



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	32.19	30.53	38.5	PASS
		MCH	31.92	30.26	38.5	PASS
		HCH	31.63	29.97	38.5	PASS
	GSM/TM2	LCH	25.73	24.07	38.5	PASS
		MCH	25.69	24.03	38.5	PASS
		HCH	25.75	24.09	38.5	PASS
WCDMA850	UMTS/TM1	LCH	22.73	21.07	38.5	PASS
		MCH	22.76	21.1	38.5	PASS
		HCH	22.82	21.16	38.5	PASS

Test Band	Test Mode	Test Channel	Conducted Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
GSM1900	GSM/TM1	LCH	28.92	31.62	33	PASS
		MCH	28.87	31.57	33	PASS
		HCH	28.9	31.6	33	PASS
	GSM/TM2	LCH	24.88	27.58	33	PASS
		MCH	24.91	27.61	33	PASS
		HCH	24.9	27.6	33	PASS
WCDMA1900	UMTS/TM1	LCH	22.49	25.19	33	PASS
		MCH	22.46	25.16	33	PASS
		HCH	22.23	24.93	33	PASS
WCDMA1700	UMTS/TM1	LCH	22.36	25.23	30	PASS
		MCH	22.24	25.11	30	PASS
		HCH	22.21	25.08	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
BAND2	LTE/TM1	5	LCH	RB1#0	21.99	24.73	33	PASS
				RB1#13	22.52	25.26	33	PASS
				RB1#24	22.43	25.17	33	PASS
				RB12#0	21.82	24.56	33	PASS
				RB12#6	22.02	24.76	33	PASS
				RB12#13	22.06	24.8	33	PASS
				RB25#0	21.92	24.66	33	PASS
			MCH	RB1#0	21.26	24	33	PASS
				RB1#13	21.82	24.56	33	PASS
				RB1#24	21.68	24.42	33	PASS
				RB12#0	21.25	23.99	33	PASS
				RB12#6	21.29	24.03	33	PASS
				RB12#13	21.31	24.05	33	PASS
				RB25#0	21.32	24.06	33	PASS
			HCH	RB1#0	21.92	24.66	33	PASS
				RB1#13	22.14	24.88	33	PASS
				RB1#24	21.91	24.65	33	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict	
				RB12#0	21.65	24.39	33	PASS	
				RB12#6	21.78	24.52	33	PASS	
				RB12#13	21.61	24.35	33	PASS	
				RB25#0	21.69	24.43	33	PASS	
		10	LCH	RB1#0	21.9	24.64	33	PASS	
				RB1#25	22.73	25.47	33	PASS	
				RB1#49	22.73	25.47	33	PASS	
				RB25#0	21.67	24.41	33	PASS	
				RB25#13	22.15	24.89	33	PASS	
				RB25#25	22.02	24.76	33	PASS	
				RB50#0	21.9	24.64	33	PASS	
				MCH	RB1#0	21.31	24.05	33	PASS
					RB1#25	21.95	24.69	33	PASS
					RB1#49	22.29	25.03	33	PASS
RB25#0	21	23.74	33		PASS				
RB25#13	21.38	24.12	33		PASS				
RB25#25	21.35	24.09	33		PASS				



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
				RB50#0	21.22	23.96	33	PASS
			HCH	RB1#0	22.19	24.93	33	PASS
				RB1#25	22.25	24.99	33	PASS
				RB1#49	22.27	25.01	33	PASS
				RB25#0	21.56	24.3	33	PASS
				RB25#13	21.64	24.38	33	PASS
				RB25#25	21.52	24.26	33	PASS
				RB50#0	21.59	24.33	33	PASS
		15		LCH	RB1#0	22.04	24.78	33
			RB1#38		22.9	25.64	33	PASS
			RB1#74		22.54	25.28	33	PASS
			RB36#0		22.05	24.79	33	PASS
			RB36#18		22.3	25.04	33	PASS
			RB36#39		22.17	24.91	33	PASS
			RB75#0		22.28	25.02	33	PASS
			MCH	RB1#0	21.51	24.25	33	PASS
				RB1#38	22.05	24.79	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
				RB1#74	22.4	25.14	33	PASS
				RB36#0	21.25	23.99	33	PASS
				RB36#18	21.46	24.2	33	PASS
				RB36#39	21.51	24.25	33	PASS
				RB75#0	21.35	24.09	33	PASS
				RB1#0	22.53	25.27	33	PASS
				RB1#38	22.3	25.04	33	PASS
				RB1#74	22.18	24.92	33	PASS
				RB36#0	22.22	24.96	33	PASS
				RB36#18	22.07	24.81	33	PASS
		RB36#39	21.77	24.51	33	PASS		
		RB75#0	22.04	24.78	33	PASS		
		20	LCH	RB1#0	22.3	25.04	33	PASS
				RB1#50	22.86	25.6	33	PASS
				RB1#99	22.24	24.98	33	PASS
RB50#0	22.28			25.02	33	PASS		
RB50#25	22.31			25.05	33	PASS		

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
				RB50#50	22.11	24.85	33	PASS
				RB100#0	22.19	24.93	33	PASS
			MCH	RB1#0	21.82	24.56	33	PASS
				RB1#50	22.08	24.82	33	PASS
				RB1#99	22.74	25.48	33	PASS
				RB50#0	21.35	24.09	33	PASS
				RB50#25	21.51	24.25	33	PASS
				RB50#50	21.65	24.39	33	PASS
				RB100#0	21.5	24.24	33	PASS
			HCH	RB1#0	22.49	25.23	33	PASS
				RB1#50	22.74	25.48	33	PASS
				RB1#99	22.22	24.96	33	PASS
				RB50#0	22.29	25.03	33	PASS
				RB50#25	22.14	24.88	33	PASS
				RB50#50	21.84	24.58	33	PASS
				RB100#0	22.02	24.76	33	PASS
	LTE/TM2	5	LCH	RB1#0	21.12	23.86	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
				RB1#13	21.71	24.45	33	PASS
				RB1#24	21.62	24.36	33	PASS
				RB12#0	21.35	24.09	33	PASS
				RB12#6	21.57	24.31	33	PASS
				RB12#13	21.6	24.34	33	PASS
				RB25#0	21.51	24.25	33	PASS
			MCH	RB1#0	20.57	23.31	33	PASS
			MCH	RB1#13	21.04	23.78	33	PASS
			MCH	RB1#24	20.91	23.65	33	PASS
			MCH	RB12#0	20.75	23.49	33	PASS
			MCH	RB12#6	20.8	23.54	33	PASS
			MCH	RB12#13	20.83	23.57	33	PASS
			MCH	RB25#0	20.82	23.56	33	PASS
			HCH	RB1#0	21.14	23.88	33	PASS
			HCH	RB1#13	21.3	24.04	33	PASS
			HCH	RB1#24	21.14	23.88	33	PASS
			HCH	RB12#0	21.18	23.92	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict	
				RB12#6	21.31	24.05	33	PASS	
				RB12#13	21.16	23.9	33	PASS	
				RB25#0	21.18	23.92	33	PASS	
		10	LCH	RB1#0	21.29	24.03	33	PASS	
				RB1#25	22.23	24.97	33	PASS	
				RB1#49	22.11	24.85	33	PASS	
				RB25#0	21.24	23.98	33	PASS	
				RB25#13	21.71	24.45	33	PASS	
				RB25#25	21.57	24.31	33	PASS	
				RB50#0	21.47	24.21	33	PASS	
				MCH	RB1#0	20.59	23.33	33	PASS
					RB1#25	21.29	24.03	33	PASS
					RB1#49	21.74	24.48	33	PASS
					RB25#0	20.55	23.29	33	PASS
					RB25#13	20.95	23.69	33	PASS
RB25#25	20.91	23.65	33		PASS				
RB50#0	20.78	23.52	33		PASS				

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	21.73	24.47	33	PASS
				RB1#25	21.63	24.37	33	PASS
				RB1#49	21.68	24.42	33	PASS
				RB25#0	21.11	23.85	33	PASS
				RB25#13	21.2	23.94	33	PASS
				RB25#25	21.08	23.82	33	PASS
				RB50#0	21.12	23.86	33	PASS
		15	LCH	RB1#0	21.61	24.35	33	PASS
				RB1#38	22.48	25.22	33	PASS
				RB1#74	22.14	24.88	33	PASS
				RB36#0	21.57	24.31	33	PASS
				RB36#18	21.83	24.57	33	PASS
				RB36#39	21.68	24.42	33	PASS
				RB75#0	21.73	24.47	33	PASS
			MCH	RB1#0	20.99	23.73	33	PASS
				RB1#38	21.36	24.1	33	PASS
				RB1#74	21.83	24.57	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict	
				RB36#0	20.77	23.51	33	PASS	
				RB36#18	21	23.74	33	PASS	
				RB36#39	21.06	23.8	33	PASS	
				RB75#0	20.89	23.63	33	PASS	
			HCH	RB1#0	22.21	24.95	33	PASS	
				RB1#38	21.85	24.59	33	PASS	
				RB1#74	21.77	24.51	33	PASS	
				RB36#0	21.66	24.4	33	PASS	
				RB36#18	21.51	24.25	33	PASS	
				RB36#39	21.3	24.04	33	PASS	
				RB75#0	21.46	24.2	33	PASS	
				20	LCH	RB1#0	21.59	24.33	33
			RB1#50			22.32	25.06	33	PASS
			RB1#99			21.69	24.43	33	PASS
		RB50#0	21.76			24.5	33	PASS	
		RB50#25	21.78			24.52	33	PASS	
		RB50#50	21.56			24.3	33	PASS	



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measured [dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
				RB100#0	21.63	24.37	33	PASS
			MCH	RB1#0	21.19	23.93	33	PASS
				RB1#50	21.34	24.08	33	PASS
				RB1#99	22.03	24.77	33	PASS
				RB50#0	20.81	23.55	33	PASS
				RB50#25	20.98	23.72	33	PASS
				RB50#50	21.12	23.86	33	PASS
				RB100#0	20.95	23.69	33	PASS
				HCH	RB1#0	21.96	24.7	33
			RB1#50		22.23	24.97	33	PASS
			RB1#99		21.58	24.32	33	PASS
			RB50#0		21.76	24.5	33	PASS
			RB50#25		21.6	24.34	33	PASS
			RB50#50		21.3	24.04	33	PASS
			RB100#0		21.47	24.21	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	ERP/EIR P [dBm]	Limit [dBm]	Verdict
BAND4	LTE/TM1	5	LCH	RB1#0	22.31	24.99	30	PASS
				RB1#13	22.8	25.48	30	PASS
				RB1#24	22.45	25.13	30	PASS
				RB12#0	22.02	24.7	30	PASS
				RB12#6	22.19	24.87	30	PASS
				RB12#13	22.29	24.97	30	PASS
				RB25#0	22.07	24.75	30	PASS
			MCH	RB1#0	22.57	25.25	30	PASS
				RB1#13	22.89	25.57	30	PASS
				RB1#24	22.63	25.31	30	PASS
				RB12#0	22.35	25.03	30	PASS
				RB12#6	22.41	25.09	30	PASS
				RB12#13	22.26	24.94	30	PASS
				RB25#0	22.41	25.09	30	PASS
			HCH	RB1#0	22.54	25.22	30	PASS
				RB1#13	22.76	25.44	30	PASS
				RB1#24	22.63	25.31	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	ERP/EIR P [dBm]	Limit [dBm]	Verdict	
				RB12#0	22.19	24.87	30	PASS	
				RB12#6	22.31	24.99	30	PASS	
				RB12#13	22.26	24.94	30	PASS	
				RB25#0	22.2	24.88	30	PASS	
		10	LCH	RB1#0	22.14	24.82	30	PASS	
				RB1#25	22.89	25.57	30	PASS	
				RB1#49	22.97	25.65	30	PASS	
				RB25#0	21.82	24.5	30	PASS	
				RB25#13	22.19	24.87	30	PASS	
				RB25#25	22.12	24.8	30	PASS	
				RB50#0	21.95	24.63	30	PASS	
				MCH	RB1#0	22.47	25.15	30	PASS
					RB1#25	22.87	25.55	30	PASS
					RB1#49	22.64	25.32	30	PASS
RB25#0	22.1	24.78	30		PASS				
RB25#13	22.36	25.04	30		PASS				
RB25#25	22.08	24.76	30		PASS				

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	ERP/EIR P [dBm]	Limit [dBm]	Verdict
				RB50#0	22.14	24.82	30	PASS
			HCH	RB1#0	22.33	25.01	30	PASS
				RB1#25	23	25.68	30	PASS
				RB1#49	22.87	25.55	30	PASS
				RB25#0	22.08	24.76	30	PASS
				RB25#13	22.23	24.91	30	PASS
				RB25#25	22.04	24.72	30	PASS
				RB50#0	21.98	24.66	30	PASS
		15		LCH	RB1#0	22.48	25.16	30
			RB1#38		23.26	25.94	30	PASS
			RB1#74		23.17	25.85	30	PASS
			RB36#0		22.27	24.95	30	PASS
			RB36#18		22.59	25.27	30	PASS
			RB36#39		22.57	25.25	30	PASS
			RB75#0		22.47	25.15	30	PASS
			MCH	RB1#0	22.86	25.54	30	PASS
				RB1#38	23.08	25.76	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	ERP/EIR P [dBm]	Limit [dBm]	Verdict
				RB1#74	22.8	25.48	30	PASS
				RB36#0	22.47	25.15	30	PASS
				RB36#18	22.6	25.28	30	PASS
				RB36#39	22.37	25.05	30	PASS
				RB75#0	22.46	25.14	30	PASS
			HCH	RB1#0	22.62	25.3	30	PASS
				RB1#38	23.02	25.7	30	PASS
				RB1#74	23.01	25.69	30	PASS
				RB36#0	22.25	24.93	30	PASS
				RB36#18	22.51	25.19	30	PASS
		20	LCH	RB36#39	22.35	25.03	30	PASS
				RB75#0	22.27	24.95	30	PASS
				RB1#0	22.53	25.21	30	PASS
				RB1#50	23.25	25.93	30	PASS
				RB1#99	23.01	25.69	30	PASS
				RB50#0	22.36	25.04	30	PASS
				RB50#25	22.7	25.38	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	ERP/EIR P [dBm]	Limit [dBm]	Verdict
				RB50#50	22.61	25.29	30	PASS
				RB100#0	22.55	25.23	30	PASS
			MCH	RB1#0	22.87	25.55	30	PASS
				RB1#50	22.95	25.63	30	PASS
				RB1#99	22.73	25.41	30	PASS
				RB50#0	22.45	25.13	30	PASS
				RB50#25	22.42	25.1	30	PASS
				RB50#50	22.3	24.98	30	PASS
				RB100#0	22.32	25	30	PASS
				HCH	RB1#0	22.63	25.31	30
			RB1#50		22.99	25.67	30	PASS
			RB1#99		22.86	25.54	30	PASS
			RB50#0		22.27	24.95	30	PASS
			RB50#25		22.31	24.99	30	PASS
			RB50#50		22.25	24.93	30	PASS
			RB100#0		22.25	24.93	30	PASS
			LTE/TM2	5	LCH	RB1#0	21.95	24.63

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	ERP/EIR P [dBm]	Limit [dBm]	Verdict
				RB1#13	22.42	25.1	30	PASS
				RB1#24	22.09	24.77	30	PASS
				RB12#0	21.46	24.14	30	PASS
				RB12#6	21.63	24.31	30	PASS
				RB12#13	21.6	24.28	30	PASS
				RB25#0	21.37	24.05	30	PASS
			MCH	RB1#0	22.23	24.91	30	PASS
			MCH	RB1#13	22.44	25.12	30	PASS
			MCH	RB1#24	22.2	24.88	30	PASS
			MCH	RB12#0	21.71	24.39	30	PASS
			MCH	RB12#6	21.76	24.44	30	PASS
			MCH	RB12#13	21.63	24.31	30	PASS
			MCH	RB25#0	21.8	24.48	30	PASS
			HCH	RB1#0	22.26	24.94	30	PASS
			HCH	RB1#13	22.46	25.14	30	PASS
			HCH	RB1#24	22.23	24.91	30	PASS
			HCH	RB12#0	21.67	24.35	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	ERP/EIR P [dBm]	Limit [dBm]	Verdict	
				RB12#6	21.77	24.45	30	PASS	
				RB12#13	21.73	24.41	30	PASS	
				RB25#0	21.63	24.31	30	PASS	
		10	LCH	RB1#0	21.89	24.57	30	PASS	
				RB1#25	22.71	25.39	30	PASS	
				RB1#49	22.79	25.47	30	PASS	
				RB25#0	21.29	23.97	30	PASS	
				RB25#13	21.66	24.34	30	PASS	
				RB25#25	21.59	24.27	30	PASS	
				RB50#0	21.43	24.11	30	PASS	
				MCH	RB1#0	22.23	24.91	30	PASS
					RB1#25	22.66	25.34	30	PASS
					RB1#49	22.43	25.11	30	PASS
					RB25#0	21.57	24.25	30	PASS
					RB25#13	21.84	24.52	30	PASS
RB25#25	21.55	24.23	30		PASS				
				RB50#0	21.59	24.27	30	PASS	

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	ERP/EIR P [dBm]	Limit [dBm]	Verdict
			HCH	RB1#0	22	24.68	30	PASS
				RB1#25	22.71	25.39	30	PASS
				RB1#49	22.51	25.19	30	PASS
				RB25#0	21.57	24.25	30	PASS
				RB25#13	21.71	24.39	30	PASS
				RB25#25	21.54	24.22	30	PASS
				RB50#0	21.45	24.13	30	PASS
		15	LCH	RB1#0	22.12	24.8	30	PASS
				RB1#38	22.93	25.61	30	PASS
				RB1#74	22.8	25.48	30	PASS
				RB36#0	21.56	24.24	30	PASS
				RB36#18	21.89	24.57	30	PASS
				RB36#39	21.87	24.55	30	PASS
				RB75#0	21.73	24.41	30	PASS
				MCH	RB1#0	22.4	25.08	30
RB1#38	22.64	25.32	30		PASS			
RB1#74	22.35	25.03	30		PASS			

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	ERP/EIR P [dBm]	Limit [dBm]	Verdict
				RB36#0	21.78	24.46	30	PASS
				RB36#18	21.9	24.58	30	PASS
				RB36#39	21.68	24.36	30	PASS
				RB75#0	21.73	24.41	30	PASS
			HCH	RB1#0	22	24.68	30	PASS
				RB1#38	22.53	25.21	30	PASS
				RB1#74	22.53	25.21	30	PASS
				RB36#0	21.64	24.32	30	PASS
		RB36#18	21.89	24.57	30	PASS		
		RB36#39	21.72	24.4	30	PASS		
		RB75#0	21.63	24.31	30	PASS		
		20	LCH	RB1#0	22.15	24.83	30	PASS
				RB1#50	22.9	25.58	30	PASS
				RB1#99	22.59	25.27	30	PASS
				RB50#0	21.7	24.38	30	PASS
				RB50#25	22.03	24.71	30	PASS
				RB50#50	21.96	24.64	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	ERP/EIR P [dBm]	Limit [dBm]	Verdict
				RB100#0	21.89	24.57	30	PASS
			MCH	RB1#0	22.61	25.29	30	PASS
				RB1#50	22.66	25.34	30	PASS
				RB1#99	22.48	25.16	30	PASS
				RB50#0	21.78	24.46	30	PASS
				RB50#25	21.9	24.58	30	PASS
				RB50#50	21.78	24.46	30	PASS
				RB100#0	21.77	24.45	30	PASS
				HCH	RB1#0	22.32	25	30
			RB1#50		22.7	25.38	30	PASS
			RB1#99		22.7	25.38	30	PASS
			RB50#0		21.62	24.3	30	PASS
			RB50#25		21.67	24.35	30	PASS
			RB50#50		21.61	24.29	30	PASS
			RB100#0		21.58	24.26	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	ERP/EIR P [dBm]	Limit [dBm]	Verdict
BAND5	LTE/TM1	5	LCH	RB1#0	22.66	21	38.5	PASS
				RB1#13	23.18	21.52	38.5	PASS
				RB1#24	22.76	21.1	38.5	PASS
				RB12#0	21.88	20.22	38.5	PASS
				RB12#6	21.99	20.33	38.5	PASS
				RB12#13	22	20.34	38.5	PASS
				RB25#0	21.99	20.33	38.5	PASS
			MCH	RB1#0	22.67	21.01	38.5	PASS
				RB1#13	22.7	21.04	38.5	PASS
				RB1#24	22.59	20.93	38.5	PASS
				RB12#0	21.95	20.29	38.5	PASS
				RB12#6	21.91	20.25	38.5	PASS
				RB12#13	21.82	20.16	38.5	PASS
				RB25#0	21.85	20.19	38.5	PASS
			HCH	RB1#0	22.39	20.73	38.5	PASS
				RB1#13	22.88	21.22	38.5	PASS
				RB1#24	22.09	20.43	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	ERP/EIR P [dBm]	Limit [dBm]	Verdict	
				RB12#0	21.72	20.06	38.5	PASS	
				RB12#6	21.91	20.25	38.5	PASS	
				RB12#13	21.62	19.96	38.5	PASS	
				RB25#0	21.72	20.06	38.5	PASS	
		10	LCH	RB1#0	22.47	20.81	38.5	PASS	
				RB1#25	23.09	21.43	38.5	PASS	
				RB1#49	22.87	21.21	38.5	PASS	
				RB25#0	21.69	20.03	38.5	PASS	
				RB25#13	21.87	20.21	38.5	PASS	
				RB25#25	21.71	20.05	38.5	PASS	
				RB50#0	21.71	20.05	38.5	PASS	
				MCH	RB1#0	22.51	20.85	38.5	PASS
					RB1#25	22.8	21.14	38.5	PASS
					RB1#49	22.62	20.96	38.5	PASS
					RB25#0	21.74	20.08	38.5	PASS
					RB25#13	21.86	20.2	38.5	PASS
					RB25#25	21.5	19.84	38.5	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	ERP/EIR P [dBm]	Limit [dBm]	Verdict	
				RB50#0	21.65	19.99	38.5	PASS	
				HCH	RB1#0	22.18	20.52	38.5	PASS
					RB1#25	22.86	21.2	38.5	PASS
					RB1#49	22.38	20.72	38.5	PASS
					RB25#0	21.38	19.72	38.5	PASS
					RB25#13	21.74	20.08	38.5	PASS
					RB25#25	21.66	20	38.5	PASS
					RB50#0	21.63	19.97	38.5	PASS
	LTE/TM2	5		LCH	RB1#0	21.82	20.16	38.5	PASS
					RB1#13	22.31	20.65	38.5	PASS
					RB1#24	21.89	20.23	38.5	PASS
					RB12#0	20.91	19.25	38.5	PASS
					RB12#6	21.02	19.36	38.5	PASS
					RB12#13	21.04	19.38	38.5	PASS
					RB25#0	21.07	19.41	38.5	PASS
			MCH	RB1#0	21.82	20.16	38.5	PASS	
				RB1#13	21.84	20.18	38.5	PASS	

