



Appendix for test report

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	33.1	30.43	38.5	PASS
		MCH	32.89	30.22	38.5	PASS
		HCH	32.76	30.09	38.5	PASS
	GSM/TM2	LCH	26.95	24.28	38.5	PASS
		MCH	26.86	24.19	38.5	PASS
		HCH	26.84	24.17	38.5	PASS
WCDMA850	UMTS/TM1	LCH	23.47	20.8	38.5	PASS
		MCH	23.5	20.83	38.5	PASS
		HCH	23.33	20.66	38.5	PASS
Test Band	Test Mode	Test Channel	Conducted Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
GSM1900	GSM/TM1	LCH	29.72	30.25	33	PASS
		MCH	29.81	30.34	33	PASS
		HCH	29.68	30.21	33	PASS
	GSM/TM2	LCH	25.6	26.13	33	PASS
		MCH	25.58	26.11	33	PASS
		HCH	25.55	26.08	33	PASS
WCDMA1900	UMTS/TM1	LCH	23.55	24.08	33	PASS
		MCH	23.5	24.03	33	PASS
		HCH	23.5	24.03	33	PASS

Test Band	Test Mode	Test Channel	Conducted Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
WCDMA1700	UMTS/TM1	LCH	22.71	23.03	30	PASS
		MCH	22.36	22.68	30	PASS
		HCH	22.27	22.59	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	ERP/EIR P [dBm]	Limit [dBm]	Verdict
BAND2	LTE/TM1	1.4	LCH	RB1#0	22.12	22.65	33	PASS
				RB1#3	22.02	22.55	33	PASS
				RB1#5	22.01	22.54	33	PASS
				RB3#0	21.98	22.51	33	PASS
				RB3#2	21.92	22.45	33	PASS
				RB3#3	21.9	22.43	33	PASS
				RB6#0	21.37	21.9	33	PASS
			MCH	RB1#0	22.14	22.67	33	PASS
				RB1#3	22.14	22.67	33	PASS
				RB1#5	22.19	22.72	33	PASS
				RB3#0	22.28	22.81	33	PASS
				RB3#2	22.16	22.69	33	PASS
				RB3#3	22.18	22.71	33	PASS
				RB6#0	21.24	21.77	33	PASS
			HCH	RB1#0	22.24	22.77	33	PASS
				RB1#3	22.2	22.73	33	PASS
				RB1#5	22.25	22.78	33	PASS
				RB3#0	22.18	22.71	33	PASS
				RB3#2	22.16	22.69	33	PASS
				RB3#3	22.07	22.6	33	PASS
				RB6#0	21.29	21.82	33	PASS
		3	LCH	RB1#0	21.92	22.45	33	PASS
				RB1#7	21.97	22.5	33	PASS
				RB1#14	21.95	22.48	33	PASS
				RB8#0	21.14	21.67	33	PASS
				RB8#4	21.09	21.62	33	PASS
				RB8#7	21.15	21.68	33	PASS
				RB15#0	21.27	21.8	33	PASS
			MCH	RB1#0	22.16	22.69	33	PASS
				RB1#7	22.17	22.7	33	PASS
				RB1#14	22.19	22.72	33	PASS
				RB8#0	21.26	21.79	33	PASS
				RB8#4	21.18	21.71	33	PASS
				RB8#7	21.22	21.75	33	PASS
				RB15#0	21.25	21.78	33	PASS
			HCH	RB1#0	21.97	22.5	33	PASS
				RB1#7	22.07	22.6	33	PASS
				RB1#14	22.04	22.57	33	PASS
				RB8#0	21.29	21.82	33	PASS

				RB8#4	21.24	21.77	33	PASS
				RB8#7	21.15	21.68	33	PASS
				RB15#0	21.39	21.92	33	PASS
		5	LCH	RB1#0	21.97	22.5	33	PASS
				RB1#13	22.02	22.55	33	PASS
				RB1#24	22.01	22.54	33	PASS
				RB12#0	21.26	21.79	33	PASS
				RB12#6	21.13	21.66	33	PASS
				RB12#13	21.39	21.92	33	PASS
				RB25#0	21.14	21.67	33	PASS
			MCH	RB1#0	22.13	22.66	33	PASS
				RB1#13	22.02	22.55	33	PASS
				RB1#24	22.17	22.7	33	PASS
				RB12#0	21.2	21.73	33	PASS
				RB12#6	21.21	21.74	33	PASS
				RB12#13	21.13	21.66	33	PASS
				RB25#0	21.25	21.78	33	PASS
			HCH	RB1#0	22.24	22.77	33	PASS
				RB1#13	22.04	22.57	33	PASS
				RB1#24	22.09	22.62	33	PASS
				RB12#0	21.24	21.77	33	PASS
				RB12#6	21.32	21.85	33	PASS
				RB12#13	21.16	21.69	33	PASS
				RB25#0	21.26	21.79	33	PASS
		10	LCH	RB1#0	21.94	22.47	33	PASS
				RB1#25	22.15	22.68	33	PASS
				RB1#49	22.18	22.71	33	PASS
				RB25#0	21.13	21.66	33	PASS
				RB25#13	21.34	21.87	33	PASS
				RB25#25	21.2	21.73	33	PASS
				RB50#0	21.13	21.66	33	PASS
			MCH	RB1#0	22.16	22.69	33	PASS
				RB1#25	22.19	22.72	33	PASS
				RB1#49	22.19	22.72	33	PASS
				RB25#0	21.25	21.78	33	PASS
				RB25#13	21.28	21.81	33	PASS
				RB25#25	21.25	21.78	33	PASS
				RB50#0	21.23	21.76	33	PASS
			HCH	RB1#0	22.14	22.67	33	PASS
				RB1#25	22.19	22.72	33	PASS
				RB1#49	22.11	22.64	33	PASS

				RB25#0	21.4	21.93	33	PASS
				RB25#13	21.41	21.94	33	PASS
				RB25#25	21.16	21.69	33	PASS
				RB50#0	21.37	21.9	33	PASS
		15	LCH	RB1#0	21.83	22.36	33	PASS
				RB1#38	22.09	22.62	33	PASS
				RB1#74	22.06	22.59	33	PASS
				RB38#0	21.31	21.84	33	PASS
				RB38#19	21.08	21.61	33	PASS
				RB38#39	21.19	21.72	33	PASS
				RB75#0	21.13	21.66	33	PASS
			MCH	RB1#0	22.14	22.67	33	PASS
				RB1#38	22.22	22.75	33	PASS
				RB1#74	22.24	22.77	33	PASS
				RB38#0	21.23	21.76	33	PASS
				RB38#19	21.28	21.81	33	PASS
				RB38#39	21.33	21.86	33	PASS
				RB75#0	21.29	21.82	33	PASS
			HCH	RB1#0	22.26	22.79	33	PASS
				RB1#38	22.23	22.76	33	PASS
				RB1#74	22.09	22.62	33	PASS
				RB38#0	21.2	21.73	33	PASS
				RB38#19	21.52	22.05	33	PASS
				RB38#39	21.36	21.89	33	PASS
				RB75#0	21.35	21.88	33	PASS
		20	LCH	RB1#0	21.89	22.42	33	PASS
				RB1#50	22.15	22.68	33	PASS
				RB1#99	22.17	22.7	33	PASS
				RB50#0	21.2	21.73	33	PASS
				RB50#25	21.11	21.64	33	PASS
				RB50#50	21.19	21.72	33	PASS
				RB100#0	21.18	21.71	33	PASS
			MCH	RB1#0	22.15	22.68	33	PASS
				RB1#50	22.19	22.72	33	PASS
				RB1#99	22.25	22.78	33	PASS
				RB50#0	21.3	21.83	33	PASS
				RB50#25	21.17	21.7	33	PASS
				RB50#50	21.22	21.75	33	PASS
				RB100#0	21.25	21.78	33	PASS
			HCH	RB1#0	22.19	22.72	33	PASS
				RB1#50	22.29	22.82	33	PASS

	LTE/TM2			RB1#99	21.96	22.49	33	PASS
				RB50#0	21.31	21.84	33	PASS
				RB50#25	21.34	21.87	33	PASS
				RB50#50	21.31	21.84	33	PASS
				RB100#0	21.24	21.77	33	PASS
		1.4	LCH	RB1#0	21.25	21.78	33	PASS
				RB1#3	21.25	21.78	33	PASS
				RB1#5	21.26	21.79	33	PASS
				RB3#0	21.27	21.8	33	PASS
				RB3#2	21.25	21.78	33	PASS
				RB3#3	21.37	21.9	33	PASS
				RB6#0	20.43	20.96	33	PASS
			MCH	RB1#0	21.36	21.89	33	PASS
				RB1#3	21.42	21.95	33	PASS
				RB1#5	21.37	21.9	33	PASS
				RB3#0	21.48	22.01	33	PASS
				RB3#2	21.34	21.87	33	PASS
				RB3#3	21.49	22.02	33	PASS
				RB6#0	20.52	21.05	33	PASS
			HCH	RB1#0	21.12	21.65	33	PASS
				RB1#3	21.01	21.54	33	PASS
				RB1#5	21.04	21.57	33	PASS
				RB3#0	21.21	21.74	33	PASS
				RB3#2	21.24	21.77	33	PASS
				RB3#3	21.36	21.89	33	PASS
				RB6#0	20.22	20.75	33	PASS
		3	LCH	RB1#0	21.31	21.84	33	PASS
				RB1#7	21.2	21.73	33	PASS
				RB1#14	21.29	21.82	33	PASS
				RB8#0	20.36	20.89	33	PASS
				RB8#4	20.4	20.93	33	PASS
				RB8#7	20.38	20.91	33	PASS
				RB15#0	20.37	20.9	33	PASS
			MCH	RB1#0	21.42	21.95	33	PASS
				RB1#7	21.34	21.87	33	PASS
				RB1#14	21.4	21.93	33	PASS
				RB8#0	20.3	20.83	33	PASS
				RB8#4	20.4	20.93	33	PASS
				RB8#7	20.44	20.97	33	PASS
				RB15#0	20.4	20.93	33	PASS
			HCH	RB1#0	21.01	21.54	33	PASS

				RB1#7	20.97	21.5	33	PASS
				RB1#14	21.01	21.54	33	PASS
				RB8#0	20.2	20.73	33	PASS
				RB8#4	20.41	20.94	33	PASS
				RB8#7	20.41	20.94	33	PASS
				RB15#0	20.41	20.94	33	PASS
		5	LCH	RB1#0	20.93	21.46	33	PASS
				RB1#13	20.89	21.42	33	PASS
				RB1#24	20.89	21.42	33	PASS
				RB12#0	20.22	20.75	33	PASS
				RB12#6	20.31	20.84	33	PASS
				RB12#13	20.4	20.93	33	PASS
				RB25#0	20.2	20.73	33	PASS
			MCH	RB1#0	21.1	21.63	33	PASS
				RB1#13	20.97	21.5	33	PASS
				RB1#24	21.01	21.54	33	PASS
				RB12#0	20.33	20.86	33	PASS
				RB12#6	20.5	21.03	33	PASS
				RB12#13	20.5	21.03	33	PASS
				RB25#0	20.23	20.76	33	PASS
			HCH	RB1#0	21.15	21.68	33	PASS
				RB1#13	21.05	21.58	33	PASS
				RB1#24	21.1	21.63	33	PASS
				RB12#0	20.22	20.75	33	PASS
				RB12#6	20.28	20.81	33	PASS
				RB12#13	20.21	20.74	33	PASS
				RB25#0	20.19	20.72	33	PASS
		10	LCH	RB1#0	21.3	21.83	33	PASS
				RB1#25	21.35	21.88	33	PASS
				RB1#49	21.33	21.86	33	PASS
				RB25#0	20.11	20.64	33	PASS
				RB25#13	20.31	20.84	33	PASS
				RB25#25	20.29	20.82	33	PASS
				RB50#0	20.23	20.76	33	PASS
			MCH	RB1#0	21.53	22.06	33	PASS
				RB1#25	21.34	21.87	33	PASS
				RB1#49	21.28	21.81	33	PASS
				RB25#0	20.22	20.75	33	PASS
				RB25#13	20.27	20.8	33	PASS
				RB25#25	20.35	20.88	33	PASS
				RB50#0	20.43	20.96	33	PASS

			HCH	RB1#0	21.08	21.61	33	PASS
				RB1#25	21.15	21.68	33	PASS
				RB1#49	20.94	21.47	33	PASS
				RB25#0	20.41	20.94	33	PASS
				RB25#13	20.48	21.01	33	PASS
				RB25#25	20.12	20.65	33	PASS
				RB50#0	20.34	20.87	33	PASS
		15	LCH	RB1#0	21.13	21.66	33	PASS
				RB1#38	21.2	21.73	33	PASS
				RB1#74	21.26	21.79	33	PASS
				RB38#0	20.33	20.86	33	PASS
				RB38#19	20.31	20.84	33	PASS
				RB38#39	20.29	20.82	33	PASS
				RB75#0	20.26	20.79	33	PASS
			MCH	RB1#0	21.3	21.83	33	PASS
				RB1#38	21.42	21.95	33	PASS
				RB1#74	21.48	22.01	33	PASS
				RB38#0	20.38	20.91	33	PASS
				RB38#19	20.38	20.91	33	PASS
				RB38#39	20.46	20.99	33	PASS
				RB75#0	20.29	20.82	33	PASS
			HCH	RB1#0	21.13	21.66	33	PASS
				RB1#38	21.19	21.72	33	PASS
				RB1#74	21.01	21.54	33	PASS
				RB38#0	20.22	20.75	33	PASS
				RB38#19	20.46	20.99	33	PASS
				RB38#39	20.44	20.97	33	PASS
				RB75#0	20.4	20.93	33	PASS
		20	LCH	RB1#0	21.08	21.61	33	PASS
				RB1#50	21.39	21.92	33	PASS
				RB1#99	21.43	21.96	33	PASS
				RB50#0	20.29	20.82	33	PASS
				RB50#25	20.36	20.89	33	PASS
				RB50#50	20.28	20.81	33	PASS
				RB100#0	20.28	20.81	33	PASS
			MCH	RB1#0	21.42	21.95	33	PASS
				RB1#50	21.53	22.06	33	PASS
				RB1#99	21.5	22.03	33	PASS
				RB50#0	20.28	20.81	33	PASS
				RB50#25	20.26	20.79	33	PASS
				RB50#50	20.29	20.82	33	PASS

BAND4	LTE/TM1	1.4	HCH	RB100#0	20.41	20.94	33	PASS
				RB1#0	21.51	22.04	33	PASS
				RB1#50	21.73	22.26	33	PASS
				RB1#99	21.26	21.79	33	PASS
				RB50#0	20.42	20.95	33	PASS
				RB50#25	20.41	20.94	33	PASS
				RB50#50	20.36	20.89	33	PASS
				RB100#0	20.36	20.89	33	PASS
		3	LCH	RB1#0	22	22.32	30	PASS
				RB1#3	21.99	22.31	30	PASS
				RB1#5	21.9	22.22	30	PASS
				RB3#0	21.87	22.19	30	PASS
				RB3#2	21.98	22.3	30	PASS
				RB3#3	21.96	22.28	30	PASS
				RB6#0	20.92	21.24	30	PASS
			MCH	RB1#0	21.83	22.15	30	PASS
				RB1#3	21.73	22.05	30	PASS
				RB1#5	21.81	22.13	30	PASS
				RB3#0	21.81	22.13	30	PASS
				RB3#2	21.82	22.14	30	PASS
				RB3#3	21.84	22.16	30	PASS
				RB6#0	20.9	21.22	30	PASS
			HCH	RB1#0	21.72	22.04	30	PASS
				RB1#3	21.8	22.12	30	PASS
				RB1#5	21.75	22.07	30	PASS
				RB3#0	21.8	22.12	30	PASS
				RB3#2	21.92	22.24	30	PASS
				RB3#3	21.87	22.19	30	PASS
				RB6#0	21	21.32	30	PASS
			LCH	RB1#0	21.71	22.03	30	PASS
				RB1#7	21.8	22.12	30	PASS
				RB1#14	21.88	22.2	30	PASS
				RB8#0	20.82	21.14	30	PASS
				RB8#4	20.79	21.11	30	PASS
				RB8#7	20.81	21.13	30	PASS
				RB15#0	20.84	21.16	30	PASS
			MCH	RB1#0	21.76	22.08	30	PASS
				RB1#7	21.74	22.06	30	PASS
				RB1#14	21.77	22.09	30	PASS
				RB8#0	20.75	21.07	30	PASS
				RB8#4	20.8	21.12	30	PASS

				RB8#7	20.85	21.17	30	PASS
				RB15#0	20.77	21.09	30	PASS
			HCH	RB1#0	21.78	22.1	30	PASS
				RB1#7	21.79	22.11	30	PASS
				RB1#14	21.78	22.1	30	PASS
				RB8#0	21	21.32	30	PASS
				RB8#4	20.92	21.24	30	PASS
				RB8#7	20.83	21.15	30	PASS
				RB15#0	20.92	21.24	30	PASS
		5	LCH	RB1#0	21.76	22.08	30	PASS
				RB1#13	21.84	22.16	30	PASS
				RB1#24	21.83	22.15	30	PASS
				RB12#0	20.84	21.16	30	PASS
				RB12#6	20.8	21.12	30	PASS
				RB12#13	20.79	21.11	30	PASS
				RB25#0	20.9	21.22	30	PASS
			MCH	RB1#0	21.76	22.08	30	PASS
				RB1#13	21.8	22.12	30	PASS
				RB1#24	21.82	22.14	30	PASS
				RB12#0	20.9	21.22	30	PASS
				RB12#6	20.89	21.21	30	PASS
				RB12#13	20.77	21.09	30	PASS
				RB25#0	20.79	21.11	30	PASS
			HCH	RB1#0	21.88	22.2	30	PASS
				RB1#13	21.82	22.14	30	PASS
				RB1#24	21.85	22.17	30	PASS
				RB12#0	21.01	21.33	30	PASS
				RB12#6	20.92	21.24	30	PASS
				RB12#13	20.94	21.26	30	PASS
				RB25#0	20.92	21.24	30	PASS
		10	LCH	RB1#0	21.8	22.12	30	PASS
				RB1#25	21.71	22.03	30	PASS
				RB1#49	21.68	22	30	PASS
				RB25#0	20.89	21.21	30	PASS
				RB25#13	20.79	21.11	30	PASS
				RB25#25	20.66	20.98	30	PASS
				RB50#0	20.85	21.17	30	PASS
			MCH	RB1#0	21.77	22.09	30	PASS
				RB1#25	21.66	21.98	30	PASS
				RB1#49	21.65	21.97	30	PASS
				RB25#0	20.75	21.07	30	PASS

				RB25#13	20.8	21.12	30	PASS
				RB25#25	20.83	21.15	30	PASS
				RB50#0	20.8	21.12	30	PASS
			HCH	RB1#0	21.9	22.22	30	PASS
				RB1#25	21.77	22.09	30	PASS
				RB1#49	21.81	22.13	30	PASS
				RB25#0	20.97	21.29	30	PASS
				RB25#13	20.97	21.29	30	PASS
				RB25#25	20.82	21.14	30	PASS
				RB50#0	20.83	21.15	30	PASS
		15	LCH	RB1#0	21.78	22.1	30	PASS
				RB1#38	21.73	22.05	30	PASS
				RB1#74	21.79	22.11	30	PASS
				RB38#0	20.74	21.06	30	PASS
				RB38#19	20.66	20.98	30	PASS
				RB38#39	20.8	21.12	30	PASS
				RB75#0	20.62	20.94	30	PASS
			MCH	RB1#0	21.71	22.03	30	PASS
				RB1#38	21.78	22.1	30	PASS
				RB1#74	21.83	22.15	30	PASS
				RB38#0	20.72	21.04	30	PASS
				RB38#19	20.82	21.14	30	PASS
				RB38#39	20.86	21.18	30	PASS
				RB75#0	20.76	21.08	30	PASS
			HCH	RB1#0	21.91	22.23	30	PASS
				RB1#38	21.93	22.25	30	PASS
				RB1#74	21.77	22.09	30	PASS
				RB38#0	21.03	21.35	30	PASS
				RB38#19	20.92	21.24	30	PASS
				RB38#39	20.89	21.21	30	PASS
				RB75#0	20.95	21.27	30	PASS
		20	LCH	RB1#0	21.84	22.16	30	PASS
				RB1#50	21.75	22.07	30	PASS
				RB1#99	21.89	22.21	30	PASS
				RB50#0	20.76	21.08	30	PASS
				RB50#25	20.73	21.05	30	PASS
				RB50#50	20.78	21.1	30	PASS
				RB100#0	20.67	20.99	30	PASS
			MCH	RB1#0	21.79	22.11	30	PASS
				RB1#50	21.91	22.23	30	PASS
				RB1#99	21.97	22.29	30	PASS

				RB50#0	20.71	21.03	30	PASS
				RB50#25	20.85	21.17	30	PASS
				RB50#50	20.82	21.14	30	PASS
				RB100#0	20.76	21.08	30	PASS
			HCH	RB1#0	21.82	22.14	30	PASS
				RB1#50	21.9	22.22	30	PASS
				RB1#99	21.84	22.16	30	PASS
				RB50#0	20.97	21.29	30	PASS
				RB50#25	20.94	21.26	30	PASS
				RB50#50	20.92	21.24	30	PASS
				RB100#0	21.01	21.33	30	PASS
	LTE/TM2	1.4	LCH	RB1#0	20.85	21.17	30	PASS
				RB1#3	20.96	21.28	30	PASS
				RB1#5	20.97	21.29	30	PASS
				RB3#0	20.96	21.28	30	PASS
				RB3#2	20.97	21.29	30	PASS
				RB3#3	20.95	21.27	30	PASS
				RB6#0	20.22	20.54	30	PASS
			MCH	RB1#0	20.95	21.27	30	PASS
				RB1#3	20.85	21.17	30	PASS
				RB1#5	20.81	21.13	30	PASS
				RB3#0	21.01	21.33	30	PASS
				RB3#2	20.92	21.24	30	PASS
				RB3#3	21	21.32	30	PASS
				RB6#0	20.18	20.5	30	PASS
			HCH	RB1#0	20.72	21.04	30	PASS
				RB1#3	20.64	20.96	30	PASS
				RB1#5	20.65	20.97	30	PASS
				RB3#0	20.84	21.16	30	PASS
				RB3#2	21.02	21.34	30	PASS
				RB3#3	20.92	21.24	30	PASS
				RB6#0	19.9	20.22	30	PASS
		3	LCH	RB1#0	20.91	21.23	30	PASS
				RB1#7	20.98	21.3	30	PASS
				RB1#14	20.94	21.26	30	PASS
				RB8#0	19.98	20.3	30	PASS
				RB8#4	19.95	20.27	30	PASS
				RB8#7	20.02	20.34	30	PASS
				RB15#0	19.95	20.27	30	PASS
			MCH	RB1#0	21.05	21.37	30	PASS
				RB1#7	20.85	21.17	30	PASS

				RB1#14	20.88	21.2	30	PASS
				RB8#0	20.06	20.38	30	PASS
				RB8#4	19.94	20.26	30	PASS
				RB8#7	19.94	20.26	30	PASS
				RB15#0	20.07	20.39	30	PASS
			HCH	RB1#0	20.74	21.06	30	PASS
				RB1#7	20.66	20.98	30	PASS
				RB1#14	20.74	21.06	30	PASS
				RB8#0	19.99	20.31	30	PASS
				RB8#4	19.98	20.3	30	PASS
				RB8#7	19.92	20.24	30	PASS
				RB15#0	19.97	20.29	30	PASS
		5	LCH	RB1#0	20.55	20.87	30	PASS
				RB1#13	20.71	21.03	30	PASS
				RB1#24	20.72	21.04	30	PASS
				RB12#0	19.98	20.3	30	PASS
				RB12#6	19.96	20.28	30	PASS
				RB12#13	19.96	20.28	30	PASS
				RB25#0	19.88	20.2	30	PASS
			MCH	RB1#0	20.61	20.93	30	PASS
				RB1#13	20.67	20.99	30	PASS
				RB1#24	20.63	20.95	30	PASS
				RB12#0	20	20.32	30	PASS
				RB12#6	20.06	20.38	30	PASS
				RB12#13	20.02	20.34	30	PASS
				RB25#0	20.02	20.34	30	PASS
			HCH	RB1#0	20.94	21.26	30	PASS
				RB1#13	20.64	20.96	30	PASS
				RB1#24	20.71	21.03	30	PASS
				RB12#0	19.88	20.2	30	PASS
				RB12#6	19.99	20.31	30	PASS
				RB12#13	19.83	20.15	30	PASS
				RB25#0	19.89	20.21	30	PASS
		10	LCH	RB1#0	20.95	21.27	30	PASS
				RB1#25	20.88	21.2	30	PASS
				RB1#49	20.91	21.23	30	PASS
				RB25#0	19.86	20.18	30	PASS
				RB25#13	19.75	20.07	30	PASS
				RB25#25	19.78	20.1	30	PASS
				RB50#0	19.97	20.29	30	PASS
			MCH	RB1#0	21.01	21.33	30	PASS

				RB1#25	20.96	21.28	30	PASS
				RB1#49	20.88	21.2	30	PASS
				RB25#0	19.86	20.18	30	PASS
				RB25#13	19.8	20.12	30	PASS
				RB25#25	19.81	20.13	30	PASS
				RB50#0	19.95	20.27	30	PASS
			HCH	RB1#0	20.77	21.09	30	PASS
				RB1#25	20.83	21.15	30	PASS
				RB1#49	20.73	21.05	30	PASS
				RB25#0	19.87	20.19	30	PASS
				RB25#13	19.92	20.24	30	PASS
				RB25#25	19.86	20.18	30	PASS
				RB50#0	19.96	20.28	30	PASS
		15	LCH	RB1#0	21.04	21.36	30	PASS
				RB1#38	20.92	21.24	30	PASS
				RB1#74	21	21.32	30	PASS
				RB38#0	19.83	20.15	30	PASS
				RB38#19	19.74	20.06	30	PASS
				RB38#39	19.88	20.2	30	PASS
				RB75#0	19.81	20.13	30	PASS
			MCH	RB1#0	20.92	21.24	30	PASS
				RB1#38	20.9	21.22	30	PASS
				RB1#74	20.98	21.3	30	PASS
				RB38#0	19.93	20.25	30	PASS
				RB38#19	19.95	20.27	30	PASS
				RB38#39	19.89	20.21	30	PASS
				RB75#0	19.85	20.17	30	PASS
			HCH	RB1#0	20.83	21.15	30	PASS
				RB1#38	20.95	21.27	30	PASS
				RB1#74	20.65	20.97	30	PASS
				RB38#0	19.91	20.23	30	PASS
				RB38#19	19.87	20.19	30	PASS
				RB38#39	19.84	20.16	30	PASS
				RB75#0	19.85	20.17	30	PASS
		20	LCH	RB1#0	21.14	21.46	30	PASS
				RB1#50	21.08	21.4	30	PASS
				RB1#99	21.1	21.42	30	PASS
				RB50#0	19.93	20.25	30	PASS
				RB50#25	19.84	20.16	30	PASS
				RB50#50	19.85	20.17	30	PASS
				RB100#0	19.86	20.18	30	PASS

			MCH	RB1#0	20.99	21.31	30	PASS
				RB1#50	21.04	21.36	30	PASS
				RB1#99	21.26	21.58	30	PASS
				RB50#0	19.93	20.25	30	PASS
				RB50#25	20.01	20.33	30	PASS
				RB50#50	19.82	20.14	30	PASS
				RB100#0	19.9	20.22	30	PASS
			HCH	RB1#0	20.97	21.29	30	PASS
				RB1#50	21.19	21.51	30	PASS
				RB1#99	21.06	21.38	30	PASS
				RB50#0	19.98	20.3	30	PASS
				RB50#25	19.94	20.26	30	PASS
				RB50#50	19.9	20.22	30	PASS
				RB100#0	20.01	20.33	30	PASS
BAND7	LTE/TM1	5	LCH	RB1#0	22.42	22.87	33	PASS
				RB1#13	22.35	22.8	33	PASS
				RB1#24	22.35	22.8	33	PASS
				RB12#0	21.55	22	33	PASS
				RB12#6	21.52	21.97	33	PASS
				RB12#13	21.58	22.03	33	PASS
				RB25#0	21.47	21.92	33	PASS
			MCH	RB1#0	22.05	22.5	33	PASS
				RB1#13	22.04	22.49	33	PASS
				RB1#24	22.03	22.48	33	PASS
				RB12#0	21.02	21.47	33	PASS
				RB12#6	21.15	21.6	33	PASS
				RB12#13	21.06	21.51	33	PASS
				RB25#0	21.22	21.67	33	PASS
			HCH	RB1#0	22.13	22.58	33	PASS
				RB1#13	22.08	22.53	33	PASS
				RB1#24	22.18	22.63	33	PASS
				RB12#0	21.22	21.67	33	PASS
				RB12#6	21.1	21.55	33	PASS
				RB12#13	21.12	21.57	33	PASS
				RB25#0	21.2	21.65	33	PASS
		10	LCH	RB1#0	22.38	22.83	33	PASS
				RB1#25	22.37	22.82	33	PASS
				RB1#49	22.06	22.51	33	PASS
				RB25#0	21.45	21.9	33	PASS
				RB25#13	21.55	22	33	PASS
				RB25#25	21.15	21.6	33	PASS

				RB50#0	21.27	21.72	33	PASS
			MCH	RB1#0	21.92	22.37	33	PASS
				RB1#25	22	22.45	33	PASS
				RB1#49	22.12	22.57	33	PASS
				RB25#0	20.96	21.41	33	PASS
				RB25#13	21.08	21.53	33	PASS
				RB25#25	21.15	21.6	33	PASS
				RB50#0	21.15	21.6	33	PASS
			HCH	RB1#0	22.14	22.59	33	PASS
				RB1#25	22.14	22.59	33	PASS
				RB1#49	22.06	22.51	33	PASS
				RB25#0	21.21	21.66	33	PASS
				RB25#13	21.09	21.54	33	PASS
				RB25#25	21.14	21.59	33	PASS
				RB50#0	21.19	21.64	33	PASS
		15	LCH	RB1#0	22.34	22.79	33	PASS
				RB1#38	22.2	22.65	33	PASS
				RB1#74	21.89	22.34	33	PASS
				RB36#0	21.46	21.91	33	PASS
				RB36#18	21.28	21.73	33	PASS
				RB36#39	21.08	21.53	33	PASS
				RB75#0	21.26	21.71	33	PASS
			MCH	RB1#0	21.89	22.34	33	PASS
				RB1#38	22.01	22.46	33	PASS
				RB1#74	22.09	22.54	33	PASS
				RB36#0	21.01	21.46	33	PASS
				RB36#18	21.12	21.57	33	PASS
				RB36#39	21.07	21.52	33	PASS
				RB75#0	21.13	21.58	33	PASS
			HCH	RB1#0	22.3	22.75	33	PASS
				RB1#38	22.25	22.7	33	PASS
				RB1#74	22.18	22.63	33	PASS
				RB36#0	21.29	21.74	33	PASS
				RB36#18	21.13	21.58	33	PASS
				RB36#39	21.13	21.58	33	PASS
				RB75#0	21.14	21.59	33	PASS
		20	LCH	RB1#0	22.43	22.88	33	PASS
				RB1#50	22.03	22.48	33	PASS
				RB1#99	22.08	22.53	33	PASS
				RB50#0	21.26	21.71	33	PASS
				RB50#25	21.1	21.55	33	PASS

				RB50#50	21.01	21.46	33	PASS
				RB100#0	21.2	21.65	33	PASS
			MCH	RB1#0	22.09	22.54	33	PASS
				RB1#50	22.11	22.56	33	PASS
				RB1#99	22.02	22.47	33	PASS
				RB50#0	21	21.45	33	PASS
				RB50#25	21.15	21.6	33	PASS
				RB50#50	21.05	21.5	33	PASS
				RB100#0	20.99	21.44	33	PASS
			HCH	RB1#0	22.12	22.57	33	PASS
				RB1#50	22.25	22.7	33	PASS
				RB1#99	22.2	22.65	33	PASS
				RB50#0	21.29	21.74	33	PASS
				RB50#25	21.27	21.72	33	PASS
				RB50#50	21.14	21.59	33	PASS
				RB100#0	21.21	21.66	33	PASS
	LTE/TM2	5	LCH	RB1#0	21.14	21.59	33	PASS
				RB1#13	21.1	21.55	33	PASS
				RB1#24	21.33	21.78	33	PASS
				RB12#0	20.47	20.92	33	PASS
				RB12#6	20.46	20.91	33	PASS
				RB12#13	20.34	20.79	33	PASS
				RB25#0	20.39	20.84	33	PASS
			MCH	RB1#0	20.91	21.36	33	PASS
				RB1#13	21.01	21.46	33	PASS
				RB1#24	21.07	21.52	33	PASS
				RB12#0	20.19	20.64	33	PASS
				RB12#6	20.29	20.74	33	PASS
				RB12#13	20.19	20.64	33	PASS
				RB25#0	20.2	20.65	33	PASS
			HCH	RB1#0	20.94	21.39	33	PASS
				RB1#13	20.94	21.39	33	PASS
				RB1#24	21.05	21.5	33	PASS
				RB12#0	20.16	20.61	33	PASS
				RB12#6	20	20.45	33	PASS
				RB12#13	20.2	20.65	33	PASS
				RB25#0	20.05	20.5	33	PASS
		10	LCH	RB1#0	21.64	22.09	33	PASS
				RB1#25	21.63	22.08	33	PASS
				RB1#49	21.17	21.62	33	PASS
				RB25#0	20.31	20.76	33	PASS

				RB25#13	20.5	20.95	33	PASS
				RB25#25	20.15	20.6	33	PASS
				RB50#0	20.26	20.71	33	PASS
			MCH	RB1#0	21.24	21.69	33	PASS
				RB1#25	21.24	21.69	33	PASS
				RB1#49	21.32	21.77	33	PASS
				RB25#0	20.11	20.56	33	PASS
				RB25#13	20.03	20.48	33	PASS
				RB25#25	20.16	20.61	33	PASS
				RB50#0	20.24	20.69	33	PASS
			HCH	RB1#0	21.03	21.48	33	PASS
				RB1#25	21.06	21.51	33	PASS
				RB1#49	21.04	21.49	33	PASS
				RB25#0	20.24	20.69	33	PASS
				RB25#13	20.02	20.47	33	PASS
				RB25#25	20.13	20.58	33	PASS
				RB50#0	20.26	20.71	33	PASS
		15	LCH	RB1#0	21.52	21.97	33	PASS
				RB1#38	21.44	21.89	33	PASS
				RB1#74	21.22	21.67	33	PASS
				RB36#0	20.49	20.94	33	PASS
				RB36#18	20.43	20.88	33	PASS
				RB36#39	20.28	20.73	33	PASS
				RB75#0	20.3	20.75	33	PASS
			MCH	RB1#0	21.21	21.66	33	PASS
				RB1#38	21.3	21.75	33	PASS
				RB1#74	21.35	21.8	33	PASS
				RB36#0	20.04	20.49	33	PASS
				RB36#18	20.1	20.55	33	PASS
				RB36#39	20.21	20.66	33	PASS
				RB75#0	20.09	20.54	33	PASS
			HCH	RB1#0	21.19	21.64	33	PASS
				RB1#38	21.03	21.48	33	PASS
				RB1#74	21.07	21.52	33	PASS
				RB36#0	20.24	20.69	33	PASS
				RB36#18	20.07	20.52	33	PASS
				RB36#39	20.12	20.57	33	PASS
				RB75#0	20.12	20.57	33	PASS
		20	LCH	RB1#0	21.62	22.07	33	PASS
				RB1#50	21.17	21.62	33	PASS
				RB1#99	21.28	21.73	33	PASS

				RB50#0	20.13	20.58	33	PASS
				RB50#25	20.1	20.55	33	PASS
				RB50#50	20.05	20.5	33	PASS
				RB100#0	20.25	20.7	33	PASS
			MCH	RB1#0	21.28	21.73	33	PASS
				RB1#50	21.29	21.74	33	PASS
				RB1#99	21.21	21.66	33	PASS
				RB50#0	20.2	20.65	33	PASS
				RB50#25	20.12	20.57	33	PASS
				RB50#50	20.14	20.59	33	PASS
				RB100#0	20.18	20.63	33	PASS
			HCH	RB1#0	21.36	21.81	33	PASS
				RB1#50	21.67	22.12	33	PASS
				RB1#99	21.53	21.98	33	PASS
				RB50#0	20.44	20.89	33	PASS
				RB50#25	20.36	20.81	33	PASS
				RB50#50	20.2	20.65	33	PASS
				RB100#0	20.29	20.74	33	PASS

Note1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b, SGP=Signal Generator Level

Note2: RBW > emission bandwidth, VBW > 3 x RBW.

