



Appendix B

Test Data for SZEM1610008522RG



CONTENT

	Page
1 EFFECTIVE (ISOTROPIC) RADIATED POWER OUTPUT DATA	3
2 PEAK-TO-AVERAGE RATIO.....	22
3 MODULATION CHARACTERISTICS.....	32
4 BANDWIDTH	50
5 BAND EDGES COMPLIANCE.....	106
6 SPURIOUS EMISSION AT ANTENNA TERMINAL.....	178
7 FIELD STRENGTH OF SPURIOUS RADIATION	232
8 FREQUENCY STABILITY	235
8.1 FREQUENCY ERROR VS. VOLTAGE.....	235
8.2 FREQUENCY ERROR VS. TEMPERATURE.....	236



1 Effective (Isotropic) Radiated Power Output Data

Effective Isotropic Radiated Power of Transmitter (EIRP) for LTE BAND 4

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND4	LTE/TM1	1.4M	LCH	RB1#0	22.36	23.85	30.00	PASS
				RB1#2	22.39	23.88	30.00	PASS
				RB1#5	22.32	23.81	30.00	PASS
				RB3#0	21.22	22.71	30.00	PASS
				RB3#2	21.22	22.71	30.00	PASS
				RB3#3	21.23	22.72	30.00	PASS
				RB6#0	21.22	22.71	30.00	PASS
			MCH	RB1#0	22.45	23.94	30.00	PASS
				RB1#2	22.38	23.87	30.00	PASS
				RB1#5	22.35	23.84	30.00	PASS
				RB3#0	21.30	22.79	30.00	PASS
				RB3#2	21.21	22.70	30.00	PASS
				RB3#3	21.24	22.73	30.00	PASS
				RB6#0	21.21	22.70	30.00	PASS
			HCH	RB1#0	22.41	23.90	30.00	PASS
				RB1#2	22.46	23.95	30.00	PASS
				RB1#5	22.44	23.93	30.00	PASS
				RB3#0	21.30	22.79	30.00	PASS
				RB3#2	21.24	22.73	30.00	PASS
				RB3#3	21.16	22.65	30.00	PASS
				RB6#0	21.20	22.69	30.00	PASS



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM161000852202

Page: 4 of 238

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND4	LTE/TM2	1.4M	LCH	RB1#0	21.45	22.94	30.00	PASS
				RB1#2	21.41	22.90	30.00	PASS
				RB1#5	21.40	22.89	30.00	PASS
				RB3#0	20.31	21.80	30.00	PASS
				RB3#2	20.23	21.72	30.00	PASS
				RB3#3	20.23	21.72	30.00	PASS
				RB6#0	20.21	21.70	30.00	PASS
			MCH	RB1#0	21.52	23.01	30.00	PASS
				RB1#2	21.48	22.97	30.00	PASS
				RB1#5	21.45	22.94	30.00	PASS
				RB3#0	20.34	21.83	30.00	PASS
				RB3#2	20.23	21.72	30.00	PASS
				RB3#3	20.30	21.79	30.00	PASS
				RB6#0	20.26	21.75	30.00	PASS
			HCH	RB1#0	21.43	22.92	30.00	PASS
				RB1#2	21.36	22.85	30.00	PASS
				RB1#5	21.38	22.87	30.00	PASS
				RB3#0	20.25	21.74	30.00	PASS
				RB3#2	20.31	21.80	30.00	PASS
				RB3#3	20.32	21.81	30.00	PASS
				RB6#0	20.24	21.73	30.00	PASS

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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM161000852202

Page: 5 of 238

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND4	LTE/TM3	1.4M	LCH	RB1#0	20.63	22.12	30.00	PASS
				RB1#2	20.59	22.08	30.00	PASS
				RB1#5	20.54	22.03	30.00	PASS
				RB3#0	19.34	20.83	30.00	PASS
				RB3#2	19.28	20.77	30.00	PASS
				RB3#3	19.31	20.80	30.00	PASS
				RB6#0	19.32	20.81	30.00	PASS
			MCH	RB1#0	20.71	22.20	30.00	PASS
				RB1#2	20.66	22.15	30.00	PASS
				RB1#5	20.56	22.05	30.00	PASS
				RB3#0	19.33	20.82	30.00	PASS
				RB3#2	19.33	20.82	30.00	PASS
				RB3#3	19.26	20.75	30.00	PASS
				RB6#0	19.28	20.77	30.00	PASS
			HCH	RB1#0	20.65	22.14	30.00	PASS
				RB1#2	20.61	22.10	30.00	PASS
				RB1#5	20.60	22.09	30.00	PASS
				RB3#0	19.31	20.80	30.00	PASS
				RB3#2	19.32	20.81	30.00	PASS
				RB3#3	19.31	20.80	30.00	PASS
				RB6#0	19.19	20.68	30.00	PASS

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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM161000852202

Page: 6 of 238

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND4	LTE/TM1	3M	LCH	RB1#0	22.38	23.87	30.00	PASS
				RB1#7	22.40	23.89	30.00	PASS
				RB1#14	22.36	23.85	30.00	PASS
				RB8#0	21.27	22.76	30.00	PASS
				RB8#4	21.22	22.71	30.00	PASS
				RB8#7	21.28	22.77	30.00	PASS
				RB15#0	21.23	22.72	30.00	PASS
			MCH	RB1#0	22.49	23.98	30.00	PASS
				RB1#7	22.42	23.91	30.00	PASS
				RB1#14	22.40	23.89	30.00	PASS
				RB8#0	21.32	22.81	30.00	PASS
				RB8#4	21.25	22.74	30.00	PASS
				RB8#7	21.27	22.76	30.00	PASS
				RB15#0	21.25	22.74	30.00	PASS
			HCH	RB1#0	22.43	23.92	30.00	PASS
				RB1#7	22.47	23.96	30.00	PASS
				RB1#14	22.45	23.94	30.00	PASS
				RB8#0	21.34	22.83	30.00	PASS
				RB8#4	21.26	22.75	30.00	PASS
				RB8#7	21.21	22.70	30.00	PASS
				RB15#0	21.23	22.72	30.00	PASS

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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM161000852202

Page: 7 of 238

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND4	LTE/TM2	3M	LCH	RB1#0	21.50	22.99	30.00	PASS
				RB1#7	21.43	22.92	30.00	PASS
				RB1#14	21.42	22.91	30.00	PASS
				RB8#0	20.31	21.80	30.00	PASS
				RB8#4	20.26	21.75	30.00	PASS
				RB8#7	20.25	21.74	30.00	PASS
				RB15#0	20.23	21.72	30.00	PASS
			MCH	RB1#0	21.53	23.02	30.00	PASS
				RB1#7	21.53	23.02	30.00	PASS
				RB1#14	21.45	22.94	30.00	PASS
				RB8#0	20.38	21.87	30.00	PASS
				RB8#4	20.27	21.76	30.00	PASS
				RB8#7	20.32	21.81	30.00	PASS
				RB15#0	20.30	21.79	30.00	PASS
			HCH	RB1#0	21.47	22.96	30.00	PASS
				RB1#7	21.40	22.89	30.00	PASS
				RB1#14	21.39	22.88	30.00	PASS
				RB8#0	20.30	21.79	30.00	PASS
				RB8#4	20.33	21.82	30.00	PASS
				RB8#7	20.36	21.85	30.00	PASS
				RB15#0	20.28	21.77	30.00	PASS

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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM161000852202

Page: 8 of 238

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND4	LTE/TM3	3M	LCH	RB1#0	20.67	22.16	30.00	PASS
				RB1#7	20.64	22.13	30.00	PASS
				RB1#14	20.58	22.07	30.00	PASS
				RB8#0	19.35	20.84	30.00	PASS
				RB8#4	19.32	20.81	30.00	PASS
				RB8#7	19.32	20.81	30.00	PASS
				RB15#0	19.32	20.81	30.00	PASS
			MCH	RB1#0	20.71	22.20	30.00	PASS
				RB1#7	20.67	22.16	30.00	PASS
				RB1#14	20.59	22.08	30.00	PASS
				RB8#0	19.38	20.87	30.00	PASS
				RB8#4	19.34	20.83	30.00	PASS
				RB8#7	19.28	20.77	30.00	PASS
				RB15#0	19.30	20.79	30.00	PASS
			HCH	RB1#0	20.67	22.16	30.00	PASS
				RB1#7	20.64	22.13	30.00	PASS
				RB1#14	20.64	22.13	30.00	PASS
				RB8#0	19.34	20.83	30.00	PASS
				RB8#4	19.32	20.81	30.00	PASS
				RB8#7	19.31	20.80	30.00	PASS
				RB15#0	19.23	20.72	30.00	PASS

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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM161000852202

Page: 9 of 238

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND4	LTE/TM1	5M	LCH	RB1#0	22.40	23.89	30.00	PASS
				RB1#13	22.42	23.91	30.00	PASS
				RB1#24	22.36	23.85	30.00	PASS
				RB12#0	21.30	22.79	30.00	PASS
				RB12#6	21.25	22.74	30.00	PASS
				RB12#13	21.31	22.80	30.00	PASS
				RB25#0	21.24	22.73	30.00	PASS
			MCH	RB1#0	22.49	23.98	30.00	PASS
				RB1#13	22.42	23.91	30.00	PASS
				RB1#24	22.44	23.93	30.00	PASS
				RB12#0	21.35	22.84	30.00	PASS
				RB12#6	21.30	22.79	30.00	PASS
				RB12#13	21.29	22.78	30.00	PASS
				RB25#0	21.26	22.75	30.00	PASS
			HCH	RB1#0	22.46	23.95	30.00	PASS
				RB1#13	22.47	23.96	30.00	PASS
				RB1#24	22.46	23.95	30.00	PASS
				RB12#0	21.35	22.84	30.00	PASS
				RB12#6	21.29	22.78	30.00	PASS
				RB12#13	21.24	22.73	30.00	PASS
				RB25#0	21.27	22.76	30.00	PASS

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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM161000852202

Page: 10 of 238

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND4	LTE/TM2	5M	LCH	RB1#0	21.53	23.02	30.00	PASS
				RB1#13	21.44	22.93	30.00	PASS
				RB1#24	21.43	22.92	30.00	PASS
				RB12#0	20.36	21.85	30.00	PASS
				RB12#6	20.28	21.77	30.00	PASS
				RB12#13	20.29	21.78	30.00	PASS
				RB25#0	20.28	21.77	30.00	PASS
			MCH	RB1#0	21.55	23.04	30.00	PASS
				RB1#13	21.57	23.06	30.00	PASS
				RB1#24	21.50	22.99	30.00	PASS
				RB12#0	20.39	21.88	30.00	PASS
				RB12#6	20.30	21.79	30.00	PASS
				RB12#13	20.37	21.86	30.00	PASS
				RB25#0	20.33	21.82	30.00	PASS
			HCH	RB1#0	21.51	23.00	30.00	PASS
				RB1#13	21.45	22.94	30.00	PASS
				RB1#24	21.42	22.91	30.00	PASS
				RB12#0	20.34	21.83	30.00	PASS
				RB12#6	20.36	21.85	30.00	PASS
				RB12#13	20.38	21.87	30.00	PASS
				RB25#0	20.31	21.80	30.00	PASS

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Shenzhen Branch

Report No.: SZEM161000852202

Page: 11 of 238

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND4	LTE/TM3	5M	LCH	RB1#0	20.69	22.18	30.00	PASS
				RB1#13	20.66	22.15	30.00	PASS
				RB1#24	20.6	22.09	30.00	PASS
				RB12#0	19.37	20.86	30.00	PASS
				RB12#6	19.35	20.84	30.00	PASS
				RB12#13	19.34	20.83	30.00	PASS
				RB25#0	19.32	20.81	30.00	PASS
			MCH	RB1#0	20.73	22.22	30.00	PASS
				RB1#13	20.68	22.17	30.00	PASS
				RB1#24	20.61	22.10	30.00	PASS
				RB12#0	19.38	20.87	30.00	PASS
				RB12#6	19.35	20.84	30.00	PASS
				RB12#13	19.31	20.80	30.00	PASS
				RB25#0	19.31	20.80	30.00	PASS
			HCH	RB1#0	20.7	22.19	30.00	PASS
				RB1#13	20.66	22.15	30.00	PASS
				RB1#24	20.68	22.17	30.00	PASS
				RB12#0	19.37	20.86	30.00	PASS
				RB12#6	19.35	20.84	30.00	PASS
				RB12#13	19.32	20.81	30.00	PASS
				RB25#0	19.24	20.73	30.00	PASS

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Shenzhen Branch

Report No.: SZEM161000852202

Page: 12 of 238

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND4	LTE/TM1	10M	LCH	RB1#0	22.45	23.94	30.00	PASS
				RB1#25	22.43	23.92	30.00	PASS
				RB1#49	22.40	23.89	30.00	PASS
				RB25#0	21.33	22.82	30.00	PASS
				RB25#13	21.27	22.76	30.00	PASS
				RB25#25	21.31	22.80	30.00	PASS
				RB50#0	21.26	22.75	30.00	PASS
			MCH	RB1#0	22.50	23.99	30.00	PASS
				RB1#25	22.45	23.94	30.00	PASS
				RB1#49	22.46	23.95	30.00	PASS
				RB25#0	21.38	22.87	30.00	PASS
				RB25#13	21.32	22.81	30.00	PASS
				RB25#25	21.33	22.82	30.00	PASS
				RB50#0	21.26	22.75	30.00	PASS
			HCH	RB1#0	22.50	23.99	30.00	PASS
				RB1#25	22.48	23.97	30.00	PASS
				RB1#49	22.49	23.98	30.00	PASS
				RB25#0	21.37	22.86	30.00	PASS
				RB25#13	21.29	22.78	30.00	PASS
				RB25#25	21.28	22.77	30.00	PASS
				RB50#0	21.30	22.79	30.00	PASS

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Shenzhen Branch

Report No.: SZEM161000852202

Page: 13 of 238

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND4	LTE/TM2	10M	LCH	RB1#0	21.54	23.03	30.00	PASS
				RB1#25	21.46	22.95	30.00	PASS
				RB1#49	21.46	22.95	30.00	PASS
				RB25#0	20.38	21.87	30.00	PASS
				RB25#13	20.32	21.81	30.00	PASS
				RB25#25	20.31	21.80	30.00	PASS
				RB50#0	20.32	21.81	30.00	PASS
			MCH	RB1#0	21.56	23.05	30.00	PASS
				RB1#25	21.59	23.08	30.00	PASS
				RB1#49	21.54	23.03	30.00	PASS
				RB25#0	20.41	21.90	30.00	PASS
				RB25#13	20.34	21.83	30.00	PASS
				RB25#25	20.38	21.87	30.00	PASS
				RB50#0	20.35	21.84	30.00	PASS
			HCH	RB1#0	21.54	23.03	30.00	PASS
				RB1#25	21.48	22.97	30.00	PASS
				RB1#49	21.44	22.93	30.00	PASS
				RB25#0	20.39	21.88	30.00	PASS
				RB25#13	20.40	21.89	30.00	PASS
				RB25#25	20.42	21.91	30.00	PASS
				RB50#0	20.34	21.83	30.00	PASS

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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM161000852202

Page: 14 of 238

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND4	LTE/TM3	10M	LCH	RB1#0	20.70	22.19	30.00	PASS
				RB1#25	20.67	22.16	30.00	PASS
				RB1#49	20.64	22.13	30.00	PASS
				RB25#0	19.41	20.90	30.00	PASS
				RB25#13	19.39	20.88	30.00	PASS
				RB25#25	19.34	20.83	30.00	PASS
				RB50#0	19.33	20.82	30.00	PASS
			MCH	RB1#0	20.73	22.22	30.00	PASS
				RB1#25	20.70	22.19	30.00	PASS
				RB1#49	20.64	22.13	30.00	PASS
				RB25#0	19.41	20.90	30.00	PASS
				RB25#13	19.39	20.88	30.00	PASS
				RB25#25	19.33	20.82	30.00	PASS
				RB50#0	19.31	20.80	30.00	PASS
			HCH	RB1#0	20.74	22.23	30.00	PASS
				RB1#25	20.69	22.18	30.00	PASS
				RB1#49	20.69	22.18	30.00	PASS
				RB25#0	19.41	20.90	30.00	PASS
				RB25#13	19.37	20.86	30.00	PASS
				RB25#25	19.32	20.81	30.00	PASS
				RB50#0	19.26	20.75	30.00	PASS

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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM161000852202

Page: 15 of 238

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND4	LTE/TM1	15M	LCH	RB1#0	22.50	23.99	30.00	PASS
				RB1#38	22.45	23.94	30.00	PASS
				RB1#74	22.41	23.90	30.00	PASS
				RB36#0	21.37	22.86	30.00	PASS
				RB36#18	21.31	22.80	30.00	PASS
				RB36#39	21.31	22.80	30.00	PASS
				RB75#0	21.27	22.76	30.00	PASS
			MCH	RB1#0	22.53	24.02	30.00	PASS
				RB1#38	22.48	23.97	30.00	PASS
				RB1#74	22.49	23.98	30.00	PASS
				RB36#0	21.42	22.91	30.00	PASS
				RB36#18	21.36	22.85	30.00	PASS
				RB36#39	21.33	22.82	30.00	PASS
				RB75#0	21.30	22.79	30.00	PASS
			HCH	RB1#0	22.54	24.03	30.00	PASS
				RB1#38	22.51	24.00	30.00	PASS
				RB1#74	22.53	24.02	30.00	PASS
				RB36#0	21.37	22.86	30.00	PASS
				RB36#18	21.33	22.82	30.00	PASS
				RB36#39	21.29	22.78	30.00	PASS
				RB75#0	21.30	22.79	30.00	PASS

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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM161000852202

Page: 16 of 238

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND4	LTE/TM2	15M	LCH	RB1#0	21.55	23.04	30.00	PASS
				RB1#38	21.48	22.97	30.00	PASS
				RB1#74	21.50	22.99	30.00	PASS
				RB36#0	20.39	21.88	30.00	PASS
				RB36#18	20.34	21.83	30.00	PASS
				RB36#39	20.35	21.84	30.00	PASS
				RB75#0	20.34	21.83	30.00	PASS
			MCH	RB1#0	21.58	23.07	30.00	PASS
				RB1#38	21.59	23.08	30.00	PASS
				RB1#74	21.56	23.05	30.00	PASS
				RB36#0	20.43	21.92	30.00	PASS
				RB36#18	20.39	21.88	30.00	PASS
				RB36#39	20.39	21.88	30.00	PASS
				RB75#0	20.36	21.85	30.00	PASS
			HCH	RB1#0	21.56	23.05	30.00	PASS
				RB1#38	21.52	23.01	30.00	PASS
				RB1#74	21.48	22.97	30.00	PASS
				RB36#0	20.40	21.89	30.00	PASS
				RB36#18	20.41	21.90	30.00	PASS
				RB36#39	20.42	21.91	30.00	PASS
				RB75#0	20.38	21.87	30.00	PASS

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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM161000852202

Page: 17 of 238

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND4	LTE/TM3	15M	LCH	RB1#0	20.70	22.19	30.00	PASS
				RB1#38	20.68	22.17	30.00	PASS
				RB1#74	20.64	22.13	30.00	PASS
				RB36#0	19.43	20.92	30.00	PASS
				RB36#18	19.42	20.91	30.00	PASS
				RB36#39	19.37	20.86	30.00	PASS
				RB75#0	19.33	20.82	30.00	PASS
			MCH	RB1#0	20.74	22.23	30.00	PASS
				RB1#38	20.73	22.22	30.00	PASS
				RB1#74	20.68	22.17	30.00	PASS
				RB36#0	19.42	20.91	30.00	PASS
				RB36#18	19.40	20.89	30.00	PASS
				RB36#39	19.35	20.84	30.00	PASS
				RB75#0	19.36	20.85	30.00	PASS
			HCH	RB1#0	20.74	22.23	30.00	PASS
				RB1#38	20.73	22.22	30.00	PASS
				RB1#74	20.71	22.20	30.00	PASS
				RB36#0	19.43	20.92	30.00	PASS
				RB36#18	19.39	20.88	30.00	PASS
				RB36#39	19.33	20.82	30.00	PASS
				RB75#0	19.28	20.77	30.00	PASS

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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM161000852202

Page: 18 of 238

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND4	LTE/TM1	20M	LCH	RB1#0	22.51	24.00	30.00	PASS
				RB1#50	22.47	23.96	30.00	PASS
				RB1#99	22.44	23.93	30.00	PASS
				RB50#0	21.39	22.88	30.00	PASS
				RB50#25	21.35	22.84	30.00	PASS
				RB50#50	21.31	22.80	30.00	PASS
				RB100#0	21.28	22.77	30.00	PASS
			MCH	RB1#0	22.55	24.04	30.00	PASS
				RB1#50	22.52	24.01	30.00	PASS
				RB1#99	22.51	24.00	30.00	PASS
				RB50#0	21.43	22.92	30.00	PASS
				RB50#25	21.41	22.90	30.00	PASS
				RB50#50	21.36	22.85	30.00	PASS
				RB100#0	21.32	22.81	30.00	PASS
			HCH	RB1#0	22.53	24.02	30.00	PASS
				RB1#50	22.54	24.03	30.00	PASS
				RB1#99	22.53	24.02	30.00	PASS
				RB50#0	21.40	22.89	30.00	PASS
				RB50#25	21.35	22.84	30.00	PASS
				RB50#50	21.33	22.82	30.00	PASS
				RB100#0	21.30	22.79	30.00	PASS

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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM161000852202

Page: 19 of 238

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND4	LTE/TM2	20M	LCH	RB1#0	21.58	23.07	30.00	PASS
				RB1#50	21.53	23.02	30.00	PASS
				RB1#99	21.5	22.99	30.00	PASS
				RB50#0	20.40	21.89	30.00	PASS
				RB50#25	20.38	21.87	30.00	PASS
				RB50#50	20.37	21.86	30.00	PASS
				RB100#0	20.35	21.84	30.00	PASS
			MCH	RB1#0	21.62	23.11	30.00	PASS
				RB1#50	21.59	23.08	30.00	PASS
				RB1#99	21.58	23.07	30.00	PASS
				RB50#0	20.44	21.93	30.00	PASS
				RB50#25	20.40	21.89	30.00	PASS
				RB50#50	20.40	21.89	30.00	PASS
				RB100#0	20.38	21.87	30.00	PASS
			HCH	RB1#0	21.58	23.07	30.00	PASS
				RB1#50	21.56	23.05	30.00	PASS
				RB1#99	21.52	23.01	30.00	PASS
				RB50#0	20.43	21.92	30.00	PASS
				RB50#25	20.43	21.92	30.00	PASS
				RB50#50	20.43	21.92	30.00	PASS
				RB100#0	20.41	21.90	30.00	PASS

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SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZEM161000852202

Page: 20 of 238

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND4	LTE/TM3	20M	LCH	RB1#0	20.74	22.23	30.00	PASS
				RB1#50	20.73	22.22	30.00	PASS
				RB1#99	20.69	22.18	30.00	PASS
				RB50#0	19.44	20.93	30.00	PASS
				RB50#25	19.42	20.91	30.00	PASS
				RB50#50	19.40	20.89	30.00	PASS
				RB100#0	19.36	20.85	30.00	PASS
			MCH	RB1#0	20.78	22.27	30.00	PASS
				RB1#50	20.77	22.26	30.00	PASS
				RB1#99	20.72	22.21	30.00	PASS
				RB50#0	19.45	20.94	30.00	PASS
				RB50#25	19.41	20.90	30.00	PASS
				RB50#50	19.40	20.89	30.00	PASS
				RB100#0	19.40	20.89	30.00	PASS
			HCH	RB1#0	20.76	22.25	30.00	PASS
				RB1#50	20.76	22.25	30.00	PASS
				RB1#99	20.73	22.22	30.00	PASS
				RB50#0	19.44	20.93	30.00	PASS
				RB50#25	19.40	20.89	30.00	PASS
				RB50#50	19.36	20.85	30.00	PASS
				RB100#0	19.32	20.81	30.00	PASS

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**SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch**

Report No.: SZEM161000852202

Page: 21 of 238

Note:

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

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

b: SGP=Signal Generator Level

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

Detector: RMS



2 Peak-to-Average Ratio

Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
Band 4	TM1/20M	LCH	4.81	13	PASS
		MCH	4.84	13	PASS
		HCH	4.90	13	PASS
	TM2/20M	LCH	5.88	13	PASS
		MCH	5.91	13	PASS
		HCH	6.03	13	PASS
	TM3/20M	LCH	6.41	13	PASS
		MCH	6.43	13	PASS
		HCH	6.52	13	PASS