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	ERP/EIR P [dBm]	Limit [dBm]	Verdict
				RB1#24	21.67	20.01	38.5	PASS
				RB12#0	20.83	19.17	38.5	PASS
				RB12#6	20.79	19.13	38.5	PASS
				RB12#13	20.85	19.19	38.5	PASS
				RB25#0	20.8	19.14	38.5	PASS
			HCH	RB1#0	21.52	19.86	38.5	PASS
				RB1#13	22.06	20.4	38.5	PASS
				RB1#24	21.37	19.71	38.5	PASS
				RB12#0	20.72	19.06	38.5	PASS
				RB12#6	20.92	19.26	38.5	PASS
		10	LCH	RB12#13	20.65	18.99	38.5	PASS
				RB25#0	20.74	19.08	38.5	PASS
				RB1#0	21.64	19.98	38.5	PASS
				RB1#25	22.28	20.62	38.5	PASS
				RB1#49	22.07	20.41	38.5	PASS
				RB25#0	20.68	19.02	38.5	PASS
				RB25#13	20.85	19.19	38.5	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	ERP/EIR P [dBm]	Limit [dBm]	Verdict
				RB25#25	20.55	18.89	38.5	PASS
				RB50#0	20.69	19.03	38.5	PASS
			MCH	RB1#0	21.56	19.9	38.5	PASS
				RB1#25	21.97	20.31	38.5	PASS
				RB1#49	21.69	20.03	38.5	PASS
				RB25#0	20.59	18.93	38.5	PASS
				RB25#13	20.71	19.05	38.5	PASS
				RB25#25	20.51	18.85	38.5	PASS
				RB50#0	20.64	18.98	38.5	PASS
				HCH	RB1#0	21.28	19.62	38.5
			RB1#25		22	20.34	38.5	PASS
			RB1#49		21.65	19.99	38.5	PASS
			RB25#0		20.4	18.74	38.5	PASS
			RB25#13		20.75	19.09	38.5	PASS
			RB25#25		20.55	18.89	38.5	PASS
			RB50#0		20.52	18.86	38.5	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	ERP/EIR P [dBm]	Limit [dBm]	Verdict
BAND7	LTE/TM1	5	LCH	RB1#0	22.19	23.72	33	PASS
				RB1#13	22.44	23.97	33	PASS
				RB1#24	22.03	23.56	33	PASS
				RB12#0	21.23	22.76	33	PASS
				RB12#6	21.31	22.84	33	PASS
				RB12#13	21.16	22.69	33	PASS
				RB25#0	21.21	22.74	33	PASS
			MCH	RB1#0	21.63	23.16	33	PASS
				RB1#13	22.2	23.73	33	PASS
				RB1#24	22	23.53	33	PASS
				RB12#0	20.75	22.28	33	PASS
				RB12#6	21.04	22.57	33	PASS
				RB12#13	21.14	22.67	33	PASS
				RB25#0	21.05	22.58	33	PASS
			HCH	RB1#0	21.72	23.25	33	PASS
				RB1#13	22.06	23.59	33	PASS
				RB1#24	21.88	23.41	33	PASS



				RB12#0	20.98	22.51	33	PASS	
				RB12#6	21.06	22.59	33	PASS	
				RB12#13	20.97	22.5	33	PASS	
				RB25#0	20.99	22.52	33	PASS	
		10	LCH		RB1#0	22.15	23.68	33	PASS
					RB1#25	22.67	24.2	33	PASS
					RB1#49	22.21	23.74	33	PASS
					RB25#0	21.23	22.76	33	PASS
					RB25#13	21.35	22.88	33	PASS
					RB25#25	20.99	22.52	33	PASS
					RB50#0	21.09	22.62	33	PASS
			MCH		RB1#0	21.31	22.84	33	PASS
					RB1#25	22.35	23.88	33	PASS
					RB1#49	22.13	23.66	33	PASS
					RB25#0	20.58	22.11	33	PASS
					RB25#13	21.06	22.59	33	PASS
				RB25#25	20.95	22.48	33	PASS	
		HCH		RB50#0	20.81	22.34	33	PASS	
			HCH		RB1#0	21.63	23.16	33	PASS



				RB1#25	22.11	23.64	33	PASS	
				RB1#49	21.89	23.42	33	PASS	
				RB25#0	20.61	22.14	33	PASS	
				RB25#13	20.98	22.51	33	PASS	
				RB25#25	20.71	22.24	33	PASS	
				RB50#0	20.88	22.41	33	PASS	
		15	LCH	RB1#0	22.26	23.79	33	PASS	
				RB1#38	22.51	24.04	33	PASS	
				RB1#74	22.07	23.6	33	PASS	
				RB36#0	21.26	22.79	33	PASS	
				RB36#18	21.29	22.82	33	PASS	
				RB36#39	21.08	22.61	33	PASS	
				MCH	RB75#0	21.17	22.7	33	PASS
			RB1#0		21.41	22.94	33	PASS	
			RB1#38		22.26	23.79	33	PASS	
			RB1#74		22.39	23.92	33	PASS	
			RB36#0		20.52	22.05	33	PASS	
			RB36#18		20.9	22.43	33	PASS	
				RB36#39	21.09	22.62	33	PASS	

				RB75#0	20.9	22.43	33	PASS
			HCH	RB1#0	22.3	23.83	33	PASS
				RB1#38	22.17	23.7	33	PASS
				RB1#74	22.09	23.62	33	PASS
				RB36#0	21.21	22.74	33	PASS
				RB36#18	21.1	22.63	33	PASS
				RB36#39	21	22.53	33	PASS
				RB75#0	21.15	22.68	33	PASS
		20		LCH	RB1#0	22.33	23.86	33
			RB1#50		22.56	24.09	33	PASS
			RB1#99		21.87	23.4	33	PASS
			RB50#0		21.3	22.83	33	PASS
			RB50#25		21.24	22.77	33	PASS
			RB50#50		20.89	22.42	33	PASS
			RB100#0		21.03	22.56	33	PASS
			MCH	RB1#0	21.46	22.99	33	PASS
				RB1#50	22.34	23.87	33	PASS
				RB1#99	22.54	24.07	33	PASS
				RB50#0	20.66	22.19	33	PASS

				RB50#25	21.06	22.59	33	PASS
				RB50#50	21.19	22.72	33	PASS
				RB100#0	20.97	22.5	33	PASS
			HCH	RB1#0	22.43	23.96	33	PASS
				RB1#50	22.26	23.79	33	PASS
				RB1#99	21.99	23.52	33	PASS
				RB50#0	21.29	22.82	33	PASS
				RB50#25	21.15	22.68	33	PASS
				RB50#50	20.95	22.48	33	PASS
				RB100#0	21.29	22.82	33	PASS
				LCH	RB1#0	21.76	23.29	33
			RB1#13		22.02	23.55	33	PASS
			RB1#24		21.73	23.26	33	PASS
			RB12#0		21.5	23.03	33	PASS
			RB12#6		21.58	23.11	33	PASS
RB12#13	21.43	22.96	33		PASS			
RB25#0	21.4	22.93	33		PASS			
MCH	RB1#0	21.28	22.81	33	PASS			
	RB1#13	21.87	23.4	33	PASS			



				RB1#24	21.68	23.21	33	PASS
				RB12#0	20.95	22.48	33	PASS
				RB12#6	21.12	22.65	33	PASS
				RB12#13	21.22	22.75	33	PASS
				RB25#0	21.13	22.66	33	PASS
			HCH	RB1#0	21.46	22.99	33	PASS
				RB1#13	21.82	23.35	33	PASS
				RB1#24	21.52	23.05	33	PASS
				RB12#0	21.06	22.59	33	PASS
				RB12#6	21.14	22.67	33	PASS
				RB12#13	21.05	22.58	33	PASS
				RB25#0	21	22.53	33	PASS
			LCH	RB1#0	21.64	23.17	33	PASS
				RB1#25	22.2	23.73	33	PASS
RB1#49	21.77	23.3		33	PASS			
RB25#0	21.25	22.78		33	PASS			
RB25#13	21.47	23		33	PASS			
RB25#25	21.12	22.65		33	PASS			
RB50#0	21.22	22.75		33	PASS			



			MCH	RB1#0	20.99	22.52	33	PASS
				RB1#25	22.04	23.57	33	PASS
				RB1#49	21.83	23.36	33	PASS
				RB25#0	20.69	22.22	33	PASS
				RB25#13	21.16	22.69	33	PASS
				RB25#25	21.03	22.56	33	PASS
				RB50#0	20.9	22.43	33	PASS
			HCH	RB1#0	21.33	22.86	33	PASS
				RB1#25	21.83	23.36	33	PASS
				RB1#49	21.61	23.14	33	PASS
				RB25#0	20.75	22.28	33	PASS
				RB25#13	21.11	22.64	33	PASS
				RB25#25	20.85	22.38	33	PASS
				RB50#0	20.89	22.42	33	PASS
			15	LCH	RB1#0	21.79	23.32	33
RB1#38	22.05	23.58			33	PASS		
RB1#74	21.63	23.16			33	PASS		
RB36#0	21.41	22.94			33	PASS		
RB36#18	21.44	22.97			33	PASS		

				RB36#39	21.22	22.75	33	PASS
				RB75#0	21.32	22.85	33	PASS
			MCH	RB1#0	21.14	22.67	33	PASS
				RB1#38	22.03	23.56	33	PASS
				RB1#74	22.14	23.67	33	PASS
				RB36#0	20.69	22.22	33	PASS
				RB36#18	21.07	22.6	33	PASS
				RB36#39	21.25	22.78	33	PASS
				RB75#0	21.05	22.58	33	PASS
				HCH	RB1#0	22.14	23.67	33
		RB1#38	21.93		23.46	33	PASS	
		RB1#74	21.83		23.36	33	PASS	
		RB36#0	21.27		22.8	33	PASS	
		RB36#18	21.17		22.7	33	PASS	
		RB36#39	21.07		22.6	33	PASS	
		RB75#0	21.19		22.72	33	PASS	
		20	LCH	RB1#0	22.08	23.61	33	PASS
				RB1#50	22.33	23.86	33	PASS
				RB1#99	21.64	23.17	33	PASS

				RB50#0	21.41	22.94	33	PASS
				RB50#25	21.34	22.87	33	PASS
				RB50#50	20.98	22.51	33	PASS
				RB100#0	21.15	22.68	33	PASS
			MCH	RB1#0	21.16	22.69	33	PASS
				RB1#50	22.08	23.61	33	PASS
				RB1#99	22.29	23.82	33	PASS
				RB50#0	20.74	22.27	33	PASS
				RB50#25	21.12	22.65	33	PASS
				RB50#50	21.25	22.78	33	PASS
				RB100#0	21.02	22.55	33	PASS
			HCH	RB1#0	22.21	23.74	33	PASS
				RB1#50	22.01	23.54	33	PASS
				RB1#99	21.76	23.29	33	PASS
				RB50#0	21.45	22.98	33	PASS
				RB50#25	21.31	22.84	33	PASS
				RB50#50	21.11	22.64	33	PASS
				RB100#0	21.32	22.85	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
GSM1900	GSM/TM1	LCH	0.43	13	PASS
		MCH	0.45	13	PASS
		HCH	0.48	13	PASS
	GSM/TM2	LCH	3.15	13	PASS
		MCH	3.03	13	PASS
		HCH	3.13	13	PASS
Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
WCDMA1900	UMTS/TM1	LCH	3.27	13	PASS
		MCH	3.14	13	PASS
		HCH	3.07	13	PASS
WCDMA1700	UMTS/TM1	LCH	3.23	13	PASS
		MCH	3.21	13	PASS
		HCH	3.25	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND2	LTE/TM1	5	LCH	RB1#0	3.77	13	PASS
				RB1#13	3.37	13	PASS
				RB1#24	3.4	13	PASS
				RB12#0	3.99	13	PASS
				RB12#6	4.04	13	PASS
				RB12#13	3.99	13	PASS
			RB25#0	4.79	13	PASS	
			MCH	RB1#0	4.08	13	PASS
				RB1#13	3.64	13	PASS
				RB1#24	3.78	13	PASS
				RB12#0	4.13	13	PASS
				RB12#6	4.12	13	PASS
				RB12#13	4.18	13	PASS
			HCH	RB25#0	5.53	13	PASS
				RB1#0	3.31	13	PASS
				RB1#13	3.03	13	PASS
				RB1#24	3.16	13	PASS
				RB12#0	3.73	13	PASS
		RB12#6		3.74	13	PASS	
		10	LCH	RB12#13	3.68	13	PASS
				RB25#0	4.25	13	PASS
				RB1#0	3.81	13	PASS
				RB1#25	3.42	13	PASS
				RB1#49	3.32	13	PASS
				RB25#0	4.16	13	PASS
			MCH	RB25#13	3.98	13	PASS
				RB25#25	4.05	13	PASS
				RB50#0	4.49	13	PASS
				RB1#0	3.7	13	PASS
				RB1#25	3.6	13	PASS
RB1#49	3.62			13	PASS		
HCH	RB25#0	4.3	13	PASS			
	RB25#13	4.2	13	PASS			
	RB25#25	4.38	13	PASS			
HCH	RB50#0	5.01	13	PASS			
	RB1#0	3.22	13	PASS			
	RB1#25	3.11	13	PASS			
				RB1#49	3.18	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		15		RB25#0	3.81	13	PASS
				RB25#13	3.69	13	PASS
				RB25#25	3.92	13	PASS
				RB50#0	4.61	13	PASS
			LCH	RB1#0	4.07	13	PASS
				RB1#38	3.2	13	PASS
				RB1#74	3.39	13	PASS
				RB36#0	4.01	13	PASS
				RB36#18	3.88	13	PASS
				RB36#39	3.88	13	PASS
			MCH	RB75#0	4.86	13	PASS
				RB1#0	3.95	13	PASS
		RB1#38		3.59	13	PASS	
		RB1#74		3.86	13	PASS	
		RB36#0		4.26	13	PASS	
		RB36#18		4.28	13	PASS	
		HCH	RB36#39	4.29	13	PASS	
			RB75#0	5.37	13	PASS	
			RB1#0	3.59	13	PASS	
			RB1#38	3.03	13	PASS	
			RB1#74	3.47	13	PASS	
			RB36#0	3.79	13	PASS	
		20	LCH	RB36#18	3.68	13	PASS
				RB36#39	3.81	13	PASS
				RB75#0	4.77	13	PASS
				RB1#0	3.94	13	PASS
				RB1#50	3.2	13	PASS
				RB1#99	3.74	13	PASS
			MCH	RB50#0	3.98	13	PASS
				RB50#25	3.88	13	PASS
				RB50#50	3.9	13	PASS
				RB100#0	4.5	13	PASS
RB1#0	3.57			13	PASS		
RB1#50	3.67			13	PASS		
RB1#99	3.54	13	PASS				
RB50#0	4.25	13	PASS				
RB50#25	4.3	13	PASS				
RB50#50	4.4	13	PASS				
RB100#0	5.25	13	PASS				

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
			HCH	RB1#0	3.74	13	PASS	
				RB1#50	2.99	13	PASS	
				RB1#99	3.37	13	PASS	
				RB50#0	3.96	13	PASS	
				RB50#25	3.78	13	PASS	
				RB50#50	3.87	13	PASS	
				RB100#0	4.56	13	PASS	
			LCH	RB1#0	4.55	13	PASS	
				RB1#13	4.23	13	PASS	
				RB1#24	4.09	13	PASS	
				RB12#0	4.31	13	PASS	
				RB12#6	4.47	13	PASS	
				RB12#13	4.32	13	PASS	
				RB25#0	4.99	13	PASS	
	MCH	RB1#0	4.76	13	PASS			
		RB1#13	3.84	13	PASS			
		RB1#24	4.58	13	PASS			
		RB12#0	4.48	13	PASS			
		RB12#6	4.63	13	PASS			
		RB12#13	4.46	13	PASS			
	HCH	RB25#0	5.39	13	PASS			
		RB1#0	4.28	13	PASS			
		RB1#13	3.63	13	PASS			
		RB1#24	4.07	13	PASS			
		RB12#0	4.07	13	PASS			
		RB12#6	3.95	13	PASS			
	5			LCH	RB12#13	4.06	13	PASS
					RB25#0	4.97	13	PASS
					RB1#0	3.99	13	PASS
					RB1#25	3.93	13	PASS
RB1#49					3.61	13	PASS	
RB25#0					4.5	13	PASS	
MCH				RB25#13	4.55	13	PASS	
				RB25#25	4.36	13	PASS	
				RB50#0	5.03	13	PASS	
				RB1#0	4.18	13	PASS	
				RB1#25	4.1	13	PASS	
				RB1#49	4.01	13	PASS	
10				MCH	RB25#0	4.53	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB25#13	4.58	13	PASS
				RB25#25	4.5	13	PASS
				RB50#0	5.64	13	PASS
			HCH	RB1#0	3.98	13	PASS
				RB1#25	3.83	13	PASS
				RB1#49	3.77	13	PASS
				RB25#0	4.15	13	PASS
				RB25#13	4.04	13	PASS
				RB25#25	4.18	13	PASS
				RB50#0	5.13	13	PASS
			LCH	RB1#0	4.93	13	PASS
				RB1#38	3.57	13	PASS
		RB1#74		4.38	13	PASS	
		RB36#0		4.34	13	PASS	
		RB36#18		4.13	13	PASS	
		RB36#39		4.26	13	PASS	
		RB75#0		5.13	13	PASS	
		MCH	RB1#0	4.79	13	PASS	
			RB1#38	3.91	13	PASS	
			RB1#74	4.55	13	PASS	
			RB36#0	4.57	13	PASS	
			RB36#18	4.42	13	PASS	
			RB36#39	4.6	13	PASS	
			RB75#0	5.65	13	PASS	
		HCH	RB1#0	4.3	13	PASS	
			RB1#38	3.63	13	PASS	
			RB1#74	4	13	PASS	
			RB36#0	4.23	13	PASS	
			RB36#18	4.03	13	PASS	
			RB36#39	4.24	13	PASS	
			RB75#0	4.99	13	PASS	
		20	LCH	RB1#0	4.2	13	PASS
				RB1#50	3.75	13	PASS
RB1#99	3.89			13	PASS		
RB50#0	4.42			13	PASS		
RB50#25	4.31			13	PASS		
RB50#50	4.29			13	PASS		
RB100#0	5.19			13	PASS		
MCH	RB1#0		4.31	13	PASS		



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#50	4.25	13	PASS
				RB1#99	4.18	13	PASS
				RB50#0	4.66	13	PASS
				RB50#25	4.77	13	PASS
				RB50#50	4.69	13	PASS
				RB100#0	5.48	13	PASS
			HCH	RB1#0	3.98	13	PASS
				RB1#50	3.76	13	PASS
				RB1#99	3.77	13	PASS
				RB50#0	4.38	13	PASS
				RB50#25	4.22	13	PASS
				RB50#50	4.32	13	PASS
				RB100#0	5.06	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND4	LTE/TM1	5	LCH	RB1#0	4.35	13	PASS
				RB1#13	3.8	13	PASS
				RB1#24	4.08	13	PASS
				RB12#0	4.5	13	PASS
				RB12#6	4.55	13	PASS
				RB12#13	4.51	13	PASS
				RB25#0	5.02	13	PASS
			MCH	RB1#0	3.75	13	PASS
				RB1#13	3.43	13	PASS
				RB1#24	3.73	13	PASS
				RB12#0	4.12	13	PASS
				RB12#6	4.09	13	PASS
				RB12#13	4.17	13	PASS
				RB25#0	5.26	13	PASS
		HCH	RB1#0	3.94	13	PASS	
			RB1#13	3.76	13	PASS	
			RB1#24	3.85	13	PASS	
			RB12#0	4.48	13	PASS	
			RB12#6	4.48	13	PASS	
			RB12#13	4.41	13	PASS	
			RB25#0	4.69	13	PASS	
10	LCH	RB1#0	4.45	13	PASS		

