



# Appendix B

## E-UTRA Band 2



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# 1 Effective (Isotropic) Radiated Power Output Data

Effective Isotropic Radiated Power of Transmitter (EIRP) for LTE BAND 2

Main Supply:

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND2	LTE/TM1	1.4M	LCH	RB1#0	22.90	22.86	33.00	PASS
				RB1#2	22.99	22.98	33.00	PASS
				RB1#5	22.90	22.85	33.00	PASS
				RB3#0	23.01	22.99	33.00	PASS
				RB3#2	22.95	22.91	33.00	PASS
				RB3#3	22.99	22.94	33.00	PASS
				RB6#0	22.02	22.02	33.00	PASS
			MCH	RB1#0	23.05	23.01	33.00	PASS
				RB1#2	23.11	23.10	33.00	PASS
				RB1#5	23.05	23.02	33.00	PASS
				RB3#0	23.16	23.15	33.00	PASS
				RB3#2	23.13	23.12	33.00	PASS
				RB3#3	23.28	23.28	33.00	PASS
				RB6#0	22.17	22.16	33.00	PASS
			HCH	RB1#0	23.04	23.00	33.00	PASS
				RB1#2	23.23	23.18	33.00	PASS
				RB1#5	22.94	22.94	33.00	PASS
				RB3#0	23.18	23.16	33.00	PASS
				RB3#2	23.13	23.12	33.00	PASS
				RB3#3	23.16	23.15	33.00	PASS
				RB6#0	22.18	22.13	33.00	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND2	LTE/TM2	1.4M	LCH	RB1#0	22.19	22.15	33.00	PASS
				RB1#2	22.27	22.24	33.00	PASS
				RB1#5	22.17	22.16	33.00	PASS
				RB3#0	22.03	21.98	33.00	PASS
				RB3#2	21.97	21.96	33.00	PASS
				RB3#3	22.00	21.98	33.00	PASS
				RB6#0	21.11	21.06	33.00	PASS
			MCH	RB1#0	22.30	22.25	33.00	PASS
				RB1#2	22.40	22.38	33.00	PASS
				RB1#5	22.28	22.27	33.00	PASS
				RB3#0	22.15	22.11	33.00	PASS
				RB3#2	22.12	22.09	33.00	PASS
				RB3#3	22.12	22.08	33.00	PASS
				RB6#0	21.23	21.21	33.00	PASS
			HCH	RB1#0	22.32	22.30	33.00	PASS
				RB1#2	22.38	22.34	33.00	PASS
				RB1#5	22.32	22.29	33.00	PASS
				RB3#0	22.18	22.15	33.00	PASS
				RB3#2	22.15	22.10	33.00	PASS
				RB3#3	22.27	22.26	33.00	PASS
				RB6#0	21.25	21.24	33.00	PASS

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BAND2	LTE/TM1	3M	LCH	RB1#0	22.88	22.85	33.00	PASS
				RB1#7	22.90	22.88	33.00	PASS
				RB1#14	22.86	22.82	33.00	PASS
				RB8#0	22.04	22.02	33.00	PASS
				RB8#4	22.03	22.01	33.00	PASS
				RB8#7	22.01	21.99	33.00	PASS
				RB15#0	22.00	21.97	33.00	PASS
			MCH	RB1#0	23.04	22.99	33.00	PASS
				RB1#7	23.08	23.06	33.00	PASS
				RB1#14	23.00	22.97	33.00	PASS
				RB8#0	22.20	22.18	33.00	PASS
				RB8#4	22.17	22.16	33.00	PASS
				RB8#7	22.18	22.17	33.00	PASS
				RB15#0	22.18	22.15	33.00	PASS
			HCH	RB1#0	23.05	23.01	33.00	PASS
				RB1#7	23.07	23.02	33.00	PASS
				RB1#14	23.01	22.98	33.00	PASS
				RB8#0	22.20	22.19	33.00	PASS
				RB8#4	22.50	22.50	33.00	PASS
				RB8#7	22.08	22.04	33.00	PASS
				RB15#0	22.44	22.41	33.00	PASS

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BAND2	LTE/TM2	3M	LCH	RB1#0	22.21	22.21	33.00	PASS
				RB1#7	22.22	22.21	33.00	PASS
				RB1#14	22.19	22.18	33.00	PASS
				RB8#0	21.10	21.09	33.00	PASS
				RB8#4	21.09	21.08	33.00	PASS
				RB8#7	21.08	21.03	33.00	PASS
				RB15#0	21.04	21.00	33.00	PASS
			MCH	RB1#0	22.32	22.32	33.00	PASS
				RB1#7	22.36	22.33	33.00	PASS
				RB1#14	22.30	22.25	33.00	PASS
				RB8#0	21.27	21.25	33.00	PASS
				RB8#4	21.23	21.19	33.00	PASS
				RB8#7	21.25	21.24	33.00	PASS
				RB15#0	21.20	21.17	33.00	PASS
			HCH	RB1#0	22.36	22.33	33.00	PASS
				RB1#7	22.46	22.46	33.00	PASS
				RB1#14	22.43	22.38	33.00	PASS
				RB8#0	21.40	21.39	33.00	PASS
				RB8#4	21.26	21.23	33.00	PASS
				RB8#7	21.27	21.26	33.00	PASS
				RB15#0	21.20	21.17	33.00	PASS

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BAND2	LTE/TM1	5M	LCH	RB1#0	22.99	22.96	33.00	PASS
				RB1#13	22.97	22.96	33.00	PASS
				RB1#24	22.90	22.86	33.00	PASS
				RB12#0	22.10	22.07	33.00	PASS
				RB12#6	22.09	22.05	33.00	PASS
				RB12#13	22.08	22.05	33.00	PASS
				RB25#0	22.05	22.00	33.00	PASS
			MCH	RB1#0	23.16	23.14	33.00	PASS
				RB1#13	23.14	23.11	33.00	PASS
				RB1#24	23.06	23.04	33.00	PASS
				RB12#0	22.26	22.22	33.00	PASS
				RB12#6	22.25	22.23	33.00	PASS
				RB12#13	22.22	22.17	33.00	PASS
				RB25#0	22.22	22.18	33.00	PASS
			HCH	RB1#0	23.14	23.10	33.00	PASS
				RB1#13	23.04	23.00	33.00	PASS
				RB1#24	23.02	22.98	33.00	PASS
				RB12#0	22.29	22.24	33.00	PASS
				RB12#6	22.27	22.25	33.00	PASS
				RB12#13	22.27	22.26	33.00	PASS
				RB25#0	22.24	22.20	33.00	PASS

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BAND2	LTE/TM2	5M	LCH	RB1#0	22.30	22.25	33.00	PASS
				RB1#13	22.26	22.26	33.00	PASS
				RB1#24	22.20	22.18	33.00	PASS
				RB12#0	21.08	21.04	33.00	PASS
				RB12#6	21.07	21.02	33.00	PASS
				RB12#13	21.06	21.02	33.00	PASS
				RB25#0	21.04	21.03	33.00	PASS
			MCH	RB1#0	22.34	22.30	33.00	PASS
				RB1#13	22.36	22.35	33.00	PASS
				RB1#24	22.27	22.23	33.00	PASS
				RB12#0	21.25	21.23	33.00	PASS
				RB12#6	21.22	21.19	33.00	PASS
				RB12#13	21.20	21.17	33.00	PASS
				RB25#0	21.19	21.19	33.00	PASS
			HCH	RB1#0	22.43	22.39	33.00	PASS
				RB1#13	22.42	22.39	33.00	PASS
				RB1#24	22.36	22.32	33.00	PASS
				RB12#0	21.27	21.23	33.00	PASS
				RB12#6	21.26	21.23	33.00	PASS
				RB12#13	21.27	21.26	33.00	PASS
				RB25#0	21.23	21.19	33.00	PASS

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BAND2	LTE/TM1	10M	LCH	RB1#0	23.03	23.01	33.00	PASS
				RB1#25	22.97	22.93	33.00	PASS
				RB1#49	22.99	22.99	33.00	PASS
				RB25#0	22.07	22.06	33.00	PASS
				RB25#13	22.06	22.05	33.00	PASS
				RB25#25	22.06	22.03	33.00	PASS
				RB50#0	22.09	22.05	33.00	PASS
			MCH	RB1#0	23.17	23.17	33.00	PASS
				RB1#25	23.13	23.09	33.00	PASS
				RB1#49	23.12	23.08	33.00	PASS
				RB25#0	22.26	22.21	33.00	PASS
				RB25#13	22.21	22.17	33.00	PASS
				RB25#25	22.19	22.19	33.00	PASS
				RB50#0	22.27	22.27	33.00	PASS
			HCH	RB1#0	23.15	23.10	33.00	PASS
				RB1#25	23.32	23.31	33.00	PASS
				RB1#49	23.05	23.00	33.00	PASS
				RB25#0	22.29	22.27	33.00	PASS
				RB25#13	22.26	22.23	33.00	PASS
				RB25#25	22.24	22.22	33.00	PASS
				RB50#0	22.25	22.23	33.00	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND2	LTE/TM2	10M	LCH	RB1#0	22.36	22.33	33.00	PASS
				RB1#25	22.28	22.24	33.00	PASS
				RB1#49	22.29	22.26	33.00	PASS
				RB25#0	21.09	21.07	33.00	PASS
				RB25#13	21.06	21.03	33.00	PASS
				RB25#25	21.08	21.05	33.00	PASS
				RB50#0	21.1	21.08	33.00	PASS
			MCH	RB1#0	22.46	22.45	33.00	PASS
				RB1#25	22.38	22.33	33.00	PASS
				RB1#49	22.38	22.37	33.00	PASS
				RB25#0	21.24	21.20	33.00	PASS
				RB25#13	21.23	21.21	33.00	PASS
				RB25#25	21.2	21.15	33.00	PASS
				RB50#0	21.25	21.22	33.00	PASS
			HCH	RB1#0	22.46	22.46	33.00	PASS
				RB1#25	22.41	22.41	33.00	PASS
				RB1#49	22.44	22.44	33.00	PASS
				RB25#0	21.26	21.23	33.00	PASS
				RB25#13	21.25	21.25	33.00	PASS
				RB25#25	21.24	21.20	33.00	PASS
				RB50#0	21.26	21.24	33.00	PASS

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BAND2	LTE/TM1	15M	LCH	RB1#0	23.12	23.12	33.00	PASS
				RB1#38	23.05	23.04	33.00	PASS
				RB1#74	23.08	23.03	33.00	PASS
				RB36#0	22.17	22.12	33.00	PASS
				RB36#18	22.13	22.12	33.00	PASS
				RB36#39	22.18	22.14	33.00	PASS
				RB75#0	22.16	22.11	33.00	PASS
			MCH	RB1#0	23.23	23.19	33.00	PASS
				RB1#38	23.14	23.10	33.00	PASS
				RB1#74	23.13	23.13	33.00	PASS
				RB36#0	22.28	22.28	33.00	PASS
				RB36#18	22.26	22.24	33.00	PASS
				RB36#39	22.21	22.19	33.00	PASS
				RB75#0	22.25	22.22	33.00	PASS
			HCH	RB1#0	23.16	23.13	33.00	PASS
				RB1#38	23.12	23.08	33.00	PASS
				RB1#74	23.15	23.11	33.00	PASS
				RB36#0	22.44	22.41	33.00	PASS
				RB36#18	22.45	22.44	33.00	PASS
				RB36#39	22.46	22.42	33.00	PASS
				RB75#0	22.41	22.38	33.00	PASS

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BAND2	LTE/TM2	15M	LCH	RB1#0	22.4	22.40	33.00	PASS
				RB1#38	22.37	22.36	33.00	PASS
				RB1#74	22.36	22.34	33.00	PASS
				RB36#0	21.19	21.15	33.00	PASS
				RB36#18	21.15	21.10	33.00	PASS
				RB36#39	21.2	21.16	33.00	PASS
				RB75#0	21.17	21.15	33.00	PASS
			MCH	RB1#0	22.43	22.39	33.00	PASS
				RB1#38	22.36	22.32	33.00	PASS
				RB1#74	22.41	22.40	33.00	PASS
				RB36#0	21.29	21.25	33.00	PASS
				RB36#18	21.26	21.22	33.00	PASS
				RB36#39	21.22	21.18	33.00	PASS
				RB75#0	21.25	21.22	33.00	PASS
			HCH	RB1#0	22.45	22.45	33.00	PASS
				RB1#38	22.39	22.38	33.00	PASS
				RB1#74	22.47	22.42	33.00	PASS
				RB36#0	21.27	21.24	33.00	PASS
				RB36#18	21.28	21.27	33.00	PASS
				RB36#39	21.26	21.21	33.00	PASS
				RB75#0	21.26	21.24	33.00	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND2	LTE/TM1	20M	LCH	RB1#0	23.32	23.28	33.00	PASS
				RB1#50	23.12	23.11	33.00	PASS
				RB1#99	23.14	23.09	33.00	PASS
				RB50#0	22.34	22.34	33.00	PASS
				RB50#25	22.22	22.19	33.00	PASS
				RB50#50	22.25	22.20	33.00	PASS
				RB100#0	22.28	22.26	33.00	PASS
			MCH	RB1#0	23.21	23.17	33.00	PASS
				RB1#50	23.18	23.14	33.00	PASS
				RB1#99	23.18	23.15	33.00	PASS
				RB50#0	22.3	22.28	33.00	PASS
				RB50#25	22.25	22.21	33.00	PASS
				RB50#50	22.27	22.23	33.00	PASS
				RB100#0	22.23	22.20	33.00	PASS
			HCH	RB1#0	23.26	23.24	33.00	PASS
				RB1#50	23.16	23.16	33.00	PASS
				RB1#99	23.2	23.16	33.00	PASS
				RB50#0	22.28	22.27	33.00	PASS
				RB50#25	22.26	22.25	33.00	PASS
				RB50#50	22.28	22.26	33.00	PASS
				RB100#0	22.27	22.27	33.00	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND2	LTE/TM2	20M	LCH	RB1#0	22.48	22.47	33.00	PASS
				RB1#50	22.42	22.41	33.00	PASS
				RB1#99	22.47	22.44	33.00	PASS
				RB50#0	21.24	21.20	33.00	PASS
				RB50#25	21.22	21.21	33.00	PASS
				RB50#50	21.26	21.23	33.00	PASS
				RB100#0	21.24	21.22	33.00	PASS
			MCH	RB1#0	22.49	22.49	33.00	PASS
				RB1#50	22.42	22.38	33.00	PASS
				RB1#99	22.45	22.44	33.00	PASS
				RB50#0	21.35	21.33	33.00	PASS
				RB50#25	21.32	21.32	33.00	PASS
				RB50#50	21.27	21.25	33.00	PASS
				RB100#0	21.29	21.28	33.00	PASS
			HCH	RB1#0	22.44	22.39	33.00	PASS
				RB1#50	22.43	22.38	33.00	PASS
				RB1#99	22.48	22.45	33.00	PASS
				RB50#0	21.31	21.27	33.00	PASS
				RB50#25	21.28	21.25	33.00	PASS
				RB50#50	21.3	21.25	33.00	PASS
				RB100#0	21.29	21.27	33.00	PASS

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**Secondary Supply:**

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND2	LTE/TM1	1.4M	LCH	RB1#0	22.79	20.43	33.00	PASS
				RB1#2	22.84	20.48	33.00	PASS
				RB1#5	22.80	20.47	33.00	PASS
				RB3#0	22.94	20.64	33.00	PASS
				RB3#2	22.82	20.37	33.00	PASS
				RB3#3	22.87	20.46	33.00	PASS
				RB6#0	21.84	19.47	33.00	PASS
			MCH	RB1#0	22.63	20.22	33.00	PASS
				RB1#2	22.71	20.37	33.00	PASS
				RB1#5	22.65	20.24	33.00	PASS
				RB3#0	22.75	20.43	33.00	PASS
				RB3#2	22.74	20.37	33.00	PASS
				RB3#3	22.67	20.36	33.00	PASS
				RB6#0	21.72	19.37	33.00	PASS
			HCH	RB1#0	22.73	20.36	33.00	PASS
				RB1#2	22.79	20.38	33.00	PASS
				RB1#5	22.70	20.34	33.00	PASS
				RB3#0	22.78	20.46	33.00	PASS
				RB3#2	22.70	20.33	33.00	PASS
				RB3#3	22.78	20.37	33.00	PASS
				RB6#0	21.77	19.44	33.00	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND2	LTE/TM2	1.4M	LCH	RB1#0	22.23	19.78	33.00	PASS
				RB1#2	22.23	19.87	33.00	PASS
				RB1#5	22.00	19.65	33.00	PASS
				RB3#0	22.02	19.70	33.00	PASS
				RB3#2	21.79	19.37	33.00	PASS
				RB3#3	21.79	19.48	33.00	PASS
				RB6#0	21.04	18.73	33.00	PASS
			MCH	RB1#0	21.86	19.42	33.00	PASS
				RB1#2	21.52	19.08	33.00	PASS
				RB1#5	21.44	19.08	33.00	PASS
				RB3#0	21.70	19.29	33.00	PASS
				RB3#2	21.63	19.29	33.00	PASS
				RB3#3	21.67	19.30	33.00	PASS
				RB6#0	20.80	18.46	33.00	PASS
			HCH	RB1#0	22.16	19.75	33.00	PASS
				RB1#2	21.80	19.39	33.00	PASS
				RB1#5	21.64	19.29	33.00	PASS
				RB3#0	21.84	19.50	33.00	PASS
				RB3#2	21.58	19.13	33.00	PASS
				RB3#3	21.63	19.31	33.00	PASS
				RB6#0	20.81	18.45	33.00	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND2	LTE/TM1	3M	LCH	RB1#0	22.74	20.31	33.00	PASS
				RB1#7	22.83	20.41	33.00	PASS
				RB1#14	22.77	20.35	33.00	PASS
				RB8#0	21.84	19.52	33.00	PASS
				RB8#4	21.84	19.49	33.00	PASS
				RB8#7	21.83	19.52	33.00	PASS
				RB15#0	21.82	19.38	33.00	PASS
			MCH	RB1#0	22.58	20.14	33.00	PASS
				RB1#7	22.65	20.34	33.00	PASS
				RB1#14	22.63	20.25	33.00	PASS
				RB8#0	21.74	19.33	33.00	PASS
				RB8#4	21.76	19.37	33.00	PASS
				RB8#7	21.74	19.34	33.00	PASS
				RB15#0	21.7	19.35	33.00	PASS
			HCH	RB1#0	22.56	20.14	33.00	PASS
				RB1#7	22.69	20.27	33.00	PASS
				RB1#14	22.61	20.22	33.00	PASS
				RB8#0	21.73	19.31	33.00	PASS
				RB8#4	21.76	19.43	33.00	PASS
				RB8#7	21.69	19.31	33.00	PASS
				RB15#0	21.76	19.36	33.00	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND2	LTE/TM2	3M	LCH	RB1#0	21.94	19.56	33.00	PASS
				RB1#7	21.94	19.51	33.00	PASS
				RB1#14	22.51	20.20	33.00	PASS
				RB8#0	20.77	18.39	33.00	PASS
				RB8#4	20.83	18.41	33.00	PASS
				RB8#7	20.83	18.46	33.00	PASS
				RB15#0	20.84	18.52	33.00	PASS
			MCH	RB1#0	22.27	19.96	33.00	PASS
				RB1#7	22.01	19.66	33.00	PASS
				RB1#14	21.70	19.33	33.00	PASS
				RB8#0	20.66	18.24	33.00	PASS
				RB8#4	20.69	18.29	33.00	PASS
				RB8#7	20.76	18.35	33.00	PASS
				RB15#0	20.66	18.35	33.00	PASS
			HCH	RB1#0	22.43	20.12	33.00	PASS
				RB1#7	21.70	19.30	33.00	PASS
				RB1#14	22.16	19.84	33.00	PASS
				RB8#0	20.88	18.56	33.00	PASS
				RB8#4	20.79	18.46	33.00	PASS
				RB8#7	20.80	18.48	33.00	PASS
				RB15#0	20.81	18.49	33.00	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND2	LTE/TM1	5M	LCH	RB1#0	22.77	20.32	33.00	PASS
				RB1#13	22.73	20.41	33.00	PASS
				RB1#24	22.73	20.28	33.00	PASS
				RB12#0	21.91	19.56	33.00	PASS
				RB12#6	21.87	19.50	33.00	PASS
				RB12#13	21.83	19.50	33.00	PASS
				RB25#0	21.84	19.42	33.00	PASS
			MCH	RB1#0	22.80	20.42	33.00	PASS
				RB1#13	22.68	20.36	33.00	PASS
				RB1#24	22.58	20.18	33.00	PASS
				RB12#0	21.77	19.42	33.00	PASS
				RB12#6	21.70	19.37	33.00	PASS
				RB12#13	21.77	19.40	33.00	PASS
				RB25#0	21.72	19.39	33.00	PASS
			HCH	RB1#0	22.81	20.42	33.00	PASS
				RB1#13	22.85	20.45	33.00	PASS
				RB1#24	22.58	20.27	33.00	PASS
				RB12#0	21.79	19.47	33.00	PASS
				RB12#6	21.78	19.35	33.00	PASS
				RB12#13	21.78	19.35	33.00	PASS
				RB25#0	21.75	19.31	33.00	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND2	LTE/TM2	5M	LCH	RB1#0	22.00	19.69	33.00	PASS
				RB1#13	22.18	19.76	33.00	PASS
				RB1#24	22.02	19.62	33.00	PASS
				RB12#0	20.96	18.63	33.00	PASS
				RB12#6	20.84	18.42	33.00	PASS
				RB12#13	20.89	18.58	33.00	PASS
				RB25#0	20.87	18.52	33.00	PASS
			MCH	RB1#0	22.30	19.92	33.00	PASS
				RB1#13	21.91	19.54	33.00	PASS
				RB1#24	21.83	19.49	33.00	PASS
				RB12#0	20.73	18.36	33.00	PASS
				RB12#6	20.76	18.40	33.00	PASS
				RB12#13	20.77	18.33	33.00	PASS
				RB25#0	20.77	18.36	33.00	PASS
			HCH	RB1#0	22.38	20.04	33.00	PASS
				RB1#13	22.41	19.97	33.00	PASS
				RB1#24	21.51	19.12	33.00	PASS
				RB12#0	20.72	18.33	33.00	PASS
				RB12#6	20.81	18.49	33.00	PASS
				RB12#13	20.85	18.48	33.00	PASS
				RB25#0	20.73	18.29	33.00	PASS

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BAND2	LTE/TM1	10M	LCH	RB1#0	22.55	20.18	33.00	PASS
				RB1#25	22.36	20.01	33.00	PASS
				RB1#49	22.38	19.93	33.00	PASS
				RB25#0	21.50	19.12	33.00	PASS
				RB25#13	21.49	19.12	33.00	PASS
				RB25#25	21.45	19.05	33.00	PASS
				RB50#0	21.50	19.16	33.00	PASS
			MCH	RB1#0	22.43	20.00	33.00	PASS
				RB1#25	22.36	20.02	33.00	PASS
				RB1#49	22.39	20.00	33.00	PASS
				RB25#0	21.36	18.94	33.00	PASS
				RB25#13	21.39	18.94	33.00	PASS
				RB25#25	21.35	18.99	33.00	PASS
				RB50#0	21.39	18.94	33.00	PASS
			HCH	RB1#0	22.34	19.91	33.00	PASS
				RB1#25	22.24	19.83	33.00	PASS
				RB1#49	22.24	19.91	33.00	PASS
				RB25#0	22.35	20.03	33.00	PASS
				RB25#13	21.43	19.10	33.00	PASS
				RB25#25	21.33	18.97	33.00	PASS
				RB50#0	21.36	19.02	33.00	PASS

