



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	31.89	31.38	38.5	PASS
		MCH	31.94	31.43	38.5	PASS
		HCH	32.00	31.49	38.5	PASS
	GSM/TM2	LCH	25.52	25.01	38.5	PASS
		MCH	25.49	24.98	38.5	PASS
		HCH	25.46	24.95	38.5	PASS
WCDMA850	UMTS/TM1	LCH	22.07	21.56	38.5	PASS
		MCH	22.15	21.64	38.5	PASS
		HCH	22.35	21.84	38.5	PASS

Test Band	Test Mode	Test Channel	Conducted Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
GSM1900	GSM/TM1	LCH	28.56	30.61	33	PASS
		MCH	28.68	30.73	33	PASS
		HCH	28.81	30.86	33	PASS
	GSM/TM2	LCH	24.32	26.37	33	PASS
		MCH	24.23	26.28	33	PASS
		HCH	24.26	26.31	33	PASS
WCDMA1900	UMTS/TM1	LCH	21.90	23.95	33	PASS
		MCH	21.60	23.65	33	PASS
		HCH	21.84	23.89	33	PASS
WCDMA1700	UMTS/TM1	LCH	22.02	22.67	30	PASS
		MCH	21.65	22.3	30	PASS
		HCH	22.13	22.78	30	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
BAND2	LTE/TM 1	5	LCH	RB1#0	21.5	23.62	33	PASS
				RB1#13	21.94	24.06	33	PASS
				RB1#24	21.67	23.79	33	PASS
				RB12#0	21.78	23.9	33	PASS
				RB12#6	21.85	23.97	33	PASS
				RB12#13	21.86	23.98	33	PASS
			MCH	RB25#0	21.86	23.98	33	PASS
				RB1#0	21.38	23.5	33	PASS
				RB1#13	21.82	23.94	33	PASS
				RB1#24	21.53	23.65	33	PASS
				RB12#0	21.6	23.72	33	PASS
				RB12#6	21.64	23.76	33	PASS
			HCH	RB12#13	21.59	23.71	33	PASS
				RB25#0	21.75	23.87	33	PASS
				RB1#0	21.73	23.85	33	PASS
				RB1#13	21.86	23.98	33	PASS
				RB1#24	21.22	23.34	33	PASS
				RB12#0	21.8	23.92	33	PASS
		10	LCH	RB12#6	21.84	23.96	33	PASS
				RB12#13	21.58	23.7	33	PASS
				RB25#0	21.8	23.92	33	PASS
				RB1#0	21.69	23.81	33	PASS
				RB1#25	21.99	24.11	33	PASS
				RB1#49	21.91	24.03	33	PASS
			MCH	RB25#0	21.61	23.73	33	PASS
				RB25#13	21.87	23.99	33	PASS
				RB25#25	21.77	23.89	33	PASS
				RB50#0	21.59	23.71	33	PASS
				RB1#0	21.56	23.68	33	PASS
				RB1#25	21.87	23.99	33	PASS
HCH	RB1#49	21.86	23.98	33	PASS			
	RB25#0	21.4	23.52	33	PASS			
	RB25#13	21.75	23.87	33	PASS			
	RB25#25	21.59	23.71	33	PASS			
			RB50#0	21.53	23.65	33	PASS	
			RB1#0	21.96	24.08	33	PASS	
			RB1#25	22.25	24.37	33	PASS	



				RB1#49	21.51	23.63	33	PASS
				RB25#0	21.85	23.97	33	PASS
				RB25#13	21.95	24.07	33	PASS
				RB25#25	21.6	23.72	33	PASS
				RB50#0	21.64	23.76	33	PASS
		15	LCH	RB1#0	21.77	23.89	33	PASS
				RB1#38	22.23	24.35	33	PASS
				RB1#74	21.98	24.1	33	PASS
				RB36#0	21.77	23.89	33	PASS
				RB36#18	21.8	23.92	33	PASS
				RB36#39	21.81	23.93	33	PASS
				RB75#0	21.88	24	33	PASS
			MCH	RB1#0	21.55	23.67	33	PASS
				RB1#38	21.87	23.99	33	PASS
				RB1#74	21.85	23.97	33	PASS
				RB36#0	21.49	23.61	33	PASS
				RB36#18	21.71	23.83	33	PASS
				RB36#39	21.79	23.91	33	PASS
			HCH	RB1#0	21.82	23.94	33	PASS
				RB1#38	22.2	24.32	33	PASS
		RB1#74		21.49	23.61	33	PASS	
		RB36#0		22.09	24.21	33	PASS	
		RB36#18		22.11	24.23	33	PASS	
		RB36#39		21.86	23.98	33	PASS	
		20	LCH	RB1#0	21.77	23.89	33	PASS
				RB1#50	22.2	24.32	33	PASS
				RB1#99	22.07	24.19	33	PASS
				RB50#0	21.86	23.98	33	PASS
				RB50#25	21.85	23.97	33	PASS
				RB50#50	21.84	23.96	33	PASS
				RB100#0	21.84	23.96	33	PASS
			MCH	RB1#0	21.71	23.83	33	PASS
				RB1#50	21.9	24.02	33	PASS
RB1#99	21.75			23.87	33	PASS		
RB50#0	21.55			23.67	33	PASS		
RB50#25	21.7			23.82	33	PASS		
RB50#50	21.58			23.7	33	PASS		
HCH	RB1#0	21.73	23.85	33	PASS			
HCH	RB1#0	21.78	23.9	33	PASS			



				RB1#50	22.28	24.4	33	PASS	
				RB1#99	21.38	23.5	33	PASS	
				RB50#0	21.9	24.02	33	PASS	
				RB50#25	22.02	24.14	33	PASS	
				RB50#50	21.72	23.84	33	PASS	
				RB100#0	21.86	23.98	33	PASS	
	LTE/TM 2	5	LCH	RB1#0	21.57	23.69	33	PASS	
				RB1#13	21.99	24.11	33	PASS	
				RB1#24	21.73	23.85	33	PASS	
				RB12#0	20.95	23.07	33	PASS	
				RB12#6	21.05	23.17	33	PASS	
				RB12#13	20.85	22.97	33	PASS	
				RB25#0	20.88	23	33	PASS	
				MCH	RB1#0	21.32	23.44	33	PASS
					RB1#13	21.79	23.91	33	PASS
					RB1#24	21.54	23.66	33	PASS
					RB12#0	20.51	22.63	33	PASS
					RB12#6	20.58	22.7	33	PASS
		RB12#13	20.57		22.69	33	PASS		
		HCH	RB25#0	20.57	22.69	33	PASS		
			RB1#0	21.52	23.64	33	PASS		
			RB1#13	21.56	23.68	33	PASS		
			RB1#24	21.06	23.18	33	PASS		
			RB12#0	20.66	22.78	33	PASS		
			RB12#6	20.72	22.84	33	PASS		
		10	LCH	RB12#13	20.31	22.43	33	PASS	
				RB25#0	20.51	22.63	33	PASS	
				RB1#0	21.69	23.81	33	PASS	
				RB1#25	22.07	24.19	33	PASS	
				RB1#49	21.88	24	33	PASS	
RB25#0	20.64			22.76	33	PASS			
MCH	RB25#13		20.84	22.96	33	PASS			
	RB25#25		20.72	22.84	33	PASS			
	RB50#0		20.58	22.7	33	PASS			
	RB1#0		21.57	23.69	33	PASS			
	RB1#25		21.93	24.05	33	PASS			
	RB1#49		21.71	23.83	33	PASS			
			RB25#0	20.27	22.39	33	PASS		
			RB25#13	20.64	22.76	33	PASS		
			RB25#25	20.56	22.68	33	PASS		
			RB50#0	20.42	22.54	33	PASS		



		15	HCH	RB1#0	22.04	24.16	33	PASS
				RB1#25	21.91	24.03	33	PASS
				RB1#49	21.37	23.49	33	PASS
				RB25#0	20.86	22.98	33	PASS
				RB25#13	20.91	23.03	33	PASS
				RB25#25	20.45	22.57	33	PASS
				RB50#0	20.61	22.73	33	PASS
			LCH	RB1#0	21.88	24	33	PASS
				RB1#38	22.36	24.48	33	PASS
				RB1#74	22.11	24.23	33	PASS
				RB36#0	20.86	22.98	33	PASS
				RB36#18	20.87	22.99	33	PASS
				RB36#39	20.75	22.87	33	PASS
				RB75#0	20.84	22.96	33	PASS
		MCH	RB1#0	21.59	23.71	33	PASS	
			RB1#38	21.96	24.08	33	PASS	
			RB1#74	21.81	23.93	33	PASS	
			RB36#0	20.44	22.56	33	PASS	
			RB36#18	20.66	22.78	33	PASS	
			RB36#39	20.57	22.69	33	PASS	
			RB75#0	20.55	22.67	33	PASS	
		HCH	RB1#0	21.83	23.95	33	PASS	
			RB1#38	22.18	24.3	33	PASS	
			RB1#74	21.45	23.57	33	PASS	
			RB36#0	21.03	23.15	33	PASS	
			RB36#18	21.06	23.18	33	PASS	
			RB36#39	20.76	22.88	33	PASS	
			RB75#0	20.81	22.93	33	PASS	
		20	LCH	RB1#0	21.97	24.09	33	PASS
				RB1#50	22.28	24.4	33	PASS
RB1#99	22.12			24.24	33	PASS		
RB50#0	20.8			22.92	33	PASS		
RB50#25	20.79			22.91	33	PASS		
RB50#50	20.78			22.9	33	PASS		
RB100#0	20.78			22.9	33	PASS		
MCH	RB1#0		21.78	23.9	33	PASS		
	RB1#50		21.97	24.09	33	PASS		
	RB1#99		21.86	23.98	33	PASS		
	RB50#0		20.49	22.61	33	PASS		
	RB50#25		20.67	22.79	33	PASS		
			RB50#50	20.63	22.75	33	PASS	



				RB100#0	20.56	22.68	33	PASS
			HCH	RB1#0	22.04	24.16	33	PASS
				RB1#50	22.43	24.55	33	PASS
				RB1#99	21.63	23.75	33	PASS
				RB50#0	20.99	23.11	33	PASS
				RB50#25	21.13	23.25	33	PASS
				RB50#50	20.8	22.92	33	PASS
				RB100#0	20.97	23.09	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
BAND4	LTE/TM 1	5	LCH	RB1#0	21.99	22.9	30	PASS
				RB1#13	22.45	23.36	30	PASS
				RB1#24	22.13	23.04	30	PASS
				RB12#0	22.24	23.15	30	PASS
				RB12#6	22.4	23.31	30	PASS
				RB12#13	22.37	23.28	30	PASS
				RB25#0	22.16	23.07	30	PASS
			MCH	RB1#0	21.72	22.63	30	PASS
				RB1#13	21.9	22.81	30	PASS
				RB1#24	21.6	22.51	30	PASS
				RB12#0	21.75	22.66	30	PASS
				RB12#6	21.87	22.78	30	PASS
				RB12#13	21.77	22.68	30	PASS
				RB25#0	21.75	22.66	30	PASS
		HCH	RB1#0	21.78	22.69	30	PASS	
			RB1#13	21.98	22.89	30	PASS	
			RB1#24	21.6	22.51	30	PASS	
			RB12#0	21.79	22.7	30	PASS	
			RB12#6	21.9	22.81	30	PASS	
			RB12#13	21.77	22.68	30	PASS	
			RB25#0	21.77	22.68	30	PASS	
		10	LCH	RB1#0	22.03	22.94	30	PASS
				RB1#25	22.56	23.47	30	PASS
				RB1#49	22.36	23.27	30	PASS
				RB25#0	22.01	22.92	30	PASS
				RB25#13	22.23	23.14	30	PASS
				RB25#25	22.09	23	30	PASS
				RB50#0	22.1	23.01	30	PASS
MCH	RB1#0		22.1	23.01	30	PASS		



				RB1#25	21.99	22.9	30	PASS
				RB1#49	21.88	22.79	30	PASS
				RB25#0	21.61	22.52	30	PASS
				RB25#13	21.81	22.72	30	PASS
				RB25#25	21.5	22.41	30	PASS
				RB50#0	21.61	22.52	30	PASS
			HCH	RB1#0	21.9	22.81	30	PASS
				RB1#25	22.04	22.95	30	PASS
				RB1#49	21.86	22.77	30	PASS
				RB25#0	21.62	22.53	30	PASS
				RB25#13	21.72	22.63	30	PASS
				RB25#25	21.5	22.41	30	PASS
		15	LCH	RB1#0	21.73	22.64	30	PASS
				RB1#38	22.23	23.14	30	PASS
				RB1#74	22.14	23.05	30	PASS
				RB36#0	22.02	22.93	30	PASS
				RB36#18	22.04	22.95	30	PASS
				RB36#39	21.95	22.86	30	PASS
			RB75#0	22.09	23	30	PASS	
			MCH	RB1#0	22.03	22.94	30	PASS
				RB1#38	21.95	22.86	30	PASS
				RB1#74	21.7	22.61	30	PASS
				RB36#0	21.71	22.62	30	PASS
				RB36#18	21.81	22.72	30	PASS
		RB36#39		21.61	22.52	30	PASS	
		HCH	RB1#0	21.47	22.38	30	PASS	
			RB1#38	22.01	22.92	30	PASS	
			RB1#74	21.7	22.61	30	PASS	
			RB36#0	21.7	22.61	30	PASS	
			RB36#18	21.83	22.74	30	PASS	
			RB36#39	21.63	22.54	30	PASS	
		20	LCH	RB75#0	21.65	22.56	30	PASS
				RB1#0	22.05	22.96	30	PASS
				RB1#50	22.55	23.46	30	PASS
				RB1#99	22.28	23.19	30	PASS
				RB50#0	22.21	23.12	30	PASS
RB50#25	22.36			23.27	30	PASS		
RB50#50	22.16			23.07	30	PASS		
RB100#0	22.24	23.15	30	PASS				



			MCH	RB1#0	22.05	22.96	30	PASS
				RB1#50	21.95	22.86	30	PASS
				RB1#99	21.69	22.6	30	PASS
				RB50#0	21.79	22.7	30	PASS
				RB50#25	21.77	22.68	30	PASS
				RB50#50	21.59	22.5	30	PASS
				RB100#0	21.7	22.61	30	PASS
			HCH	RB1#0	21.6	22.51	30	PASS
				RB1#50	22.01	22.92	30	PASS
				RB1#99	22.09	23	30	PASS
				RB50#0	21.66	22.57	30	PASS
				RB50#25	21.88	22.79	30	PASS
				RB50#50	21.72	22.63	30	PASS
				RB100#0	21.7	22.61	30	PASS
	LTE/TM 2	5	LCH	RB1#0	21.92	22.83	30	PASS
				RB1#13	22.39	23.3	30	PASS
				RB1#24	22.08	22.99	30	PASS
				RB12#0	21.08	21.99	30	PASS
				RB12#6	21.26	22.17	30	PASS
				RB12#13	21.24	22.15	30	PASS
				RB25#0	21	21.91	30	PASS
			MCH	RB1#0	21.48	22.39	30	PASS
				RB1#13	21.73	22.64	30	PASS
				RB1#24	21.44	22.35	30	PASS
				RB12#0	20.73	21.64	30	PASS
				RB12#6	20.85	21.76	30	PASS
				RB12#13	20.76	21.67	30	PASS
				RB25#0	20.74	21.65	30	PASS
		HCH	RB1#0	21.64	22.55	30	PASS	
			RB1#13	21.87	22.78	30	PASS	
RB1#24	21.53		22.44	30	PASS			
RB12#0	20.87		21.78	30	PASS			
RB12#6	20.99		21.9	30	PASS			
RB12#13	20.87		21.78	30	PASS			
RB25#0	20.89		21.8	30	PASS			
10	LCH	RB1#0	22.02	22.93	30	PASS		
		RB1#25	22.53	23.44	30	PASS		
		RB1#49	22.43	23.34	30	PASS		
		RB25#0	20.87	21.78	30	PASS		
		RB25#13	21.11	22.02	30	PASS		
		RB25#25	20.88	21.79	30	PASS		



				RB50#0	20.85	21.76	30	PASS
			MCH	RB1#0	22.1	23.01	30	PASS
				RB1#25	22.06	22.97	30	PASS
				RB1#49	21.89	22.8	30	PASS
				RB25#0	20.55	21.46	30	PASS
				RB25#13	20.78	21.69	30	PASS
				RB25#25	20.46	21.37	30	PASS
				RB50#0	20.53	21.44	30	PASS
			HCH	RB1#0	21.86	22.77	30	PASS
				RB1#25	21.97	22.88	30	PASS
				RB1#49	21.92	22.83	30	PASS
				RB25#0	20.68	21.59	30	PASS
				RB25#13	20.8	21.71	30	PASS
				RB25#25	20.68	21.59	30	PASS
		RB50#0		20.5	21.41	30	PASS	
		15	LCH	RB1#0	22.09	23	30	PASS
				RB1#38	22.58	23.49	30	PASS
				RB1#74	22.36	23.27	30	PASS
				RB36#0	21.09	22	30	PASS
				RB36#18	21.15	22.06	30	PASS
				RB36#39	21.08	21.99	30	PASS
				RB75#0	21.12	22.03	30	PASS
			MCH	RB1#0	21.96	22.87	30	PASS
				RB1#38	21.9	22.81	30	PASS
				RB1#74	21.65	22.56	30	PASS
				RB36#0	20.71	21.62	30	PASS
				RB36#18	20.83	21.74	30	PASS
				RB36#39	20.62	21.53	30	PASS
				RB75#0	20.73	21.64	30	PASS
		HCH	RB1#0	21.57	22.48	30	PASS	
			RB1#38	22.1	23.01	30	PASS	
			RB1#74	21.81	22.72	30	PASS	
RB36#0	20.72		21.63	30	PASS			
RB36#18	20.85		21.76	30	PASS			
RB36#39	20.65		21.56	30	PASS			
RB75#0	20.62		21.53	30	PASS			
20	LCH	RB1#0	22.21	23.12	30	PASS		
		RB1#50	22.69	23.6	30	PASS		
		RB1#99	22.42	23.33	30	PASS		
		RB50#0	21.07	21.98	30	PASS		
		RB50#25	21.23	22.14	30	PASS		



				RB50#50	21.03	21.94	30	PASS
				RB100#0	21.07	21.98	30	PASS
			MCH	RB1#0	22.04	22.95	30	PASS
				RB1#50	21.98	22.89	30	PASS
				RB1#99	21.74	22.65	30	PASS
				RB50#0	20.82	21.73	30	PASS
				RB50#25	20.81	21.72	30	PASS
				RB50#50	20.63	21.54	30	PASS
			HCH	RB100#0	20.72	21.63	30	PASS
				RB1#0	21.58	22.49	30	PASS
				RB1#50	21.99	22.9	30	PASS
				RB1#99	21.77	22.68	30	PASS
				RB50#0	20.57	21.48	30	PASS
				RB50#25	20.82	21.73	30	PASS
				RB50#50	20.63	21.54	30	PASS
				RB100#0	20.6	21.51	30	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
BAND5	LTE/TM 1	5	LCH	RB1#0	22.28	21.81	38.5	PASS
				RB1#13	22.55	22.08	38.5	PASS
				RB1#24	22.09	21.62	38.5	PASS
				RB12#0	21.67	21.2	38.5	PASS
				RB12#6	21.76	21.29	38.5	PASS
				RB12#13	21.56	21.09	38.5	PASS
				RB25#0	21.73	21.26	38.5	PASS
			MCH	RB1#0	21.95	21.48	38.5	PASS
				RB1#13	22.48	22.01	38.5	PASS
				RB1#24	22.24	21.77	38.5	PASS
				RB12#0	21.57	21.1	38.5	PASS
				RB12#6	21.75	21.28	38.5	PASS
				RB12#13	21.84	21.37	38.5	PASS
				RB25#0	21.75	21.28	38.5	PASS
			HCH	RB1#0	21.88	21.41	38.5	PASS
				RB1#13	21.85	21.38	38.5	PASS
				RB1#24	21.07	20.6	38.5	PASS
				RB12#0	21.24	20.77	38.5	PASS
				RB12#6	21.19	20.72	38.5	PASS
				RB12#13	20.86	20.39	38.5	PASS
				RB25#0	21.12	20.65	38.5	PASS



		10	LCH	RB1#0	22.4	21.93	38.5	PASS
				RB1#25	22.43	21.96	38.5	PASS
				RB1#49	22.2	21.73	38.5	PASS
				RB25#0	21.45	20.98	38.5	PASS
				RB25#13	21.58	21.11	38.5	PASS
				RB25#25	21.23	20.76	38.5	PASS
				RB50#0	21.46	20.99	38.5	PASS
			MCH	RB1#0	22.04	21.57	38.5	PASS
				RB1#25	22.63	22.16	38.5	PASS
				RB1#49	22.27	21.8	38.5	PASS
				RB25#0	21.3	20.83	38.5	PASS
				RB25#13	21.7	21.23	38.5	PASS
				RB25#25	21.42	20.95	38.5	PASS
				RB50#0	21.35	20.88	38.5	PASS
	HCH	RB1#0	22.12	21.65	38.5	PASS		
		RB1#25	22.25	21.78	38.5	PASS		
		RB1#49	21.27	20.8	38.5	PASS		
		RB25#0	21.2	20.73	38.5	PASS		
		RB25#13	21.37	20.9	38.5	PASS		
		RB25#25	20.92	20.45	38.5	PASS		
		RB50#0	21.13	20.66	38.5	PASS		
	LTE/TM 2	5	LCH	RB1#0	21.92	21.45	38.5	PASS
				RB1#13	22.2	21.73	38.5	PASS
				RB1#24	21.73	21.26	38.5	PASS
				RB12#0	20.83	20.36	38.5	PASS
				RB12#6	20.94	20.47	38.5	PASS
				RB12#13	20.75	20.28	38.5	PASS
				RB25#0	20.88	20.41	38.5	PASS
MCH			RB1#0	21.56	21.09	38.5	PASS	
			RB1#13	22.07	21.6	38.5	PASS	
			RB1#24	21.71	21.24	38.5	PASS	
			RB12#0	20.64	20.17	38.5	PASS	
			RB12#6	20.8	20.33	38.5	PASS	
			RB12#13	20.89	20.42	38.5	PASS	
			RB25#0	20.79	20.32	38.5	PASS	
HCH	RB1#0	21.38	20.91	38.5	PASS			
	RB1#13	21.41	20.94	38.5	PASS			
	RB1#24	20.66	20.19	38.5	PASS			
	RB12#0	20.45	19.98	38.5	PASS			
	RB12#6	20.43	19.96	38.5	PASS			
	RB12#13	19.99	19.52	38.5	PASS			



		10	LCH	RB25#0	20.21	19.74	38.5	PASS
				RB1#0	21.97	21.5	38.5	PASS
				RB1#25	22.12	21.65	38.5	PASS
				RB1#49	21.86	21.39	38.5	PASS
				RB25#0	20.56	20.09	38.5	PASS
				RB25#13	20.71	20.24	38.5	PASS
				RB25#25	20.35	19.88	38.5	PASS
			RB50#0	20.56	20.09	38.5	PASS	
			MCH	RB1#0	21.69	21.22	38.5	PASS
				RB1#25	22.24	21.77	38.5	PASS
				RB1#49	21.94	21.47	38.5	PASS
				RB25#0	20.52	20.05	38.5	PASS
				RB25#13	20.91	20.44	38.5	PASS
				RB25#25	20.63	20.16	38.5	PASS
				RB50#0	20.53	20.06	38.5	PASS
			HCH	RB1#0	21.88	21.41	38.5	PASS
				RB1#25	22.1	21.63	38.5	PASS
				RB1#49	21.11	20.64	38.5	PASS
				RB25#0	20.51	20.04	38.5	PASS
				RB25#13	20.71	20.24	38.5	PASS
				RB25#25	20.18	19.71	38.5	PASS
RB50#0	20.34	19.87		38.5	PASS			

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
BAND12	LTE/TM 1	5	LCH	RB1#0	22.21	21.72	34.7	PASS
				RB1#13	22.01	21.52	34.7	PASS
				RB1#24	21.65	21.16	34.7	PASS
				RB12#0	22.01	21.52	34.7	PASS
				RB12#6	21.84	21.35	34.7	PASS
				RB12#13	21.42	20.93	34.7	PASS
				RB25#0	21.7	21.21	34.7	PASS
			MCH	RB1#0	22.04	21.55	34.7	PASS
				RB1#13	22.62	22.13	34.7	PASS
				RB1#24	22.48	21.99	34.7	PASS
				RB12#0	22.15	21.66	34.7	PASS
				RB12#6	22.47	21.98	34.7	PASS
				RB12#13	22.43	21.94	34.7	PASS
HCH	RB25#0	22.3	21.81	34.7	PASS			
HCH	RB1#0	22.32	21.83	34.7	PASS			