Detector: RMS

2Appendix_B: Peak-to-Average Ratio

Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
GSM850	GSM/TM1	LCH	0.18	13	PASS
		MCH	0.16	13	PASS
		HCH	0.16	13	PASS
	GSM/TM2	LCH	3.22	13	PASS
		MCH	3.14	13	PASS
		HCH	3.08	13	PASS
GSM1900	GSM/TM1	LCH	0.19	13	PASS
		MCH	0.18	13	PASS
		HCH	0.17	13	PASS
	GSM/TM2	LCH	3.28	13	PASS
		MCH	3.24	13	PASS
		HCH	3.21	13	PASS
Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
WCDMA850	UMTS/TM1	LCH	2.61	13	PASS
		MCH	3.2	13	PASS
		HCH	2.94	13	PASS
WCDMA850	UMTS/TM1	LCH	3.02	13	PASS
		MCH	3.21	13	PASS
		HCH	3.07	13	PASS
WCDMA1900	UMTS/TM1	LCH	3.53	13	PASS
		MCH	3.58	13	PASS
		HCH	3.13	13	PASS
WCDMA1700	UMTS/TM1	LCH	3.15	13	PASS
		MCH	3.53	13	PASS
		HCH	3.17	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND2	LTE/TM1	1.4	LCH	RB1#0	4.51	13	PASS
				RB1#3	4.56	13	PASS
				RB1#5	4.53	13	PASS
				RB3#0	5.19	13	PASS
				RB3#2	5.2	13	PASS
				RB3#3	5.27	13	PASS
				RB6#0	6.4	13	PASS
			MCH	RB1#0	4.69	13	PASS
				RB1#3	4.6	13	PASS
				RB1#5	4.63	13	PASS
				RB3#0	5.36	13	PASS
				RB3#2	5.15	13	PASS
				RB3#3	5.31	13	PASS
				RB6#0	6.13	13	PASS
			HCH	RB1#0	4	13	PASS
				RB1#3	3.83	13	PASS
				RB1#5	3.95	13	PASS
				RB3#0	4.02	13	PASS
				RB3#2	3.88	13	PASS
				RB3#3	4.01	13	PASS
				RB6#0	5.27	13	PASS
		3	LCH	RB1#0	4.77	13	PASS
				RB1#7	4.68	13	PASS
				RB1#14	4.62	13	PASS
				RB8#0	6.07	13	PASS
				RB8#4	6	13	PASS
				RB8#7	5.73	13	PASS
				RB15#0	5.52	13	PASS
			MCH	RB1#0	4.8	13	PASS
				RB1#7	4.6	13	PASS
				RB1#14	4.65	13	PASS
				RB8#0	5.98	13	PASS
				RB8#4	5.97	13	PASS
				RB8#7	6.1	13	PASS
				RB15#0	6.23	13	PASS
			HCH	RB1#0	4.1	13	PASS
				RB1#7	3.95	13	PASS
				RB1#14	3.79	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB8#0	5.49	13	PASS
				RB8#4	5.08	13	PASS
				RB8#7	5.1	13	PASS
				RB15#0	5.45	13	PASS
			LCH	RB1#0	4.74	13	PASS
				RB1#13	4.51	13	PASS
				RB1#24	4.47	13	PASS
				RB12#0	5.82	13	PASS
				RB12#6	5.69	13	PASS
				RB12#13	5.77	13	PASS
				RB25#0	5.95	13	PASS
		5	MCH	RB1#0	4.72	13	PASS
				RB1#13	4.59	13	PASS
				RB1#24	4.57	13	PASS
				RB12#0	5.97	13	PASS
				RB12#6	5.75	13	PASS
				RB12#13	5.9	13	PASS
				RB25#0	6.2	13	PASS
			HCH	RB1#0	4.31	13	PASS
				RB1#13	4.01	13	PASS
				RB1#24	3.81	13	PASS
				RB12#0	5.56	13	PASS
				RB12#6	5.13	13	PASS
				RB12#13	5.27	13	PASS
				RB25#0	5.62	13	PASS
		10	LCH	RB1#0	4.86	13	PASS
				RB1#25	4.38	13	PASS
				RB1#49	4.23	13	PASS
				RB25#0	5.67	13	PASS
				RB25#13	5.49	13	PASS
				RB25#25	5.42	13	PASS
				RB50#0	5.91	13	PASS
			MCH	RB1#0	4.8	13	PASS
				RB1#25	4.63	13	PASS
				RB1#49	4.56	13	PASS
				RB25#0	5.92	13	PASS
				RB25#13	5.87	13	PASS
				RB25#25	5.76	13	PASS
				RB50#0	6.13	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			HCH	RB1#0	4.35	13	PASS
				RB1#25	4.14	13	PASS
				RB1#49	3.77	13	PASS
				RB25#0	5.52	13	PASS
				RB25#13	5.31	13	PASS
				RB25#25	5.46	13	PASS
				RB50#0	5.91	13	PASS
		15	LCH	RB1#0	4.89	13	PASS
				RB1#38	4.18	13	PASS
				RB1#74	4.44	13	PASS
				RB38#0	5.82	13	PASS
				RB38#19	5.45	13	PASS
				RB38#39	5.53	13	PASS
				RB75#0	6.29	13	PASS
			MCH	RB1#0	4.79	13	PASS
				RB1#38	4.56	13	PASS
				RB1#74	4.45	13	PASS
				RB38#0	5.99	13	PASS
				RB38#19	5.94	13	PASS
				RB38#39	5.88	13	PASS
				RB75#0	6.44	13	PASS
			HCH	RB1#0	4.44	13	PASS
				RB1#38	4.31	13	PASS
				RB1#74	3.92	13	PASS
				RB38#0	5.59	13	PASS
				RB38#19	5.41	13	PASS
				RB38#39	5.3	13	PASS
				RB75#0	5.93	13	PASS
		20	LCH	RB1#0	5.08	13	PASS
				RB1#50	4.36	13	PASS
				RB1#99	4.9	13	PASS
				RB50#0	5.76	13	PASS
				RB50#25	5.63	13	PASS
				RB50#50	5.79	13	PASS
				RB100#0	5.82	13	PASS
			MCH	RB1#0	4.95	13	PASS
				RB1#50	4.87	13	PASS
				RB1#99	4.6	13	PASS
				RB50#0	6.14	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#25	6.03	13	PASS
				RB50#50	5.93	13	PASS
				RB100#0	6.12	13	PASS
			HCH	RB1#0	4.49	13	PASS
				RB1#50	4.42	13	PASS
				RB1#99	4.1	13	PASS
				RB50#0	5.76	13	PASS
				RB50#25	5.49	13	PASS
				RB50#50	5.47	13	PASS
				RB100#0	6.02	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	5.88	13	PASS
				RB1#3	5.76	13	PASS
				RB1#5	5.76	13	PASS
				RB3#0	6.18	13	PASS
				RB3#2	6.06	13	PASS
				RB3#3	6.19	13	PASS
				RB6#0	6.61	13	PASS
			MCH	RB1#0	5.82	13	PASS
				RB1#3	5.73	13	PASS
				RB1#5	5.77	13	PASS
				RB3#0	6.03	13	PASS
				RB3#2	5.92	13	PASS
				RB3#3	6.07	13	PASS
				RB6#0	6.52	13	PASS
		3	HCH	RB1#0	5.16	13	PASS
				RB1#3	5.05	13	PASS
				RB1#5	4.97	13	PASS
				RB3#0	5.05	13	PASS
				RB3#2	4.71	13	PASS
				RB3#3	4.79	13	PASS
				RB6#0	5.89	13	PASS
			LCH	RB1#0	5.83	13	PASS
				RB1#7	5.72	13	PASS
				RB1#14	5.64	13	PASS
				RB8#0	6.6	13	PASS
				RB8#4	6.47	13	PASS
				RB8#7	6.56	13	PASS
				RB15#0	6.88	13	PASS
			MCH	RB1#0	5.73	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#7	5.76	13	PASS
				RB1#14	5.73	13	PASS
				RB8#0	6.69	13	PASS
				RB8#4	6.49	13	PASS
				RB8#7	6.57	13	PASS
				RB15#0	6.84	13	PASS
			HCH	RB1#0	5.14	13	PASS
				RB1#7	4.97	13	PASS
				RB1#14	4.87	13	PASS
				RB8#0	5.8	13	PASS
				RB8#4	5.71	13	PASS
				RB8#7	5.61	13	PASS
				RB15#0	6.07	13	PASS
		5	LCH	RB1#0	5.97	13	PASS
				RB1#13	5.76	13	PASS
				RB1#24	5.69	13	PASS
				RB12#0	6.76	13	PASS
				RB12#6	6.58	13	PASS
				RB12#13	6.39	13	PASS
				RB25#0	7.2	13	PASS
			MCH	RB1#0	5.99	13	PASS
				RB1#13	5.85	13	PASS
				RB1#24	5.85	13	PASS
				RB12#0	6.69	13	PASS
				RB12#6	6.59	13	PASS
				RB12#13	6.66	13	PASS
				RB25#0	7.41	13	PASS
			HCH	RB1#0	4.7	13	PASS
				RB1#13	4.36	13	PASS
				RB1#24	4.24	13	PASS
				RB12#0	6.2	13	PASS
				RB12#6	6.08	13	PASS
				RB12#13	6.14	13	PASS
				RB25#0	6.77	13	PASS
		10	LCH	RB1#0	6.23	13	PASS
				RB1#25	5.67	13	PASS
				RB1#49	5.56	13	PASS
				RB25#0	7.04	13	PASS
				RB25#13	6.45	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#25	6.66	13	PASS
				RB50#0	7.16	13	PASS
			MCH	RB1#0	6.21	13	PASS
				RB1#25	6.12	13	PASS
				RB1#49	6	13	PASS
				RB25#0	7.23	13	PASS
				RB25#13	6.92	13	PASS
				RB25#25	6.96	13	PASS
				RB50#0	7.17	13	PASS
			HCH	RB1#0	5.57	13	PASS
				RB1#25	5.37	13	PASS
				RB1#49	5.02	13	PASS
				RB25#0	6.59	13	PASS
				RB25#13	6.31	13	PASS
				RB25#25	6.29	13	PASS
				RB50#0	6.69	13	PASS
		15	LCH	RB1#0	6.27	13	PASS
				RB1#38	5.49	13	PASS
				RB1#74	5.83	13	PASS
				RB38#0	6.85	13	PASS
				RB38#19	6.46	13	PASS
				RB38#39	6.53	13	PASS
				RB75#0	6.95	13	PASS
			MCH	RB1#0	6.21	13	PASS
				RB1#38	6.04	13	PASS
				RB1#74	5.9	13	PASS
				RB38#0	7.09	13	PASS
				RB38#19	6.97	13	PASS
				RB38#39	6.81	13	PASS
				RB75#0	7.19	13	PASS
			HCH	RB1#0	5.64	13	PASS
				RB1#38	5.49	13	PASS
				RB1#74	5.04	13	PASS
				RB38#0	6.59	13	PASS
				RB38#19	6.46	13	PASS
				RB38#39	6.49	13	PASS
				RB75#0	6.74	13	PASS
		20	LCH	RB1#0	5.19	13	PASS
				RB1#50	4.69	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#99	5.16	13	PASS
				RB50#0	6.67	13	PASS
				RB50#25	6.58	13	PASS
				RB50#50	6.66	13	PASS
				RB100#0	6.8	13	PASS
			MCH	RB1#0	5.07	13	PASS
				RB1#50	4.95	13	PASS
				RB1#99	4.83	13	PASS
				RB50#0	7.26	13	PASS
				RB50#25	7.05	13	PASS
				RB50#50	6.9	13	PASS
				RB100#0	7.1	13	PASS
			HCH	RB1#0	5.3	13	PASS
				RB1#50	5.16	13	PASS
				RB1#99	4.8	13	PASS
				RB50#0	6.47	13	PASS
				RB50#25	6.42	13	PASS
				RB50#50	6.35	13	PASS
				RB100#0	6.61	13	PASS
BAND4	LTE/TM1	1.4	LCH	RB1#0	4.74	13	PASS
				RB1#3	4.68	13	PASS
				RB1#5	4.69	13	PASS
				RB3#0	5.6	13	PASS
				RB3#2	5.52	13	PASS
				RB3#3	5.57	13	PASS
				RB6#0	6.58	13	PASS
			MCH	RB1#0	4.65	13	PASS
				RB1#3	4.68	13	PASS
				RB1#5	4.69	13	PASS
				RB3#0	5.49	13	PASS
				RB3#2	5.49	13	PASS
				RB3#3	5.56	13	PASS
				RB6#0	6.73	13	PASS
			HCH	RB1#0	4.66	13	PASS
				RB1#3	4.47	13	PASS
				RB1#5	4.51	13	PASS
				RB3#0	5.33	13	PASS
				RB3#2	5.17	13	PASS
				RB3#3	5.2	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		3	LCH	RB6#0	6.01	13	PASS
				RB1#0	5.02	13	PASS
				RB1#7	4.84	13	PASS
				RB1#14	4.92	13	PASS
				RB8#0	6.25	13	PASS
				RB8#4	5.96	13	PASS
				RB8#7	6.05	13	PASS
				RB15#0	5.74	13	PASS
			MCH	RB1#0	4.82	13	PASS
				RB1#7	4.89	13	PASS
				RB1#14	4.93	13	PASS
				RB8#0	6.06	13	PASS
				RB8#4	6.09	13	PASS
				RB8#7	6.08	13	PASS
				RB15#0	5.68	13	PASS
			HCH	RB1#0	4.67	13	PASS
				RB1#7	4.52	13	PASS
				RB1#14	4.58	13	PASS
				RB8#0	5.9	13	PASS
				RB8#4	5.69	13	PASS
				RB8#7	5.84	13	PASS
				RB15#0	6.22	13	PASS
		5	LCH	RB1#0	4.97	13	PASS
				RB1#13	4.62	13	PASS
				RB1#24	4.75	13	PASS
				RB12#0	6.06	13	PASS
				RB12#6	5.97	13	PASS
				RB12#13	6.02	13	PASS
				RB25#0	6.39	13	PASS
			MCH	RB1#0	4.71	13	PASS
				RB1#13	4.7	13	PASS
				RB1#24	4.82	13	PASS
				RB12#0	5.78	13	PASS
				RB12#6	5.78	13	PASS
				RB12#13	5.98	13	PASS
				RB25#0	6	13	PASS
			HCH	RB1#0	4.99	13	PASS
				RB1#13	4.81	13	PASS
				RB1#24	4.73	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB12#0	6.05	13	PASS
				RB12#6	5.87	13	PASS
				RB12#13	5.98	13	PASS
				RB25#0	6.1	13	PASS
		10	LCH	RB1#0	5.13	13	PASS
				RB1#25	4.68	13	PASS
				RB1#49	4.71	13	PASS
				RB25#0	6.05	13	PASS
				RB25#13	5.81	13	PASS
				RB25#25	5.62	13	PASS
				RB50#0	6.12	13	PASS
			MCH	RB1#0	4.68	13	PASS
				RB1#25	4.82	13	PASS
				RB1#49	5.04	13	PASS
				RB25#0	5.78	13	PASS
				RB25#13	5.95	13	PASS
				RB25#25	6.14	13	PASS
				RB50#0	6.2	13	PASS
			HCH	RB1#0	4.89	13	PASS
				RB1#25	4.66	13	PASS
				RB1#49	4.59	13	PASS
				RB25#0	6.24	13	PASS
				RB25#13	5.95	13	PASS
				RB25#25	6	13	PASS
				RB50#0	6.14	13	PASS
		15	LCH	RB1#0	5.05	13	PASS
				RB1#38	4.6	13	PASS
				RB1#74	4.64	13	PASS
				RB38#0	6.13	13	PASS
				RB38#19	5.74	13	PASS
				RB38#39	5.69	13	PASS
				RB75#0	6.49	13	PASS
			MCH	RB1#0	4.58	13	PASS
				RB1#38	4.79	13	PASS
				RB1#74	5.11	13	PASS
				RB38#0	5.96	13	PASS
				RB38#19	6.06	13	PASS
				RB38#39	6.31	13	PASS
				RB75#0	6.82	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			HCH	RB1#0	5.22	13	PASS
				RB1#38	4.99	13	PASS
				RB1#74	4.78	13	PASS
				RB38#0	6.23	13	PASS
				RB38#19	6.09	13	PASS
				RB38#39	5.96	13	PASS
				RB75#0	6.4	13	PASS
		20	LCH	RB1#0	5.56	13	PASS
				RB1#50	4.72	13	PASS
				RB1#99	5.03	13	PASS
				RB50#0	5.91	13	PASS
				RB50#25	5.33	13	PASS
				RB50#50	5.96	13	PASS
				RB100#0	5.94	13	PASS
			MCH	RB1#0	4.89	13	PASS
				RB1#50	5.22	13	PASS
				RB1#99	5.45	13	PASS
				RB50#0	6.06	13	PASS
				RB50#25	6.18	13	PASS
				RB50#50	6.53	13	PASS
				RB100#0	6.23	13	PASS
			HCH	RB1#0	5.38	13	PASS
				RB1#50	5.36	13	PASS
				RB1#99	4.93	13	PASS
				RB50#0	6.59	13	PASS
				RB50#25	6.38	13	PASS
				RB50#50	6.23	13	PASS
				RB100#0	6.56	13	PASS
	LTE/TM2	1.4	LCH	RB1#0	6.1	13	PASS
				RB1#3	6.03	13	PASS
				RB1#5	5.91	13	PASS
				RB3#0	6.64	13	PASS
				RB3#2	6.45	13	PASS
				RB3#3	6.56	13	PASS
				RB6#0	6.45	13	PASS
			MCH	RB1#0	5.83	13	PASS
				RB1#3	5.89	13	PASS
				RB1#5	5.86	13	PASS
				RB3#0	6.41	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB3#2	6.32	13	PASS
				RB3#3	6.47	13	PASS
				RB6#0	6.58	13	PASS
			HCH	RB1#0	5.77	13	PASS
				RB1#3	5.62	13	PASS
				RB1#5	5.62	13	PASS
				RB3#0	5.92	13	PASS
				RB3#2	5.6	13	PASS
				RB3#3	5.79	13	PASS
				RB6#0	6	13	PASS
		3	LCH	RB1#0	6.25	13	PASS
				RB1#7	6.04	13	PASS
				RB1#14	6.07	13	PASS
				RB8#0	6.46	13	PASS
				RB8#4	6.25	13	PASS
				RB8#7	6.29	13	PASS
				RB15#0	6.69	13	PASS
			MCH	RB1#0	5.93	13	PASS
				RB1#7	5.96	13	PASS
				RB1#14	6.02	13	PASS
				RB8#0	6.75	13	PASS
				RB8#4	6.65	13	PASS
				RB8#7	6.67	13	PASS
				RB15#0	7.14	13	PASS
			HCH	RB1#0	5.67	13	PASS
				RB1#7	5.57	13	PASS
				RB1#14	5.56	13	PASS
				RB8#0	5.96	13	PASS
				RB8#4	5.52	13	PASS
				RB8#7	5.68	13	PASS
				RB15#0	6.64	13	PASS
		5	LCH	RB1#0	6.1	13	PASS
				RB1#13	5.54	13	PASS
				RB1#24	5.81	13	PASS
				RB12#0	6.37	13	PASS
				RB12#6	6.16	13	PASS
				RB12#13	6.35	13	PASS
				RB25#0	6.72	13	PASS
			MCH	RB1#0	5.87	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#13	5.88	13	PASS
				RB1#24	6.01	13	PASS
				RB12#0	6.58	13	PASS
				RB12#6	6.54	13	PASS
				RB12#13	6.63	13	PASS
				RB25#0	7.5	13	PASS
			HCH	RB1#0	5.03	13	PASS
				RB1#13	4.83	13	PASS
				RB1#24	4.88	13	PASS
				RB12#0	6.46	13	PASS
				RB12#6	6.03	13	PASS
				RB12#13	6.21	13	PASS
				RB25#0	7.17	13	PASS
		10	LCH	RB1#0	6.46	13	PASS
				RB1#25	5.8	13	PASS
				RB1#49	6.01	13	PASS
				RB25#0	6.76	13	PASS
				RB25#13	6.38	13	PASS
				RB25#25	6.4	13	PASS
				RB50#0	6.91	13	PASS
			MCH	RB1#0	6.01	13	PASS
				RB1#25	6.26	13	PASS
				RB1#49	6.64	13	PASS
				RB25#0	7.09	13	PASS
				RB25#13	7.16	13	PASS
				RB25#25	7.42	13	PASS
				RB50#0	7.25	13	PASS
			HCH	RB1#0	6.16	13	PASS
				RB1#25	5.79	13	PASS
				RB1#49	5.71	13	PASS
				RB25#0	7.19	13	PASS
				RB25#13	6.98	13	PASS
				RB25#25	6.59	13	PASS
				RB50#0	6.9	13	PASS
		15	LCH	RB1#0	6.49	13	PASS
				RB1#38	5.74	13	PASS
				RB1#74	5.86	13	PASS
				RB38#0	6.61	13	PASS
				RB38#19	6.3	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB38#39	6.25	13	PASS
				RB75#0	6.73	13	PASS
			MCH	RB1#0	6.11	13	PASS
				RB1#38	6.14	13	PASS
				RB1#74	6.66	13	PASS
				RB38#0	7.01	13	PASS
				RB38#19	6.99	13	PASS
				RB38#39	7.34	13	PASS
				RB75#0	7.29	13	PASS
			HCH	RB1#0	6.77	13	PASS
				RB1#38	6.5	13	PASS
				RB1#74	6.06	13	PASS
				RB38#0	7.32	13	PASS
				RB38#19	7.19	13	PASS
				RB38#39	7.03	13	PASS
				RB75#0	7.03	13	PASS
		20	LCH	RB1#0	5.24	13	PASS
				RB1#50	4.73	13	PASS
				RB1#99	5.13	13	PASS
				RB50#0	6.46	13	PASS
				RB50#25	6.22	13	PASS
				RB50#50	6.76	13	PASS
				RB100#0	6.74	13	PASS
			MCH	RB1#0	4.94	13	PASS
				RB1#50	4.95	13	PASS
				RB1#99	5.22	13	PASS
				RB50#0	7	13	PASS
				RB50#25	7.12	13	PASS
				RB50#50	7.46	13	PASS
				RB100#0	7.24	13	PASS
			HCH	RB1#0	6.1	13	PASS
				RB1#50	6.03	13	PASS
				RB1#99	5.72	13	PASS
				RB50#0	7.36	13	PASS
				RB50#25	7.22	13	PASS
				RB50#50	7.08	13	PASS
				RB100#0	7.16	13	PASS
BAND7	LTE/TM1	5	LCH	RB1#0	3.89	13	PASS
				RB1#13	3.96	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#24	4.05	13	PASS
				RB12#0	5.16	13	PASS
				RB12#6	5.09	13	PASS
				RB12#13	5.39	13	PASS
				RB25#0	5.59	13	PASS
			MCH	RB1#0	4.26	13	PASS
				RB1#13	4.2	13	PASS
				RB1#24	4.25	13	PASS
				RB12#0	5.51	13	PASS
				RB12#6	5.44	13	PASS
				RB12#13	5.62	13	PASS
				RB25#0	5.9	13	PASS
			HCH	RB1#0	3.64	13	PASS
				RB1#13	3.6	13	PASS
				RB1#24	3.66	13	PASS
				RB12#0	5.03	13	PASS
				RB12#6	4.81	13	PASS
				RB12#13	5.09	13	PASS
				RB25#0	5.33	13	PASS
		10	LCH	RB1#0	3.85	13	PASS
				RB1#25	3.93	13	PASS
				RB1#49	4.26	13	PASS
				RB25#0	5.14	13	PASS
				RB25#13	5.23	13	PASS
				RB25#25	5.51	13	PASS
				RB50#0	5.73	13	PASS
			MCH	RB1#0	4.32	13	PASS
				RB1#25	4.21	13	PASS
				RB1#49	4.26	13	PASS
				RB25#0	5.54	13	PASS
				RB25#13	5.42	13	PASS
				RB25#25	5.57	13	PASS
				RB50#0	5.94	13	PASS
			HCH	RB1#0	3.56	13	PASS
				RB1#25	3.38	13	PASS
				RB1#49	3.58	13	PASS
				RB25#0	4.83	13	PASS
				RB25#13	4.84	13	PASS
				RB25#25	4.89	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		15		RB50#0	5.46	13	PASS
				RB1#0	3.86	13	PASS
			LCH	RB1#38	4.03	13	PASS
				RB1#74	4.18	13	PASS
				RB36#0	5.39	13	PASS
				RB36#18	5.43	13	PASS
				RB36#39	5.64	13	PASS
				RB75#0	6.04	13	PASS
			MCH	RB1#0	4.31	13	PASS
				RB1#38	4.2	13	PASS
				RB1#74	4.24	13	PASS
				RB36#0	5.67	13	PASS
				RB36#18	5.47	13	PASS
				RB36#39	5.66	13	PASS
				RB75#0	6.14	13	PASS
			HCH	RB1#0	3.78	13	PASS
				RB1#38	3.47	13	PASS
				RB1#74	3.53	13	PASS
				RB36#0	4.87	13	PASS
				RB36#18	4.65	13	PASS
				RB36#39	4.89	13	PASS
				RB75#0	5.41	13	PASS
		20	LCH	RB1#0	3.83	13	PASS
				RB1#50	4.37	13	PASS
				RB1#99	4.29	13	PASS
				RB50#0	5.56	13	PASS
				RB50#25	5.51	13	PASS
				RB50#50	5.73	13	PASS
				RB100#0	5.76	13	PASS
			MCH	RB1#0	4.4	13	PASS
				RB1#50	4.39	13	PASS
				RB1#99	4.51	13	PASS
				RB50#0	5.68	13	PASS
				RB50#25	5.63	13	PASS
				RB50#50	5.67	13	PASS
				RB100#0	5.92	13	PASS
			HCH	RB1#0	4.07	13	PASS
				RB1#50	3.51	13	PASS
				RB1#99	3.52	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
	LTE/TM2			RB50#0	4.95	13	PASS
				RB50#25	4.7	13	PASS
				RB50#50	4.97	13	PASS
				RB100#0	5.57	13	PASS
		5	LCH	RB1#0	5.04	13	PASS
				RB1#13	5.18	13	PASS
				RB1#24	5.28	13	PASS
				RB12#0	6.01	13	PASS
				RB12#6	5.9	13	PASS
				RB12#13	6.18	13	PASS
				RB25#0	6.73	13	PASS
			MCH	RB1#0	5.55	13	PASS
				RB1#13	5.41	13	PASS
				RB1#24	5.5	13	PASS
				RB12#0	6.35	13	PASS
				RB12#6	6.29	13	PASS
				RB12#13	6.18	13	PASS
				RB25#0	6.85	13	PASS
			HCH	RB1#0	4	13	PASS
				RB1#13	3.9	13	PASS
				RB1#24	3.95	13	PASS
				RB12#0	5.63	13	PASS
				RB12#6	5.53	13	PASS
				RB12#13	5.61	13	PASS
				RB25#0	6.17	13	PASS
		10	LCH	RB1#0	5.12	13	PASS
				RB1#25	5.36	13	PASS
				RB1#49	5.82	13	PASS
				RB25#0	6.39	13	PASS
				RB25#13	6.24	13	PASS
				RB25#25	6.63	13	PASS
				RB50#0	7	13	PASS
			MCH	RB1#0	5.68	13	PASS
				RB1#25	5.58	13	PASS
				RB1#49	5.63	13	PASS
				RB25#0	6.83	13	PASS
				RB25#13	6.64	13	PASS
				RB25#25	6.76	13	PASS
				RB50#0	6.84	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
			HCH	RB1#0	4.76	13	PASS
				RB1#25	4.73	13	PASS
				RB1#49	4.82	13	PASS
				RB25#0	5.79	13	PASS
				RB25#13	5.68	13	PASS
				RB25#25	5.78	13	PASS
				RB50#0	6.08	13	PASS
		15	LCH	RB1#0	5.2	13	PASS
				RB1#38	5.48	13	PASS
				RB1#74	5.69	13	PASS
				RB36#0	6.45	13	PASS
				RB36#18	6.57	13	PASS
				RB36#39	6.71	13	PASS
				RB75#0	6.74	13	PASS
			MCH	RB1#0	5.73	13	PASS
				RB1#38	5.71	13	PASS
				RB1#74	5.55	13	PASS
				RB36#0	6.71	13	PASS
				RB36#18	6.56	13	PASS
				RB36#39	6.66	13	PASS
				RB75#0	6.88	13	PASS
			HCH	RB1#0	4.95	13	PASS
				RB1#38	4.67	13	PASS
				RB1#74	4.61	13	PASS
				RB36#0	5.87	13	PASS
				RB36#18	5.59	13	PASS
				RB36#39	5.96	13	PASS
				RB75#0	6.35	13	PASS
		20	LCH	RB1#0	4.54	13	PASS
				RB1#50	4.67	13	PASS
				RB1#99	4.65	13	PASS
				RB50#0	6.63	13	PASS
				RB50#25	6.59	13	PASS
				RB50#50	6.57	13	PASS
				RB100#0	6.56	13	PASS
			MCH	RB1#0	4.62	13	PASS
				RB1#50	4.68	13	PASS
				RB1#99	4.65	13	PASS
				RB50#0	6.69	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#25	6.61	13	PASS
				RB50#50	6.72	13	PASS
				RB100#0	6.63	13	PASS
			HCH	RB1#0	5.06	13	PASS
				RB1#50	4.32	13	PASS
				RB1#99	4.6	13	PASS
				RB50#0	5.91	13	PASS
				RB50#25	5.63	13	PASS
				RB50#50	5.87	13	PASS
				RB100#0	6.19	13	PASS

