



## Appendix for Test report



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## 1 Appendix\_A: Transmit Output Power Data

### Part I - Test Results

Test Band	Test Mode	Test Channel	Conducted Power [dBm]	ERP [dBm]	Limit [dBm]	Verdict
GSM850	GSM/TM1	LCH	32.15	32.30	38.5	PASS
		MCH	32.19	32.38	38.5	PASS
		HCH	32.37	32.41	38.5	PASS
	GSM/TM2	LCH	26.84	26.93	38.5	PASS
		MCH	26.64	27.07	38.5	PASS
		HCH	26.73	26.86	38.5	PASS
WCDMA850	UMTS/TM1	LCH	23.08	23.23	38.5	PASS
		MCH	23.26	23.37	38.5	PASS
		HCH	23.1	23.22	38.5	PASS
Test Band	Test Mode	Test Channel	Conducted Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
GSM1900	GSM/TM1	LCH	29.68	31.98	33	PASS
		MCH	29.57	31.87	33	PASS
		HCH	29.61	31.95	33	PASS
	GSM/TM2	LCH	26.01	28.31	33	PASS
		MCH	25.97	28.27	33	PASS
		HCH	25.94	28.29	33	PASS
WCDMA1900	UMTS/TM1	LCH	23.32	25.65	33	PASS
		MCH	23.54	26.13	33	PASS
		HCH	23.28	25.62	33	PASS

Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Conducted Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
BAND2	LTE/TM1	1.4	LCH	RB1#0	22.62	25.18	33	PASS
				RB1#3	22.60	25.07	33	PASS
				RB1#5	22.69	25.29	33	PASS
				RB3#0	22.63	25.03	33	PASS
				RB3#2	22.56	24.97	33	PASS
				RB3#3	22.62	24.98	33	PASS
				RB6#0	21.68	24.22	33	PASS
			MCH	RB1#0	22.58	25.02	33	PASS

				RB1#3	22.59	25.05	33	PASS	
				RB1#5	22.58	25.04	33	PASS	
				RB3#0	22.68	25.11	33	PASS	
				RB3#2	22.66	25.13	33	PASS	
				RB3#3	22.65	25.17	33	PASS	
				RB6#0	21.75	24.14	33	PASS	
			HCH	RB1#0	22.47	24.94	33	PASS	
				RB1#3	22.31	24.7	33	PASS	
				RB1#5	22.3	24.76	33	PASS	
				RB3#0	22.34	24.91	33	PASS	
				RB3#2	22.24	24.62	33	PASS	
				RB3#3	22.24	24.62	33	PASS	
			3	LCH	RB1#0	22.59	25.00	33	PASS
					RB1#7	22.71	25.08	33	PASS
					RB1#14	22.94	25.48	33	PASS
		RB8#0			21.70	24.12	33	PASS	
		RB8#4			21.72	24.19	33	PASS	
		RB8#7			21.75	24.16	33	PASS	
		RB15#0		21.62	24.19	33	PASS		
		MCH		RB1#0	22.73	25.41	33	PASS	
				RB1#7	22.66	25.11	33	PASS	
				RB1#14	22.67	25.19	33	PASS	
				RB8#0	21.64	24.03	33	PASS	
				RB8#4	21.58	24.01	33	PASS	
			RB8#7	21.61	24.01	33	PASS		
		RB15#0	21.66	24.13	33	PASS			
		HCH	RB1#0	22.63	24.99	33	PASS		
			RB1#7	22.39	24.83	33	PASS		
			RB1#14	22.3	24.73	33	PASS		
			RB8#0	21.4	23.99	33	PASS		
			RB8#4	21.29	23.61	33	PASS		
			RB8#7	21.29	23.71	33	PASS		
			RB15#0	21.33	23.96	33	PASS		
5	LCH	RB1#0	22.72	25.30	33	PASS			
		RB1#13	22.74	25.17	33	PASS			
		RB1#24	22.75	25.26	33	PASS			
		RB12#0	21.69	24.16	33	PASS			
		RB12#6	21.67	24.11	33	PASS			
		RB12#13	21.66	24.21	33	PASS			
		RB25#0	21.67	24.15	33	PASS			

			MCH	RB1#0	22.73	25.12	33	PASS
				RB1#13	22.62	25.17	33	PASS
				RB1#24	22.76	25.11	33	PASS
				RB12#0	21.67	24.36	33	PASS
				RB12#6	21.58	23.91	33	PASS
				RB12#13	21.66	24.08	33	PASS
				RB25#0	21.57	23.94	33	PASS
			HCH	RB1#0	22.40	24.81	33	PASS
				RB1#13	22.45	24.93	33	PASS
				RB1#24	22.15	24.46	33	PASS
				RB12#0	21.44	24.09	33	PASS
				RB12#6	21.42	23.72	33	PASS
				RB12#13	21.31	23.90	33	PASS
				RB25#0	21.33	23.66	33	PASS
		10	LCH	RB1#0	22.64	25.31	33	PASS
				RB1#25	22.62	25.07	33	PASS
				RB1#49	22.64	25.26	33	PASS
				RB25#0	21.63	24.05	33	PASS
				RB25#13	21.46	23.82	33	PASS
				RB25#25	21.62	24.24	33	PASS
				RB50#0	21.40	23.74	33	PASS
			MCH	RB1#0	22.73	25.19	33	PASS
				RB1#25	22.63	25.15	33	PASS
				RB1#49	22.70	25.14	33	PASS
				RB25#0	21.59	24.20	33	PASS
				RB25#13	21.58	23.90	33	PASS
				RB25#25	21.64	24.11	33	PASS
				RB50#0	21.58	23.92	33	PASS
		HCH	RB1#0	22.52	24.84	33	PASS	
			RB1#25	22.36	24.79	33	PASS	
RB1#49	22.24		24.65	33	PASS			
RB25#0	21.37		23.78	33	PASS			
RB25#13	21.24		23.64	33	PASS			
RB25#25	21.25		23.88	33	PASS			
RB50#0	21.18		23.71	33	PASS			
15	LCH	RB1#0	22.71	25.14	33	PASS		
		RB1#38	22.64	25.00	33	PASS		
		RB1#74	22.72	25.03	33	PASS		
		RB38#0	21.49	24.01	33	PASS		
		RB38#19	21.47	23.87	33	PASS		
		RB38#39	21.47	23.86	33	PASS		

			MCH	RB75#0	21.43	23.76	33	PASS
				RB1#0	22.73	25.08	33	PASS
				RB1#38	22.64	25.14	33	PASS
				RB1#74	22.66	25.07	33	PASS
				RB38#0	21.54	23.99	33	PASS
				RB38#19	21.49	23.8	33	PASS
				RB38#39	21.49	23.97	33	PASS
			RB75#0	21.56	23.97	33	PASS	
			HCH	RB1#0	22.59	25.03	33	PASS
				RB1#38	22.52	25.01	33	PASS
				RB1#74	22.25	24.65	33	PASS
				RB38#0	21.35	23.69	33	PASS
				RB38#19	21.24	23.79	33	PASS
				RB38#39	21.22	23.91	33	PASS
	RB75#0	21.27		23.7	33	PASS		
	20	LCH	RB1#0	22.67	25.03	33	PASS	
			RB1#50	22.63	24.95	33	PASS	
			RB1#99	22.68	25.24	33	PASS	
			RB50#0	21.44	23.90	33	PASS	
			RB50#25	21.44	24.13	33	PASS	
			RB50#50	21.47	23.84	33	PASS	
			RB100#0	21.53	23.97	33	PASS	
		MCH	RB1#0	22.69	25.19	33	PASS	
			RB1#50	22.58	24.90	33	PASS	
			RB1#99	22.67	25.20	33	PASS	
			RB50#0	21.54	23.90	33	PASS	
			RB50#25	21.49	23.94	33	PASS	
			RB50#50	21.53	23.86	33	PASS	
			RB100#0	21.56	24.13	33	PASS	
	HCH	RB1#0	22.55	25.03	33	PASS		
RB1#50		22.44	25.09	33	PASS			
RB1#99		22.27	24.72	33	PASS			
RB50#0		21.31	23.69	33	PASS			
RB50#25		21.40	23.76	33	PASS			
RB50#50		21.28	23.73	33	PASS			
RB100#0		21.32	24.02	33	PASS			
LTE/TM2	1.4	LCH	RB1#0	21.88	24.29	33	PASS	
			RB1#3	21.86	24.39	33	PASS	
			RB1#5	21.91	24.55	33	PASS	
			RB3#0	21.53	24.01	33	PASS	
			RB3#2	21.58	24.17	33	PASS	



				RB3#3	21.61	24.03	33	PASS
				RB6#0	20.46	23.15	33	PASS
			MCH	RB1#0	21.97	24.46	33	PASS
				RB1#3	21.92	24.33	33	PASS
				RB1#5	21.95	24.39	33	PASS
				RB3#0	21.61	23.99	33	PASS
				RB3#2	21.57	23.94	33	PASS
				RB3#3	21.53	23.94	33	PASS
			RB6#0	20.49	22.83	33	PASS	
			HCH	RB1#0	21.61	24.31	33	PASS
				RB1#3	21.51	23.96	33	PASS
				RB1#5	21.43	23.74	33	PASS
				RB3#0	21.27	23.78	33	PASS
				RB3#2	21.18	23.66	33	PASS
	RB3#3	21.06		23.54	33	PASS		
	RB6#0	20.15	22.59	33	PASS			
	3	LCH	RB1#0	21.86	24.16	33	PASS	
			RB1#7	21.95	24.52	33	PASS	
			RB1#14	22.03	24.56	33	PASS	
			RB8#0	20.63	23.04	33	PASS	
			RB8#4	20.58	23.07	33	PASS	
			RB8#7	20.63	23.02	33	PASS	
		RB15#0	20.60	22.92	33	PASS		
		MCH	RB1#0	21.92	24.46	33	PASS	
			RB1#7	21.89	24.34	33	PASS	
			RB1#14	21.90	24.47	33	PASS	
			RB8#0	20.63	22.96	33	PASS	
			RB8#4	20.56	22.99	33	PASS	
			RB8#7	20.57	22.98	33	PASS	
		RB15#0	20.58	22.99	33	PASS		
		HCH	RB1#0	21.77	24.25	33	PASS	
			RB1#7	21.66	23.98	33	PASS	
RB1#14			21.40	23.74	33	PASS		
RB8#0			20.39	22.72	33	PASS		
RB8#4	20.30		22.67	33	PASS			
RB8#7	20.29		22.77	33	PASS			
RB15#0	20.28	22.71	33	PASS				
5	LCH	RB1#0	21.75	24.38	33	PASS		
		RB1#13	21.94	24.32	33	PASS		
		RB1#24	21.78	24.25	33	PASS		
		RB12#0	20.74	23.12	33	PASS		

				RB12#6	20.83	23.22	33	PASS
				RB12#13	20.74	23.22	33	PASS
				RB25#0	20.70	23.08	33	PASS
			MCH	RB1#0	21.85	24.40	33	PASS
				RB1#13	21.76	24.07	33	PASS
				RB1#24	21.95	24.28	33	PASS
				RB12#0	20.70	23.06	33	PASS
				RB12#6	20.72	23.19	33	PASS
				RB12#13	20.79	23.11	33	PASS
			RB25#0	20.61	23.23	33	PASS	
			HCH	RB1#0	21.43	23.78	33	PASS
				RB1#13	21.58	24.01	33	PASS
				RB1#24	21.19	23.61	33	PASS
				RB12#0	20.48	22.84	33	PASS
				RB12#6	20.48	22.88	33	PASS
		RB12#13		20.37	22.75	33	PASS	
		RB25#0	20.39	22.77	33	PASS		
		10	LCH	RB1#0	21.85	24.23	33	PASS
				RB1#25	21.81	24.29	33	PASS
				RB1#49	21.94	24.40	33	PASS
				RB25#0	20.6	23.03	33	PASS
				RB25#13	20.54	22.92	33	PASS
				RB25#25	20.60	22.95	33	PASS
			RB50#0	20.40	22.90	33	PASS	
			MCH	RB1#0	21.76	24.06	33	PASS
				RB1#25	21.69	23.99	33	PASS
				RB1#49	21.88	24.39	33	PASS
				RB25#0	20.68	23.16	33	PASS
				RB25#13	20.56	23.04	33	PASS
				RB25#25	20.72	23.19	33	PASS
RB50#0	20.53		22.97	33	PASS			
HCH	RB1#0		21.55	24.00	33	PASS		
	RB1#25	21.39	23.83	33	PASS			
	RB1#49	21.24	23.60	33	PASS			
	RB25#0	20.37	22.84	33	PASS			
	RB25#13	20.24	22.55	33	PASS			
	RB25#25	20.35	22.69	33	PASS			
RB50#0	20.15	22.84	33	PASS				
15	LCH	RB1#0	21.76	24.16	33	PASS		
		RB1#38	21.75	24.40	33	PASS		
		RB1#74	21.77	24.20	33	PASS		





Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Conducted Power [dBm]	ERP [dBm]	Limit [dBm]	Verdict
BAND5	LTE/TM1	1.4	LCH	RB1#0	22.67	23.03	38.5	PASS
				RB1#3	22.69	22.88	38.5	PASS
				RB1#5	22.58	22.83	38.5	PASS
				RB3#0	22.58	22.83	38.5	PASS
				RB3#2	22.61	22.90	38.5	PASS
				RB3#3	22.57	22.92	38.5	PASS
			RB6#0	21.65	22.11	38.5	PASS	
			MCH	RB1#0	22.40	22.58	38.5	PASS
				RB1#3	22.43	22.72	38.5	PASS
				RB1#5	22.46	22.7	38.5	PASS
				RB3#0	22.35	22.56	38.5	PASS
				RB3#2	22.35	22.62	38.5	PASS
				RB3#3	22.40	22.71	38.5	PASS
			HCH	RB6#0	21.34	21.57	38.5	PASS
				RB1#0	22.46	22.65	38.5	PASS
			HCH	RB1#3	22.32	22.58	38.5	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Conducted Power [dBm]	ERP [dBm]	Limit [dBm]	Verdict	
				RB1#5	22.18	22.62	38.5	PASS	
				RB3#0	22.33	22.59	38.5	PASS	
				RB3#2	22.19	22.51	38.5	PASS	
				RB3#3	22.18	22.49	38.5	PASS	
				RB6#0	21.33	21.67	38.5	PASS	
		3	LCH	RB1#0	22.68	22.98	38.5	PASS	
				RB1#7	22.45	22.75	38.5	PASS	
				RB1#14	22.45	22.74	38.5	PASS	
				RB8#0	21.62	22.1	38.5	PASS	
				RB8#4	21.42	21.78	38.5	PASS	
				RB8#7	21.43	21.61	38.5	PASS	
				RB15#0	21.4	21.7	38.5	PASS	
				MCH	RB1#0	22.36	22.83	38.5	PASS
					RB1#7	22.43	22.83	38.5	PASS
					RB1#14	22.31	22.64	38.5	PASS
RB8#0	21.44	21.87	38.5		PASS				
RB8#4	21.40	21.61	38.5		PASS				



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Conducted Power [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB8#7	21.44	21.72	38.5	PASS
				RB15#0	21.36	21.65	38.5	PASS
			HCH	RB1#0	22.46	22.66	38.5	PASS
				RB1#7	22.46	22.69	38.5	PASS
				RB1#14	22.24	22.64	38.5	PASS
				RB8#0	21.38	21.91	38.5	PASS
				RB8#4	21.37	21.56	38.5	PASS
				RB8#7	21.34	21.58	38.5	PASS
				RB15#0	21.39	21.55	38.5	PASS
				5	LCH	RB1#0	22.56	22.72
		RB1#13	22.44			22.86	38.5	PASS
		RB1#24	22.43			22.71	38.5	PASS
		RB12#0	21.43			21.64	38.5	PASS
		RB12#6	21.45			21.92	38.5	PASS
		RB12#13	21.51			21.76	38.5	PASS
		RB25#0	21.44			21.66	38.5	PASS
		MCH	RB1#0	22.45	22.80	38.5	PASS	



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Conducted Power [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB1#13	22.36	22.70	38.5	PASS
				RB1#24	22.35	22.63	38.5	PASS
				RB12#0	21.34	21.59	38.5	PASS
				RB12#6	21.35	21.67	38.5	PASS
				RB12#13	21.32	21.62	38.5	PASS
				RB25#0	21.2	21.53	38.5	PASS
			HCH	RB1#0	22.39	22.65	38.5	PASS
				RB1#13	22.35	22.70	38.5	PASS
				RB1#24	22.13	22.46	38.5	PASS
				RB12#0	21.47	21.8	38.5	PASS
				RB12#6	21.43	21.65	38.5	PASS
				RB12#13	21.37	21.55	38.5	PASS
		10	LCH	RB1#0	22.56	22.79	38.5	PASS
				RB1#25	22.50	22.86	38.5	PASS
				RB1#49	22.40	22.71	38.5	PASS
				RB25#0	21.45	21.64	38.5	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Conducted Power [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#13	21.30	21.48	38.5	PASS
				RB25#25	21.24	21.43	38.5	PASS
				RB50#0	21.30	21.58	38.5	PASS
			MCH	RB1#0	22.41	22.74	38.5	PASS
				RB1#25	22.47	22.78	38.5	PASS
				RB1#49	22.37	22.66	38.5	PASS
				RB25#0	21.31	21.49	38.5	PASS
				RB25#13	21.26	21.57	38.5	PASS
				RB25#25	21.30	21.56	38.5	PASS
				RB50#0	21.18	21.49	38.5	PASS
			HCH	RB1#0	22.45	22.88	38.5	PASS
				RB1#25	22.45	22.65	38.5	PASS
				RB1#49	22.33	22.64	38.5	PASS
				RB25#0	21.23	21.40	38.5	PASS
				RB25#13	21.23	21.51	38.5	PASS
RB25#25	21.22	21.41		38.5	PASS			
RB50#0	21.16	21.53		38.5	PASS			



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Conducted Power [dBm]	ERP [dBm]	Limit [dBm]	Verdict
	LTE/TM2	1.4	LCH	RB1#0	21.79	22.11	38.5	PASS
				RB1#3	21.77	22.09	38.5	PASS
				RB1#5	21.74	21.91	38.5	PASS
				RB3#0	21.46	21.75	38.5	PASS
				RB3#2	21.49	21.72	38.5	PASS
				RB3#3	21.47	21.73	38.5	PASS
				RB6#0	20.37	20.66	38.5	PASS
			MCH	RB1#0	21.55	21.82	38.5	PASS
				RB1#3	21.60	22.01	38.5	PASS
				RB1#5	21.61	21.79	38.5	PASS
				RB3#0	21.29	21.44	38.5	PASS
				RB3#2	21.28	21.6	38.5	PASS
				RB3#3	21.26	21.53	38.5	PASS
				RB6#0	20.25	20.55	38.5	PASS
			HCH	RB1#0	21.26	21.44	38.5	PASS
				RB1#3	21.15	21.59	38.5	PASS
				RB1#5	21.32	21.59	38.5	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Conducted Power [dBm]	ERP [dBm]	Limit [dBm]	Verdict	
				RB3#0	21.48	21.81	38.5	PASS	
				RB3#2	21.47	21.67	38.5	PASS	
				RB3#3	21.39	21.87	38.5	PASS	
				RB6#0	20.6	20.92	38.5	PASS	
			3	LCH	RB1#0	21.77	22.11	38.5	PASS
					RB1#7	21.67	21.87	38.5	PASS
					RB1#14	21.74	21.94	38.5	PASS
					RB8#0	20.4	20.72	38.5	PASS
		RB8#4			20.3	20.69	38.5	PASS	
		RB8#7			20.29	20.45	38.5	PASS	
		RB15#0			20.32	20.5	38.5	PASS	
		MCH			RB1#0	21.68	21.86	38.5	PASS
			RB1#7	21.63	21.94	38.5	PASS		
			RB1#14	21.5	21.8	38.5	PASS		
			RB8#0	20.2	20.43	38.5	PASS		
			RB8#4	20.26	20.56	38.5	PASS		
RB8#7	20.29		20.47	38.5	PASS				



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Conducted Power [dBm]	ERP [dBm]	Limit [dBm]	Verdict	
			HCH	RB15#0	20.28	20.47	38.5	PASS	
				RB1#0	21.63	21.85	38.5	PASS	
				RB1#7	21.62	21.92	38.5	PASS	
				RB1#14	21.4	21.62	38.5	PASS	
				RB8#0	20.39	20.91	38.5	PASS	
				RB8#4	20.32	20.79	38.5	PASS	
				RB8#7	20.26	20.43	38.5	PASS	
				RB15#0	20.34	20.61	38.5	PASS	
		5	LCH	RB1#0	21.7	21.95	38.5	PASS	
				RB1#13	21.69	22.01	38.5	PASS	
				RB1#24	21.67	22.07	38.5	PASS	
				RB12#0	20.48	20.72	38.5	PASS	
				RB12#6	20.58	20.8	38.5	PASS	
				RB12#13	20.6	20.87	38.5	PASS	
				RB25#0	20.42	20.9	38.5	PASS	
				MCH	RB1#0	21.73	21.93	38.5	PASS
					RB1#13	21.62	21.9	38.5	PASS



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Conducted Power [dBm]	ERP [dBm]	Limit [dBm]	Verdict	
				RB1#24	21.49	21.8	38.5	PASS	
				RB12#0	20.45	20.61	38.5	PASS	
				RB12#6	20.47	20.78	38.5	PASS	
				RB12#13	20.45	20.7	38.5	PASS	
				RB25#0	20.34	20.64	38.5	PASS	
			HCH	RB1#0	21.62	21.84	38.5	PASS	
				RB1#13	21.62	21.82	38.5	PASS	
				RB1#24	21.35	21.54	38.5	PASS	
				RB12#0	20.49	20.71	38.5	PASS	
				RB12#6	20.45	20.98	38.5	PASS	
				RB12#13	20.43	20.7	38.5	PASS	
				RB25#0	20.35	20.87	38.5	PASS	
			10	LCH	RB1#0	21.61	21.97	38.5	PASS
					RB1#25	21.6	21.86	38.5	PASS
					RB1#49	21.42	21.64	38.5	PASS
RB25#0	20.47	21			38.5	PASS			
RB25#13	20.39	20.71			38.5	PASS			



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Conducted Power [dBm]	ERP [dBm]	Limit [dBm]	Verdict
				RB25#25	20.41	20.76	38.5	PASS
				RB50#0	20.28	20.55	38.5	PASS
			MCH	RB1#0	21.57	22.11	38.5	PASS
				RB1#25	21.62	21.8	38.5	PASS
				RB1#49	21.56	21.75	38.5	PASS
				RB25#0	20.33	20.77	38.5	PASS
				RB25#13	20.25	20.52	38.5	PASS
				RB25#25	20.3	20.69	38.5	PASS
			HCH	RB50#0	20.22	20.67	38.5	PASS
				RB1#0	21.58	21.76	38.5	PASS
				RB1#25	21.6	21.94	38.5	PASS
				RB1#49	21.47	21.66	38.5	PASS
				RB25#0	20.32	20.47	38.5	PASS
				RB25#13	20.23	20.57	38.5	PASS
RB25#25	20.29	20.46		38.5	PASS			
RB50#0	20.18	20.51	38.5	PASS				



Test Band(LTE)	Test Mode	Test Bandwidth	Test Channel	Test RB	Conducted Power [dBm]	EIRP [dBm]	Limit [dBm]	Verdict
BAND7	LTE/TM1	5	LCH	RB1#0	22.94	25.3	33	PASS
				RB1#13	22.95	25.43	33	PASS
				RB1#24	22.96	25.29	33	PASS
				RB12#0	21.82	24.2	33	PASS
				RB12#6	21.79	24.1	33	PASS
				RB12#13	21.77	24.11	33	PASS
			RB25#0	21.72	24.07	33	PASS	
			MCH	RB1#0	22.88	25.32	33	PASS
				RB1#13	22.88	25.28	33	PASS
				RB1#24	22.91	25.21	33	PASS
				RB12#0	21.81	24.23	33	PASS
				RB12#6	21.88	24.21	33	PASS
				RB12#13	21.86	24.52	33	PASS
			RB25#0	21.7	24.14	33	PASS	
			HCH	RB1#0	22.59	25.06	33	PASS
				RB1#13	22.6	25.14	33	PASS
				RB1#24	22.52	24.85	33	PASS
				RB12#0	21.54	23.94	33	PASS
		RB12#6		21.48	23.92	33	PASS	
		RB12#13		21.39	23.93	33	PASS	
		RB25#0	21.31	23.74	33	PASS		
		10	LCH	RB1#0	23.02	25.71	33	PASS
				RB1#25	22.96	25.38	33	PASS
				RB1#49	22.84	25.24	33	PASS
				RB25#0	21.61	24.03	33	PASS
				RB25#13	21.69	24.02	33	PASS
				RB25#25	21.58	23.94	33	PASS
			RB50#0	21.48	23.94	33	PASS	
			MCH	RB1#0	22.83	25.21	33	PASS
				RB1#25	22.88	25.25	33	PASS
RB1#49	22.78			25.2	33	PASS		
RB25#0	21.63			23.99	33	PASS		
RB25#13	21.61			24.08	33	PASS		
RB25#25	21.62	24.2		33	PASS			
RB50#0	21.45	23.8	33	PASS				
HCH	RB1#0	22.38	24.7	33	PASS			
	RB1#25	22.47	24.96	33	PASS			



				RB1#49	22.43	24.89	33	PASS
				RB25#0	21.11	23.7	33	PASS
				RB25#13	21.23	23.7	33	PASS
				RB25#25	21.2	23.54	33	PASS
				RB50#0	21.07	23.52	33	PASS
		15	LCH	RB1#0	22.92	25.3	33	PASS
				RB1#38	22.88	25.27	33	PASS
				RB1#74	22.63	25.09	33	PASS
				RB36#0	21.5	23.97	33	PASS
				RB36#18	21.43	23.87	33	PASS
				RB36#39	21.28	23.9	33	PASS
				RB75#0	21.35	23.93	33	PASS
			MCH	RB1#0	22.74	25.07	33	PASS
				RB1#38	22.83	25.16	33	PASS
				RB1#74	22.67	25.22	33	PASS
				RB36#0	21.4	23.8	33	PASS
				RB36#18	21.45	23.84	33	PASS
				RB36#39	21.44	23.86	33	PASS
				RB75#0	21.35	23.77	33	PASS
			HCH	RB1#0	22.42	24.83	33	PASS
		RB1#38		22.46	24.8	33	PASS	
		RB1#74		22.33	24.77	33	PASS	
		RB36#0		20.98	23.31	33	PASS	
		RB36#18		20.9	23.28	33	PASS	
		RB36#39		21.08	23.57	33	PASS	
		RB75#0		20.92	23.28	33	PASS	
		20	LCH	RB1#0	22.88	25.19	33	PASS
				RB1#50	22.77	25.27	33	PASS
				RB1#99	22.49	24.81	33	PASS
				RB50#0	21.45	23.81	33	PASS
				RB50#25	21.4	23.76	33	PASS
				RB50#50	21.23	23.73	33	PASS
				RB100#0	21.42	23.73	33	PASS
MCH	RB1#0		22.69	25.17	33	PASS		
	RB1#50		22.81	25.25	33	PASS		
	RB1#99		22.72	25.19	33	PASS		
	RB50#0		21.41	23.79	33	PASS		
	RB50#25		21.41	23.95	33	PASS		
	RB50#50		21.45	23.8	33	PASS		
HCH	RB1#0	22.39	24.81	33	PASS			