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Shenzhen Branch**

Report No.: SZEM170900995904

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND2	LTE/TM2	10M	LCH	RB1#0	21.80	19.47	33.00	PASS
				RB1#25	21.65	19.28	33.00	PASS
				RB1#49	21.47	19.14	33.00	PASS
				RB25#0	20.58	18.14	33.00	PASS
				RB25#13	20.37	17.96	33.00	PASS
				RB25#25	20.42	18.04	33.00	PASS
				RB50#0	20.51	18.13	33.00	PASS
			MCH	RB1#0	21.14	18.71	33.00	PASS
				RB1#25	21.09	18.65	33.00	PASS
				RB1#49	21.37	19.01	33.00	PASS
				RB25#0	20.42	18.10	33.00	PASS
				RB25#13	20.01	17.58	33.00	PASS
				RB25#25	20.84	18.52	33.00	PASS
				RB50#0	20.72	18.28	33.00	PASS
			HCH	RB1#0	21.47	19.06	33.00	PASS
				RB1#25	21.59	19.28	33.00	PASS
				RB1#49	21.34	18.92	33.00	PASS
				RB25#0	20.65	18.33	33.00	PASS
				RB25#13	21.16	18.83	33.00	PASS
				RB25#25	20.79	18.39	33.00	PASS
				RB50#0	20.69	18.29	33.00	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND2	LTE/TM1	15M	LCH	RB1#0	22.88	20.49	33.00	PASS
				RB1#38	22.82	20.45	33.00	PASS
				RB1#74	22.74	20.29	33.00	PASS
				RB36#0	22.08	19.69	33.00	PASS
				RB36#18	22.35	19.99	33.00	PASS
				RB36#39	22.34	19.97	33.00	PASS
				RB75#0	22.06	19.62	33.00	PASS
			MCH	RB1#0	22.80	20.48	33.00	PASS
				RB1#38	22.65	20.24	33.00	PASS
				RB1#74	22.77	20.45	33.00	PASS
				RB36#0	21.83	19.42	33.00	PASS
				RB36#18	21.75	19.43	33.00	PASS
				RB36#39	21.80	19.46	33.00	PASS
				RB75#0	21.79	19.34	33.00	PASS
			HCH	RB1#0	22.69	20.29	33.00	PASS
				RB1#38	22.63	20.19	33.00	PASS
				RB1#74	22.68	20.31	33.00	PASS
				RB36#0	21.77	19.46	33.00	PASS
				RB36#18	21.72	19.34	33.00	PASS
				RB36#39	21.73	19.36	33.00	PASS
				RB75#0	21.77	19.38	33.00	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND2	LTE/TM2	15M	LCH	RB1#0	22.08	19.71	33.00	PASS
				RB1#38	22.10	19.71	33.00	PASS
				RB1#74	21.99	19.54	33.00	PASS
				RB36#0	20.90	18.59	33.00	PASS
				RB36#18	20.90	18.54	33.00	PASS
				RB36#39	20.81	18.50	33.00	PASS
				RB75#0	20.86	18.54	33.00	PASS
			MCH	RB1#0	21.55	19.16	33.00	PASS
				RB1#38	21.76	19.31	33.00	PASS
				RB1#74	21.68	19.27	33.00	PASS
				RB36#0	20.83	18.44	33.00	PASS
				RB36#18	20.73	18.40	33.00	PASS
				RB36#39	20.81	18.48	33.00	PASS
				RB75#0	20.74	18.41	33.00	PASS
			HCH	RB1#0	22.09	19.77	33.00	PASS
				RB1#38	21.51	19.11	33.00	PASS
				RB1#74	21.52	19.17	33.00	PASS
				RB36#0	20.73	18.39	33.00	PASS
				RB36#18	20.74	18.31	33.00	PASS
				RB36#39	20.75	18.34	33.00	PASS
				RB75#0	20.76	18.43	33.00	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND2	LTE/TM1	20M	LCH	RB1#0	23.20	20.90	33.00	PASS
				RB1#50	23.15	20.76	33.00	PASS
				RB1#99	22.71	20.40	33.00	PASS
				RB50#0	21.94	19.57	33.00	PASS
				RB50#25	21.88	19.52	33.00	PASS
				RB50#50	21.88	19.53	33.00	PASS
				RB100#0	21.88	19.49	33.00	PASS
			MCH	RB1#0	22.87	20.47	33.00	PASS
				RB1#50	22.76	20.45	33.00	PASS
				RB1#99	22.86	20.49	33.00	PASS
				RB50#0	21.82	19.51	33.00	PASS
				RB50#25	21.77	19.43	33.00	PASS
				RB50#50	21.80	19.48	33.00	PASS
				RB100#0	21.76	19.34	33.00	PASS
			HCH	RB1#0	22.84	20.40	33.00	PASS
				RB1#50	22.73	20.38	33.00	PASS
				RB1#99	22.59	20.18	33.00	PASS
				RB50#0	21.78	19.36	33.00	PASS
				RB50#25	21.77	19.38	33.00	PASS
				RB50#50	21.74	19.33	33.00	PASS
				RB100#0	21.76	19.42	33.00	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
BAND2	LTE/TM2	20M	LCH	RB1#0	21.71	19.31	33.00	PASS
				RB1#50	22.39	20.01	33.00	PASS
				RB1#99	21.87	19.43	33.00	PASS
				RB50#0	20.90	18.57	33.00	PASS
				RB50#25	20.85	18.40	33.00	PASS
				RB50#50	20.85	18.46	33.00	PASS
				RB100#0	20.87	18.52	33.00	PASS
			MCH	RB1#0	21.57	19.17	33.00	PASS
				RB1#50	21.90	19.57	33.00	PASS
				RB1#99	22.11	19.69	33.00	PASS
				RB50#0	20.83	18.43	33.00	PASS
				RB50#25	20.72	18.31	33.00	PASS
				RB50#50	20.80	18.42	33.00	PASS
				RB100#0	20.75	18.45	33.00	PASS
			HCH	RB1#0	21.56	19.14	33.00	PASS
				RB1#50	21.42	18.99	33.00	PASS
				RB1#99	22.25	19.89	33.00	PASS
				RB50#0	20.75	18.42	33.00	PASS
				RB50#25	20.72	18.27	33.00	PASS
				RB50#50	20.73	18.34	33.00	PASS
				RB100#0	20.73	18.35	33.00	PASS

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 2	TM1/20M	LCH	5.83	13	PASS
		MCH	5.25	13	PASS
		HCH	5.25	13	PASS
	TM2/20M	LCH	6.41	13	PASS
		MCH	6.17	13	PASS
		HCH	6.17	13	PASS



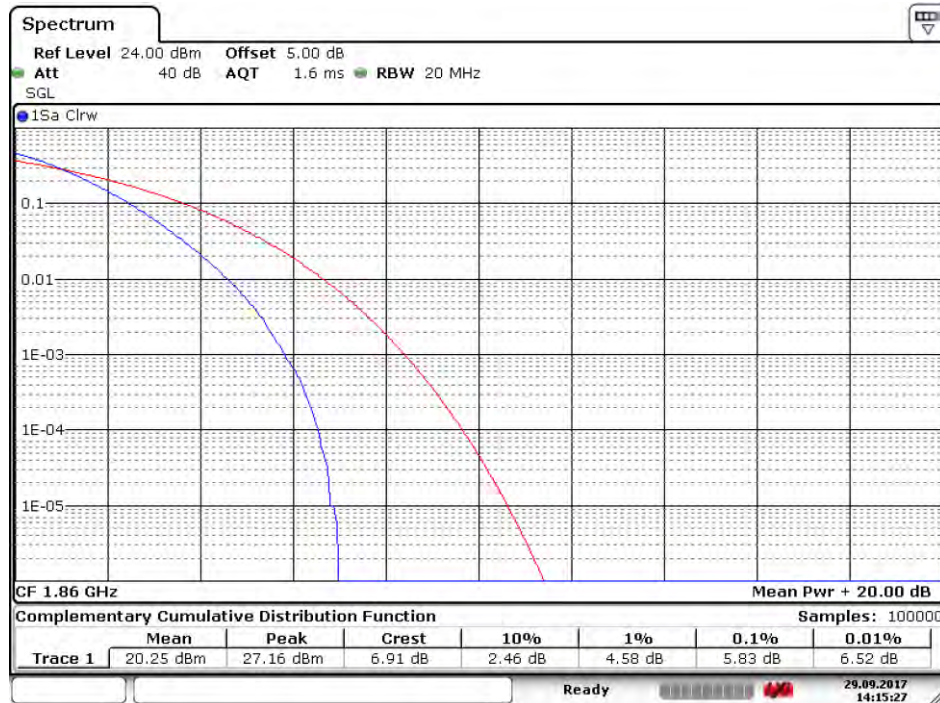
**Part II - Test Plots**

**2.1 For LTE**

**2.1.1 Test Band = LTE band2**

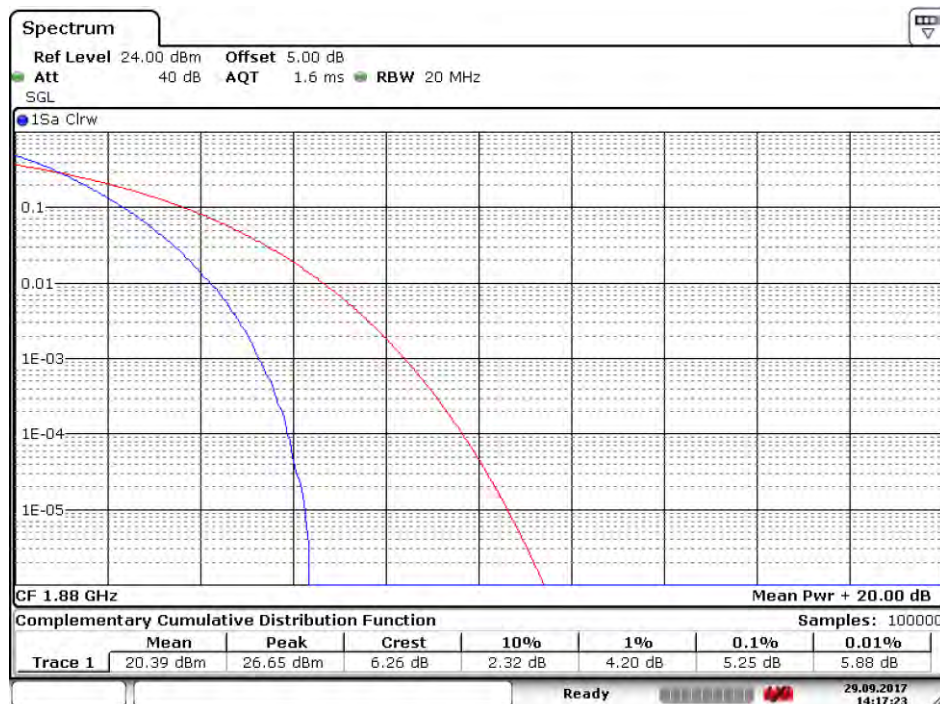
**2.1.1.1 Test Mode = LTE/TM1.Bandwidth=20MHz**

**2.1.1.1.1 Test Channel = LCH**



Date: 29.SEP.2017 14:15:27

**2.1.1.1.2 Test Channel = MCH**



Date: 29.SEP.2017 14:17:23

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**2.1.1.1.3 Test Channel = HCH**



Date: 29.SEP.2017 14:17:44

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

**2.1.1.2.1 Test Channel = LCH**

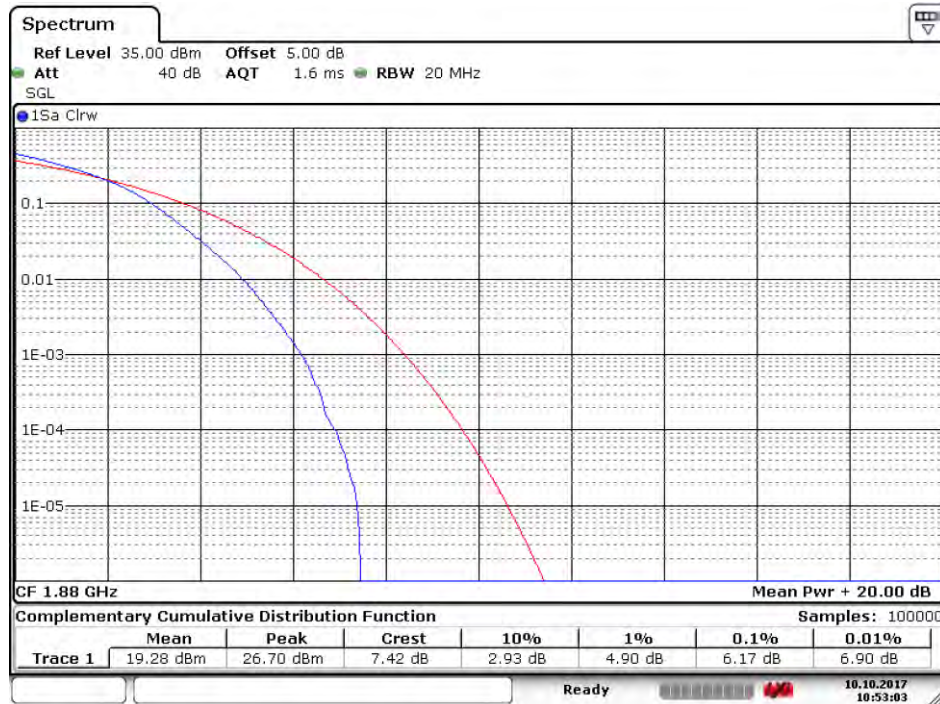


Date: 10.OCT.2017 10:54:19

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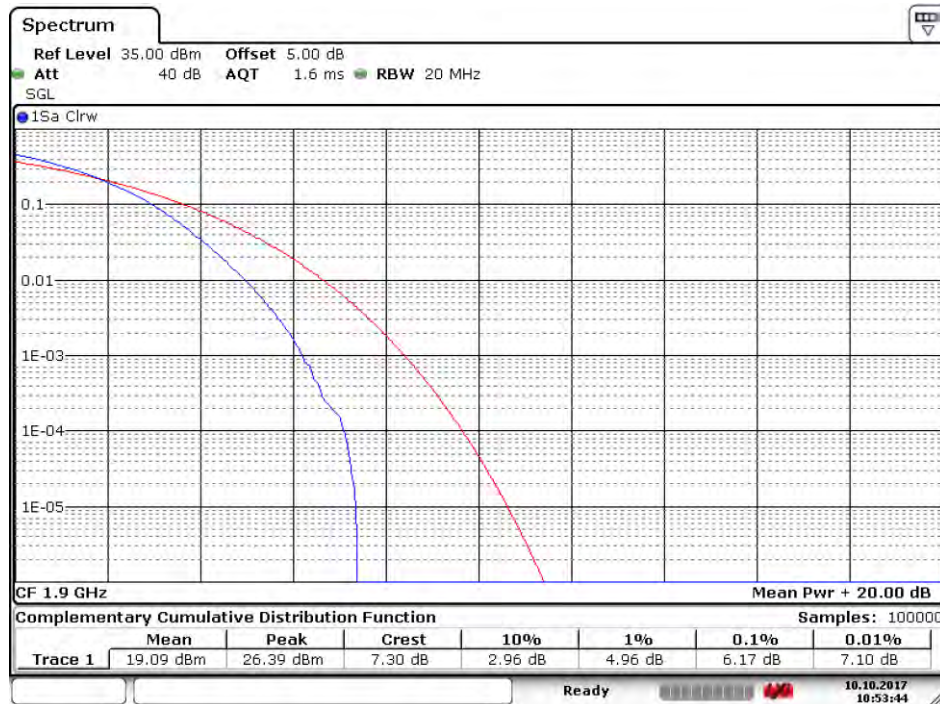


2.1.1.2.2 Test Channel = MCH



Date: 10.OCT.2017 10:53:03

2.1.1.2.3 Test Channel = HCH



Date: 10.OCT.2017 10:53:44



### 3 Modulation Characteristics

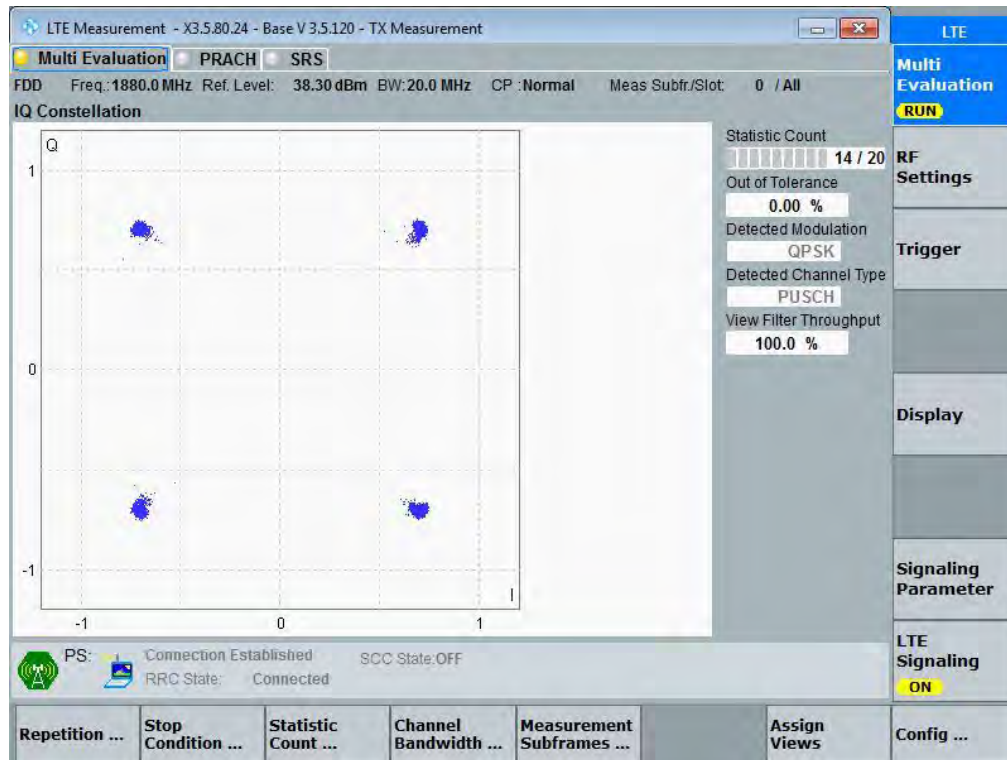
#### Part I - Test Plots

#### 3.1 For LTE

##### 3.1.1 Test Band = LTE band2

##### 3.1.1.1 Test Mode = LTE /TM1 20MHz

##### 3.1.1.1.1 Test Channel = MCH

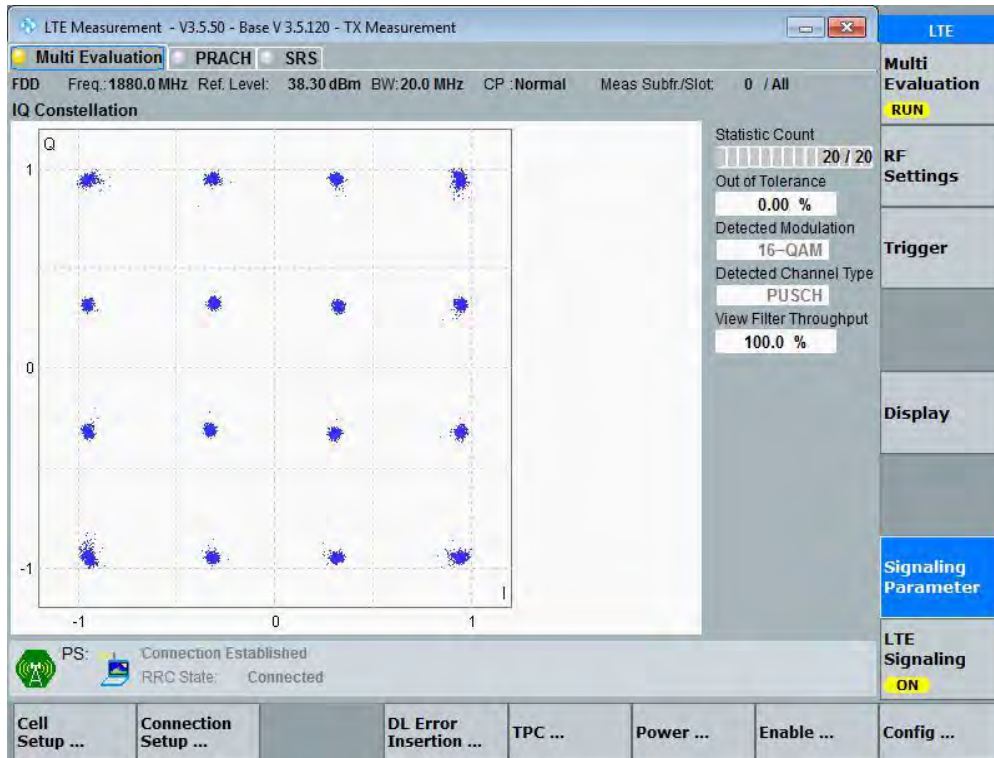






3.1.1.2 Test Mode = LTE /TM2 20MHz

3.1.1.2.1 Test Channel = MCH







## 4 Bandwidth

### Part I - Test Results

Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
Band 2	TM1/1.4MHz	LCH	1.10	1.29	PASS
		MCH	1.10	1.27	PASS
		HCH	1.10	1.28	PASS
	TM2/1.4MHz	LCH	1.09	1.26	PASS
		MCH	1.10	1.29	PASS
		HCH	1.10	1.29	PASS
	TM1/ 3MHz	LCH	2.69	2.90	PASS
		MCH	2.69	2.92	PASS
		HCH	2.69	2.90	PASS
	TM2/3MHz	LCH	2.68	2.92	PASS
		MCH	2.68	2.92	PASS
		HCH	2.69	2.94	PASS
	TM1/ 5MHz	LCH	4.50	4.97	PASS
		MCH	4.50	4.99	PASS
		HCH	4.48	4.94	PASS
	TM2/ 5MHz	LCH	4.50	5.02	PASS
		MCH	4.49	5.05	PASS
		HCH	4.49	4.91	PASS
	TM1/10MHz	LCH	8.95	9.79	PASS
		MCH	8.93	9.69	PASS
		HCH	8.93	9.69	PASS
	TM2/ 10MHz	LCH	8.95	9.71	PASS
		MCH	8.93	9.73	PASS
		HCH	8.93	9.73	PASS
TM1/ 15MHz	LCH	13.52	14.96	PASS	
	MCH	13.52	14.87	PASS	
	HCH	13.46	14.87	PASS	
TM2/ 15MHz	LCH	13.46	14.84	PASS	
	MCH	13.49	14.90	PASS	
	HCH	13.46	14.84	PASS	
TM1/ 20MHz	LCH	17.94	19.34	PASS	
	MCH	17.94	19.66	PASS	
	HCH	17.90	19.38	PASS	
TM2/ 20MHz	LCH	17.94	19.58	PASS	
	MCH	17.90	19.46	PASS	
	HCH	17.86	19.42	PASS	

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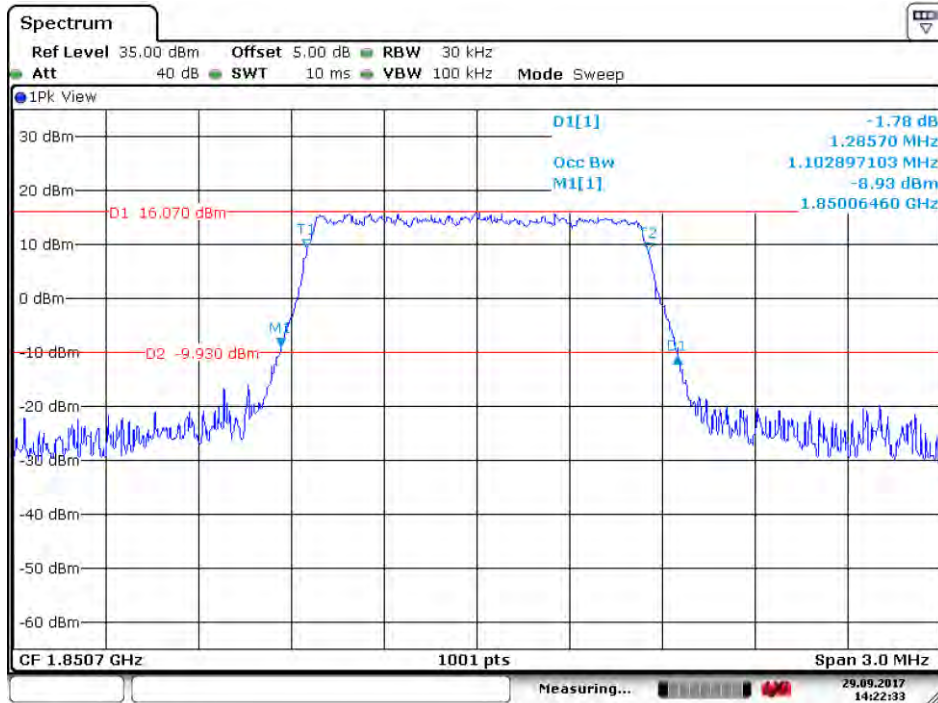