				RB1#13	22.17	21.68	34.7	PASS
				RB1#24	21.24	20.75	34.7	PASS
				RB12#0	22.03	21.54	34.7	PASS
				RB12#6	21.87	21.38	34.7	PASS
				RB12#13	21.62	21.13	34.7	PASS
				RB25#0	21.75	21.26	34.7	PASS
		10	LCH	RB1#0	22.05	21.56	34.7	PASS
				RB1#25	22.2	21.71	34.7	PASS
				RB1#49	22.49	22	34.7	PASS
				RB25#0	21.47	20.98	34.7	PASS
				RB25#13	21.71	21.22	34.7	PASS
				RB25#25	21.82	21.33	34.7	PASS
			MCH	RB50#0	21.7	21.21	34.7	PASS
				RB1#0	21.36	20.87	34.7	PASS
				RB1#25	22.62	22.13	34.7	PASS
	RB1#49			22.23	21.74	34.7	PASS	
	RB25#0			21.63	21.14	34.7	PASS	
	RB25#13			22.22	21.73	34.7	PASS	
	HCH	RB25#25	22.08	21.59	34.7	PASS		
		RB50#0	21.97	21.48	34.7	PASS		
		RB1#0	22.17	21.68	34.7	PASS		
		RB1#25	22.73	22.24	34.7	PASS		
		RB1#49	21.3	20.81	34.7	PASS		
		RB25#0	22.15	21.66	34.7	PASS		
	LTE/TM 2	5	LCH	RB25#13	22.27	21.78	34.7	PASS
				RB25#25	21.65	21.16	34.7	PASS
				RB50#0	21.91	21.42	34.7	PASS
				RB1#0	22.09	21.6	34.7	PASS
				RB1#13	21.92	21.43	34.7	PASS
				RB1#24	21.51	21.02	34.7	PASS
RB12#0				20.92	20.43	34.7	PASS	
MCH		RB12#6	20.75	20.26	34.7	PASS		
		RB12#13	20.29	19.8	34.7	PASS		
		RB25#0	20.68	20.19	34.7	PASS		
		RB1#0	21.76	21.27	34.7	PASS		
		RB1#13	22.36	21.87	34.7	PASS		
		RB1#24	22.23	21.74	34.7	PASS		
		RB12#0	20.87	20.38	34.7	PASS		
		RB12#6	21.21	20.72	34.7	PASS		
RB12#13	21.18	20.69	34.7	PASS				
RB25#0	21.14	20.65	34.7	PASS				



		10	HCH	RB1#0	22.07	21.58	34.7	PASS
				RB1#13	21.95	21.46	34.7	PASS
				RB1#24	21.03	20.54	34.7	PASS
				RB12#0	20.89	20.4	34.7	PASS
				RB12#6	20.73	20.24	34.7	PASS
				RB12#13	20.51	20.02	34.7	PASS
				RB25#0	20.61	20.12	34.7	PASS
			LCH	RB1#0	21.71	21.22	34.7	PASS
				RB1#25	22.22	21.73	34.7	PASS
				RB1#49	22.55	22.06	34.7	PASS
				RB25#0	20.23	19.74	34.7	PASS
				RB25#13	20.7	20.21	34.7	PASS
				RB25#25	20.91	20.42	34.7	PASS
				RB50#0	20.58	20.09	34.7	PASS
		MCH	RB1#0	21.15	20.66	34.7	PASS	
			RB1#25	22.39	21.9	34.7	PASS	
			RB1#49	22.07	21.58	34.7	PASS	
			RB25#0	20.44	19.95	34.7	PASS	
			RB25#13	21.06	20.57	34.7	PASS	
			RB25#25	20.95	20.46	34.7	PASS	
			RB50#0	20.83	20.34	34.7	PASS	
		HCH	RB1#0	21.97	21.48	34.7	PASS	
			RB1#25	22.75	22.26	34.7	PASS	
			RB1#49	21.45	20.96	34.7	PASS	
			RB25#0	21.17	20.68	34.7	PASS	
			RB25#13	21.32	20.83	34.7	PASS	
			RB25#25	20.71	20.22	34.7	PASS	
			RB50#0	20.94	20.45	34.7	PASS	

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Measure d[dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
BAND17	LTE/TM 1	5	LCH	RB1#0	22.08	21.57	34.7	PASS
				RB1#13	22.98	22.47	34.7	PASS
				RB1#24	22.83	22.32	34.7	PASS
				RB12#0	22.26	21.75	34.7	PASS
				RB12#6	22.61	22.1	34.7	PASS
				RB12#13	22.72	22.21	34.7	PASS
				RB25#0	22.51	22	34.7	PASS
			MCH	RB1#0	22.81	22.3	34.7	PASS
				RB1#13	22.82	22.31	34.7	PASS



				RB1#24	22.63	22.12	34.7	PASS
				RB12#0	22.94	22.43	34.7	PASS
				RB12#6	22.57	22.06	34.7	PASS
				RB12#13	22.82	22.31	34.7	PASS
				RB25#0	22.41	21.9	34.7	PASS
			HCH	RB1#0	22.74	22.23	34.7	PASS
				RB1#13	22.71	22.2	34.7	PASS
				RB1#24	21.79	21.28	34.7	PASS
				RB12#0	22.5	21.99	34.7	PASS
				RB12#6	22.46	21.95	34.7	PASS
				RB12#13	22.21	21.7	34.7	PASS
				RB25#0	22.35	21.84	34.7	PASS
			LCH	RB1#0	21.87	21.36	34.7	PASS
				RB1#25	22.98	22.47	34.7	PASS
				RB1#49	22.3	21.79	34.7	PASS
				RB25#0	22.27	21.76	34.7	PASS
	RB25#13	22.79		22.28	34.7	PASS		
	RB25#25	22.46		21.95	34.7	PASS		
	RB50#0	22.36		21.85	34.7	PASS		
	MCH	RB1#0		22.67	22.16	34.7	PASS	
		RB1#25		22.95	22.44	34.7	PASS	
		RB1#49		22.44	21.93	34.7	PASS	
		RB25#0	22.55	22.04	34.7	PASS		
		RB25#13	22.97	22.46	34.7	PASS		
		RB25#25	22.35	21.84	34.7	PASS		
		RB50#0	22.51	22	34.7	PASS		
	HCH	RB1#0	22.76	22.25	34.7	PASS		
		RB1#25	22.68	22.17	34.7	PASS		
		RB1#49	22.08	21.57	34.7	PASS		
		RB25#0	22.75	22.24	34.7	PASS		
		RB25#13	22.88	22.37	34.7	PASS		
		RB25#25	22.27	21.76	34.7	PASS		
RB50#0		22.52	22.01	34.7	PASS			
LCH	RB1#0	21.84	21.33	34.7	PASS			
	RB1#13	22.85	22.34	34.7	PASS			
	RB1#24	22.82	22.31	34.7	PASS			
	RB12#0	21.39	20.88	34.7	PASS			
	RB12#6	21.7	21.19	34.7	PASS			
	RB12#13	21.69	21.18	34.7	PASS			
	RB25#0	21.73	21.22	34.7	PASS			
	MCH	RB1#0	22.55	22.04	34.7	PASS		



				RB1#13	22.59	22.08	34.7	PASS	
				RB1#24	22.38	21.87	34.7	PASS	
				RB12#0	21.84	21.33	34.7	PASS	
				RB12#6	21.51	21	34.7	PASS	
				RB12#13	21.7	21.19	34.7	PASS	
				RB25#0	21.94	21.43	34.7	PASS	
			HCH	RB1#0	22.51	22	34.7	PASS	
				RB1#13	22.52	22.01	34.7	PASS	
				RB1#24	21.57	21.06	34.7	PASS	
				RB12#0	21.42	20.91	34.7	PASS	
				RB12#6	21.37	20.86	34.7	PASS	
				RB12#13	21.14	20.63	34.7	PASS	
				RB25#0	21.27	20.76	34.7	PASS	
			10	LCH	RB1#0	21.65	21.14	34.7	PASS
					RB1#25	22.89	22.38	34.7	PASS
		RB1#49			22.11	21.6	34.7	PASS	
		RB25#0			21.13	20.62	34.7	PASS	
		RB25#13			21.72	21.21	34.7	PASS	
		RB25#25			21.39	20.88	34.7	PASS	
				RB50#0	21.26	20.75	34.7	PASS	
		MCH		RB1#0	22.43	21.92	34.7	PASS	
				RB1#25	22.82	22.31	34.7	PASS	
				RB1#49	22.2	21.69	34.7	PASS	
				RB25#0	21.5	20.99	34.7	PASS	
				RB25#13	21.91	21.4	34.7	PASS	
				RB25#25	21.29	20.78	34.7	PASS	
				RB50#0	21.44	20.93	34.7	PASS	
		HCH		RB1#0	22.64	22.13	34.7	PASS	
			RB1#25	22.53	22.02	34.7	PASS		
			RB1#49	21.95	21.44	34.7	PASS		
RB25#0	21.57		21.06	34.7	PASS				
RB25#13	21.72		21.21	34.7	PASS				
RB25#25	21.07		20.56	34.7	PASS				
	RB50#0	21.3	20.79	34.7	PASS				



Note1:

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

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

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

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	0.5	13	PASS
		MCH	0.5	13	PASS
		HCH	0.45	13	PASS
	GSM/TM2	LCH	3.01	13	PASS
		MCH	3.05	13	PASS
		HCH	2.92	13	PASS
Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
WCDMA1700	UMTS/TM1	LCH	3.07	13	PASS
		MCH	2.87	13	PASS
		HCH	3.08	13	PASS
WCDMA1900	UMTS/TM1	LCH	2.89	13	PASS
		MCH	3.12	13	PASS
		HCH	3.15	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	3.84	13	PASS
				RB1#13	3.56	13	PASS
				RB1#24	3.64	13	PASS
				RB12#0	4.01	13	PASS
				RB12#6	3.96	13	PASS
				RB12#13	4.05	13	PASS
			RB25#0	4.92	13	PASS	
			MCH	RB1#0	3.94	13	PASS
				RB1#13	3.61	13	PASS
				RB1#24	3.62	13	PASS
				RB12#0	4.06	13	PASS
				RB12#6	4.22	13	PASS
				RB12#13	4.15	13	PASS
			RB25#0	4.98	13	PASS	
			HCH	RB1#0	3.97	13	PASS
				RB1#13	3.45	13	PASS
				RB1#24	3.74	13	PASS
				RB12#0	4	13	PASS
		RB12#6		4.06	13	PASS	
		RB12#13		4.09	13	PASS	
		RB25#0	4.69	13	PASS		
		10	LCH	RB1#0	3.7	13	PASS
				RB1#25	3.57	13	PASS
				RB1#49	3.74	13	PASS
				RB25#0	4.05	13	PASS
				RB25#13	4.02	13	PASS
				RB25#25	4.17	13	PASS
			RB50#0	4.77	13	PASS	
			MCH	RB1#0	3.73	13	PASS
				RB1#25	3.64	13	PASS
RB1#49	3.77			13	PASS		
RB25#0	4.16			13	PASS		
RB25#13	4.08			13	PASS		
RB25#25	4.18	13		PASS			
RB50#0	4.61	13	PASS				
HCH	RB1#0	3.63	13	PASS			
	RB1#25	3.41	13	PASS			
	RB1#49	4.01	13	PASS			



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
				RB25#0	4.03	13	PASS	
				RB25#13	3.75	13	PASS	
				RB25#25	3.97	13	PASS	
				RB50#0	4.95	13	PASS	
		15	LCH		RB1#0	4.74	13	PASS
					RB1#38	3.45	13	PASS
					RB1#74	4.03	13	PASS
					RB36#0	4.07	13	PASS
					RB36#18	4.03	13	PASS
					RB36#39	4.09	13	PASS
					RB75#0	4.99	13	PASS
					MCH		RB1#0	4.25
			RB1#38	3.48			13	PASS
			RB1#74	4.03			13	PASS
			RB36#0	4.11			13	PASS
			RB36#18	4.08			13	PASS
			RB36#39	4.05			13	PASS
			RB75#0	5.01			13	PASS
			HCH				RB1#0	4.41
					RB1#38	3.34	13	PASS
		RB1#74			4.01	13	PASS	
		RB36#0			3.99	13	PASS	
		RB36#18			3.96	13	PASS	
		RB36#39			3.9	13	PASS	
		RB75#0			4.93	13	PASS	
		20			LCH		RB1#0	3.4
			RB1#50	3.46			13	PASS
			RB1#99	3.43			13	PASS
			RB50#0	4.11			13	PASS
			RB50#25	4.05			13	PASS
			RB50#50	4.13			13	PASS
			MCH		RB100#0	4.85	13	PASS
RB1#0	3.47				13	PASS		
RB1#50	3.51				13	PASS		
RB1#99	3.43				13	PASS		
RB50#0	4.18				13	PASS		
RB50#25	4.08				13	PASS		
			RB50#50	4.06	13	PASS		



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
			HCH	RB100#0	4.75	13	PASS	
				RB1#0	3.45	13	PASS	
				RB1#50	3.43	13	PASS	
				RB1#99	3.29	13	PASS	
				RB50#0	4.12	13	PASS	
				RB50#25	3.97	13	PASS	
				RB50#50	3.95	13	PASS	
				RB100#0	4.84	13	PASS	
	LTE/TM2	5		LCH	RB1#0	4.45	13	PASS
					RB1#13	3.55	13	PASS
					RB1#24	3.87	13	PASS
					RB12#0	4.29	13	PASS
					RB12#6	4.15	13	PASS
					RB12#13	4.2	13	PASS
					RB25#0	5.24	13	PASS
				MCH	RB1#0	4.59	13	PASS
					RB1#13	3.69	13	PASS
					RB1#24	4.09	13	PASS
					RB12#0	4.39	13	PASS
					RB12#6	4.31	13	PASS
					RB12#13	4.25	13	PASS
					RB25#0	5.19	13	PASS
		HCH	RB1#0	3.98	13	PASS		
			RB1#13	3.7	13	PASS		
			RB1#24	3.8	13	PASS		
			RB12#0	4.32	13	PASS		
			RB12#6	4.3	13	PASS		
			RB12#13	4.23	13	PASS		
		10	LCH	RB1#0	4.06	13	PASS	
				RB1#25	3.57	13	PASS	
RB1#49	3.61			13	PASS			
RB25#0	4.27			13	PASS			
RB25#13	4.41			13	PASS			
RB25#25	4.38			13	PASS			
RB50#0	5.08			13	PASS			
MCH	RB1#0		3.94	13	PASS			
RB1#25	3.79	13	PASS					



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#49	3.75	13	PASS
				RB25#0	4.36	13	PASS
				RB25#13	4.42	13	PASS
				RB25#25	4.39	13	PASS
				RB50#0	4.91	13	PASS
			HCH	RB1#0	3.79	13	PASS
				RB1#25	3.66	13	PASS
				RB1#49	3.69	13	PASS
				RB25#0	4.3	13	PASS
				RB25#13	4.31	13	PASS
				RB25#25	4.28	13	PASS
			LCH	RB50#0	4.98	13	PASS
				RB1#0	4.32	13	PASS
				RB1#38	3.34	13	PASS
		RB1#74		3.88	13	PASS	
		RB36#0		4.37	13	PASS	
		RB36#18		4.26	13	PASS	
		RB36#39		4.29	13	PASS	
		MCH	RB75#0	5.26	13	PASS	
			RB1#0	4.21	13	PASS	
			RB1#38	3.61	13	PASS	
			RB1#74	4.23	13	PASS	
			RB36#0	4.36	13	PASS	
			RB36#18	4.29	13	PASS	
			RB36#39	4.39	13	PASS	
		HCH	RB75#0	5.32	13	PASS	
			RB1#0	4.25	13	PASS	
			RB1#38	3.39	13	PASS	
			RB1#74	4.12	13	PASS	
			RB36#0	4.32	13	PASS	
			RB36#18	4.17	13	PASS	
			RB36#39	4.26	13	PASS	
LCH	RB75#0	5.28	13	PASS			
	RB1#0	3.97	13	PASS			
	RB1#50	3.77	13	PASS			
	RB1#99	3.9	13	PASS			
	RB50#0	4.33	13	PASS			
		20		RB50#25	4.37	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB50#50	4.24	13	PASS
				RB100#0	5.4	13	PASS
			MCH	RB1#0	3.67	13	PASS
				RB1#50	3.94	13	PASS
				RB1#99	3.78	13	PASS
				RB50#0	4.37	13	PASS
				RB50#25	4.49	13	PASS
				RB50#50	4.39	13	PASS
				RB100#0	5.18	13	PASS
			HCH	RB1#0	3.77	13	PASS
				RB1#50	3.64	13	PASS
				RB1#99	3.84	13	PASS
				RB50#0	4.35	13	PASS
				RB50#25	4.41	13	PASS
				RB50#50	4.32	13	PASS
			BAND4	LTE/TM1	5	LCH	RB1#0
RB1#13	3.36	13					PASS
RB1#24	3.51	13					PASS
RB12#0	3.93	13					PASS
RB12#6	3.72	13					PASS
RB12#13	3.88	13					PASS
RB25#0	4.96	13					PASS
MCH	RB1#0	3.42				13	PASS
	RB1#13	3.2				13	PASS
	RB1#24	3.28				13	PASS
	RB12#0	3.76				13	PASS
	RB12#6	3.55				13	PASS
	RB12#13	3.68				13	PASS
HCH	RB25#0	4.67				13	PASS
	RB1#0	3.69			13	PASS	
	RB1#13	3.4			13	PASS	
	RB1#24	3.59			13	PASS	
	RB12#0	3.93			13	PASS	
	RB12#6	3.8			13	PASS	
	RB12#13	3.87			13	PASS	
10	LCH	RB1#0			3.5	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict			
				RB1#25	3.3	13	PASS			
				RB1#49	3.3	13	PASS			
				RB25#0	3.91	13	PASS			
				RB25#13	3.88	13	PASS			
				RB25#25	3.92	13	PASS			
				RB50#0	4.36	13	PASS			
			MCH	RB1#0	3.15	13	PASS			
				RB1#25	3.14	13	PASS			
				RB1#49	3.29	13	PASS			
				RB25#0	3.74	13	PASS			
				RB25#13	3.54	13	PASS			
				RB25#25	3.74	13	PASS			
			HCH	RB1#0	3.44	13	PASS			
				RB1#25	3.32	13	PASS			
				RB1#49	3.47	13	PASS			
				RB25#0	3.9	13	PASS			
				RB25#13	3.74	13	PASS			
				RB25#25	3.9	13	PASS			
		15	LCH	RB1#0	3	13	PASS			
				RB1#38	2.07	13	PASS			
				RB1#74	2.62	13	PASS			
				RB36#0	2.72	13	PASS			
				RB36#18	2.48	13	PASS			
				RB36#39	2.7	13	PASS			
			MCH	RB75#0	3.77	13	PASS			
				RB1#0	4.14	13	PASS			
				RB1#38	3.07	13	PASS			
				RB1#74	3.67	13	PASS			
				RB36#0	3.69	13	PASS			
				RB36#18	3.6	13	PASS			
			HCH	RB36#39	3.74	13	PASS			
				RB75#0	4.74	13	PASS			
				RB1#0	4.17	13	PASS			
				RB1#38	3.21	13	PASS			
							RB1#74	3.77	13	PASS
							RB36#0	3.76	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		20		RB36#18	3.76	13	PASS
				RB36#39	3.86	13	PASS
				RB75#0	4.83	13	PASS
			LCH	RB1#0	3.24	13	PASS
				RB1#50	3.17	13	PASS
				RB1#99	3.03	13	PASS
				RB50#0	3.85	13	PASS
				RB50#25	3.62	13	PASS
				RB50#50	3.78	13	PASS
				RB100#0	4.63	13	PASS
		MCH	RB1#0	3.13	13	PASS	
			RB1#50	3.09	13	PASS	
			RB1#99	3.16	13	PASS	
			RB50#0	3.71	13	PASS	
			RB50#25	3.41	13	PASS	
			RB50#50	3.72	13	PASS	
		HCH	RB100#0	4.71	13	PASS	
			RB1#0	3.12	13	PASS	
			RB1#50	3.19	13	PASS	
			RB1#99	3.22	13	PASS	
	RB50#0		3.76	13	PASS		
	RB50#25		3.59	13	PASS		
	5	LTE/TM2	LCH	RB1#0	3.22	13	PASS
				RB1#13	2.5	13	PASS
				RB1#24	2.83	13	PASS
				RB12#0	3.06	13	PASS
				RB12#6	2.73	13	PASS
				RB12#13	3.06	13	PASS
			MCH	RB25#0	3.93	13	PASS
				RB1#0	3.9	13	PASS
RB1#13				3.61	13	PASS	
RB1#24				3.55	13	PASS	
			RB12#0	4.08	13	PASS	
			RB12#6	3.92	13	PASS	
			RB12#13	4	13	PASS	
			RB25#0	4.97	13	PASS	



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
		10	HCH	RB1#0	4.23	13	PASS
				RB1#13	3.7	13	PASS
				RB1#24	3.78	13	PASS
				RB12#0	4.18	13	PASS
				RB12#6	3.99	13	PASS
				RB12#13	4.15	13	PASS
				RB25#0	5.3	13	PASS
			LCH	RB1#0	2.84	13	PASS
				RB1#25	2.37	13	PASS
				RB1#49	2.93	13	PASS
				RB25#0	3.09	13	PASS
				RB25#13	2.81	13	PASS
				RB25#25	3.05	13	PASS
				RB50#0	3.91	13	PASS
		MCH	RB1#0	3.36	13	PASS	
			RB1#25	3.27	13	PASS	
			RB1#49	4.1	13	PASS	
			RB25#0	4.07	13	PASS	
			RB25#13	3.92	13	PASS	
			RB25#25	4.08	13	PASS	
			RB50#0	5.11	13	PASS	
		HCH	RB1#0	3.65	13	PASS	
			RB1#25	3.63	13	PASS	
			RB1#49	3.75	13	PASS	
			RB25#0	4.24	13	PASS	
			RB25#13	4.25	13	PASS	
			RB25#25	4.25	13	PASS	
			RB50#0	4.99	13	PASS	
		15	LCH	RB1#0	3.19	13	PASS
				RB1#38	2.49	13	PASS
RB1#74	2.82			13	PASS		
RB36#0	3.16			13	PASS		
RB36#18	2.95			13	PASS		
RB36#39	3.05			13	PASS		
RB75#0	4.03			13	PASS		
MCH	RB1#0		4.07	13	PASS		
	RB1#38		3.31	13	PASS		
	RB1#74		3.8	13	PASS		



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict	
				RB36#0	4.13	13	PASS	
				RB36#18	4	13	PASS	
				RB36#39	4.13	13	PASS	
				RB75#0	5.2	13	PASS	
			HCH	RB1#0	4.16	13	PASS	
				RB1#38	3.33	13	PASS	
				RB1#74	3.82	13	PASS	
				RB36#0	4.18	13	PASS	
				RB36#18	4.11	13	PASS	
				RB36#39	4.23	13	PASS	
				RB75#0	5.24	13	PASS	
				LCH	RB1#0	3.13	13	PASS
					RB1#50	2.31	13	PASS
					RB1#99	2.89	13	PASS
					RB50#0	3.09	13	PASS
		RB50#25			2.83	13	PASS	
		RB50#50			2.94	13	PASS	
		RB100#0	3.94		13	PASS		
		MCH	RB1#0	3.44	13	PASS		
			RB1#50	3.48	13	PASS		
			RB1#99	3.39	13	PASS		
			RB50#0	4.09	13	PASS		
			RB50#25	4.03	13	PASS		
			RB50#50	4.16	13	PASS		
			RB100#0	4.97	13	PASS		
		HCH	RB1#0	3.86	13	PASS		
			RB1#50	3.57	13	PASS		
			RB1#99	3.76	13	PASS		
			RB50#0	4.21	13	PASS		
			RB50#25	4.11	13	PASS		
RB50#50	4.42		13	PASS				
RB100#0	5.16		13	PASS				