				RB1#50	22.31	24.66	33	PASS
				RB1#99	22.29	24.83	33	PASS
				RB50#0	21.03	23.64	33	PASS
				RB50#25	20.98	23.35	33	PASS
				RB50#50	21.05	23.47	33	PASS
				RB100#0	21.04	23.6	33	PASS
LTE/TM2	5	LCH		RB1#0	22.03	24.36	33	PASS
				RB1#13	22.03	24.36	33	PASS
				RB1#24	21.96	24.32	33	PASS
				RB12#0	20.91	23.57	33	PASS
				RB12#6	20.84	23.15	33	PASS
				RB12#13	20.8	23.18	33	PASS
		RB25#0	20.74	23.12	33	PASS		
		MCH		RB1#0	21.82	24.27	33	PASS
				RB1#13	21.89	24.33	33	PASS
				RB1#24	21.9	24.25	33	PASS
				RB12#0	20.77	23.22	33	PASS
				RB12#6	20.8	23.29	33	PASS
	RB12#13			20.81	23.16	33	PASS	
	RB25#0	20.45	22.79	33	PASS			
	HCH		RB1#0	21.52	24.14	33	PASS	
			RB1#13	21.48	23.85	33	PASS	
			RB1#24	21.41	24	33	PASS	
			RB12#0	20.35	23.04	33	PASS	
			RB12#6	20.35	22.84	33	PASS	
			RB12#13	20.32	22.73	33	PASS	
	RB25#0	20.16	22.64	33	PASS			
	10	LCH		RB1#0	22.16	24.56	33	PASS
				RB1#25	22.16	24.61	33	PASS
				RB1#49	22.01	24.35	33	PASS
RB25#0				20.64	22.99	33	PASS	
RB25#13				20.69	23.09	33	PASS	
RB25#25				20.49	23.14	33	PASS	
RB50#0		20.5	22.9	33	PASS			
MCH			RB1#0	21.99	24.39	33	PASS	
			RB1#25	22.01	24.57	33	PASS	
			RB1#49	21.92	24.33	33	PASS	
			RB25#0	20.55	23.03	33	PASS	
			RB25#13	20.56	22.88	33	PASS	
	RB25#25		20.6	22.91	33	PASS		
RB50#0	20.38	22.94	33	PASS				



	15	HCH	RB1#0	21.43	24.03	33	PASS
			RB1#25	21.45	24.05	33	PASS
			RB1#49	21.44	23.78	33	PASS
			RB25#0	20.02	22.41	33	PASS
			RB25#13	20.24	22.66	33	PASS
			RB25#25	20.15	22.46	33	PASS
			RB50#0	19.9	22.55	33	PASS
		LCH	RB1#0	22.09	24.58	33	PASS
			RB1#38	22.1	24.65	33	PASS
			RB1#74	21.83	24.25	33	PASS
			RB36#0	20.49	23.07	33	PASS
			RB36#18	20.51	22.91	33	PASS
			RB36#39	20.33	22.67	33	PASS
			RB75#0	20.38	22.85	33	PASS
	MCH	RB1#0	21.92	24.27	33	PASS	
		RB1#38	22.1	24.48	33	PASS	
		RB1#74	21.93	24.52	33	PASS	
		RB36#0	20.41	22.82	33	PASS	
		RB36#18	20.41	22.87	33	PASS	
		RB36#39	20.45	22.86	33	PASS	
		RB75#0	20.28	22.77	33	PASS	
	HCH	RB1#0	21.41	23.89	33	PASS	
		RB1#38	21.35	23.83	33	PASS	
		RB1#74	21.45	23.91	33	PASS	
		RB36#0	20.03	22.49	33	PASS	
		RB36#18	19.95	22.29	33	PASS	
		RB36#39	20.03	22.36	33	PASS	
		RB75#0	19.82	22.22	33	PASS	
20	LCH	RB1#0	22.11	24.56	33	PASS	
		RB1#50	21.96	24.44	33	PASS	
		RB1#99	21.76	24.15	33	PASS	
		RB50#0	20.51	22.86	33	PASS	
		RB50#25	20.34	22.86	33	PASS	
		RB50#50	20.26	22.71	33	PASS	
		RB100#0	20.32	22.69	33	PASS	
	MCH	RB1#0	21.79	24.31	33	PASS	
		RB1#50	21.93	24.42	33	PASS	
		RB1#99	21.68	24.14	33	PASS	
		RB50#0	20.31	22.68	33	PASS	
		RB50#25	20.3	22.93	33	PASS	
		RB50#50	20.33	22.72	33	PASS	



				RB100#0	20.44	22.76	33	PASS
			HCH	RB1#0	21.7	24.17	33	PASS
				RB1#50	21.54	23.91	33	PASS
				RB1#99	21.54	24.17	33	PASS
				RB50#0	20.01	22.45	33	PASS
				RB50#25	19.86	22.53	33	PASS
				RB50#50	19.93	22.38	33	PASS
				RB100#0	19.93	22.38	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.



## 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	0.11	13	PASS
		MCH	0.13	13	PASS
		HCH	0.14	13	PASS
	GSM/TM2	LCH	3.37	13	PASS
		MCH	3.2	13	PASS
		HCH	3.18	13	PASS
Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
WCDMA1900	UMTS/TM1	LCH	3.4	13	PASS
		MCH	3.56	13	PASS
		HCH	3.22	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
BAND2	LTE/TM1	1.4	LCH	RB1#0	4.34	13	PASS
				RB1#3	4.25	13	PASS
				RB1#5	4.39	13	PASS
				RB3#0	5.04	13	PASS
				RB3#2	5.04	13	PASS
				RB3#3	5.22	13	PASS
			RB6#0	5.83	13	PASS	
			MCH	RB1#0	4.44	13	PASS
				RB1#3	4.35	13	PASS
				RB1#5	4.4	13	PASS
				RB3#0	5.03	13	PASS
				RB3#2	4.92	13	PASS
				RB3#3	5.03	13	PASS
			HCH	RB6#0	5.69	13	PASS
				RB1#0	4.2	13	PASS
				RB1#3	4	13	PASS
				RB1#5	4.12	13	PASS
				RB3#0	4.64	13	PASS
		RB3#2		4.58	13	PASS	
		3	LCH	RB3#3	4.69	13	PASS
				RB6#0	5.58	13	PASS
				RB1#0	4.38	13	PASS
				RB1#7	4.29	13	PASS
				RB1#14	4.37	13	PASS
				RB8#0	5.68	13	PASS
			MCH	RB8#4	5.8	13	PASS
				RB8#7	5.84	13	PASS
				RB15#0	5.78	13	PASS
				RB1#0	4.31	13	PASS
				RB1#7	4.26	13	PASS
RB1#14	4.43			13	PASS		
HCH	RB8#0	5.68	13	PASS			
	RB8#4	5.86	13	PASS			
	RB8#7	5.86	13	PASS			
			RB15#0	5.64	13	PASS	
			RB1#0	4.03	13	PASS	
			RB1#7	3.98	13	PASS	
			RB1#14	4.09	13	PASS	



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[ dB]	Limit [dB]	Verdict
		5		RB8#0	5.46	13	PASS
				RB8#4	5.49	13	PASS
				RB8#7	5.64	13	PASS
				RB15#0	5.6	13	PASS
			LCH	RB1#0	4.23	13	PASS
				RB1#13	4.15	13	PASS
				RB1#24	4.23	13	PASS
				RB12#0	5.87	13	PASS
				RB12#6	5.6	13	PASS
				RB12#13	5.86	13	PASS
			MCH	RB25#0	5.91	13	PASS
				RB1#0	4.2	13	PASS
		RB1#13		4.24	13	PASS	
		RB1#24		4.36	13	PASS	
		RB12#0		5.8	13	PASS	
		RB12#6		5.65	13	PASS	
		HCH	RB12#13	5.99	13	PASS	
			RB25#0	5.96	13	PASS	
			RB1#0	3.96	13	PASS	
			RB1#13	3.75	13	PASS	
			RB1#24	4.03	13	PASS	
			RB12#0	5.5	13	PASS	
		10	LCH	RB12#6	5.51	13	PASS
				RB12#13	5.57	13	PASS
				RB25#0	5.94	13	PASS
				RB1#0	4.42	13	PASS
				RB1#25	4.29	13	PASS
				RB1#49	4.3	13	PASS
			MCH	RB25#0	6.04	13	PASS
				RB25#13	6.05	13	PASS
				RB25#25	6.11	13	PASS
				RB50#0	6.05	13	PASS
RB1#0	4.32			13	PASS		
RB1#25	4.33			13	PASS		
RB1#49	4.69	13	PASS				
RB25#0	6.15	13	PASS				
RB25#13	6.1	13	PASS				
RB25#25	6.23	13	PASS				
RB50#0	6.17	13	PASS				



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[ dB]	Limit [dB]	Verdict
			HCH	RB1#0	4.15	13	PASS
				RB1#25	3.94	13	PASS
				RB1#49	4.11	13	PASS
				RB25#0	5.79	13	PASS
				RB25#13	5.65	13	PASS
				RB25#25	5.73	13	PASS
				RB50#0	5.83	13	PASS
			LCH	RB1#0	4.33	13	PASS
				RB1#38	4.17	13	PASS
				RB1#74	4.14	13	PASS
				RB38#0	6.03	13	PASS
				RB38#19	5.84	13	PASS
				RB38#39	6	13	PASS
				RB75#0	6.22	13	PASS
		MCH	RB1#0	4.16	13	PASS	
			RB1#38	4.18	13	PASS	
			RB1#74	4.58	13	PASS	
			RB38#0	6.1	13	PASS	
			RB38#19	6.09	13	PASS	
			RB38#39	6.19	13	PASS	
			RB75#0	6.45	13	PASS	
		HCH	RB1#0	4.16	13	PASS	
			RB1#38	3.89	13	PASS	
			RB1#74	4.02	13	PASS	
			RB38#0	5.73	13	PASS	
			RB38#19	5.55	13	PASS	
			RB38#39	5.68	13	PASS	
			RB75#0	6.2	13	PASS	
		20	LCH	RB1#0	4.29	13	PASS
				RB1#50	4.07	13	PASS
				RB1#99	4.09	13	PASS
				RB50#0	6.07	13	PASS
RB50#25	5.81			13	PASS		
RB50#50	5.86			13	PASS		
RB100#0	6.07			13	PASS		
MCH	RB1#0		4.17	13	PASS		
	RB1#50		4.34	13	PASS		
	RB1#99		4.59	13	PASS		
	RB50#0		5.88	13	PASS		

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[ dB]	Limit [dB]	Verdict	
				RB50#25	6.12	13	PASS	
				RB50#50	6.15	13	PASS	
				RB100#0	6.34	13	PASS	
			HCH	RB1#0	4.61	13	PASS	
				RB1#50	4.04	13	PASS	
				RB1#99	4.19	13	PASS	
				RB50#0	5.99	13	PASS	
				RB50#25	5.62	13	PASS	
				RB50#50	5.78	13	PASS	
			LCH	RB100#0	6.08	13	PASS	
				RB1#0	5.54	13	PASS	
				RB1#3	5.37	13	PASS	
				RB1#5	5.51	13	PASS	
				RB3#0	5.71	13	PASS	
				RB3#2	5.66	13	PASS	
	MCH	RB3#3	5.79	13	PASS			
		RB6#0	6.33	13	PASS			
		RB1#0	5.18	13	PASS			
		RB1#3	4.97	13	PASS			
		RB1#5	5.1	13	PASS			
		RB3#0	5.89	13	PASS			
	HCH	RB3#2	5.89	13	PASS			
		RB3#3	6.14	13	PASS			
		RB6#0	6.88	13	PASS			
		RB1#0	5.36	13	PASS			
		RB1#3	5.19	13	PASS			
		RB1#5	5.28	13	PASS			
			3	LCH	RB3#0	5.49	13	PASS
					RB3#2	5.4	13	PASS
					RB3#3	5.51	13	PASS
RB6#0					6.28	13	PASS	
RB1#0					5.11	13	PASS	
RB1#7					5.05	13	PASS	
RB1#14				5.03	13	PASS		
MCH	RB8#0	6.81	13	PASS				
	RB8#4	6.59	13	PASS				
	RB8#7	6.79	13	PASS				
	RB15#0	6.31	13	PASS				
			MCH	RB1#0	5.15	13	PASS	



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[ dB]	Limit [dB]	Verdict
		5		RB1#7	5.1	13	PASS
				RB1#14	5.21	13	PASS
				RB8#0	6.71	13	PASS
				RB8#4	6.69	13	PASS
				RB8#7	6.84	13	PASS
				RB15#0	6.33	13	PASS
			HCH	RB1#0	4.79	13	PASS
				RB1#7	4.74	13	PASS
				RB1#14	4.87	13	PASS
				RB8#0	6.66	13	PASS
				RB8#4	6.42	13	PASS
				RB8#7	6.6	13	PASS
			LCH	RB15#0	6.25	13	PASS
				RB1#0	5.44	13	PASS
				RB1#13	5.21	13	PASS
				RB1#24	5.37	13	PASS
				RB12#0	6.36	13	PASS
				RB12#6	6.3	13	PASS
		RB12#13		6.36	13	PASS	
		RB25#0		6.89	13	PASS	
		MCH		RB1#0	5.36	13	PASS
				RB1#13	5.25	13	PASS
				RB1#24	5.49	13	PASS
				RB12#0	6.34	13	PASS
			RB12#6	6.39	13	PASS	
			RB12#13	6.53	13	PASS	
		HCH	RB25#0	7.08	13	PASS	
			RB1#0	5.11	13	PASS	
			RB1#13	4.93	13	PASS	
			RB1#24	5.15	13	PASS	
			RB12#0	6.17	13	PASS	
			RB12#6	6.13	13	PASS	
		10	LCH	RB12#13	6.27	13	PASS
RB25#0	6.93			13	PASS		
RB1#0	5.21			13	PASS		
RB1#25	5.08			13	PASS		
RB1#49	5.07			13	PASS		
				RB25#0	6.76	13	PASS
				RB25#13	6.77	13	PASS



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[ dB]	Limit [dB]	Verdict
				RB25#25	6.8	13	PASS
				RB50#0	6.99	13	PASS
			MCH	RB1#0	5.22	13	PASS
				RB1#25	5.11	13	PASS
				RB1#49	5.52	13	PASS
				RB25#0	6.71	13	PASS
				RB25#13	6.68	13	PASS
				RB25#25	6.87	13	PASS
			RB50#0	7.14	13	PASS	
			HCH	RB1#0	5.04	13	PASS
				RB1#25	4.79	13	PASS
				RB1#49	5.05	13	PASS
				RB25#0	6.42	13	PASS
				RB25#13	6.33	13	PASS
		RB25#25		6.45	13	PASS	
		RB50#0	6.85	13	PASS		
		15	LCH	RB1#0	5.18	13	PASS
				RB1#38	5.06	13	PASS
				RB1#74	4.95	13	PASS
				RB38#0	7	13	PASS
				RB38#19	6.82	13	PASS
				RB38#39	6.88	13	PASS
				RB75#0	6.84	13	PASS
			MCH	RB1#0	5.14	13	PASS
				RB1#38	5.16	13	PASS
				RB1#74	5.59	13	PASS
				RB38#0	6.89	13	PASS
				RB38#19	6.98	13	PASS
				RB38#39	7.12	13	PASS
				RB75#0	6.98	13	PASS
		HCH	RB1#0	5.19	13	PASS	
			RB1#38	4.84	13	PASS	
			RB1#74	5.07	13	PASS	
RB38#0	6.76		13	PASS			
RB38#19	6.62		13	PASS			
RB38#39	6.7		13	PASS			
RB75#0	6.79		13	PASS			
20	LCH	RB1#0	5.16	13	PASS		
		RB1#50	4.95	13	PASS		



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[dB]	Limit [dB]	Verdict
				RB1#99	4.92	13	PASS
				RB50#0	7.01	13	PASS
				RB50#25	6.63	13	PASS
				RB50#50	6.88	13	PASS
				RB100#0	7.06	13	PASS
			MCH	RB1#0	4.96	13	PASS
				RB1#50	5.06	13	PASS
				RB1#99	5.42	13	PASS
				RB50#0	6.75	13	PASS
				RB50#25	6.99	13	PASS
				RB50#50	7.05	13	PASS
			HCH	RB100#0	7.21	13	PASS
				RB1#0	5.44	13	PASS
				RB1#50	4.72	13	PASS
				RB1#99	4.93	13	PASS
				RB50#0	6.82	13	PASS
				RB50#25	6.54	13	PASS
			BAND7	LTE/TM1	5	LCH	RB50#50
RB100#0	7.08	13					PASS
RB1#0	3.33	13					PASS
RB1#13	3.44	13					PASS
RB1#24	3.55	13					PASS
RB12#0	5.26	13					PASS
RB12#6	5.35	13					PASS
RB12#13	5.46	13				PASS	
MCH	RB25#0	5.65				13	PASS
	RB1#0	3.59				13	PASS
	RB1#13	3.6				13	PASS
	RB1#24	3.62				13	PASS
	RB12#0	5.45				13	PASS
	RB12#6	5.38				13	PASS
HCH	RB12#13	5.46				13	PASS
	RB25#0	5.86				13	PASS
	RB1#0	3.62				13	PASS
	RB1#13	3.56				13	PASS
				RB1#24	3.54	13	PASS

Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[ dB]	Limit [dB]	Verdict			
				RB12#0	5.41	13	PASS			
				RB12#6	5.34	13	PASS			
				RB12#13	5.44	13	PASS			
				RB25#0	5.89	13	PASS			
		10	LCH		RB1#0	3.41	13	PASS		
					RB1#25	3.62	13	PASS		
					RB1#49	3.77	13	PASS		
					RB25#0	5.58	13	PASS		
					RB25#13	5.53	13	PASS		
					RB25#25	5.74	13	PASS		
					RB50#0	5.89	13	PASS		
					MCH		RB1#0	3.72	13	PASS
							RB1#25	3.74	13	PASS
							RB1#49	3.89	13	PASS
			RB25#0	5.7			13	PASS		
			RB25#13	5.7			13	PASS		
			RB25#25	5.78			13	PASS		
			HCH		RB1#0	4	13	PASS		
					RB1#25	3.82	13	PASS		
					RB1#49	3.69	13	PASS		
					RB25#0	5.98	13	PASS		
					RB25#13	5.8	13	PASS		
					RB25#25	5.7	13	PASS		
			15	LCH		RB1#0	3.43	13	PASS	
		RB1#38				3.58	13	PASS		
		RB1#74				3.72	13	PASS		
		RB36#0				5.67	13	PASS		
		RB36#18				5.69	13	PASS		
		RB36#39				5.86	13	PASS		
		RB75#0				6.15	13	PASS		
		MCH			RB1#0	3.63	13	PASS		
					RB1#38	3.57	13	PASS		
RB1#74	3.79				13	PASS				
RB36#0	5.71				13	PASS				
RB36#18	5.74				13	PASS				
RB36#39	5.72				13	PASS				
RB75#0	6.2				13	PASS				



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[ dB]	Limit [dB]	Verdict
		20	HCH	RB1#0	3.95	13	PASS
				RB1#38	3.75	13	PASS
				RB1#74	3.62	13	PASS
				RB36#0	6.02	13	PASS
				RB36#18	5.97	13	PASS
				RB36#39	5.74	13	PASS
				RB75#0	6.36	13	PASS
			LCH	RB1#0	3.59	13	PASS
				RB1#50	3.75	13	PASS
				RB1#99	3.83	13	PASS
				RB50#0	5.6	13	PASS
				RB50#25	5.69	13	PASS
				RB50#50	5.81	13	PASS
				RB100#0	6.14	13	PASS
		MCH	RB1#0	3.73	13	PASS	
			RB1#50	3.73	13	PASS	
			RB1#99	3.96	13	PASS	
			RB50#0	5.73	13	PASS	
			RB50#25	5.76	13	PASS	
			RB50#50	5.79	13	PASS	
	HCH	RB100#0	6.08	13	PASS		
		RB1#0	4.05	13	PASS		
		RB1#50	4.1	13	PASS		
		RB1#99	3.75	13	PASS		
		RB50#0	6.03	13	PASS		
		RB50#25	6.08	13	PASS		
	LTE/TM2	5	LCH	RB50#50	5.81	13	PASS
				RB100#0	6.22	13	PASS
				RB1#0	4.43	13	PASS
				RB1#13	4.5	13	PASS
				RB1#24	4.63	13	PASS
				RB12#0	5.92	13	PASS
RB12#6				5.97	13	PASS	
MCH			RB12#13	6.03	13	PASS	
			RB25#0	6.69	13	PASS	
			RB1#0	4.75	13	PASS	
			RB1#13	4.67	13	PASS	
			RB1#24	4.74	13	PASS	
	RB12#0		6.15	13	PASS		



Test Band(For LTE)	Test Mode	Test Bandwidth (MHz)	Test Channel	Test RB	Measured[ dB]	Limit [dB]	Verdict	
				RB12#6	6.09	13	PASS	
				RB12#13	6.14	13	PASS	
				RB25#0	6.81	13	PASS	
			HCH	RB1#0	4.81	13	PASS	
				RB1#13	4.65	13	PASS	
				RB1#24	4.68	13	PASS	
				RB12#0	6.13	13	PASS	
				RB12#6	6.05	13	PASS	
				RB12#13	6.05	13	PASS	
				RB25#0	6.77	13	PASS	
				LCH	RB1#0	4.08	13	PASS
					RB1#25	4.19	13	PASS
			RB1#49		4.44	13	PASS	
			RB25#0		6.33	13	PASS	
			RB25#13		6.31	13	PASS	
			RB25#25		6.47	13	PASS	
			RB50#0		6.74	13	PASS	
			MCH	RB1#0	4.36	13	PASS	
		RB1#25		4.39	13	PASS		
		RB1#49		4.49	13	PASS		
		RB25#0		6.45	13	PASS		
		RB25#13		6.41	13	PASS		
		RB25#25		6.53	13	PASS		
		RB50#0		6.96	13	PASS		
		HCH	RB1#0	4.71	13	PASS		
			RB1#25	4.63	13	PASS		
			RB1#49	4.51	13	PASS		
			RB25#0	6.69	13	PASS		
			RB25#13	6.45	13	PASS		
			RB25#25	6.51	13	PASS		
			RB50#0	6.84	13	PASS		
		15	LCH	RB1#0	4.09	13	PASS	
				RB1#38	4.33	13	PASS	
				RB1#74	4.52	13	PASS	
				RB36#0	6.56	13	PASS	
				RB36#18	6.58	13	PASS	
				RB36#39	6.72	13	PASS	
				RB75#0	6.87	13	PASS	
			MCH	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#38	4.37	13	PASS	
				RB1#74	4.58	13	PASS	
				RB36#0	6.64	13	PASS	
				RB36#18	6.71	13	PASS	
				RB36#39	6.76	13	PASS	
				RB75#0	6.94	13	PASS	
			HCH	RB1#0	4.96	13	PASS	
				RB1#38	4.68	13	PASS	
				RB1#74	4.44	13	PASS	
				RB36#0	7.04	13	PASS	
				RB36#18	6.94	13	PASS	
				RB36#39	6.73	13	PASS	
			20	LCH	RB75#0	6.83	13	PASS
					RB1#0	4.11	13	PASS
					RB1#50	4.39	13	PASS
		RB1#99			4.52	13	PASS	
		RB50#0			6.59	13	PASS	
		RB50#25			6.66	13	PASS	
		MCH		RB50#50	6.77	13	PASS	
				RB100#0	6.99	13	PASS	
				RB1#0	4.51	13	PASS	
				RB1#50	4.48	13	PASS	
				RB1#99	4.74	13	PASS	
				RB50#0	6.61	13	PASS	
		HCH		RB50#25	6.67	13	PASS	
				RB50#50	6.81	13	PASS	
				RB100#0	6.96	13	PASS	
			RB1#0	4.68	13	PASS		
			RB1#50	4.69	13	PASS		
			RB1#99	4.41	13	PASS		
				RB50#0	6.98	13	PASS	
				RB50#25	6.94	13	PASS	
				RB50#50	6.75	13	PASS	
				RB100#0	7.1	13	PASS	