## 4.1 For LTE

### 4.1.1 Test Band = LTE band2

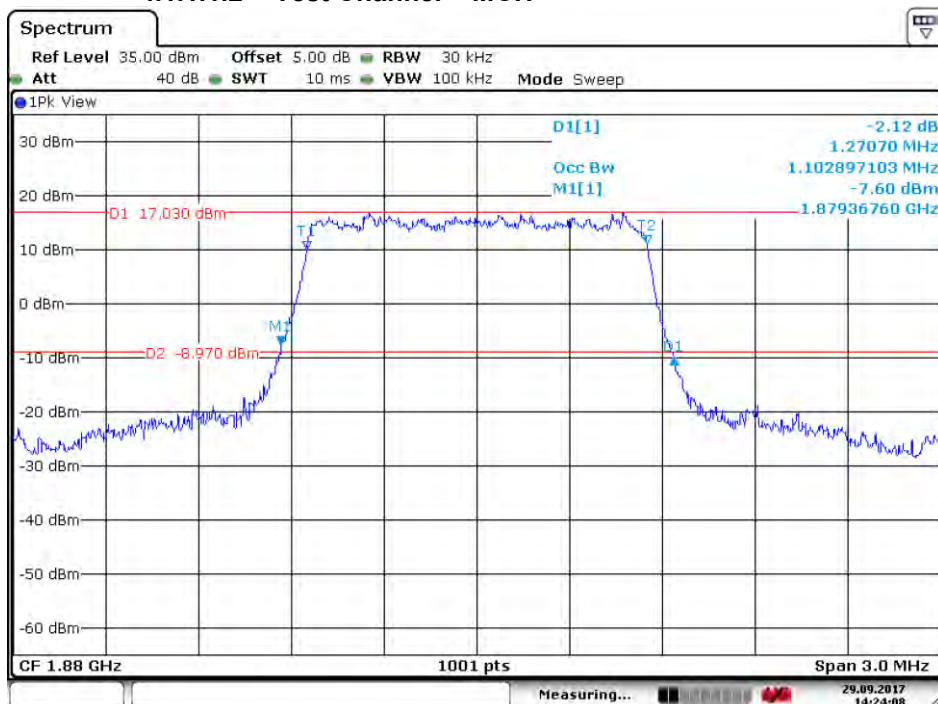
#### 4.1.1.1 Test Mode = LTE/TM1 1.4MHz

##### 4.1.1.1.1 Test Channel = LCH



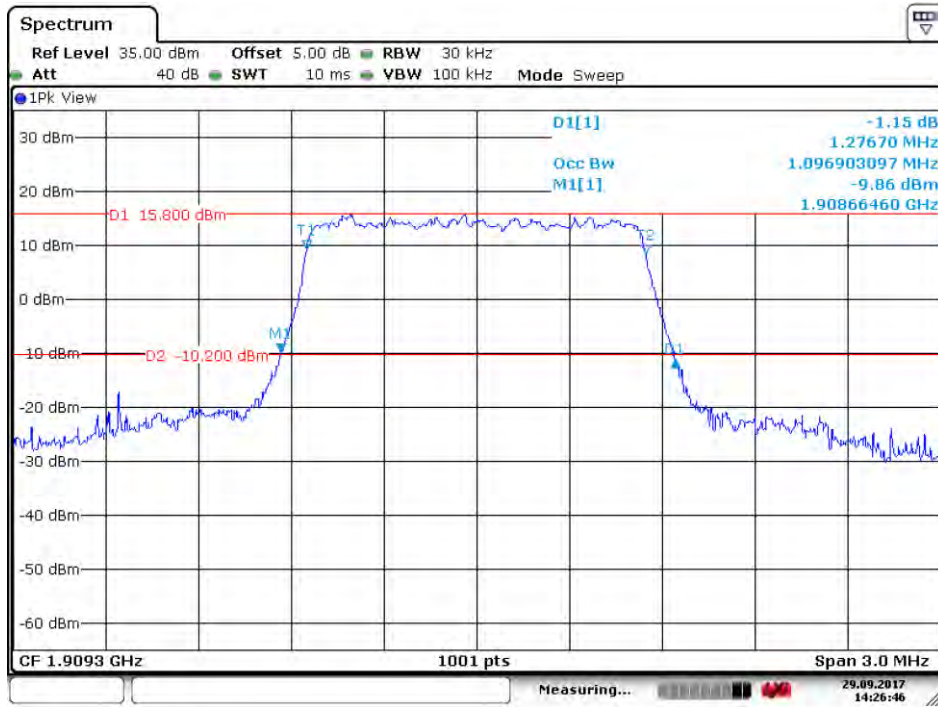
Date: 29.SEP.2017 14:22:33

##### 4.1.1.1.2 Test Channel = MCH



Date: 29.SEP.2017 14:24:08

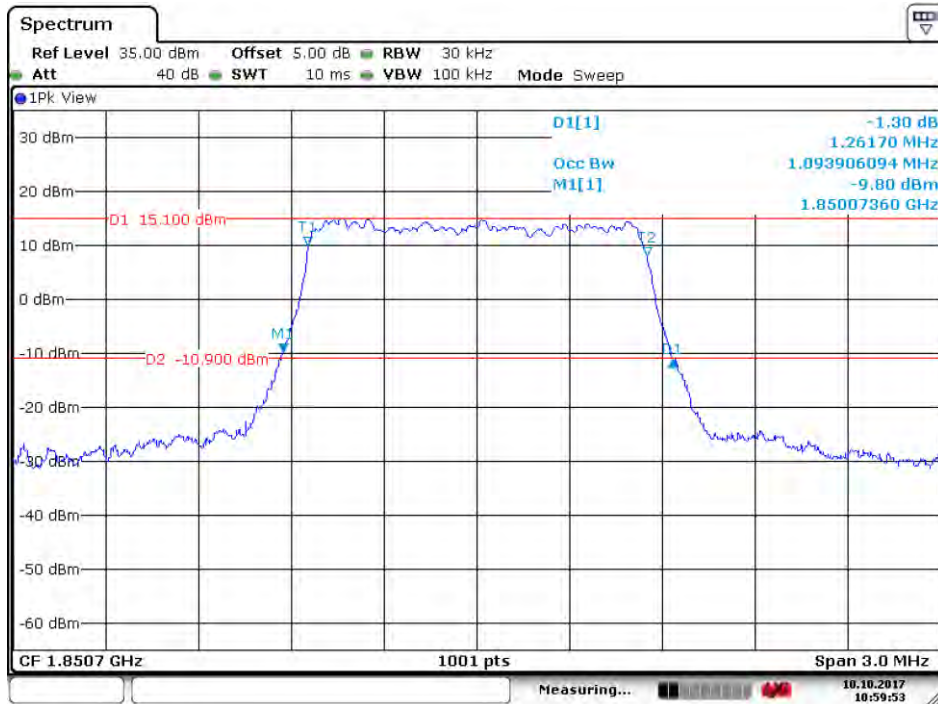
**4.1.1.1.3 Test Channel = HCH**



Date: 29.SEP.2017 14:26:46

**4.1.1.2 Test Mode = LTE/TM2 1.4MHz**

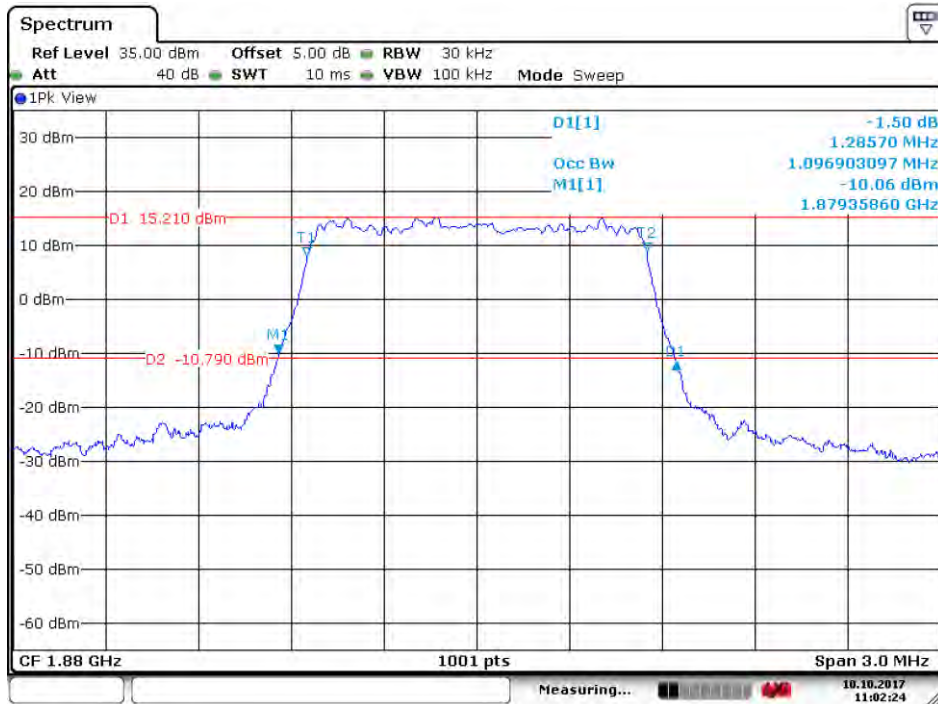
**4.1.1.2.1 Test Channel = LCH**



Date: 10.OCT.2017 10:59:54

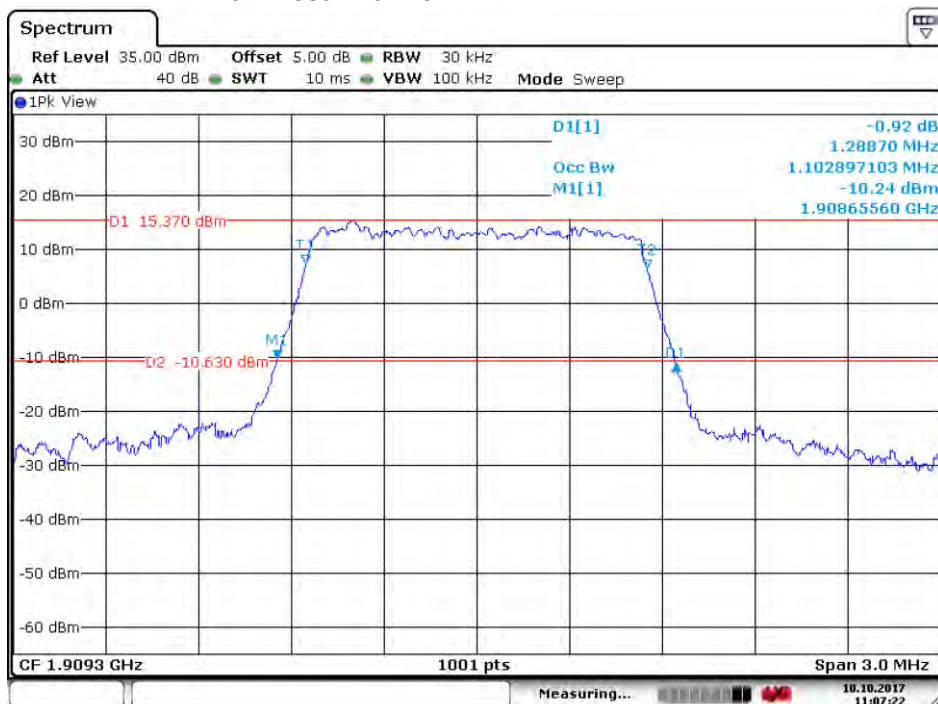


4.1.1.2.2 Test Channel = MCH



Date: 10.OCT.2017 11:02:24

4.1.1.2.3 Test Channel = HCH



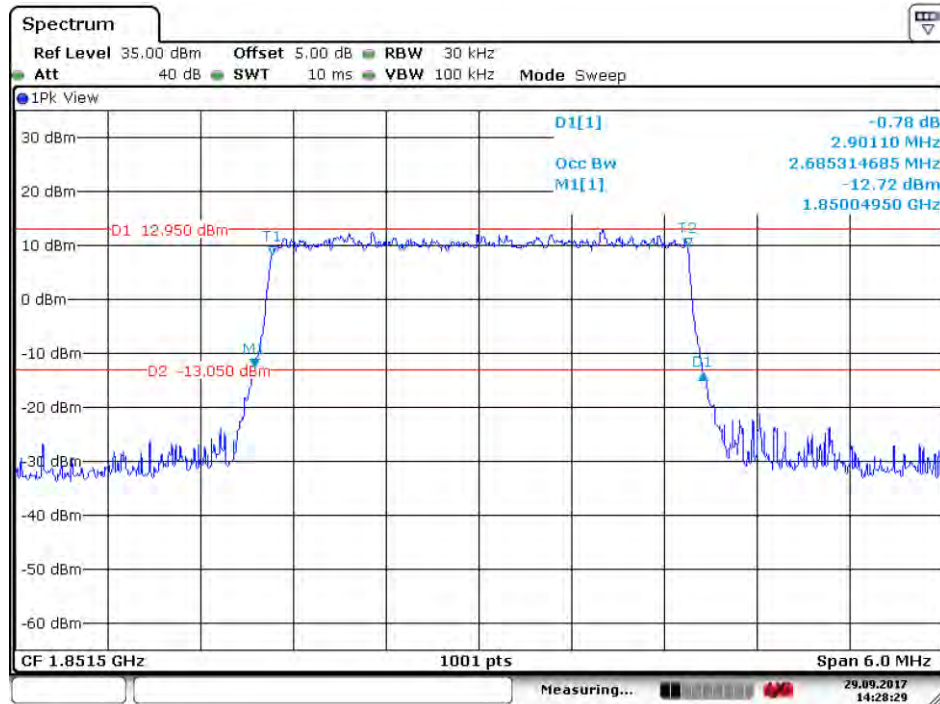
Date: 10.OCT.2017 11:07:22



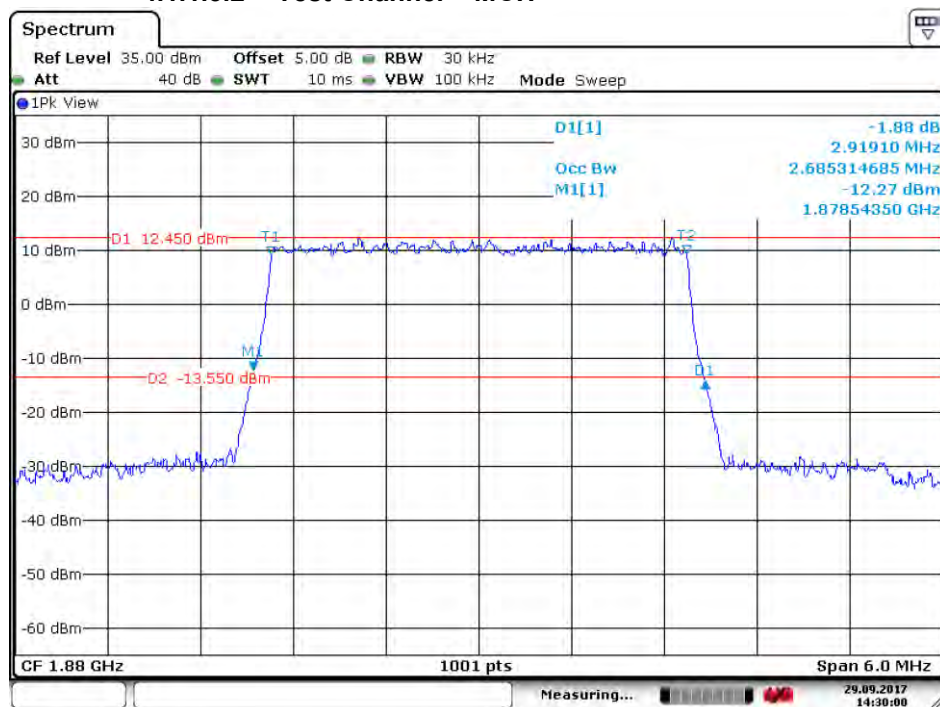


#### 4.1.1.3 Test Mode = LTE/TM1 3MHz

##### 4.1.1.3.1 Test Channel = LCH

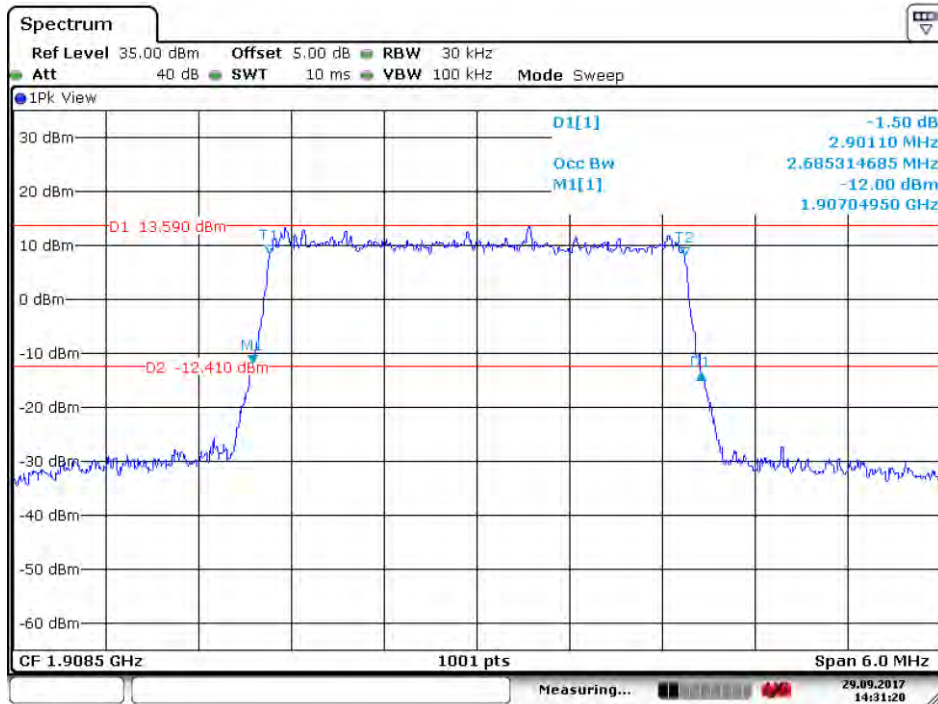


##### 4.1.1.3.2 Test Channel = MCH





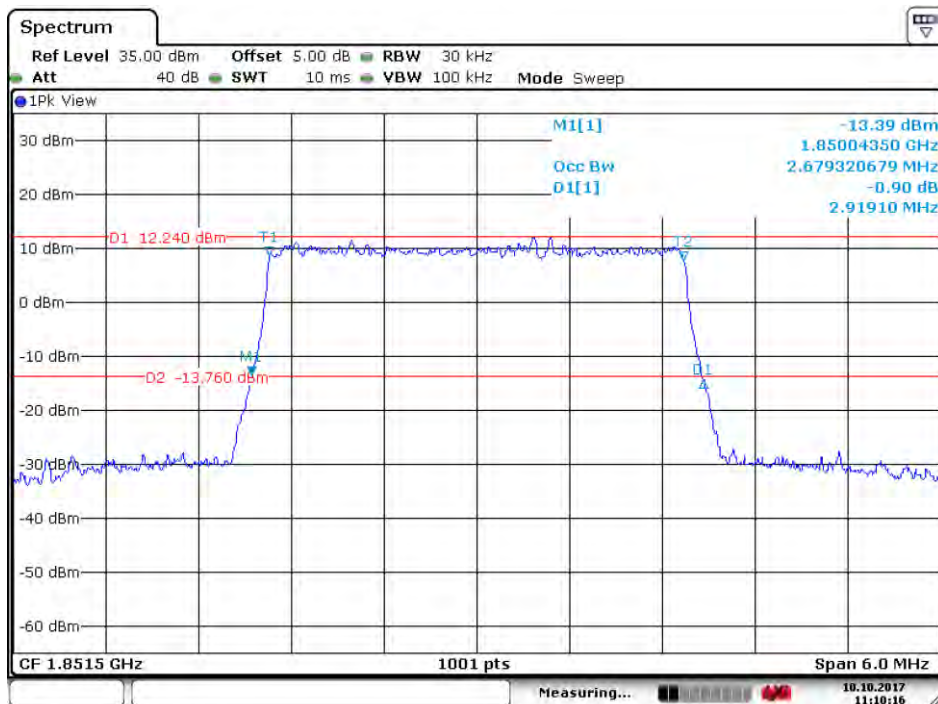
#### 4.1.1.3.3 Test Channel = HCH



Date: 29.SEP.2017 14:31:21

#### 4.1.1.4 Test Mode = LTE/TM2 3MHz

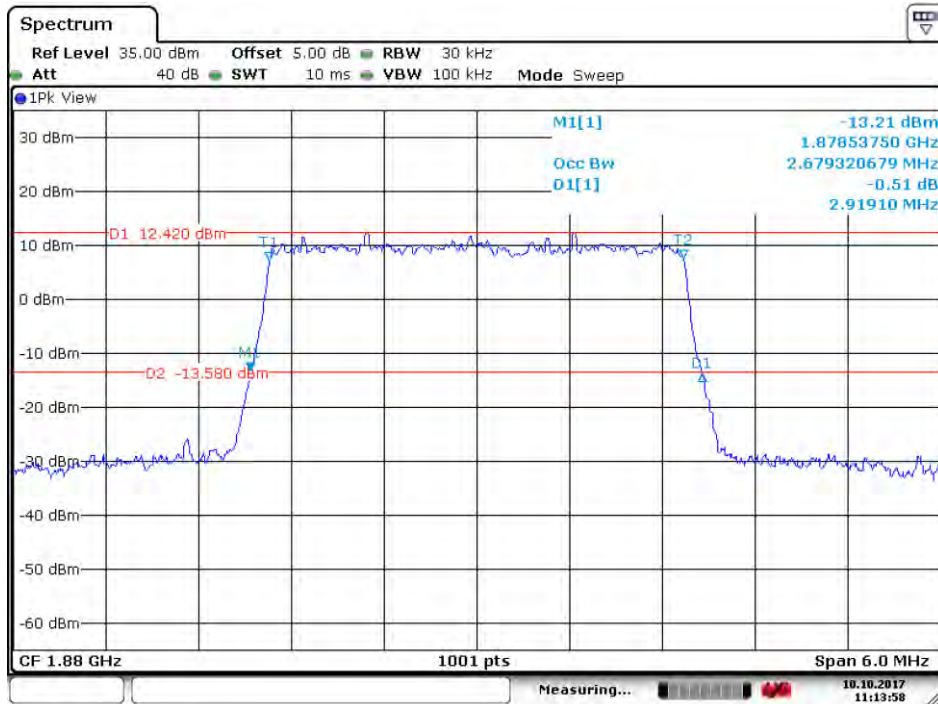
##### 4.1.1.4.1 Test Channel = LCH



Date: 10.OCT.2017 11:10:16

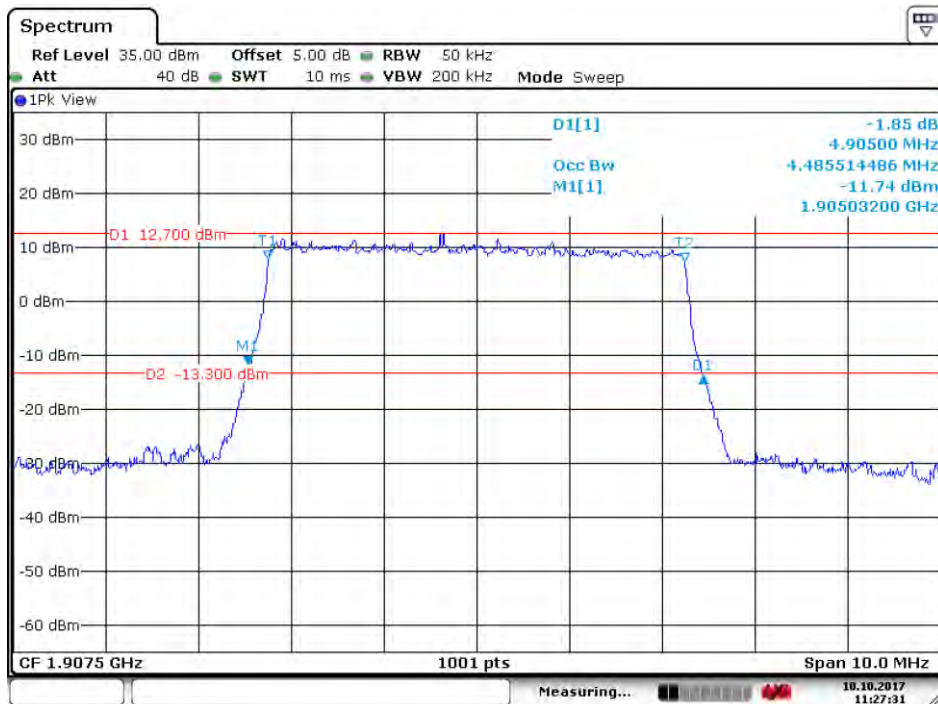


4.1.1.4.2 Test Channel = MCH



Date: 10.OCT.2017 11:13:59

4.1.1.4.3 Test Channel = HCH



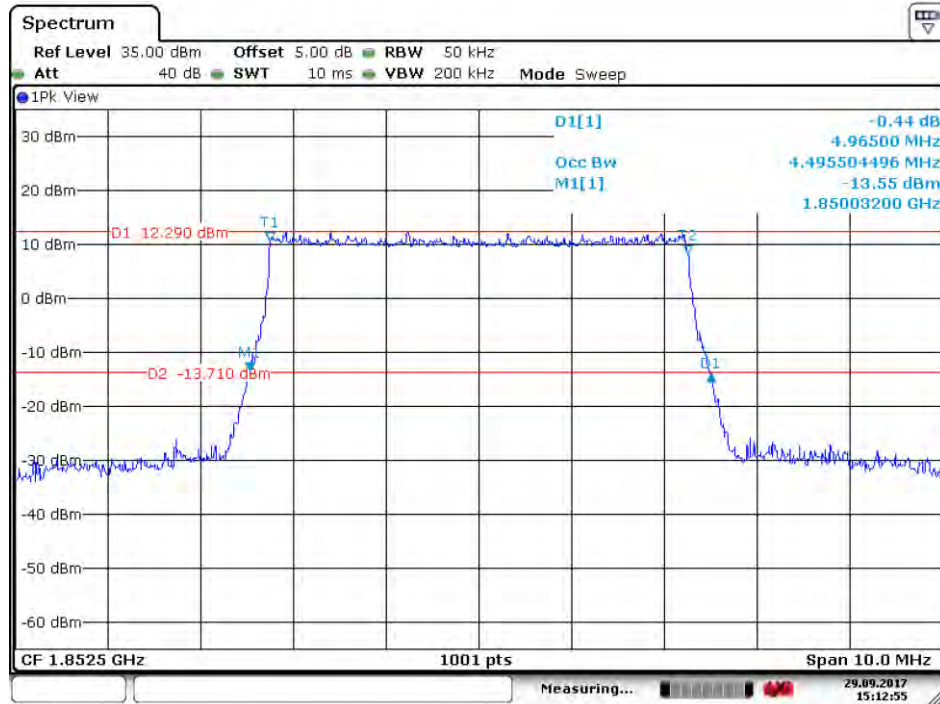