3Appendix_C: Modulation Characteristics

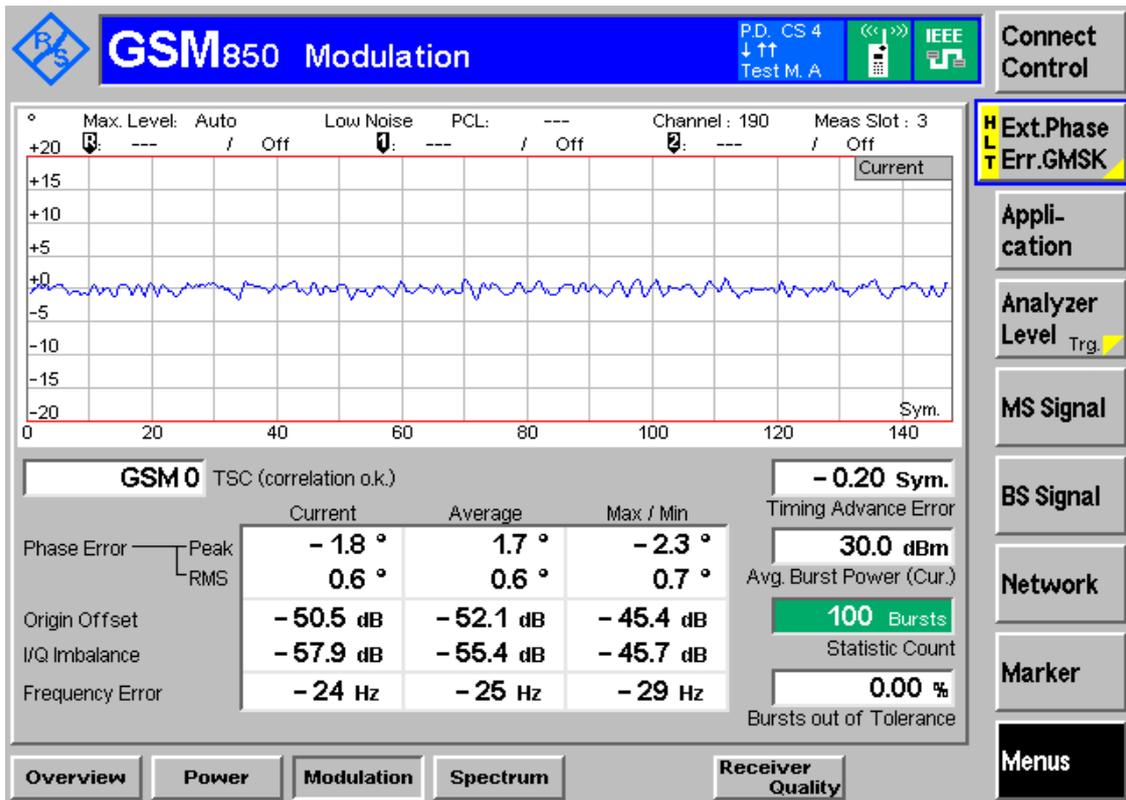
Part I - Test Plots

3.1 For GSM

3.1.1 Test Band = GSM850

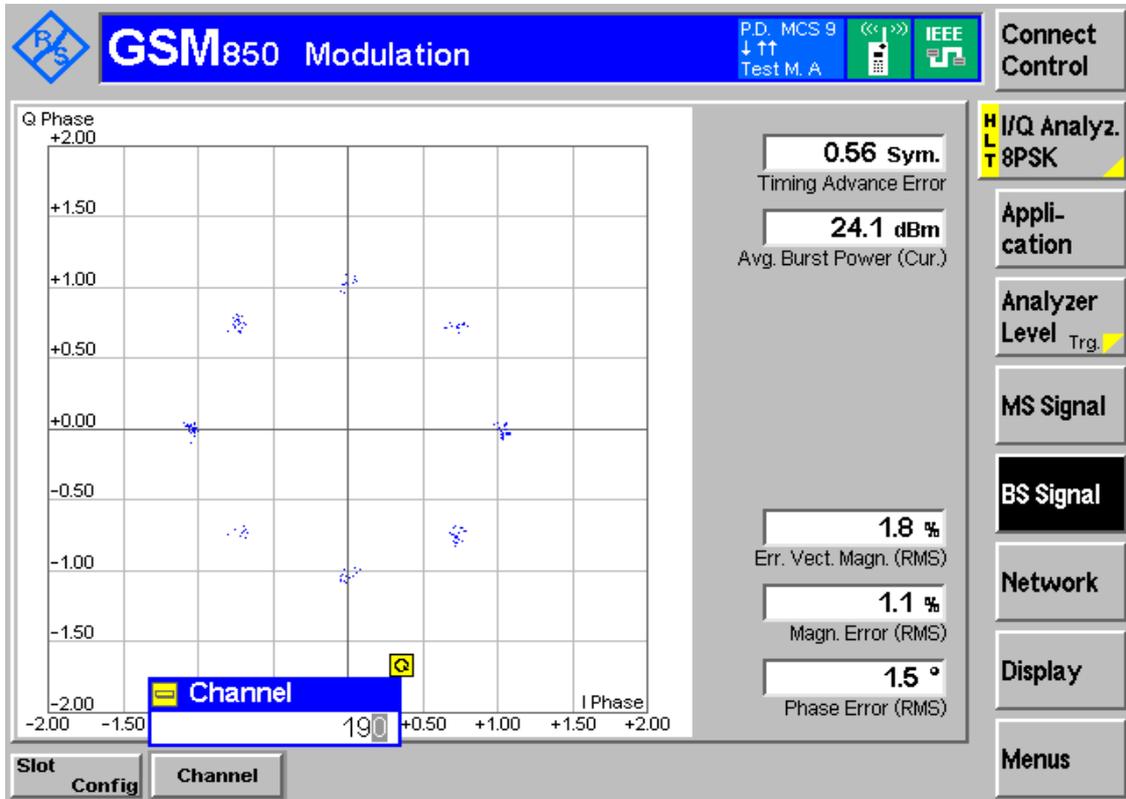
3.1.1.1 Test Mode = GSM/TM1

3.1.1.1.1 Test Channel = MCH



3.1.1.2 Test Mode = GSM/TM2

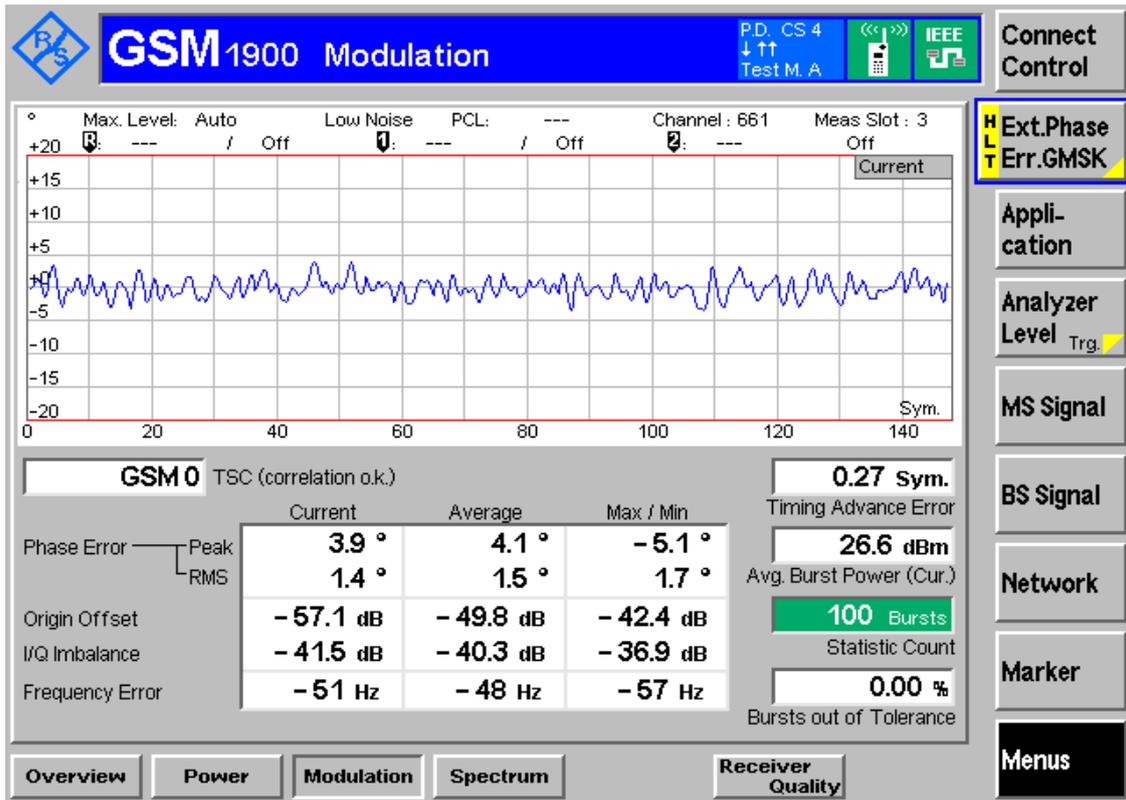
3.1.1.2.1 Test Channel = MCH



3.1.2 Test Band = GSM1900

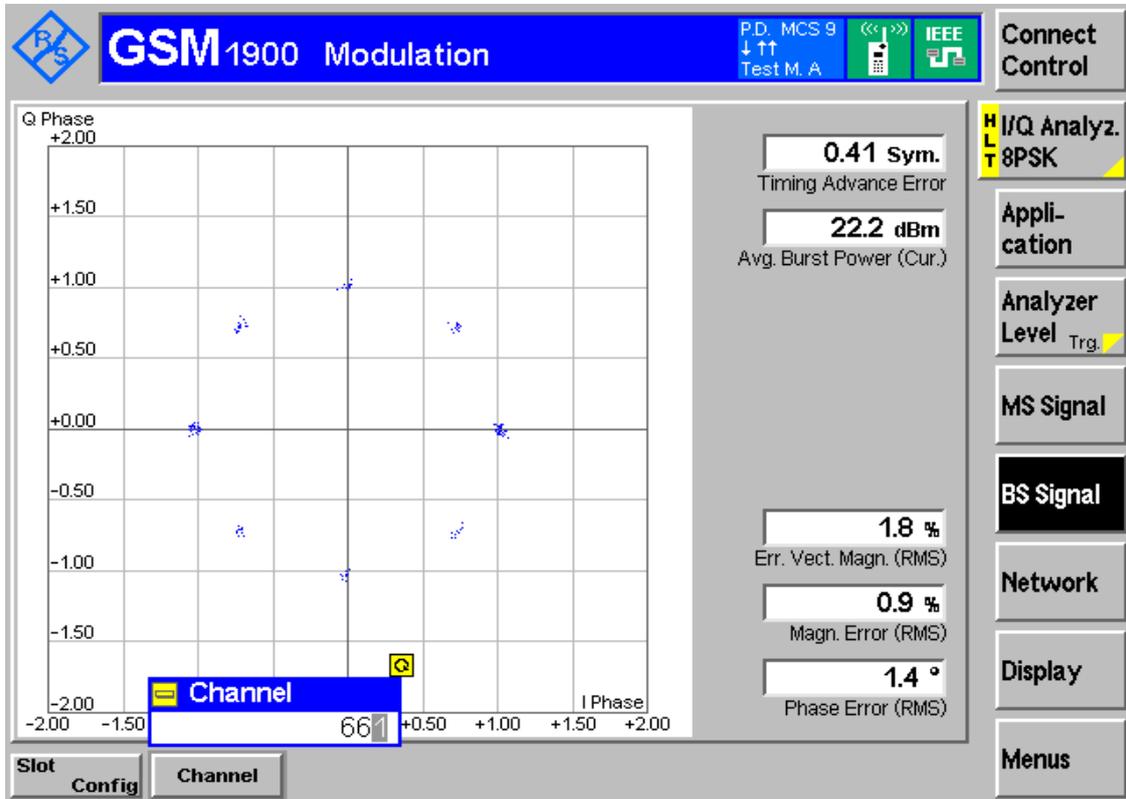
3.1.2.1 Test Mode = GSM/TM1

3.1.2.1.1 Test Channel = MCH



3.1.2.2 Test Mode = GSM/TM2

3.1.2.2.1 Test Channel = MCH

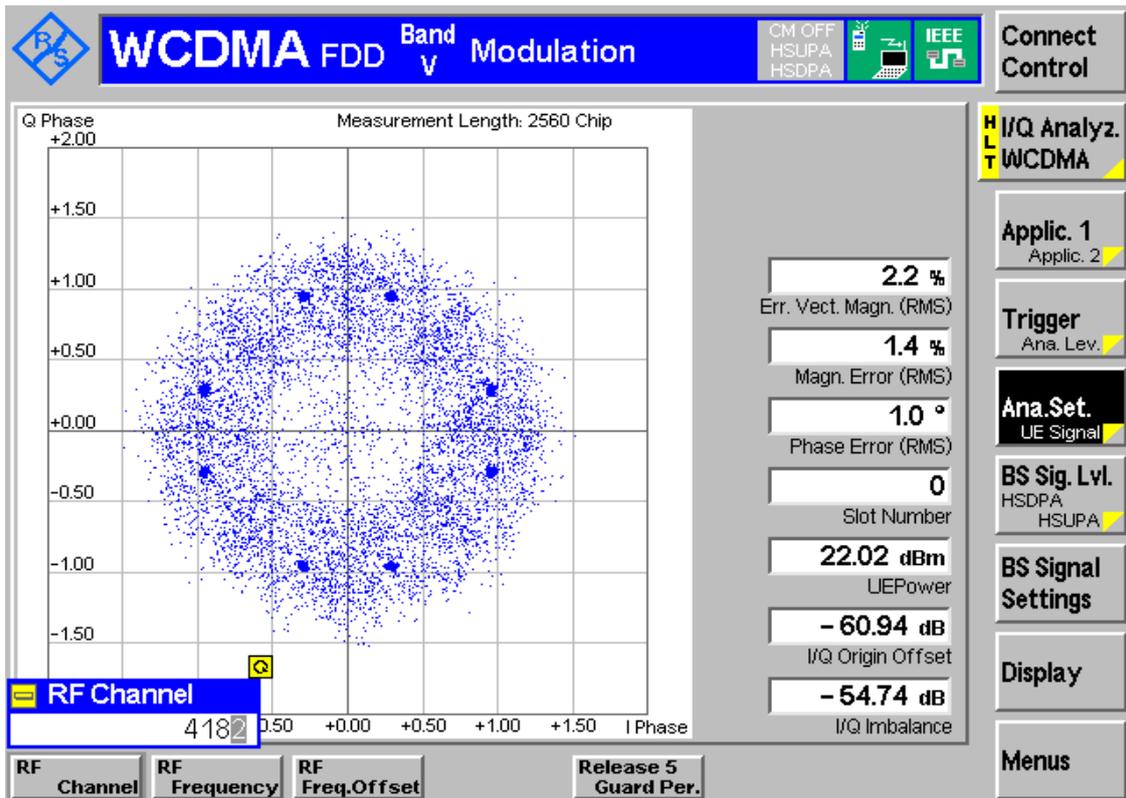


3.2 For UMTS

3.2.1 Test Band = WCDMA850

3.2.1.1 Test Mode = UMTS/TM1

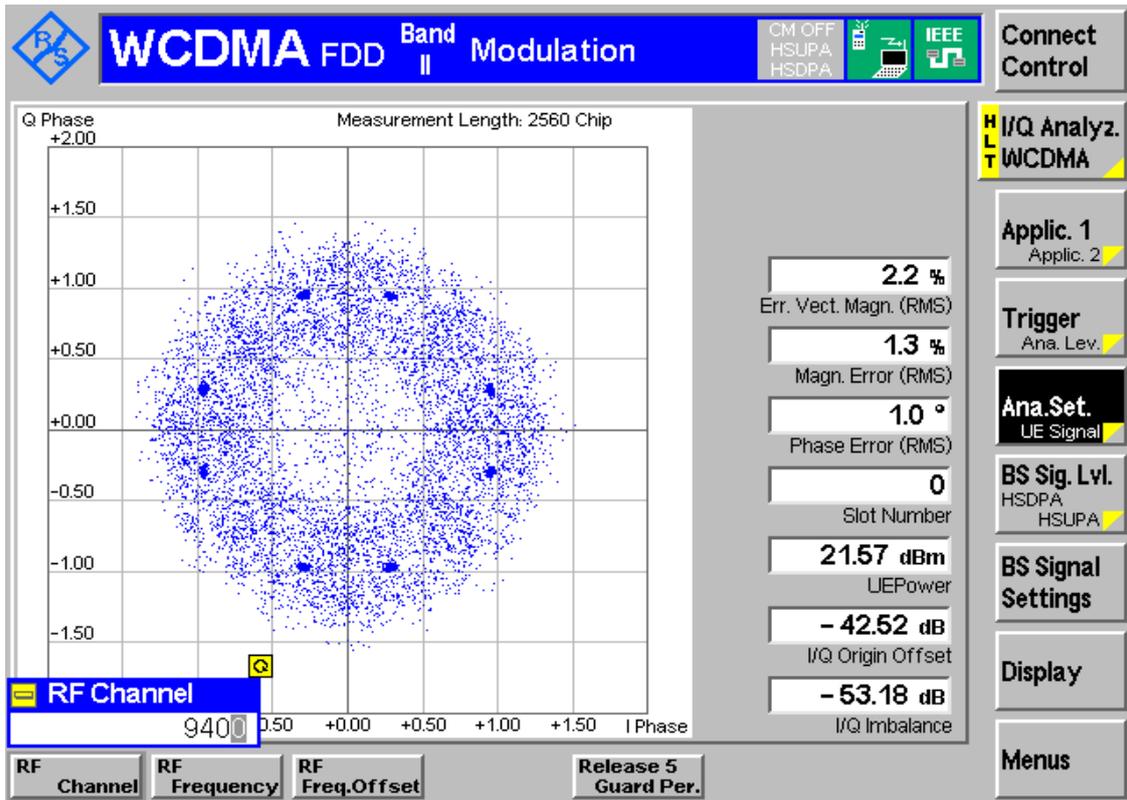
3.2.1.1.1 Test Channel = MCH



3.2.2 Test Band = WCDMA1900

3.2.2.1 Test Mode = UMTS/TM1

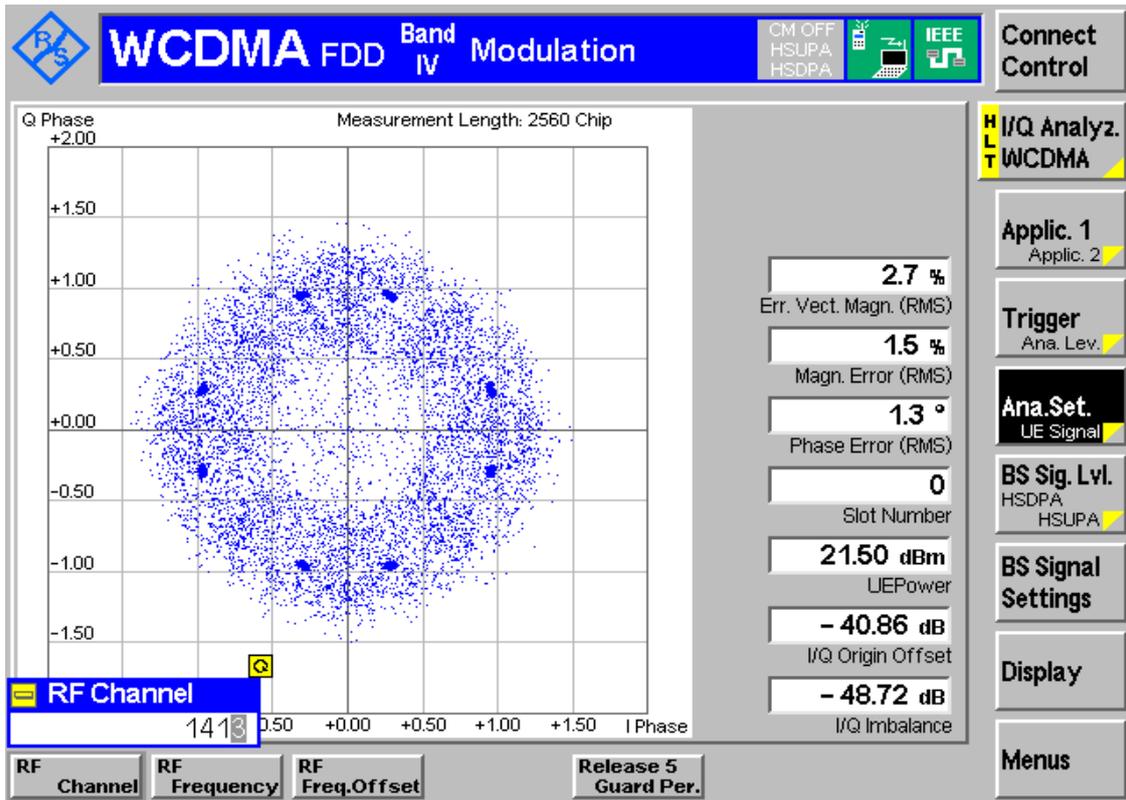
3.2.2.1.1 Test Channel = MCH



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

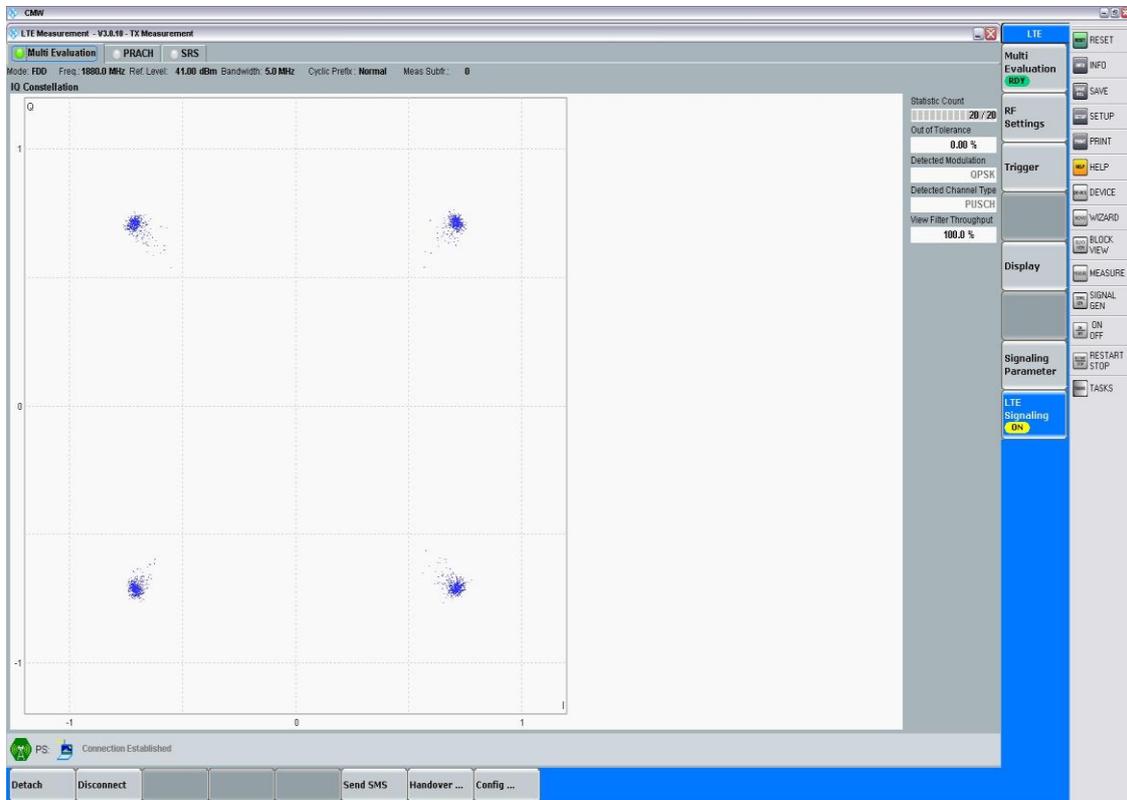
3.3.1 Test Band = BAND2

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

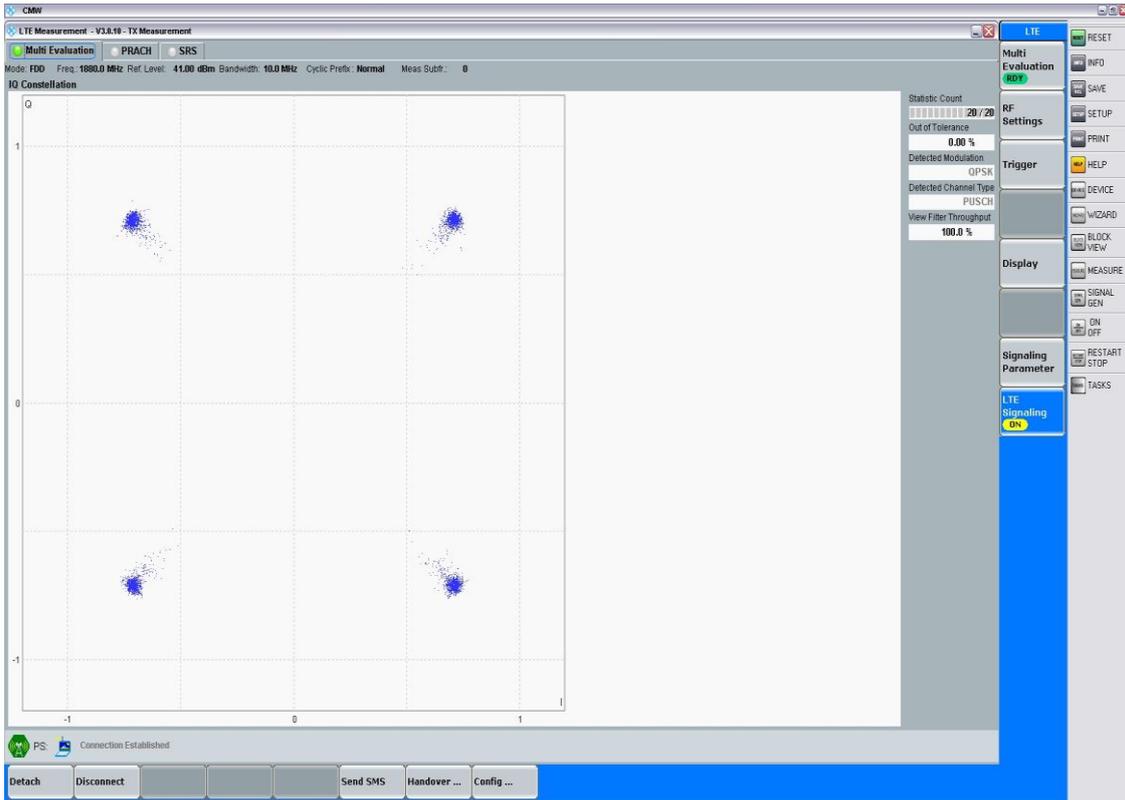
3.3.1.1.1.1.1 Test RB = RB25#0



3.3.1.1.2 Test Bandwidth = 10

3.3.1.1.2.1 Test Channel = MCH

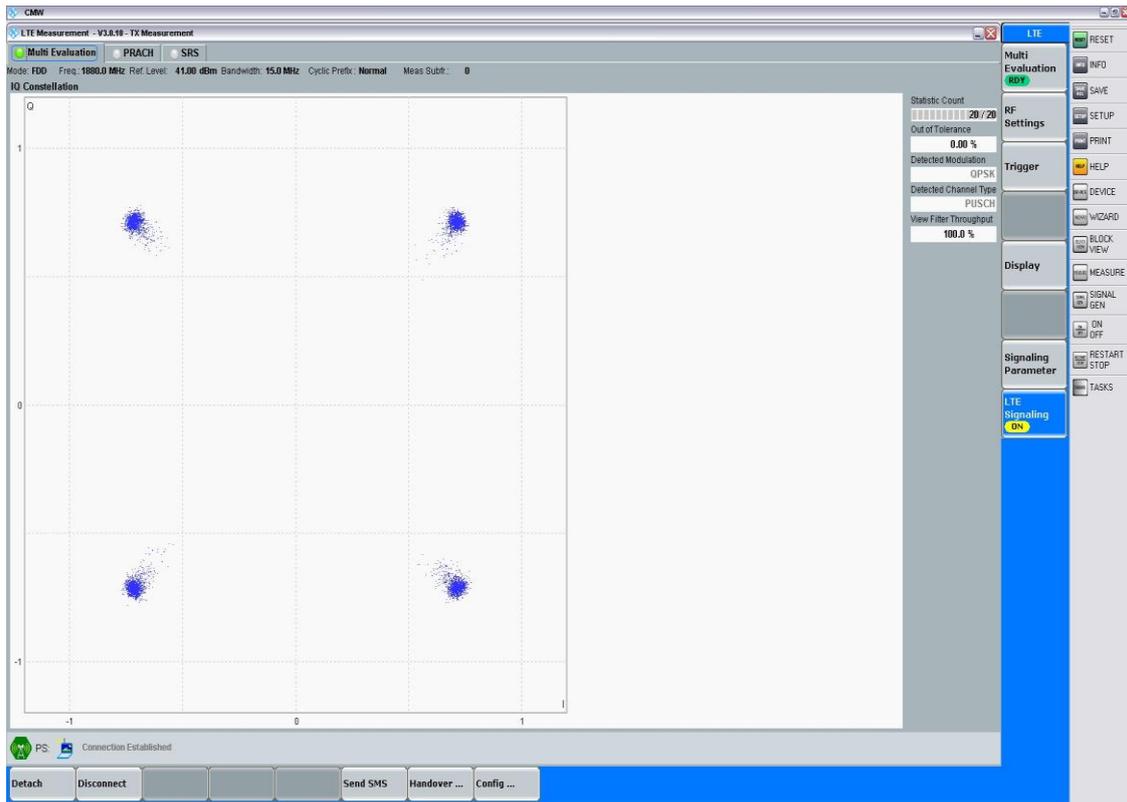
3.3.1.1.2.1.1 Test RB = RB50#0



3.3.1.1.3 Test Bandwidth = 15

3.3.1.1.3.1 Test Channel = MCH

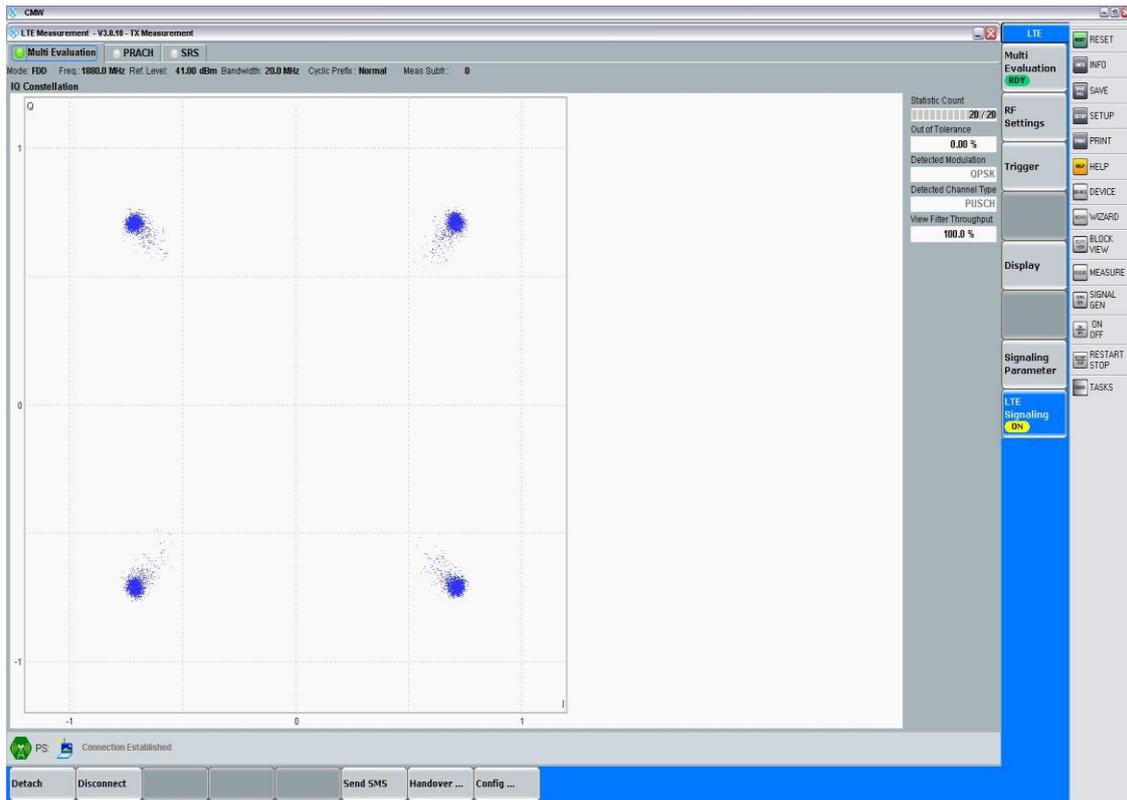
3.3.1.1.3.1.1 Test RB = RB75#0



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

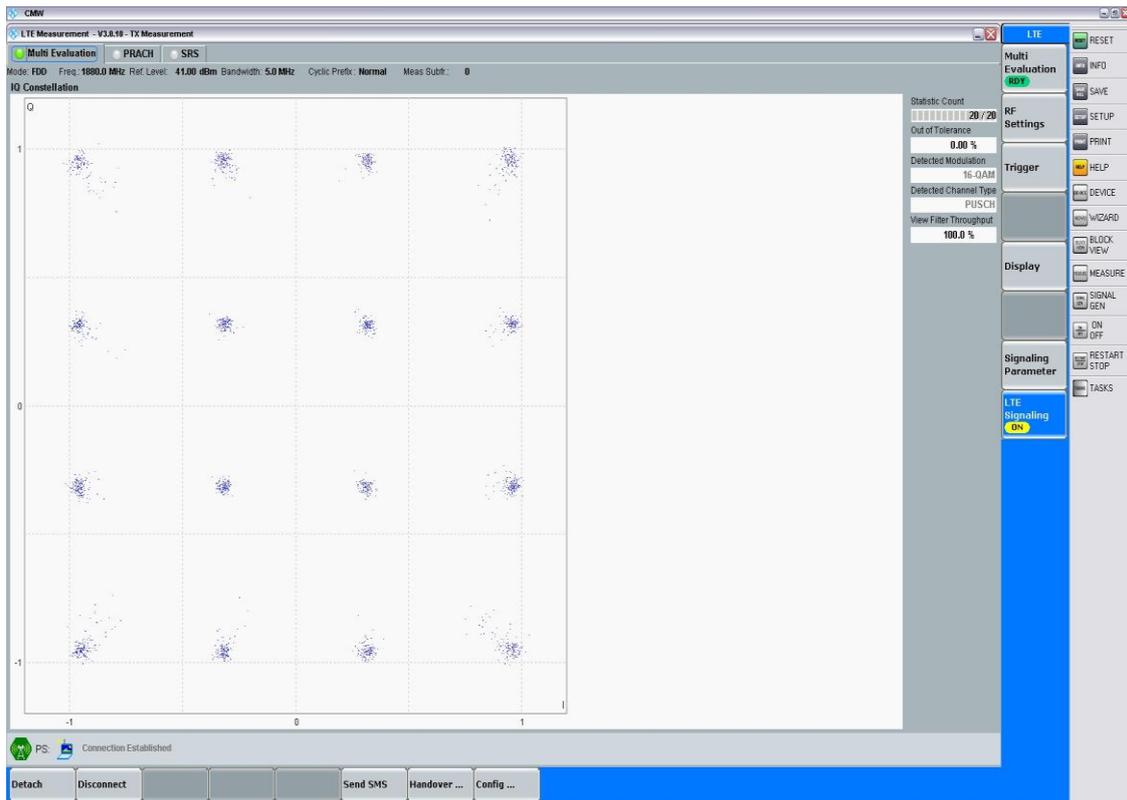


3.3.1.2 Test Mode = LTE/TM2

3.3.1.2.1 Test Bandwidth = 5

3.3.1.2.1.1 Test Channel = MCH

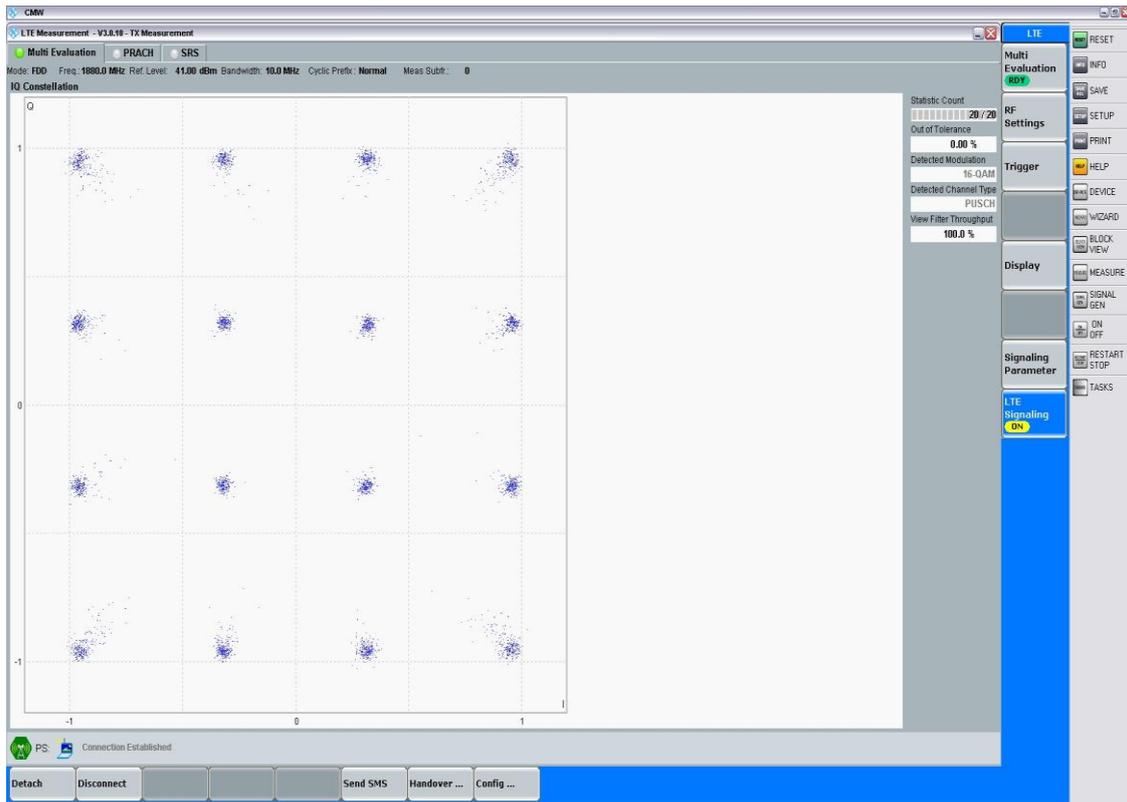
3.3.1.2.1.1.1 Test RB = RB25#0



3.3.1.2.2 Test Bandwidth = 10

3.3.1.2.2.1 Test Channel = MCH

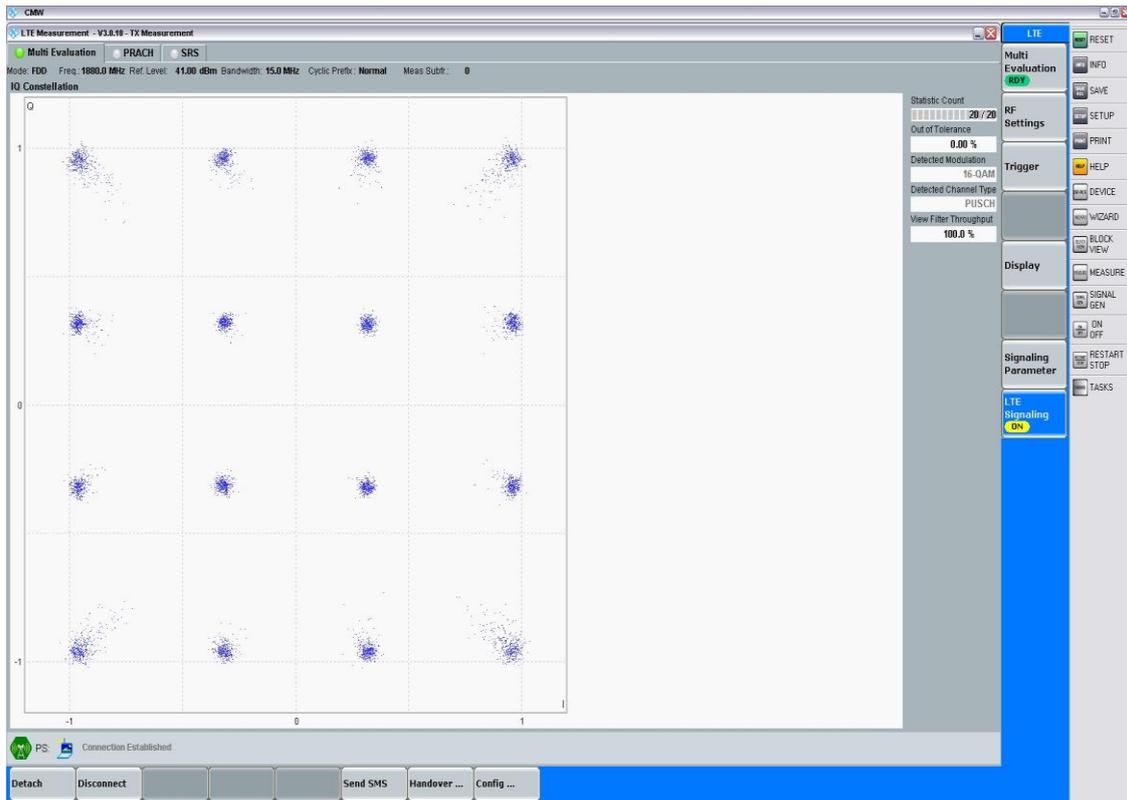
3.3.1.2.2.1.1 Test RB = RB50#0



3.3.1.2.3 Test Bandwidth = 15

3.3.1.2.3.1 Test Channel = MCH

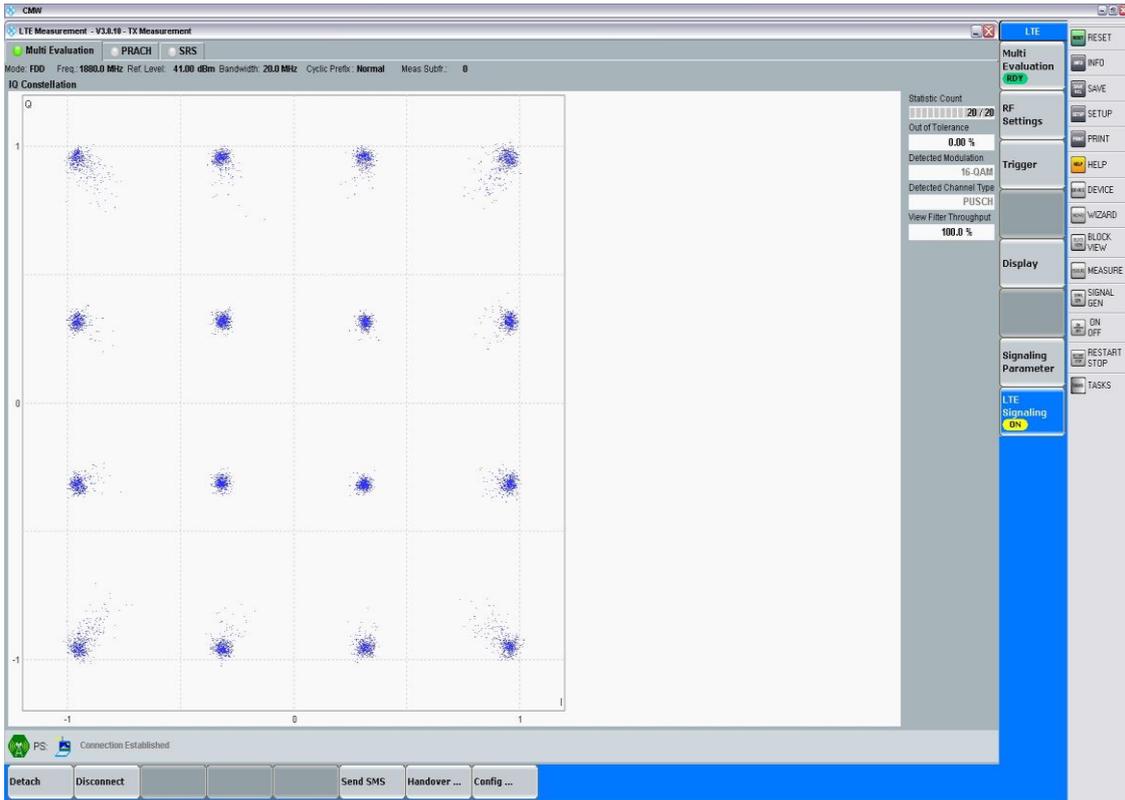
3.3.1.2.3.1.1 Test RB = RB75#0



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



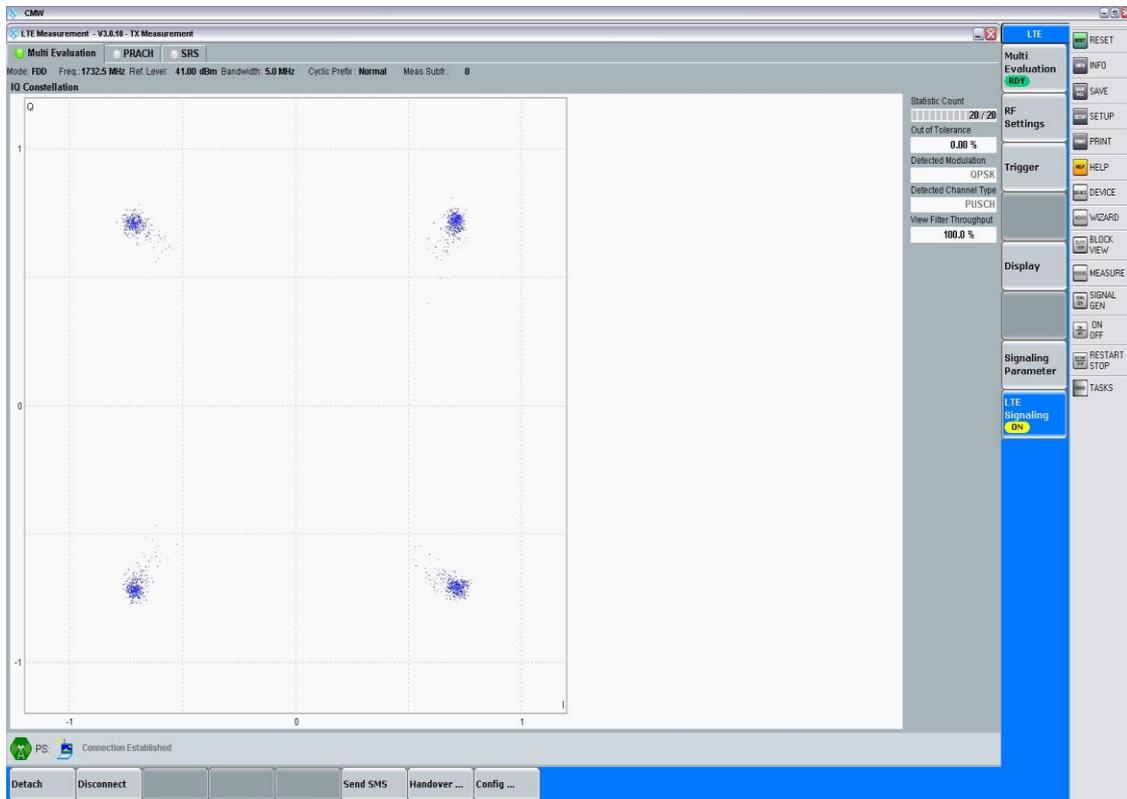