### 3Appendix\_C: Modulation Characteristics

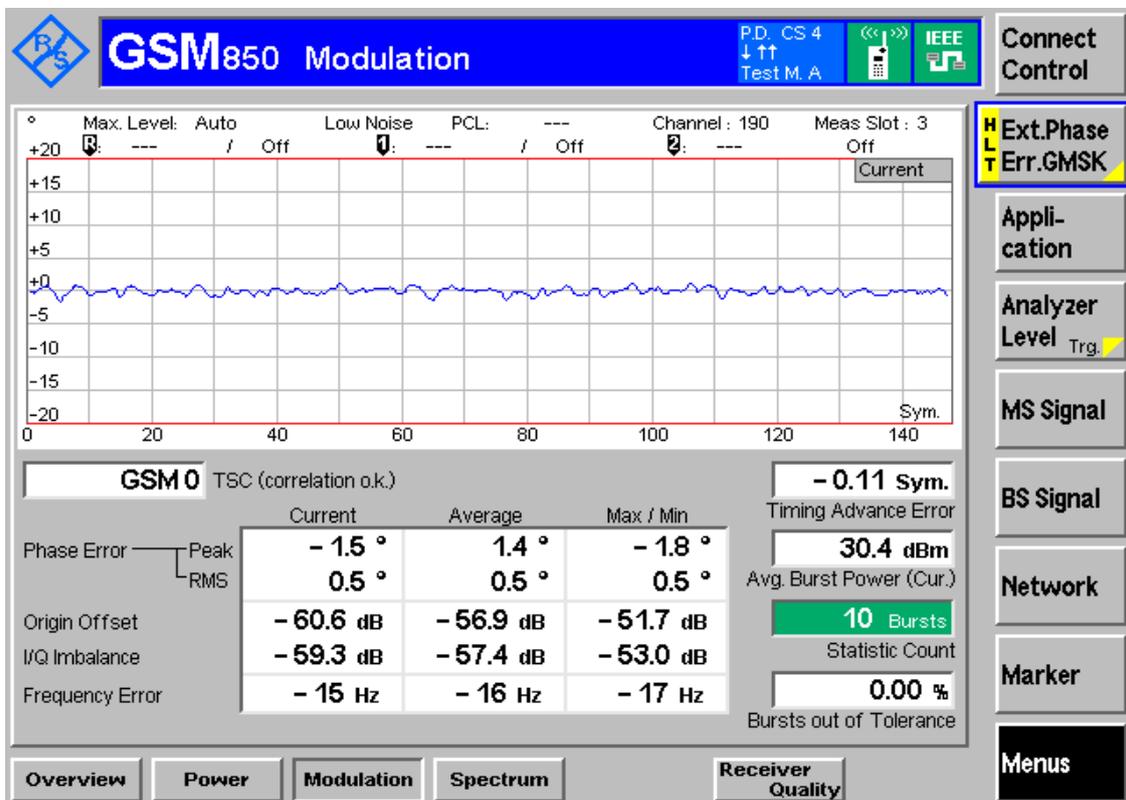
#### Part I - Test Plots

#### 3.1 For GSM

#### 3.1.1 Test Band = GSM850

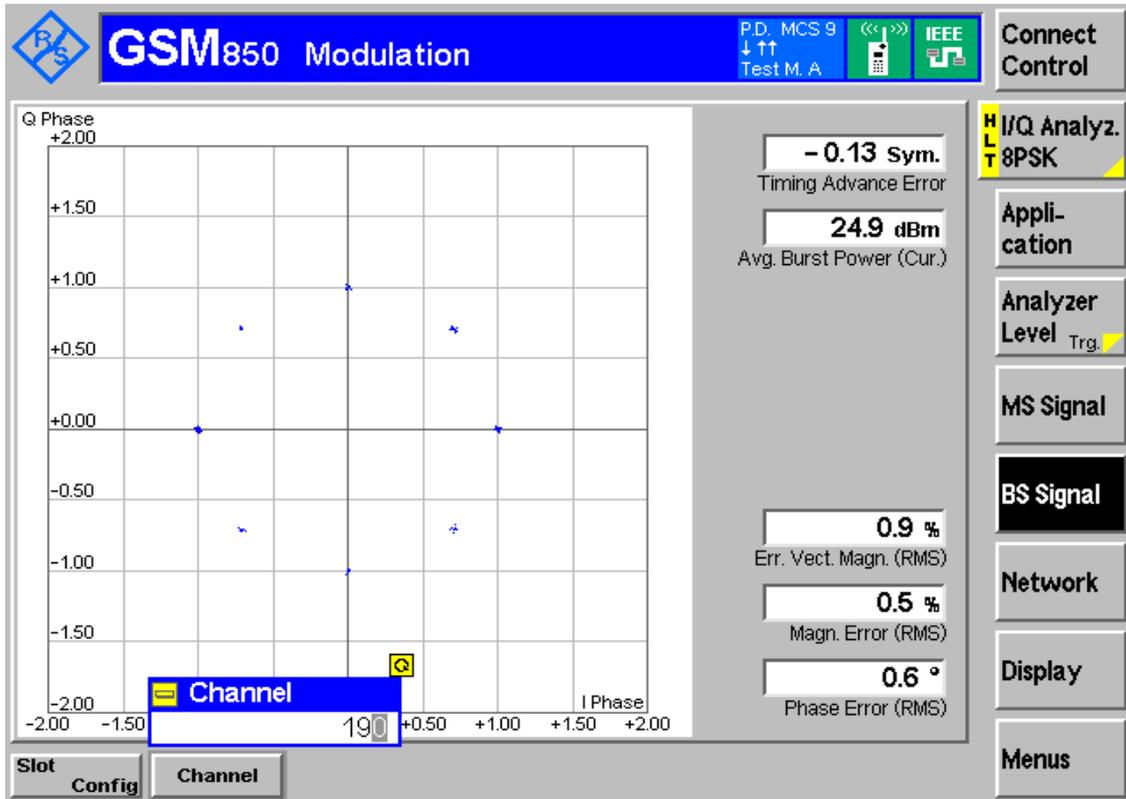
#### 3.1.1.1 Test Mode = GSM/TM1

#### 3.1.1.1.1 Test Channel = MCH



### 3.1.1.2 Test Mode = GSM/TM2

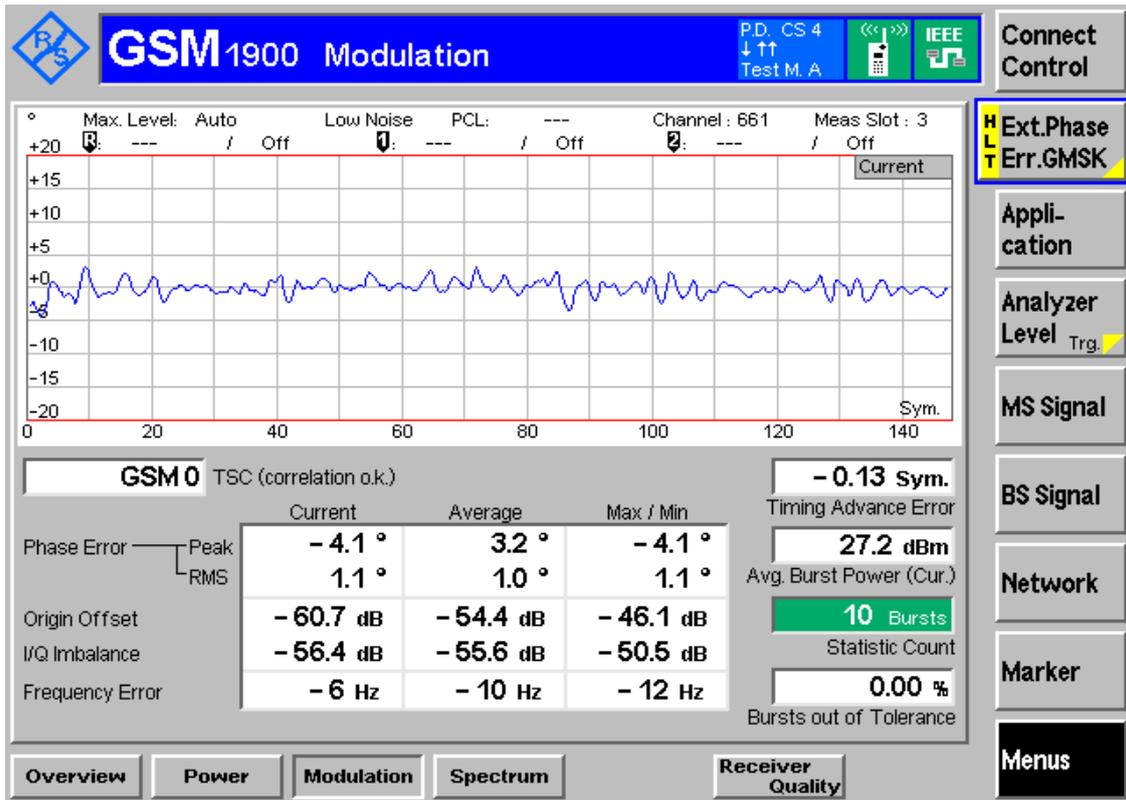
#### 3.1.1.2.1 Test Channel = MCH



### 3.1.2 Test Band = GSM1900

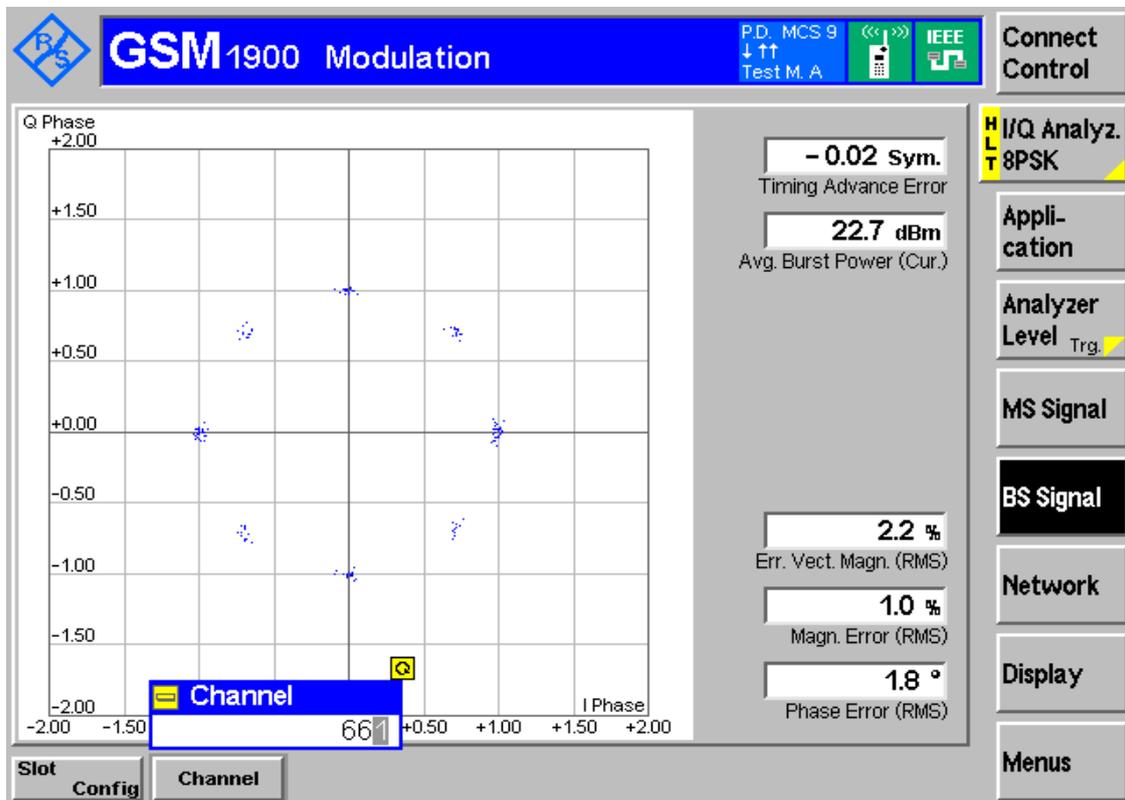
#### 3.1.2.1 Test Mode = GSM/TM1

##### 3.1.2.1.1 Test Channel = MCH



### 3.1.2.2 Test Mode = GSM/TM2

#### 3.1.2.2.1 Test Channel = MCH

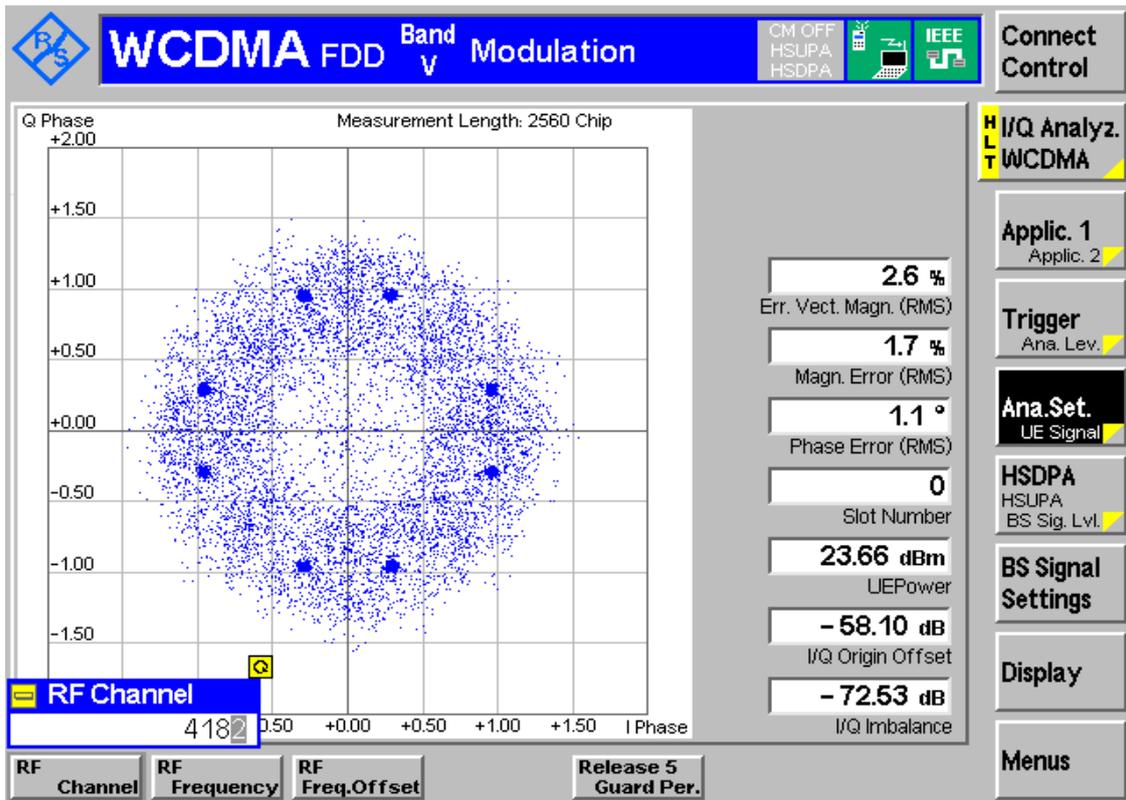


### 3.2 For UMTS

#### 3.2.1 Test Band = WCDMA850

##### 3.2.1.1 Test Mode = UMTS/TM1

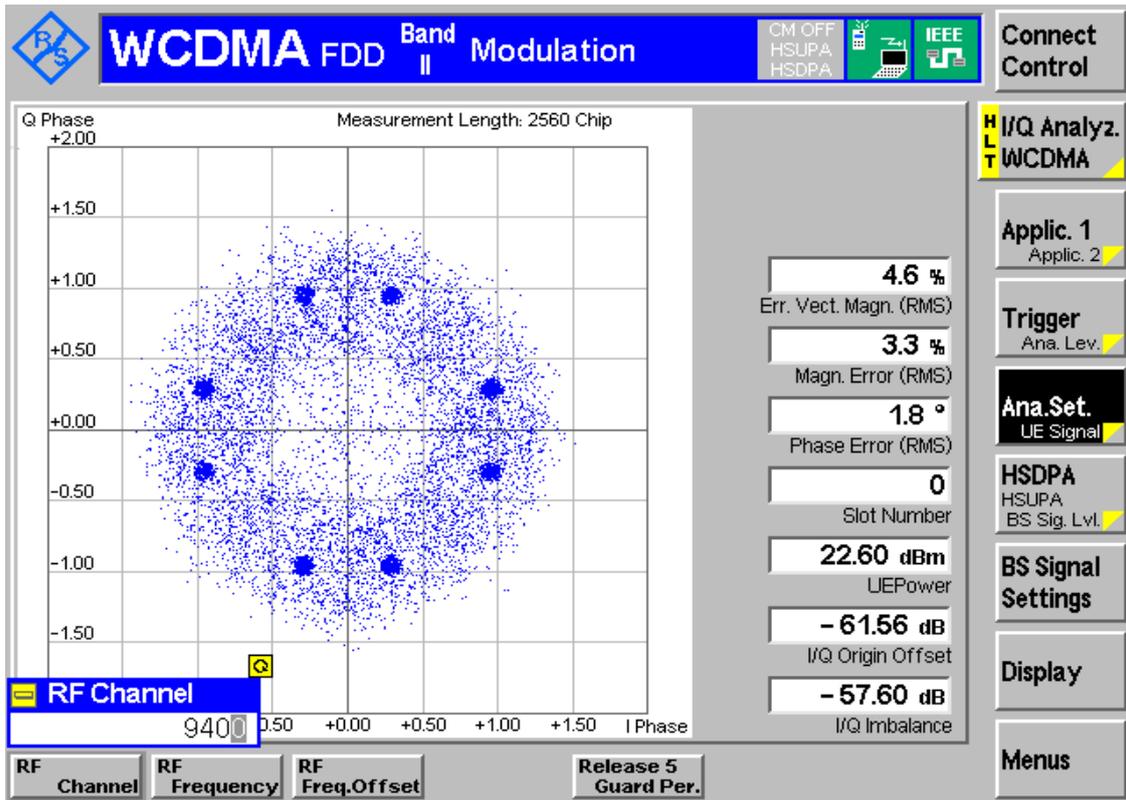
##### 3.2.1.1.1 Test Channel = MCH



### 3.2.2 Test Band = WCDMA1900

#### 3.2.2.1 Test Mode = UMTS/TM1

##### 3.2.2.1.1 Test Channel = MCH



### 3.3 For LTE

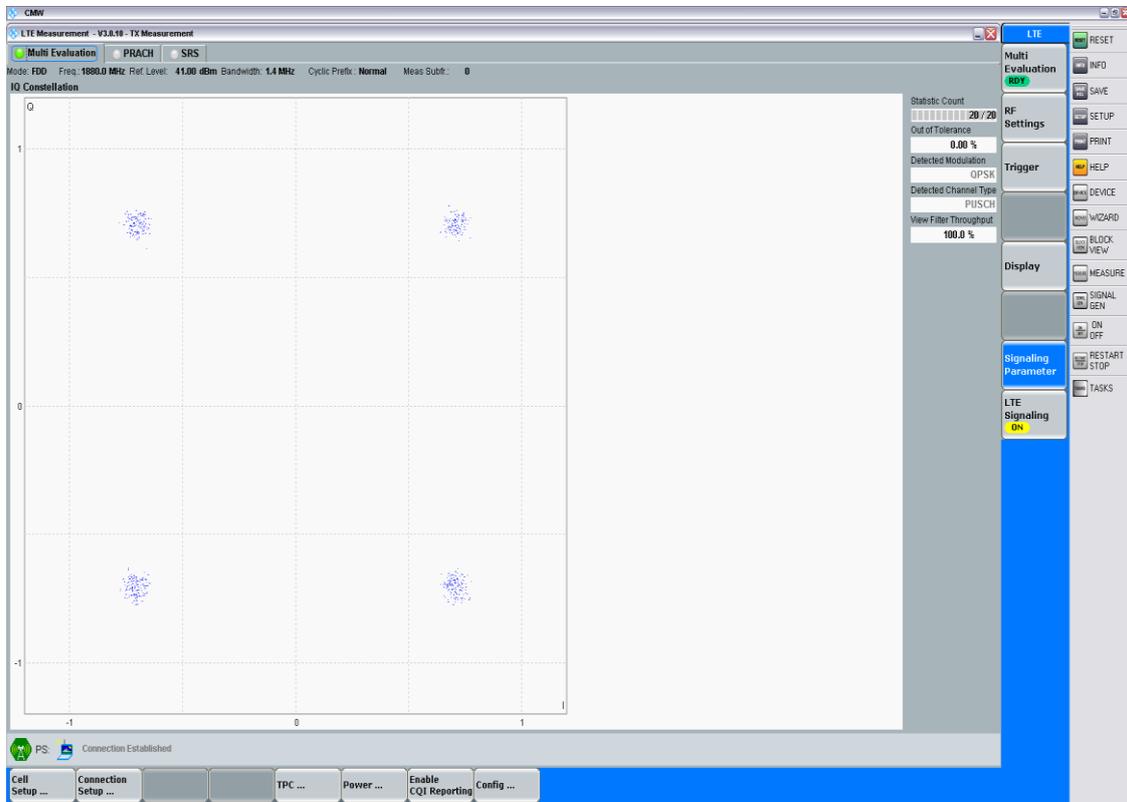
#### 3.3.1 Test Band = BAND2

##### 3.3.1.1 Test Mode = LTE/TM1

##### 3.3.1.1.1 Test Bandwidth = 1.4

##### 3.3.1.1.1.1 Test Channel = MCH

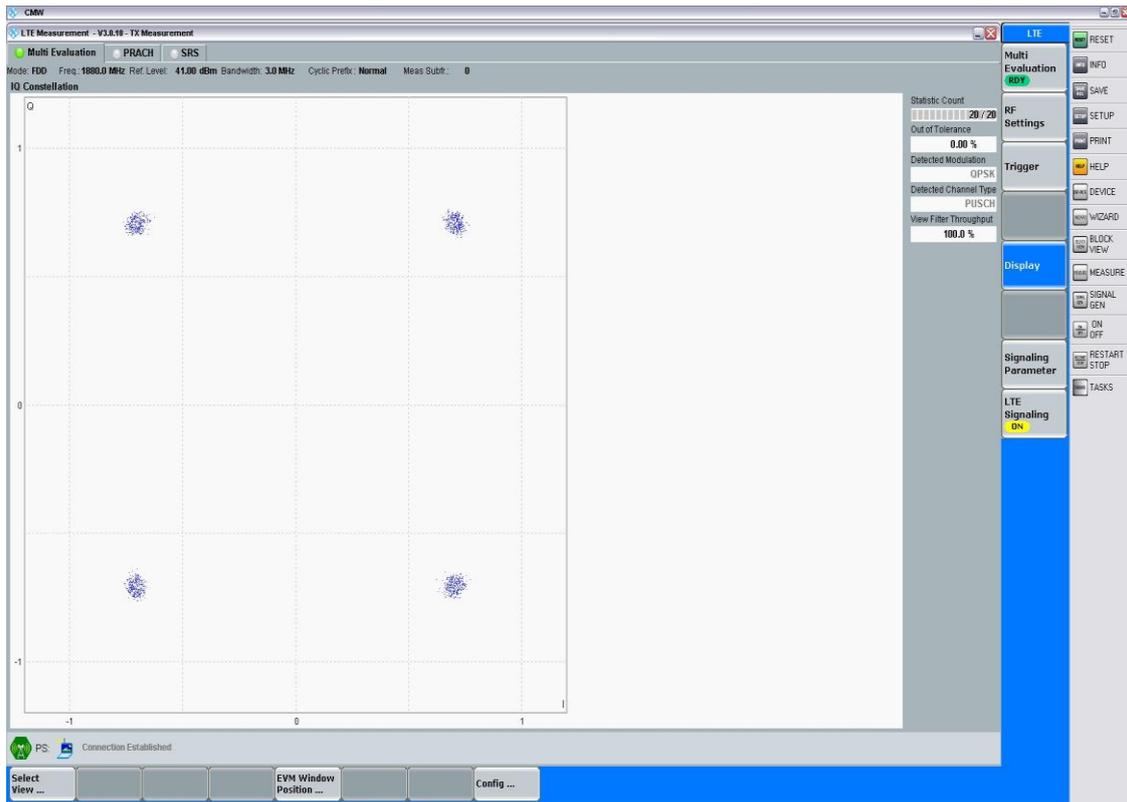
##### 3.3.1.1.1.1.1 Test RB = RB6#0



### 3.3.1.1.2 Test Bandwidth = 3

#### 3.3.1.1.2.1 Test Channel = MCH

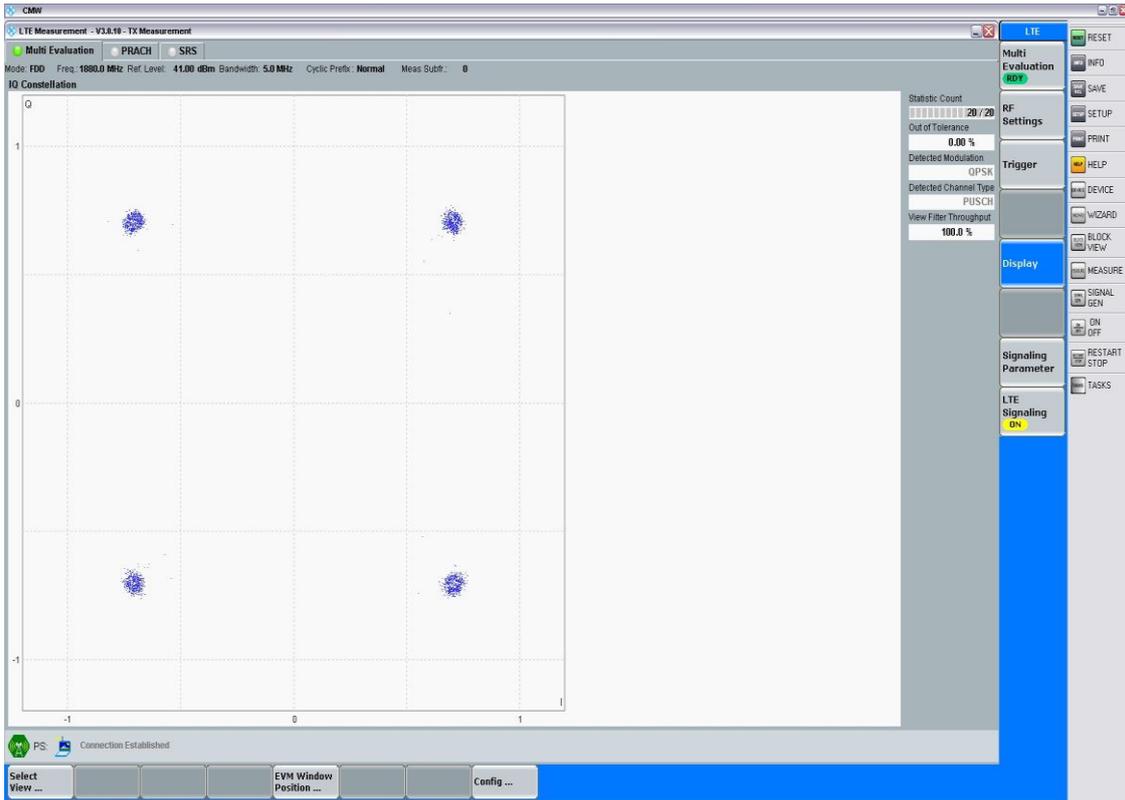
##### 3.3.1.1.2.1.1 Test RB = RB15#0



### 3.3.1.1.3 Test Bandwidth = 5

#### 3.3.1.1.3.1 Test Channel = MCH

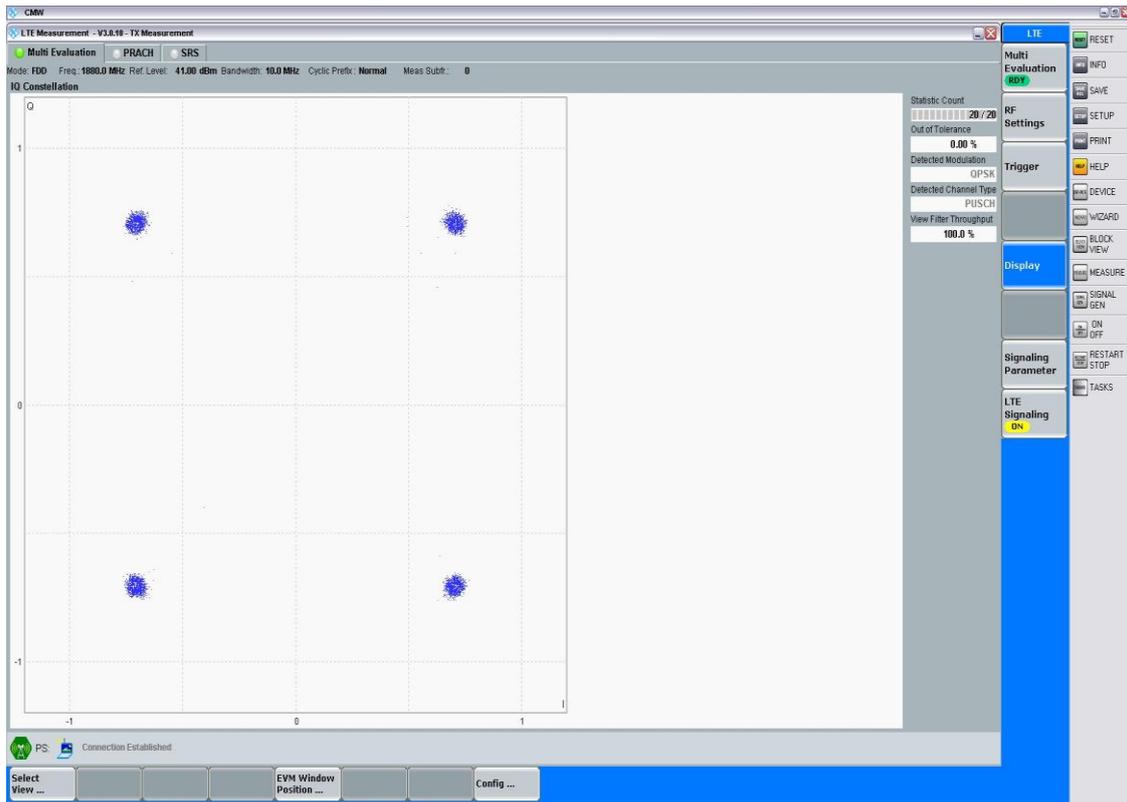
##### 3.3.1.1.3.1.1 Test RB = RB25#0



### 3.3.1.1.4 Test Bandwidth = 10

#### 3.3.1.1.4.1 Test Channel = MCH

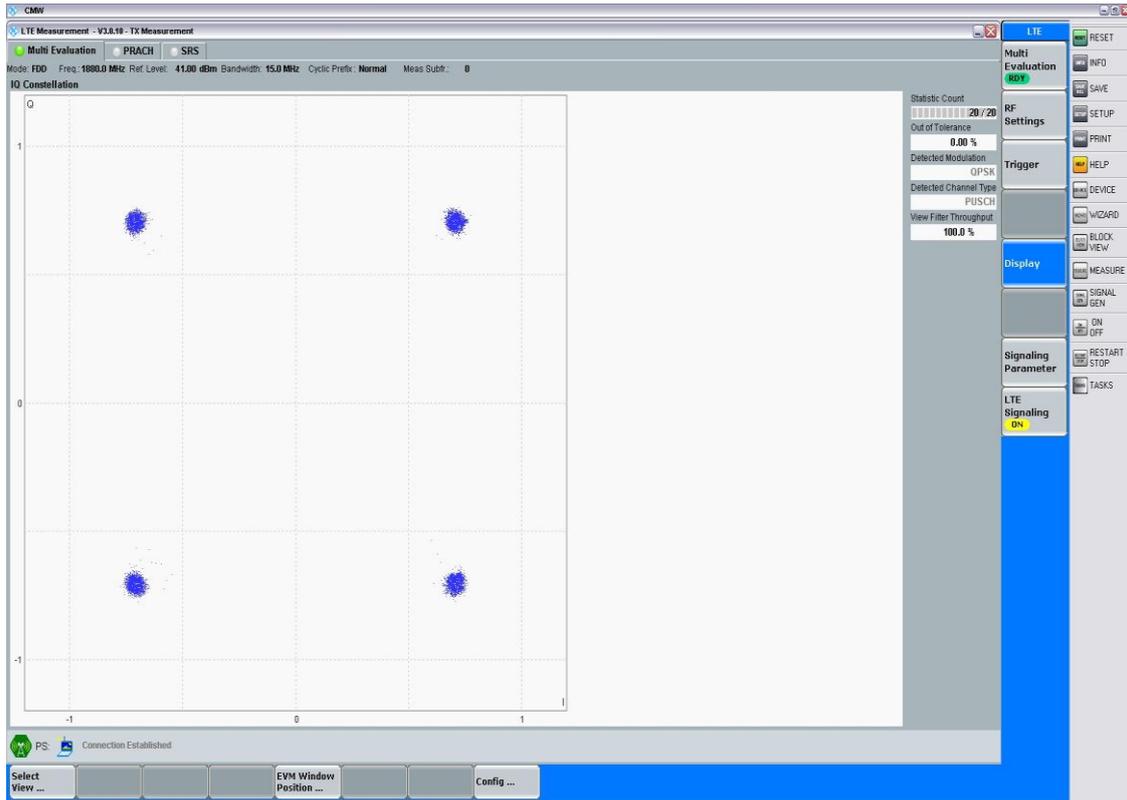
##### 3.3.1.1.4.1.1 Test RB = RB50#0



### 3.3.1.1.5 Test Bandwidth = 15

#### 3.3.1.1.5.1 Test Channel = MCH

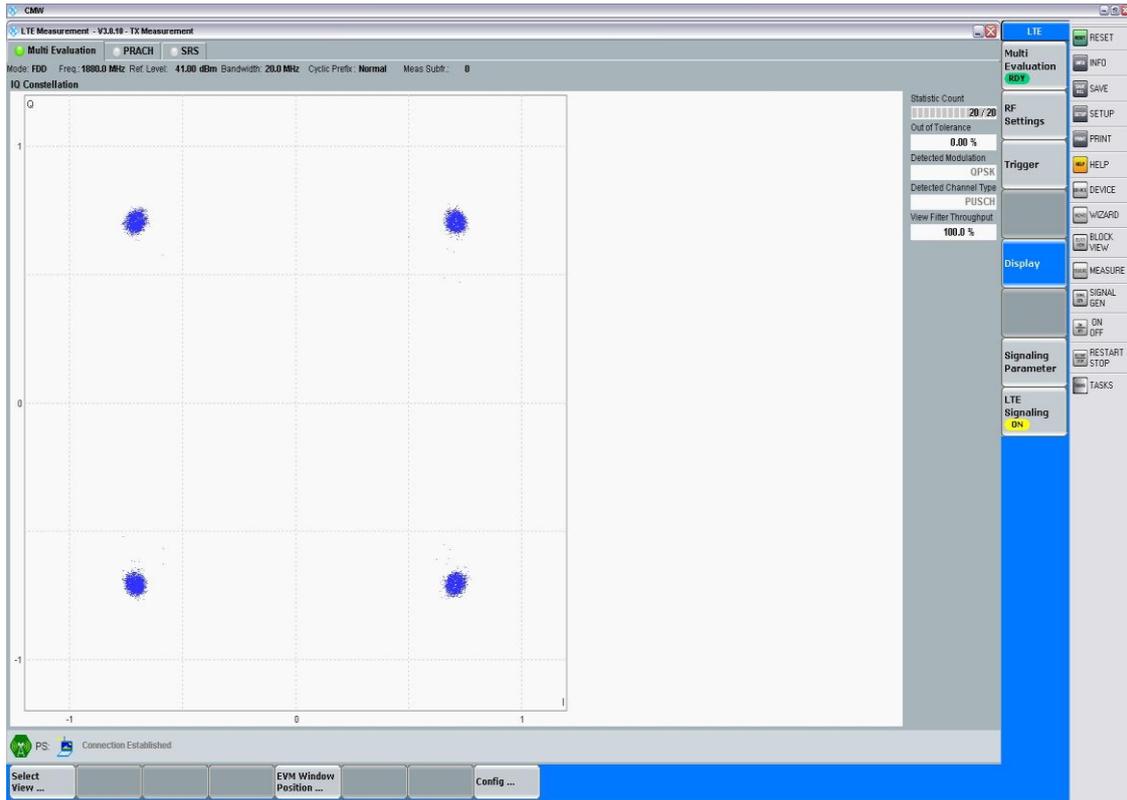
##### 3.3.1.1.5.1.1 Test RB = RB75#0



### 3.3.1.1.6 Test Bandwidth = 20

#### 3.3.1.1.6.1 Test Channel = MCH

##### 3.3.1.1.6.1.1 Test RB = RB100#0

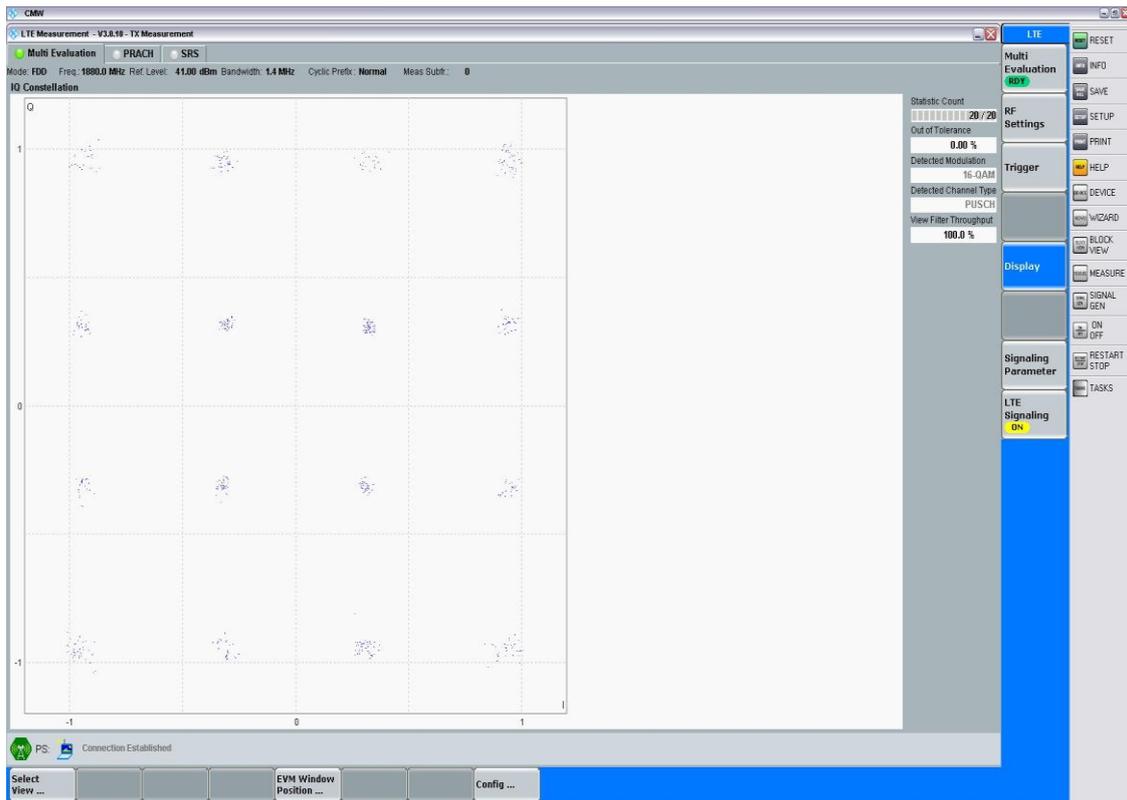


### 3.3.1.2 Test Mode = LTE/TM2

#### 3.3.1.2.1 Test Bandwidth = 1.4

##### 3.3.1.2.1.1 Test Channel = MCH

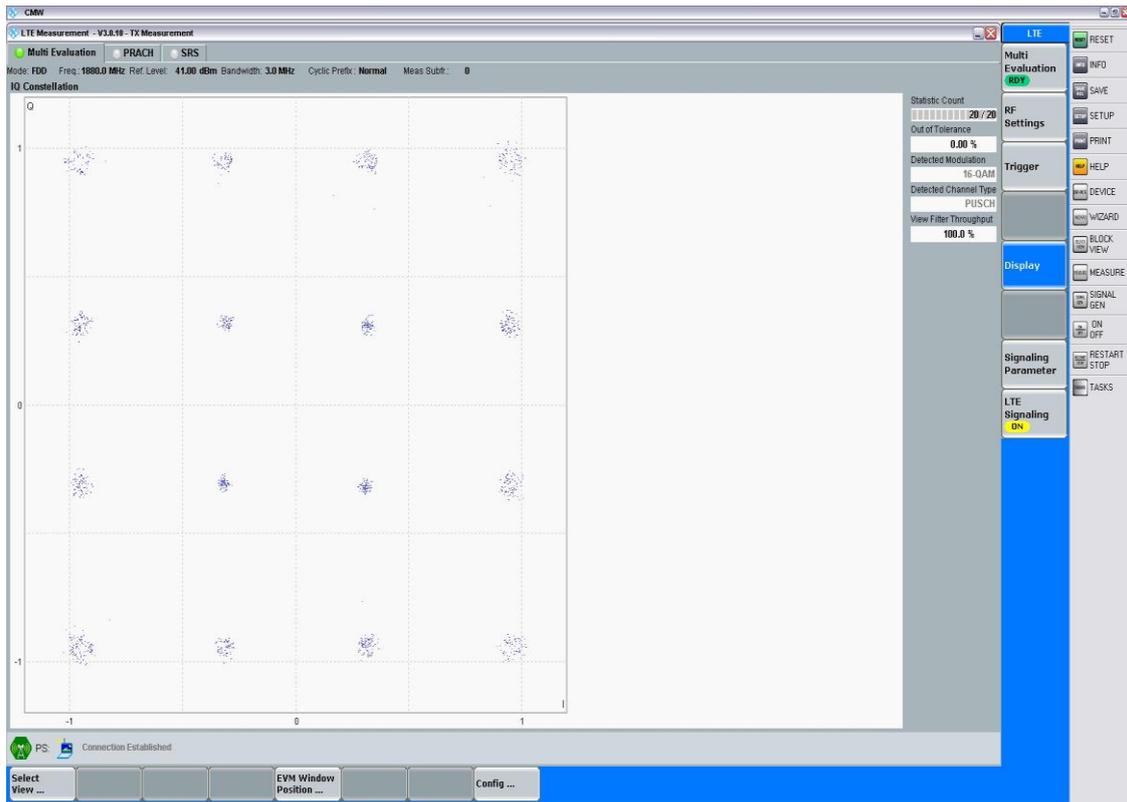
##### 3.3.1.2.1.1.1 Test RB = RB6#0



### 3.3.1.2.2 Test Bandwidth = 3

#### 3.3.1.2.2.1 Test Channel = MCH

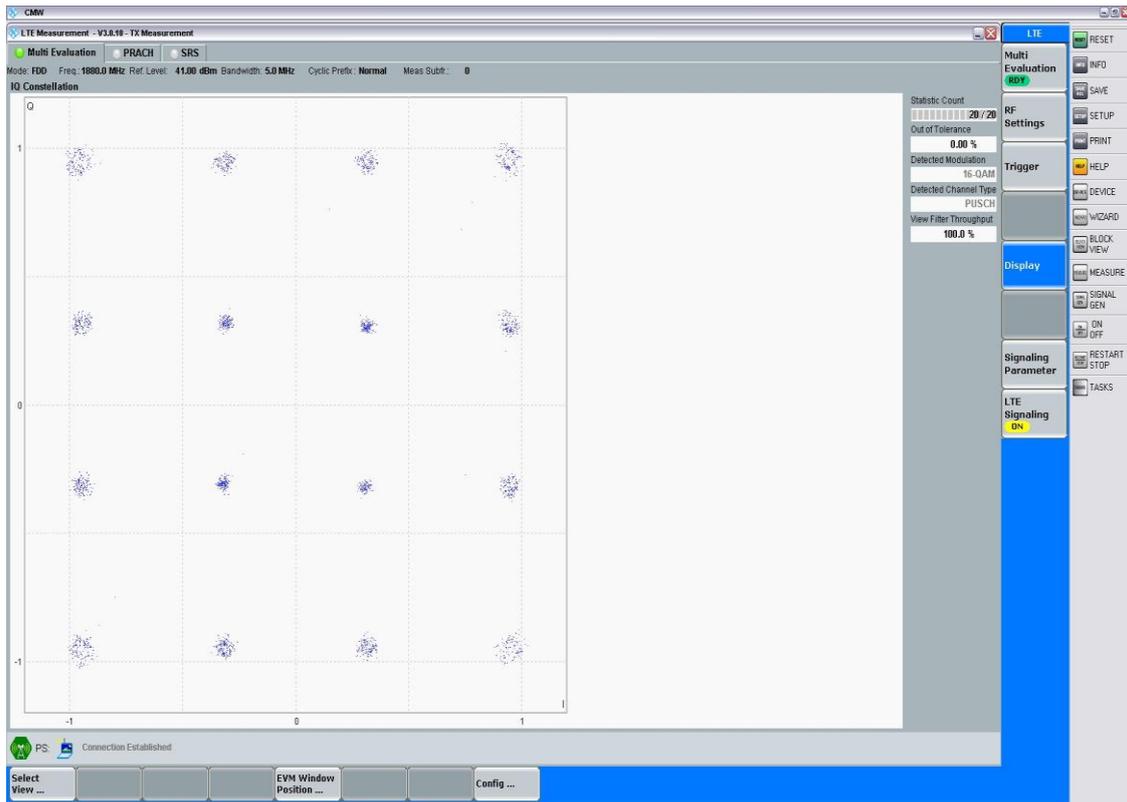
