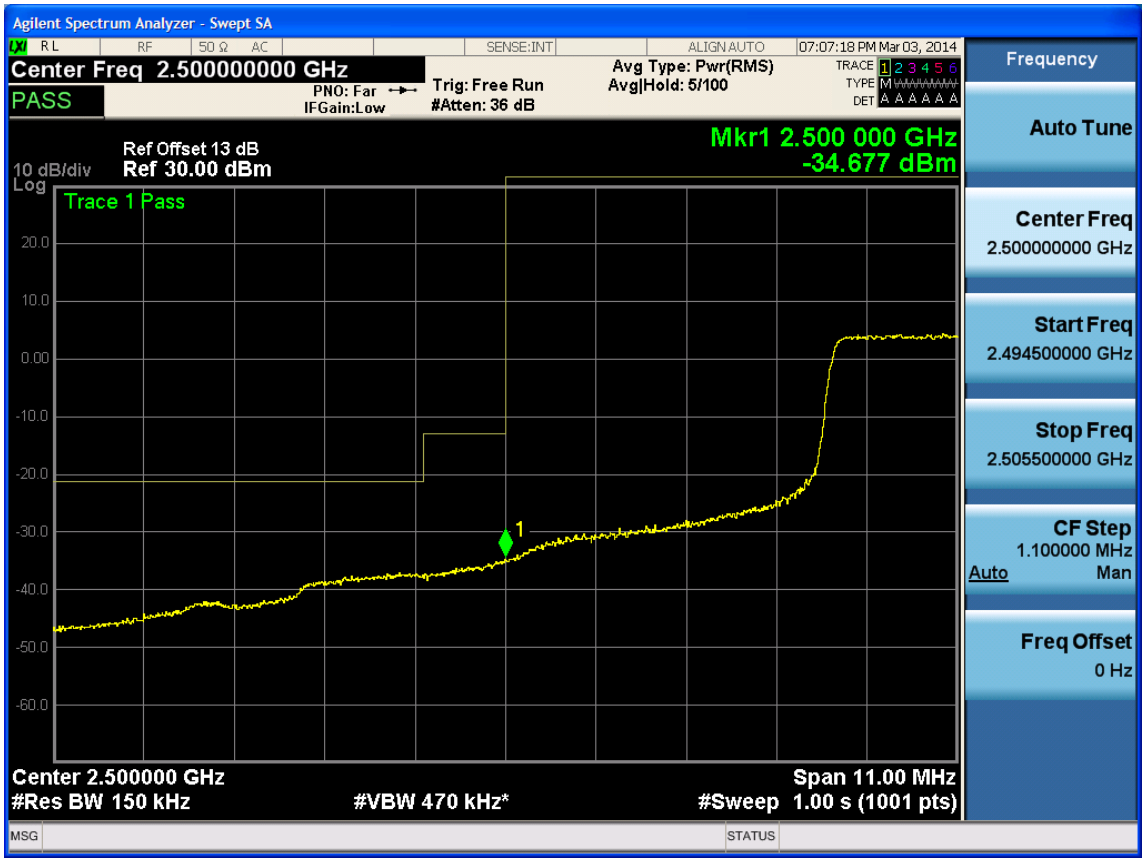
5.3.1.1.3.1.3 Test RB = RB36#18



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5.3.1.1.3.1.4 Test RB = RB75#0