3.3.2 Test Band = BAND4

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

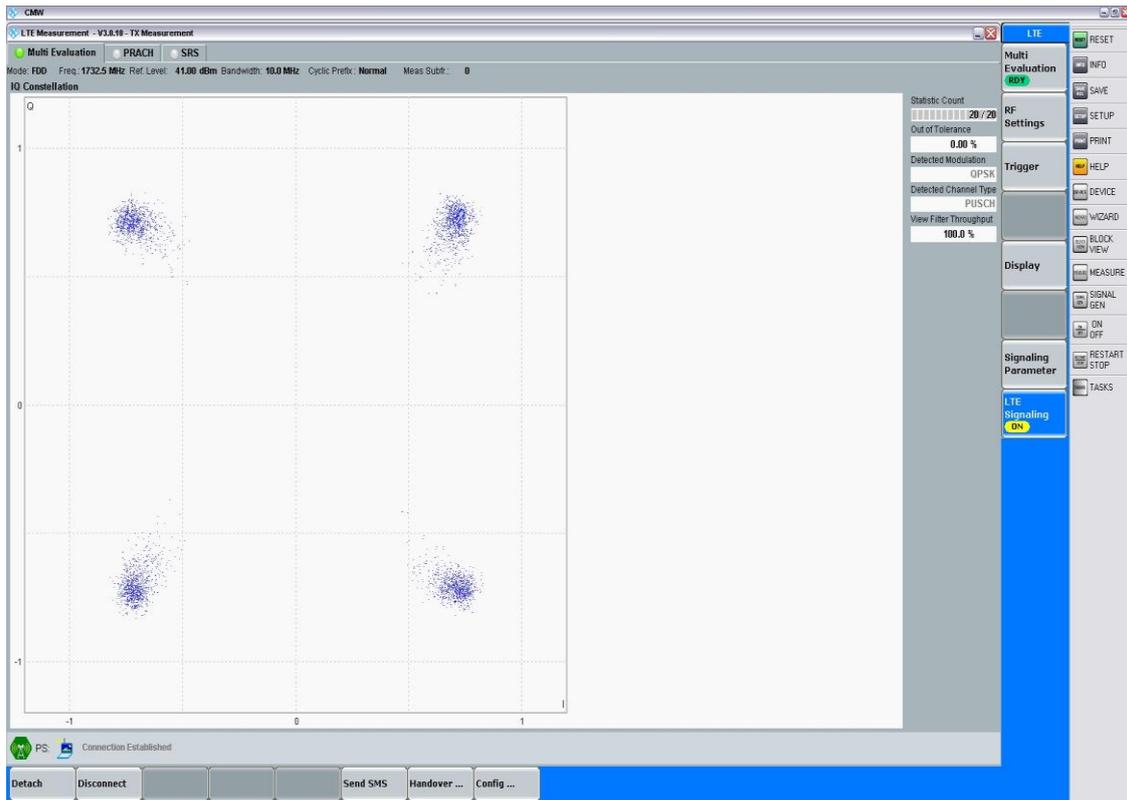
3.3.2.1.1.1.1 Test RB = RB25#0



3.3.2.1.2 Test Bandwidth = 10

3.3.2.1.2.1 Test Channel = MCH

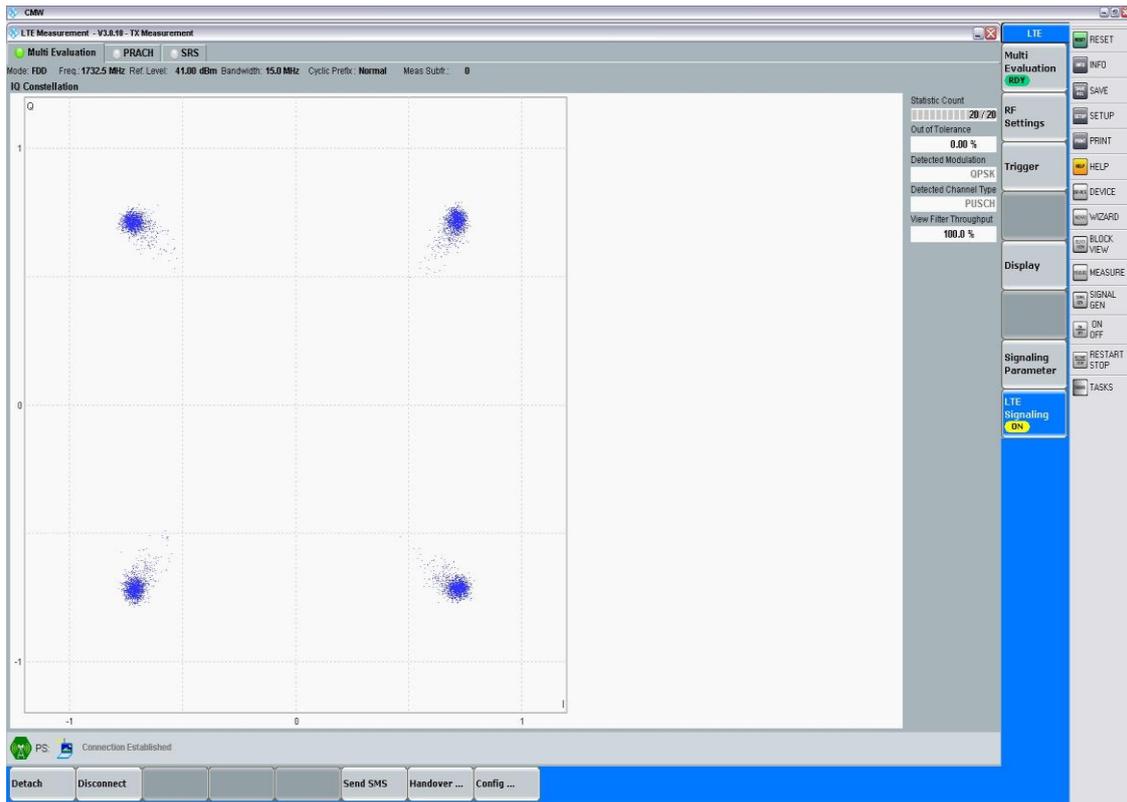
3.3.2.1.2.1.1 Test RB = RB50#0



3.3.2.1.3 Test Bandwidth = 15

3.3.2.1.3.1 Test Channel = MCH

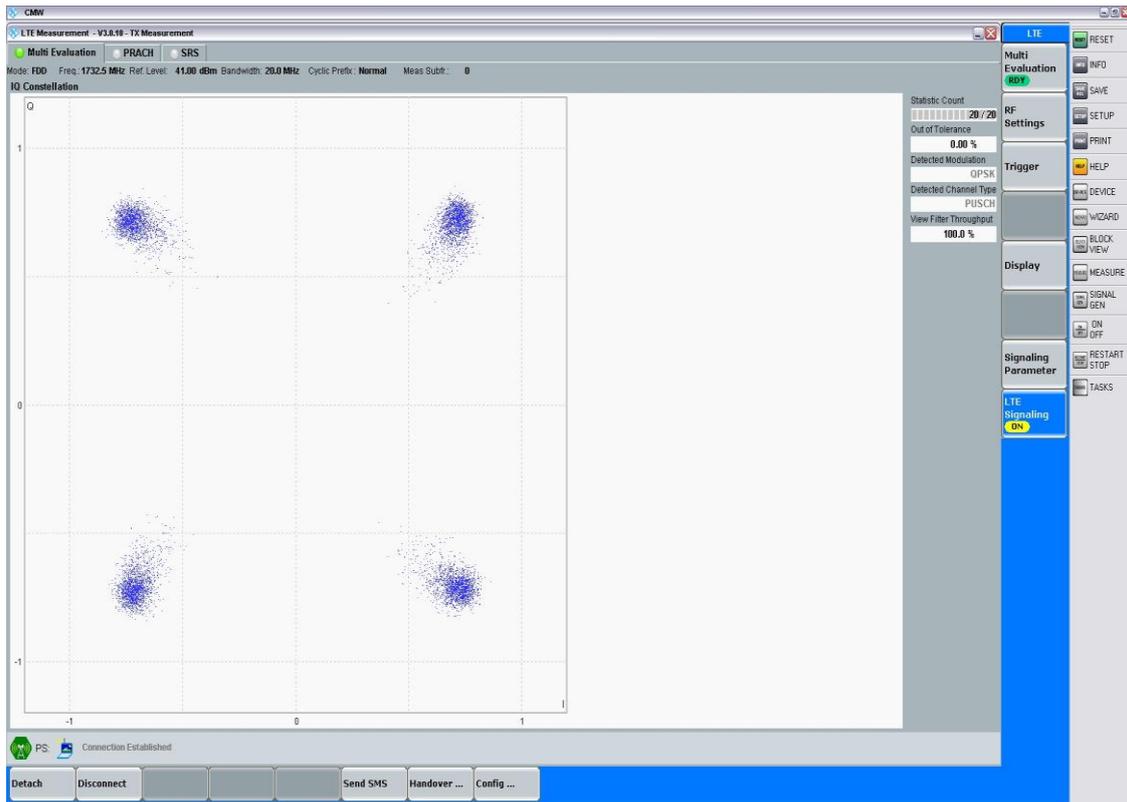
3.3.2.1.3.1.1 Test RB = RB75#0



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

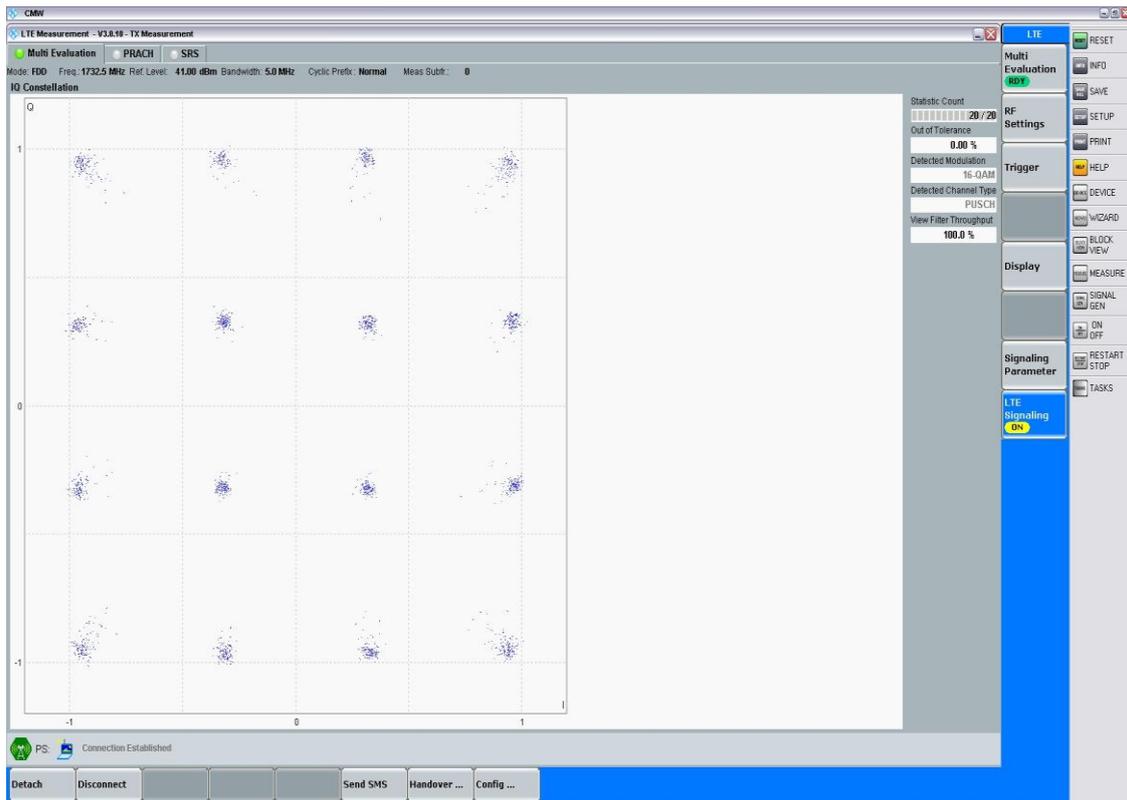


3.3.2.2 Test Mode = LTE/TM2

3.3.2.2.1 Test Bandwidth = 5

3.3.2.2.1.1 Test Channel = MCH

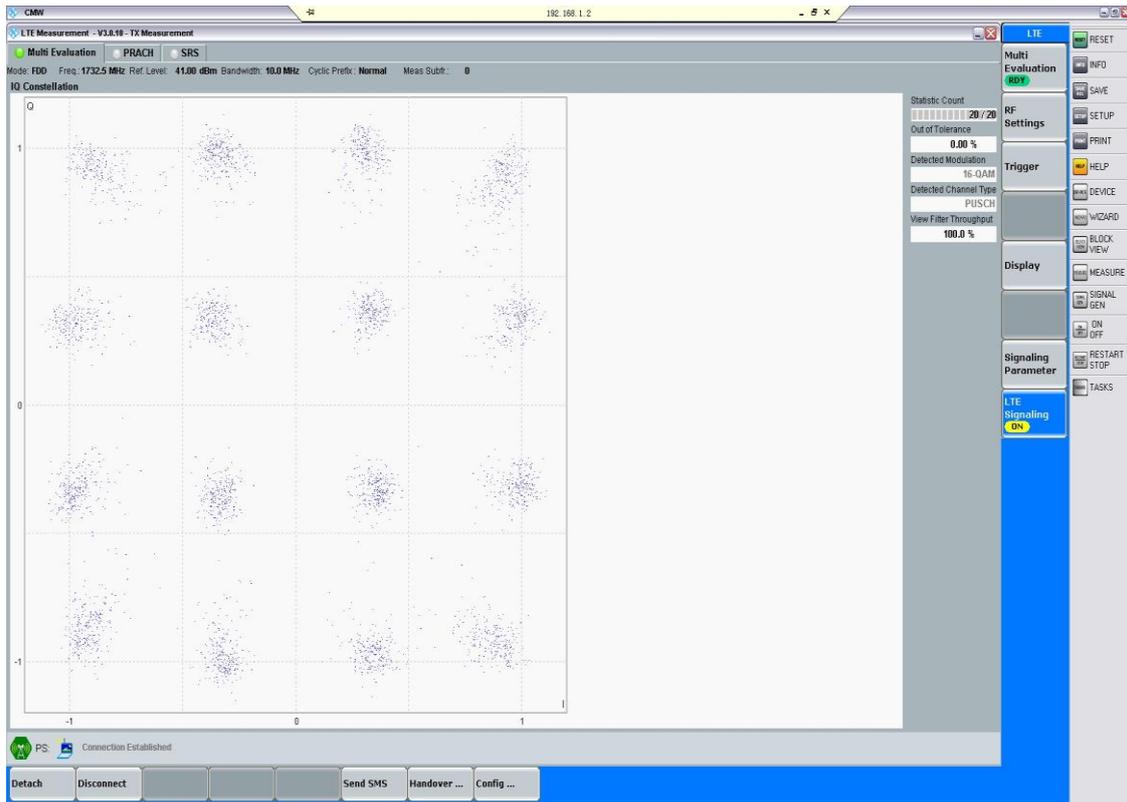
3.3.2.2.1.1.1 Test RB = RB25#0



3.3.2.2.2 Test Bandwidth = 10

3.3.2.2.2.1 Test Channel = MCH

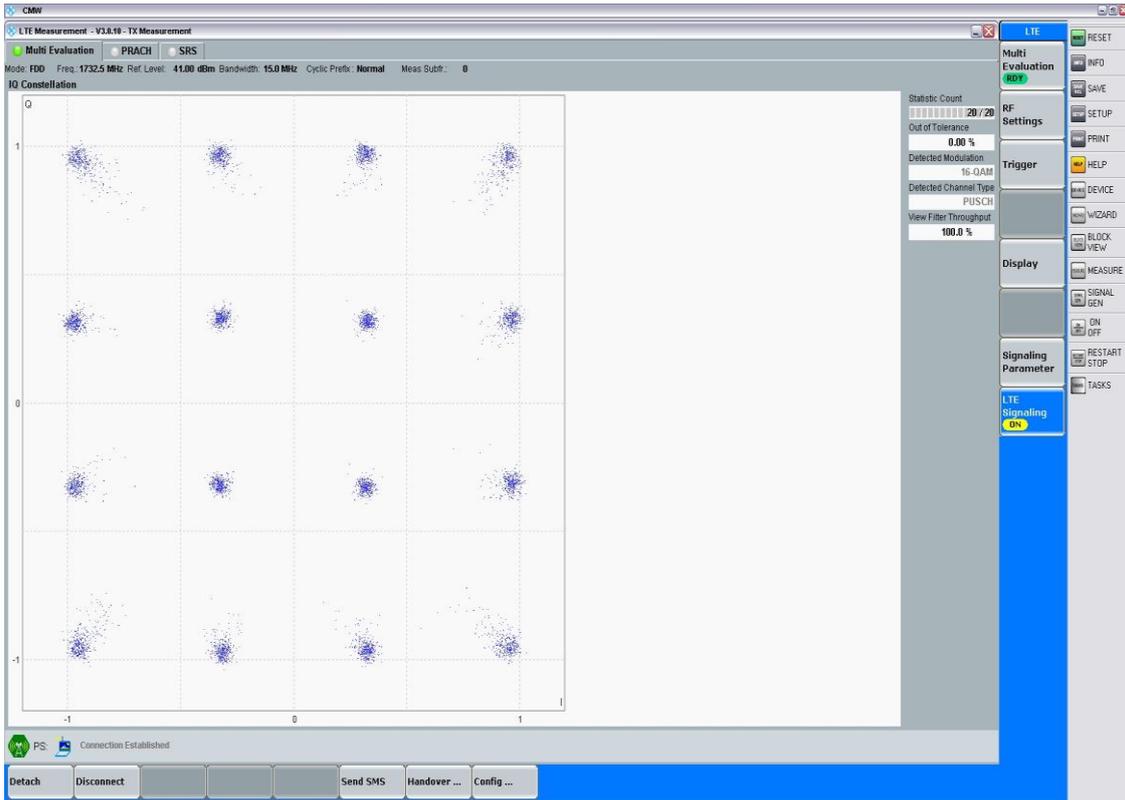
3.3.2.2.2.1.1 Test RB = RB50#0



3.3.2.2.3 Test Bandwidth = 15

3.3.2.2.3.1 Test Channel = MCH

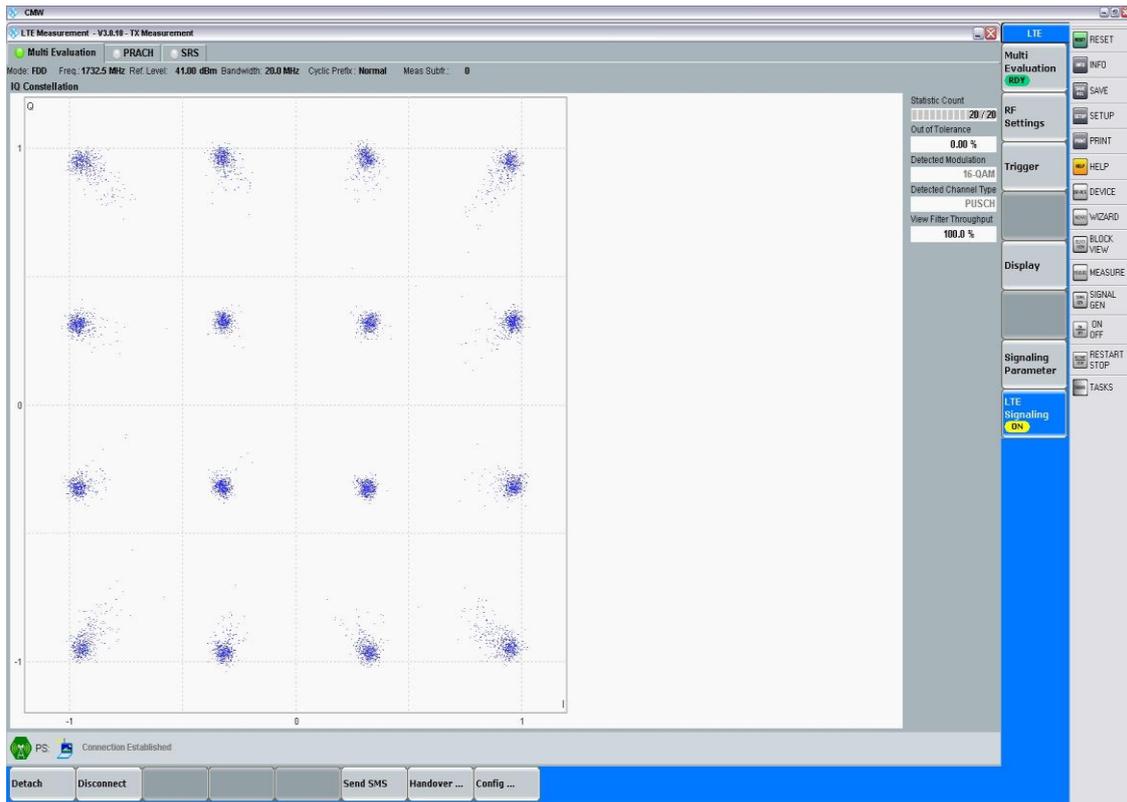
3.3.2.2.3.1.1 Test RB = RB75#0



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



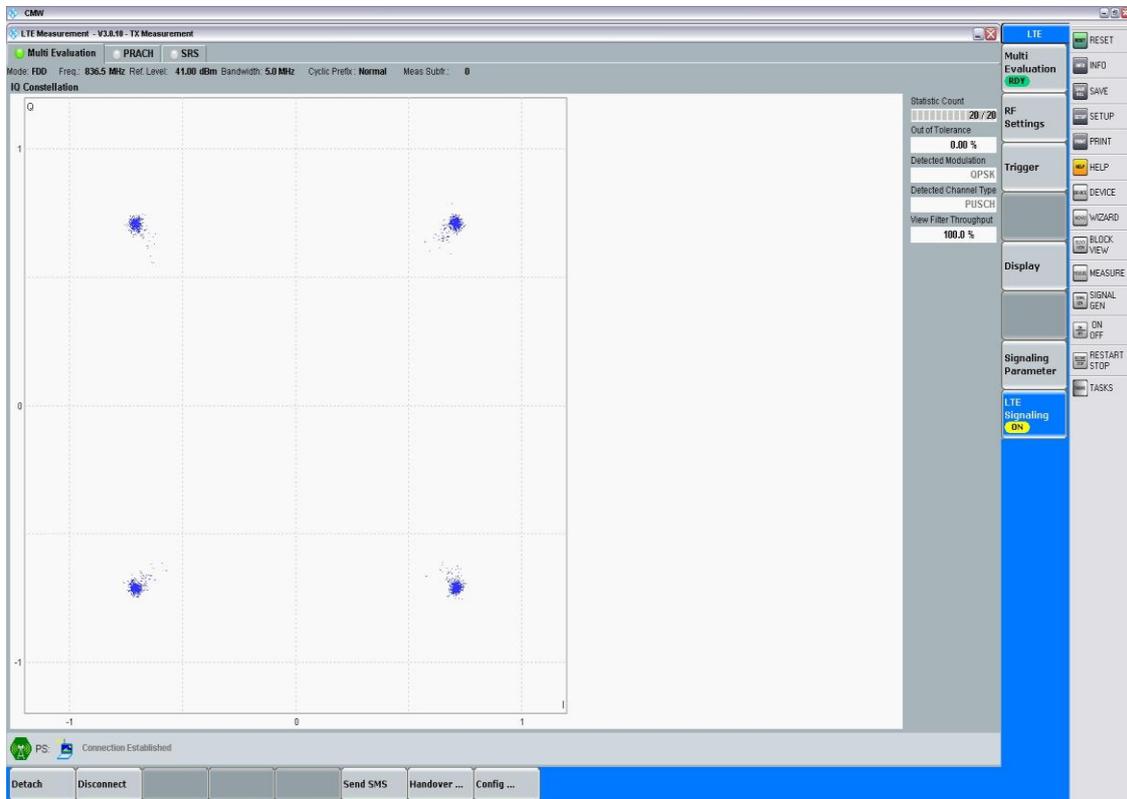
3.3.3 Test Band = BAND5

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

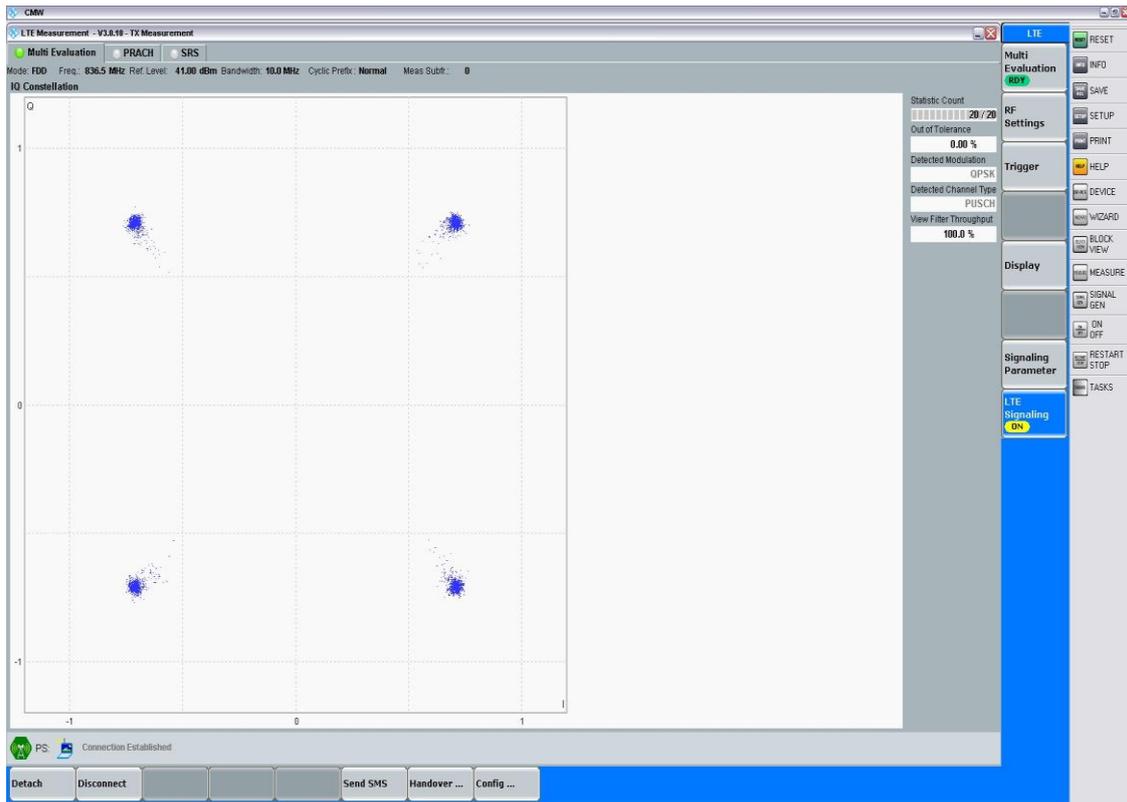
3.3.3.1.1.1.1 Test RB = RB25#0



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

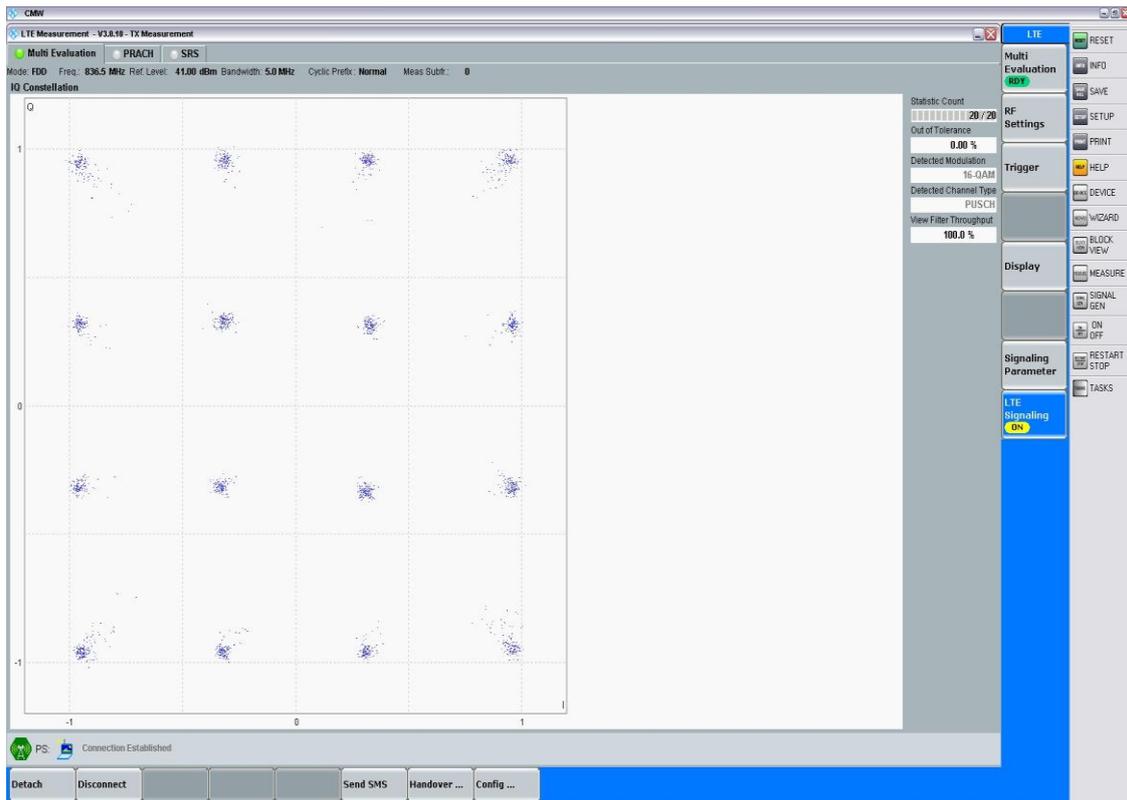


3.3.3.2 Test Mode = LTE/TM2

3.3.3.2.1 Test Bandwidth = 5

3.3.3.2.1.1 Test Channel = MCH

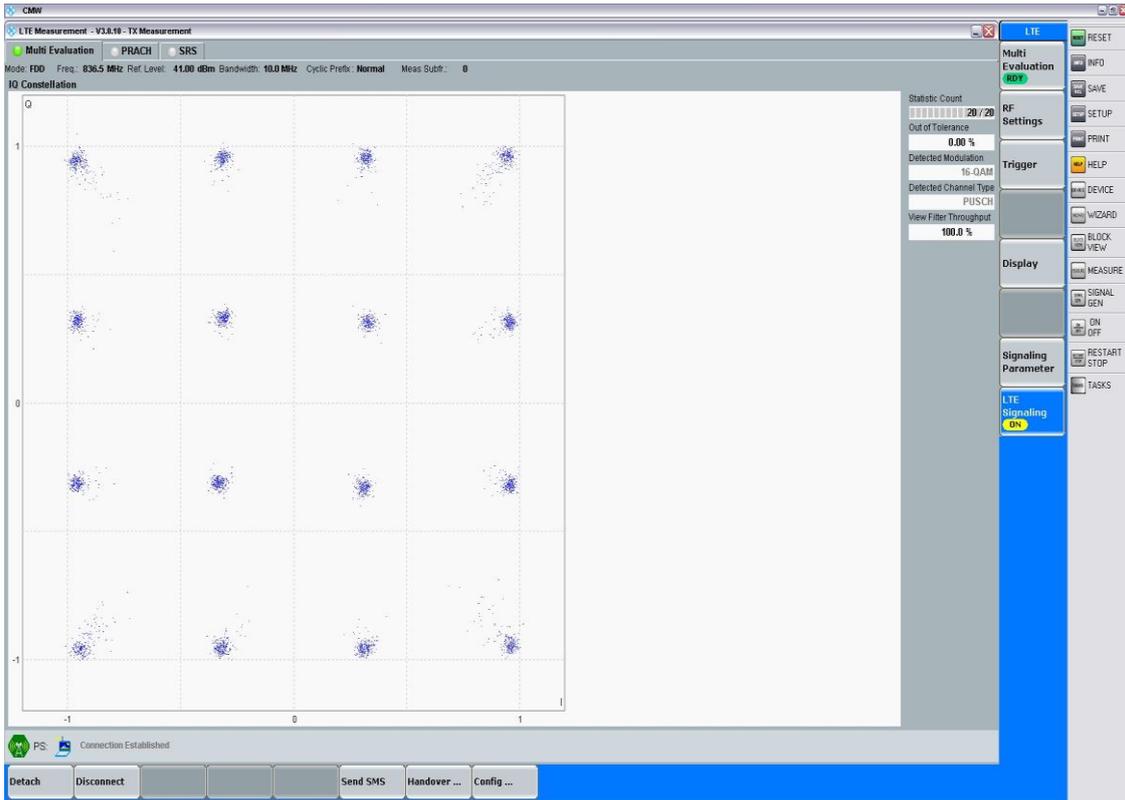
3.3.3.2.1.1.1 Test RB = RB25#0



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



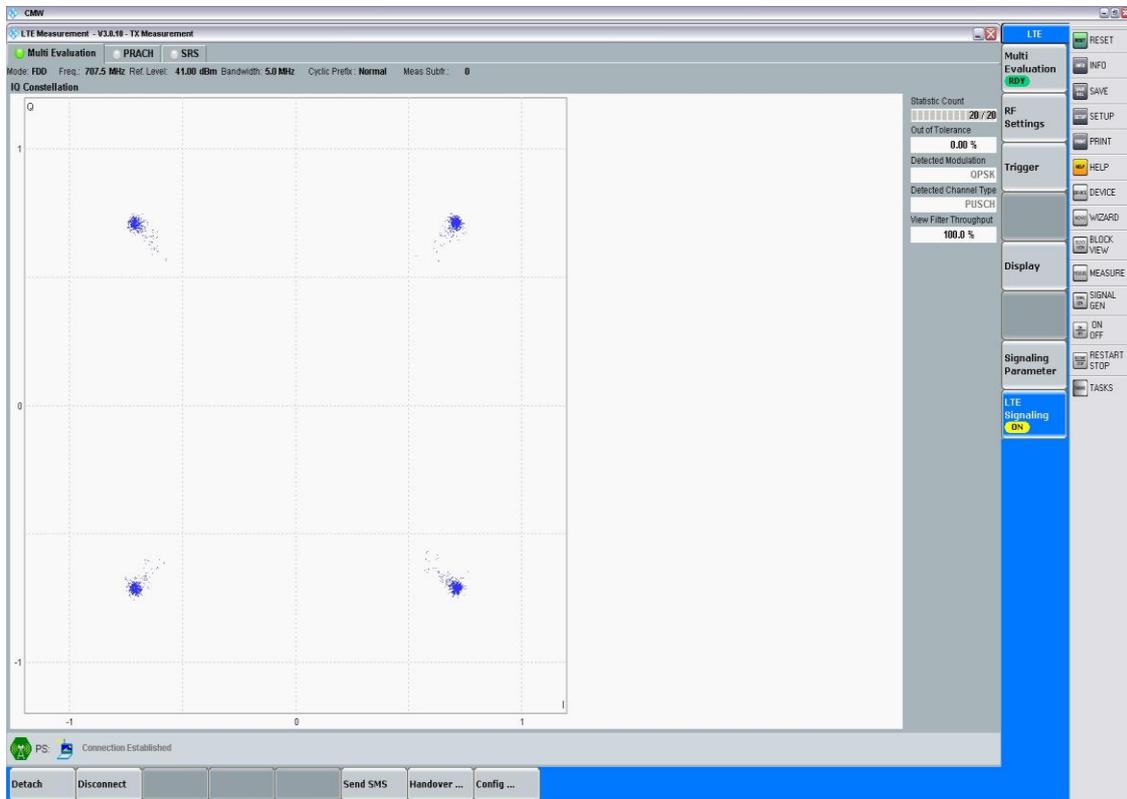
3.3.4 Test Band = BAND12

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

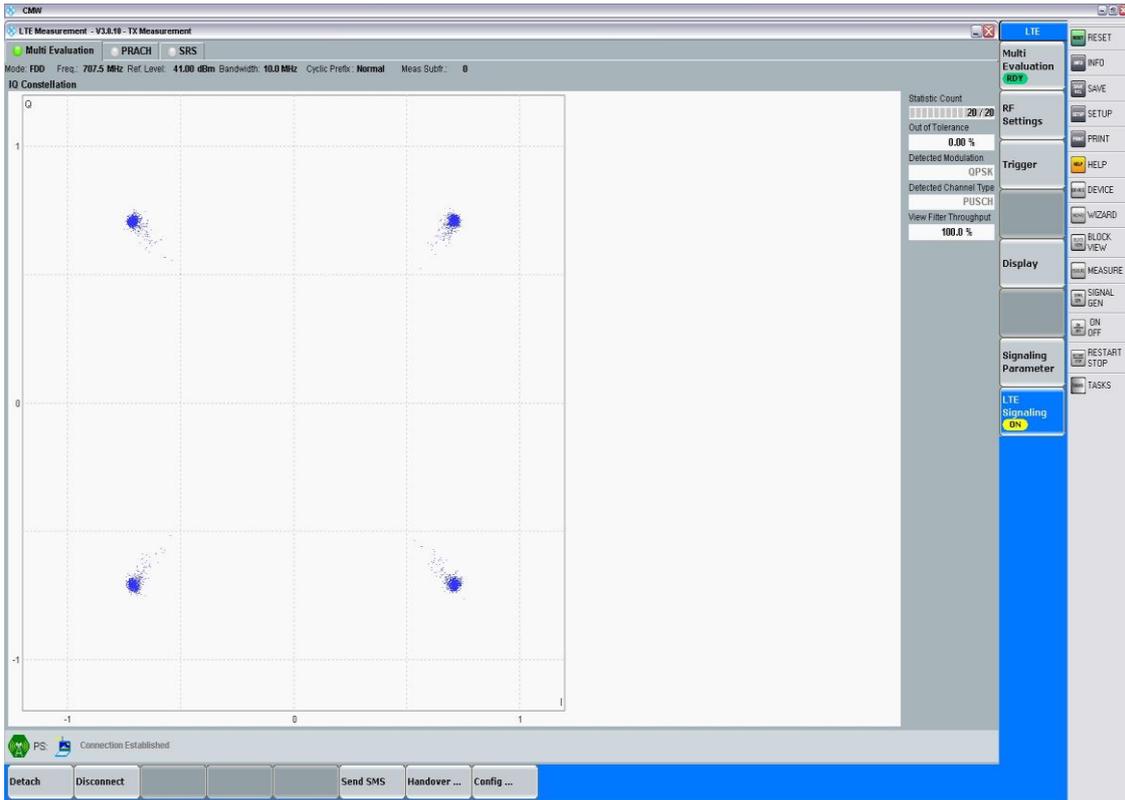
3.3.4.1.1.1.1 Test RB = RB25#0



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

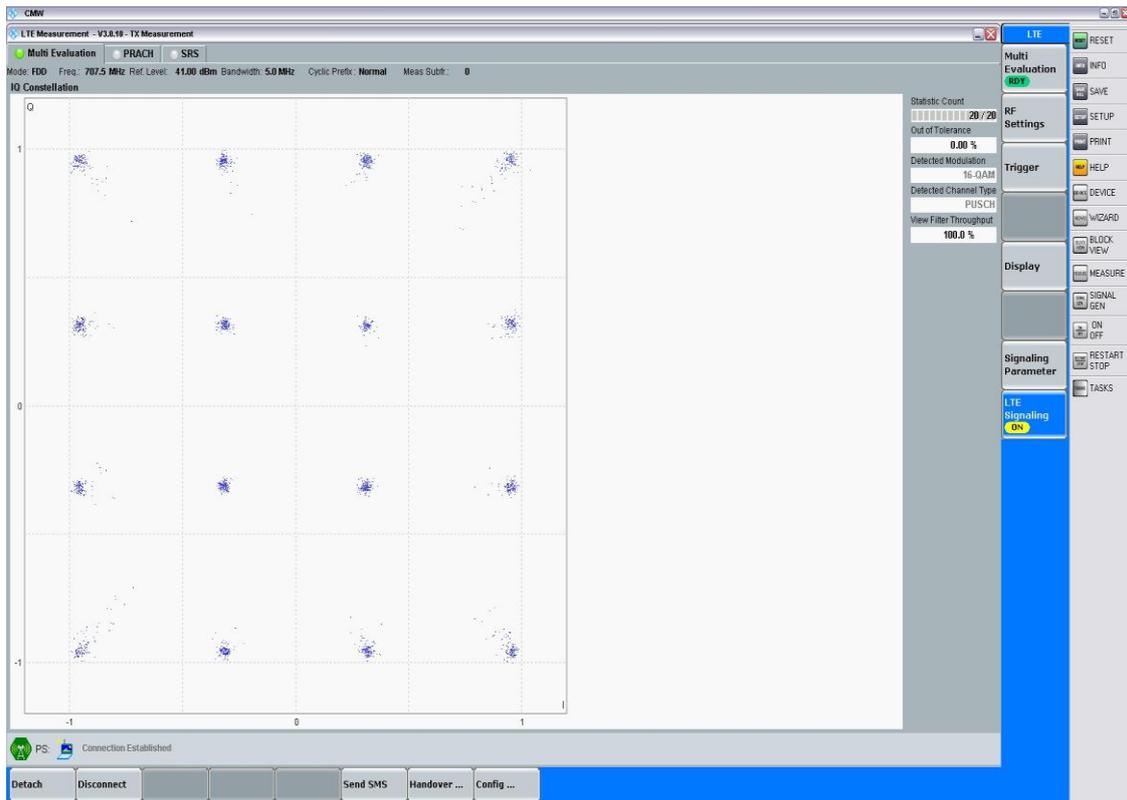


3.3.4.2 Test Mode = LTE/TM2

3.3.4.2.1 Test Bandwidth = 5

3.3.4.2.1.1 Test Channel = MCH

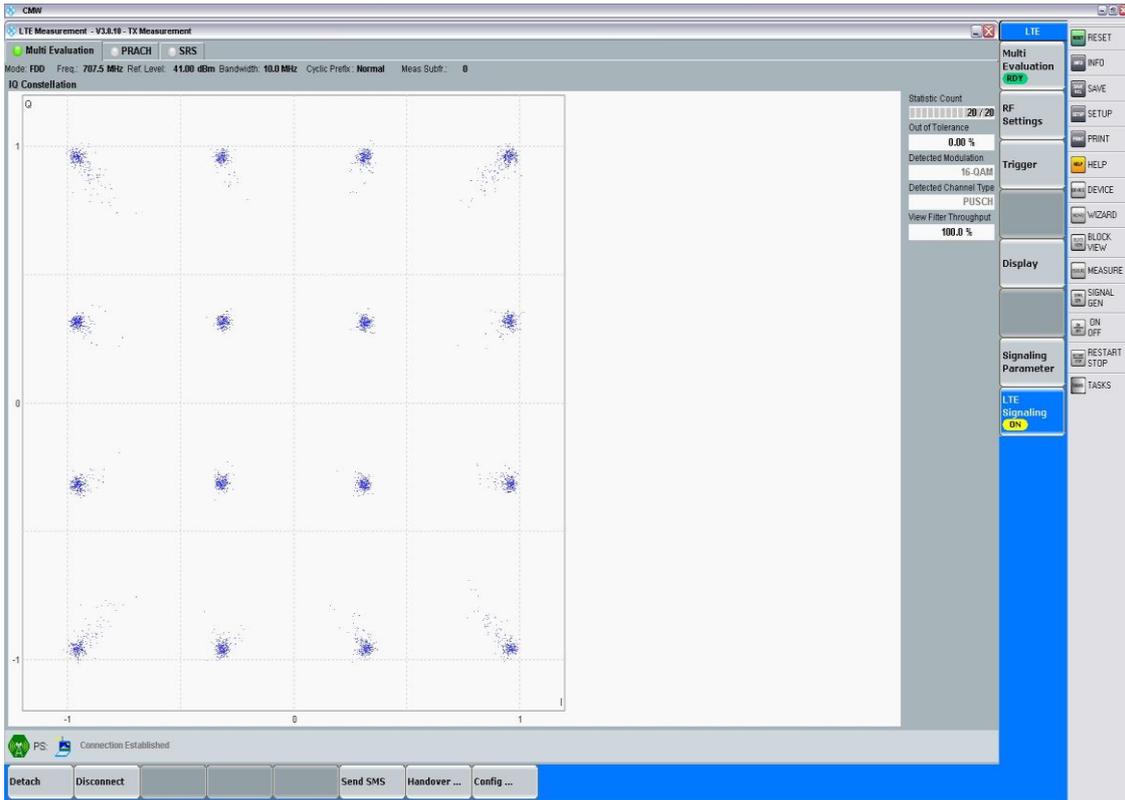
3.3.4.2.1.1.1 Test RB = RB25#0