Date: 10.OCT.2017 11:27:31





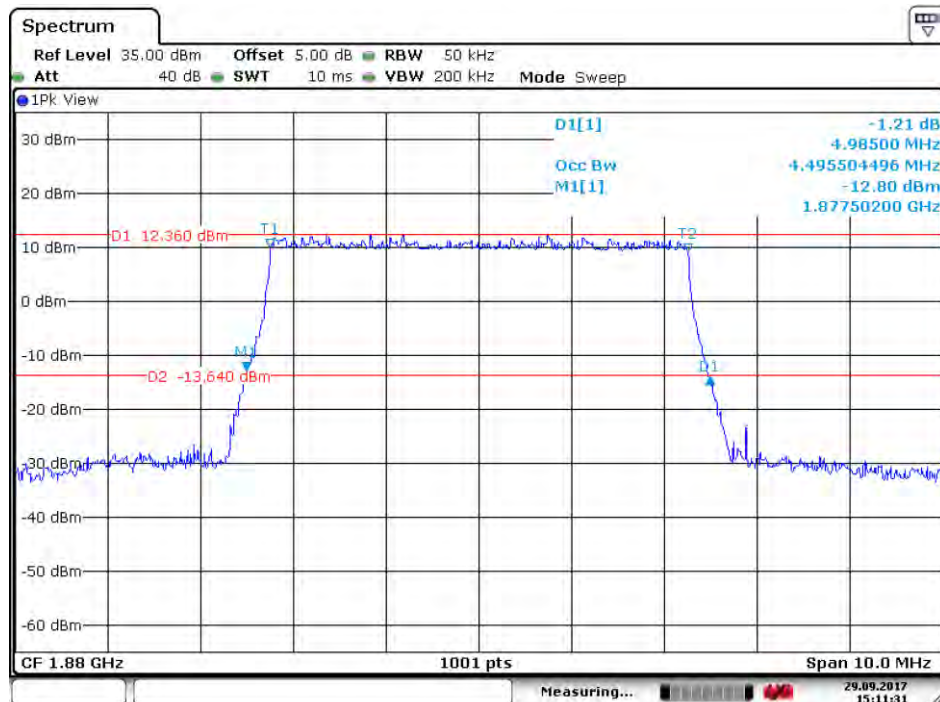
4.1.1.5 Test Mode = LTE/TM1 5MHz

4.1.1.5.1 Test Channel = LCH



Date: 29.SEP.2017 15:12:56

4.1.1.5.2 Test Channel = MCH

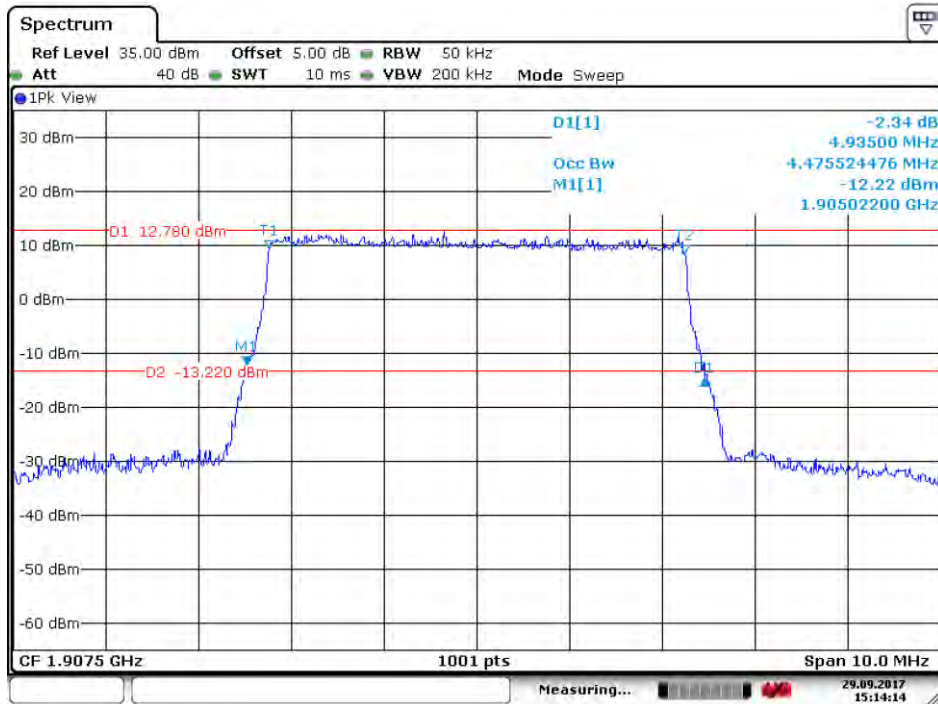


Date: 29.SEP.2017 15:11:32





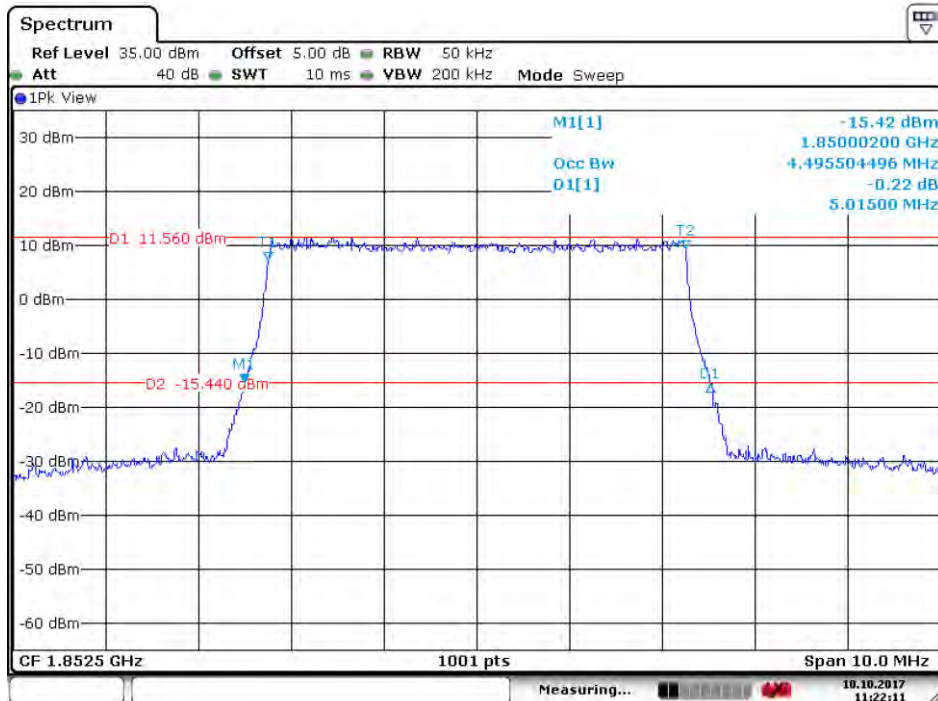
#### 4.1.1.5.3 Test Channel = HCH



Date: 29.SEP.2017 15:14:14

#### 4.1.1.6 Test Mode = LTE/TM2 5MHz

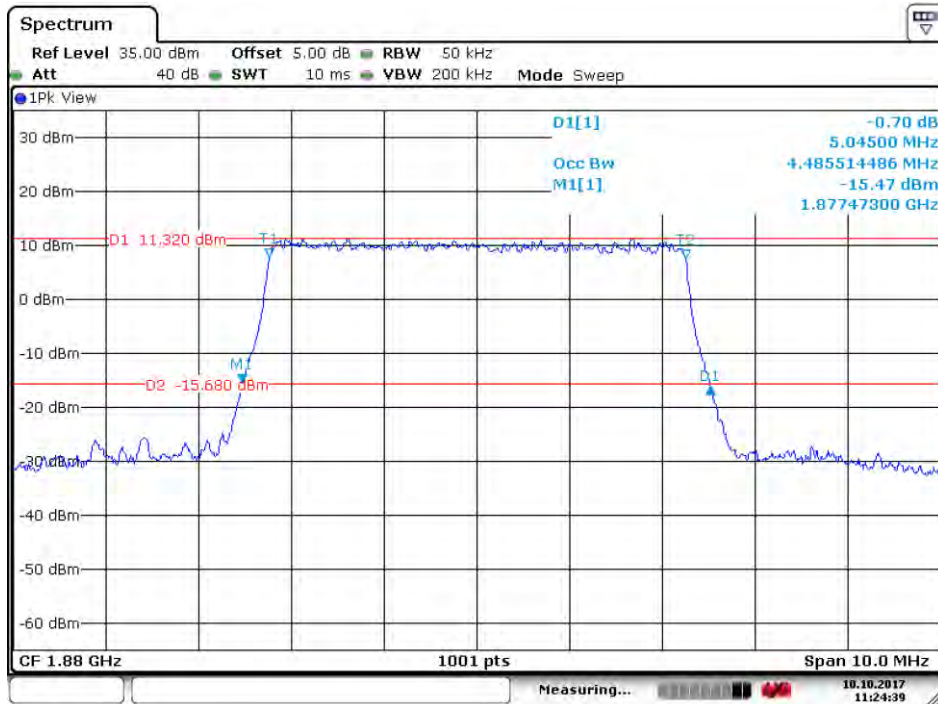
##### 4.1.1.6.1 Test Channel = LCH



Date: 10.OCT.2017 11:22:11

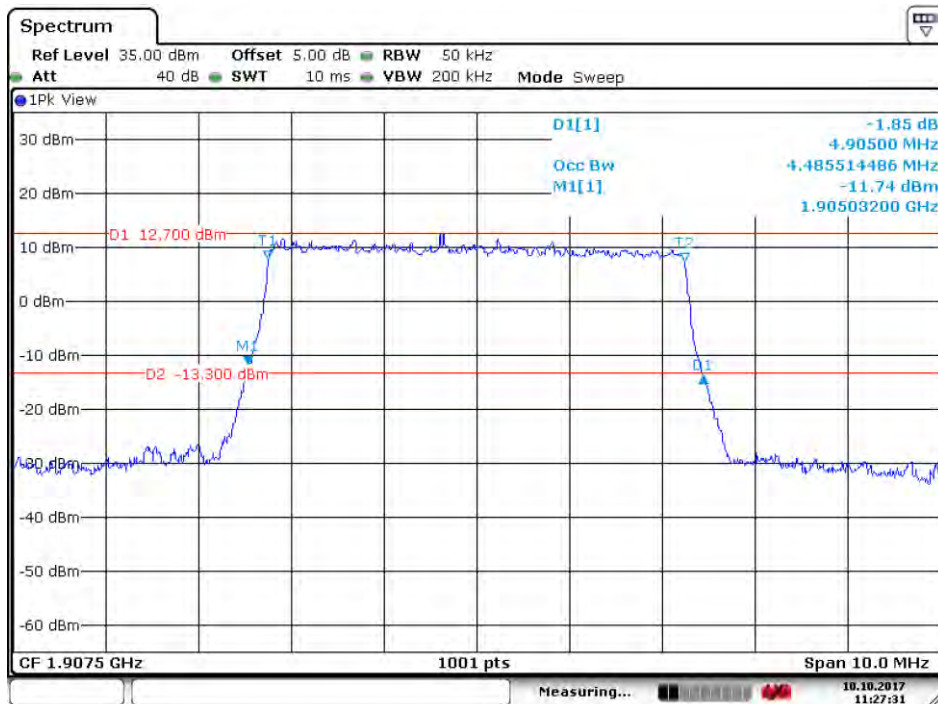


4.1.1.6.2 Test Channel = MCH



Date: 10.OCT.2017 11:24:40

4.1.1.6.3 Test Channel = HCH

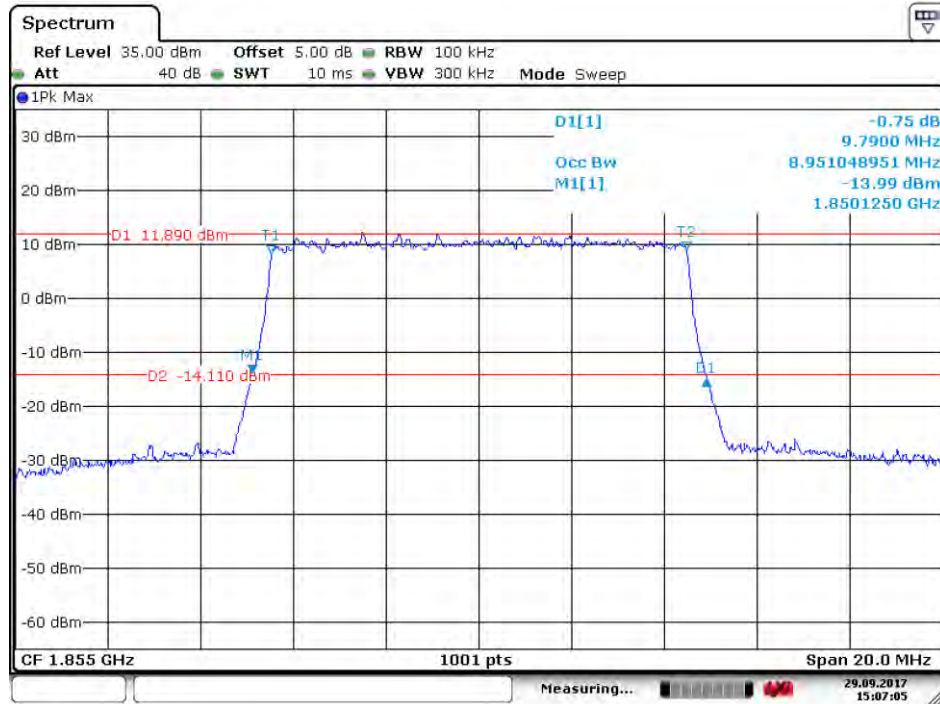


Date: 10.OCT.2017 11:27:31



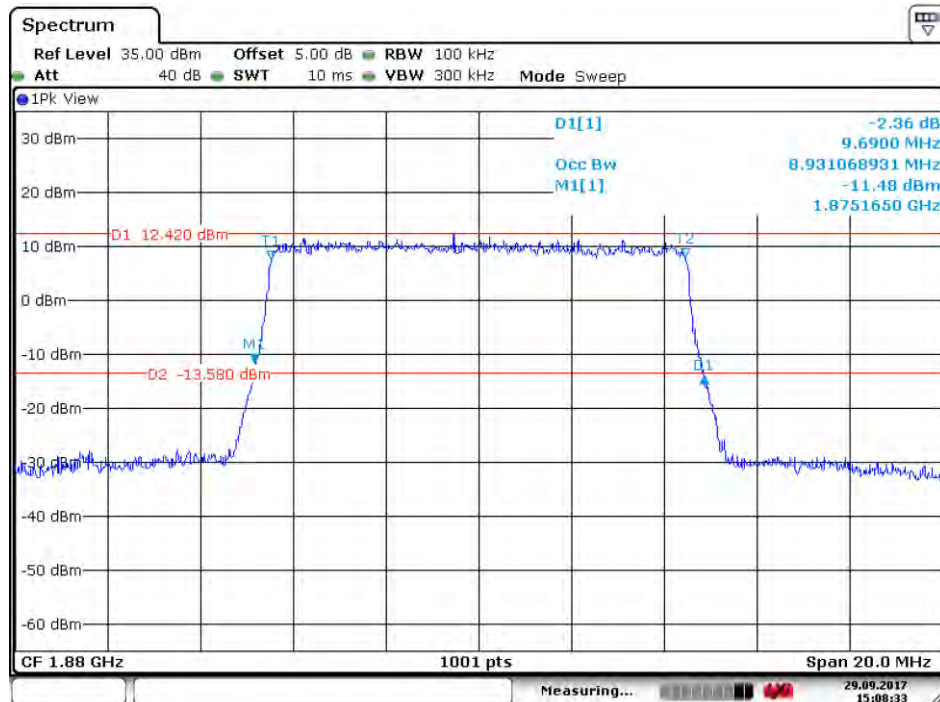
4.1.1.7 Test Mode = LTE/TM1 10MHz

4.1.1.7.1 Test Channel = LCH



Date: 29.SEP.2017 15:07:05

4.1.1.7.2 Test Channel = MCH

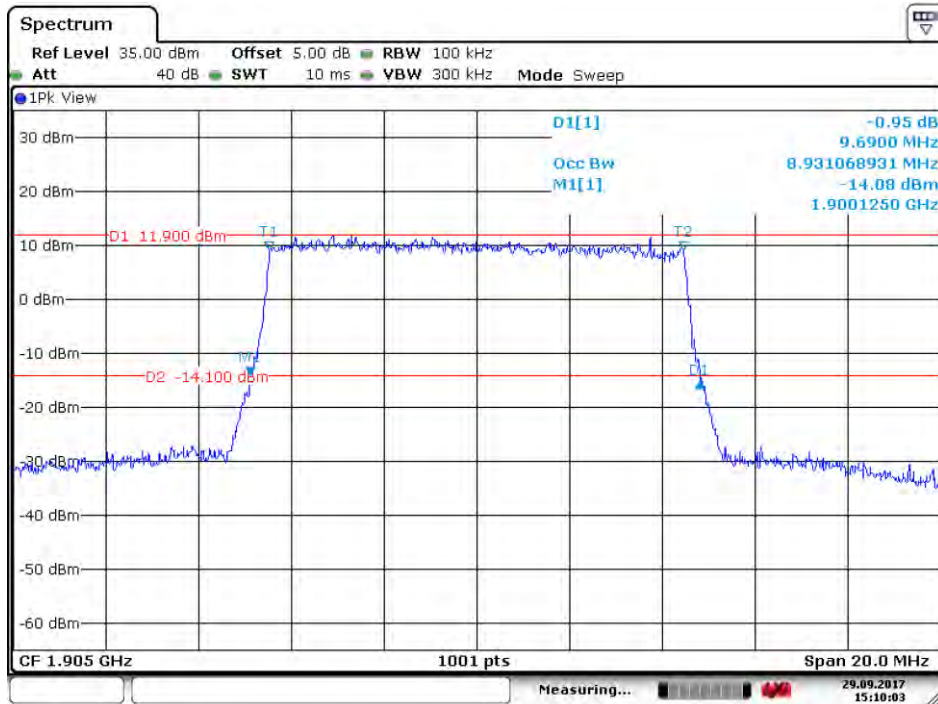


Date: 29.SEP.2017 15:08:33





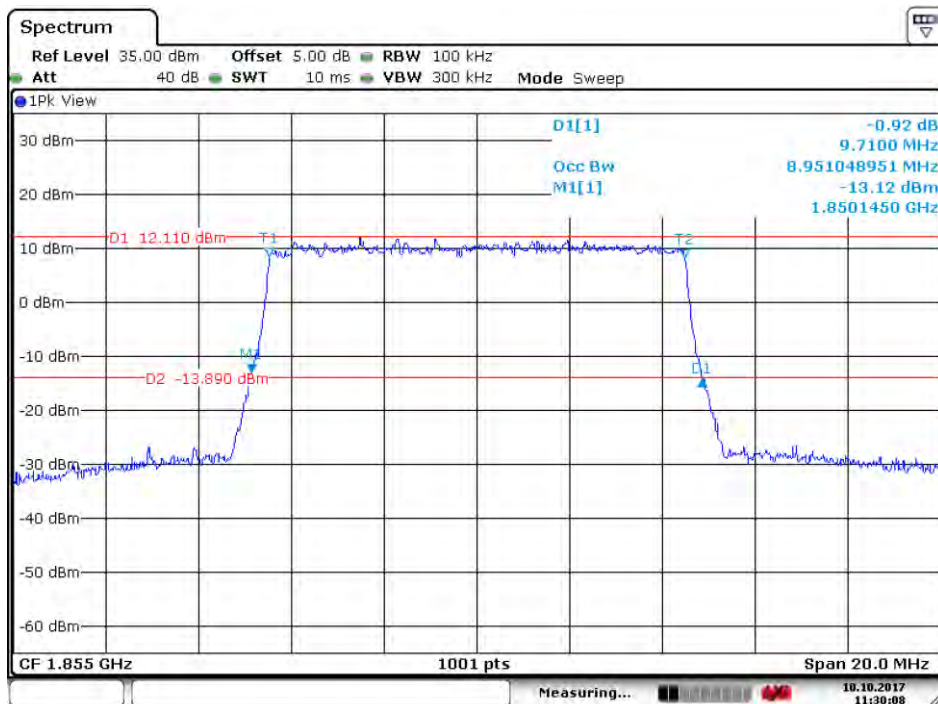
#### 4.1.1.7.3 Test Channel = HCH



Date: 29.SEP.2017 15:10:03

#### 4.1.1.8 Test Mode = LTE/TM2 10MHz

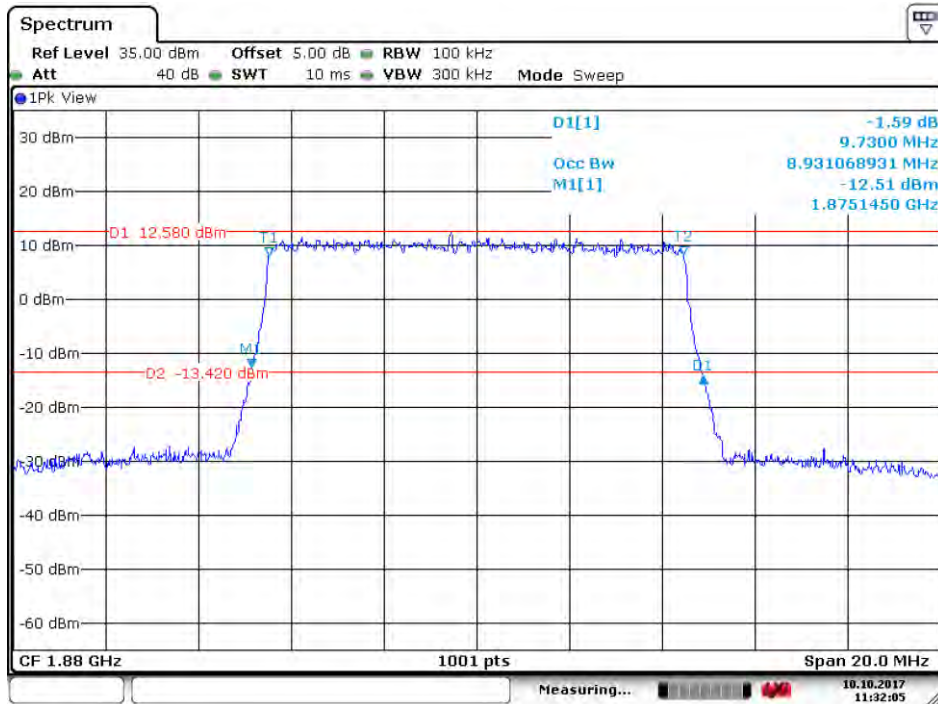
##### 4.1.1.8.1 Test Channel = LCH



Date: 10.OCT.2017 11:30:08

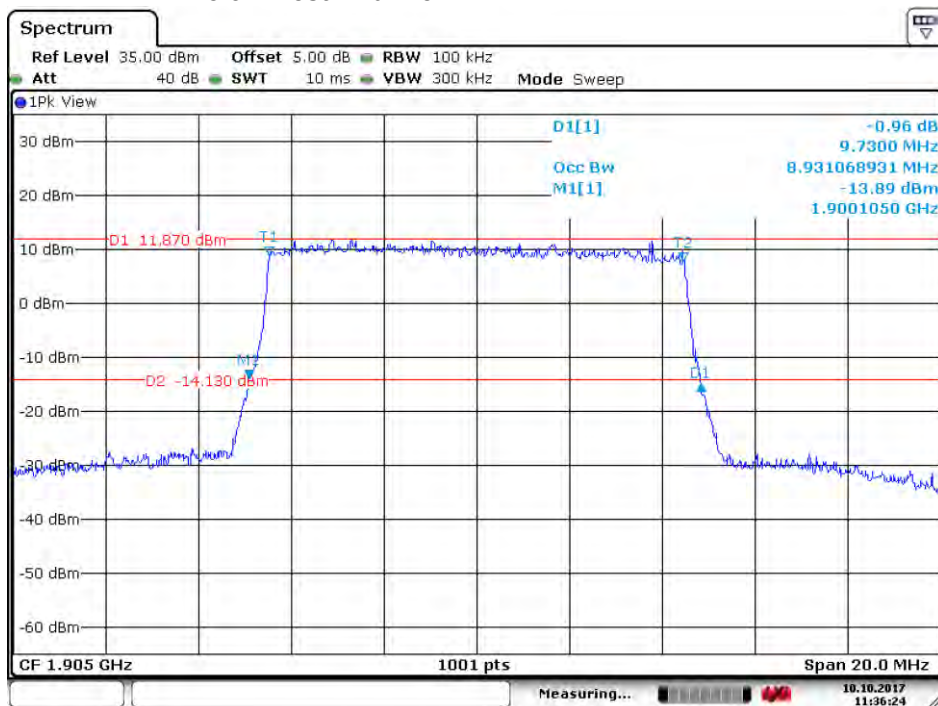


4.1.1.8.2 Test Channel = MCH



Date: 10.OCT.2017 11:32:06

4.1.1.8.3 Test Channel = HCH

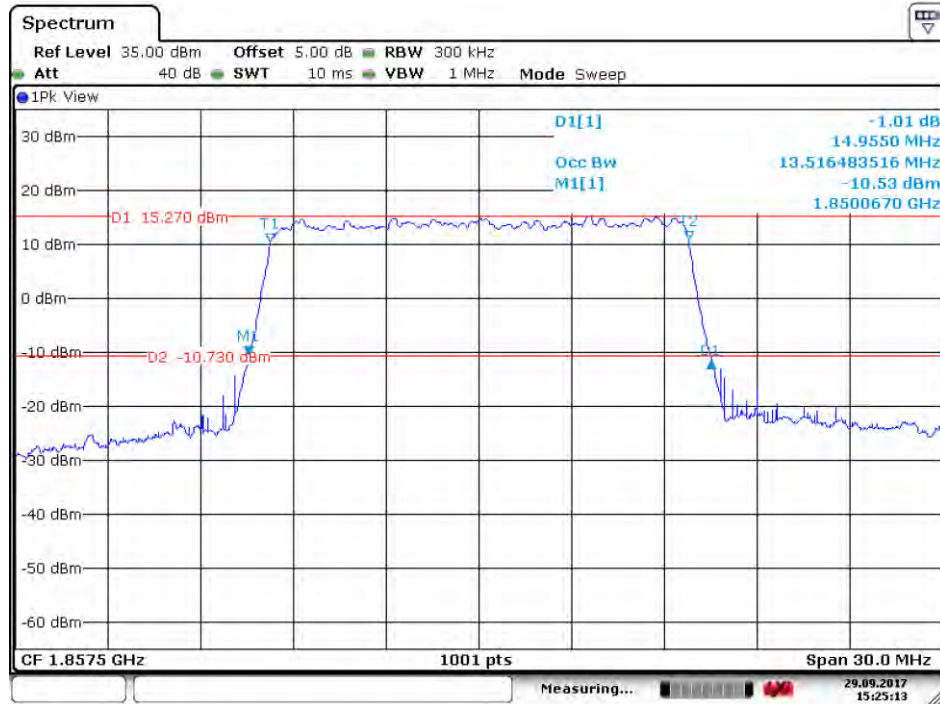