##### 3.3.1.2.2.1.1 Test RB = RB15#0



### 3.3.1.2.3 Test Bandwidth = 5

#### 3.3.1.2.3.1 Test Channel = MCH

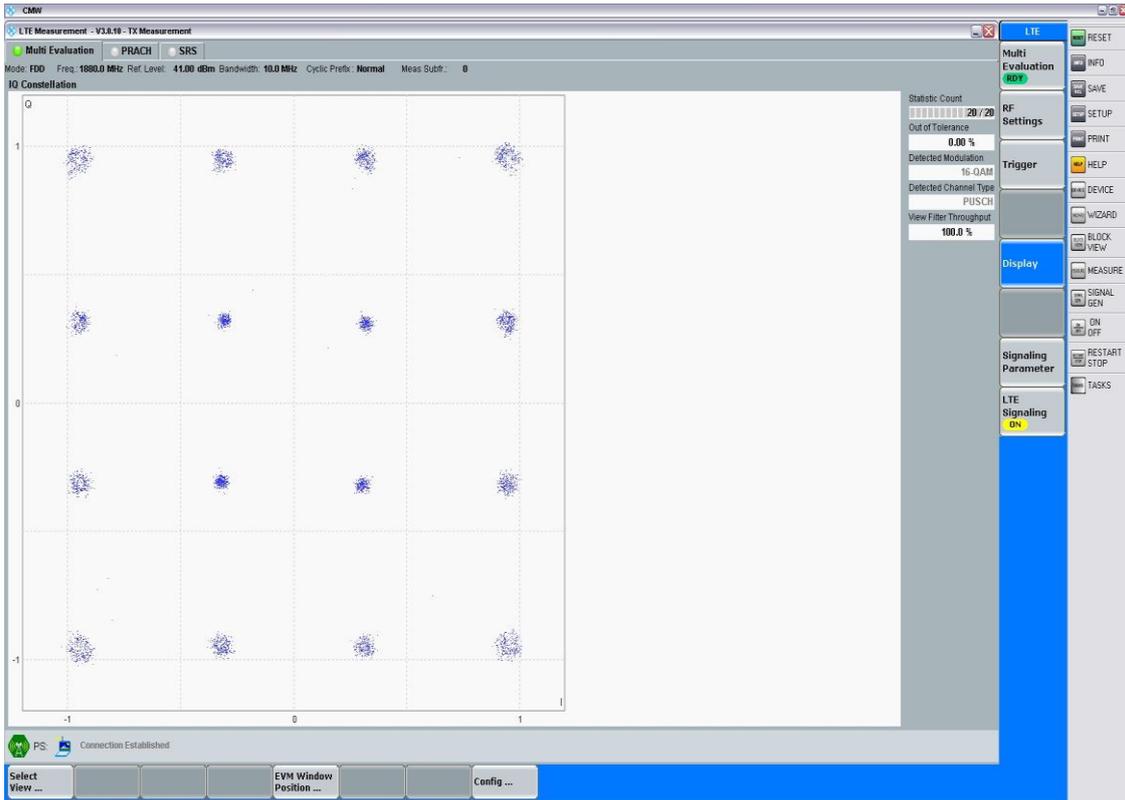
##### 3.3.1.2.3.1.1 Test RB = RB25#0



### 3.3.1.2.4 Test Bandwidth = 10

#### 3.3.1.2.4.1 Test Channel = MCH

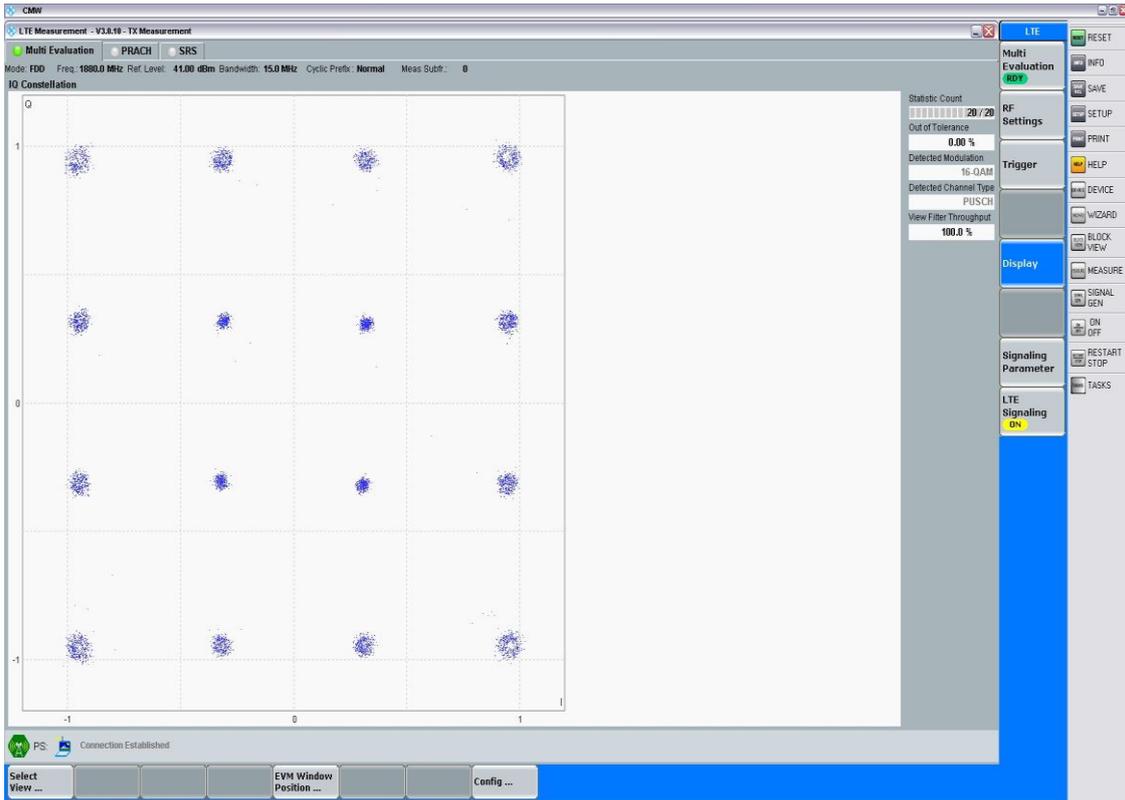
##### 3.3.1.2.4.1.1 Test RB = RB50#0



### 3.3.1.2.5 Test Bandwidth = 15

#### 3.3.1.2.5.1 Test Channel = MCH

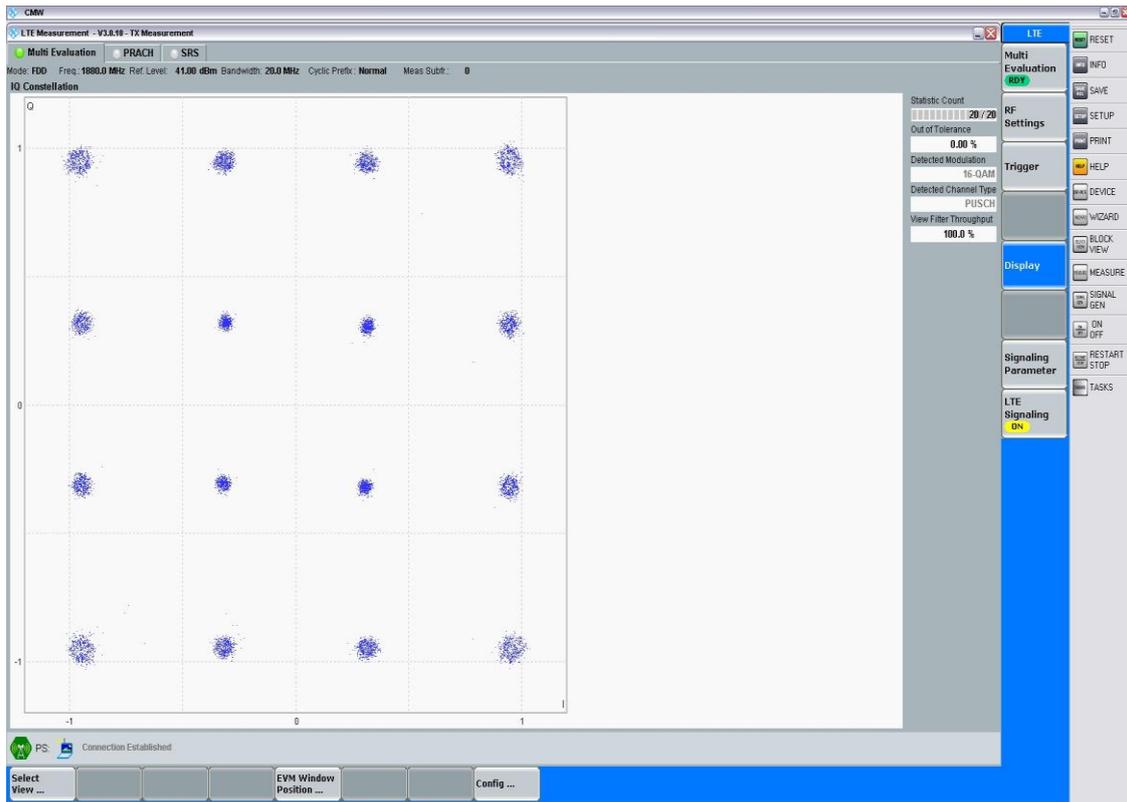
##### 3.3.1.2.5.1.1 Test RB = RB75#0



### 3.3.1.2.6 Test Bandwidth = 20

#### 3.3.1.2.6.1 Test Channel = MCH

##### 3.3.1.2.6.1.1 Test RB = RB100#0



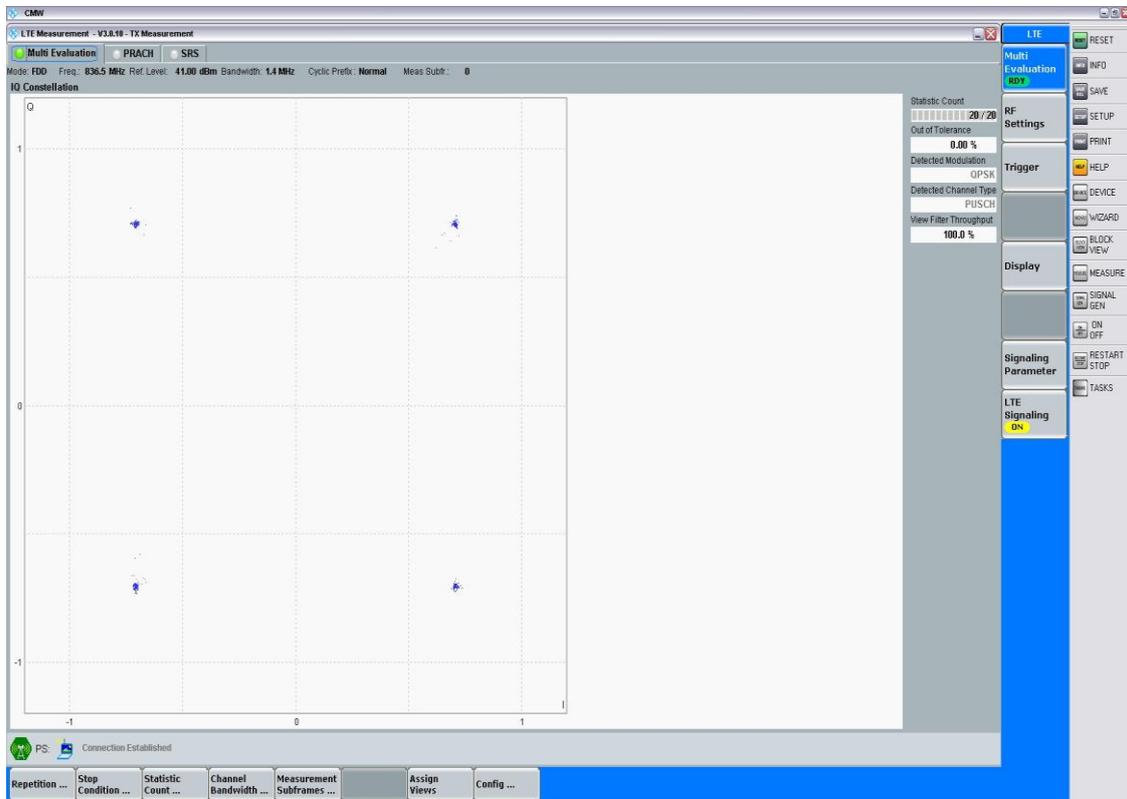
### 3.3.2 Test Band = BAND5

#### 3.3.2.1 Test Mode = LTE/TM1

##### 3.3.2.1.1 Test Bandwidth = 1.4

##### 3.3.2.1.1.1 Test Channel = MCH

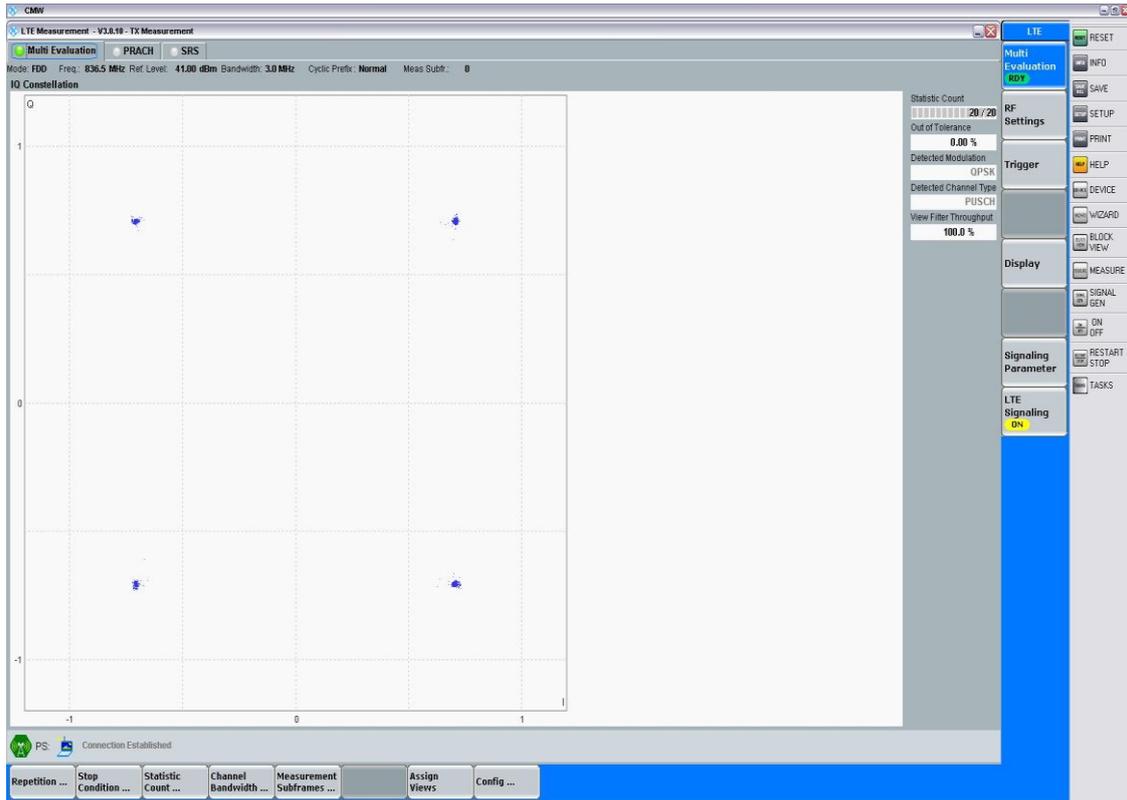
##### 3.3.2.1.1.1.1 Test RB = RB6#0



### 3.3.2.1.2 Test Bandwidth = 3

#### 3.3.2.1.2.1 Test Channel = MCH

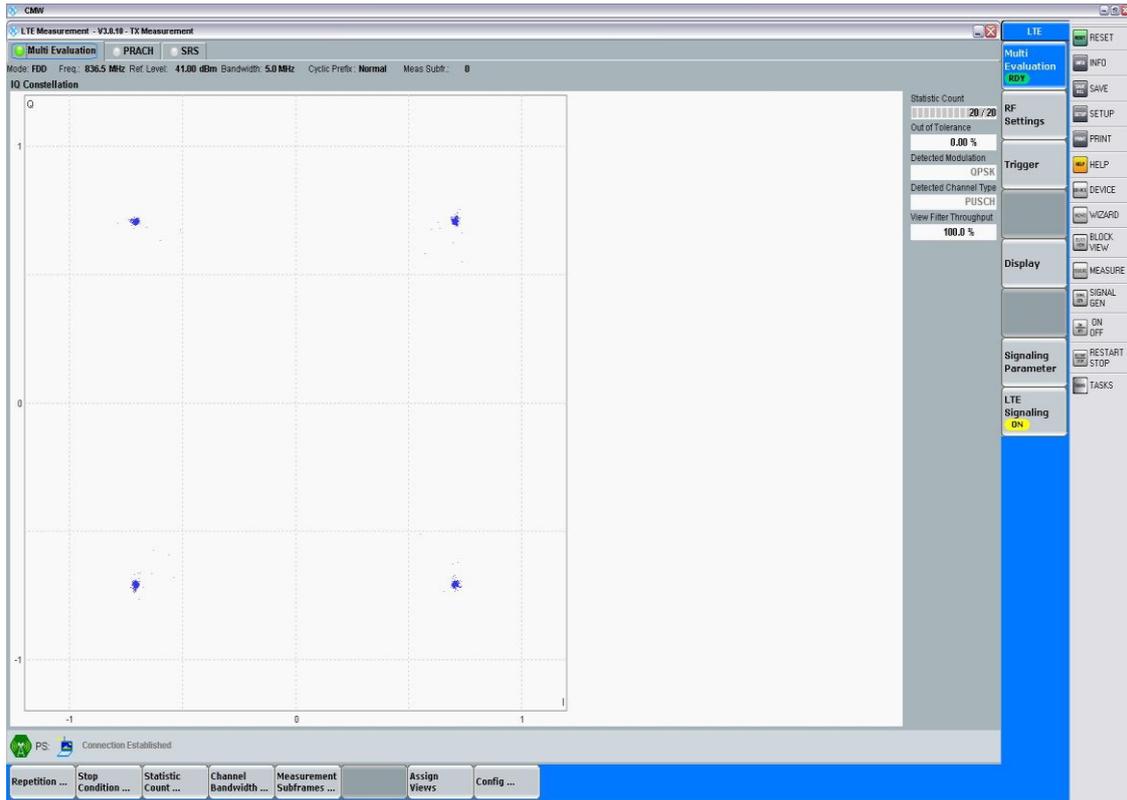
##### 3.3.2.1.2.1.1 Test RB = RB15#0



### 3.3.2.1.3 Test Bandwidth = 5

#### 3.3.2.1.3.1 Test Channel = MCH

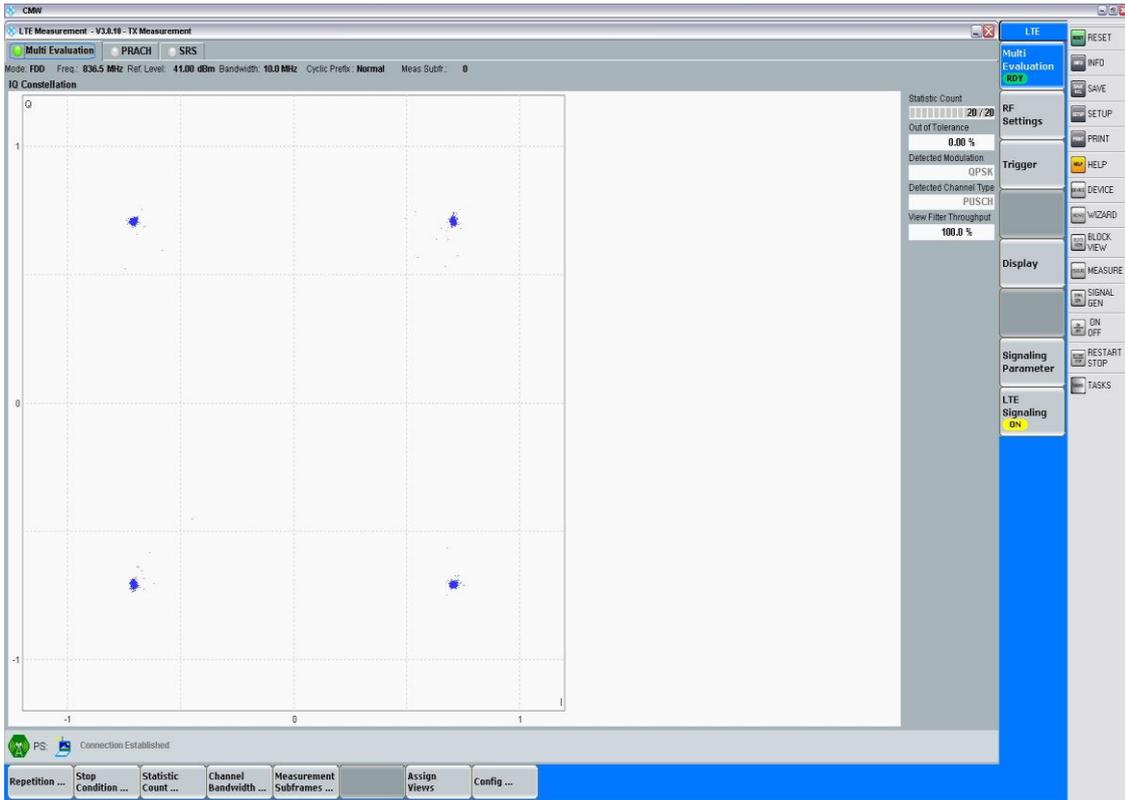
##### 3.3.2.1.3.1.1 Test RB = RB25#0



### 3.3.2.1.4 Test Bandwidth = 10

#### 3.3.2.1.4.1 Test Channel = MCH

##### 3.3.2.1.4.1.1 Test RB = RB50#0

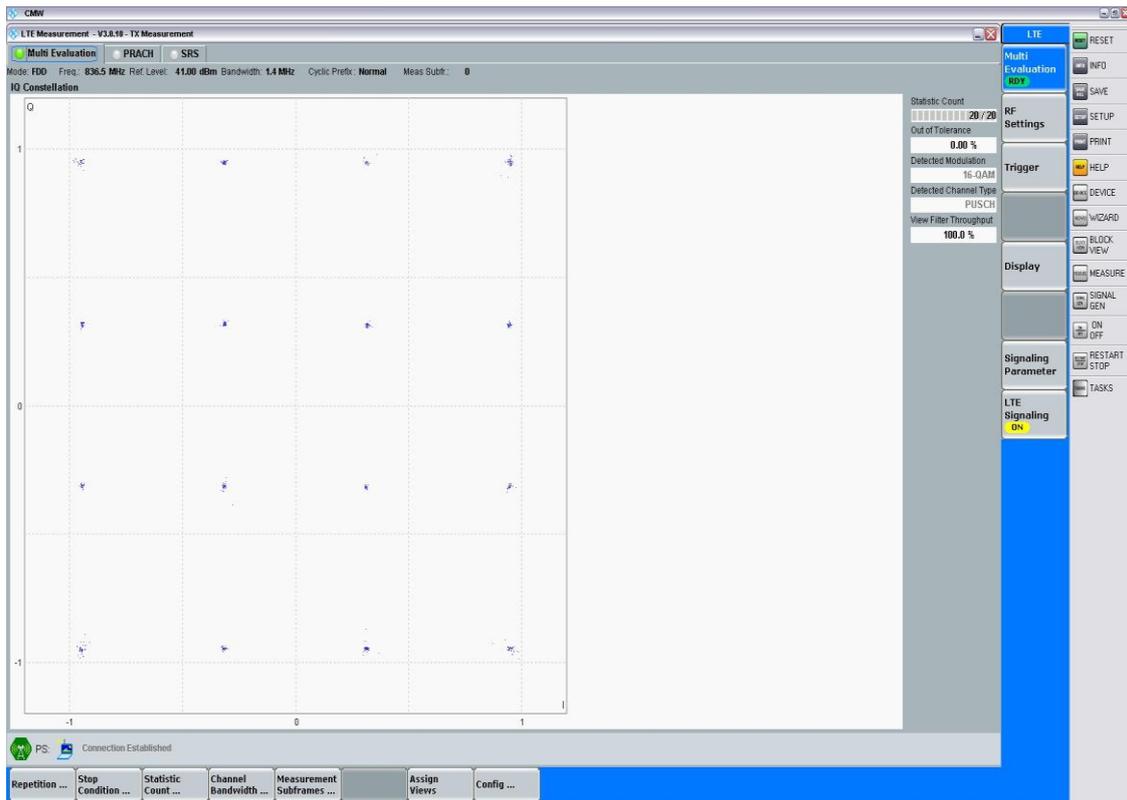


### 3.3.2.2 Test Mode = LTE/TM2

#### 3.3.2.2.1 Test Bandwidth = 1.4

##### 3.3.2.2.1.1 Test Channel = MCH

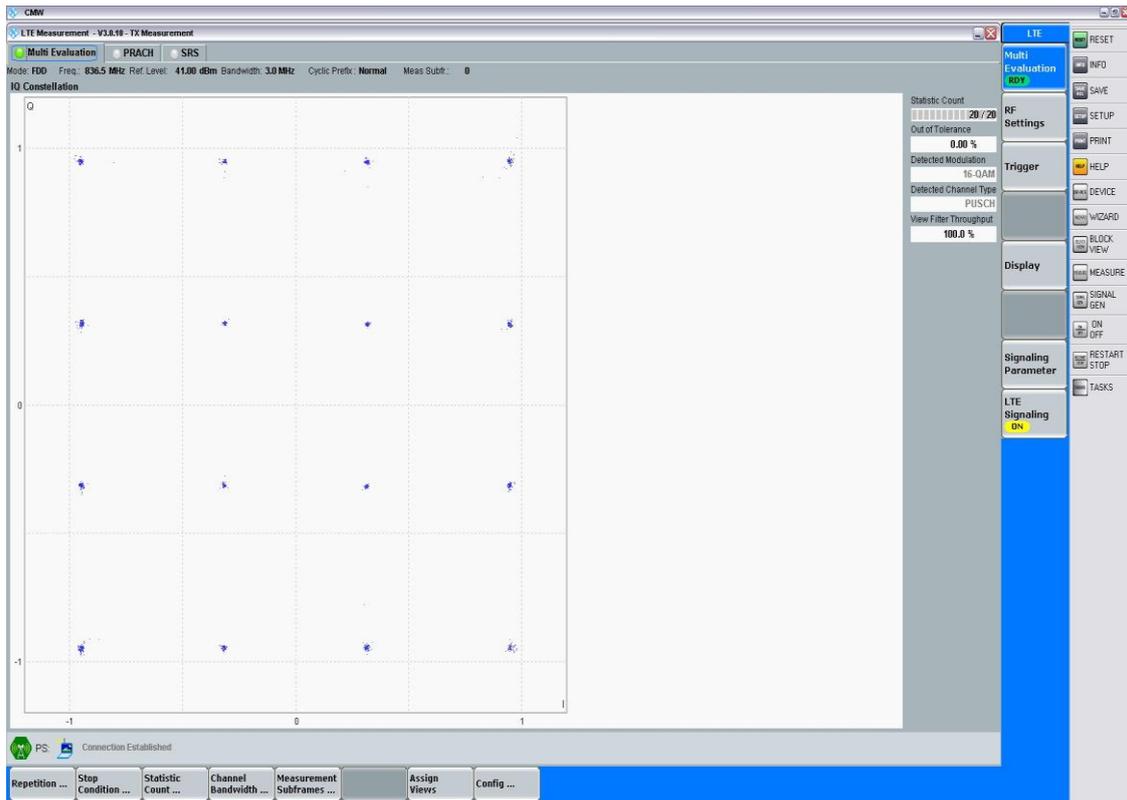
##### 3.3.2.2.1.1.1 Test RB = RB6#0



### 3.3.2.2.2 Test Bandwidth = 3

#### 3.3.2.2.2.1 Test Channel = MCH

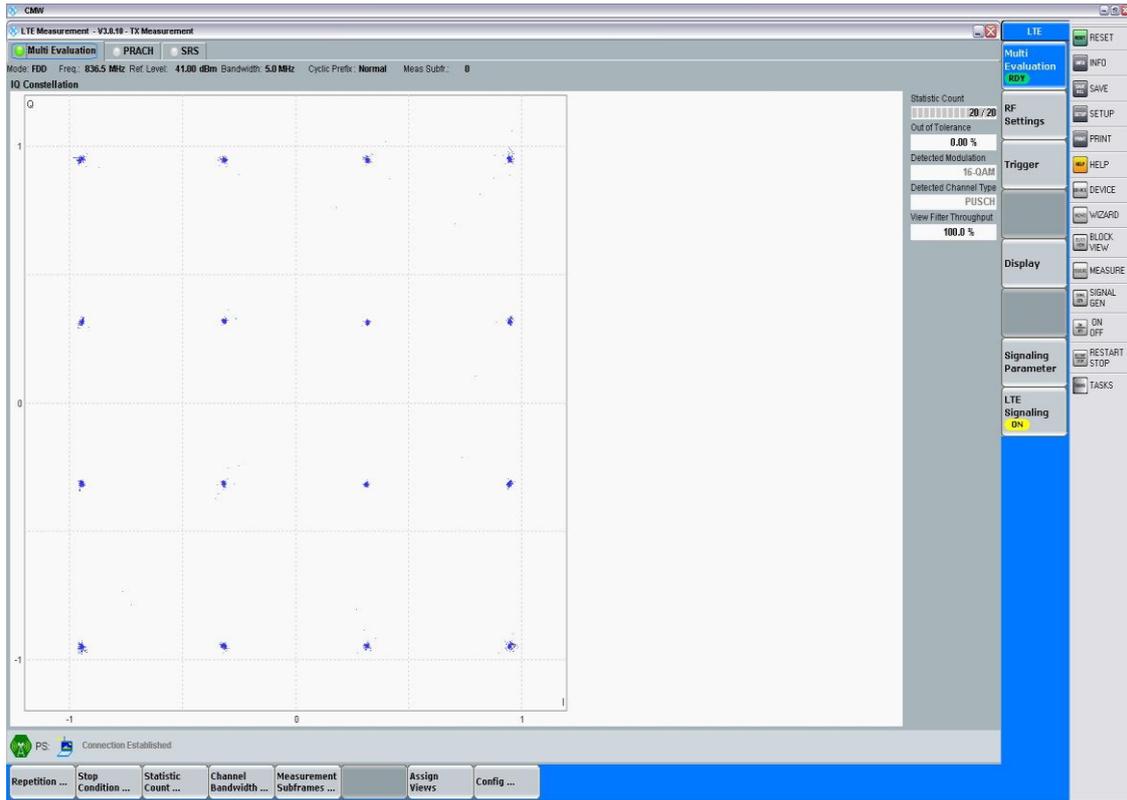
##### 3.3.2.2.2.1.1 Test RB = RB15#0



### 3.3.2.2.3 Test Bandwidth = 5

#### 3.3.2.2.3.1 Test Channel = MCH

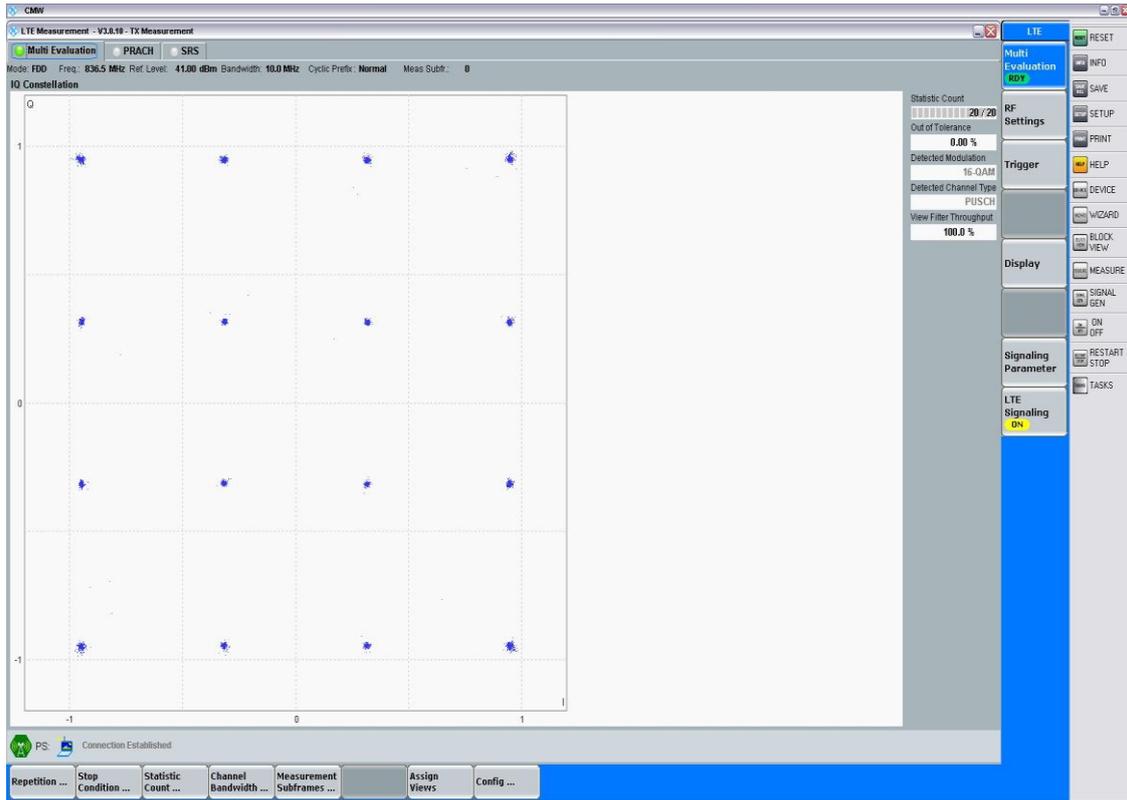
##### 3.3.2.2.3.1.1 Test RB = RB25#0



### 3.3.2.2.4 Test Bandwidth = 10

#### 3.3.2.2.4.1 Test Channel = MCH

##### 3.3.2.2.4.1.1 Test RB = RB50#0



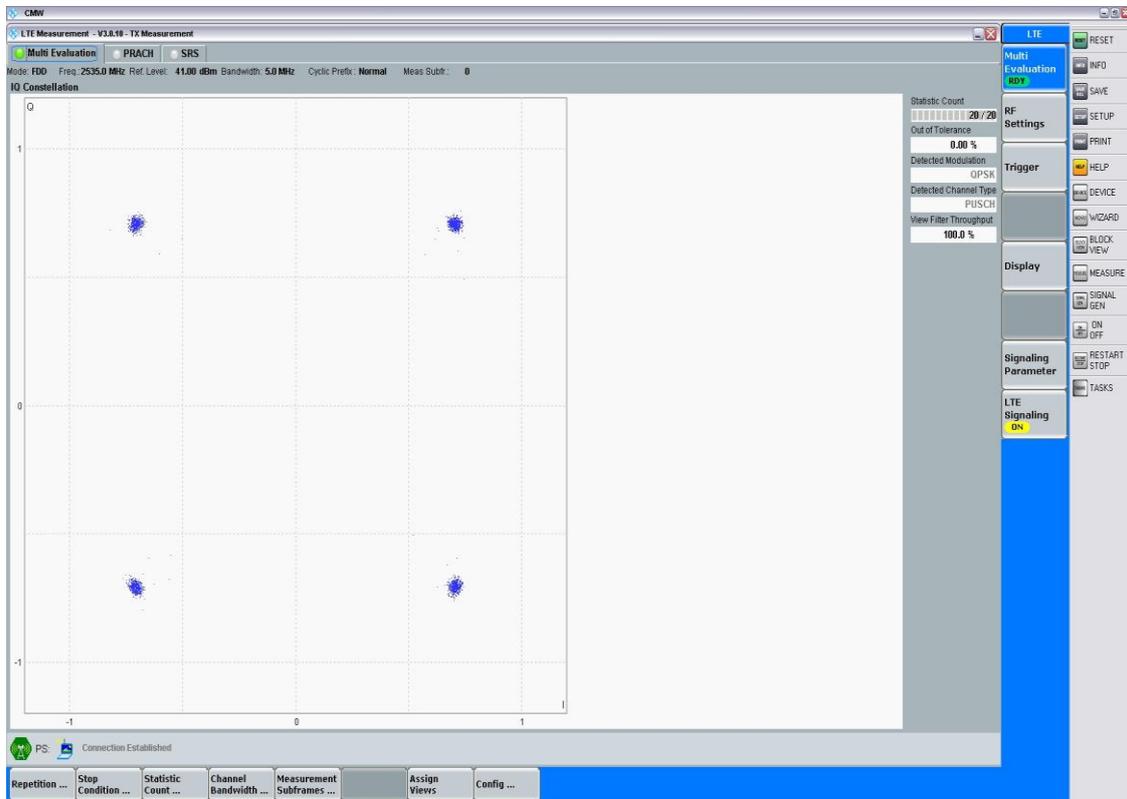
### 3.3.3 Test Band = BAND7

#### 3.3.3.1 Test Mode = LTE/TM1

##### 3.3.3.1.1 Test Bandwidth = 5

##### 3.3.3.1.1.1 Test Channel = MCH

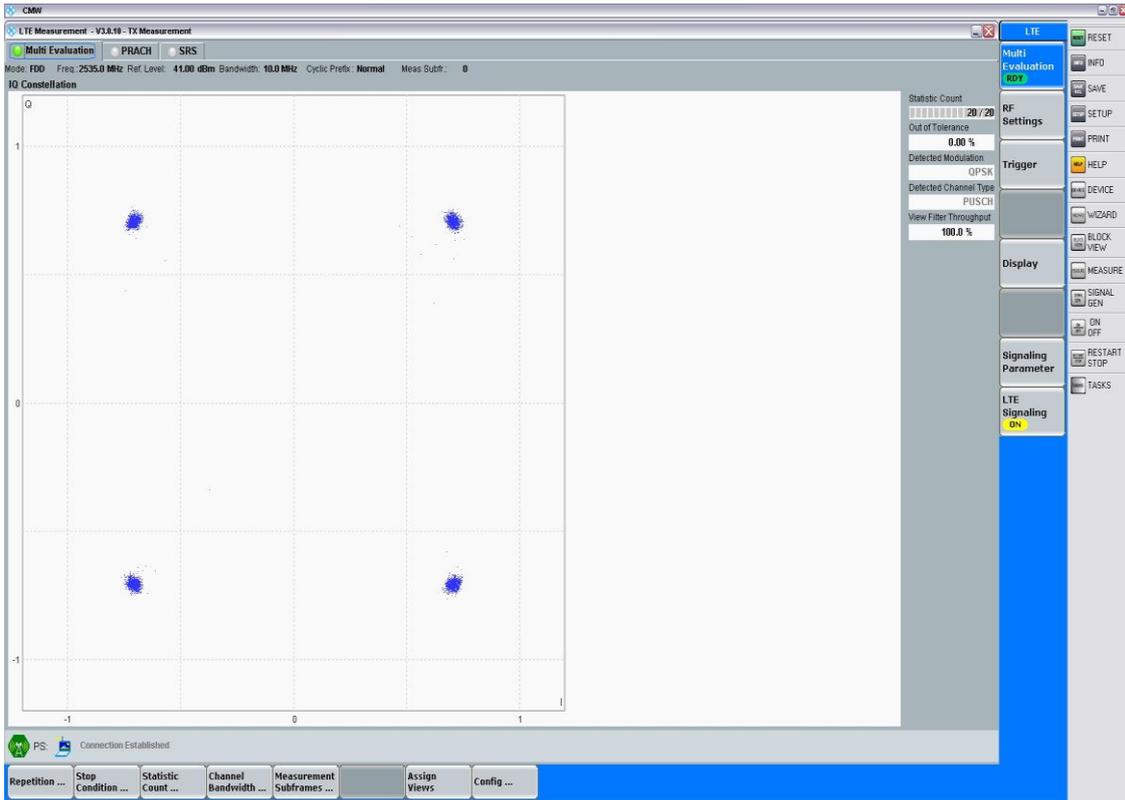
##### 3.3.3.1.1.1.1 Test RB = RB25#0



### 3.3.3.1.2 Test Bandwidth = 10

#### 3.3.3.1.2.1 Test Channel = MCH

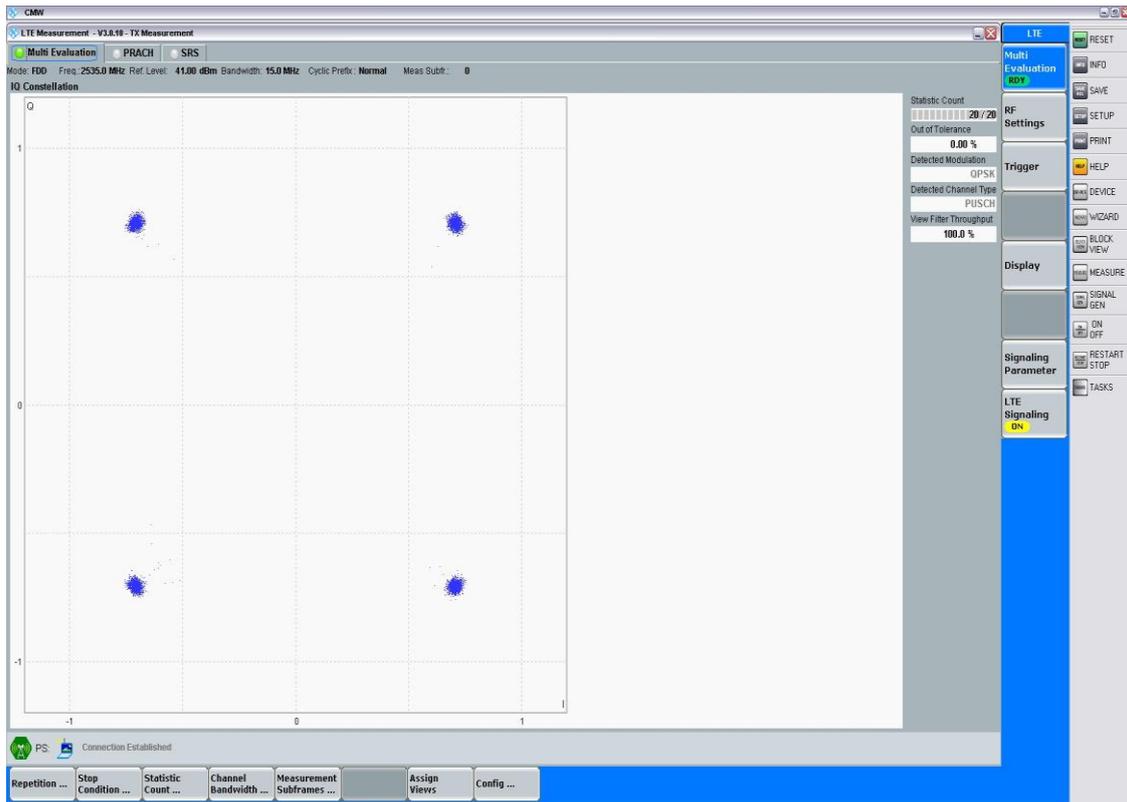