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



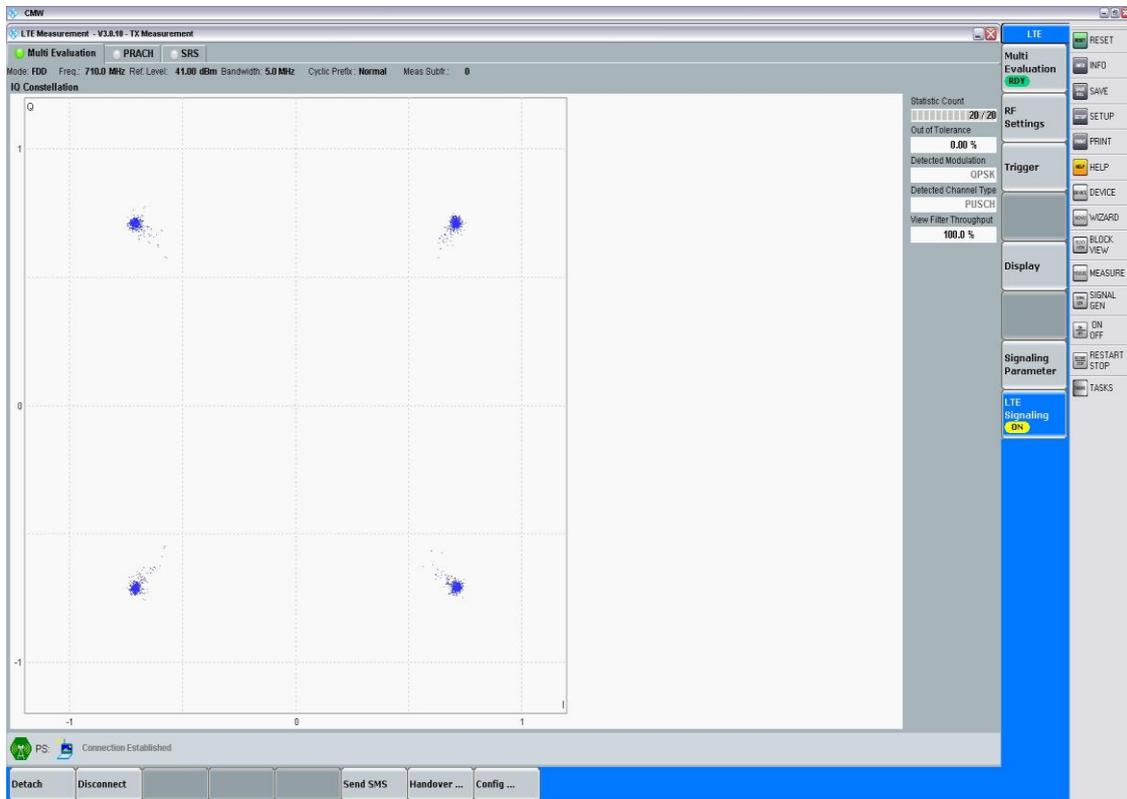
3.3.5 Test Band = BAND17

3.3.5.1 Test Mode = LTE/TM1

3.3.5.1.1 Test Bandwidth = 5

3.3.5.1.1.1 Test Channel = MCH

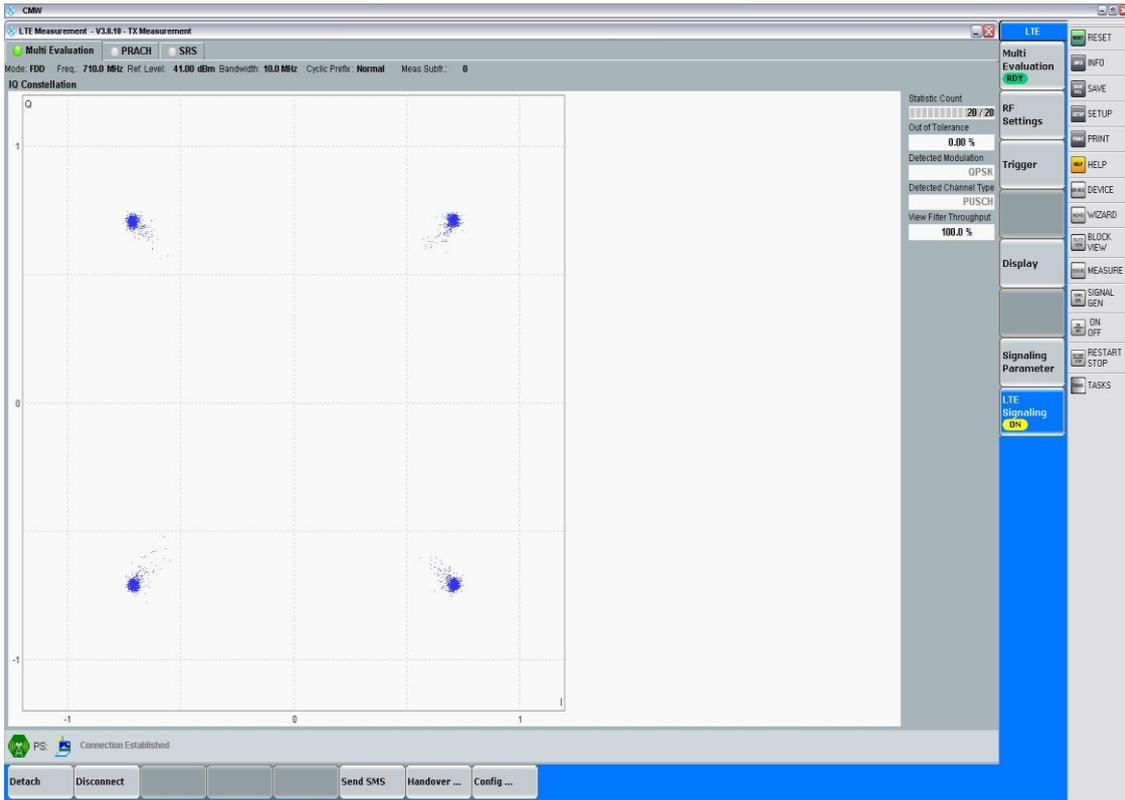
3.3.5.1.1.1.1 Test RB = RB25#0



3.3.5.1.2 Test Bandwidth = 10

3.3.5.1.2.1 Test Channel = MCH

3.3.5.1.2.1.1 Test RB = RB50#0

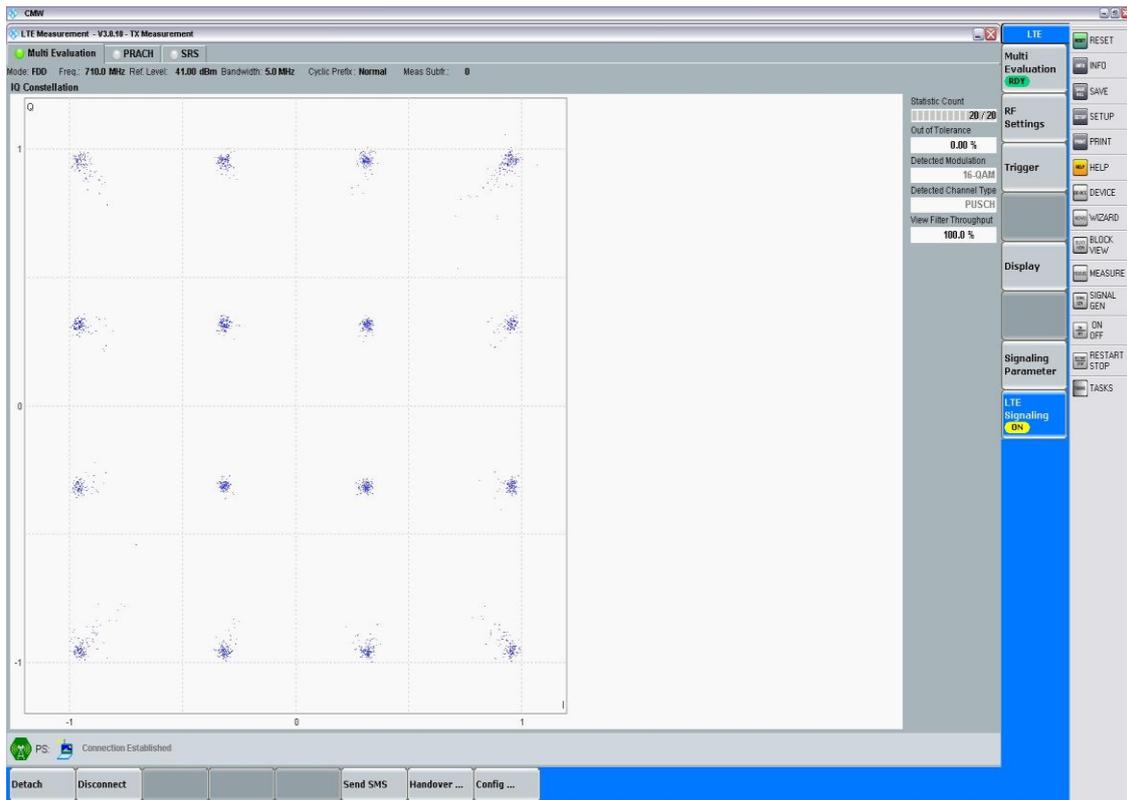


3.3.5.2 Test Mode = LTE/TM2

3.3.5.2.1 Test Bandwidth = 5

3.3.5.2.1.1 Test Channel = MCH

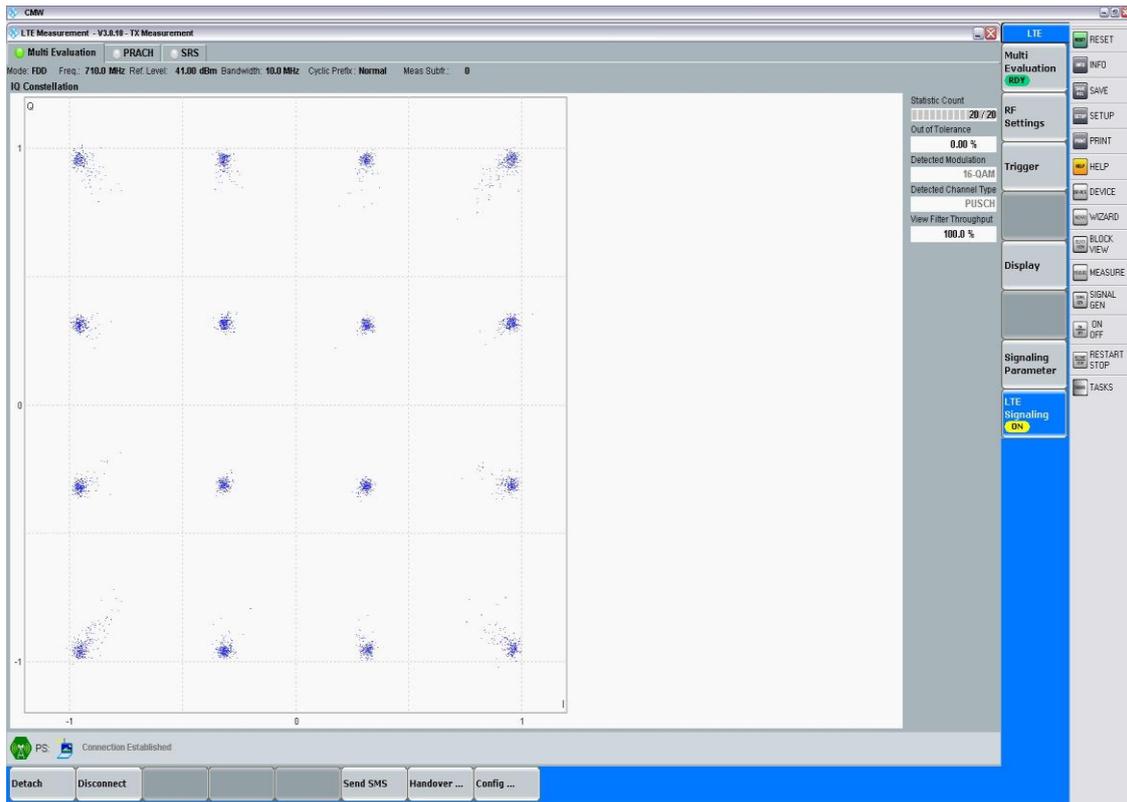
3.3.5.2.1.1.1 Test RB = RB25#0



3.3.5.2.2 Test Bandwidth = 10

3.3.5.2.2.1 Test Channel = MCH

3.3.5.2.2.1.1 Test RB = RB50#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	246.13	314.13	Pass
		MCH	248.16	316.65	Pass
		HCH	248.04	312.40	Pass
	GSM/TM2	LCH	244.99	317.34	Pass
		MCH	243.50	307.36	Pass
		HCH	247.05	317.06	Pass
GSM1900	GSM/TM1	LCH	246.21	318.19	Pass
		MCH	246.39	324.01	Pass
		HCH	248.45	321.55	Pass
	GSM/TM2	LCH	243.60	299.94	Pass
		MCH	249.74	324.56	Pass
		HCH	243.40	311.84	Pass
Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
WCDMA850	UMTS/TM1	LCH	4.16	4.74	Pass
		MCH	4.15	4.75	Pass
		HCH	4.14	4.72	Pass
WCDMA1900	UMTS/TM1	LCH	4.16	4.73	Pass
		MCH	4.15	4.73	Pass
		HCH	4.15	4.72	Pass
WCDMA1700	UMTS/TM1	LCH	4.15	4.74	Pass
		MCH	4.15	4.75	Pass
		HCH	4.15	4.74	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	4.90	Pass
			MCH	RB25#0	4.50	4.90	Pass
			HCH	RB25#0	4.50	4.87	Pass
		10	LCH	RB50#0	8.97	9.63	Pass
			MCH	RB50#0	8.97	9.67	Pass
			HCH	RB50#0	8.96	9.63	Pass
		15	LCH	RB75#0	13.47	14.52	Pass
			MCH	RB75#0	13.47	14.46	Pass
			HCH	RB75#0	13.46	14.42	Pass
		20	LCH	RB100#0	17.97	19.04	Pass
			MCH	RB100#0	17.97	19.25	Pass
			HCH	RB100#0	17.94	19.13	Pass
	LTE/TM2	5	LCH	RB25#0	4.50	4.89	Pass
			MCH	RB25#0	4.50	4.89	Pass
			HCH	RB25#0	4.50	4.87	Pass
		10	LCH	RB50#0	8.97	9.59	Pass
			MCH	RB50#0	8.97	9.61	Pass
			HCH	RB50#0	8.96	9.63	Pass
		15	LCH	RB75#0	13.47	14.68	Pass
			MCH	RB75#0	13.48	14.55	Pass
			HCH	RB75#0	13.46	14.50	Pass