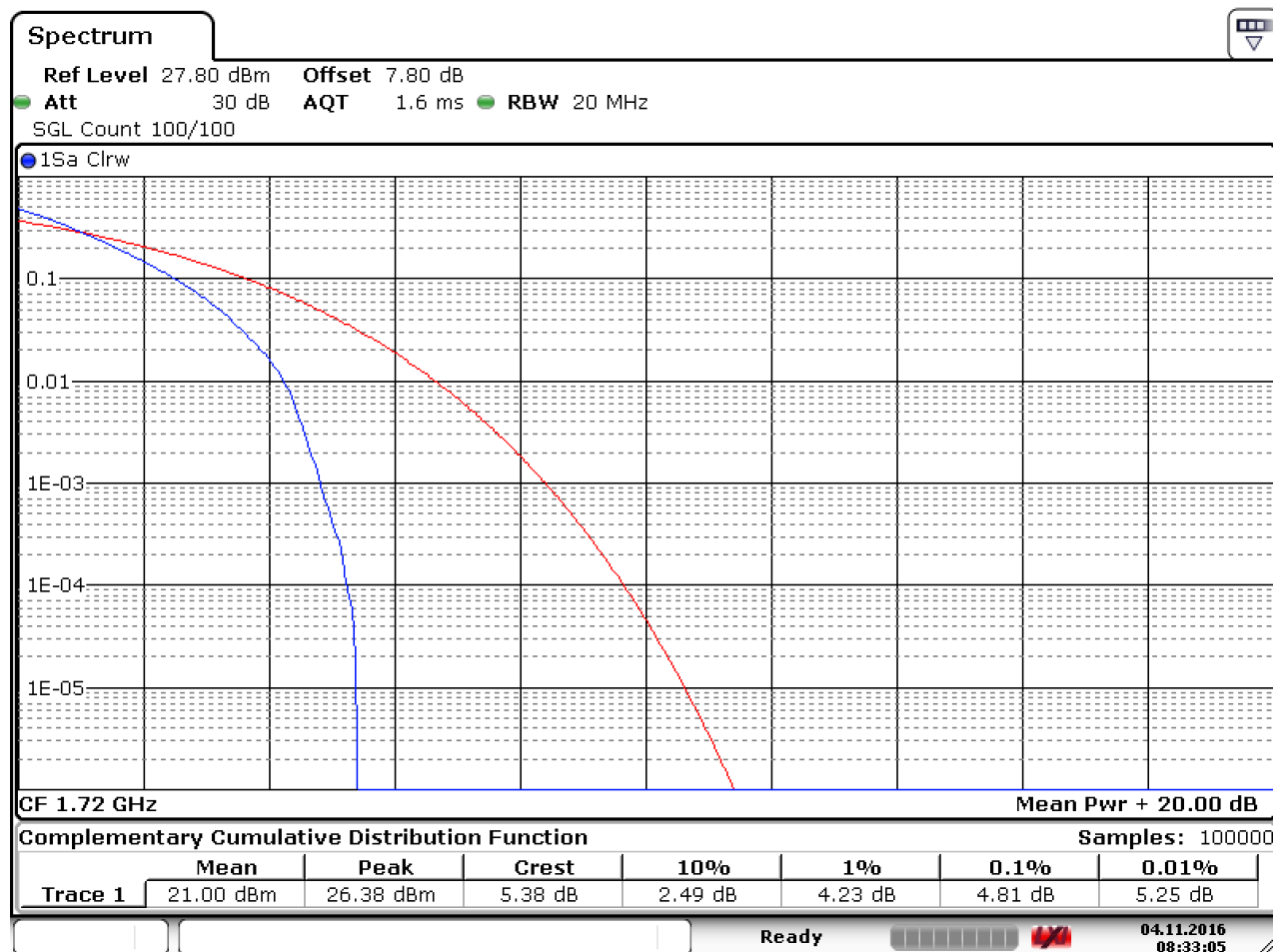
Part II - Test Plots

2.1 For LTE

2.1.1 Test Band = LTE band 4

2.1.1.1 Test Mode = LTE/TM1.Bandwidth=20MHz

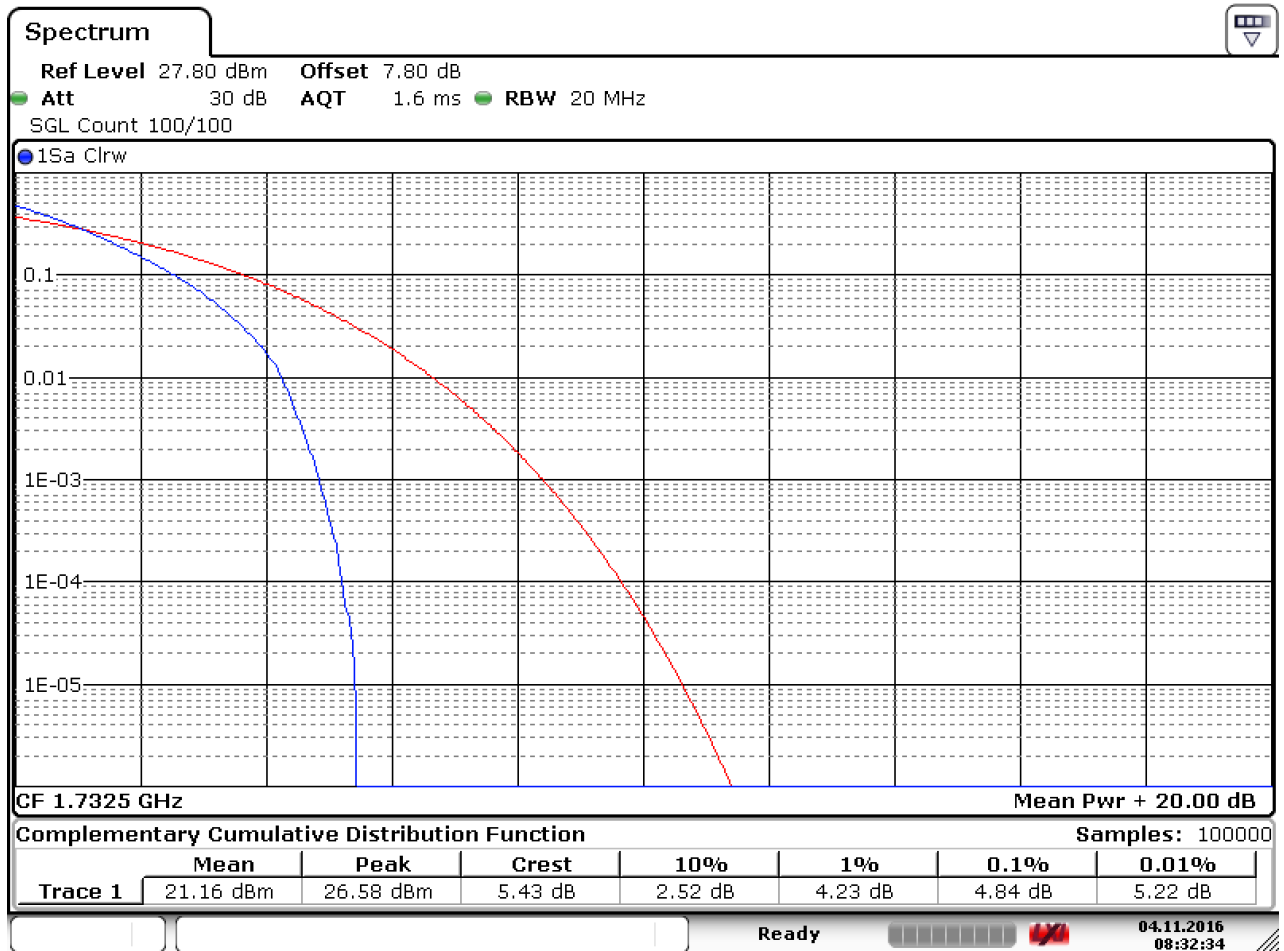
2.1.1.1.1 Test Channel = LCH



Date: 4.NOV.2016 08:33:05



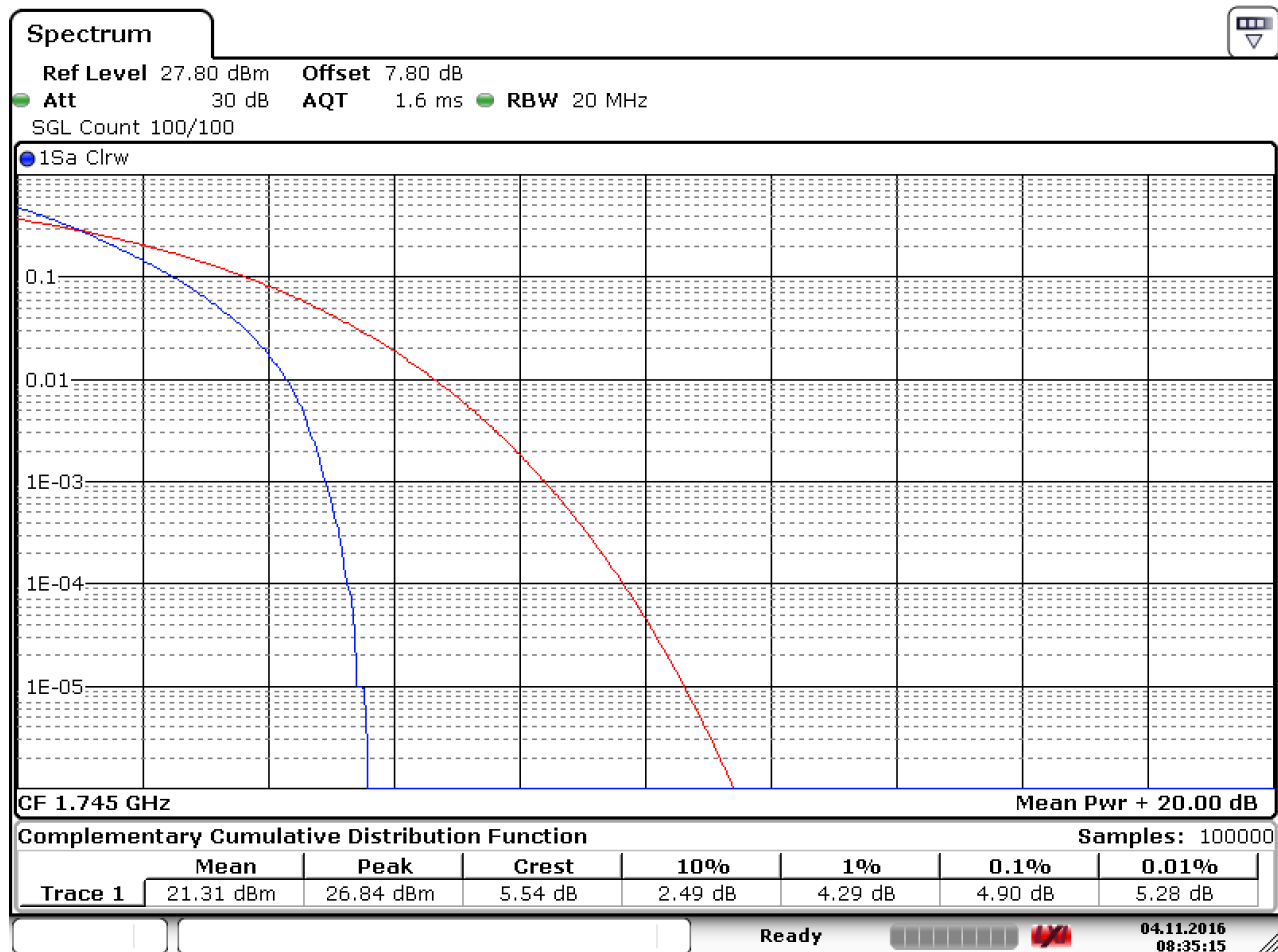
2.1.1.1.2 Test Channel = MCH



Date: 4.NOV.2016 08:32:35



2.1.1.1.3 Test Channel = HCH

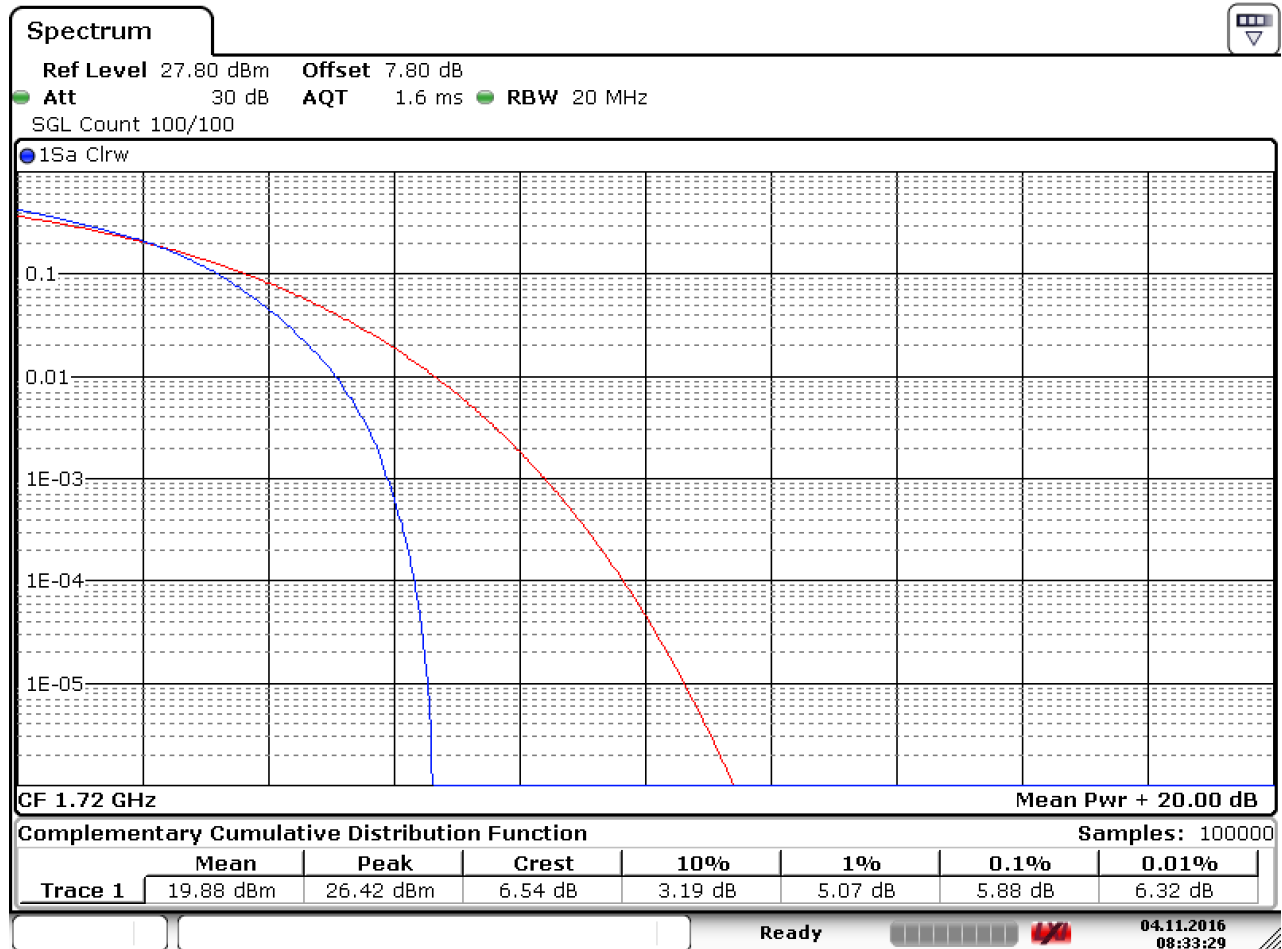


Date: 4.NOV.2016 08:35:16



2.1.1.2 Test Mode = LTE/TM2.Bandwidth=20MHz

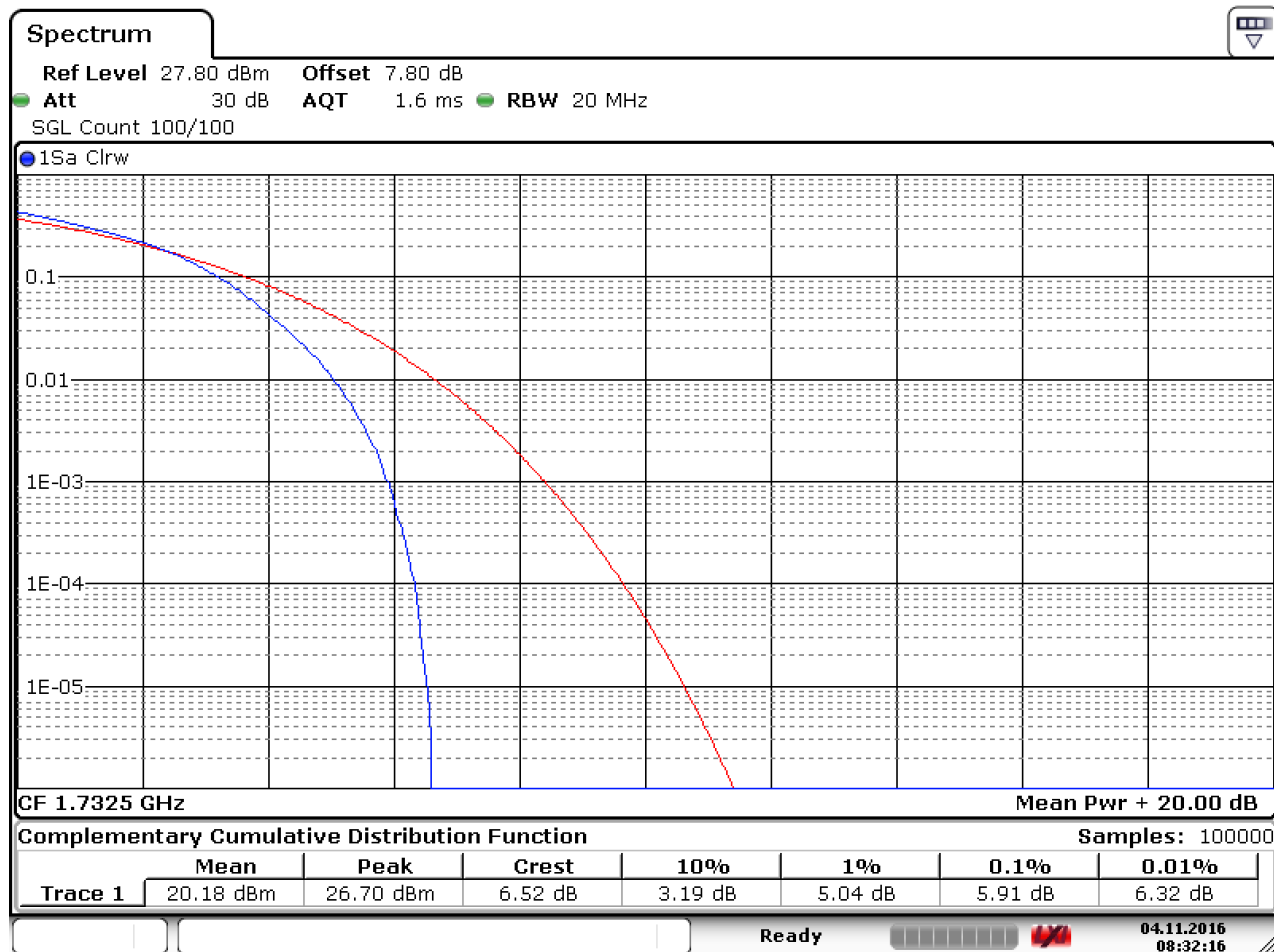
2.1.1.2.1 Test Channel = LCH



Date: 4.NOV.2016 08:33:30



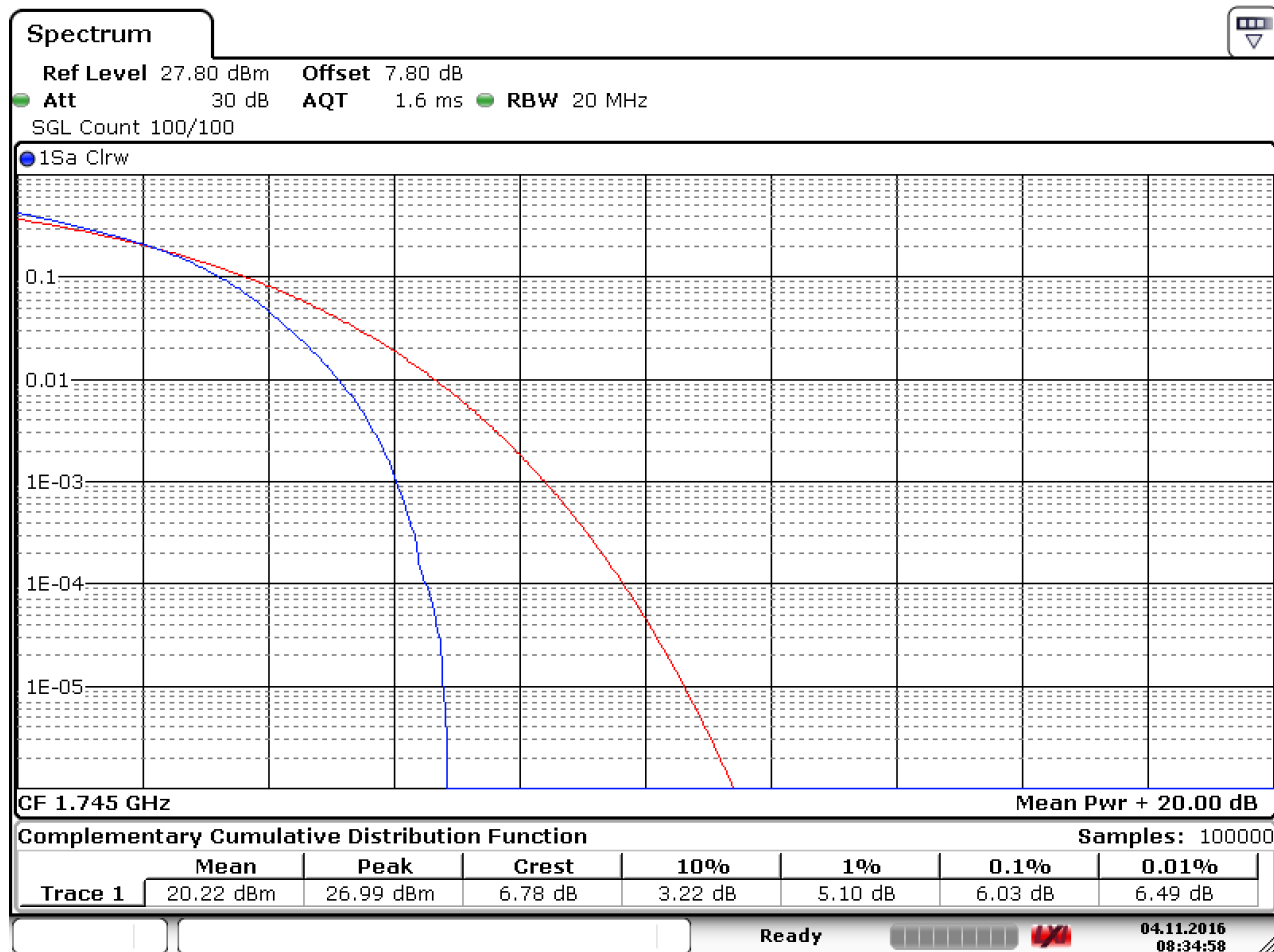
2.1.1.2.2 Test Channel = MCH



Date: 4.NOV.2016 08:32:16



2.1.1.2.3 Test Channel = HCH

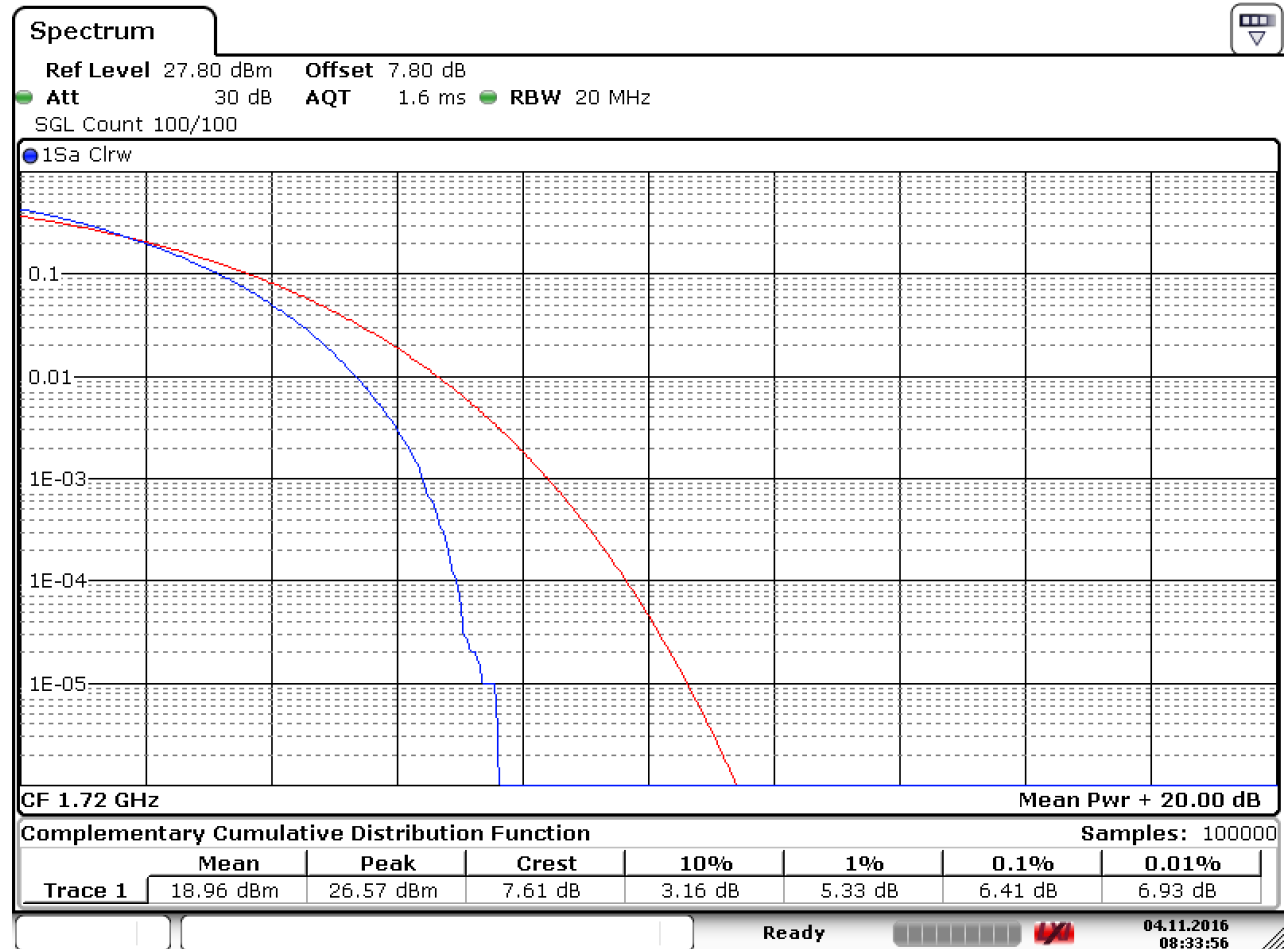


Date: 4.NOV.2016 08:34:59



2.1.1.3 Test Mode = LTE/TM3.Bandwidth=20MHz

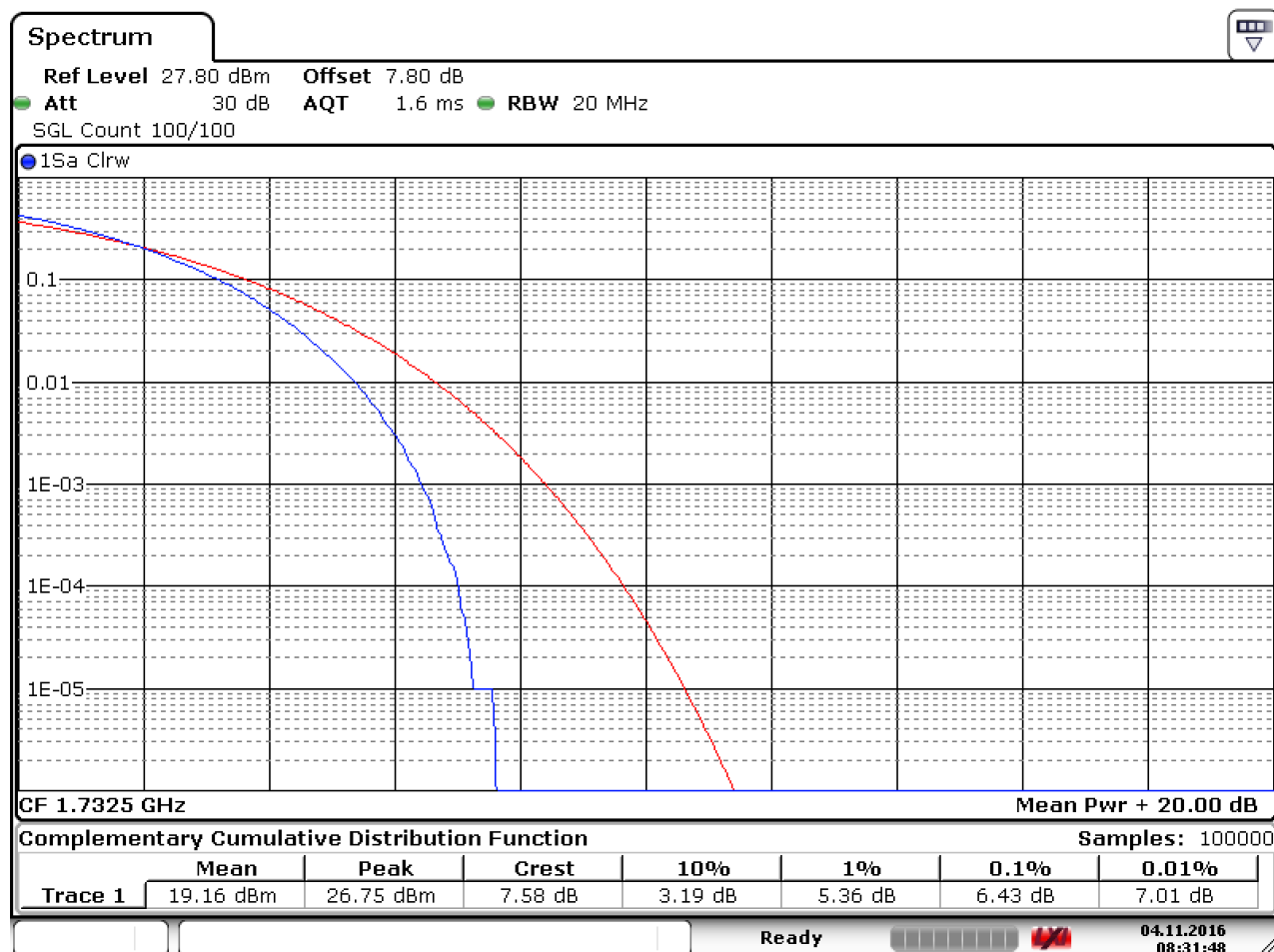
2.1.1.3.1 Test Channel = LCH



Date: 4.NOV.2016 08:33:56



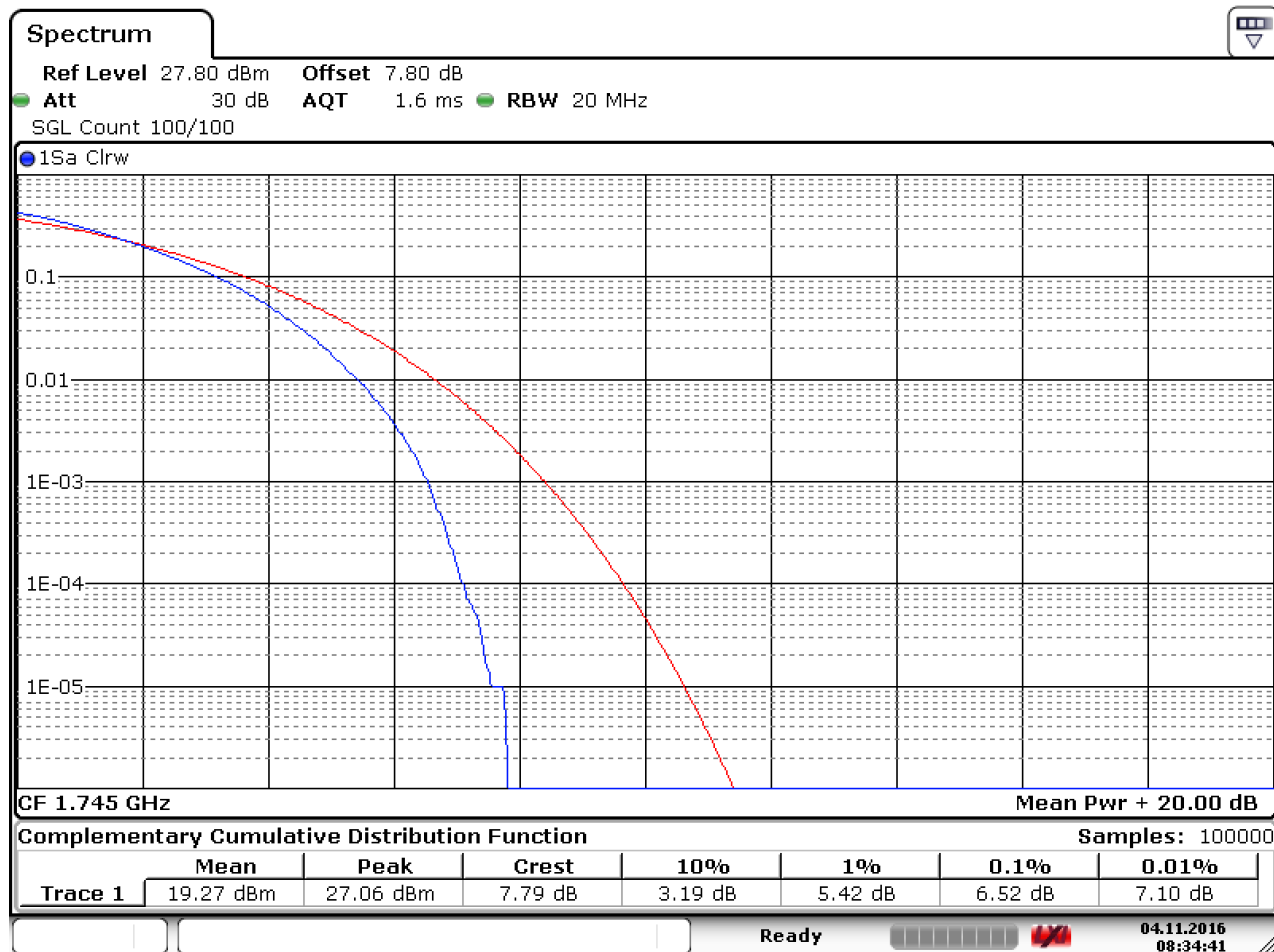
2.1.1.3.2 Test Channel = MCH



Date: 4.NOV.2016 08:31:47



2.1.1.3.3 Test Channel = HCH



Date: 4.NOV.2016 08:34:42

3 Modulation Characteristics

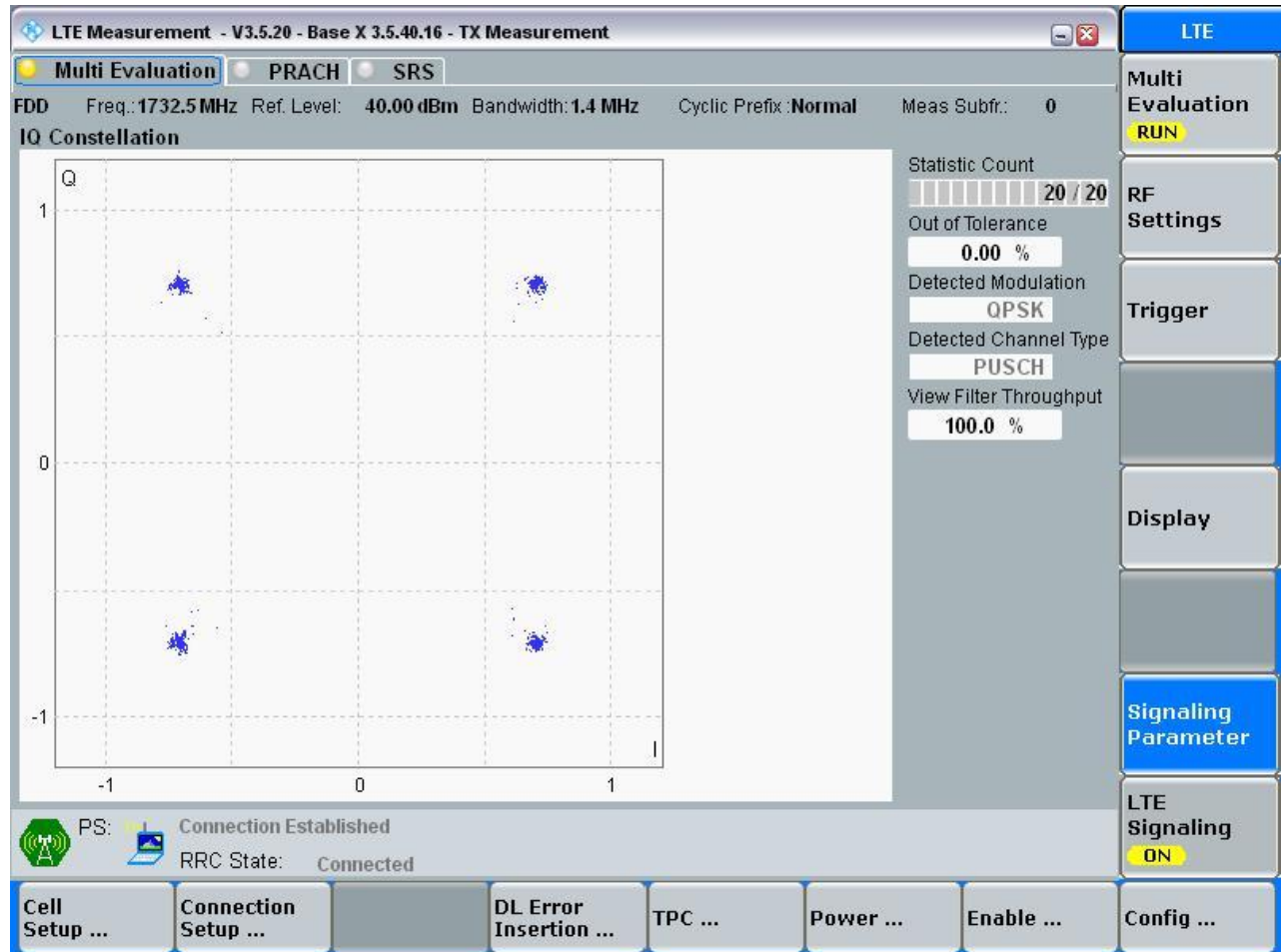
Part I - Test Plots

3.1 For LTE

3.1.1 Test Band = LTE band 4

3.1.1.1 Test Mode = LTE /TM1 1.4MHz

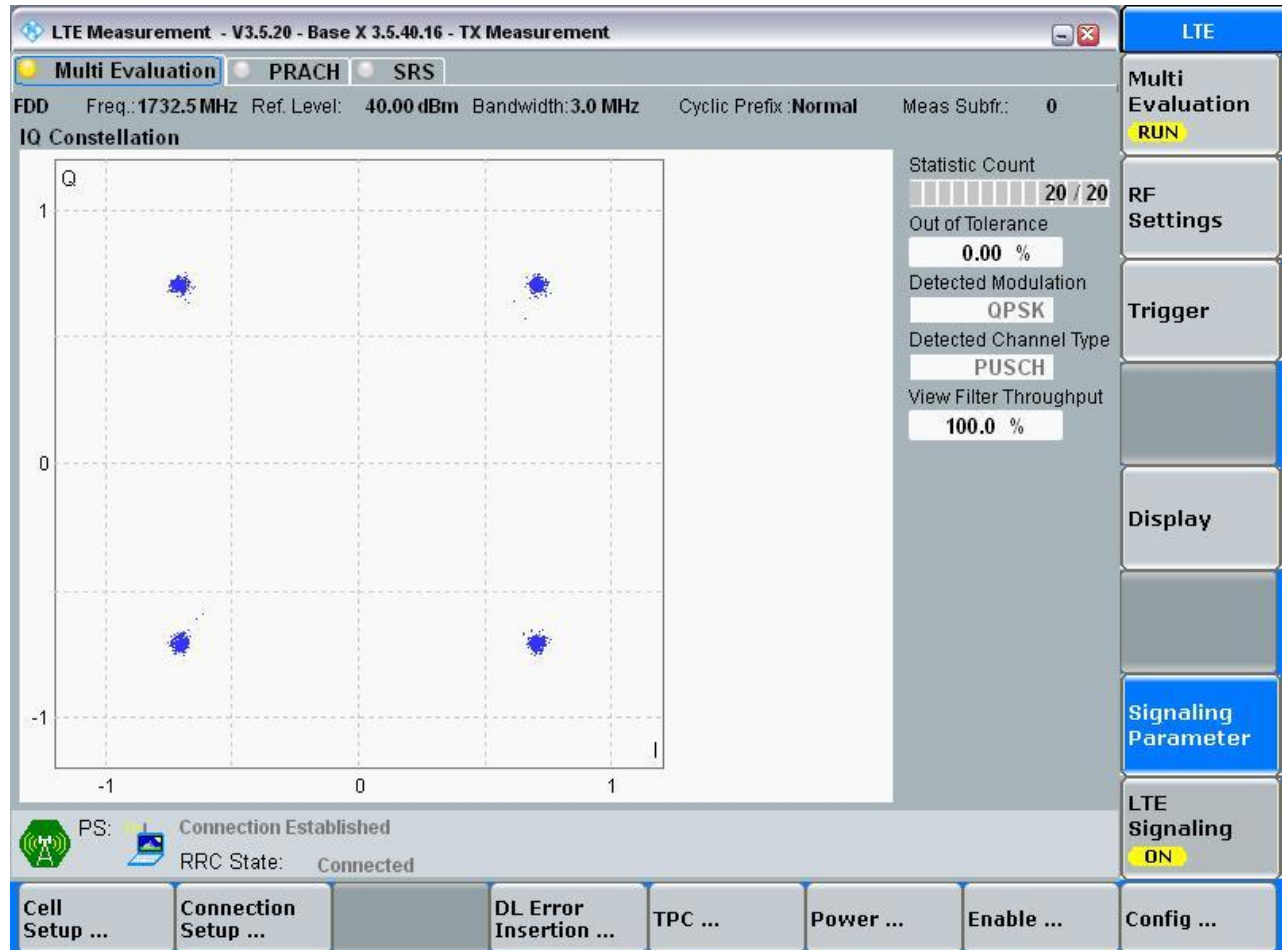
3.1.1.1.1 Test Channel = MCH





3.1.1.2 Test Mode = LTE /TM1 3MHz

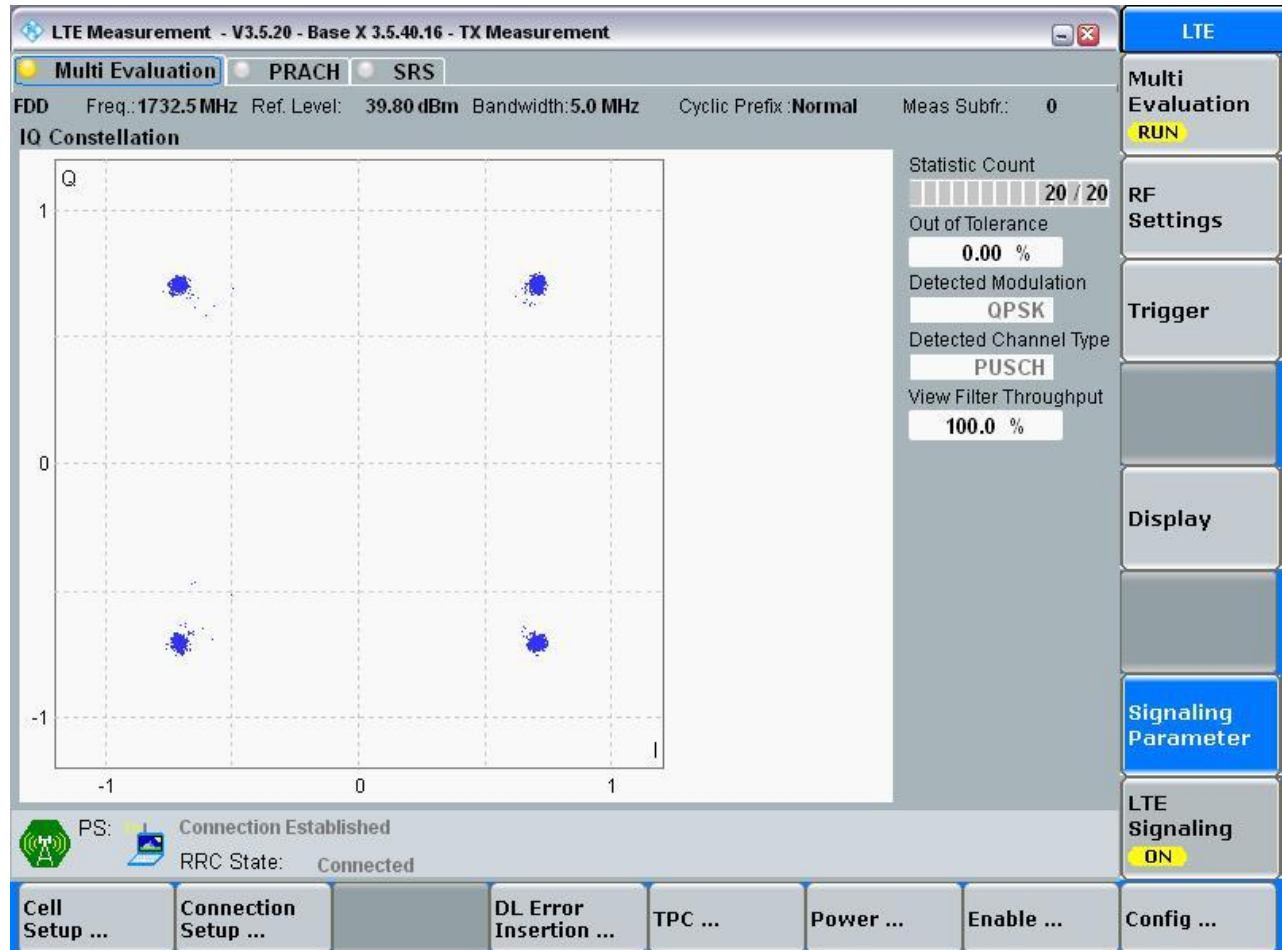
3.1.1.2.1 Test Channel = MCH





3.1.1.3 Test Mode = LTE /TM1 5MHz

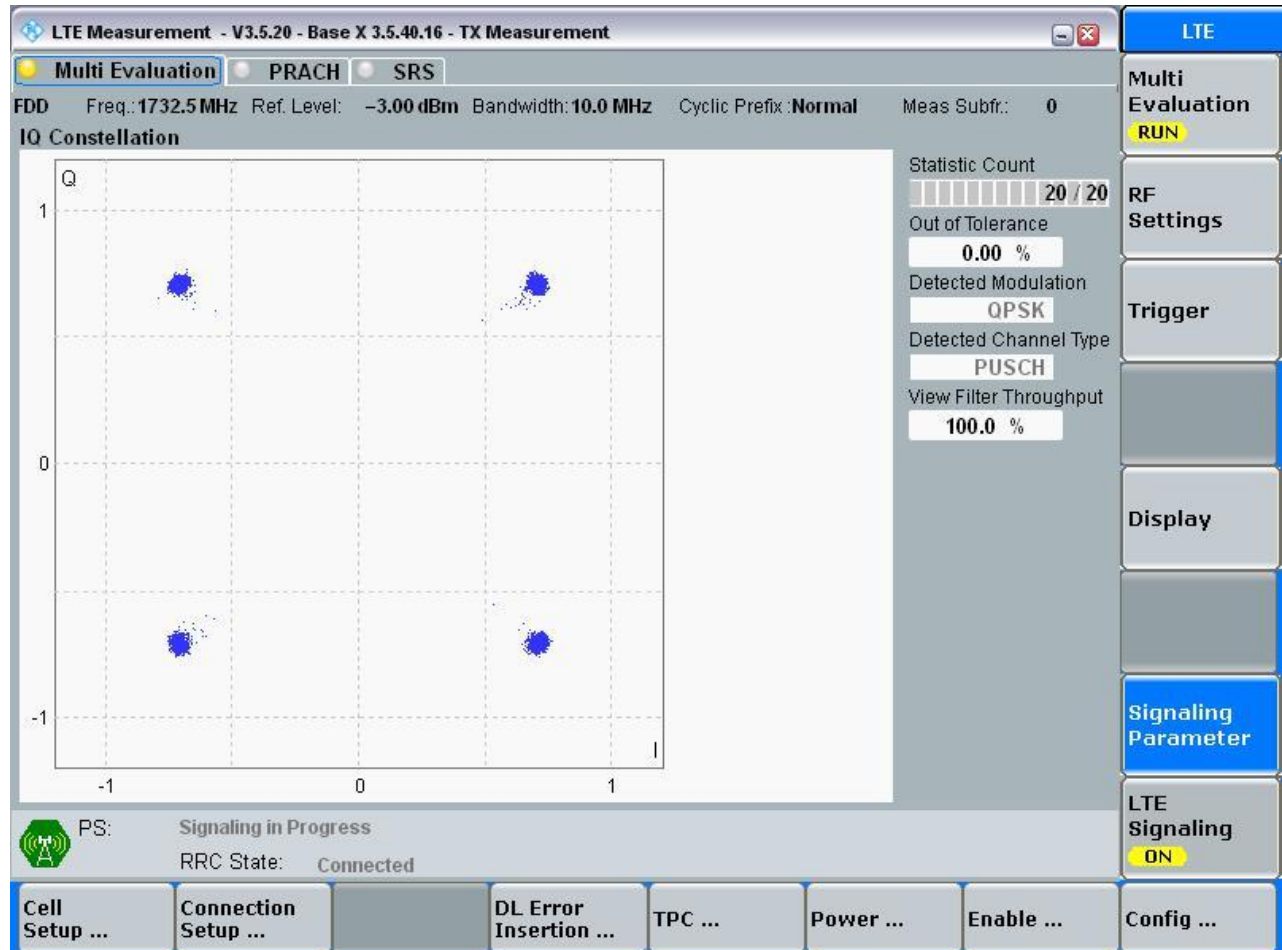
3.1.1.3.1 Test Channel = MCH





3.1.1.4 Test Mode = LTE /TM1 10MHz

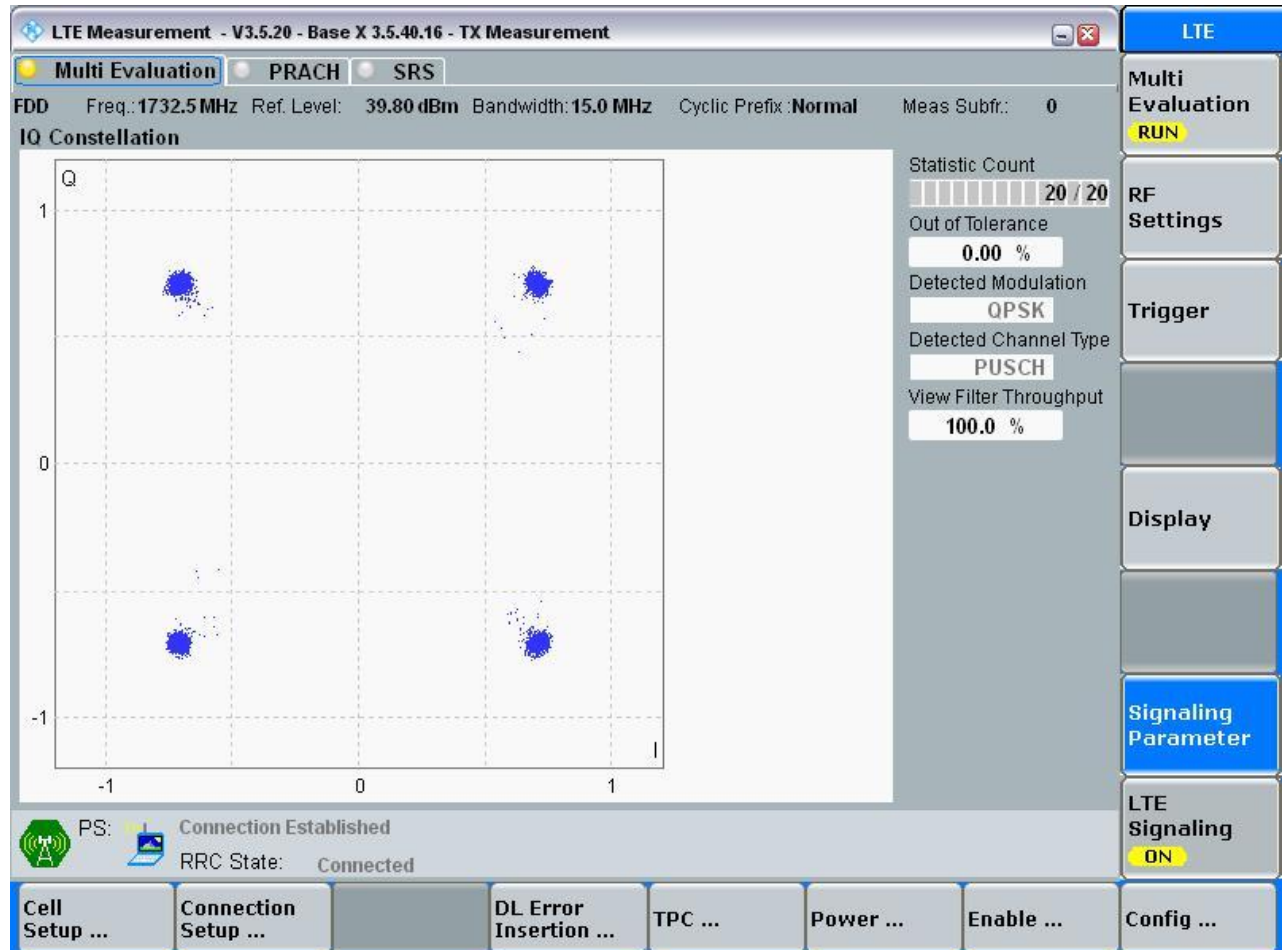
3.1.1.4.1 Test Channel = MCH





3.1.1.5 Test Mode = LTE /TM1 15MHz

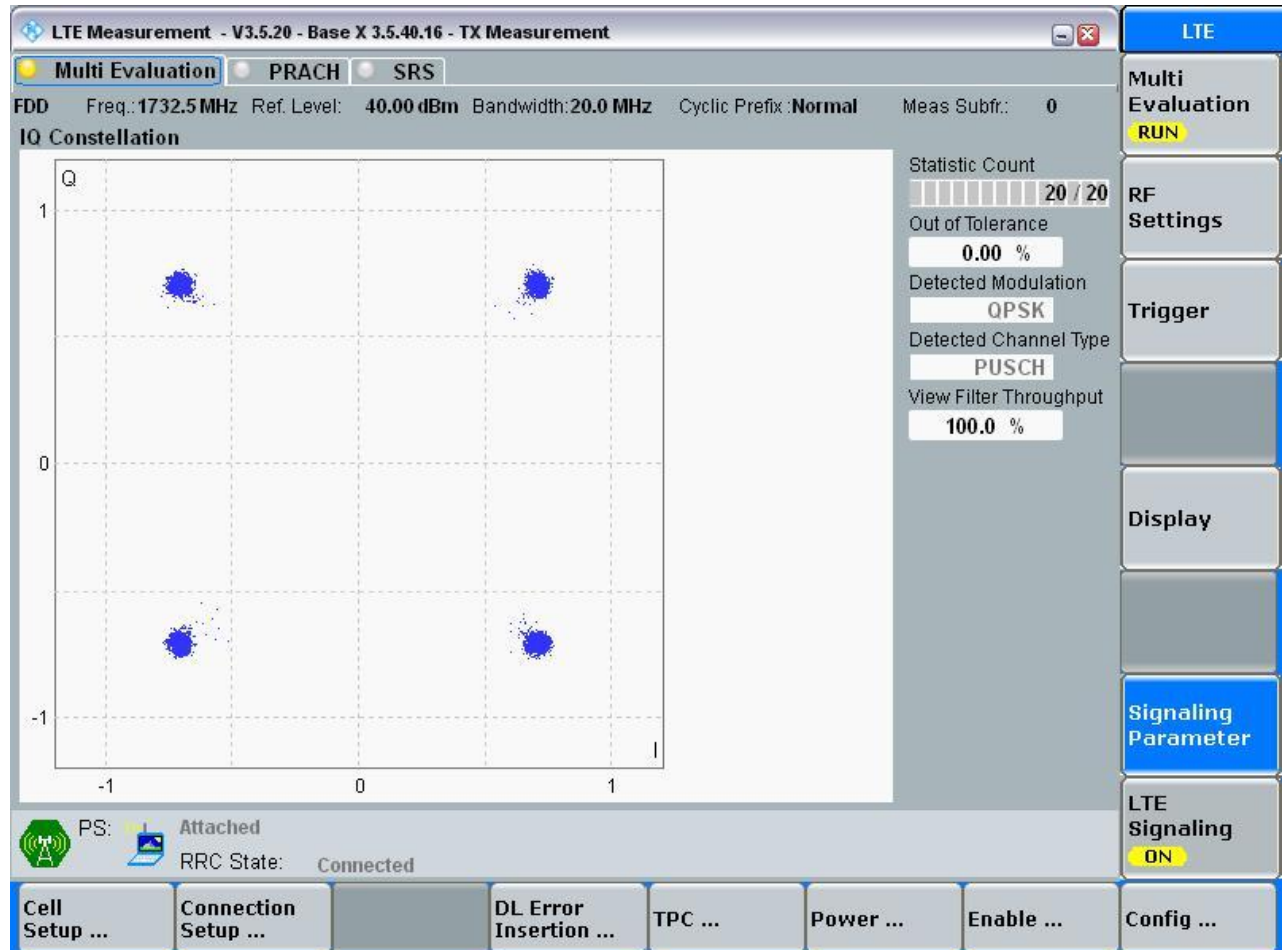
3.1.1.5.1 Test Channel = MCH





3.1.1.6 Test Mode = LTE /TM1 20MHz

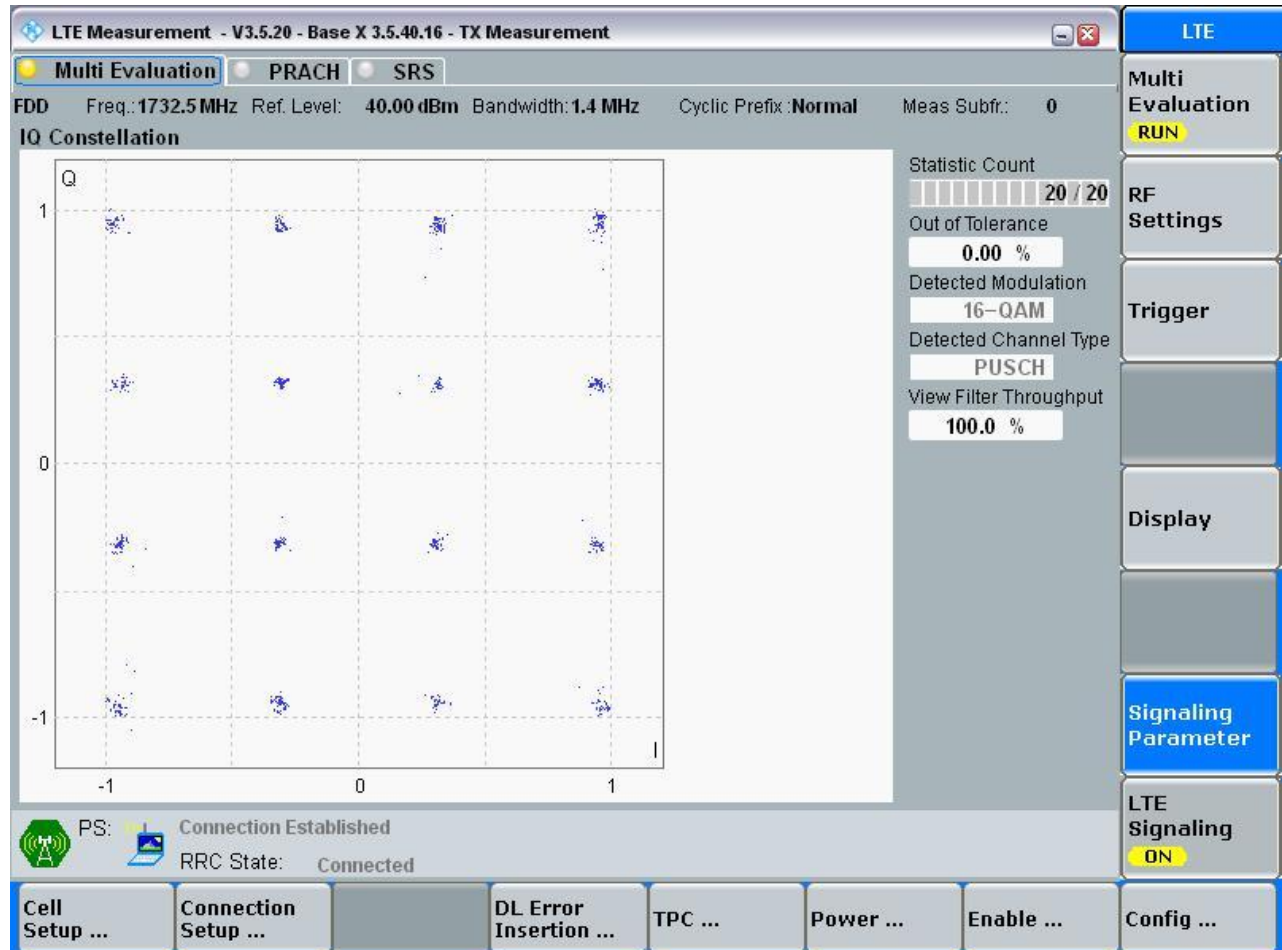
3.1.1.6.1 Test Channel = MCH





3.1.1.7 Test Mode = LTE /TM2 1.4MHz

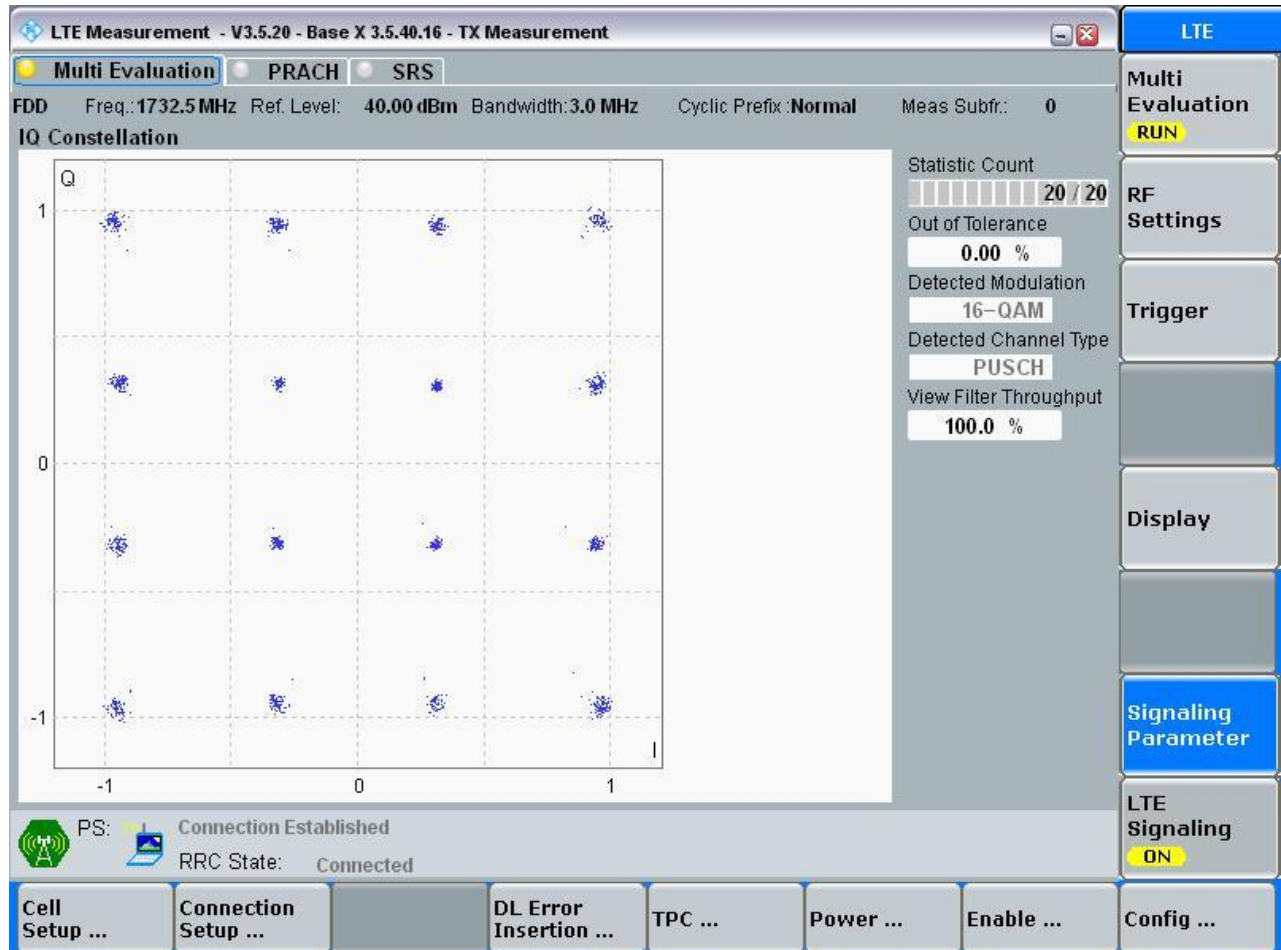
3.1.1.7.1 Test Channel = MCH





3.1.1.8 Test Mode = LTE /TM2 3MHz

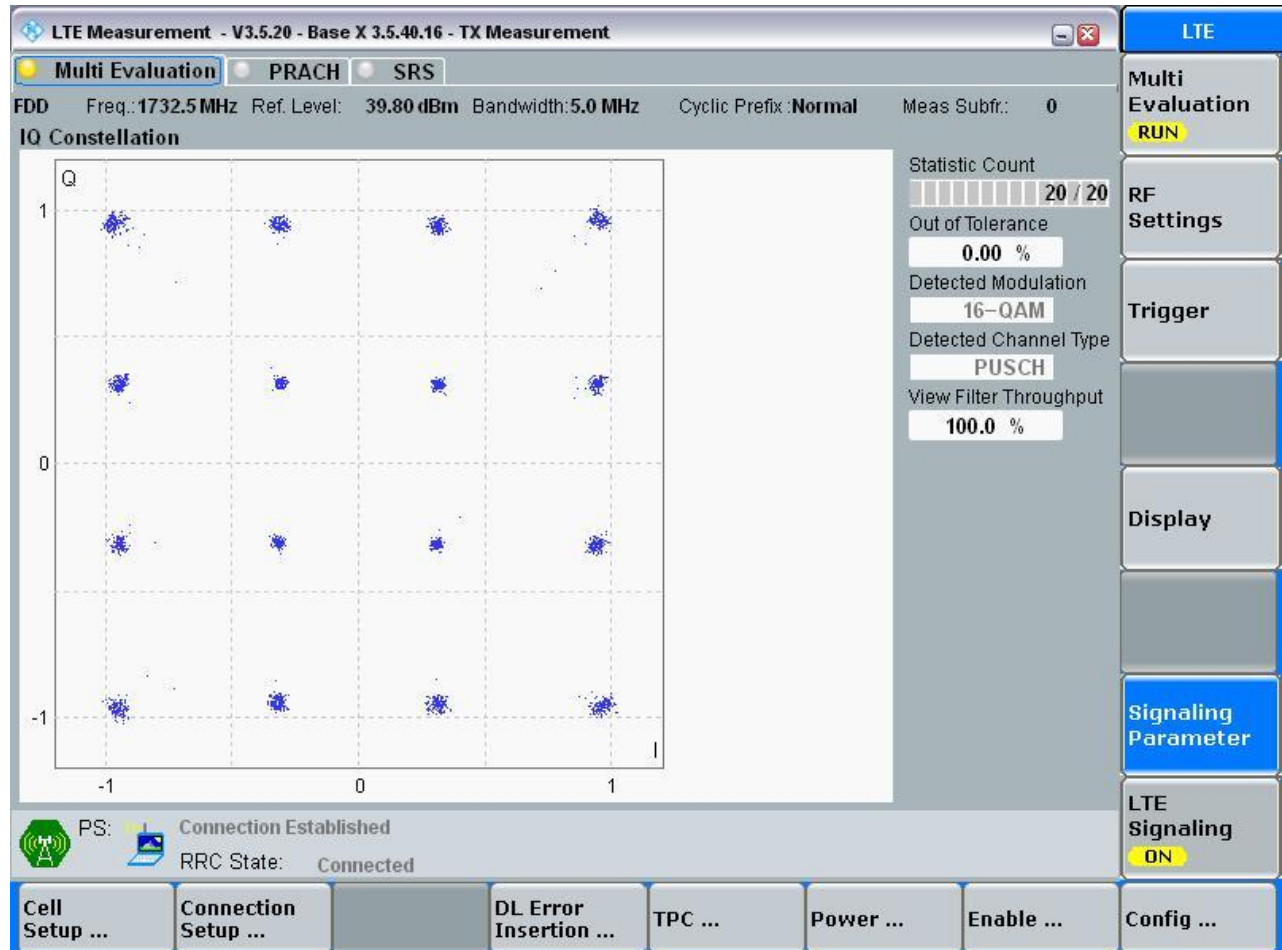
3.1.1.8.1 Test Channel = MCH





3.1.1.9 Test Mode = LTE /TM2 5MHz

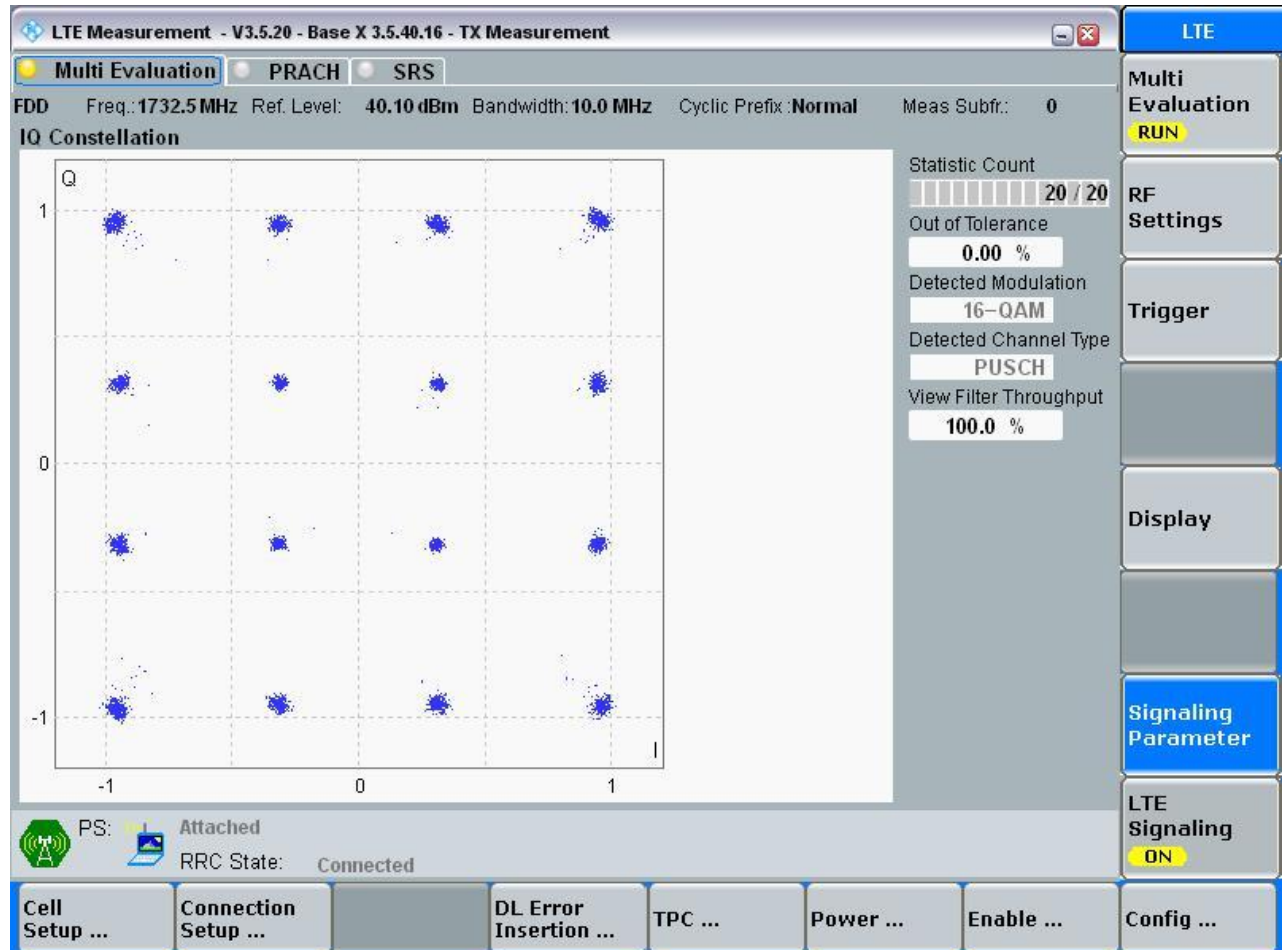
3.1.1.9.1 Test Channel = MCH





3.1.1.10 Test Mode = LTE /TM2 10MHz

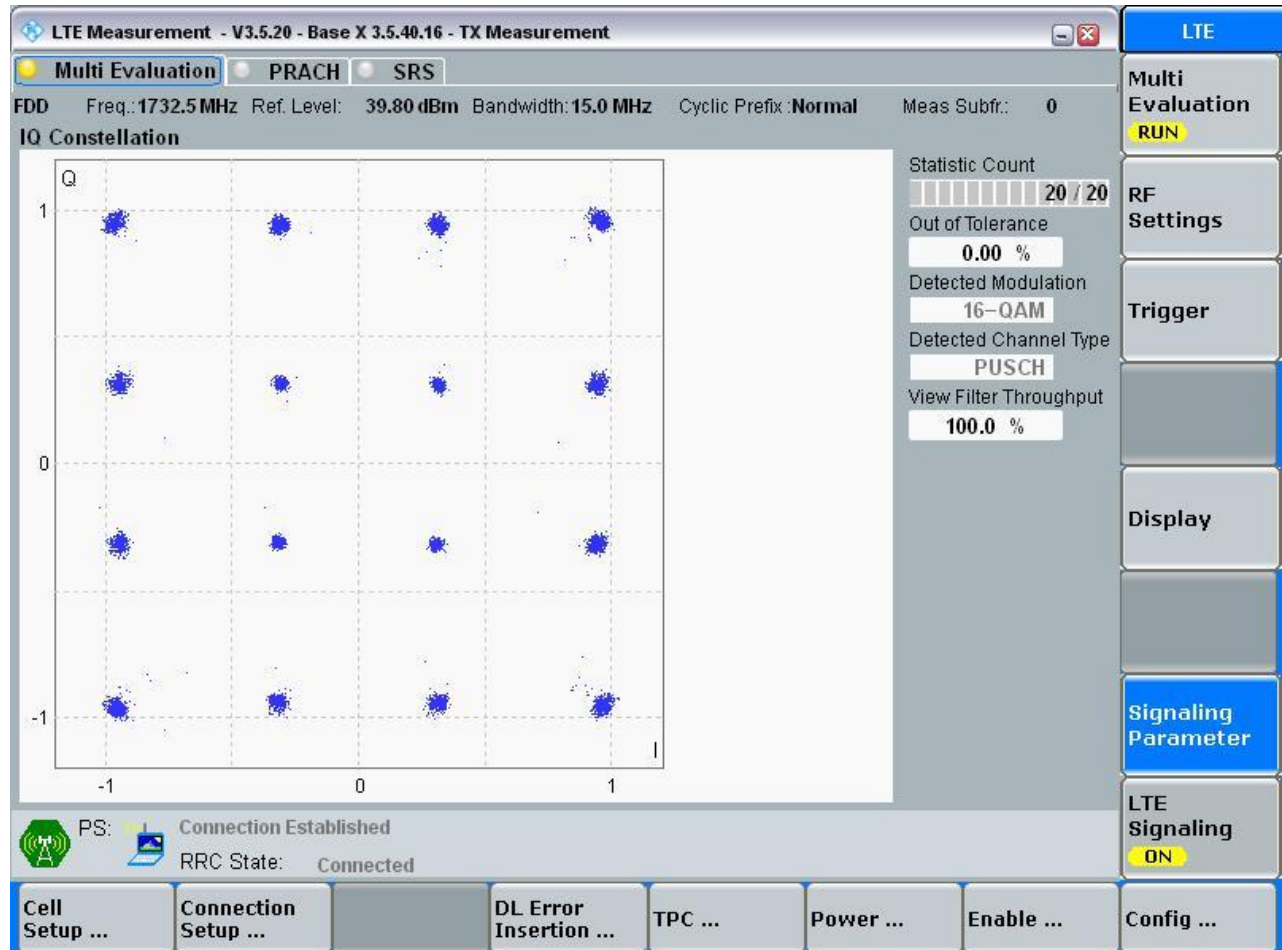
3.1.1.10.1 Test Channel = MCH





3.1.1.11 Test Mode = LTE /TM2 15MHz

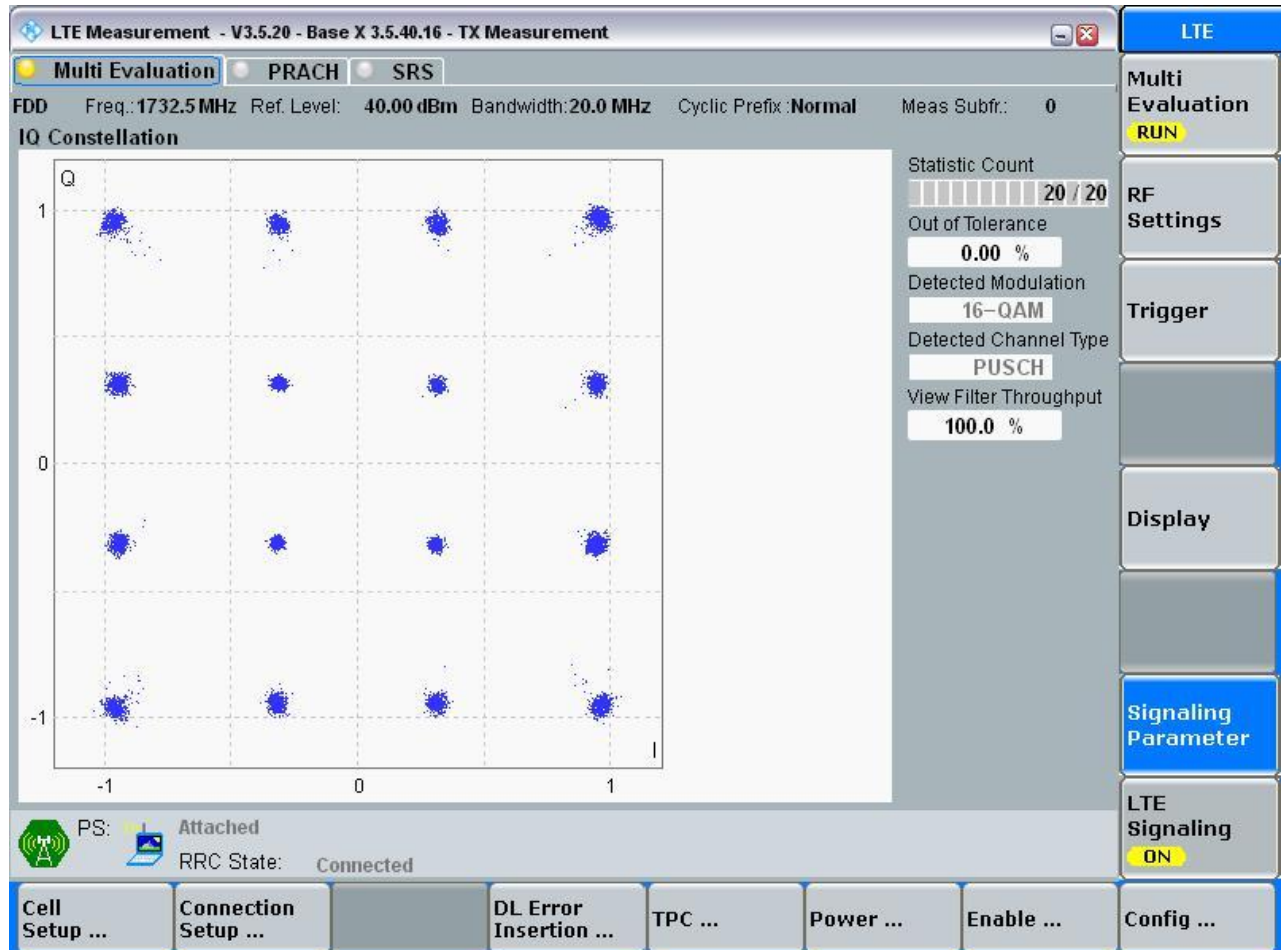