##### 3.3.3.1.2.1.1 Test RB = RB50#0



### 3.3.3.1.3 Test Bandwidth = 15

#### 3.3.3.1.3.1 Test Channel = MCH

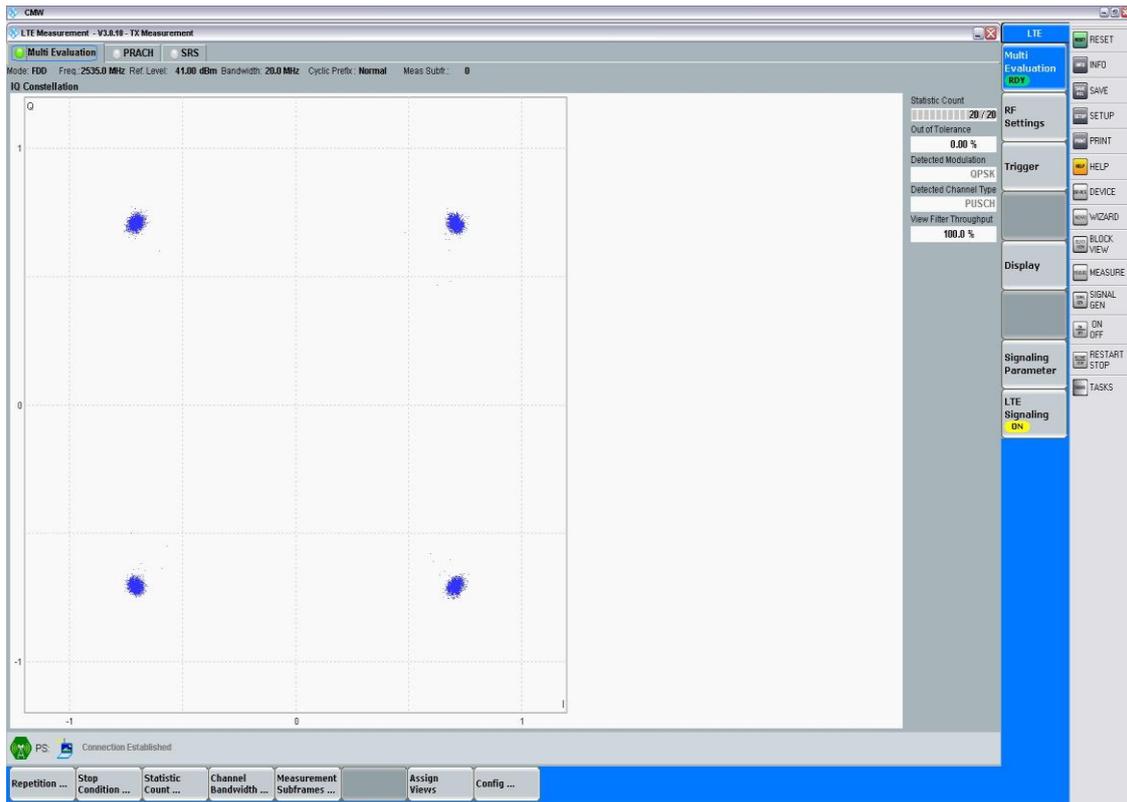
##### 3.3.3.1.3.1.1 Test RB = RB75#0



### 3.3.3.1.4 Test Bandwidth = 20

#### 3.3.3.1.4.1 Test Channel = MCH

##### 3.3.3.1.4.1.1 Test RB = RB100#0

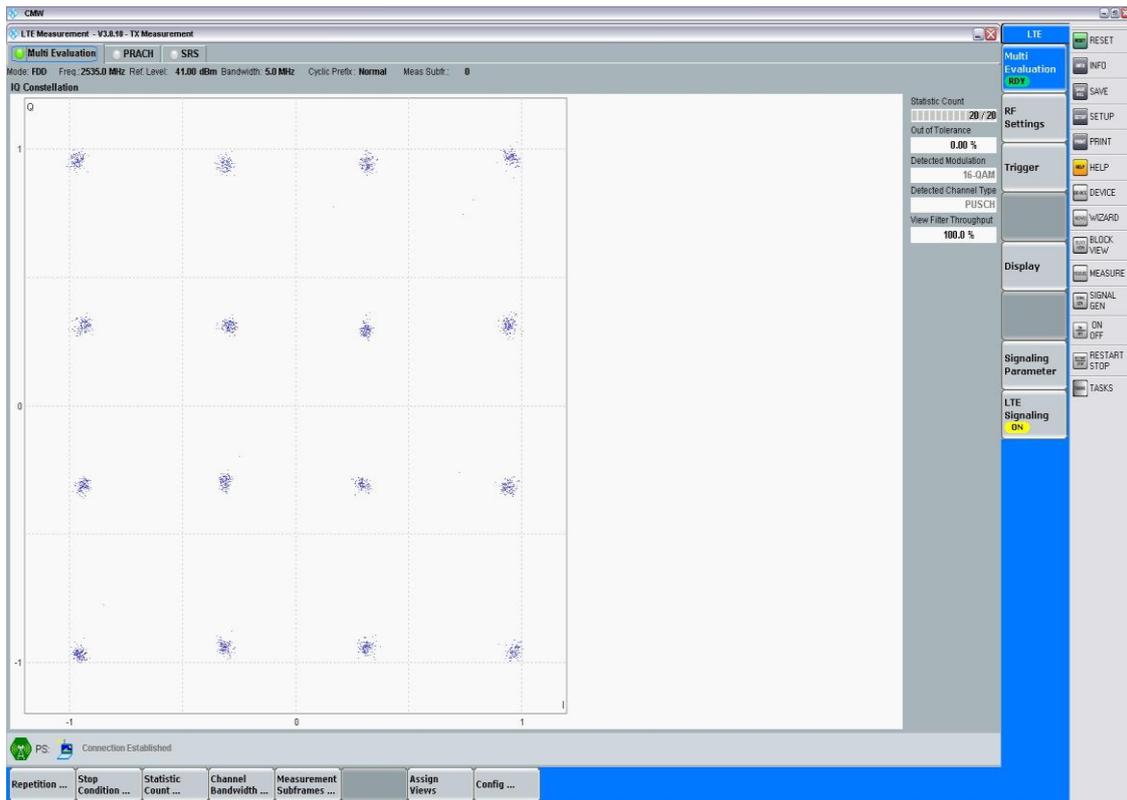


### 3.3.3.2 Test Mode = LTE/TM2

#### 3.3.3.2.1 Test Bandwidth = 5

##### 3.3.3.2.1.1 Test Channel = MCH

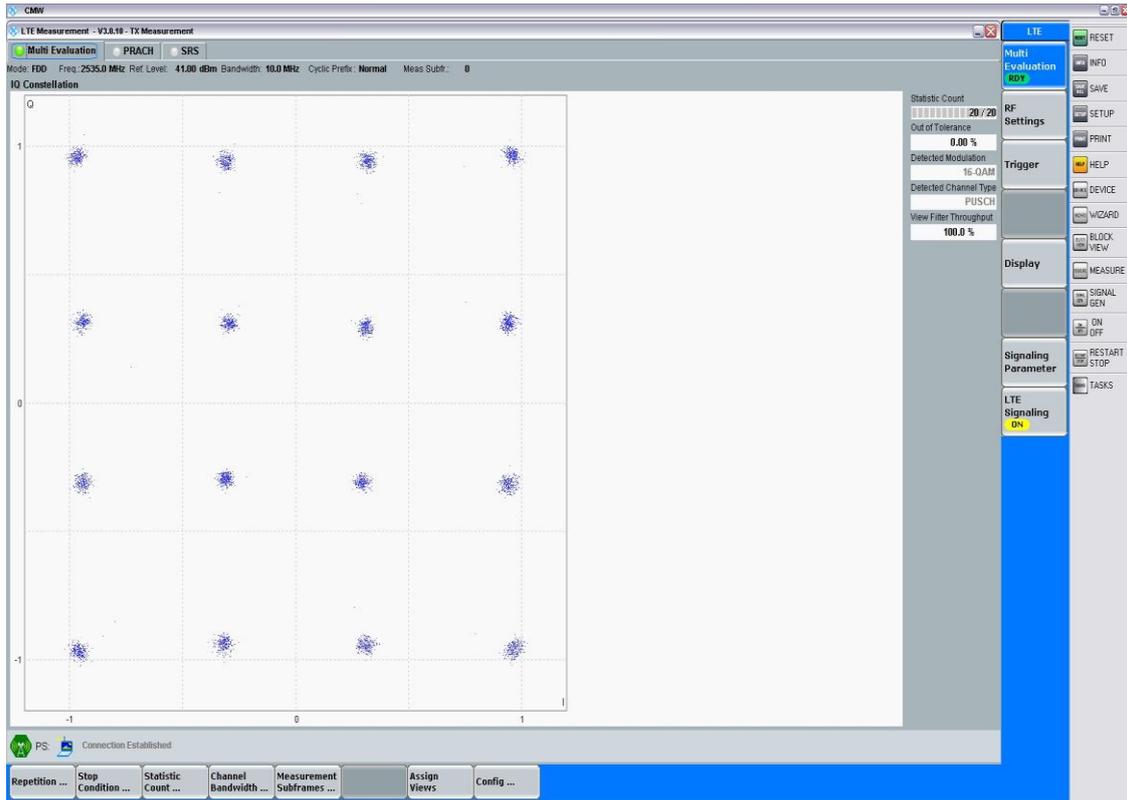
##### 3.3.3.2.1.1.1 Test RB = RB25#0



### 3.3.3.2.2 Test Bandwidth = 10

#### 3.3.3.2.2.1 Test Channel = MCH

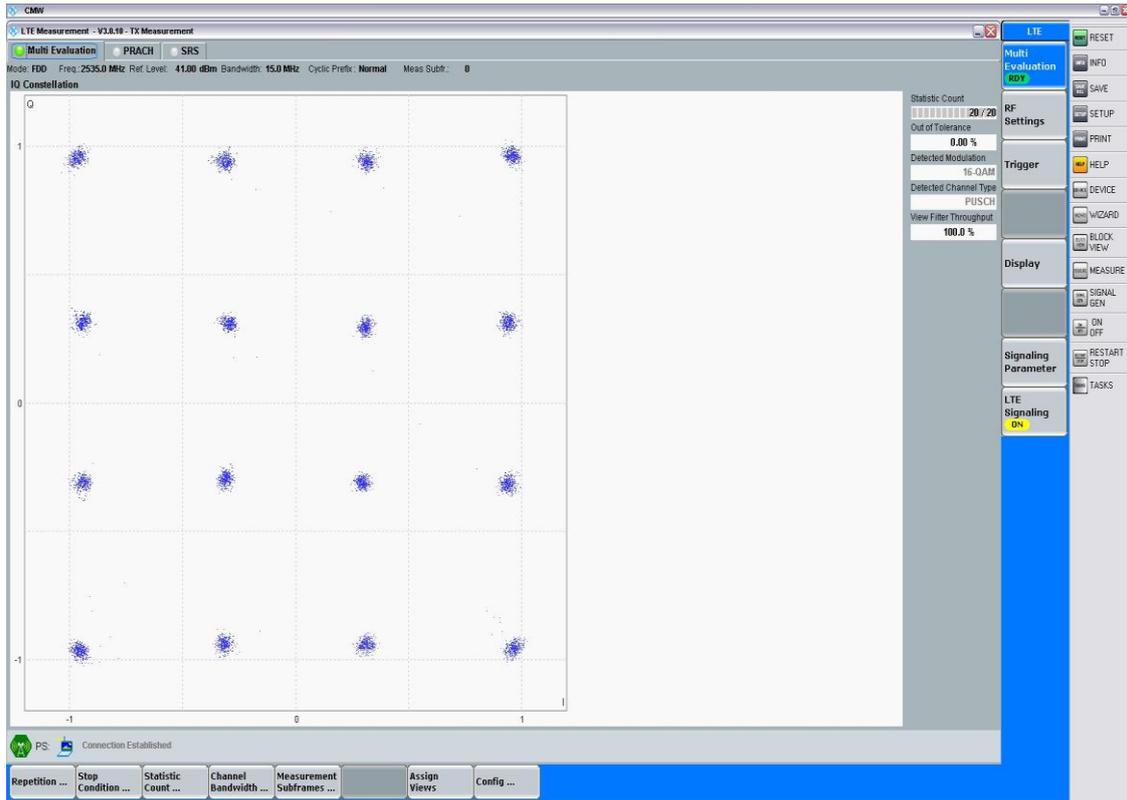
##### 3.3.3.2.2.1.1 Test RB = RB50#0



### 3.3.3.2.3 Test Bandwidth = 15

#### 3.3.3.2.3.1 Test Channel = MCH

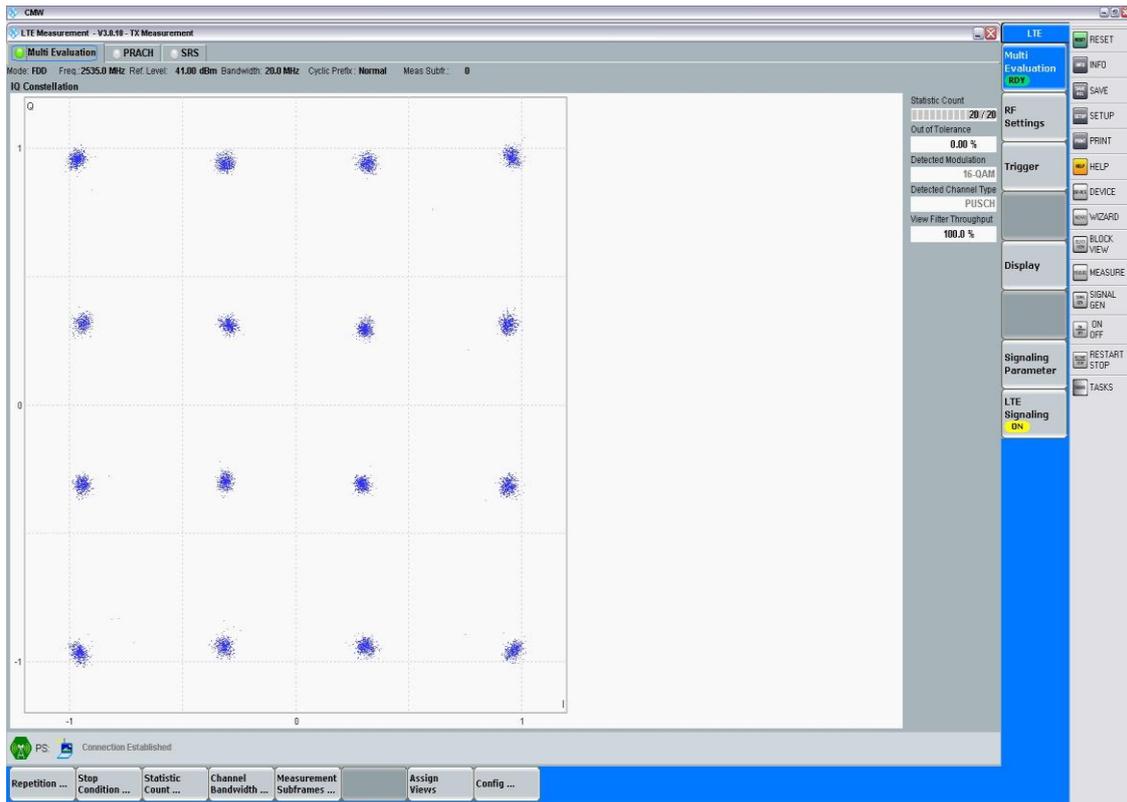
##### 3.3.3.2.3.1.1 Test RB = RB75#0



### 3.3.3.2.4 Test Bandwidth = 20

#### 3.3.3.2.4.1 Test Channel = MCH

##### 3.3.3.2.4.1.1 Test RB = RB100#0



## 4Appendix\_D: Bandwidth

### Part I - Test Results

Test Band	Test Mode	Test Channel	Occupied Bandwidth [kHz]	Emission Bandwidth [kHz]	Verdict
GSM850	GSM/TM1	LCH	243.31	316.77	Pass
		MCH	244.65	315.25	Pass
		HCH	244.49	319.56	Pass
	GSM/TM2	LCH	245.51	311.85	Pass
		MCH	246.92	317.03	Pass
		HCH	245.89	313.87	Pass
GSM1900	GSM/TM1	LCH	243.83	316.63	Pass
		MCH	242.59	316.89	Pass
		HCH	243.79	317.61	Pass
	GSM/TM2	LCH	243.85	310.00	Pass
		MCH	245.02	310.23	Pass
		HCH	243.80	314.96	Pass
Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
WCDMA850	UMTS/TM1	LCH	4.16	4.67	Pass
		MCH	4.16	4.65	Pass
		HCH	4.15	4.66	Pass
WCDMA1900	UMTS/TM1	LCH	4.15	4.67	Pass
		MCH	4.15	4.66	Pass
		HCH	4.16	4.66	Pass



Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND2	LTE/TM1	1.4	LCH	RB6#0	1.08	1.27	Pass
			MCH	RB6#0	1.09	1.27	Pass
			HCH	RB6#0	1.09	1.27	Pass
		3	LCH	RB15#0	2.70	2.94	Pass
			MCH	RB15#0	2.70	2.95	Pass
			HCH	RB15#0	2.70	2.96	Pass
		5	LCH	RB25#0	4.50	4.93	Pass
			MCH	RB25#0	4.51	4.94	Pass
			HCH	RB25#0	4.50	4.93	Pass
		10	LCH	RB50#0	8.99	9.56	Pass
			MCH	RB50#0	9.00	9.60	Pass
			HCH	RB50#0	8.99	9.57	Pass
		15	LCH	RB75#0	13.46	14.28	Pass
			MCH	RB75#0	13.47	14.30	Pass
			HCH	RB75#0	13.44	14.24	Pass
		20	LCH	RB100#0	17.93	19.00	Pass
			MCH	RB100#0	17.96	19.02	Pass