3Appendix_C: Modulation Characteristics

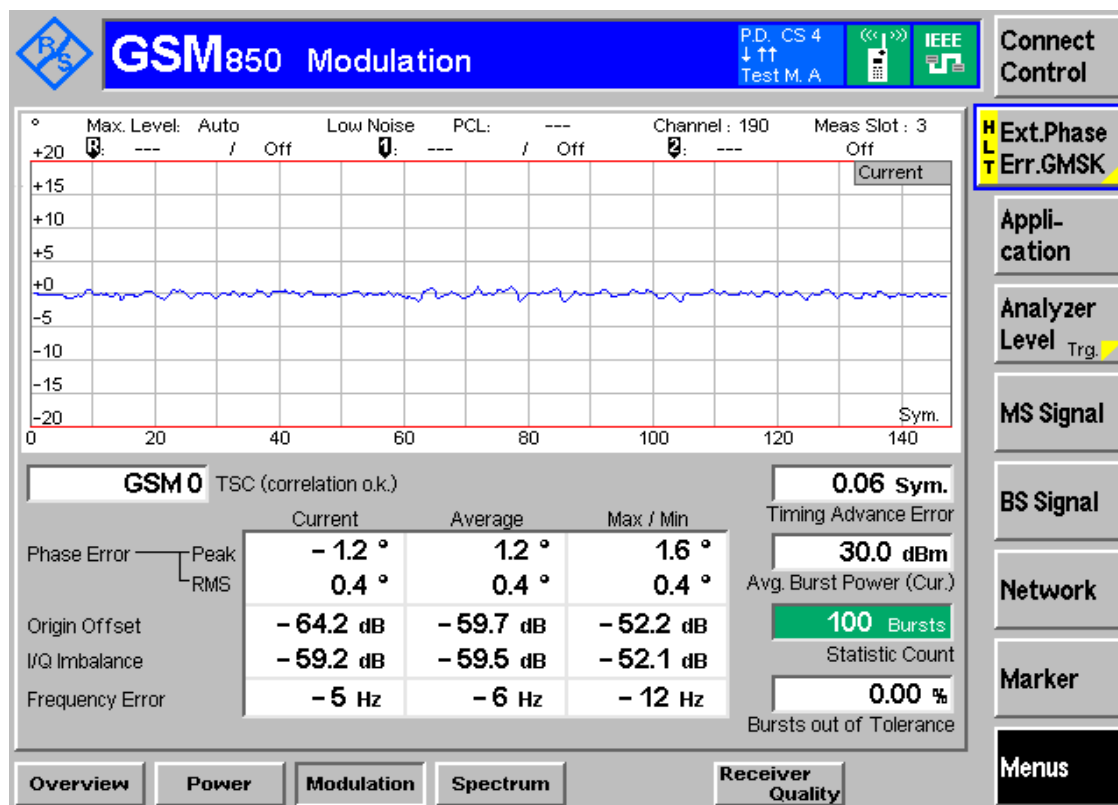
Part I - Test Plots

3.1 For GSM

3.1.1 Test Band = GSM850

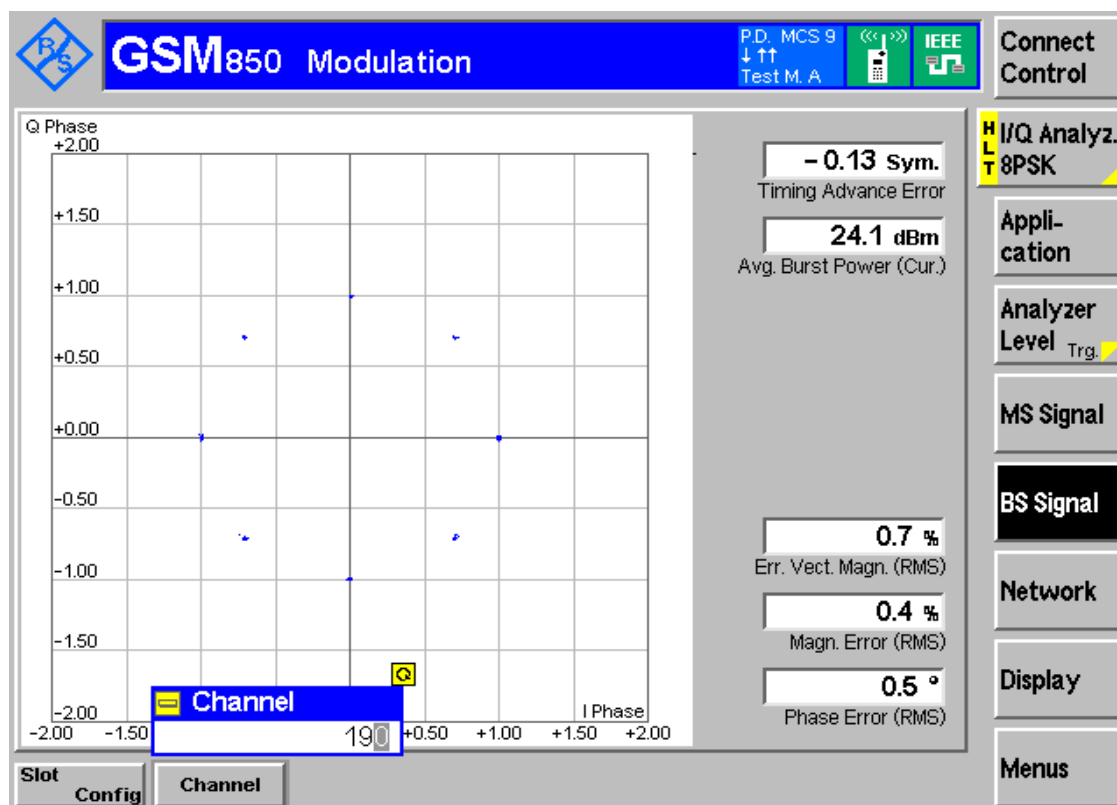
3.1.1.1 Test Mode = GSM/TM1

3.1.1.1.1 Test Channel = MCH



3.1.1.2 Test Mode = GSM/TM2

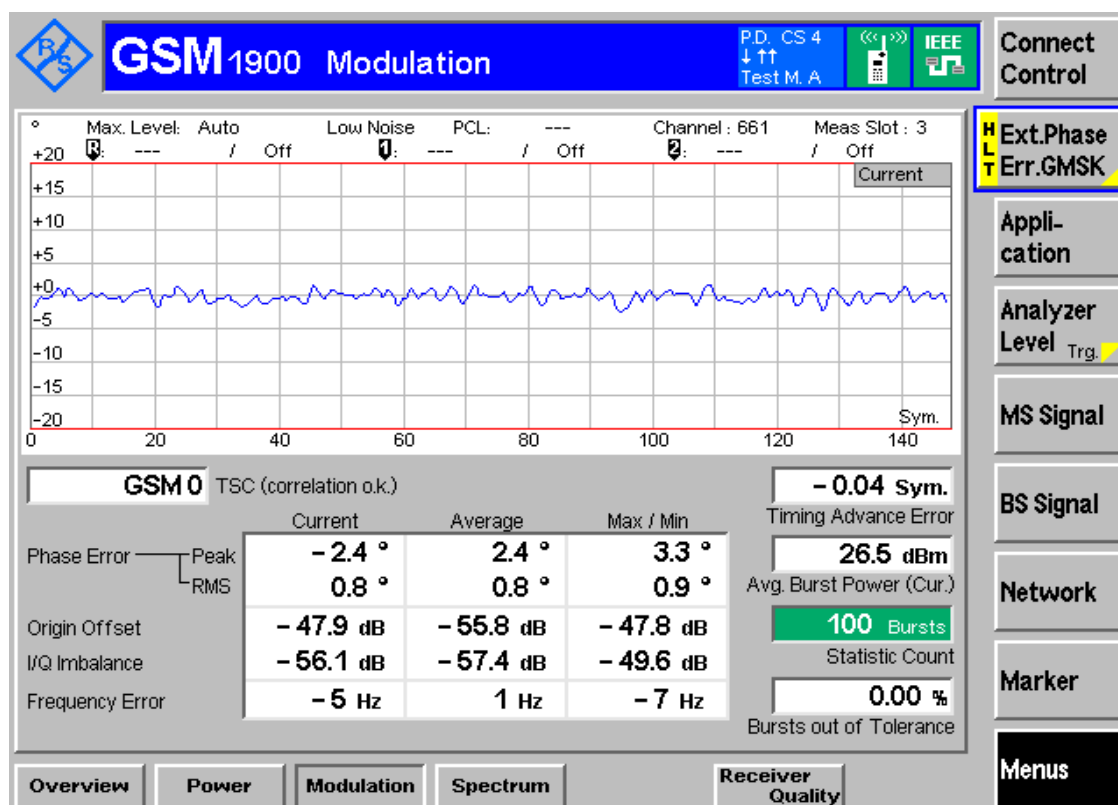
3.1.1.2.1 Test Channel = MCH



3.1.2 Test Band = GSM1900

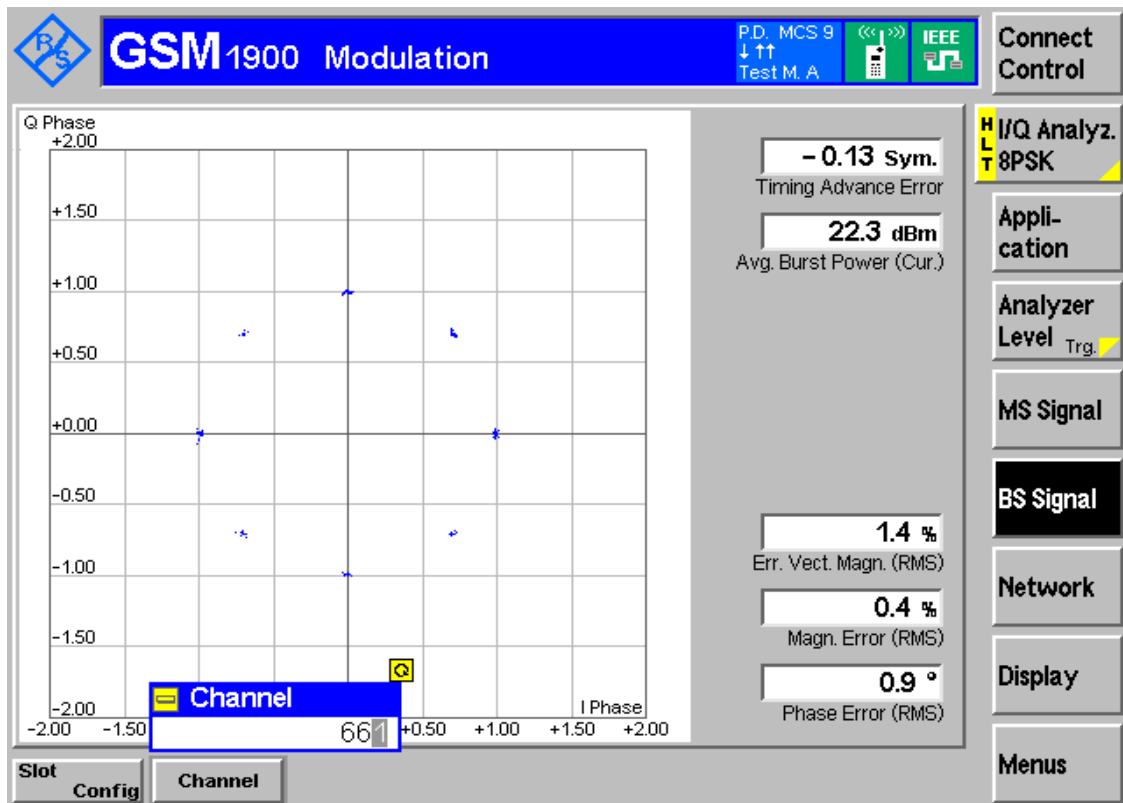
3.1.2.1 Test Mode = GSM/TM1

3.1.2.1.1 Test Channel = MCH



3.1.2.2 Test Mode = GSM/TM2

3.1.2.2.1 Test Channel = MCH

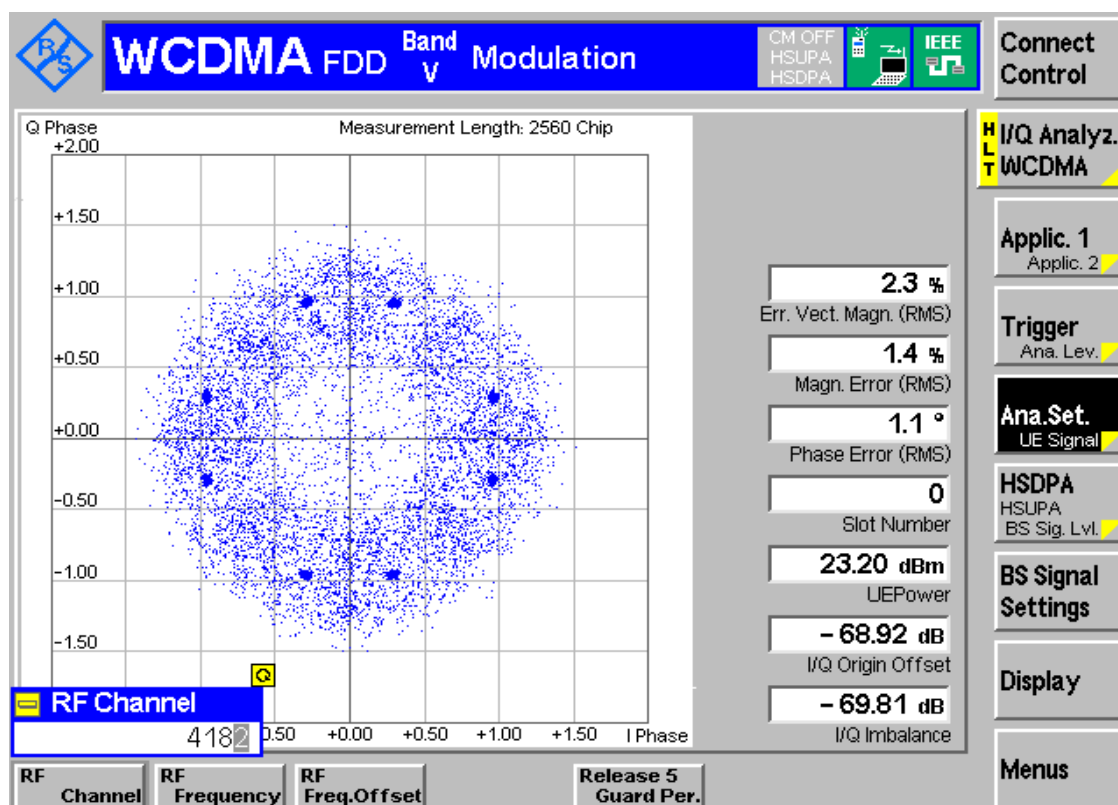


3.2 For UMTS

3.2.1 Test Band = WCDMA850

3.2.1.1 Test Mode = UMTS/TM1

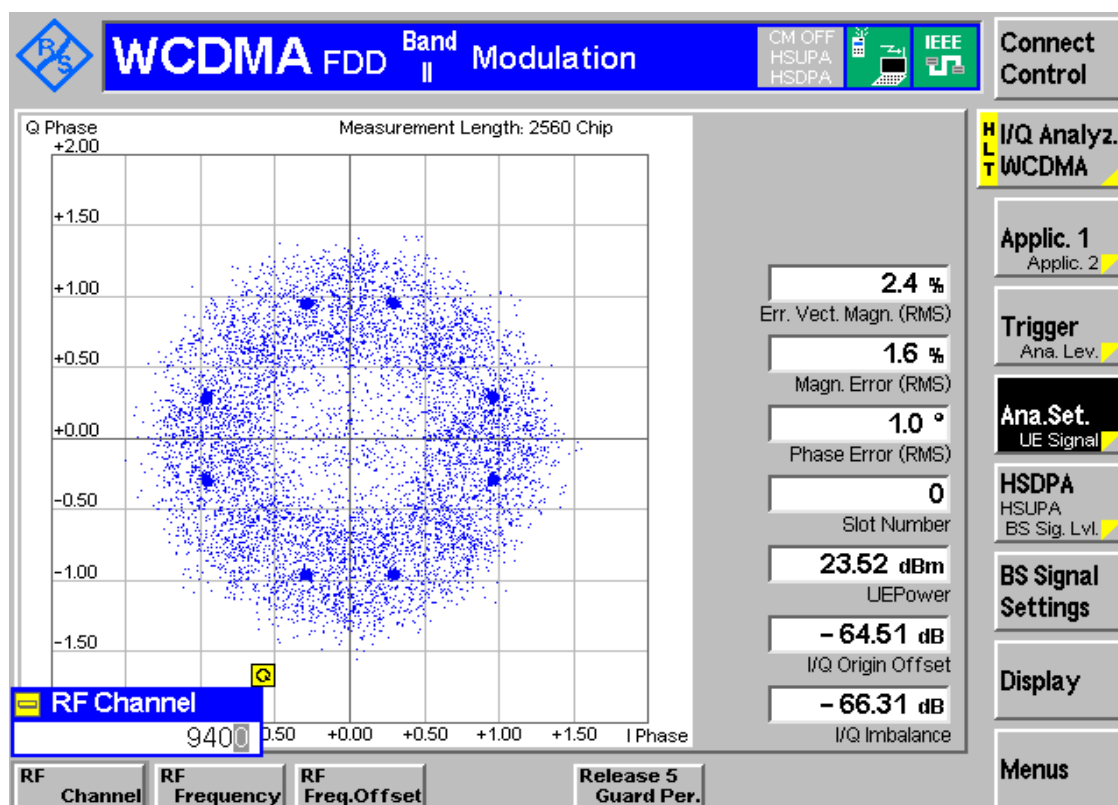
3.2.1.1.1 Test Channel = MCH



3.2.2 Test Band = WCDMA1900

3.2.2.1 Test Mode = UMTS/TM1

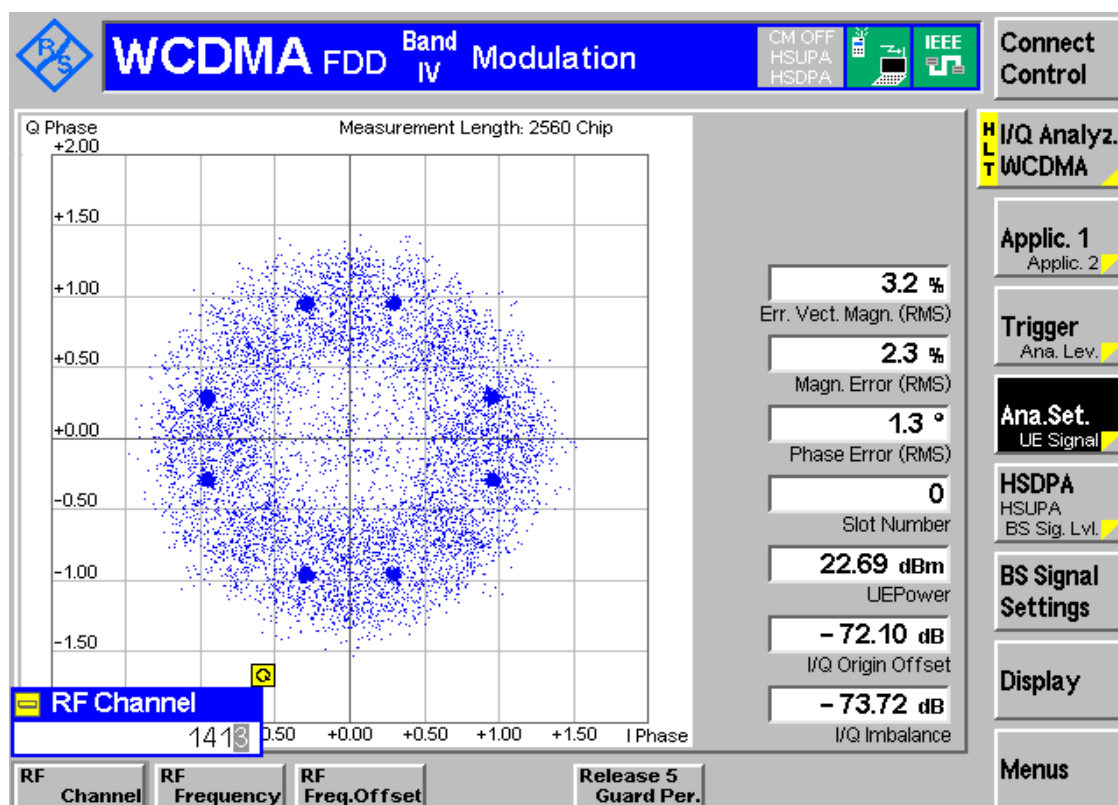
3.2.2.1.1 Test Channel = MCH



3.2.3 Test Band = WCDMA1700

3.2.3.1 Test Mode = UMTS/TM1

3.2.3.1.1 Test Channel = MCH



3.3 For LTE

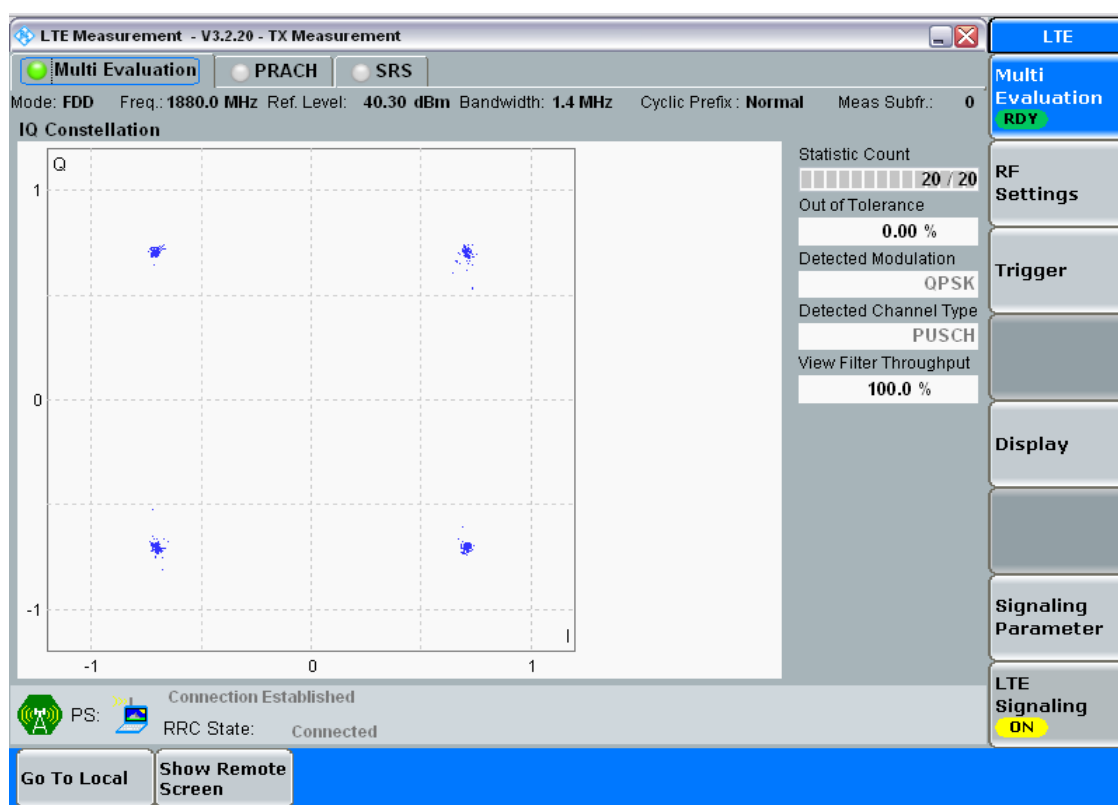
3.3.1 Test Band = BAND2

3.3.1.1 Test Mode = LTE/TM1

3.3.1.1.1 Test Bandwidth = 1.4

3.3.1.1.1.1 Test Channel = MCH

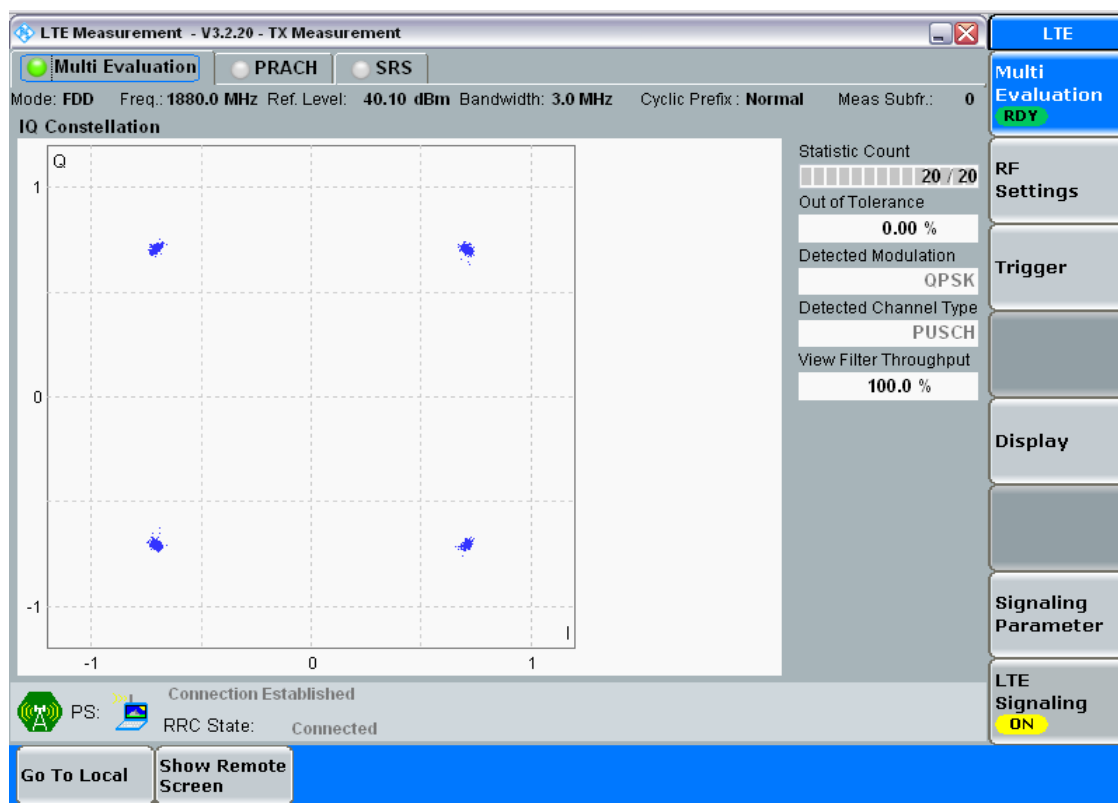
3.3.1.1.1.1.1 Test RB = RB6#0



3.3.1.1.2 Test Bandwidth = 3

3.3.1.1.2.1 Test Channel = MCH

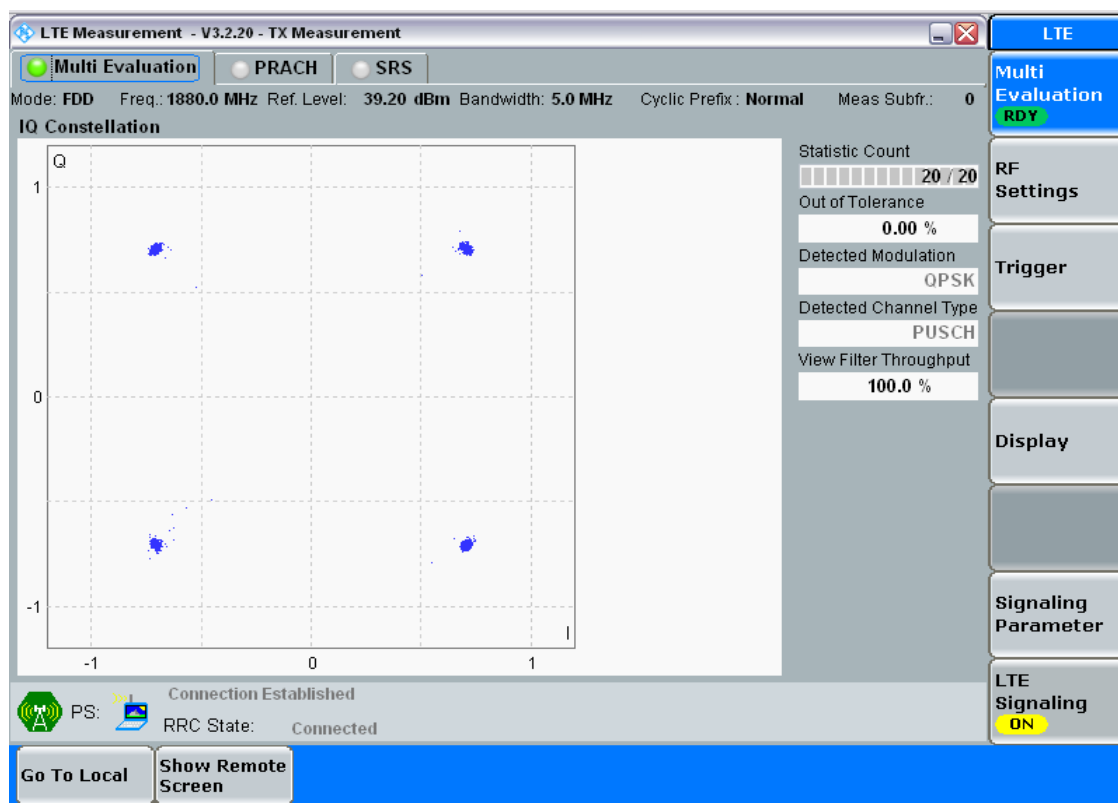
3.3.1.1.2.1.1 Test RB = RB15#0



3.3.1.1.3 Test Bandwidth = 5

3.3.1.1.3.1 Test Channel = MCH

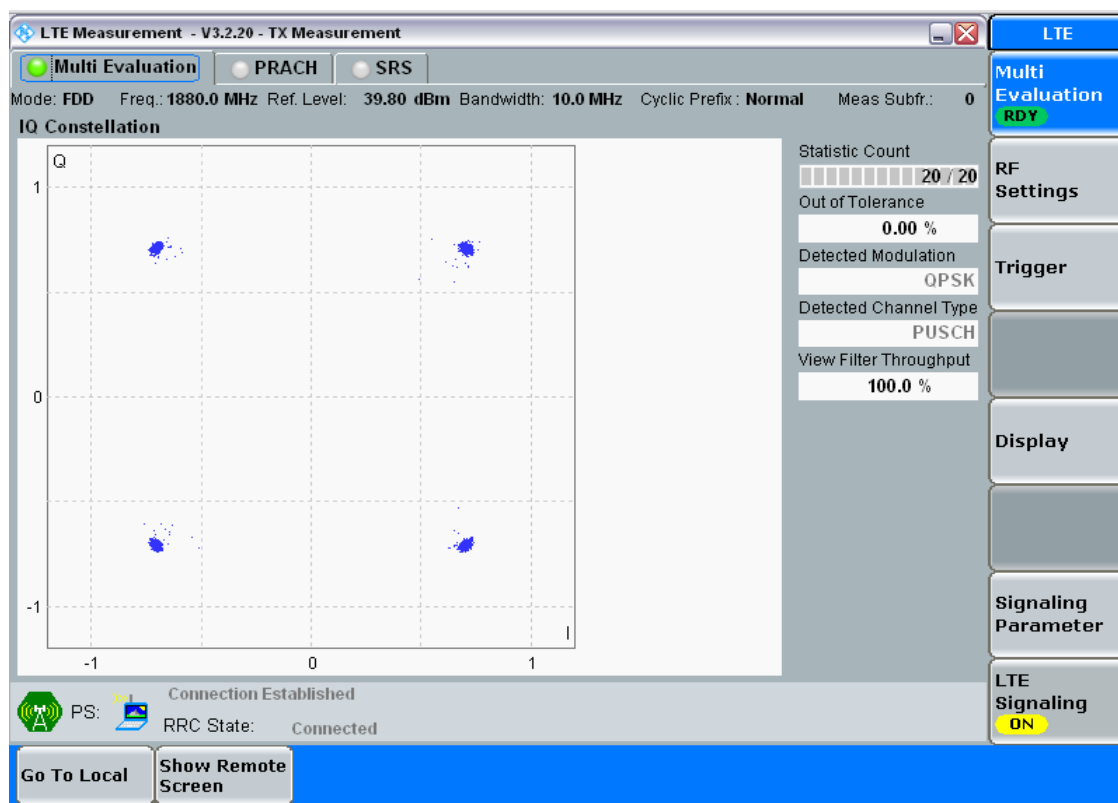
3.3.1.1.3.1.1 Test RB = RB25#0



3.3.1.1.4 Test Bandwidth = 10

3.3.1.1.4.1 Test Channel = MCH

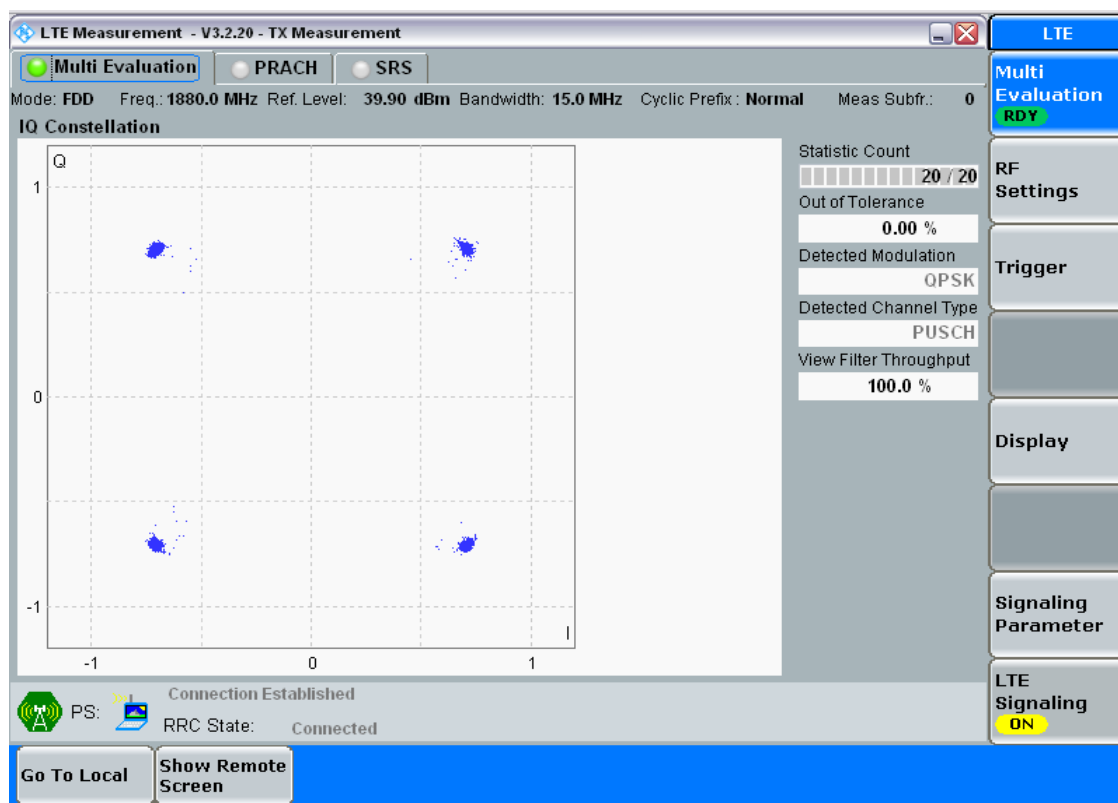
3.3.1.1.4.1.1 Test RB = RB50#0



3.3.1.1.5 Test Bandwidth = 15

3.3.1.1.5.1 Test Channel = MCH

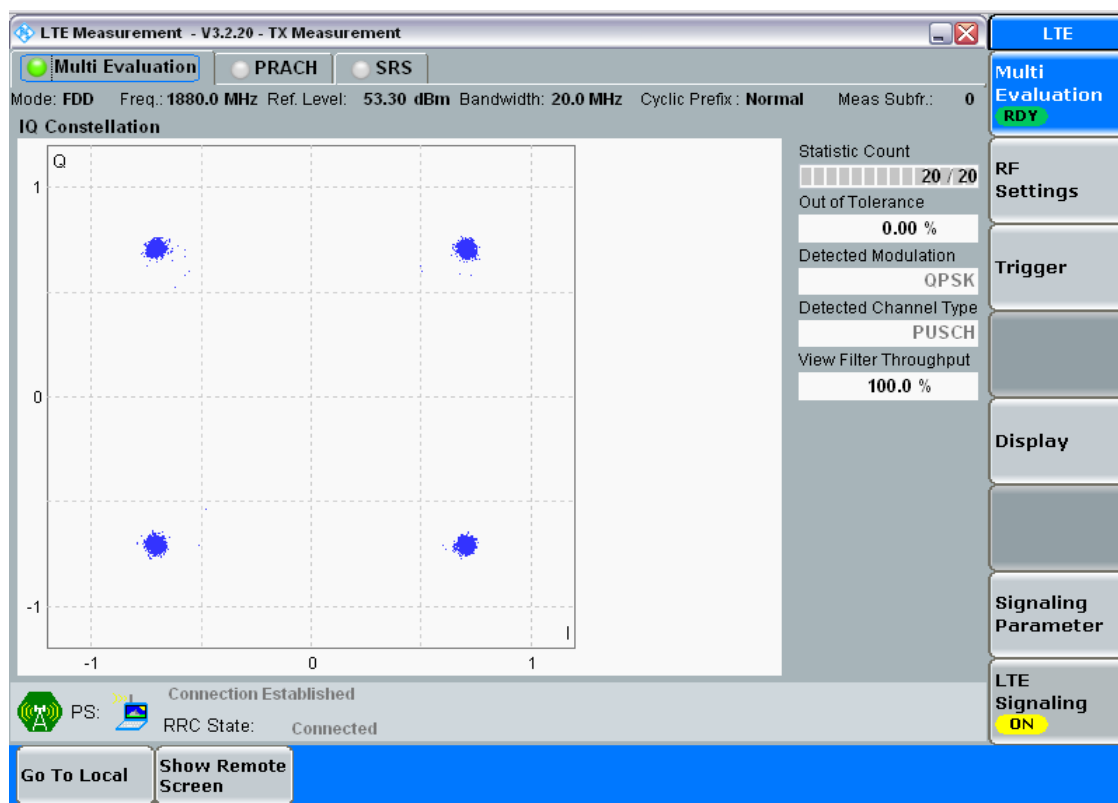
3.3.1.1.5.1.1 Test RB = RB75#0



3.3.1.1.6 Test Bandwidth = 20

3.3.1.1.6.1 Test Channel = MCH

3.3.1.1.6.1.1 Test RB = RB100#0

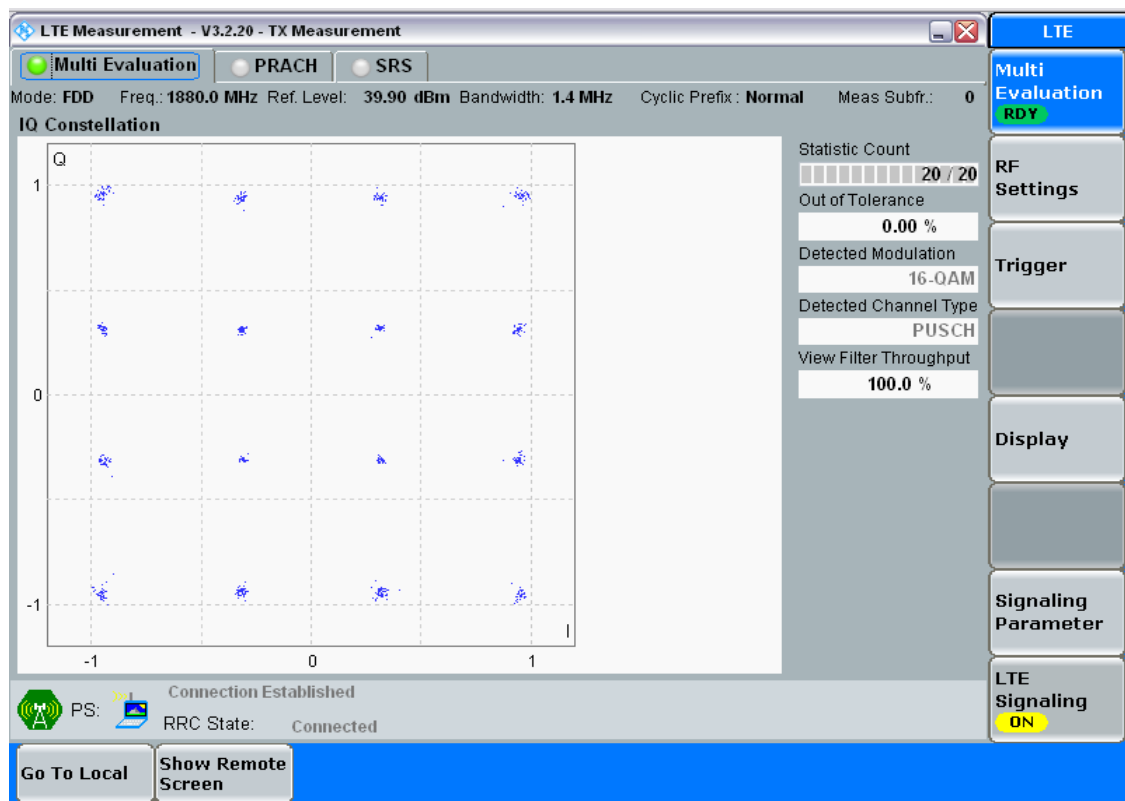


3.3.1.2 Test Mode = LTE/TM2

3.3.1.2.1 Test Bandwidth = 1.4

3.3.1.2.1.1 Test Channel = MCH

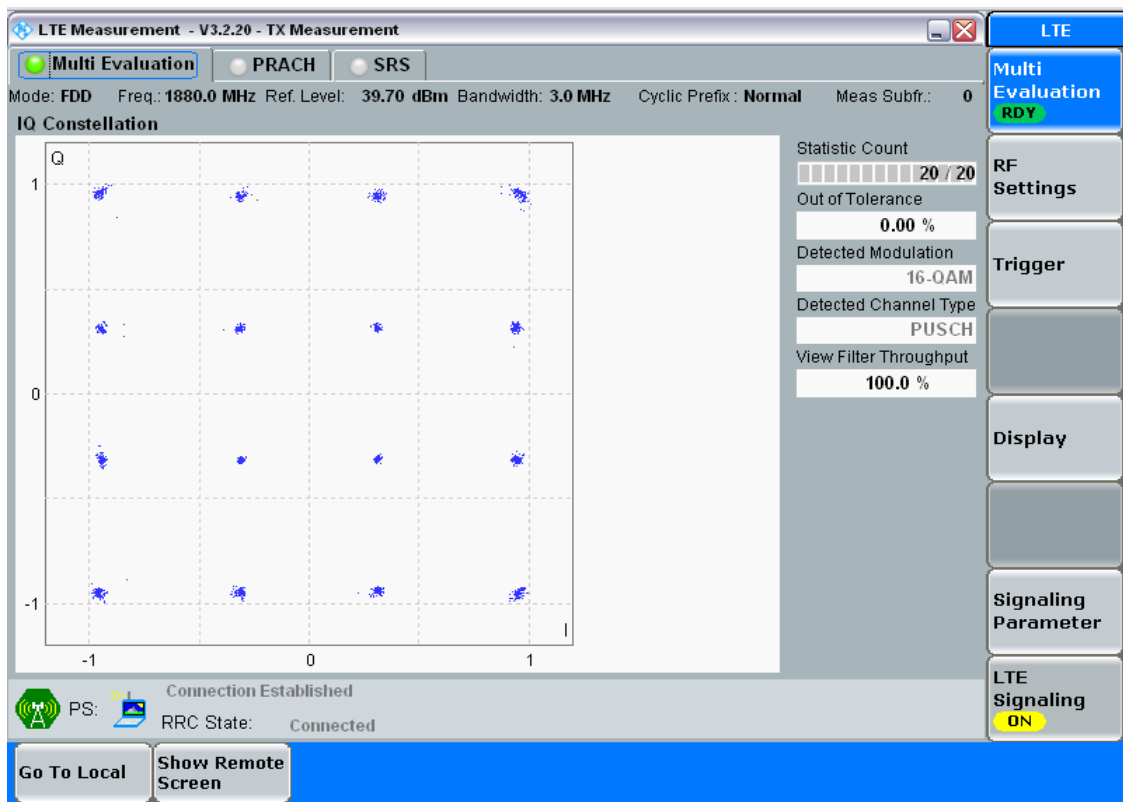
3.3.1.2.1.1.1 Test RB = RB6#0



3.3.1.2.2 Test Bandwidth = 3

3.3.1.2.2.1 Test Channel = MCH

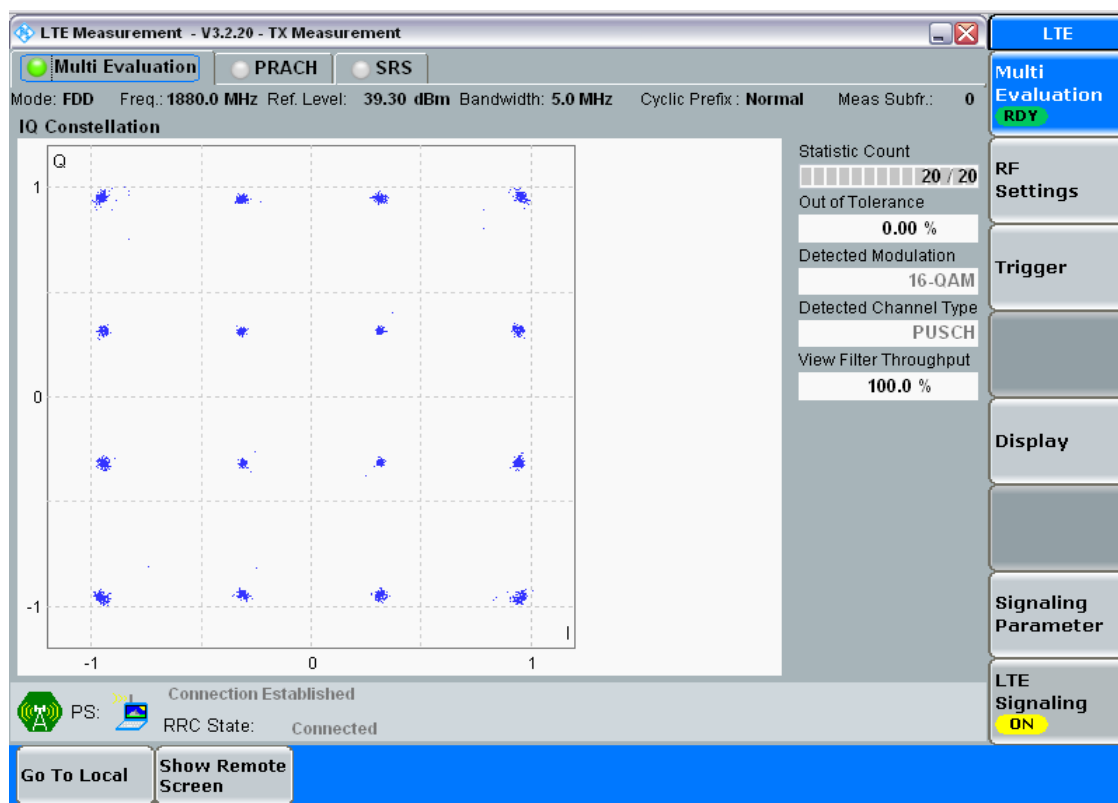
3.3.1.2.2.1.1 Test RB = RB15#0



3.3.1.2.3 Test Bandwidth = 5

3.3.1.2.3.1 Test Channel = MCH

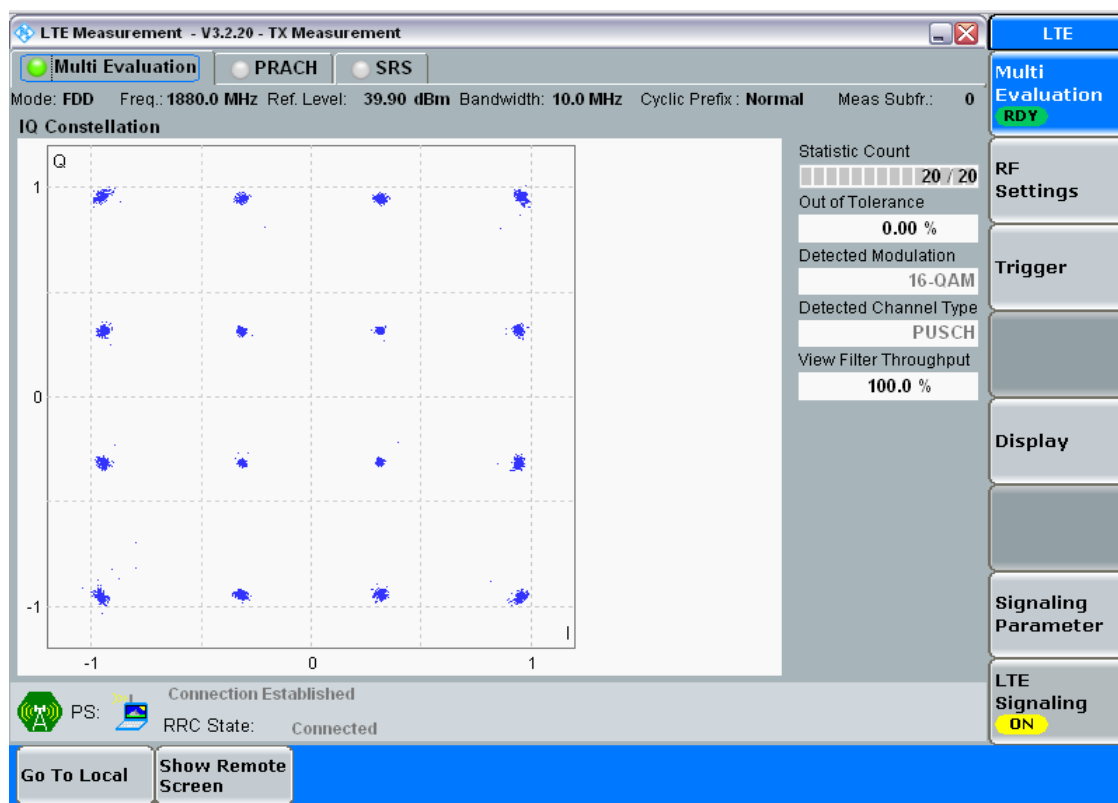
3.3.1.2.3.1.1 Test RB = RB25#0



3.3.1.2.4 Test Bandwidth = 10

3.3.1.2.4.1 Test Channel = MCH

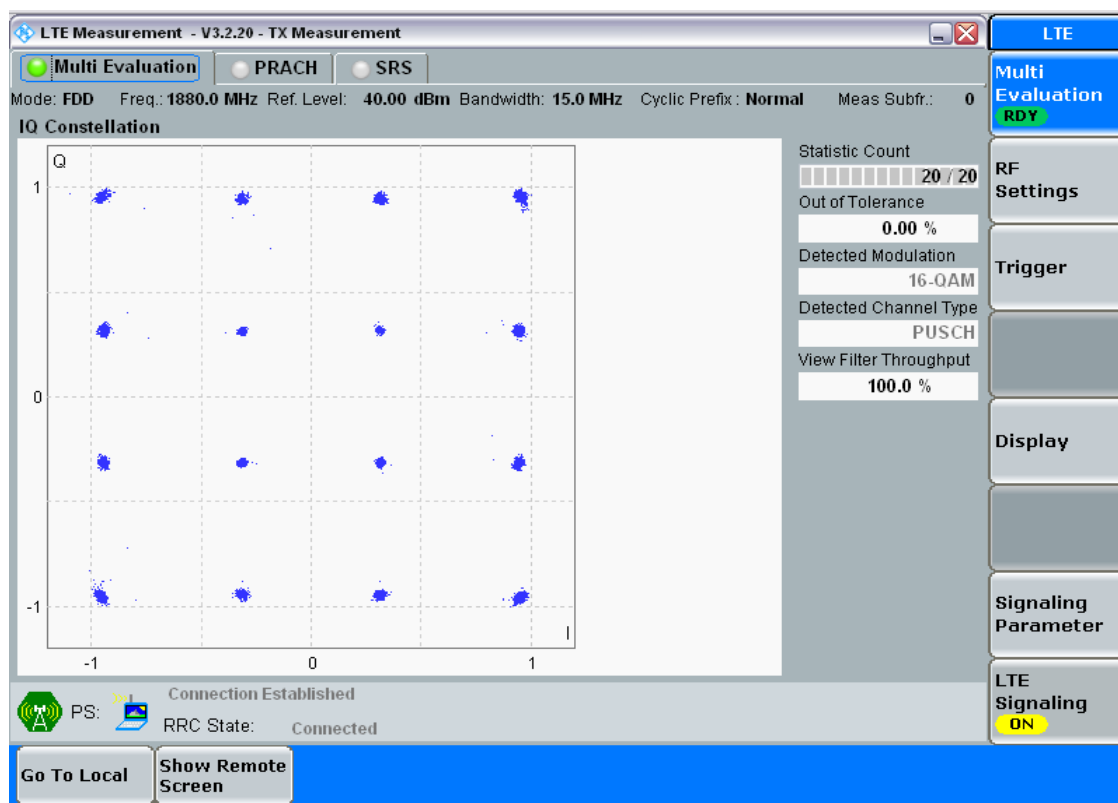
3.3.1.2.4.1.1 Test RB = RB50#0



3.3.1.2.5 Test Bandwidth = 15

3.3.1.2.5.1 Test Channel = MCH

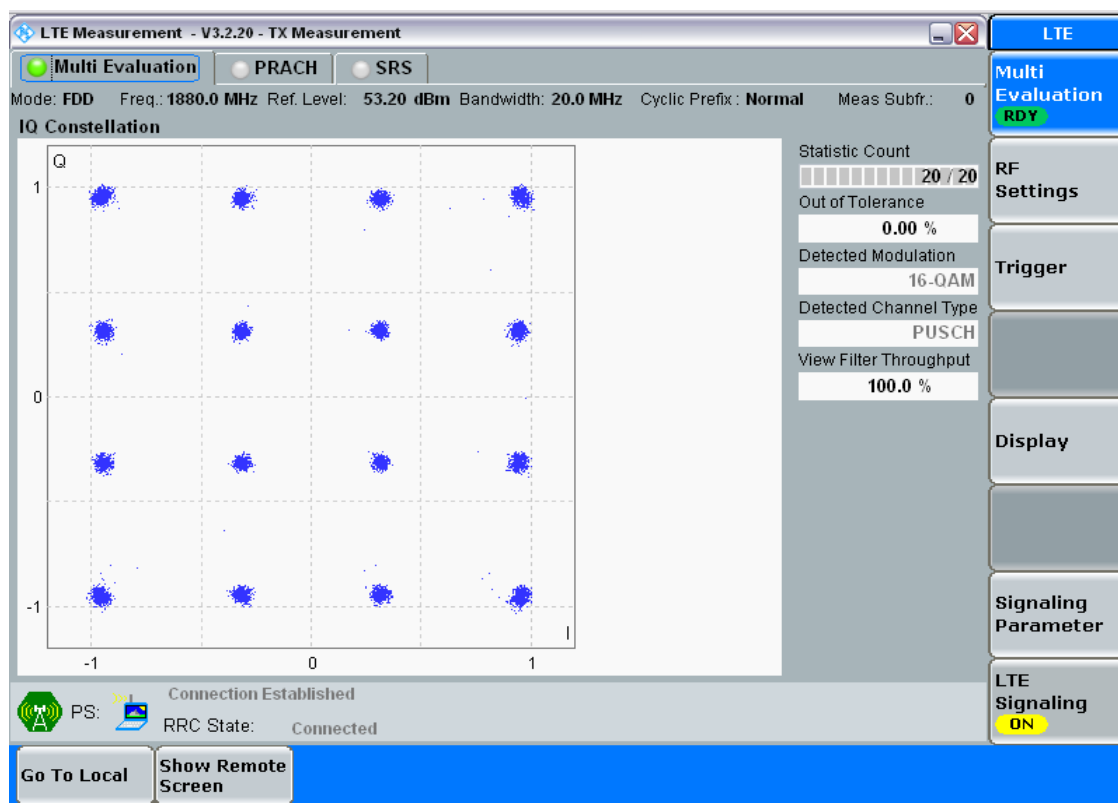
3.3.1.2.5.1.1 Test RB = RB75#0



3.3.1.2.6 Test Bandwidth = 20

3.3.1.2.6.1 Test Channel = MCH

3.3.1.2.6.1.1 Test RB = RB100#0



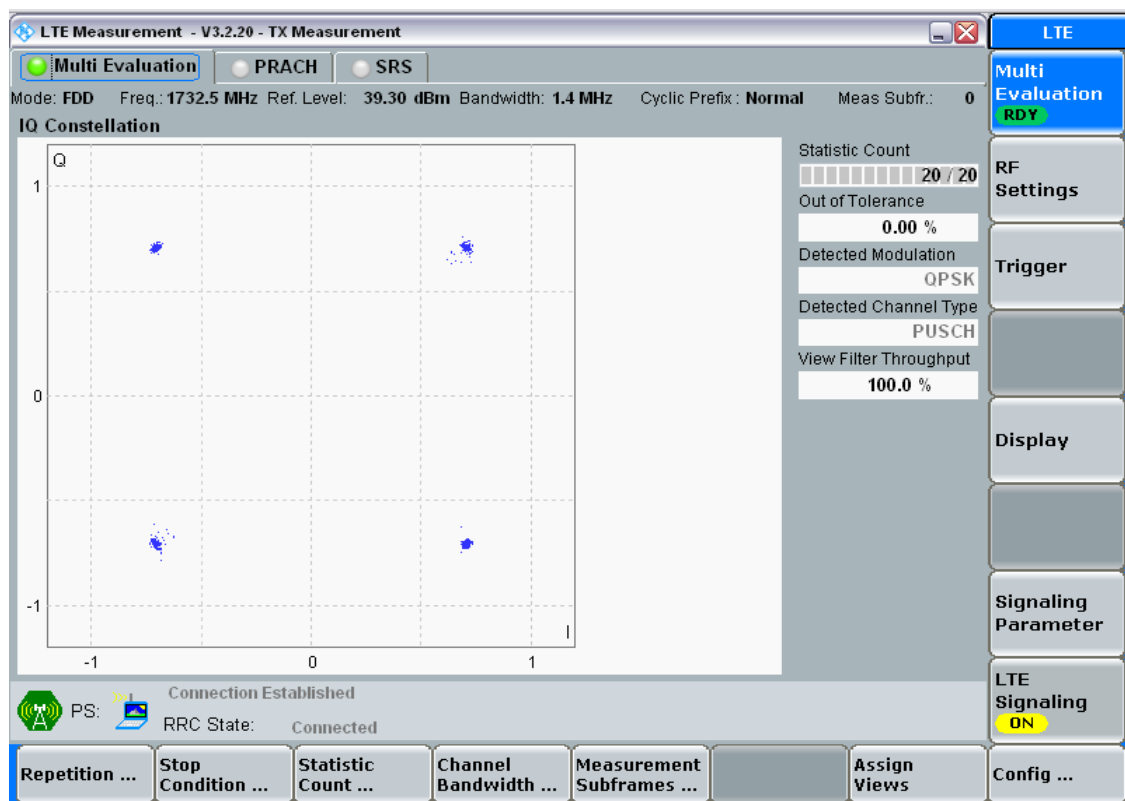
3.3.2 Test Band = BAND4

3.3.2.1 Test Mode = LTE/TM1

3.3.2.1.1 Test Bandwidth = 1.4

3.3.2.1.1.1 Test Channel = MCH

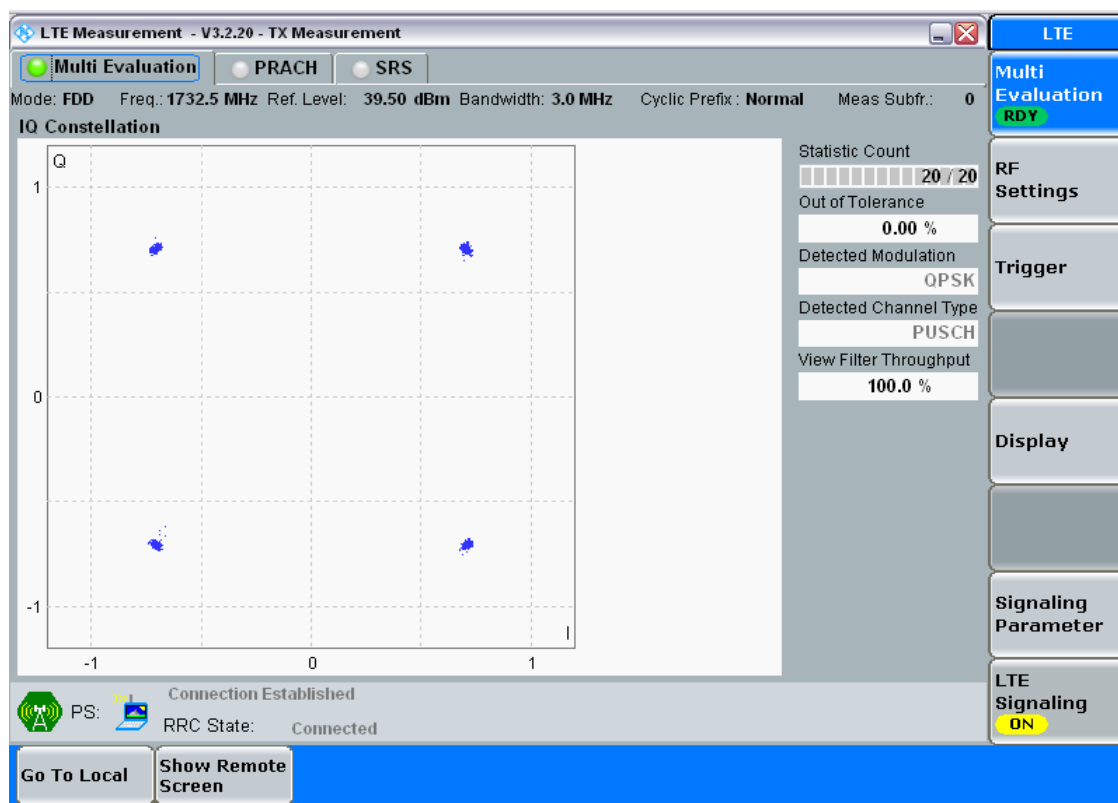
3.3.2.1.1.1.1 Test RB = RB6#0



3.3.2.1.2 Test Bandwidth = 3

3.3.2.1.2.1 Test Channel = MCH

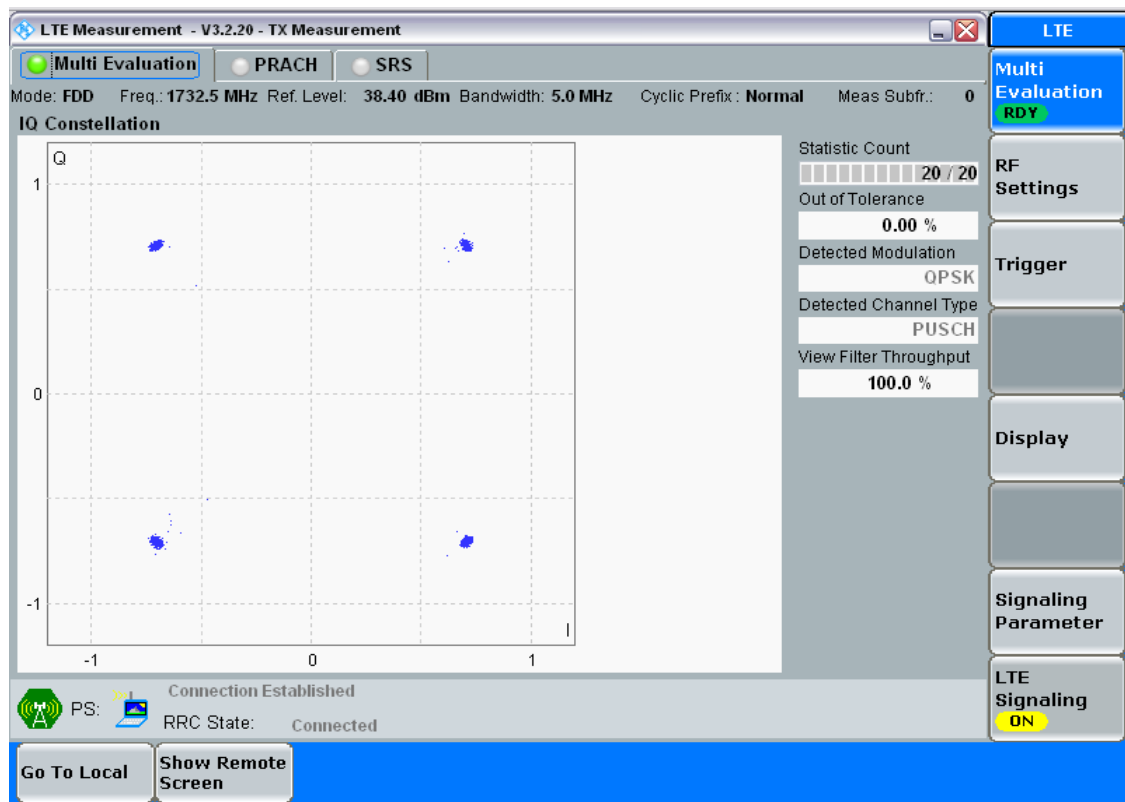
3.3.2.1.2.1.1 Test RB = RB15#0



3.3.2.1.3 Test Bandwidth = 5

3.3.2.1.3.1 Test Channel = MCH

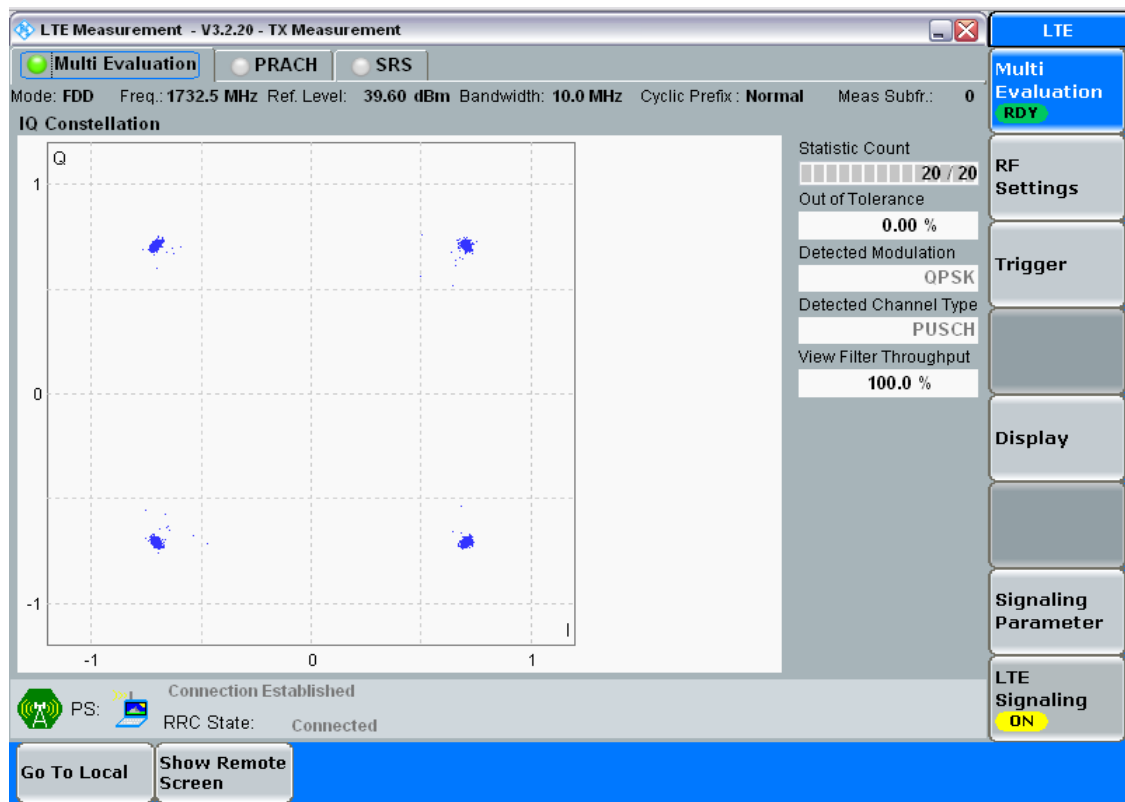
3.3.2.1.3.1.1 Test RB = RB25#0



3.3.2.1.4 Test Bandwidth = 10

3.3.2.1.4.1 Test Channel = MCH

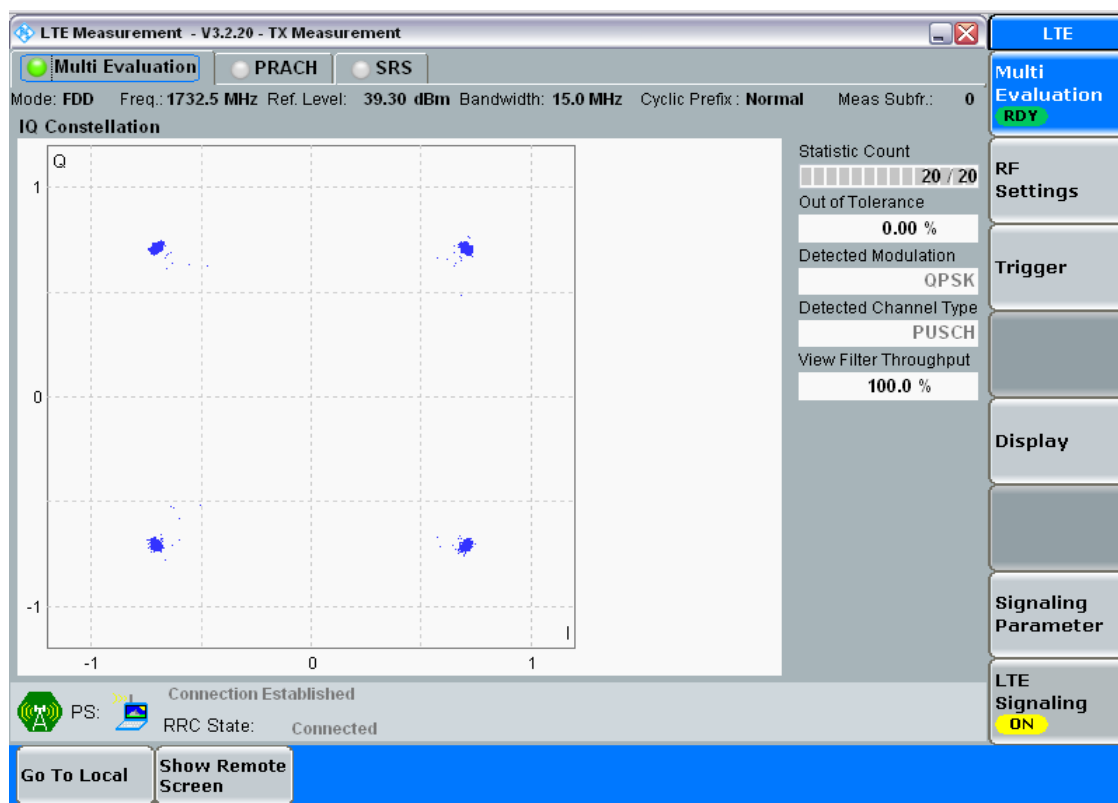
3.3.2.1.4.1.1 Test RB = RB50#0



3.3.2.1.5 Test Bandwidth = 15

3.3.2.1.5.1 Test Channel = MCH