3.1.1.11.1 Test Channel = MCH





3.1.1.12 Test Mode = LTE /TM2 20MHz

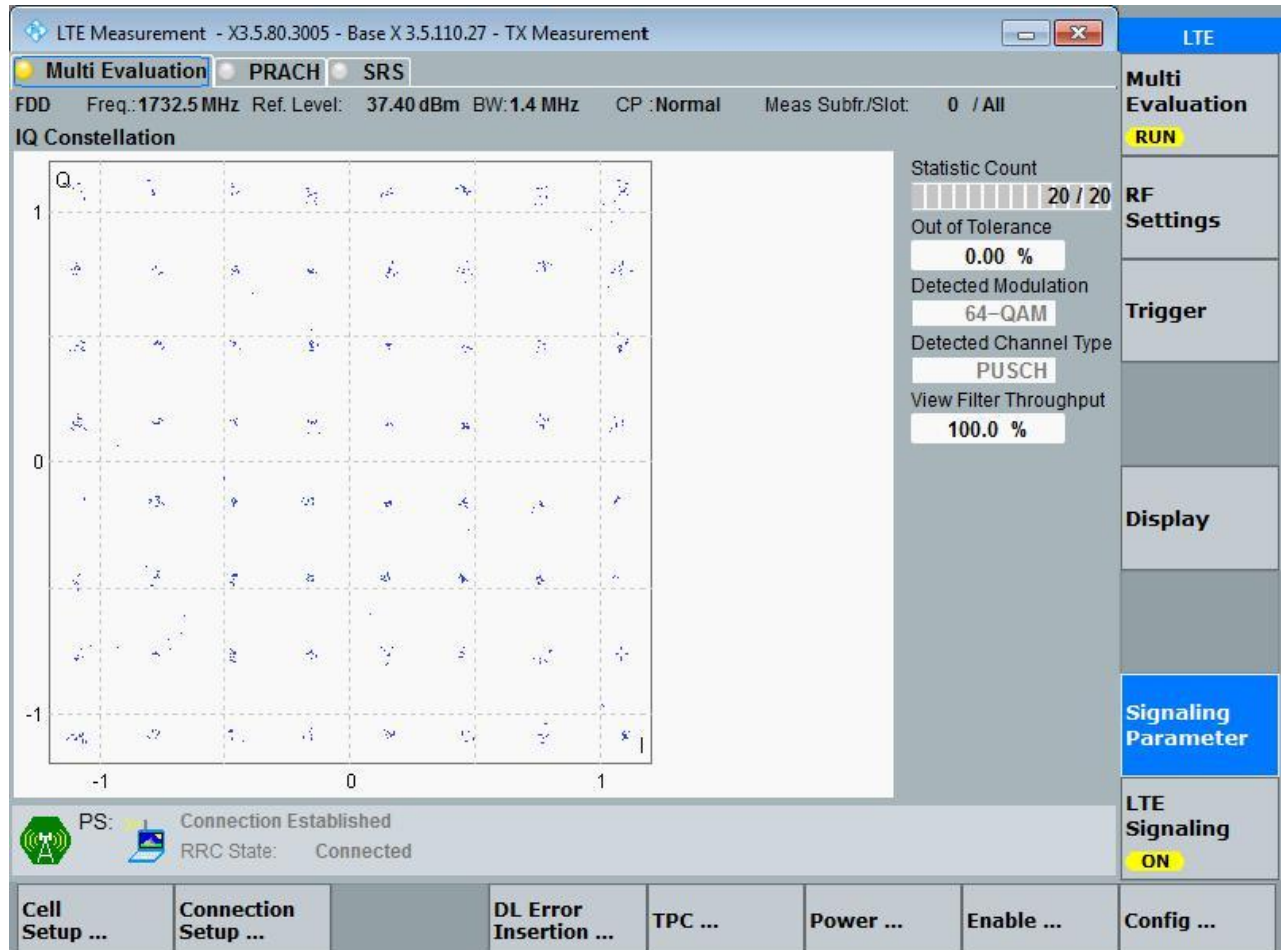
3.1.1.12.1 Test Channel = MCH





3.1.1.13 Test Mode = LTE /TM3 1.4MHz

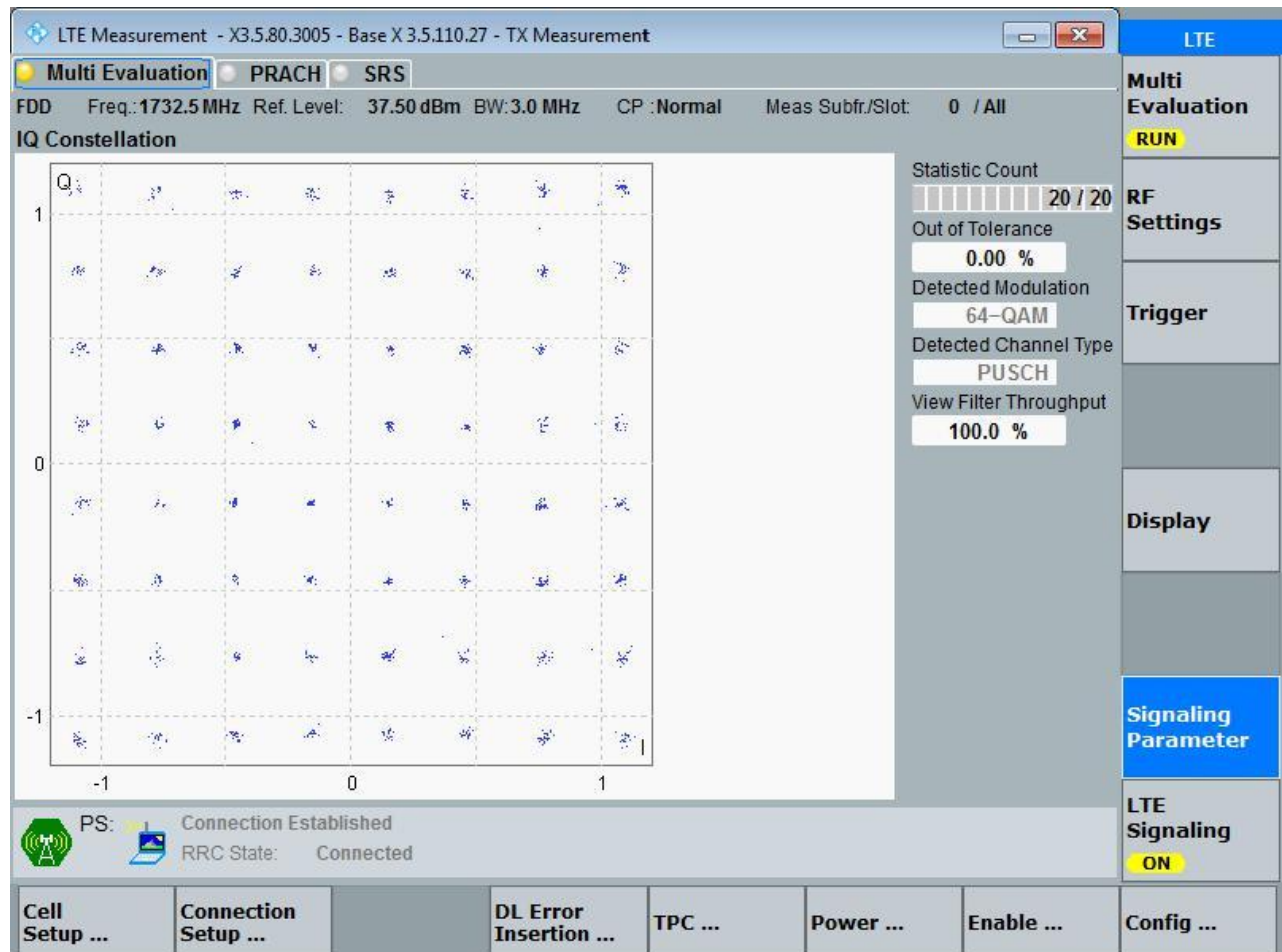
3.1.1.13.1 Test Channel = MCH





3.1.1.14 Test Mode = LTE /TM3 3MHz

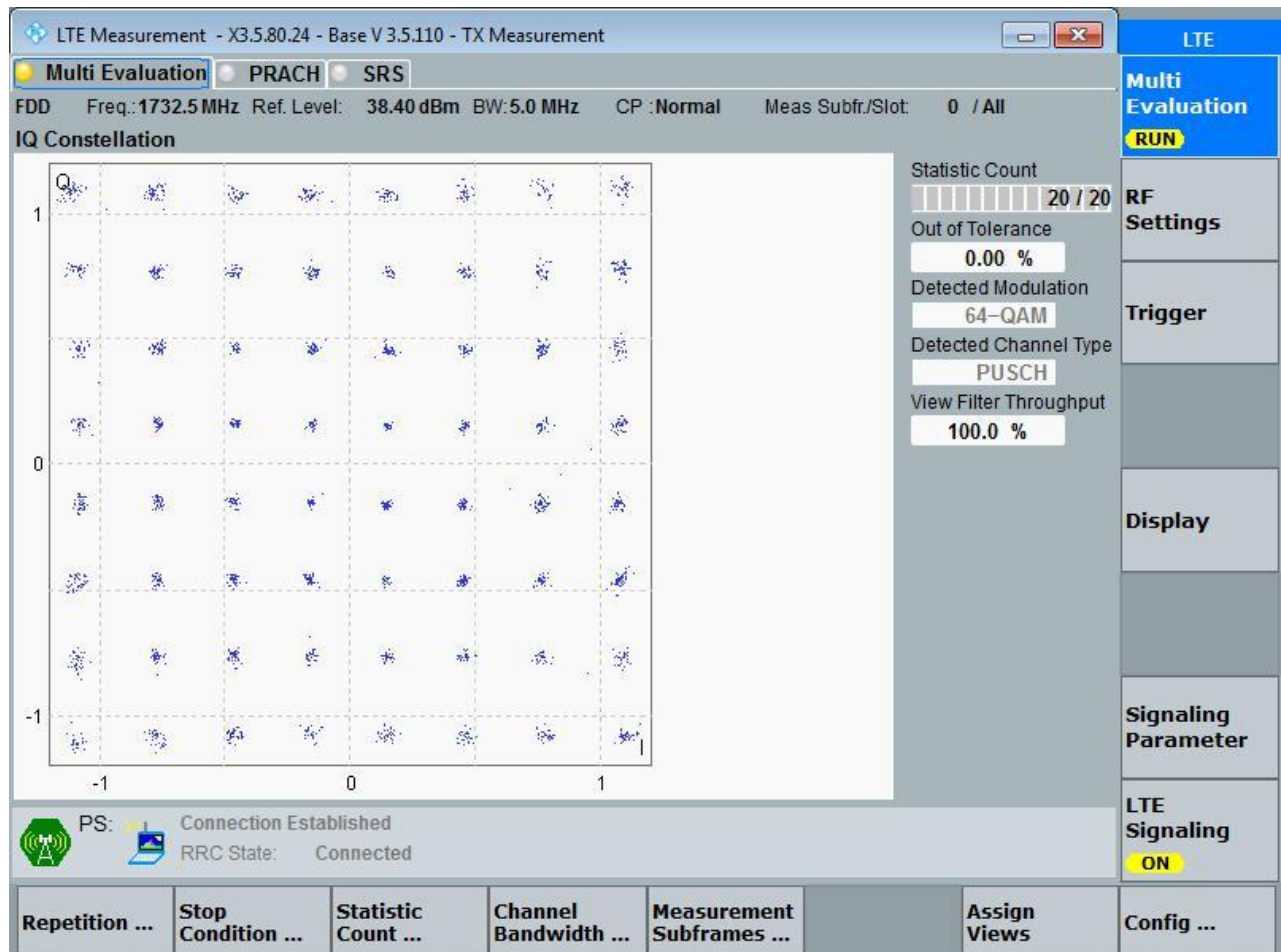
3.1.1.14.1 Test Channel = MCH





3.1.1.15 Test Mode = LTE /TM3 5MHz

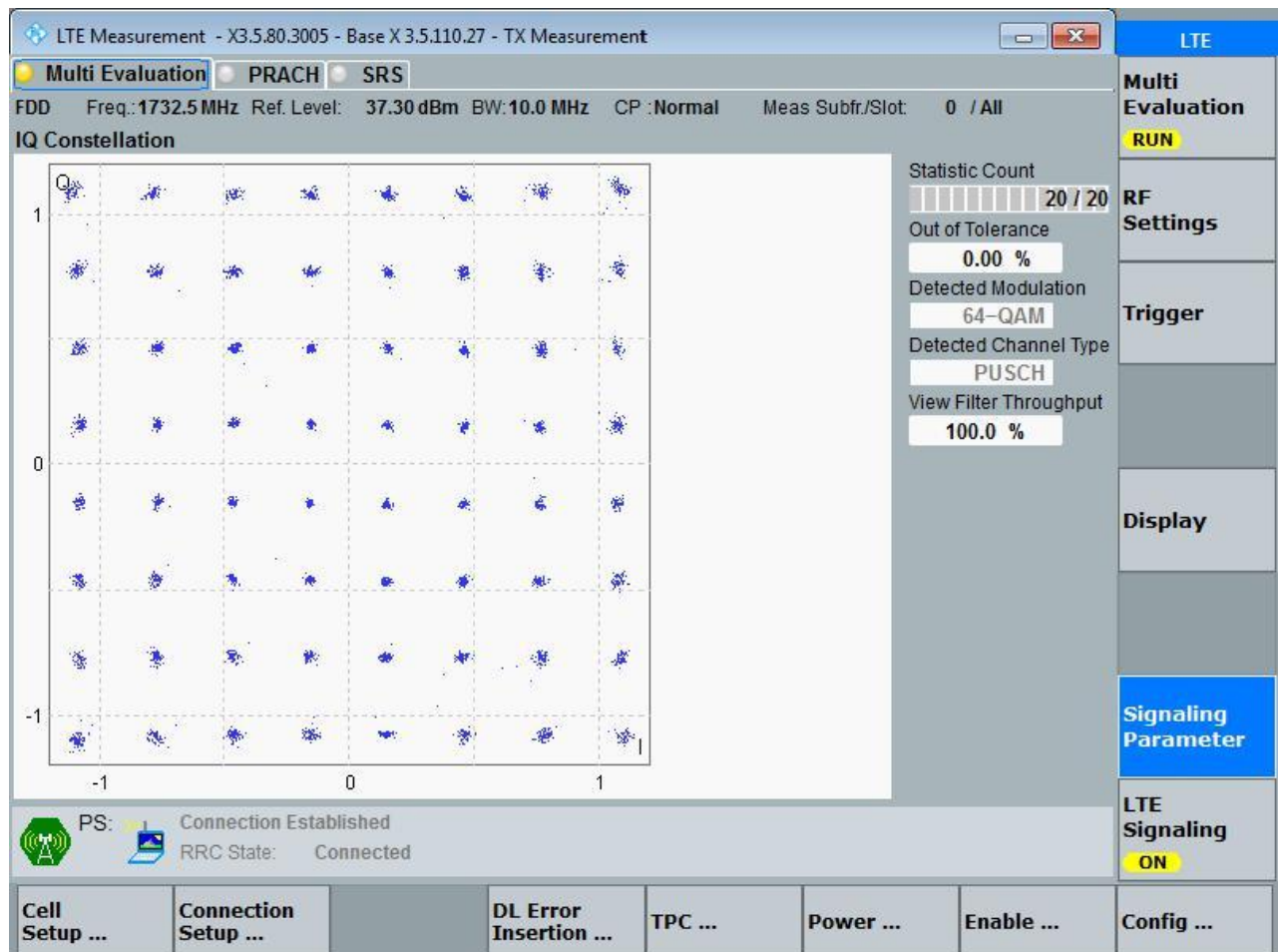
3.1.1.15.1 Test Channel = MCH





3.1.1.16 Test Mode = LTE /TM3 10MHz

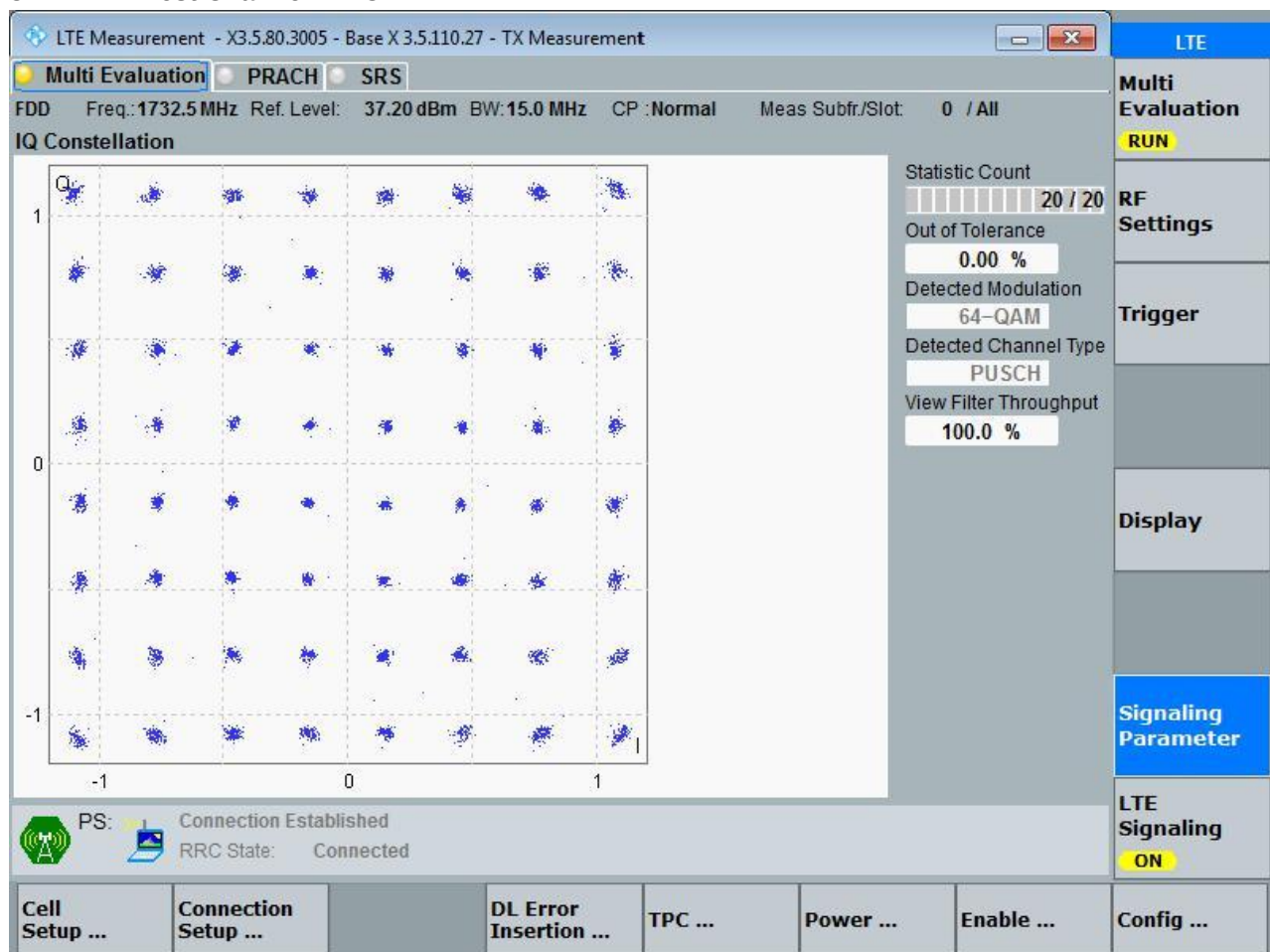
3.1.1.16.1 Test Channel = MCH





3.1.1.17 Test Mode = LTE /TM3 15MHz

3.1.1.17.1 Test Channel = MCH

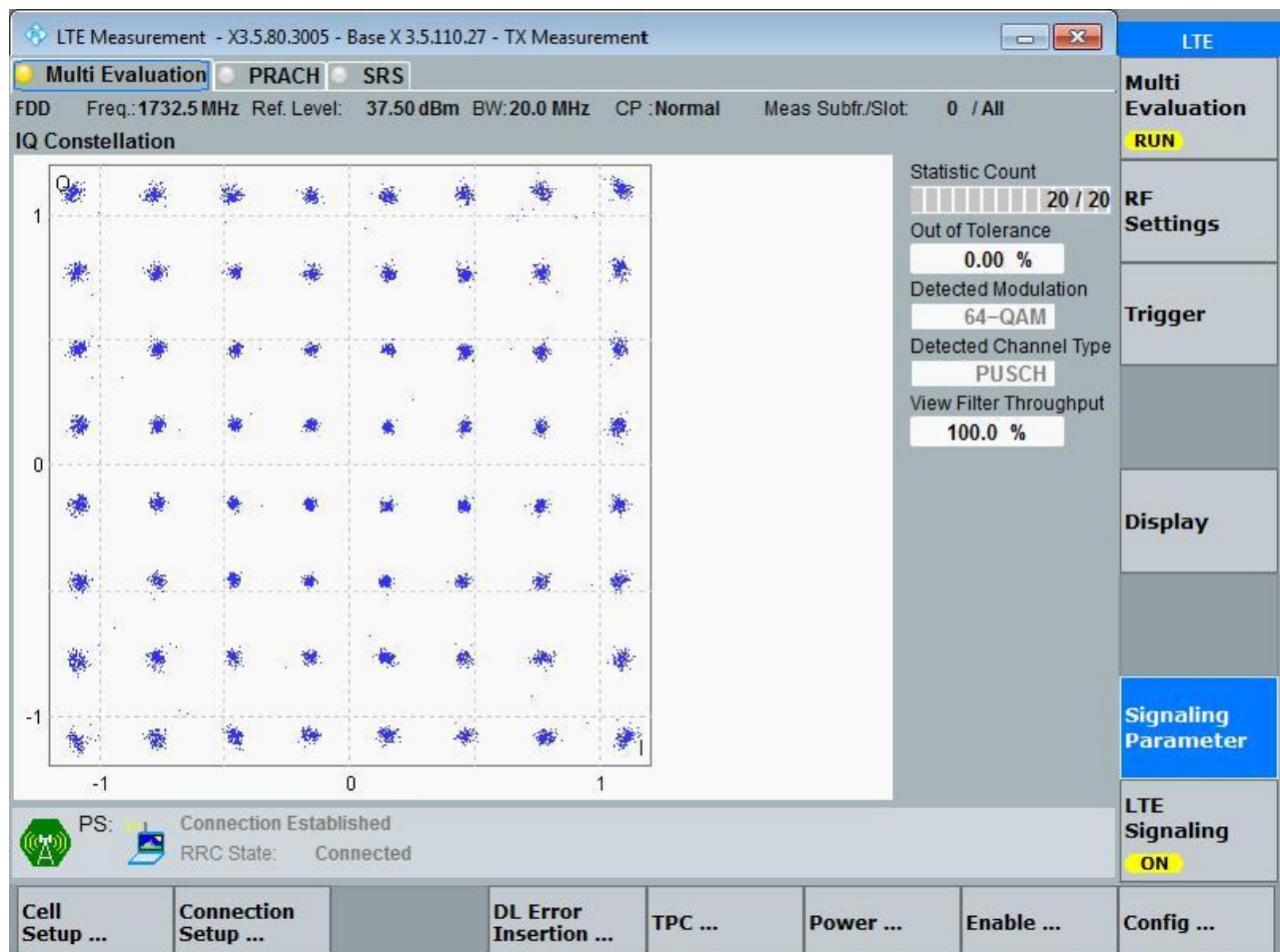


3.1.1.18 Test Mode = LTE /TM3 20MHz

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3.1.1.18.1 Test Channel = MCH





4 Bandwidth

Part I - Test Results

Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
Band 4	TM1/1.4MHz	LCH	1.08	1.23	PASS
		MCH	1.09	1.22	PASS
		HCH	1.08	1.24	PASS
	TM2/1.4MHz	LCH	1.08	1.23	PASS
		MCH	1.09	1.24	PASS
		HCH	1.08	1.22	PASS
	TM3/1.4MHz	LCH	1.08	1.22	PASS
		MCH	1.08	1.22	PASS
		HCH	1.08	1.22	PASS
	TM1/ 3MHz	LCH	2.69	2.93	PASS
		MCH	2.69	2.94	PASS
		HCH	2.68	2.96	PASS
	TM2/3MHz	LCH	2.68	2.96	PASS
		MCH	2.68	2.95	PASS
		HCH	2.68	2.94	PASS
	TM3/3MHz	LCH	2.68	2.94	PASS
		MCH	2.68	2.92	PASS
		HCH	2.68	2.95	PASS
	TM1/ 5MHz	LCH	4.48	4.90	PASS
		MCH	4.48	4.90	PASS
		HCH	4.47	4.89	PASS
	TM2/ 5MHz	LCH	4.47	4.85	PASS
		MCH	4.48	4.91	PASS
		HCH	4.47	4.91	PASS
	TM3/5MHz	LCH	4.47	4.87	PASS
		MCH	4.48	4.83	PASS
		HCH	4.48	4.88	PASS
	TM1/10MHz	LCH	8.93	9.65	PASS
		MCH	8.95	9.70	PASS
		HCH	8.94	9.75	PASS
	TM2/ 10MHz	LCH	8.93	9.61	PASS
		MCH	8.93	9.66	PASS
		HCH	8.94	9.69	PASS

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Shenzhen Branch

Report No.: SZEM161000852202

Page: 51 of 238

Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
	TM3/ 10MHz	LCH	8.95	9.71	PASS
		MCH	8.95	9.69	PASS
		HCH	8.96	9.71	PASS
	TM1/ 15MHz	LCH	13.40	14.61	PASS
		MCH	13.44	14.65	PASS
		HCH	13.43	14.68	PASS
	TM2/ 15MHz	LCH	13.42	14.52	PASS
		MCH	13.41	14.52	PASS
		HCH	13.45	14.56	PASS
	TM3/ 15MHz	LCH	13.42	14.57	PASS
		MCH	13.41	14.55	PASS
		HCH	13.42	14.62	PASS
	TM1/ 20MHz	LCH	17.88	19.32	PASS
		MCH	17.89	19.22	PASS
		HCH	17.96	19.64	PASS
	TM2/ 20MHz	LCH	17.93	19.27	PASS
		MCH	17.88	19.31	PASS
		HCH	17.92	19.36	PASS
	TM3/ 20MHz	LCH	17.99	19.49	PASS
		MCH	17.95	19.43	PASS
		HCH	18.00	19.41	PASS