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#25	3.73	13	PASS
				RB1#49	4.44	13	PASS
				RB25#0	4.58	13	PASS
				RB25#13	4.41	13	PASS
				RB25#25	4.55	13	PASS
				RB50#0	5.46	13	PASS
			MCH	RB1#0	4.06	13	PASS
				RB1#25	3.38	13	PASS
				RB1#49	3.93	13	PASS
				RB25#0	4.12	13	PASS
				RB25#13	3.98	13	PASS
				RB25#25	4.21	13	PASS
			HCH	RB50#0	5.22	13	PASS
				RB1#0	4.18	13	PASS
				RB1#25	3.7	13	PASS
				RB1#49	4.01	13	PASS
				RB25#0	4.44	13	PASS
				RB25#13	4.3	13	PASS
		15	LCH	RB25#25	4.49	13	PASS
				RB50#0	5.44	13	PASS
				RB1#0	5.03	13	PASS
				RB1#38	3.6	13	PASS
				RB1#74	3.91	13	PASS
				RB36#0	4.46	13	PASS
			MCH	RB36#18	4.32	13	PASS
				RB36#39	4.32	13	PASS
				RB75#0	5.36	13	PASS
				RB1#0	4.57	13	PASS
				RB1#38	3.35	13	PASS
				RB1#74	4.2	13	PASS
HCH	RB36#0	4.11	13	PASS			
	RB36#18	3.99	13	PASS			
	RB36#39	4.25	13	PASS			
	RB75#0	5.01	13	PASS			
	RB36#18	4.34	13	PASS			

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		20		RB36#39	4.46	13	PASS
				RB75#0	5.26	13	PASS
			LCH	RB1#0	3.78	13	PASS
				RB1#50	3.48	13	PASS
				RB1#99	3.31	13	PASS
				RB50#0	4.45	13	PASS
				RB50#25	4.21	13	PASS
				RB50#50	4.21	13	PASS
				RB100#0	5.16	13	PASS
				MCH	RB1#0	3.43	13
		RB1#50	3.32		13	PASS	
		RB1#99	3.58		13	PASS	
		RB50#0	4.13		13	PASS	
		RB50#25	4.03		13	PASS	
		RB50#50	4.28		13	PASS	
		HCH	RB1#0	3.47	13	PASS	
			RB1#50	3.6	13	PASS	
			RB1#99	3.6	13	PASS	
			RB50#0	4.36	13	PASS	
			RB50#25	4.41	13	PASS	
	RB50#50		4.49	13	PASS		
	LTE/TM2	5	LCH	RB1#0	4.99	13	PASS
				RB1#13	4.16	13	PASS
				RB1#24	4.12	13	PASS
				RB12#0	4.56	13	PASS
				RB12#6	4.5	13	PASS
				RB12#13	4.58	13	PASS
				RB25#0	5.74	13	PASS
			MCH	RB1#0	4.21	13	PASS
				RB1#13	4.04	13	PASS
				RB1#24	3.88	13	PASS
				RB12#0	4.24	13	PASS
RB12#6				4.31	13	PASS	
HCH	RB12#13	4.31	13	PASS			
	RB25#0	4.92	13	PASS			
			HCH	RB1#0	4.47	13	PASS
			HCH	RB1#13	4.36	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		10		RB1#24	4.05	13	PASS
				RB12#0	4.61	13	PASS
				RB12#6	4.57	13	PASS
				RB12#13	4.58	13	PASS
				RB25#0	5.21	13	PASS
			LCH	RB1#0	5.08	13	PASS
				RB1#25	3.96	13	PASS
				RB1#49	3.72	13	PASS
				RB25#0	4.77	13	PASS
				RB25#13	4.7	13	PASS
		RB25#25		4.69	13	PASS	
		RB50#0		5.71	13	PASS	
		MCH	RB1#0	3.82	13	PASS	
			RB1#25	3.71	13	PASS	
			RB1#49	3.65	13	PASS	
			RB25#0	4.42	13	PASS	
			RB25#13	4.46	13	PASS	
			RB25#25	4.46	13	PASS	
			RB50#0	5.31	13	PASS	
		HCH	RB1#0	4.85	13	PASS	
			RB1#25	3.99	13	PASS	
			RB1#49	4.22	13	PASS	
			RB25#0	4.69	13	PASS	
			RB25#13	4.58	13	PASS	
			RB25#25	4.7	13	PASS	
			RB50#0	5.65	13	PASS	
		15	LCH	RB1#0	5.22	13	PASS
				RB1#38	3.91	13	PASS
				RB1#74	4.28	13	PASS
				RB36#0	4.63	13	PASS
RB36#18	4.7			13	PASS		
RB36#39	4.48			13	PASS		
MCH	RB75#0		5.56	13	PASS		
	RB1#0		4.44	13	PASS		
	RB1#38		3.69	13	PASS		
	RB1#74		4.34	13	PASS		
	RB36#0		4.32	13	PASS		
	RB36#18		4.32	13	PASS		
RB36#39	4.46	13	PASS				



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
			HCH	RB75#0	5.48	13	PASS	
				RB1#0	4.82	13	PASS	
				RB1#38	4.03	13	PASS	
				RB1#74	4.38	13	PASS	
				RB36#0	4.61	13	PASS	
				RB36#18	4.55	13	PASS	
				RB36#39	4.62	13	PASS	
				RB75#0	5.56	13	PASS	
		20	LCH	RB1#0	4.53	13	PASS	
				RB1#50	4.04	13	PASS	
				RB1#99	3.94	13	PASS	
				RB50#0	4.91	13	PASS	
				RB50#25	4.68	13	PASS	
				RB50#50	4.44	13	PASS	
				RB100#0	5.45	13	PASS	
				MCH	RB1#0	4.05	13	PASS
					RB1#50	4.02	13	PASS
					RB1#99	4.23	13	PASS
					RB50#0	4.43	13	PASS
					RB50#25	4.27	13	PASS
		RB50#50	4.54		13	PASS		
		HCH	RB100#0	5.25	13	PASS		
			RB1#0	4.24	13	PASS		
			RB1#50	4.17	13	PASS		
			RB1#99	4.21	13	PASS		
			RB50#0	4.6	13	PASS		
			RB50#25	4.6	13	PASS		
			RB50#50	4.76	13	PASS		
		RB100#0	5.5	13	PASS			