			HCH	RB100#0	17.92	18.99	Pass
	LTE/TM2	1.4	LCH	RB6#0	1.09	1.29	Pass
			MCH	RB6#0	1.09	1.28	Pass
			HCH	RB6#0	1.09	1.29	Pass
		3	LCH	RB15#0	2.70	2.98	Pass
			MCH	RB15#0	2.70	2.98	Pass
			HCH	RB15#0	2.70	2.99	Pass
		5	LCH	RB25#0	4.50	4.90	Pass
			MCH	RB25#0	4.50	4.91	Pass
			HCH	RB25#0	4.50	4.93	Pass
		10	LCH	RB50#0	8.97	9.56	Pass
			MCH	RB50#0	8.98	9.60	Pass
			HCH	RB50#0	8.97	9.61	Pass
15		LCH	RB75#0	13.45	14.32	Pass	
		MCH	RB75#0	13.46	14.36	Pass	
		HCH	RB75#0	13.44	14.31	Pass	
20		LCH	RB100#0	17.91	18.97	Pass	
		MCH	RB100#0	17.95	19.01	Pass	
		HCH	RB100#0	17.91	18.99	Pass	
BAND5	LTE/TM1	1.4	LCH	RB6#0	1.09	1.28	Pass



Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict	
			MCH	RB6#0	1.09	1.27	Pass	
			HCH	RB6#0	1.09	1.26	Pass	
			LCH	RB15#0	2.70	2.94	Pass	
		3	MCH	RB15#0	2.70	2.94	Pass	
			HCH	RB15#0	2.70	2.94	Pass	
			LCH	RB25#0	4.50	4.90	Pass	
		5	MCH	RB25#0	4.50	4.94	Pass	
			HCH	RB25#0	4.50	4.93	Pass	
			LCH	RB50#0	8.98	9.58	Pass	
		10	MCH	RB50#0	8.98	9.60	Pass	
			HCH	RB50#0	8.98	9.58	Pass	
			LCH	RB6#0	1.09	1.29	Pass	
		LTE/TM2	1.4	MCH	RB6#0	1.09	1.27	Pass
				HCH	RB6#0	1.09	1.27	Pass
				LCH	RB15#0	2.70	2.97	Pass
	3		MCH	RB15#0	2.70	2.96	Pass	
			HCH	RB15#0	2.70	2.99	Pass	
			LCH	RB25#0	4.50	4.91	Pass	
	5		MCH	RB25#0	4.50	4.89	Pass	
			HCH	RB25#0	4.49	4.90	Pass	
			LCH	RB50#0	8.95	9.55	Pass	
	10		MCH	RB50#0	8.96	9.55	Pass	
			HCH	RB50#0	8.96	9.52	Pass	
			LCH	RB25#0	4.51	4.95	Pass	
	BAND7	LTE/TM1	5	MCH	RB25#0	4.51	4.96	Pass
				HCH	RB25#0	4.51	4.95	Pass
				LCH	RB50#0	8.99	9.62	Pass
10			MCH	RB50#0	9.00	9.60	Pass	
			HCH	RB50#0	9.00	9.63	Pass	
			LCH	RB75#0	13.48	14.32	Pass	
15			MCH	RB75#0	13.49	14.33	Pass	
			HCH	RB75#0	13.48	14.32	Pass	
			LCH	RB100#0	17.95	19.04	Pass	
20		MCH	RB100#0	17.98	19.03	Pass		
		HCH	RB100#0	17.97	19.02	Pass		
		LCH	RB25#0	4.51	4.98	Pass		
LTE/TM2		5	MCH	RB25#0	4.51	4.96	Pass	
			HCH	RB25#0	4.50	4.94	Pass	
			LCH	RB50#0	8.97	9.57	Pass	



Test Band	Test Mode	Test Bandwidth	Test Channel	Test RB	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
			MCH	RB50#0	8.99	9.60	Pass
			HCH	RB50#0	8.98	9.62	Pass
		15	LCH	RB75#0	13.48	14.42	Pass
			MCH	RB75#0	13.49	14.43	Pass
			HCH	RB75#0	13.49	14.46	Pass
		20	LCH	RB100#0	17.95	19.02	Pass
			MCH	RB100#0	17.98	19.08	Pass
			HCH	RB100#0	17.96	19.03	Pass