		20	LCH	RB100#0	17.97	19.23	Pass
			MCH	RB100#0	17.96	19.22	Pass
			HCH	RB100#0	17.95	19.24	Pass
BAND4	LTE/TM1	5	LCH	RB25#0	4.50	4.89	Pass
			MCH	RB25#0	4.50	4.90	Pass
			HCH	RB25#0	4.50	4.90	Pass
		10	LCH	RB50#0	8.98	9.65	Pass
			MCH	RB50#0	8.98	9.68	Pass
			HCH	RB50#0	8.98	9.68	Pass
		15	LCH	RB75#0	13.63	25.05	Pass
			MCH	RB75#0	13.51	14.72	Pass
			HCH	RB75#0	13.48	14.61	Pass
	20	LCH	RB100#0	17.98	19.22	Pass	
		MCH	RB100#0	17.99	19.31	Pass	
		HCH	RB100#0	17.98	19.13	Pass	
	LTE/TM2	5	LCH	RB25#0	4.55	8.62	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	4.50	4.90	Pass
		10	LCH	RB50#0	9.05	16.53	Pass
			MCH	RB50#0	8.98	9.68	Pass
			HCH	RB50#0	8.98	9.68	Pass
		15	LCH	RB75#0	13.49	14.51	Pass
			MCH	RB75#0	13.51	14.70	Pass
			HCH	RB75#0	13.48	14.59	Pass
		20	LCH	RB100#0	17.97	19.36	Pass
			MCH	RB100#0	17.98	19.30	Pass
			HCH	RB100#0	17.97	19.23	Pass
		BAND5	LTE/TM1	5	LCH	RB25#0	4.49
MCH	RB25#0				4.50	4.86	Pass
HCH	RB25#0				4.49	4.85	Pass
10	LCH			RB50#0	8.97	9.58	Pass
	MCH			RB50#0	8.97	9.62	Pass
	HCH			RB50#0	8.97	9.62	Pass
LTE/TM2	5		LCH	RB25#0	4.49	4.87	Pass
			MCH	RB25#0	4.50	4.88	Pass
			HCH	RB25#0	4.50	4.88	Pass
	10		LCH	RB50#0	8.97	9.65	Pass
			MCH	RB50#0	8.97	9.65	Pass
			HCH	RB50#0	8.96	9.61	Pass
BAND12	LTE/TM1	5	LCH	RB25#0	4.49	4.87	Pass
			MCH	RB25#0	4.49	4.84	Pass
			HCH	RB25#0	4.49	4.84	Pass
		10	LCH	RB50#0	8.97	9.64	Pass
			MCH	RB50#0	8.96	9.59	Pass
			HCH	RB50#0	8.97	9.61	Pass
	LTE/TM2	5	LCH	RB25#0	4.50	4.88	Pass
			MCH	RB25#0	4.49	4.87	Pass
			HCH	RB25#0	4.49	4.87	Pass
		10	LCH	RB50#0	8.97	9.60	Pass
			MCH	RB50#0	8.96	9.58	Pass
			HCH	RB50#0	8.98	9.58	Pass
BAND17	LTE/TM1	5	LCH	RB25#0	4.49	4.83	Pass
			MCH	RB25#0	4.49	4.84	Pass
			HCH	RB25#0	4.49	4.86	Pass



Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
		10	LCH	RB50#0	8.95	9.61	Pass
			MCH	RB50#0	8.96	9.62	Pass
			HCH	RB50#0	8.96	9.59	Pass
	LTE/TM2	5	LCH	RB25#0	4.50	4.87	Pass
			MCH	RB25#0	4.50	4.88	Pass
			HCH	RB25#0	4.49	4.87	Pass
		10	LCH	RB50#0	8.94	9.58	Pass
			MCH	RB50#0	8.96	9.60	Pass
			HCH	RB50#0	8.96	9.60	Pass