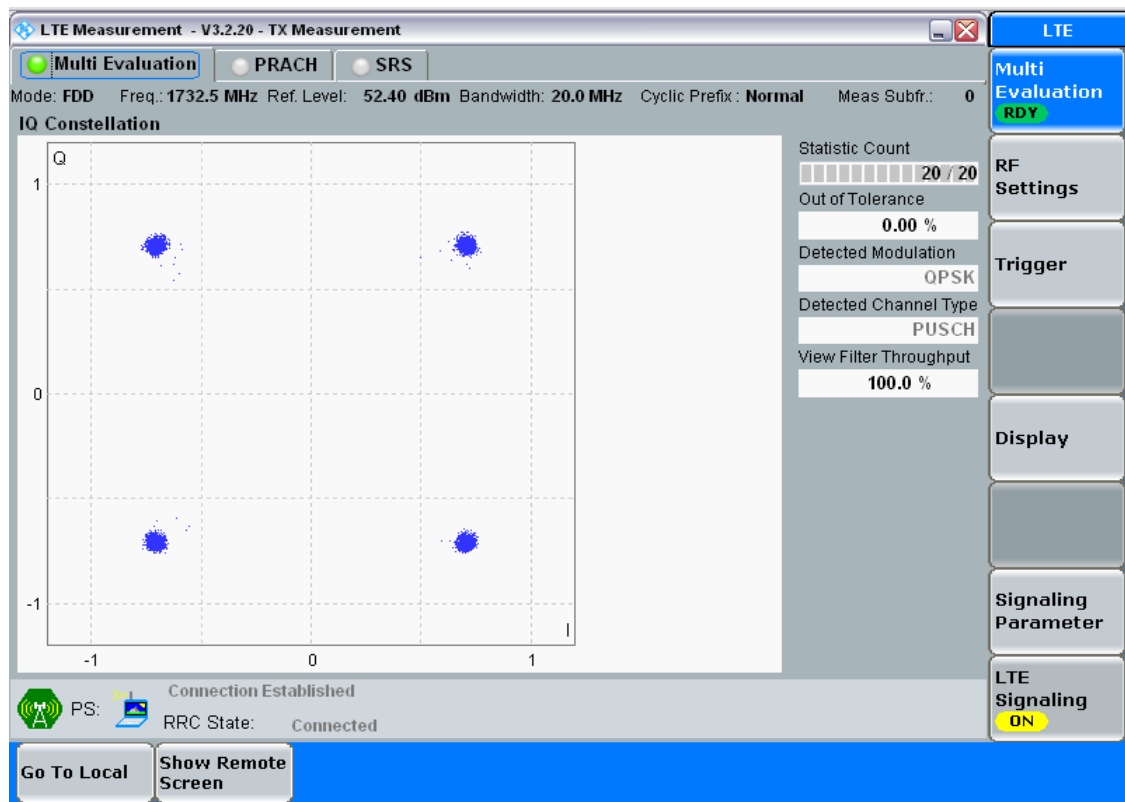
3.3.2.1.5.1.1 Test RB = RB75#0



3.3.2.1.6 Test Bandwidth = 20

3.3.2.1.6.1 Test Channel = MCH

3.3.2.1.6.1.1 Test RB = RB100#0

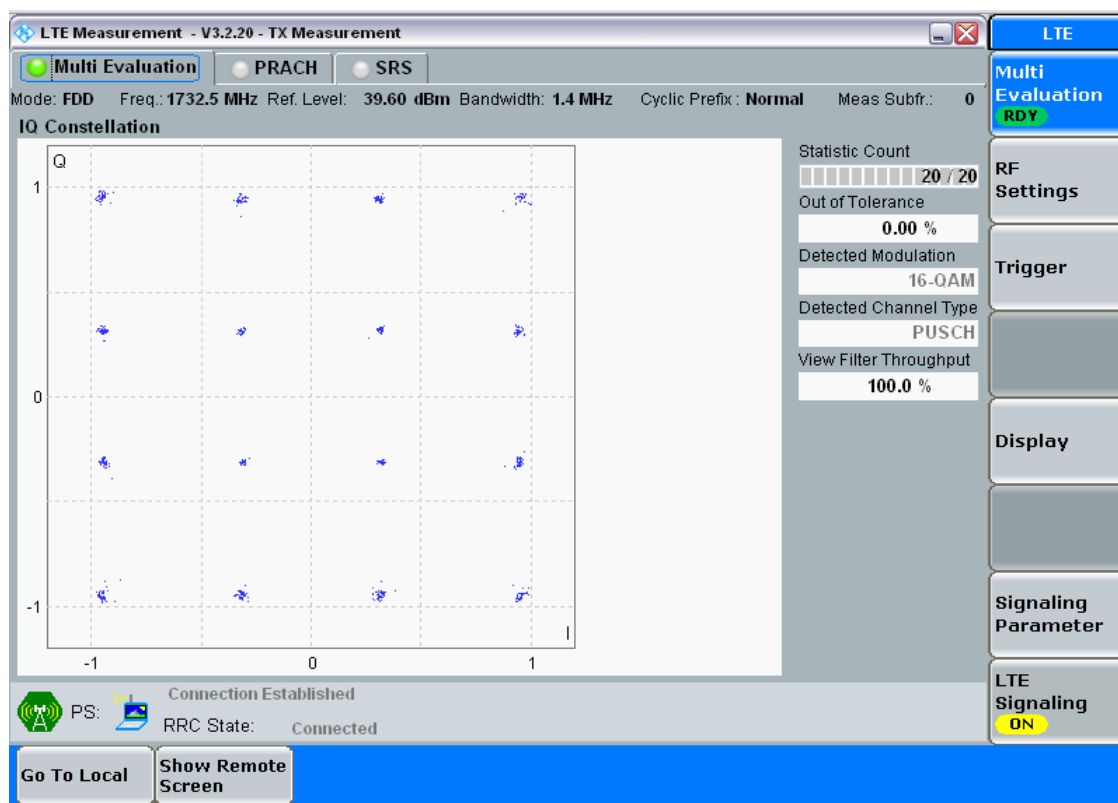


3.3.2.2 Test Mode = LTE/TM2

3.3.2.2.1 Test Bandwidth = 1.4

3.3.2.2.1.1 Test Channel = MCH

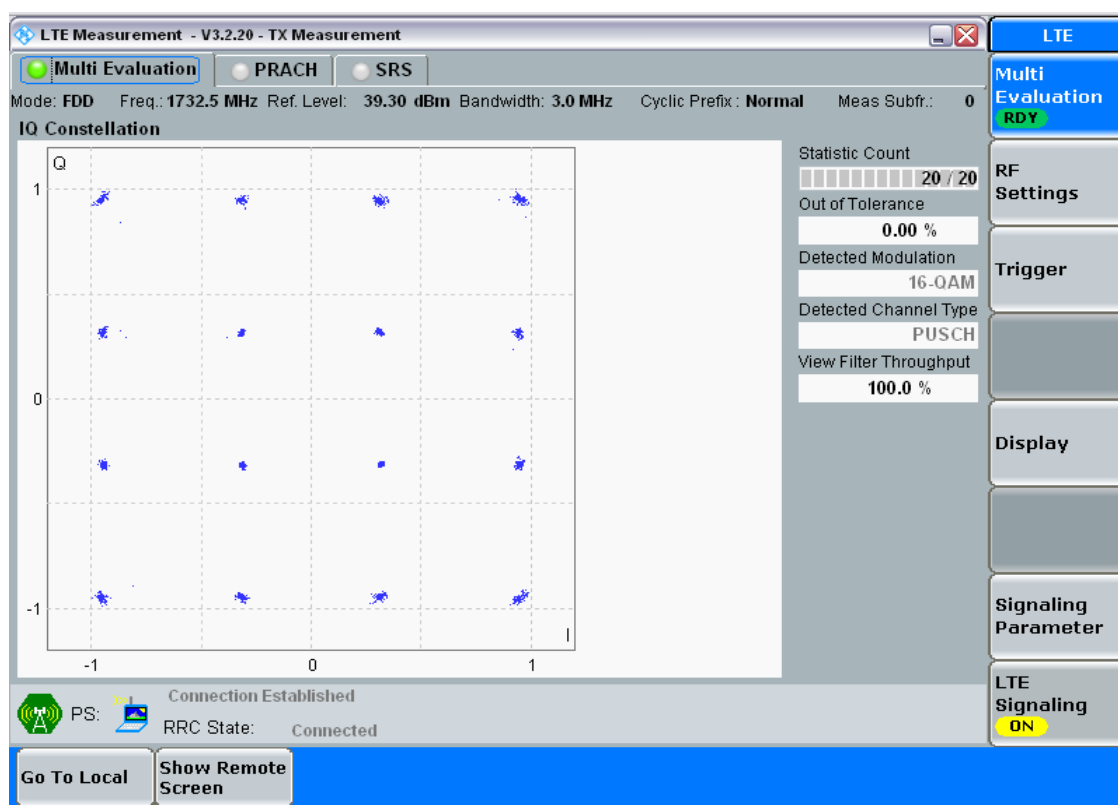
3.3.2.2.1.1.1 Test RB = RB6#0



3.3.2.2.2 Test Bandwidth = 3

3.3.2.2.2.1 Test Channel = MCH

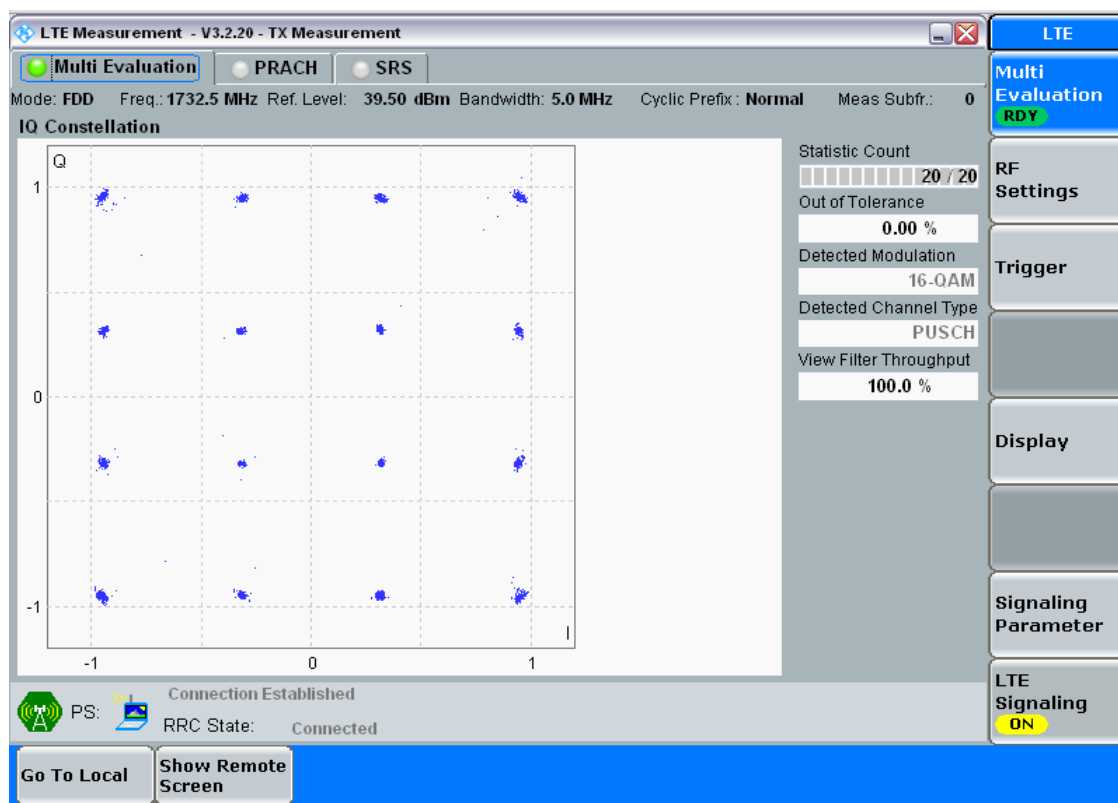
3.3.2.2.2.1.1 Test RB = RB15#0



3.3.2.2.3 Test Bandwidth = 5

3.3.2.2.3.1 Test Channel = MCH

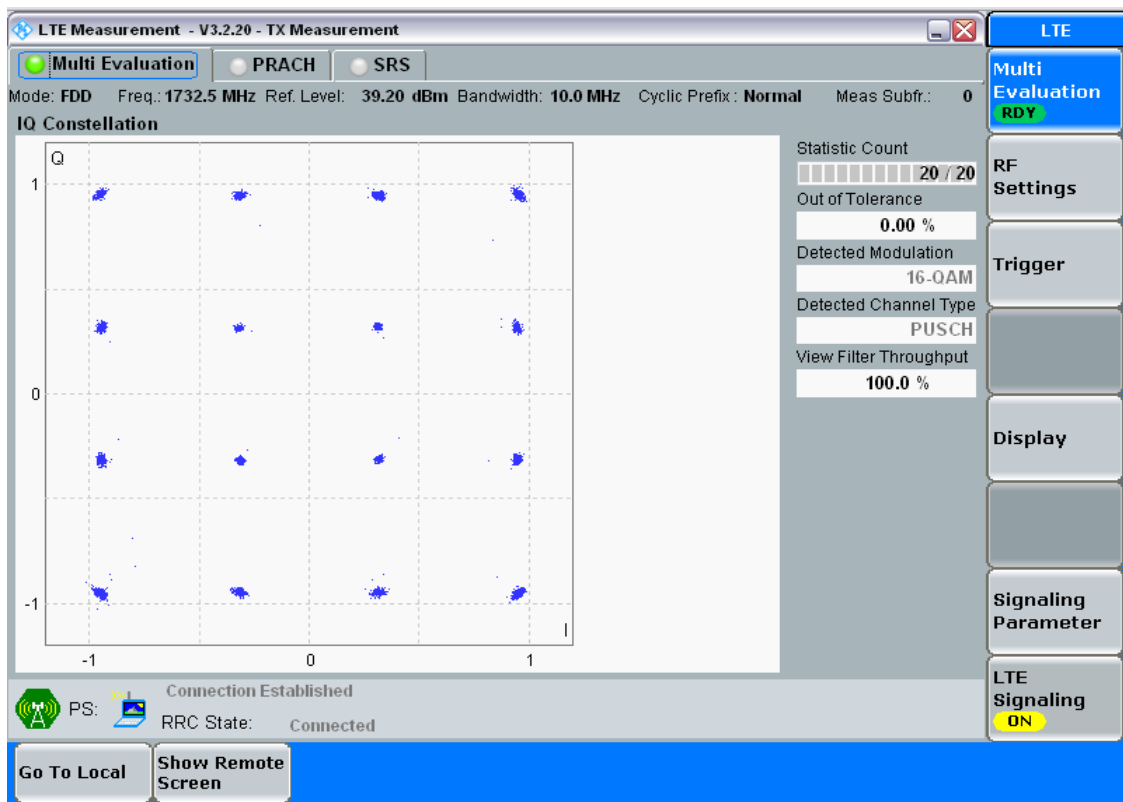
3.3.2.2.3.1.1 Test RB = RB25#0



3.3.2.2.4 Test Bandwidth = 10

3.3.2.2.4.1 Test Channel = MCH

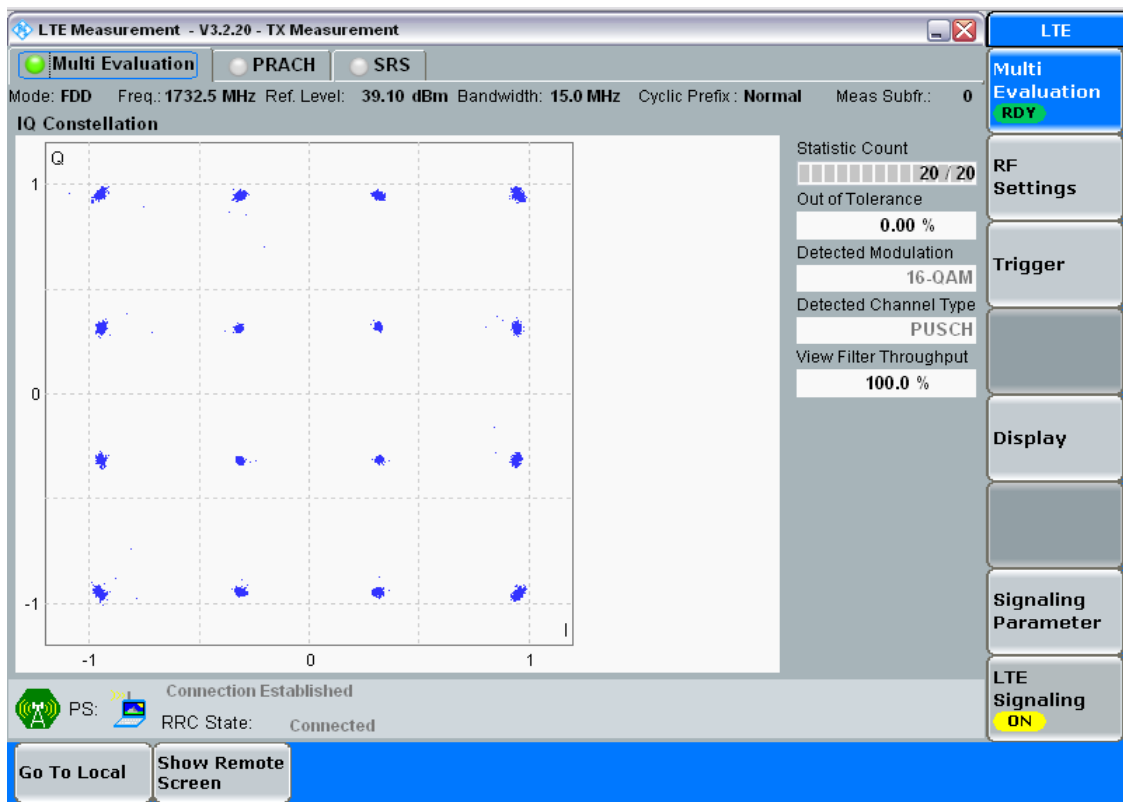
3.3.2.2.4.1.1 Test RB = RB50#0



3.3.2.2.5 Test Bandwidth = 15

3.3.2.2.5.1 Test Channel = MCH

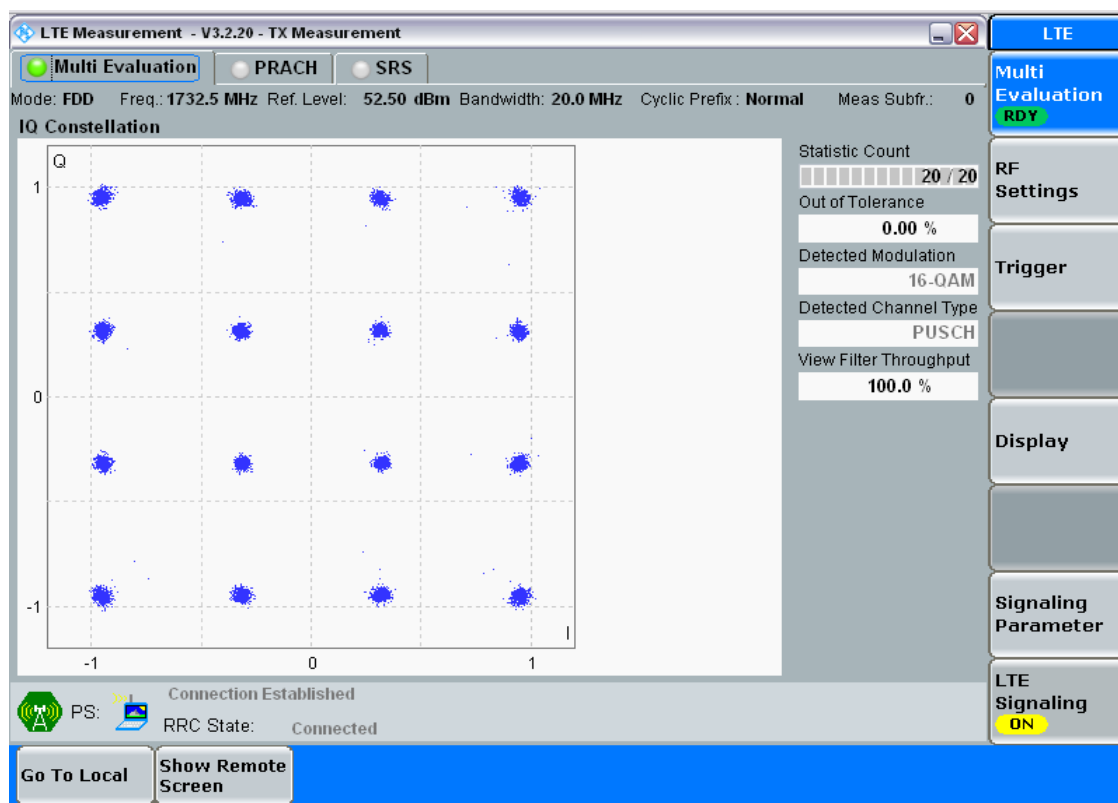
3.3.2.2.5.1.1 Test RB = RB75#0



3.3.2.2.6 Test Bandwidth = 20

3.3.2.2.6.1 Test Channel = MCH

3.3.2.2.6.1.1 Test RB = RB100#0



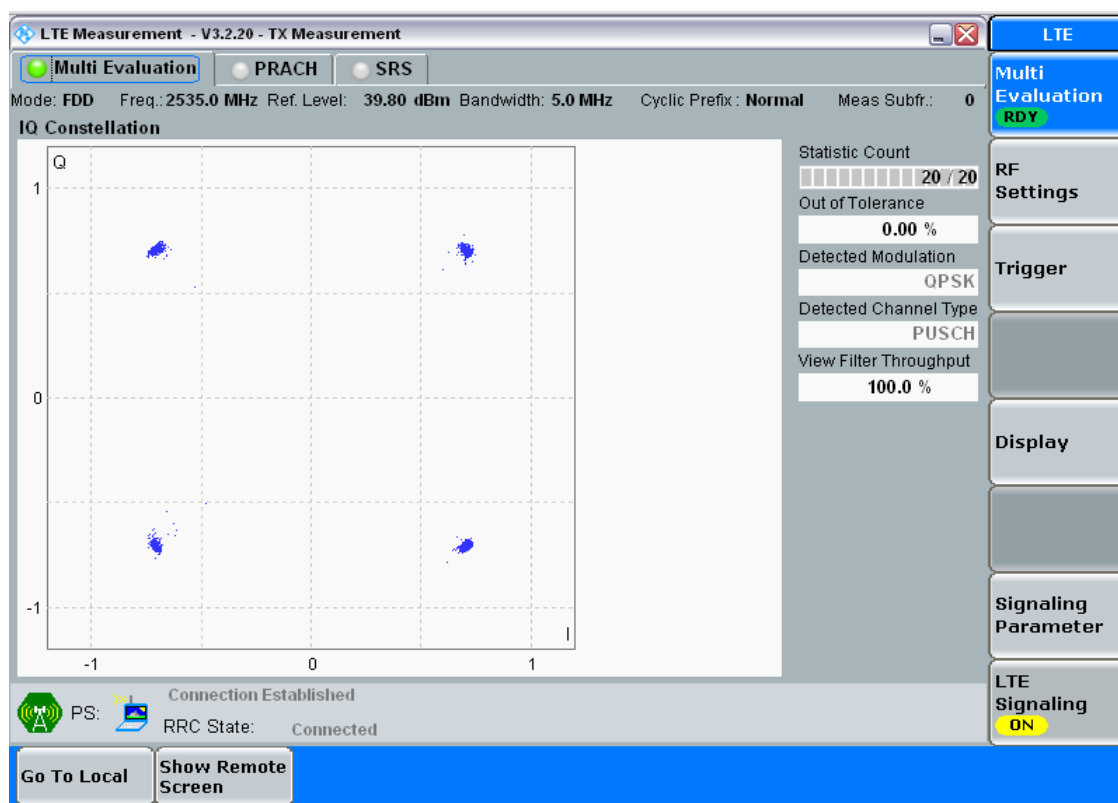
3.3.3 Test Band = BAND7

3.3.3.1 Test Mode = LTE/TM1

3.3.3.1.1 Test Bandwidth = 5

3.3.3.1.1.1 Test Channel = MCH

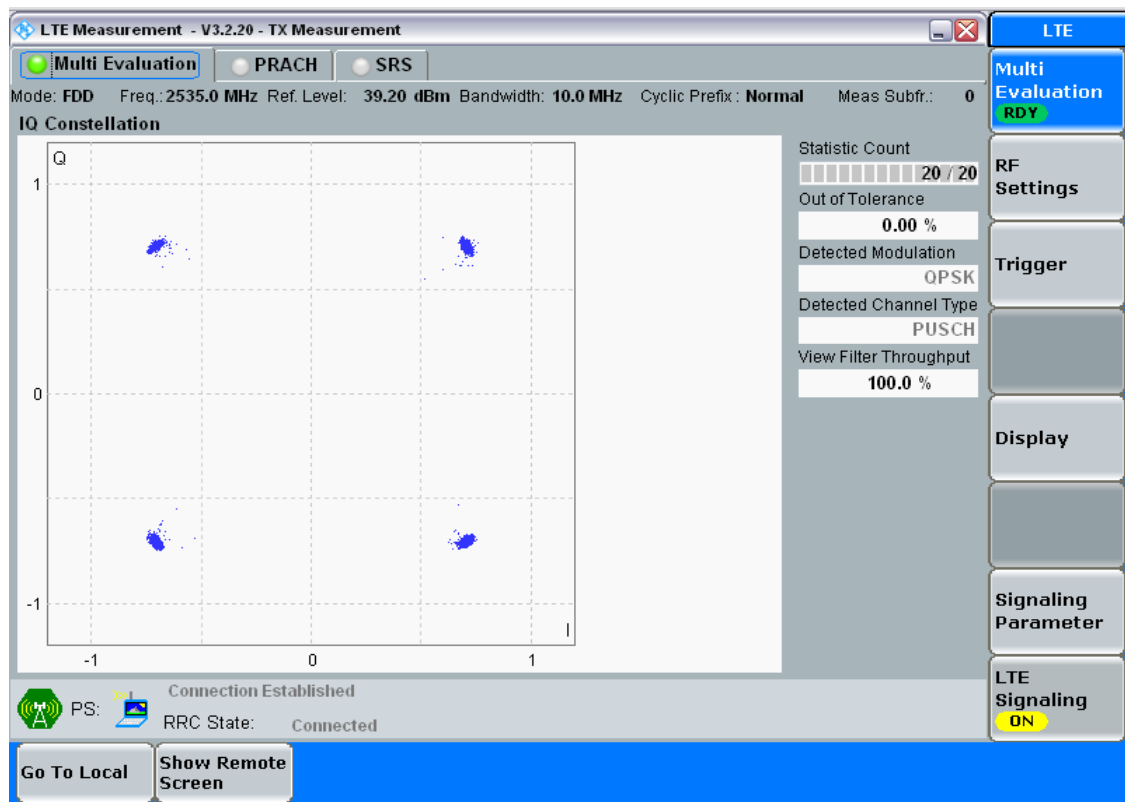
3.3.3.1.1.1.1 Test RB = RB25#0



3.3.3.1.2 Test Bandwidth = 10

3.3.3.1.2.1 Test Channel = MCH

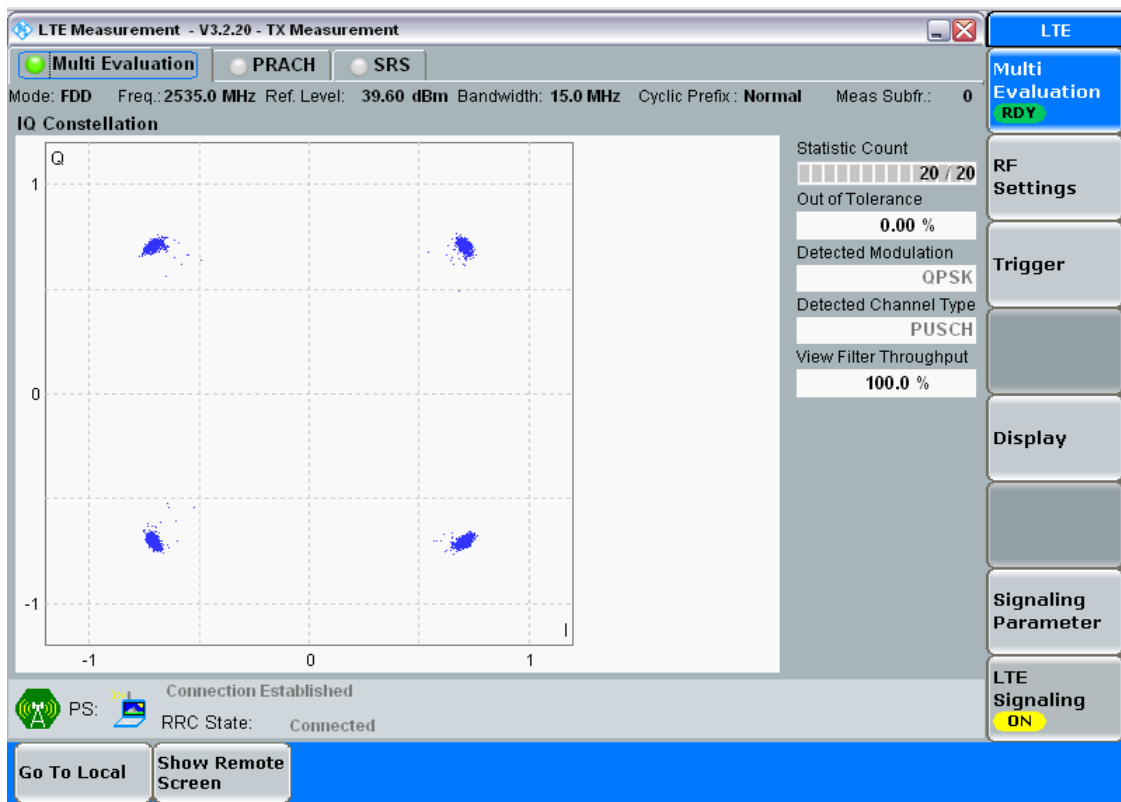
3.3.3.1.2.1.1 Test RB = RB50#0



3.3.3.1.3 Test Bandwidth = 15

3.3.3.1.3.1 Test Channel = MCH

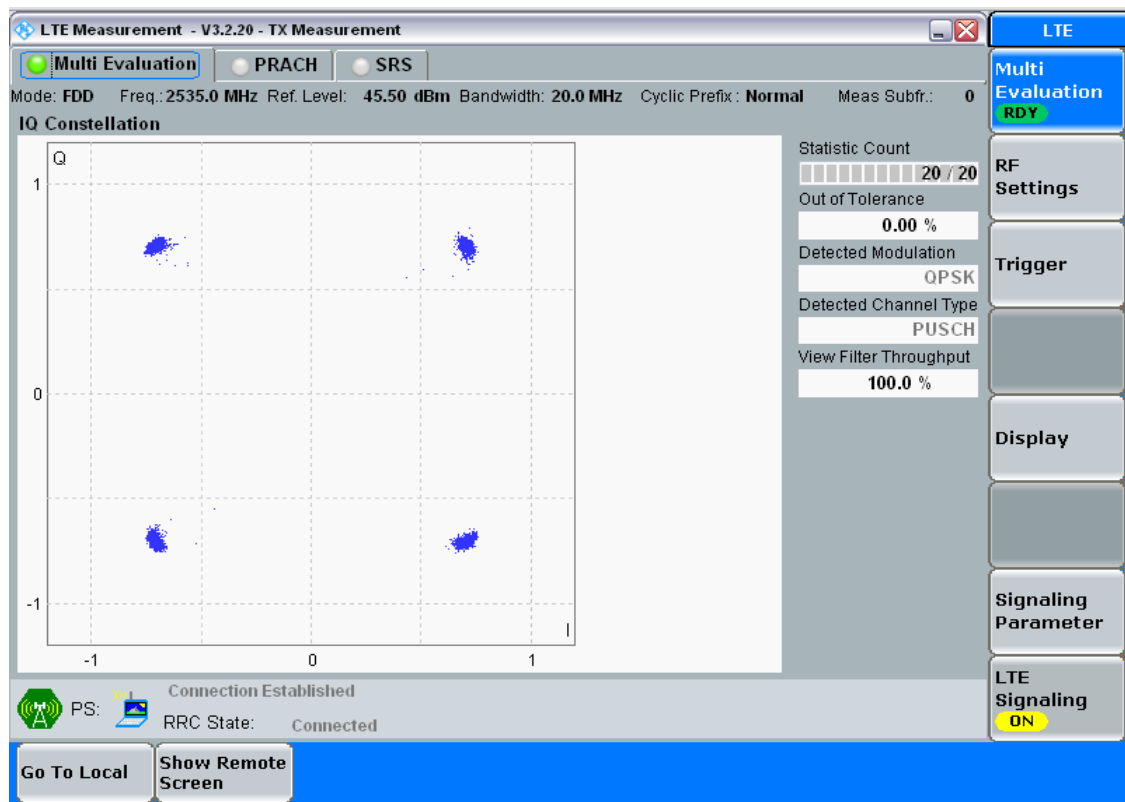
3.3.3.1.3.1.1 Test RB = RB75#0



3.3.3.1.4 Test Bandwidth = 20

3.3.3.1.4.1 Test Channel = MCH

3.3.3.1.4.1.1 Test RB = RB100#0

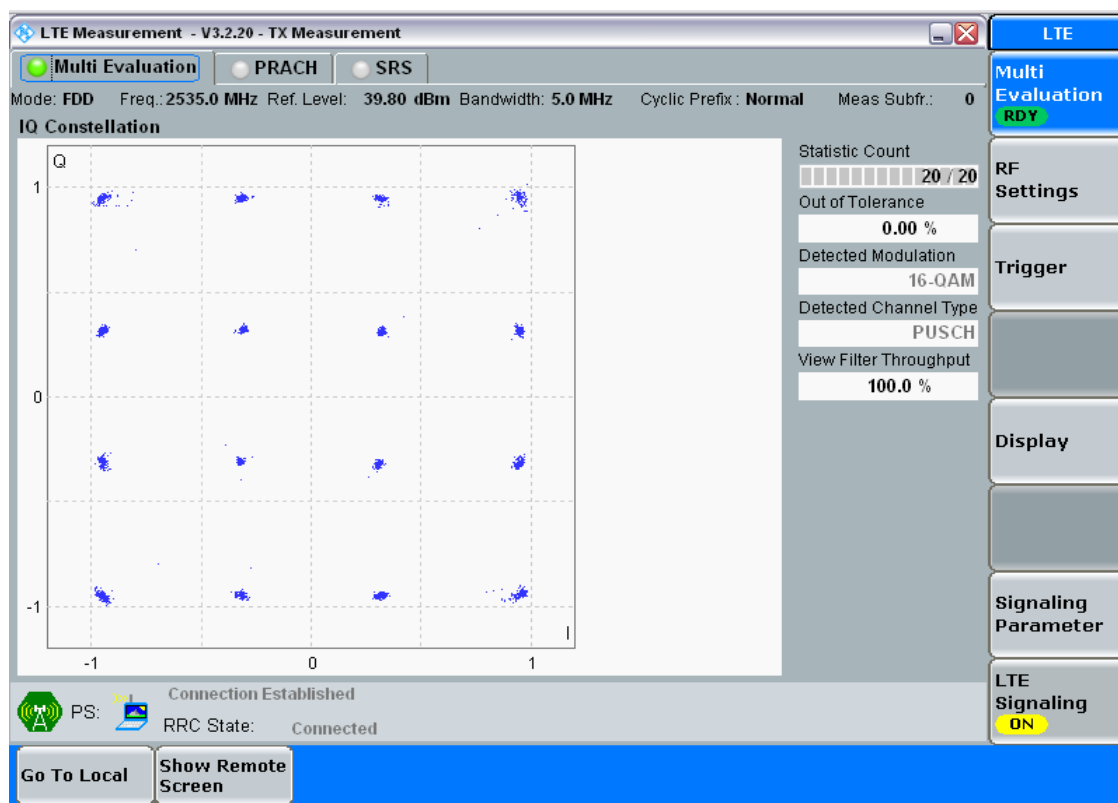


3.3.3.2 Test Mode = LTE/TM2

3.3.3.2.1 Test Bandwidth = 5

3.3.3.2.1.1 Test Channel = MCH

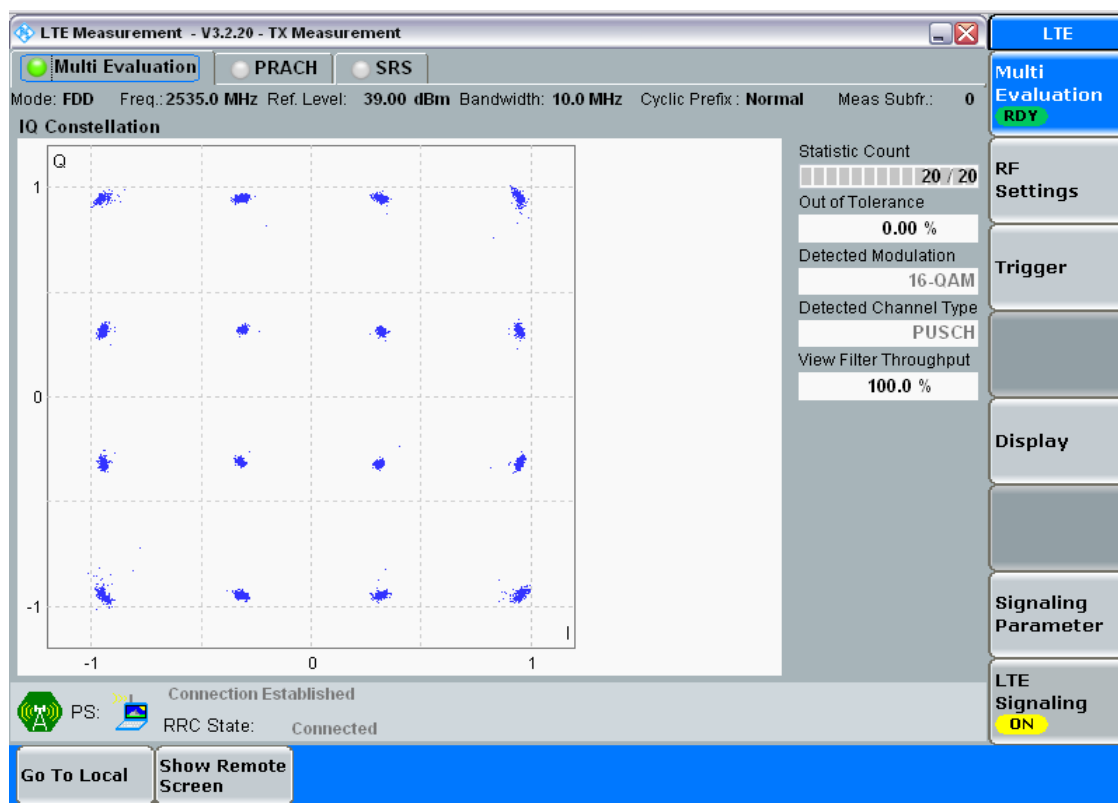
3.3.3.2.1.1.1 Test RB = RB25#0



3.3.3.2.2 Test Bandwidth = 10

3.3.3.2.2.1 Test Channel = MCH

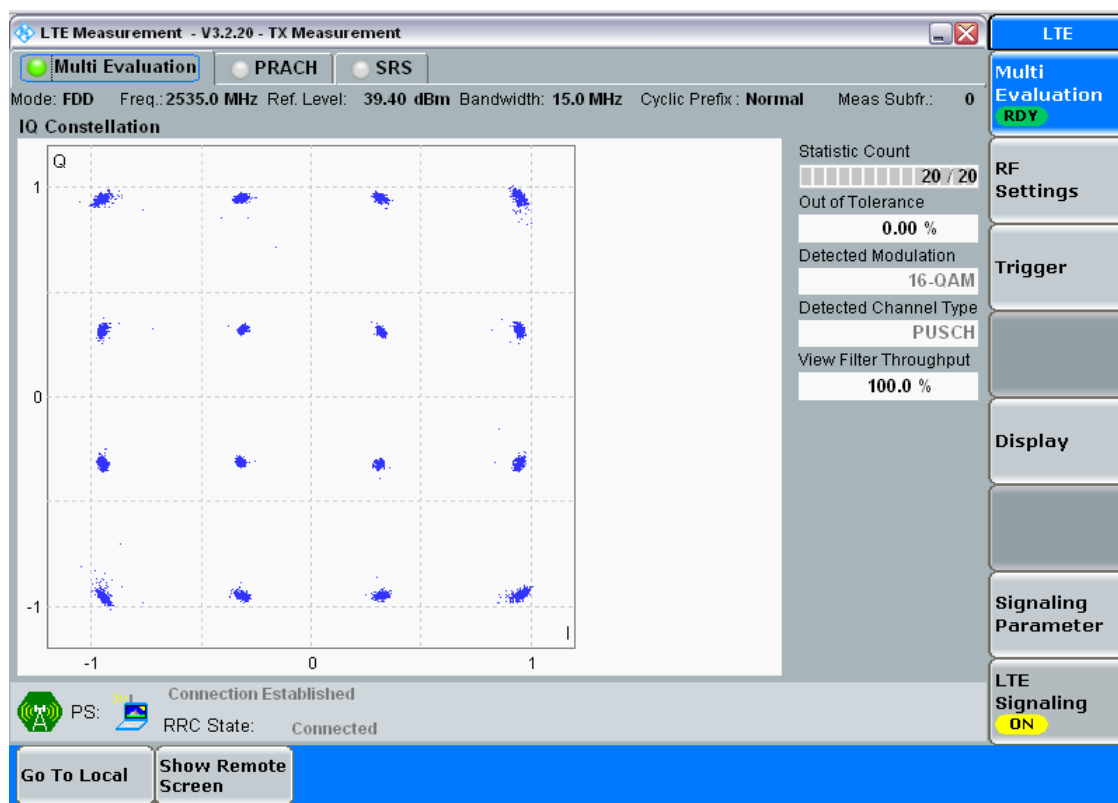
3.3.3.2.2.1.1 Test RB = RB50#0



3.3.3.2.3 Test Bandwidth = 15

3.3.3.2.3.1 Test Channel = MCH

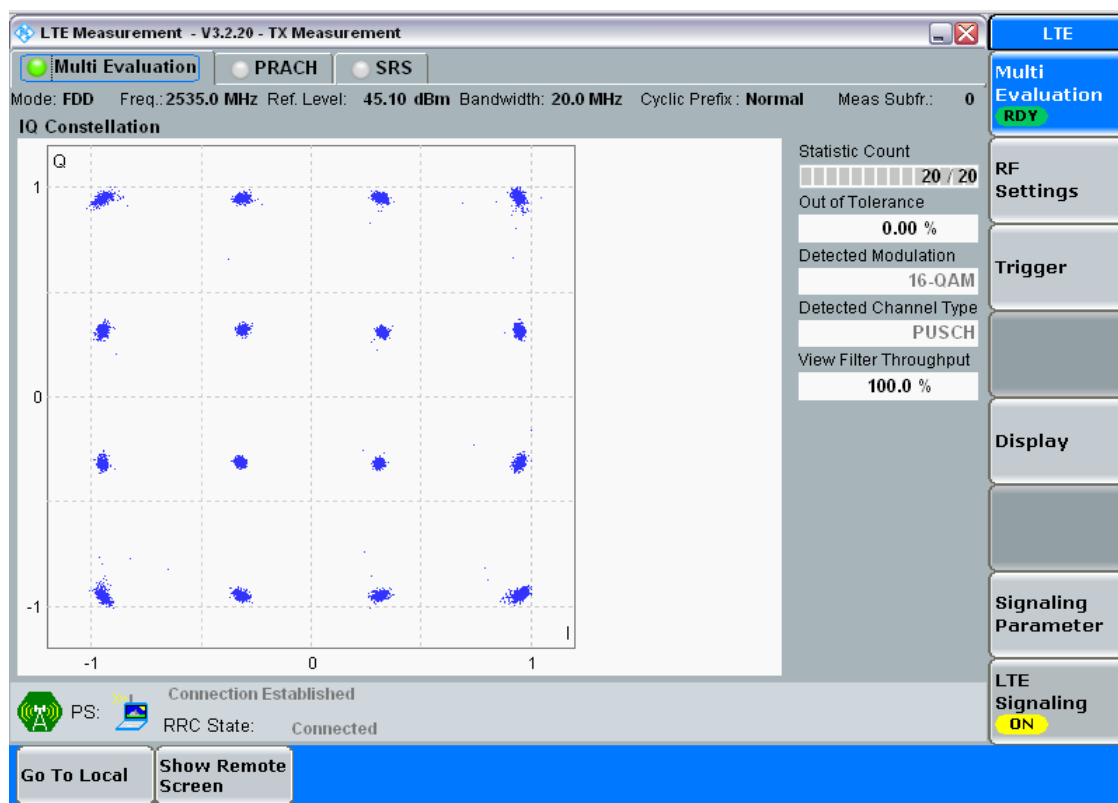
3.3.3.2.3.1.1 Test RB = RB75#0



3.3.3.2.4 Test Bandwidth = 20

3.3.3.2.4.1 Test Channel = MCH

3.3.3.2.4.1.1 Test RB = RB100#0



4Appendix_D: Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Channel	Occupied Bandwidth [kHz]	Emission Bandwidth [kHz]	Verdict
GSM850	GSM/TM1	LCH	245.42	308.57	Pass
		MCH	242.67	311.92	Pass
		HCH	243.34	313.64	Pass
	GSM/TM2	LCH	238.73	311.96	Pass
		MCH	240.95	308.82	Pass
		HCH	245.33	313.18	Pass
GSM1900	GSM/TM1	LCH	245.05	317.70	Pass
		MCH	242.97	322.73	Pass
		HCH	242.85	313.40	Pass
	GSM/TM2	LCH	242.22	301.84	Pass
		MCH	240.28	307.37	Pass
		HCH	236.51	298.33	Pass
Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
WCDMA850	UMTS/TM1	LCH	4.15	4.66	Pass
		MCH	4.14	4.66	Pass
		HCH	4.14	4.65	Pass
WCDMA1900	UMTS/TM1	LCH	4.15	4.65	Pass
		MCH	4.16	4.66	Pass
		HCH	4.15	4.67	Pass
WCDMA1700	UMTS/TM1	LCH	4.16	4.66	Pass
		MCH	4.15	4.65	Pass
		HCH	4.15	4.65	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND2	LTE/TM1	1.4	LCH	RB6#0	1.09	1.26	Pass
			MCH	RB6#0	1.09	1.26	Pass
			HCH	RB6#0	1.08	1.25	Pass
		3	LCH	RB15#0	2.70	2.93	Pass
			MCH	RB15#0	2.70	2.93	Pass
			HCH	RB15#0	2.71	2.94	Pass
		5	LCH	RB25#0	4.50	4.86	Pass
			MCH	RB25#0	4.50	4.87	Pass
			HCH	RB25#0	4.50	4.89	Pass
		10	LCH	RB50#0	8.98	9.59	Pass
			MCH	RB50#0	9.00	9.62	Pass