3Appendix_C: Modulation Characteristics

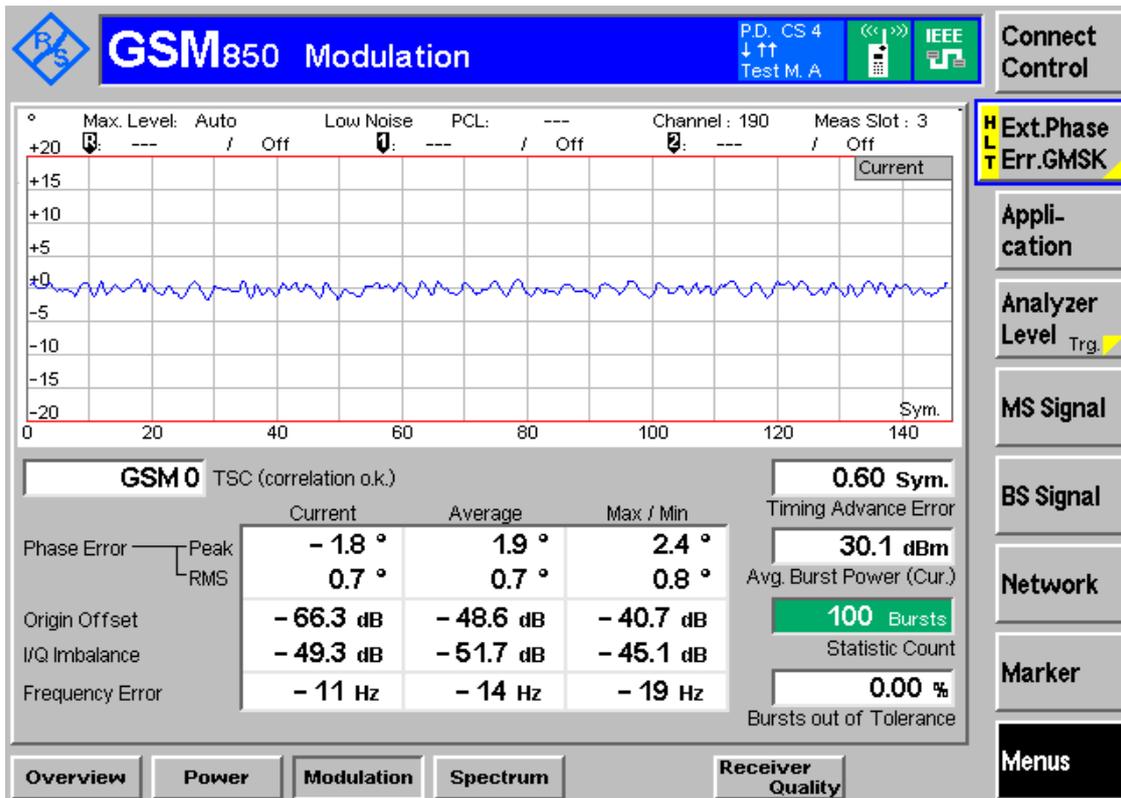
Part I - Test Plots

3.1 For GSM

3.1.1 Test Band = GSM850

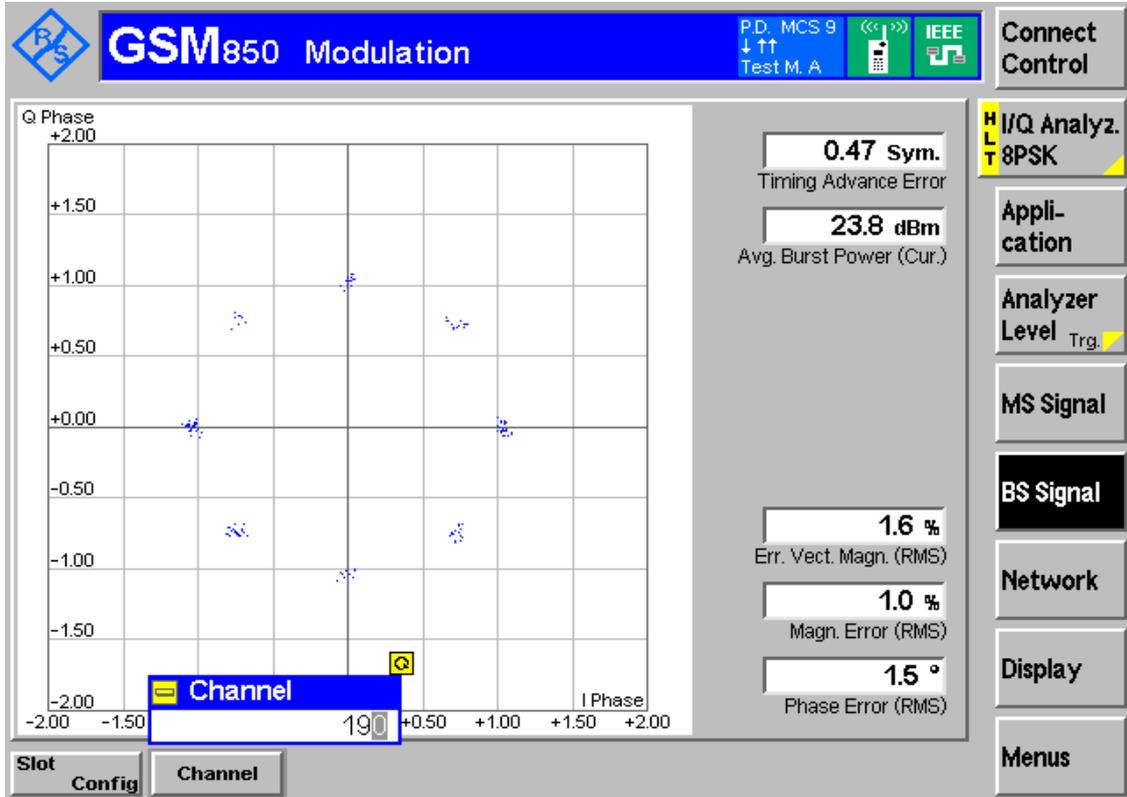
3.1.1.1 Test Mode = GSM/TM1

3.1.1.1.1 Test Channel = MCH



3.1.1.2 Test Mode = GSM/TM2

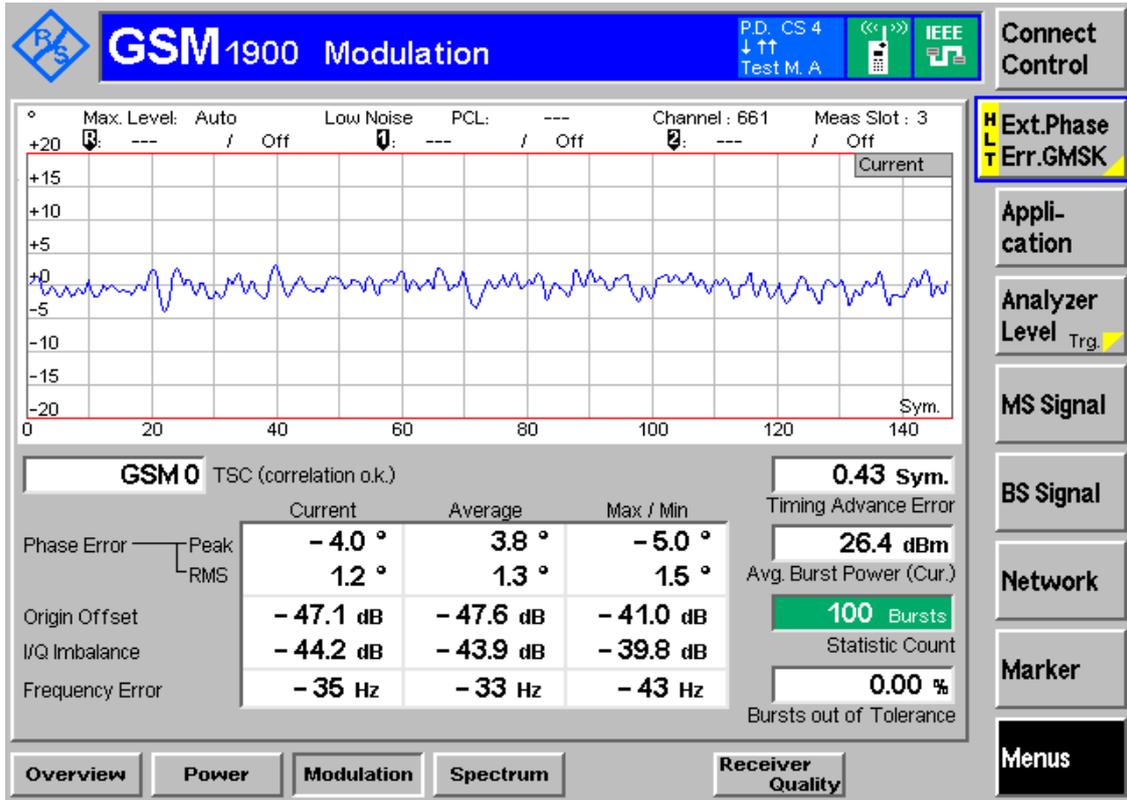
3.1.1.2.1 Test Channel = MCH



3.1.2 Test Band = GSM1900

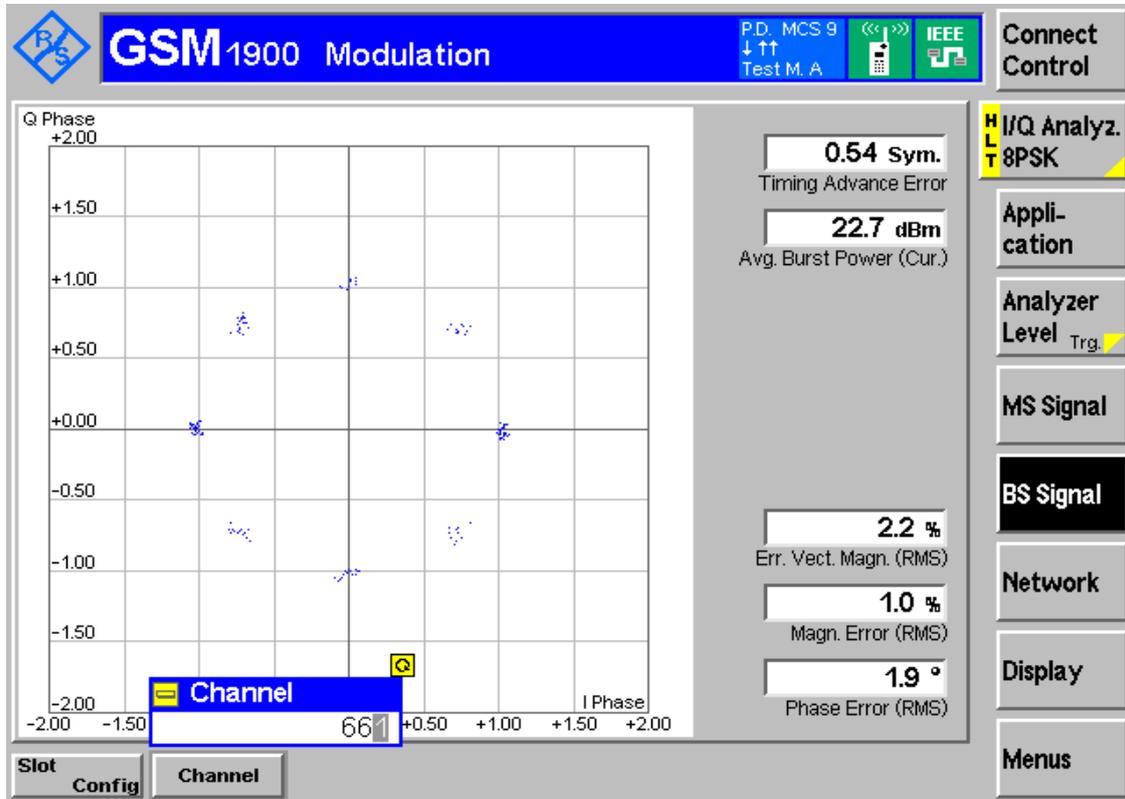
3.1.2.1 Test Mode = GSM/TM1

3.1.2.1.1 Test Channel = MCH



3.1.2.2 Test Mode = GSM/TM2

3.1.2.2.1 Test Channel = MCH

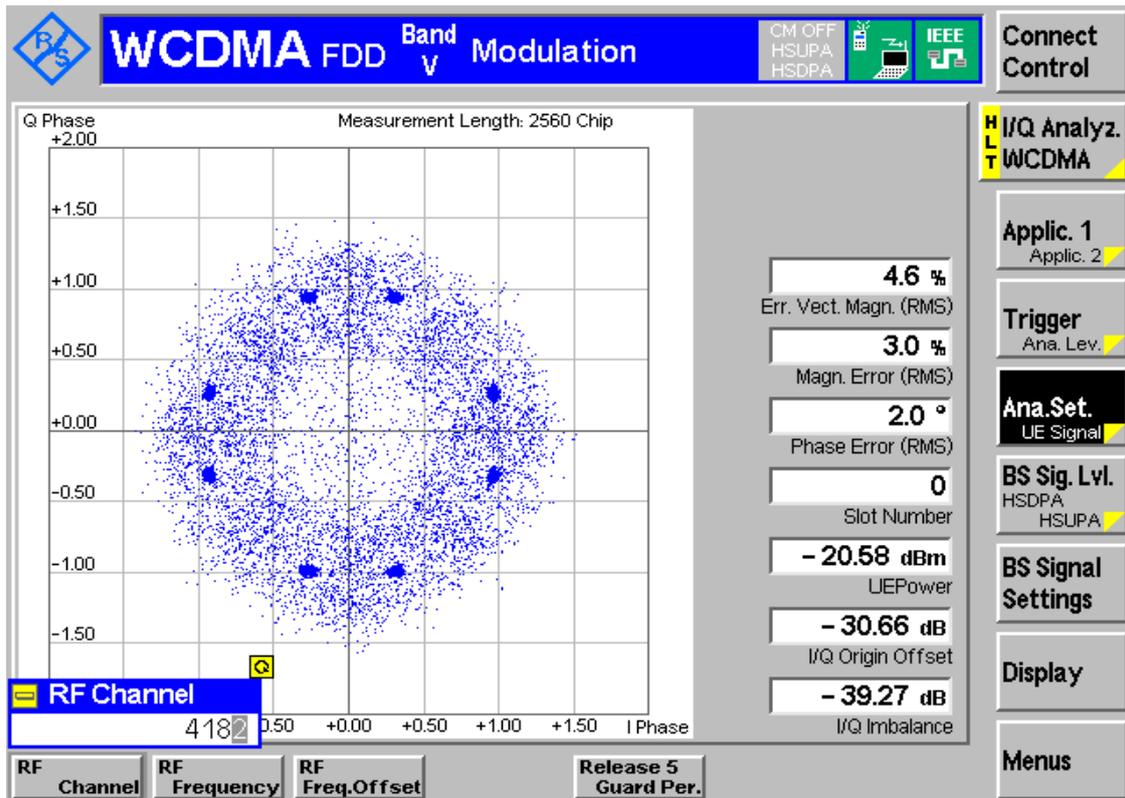


3.2 For UMTS

3.2.1 Test Band = WCDMA850

3.2.1.1 Test Mode = UMTS/TM1

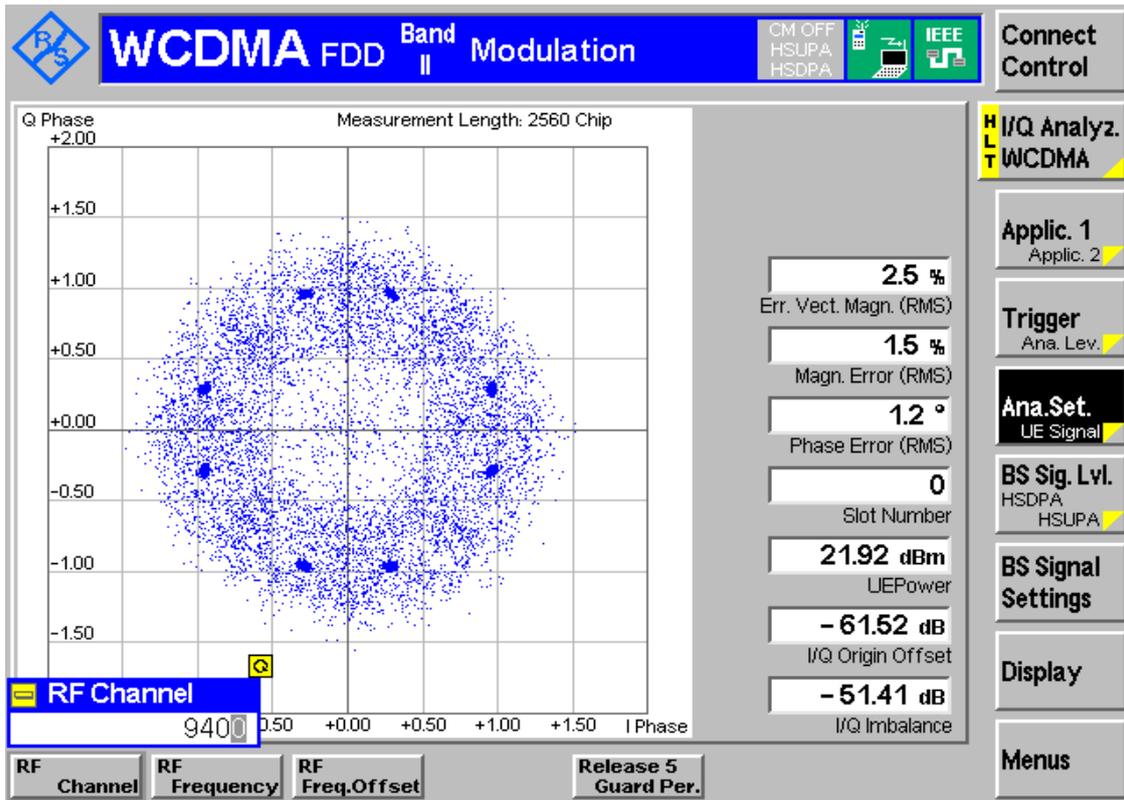
3.2.1.1.1 Test Channel = MCH



3.2.2 Test Band = WCDMA1900

3.2.2.1 Test Mode = UMTS/TM1

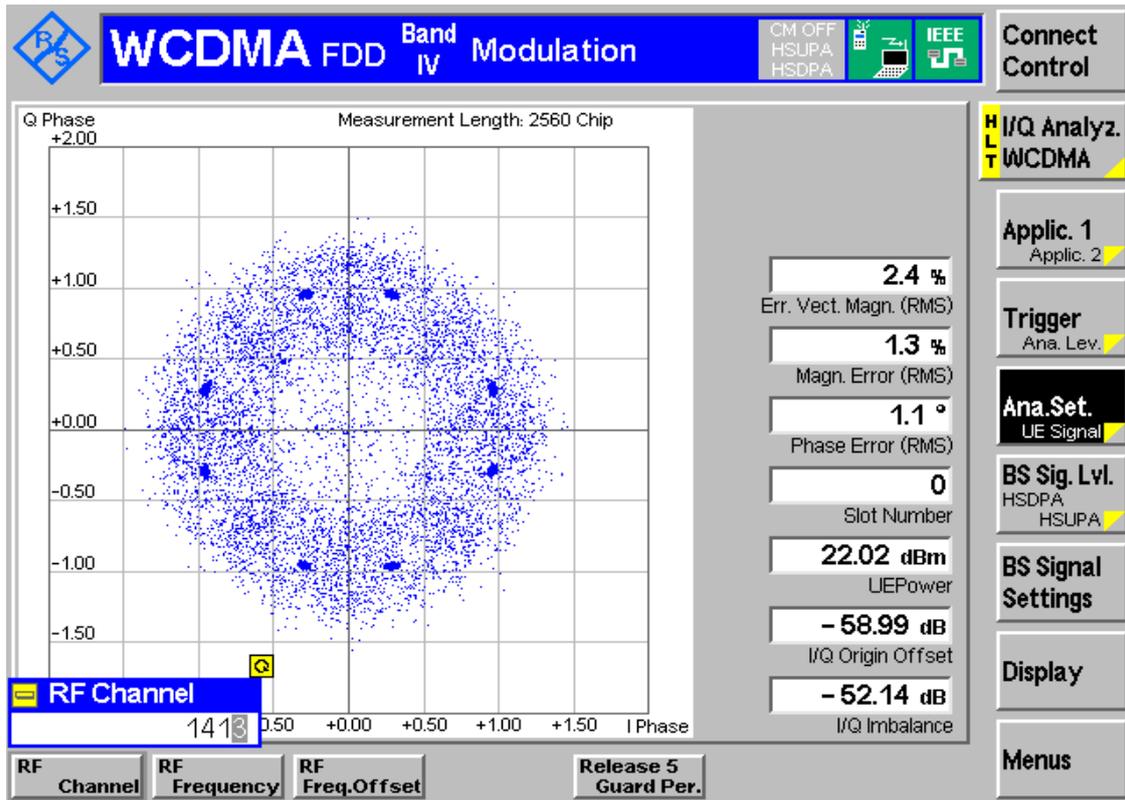
3.2.2.1.1 Test Channel = MCH



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

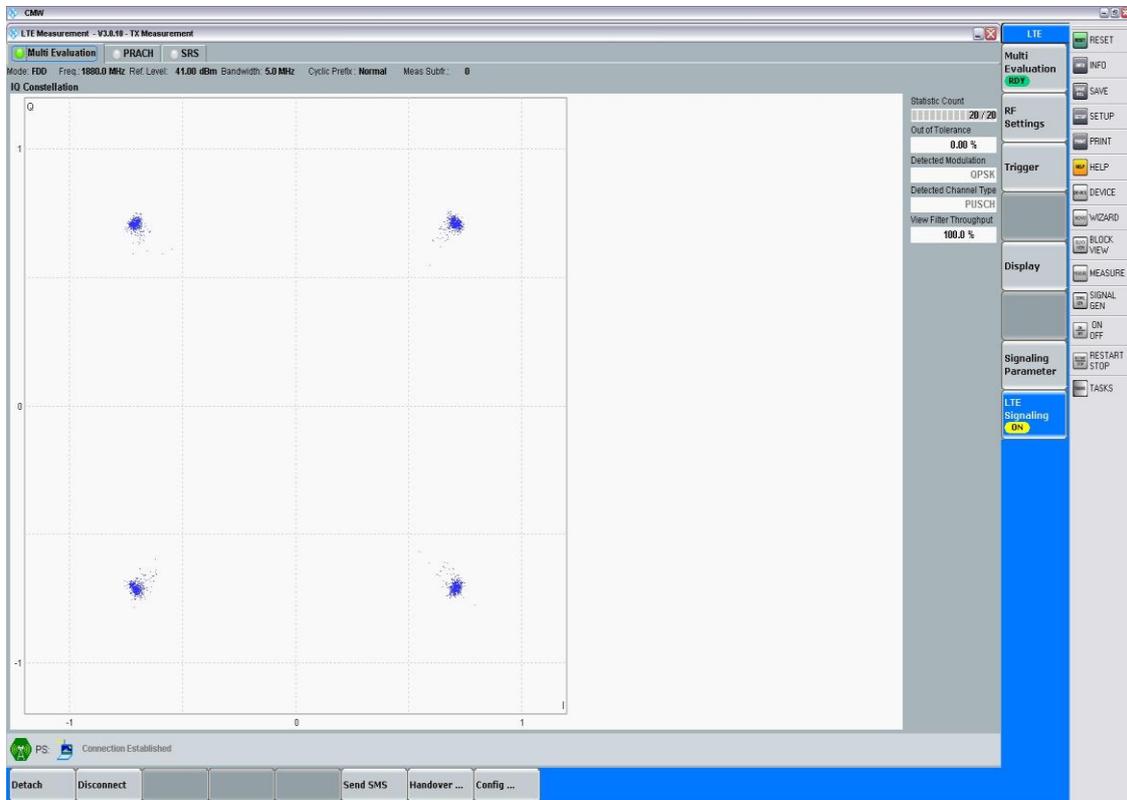
3.3.1 Test Band = BAND2

3.3.1.1 Test Mode = LTE/TM1

3.3.1.1.1 Test Bandwidth = 5

3.3.1.1.1.1 Test Channel = MCH

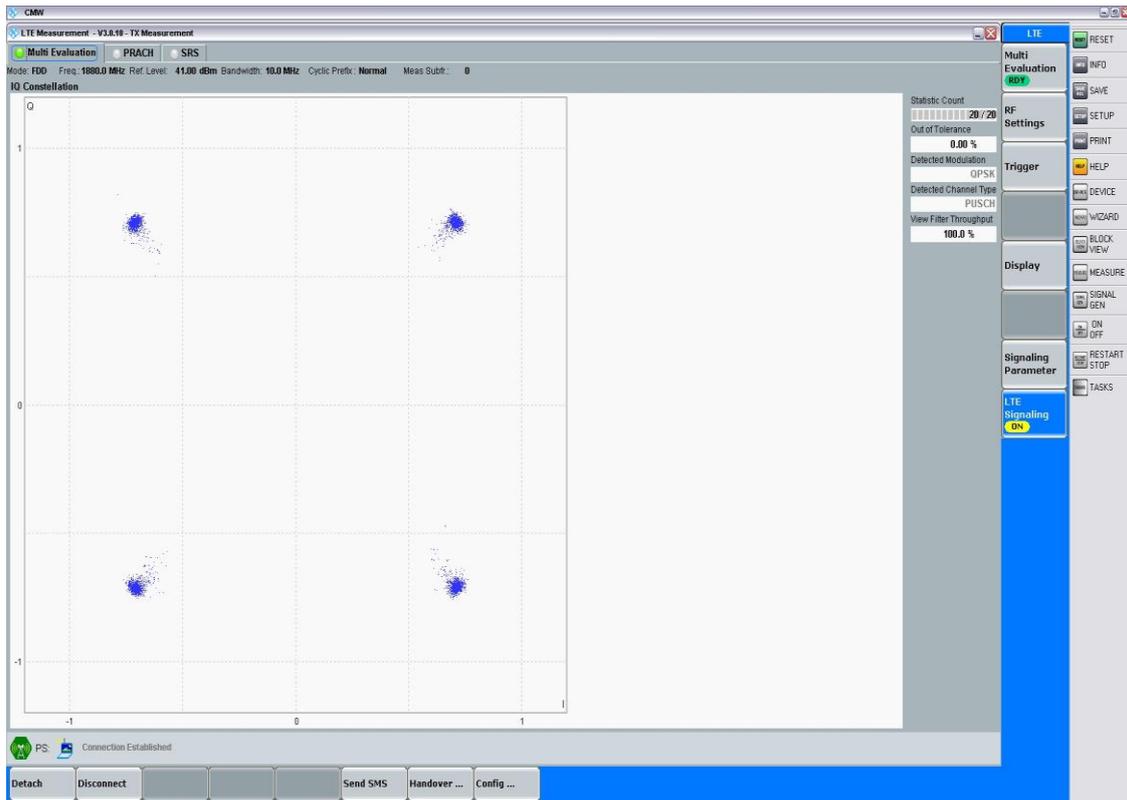
3.3.1.1.1.1.1 Test RB = RB25#0



3.3.1.1.2 Test Bandwidth = 10

3.3.1.1.2.1 Test Channel = MCH

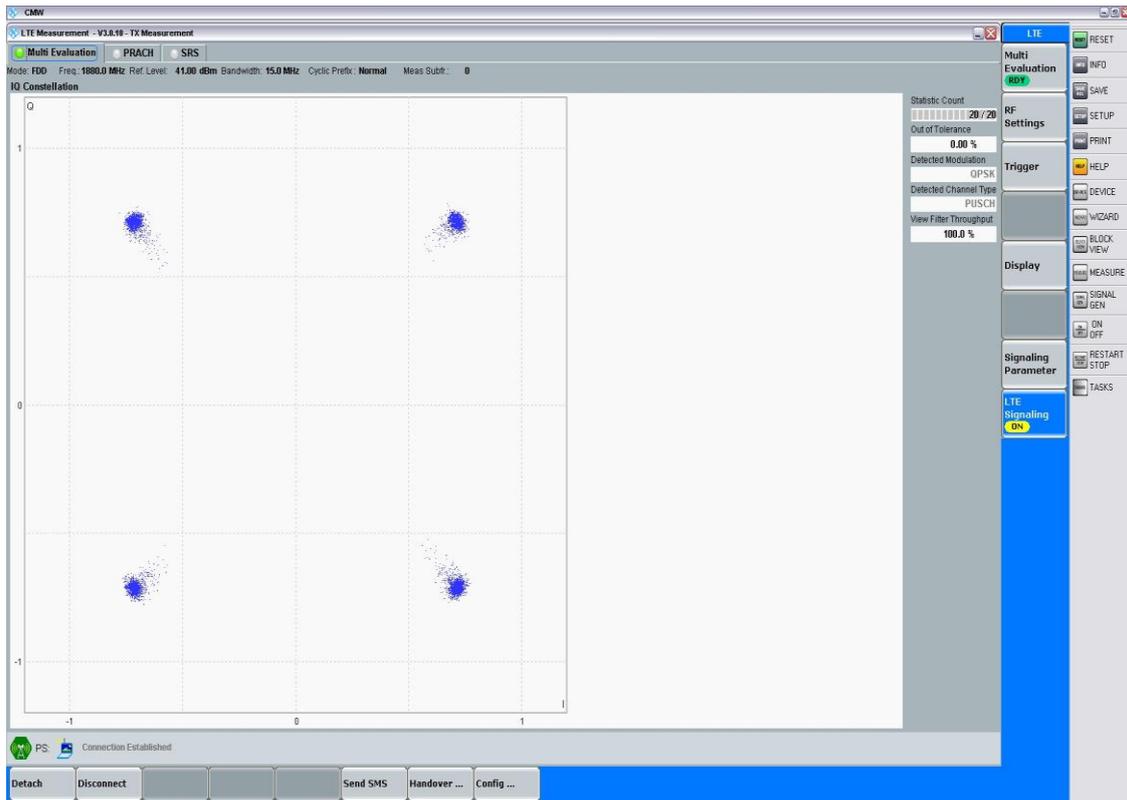
3.3.1.1.2.1.1 Test RB = RB50#0



3.3.1.1.3 Test Bandwidth = 15

3.3.1.1.3.1 Test Channel = MCH

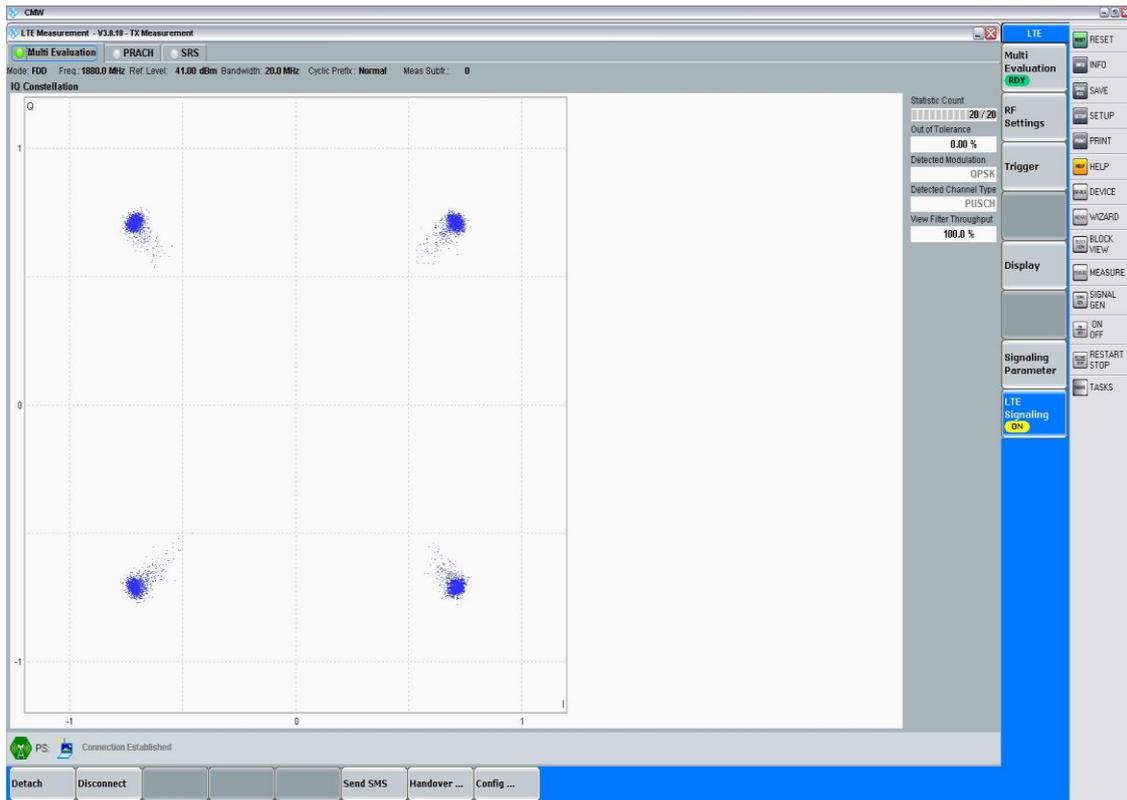
3.3.1.1.3.1.1 Test RB = RB75#0



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

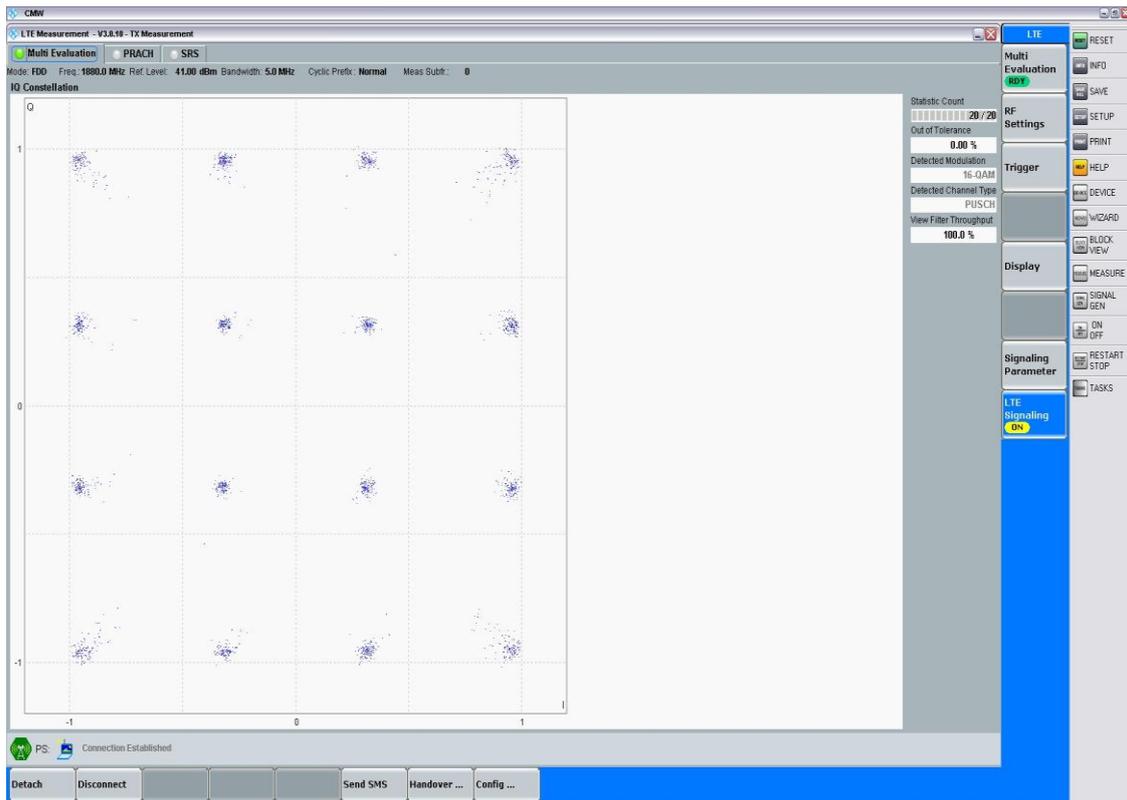


3.3.1.2 Test Mode = LTE/TM2

3.3.1.2.1 Test Bandwidth = 5

3.3.1.2.1.1 Test Channel = MCH

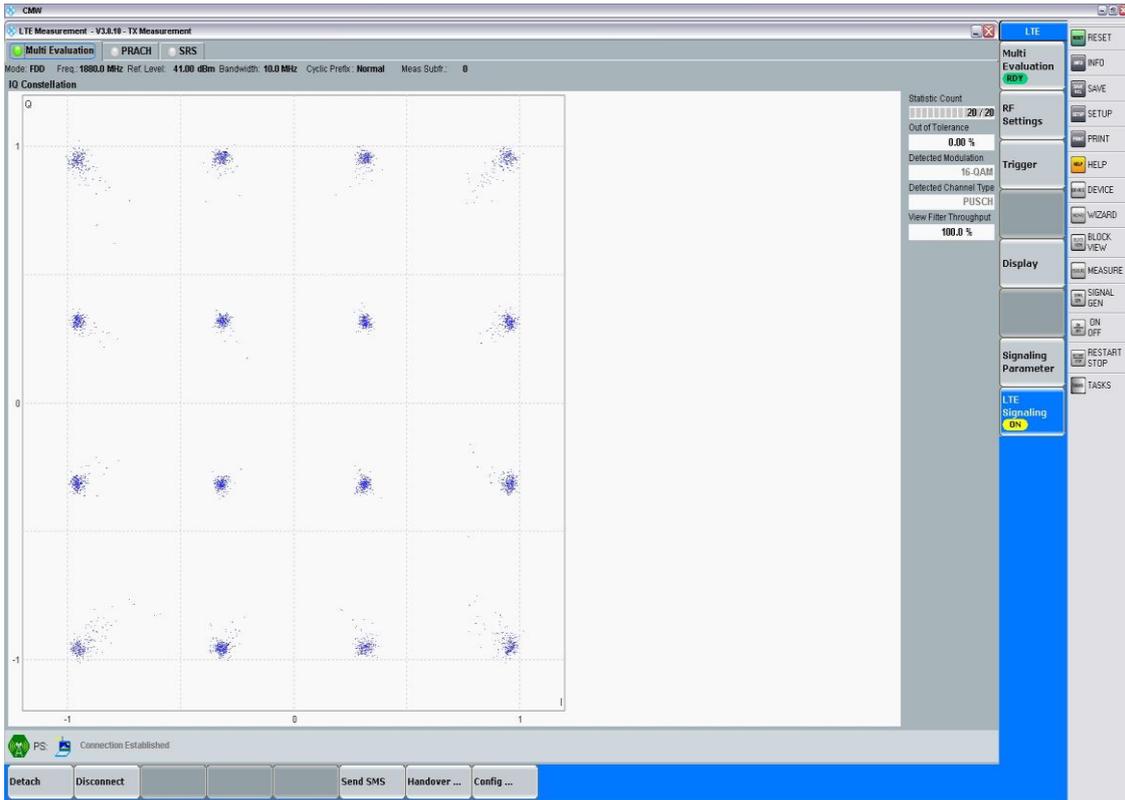
3.3.1.2.1.1.1 Test RB = RB25#0



3.3.1.2.2 Test Bandwidth = 10

3.3.1.2.2.1 Test Channel = MCH