Date: 10.OCT.2017 11:36:24



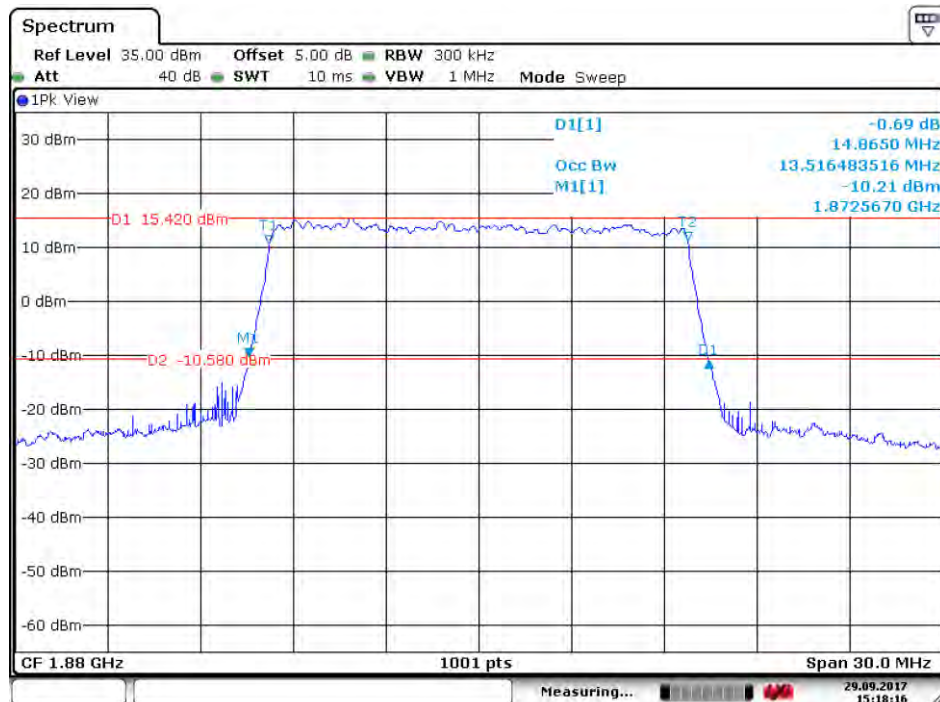
4.1.1.9 Test Mode = LTE/TM1 15MHz

4.1.1.9.1 Test Channel = LCH



Date: 29.SEP.2017 15:25:13

4.1.1.9.2 Test Channel = MCH

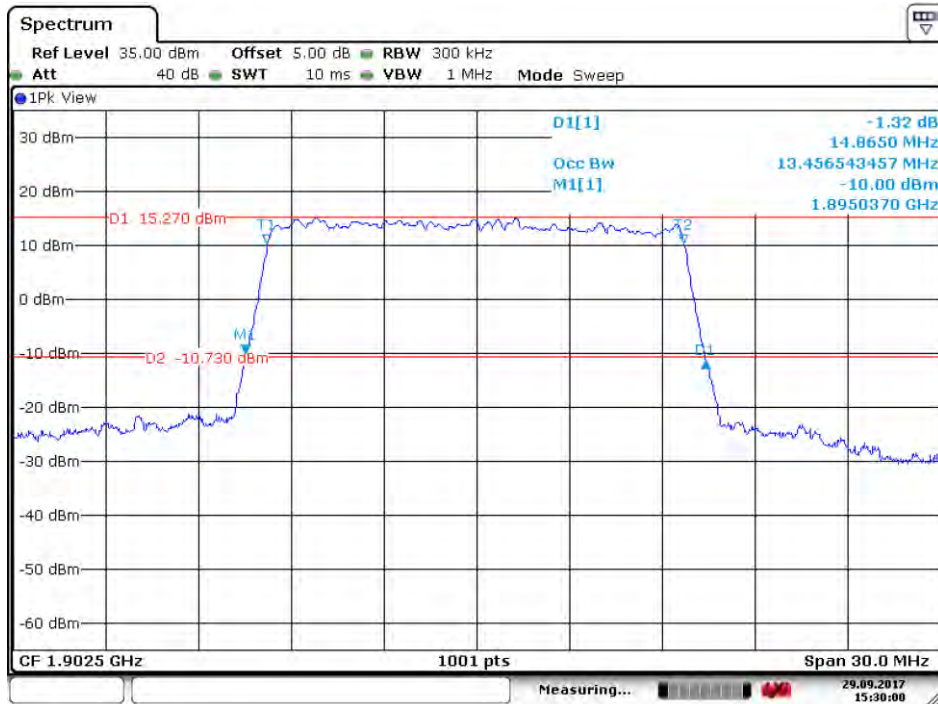


Date: 29.SEP.2017 15:18:16





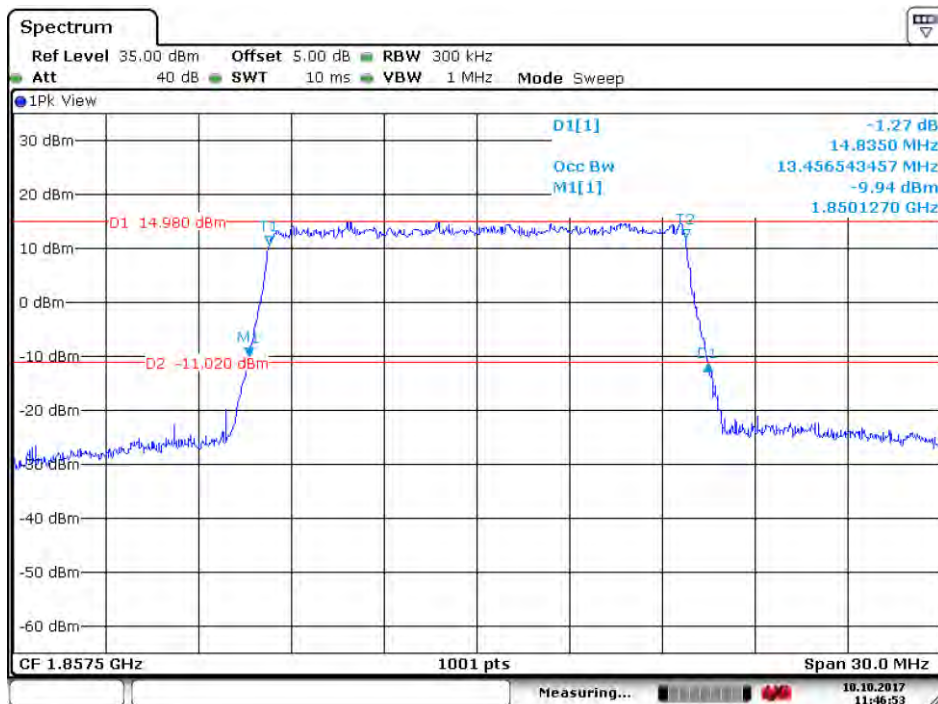
4.1.1.9.3 Test Channel = HCH



Date: 29.SEP.2017 15:30:00

4.1.1.10 Test Mode = LTE/TM2 15MHz

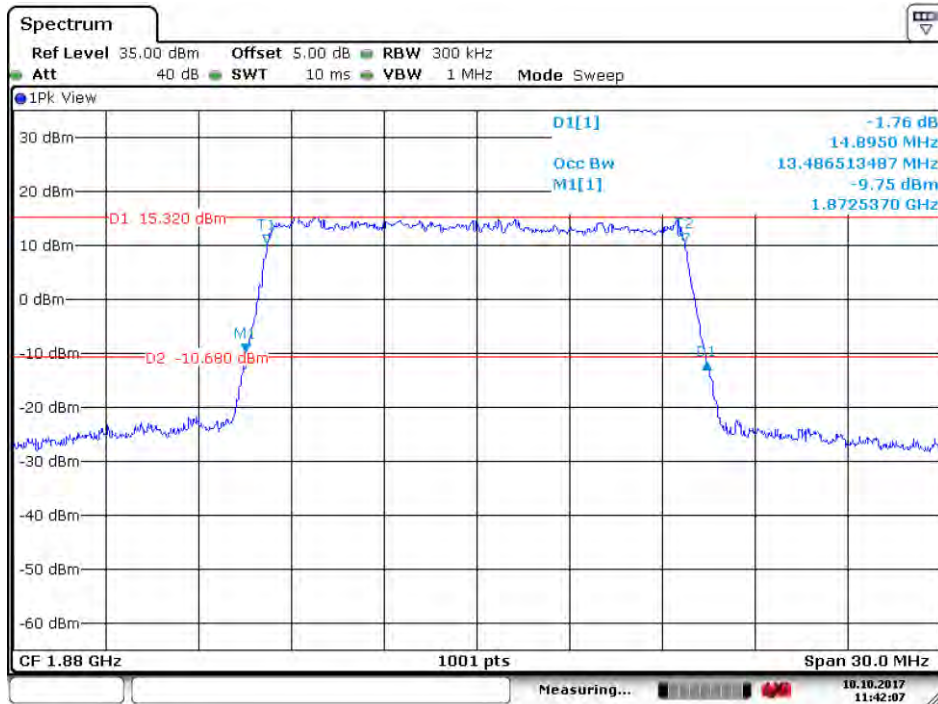
4.1.1.10.1 Test Channel = LCH



Date: 10.OCT.2017 11:46:53

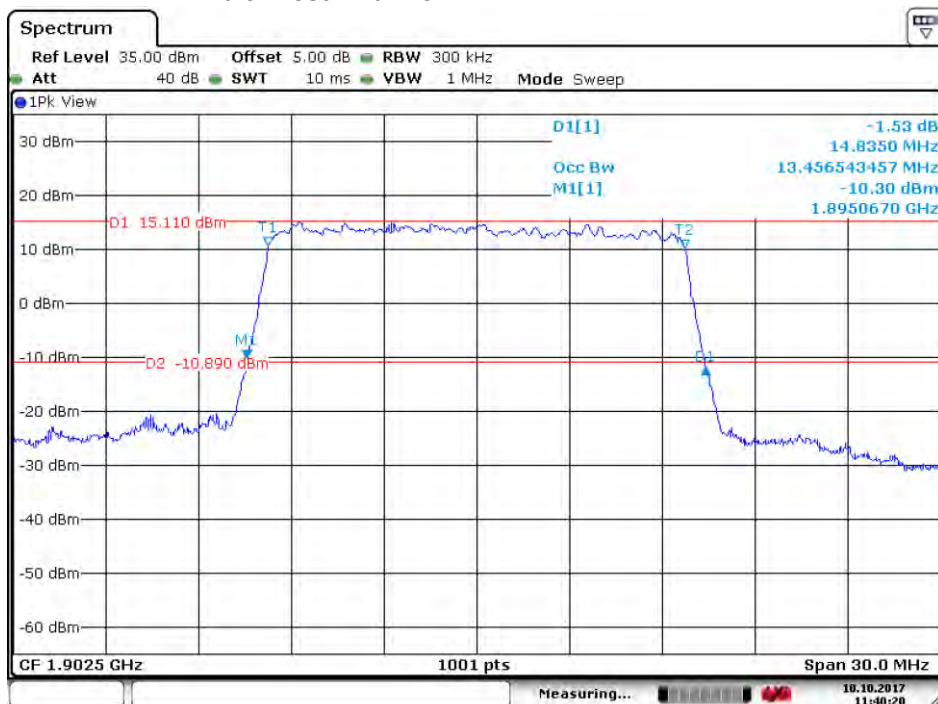


4.1.1.10.2 Test Channel = MCH



Date: 10.OCT.2017 11:42:07

4.1.1.10.3 Test Channel = HCH



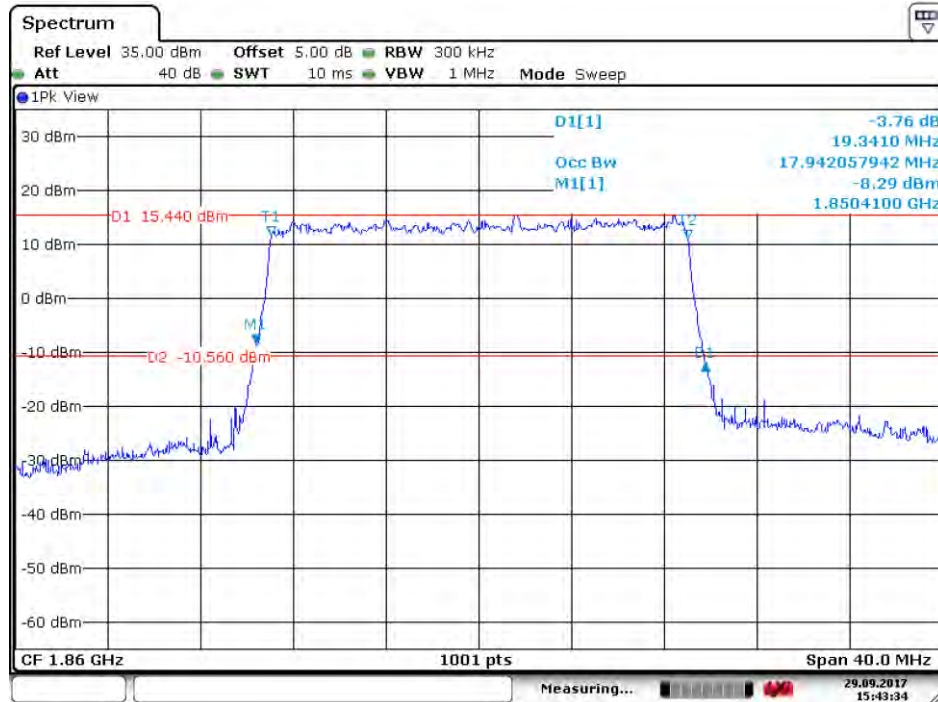
Date: 10.OCT.2017 11:40:20





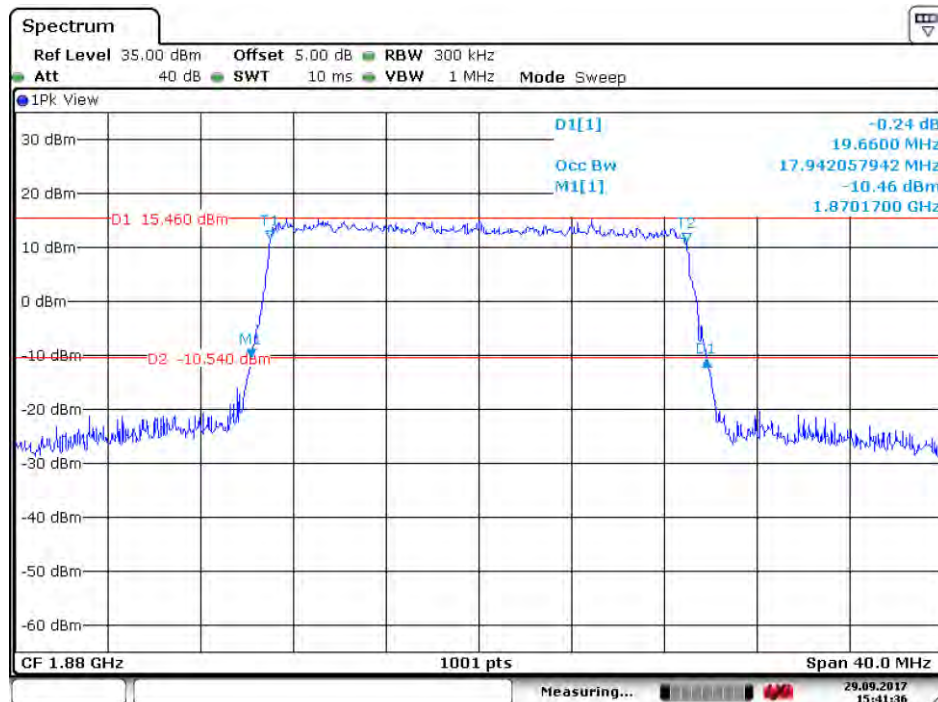
4.1.1.11 Test Mode = LTE/TM1 20MHz

4.1.1.11.1 Test Channel = LCH



Date: 29.SEP.2017 15:43:34

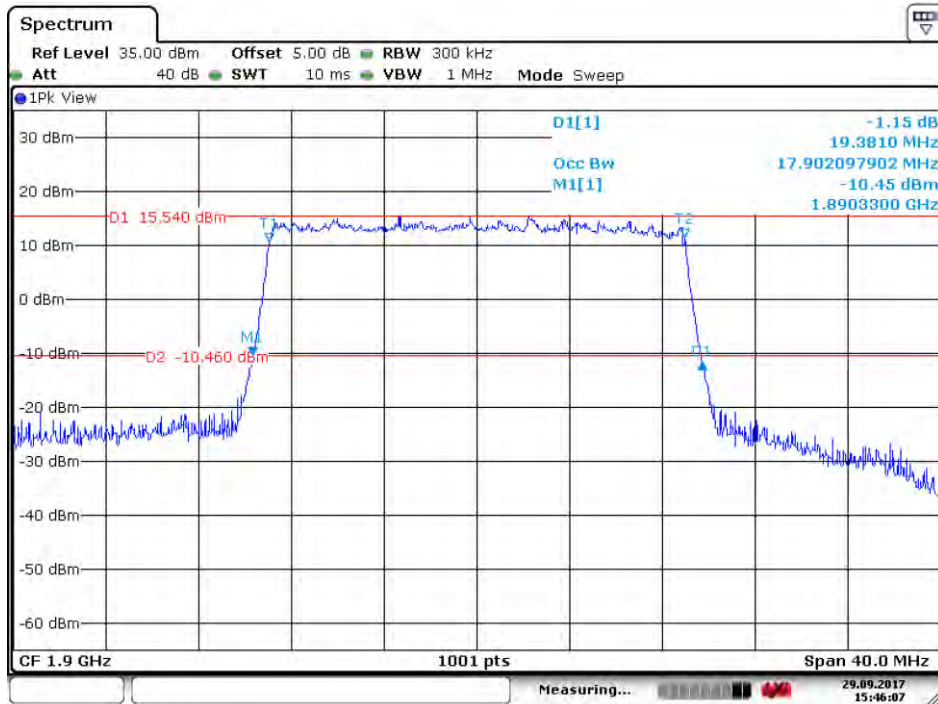
4.1.1.11.2 Test Channel = MCH



Date: 29.SEP.2017 15:41:36



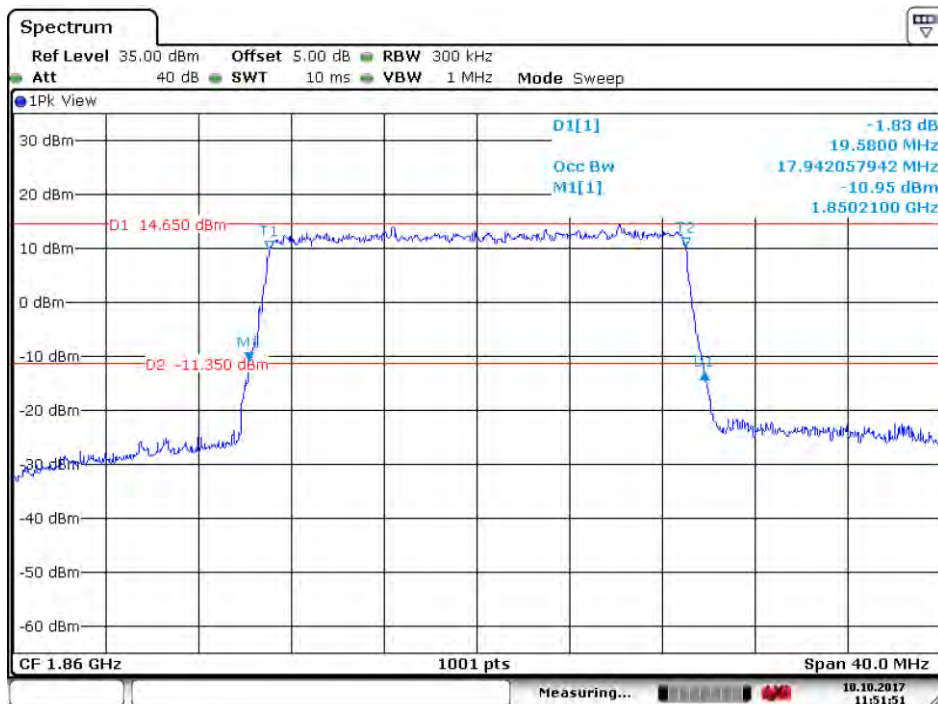
#### 4.1.1.11.3 Test Channel = HCH



Date: 29.SEP.2017 15:46:07

#### 4.1.1.12 Test Mode = LTE/TM2 20MHz

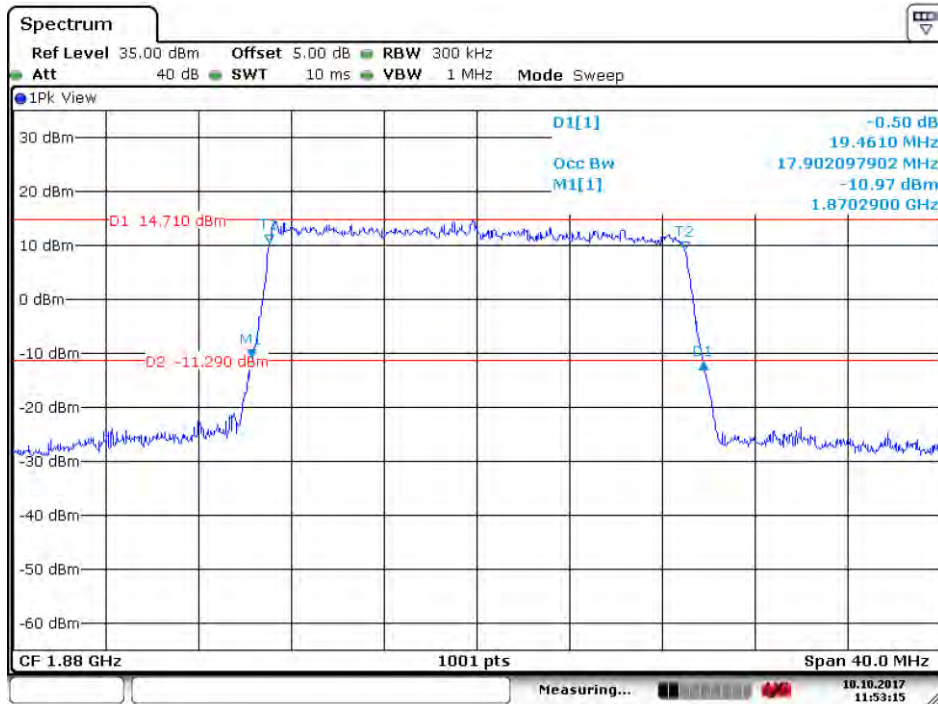
##### 4.1.1.12.1 Test Channel = LCH



Date: 10.OCT.2017 11:51:51

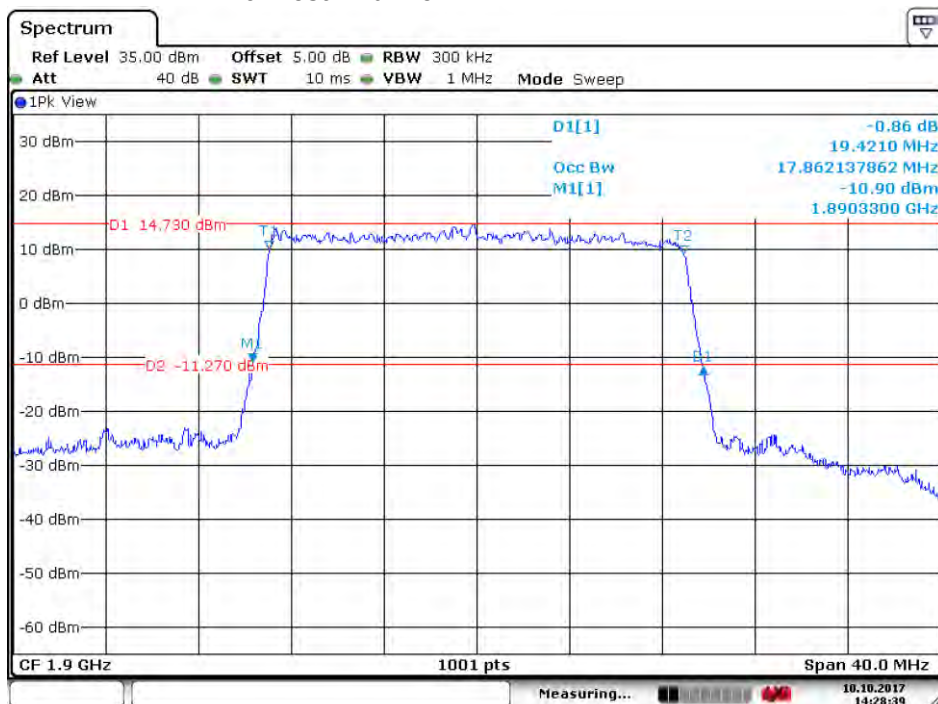


4.1.1.12.2 Test Channel = MCH



Date: 10.OCT.2017 11:53:15

4.1.1.12.3 Test Channel = HCH



Date: 10.OCT.2017 14:28:39



## 5 Band Edges Compliance

Part I –