			HCH	RB50#0	8.98	9.60	Pass
		15	LCH	RB75#0	13.45	14.26	Pass
			MCH	RB75#0	13.47	14.27	Pass
			HCH	RB75#0	13.45	14.23	Pass
		20	LCH	RB100#0	17.87	18.91	Pass
			MCH	RB100#0	17.92	18.98	Pass
			HCH	RB100#0	17.91	18.98	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.27	Pass
			MCH	RB6#0	1.09	1.27	Pass
			HCH	RB6#0	1.09	1.26	Pass
		3	LCH	RB15#0	2.70	2.93	Pass
			MCH	RB15#0	2.70	2.94	Pass
			HCH	RB15#0	2.71	2.94	Pass
		5	LCH	RB25#0	4.50	4.86	Pass
			MCH	RB25#0	4.50	4.86	Pass
			HCH	RB25#0	4.51	4.88	Pass
		10	LCH	RB50#0	8.98	9.62	Pass
			MCH	RB50#0	8.98	9.58	Pass
			HCH	RB50#0	8.99	9.63	Pass
		15	LCH	RB75#0	13.44	14.24	Pass
			MCH	RB75#0	13.46	14.25	Pass
			HCH	RB75#0	13.45	14.26	Pass
		20	LCH	RB100#0	17.87	18.94	Pass
			MCH	RB100#0	17.93	18.97	Pass
			HCH	RB100#0	17.92	18.97	Pass
BAND4	LTE/TM1	1.4	LCH	RB6#0	1.09	1.26	Pass
			MCH	RB6#0	1.09	1.25	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
		3	HCH	RB6#0	1.09	1.26	Pass
			LCH	RB15#0	2.70	2.94	Pass
			MCH	RB15#0	2.70	2.93	Pass
			HCH	RB15#0	2.70	2.94	Pass
		5	LCH	RB25#0	4.50	4.85	Pass
			MCH	RB25#0	4.50	4.84	Pass
			HCH	RB25#0	4.50	4.88	Pass
		10	LCH	RB50#0	8.98	9.61	Pass
			MCH	RB50#0	8.99	9.61	Pass
			HCH	RB50#0	8.98	9.58	Pass
		15	LCH	RB75#0	13.44	14.27	Pass
			MCH	RB75#0	13.48	14.27	Pass
			HCH	RB75#0	13.45	14.25	Pass
		20	LCH	RB100#0	17.86	18.92	Pass
			MCH	RB100#0	17.94	18.97	Pass
			HCH	RB100#0	17.95	18.98	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.26	Pass
			MCH	RB6#0	1.09	1.28	Pass
			HCH	RB6#0	1.09	1.26	Pass
		3	LCH	RB15#0	2.70	2.94	Pass
			MCH	RB15#0	2.70	2.94	Pass
			HCH	RB15#0	2.71	2.93	Pass
		5	LCH	RB25#0	4.50	4.85	Pass
			MCH	RB25#0	4.50	4.88	Pass
			HCH	RB25#0	4.51	4.85	Pass
		10	LCH	RB50#0	8.98	9.58	Pass
			MCH	RB50#0	8.98	9.61	Pass
			HCH	RB50#0	8.99	9.58	Pass
		15	LCH	RB75#0	13.44	14.21	Pass
			MCH	RB75#0	13.47	14.28	Pass
			HCH	RB75#0	13.46	14.27	Pass
BAND7	LTE/TM1	5	LCH	RB25#0	4.50	4.83	Pass
			MCH	RB25#0	4.50	4.85	Pass
			HCH	RB25#0	4.50	4.89	Pass
		10	LCH	RB50#0	8.99	9.61	Pass
			MCH	RB50#0	8.98	9.63	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
		15	HCH	RB50#0	8.99	9.65	Pass
			LCH	RB75#0	13.46	14.28	Pass
			MCH	RB75#0	13.47	14.28	Pass
			HCH	RB75#0	13.47	14.27	Pass
		20	LCH	RB100#0	17.89	18.96	Pass
			MCH	RB100#0	17.91	18.95	Pass
			HCH	RB100#0	17.92	18.98	Pass
	LTE/TM2	5	LCH	RB25#0	4.50	4.85	Pass
			MCH	RB25#0	4.50	4.87	Pass
			HCH	RB25#0	4.51	4.89	Pass
		10	LCH	RB50#0	8.99	9.62	Pass
			MCH	RB50#0	8.98	9.59	Pass
			HCH	RB50#0	9.00	9.59	Pass
		15	LCH	RB75#0	13.45	14.27	Pass
			MCH	RB75#0	13.47	14.28	Pass
			HCH	RB75#0	13.46	14.27	Pass
		20	LCH	RB100#0	17.91	18.96	Pass
			MCH	RB100#0	17.92	18.95	Pass
			HCH	RB100#0	17.92	18.98	Pass

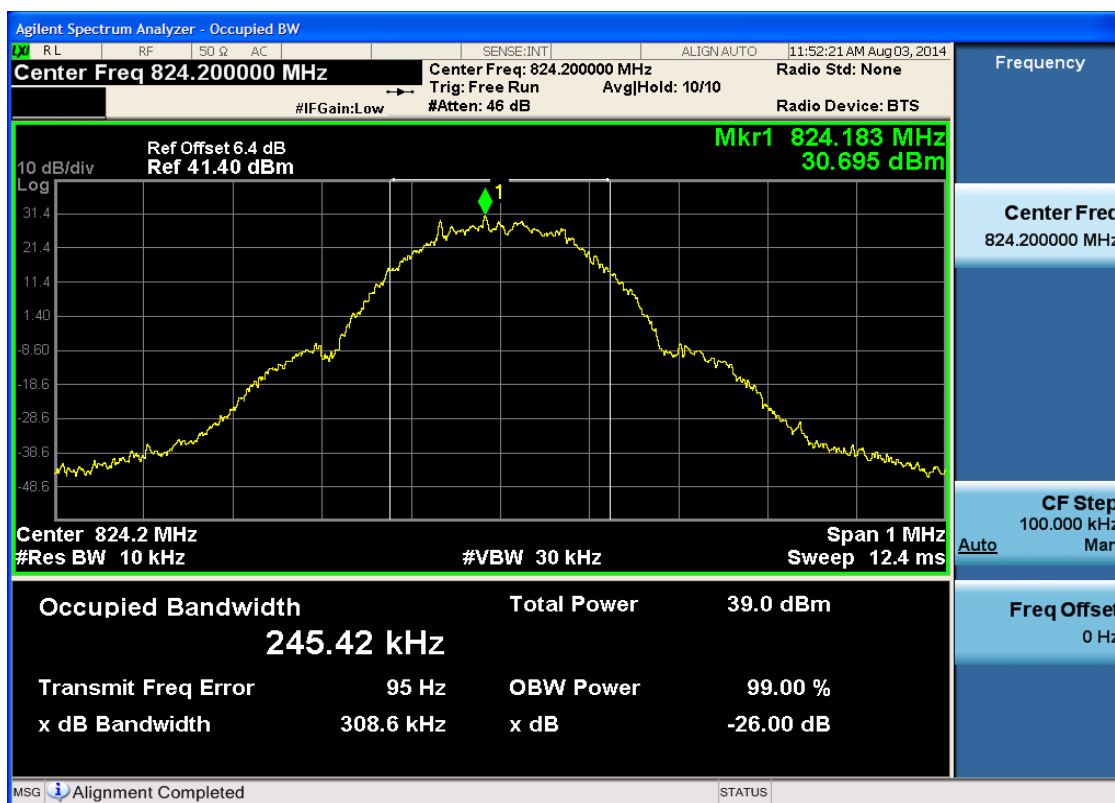
Part II - Test Plots

4.1 For GSM

4.1.1 Test Band = GSM850

4.1.1.1 Test Mode = GSM/TM1

4.1.1.1.1 Test Channel = LCH





Agilent Spectrum Analyzer - Occupied BW

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 11:52:41 AM Aug 03, 2014

Center Freq 836.600000 MHz Center Freq: 836.600000 MHz Radio Std: None
Trig: Free Run Avg/Hold: 10/10
#IFGain: Low #Atten: 46 dB Radio Device: BTS

Ref Offset 6.4 dB Mkr1 836.63 MHz
Ref 41.40 dBm 29.841 dBm

10 dB/div
Log

Center 836.6 MHz Span 1 MHz
#Res BW 10 kHz #VBW 30 kHz Sweep 12.4 ms

Occupied Bandwidth		Total Power	
242.67 kHz		38.9 dBm	
Transmit Freq Error	272 Hz	OBW Power	99.00 %
x dB Bandwidth	311.9 kHz	x dB	-26.00 dB