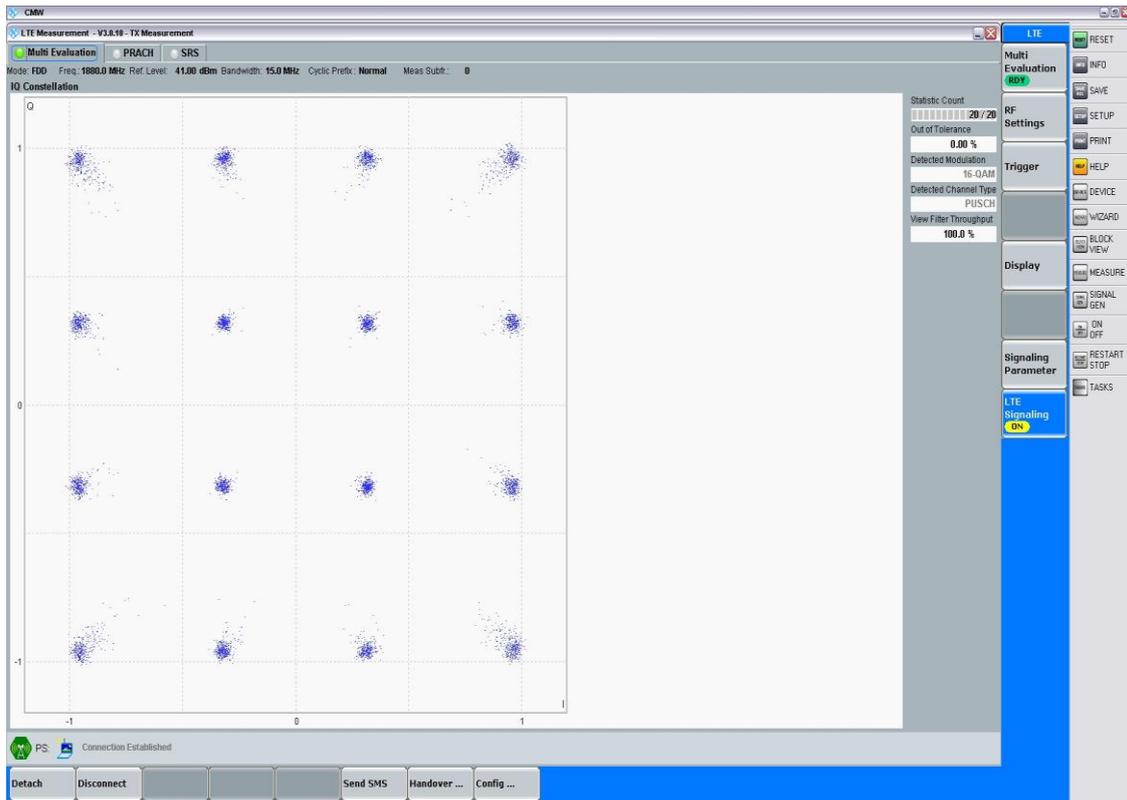
3.3.1.2.2.1.1 Test RB = RB50#0



3.3.1.2.3 Test Bandwidth = 15

3.3.1.2.3.1 Test Channel = MCH

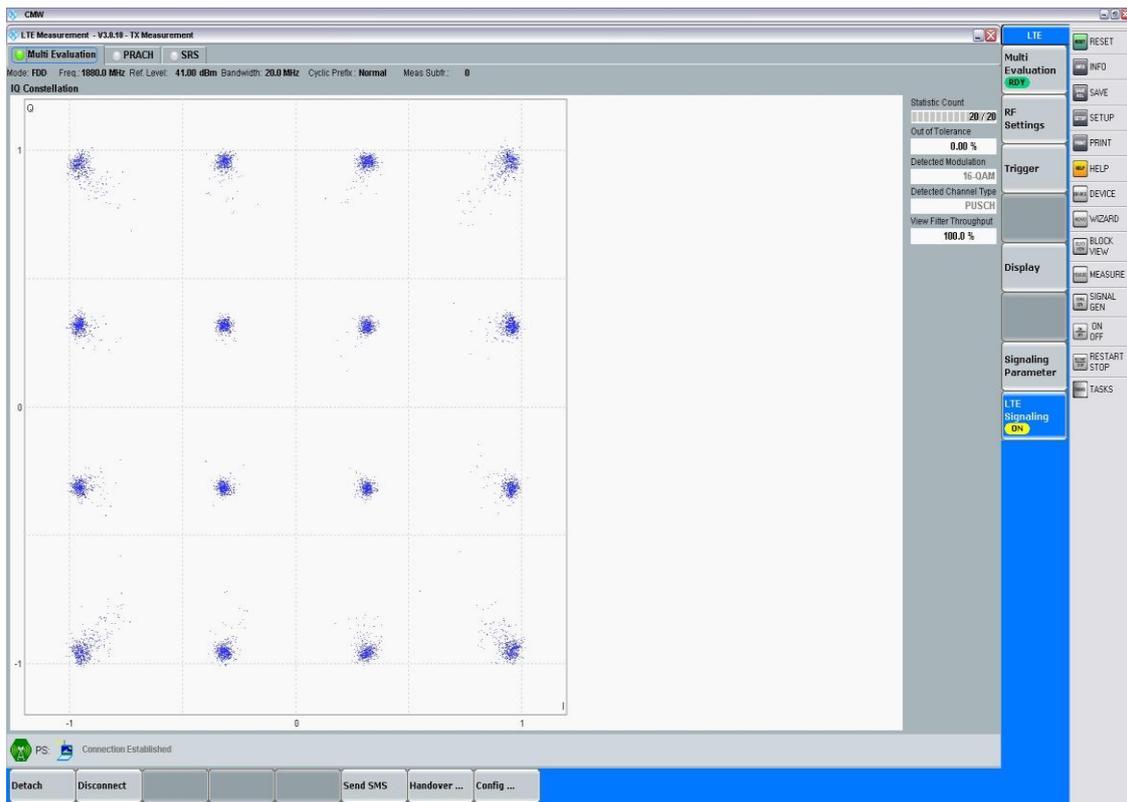
3.3.1.2.3.1.1 Test RB = RB75#0



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



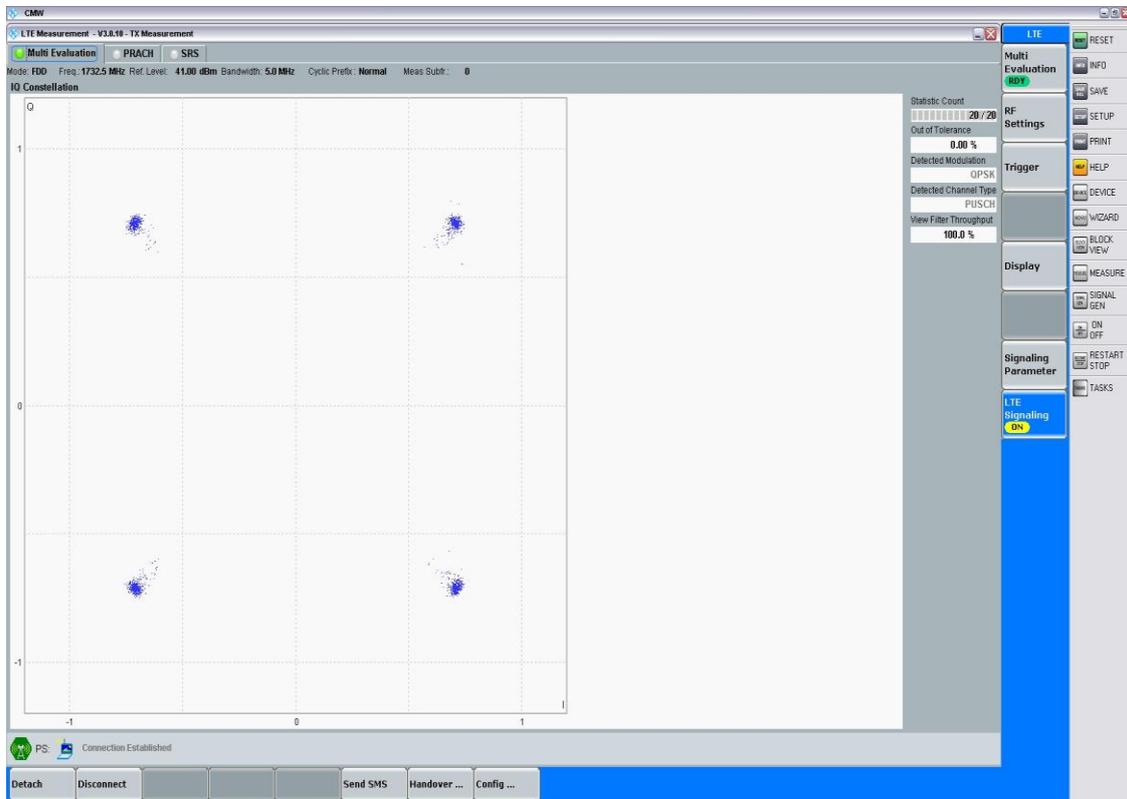
3.3.2 Test Band = BAND4

3.3.2.1 Test Mode = LTE/TM1

3.3.2.1.1 Test Bandwidth = 5

3.3.2.1.1.1 Test Channel = MCH

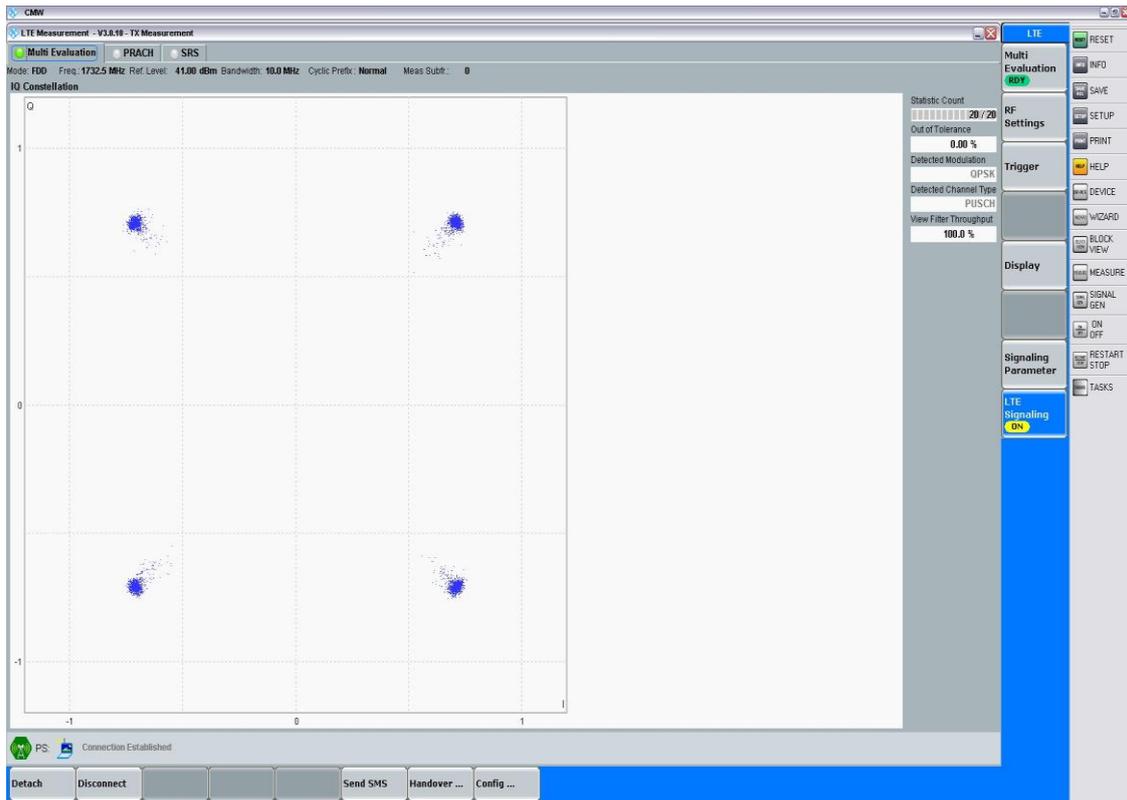
3.3.2.1.1.1.1 Test RB = RB25#0



3.3.2.1.2 Test Bandwidth = 10

3.3.2.1.2.1 Test Channel = MCH

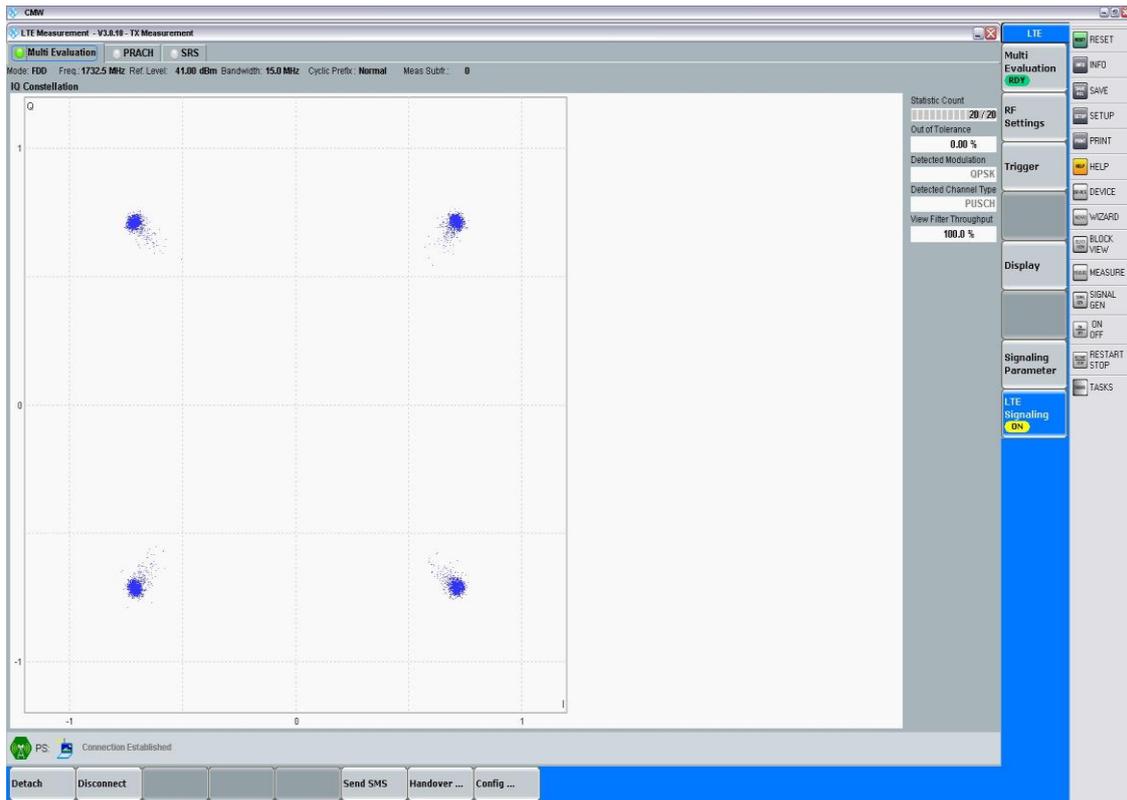
3.3.2.1.2.1.1 Test RB = RB50#0



3.3.2.1.3 Test Bandwidth = 15

3.3.2.1.3.1 Test Channel = MCH

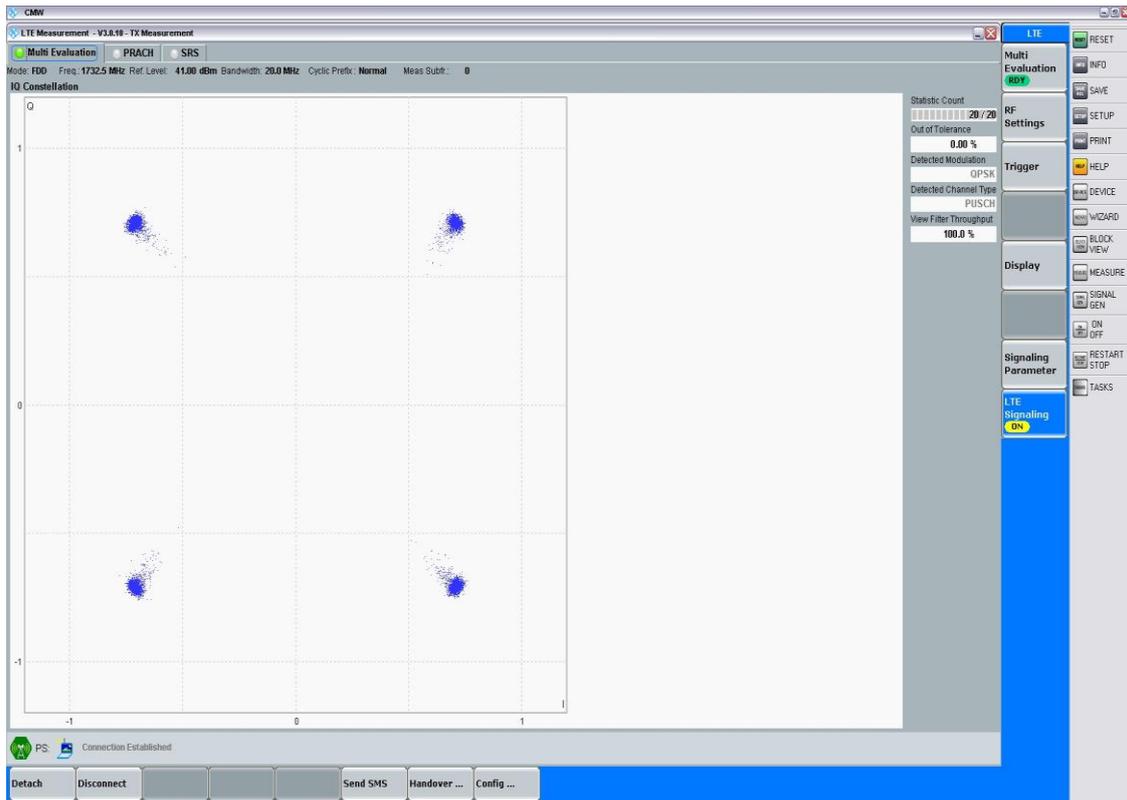
3.3.2.1.3.1.1 Test RB = RB75#0



3.3.2.1.4 Test Bandwidth = 20

3.3.2.1.4.1 Test Channel = MCH

3.3.2.1.4.1.1 Test RB = RB100#0

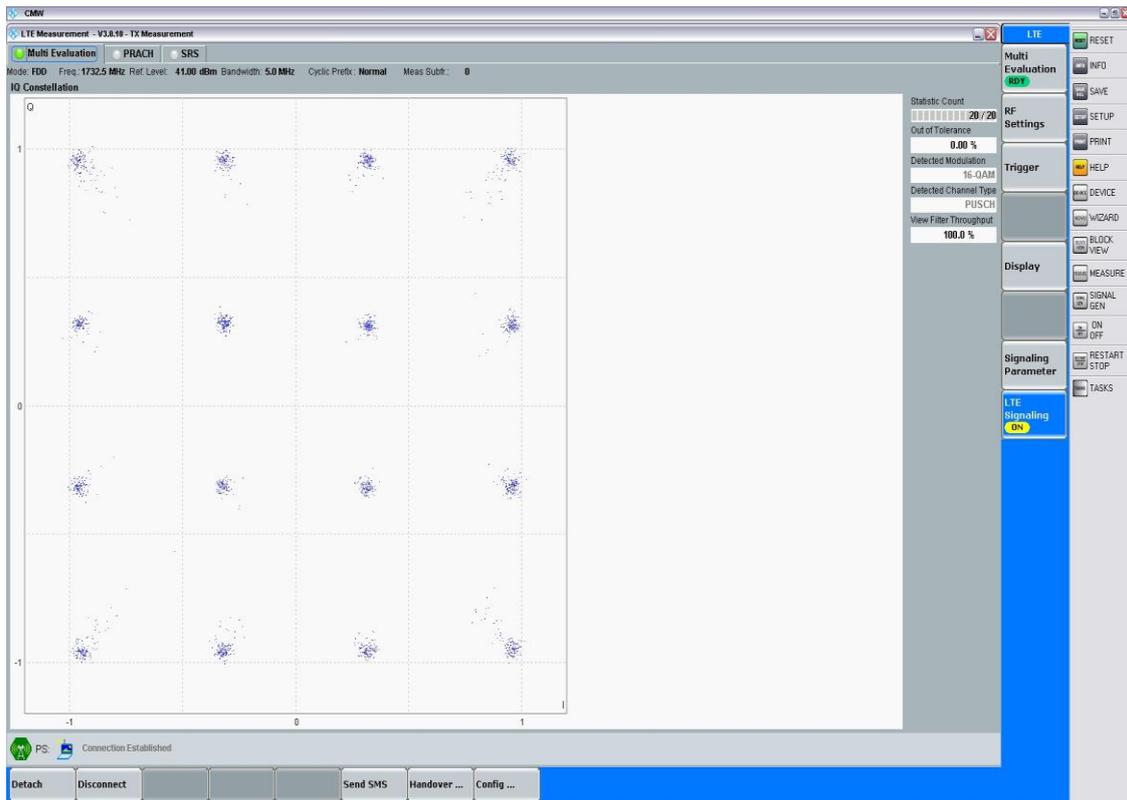


3.3.2.2 Test Mode = LTE/TM2

3.3.2.2.1 Test Bandwidth = 5

3.3.2.2.1.1 Test Channel = MCH

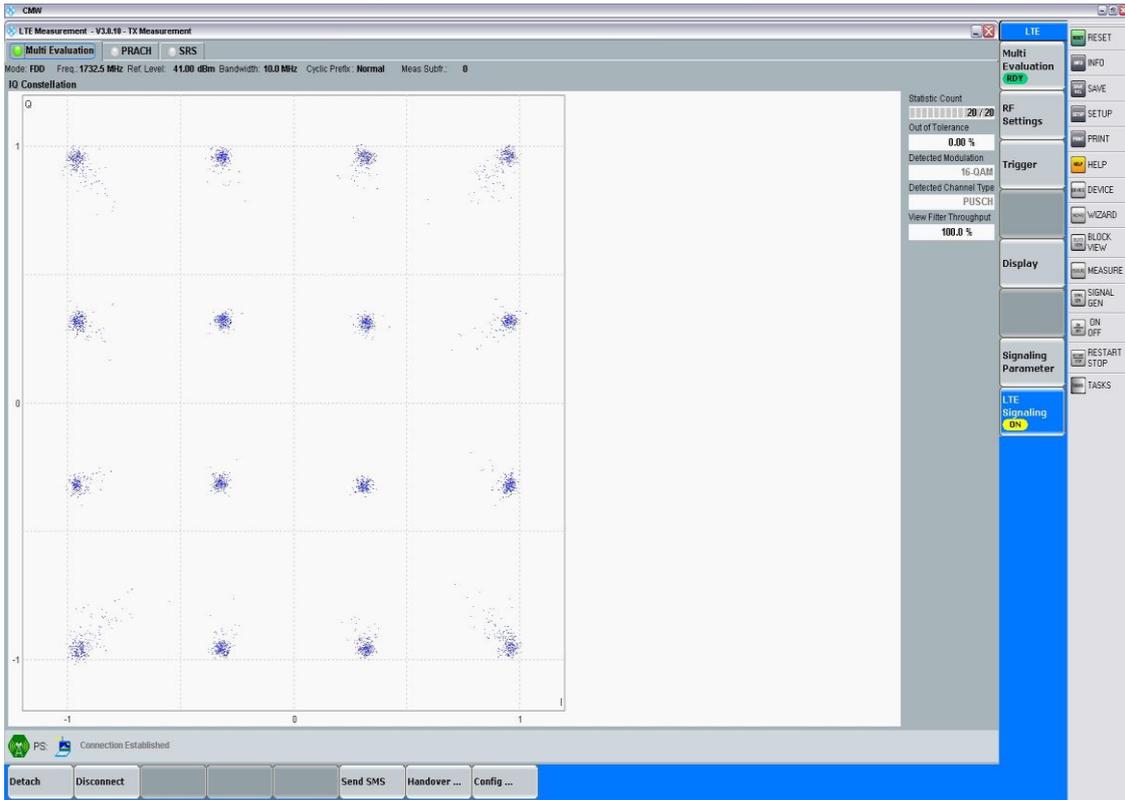
3.3.2.2.1.1.1 Test RB = RB25#0



3.3.2.2.2 Test Bandwidth = 10

3.3.2.2.2.1 Test Channel = MCH

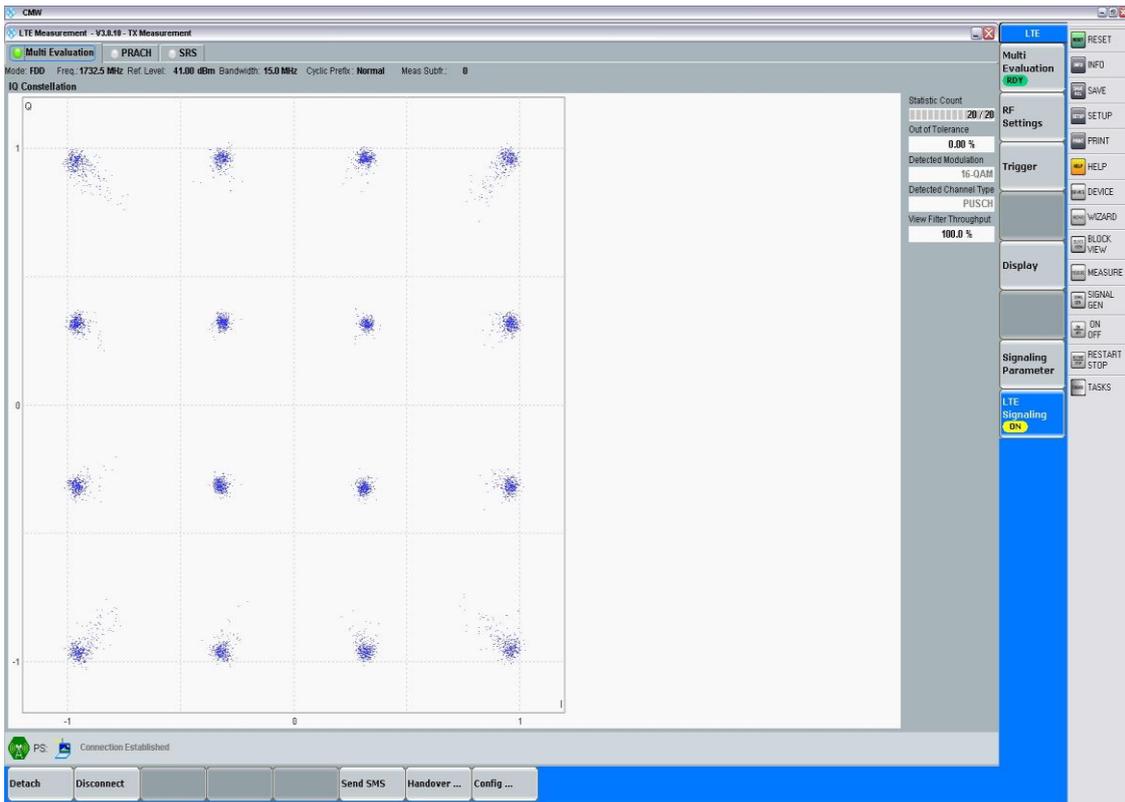
3.3.2.2.2.1.1 Test RB = RB50#0



3.3.2.2.3 Test Bandwidth = 15

3.3.2.2.3.1 Test Channel = MCH

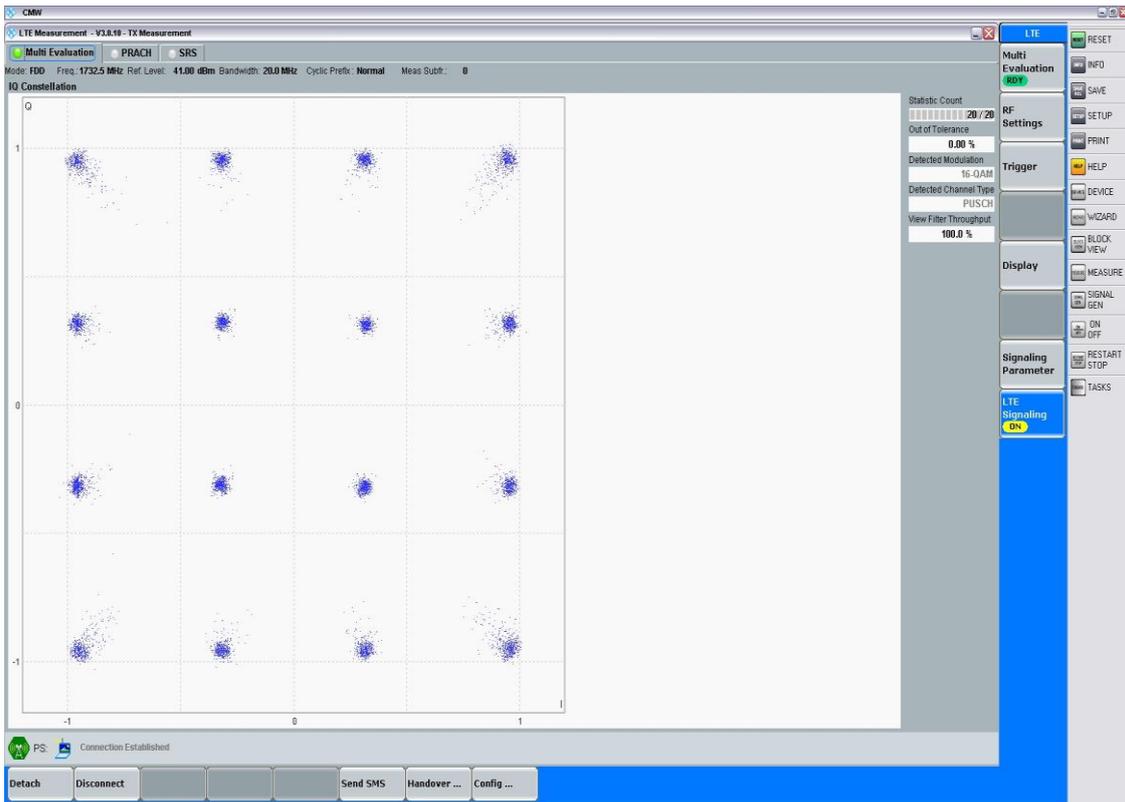
3.3.2.2.3.1.1 Test RB = RB75#0



3.3.2.2.4 Test Bandwidth = 20

3.3.2.2.4.1 Test Channel = MCH

3.3.2.2.4.1.1 Test RB = RB100#0



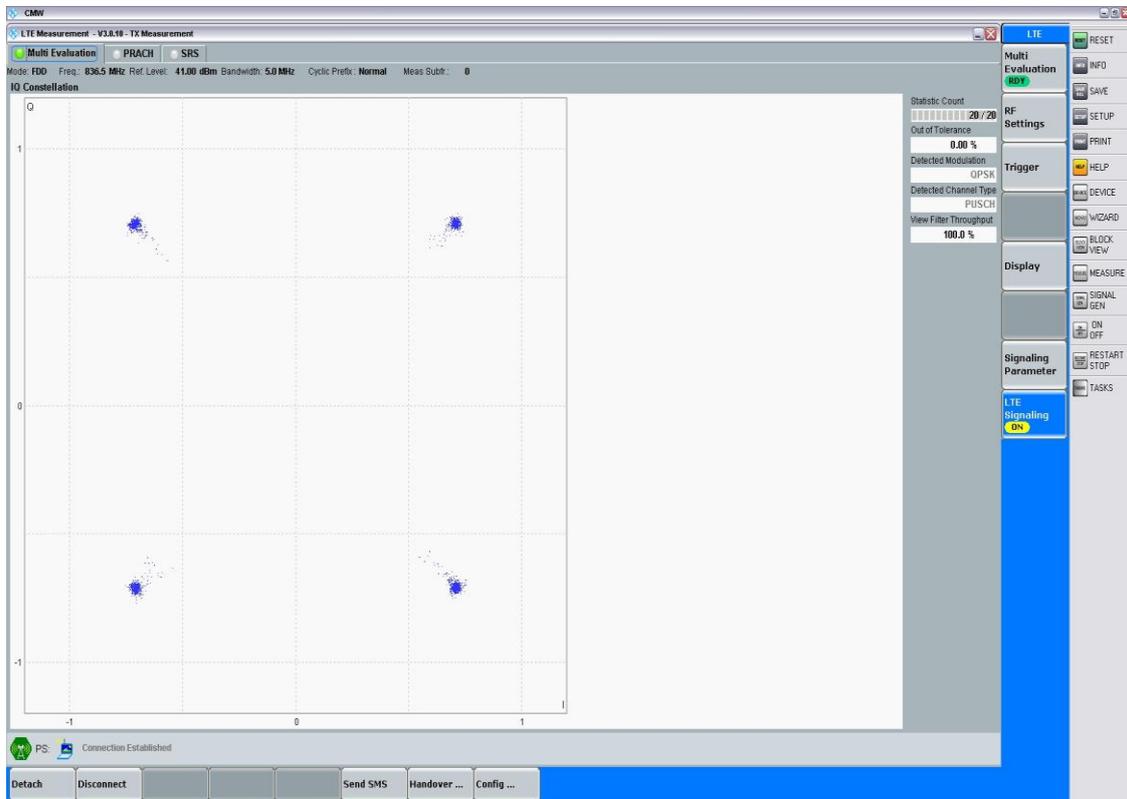
3.3.3 Test Band = BAND5

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

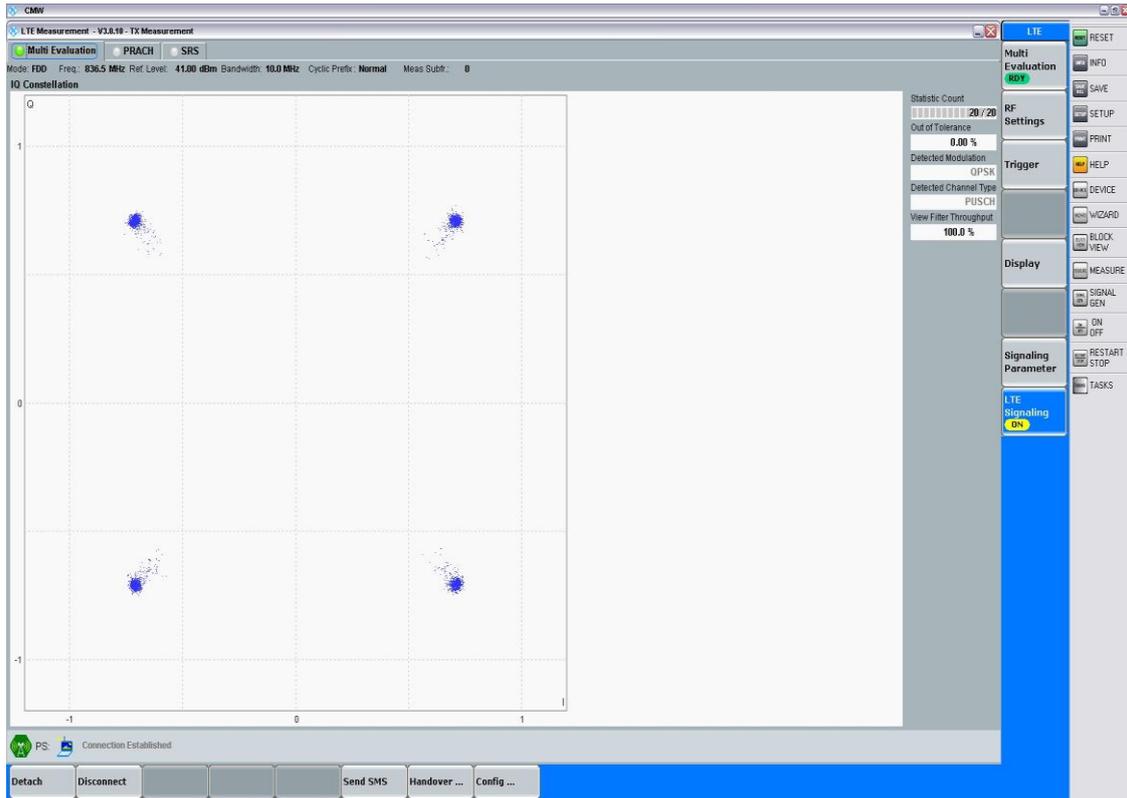
3.3.3.1.1.1.1 Test RB = RB25#0



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

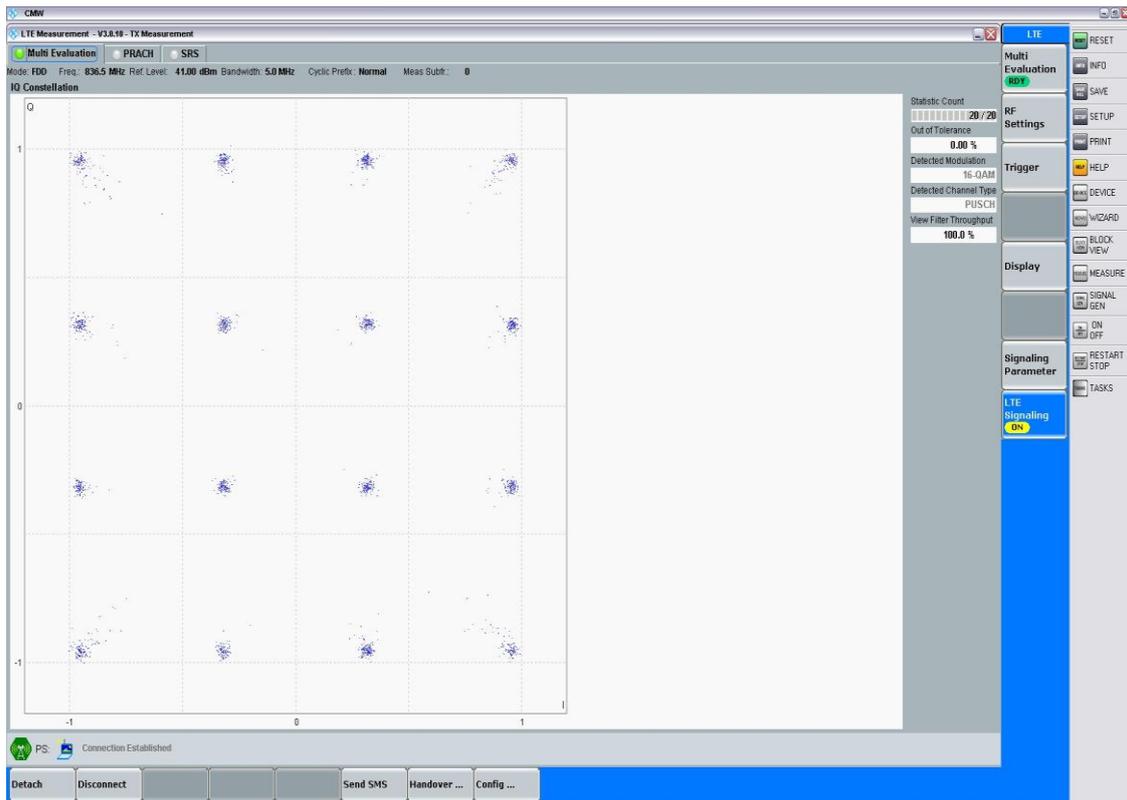


3.3.3.2 Test Mode = LTE/TM2