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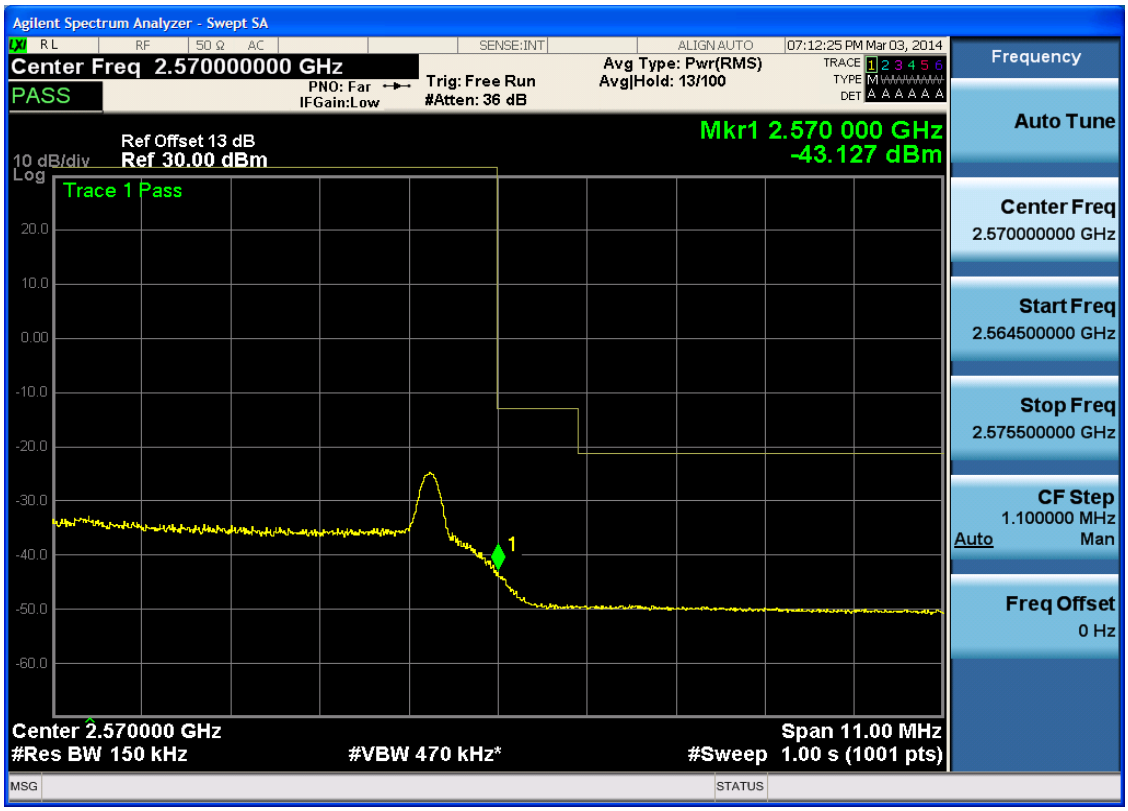
5.3.1.1.3.2 Test Channel = HCH

5.3.1.1.3.2.1 Test RB = RB1#0



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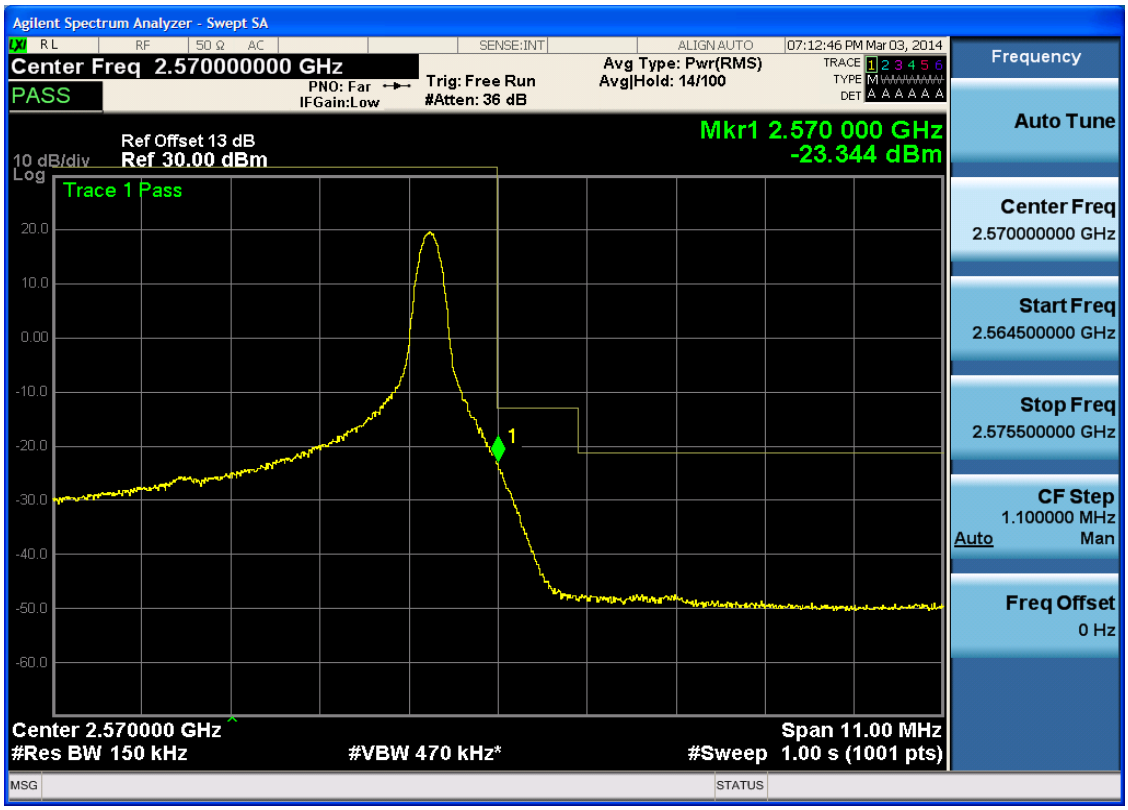
5.3.1.1.3.2.2 Test RB = RB1#74



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5.3.1.1.3.2.3 Test RB = RB36#18

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5.3.1.1.3.2.4 Test RB = RB75#0