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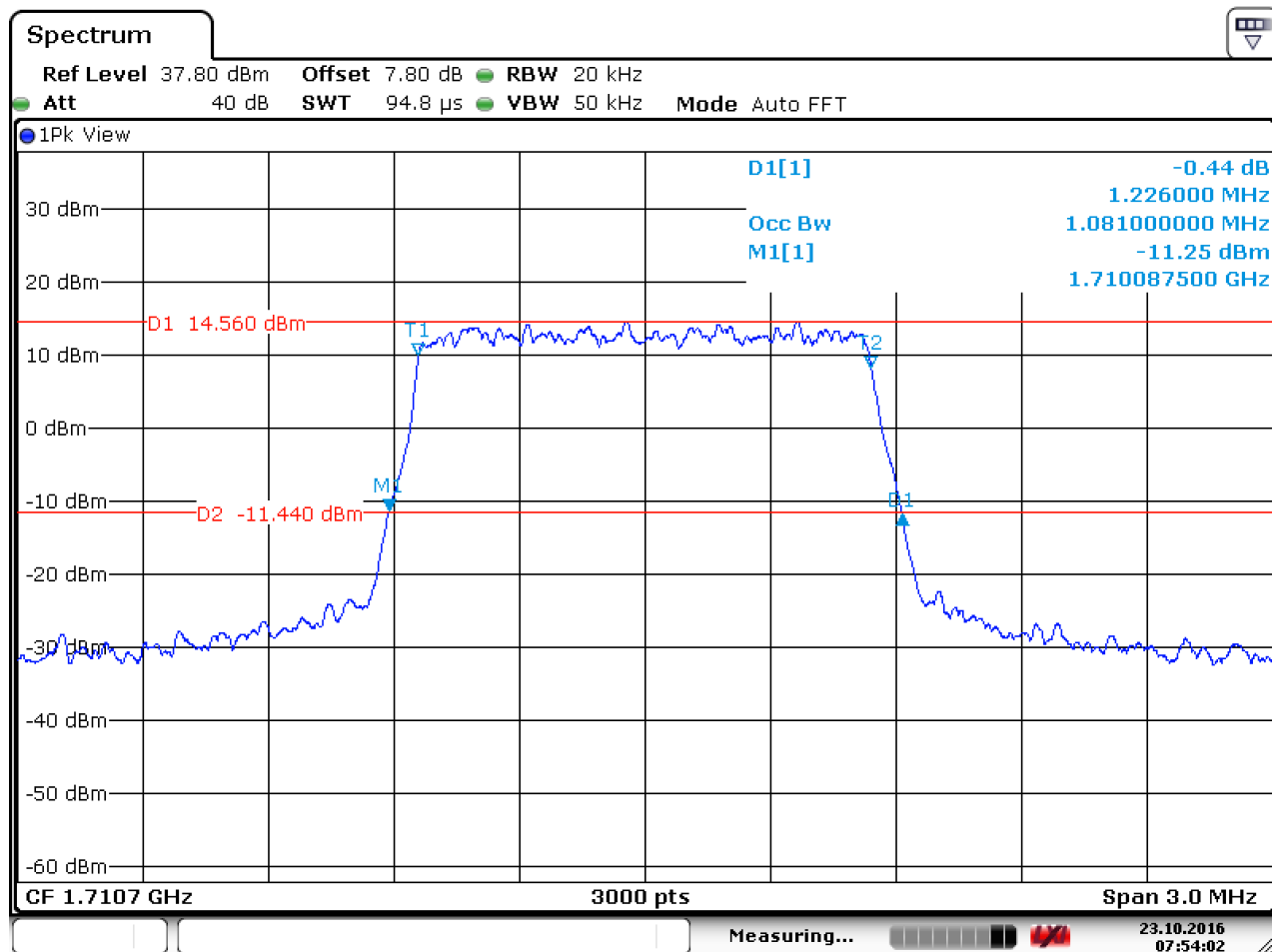


4.1 For LTE

4.1.1 Test Band = LTE band4

4.1.1.1 Test Mode = LTE/TM1 1.4MHz

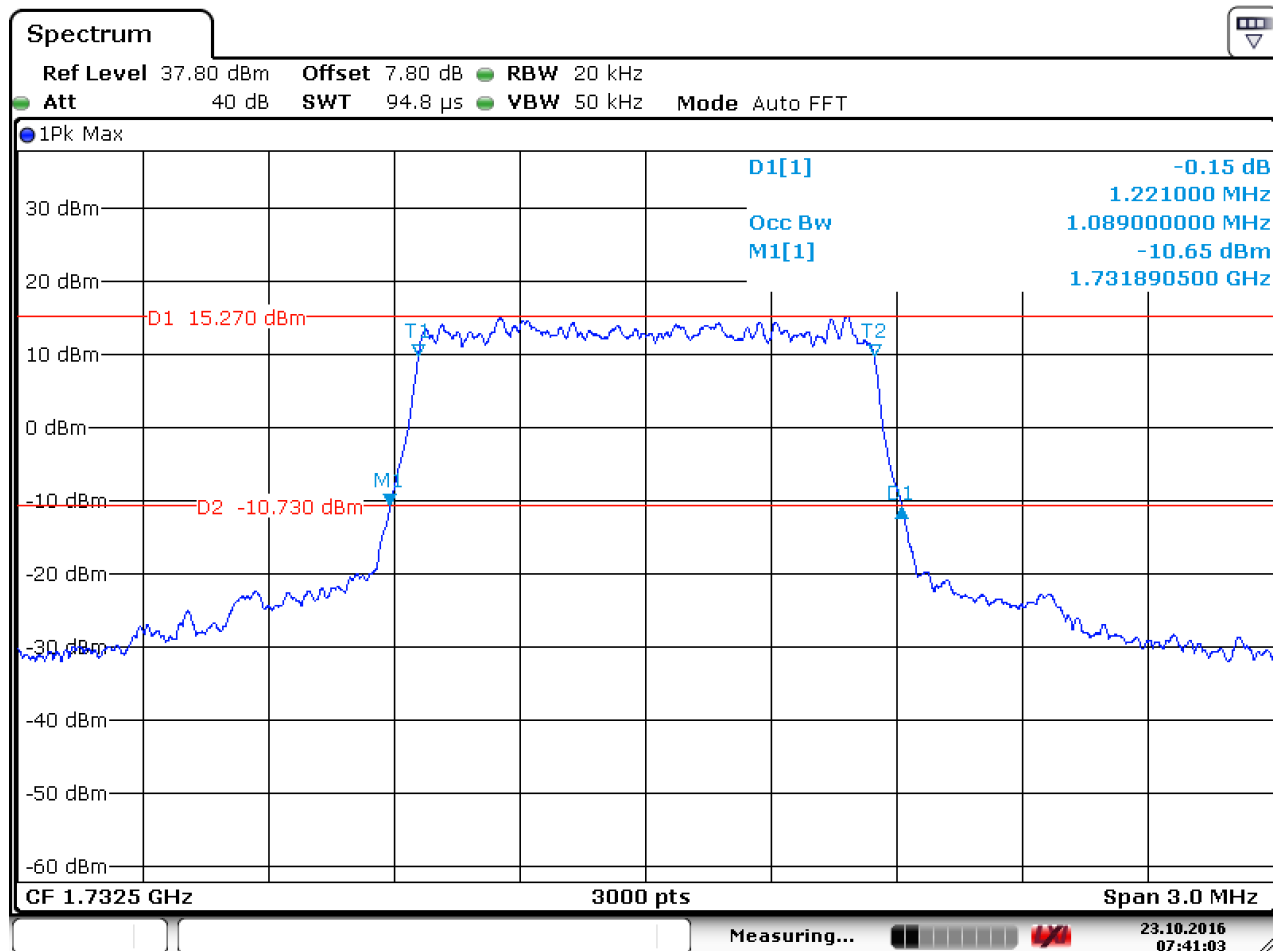
4.1.1.1.1 Test Channel = LCH



Date: 23.OCT.2016 07:54:02



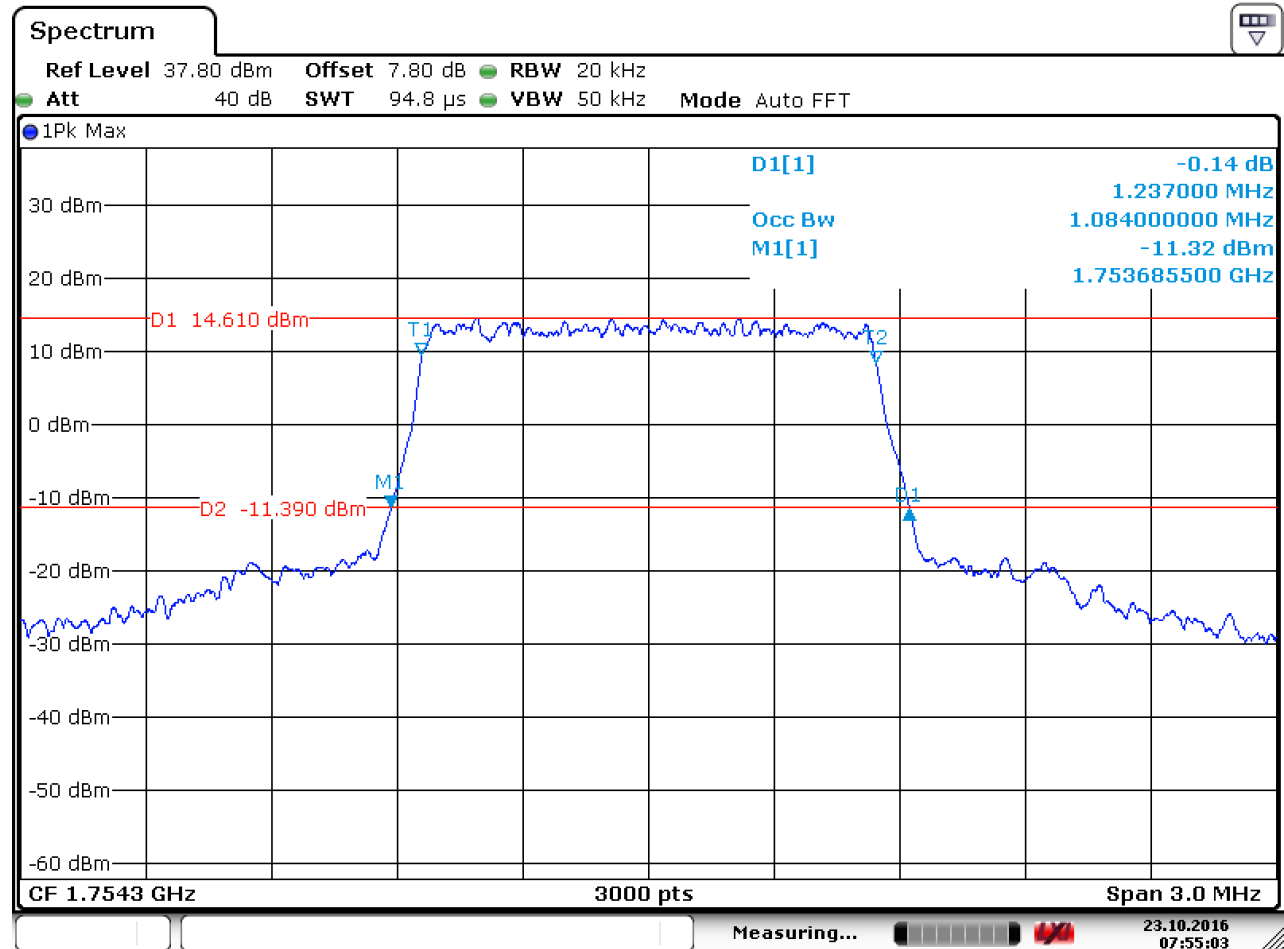
4.1.1.1.2 Test Channel = MCH



Date: 23.OCT.2016 07:41:03



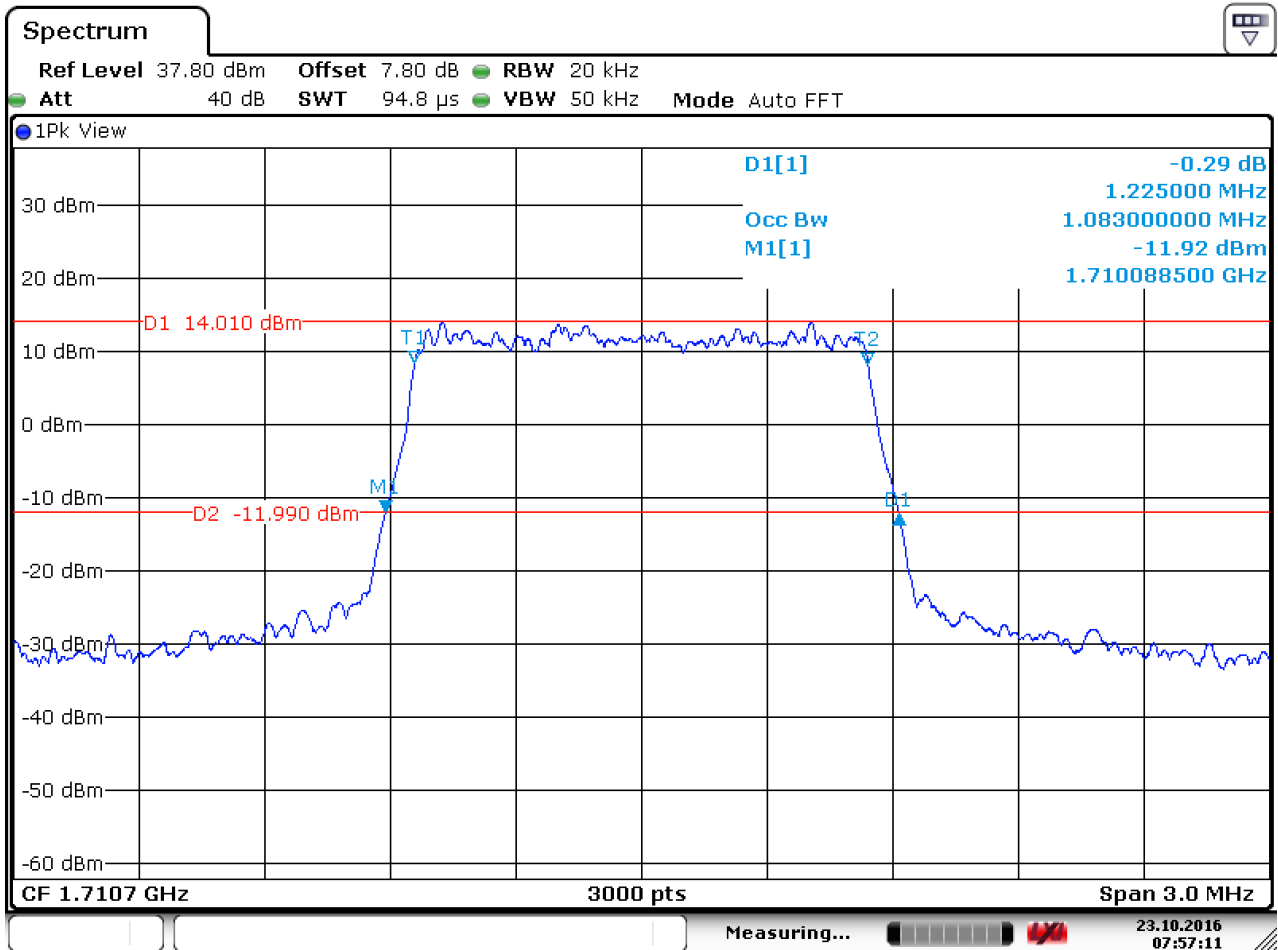
4.1.1.1.3 Test Channel = HCH



Date: 23.OCT.2016 07:55:04

4.1.1.2 Test Mode = LTE/TM2 1.4MHz

4.1.1.2.1 Test Channel = LCH

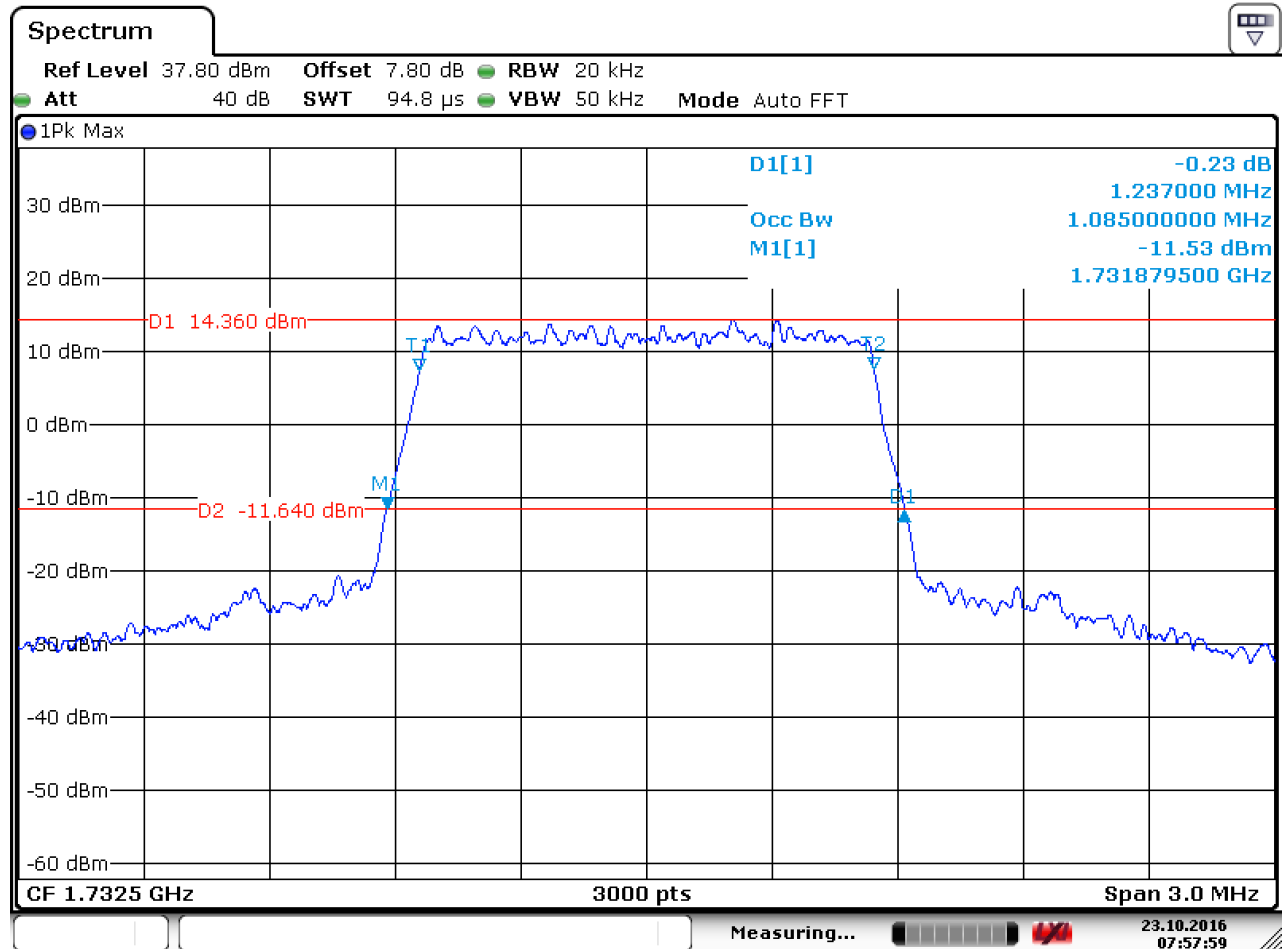


Date: 23.OCT.2016 07:57:11

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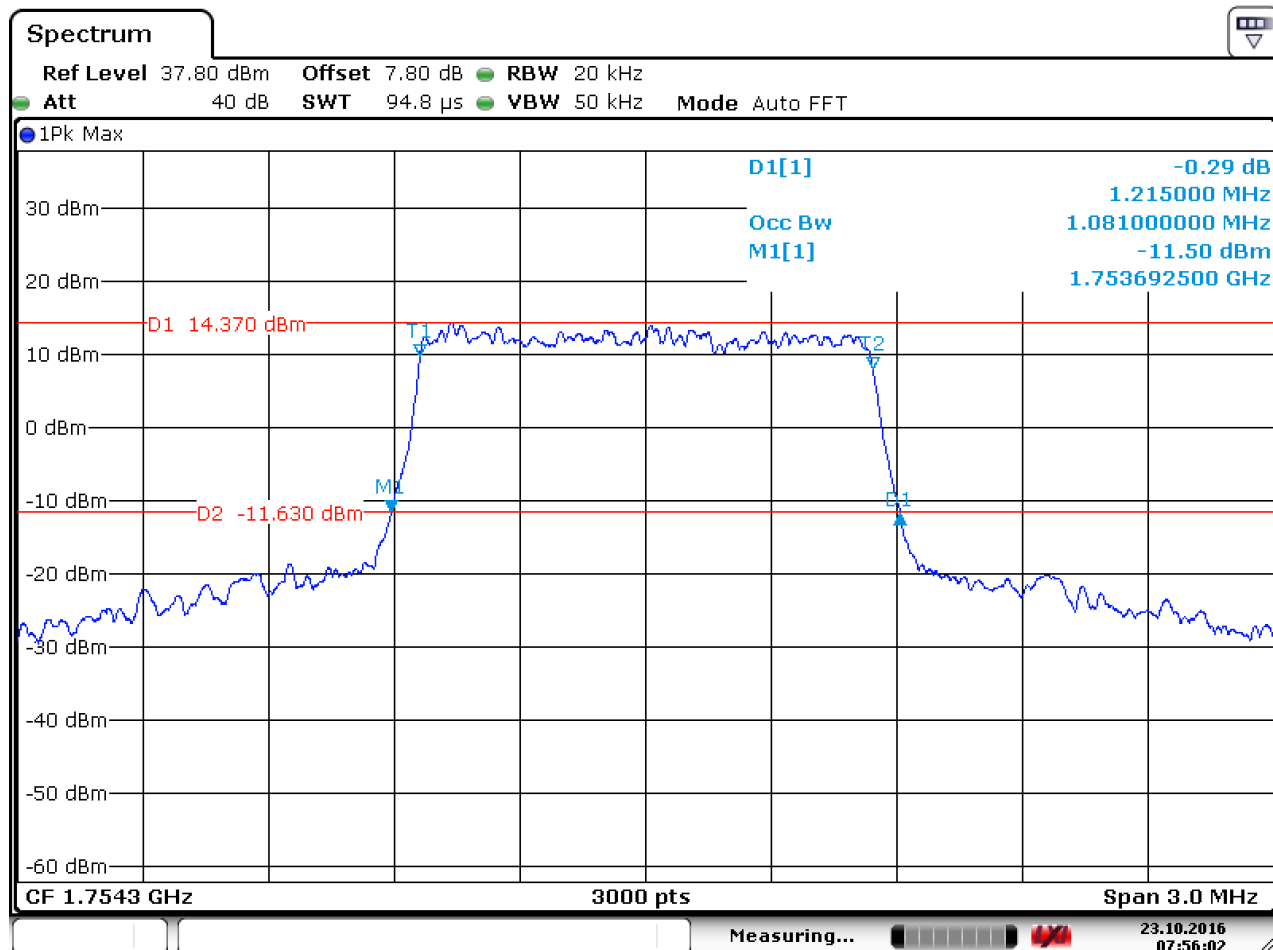
4.1.1.2.2 Test Channel = MCH