3.3.3.2.1 Test Bandwidth = 5

3.3.3.2.1.1 Test Channel = MCH

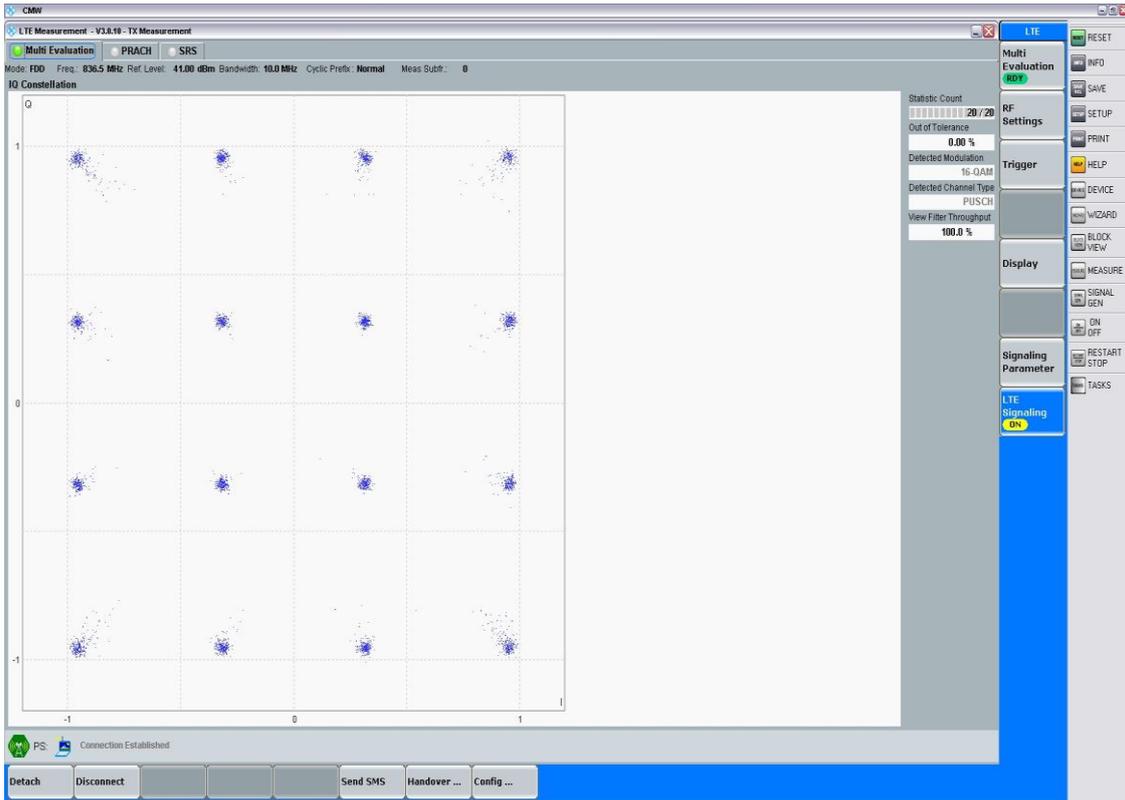
3.3.3.2.1.1.1 Test RB = RB25#0



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



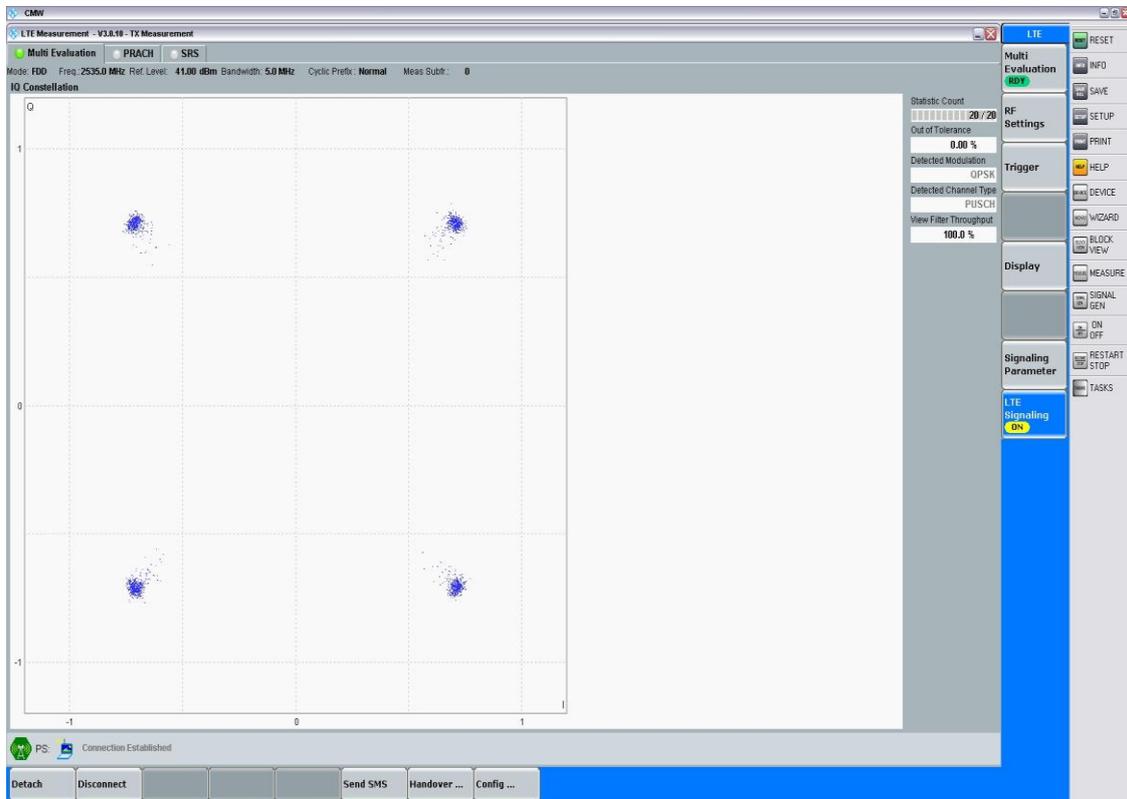
3.3.4 Test Band = BAND7

3.3.4.1 Test Mode = LTE/TM1

3.3.4.1.1 Test Bandwidth = 5

3.3.4.1.1.1 Test Channel = MCH

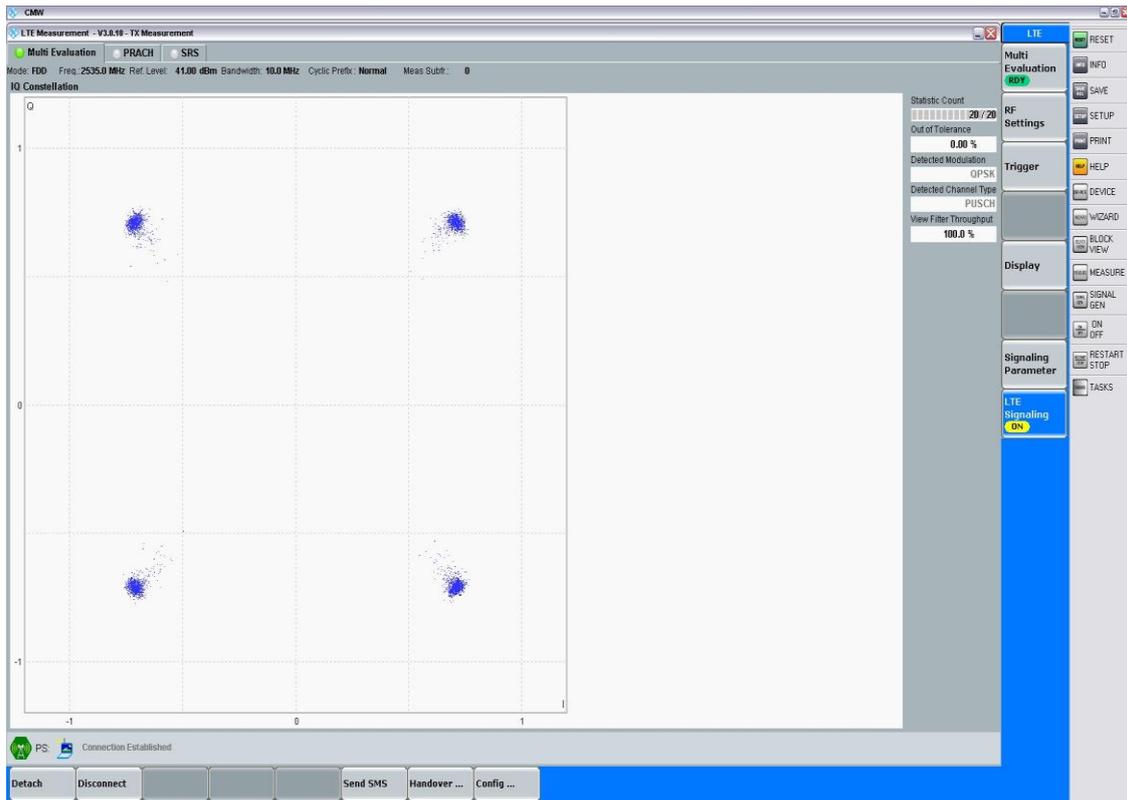
3.3.4.1.1.1.1 Test RB = RB25#0



3.3.4.1.2 Test Bandwidth = 10

3.3.4.1.2.1 Test Channel = MCH

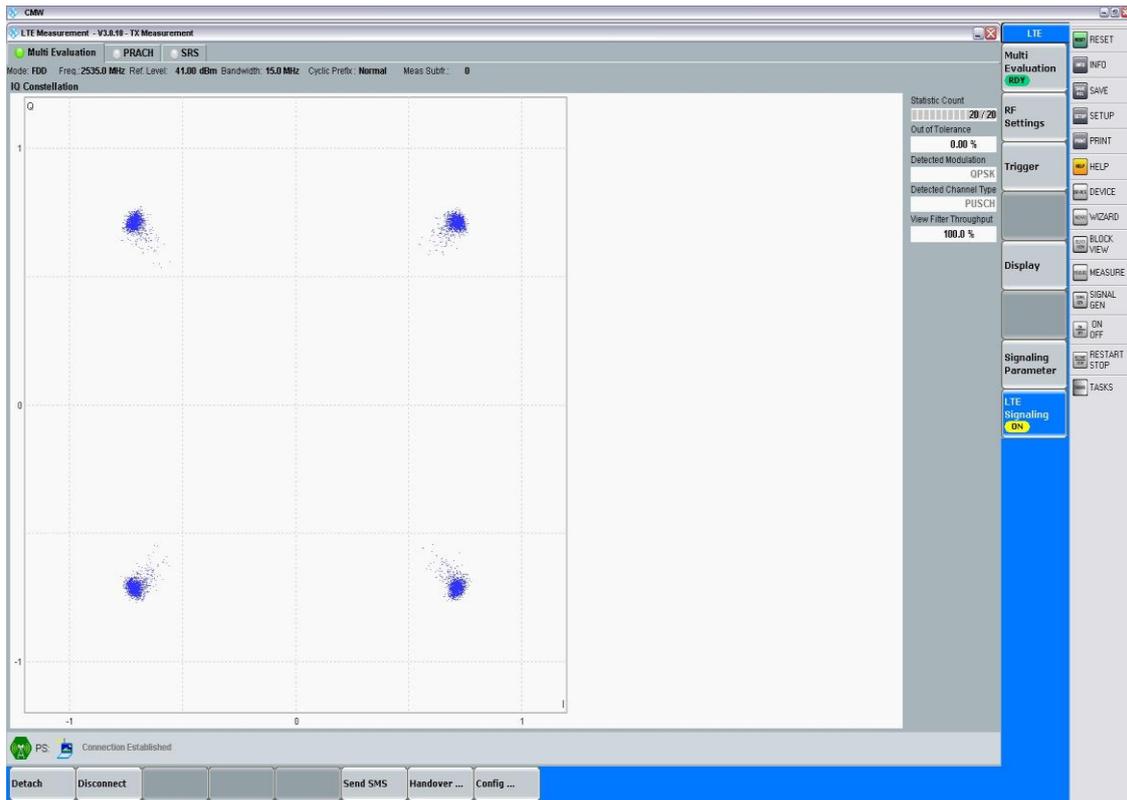
3.3.4.1.2.1.1 Test RB = RB50#0



3.3.4.1.3 Test Bandwidth = 15

3.3.4.1.3.1 Test Channel = MCH

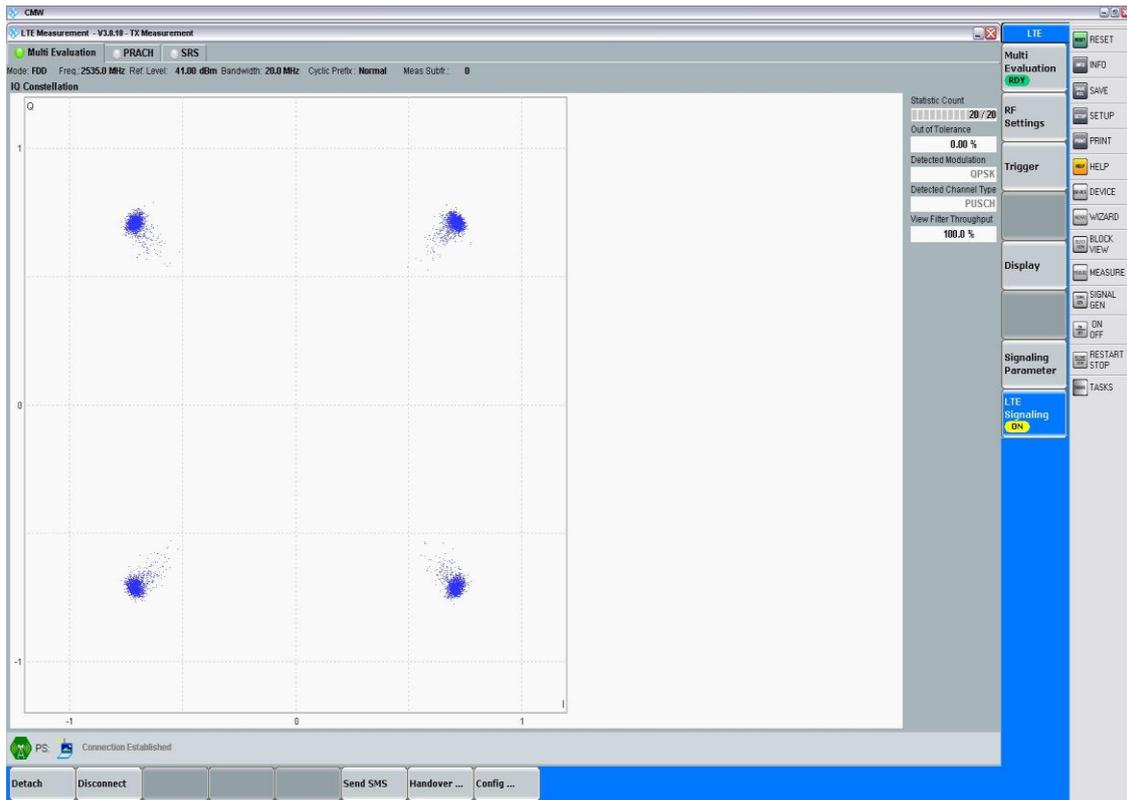
3.3.4.1.3.1.1 Test RB = RB75#0



3.3.4.1.4 Test Bandwidth = 20

3.3.4.1.4.1 Test Channel = MCH

3.3.4.1.4.1.1 Test RB = RB100#0

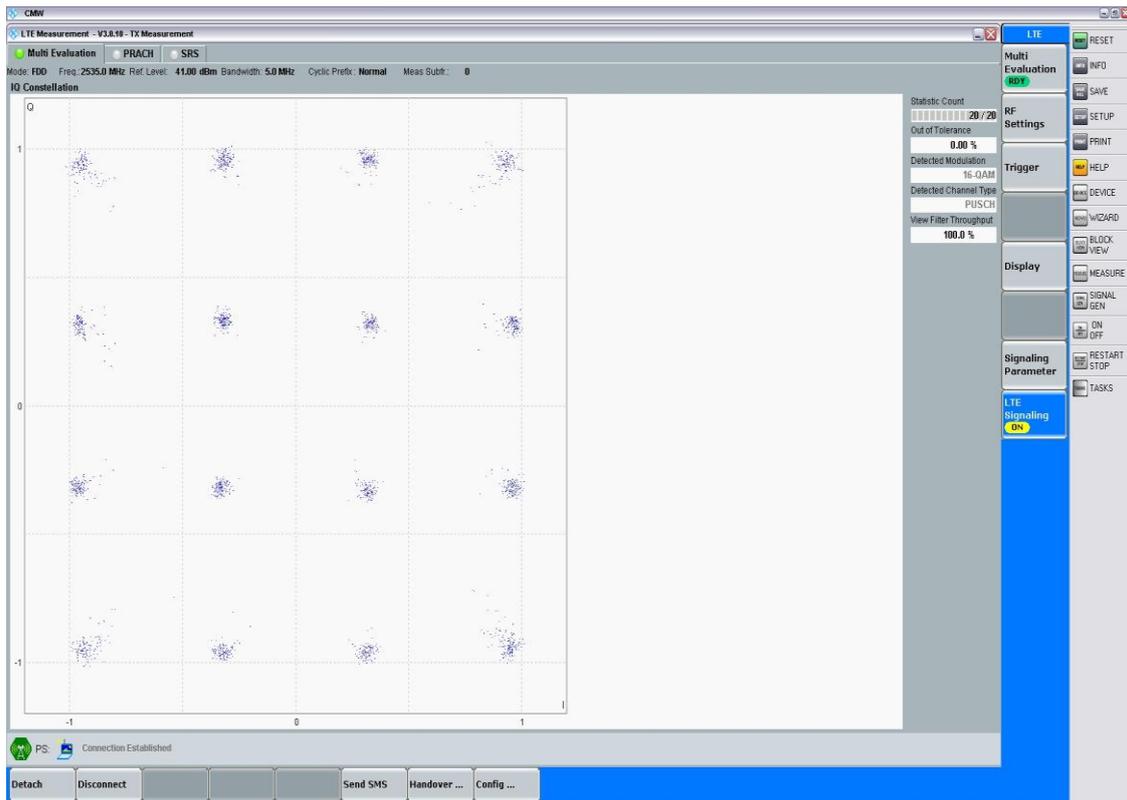


3.3.4.2 Test Mode = LTE/TM2

3.3.4.2.1 Test Bandwidth = 5

3.3.4.2.1.1 Test Channel = MCH

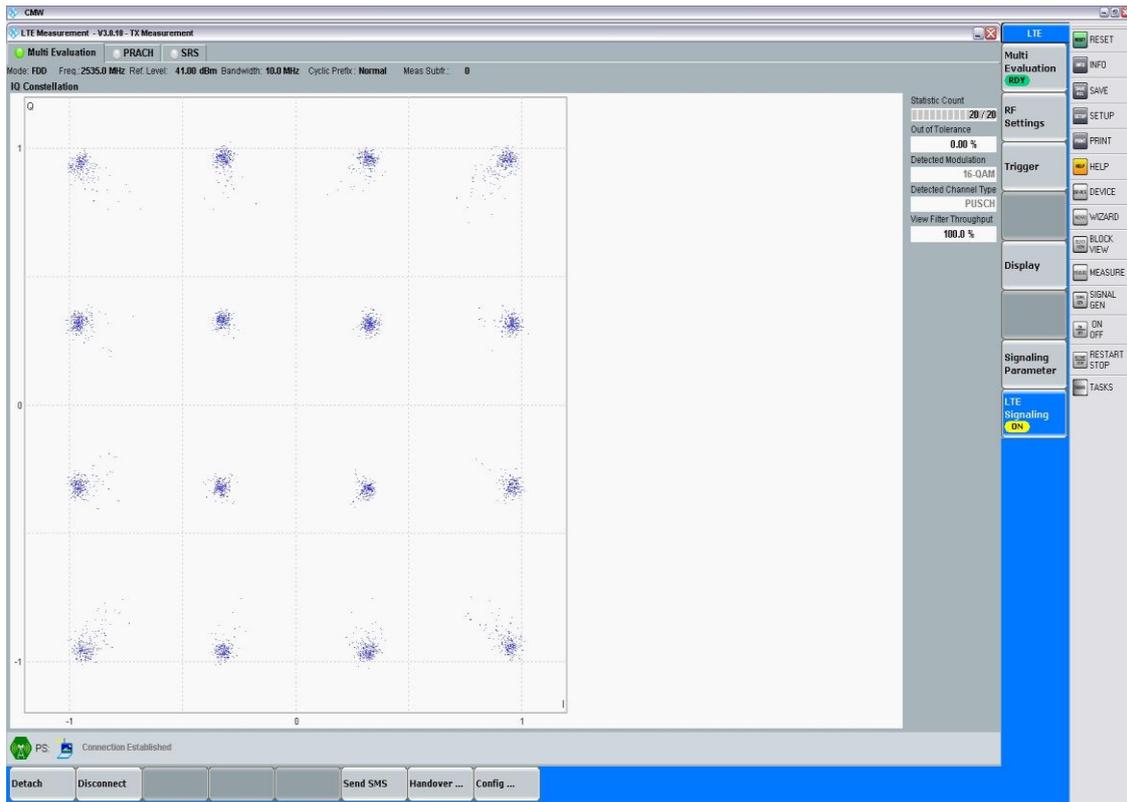
3.3.4.2.1.1.1 Test RB = RB25#0



3.3.4.2.2 Test Bandwidth = 10

3.3.4.2.2.1 Test Channel = MCH

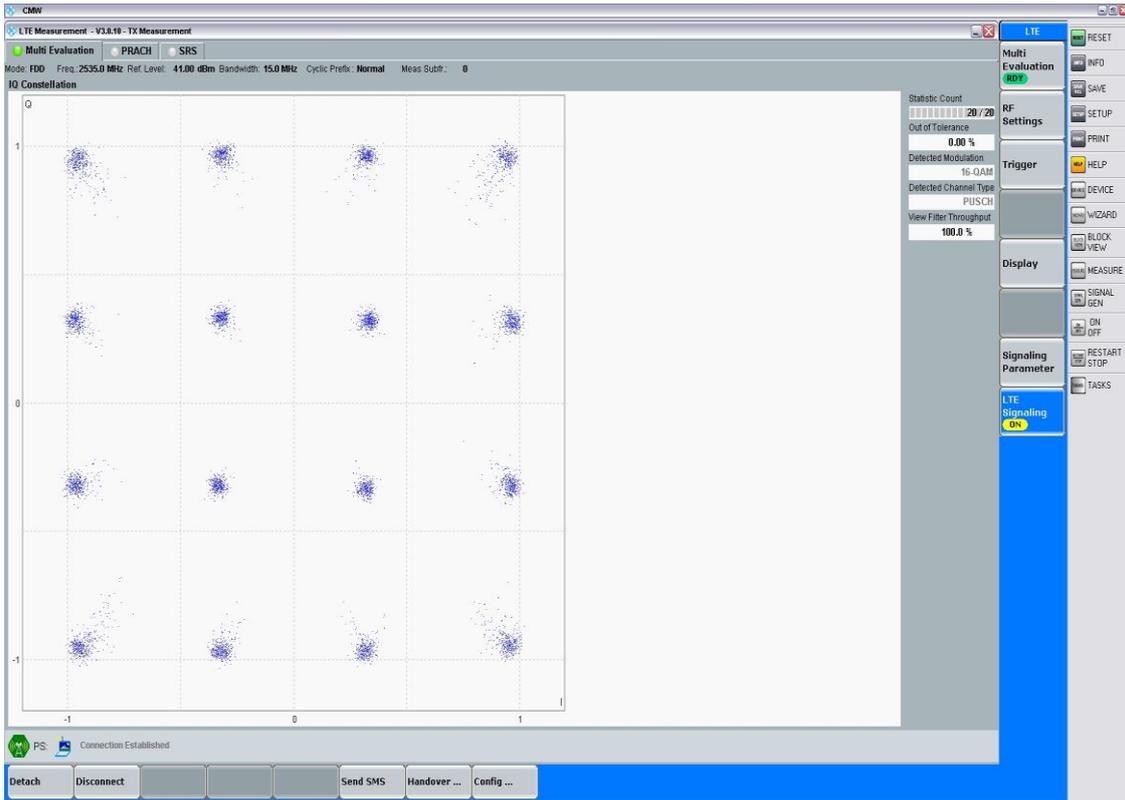
3.3.4.2.2.1.1 Test RB = RB50#0



3.3.4.2.3 Test Bandwidth = 15

3.3.4.2.3.1 Test Channel = MCH

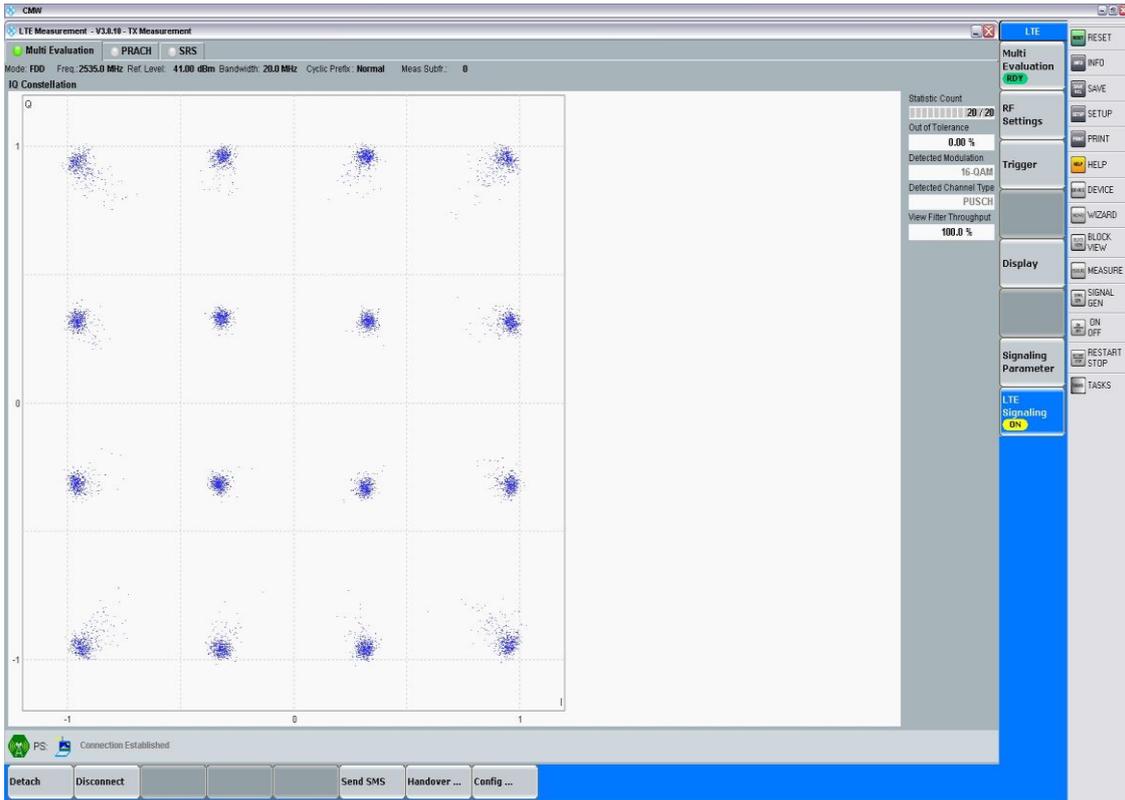
3.3.4.2.3.1.1 Test RB = RB75#0



3.3.4.2.4 Test Bandwidth = 20

3.3.4.2.4.1 Test Channel = MCH

3.3.4.2.4.1.1 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	246.67	317.81	Pass
		MCH	247.23	314.97	Pass
		HCH	246.91	320.22	Pass
	GSM/TM2	LCH	248.42	320.99	Pass
		MCH	248.33	320.73	Pass
		HCH	252.06	325.64	Pass
GSM1900	GSM/TM1	LCH	244.80	312.23	Pass
		MCH	248.65	320.43	Pass
		HCH	246.35	316.09	Pass
	GSM/TM2	LCH	246.95	315.15	Pass
		MCH	244.21	308.38	Pass
		HCH	247.40	316.51	Pass
Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
WCDMA850	UMTS/TM1	LCH	4.16	4.74	Pass
		MCH	4.16	4.73	Pass
		HCH	4.15	4.72	Pass
WCDMA1900	UMTS/TM1	LCH	4.15	4.74	Pass
		MCH	4.15	4.73	Pass
		HCH	4.15	4.74	Pass
WCDMA1700	UMTS/TM1	LCH	4.15	4.72	Pass
		MCH	4.15	4.74	Pass
		HCH	4.15	4.73	Pass



Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND2	LTE/TM1	5	LCH	RB25#0	4.50	4.87	Pass
			MCH	RB25#0	4.51	4.86	Pass
			HCH	RB25#0	4.50	4.90	Pass
		10	LCH	RB50#0	8.98	9.66	Pass
			MCH	RB50#0	8.99	9.69	Pass
			HCH	RB50#0	8.97	9.67	Pass
		15	LCH	RB75#0	13.47	14.48	Pass
			MCH	RB75#0	13.49	14.48	Pass
			HCH	RB75#0	13.47	14.50	Pass
		20	LCH	RB100#0	17.93	19.10	Pass
			MCH	RB100#0	17.99	19.18	Pass
			HCH	RB100#0	17.93	19.06	Pass
	LTE/TM2	5	LCH	RB25#0	4.50	4.89	Pass
			MCH	RB25#0	4.50	4.86	Pass
			HCH	RB25#0	4.50	4.90	Pass
		10	LCH	RB50#0	8.98	9.61	Pass
			MCH	RB50#0	8.98	9.61	Pass
			HCH	RB50#0	8.98	9.67	Pass
		15	LCH	RB75#0	13.47	14.57	Pass
			MCH	RB75#0	13.50	14.55	Pass
			HCH	RB75#0	13.47	14.48	Pass
		20	LCH	RB100#0	17.95	19.18	Pass
			MCH	RB100#0	17.99	19.31	Pass
			HCH	RB100#0	17.94	19.10	Pass
BAND4	LTE/TM1	5	LCH	RB25#0	4.50	4.87	Pass
			MCH	RB25#0	4.50	4.89	Pass
			HCH	RB25#0	4.50	4.85	Pass
		10	LCH	RB50#0	8.98	9.58	Pass
			MCH	RB50#0	8.97	9.61	Pass
			HCH	RB50#0	8.98	9.63	Pass
		15	LCH	RB75#0	13.48	14.36	Pass
			MCH	RB75#0	13.48	14.49	Pass
			HCH	RB75#0	13.48	14.44	Pass
		20	LCH	RB100#0	17.94	19.04	Pass
			MCH	RB100#0	17.94	19.13	Pass
			HCH	RB100#0	17.97	19.17	Pass
	LTE/TM2	5	LCH	RB25#0	4.50	4.89	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
			MCH	RB25#0	4.51	4.90	Pass
			HCH	RB25#0	4.49	4.87	Pass
			LCH	RB25#0	4.49	4.86	Pass
		10	LCH	RB50#0	8.97	9.61	Pass
			MCH	RB50#0	8.97	9.60	Pass
			HCH	RB50#0	8.98	9.59	Pass
		15	LCH	RB75#0	13.47	14.43	Pass