MSG File <PICTURE.png> saved STATUS

Frequency

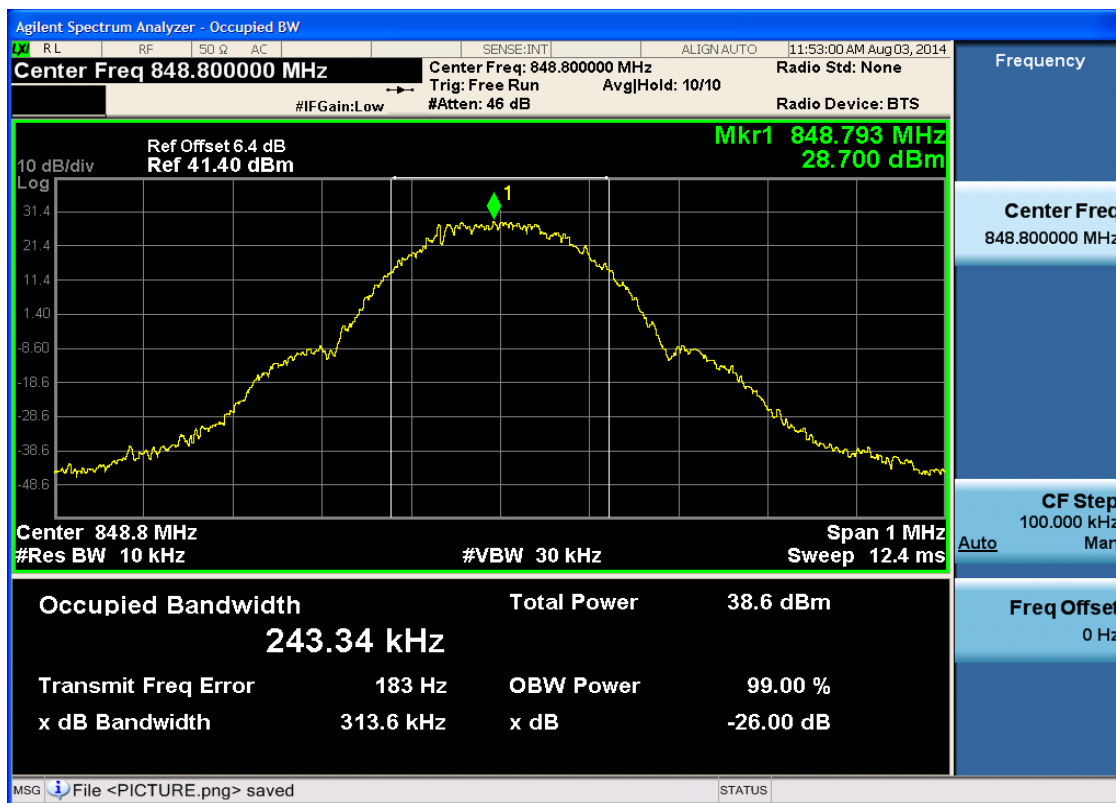
Center Freq
836.600000 MHz

CF Step
100.000 kHz
Mar

Auto

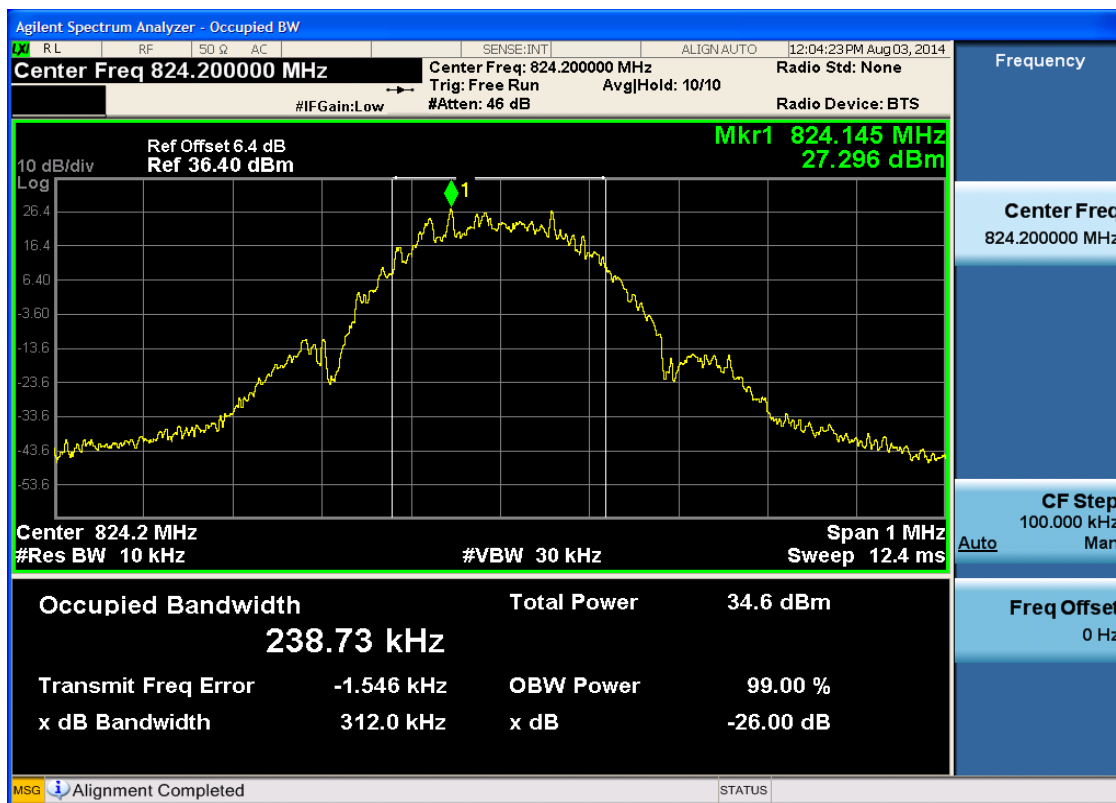
Freq Offset
0 Hz

4.1.1.1.3 Test Channel = HCH

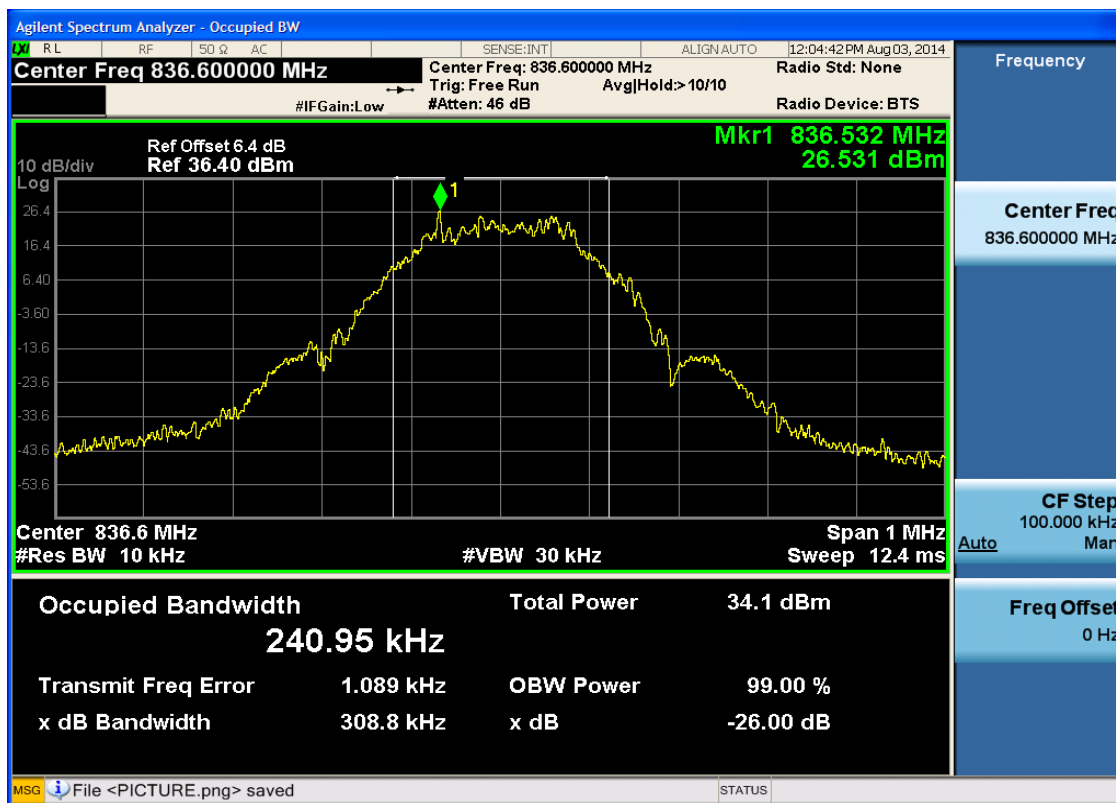


4.1.1.2 Test Mode = GSM/TM2

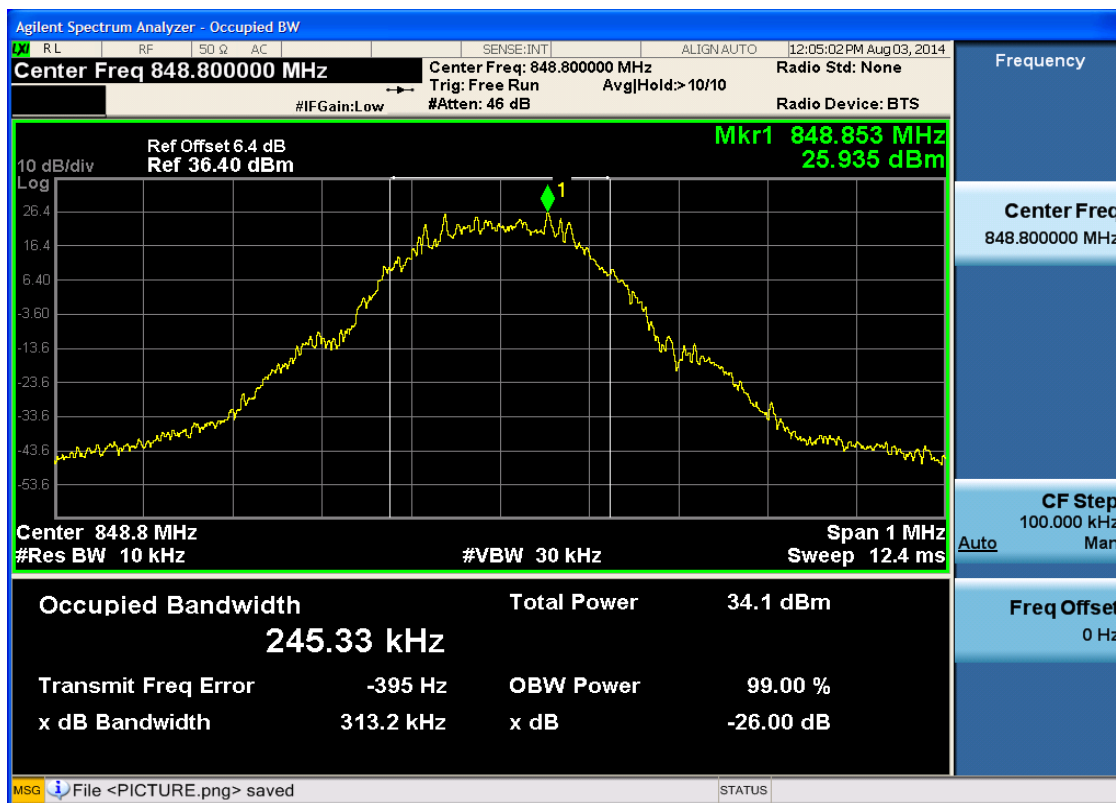
4.1.1.2.1 Test Channel = LCH



4.1.1.2.2 Test Channel = MCH



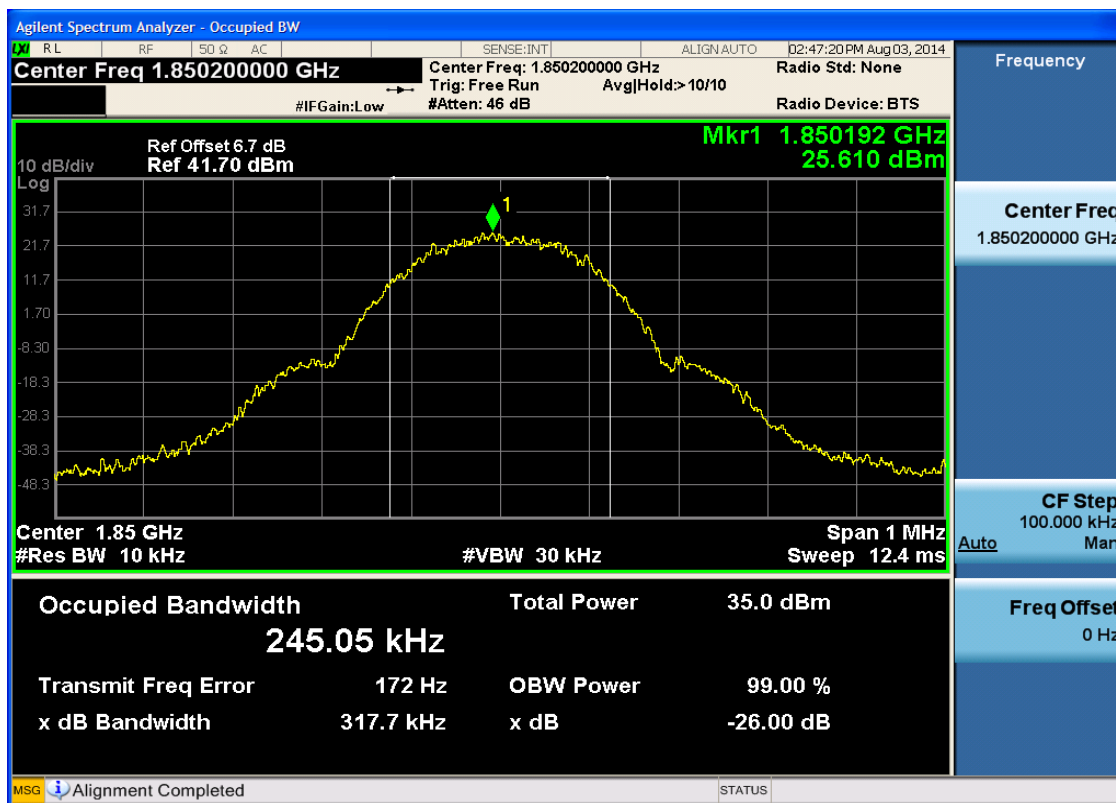
4.1.1.2.3 Test Channel = HCH



4.1.2 Test Band = GSM1900

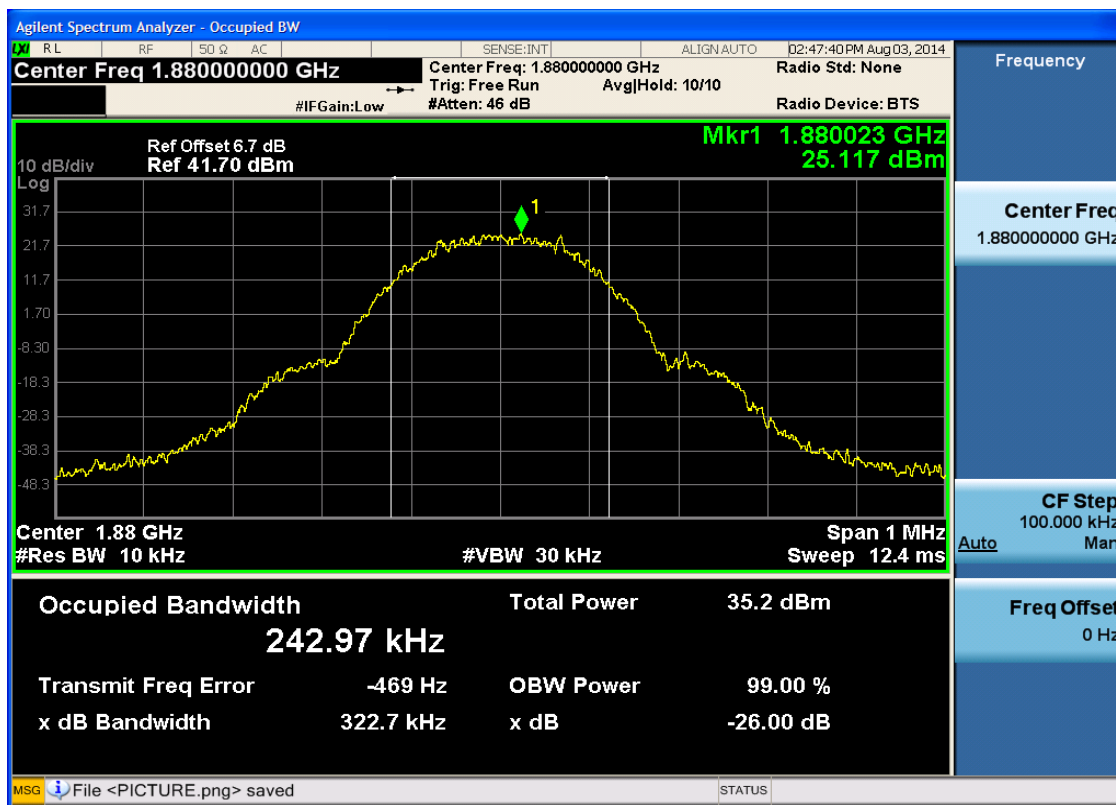
4.1.2.1 Test Mode = GSM/TM1

4.1.2.1.1 Test Channel = LCH



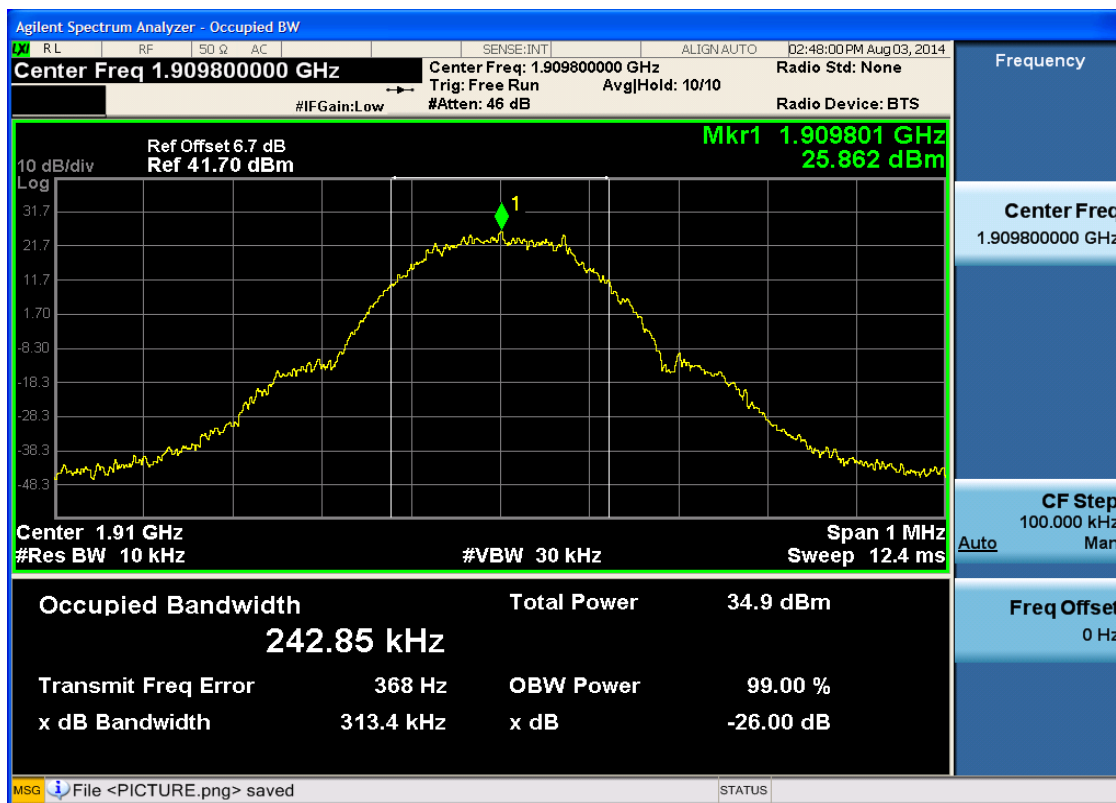


4.1.2.1.2 Test Channel = MCH



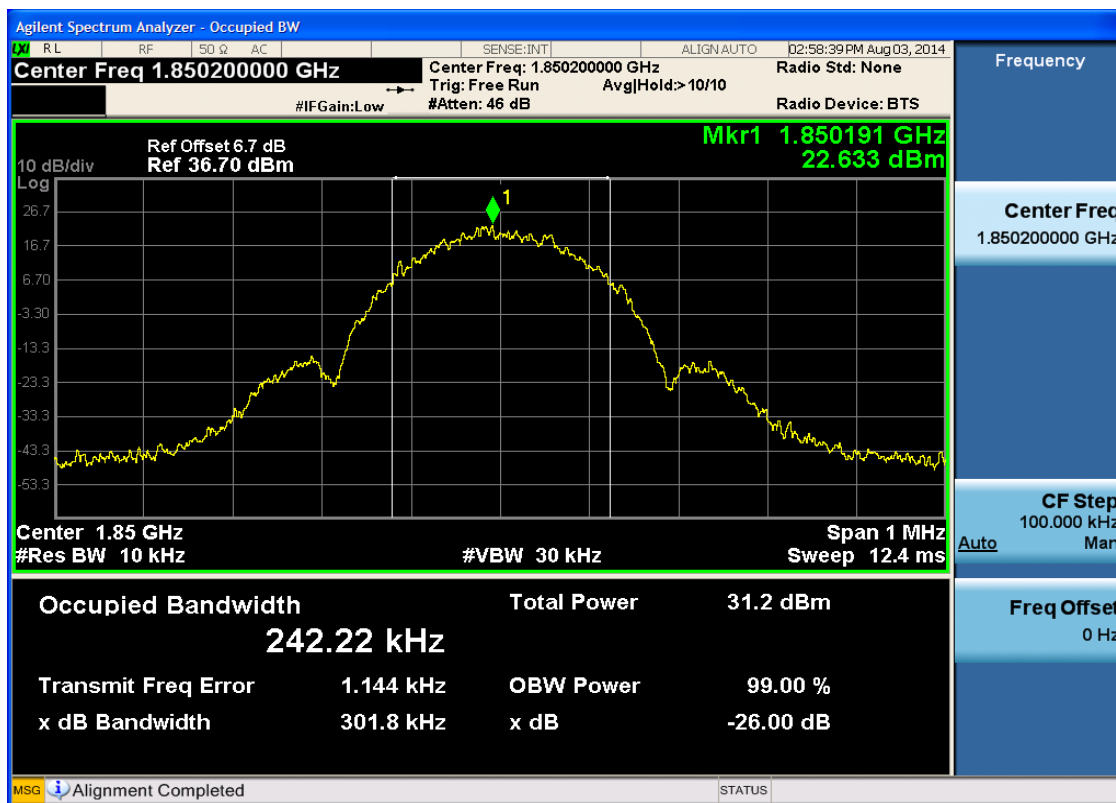


4.1.2.1.3 Test Channel = HCH



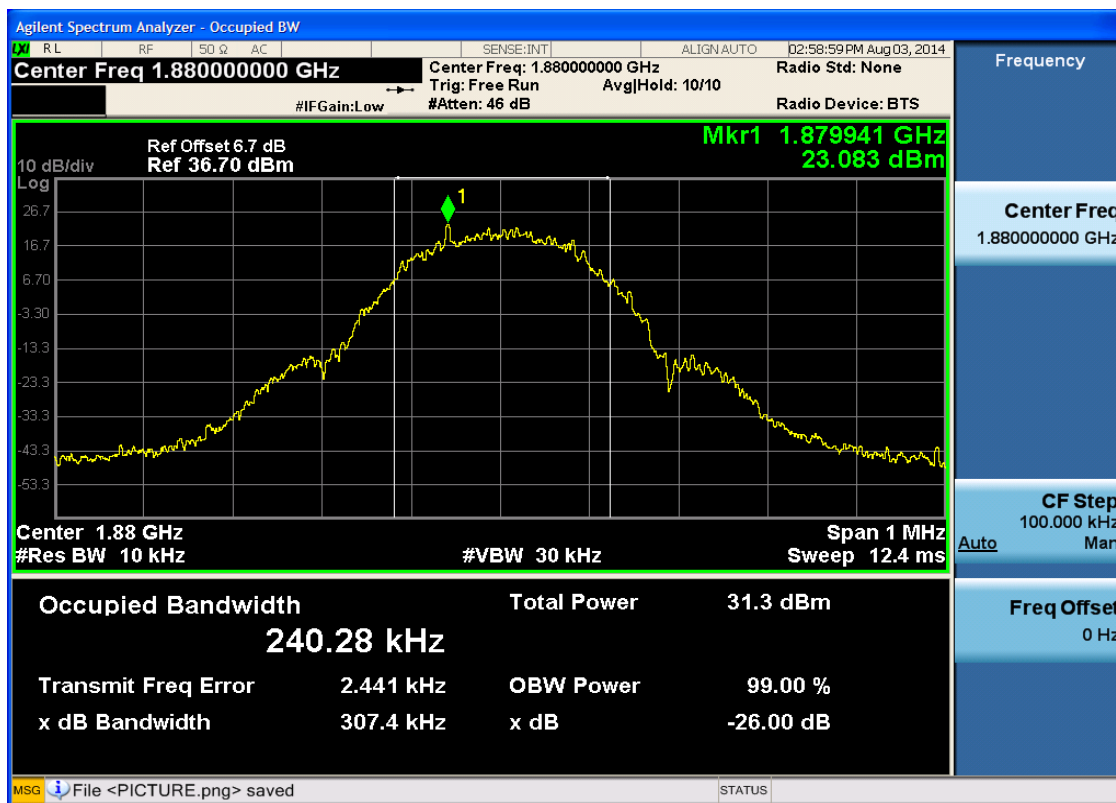
4.1.2.2 Test Mode = GSM/TM2

4.1.2.2.1 Test Channel = LCH



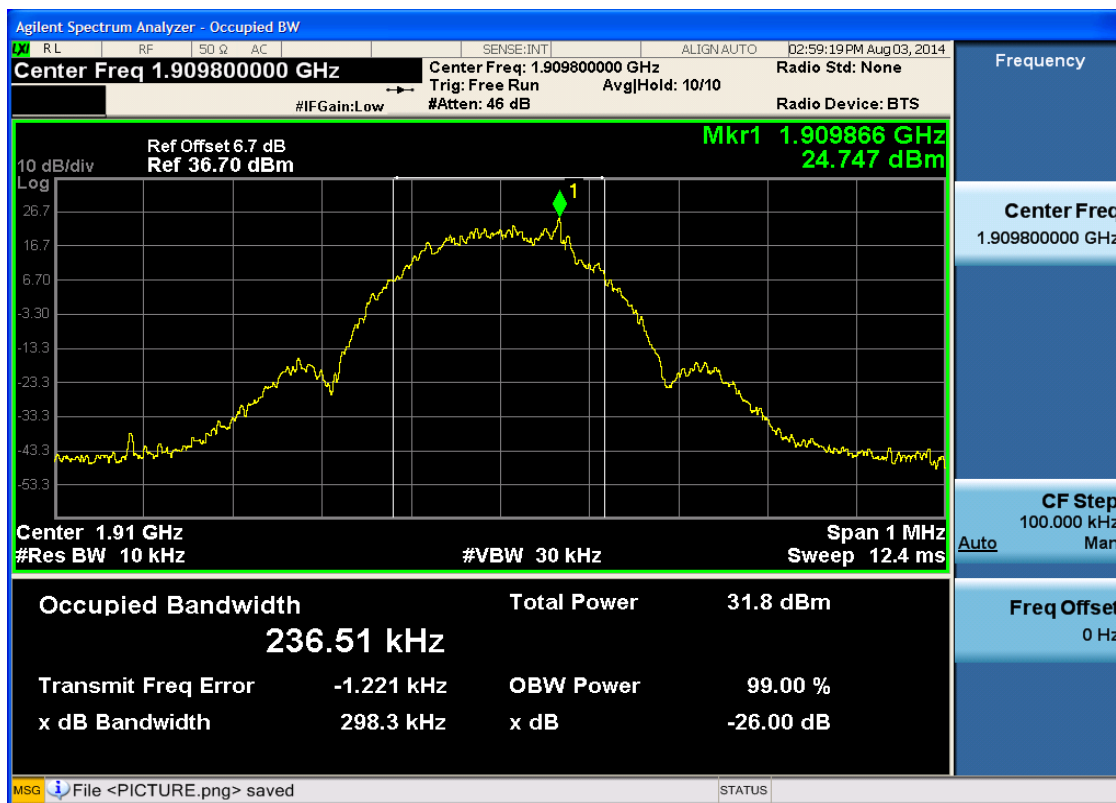


4.1.2.2.2 Test Channel = MCH





4.1.2.2.3 Test Channel = HCH

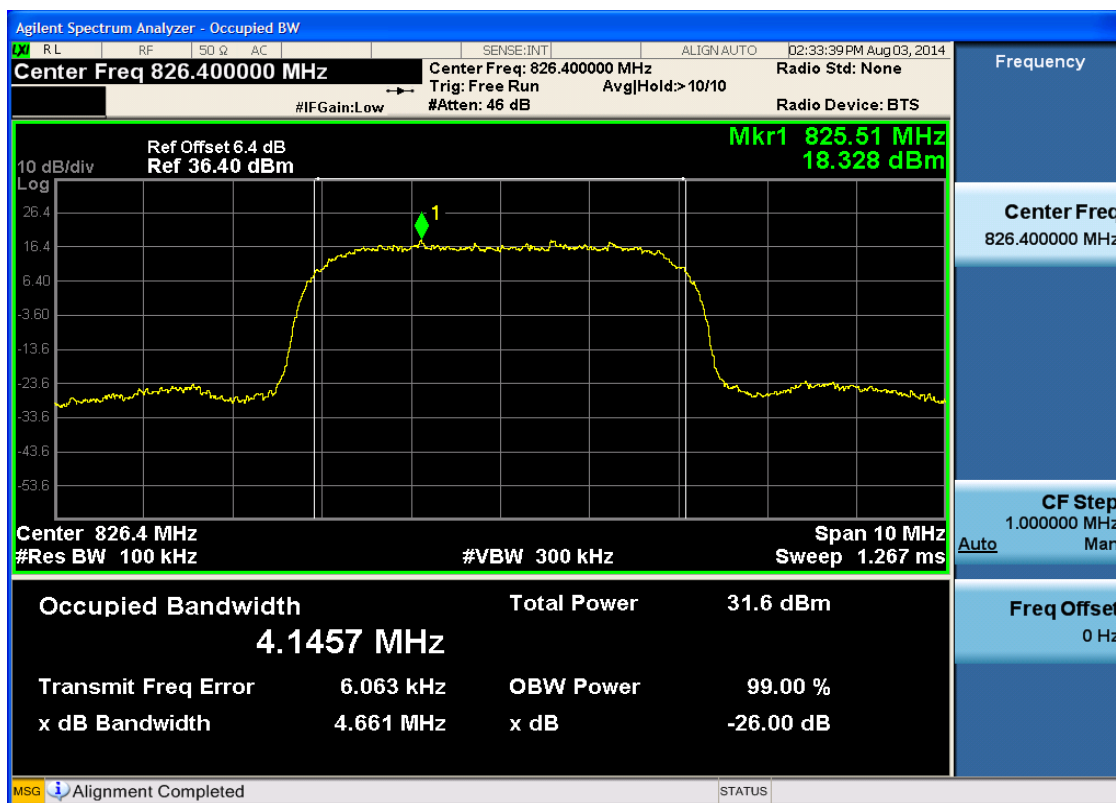


4.2 For UMTS

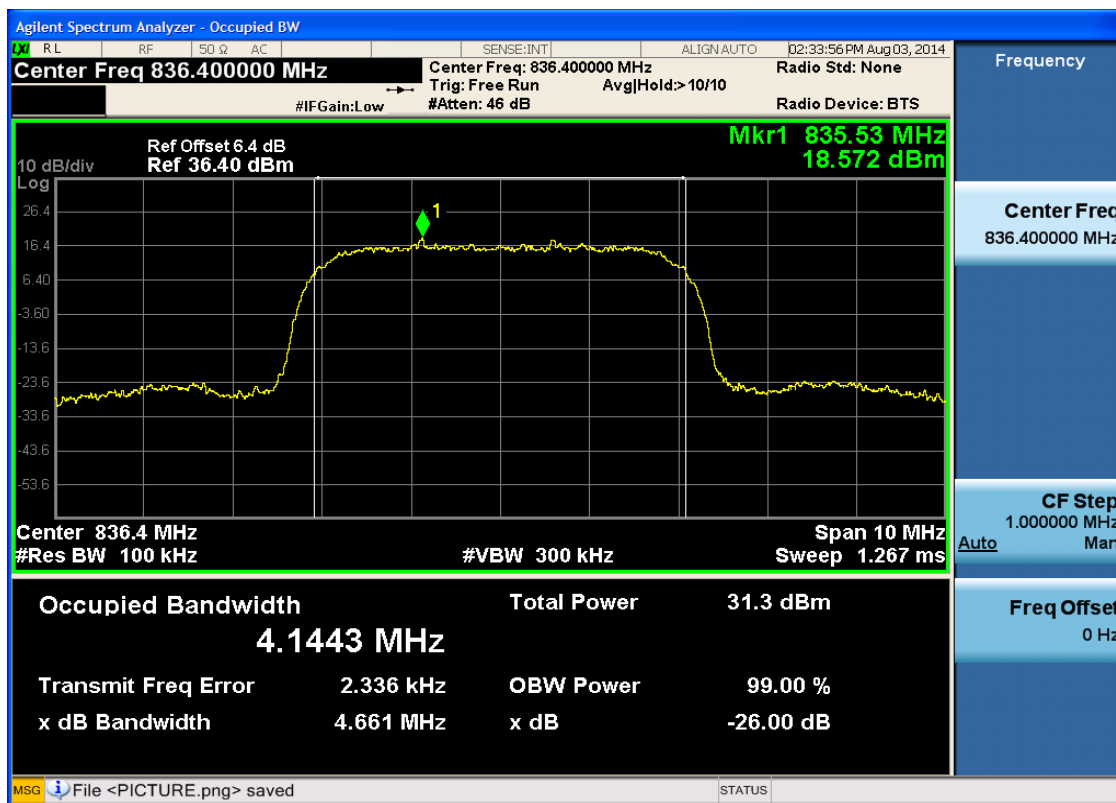
4.2.1 Test Band = WCDMA850

4.2.1.1 Test Mode = UMTS/TM1

4.2.1.1.1 Test Channel = LCH



4.2.1.1.2 Test Channel = MCH





Agilent Spectrum Analyzer - Occupied BW

RL RF 50 Ω AC SENSE:INT ALIGN: AUTO 02:34:13 PM Aug 03, 2014

Center Freq 846.600000 MHz Center Freq: 846.600000 MHz Radio Std: None
Trig: Free Run Avg/Hold: 10/10
#IFGain: Low #Atten: 46 dB Radio Device: BTS

Ref Offset 6.4 dB Mkr1 845.72 MHz
Ref 36.40 dBm 17.979 dBm

10 dB/div
Log

Center 846.6 MHz Span 10 MHz
#Res BW 100 kHz #VBW 300 kHz Sweep 1.267 ms

Occupied Bandwidth	Total Power
4.1369 MHz	30.8 dBm

Transmit Freq Error	OBW Power
-361 Hz	99.00 %
x dB Bandwidth	x dB
4.650 MHz	-26.00 dB