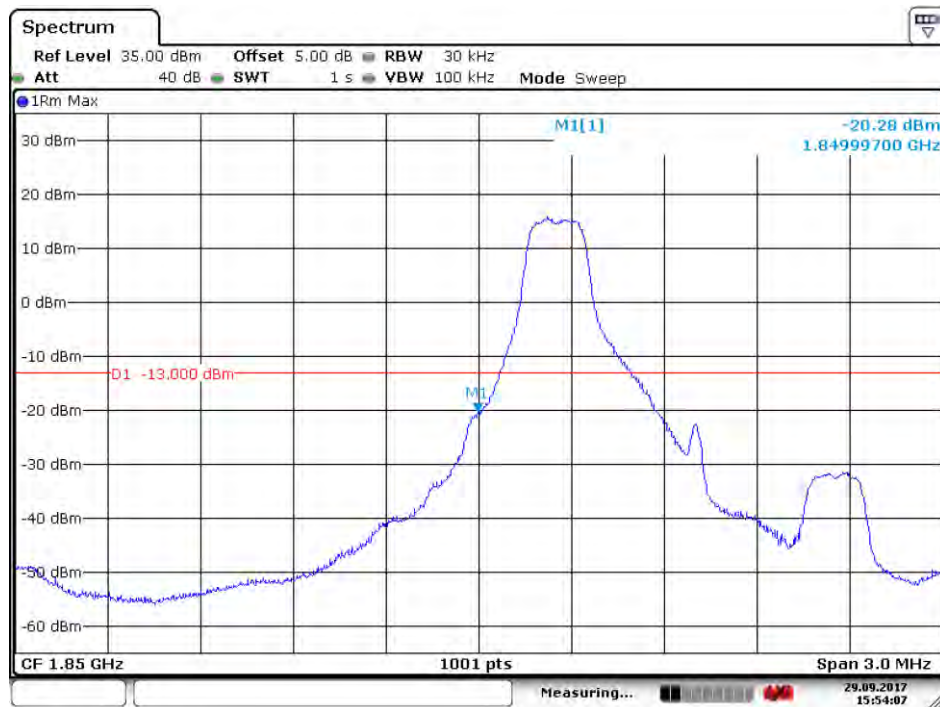
### 5.1 For LTE

#### 5.1.1 Test Band = LTE band2

##### 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

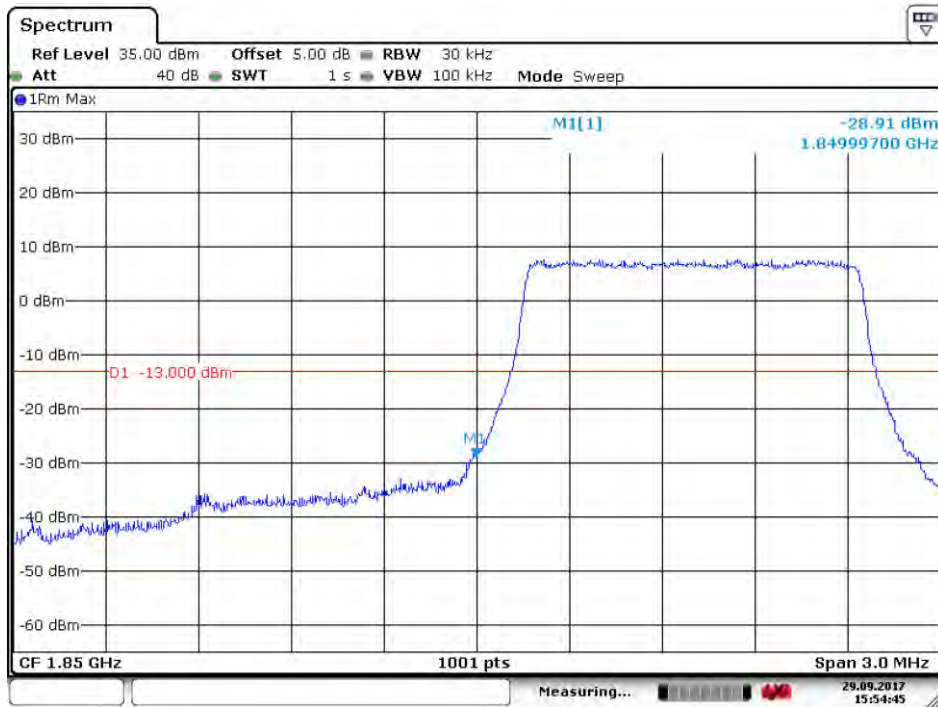


Date: 29.SEP.2017 15:54:07





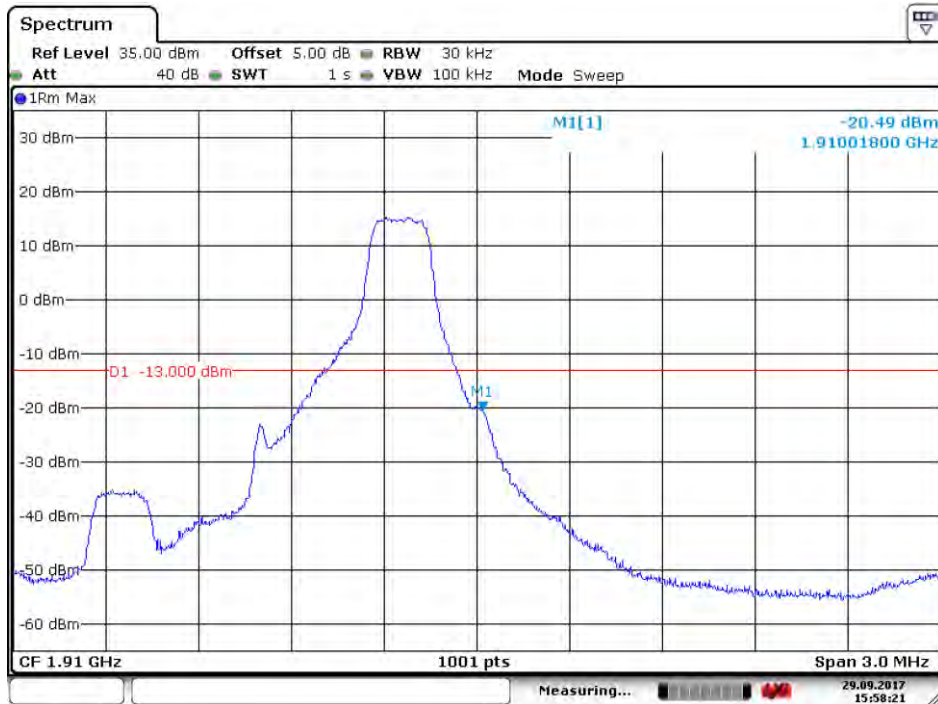
5.1.1.1.1 Test RB=6RB



Date: 29.SEP.2017 15:54:45

5.1.1.1.2 Test Channel = HCH

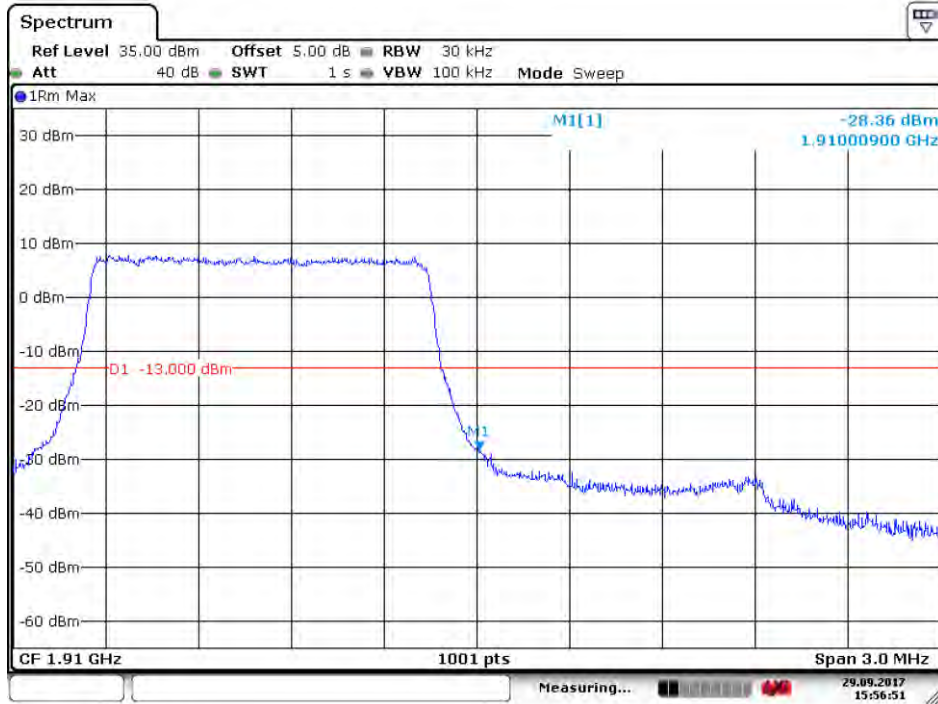
5.1.1.1.2.1 Test RB=1RB



Date: 29.SEP.2017 15:58:21



5.1.1.1.2.2 Test RB=6RB

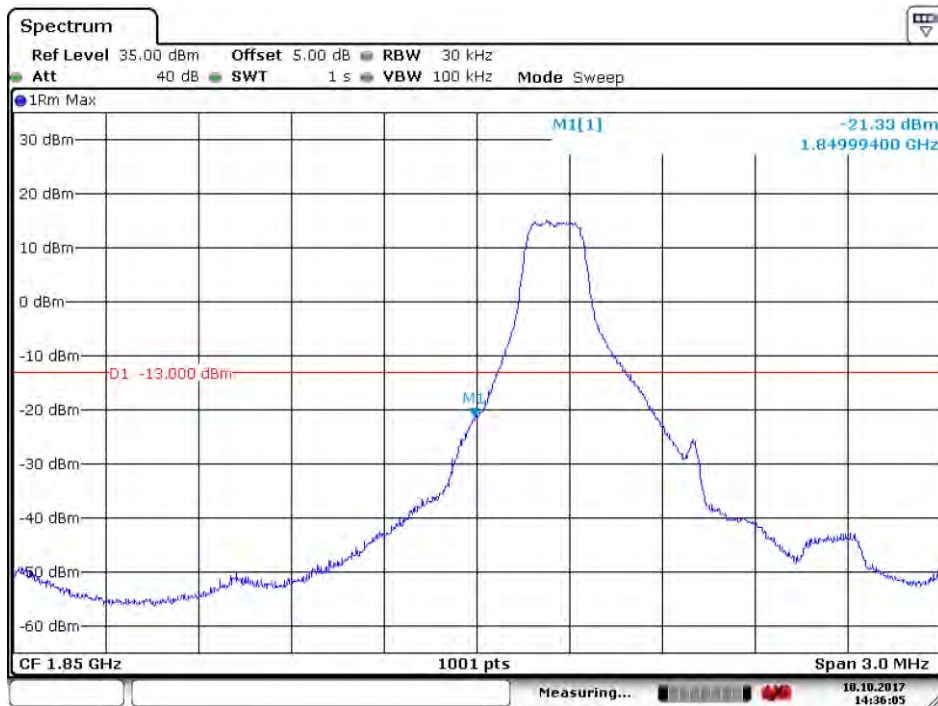


Date: 29.SEP.2017 15:56:51

5.1.1.2 Test Mode = LTE/TM2 1.4MHz

5.1.1.2.1 Test Channel = LCH

5.1.1.2.1.1 Test RB=1RB



Date: 10.OCT.2017 14:36:05

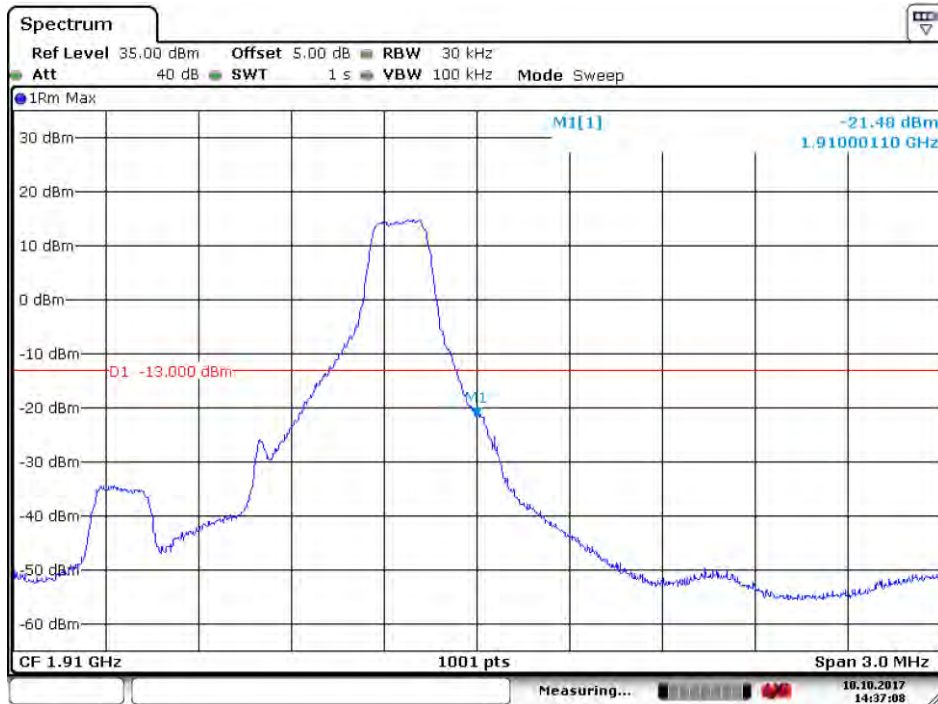
**5.1.1.2.1.2 Test RB=6RB**



Date: 10.OCT.2017 14:35:03

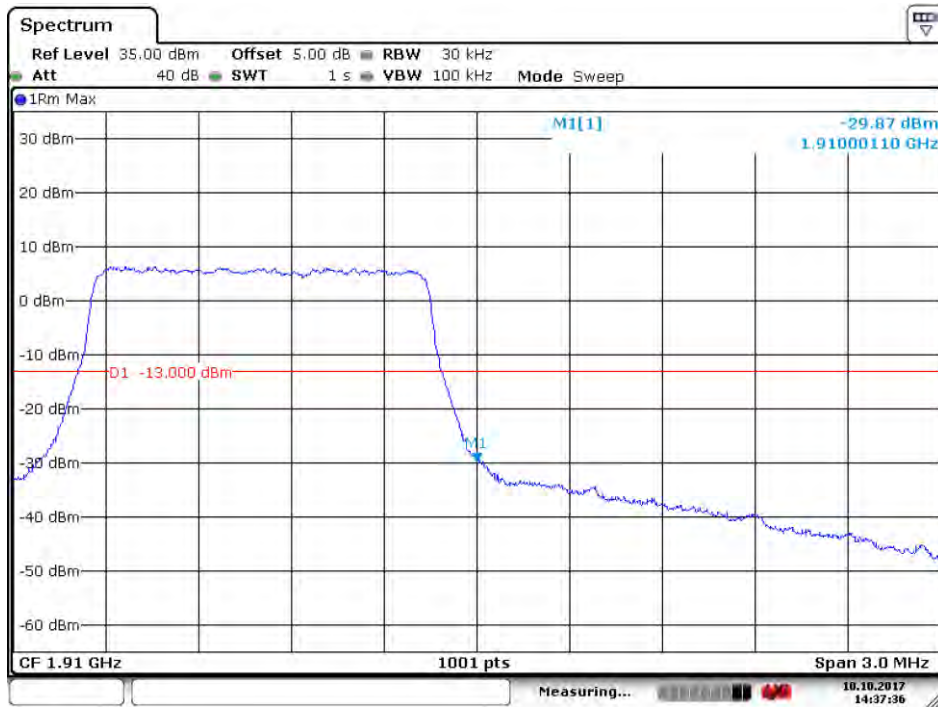
**5.1.1.2.2 Test Channel = HCH**

**5.1.1.2.2.1 Test RB=1RB**



Date: 10.OCT.2017 14:37:08

**5.1.1.2.2 Test RB=6RB**

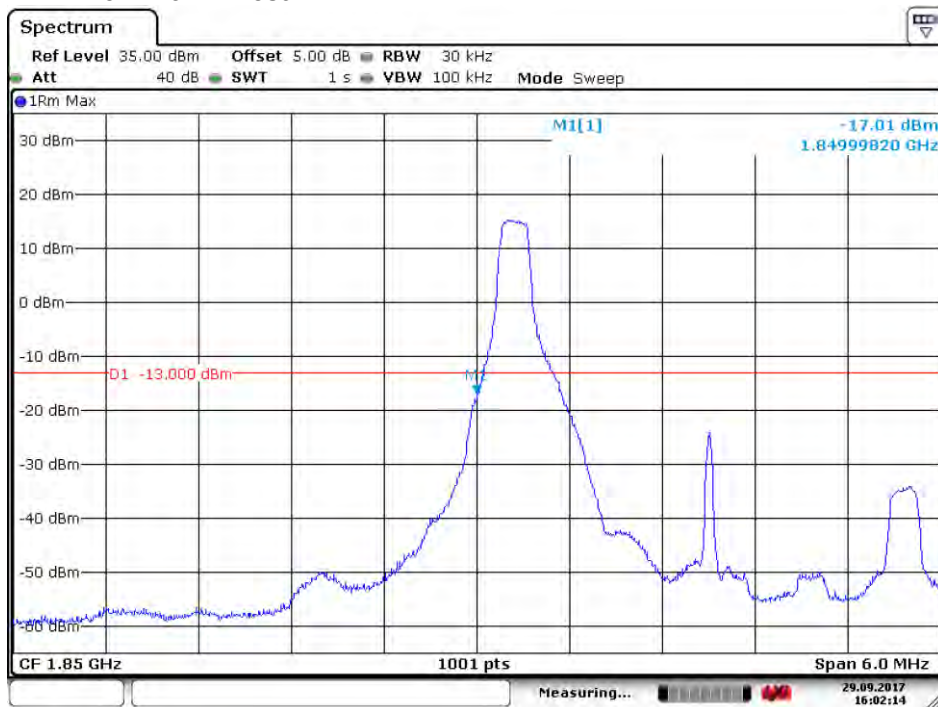


Date: 10.OCT.2017 14:37:36

**5.1.1.3 Test Mode = LTE/TM1 3MHz**

**5.1.1.3.1 Test Channel = LCH**

**5.1.1.3.1.1 Test RB=1RB**

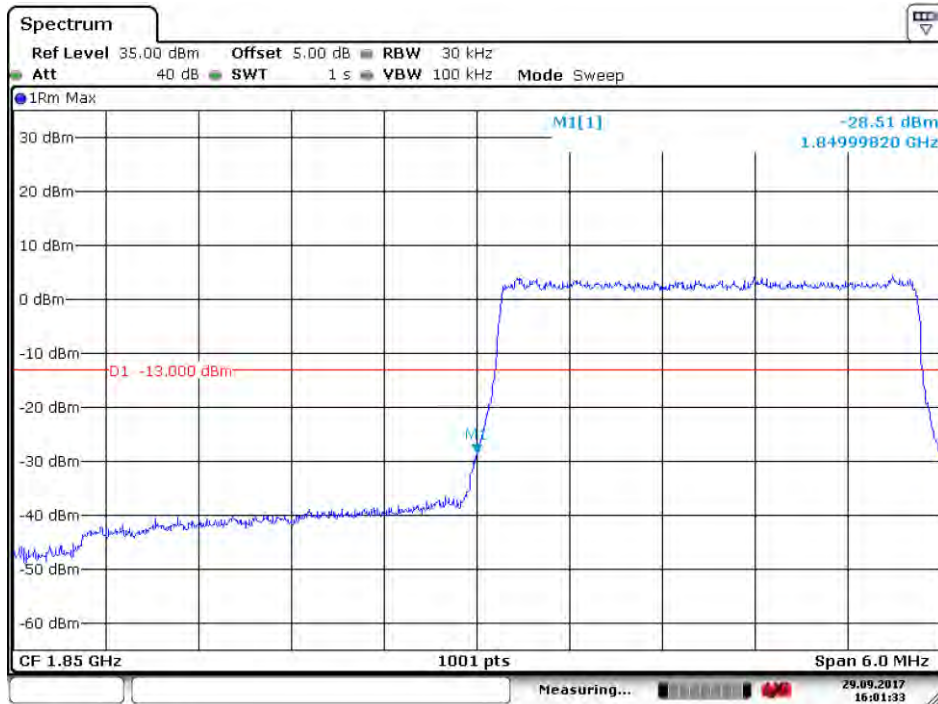


Date: 29.SEP.2017 16:02:15





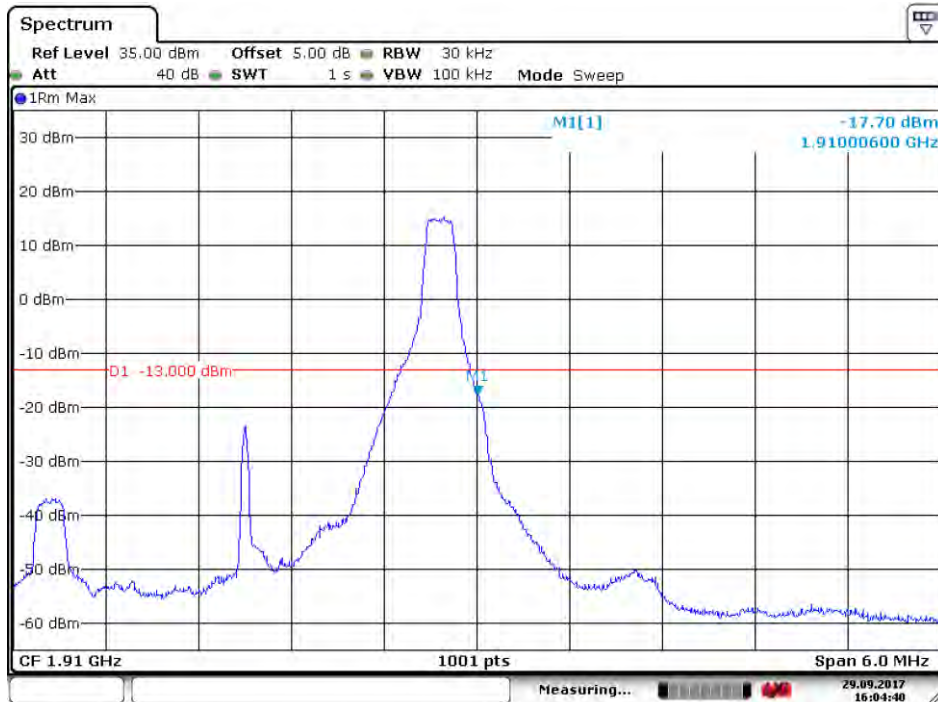
### 5.1.1.3.1.2 Test RB=15RB



Date: 29.SEP.2017 16:01:34

### 5.1.1.3.2 Test Channel = HCH

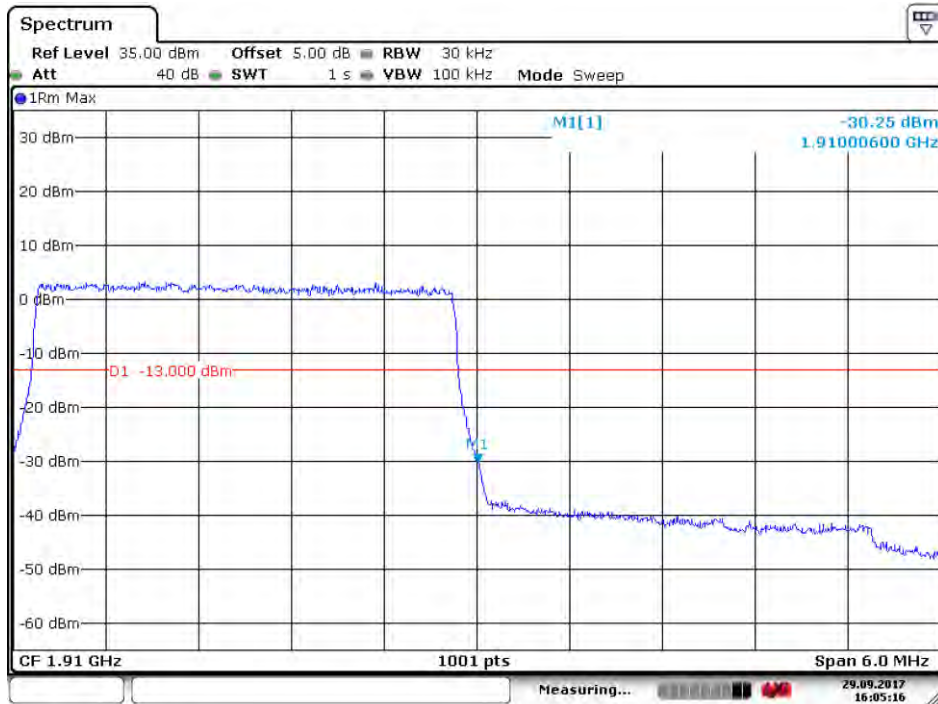
#### 5.1.1.3.2.1 Test RB=1RB



Date: 29.SEP.2017 16:04:40