			MCH	RB75#0	13.46	14.50	Pass
			HCH	RB75#0	13.48	14.46	Pass
		20	LCH	RB100#0	17.93	19.04	Pass
			MCH	RB100#0	17.95	19.13	Pass
			HCH	RB100#0	17.97	19.17	Pass
BAND5	LTE/TM1	5	LCH	RB25#0	4.49	4.86	Pass
			MCH	RB25#0	4.50	4.87	Pass
			HCH	RB25#0	4.49	4.86	Pass
		10	LCH	RB50#0	8.96	9.59	Pass
			MCH	RB50#0	8.97	9.61	Pass
			HCH	RB50#0	8.96	9.62	Pass
	LTE/TM2	5	LCH	RB25#0	4.50	4.86	Pass
			MCH	RB25#0	4.50	4.89	Pass
			HCH	RB25#0	4.50	4.89	Pass
		10	LCH	RB50#0	8.97	9.56	Pass
			MCH	RB50#0	8.96	9.60	Pass
			HCH	RB50#0	8.97	9.59	Pass
BAND7	LTE/TM1	5	LCH	RB25#0	4.49	4.87	Pass
			MCH	RB25#0	4.50	4.88	Pass
			HCH	RB25#0	4.50	4.86	Pass
		10	LCH	RB50#0	8.98	9.60	Pass
			MCH	RB50#0	8.97	9.61	Pass
			HCH	RB50#0	8.98	9.61	Pass
		15	LCH	RB75#0	13.48	14.47	Pass
			MCH	RB75#0	13.48	14.51	Pass
			HCH	RB75#0	13.48	14.48	Pass
		20	LCH	RB100#0	17.96	19.14	Pass
			MCH	RB100#0	17.96	19.20	Pass
			HCH	RB100#0	17.97	19.12	Pass
	LTE/TM2	5	LCH	RB25#0	4.50	4.89	Pass
			MCH	RB25#0	4.51	4.89	Pass
			HCH	RB25#0	4.50	4.92	Pass
		10	LCH	RB50#0	8.97	9.59	Pass

Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
			MCH	RB50#0	8.97	9.65	Pass
			HCH	RB50#0	8.98	9.67	Pass
		15	LCH	RB75#0	13.48	14.58	Pass
			MCH	RB75#0	13.48	14.63	Pass
			HCH	RB75#0	13.49	14.48	Pass
		20	LCH	RB100#0	17.96	19.22	Pass
			MCH	RB100#0	17.96	19.27	Pass
			HCH	RB100#0	17.96	19.16	Pass

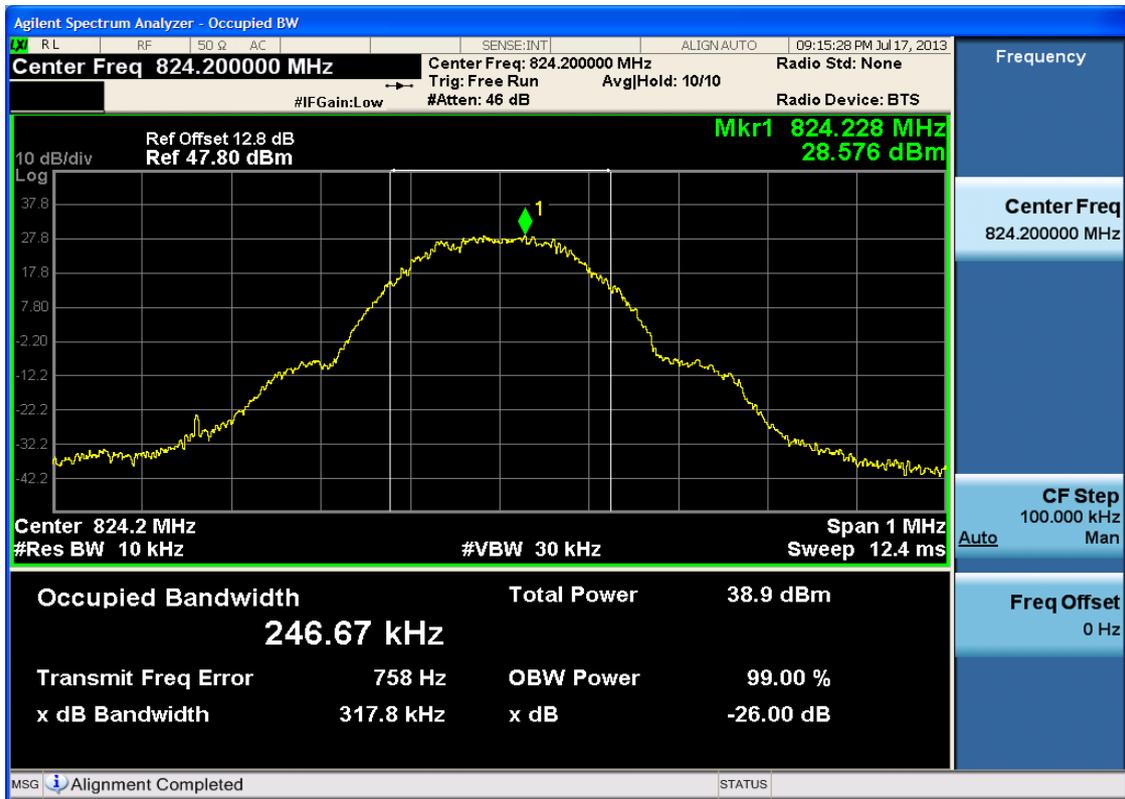
Part II - Test Plots

4.1 For GSM

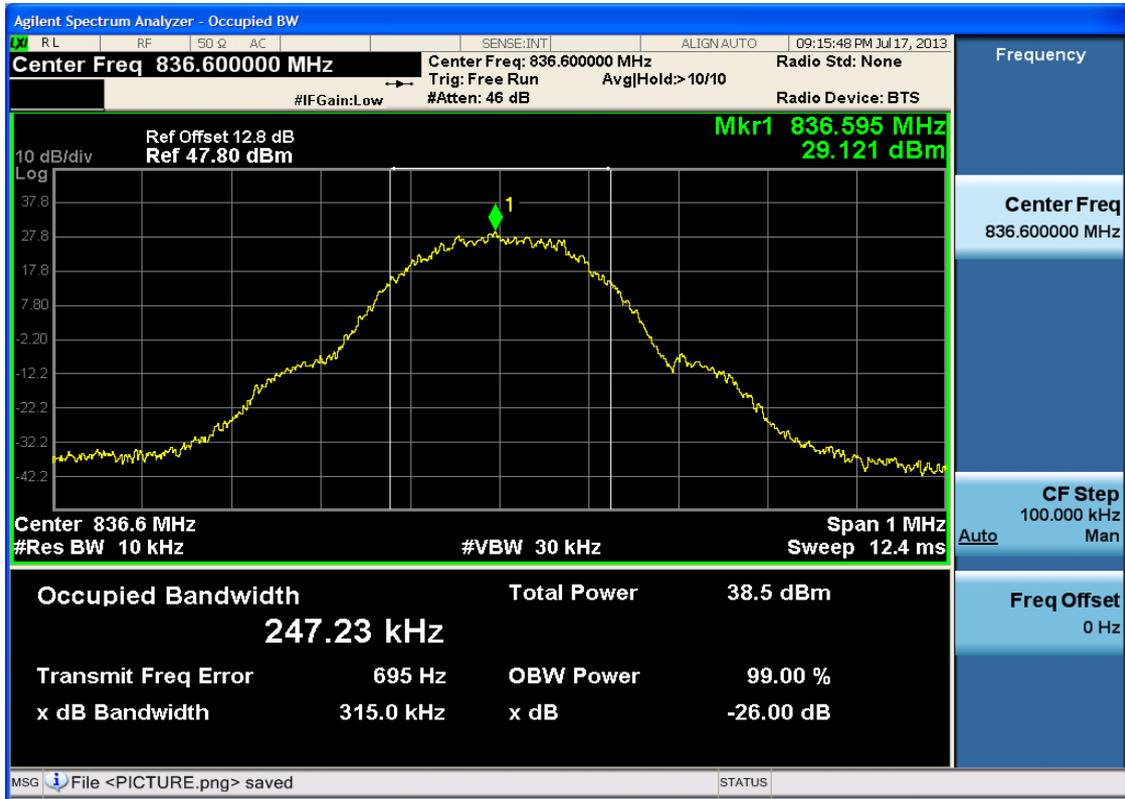
4.1.1 Test Band = GSM850

4.1.1.1 Test Mode = GSM/TM1

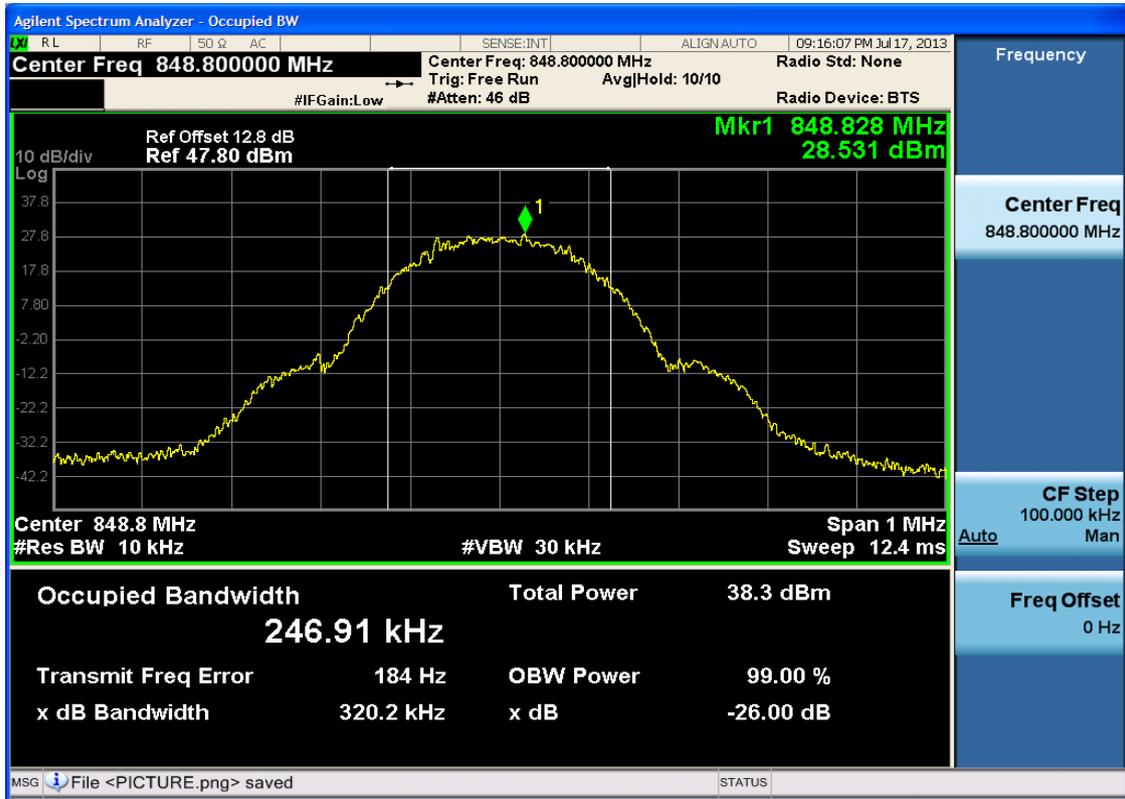
4.1.1.1.1 Test Channel = LCH



4.1.1.1.2 Test Channel = MCH



4.1.1.1.3 Test Channel = HCH



4.1.1.2 Test Mode = GSM/TM2

4.1.1.2.1 Test Channel = LCH



4.1.1.2.2 Test Channel = MCH