Date: 23.OCT.2016 07:57:59



4.1.1.2.3 Test Channel = HCH

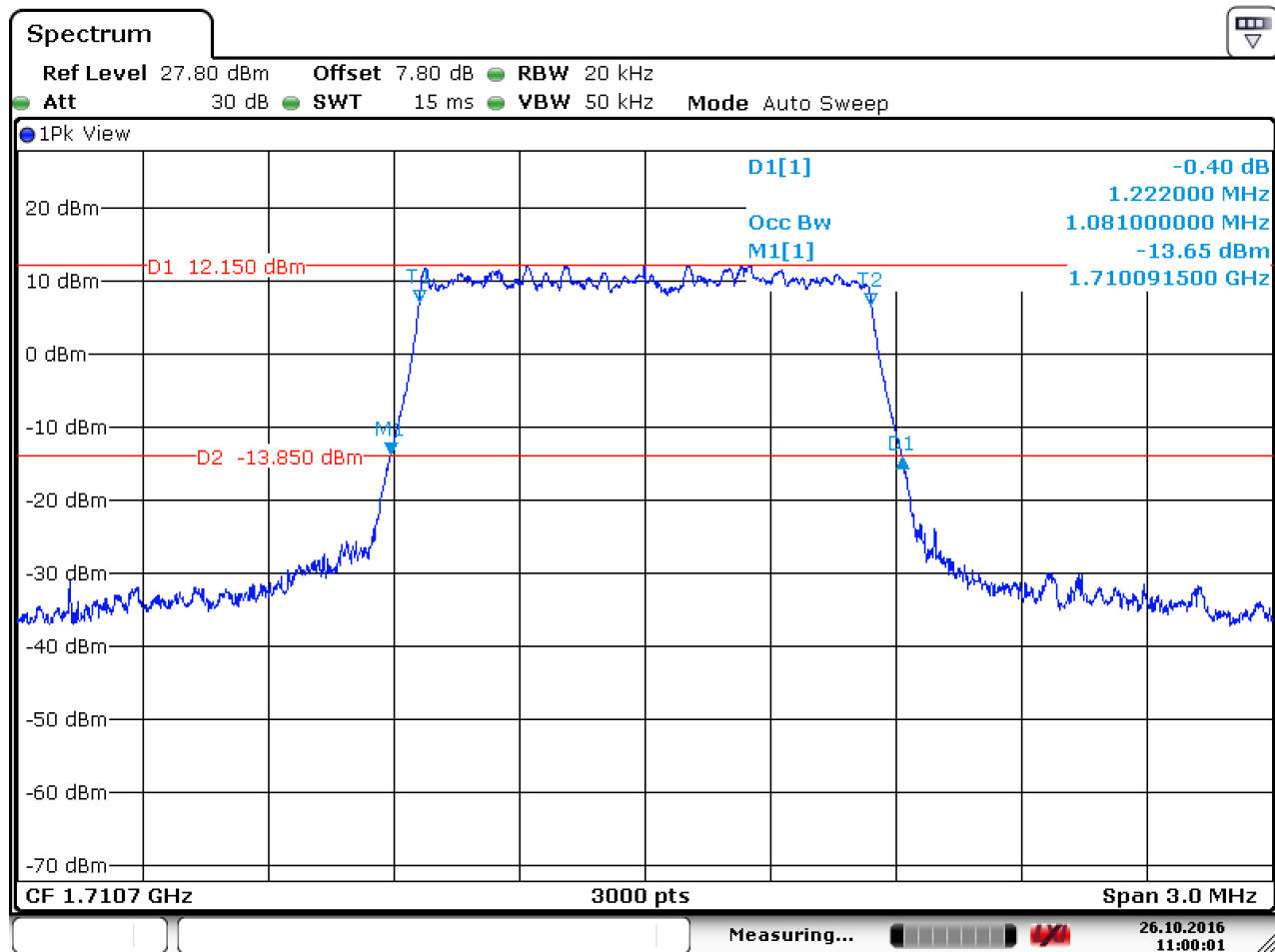


Date: 23.OCT.2016 07:56:02



4.1.1.3 Test Mode = LTE/TM3 1.4MHz

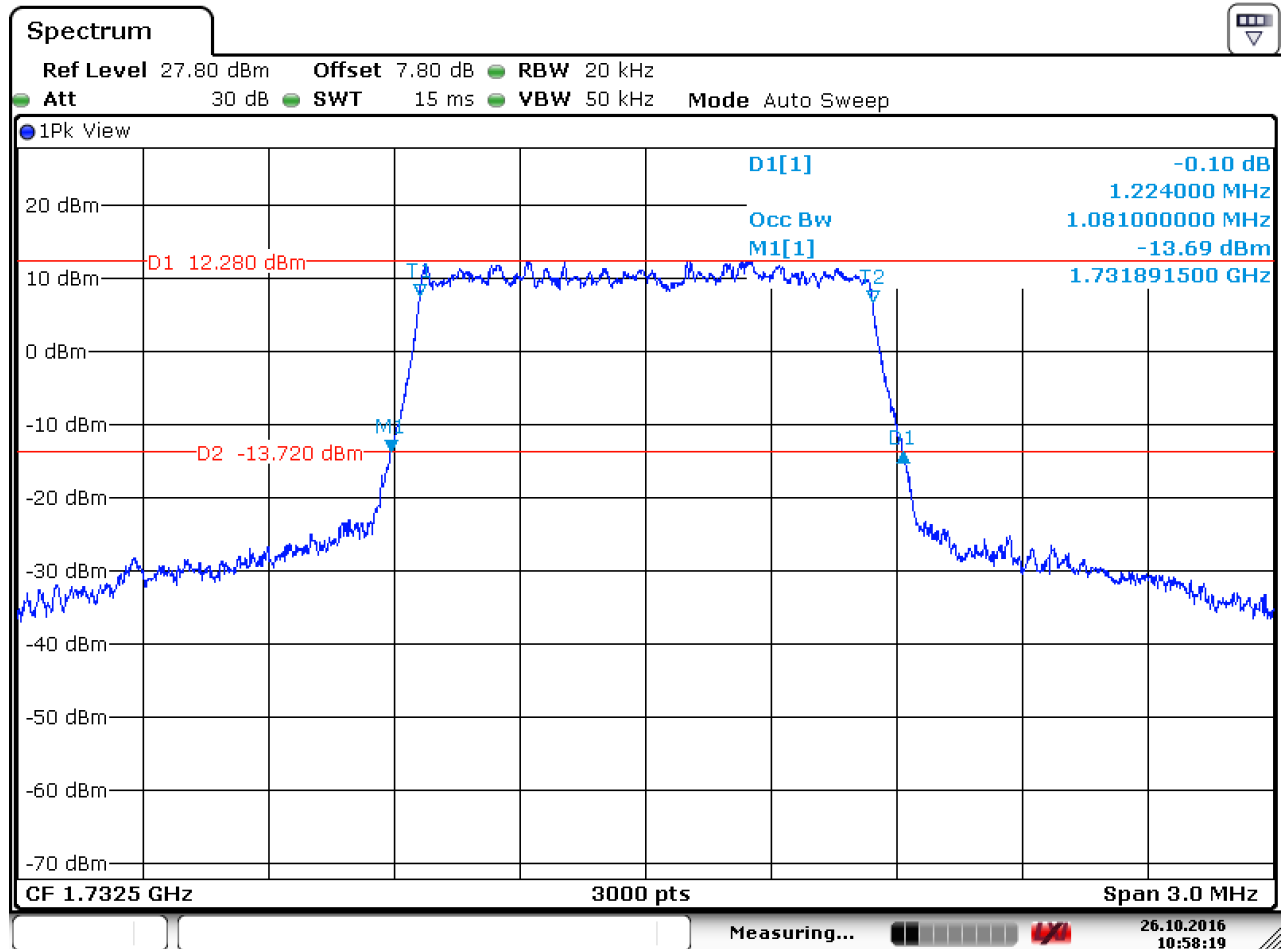
4.1.1.3.1 Test Channel = LCH



Date: 26.OCT.2016 11:00:01



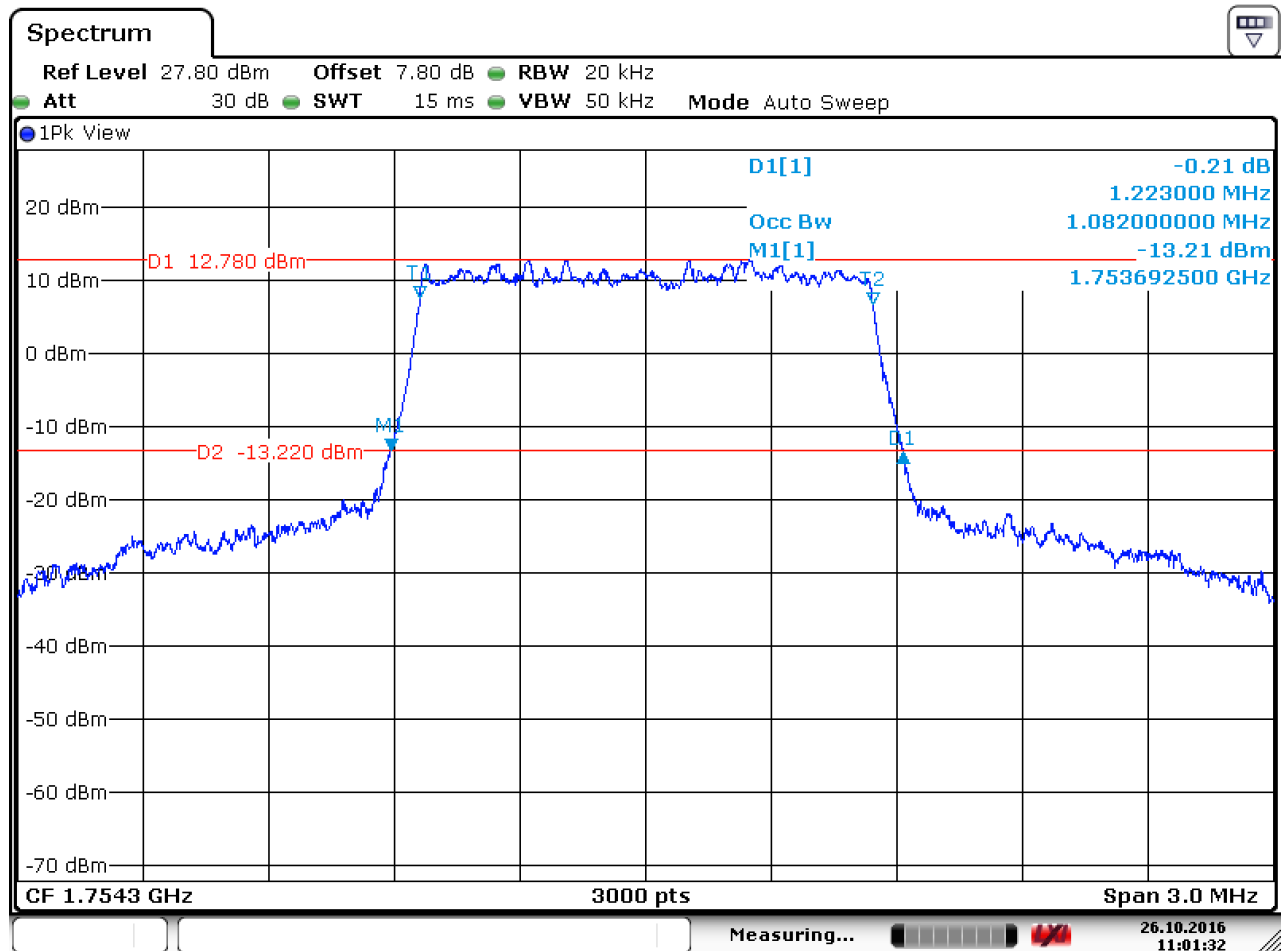
4.1.1.3.2 Test Channel = MCH



Date: 26.OCT.2016 10:58:20



4.1.1.3.3 Test Channel = HCH

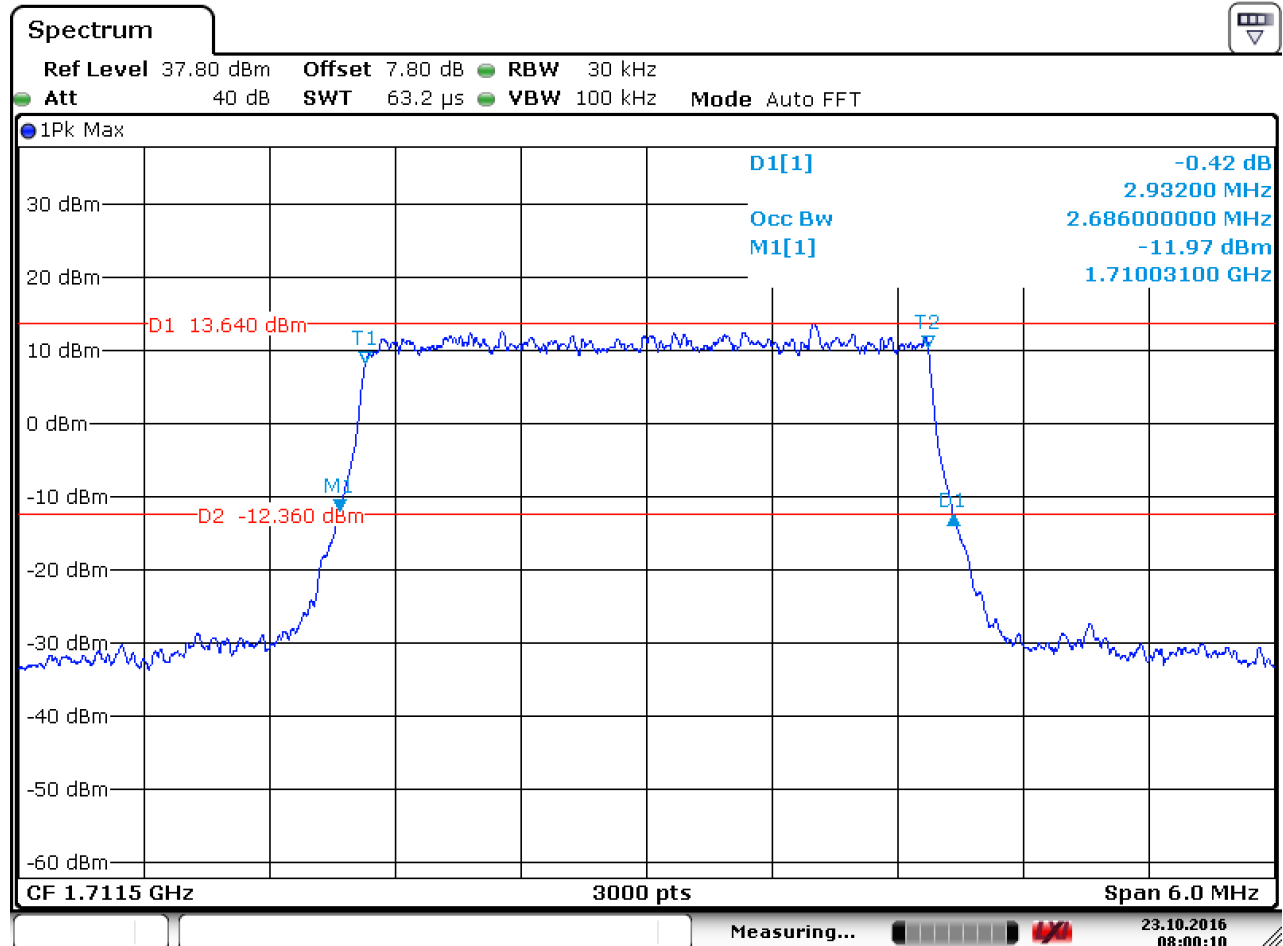


Date: 26.OCT.2016 11:01:33



4.1.1.4 Test Mode = LTE/TM1 3MHz

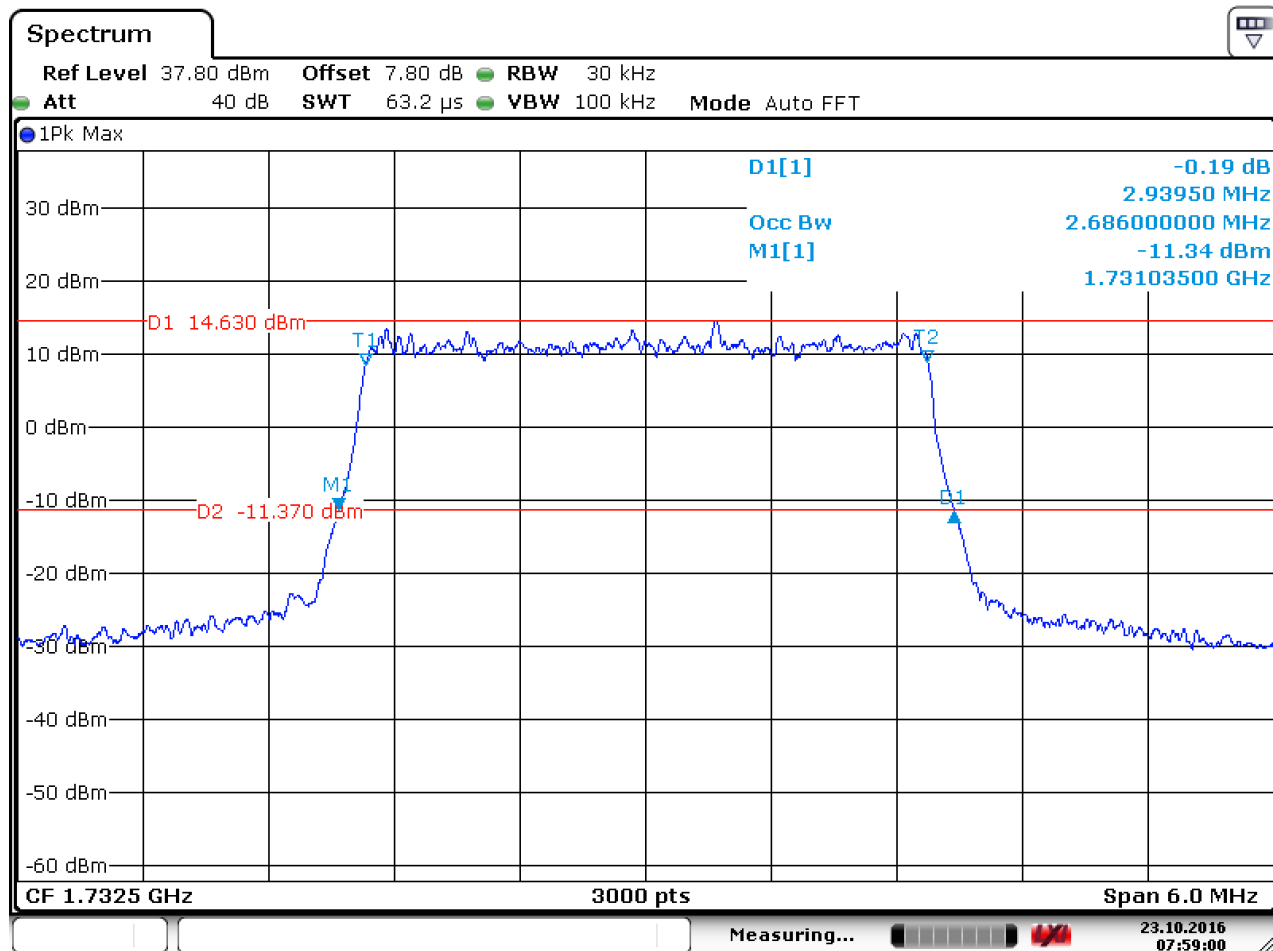
4.1.1.4.1 Test Channel = LCH



Date: 23.OCT.2016 08:00:11



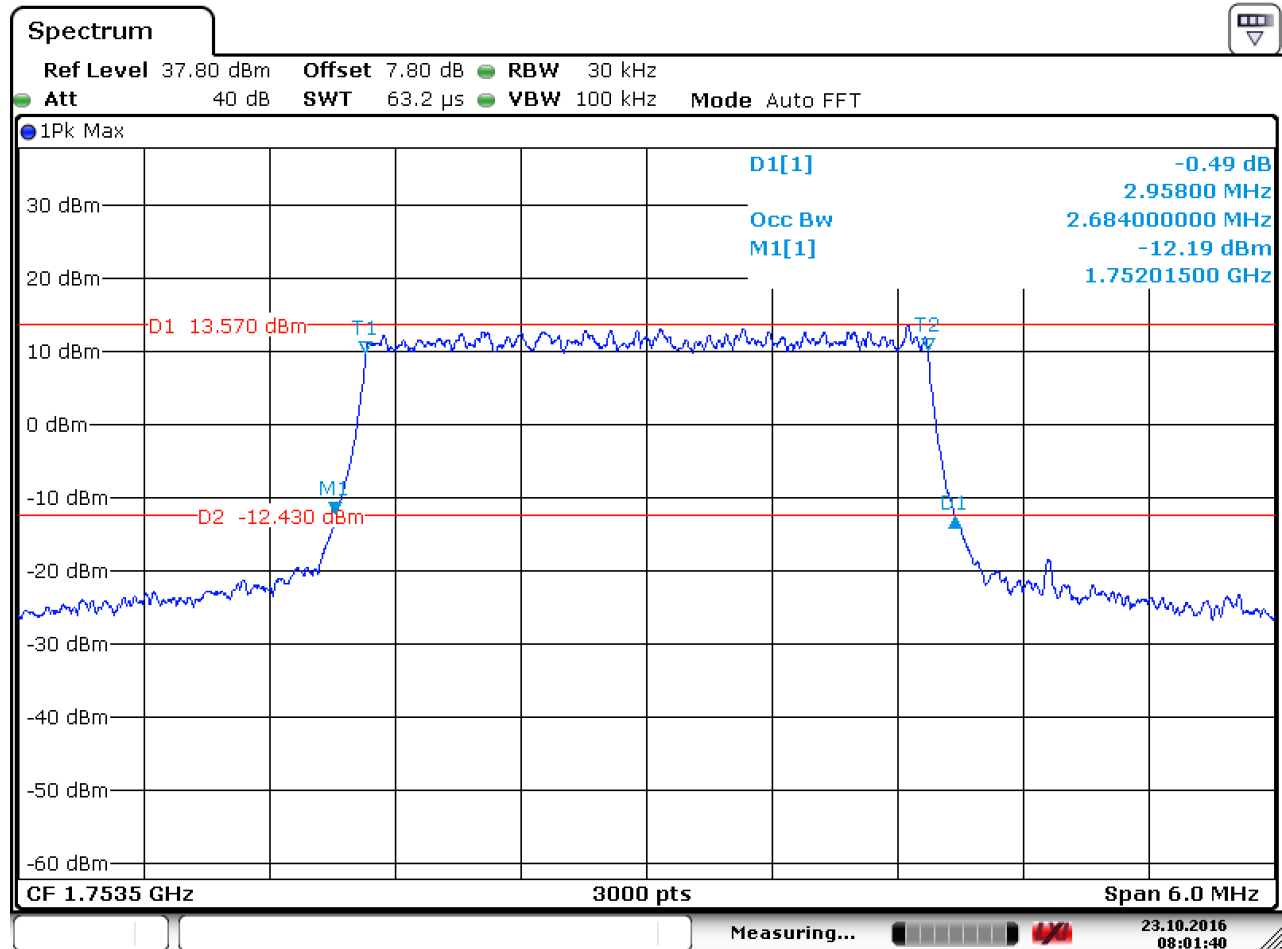
4.1.1.4.2 Test Channel = MCH



Date: 23.OCT.2016 07:59:01



4.1.1.4.3 Test Channel = HCH

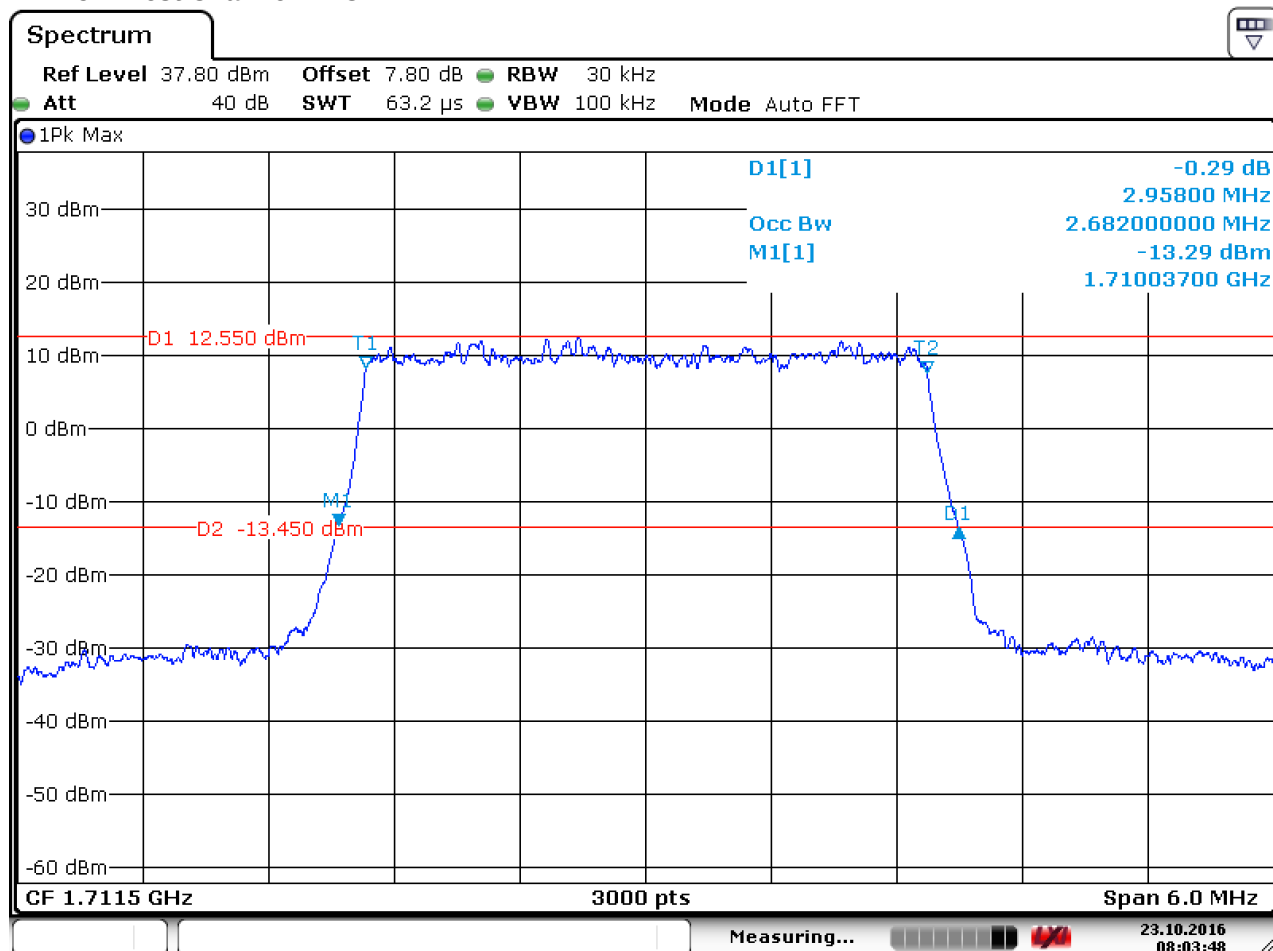


Date: 23.OCT.2016 08:01:41



4.1.1.5 Test Mode = LTE/TM2 3MHz

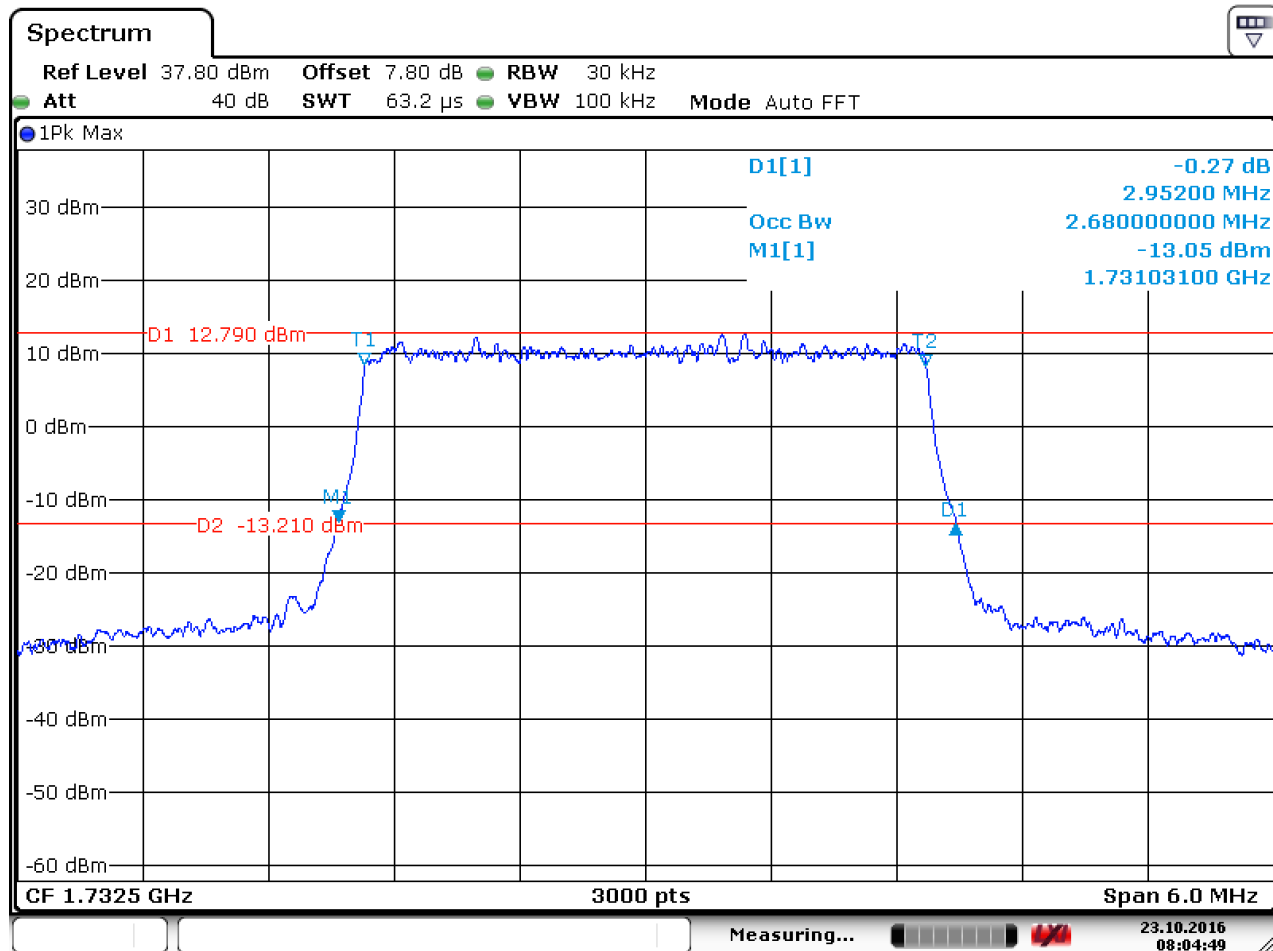
4.1.1.5.1 Test Channel = LCH



Date: 23.OCT.2016 08:03:49



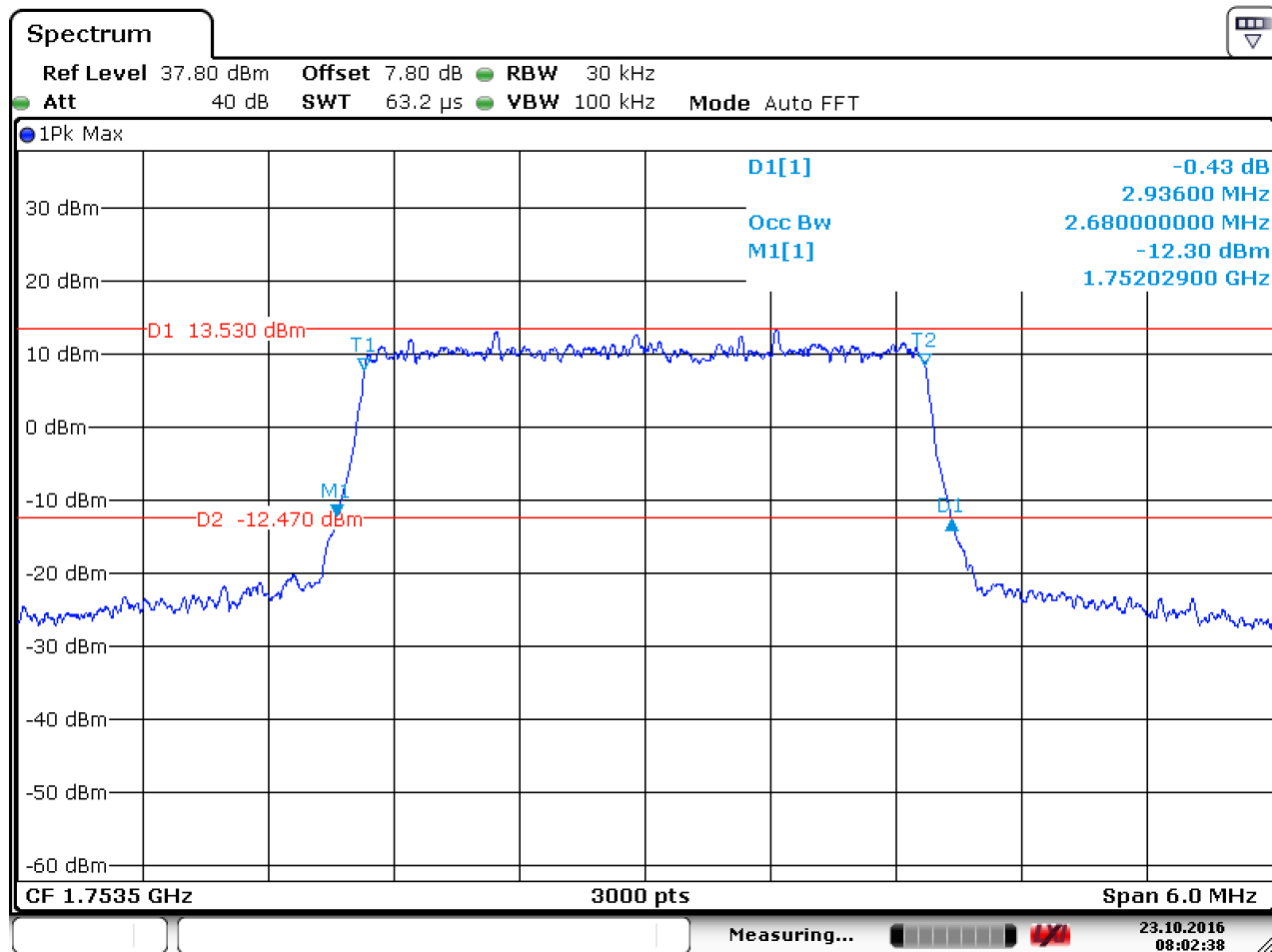
4.1.1.5.2 Test Channel = MCH



Date: 23.OCT.2016 08:04:49



4.1.1.5.3 Test Channel = HCH

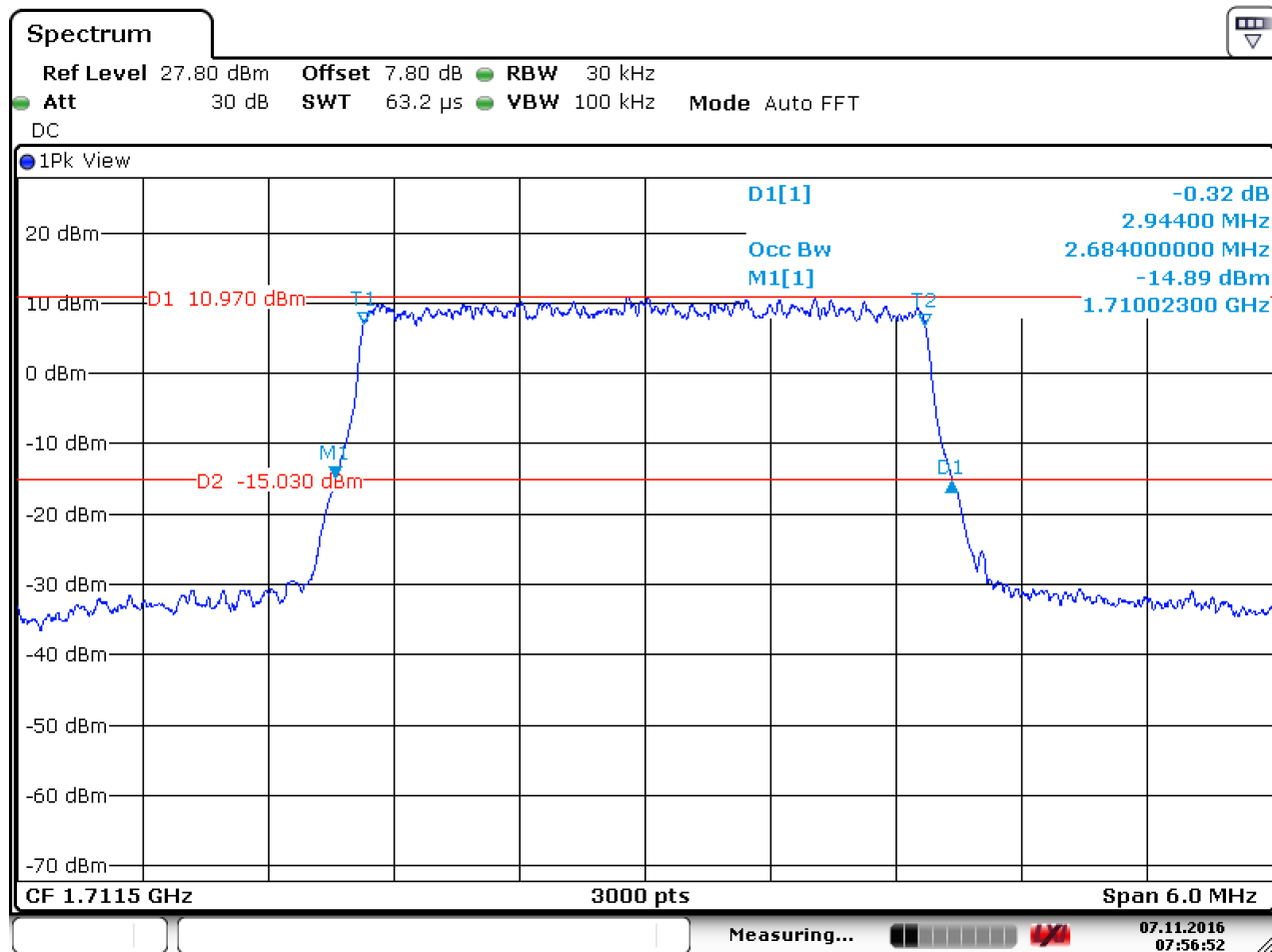


Date: 23.OCT.2016 08:02:39



4.1.1.6 Test Mode = LTE/TM3 3MHz

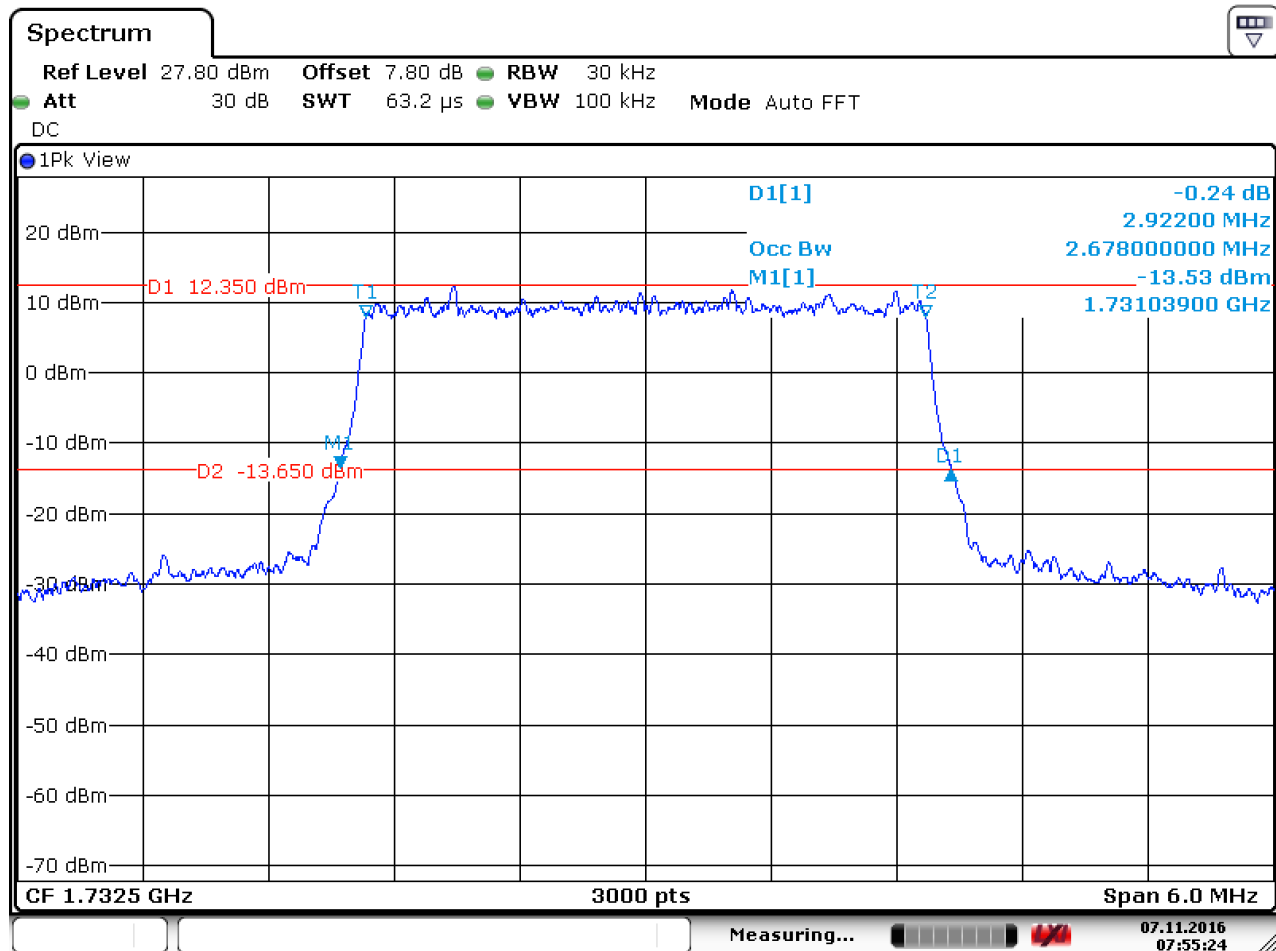
4.1.1.6.1 Test Channel = LCH



Date: 7.NOV.2016 07:56:52



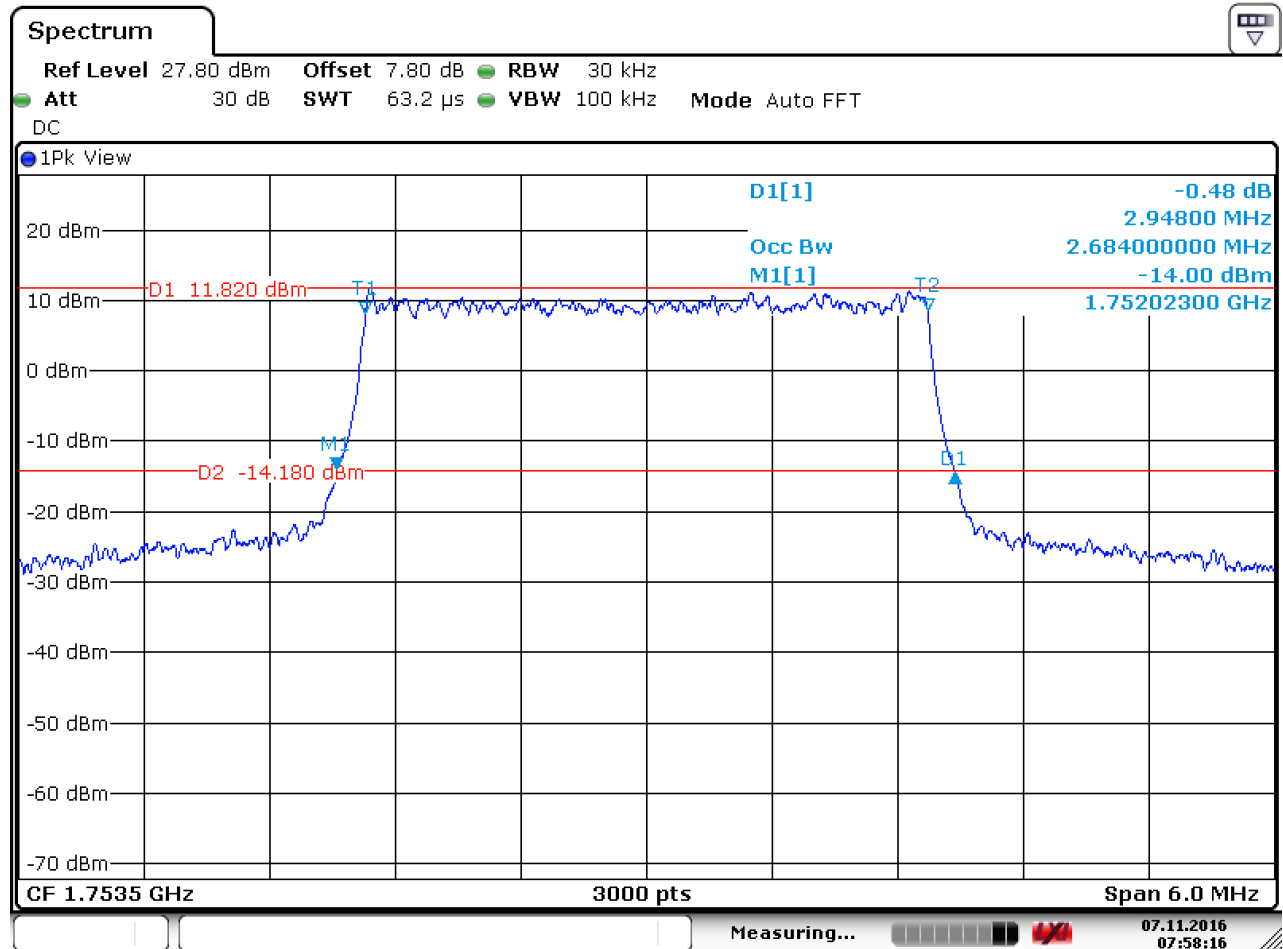
4.1.1.6.2 Test Channel =MCH



Date: 7.NOV.2016 07:55:24



4.1.1.6.3 Test Channel = HCH

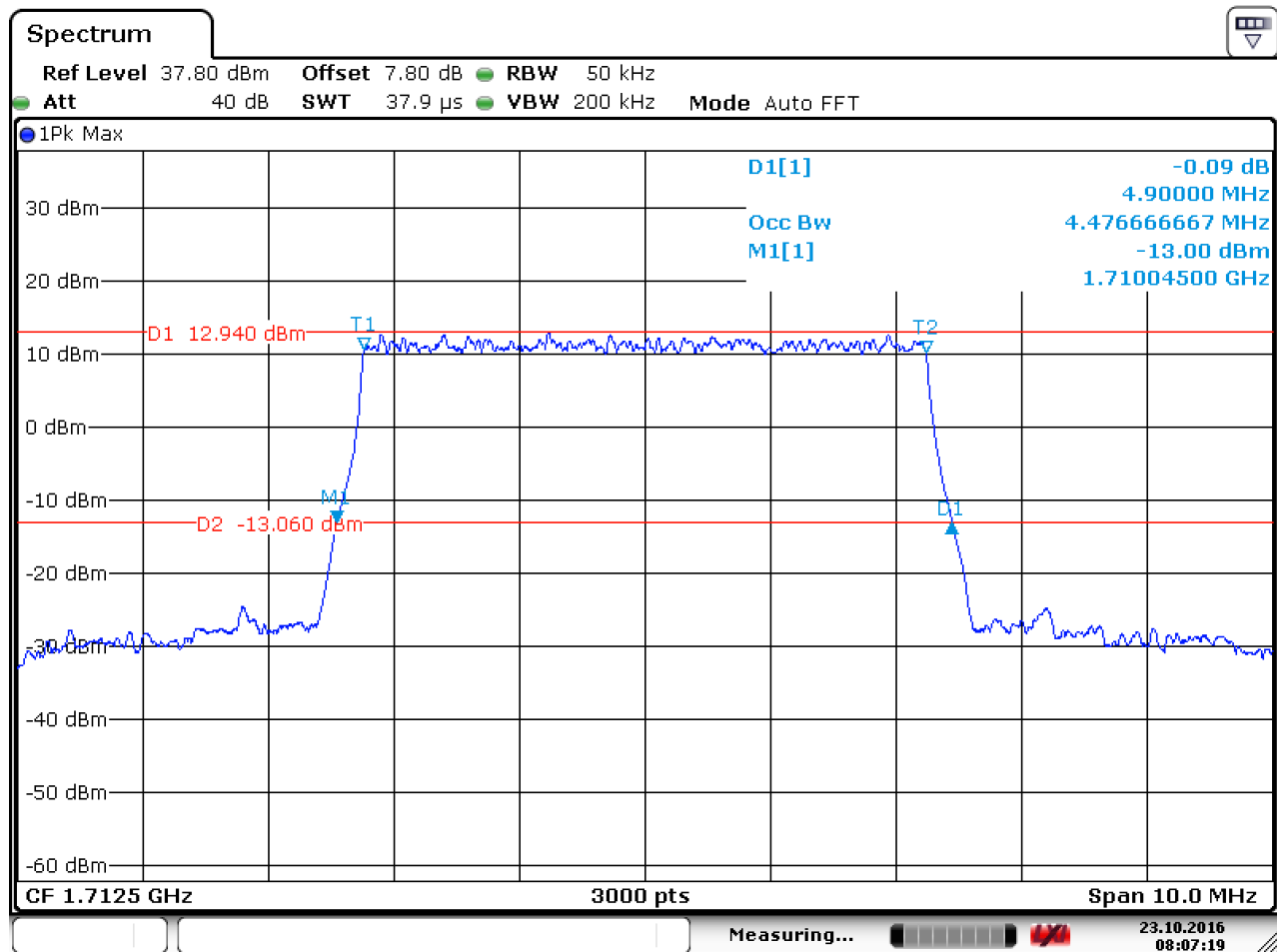


Date: 7.NOV.2016 07:58:17



4.1.1.7 Test Mode = LTE/TM1 5MHz

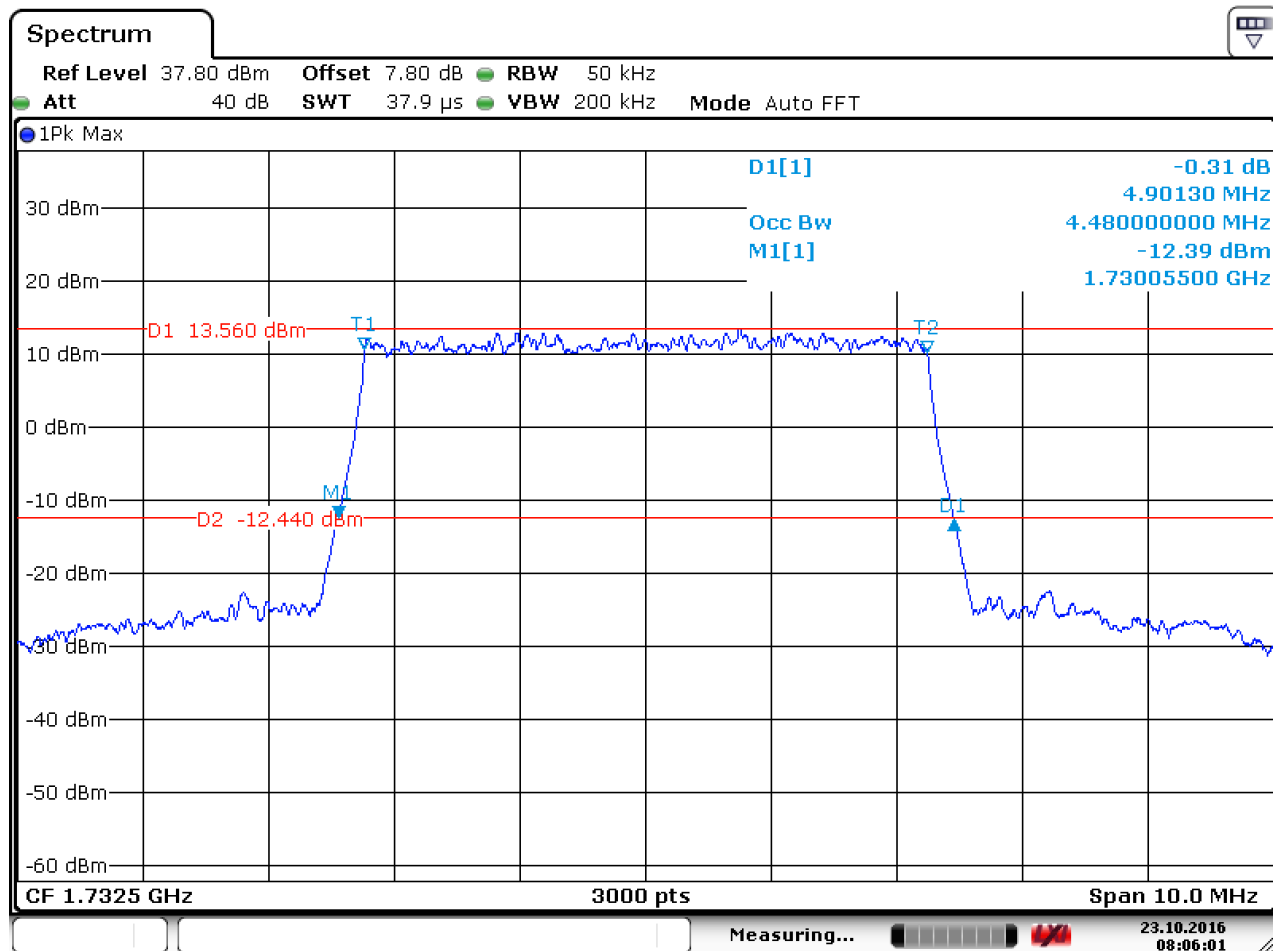
4.1.1.7.1 Test Channel = LCH



Date: 23.OCT.2016 08:07:19