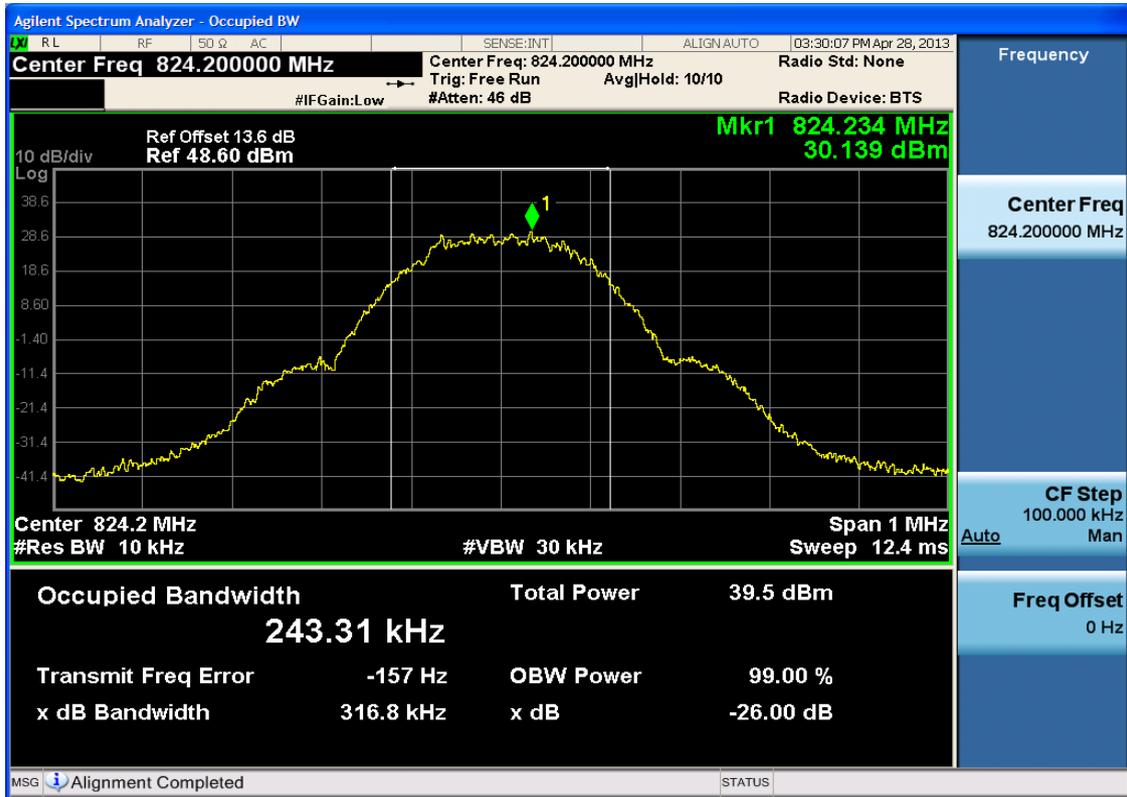
## Part II - Test Plots

### 4.1 For GSM

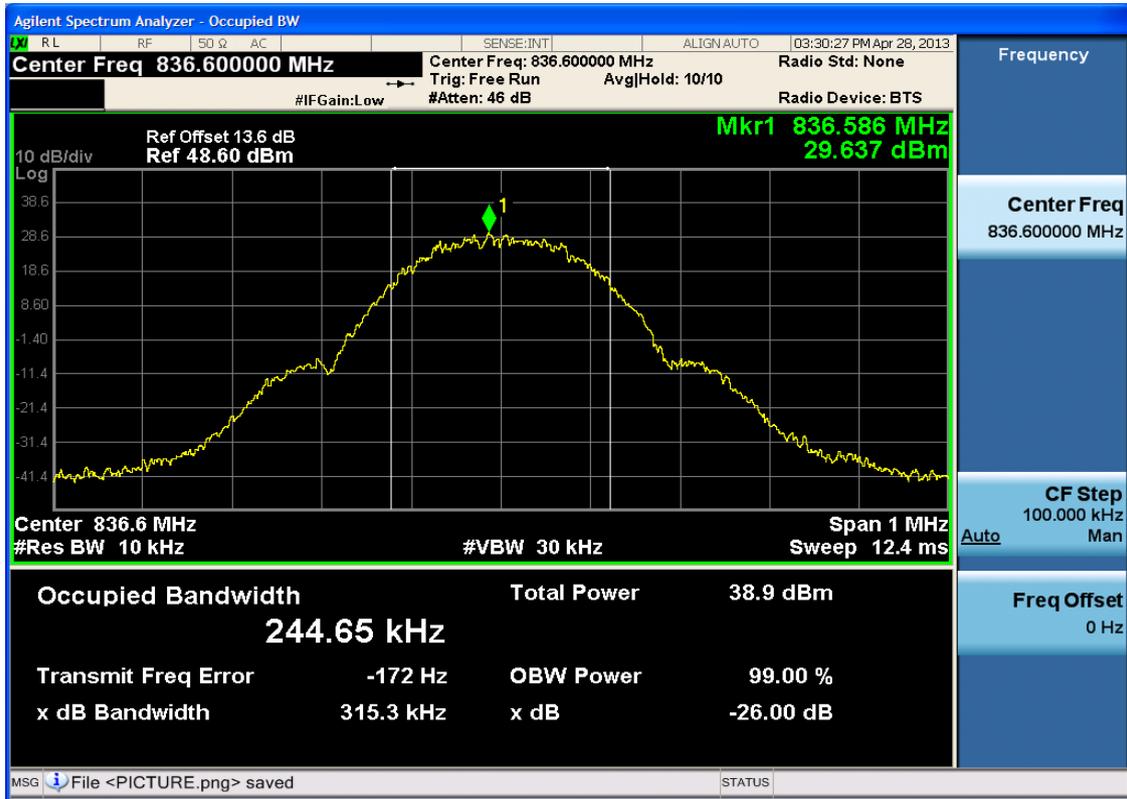
#### 4.1.1 Test Band = GSM850

##### 4.1.1.1 Test Mode = GSM/TM1

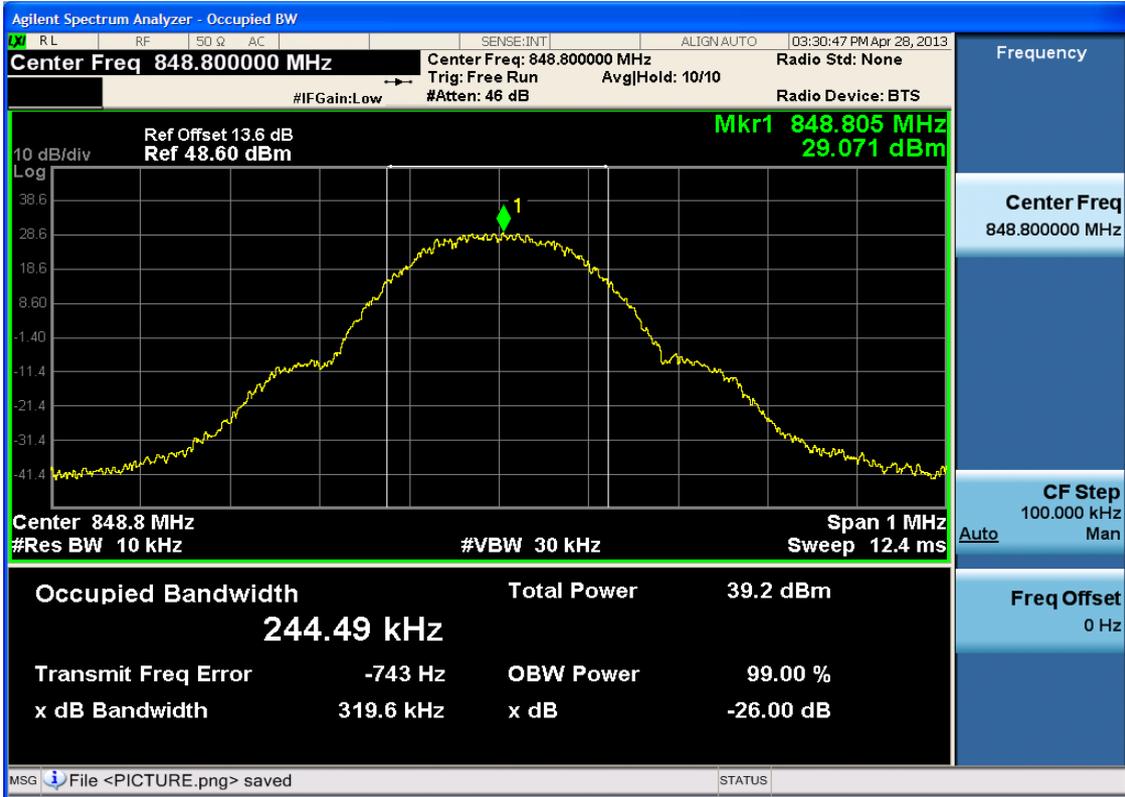
##### 4.1.1.1.1 Test Channel = LCH



4.1.1.1.2 Test Channel = MCH



4.1.1.1.3 Test Channel = HCH



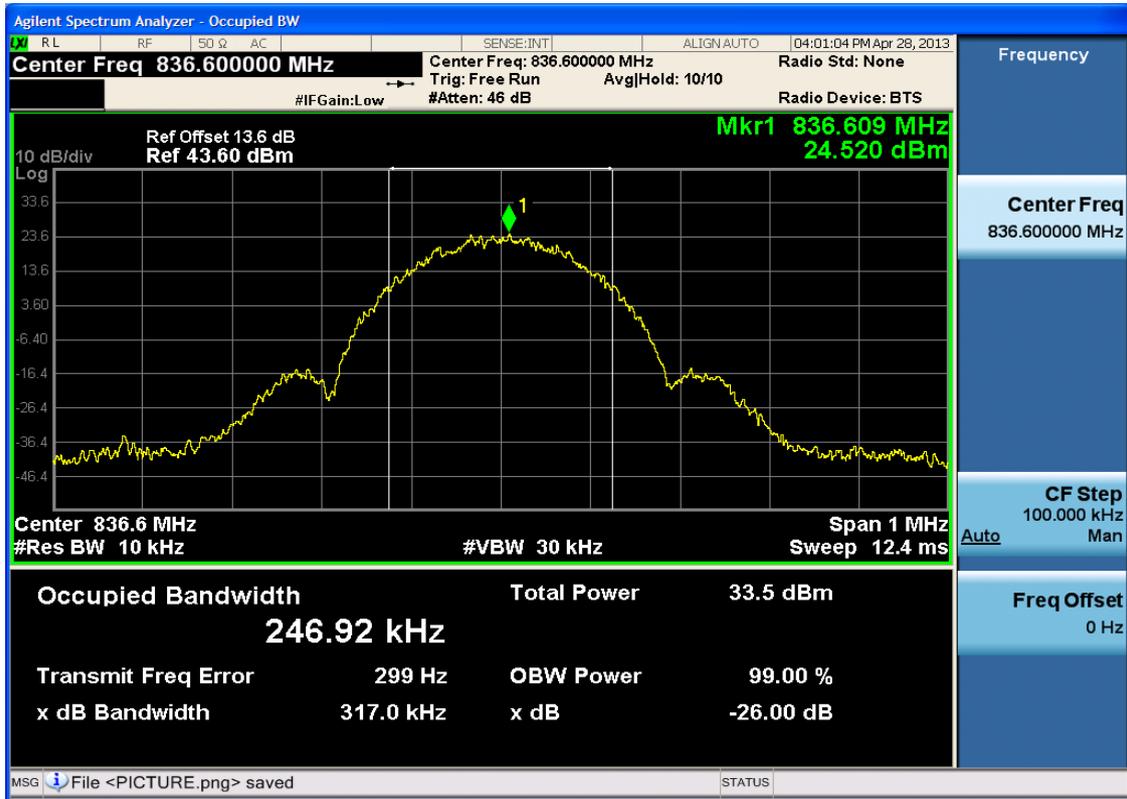


4.1.1.2 Test Mode = GSM/TM2

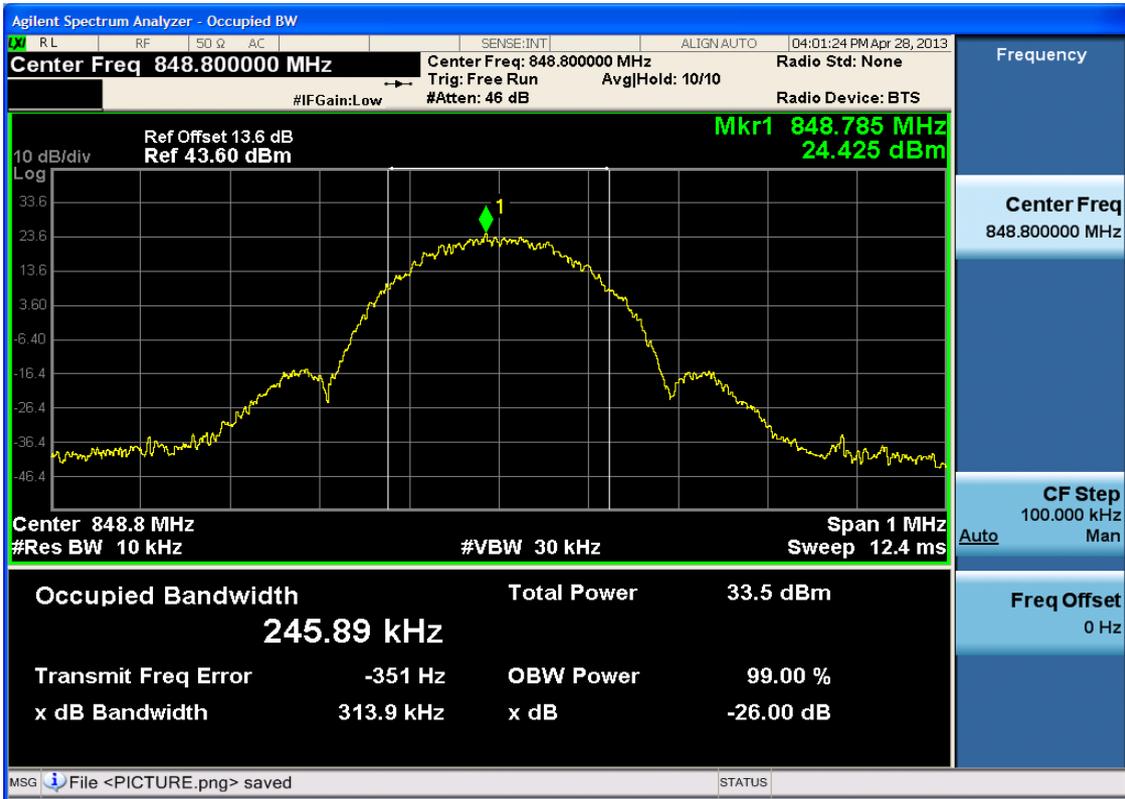
4.1.1.2.1 Test Channel = LCH



4.1.1.2.2 Test Channel = MCH



4.1.1.2.3 Test Channel = HCH

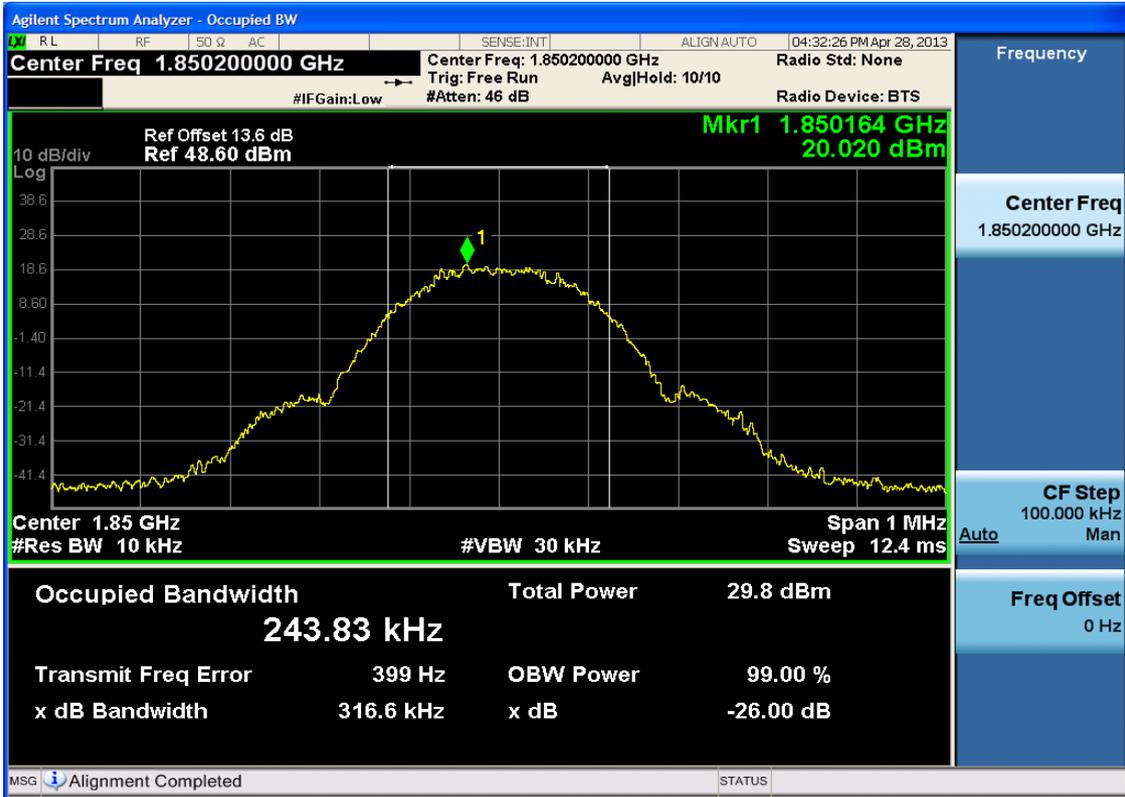




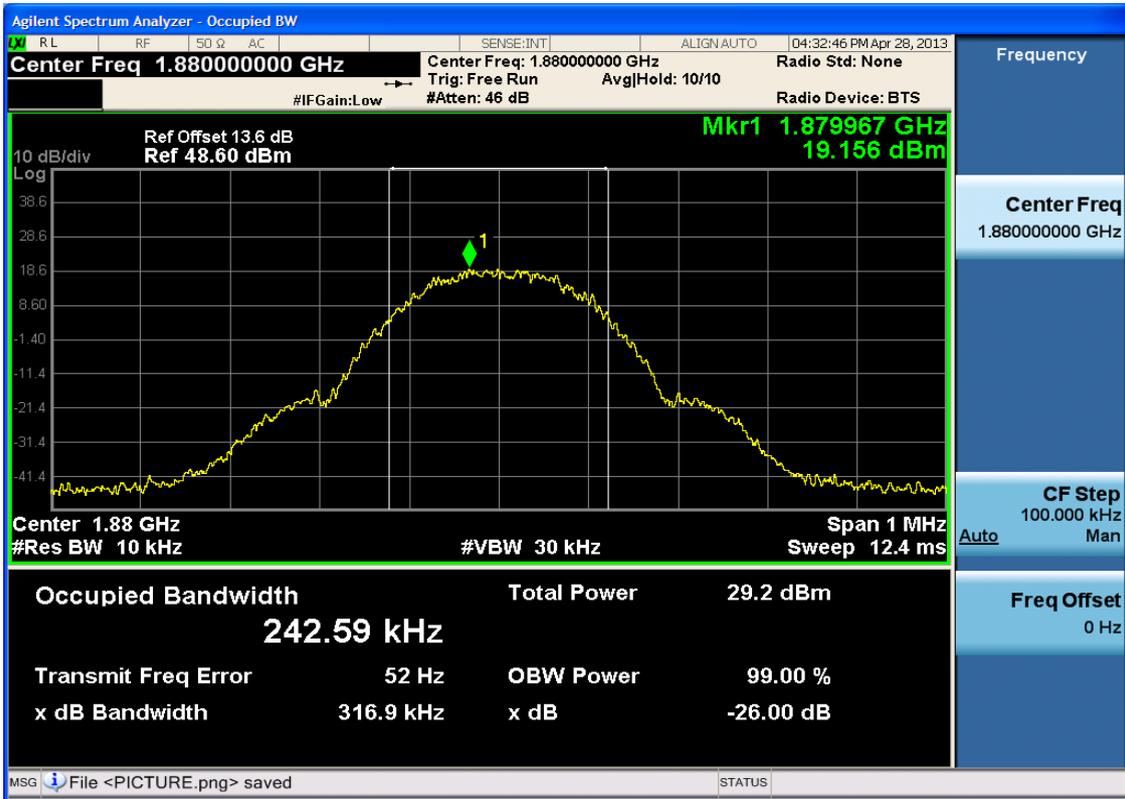
4.1.2 Test Band = GSM1900

4.1.2.1 Test Mode = GSM/TM1

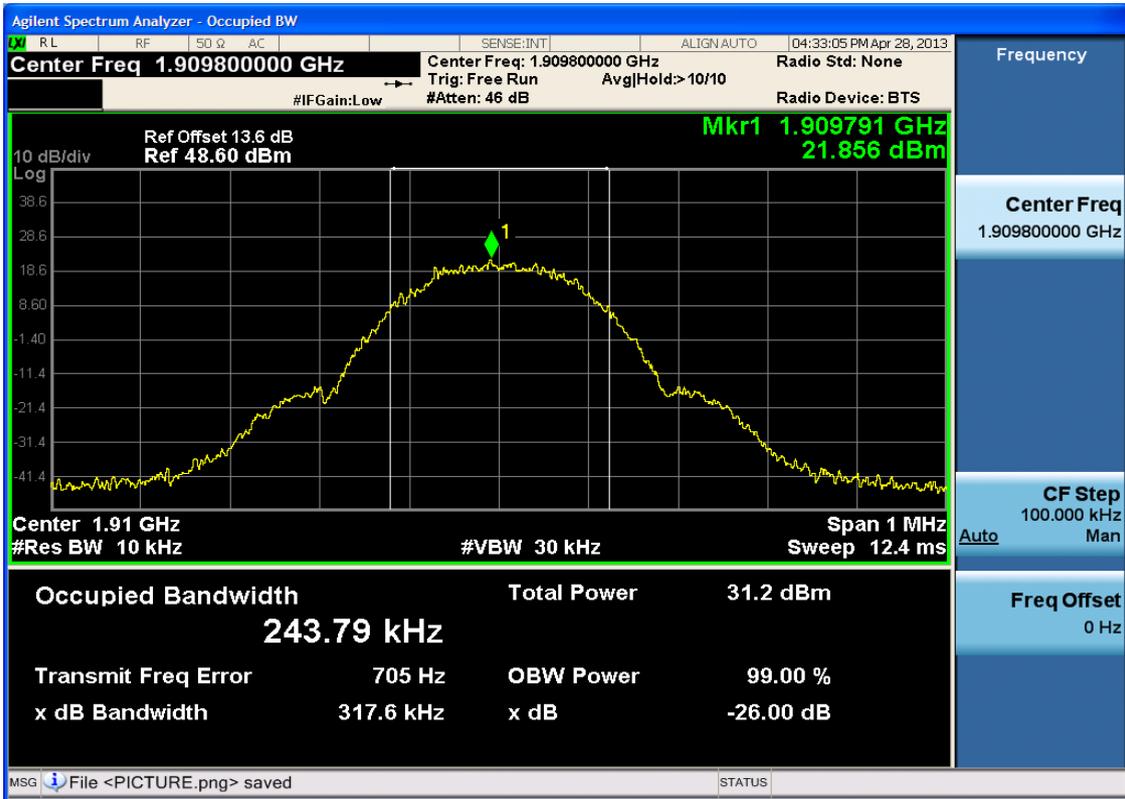
4.1.2.1.1 Test Channel = LCH



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

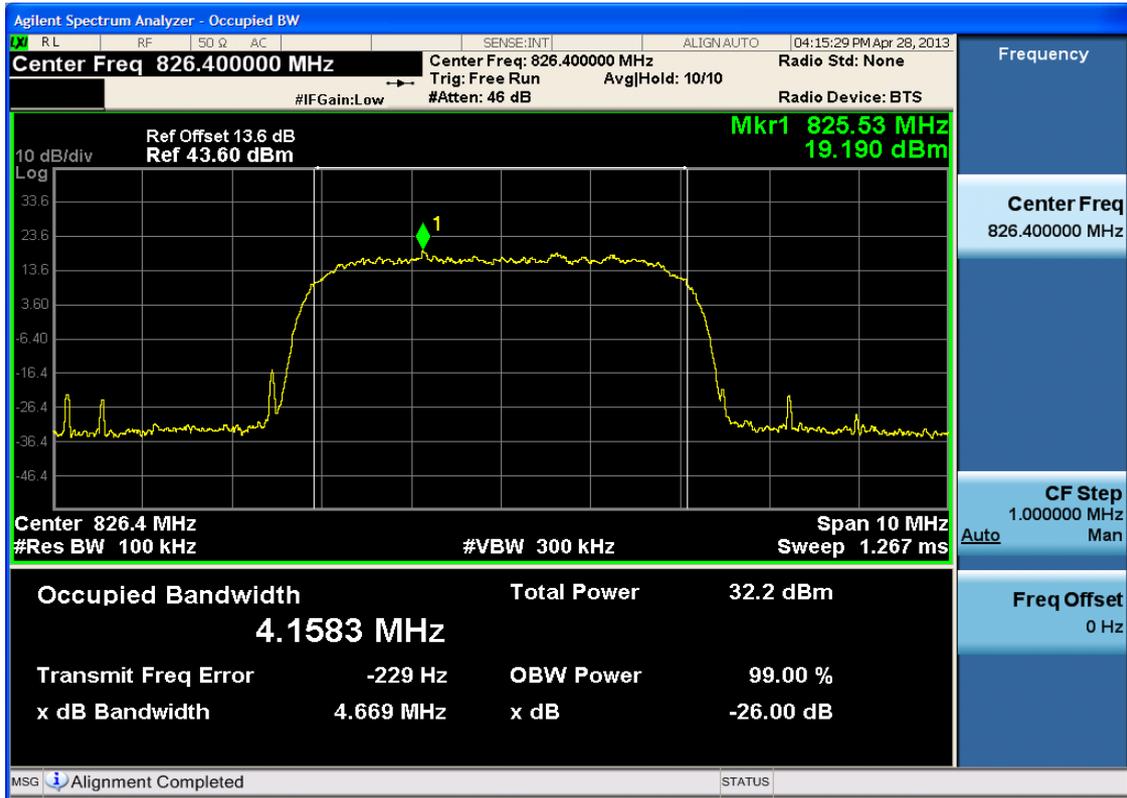


## 4.2 For UMTS

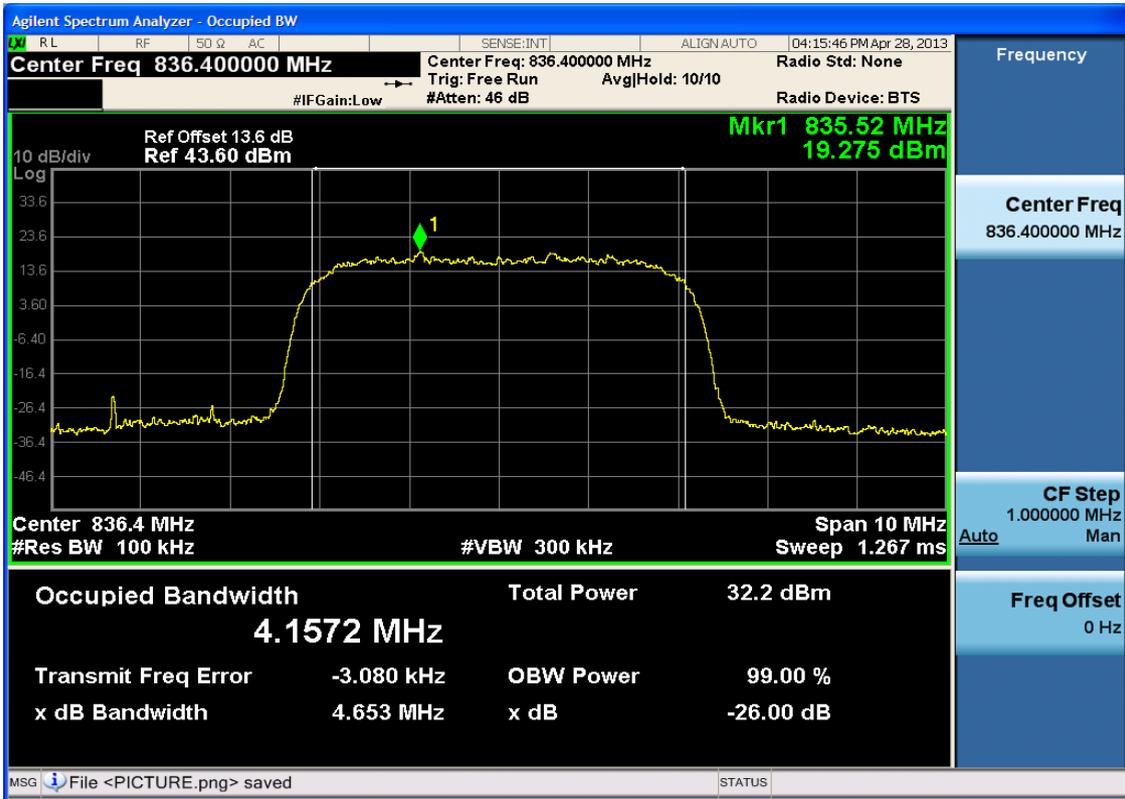
### 4.2.1 Test Band = WCDMA850

#### 4.2.1.1 Test Mode = UMTS/TM1

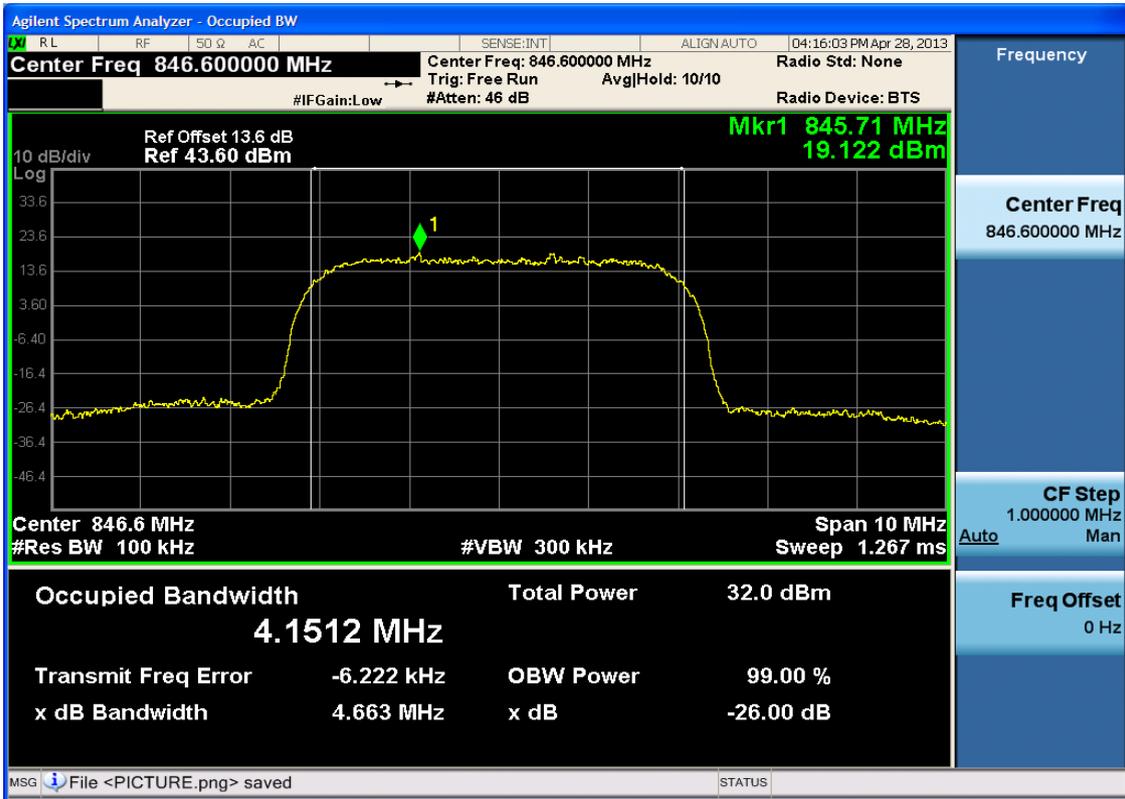
##### 4.2.1.1.1 Test Channel = LCH



4.2.1.1.2 Test Channel = MCH



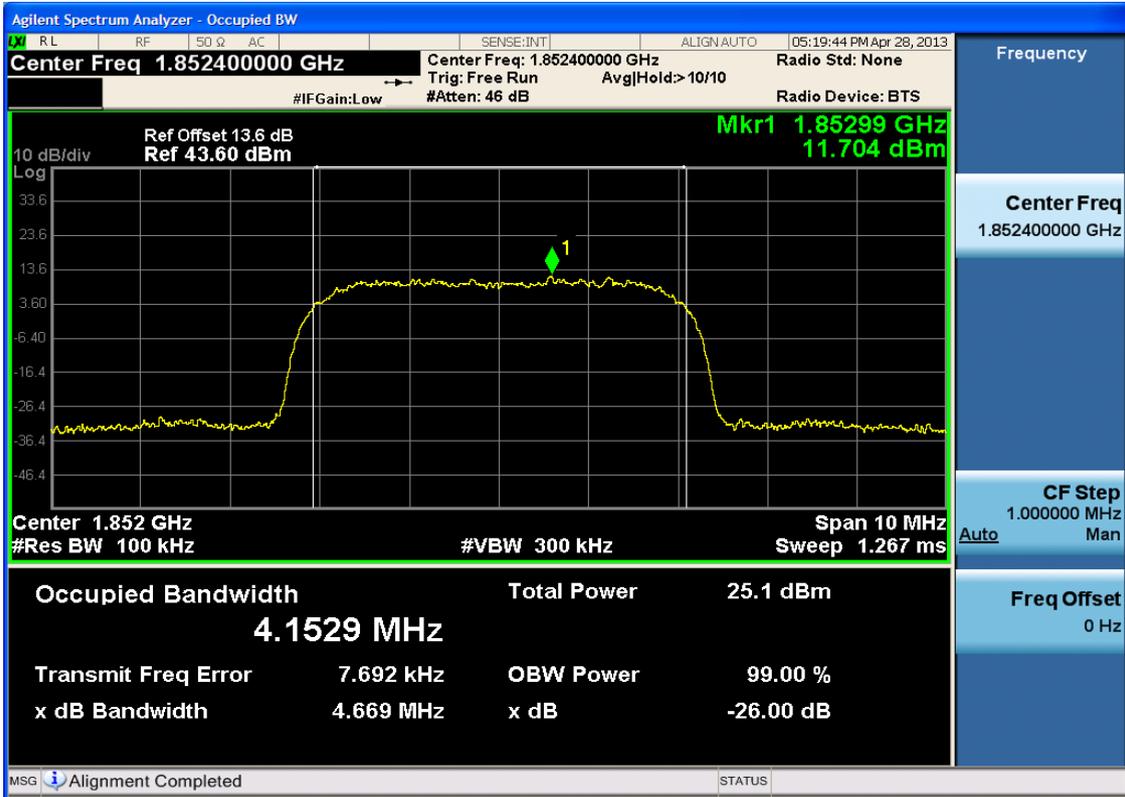