5.1.1.3.2.2 Test RB=15RB

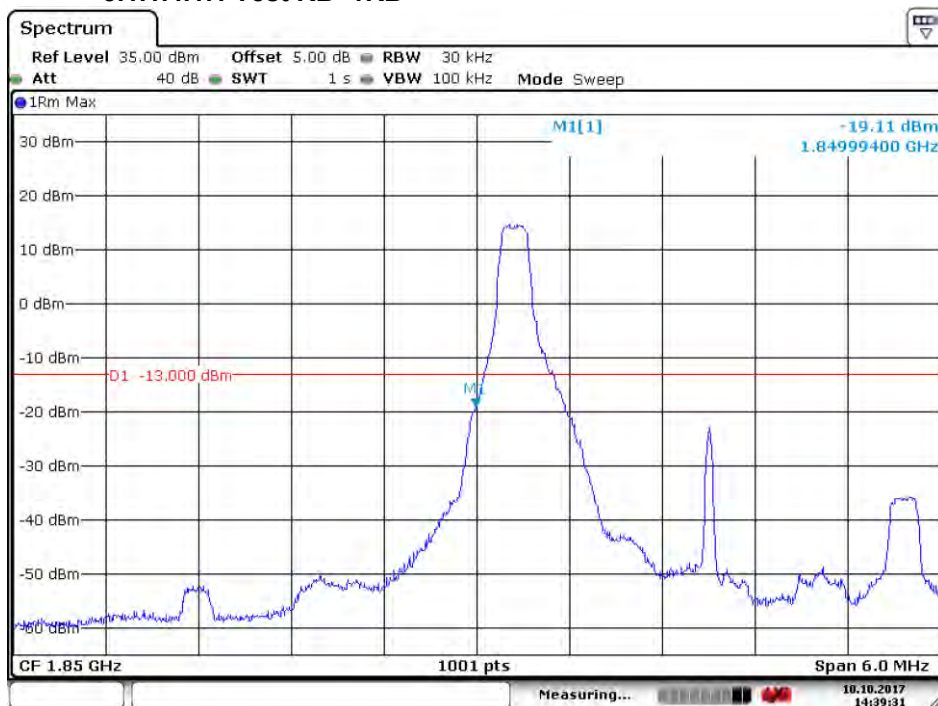


Date: 29.SEP.2017 16:05:16

5.1.1.4 Test Mode = LTE/TM2 3MHz

5.1.1.4.1 Test Channel = LCH

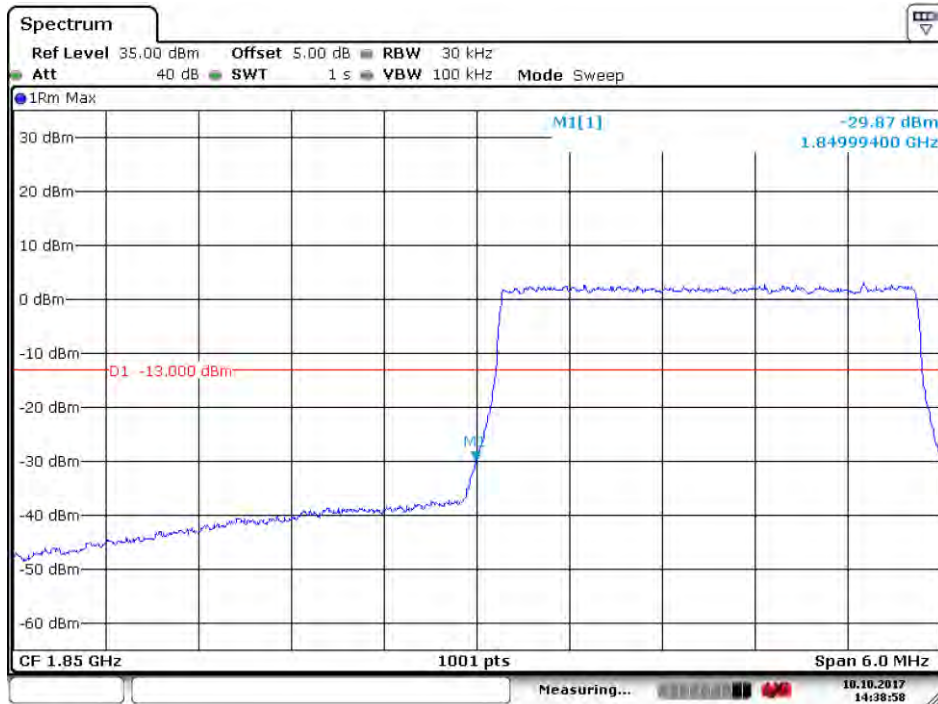
5.1.1.4.1.1 Test RB=1RB



Date: 10.OCT.2017 14:39:31



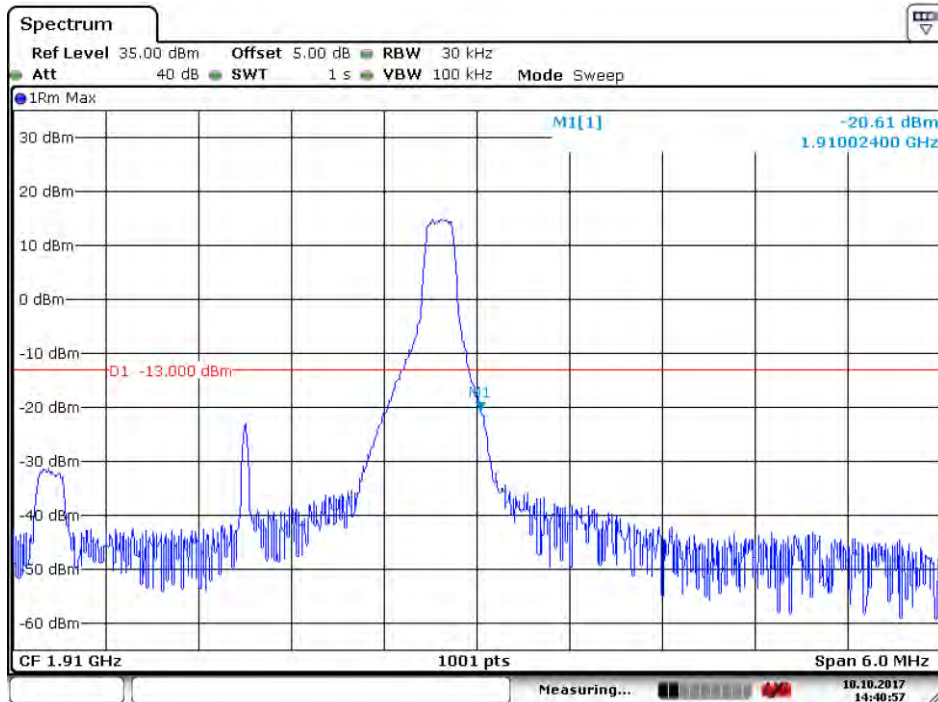
### 5.1.1.4.1.2 Test RB=15RB



Date: 10.OCT.2017 14:38:58

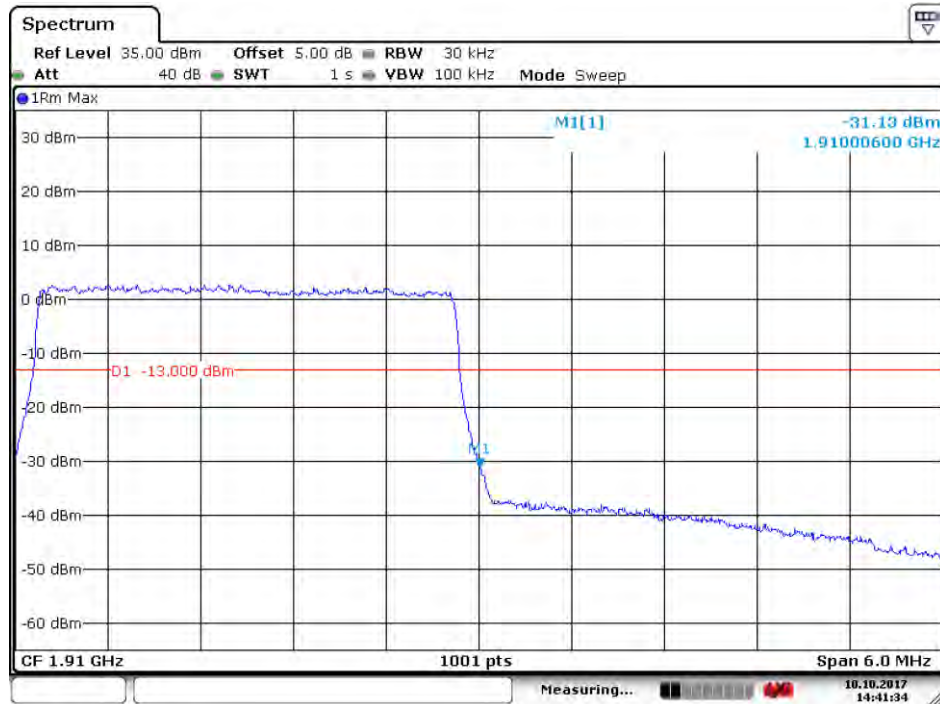
### 5.1.1.4.2 Test Channel = HCH

#### 5.1.1.4.2.1 Test RB=1RB



Date: 10.OCT.2017 14:40:58

**5.1.1.4.3 Test RB=15RB**

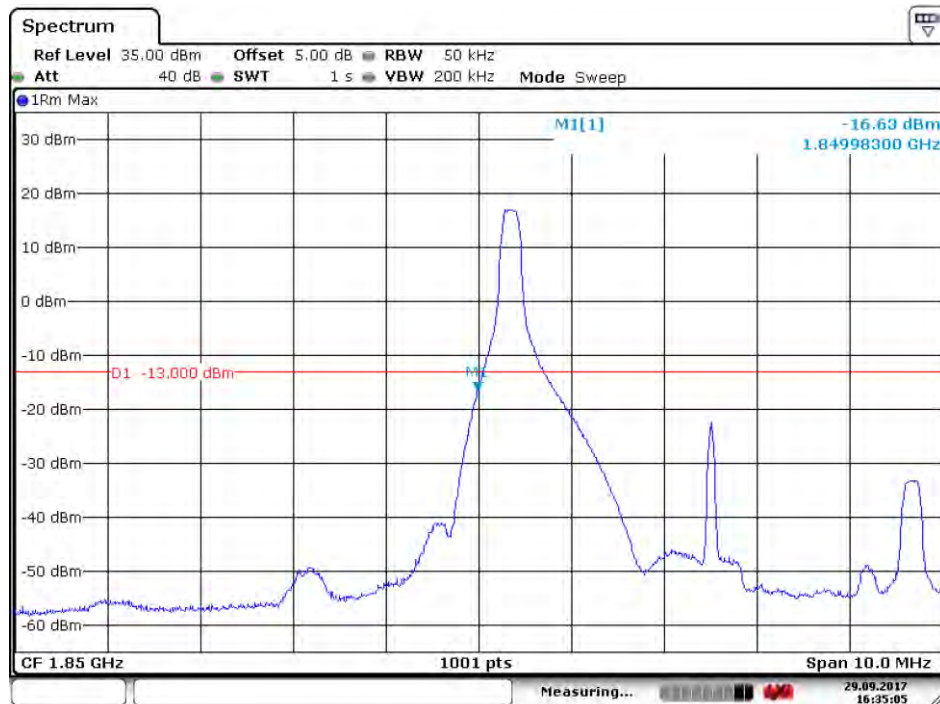


Date: 10.OCT.2017 14:41:34

**5.1.1.5 Test Mode = LTE/TM1 5MHz**

**5.1.1.5.1 Test Channel = LCH**

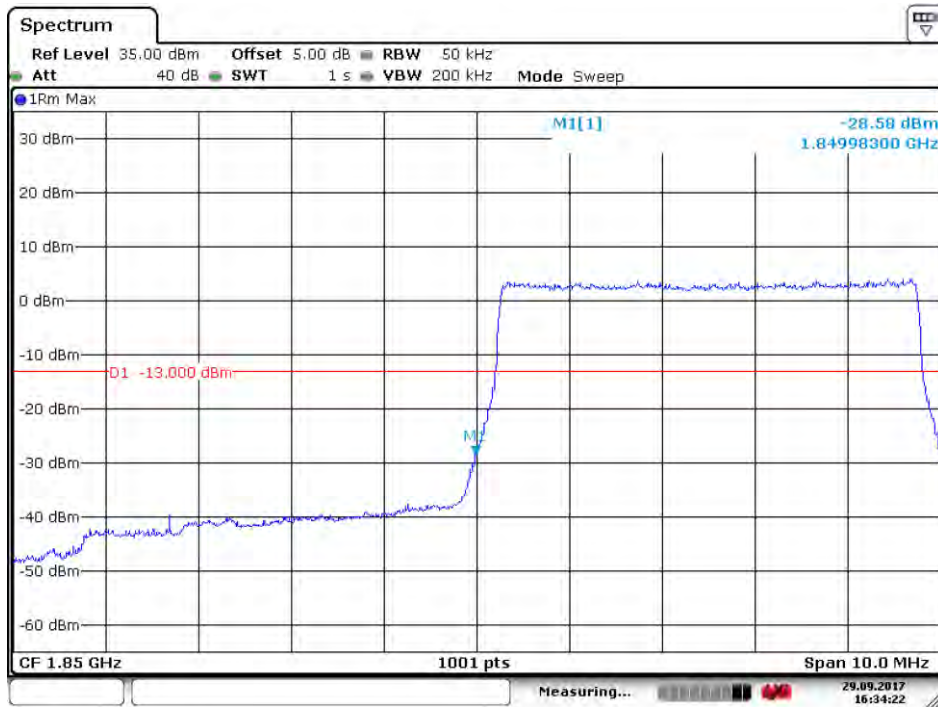
**5.1.1.5.1.1 Test RB=1RB**



Date: 29.SEP.2017 16:35:05



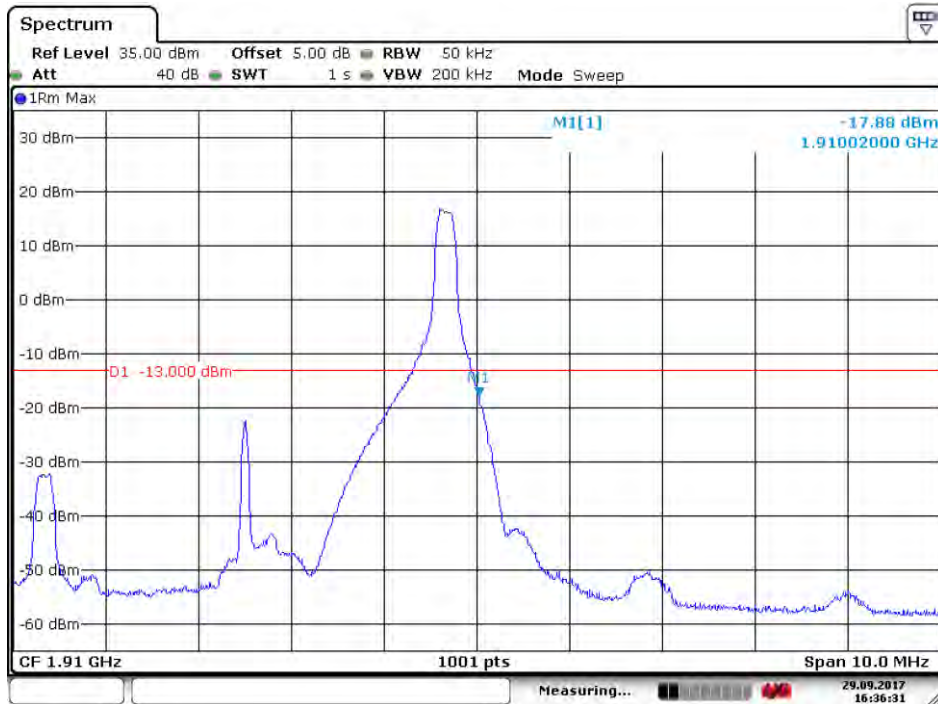
**5.1.1.5.1.2 Test RB=25RB**



Date: 29.SEP.2017 16:34:22

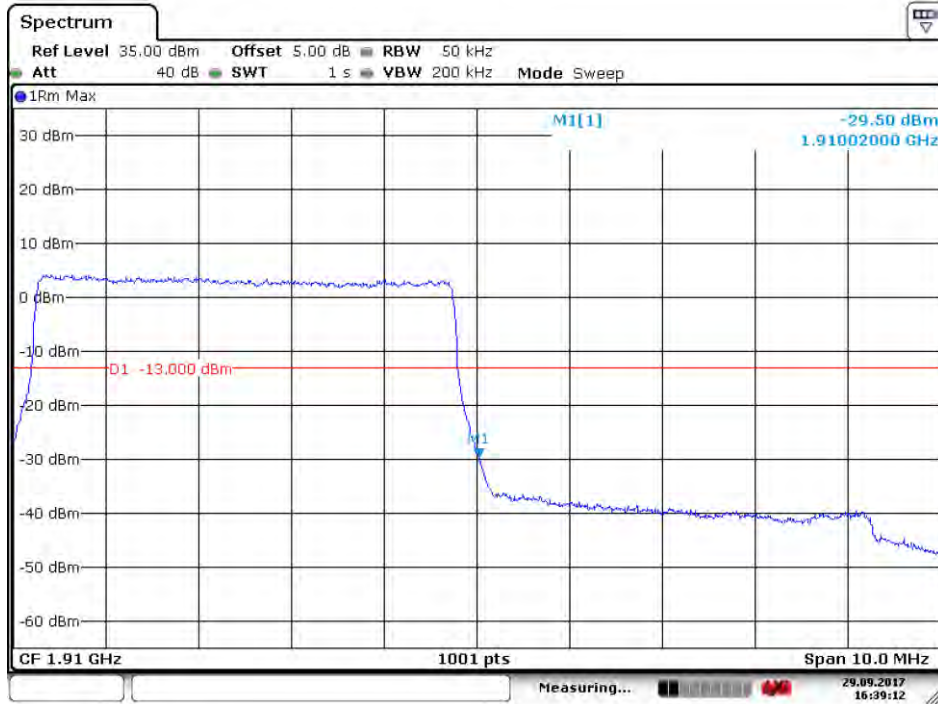
**5.1.1.5.2 Test Channel = HCH**

**5.1.1.5.2.1 Test RB=1RB**



Date: 29.SEP.2017 16:36:32

**5.1.1.5.2.2 Test RB=25RB**

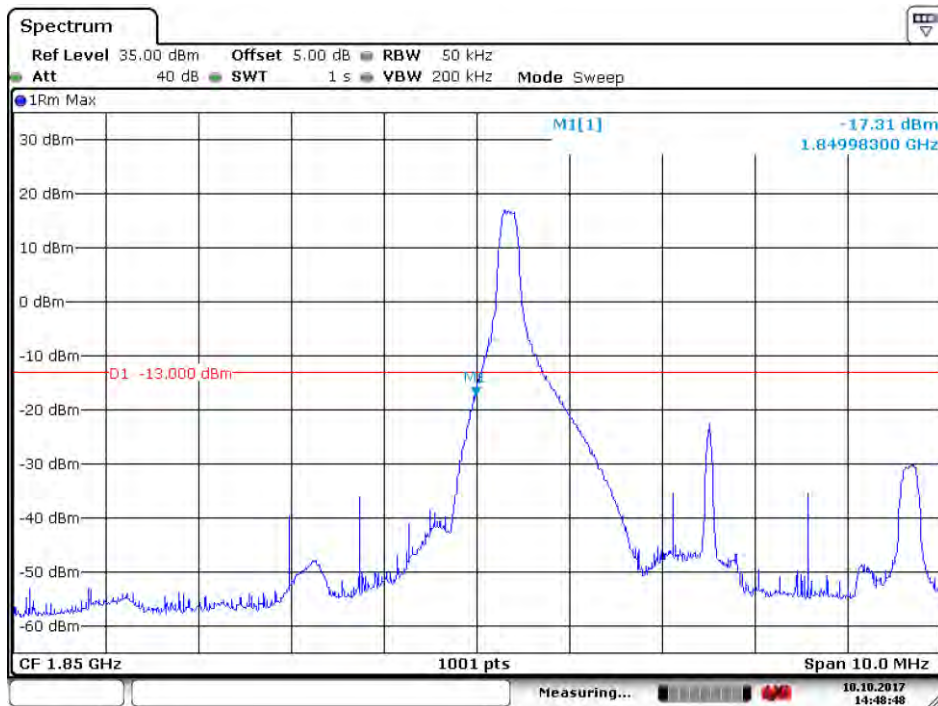


Date: 29.SEP.2017 16:39:12

**5.1.1.6 Test Mode = LTE/TM2 5MHz**

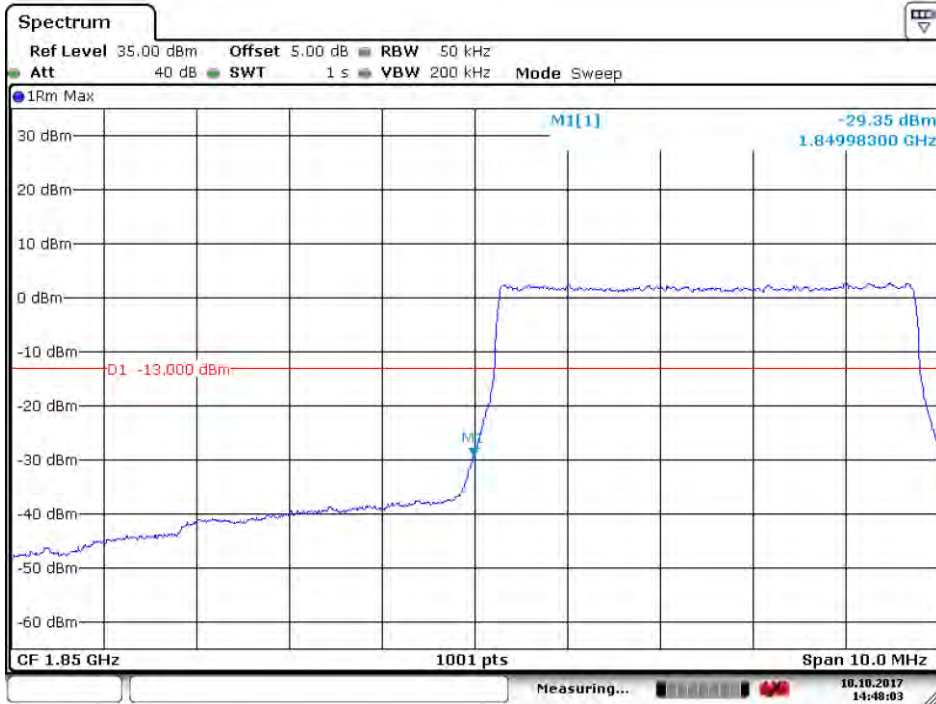
**5.1.1.6.1 Test Channel = LCH**

**5.1.1.6.1.1 Test RB=1RB**



Date: 10.OCT.2017 14:48:48

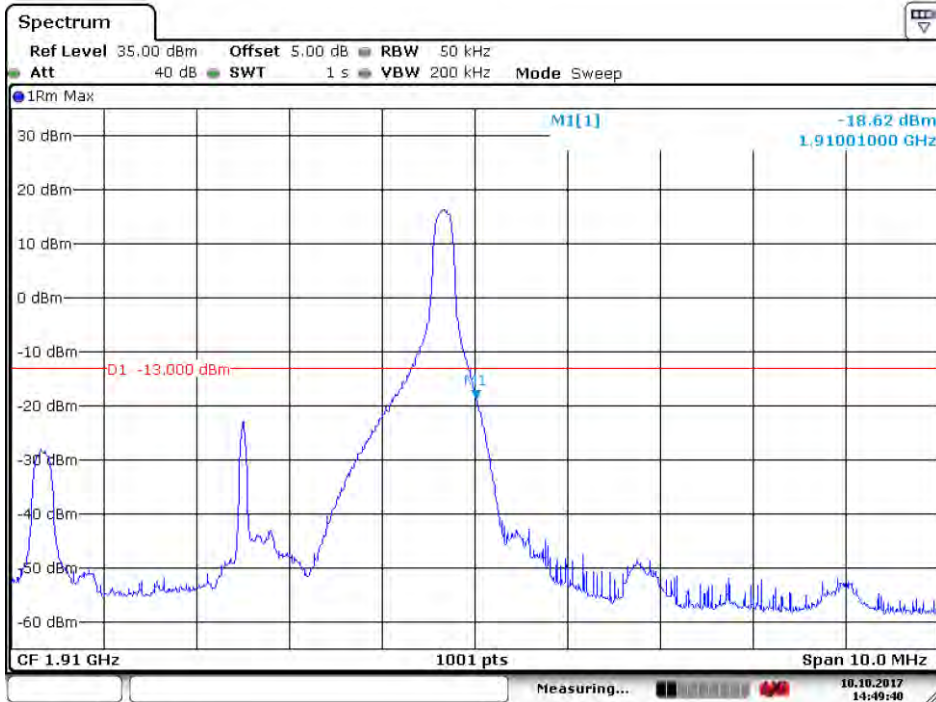
**5.1.1.6.1.2 Test RB=25RB**



Date: 10.OCT.2017 14:48:03