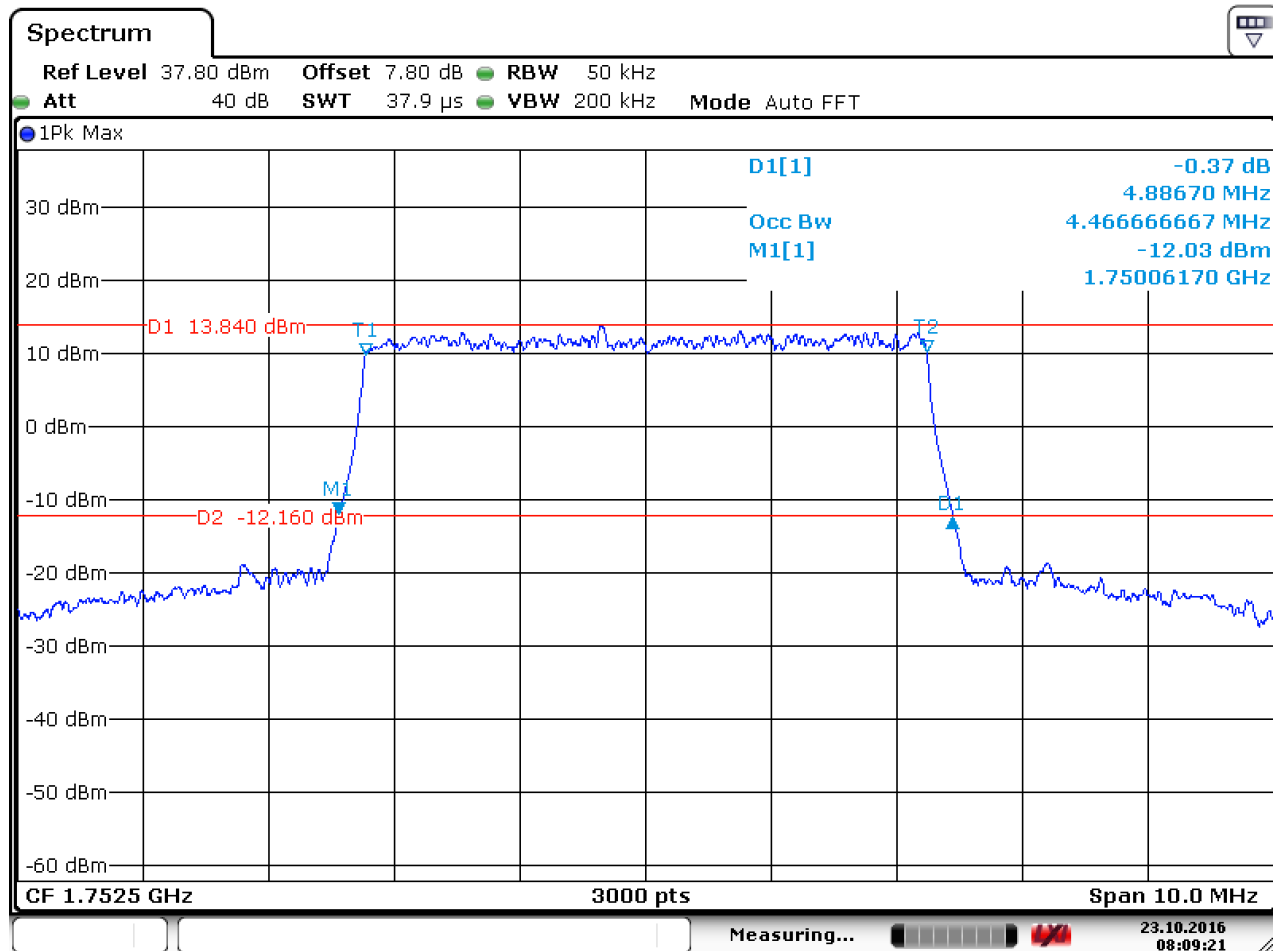
4.1.1.7.2 Test Channel = MCH



Date: 23.OCT.2016 08:06:01



4.1.1.7.3 Test Channel = HCH

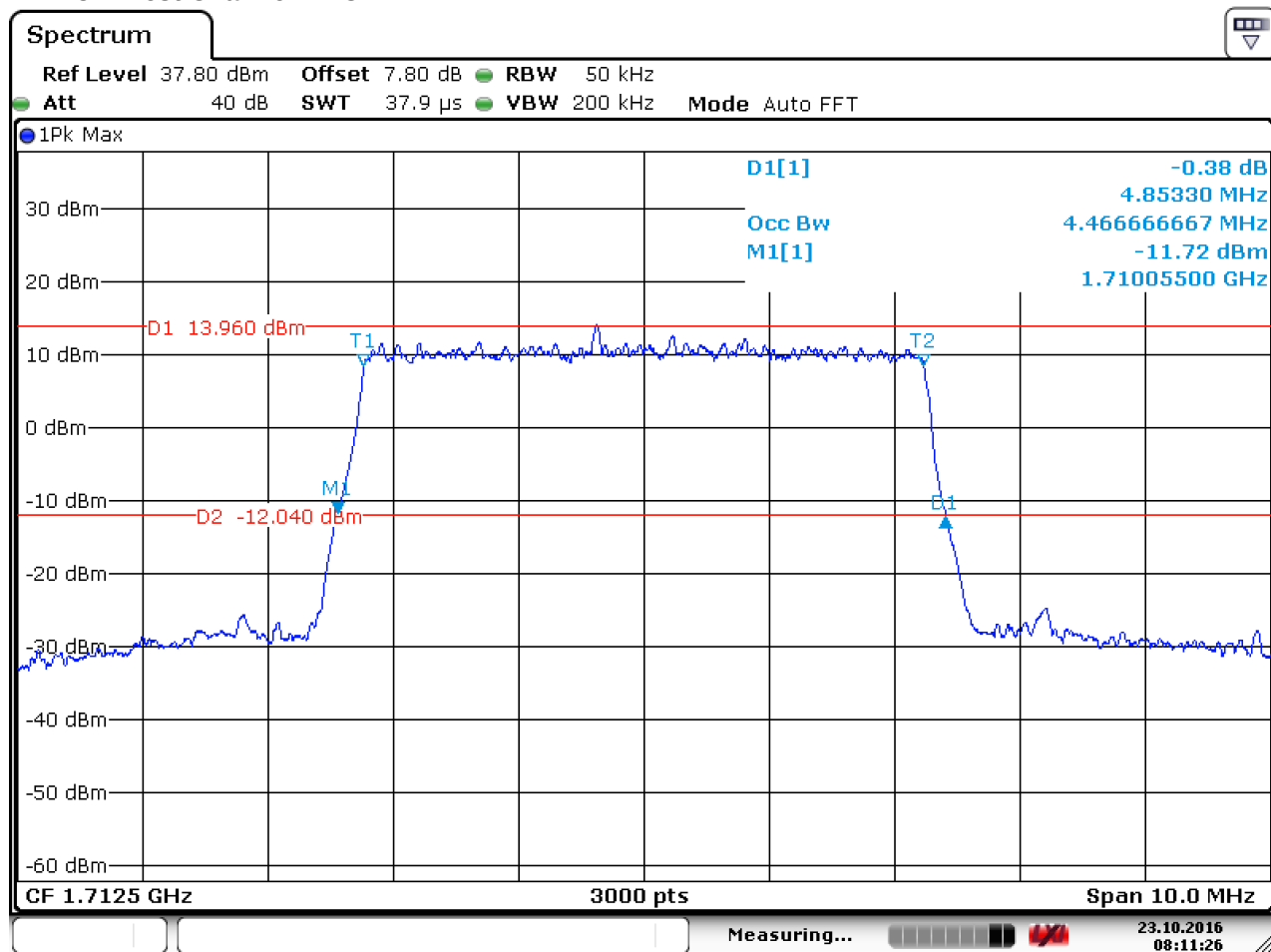


Date: 23.OCT.2016 08:09:21



4.1.1.8 Test Mode = LTE/TM2 5MHz

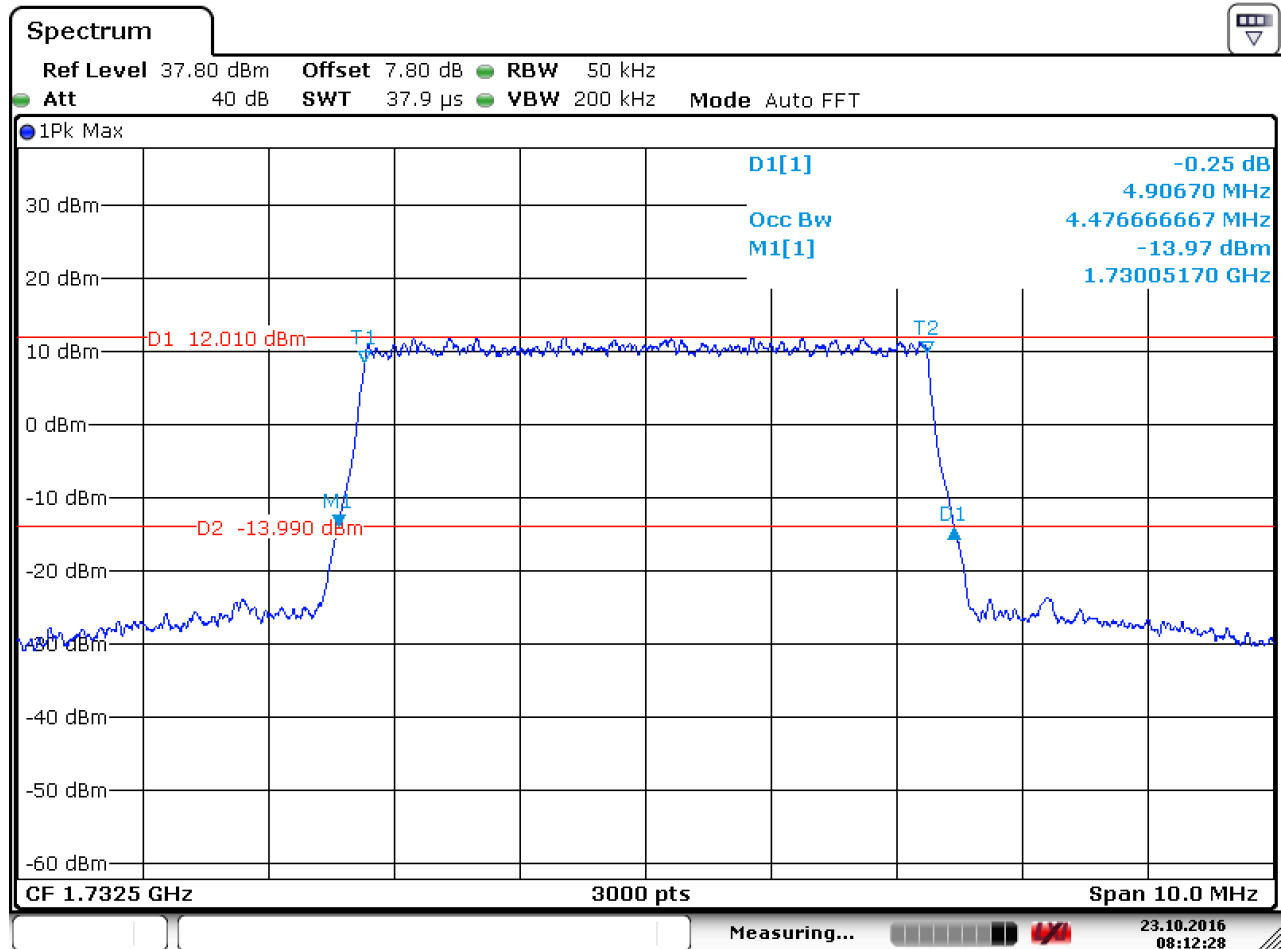
4.1.1.8.1 Test Channel = LCH



Date: 23.OCT.2016 08:11:26



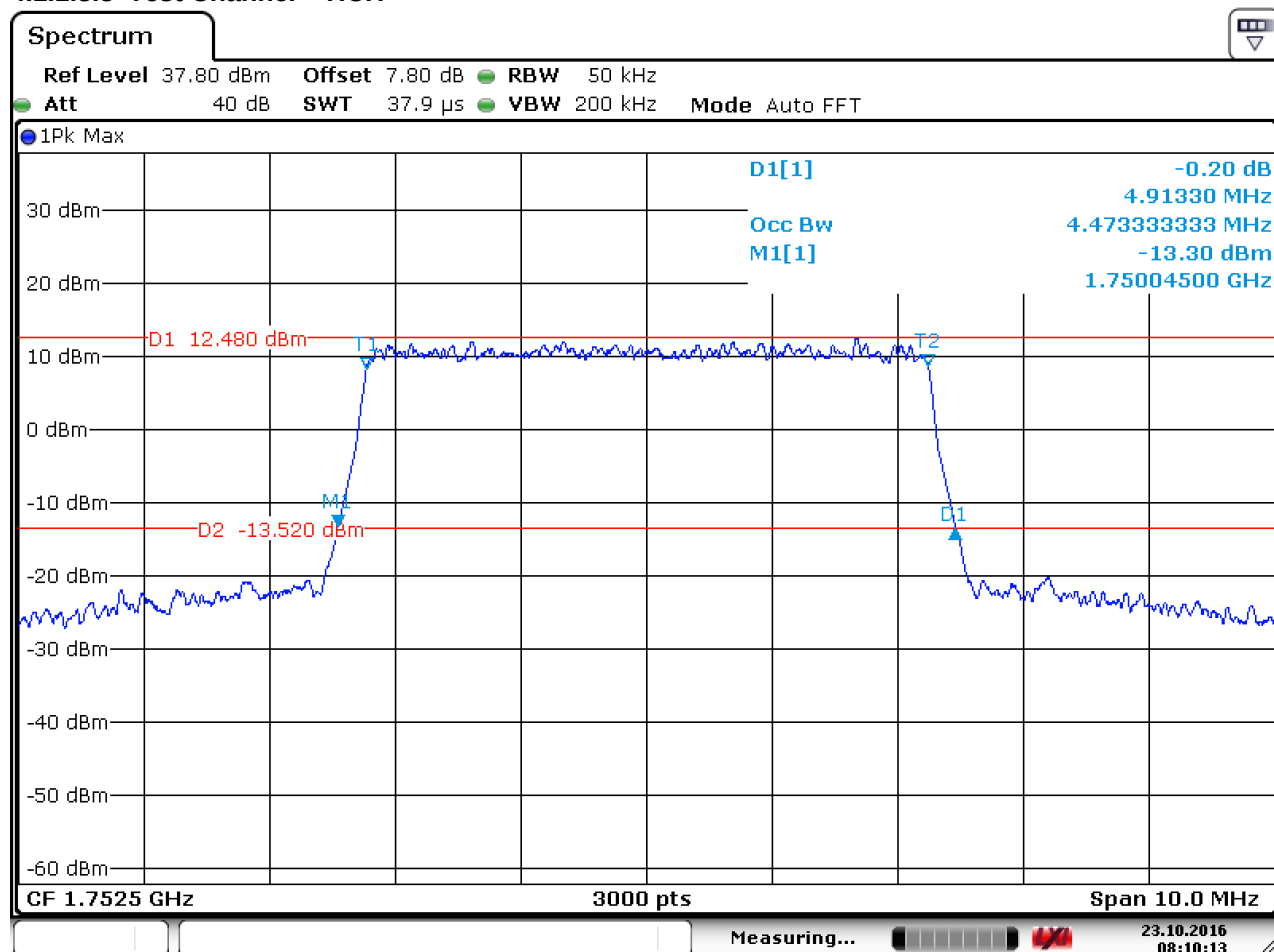
4.1.1.8.2 Test Channel = MCH



Date: 23.OCT.2016 08:12:29



4.1.1.8.3 Test Channel = HCH

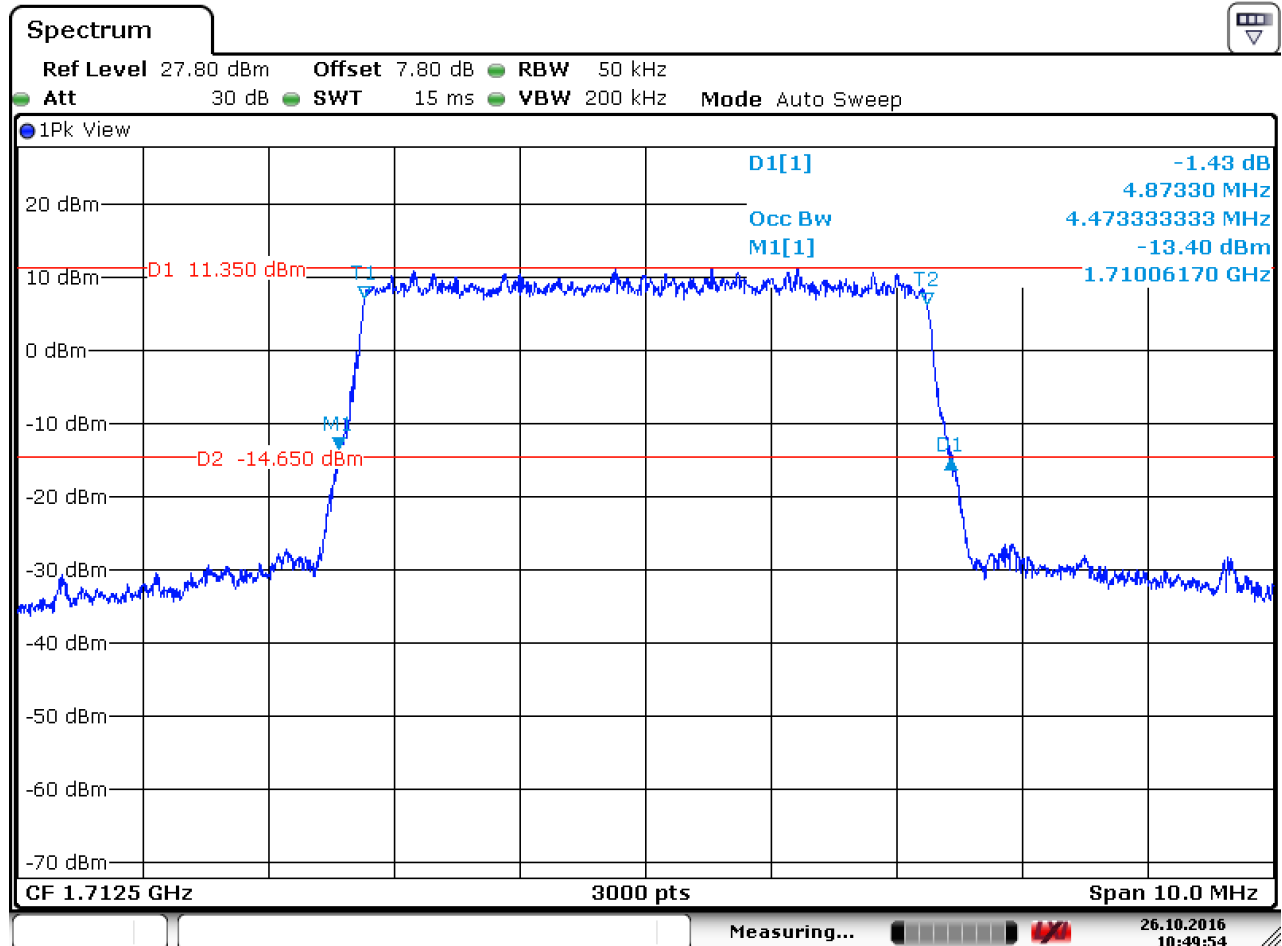


Date: 23.OCT.2016 08:10:13



4.1.1.9 Test Mode = LTE/TM3 5MHz

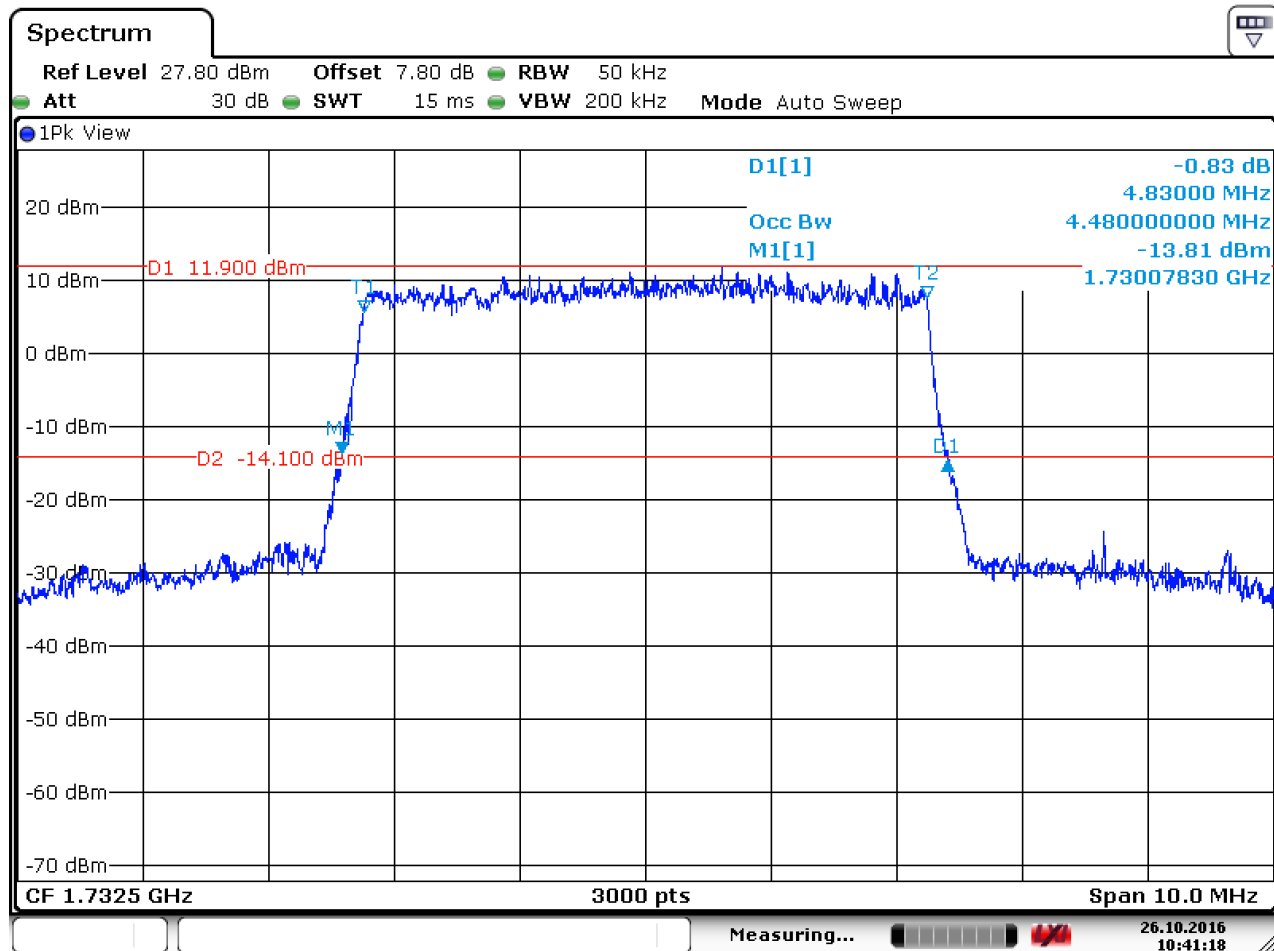
4.1.1.9.1 Test Channel = LCH



Date: 26.OCT.2016 10:49:55



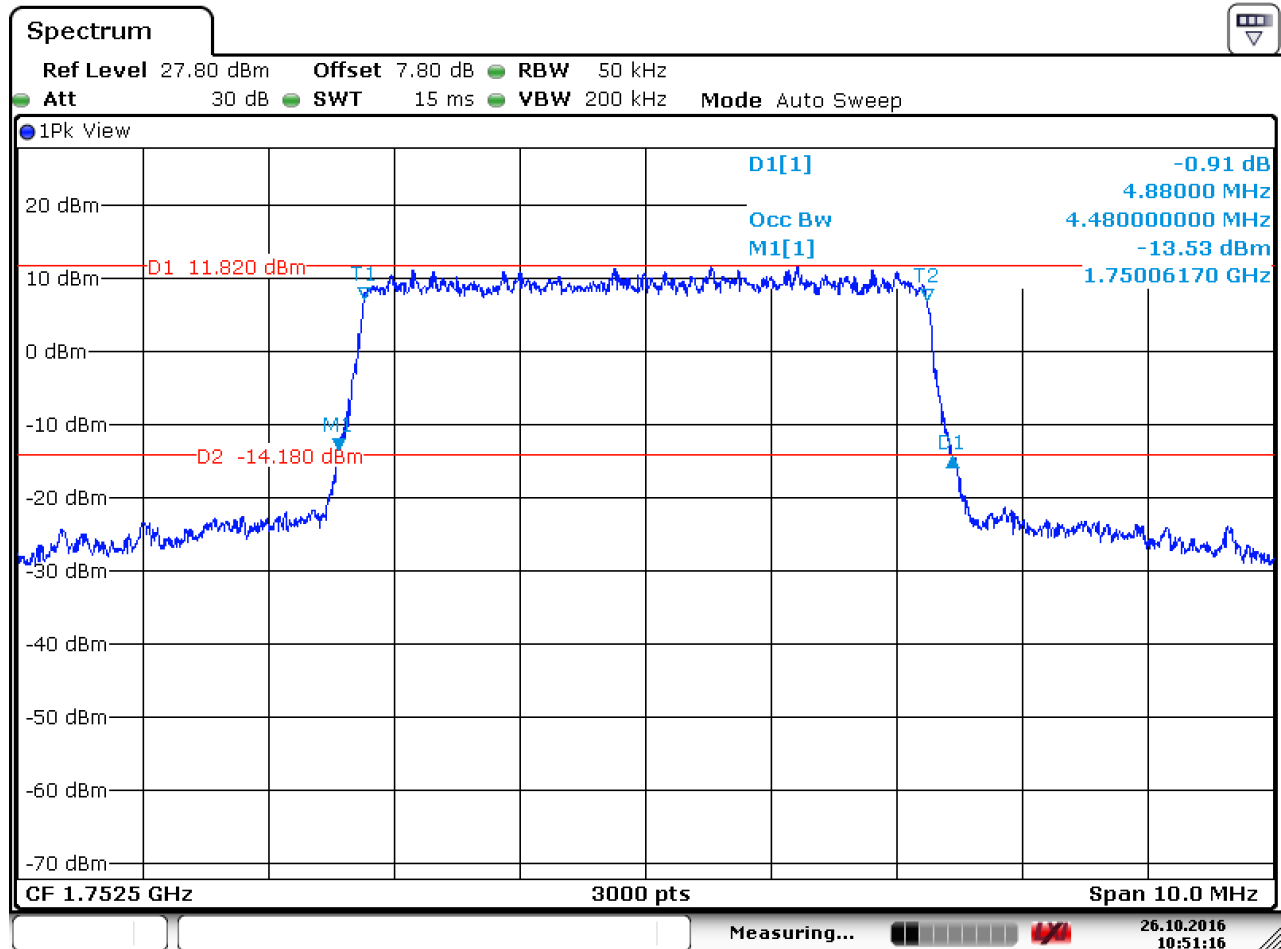
4.1.1.9.2 Test Channel = MCH



Date: 26.OCT.2016 10:41:18



4.1.1.9.3 Test Channel = HCH

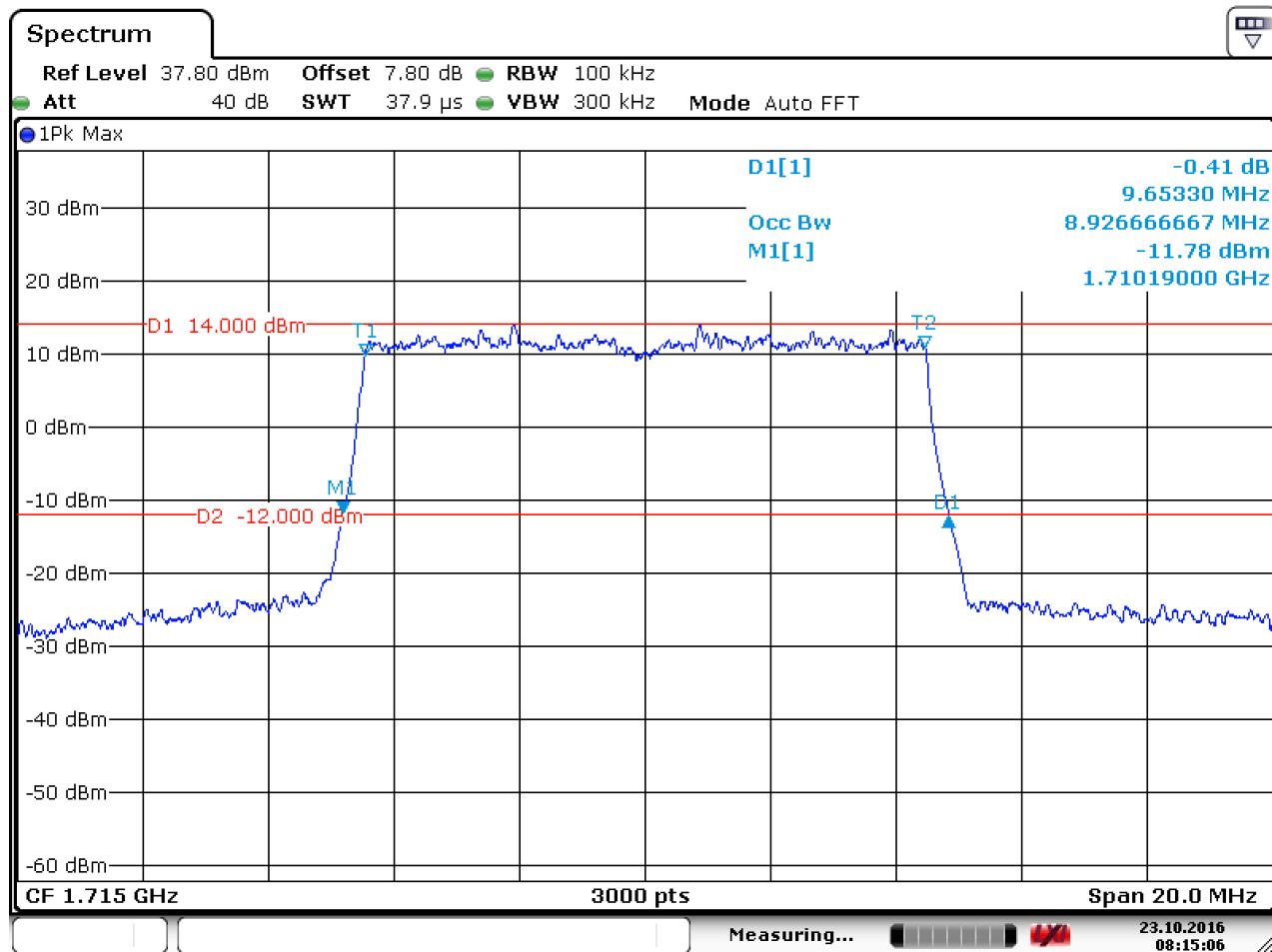


Date: 26.OCT.2016 10:51:17



4.1.1.10 Test Mode = LTE/TM1 10MHz

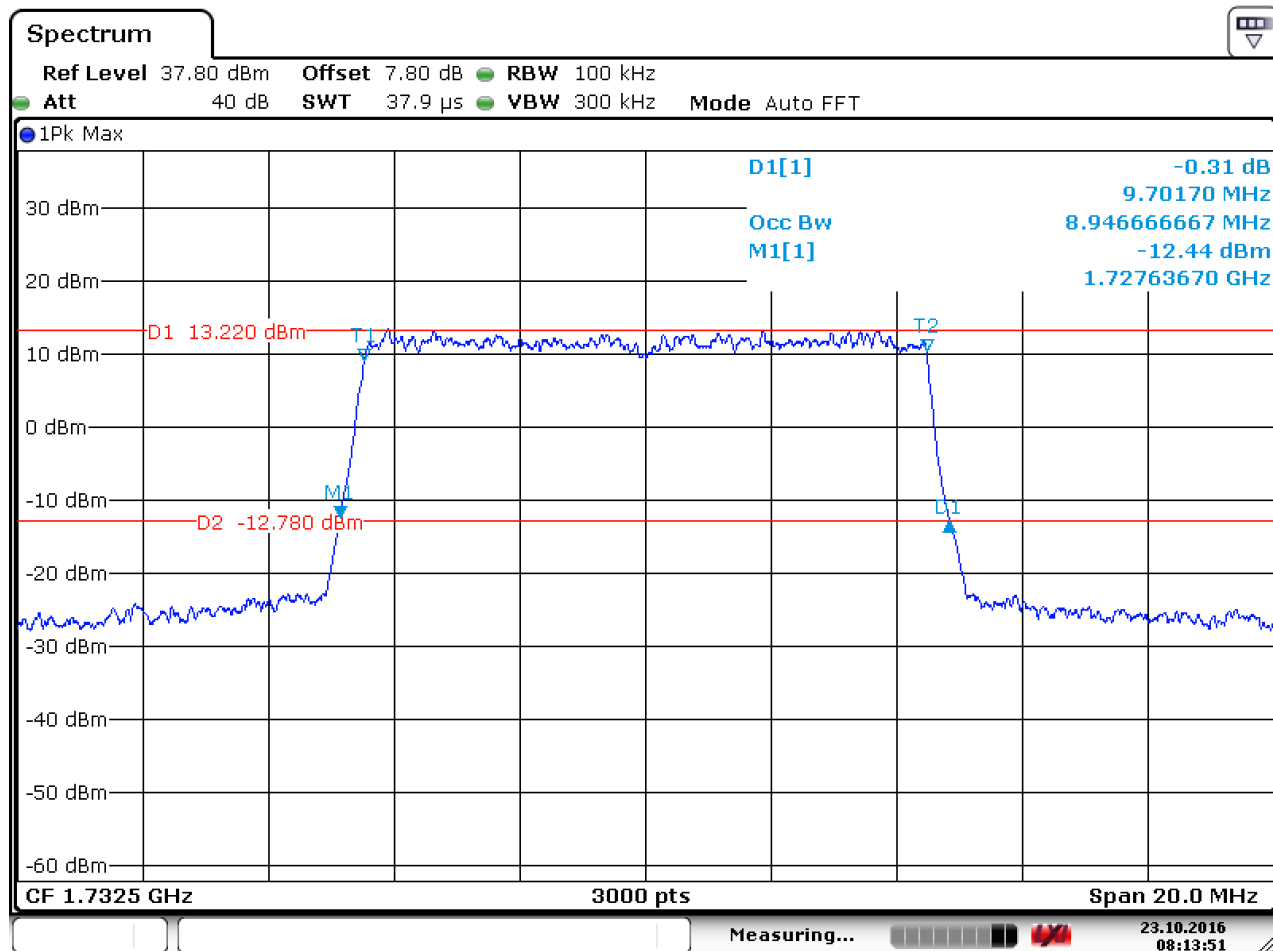
4.1.1.10.1 Test Channel = LCH



Date: 23.OCT.2016 08:15:06



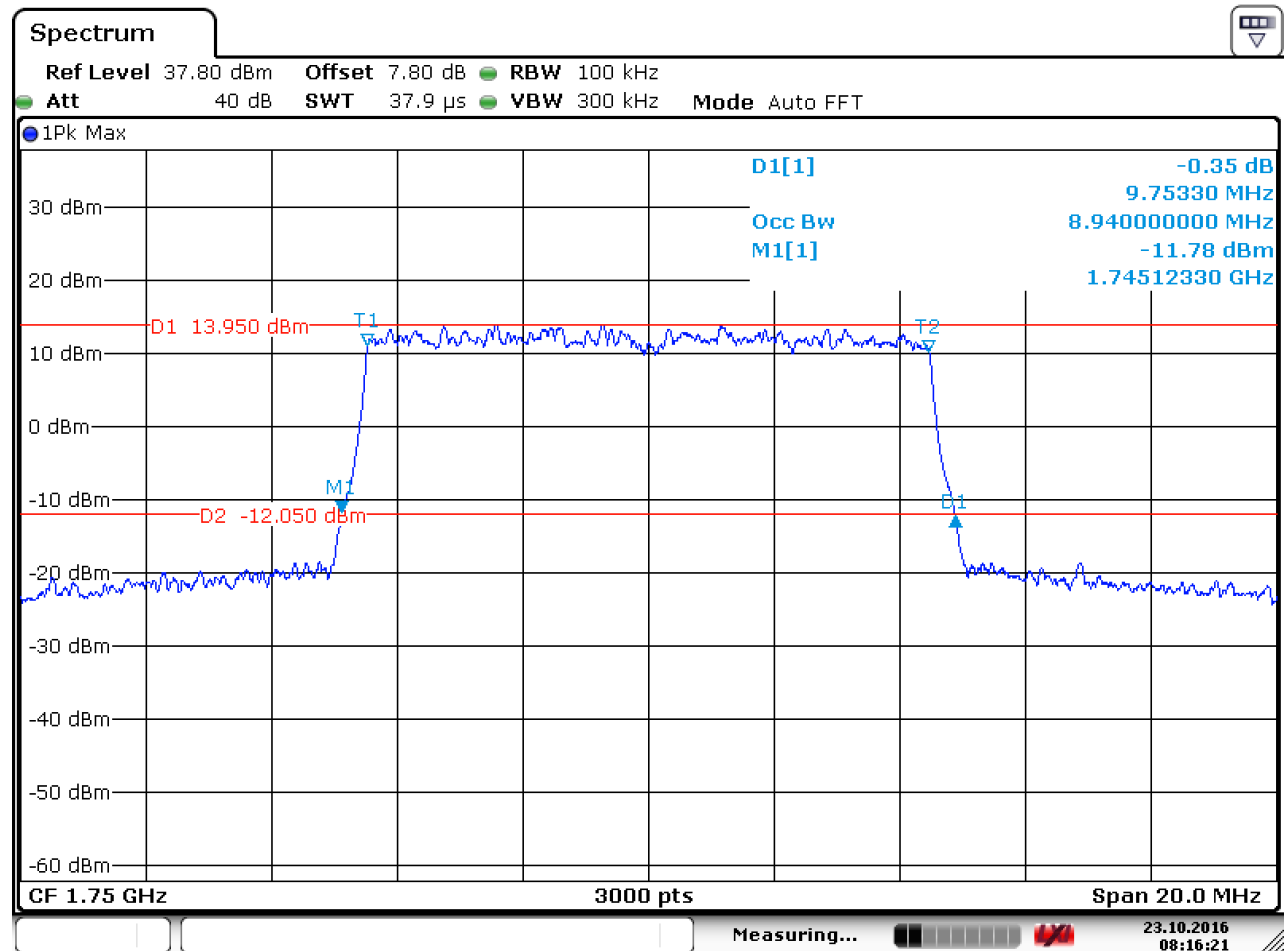
4.1.1.10.2 Test Channel = MCH



Date: 23.OCT.2016 08:13:51



4.1.1.10.3 Test Channel = HCH

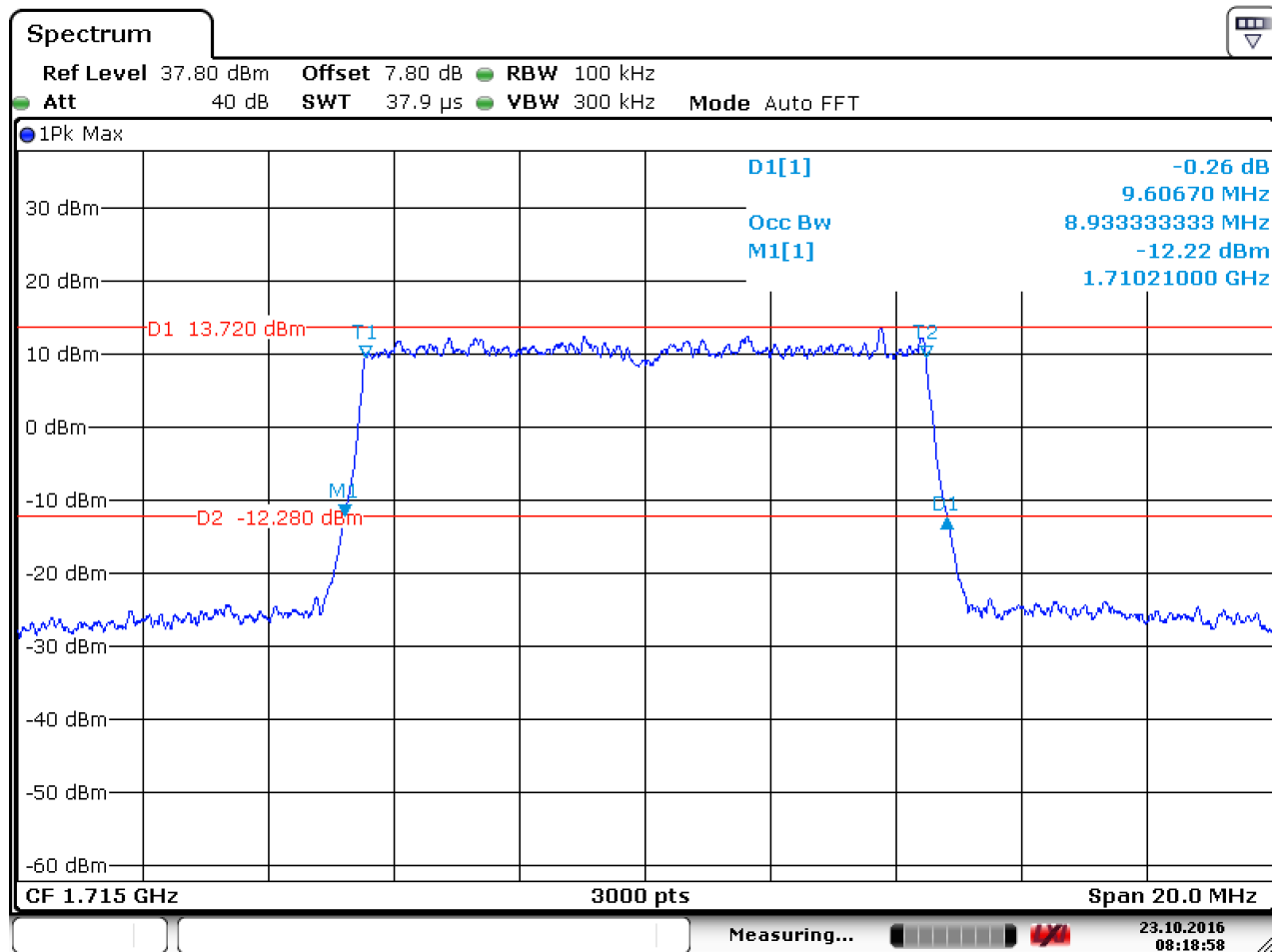


Date: 23.OCT.2016 08:16:21



4.1.1.11 Test Mode = LTE/TM2 10MHz

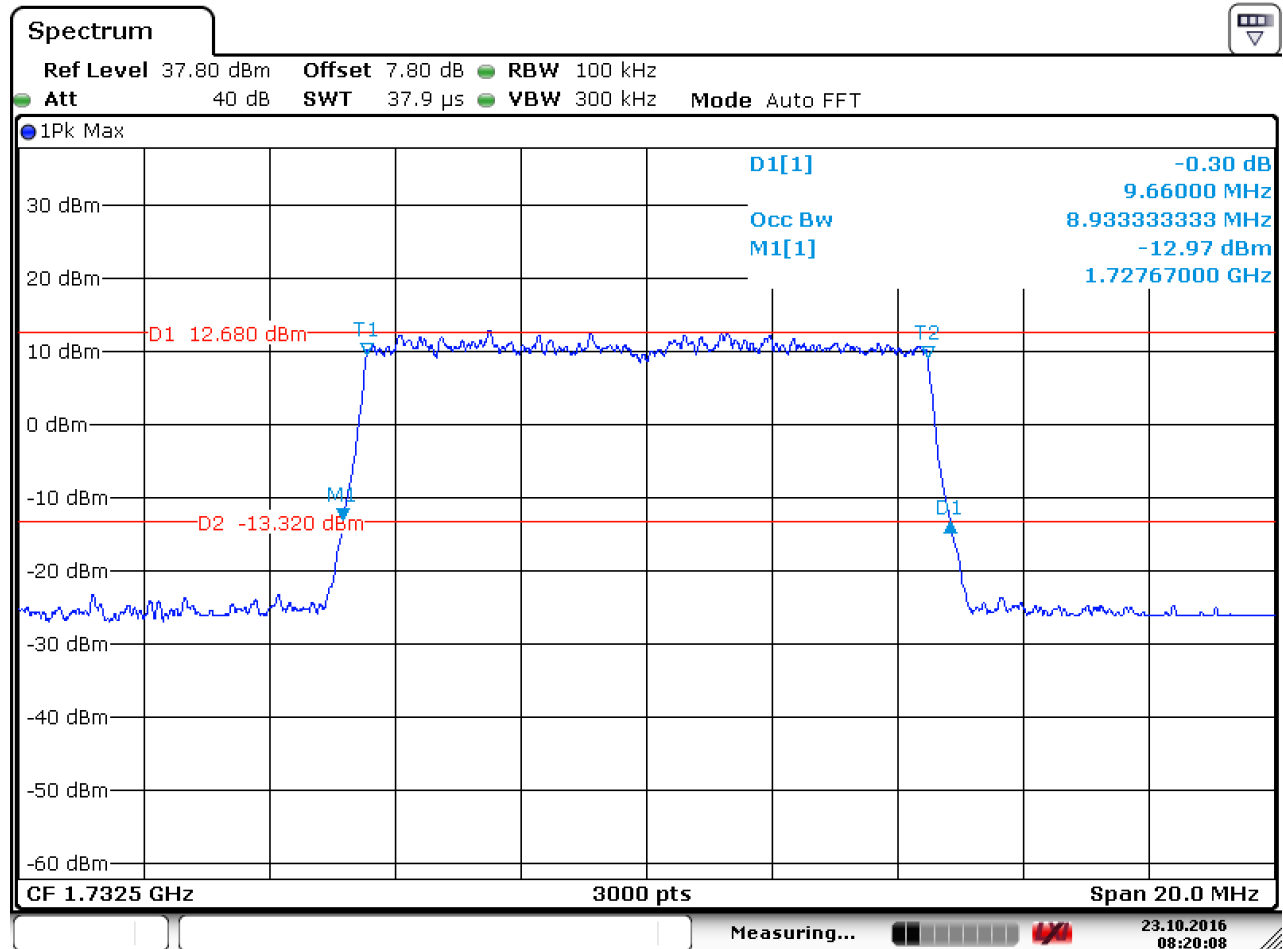
4.1.1.11.1 Test Channel = LCH



Date: 23.OCT.2016 08:18:58



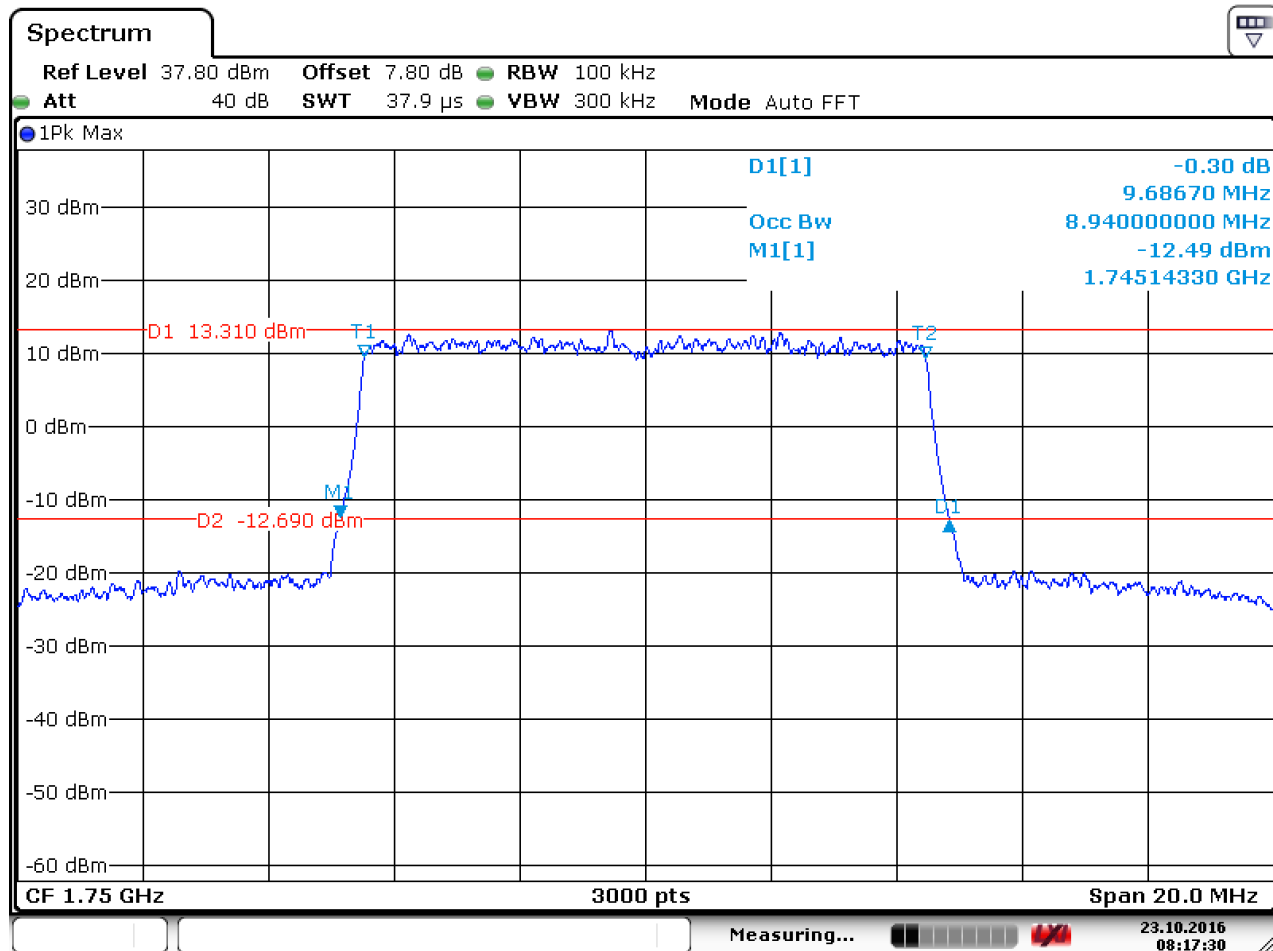
4.1.1.11.2 Test Channel = MCH



Date: 23.OCT.2016 08:20:08



4.1.1.11.3 Test Channel = HCH

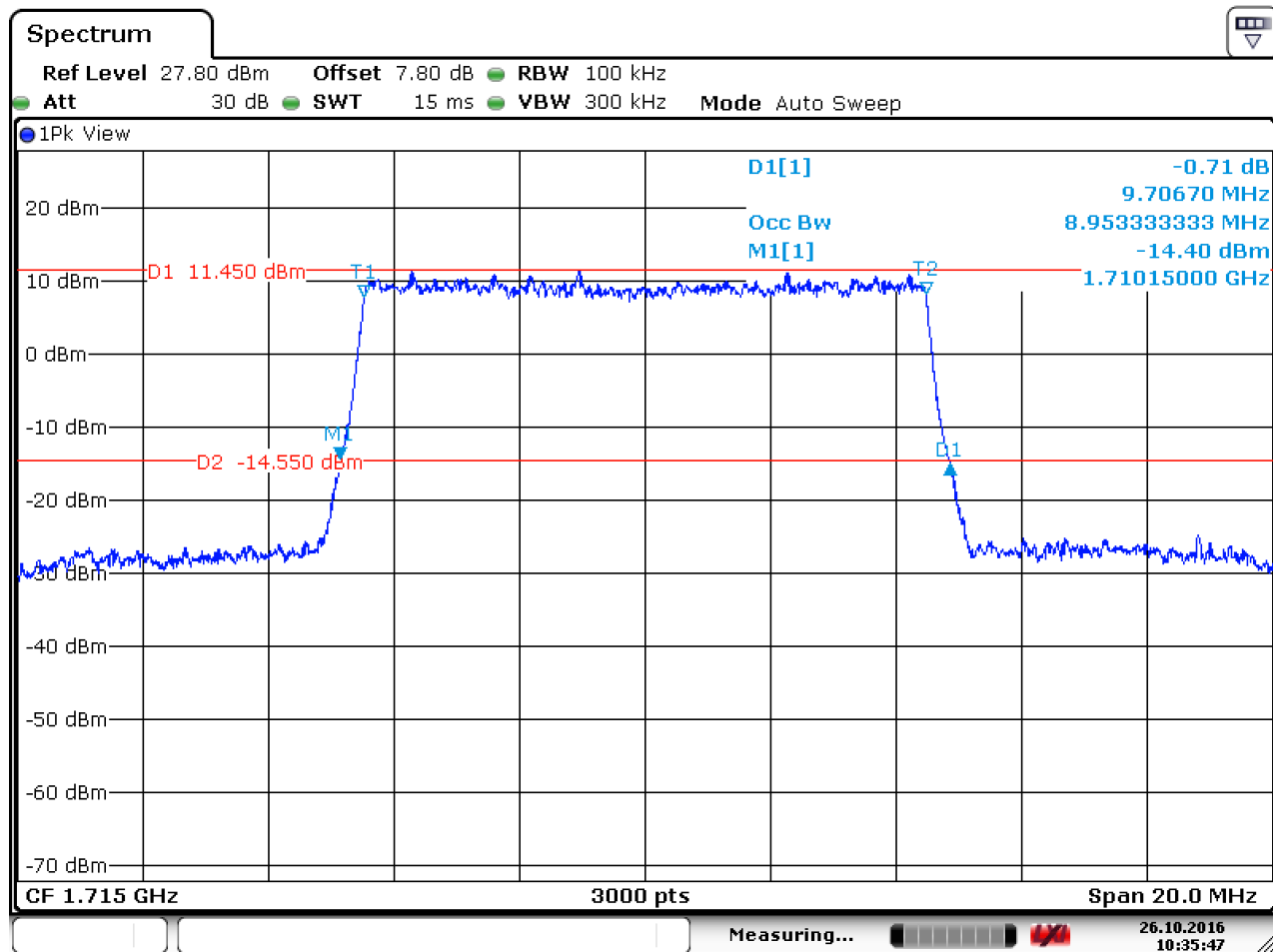


Date: 23.OCT.2016 08:17:30



4.1.1.12 Test Mode = LTE/TM3 10MHz