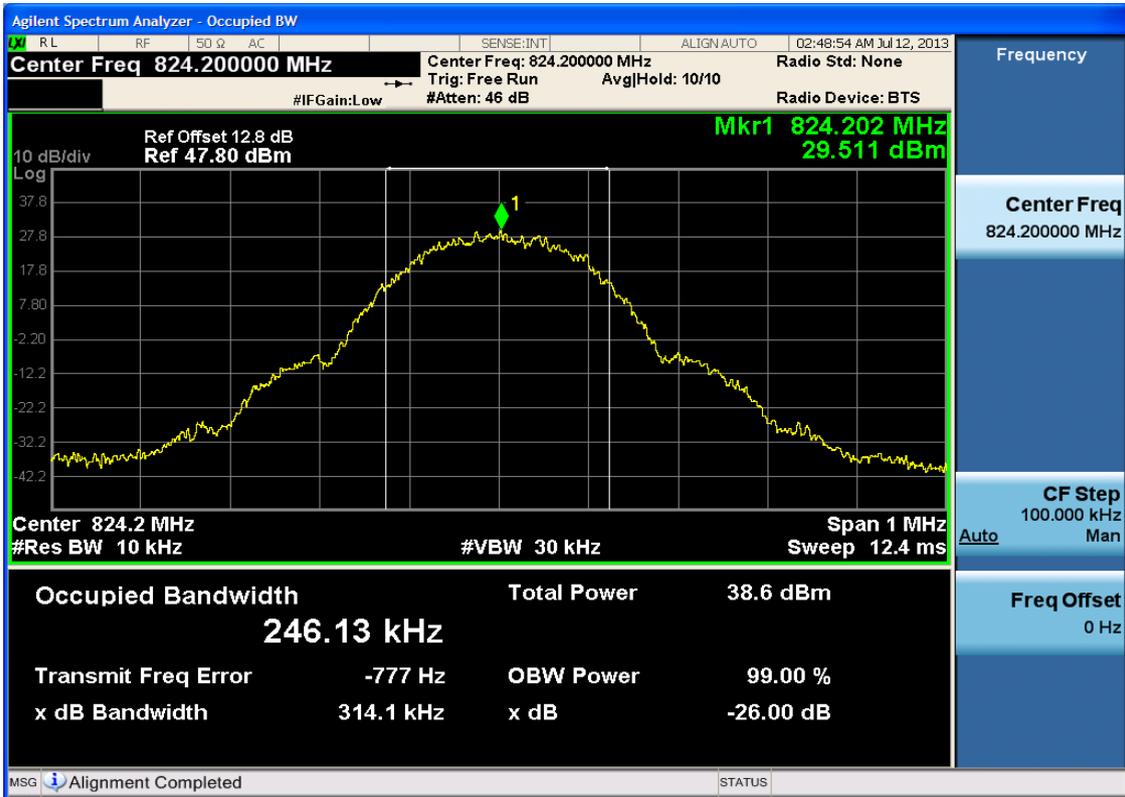
Part II - Test Plots

4.1 For GSM

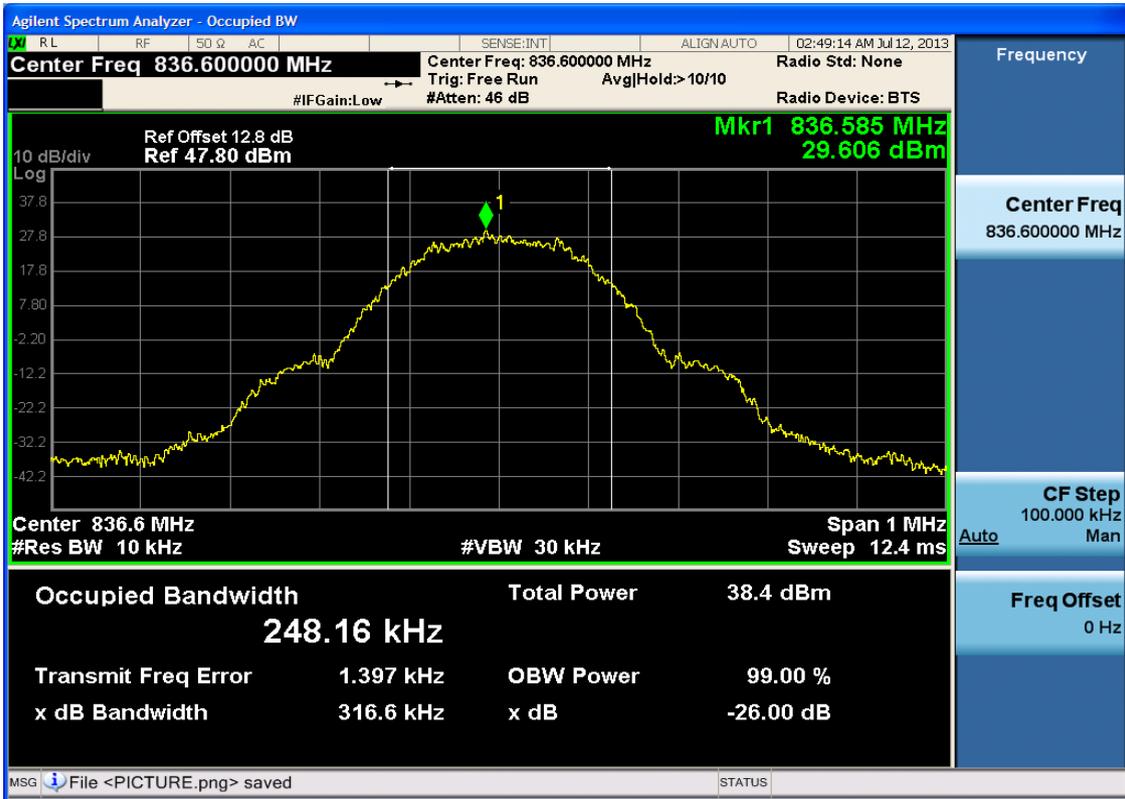
4.1.1 Test Band = GSM850

4.1.1.1 Test Mode = GSM/TM1

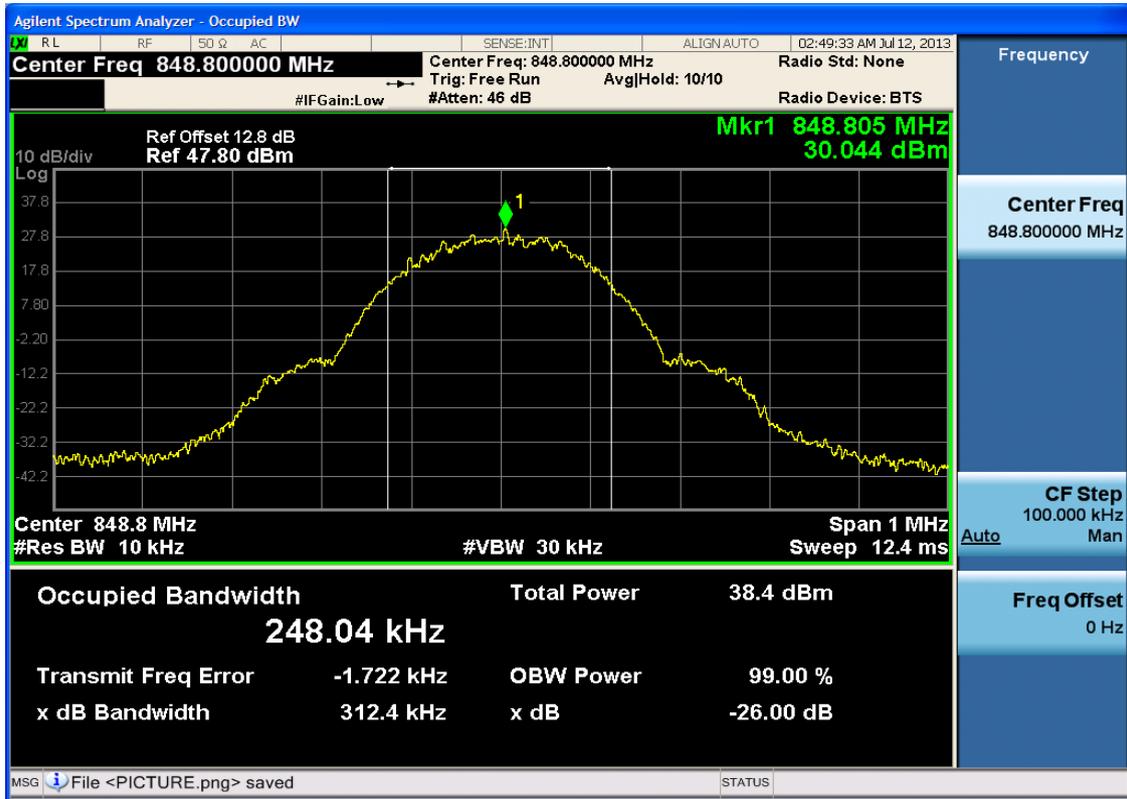
4.1.1.1.1 Test Channel = LCH



4.1.1.1.2 Test Channel = MCH



4.1.1.1.3 Test Channel = HCH





4.1.1.2 Test Mode = GSM/TM2

4.1.1.2.1 Test Channel = LCH



4.1.1.2.2 Test Channel = MCH



4.1.1.2.3 Test Channel = HCH

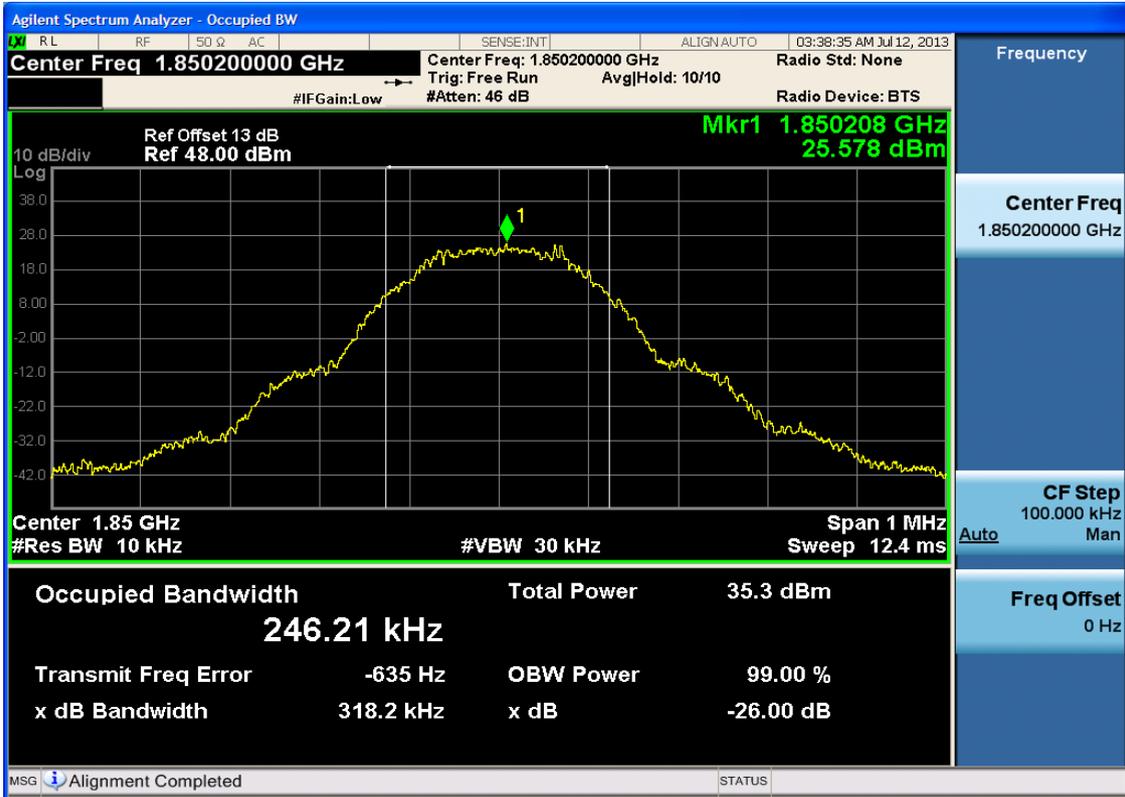




4.1.2 Test Band = GSM1900

4.1.2.1 Test Mode = GSM/TM1

4.1.2.1.1 Test Channel = LCH



4.1.2.1.2 Test Channel = MCH



4.1.2.1.3 Test Channel = HCH



4.1.2.2 Test Mode = GSM/TM2

4.1.2.2.1 Test Channel = LCH



4.1.2.2.2 Test Channel = MCH



4.1.2.2.3 Test Channel = HCH



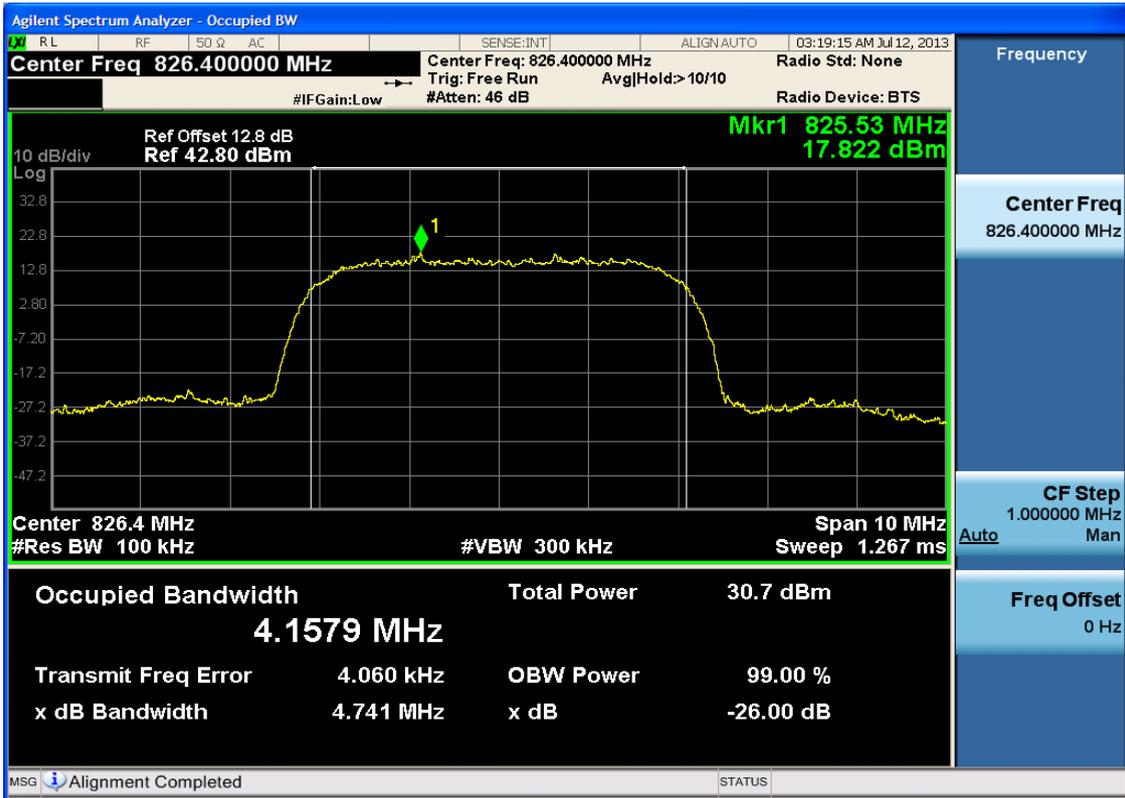


4.2 For UMTS