4.2.1.1.3 Test Channel = HCH



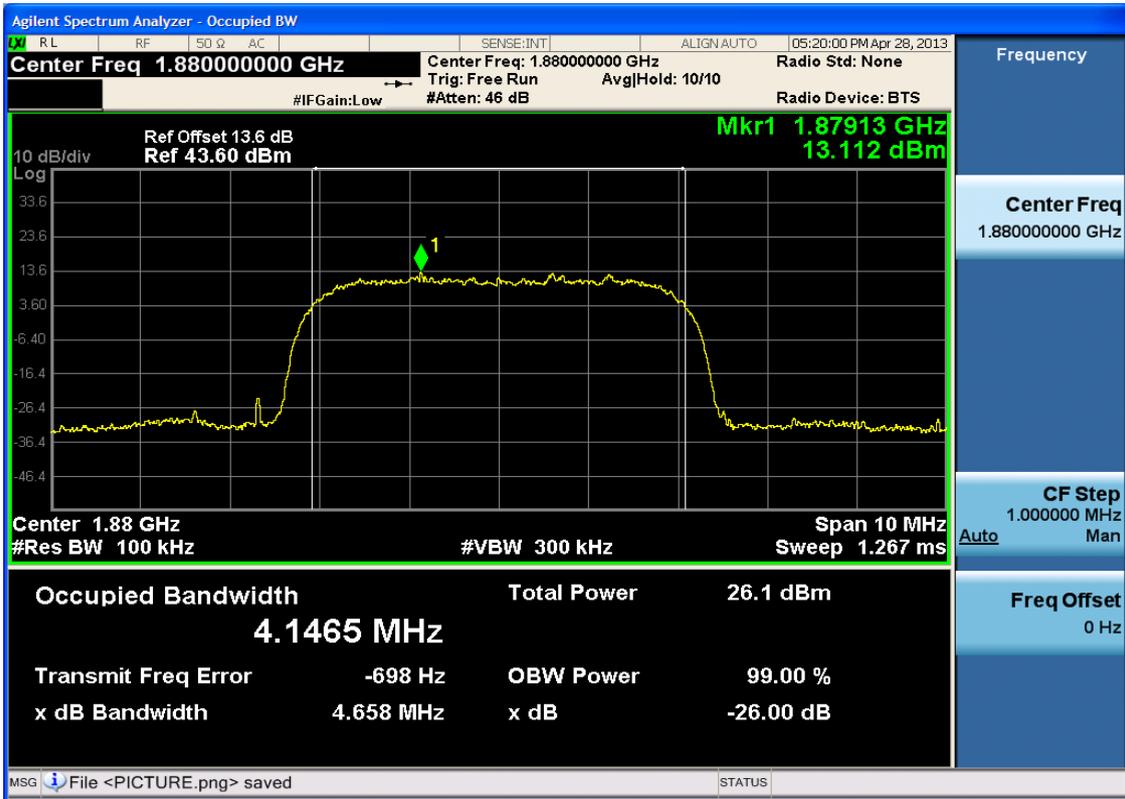
#### 4.2.2 Test Band = WCDMA1900

##### 4.2.2.1 Test Mode = UMTS/TM1

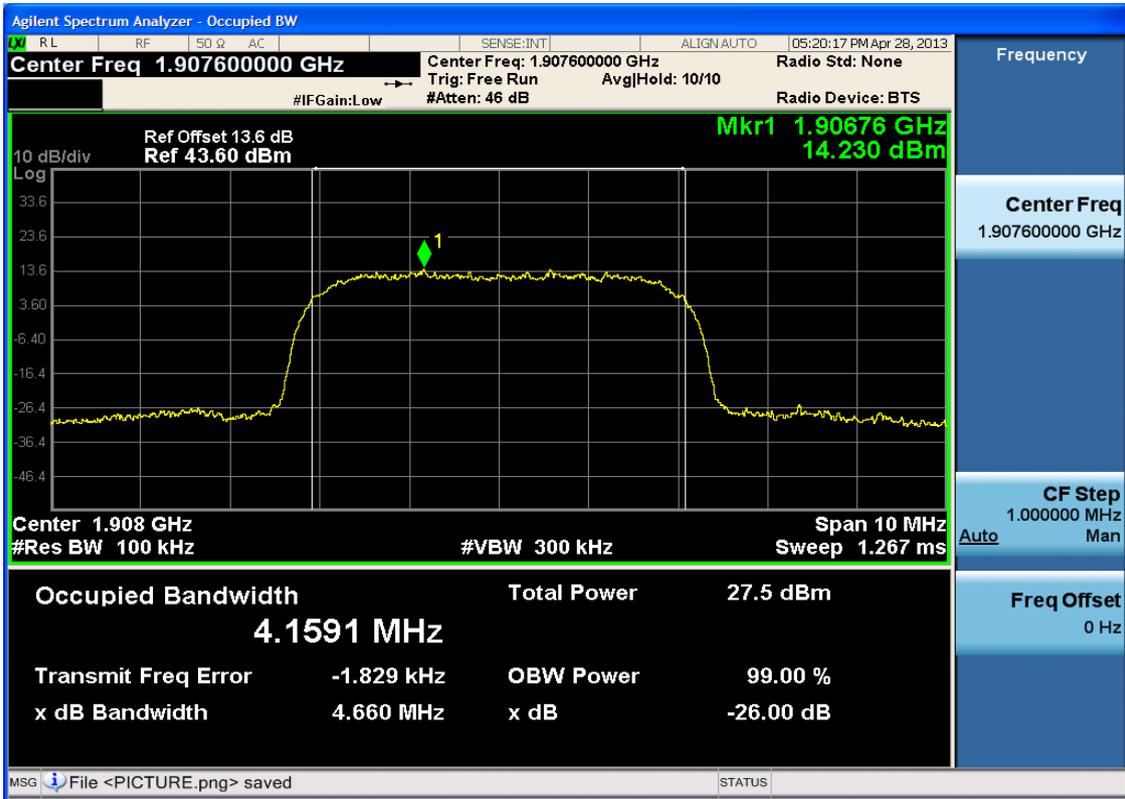
##### 4.2.2.1.1 Test Channel = LCH



4.2.2.1.2 Test Channel = MCH



4.2.2.1.3 Test Channel = HCH





4.3 For LTE

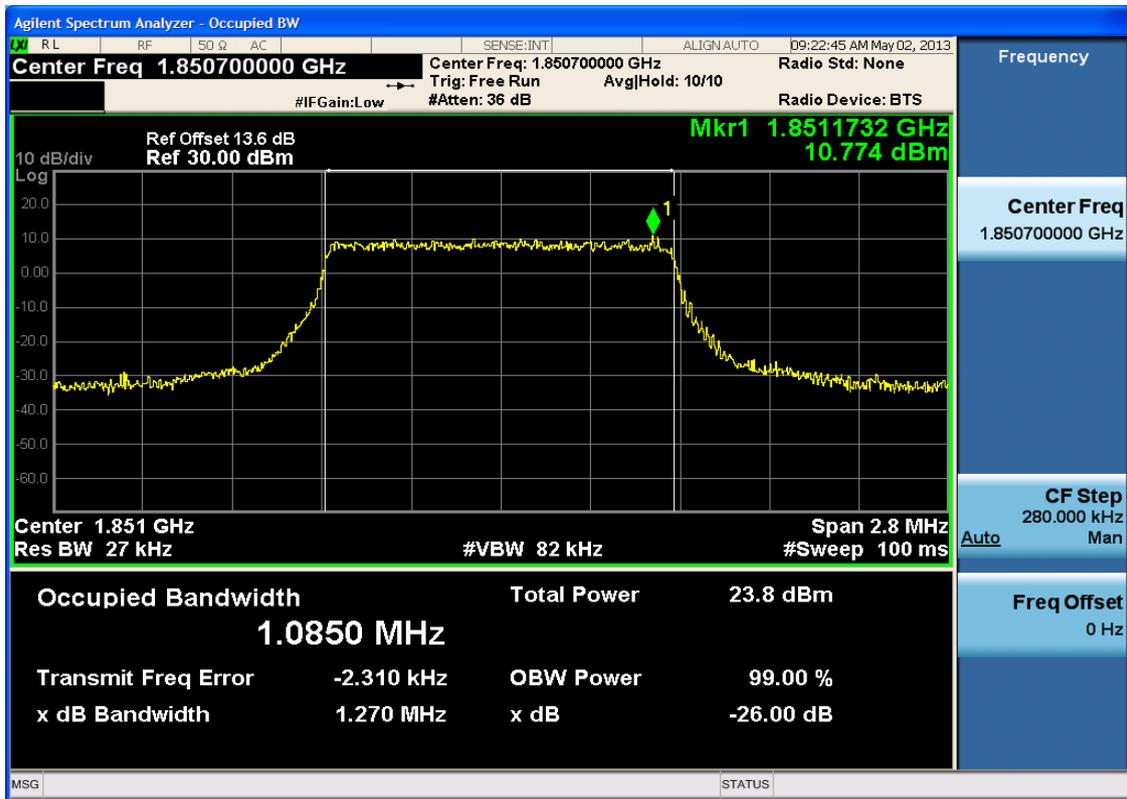
4.3.1 Test Band = BAND2

4.3.1.1 Test Mode = LTE/TM1

4.3.1.1.1 Test Bandwidth = 1.4

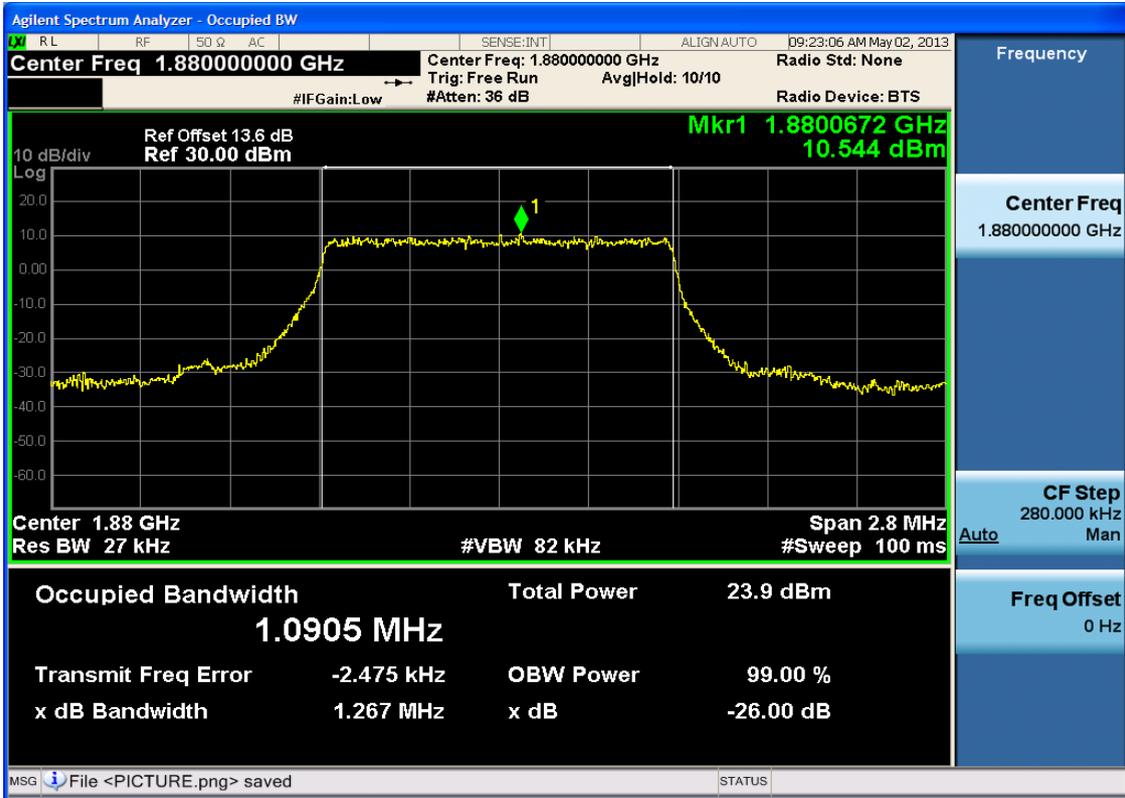
4.3.1.1.1.1 Test Channel = LCH

4.3.1.1.1.1.1 Test RB = RB6#0



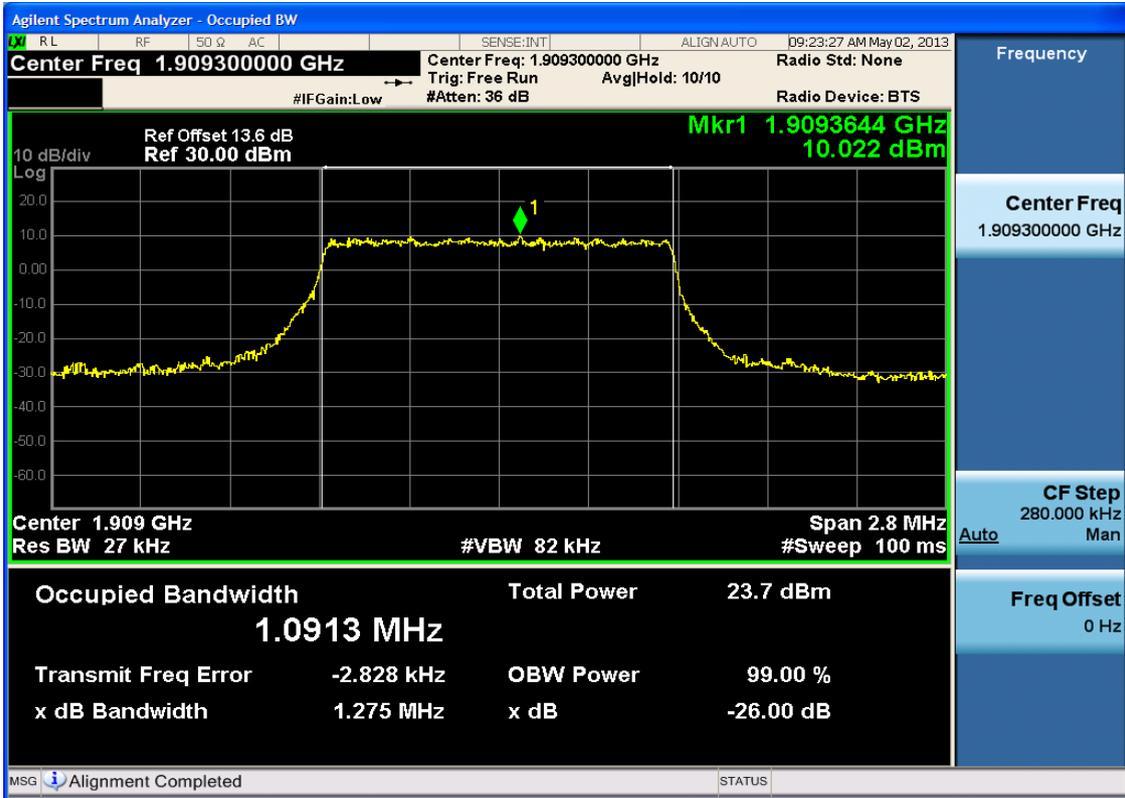
4.3.1.1.1.2 Test Channel = MCH

4.3.1.1.1.2.1 Test RB = RB6#0



4.3.1.1.1.3 Test Channel = HCH

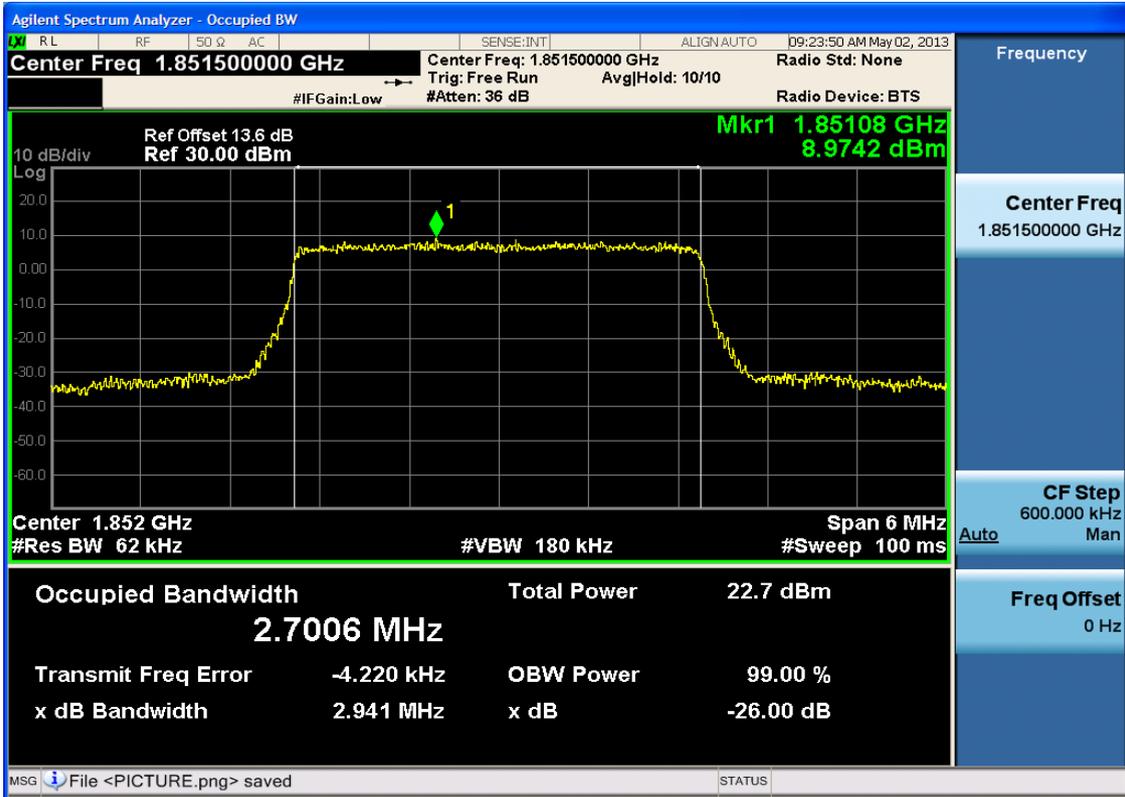
4.3.1.1.1.3.1 Test RB = RB6#0



4.3.1.1.2 Test Bandwidth = 3

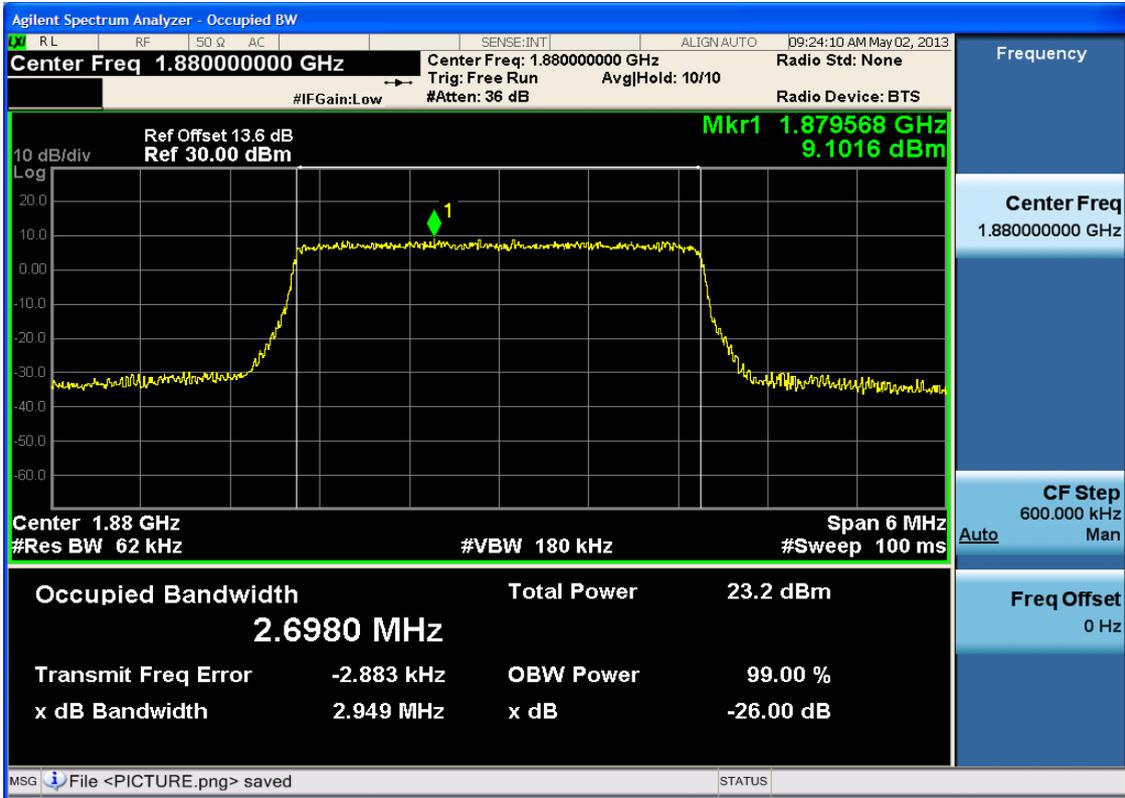
4.3.1.1.2.1 Test Channel = LCH

4.3.1.1.2.1.1 Test RB = RB15#0



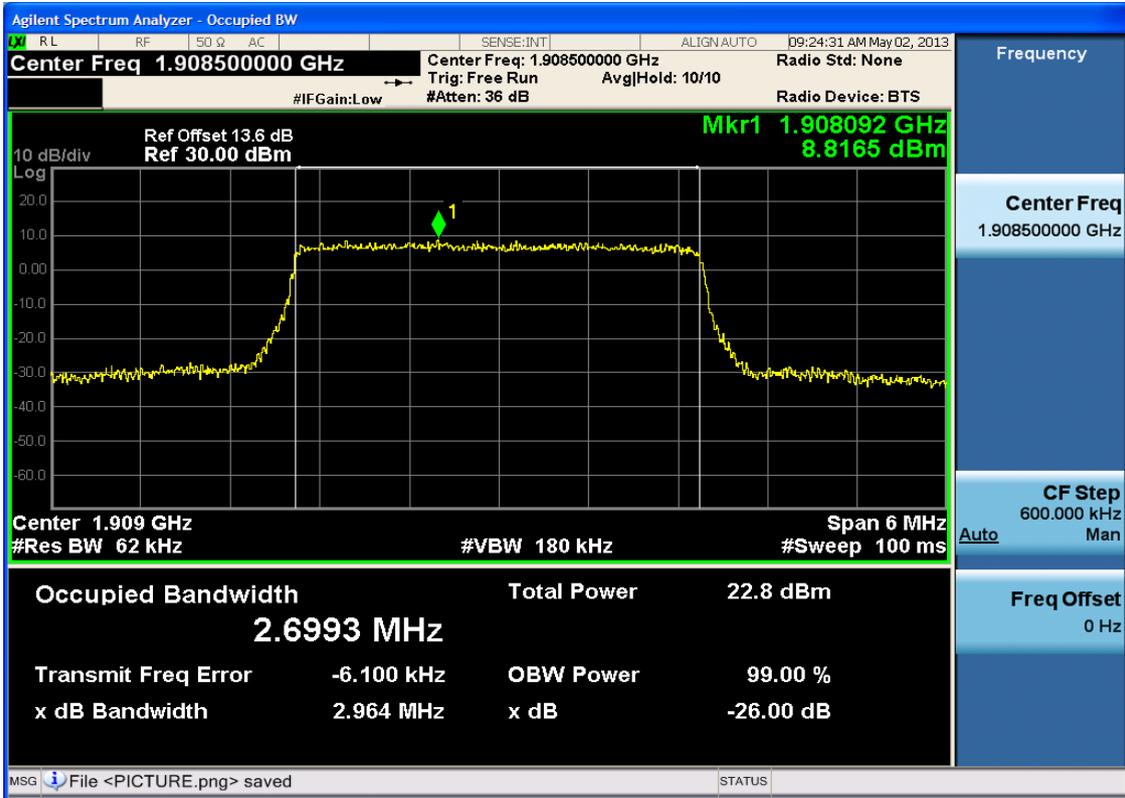
4.3.1.1.2.2 Test Channel = MCH

4.3.1.1.2.2.1 Test RB = RB15#0



4.3.1.1.2.3 Test Channel = HCH

4.3.1.1.2.3.1 Test RB = RB15#0



4.3.1.1.3 Test Bandwidth = 5

4.3.1.1.3.1 Test Channel = LCH

4.3.1.1.3.1.1 Test RB = RB25#0