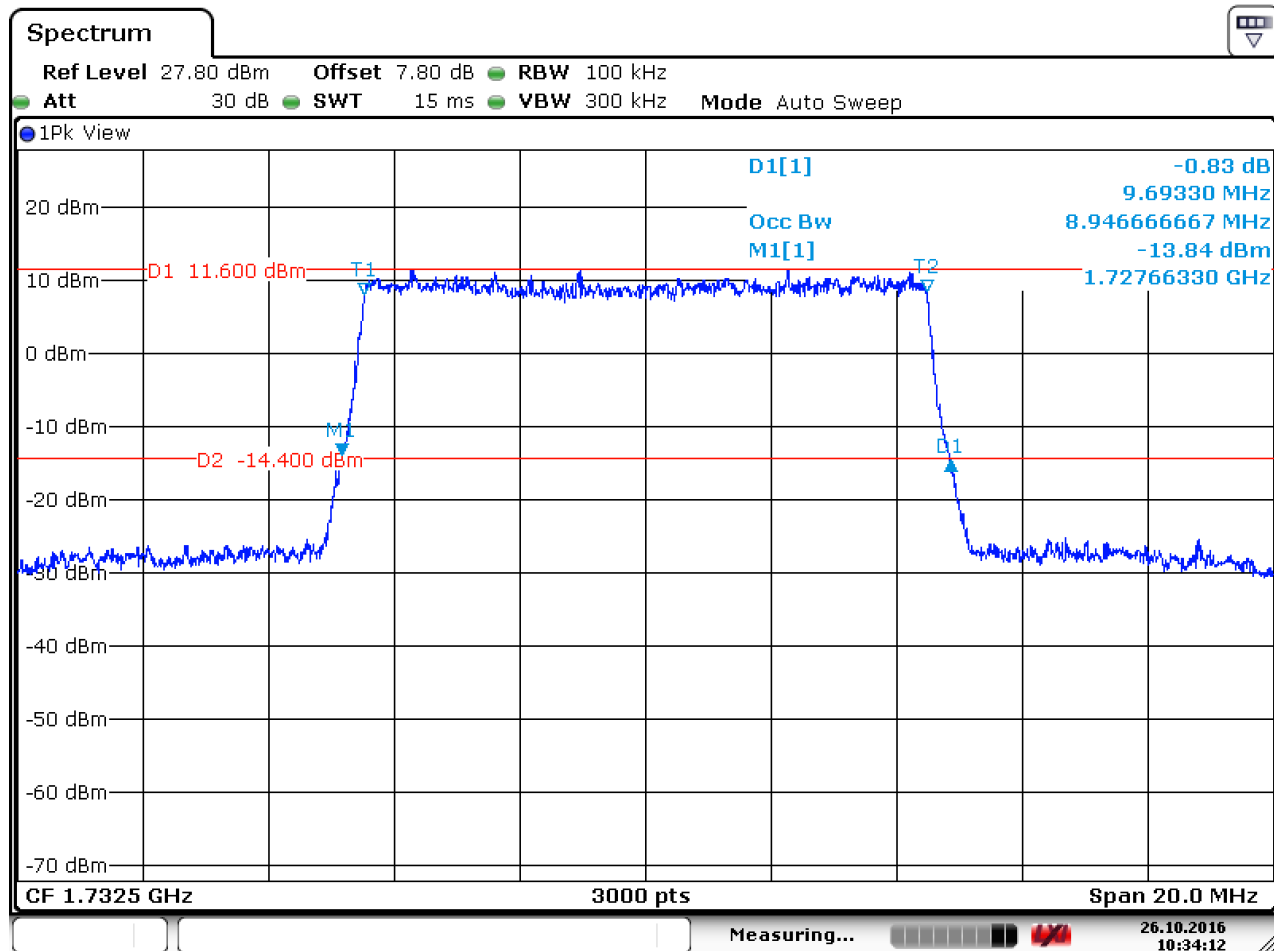
4.1.1.12.1 Test Channel = LCH



Date: 26.OCT.2016 10:35:47



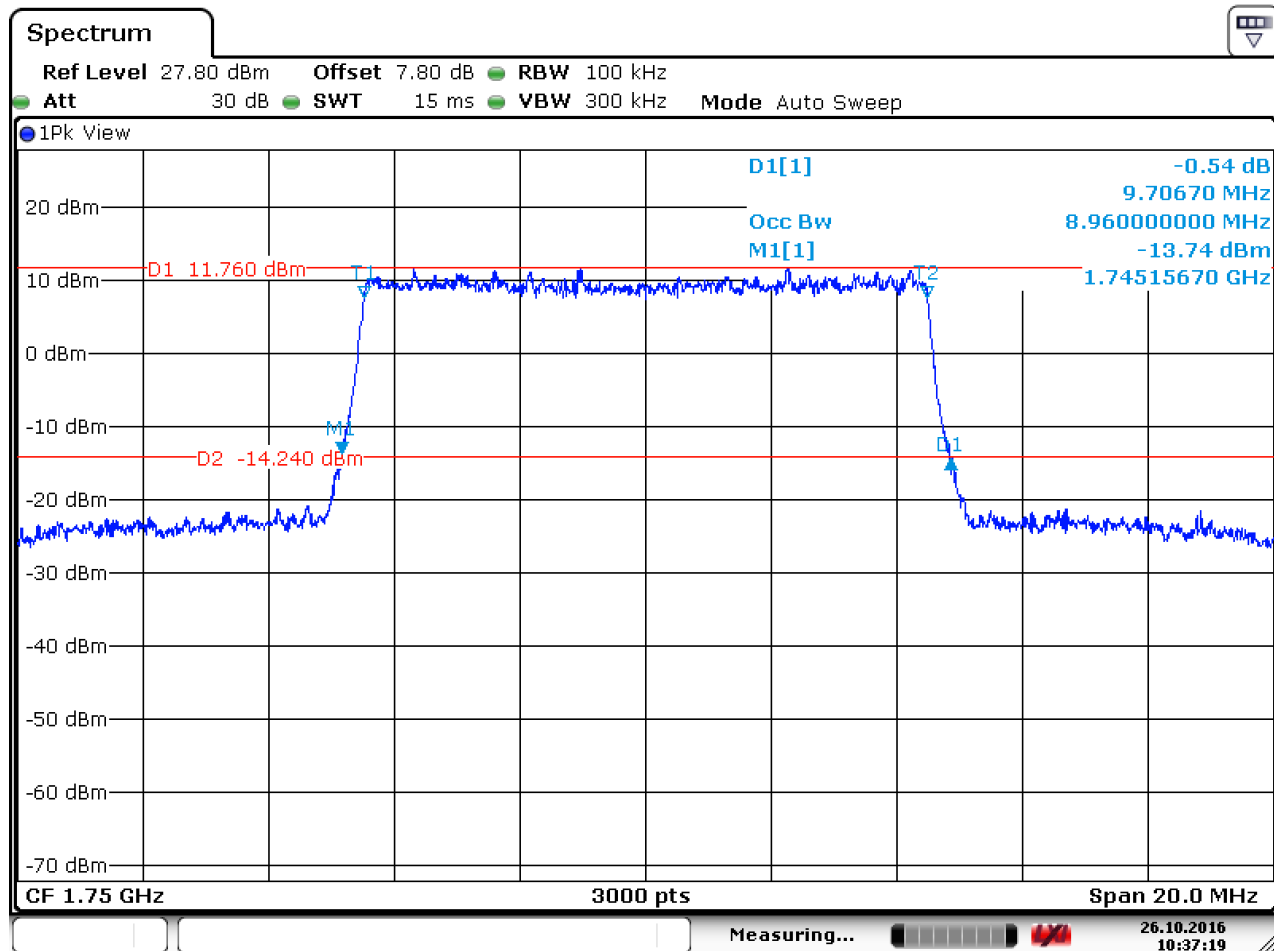
4.1.1.12.2 Test Channel = MCH



Date: 26.OCT.2016 10:34:13



4.1.1.12.3 Test Channel = HCH

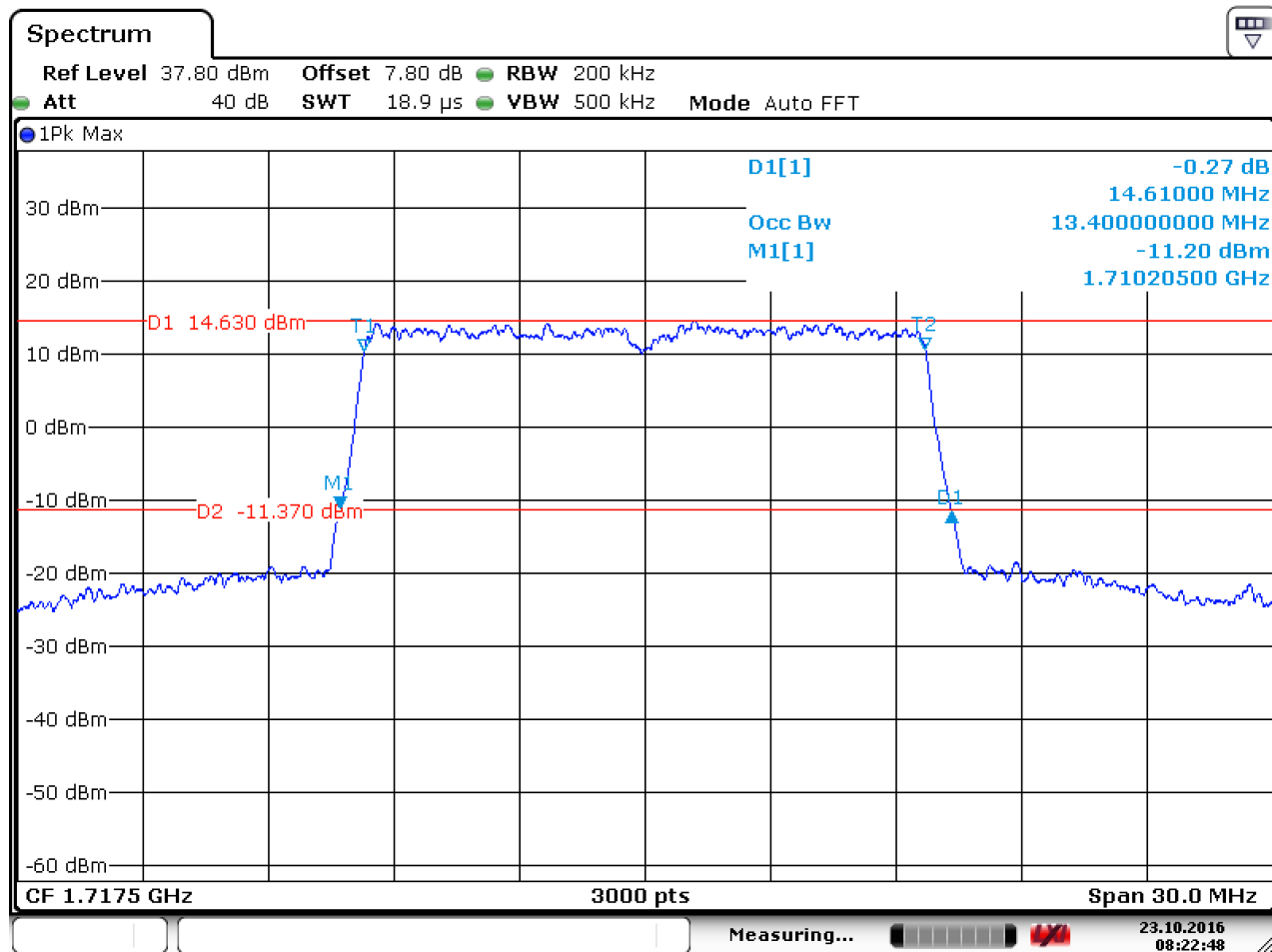


Date: 26.OCT.2016 10:37:19



4.1.1.13 Test Mode = LTE/TM1 15MHz

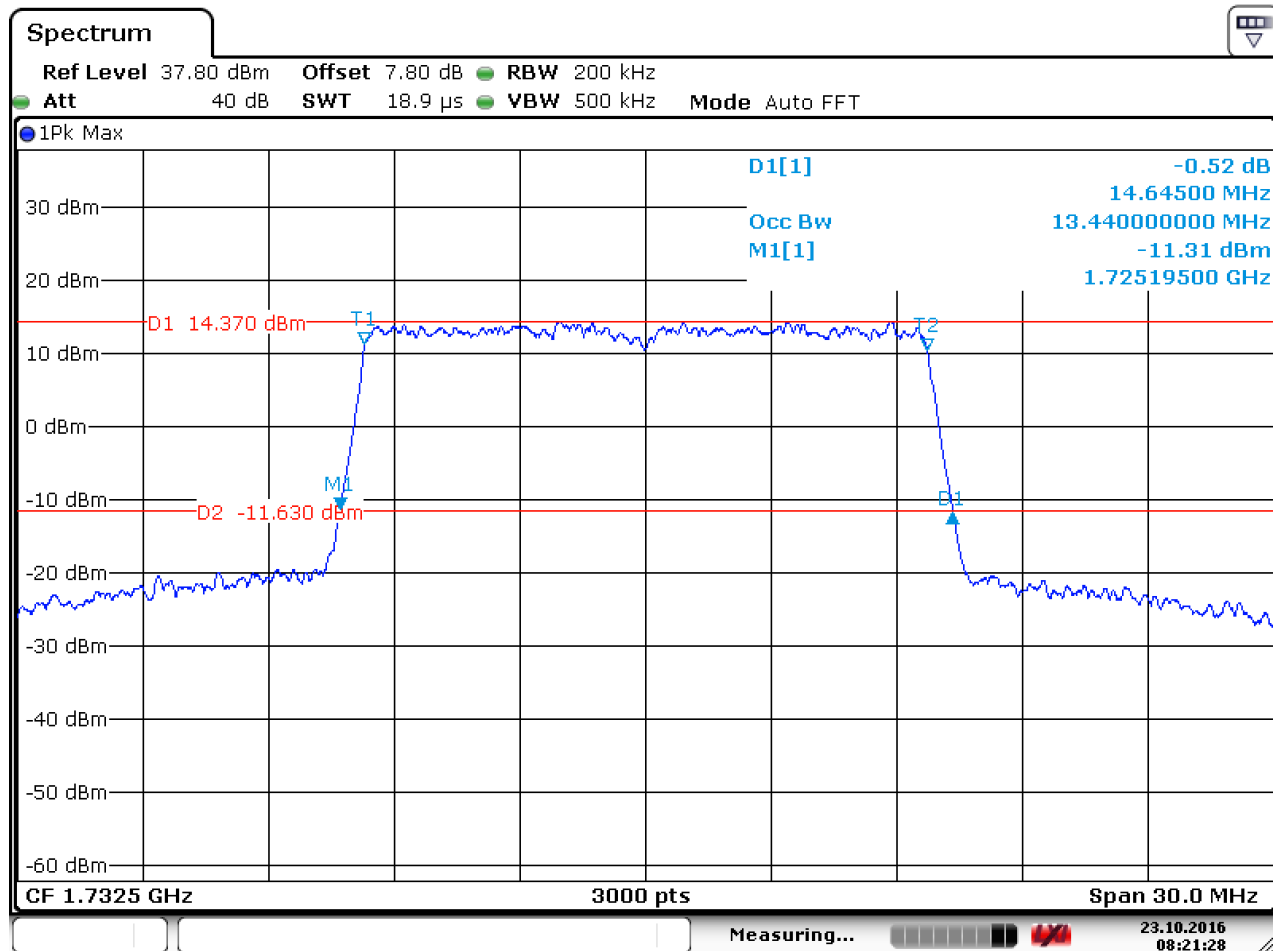
4.1.1.13.1 Test Channel = LCH



Date: 23.OCT.2016 08:22:48



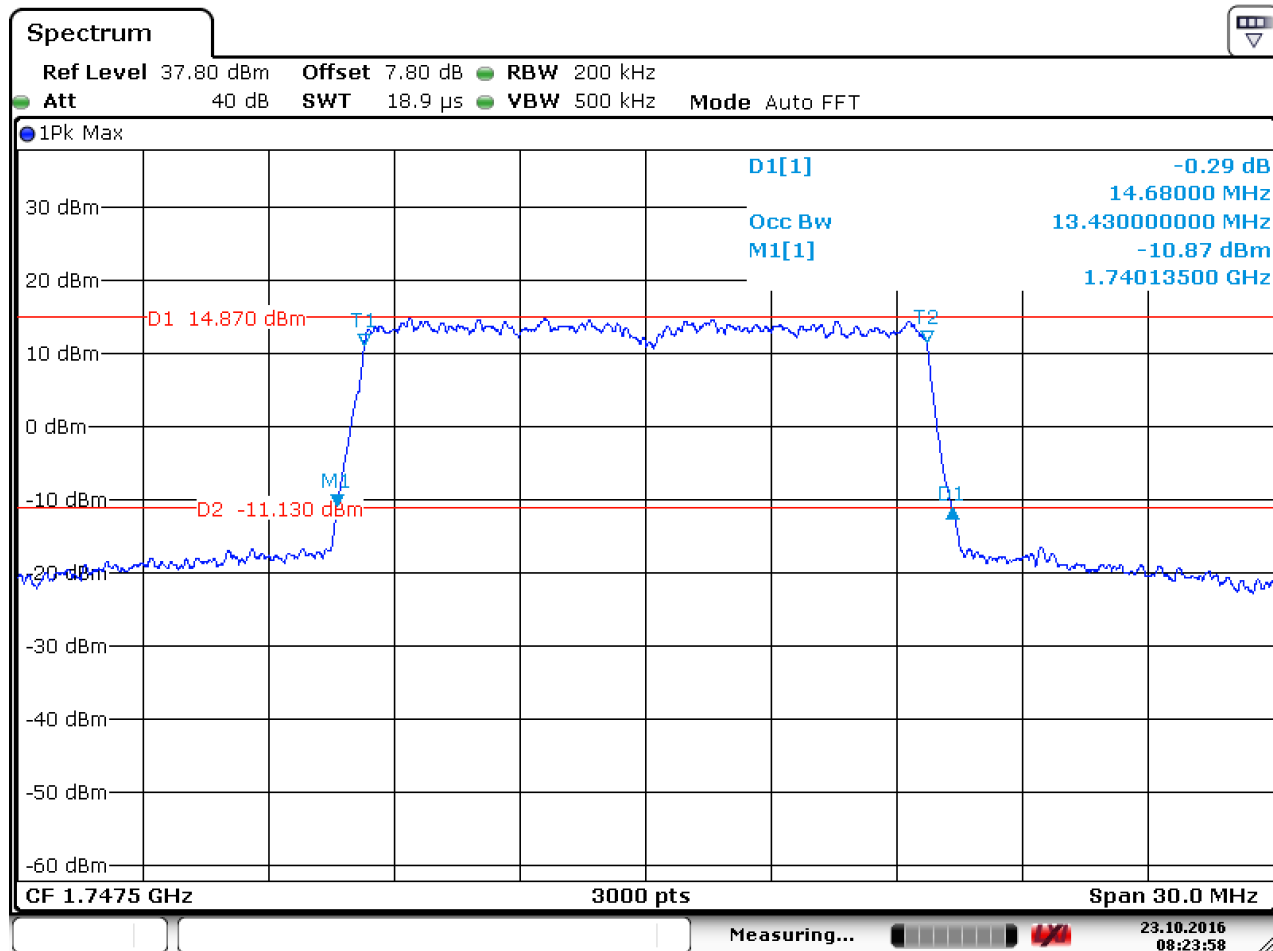
4.1.1.13.2 Test Channel = MCH



Date: 23.OCT.2016 08:21:28



4.1.1.13.3 Test Channel = HCH

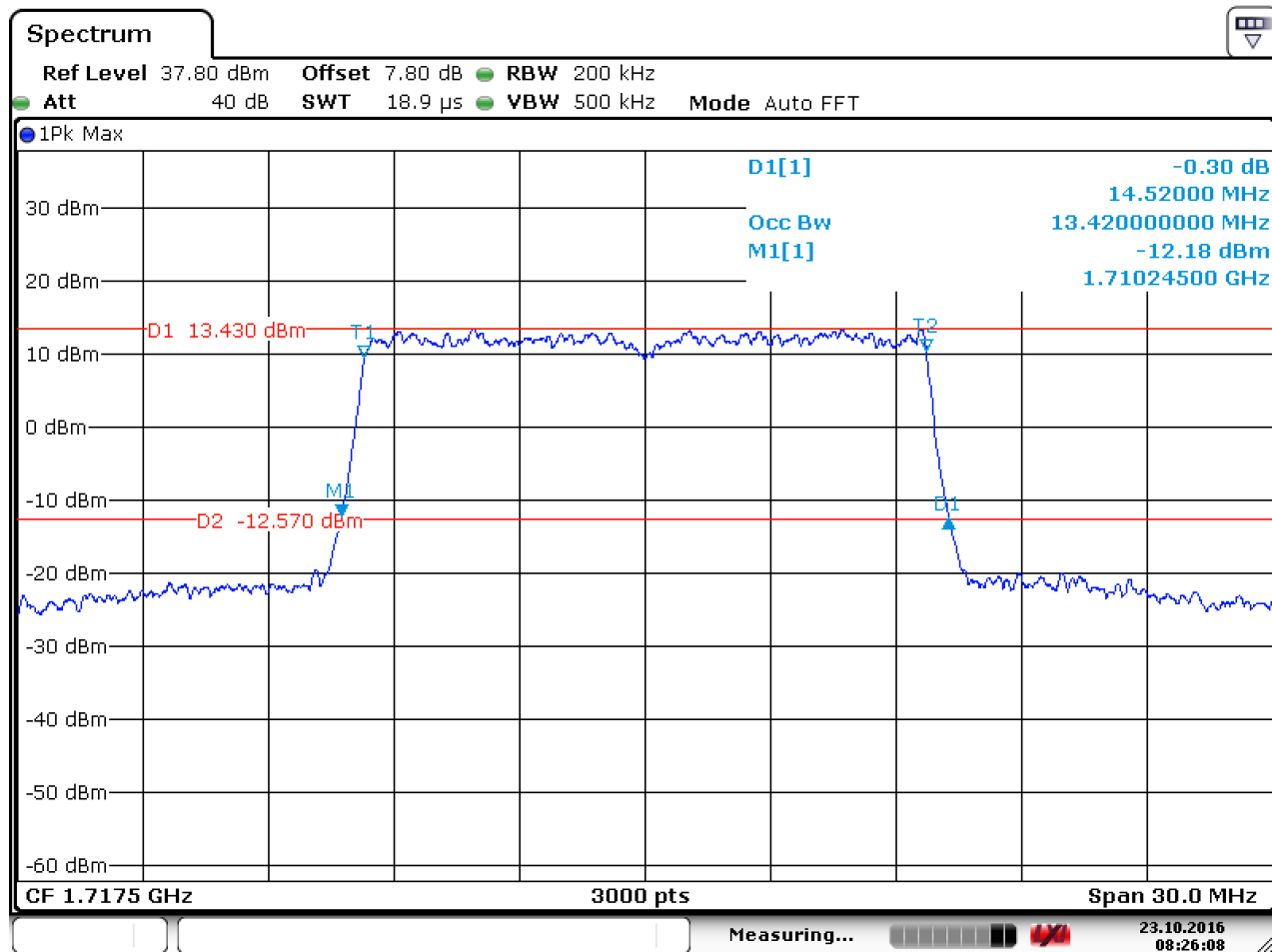


Date: 23.OCT.2016 08:23:59



4.1.1.14 Test Mode = LTE/TM2 15MHz

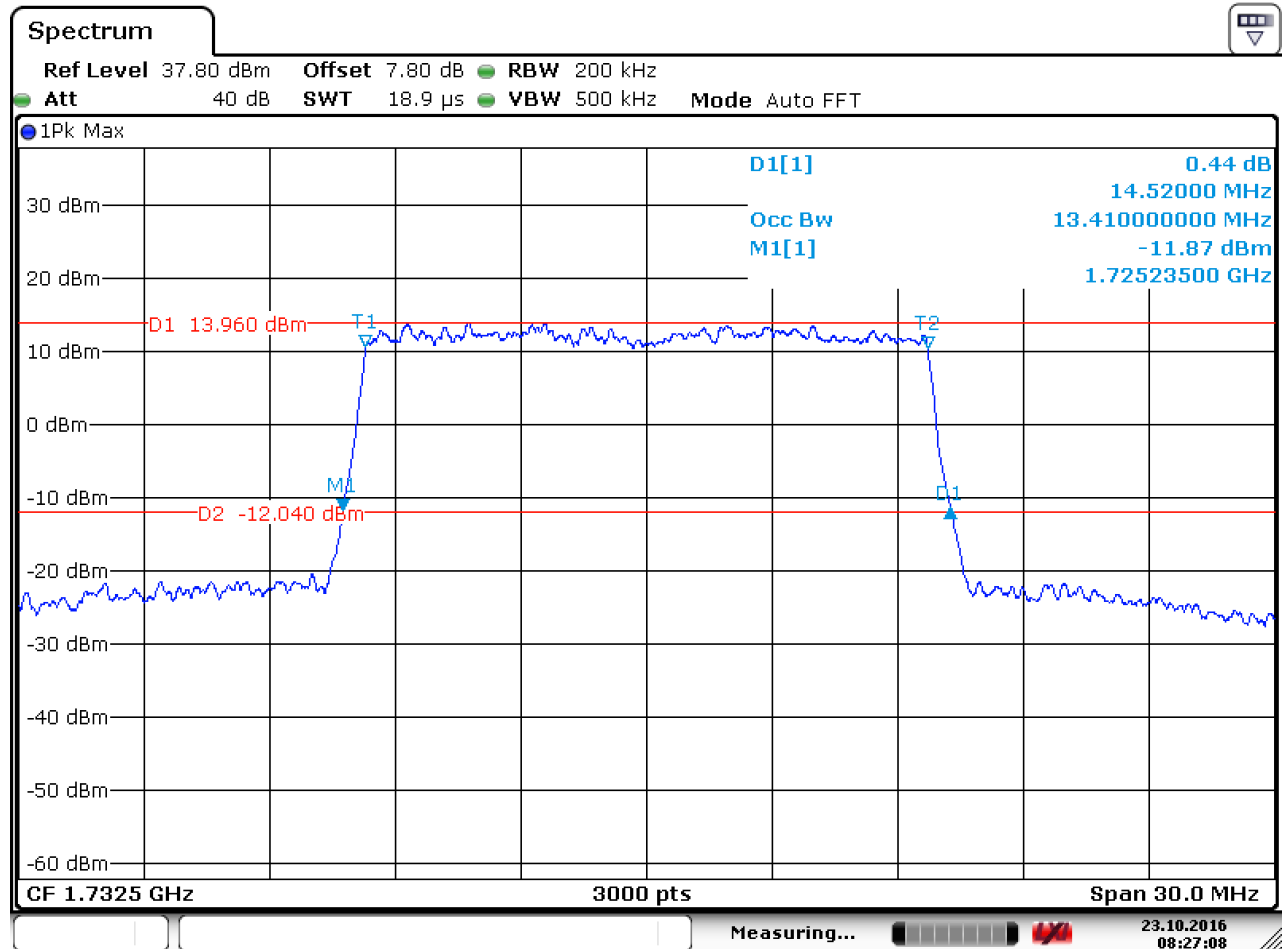
4.1.1.14.1 Test Channel = LCH



Date: 23.OCT.2016 08:26:08



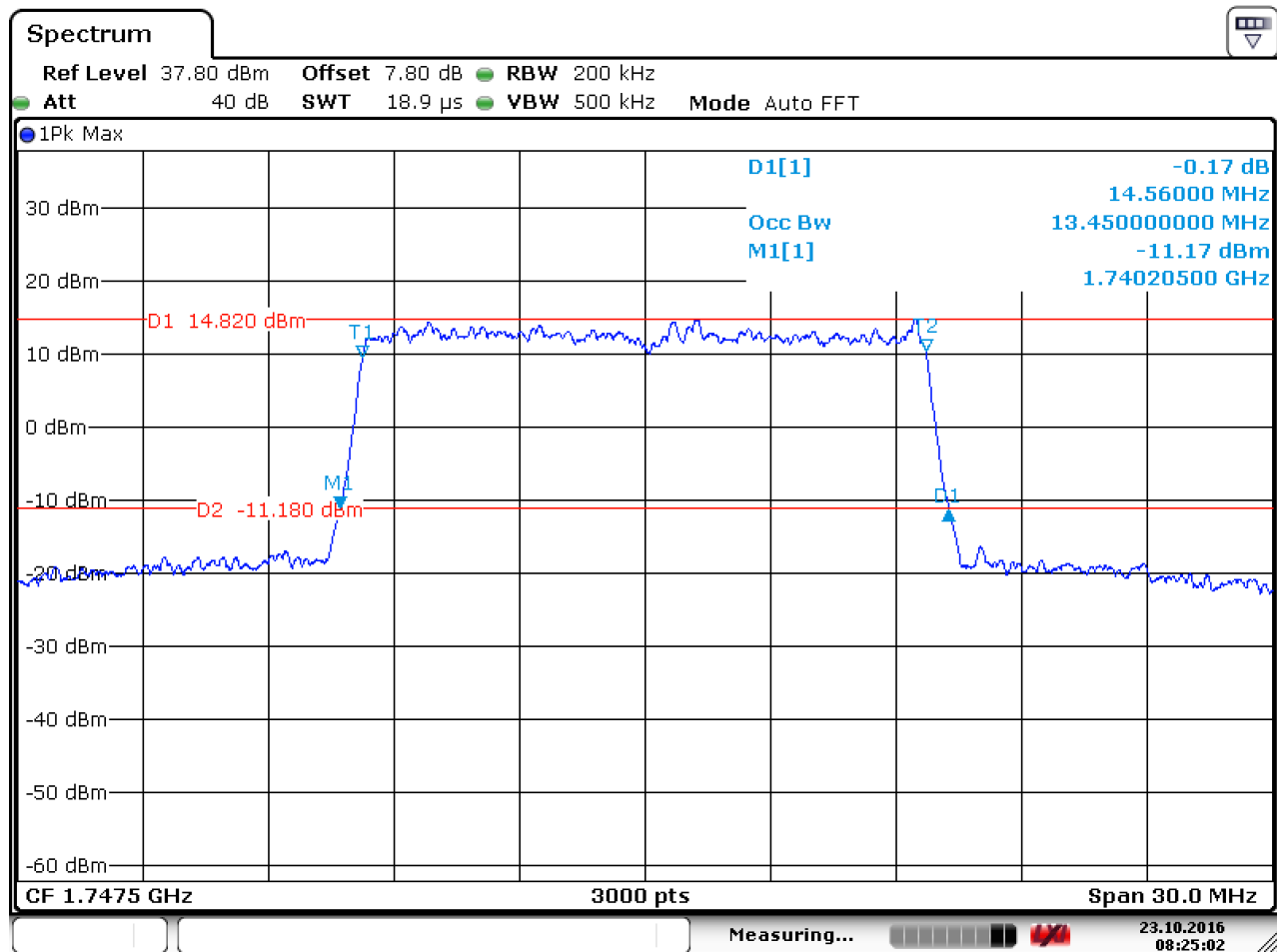
4.1.1.14.2 Test Channel = MCH



Date: 23.OCT.2016 08:27:08



4.1.1.14.3 Test Channel = HCH

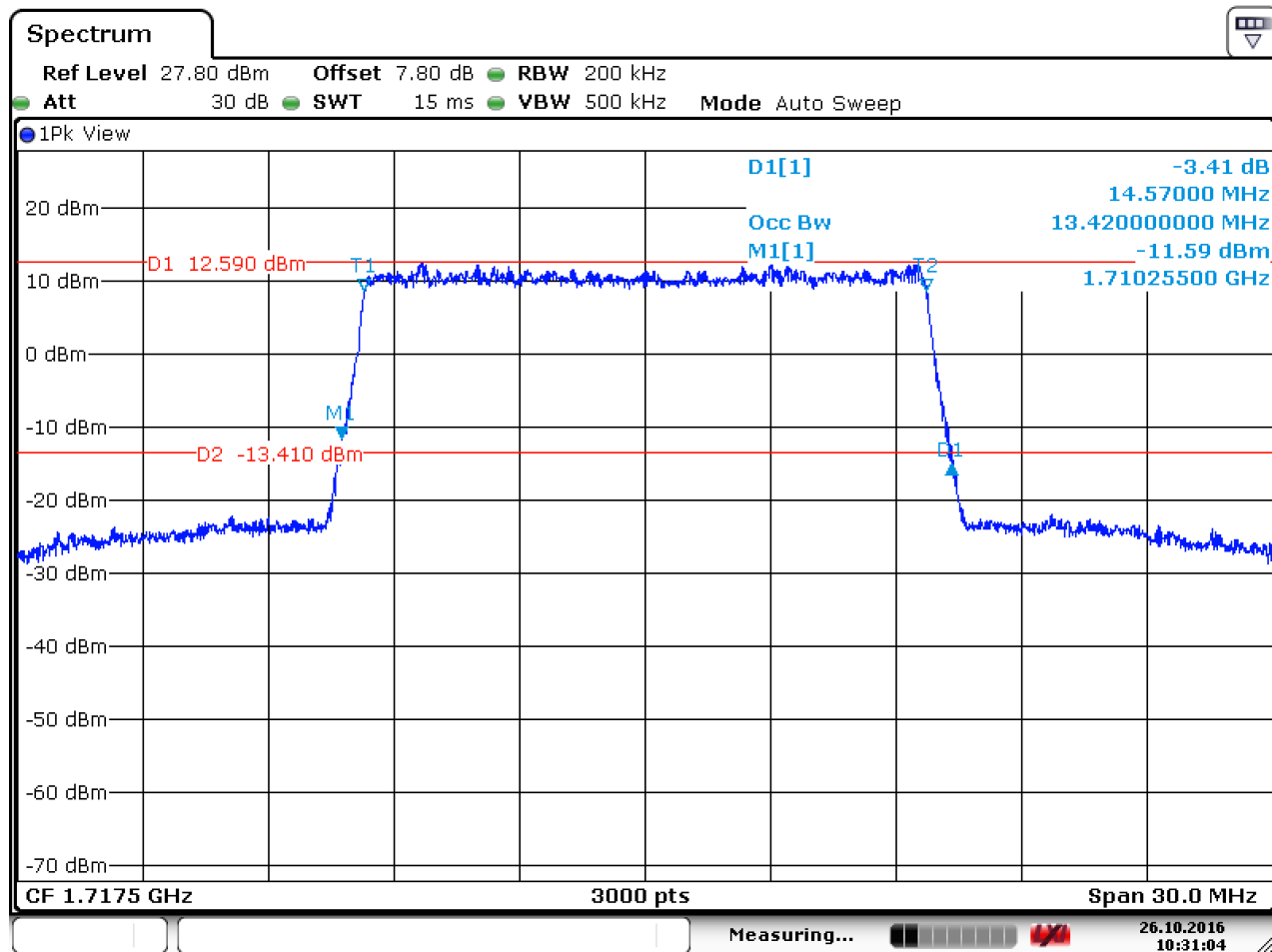


Date: 23.OCT.2016 08:25:02



4.1.1.15 Test Mode = LTE/TM3 15MHz

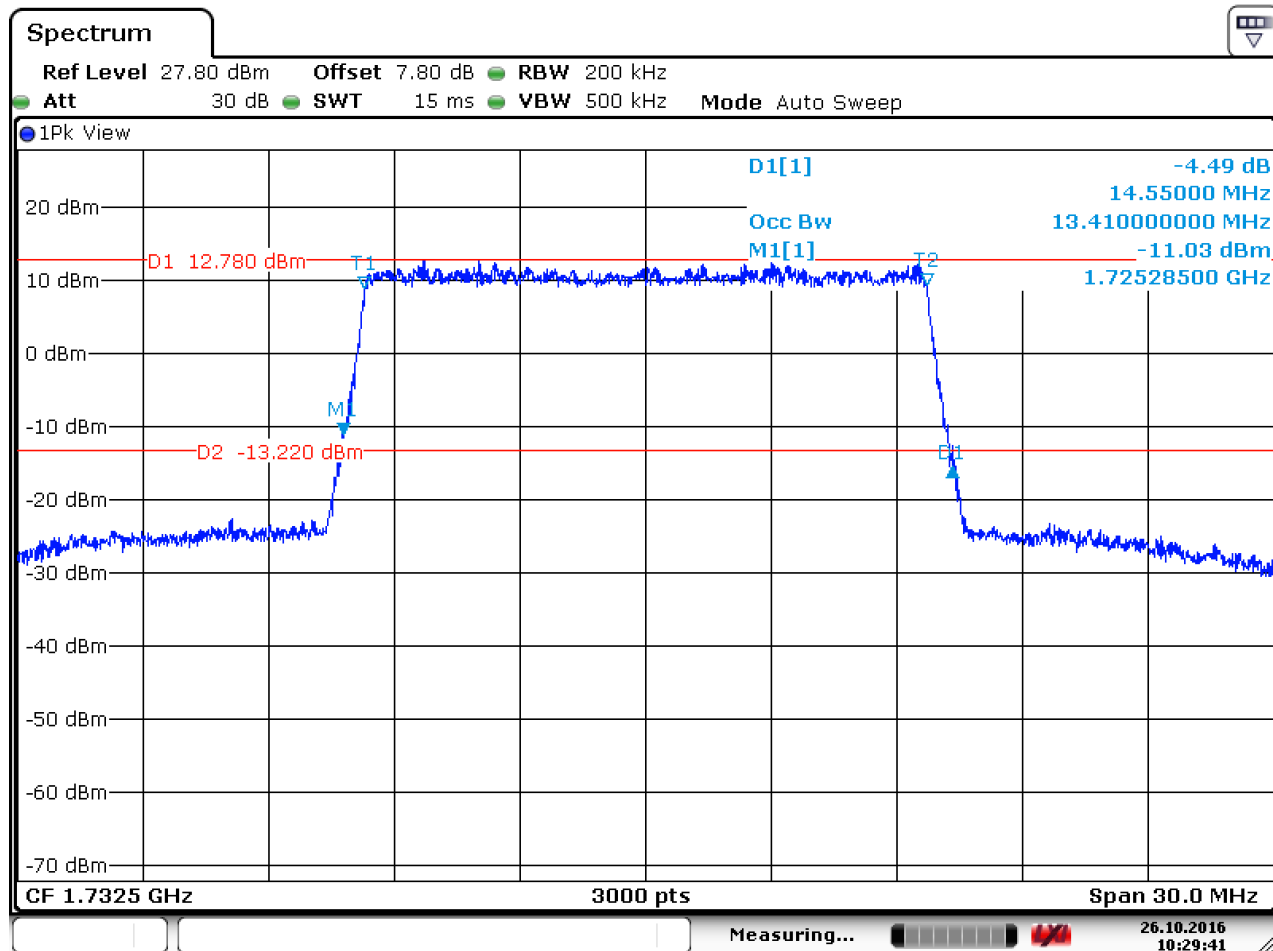
4.1.1.15.1 Test Channel = LCH



Date: 26.OCT.2016 10:31:04

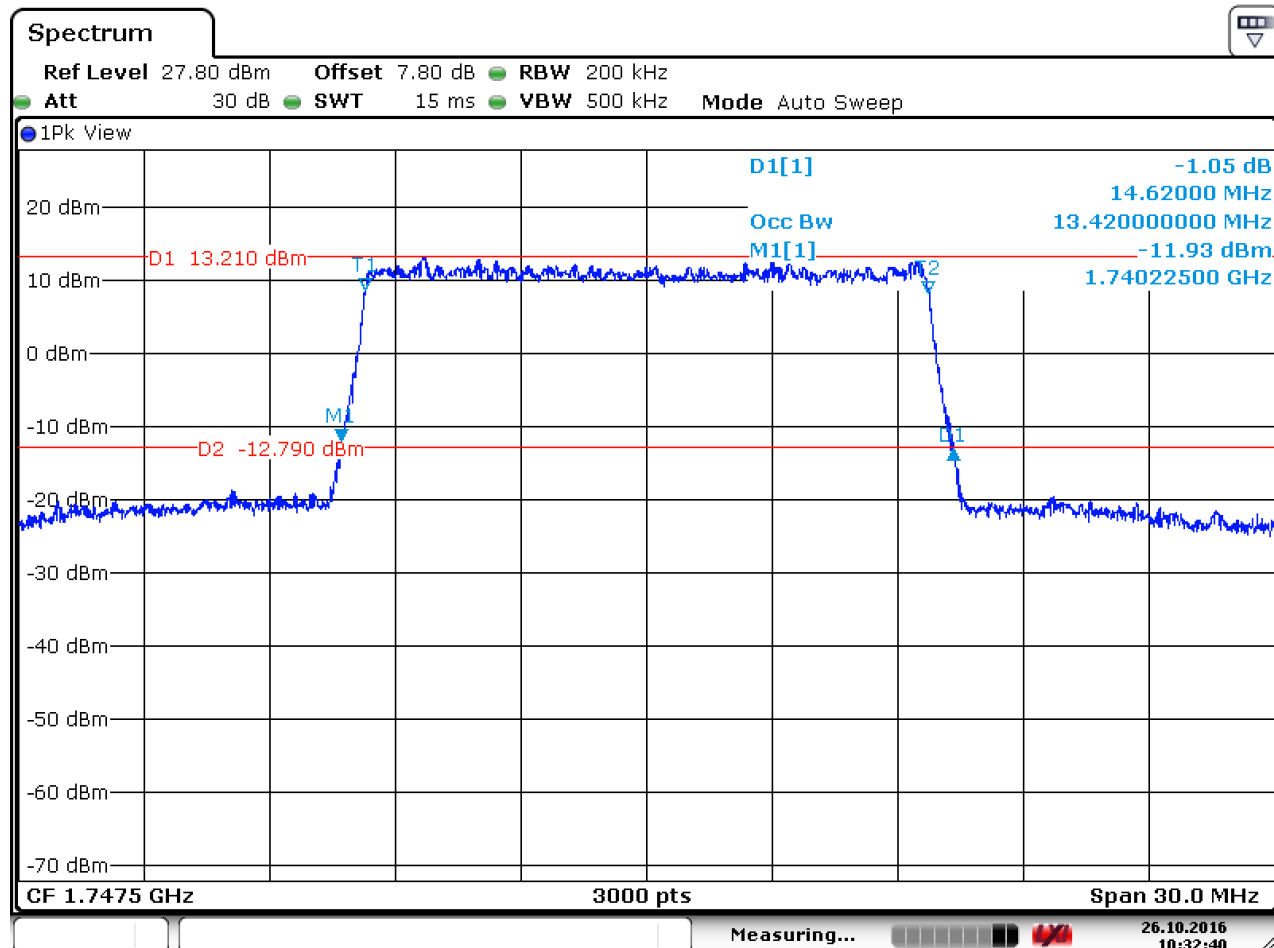


4.1.1.15.2 Test Channel = MCH



Date: 26.OCT.2016 10:29:41

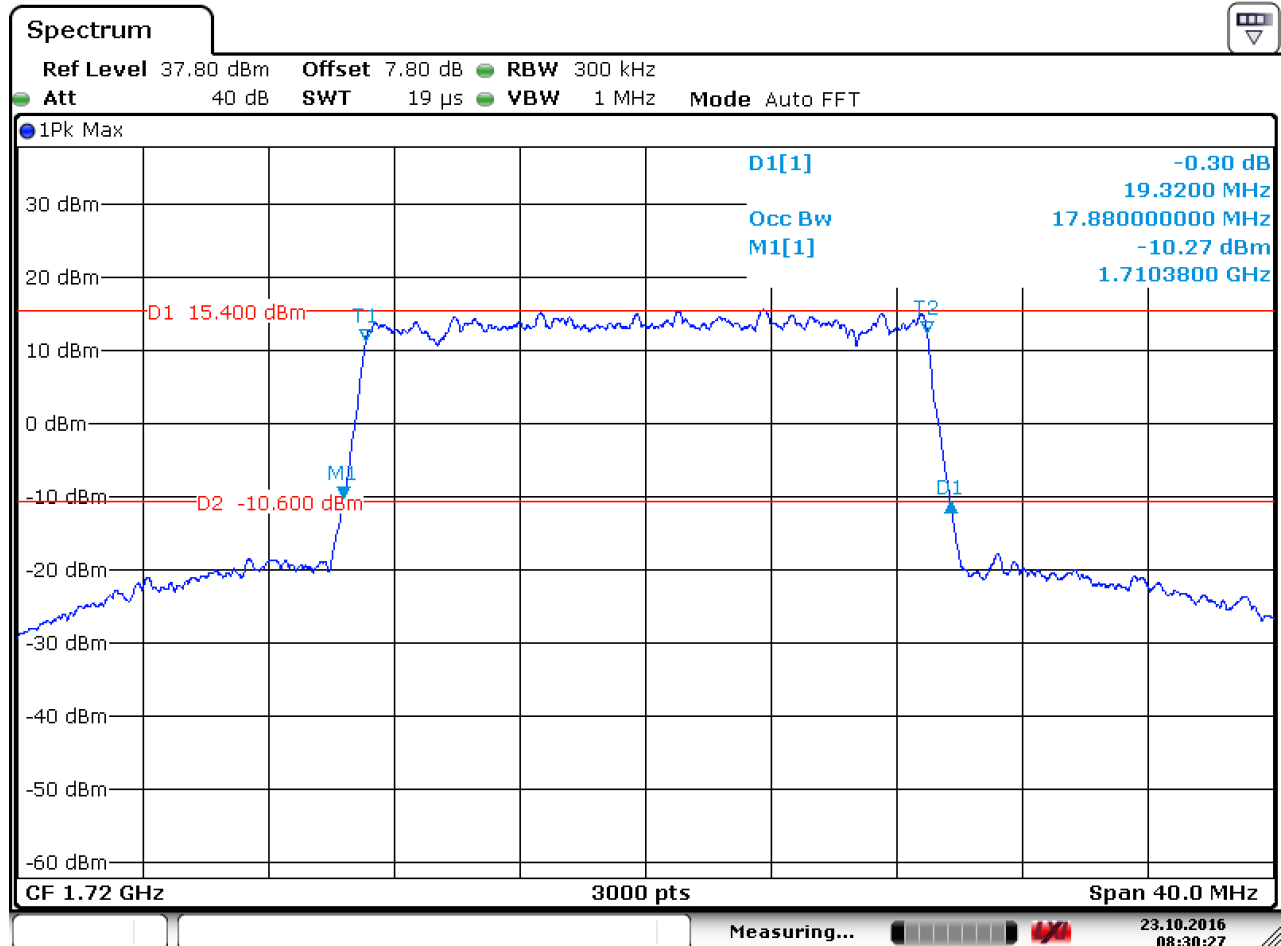
4.1.1.15.3 Test Channel = HCH



Date: 26.OCT.2016 10:32:41

4.1.1.16 Test Mode = LTE/TM1 20MHz

4.1.1.16.1 Test Channel = LCH

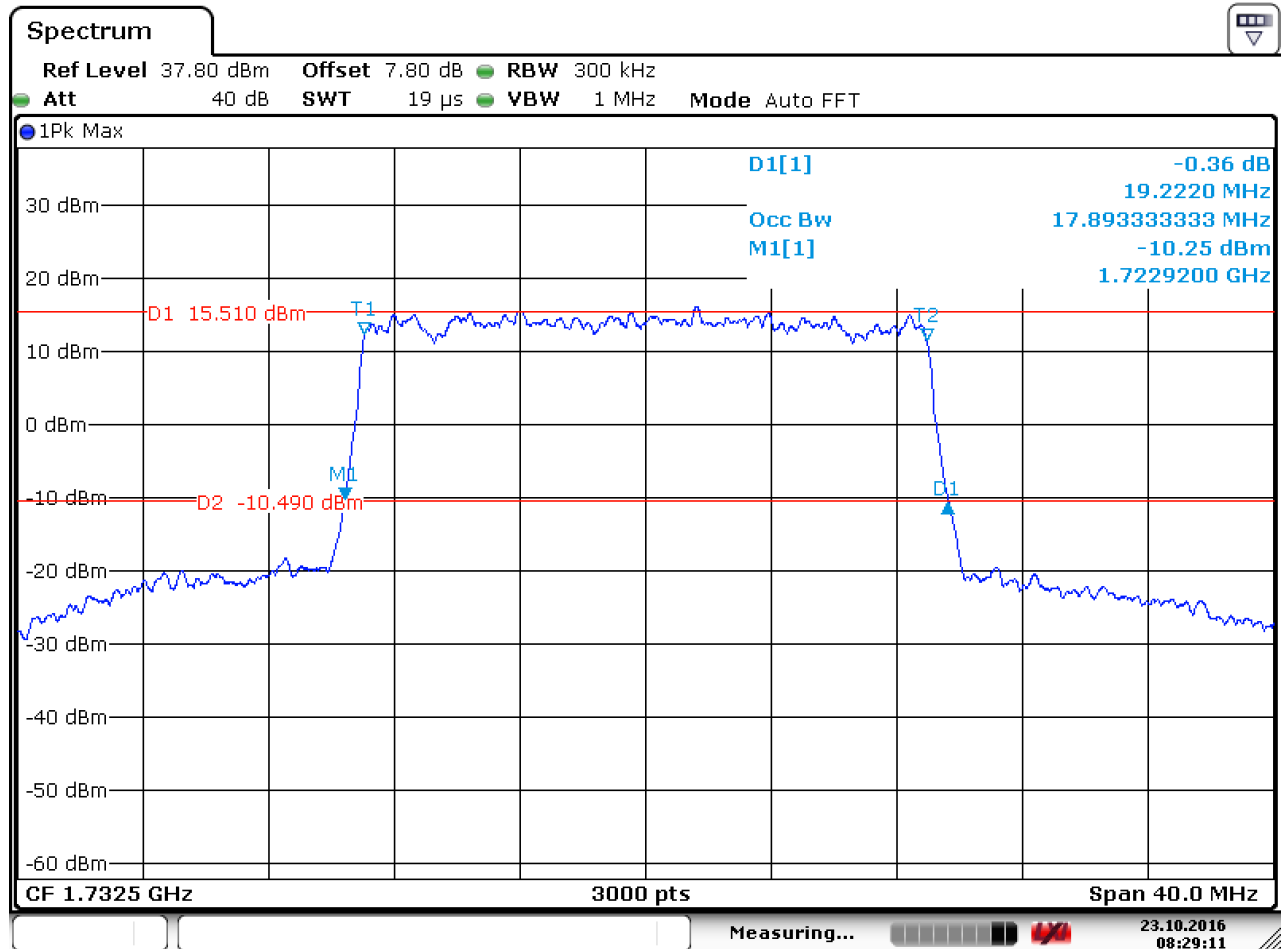


Date: 23.OCT.2016 08:30:28

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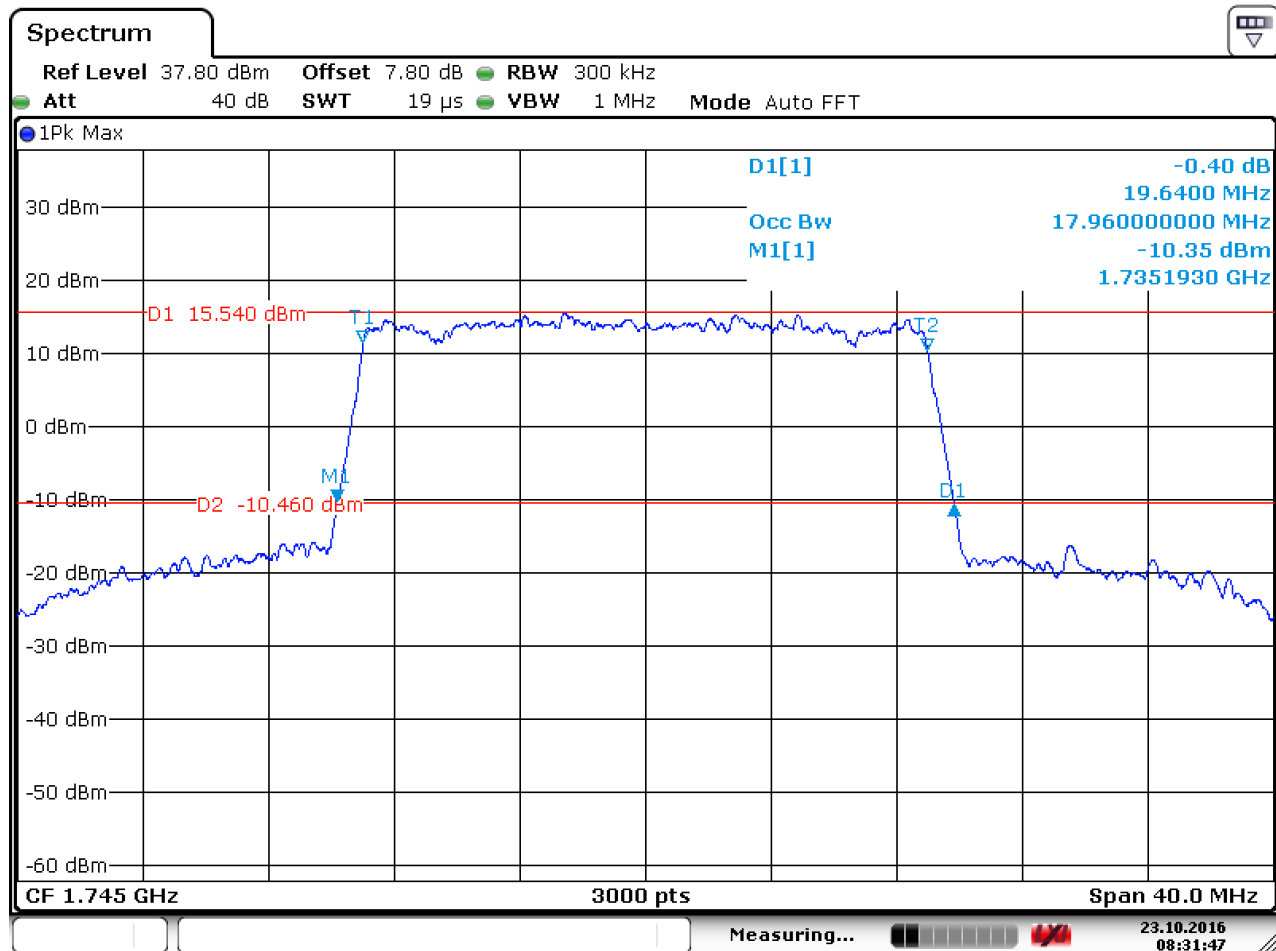
4.1.1.16.2 Test Channel = MCH