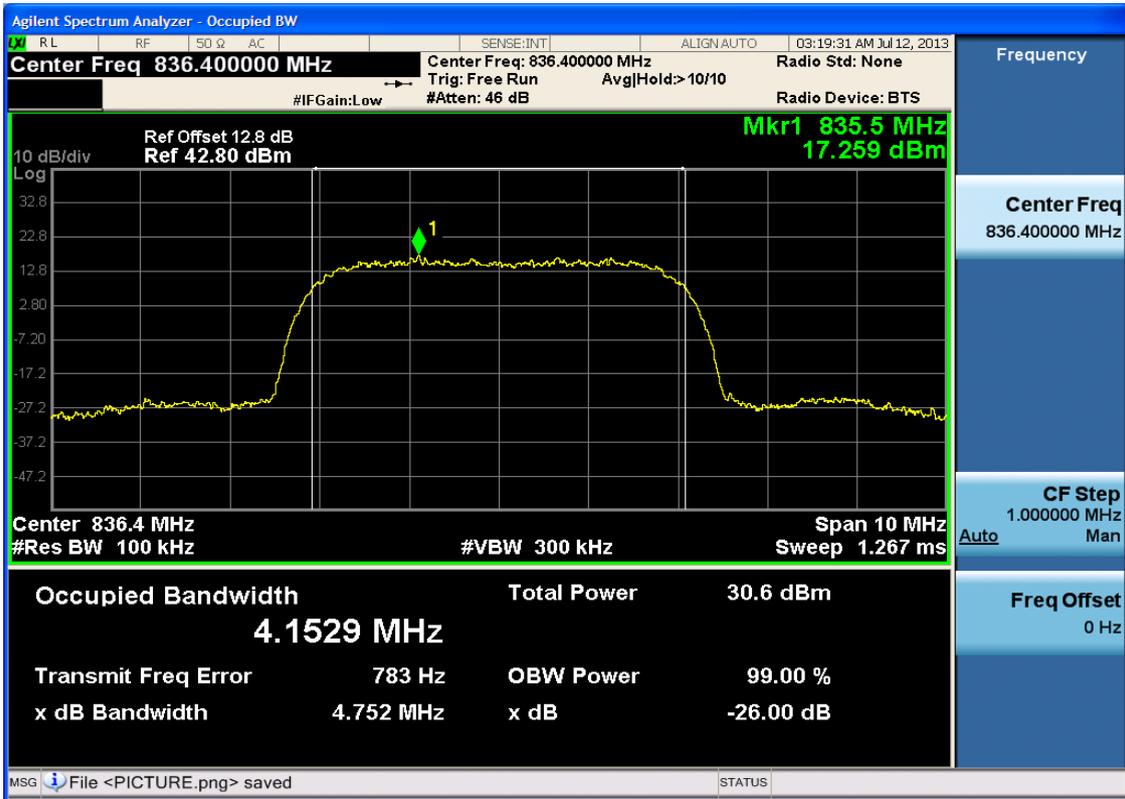
4.2.1 Test Band = WCDMA850

4.2.1.1 Test Mode = UMTS/TM1

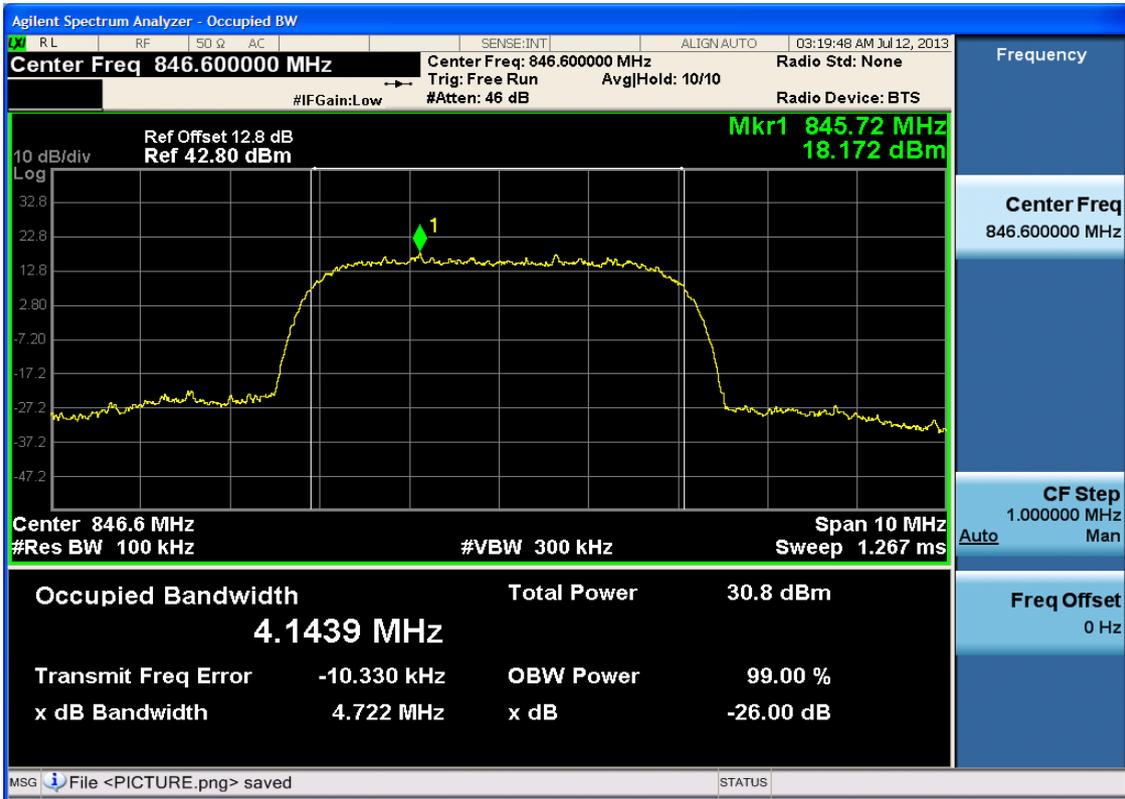
4.2.1.1.1 Test Channel = LCH



4.2.1.1.2 Test Channel = MCH



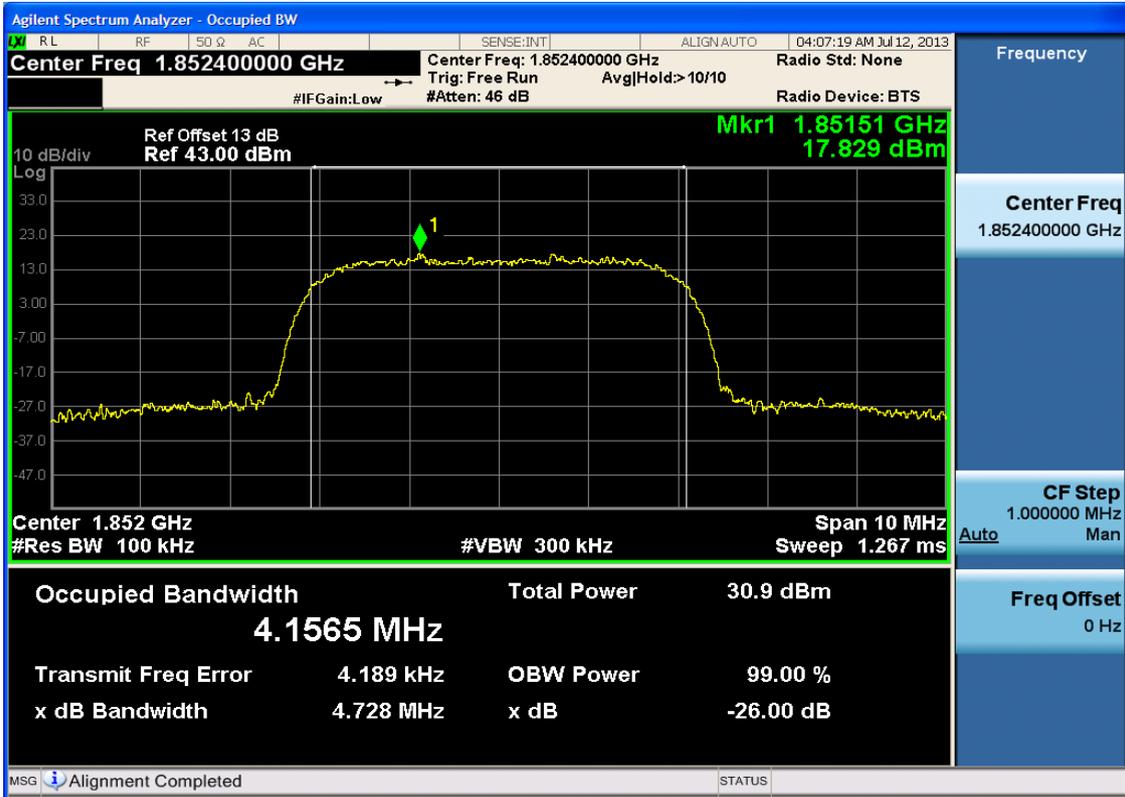
4.2.1.1.3 Test Channel = HCH



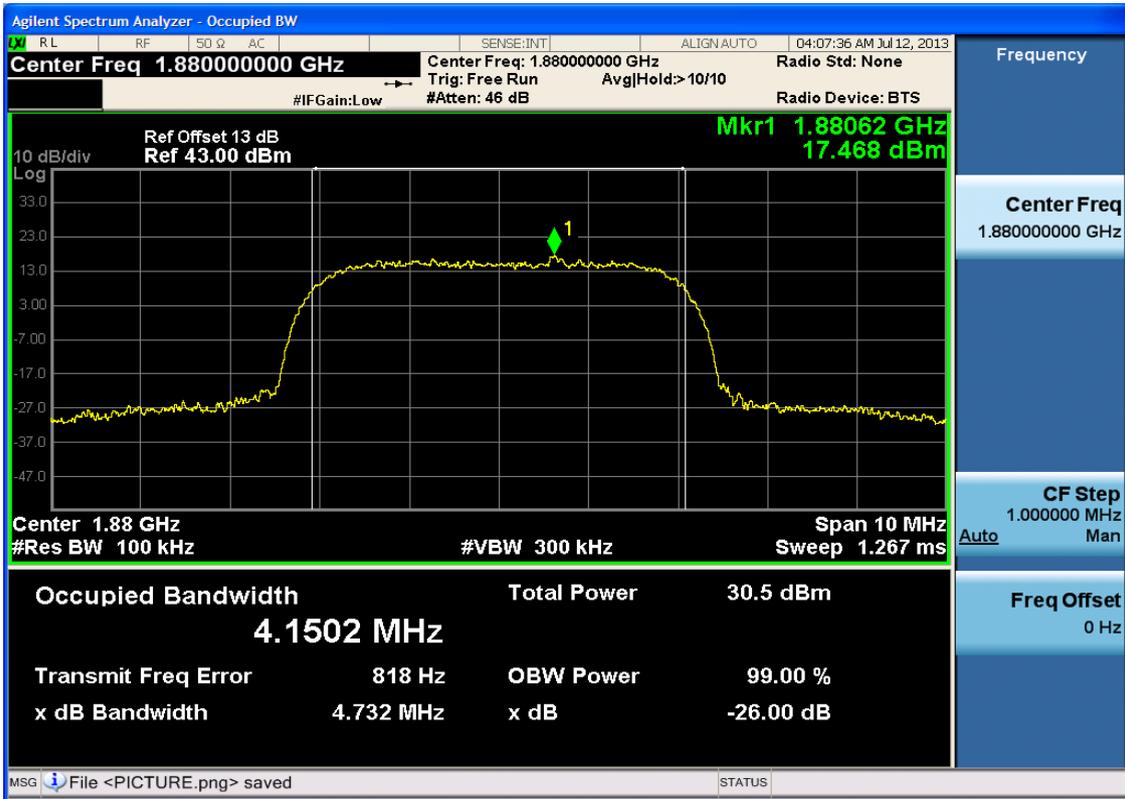
4.2.2 Test Band = WCDMA1900

4.2.2.1 Test Mode = UMTS/TM1

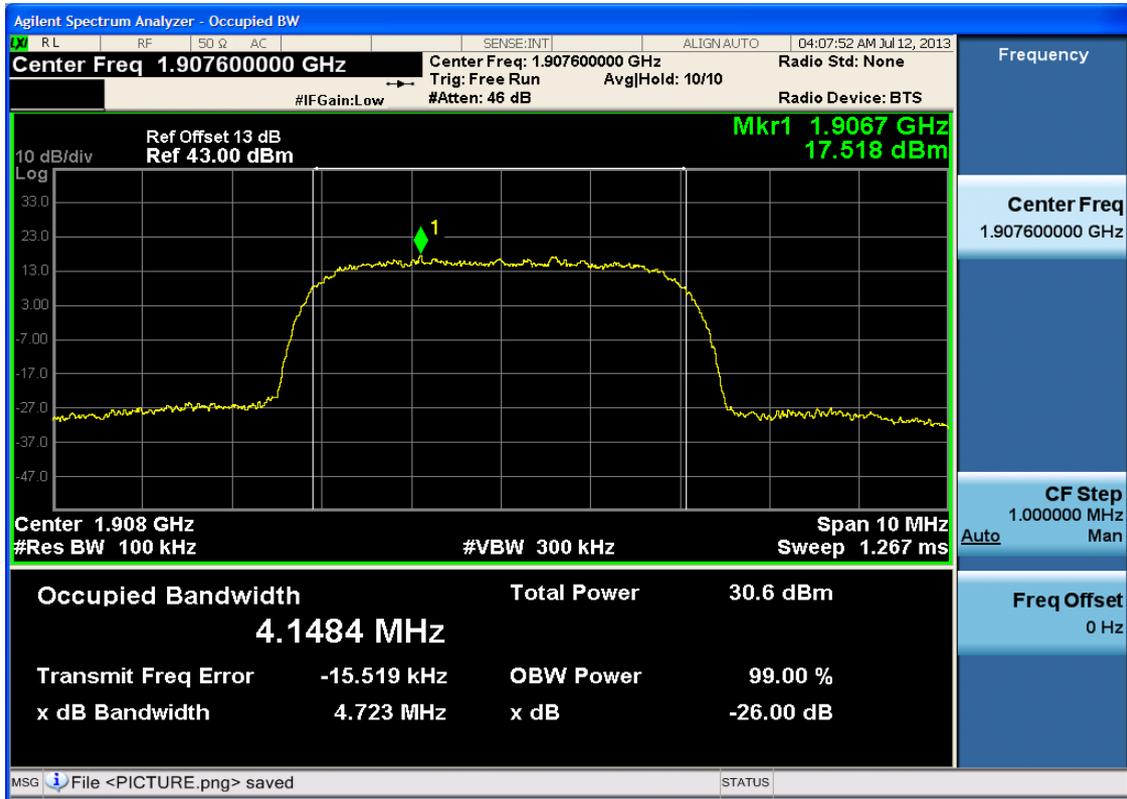
4.2.2.1.1 Test Channel = LCH



4.2.2.1.2 Test Channel = MCH



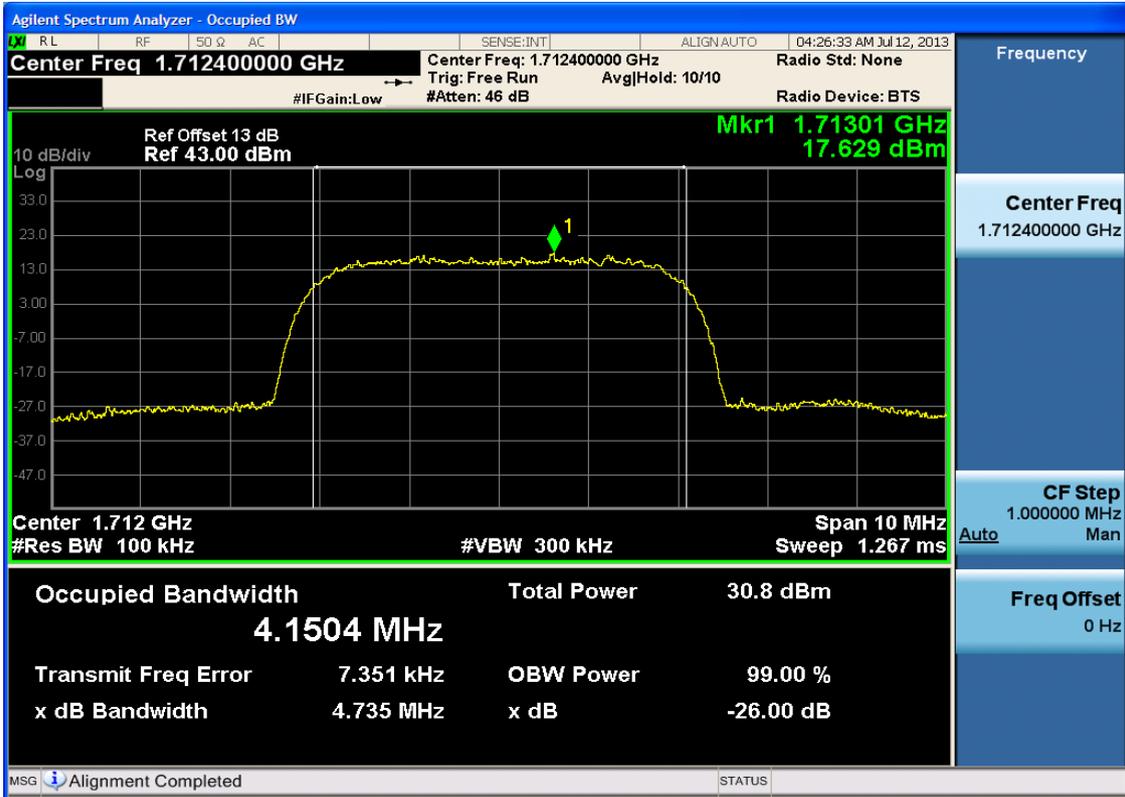
4.2.2.1.3 Test Channel = HCH



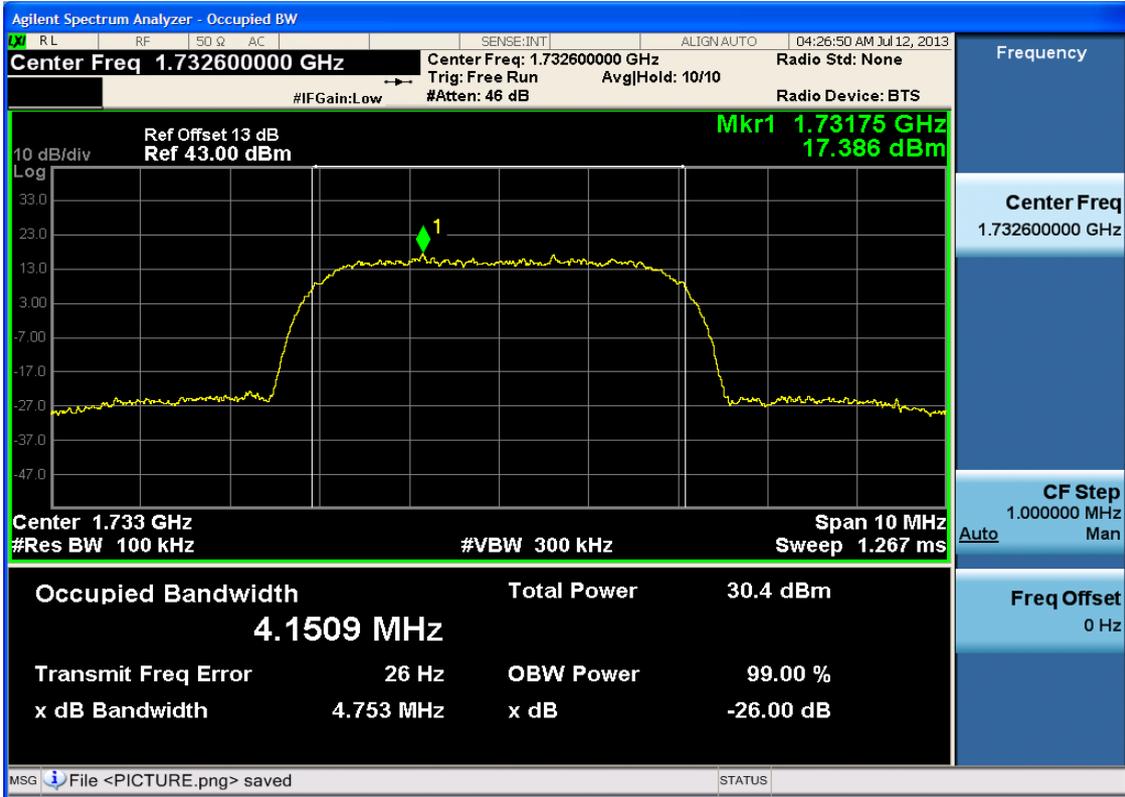
4.2.3 Test Band = WCDMA1700

4.2.3.1 Test Mode = UMTS/TM1

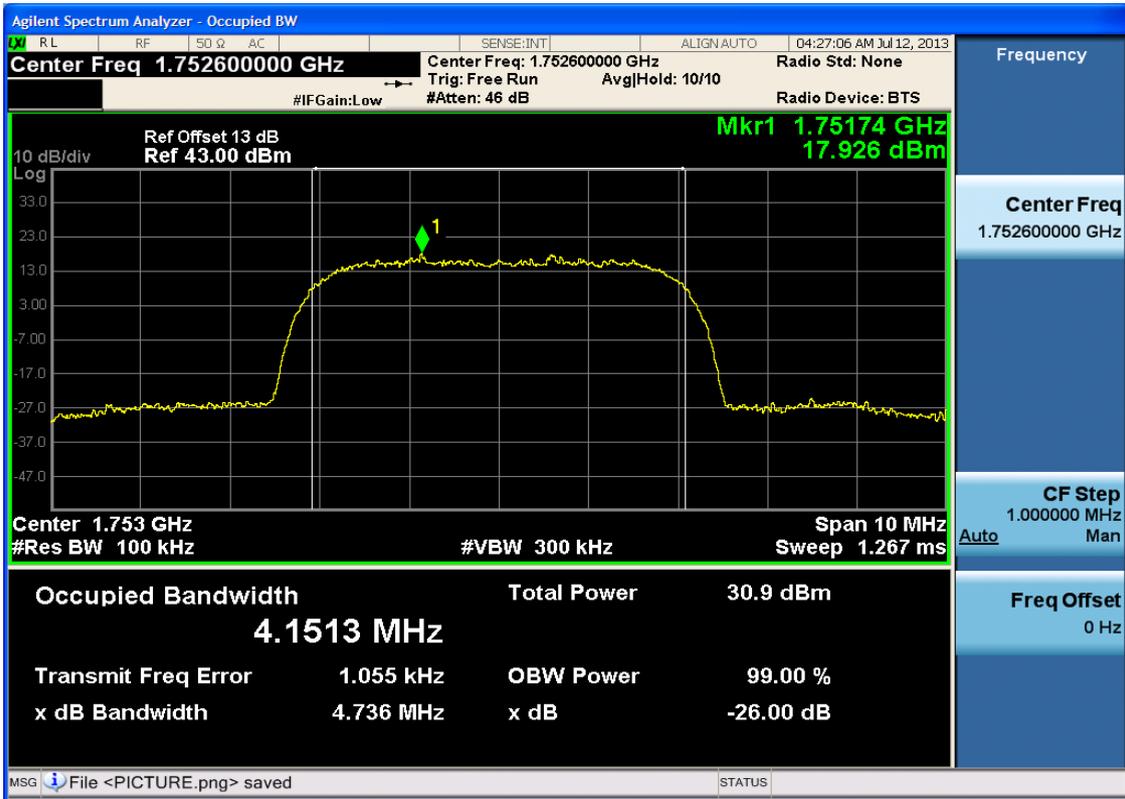
4.2.3.1.1 Test Channel = LCH



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 = 5

4.3.1.1.1.1 Test Channel = LCH

4.3.1.1.1.1.1 Test RB = RB25#0