MSG File <PICTURE.png> saved STATUS

Frequency

Center Freq
846.600000 MHz

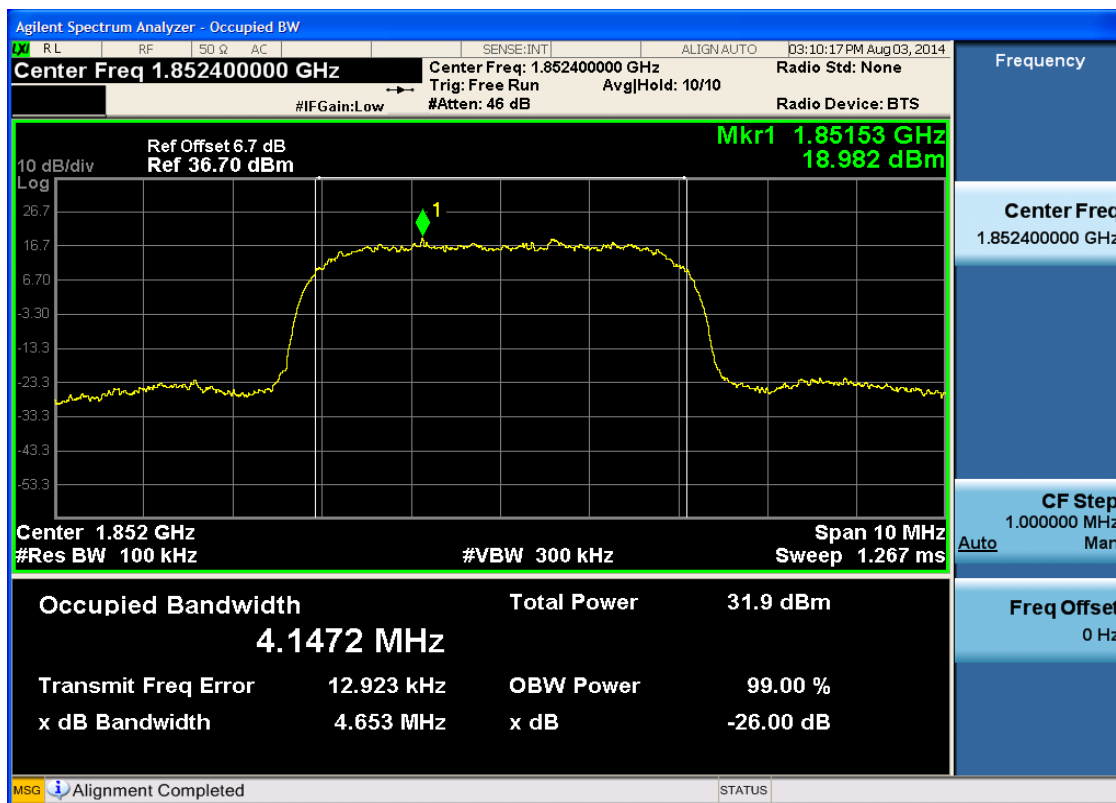
CF Step
1.000000 MHz
Auto

Freq Offset
0 Hz

4.2.2 Test Band = WCDMA1900

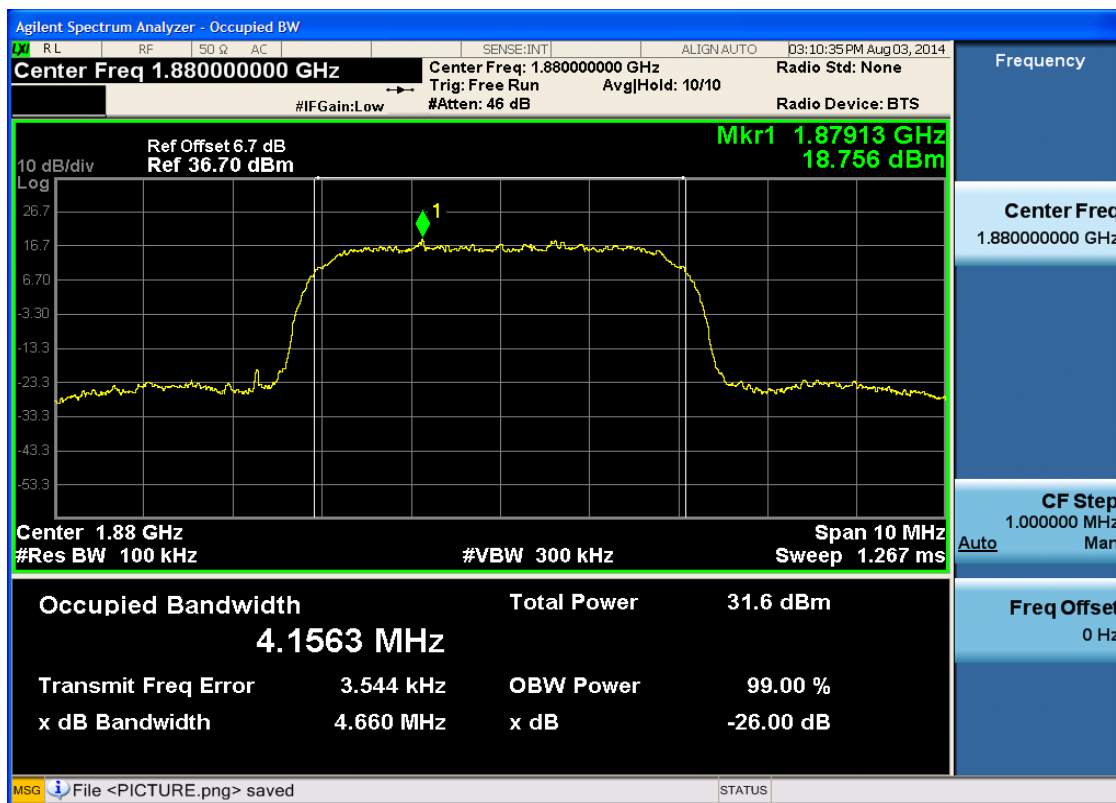
4.2.2.1 Test Mode = UMTS/TM1

4.2.2.1.1 Test Channel = LCH



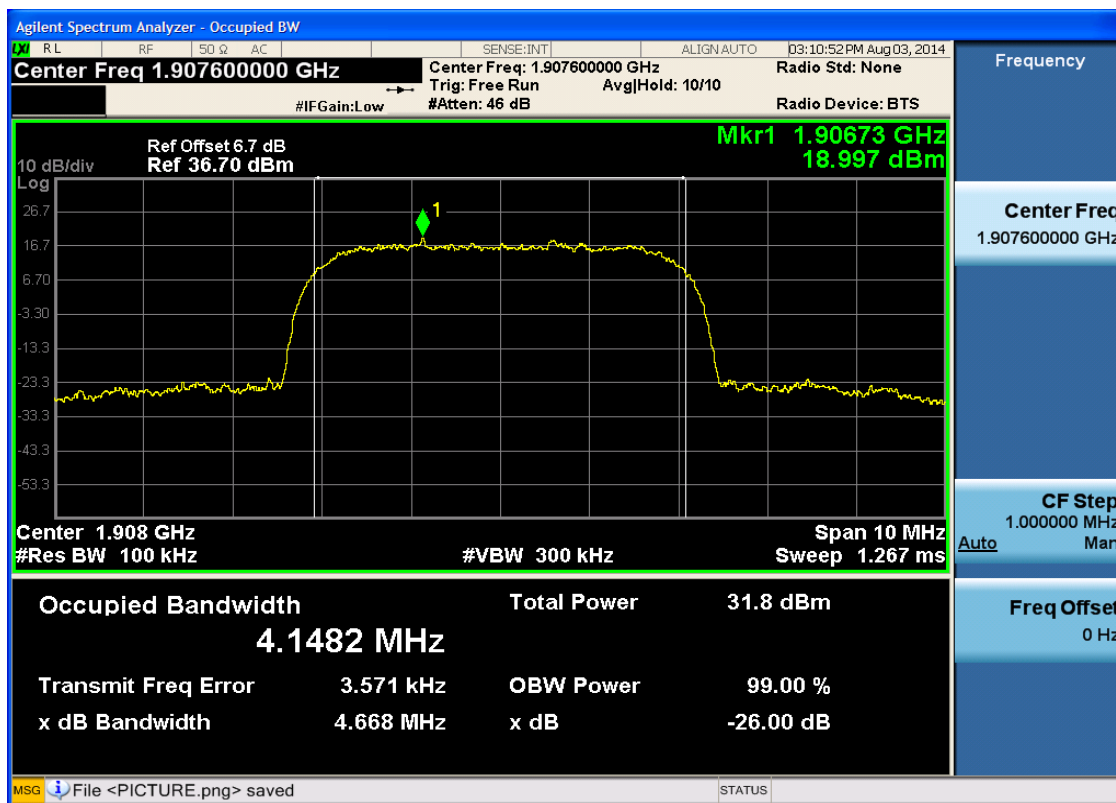


4.2.2.1.2 Test Channel = MCH





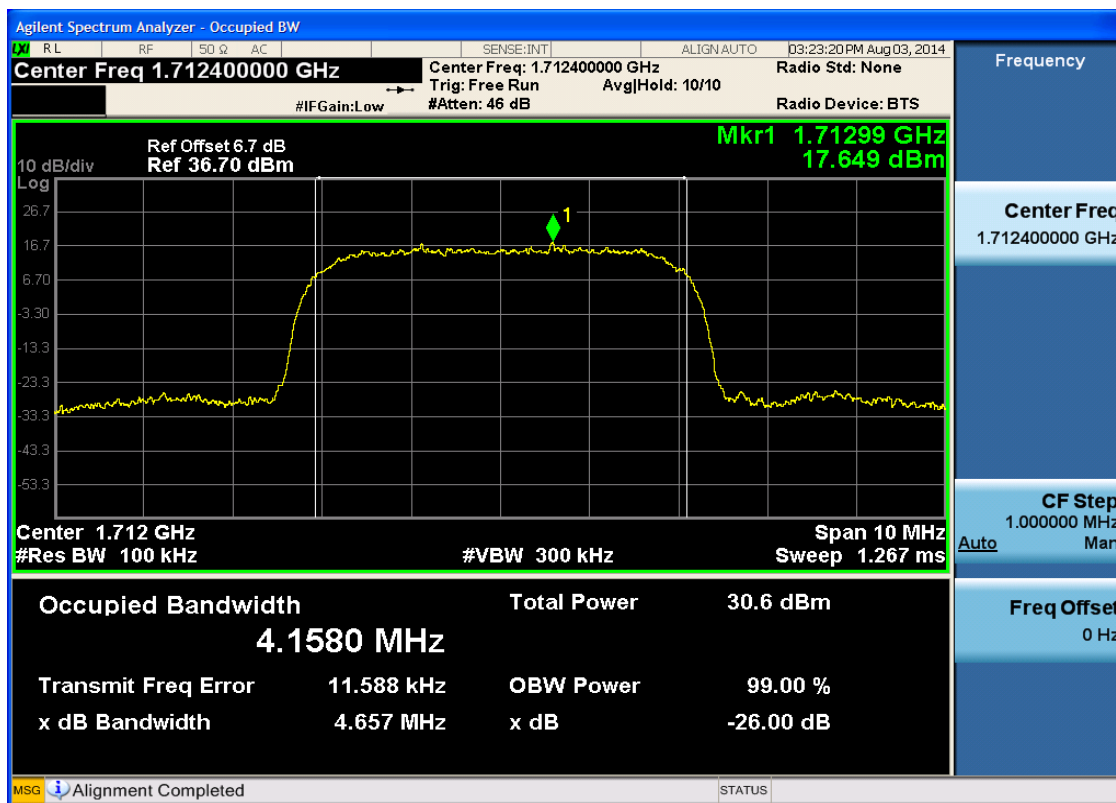
4.2.2.1.3 Test Channel = HCH



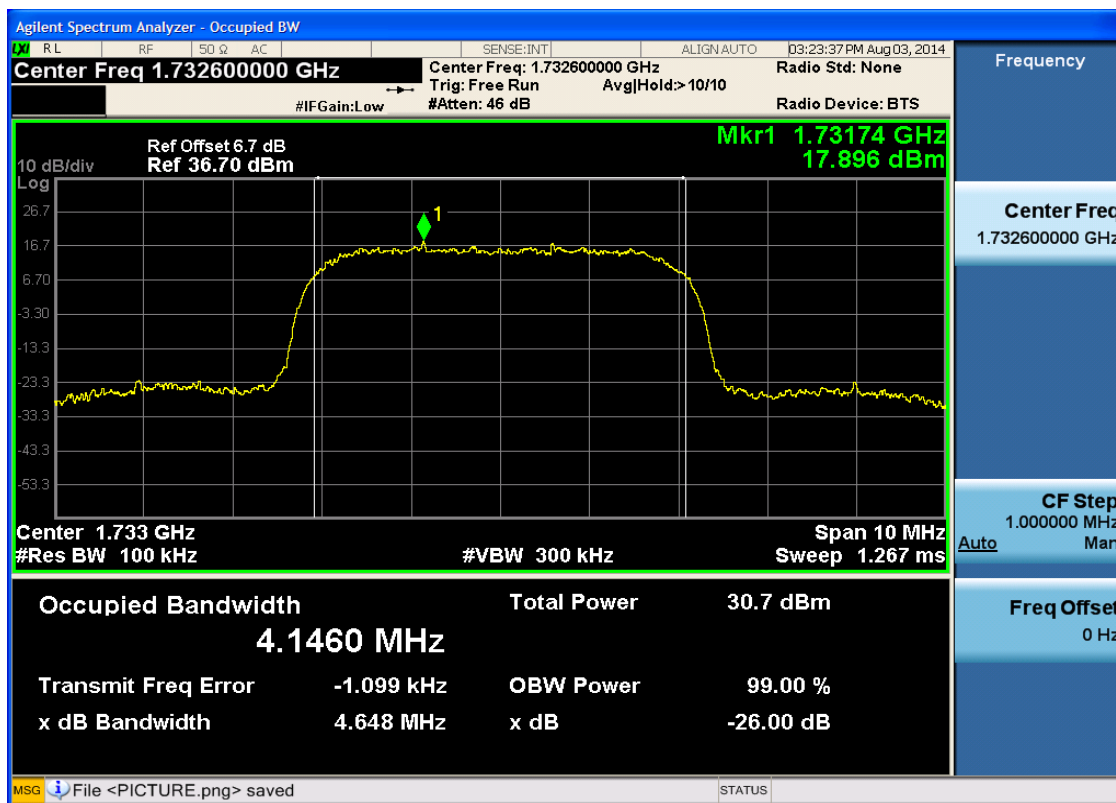
4.2.3 Test Band = WCDMA1700

4.2.3.1 Test Mode = UMTS/TM1

4.2.3.1.1 Test Channel = LCH

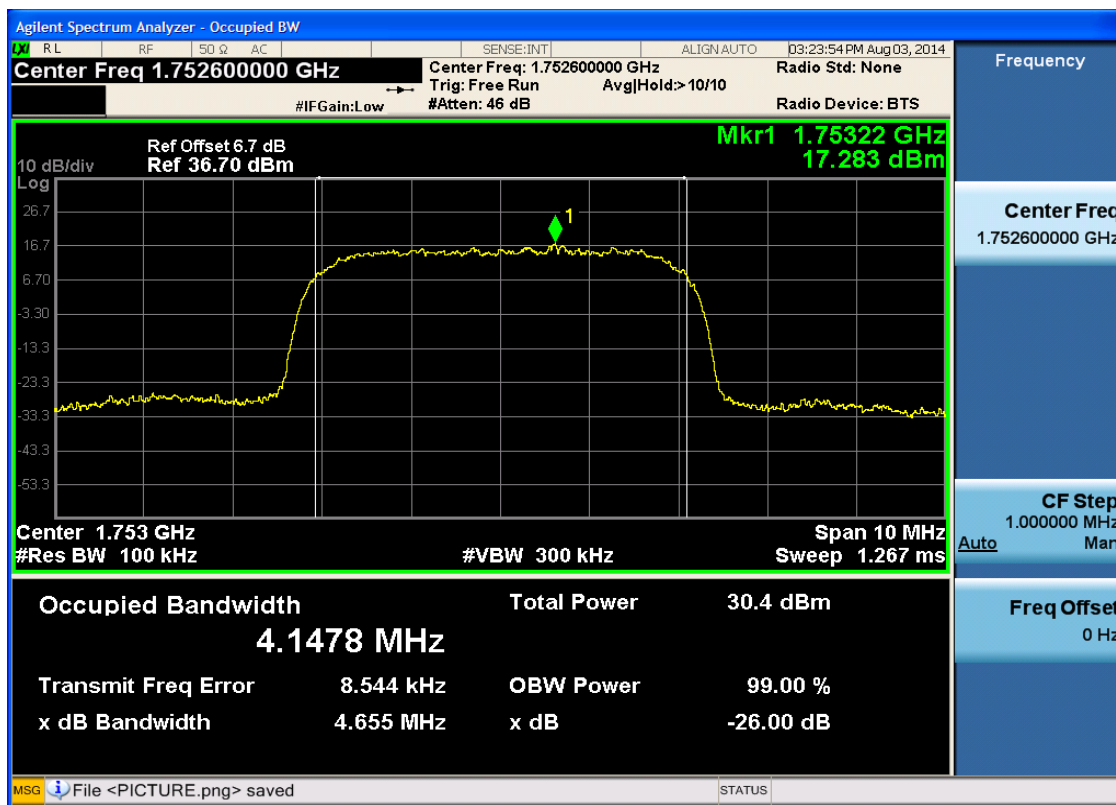


4.2.3.1.2 Test Channel = MCH





4.2.3.1.3 Test Channel = HCH





4.3 For LTE

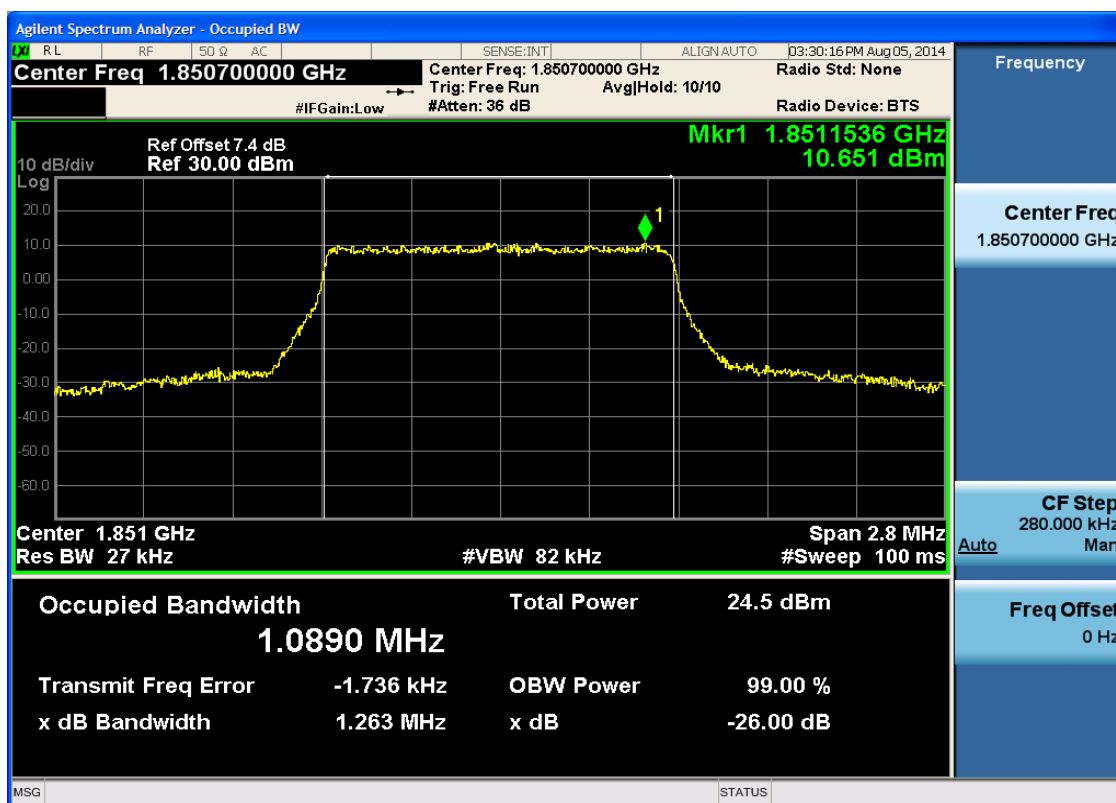
4.3.1 Test Band = BAND2

4.3.1.1 Test Mode = LTE/TM1

4.3.1.1.1 Test Bandwidth = 1.4

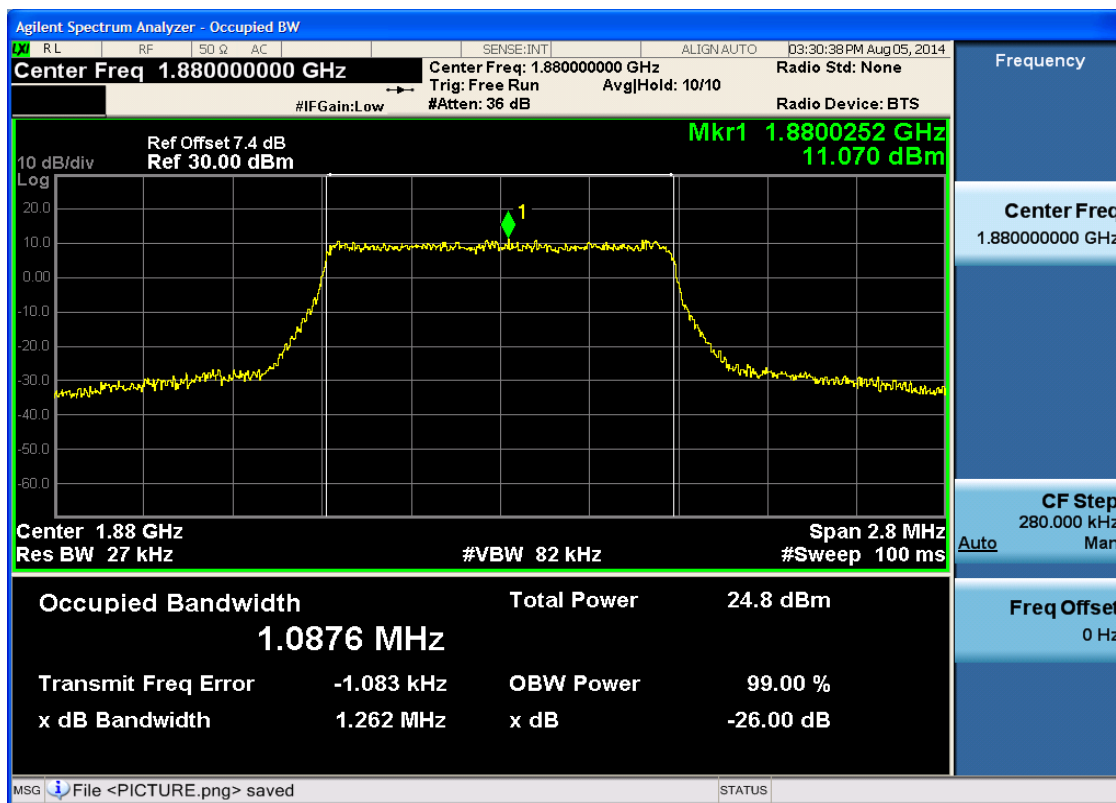
4.3.1.1.1.1 Test Channel = LCH

4.3.1.1.1.1.1 Test RB = RB6#0



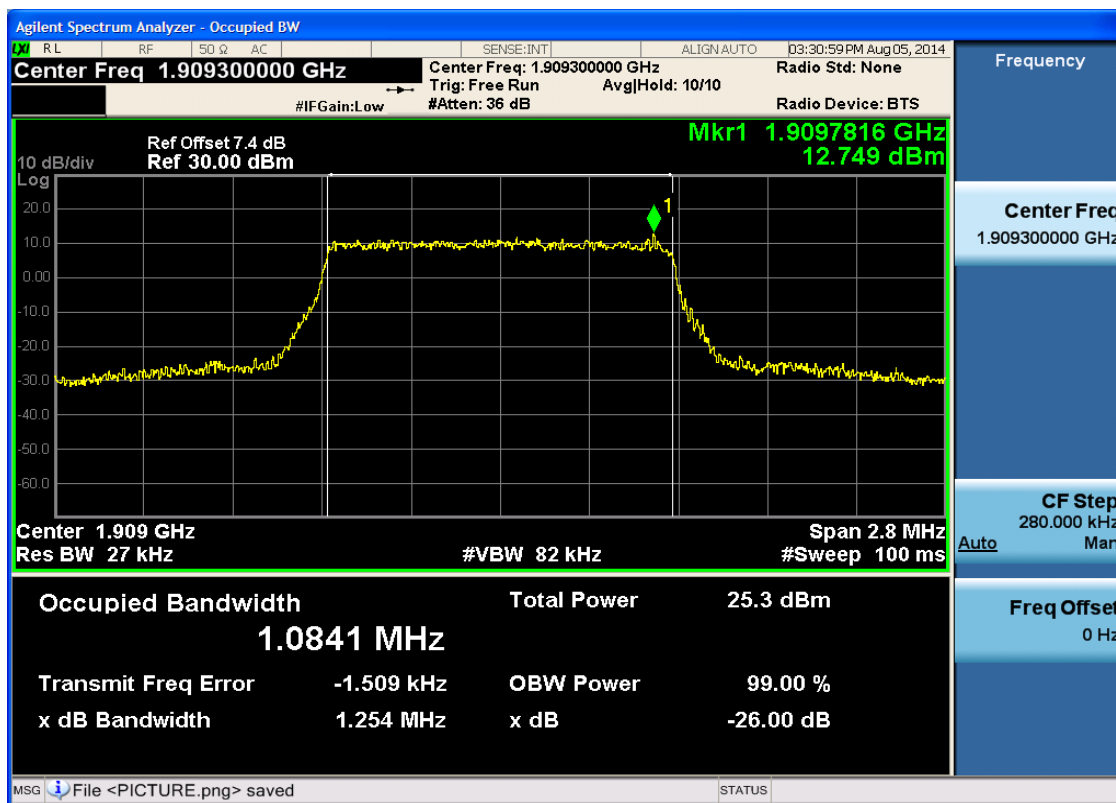
4.3.1.1.1.2 Test Channel = MCH

4.3.1.1.1.2.1 Test RB = RB6#0



4.3.1.1.1.3 Test Channel = HCH

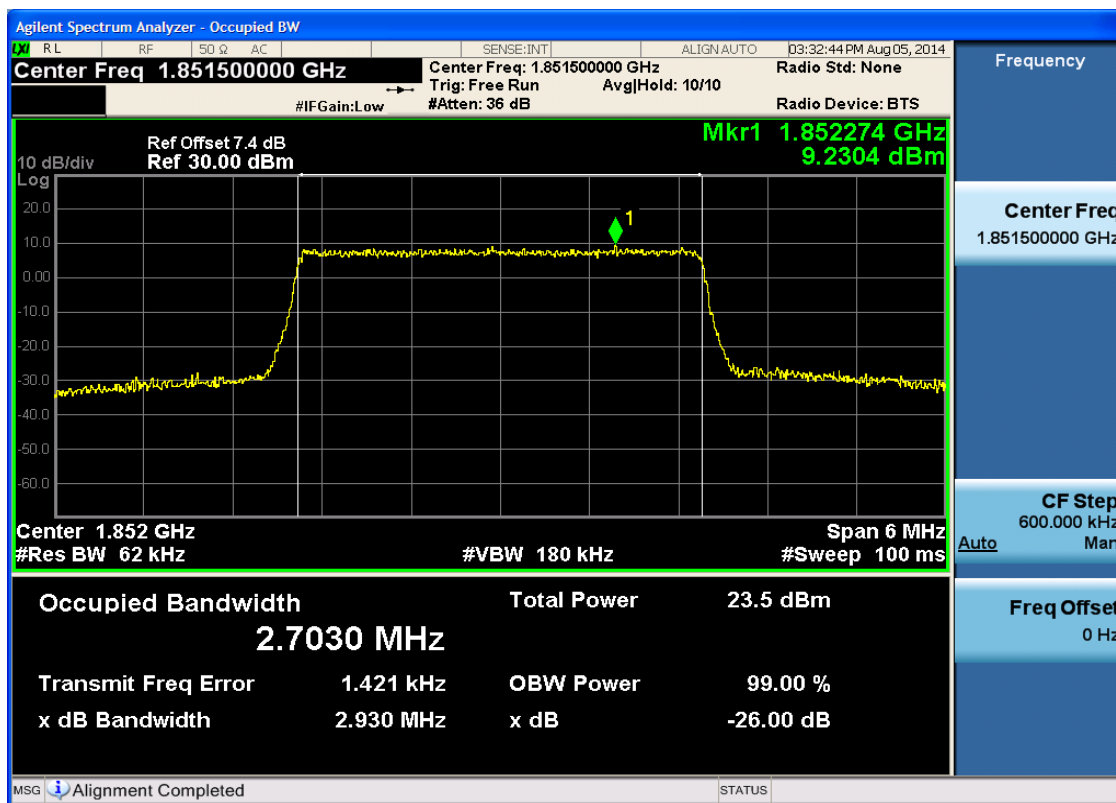
4.3.1.1.1.3.1 Test RB = RB6#0



4.3.1.1.2 Test Bandwidth = 3

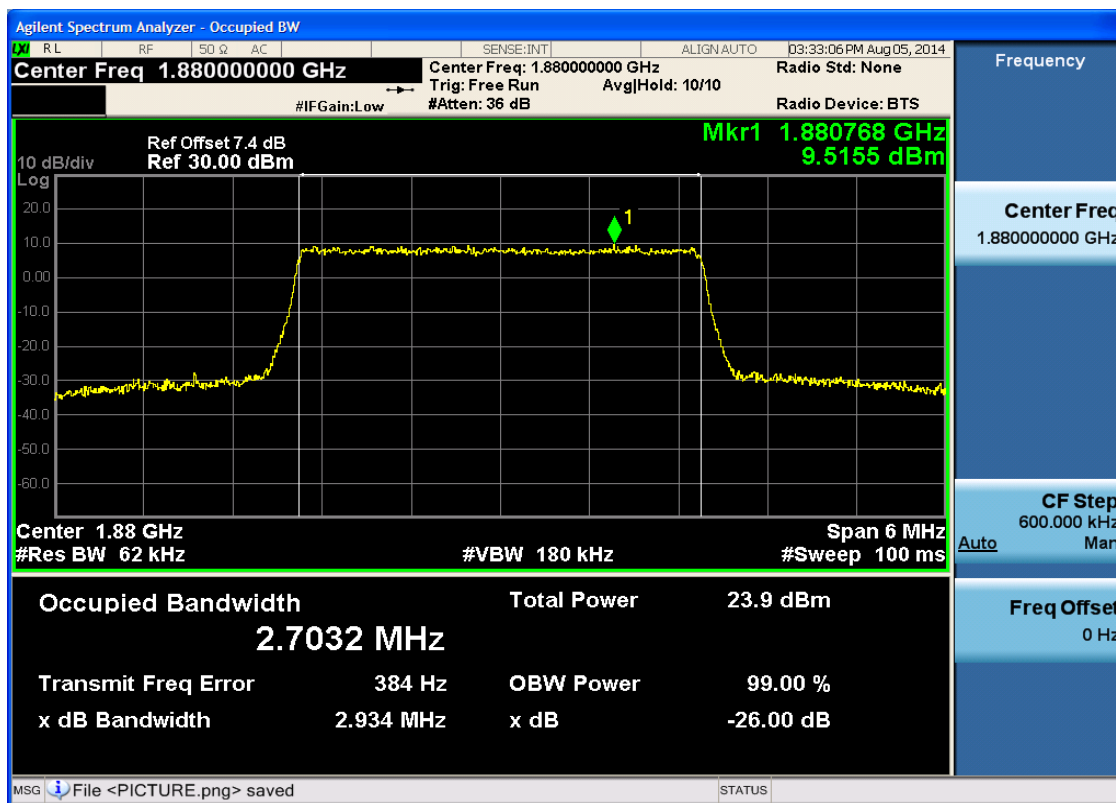
4.3.1.1.2.1 Test Channel = LCH

4.3.1.1.2.1.1 Test RB = RB15#0



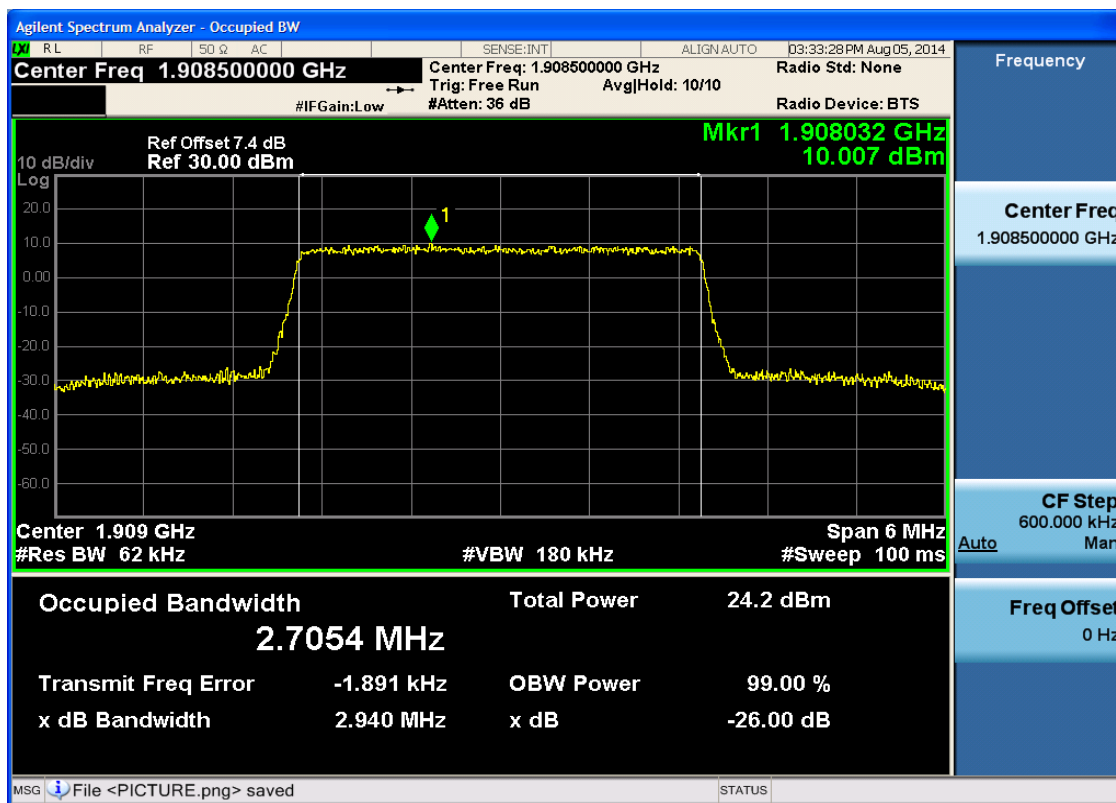
4.3.1.1.2.2 Test Channel = MCH

4.3.1.1.2.2.1 Test RB = RB15#0



4.3.1.1.2.3 Test Channel = HCH

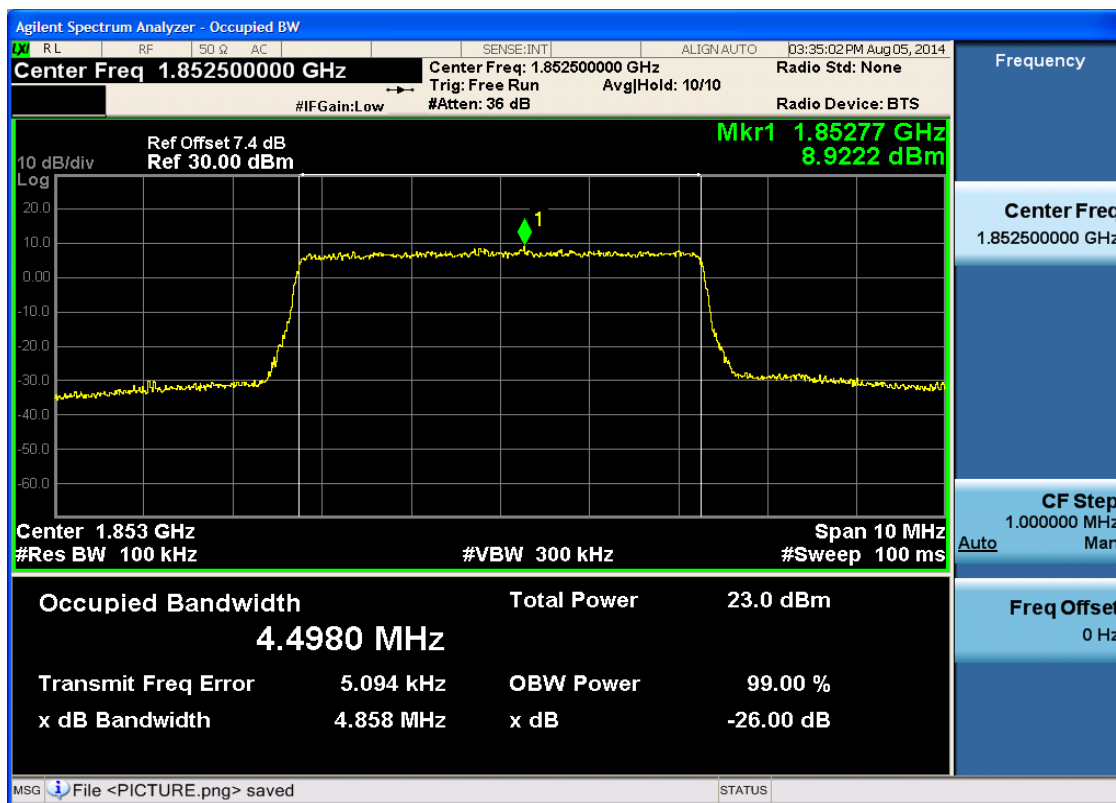
4.3.1.1.2.3.1 Test RB = RB15#0



4.3.1.1.3 Test Bandwidth = 5

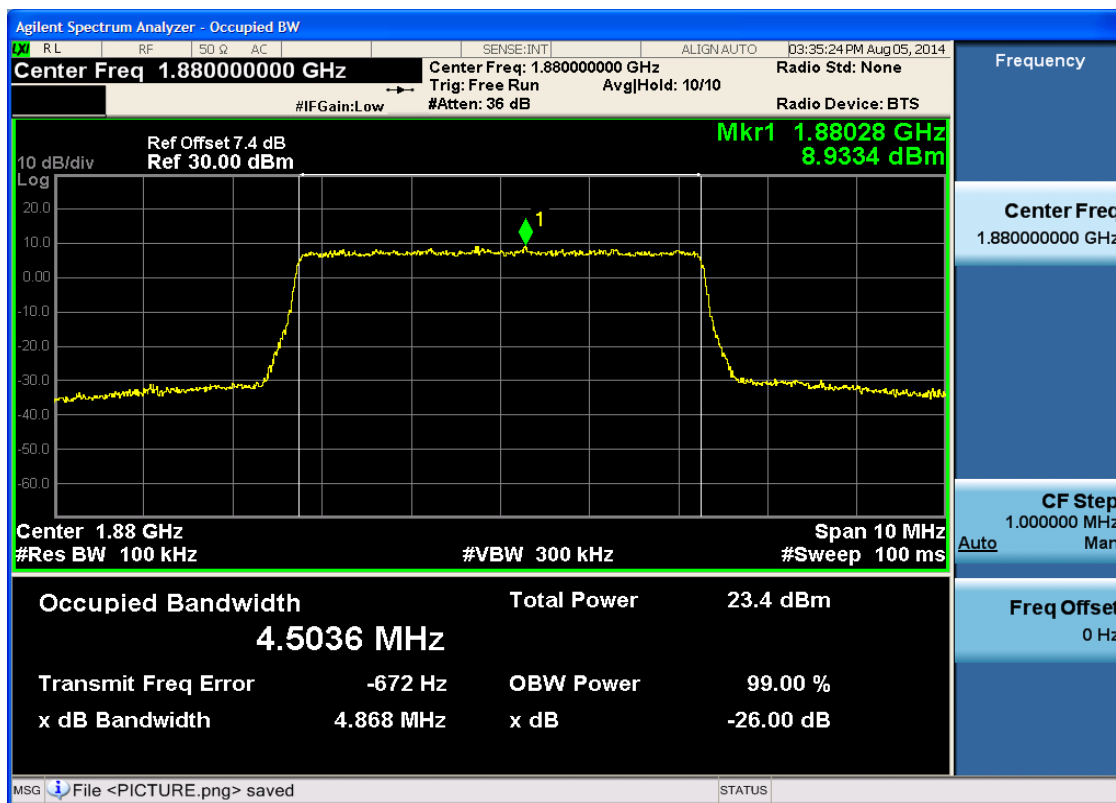
4.3.1.1.3.1 Test Channel = LCH

4.3.1.1.3.1.1 Test RB = RB25#0



4.3.1.1.3.2 Test Channel = MCH

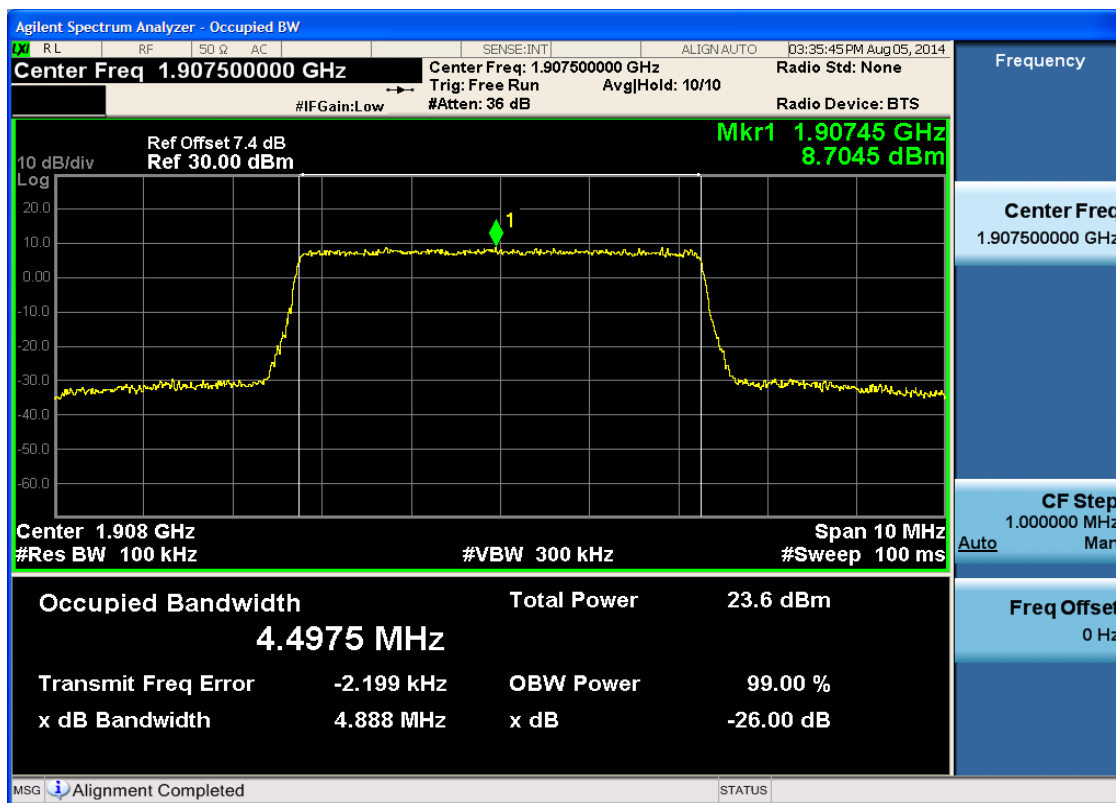
4.3.1.1.3.2.1 Test RB = RB25#0





4.3.1.1.3.3 Test Channel = HCH

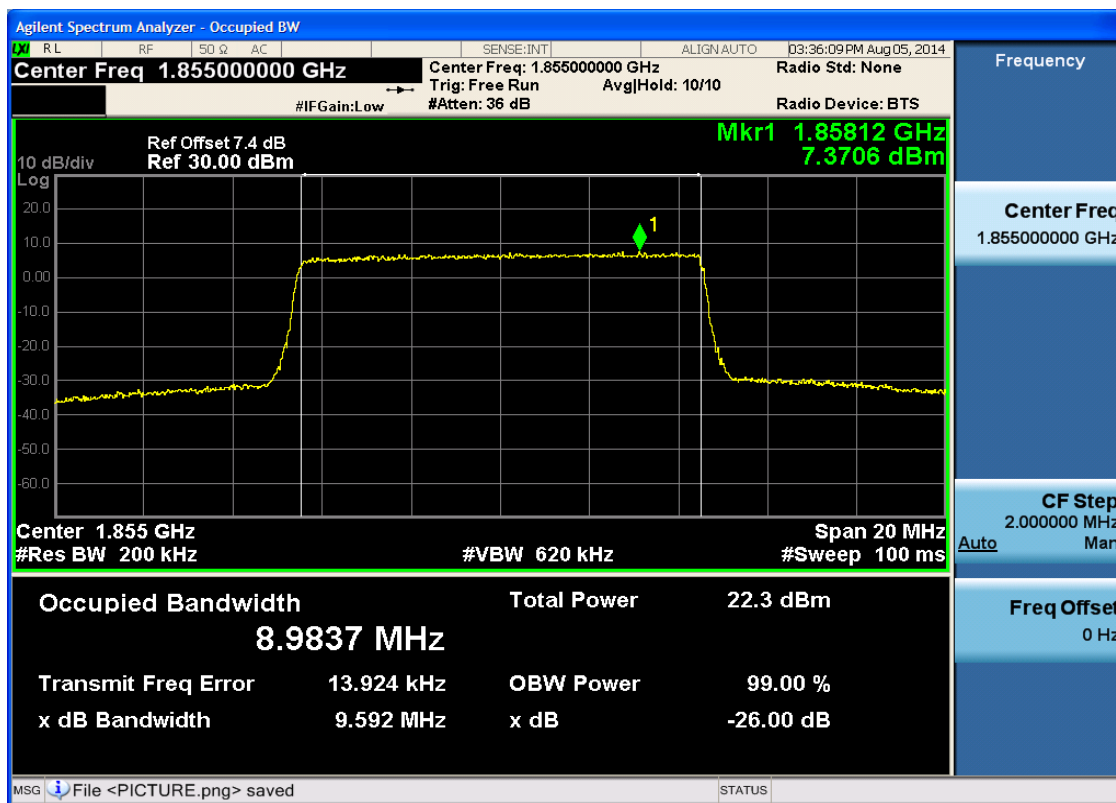
4.3.1.1.3.3.1 Test RB = RB25#0



4.3.1.1.4 Test Bandwidth = 10

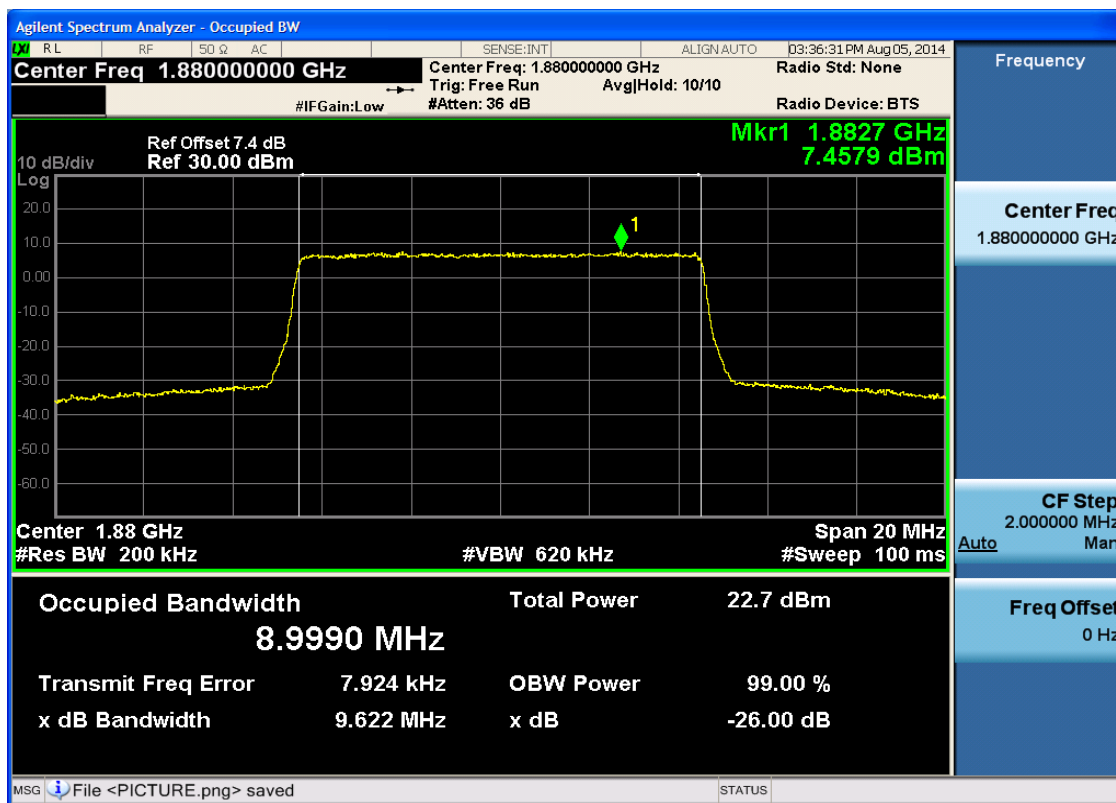
4.3.1.1.4.1 Test Channel = LCH

4.3.1.1.4.1.1 Test RB = RB50#0



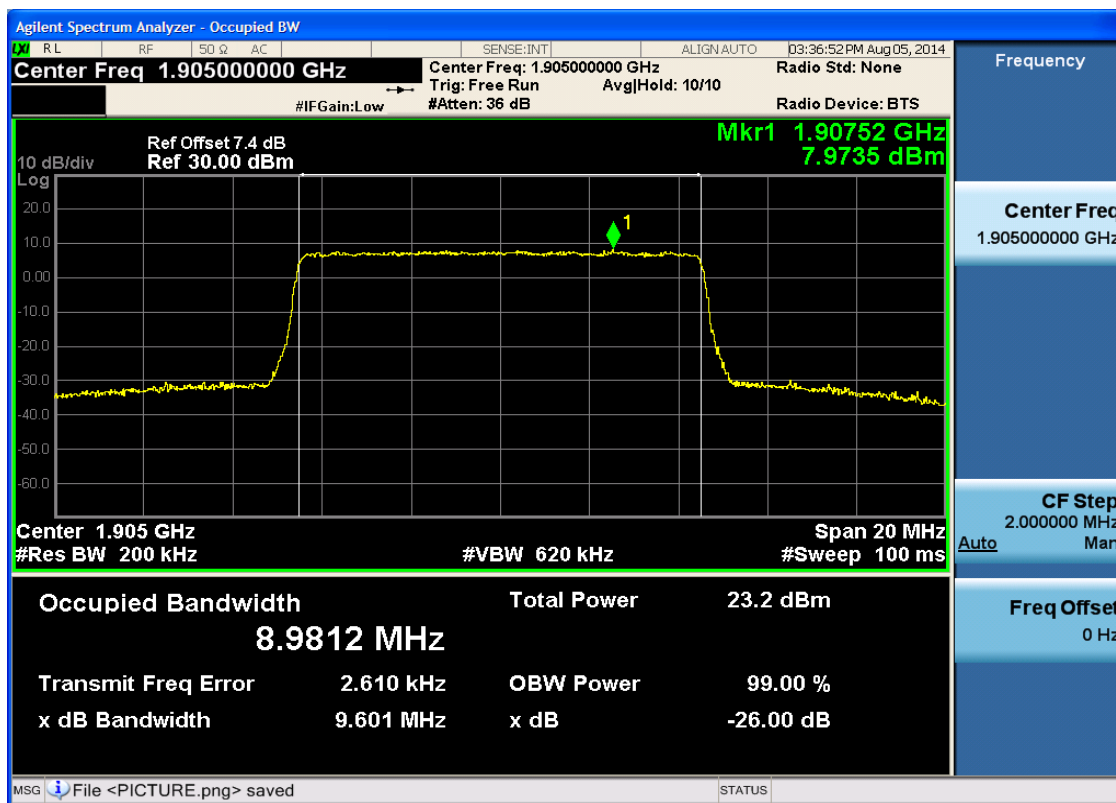
4.3.1.1.4.2 Test Channel = MCH

4.3.1.1.4.2.1 Test RB = RB50#0



4.3.1.1.4.3 Test Channel = HCH

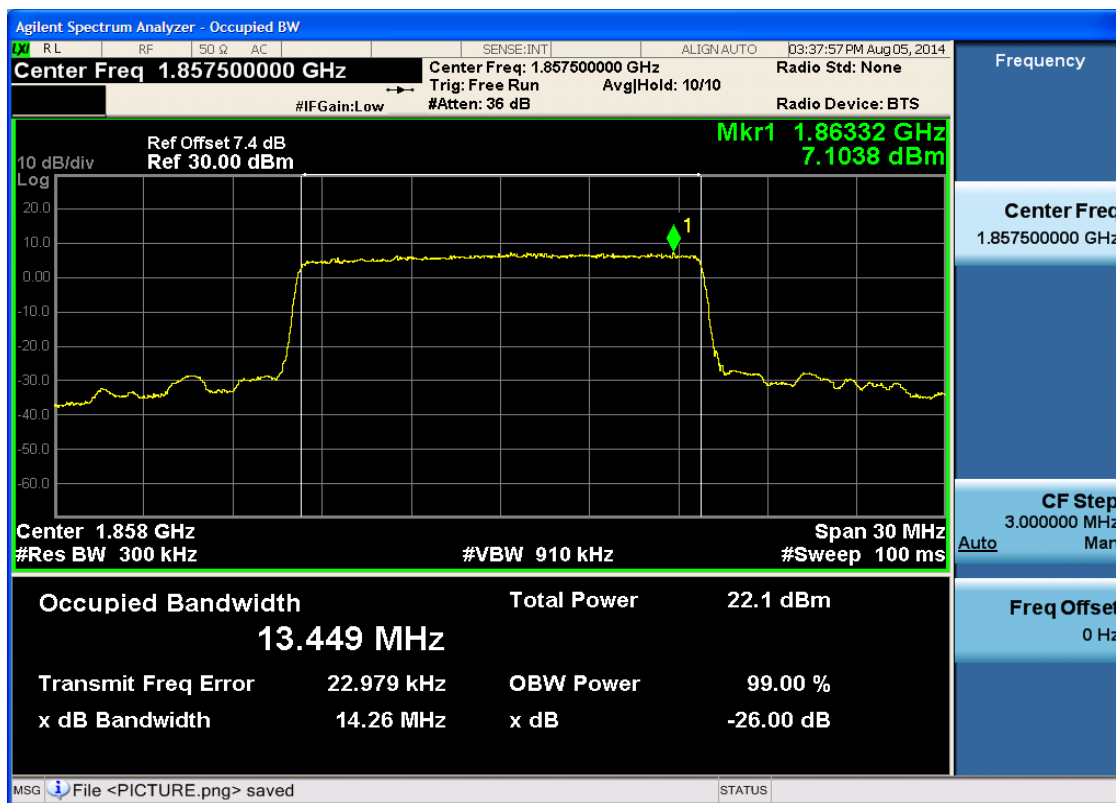
4.3.1.1.4.3.1 Test RB = RB50#0



4.3.1.1.5 Test Bandwidth = 15

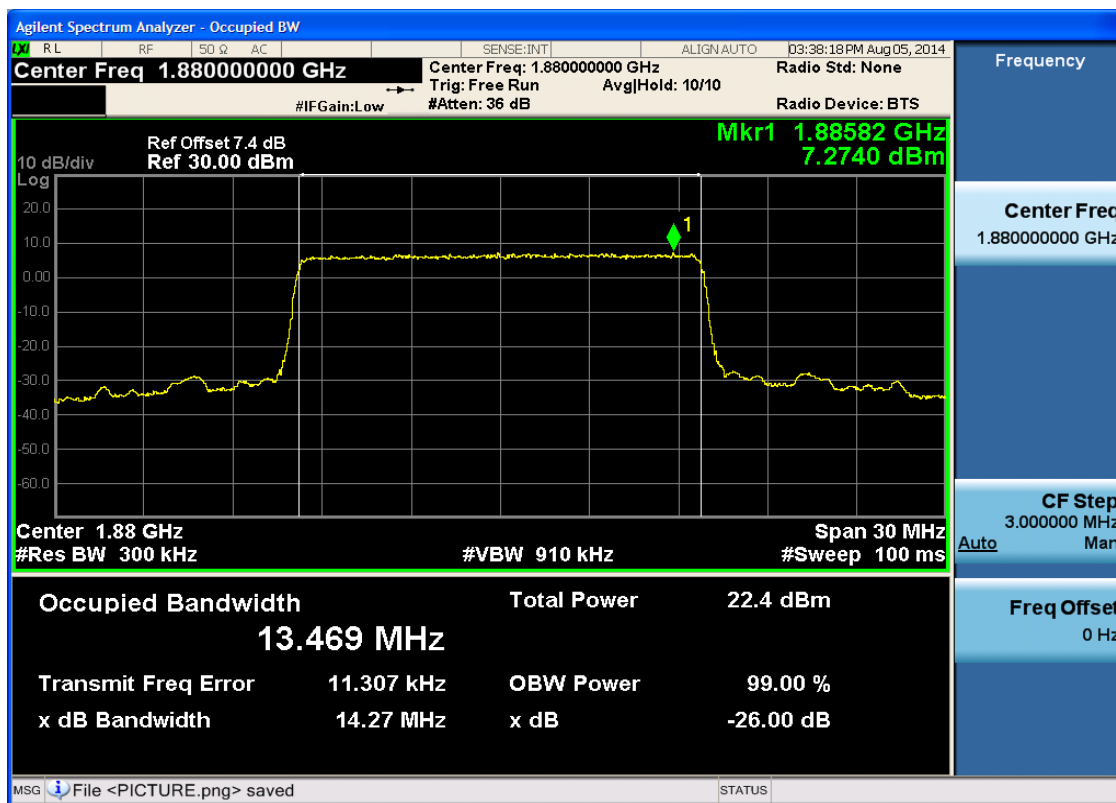
4.3.1.1.5.1 Test Channel = LCH

4.3.1.1.5.1.1 Test RB = RB75#0



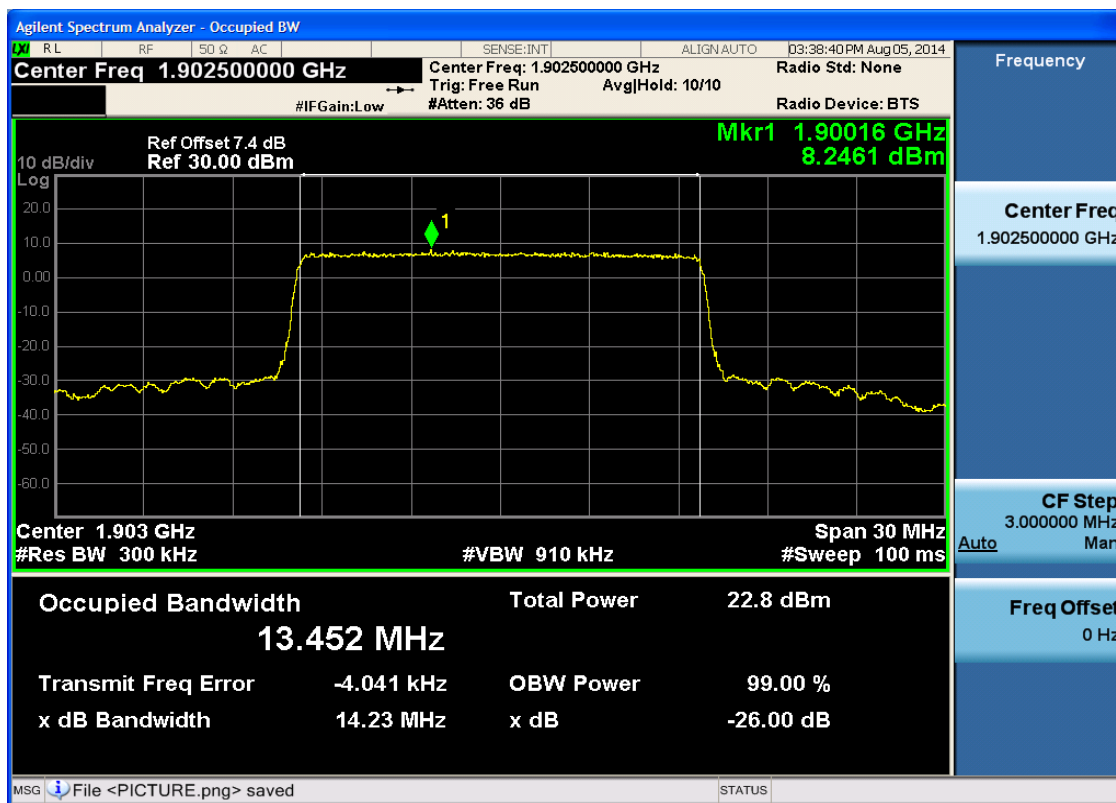