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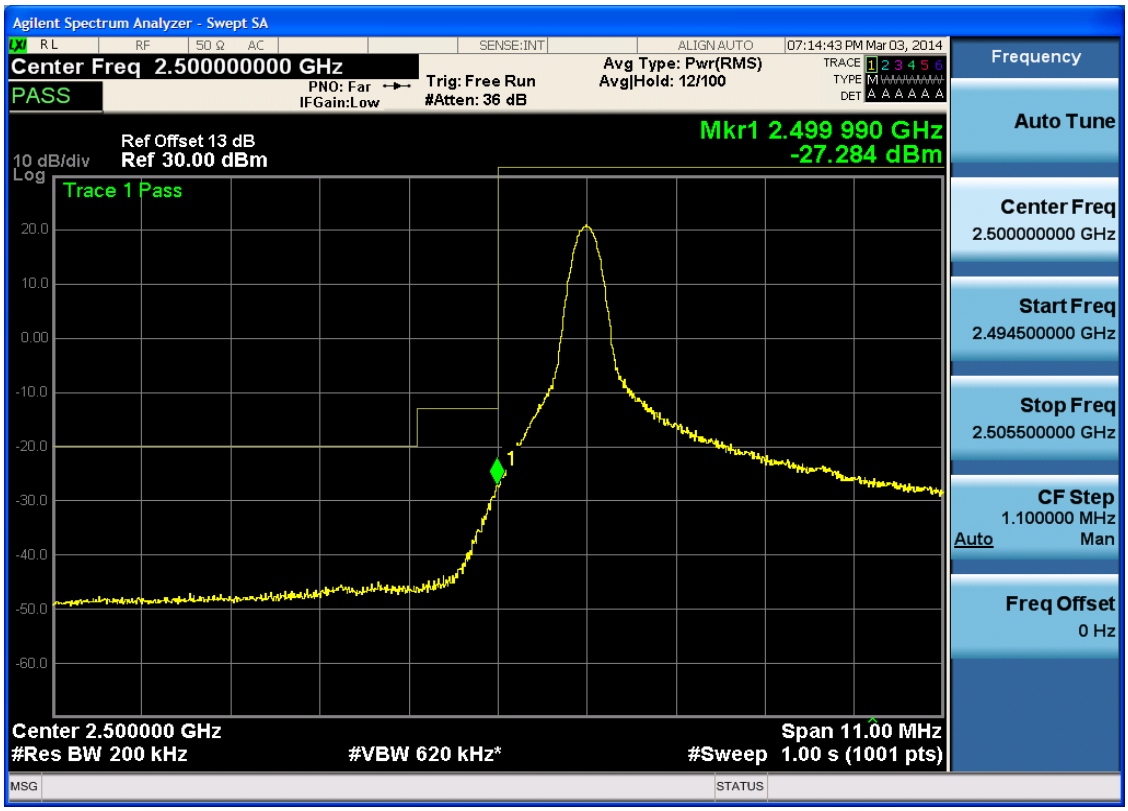
5.3.1.1.4 Test Bandwidth = 20

5.3.1.1.4.1 Test Channel = LCH

5.3.1.1.4.1.1 Test RB = RB1#0



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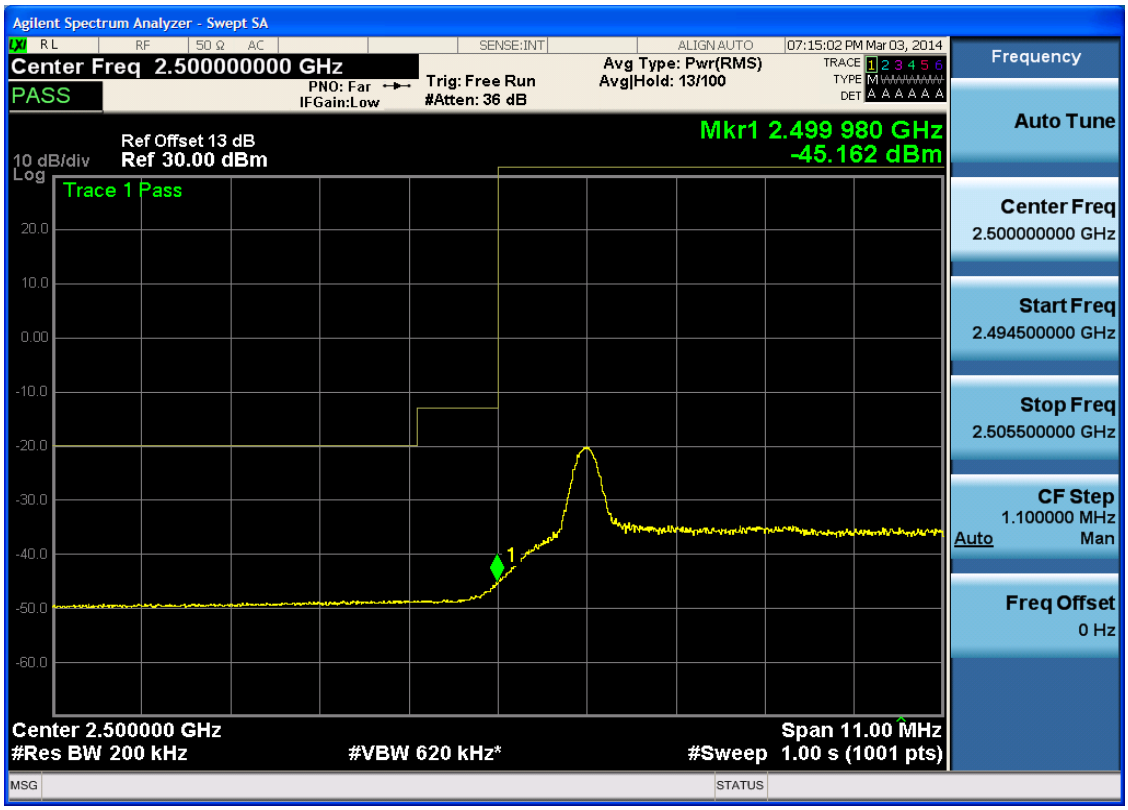
5.3.1.1.4.1.2 Test RB = RB1#99