Date: 23.OCT.2016 08:29:12



4.1.1.16.3 Test Channel = HCH

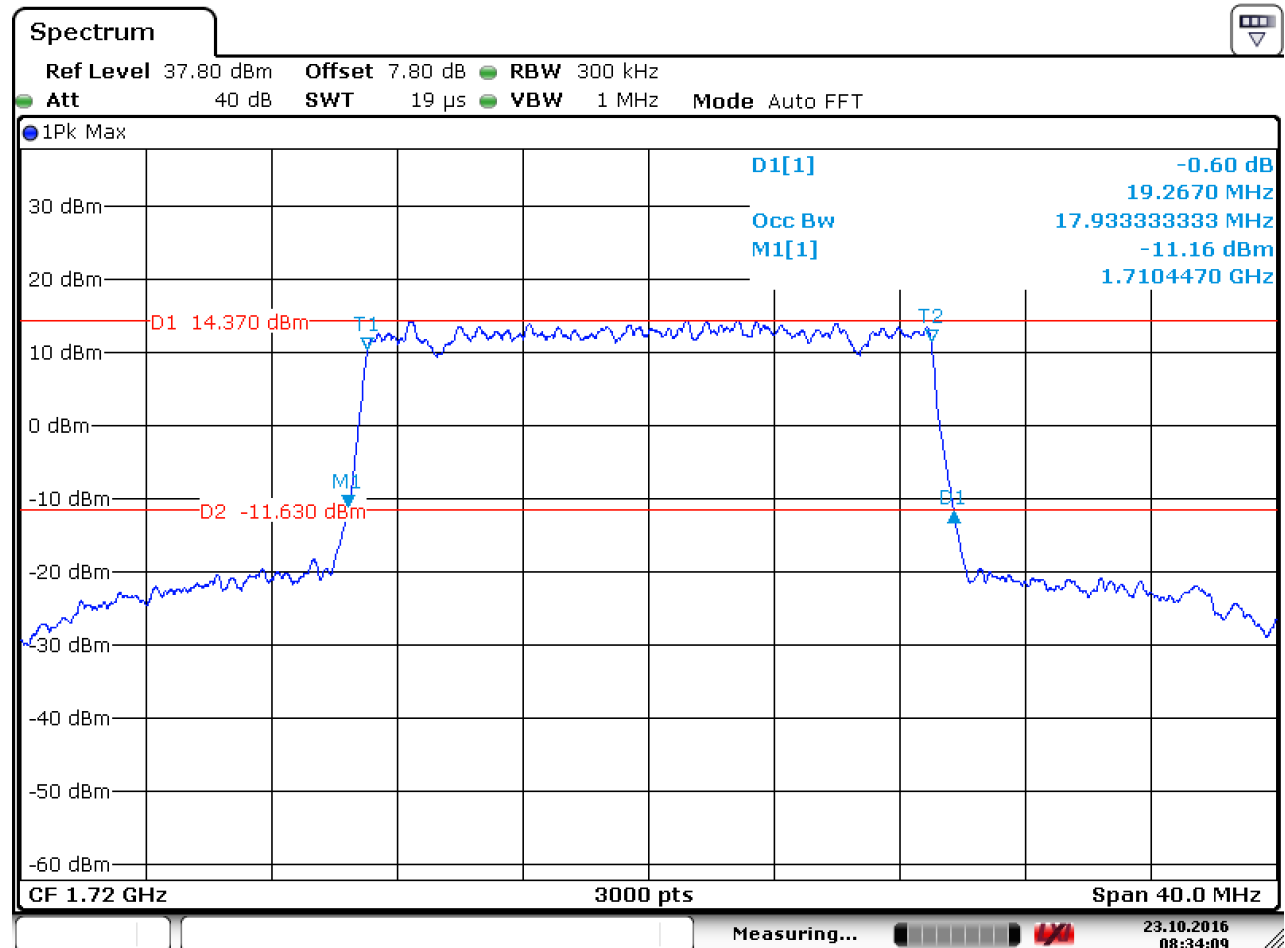


Date: 23.OCT.2016 08:31:48



4.1.1.17 Test Mode = LTE/TM2 20MHz

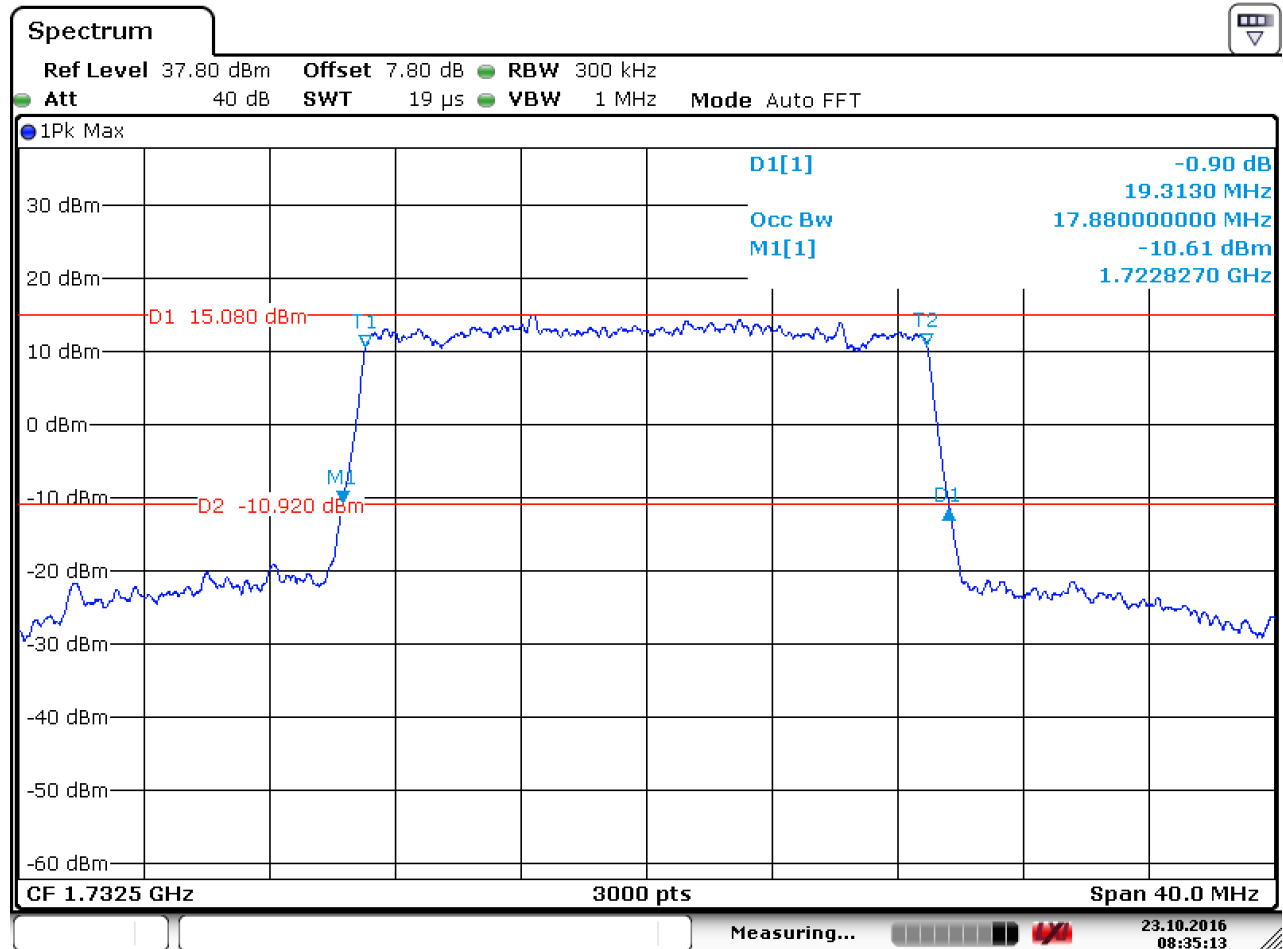
4.1.1.17.1 Test Channel = LCH



Date: 23.OCT.2016 08:34:10



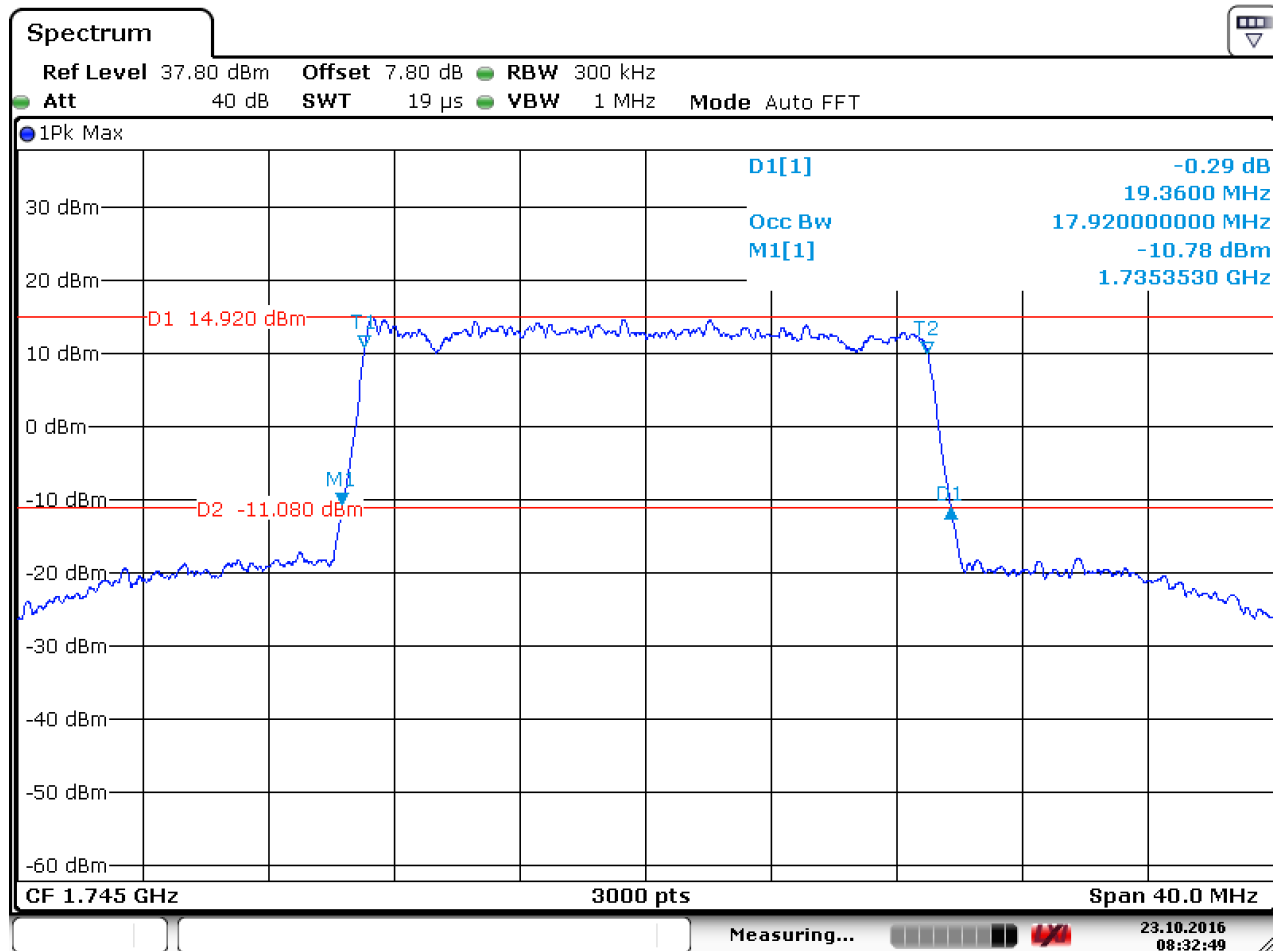
4.1.1.17.2 Test Channel = MCH



Date: 23.OCT.2016 08:35:13



4.1.1.17.3 Test Channel = HCH

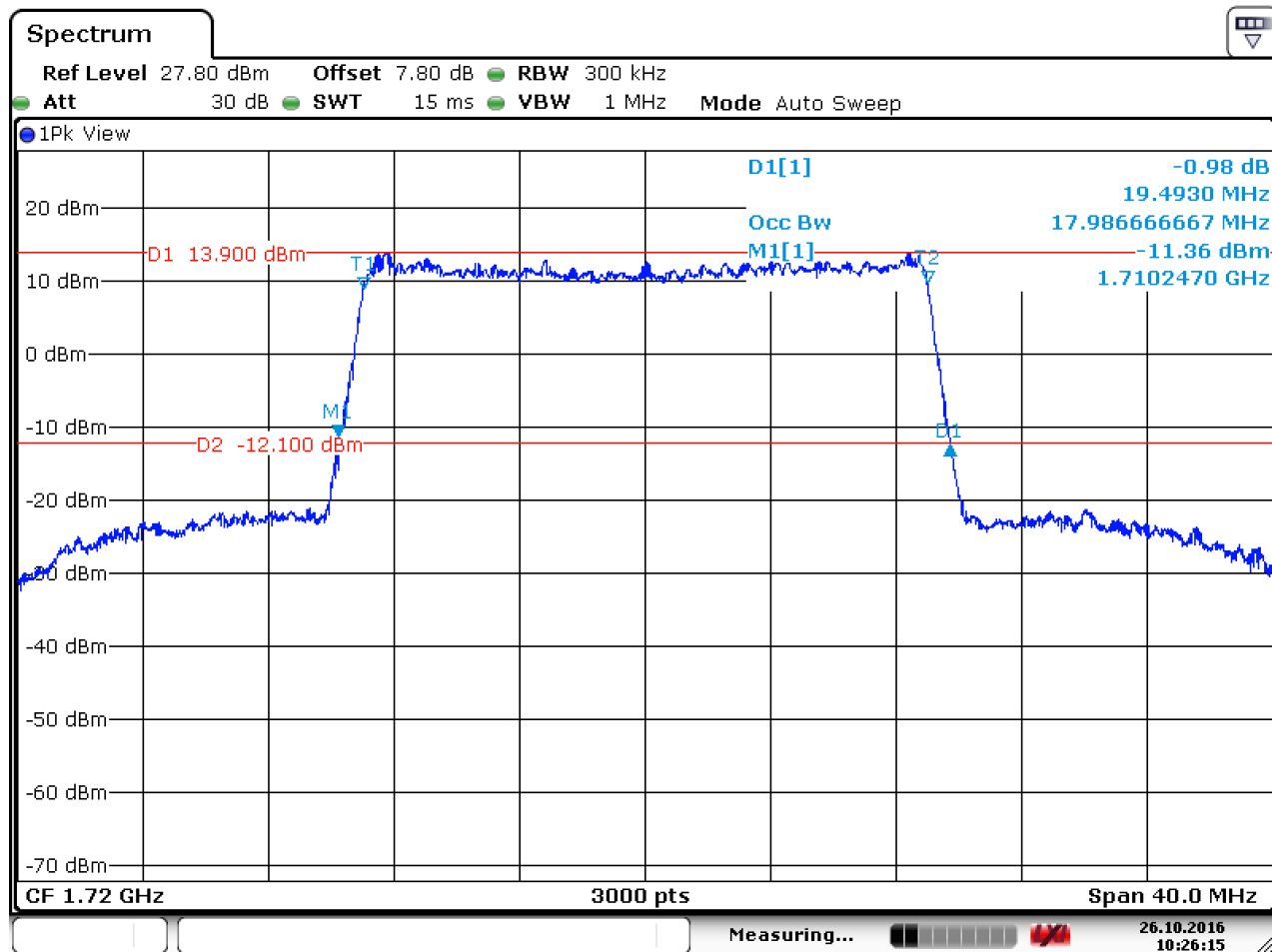


Date: 23.OCT.2016 08:32:49



4.1.1.18 Test Mode = LTE/TM3 20MHz

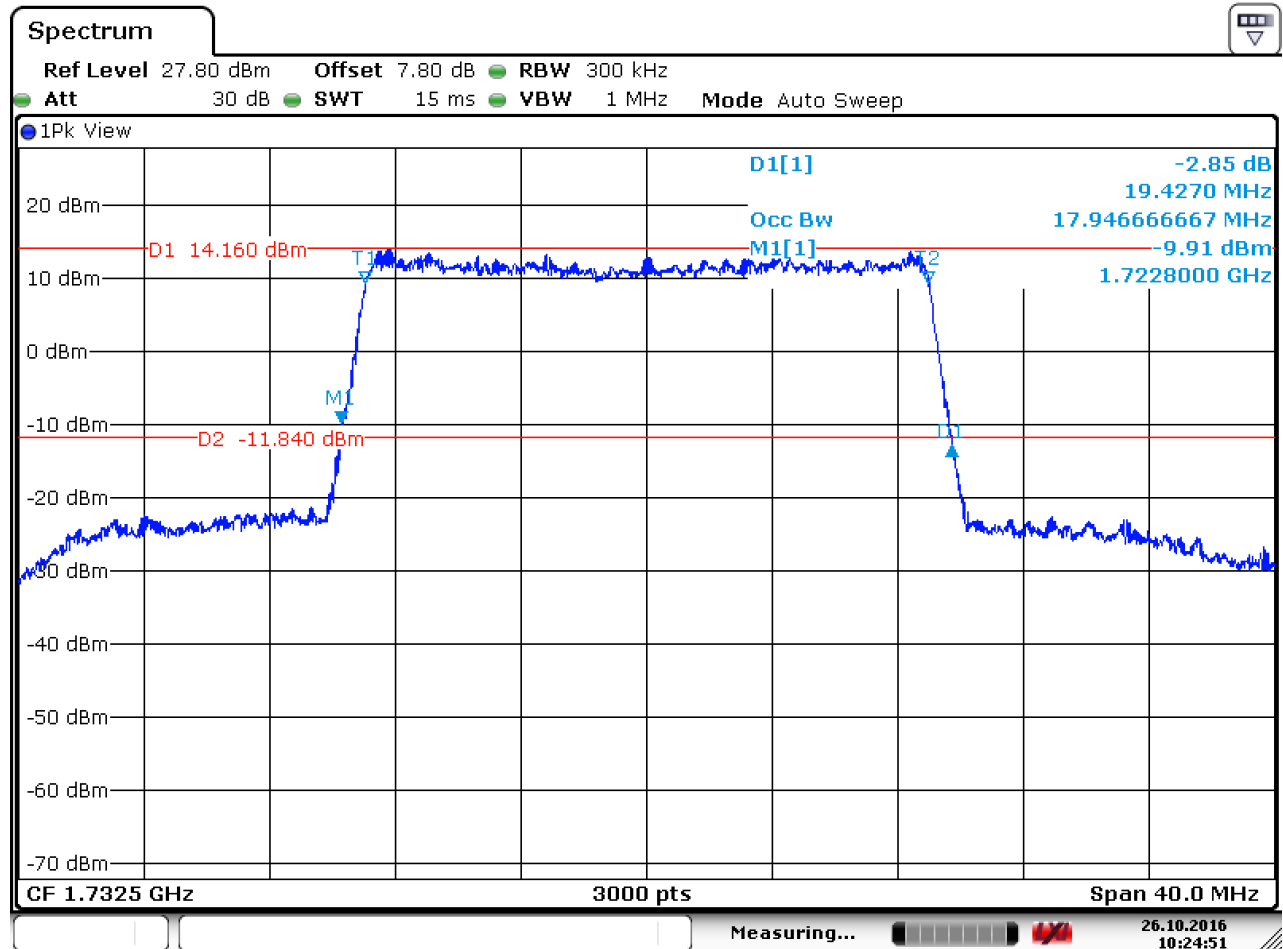
4.1.1.18.1 Test Channel = LCH



Date: 26.OCT.2016 10:26:15



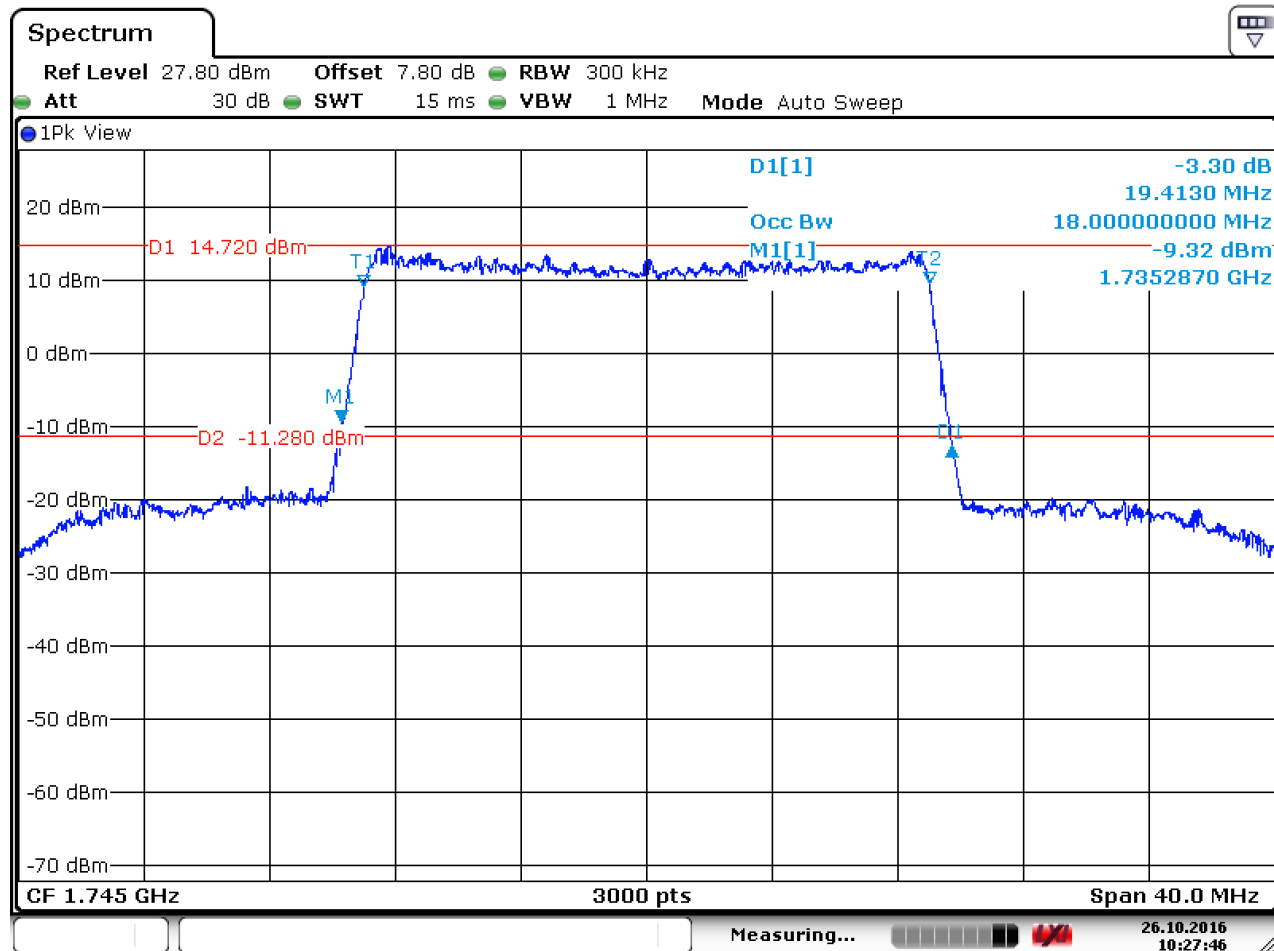
4.1.1.18.2 Test Channel = MCH



Date: 26.OCT.2016 10:24:51



4.1.1.18.3 Test Channel = HCH



Date: 26.OCT.2016 10:27:46



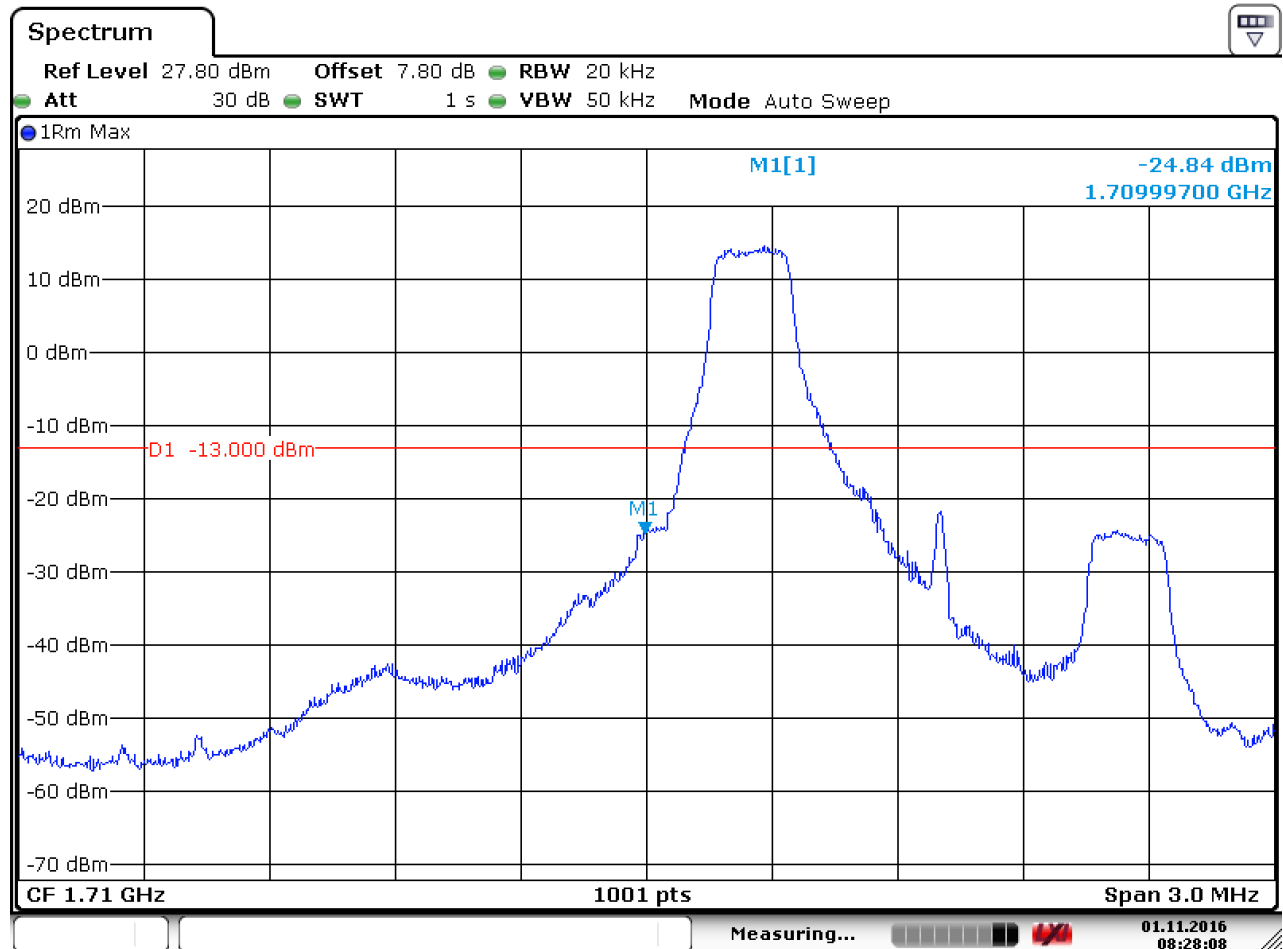
5 Band Edges Compliance

5.1.1 Test Band = LTE band 4

5.1.1.1 Test Mode = LTE/TM1 1.4MHz

5.1.1.1.1 Test Channel = LCH

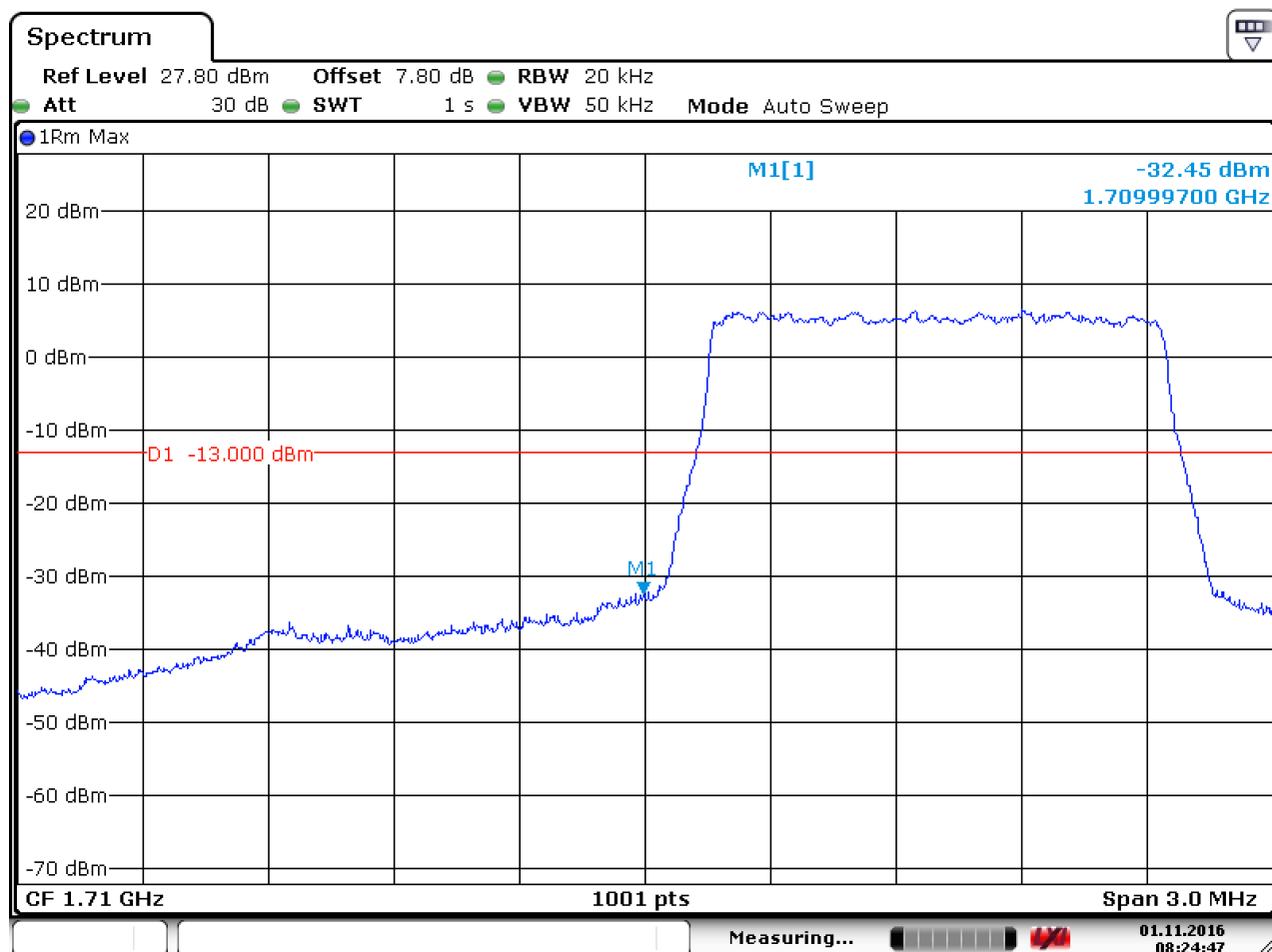
5.1.1.1.1.1 Test RB=1RB



Date: 1.NOV.2016 08:28:09



5.1.1.1.2 Test RB=6RB

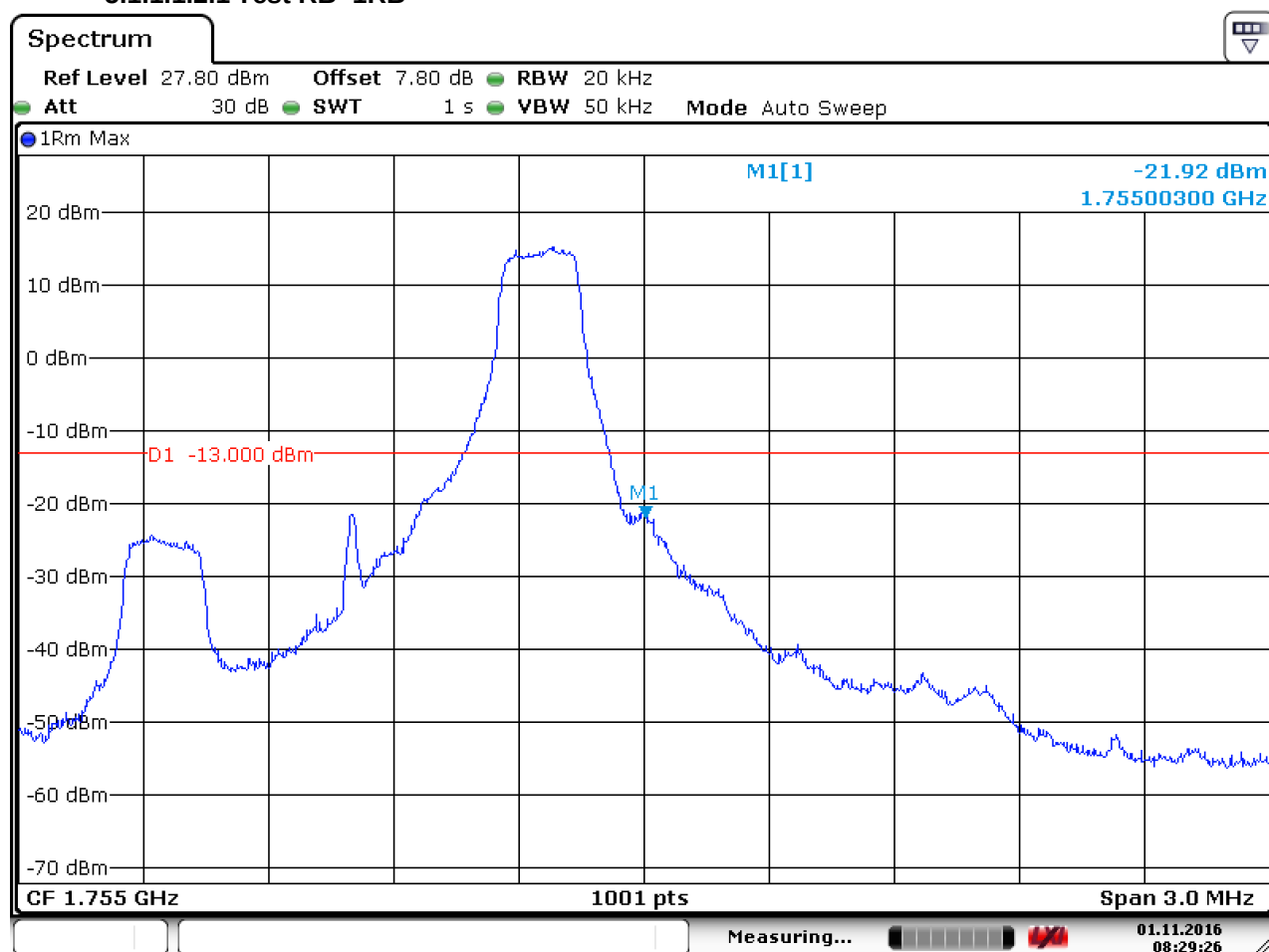


Date: 1.NOV.2016 08:24:48



5.1.1.1.2 Test Channel = HCH

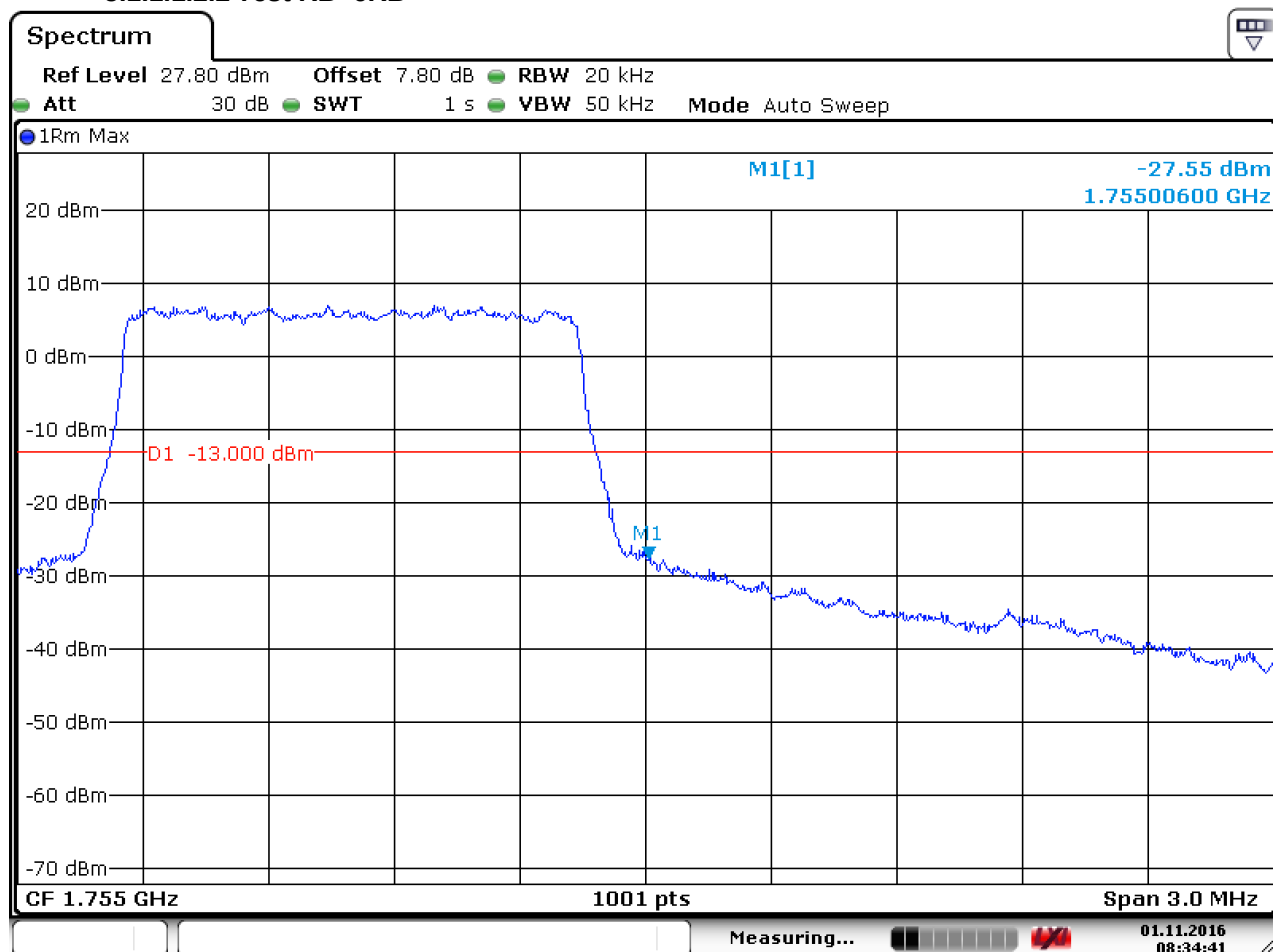
5.1.1.1.2.1 Test RB=1RB



Date: 1.NOV.2016 08:29:27



5.1.1.1.2.2 Test RB=6RB



Date: 1.NOV.2016 08:34:41