4.3.1.1.5.2 Test Channel = MCH

4.3.1.1.5.2.1 Test RB = RB75#0



4.3.1.1.5.3 Test Channel = HCH

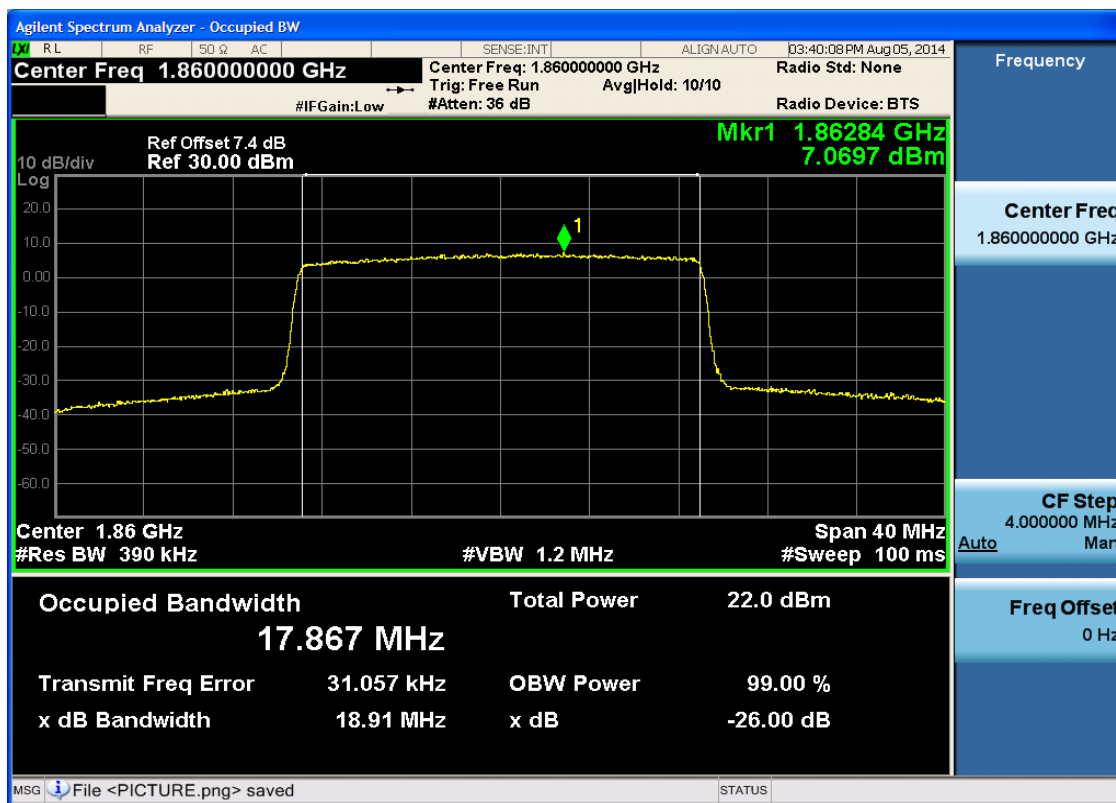
4.3.1.1.5.3.1 Test RB = RB75#0



4.3.1.1.6 Test Bandwidth = 20

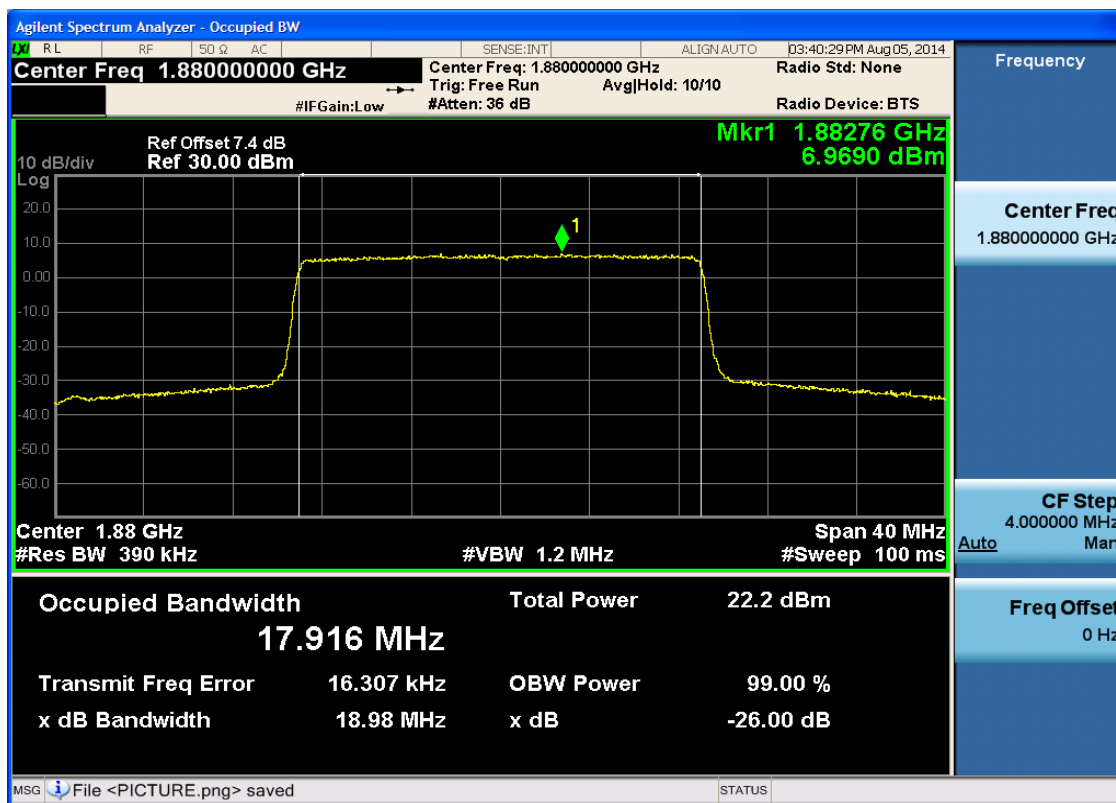
4.3.1.1.6.1 Test Channel = LCH

4.3.1.1.6.1.1 Test RB = RB100#0



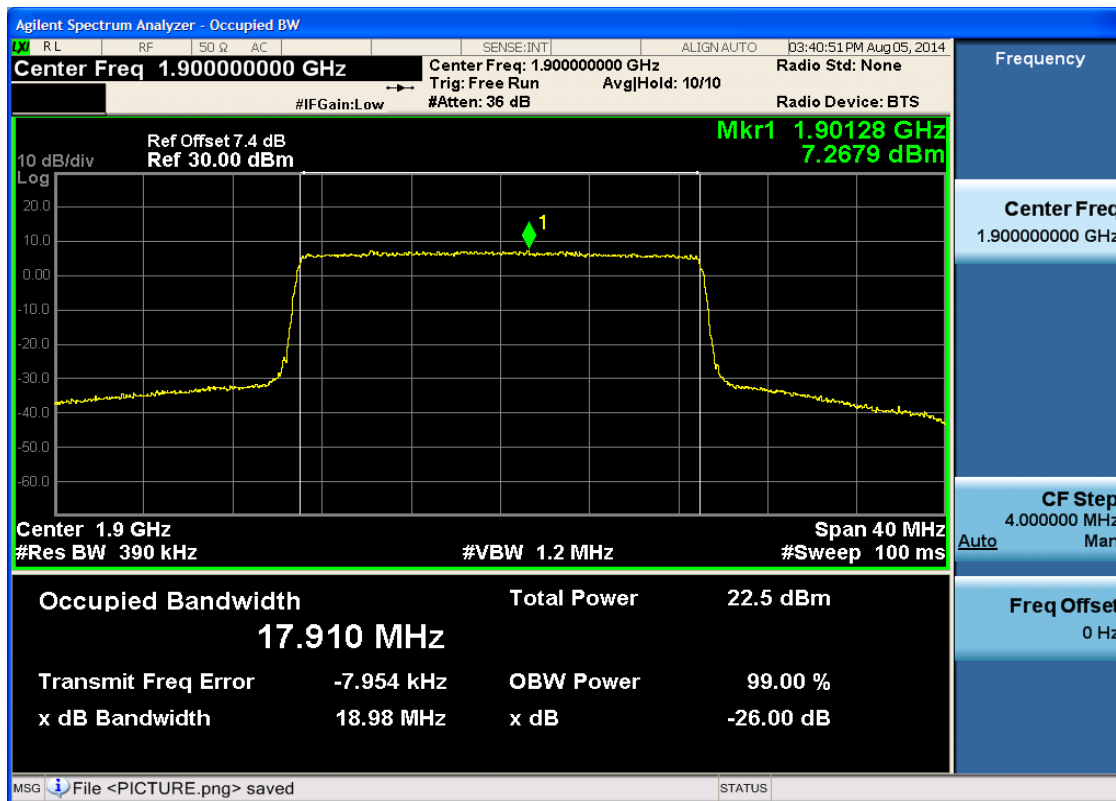
4.3.1.1.6.2 Test Channel = MCH

4.3.1.1.6.2.1 Test RB = RB100#0



4.3.1.1.6.3 Test Channel = HCH

4.3.1.1.6.3.1 Test RB = RB100#0

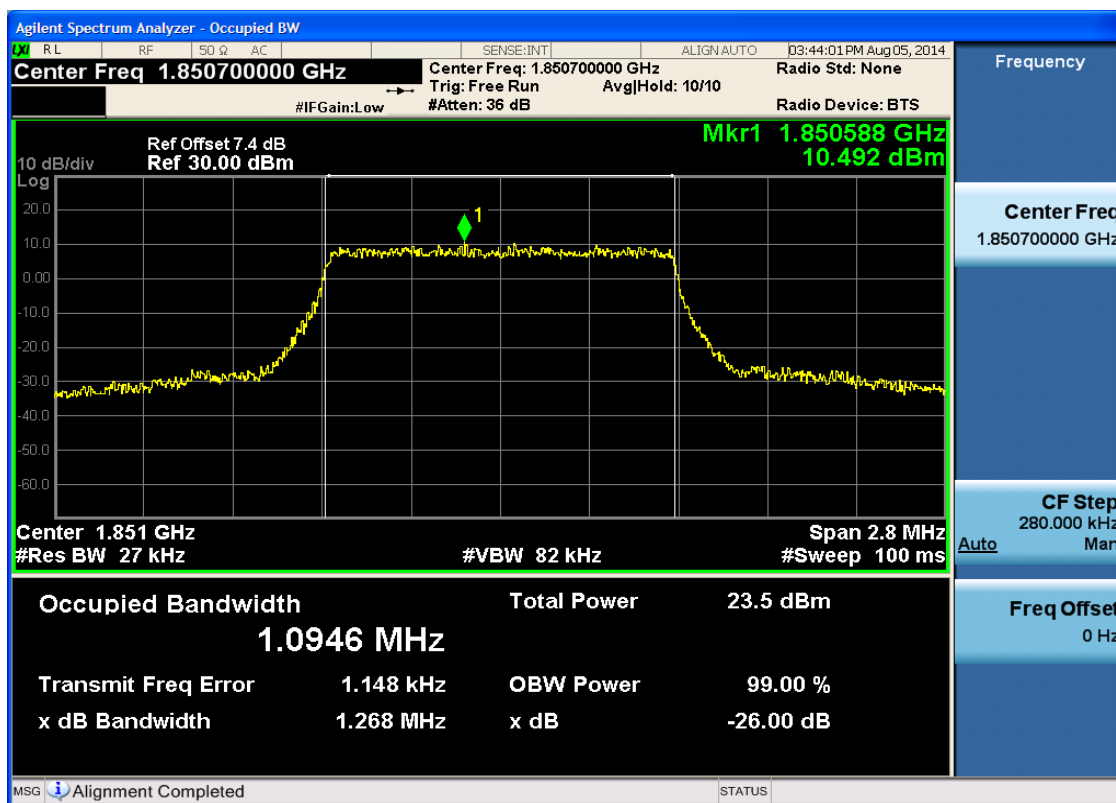


4.3.1.2 Test Mode = LTE/TM2

4.3.1.2.1 Test Bandwidth = 1.4

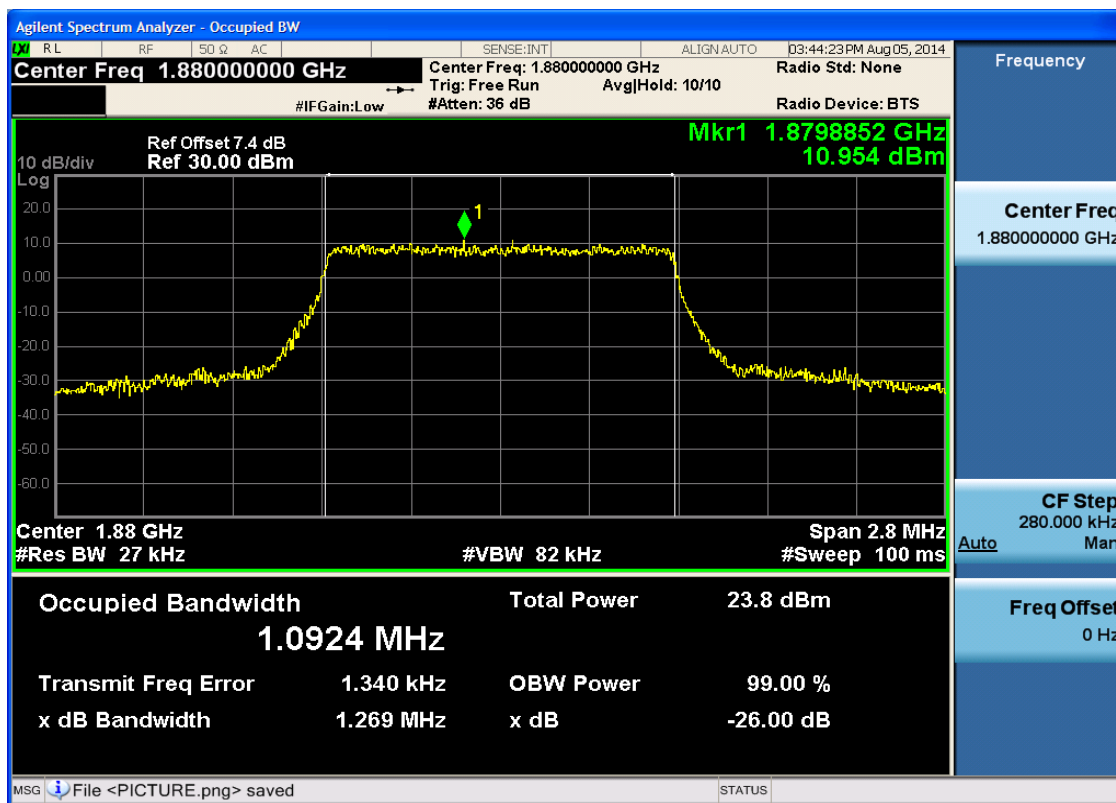
4.3.1.2.1.1 Test Channel = LCH

4.3.1.2.1.1.1 Test RB = RB6#0



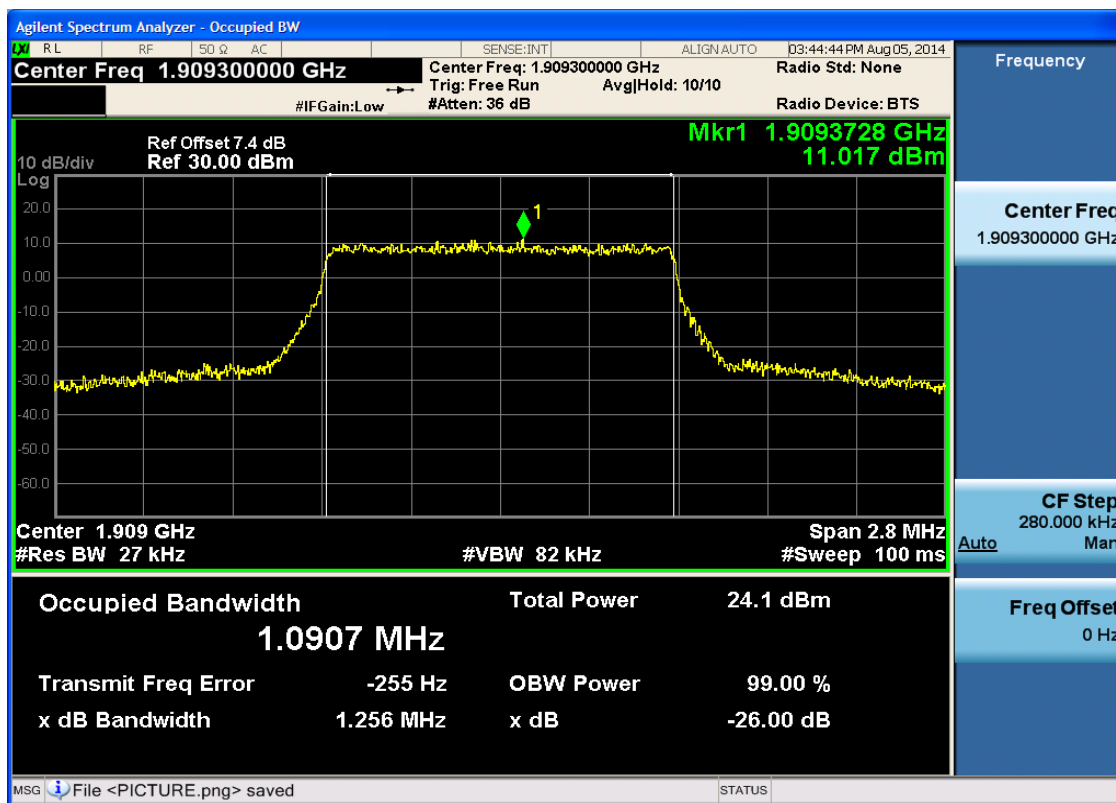
4.3.1.2.1.2 Test Channel = MCH

4.3.1.2.1.2.1 Test RB = RB6#0



4.3.1.2.1.3 Test Channel = HCH

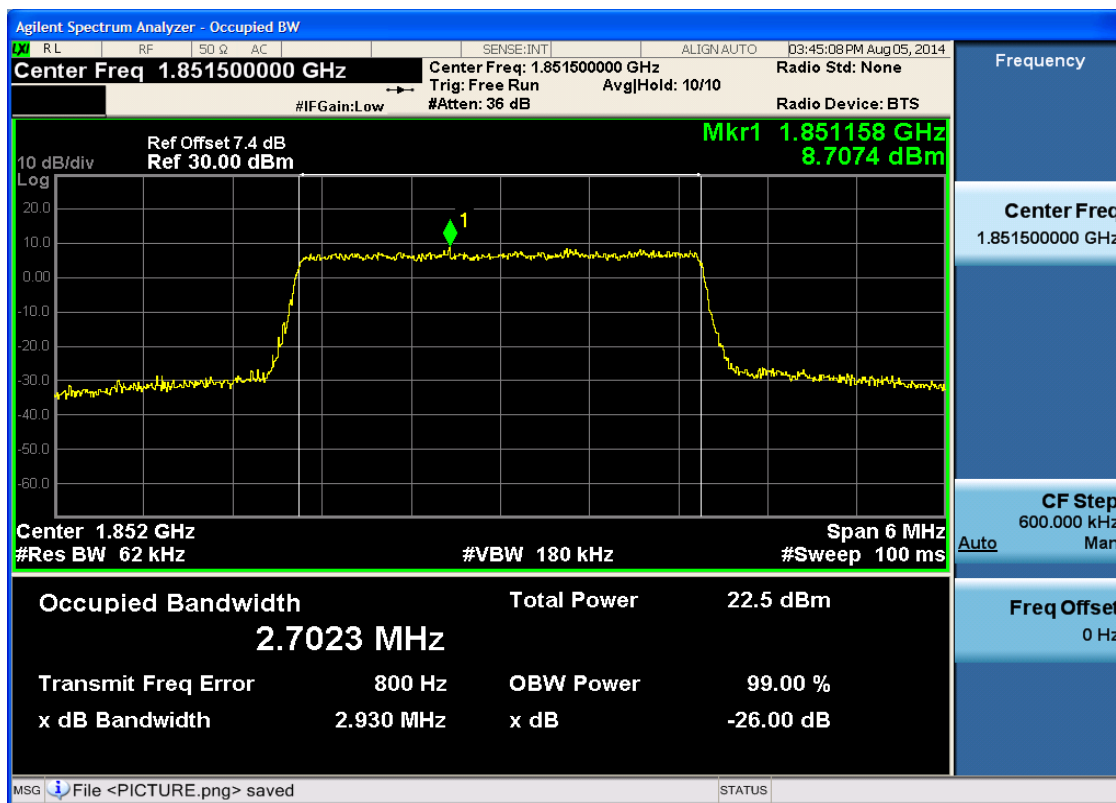
4.3.1.2.1.3.1 Test RB = RB6#0



4.3.1.2.2 Test Bandwidth = 3

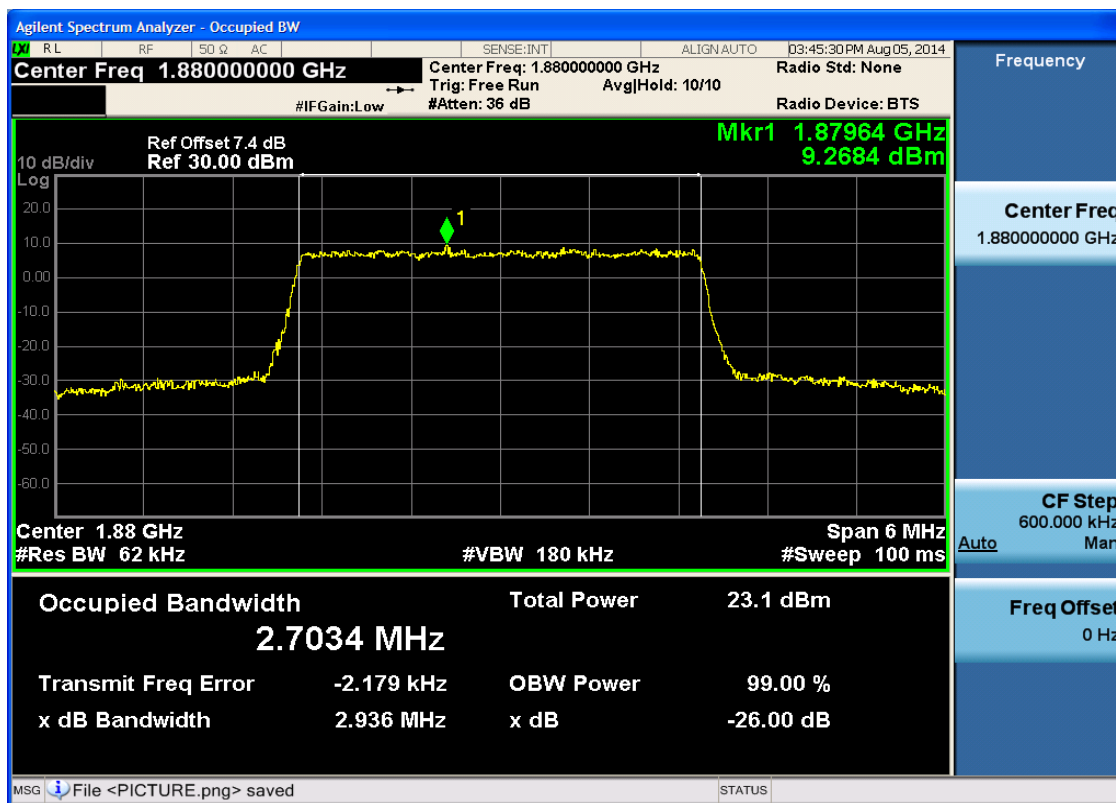
4.3.1.2.2.1 Test Channel = LCH

4.3.1.2.2.1.1 Test RB = RB15#0



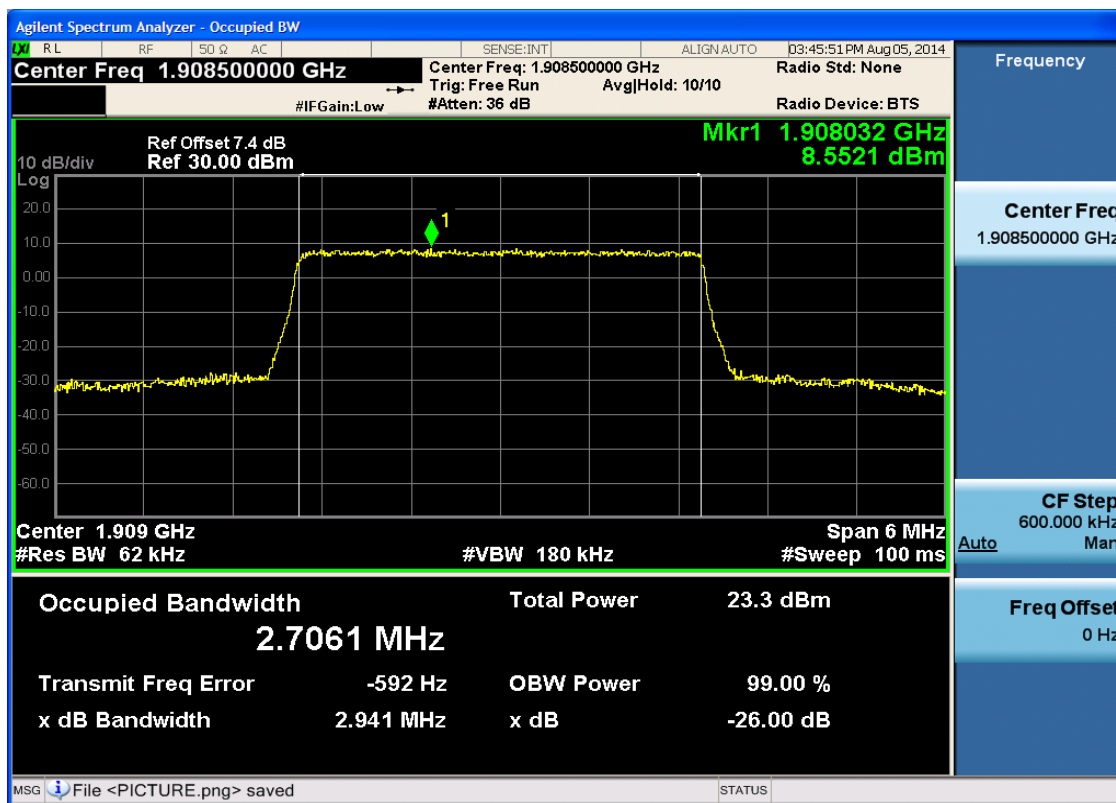
4.3.1.2.2.2 Test Channel = MCH

4.3.1.2.2.1 Test RB = RB15#0



4.3.1.2.2.3 Test Channel = HCH

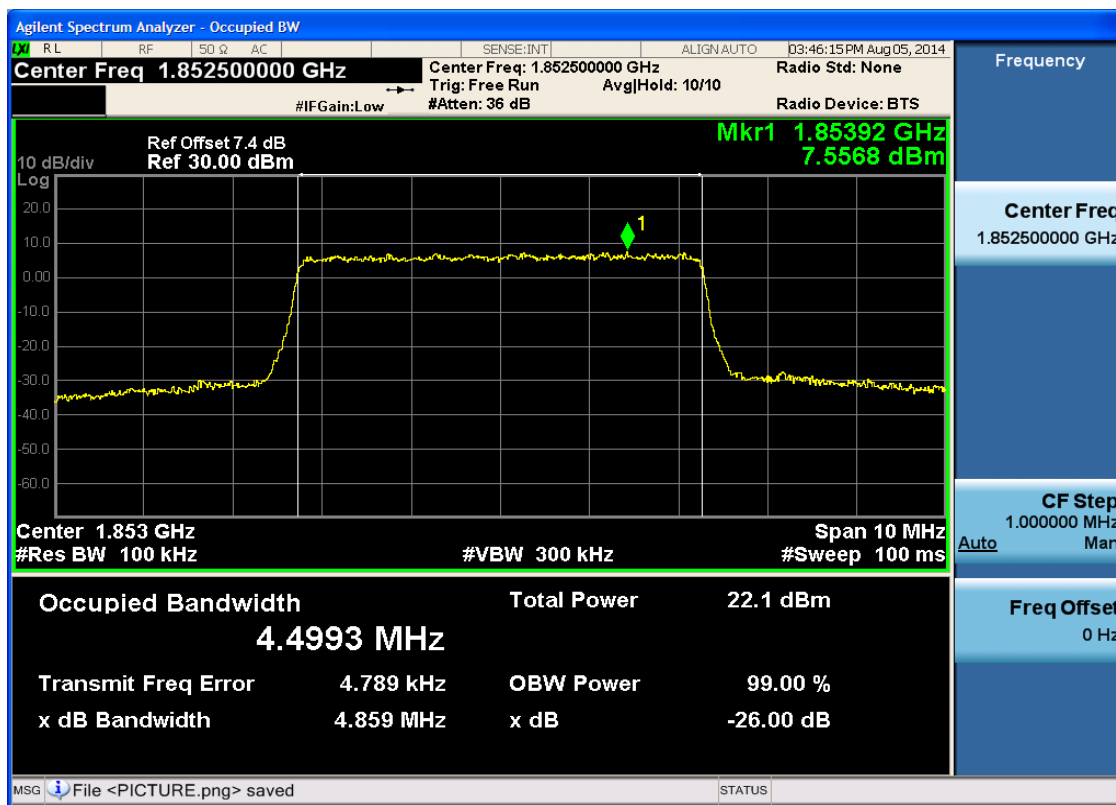
4.3.1.2.2.3.1 Test RB = RB15#0



4.3.1.2.3 Test Bandwidth = 5

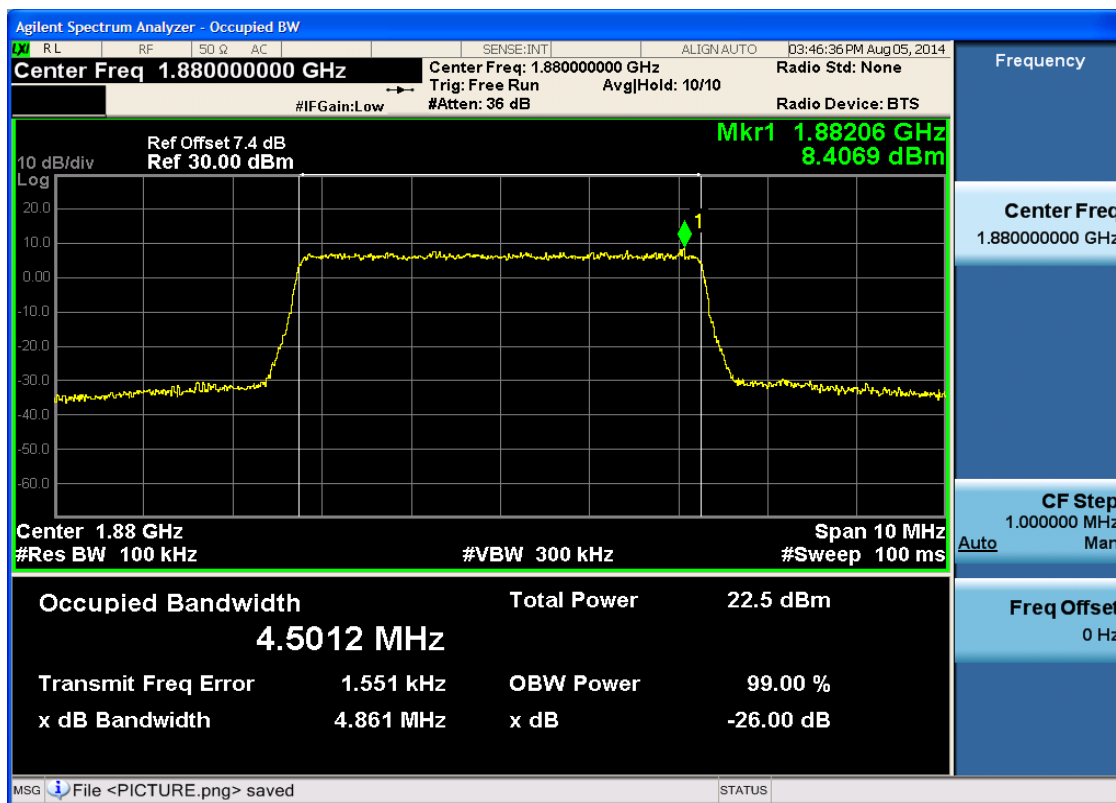
4.3.1.2.3.1 Test Channel = LCH

4.3.1.2.3.1.1 Test RB = RB25#0



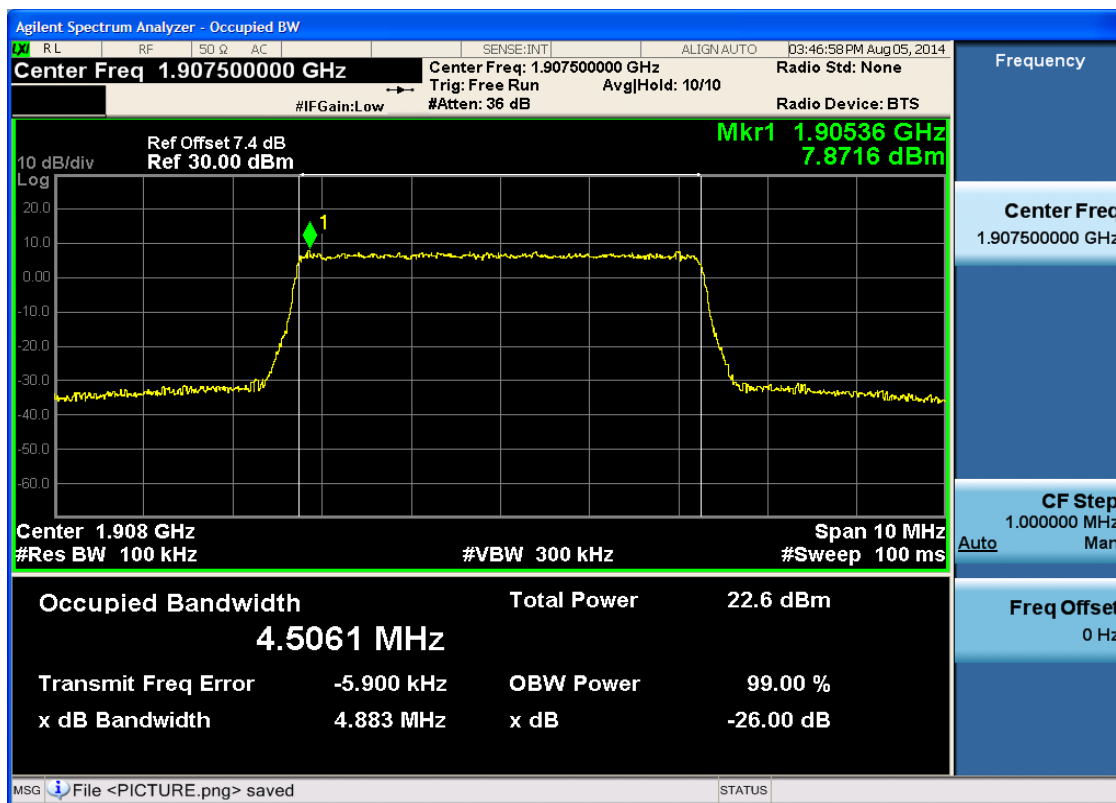
4.3.1.2.3.2 Test Channel = MCH

4.3.1.2.3.2.1 Test RB = RB25#0



4.3.1.2.3.3 Test Channel = HCH

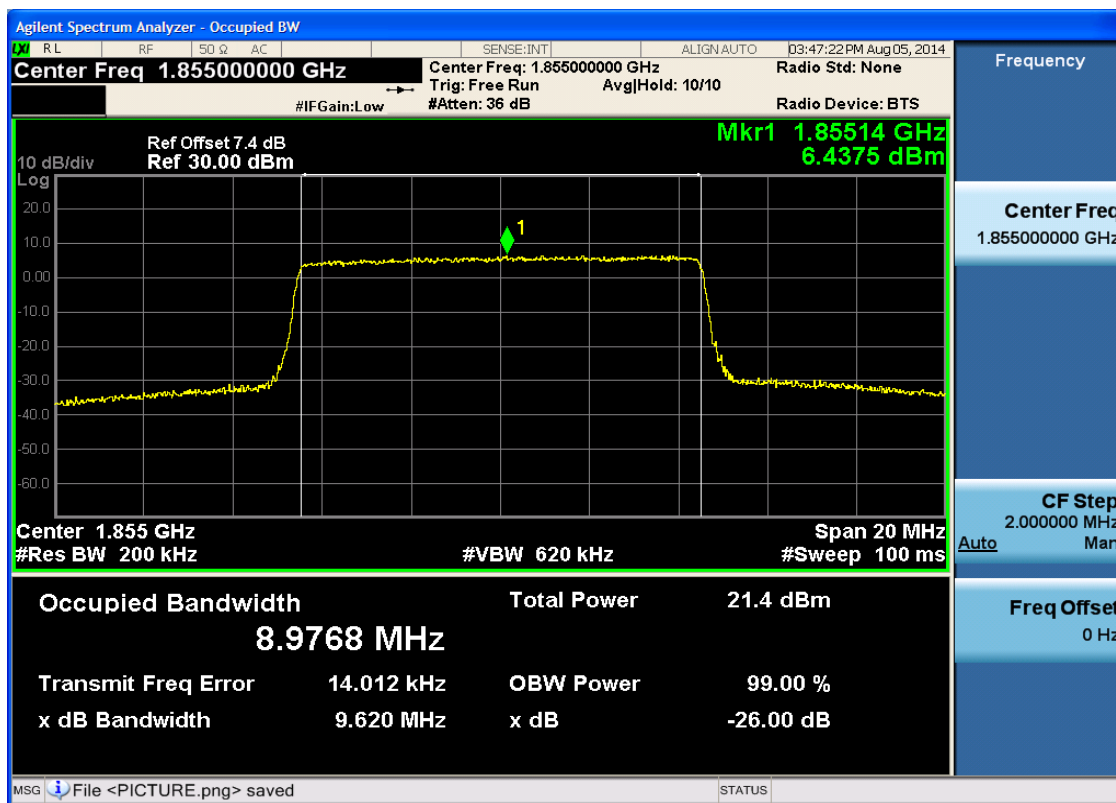
4.3.1.2.3.3.1 Test RB = RB25#0



4.3.1.2.4 Test Bandwidth = 10

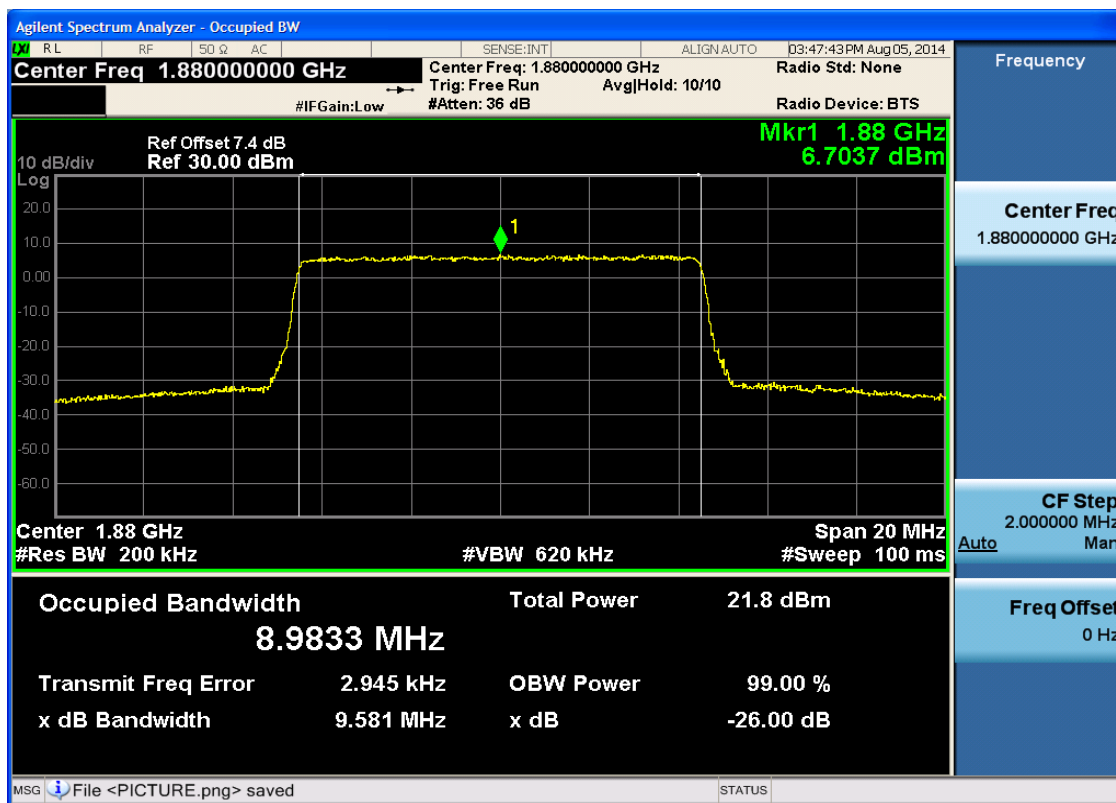
4.3.1.2.4.1 Test Channel = LCH

4.3.1.2.4.1.1 Test RB = RB50#0



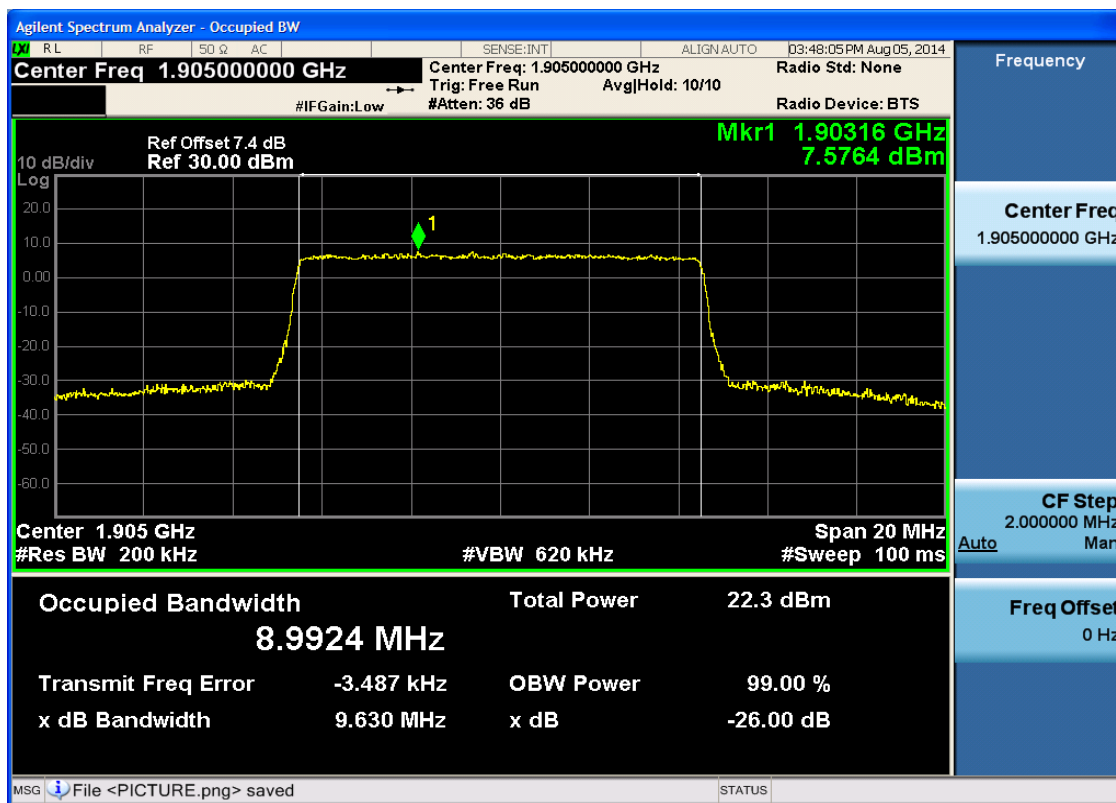
4.3.1.2.4.2 Test Channel = MCH

4.3.1.2.4.2.1 Test RB = RB50#0



4.3.1.2.4.3 Test Channel = HCH

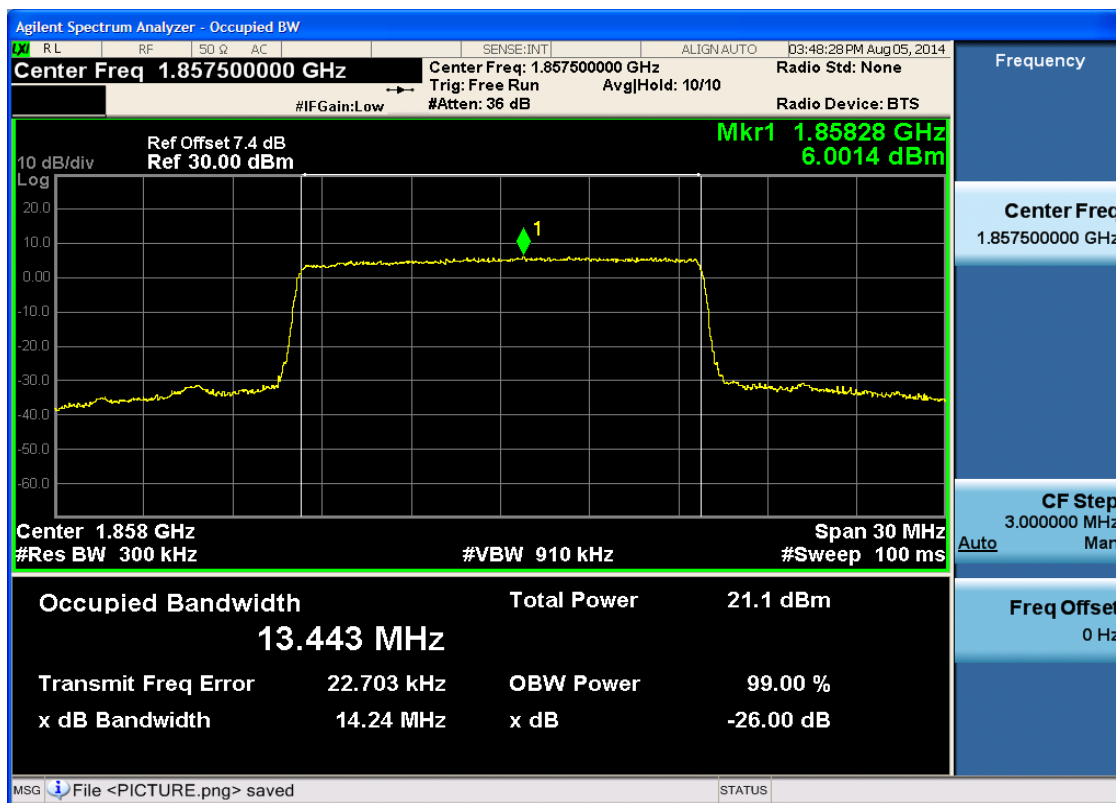
4.3.1.2.4.3.1 Test RB = RB50#0



4.3.1.2.5 Test Bandwidth = 15

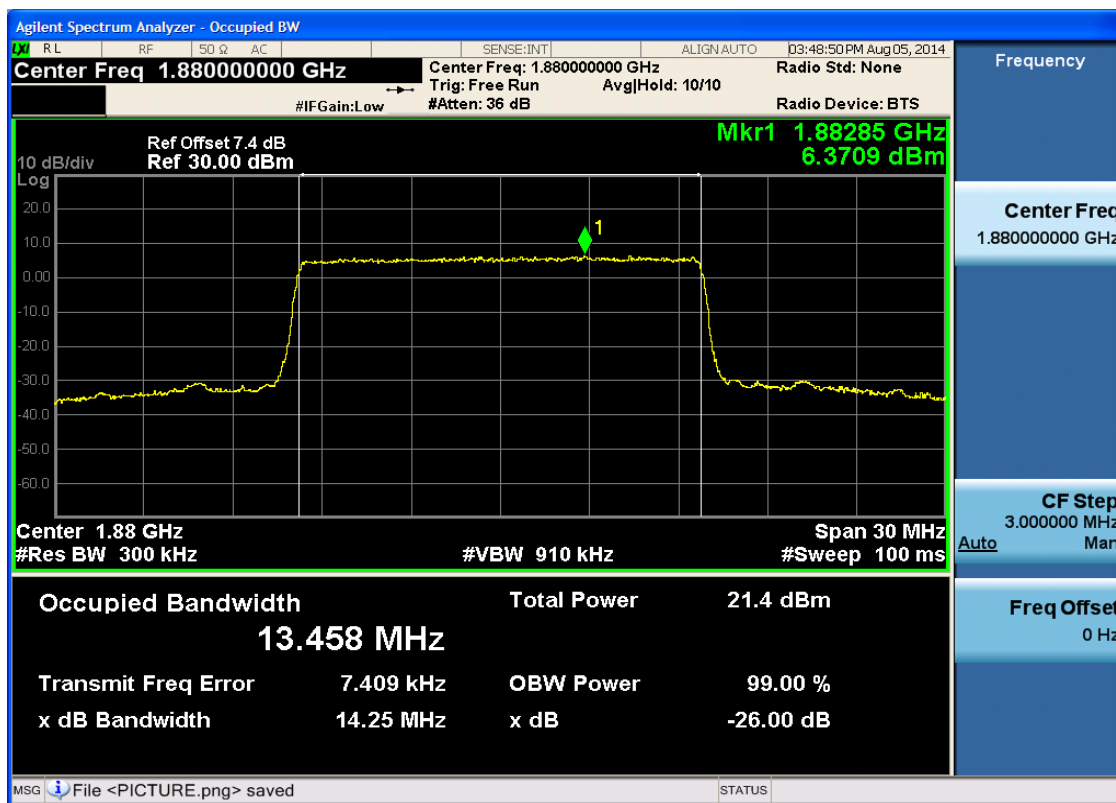
4.3.1.2.5.1 Test Channel = LCH

4.3.1.2.5.1.1 Test RB = RB75#0



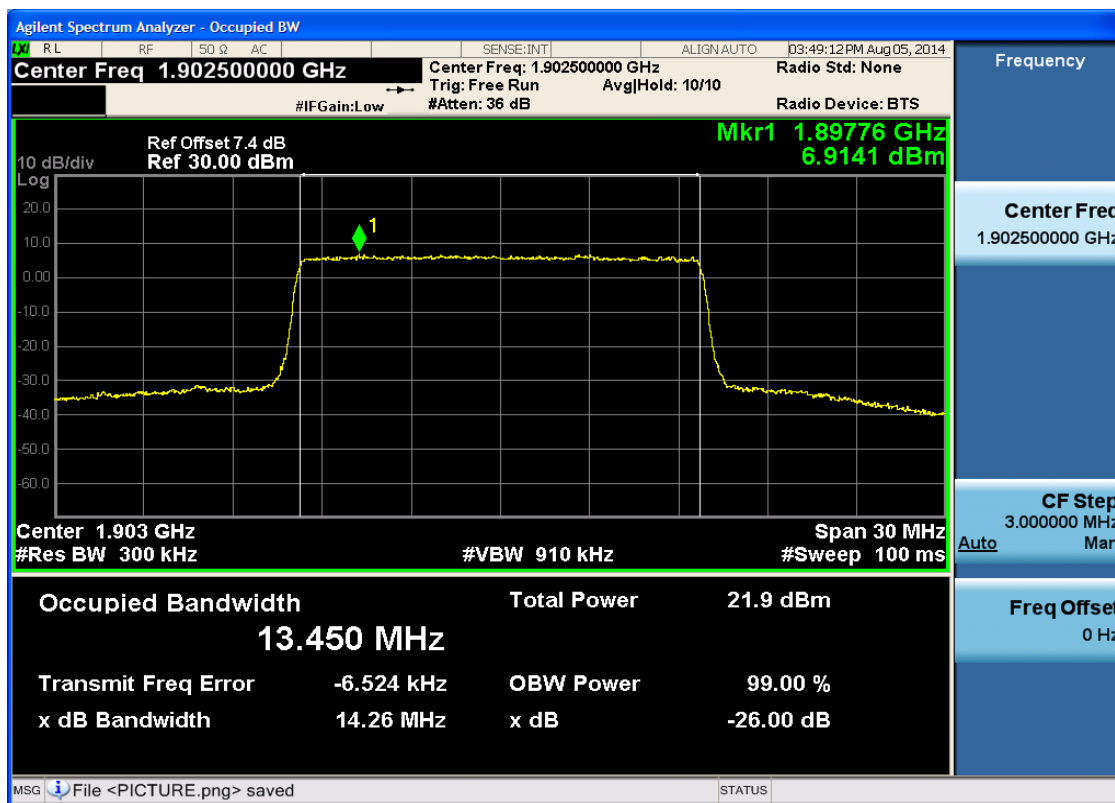
4.3.1.2.5.2 Test Channel = MCH

4.3.1.2.5.2.1 Test RB = RB75#0



4.3.1.2.5.3 Test Channel = HCH

4.3.1.2.5.3.1 Test RB = RB75#0



4.3.1.2.6 Test Bandwidth = 20

4.3.1.2.6.1 Test Channel = LCH

4.3.1.2.6.1.1 Test RB = RB100#0