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5.3.1.1.4.1.3 Test RB = RB50#25

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5.3.1.1.4.1.4 Test RB = RB100#0

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5.3.1.1.4.2 Test Channel = HCH

5.3.1.1.4.2.1 Test RB = RB1#0

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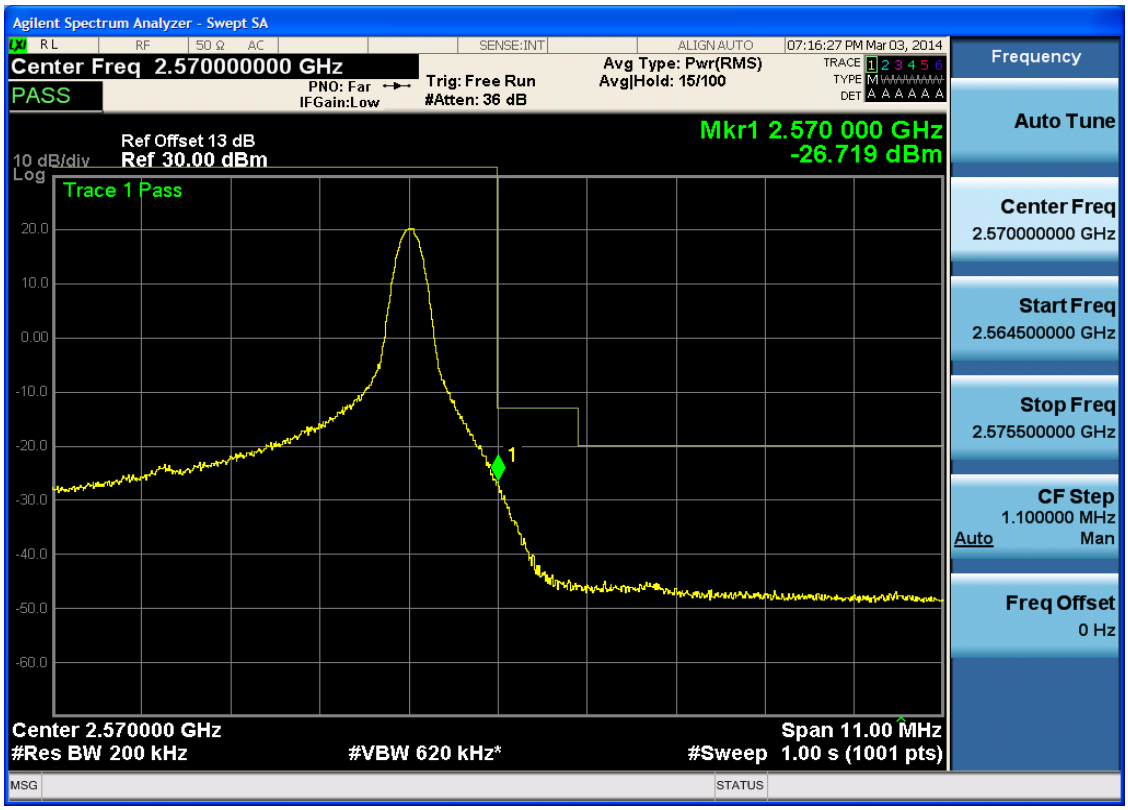
5.3.1.1.4.2.2 Test RB = RB1#99



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5.3.1.1.4.2.3 Test RB = RB50#25

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