**5.1.1.6.2 Test Channel = HCH**

**5.1.1.6.2.1 Test RB=1RB**

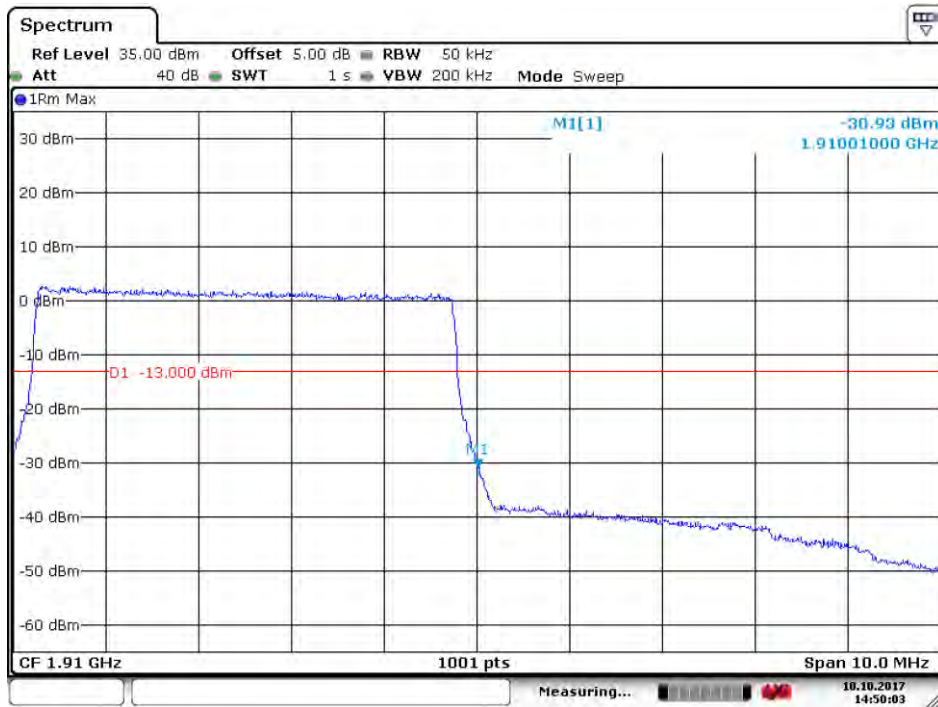


Date: 10.OCT.2017 14:49:41





5.1.1.6.2.2 Test RB=25RB

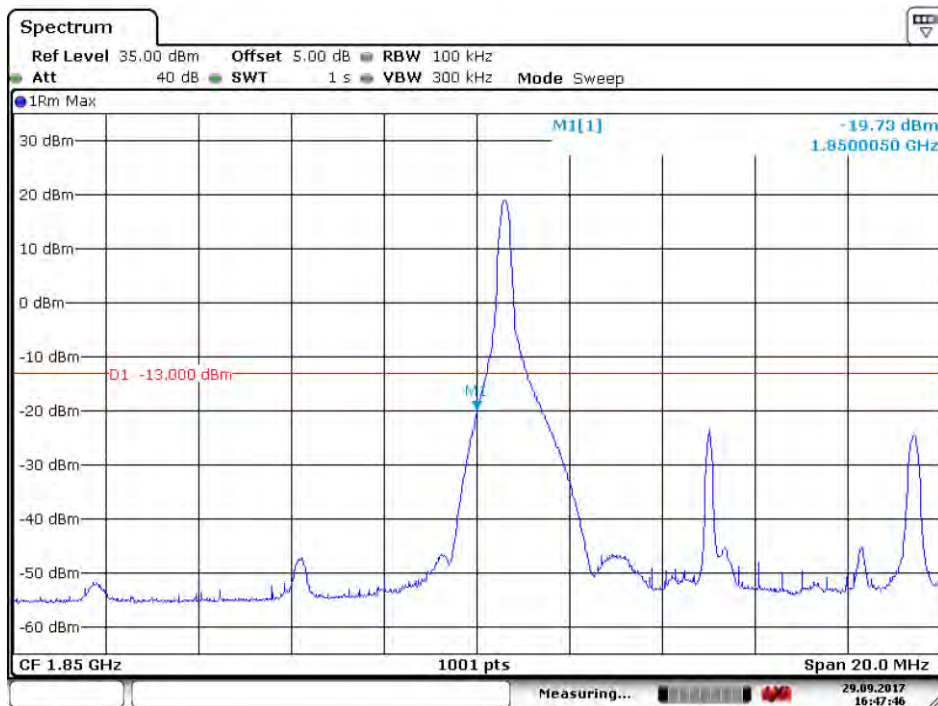


Date: 10.OCT.2017 14:50:03

5.1.1.7 Test Mode = LTE/TM1 10MHz

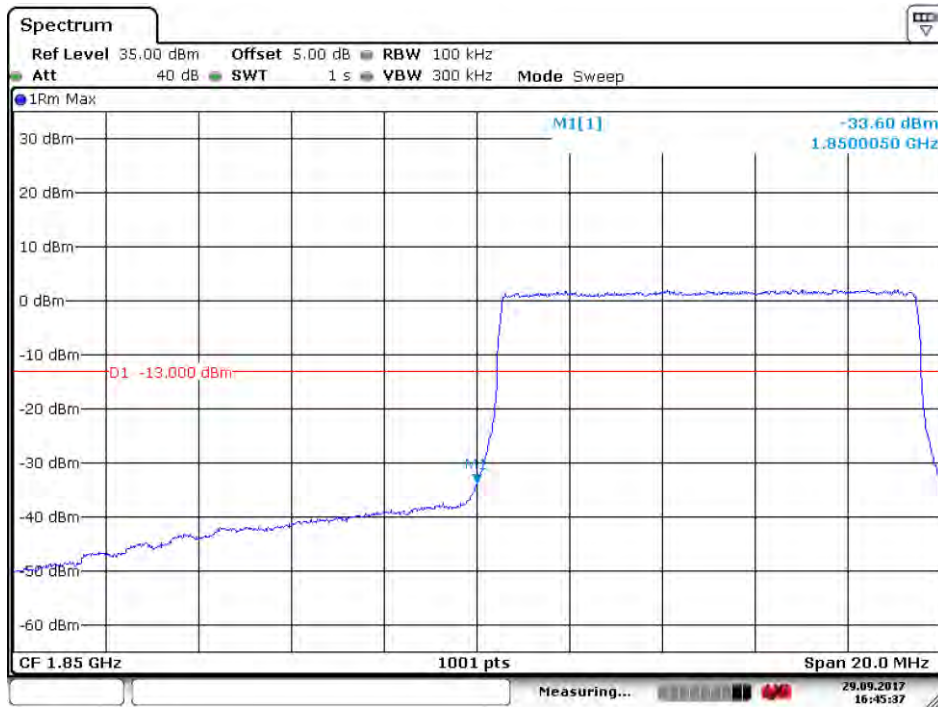
5.1.1.7.1 Test Channel = LCH

5.1.1.7.1.1 Test RB=1RB



Date: 29.SEP.2017 16:47:46

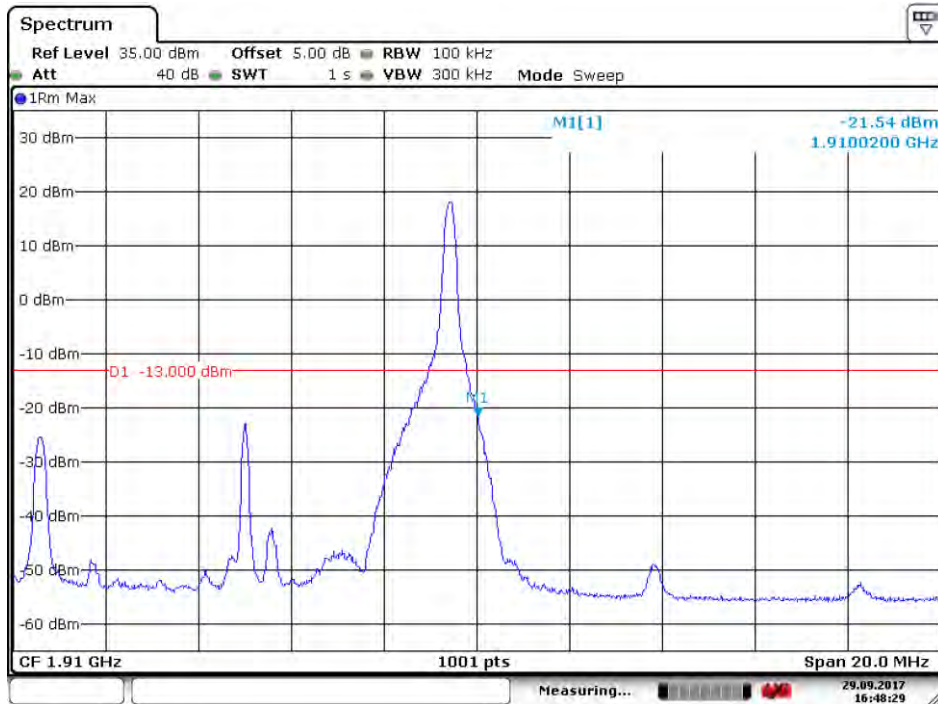
**5.1.1.7.1.2 Test RB=50RB**



Date: 29.SEP.2017 16:45:38

**5.1.1.7.2 Test Channel = HCH**

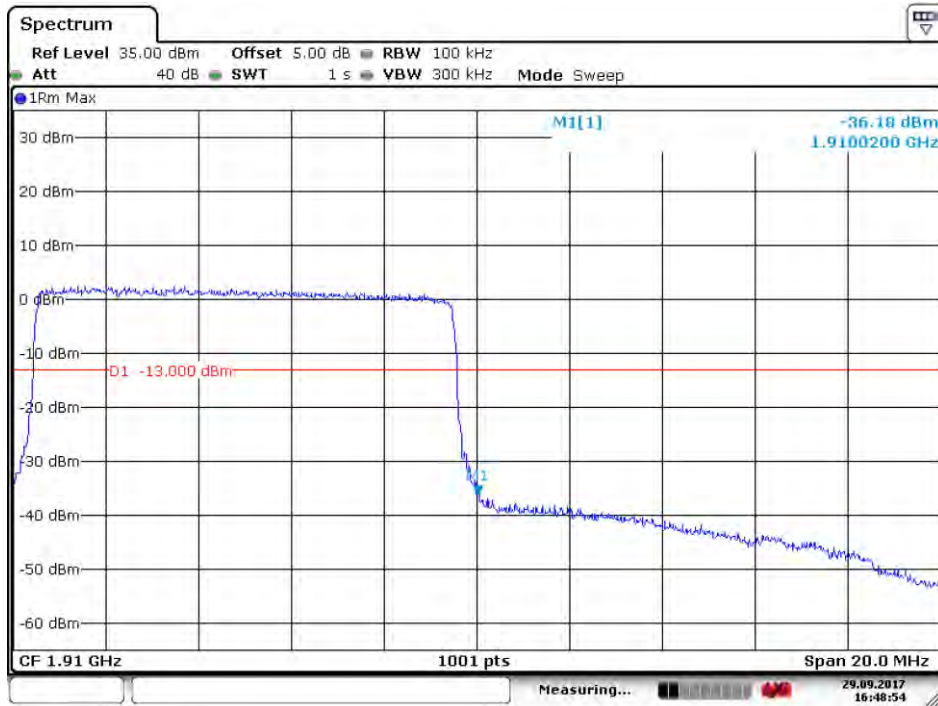
**5.1.1.7.2.1 Test RB=1RB**



Date: 29.SEP.2017 16:48:29



### 5.1.1.7.2.2 Test RB=50RB

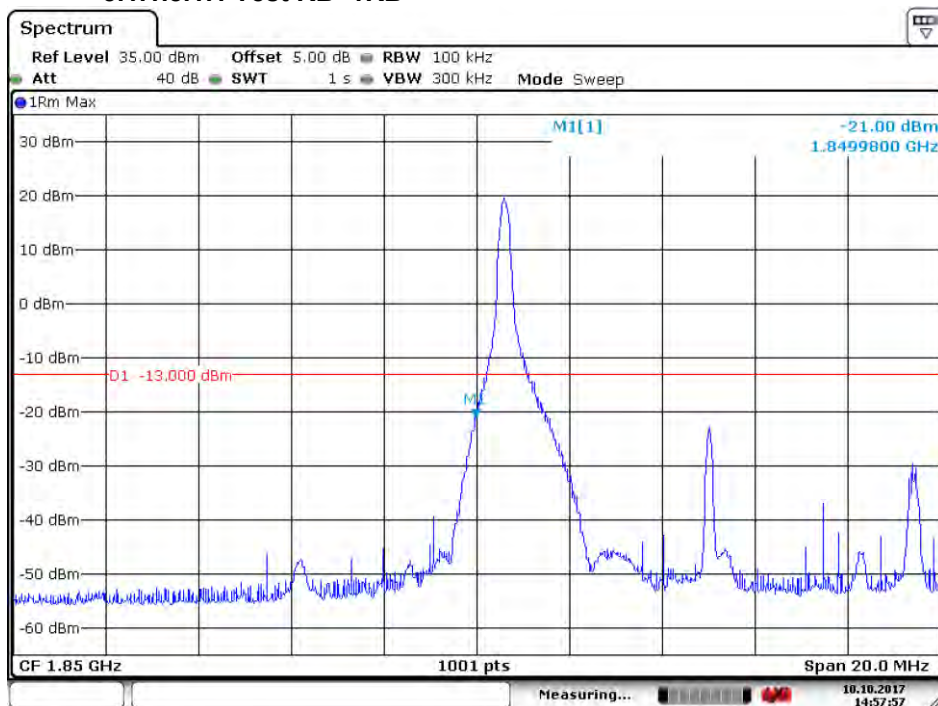


Date: 29.SEP.2017 16:48:54

### 5.1.1.8 Test Mode = LTE/TM2 10MHz

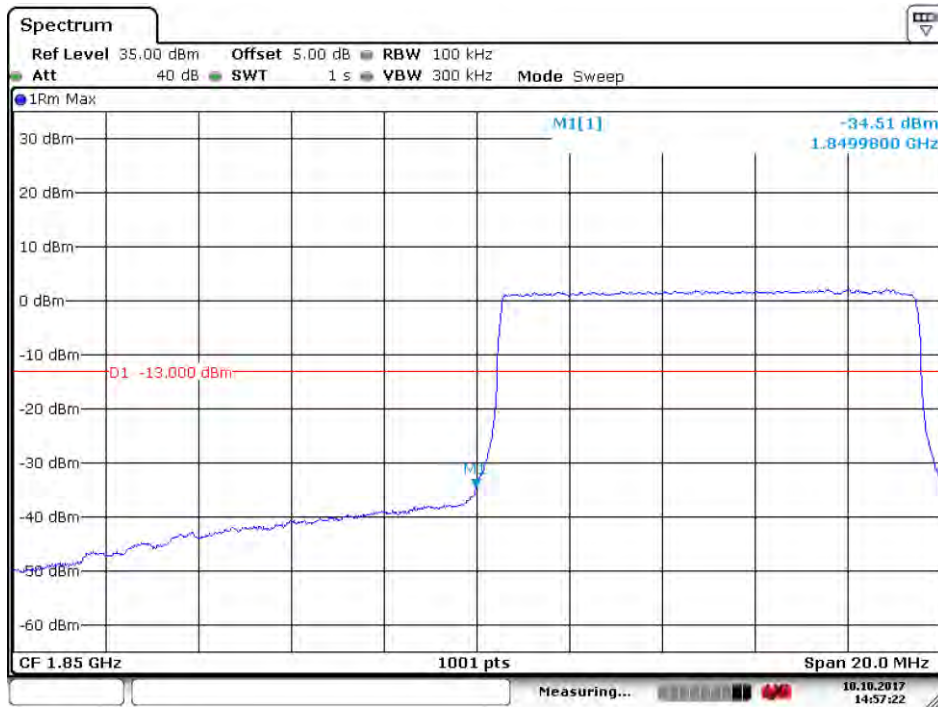
#### 5.1.1.8.1 Test Channel = LCH

##### 5.1.1.8.1.1 Test RB=1RB



Date: 10.OCT.2017 14:57:57

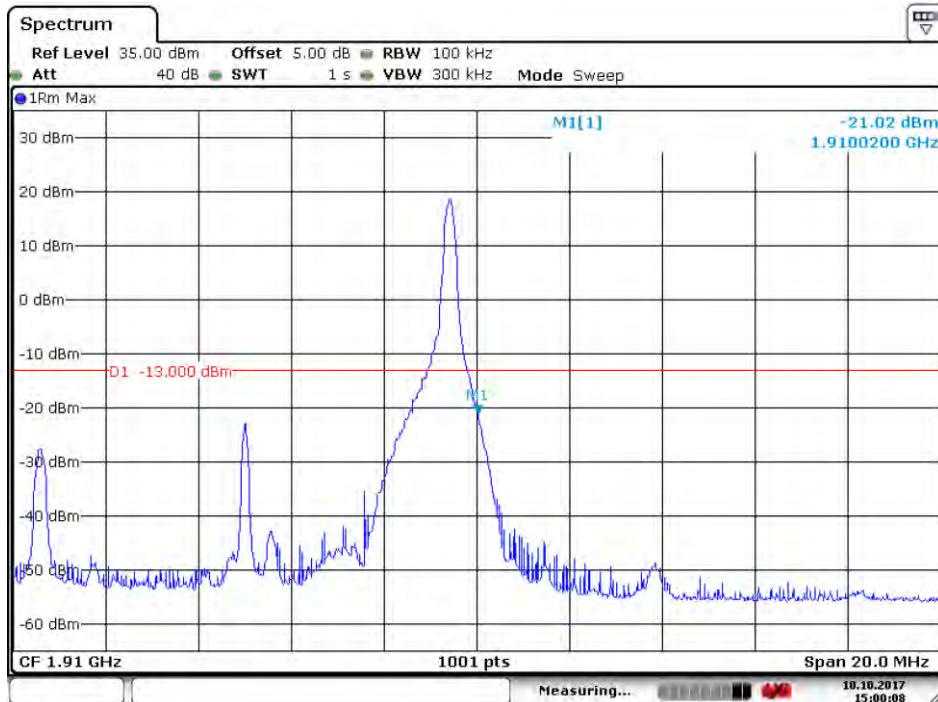
**5.1.1.8.1.2 Test RB=50RB**



Date: 10.OCT.2017 14:57:23

**5.1.1.8.2 Test Channel = HCH**

**5.1.1.8.2.1 Test RB=1RB**

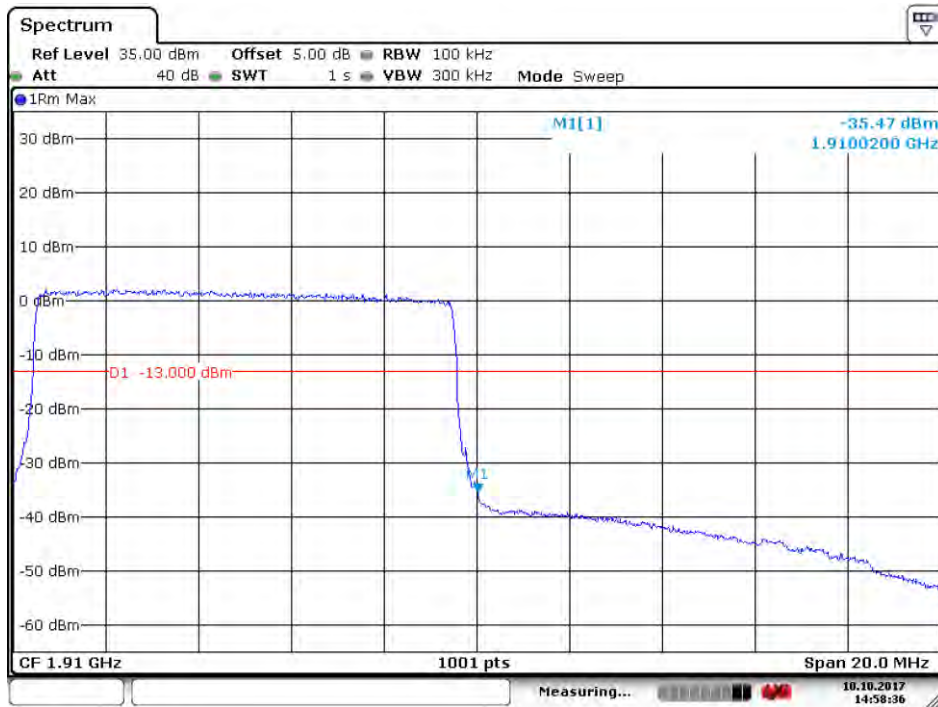


Date: 10.OCT.2017 15:00:08





5.1.1.8.2.2 Test RB=50RB

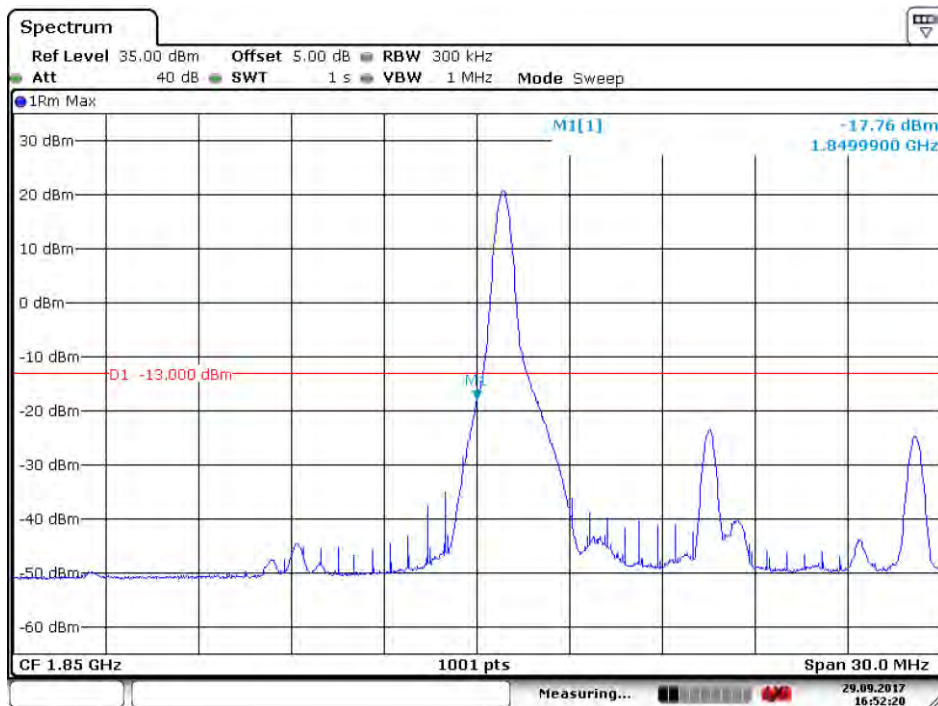


Date: 10.OCT.2017 14:58:36

5.1.1.9 Test Mode = LTE/TM1 15MHz

5.1.1.9.1 Test Channel = LCH

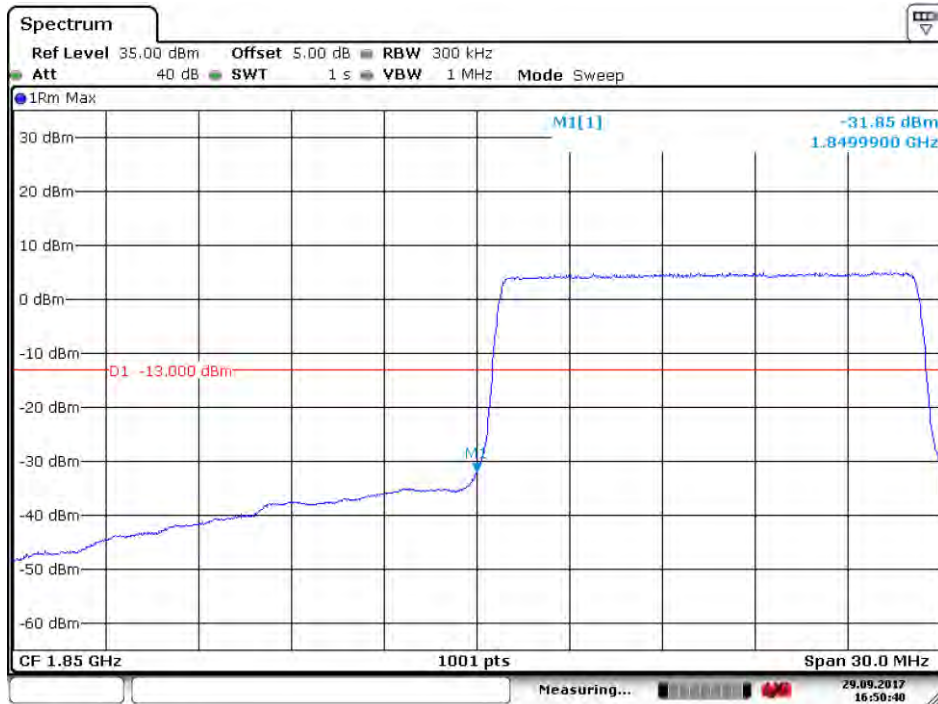
5.1.1.9.1.1 Test RB=1RB



Date: 29.OCT.2017 16:52:20



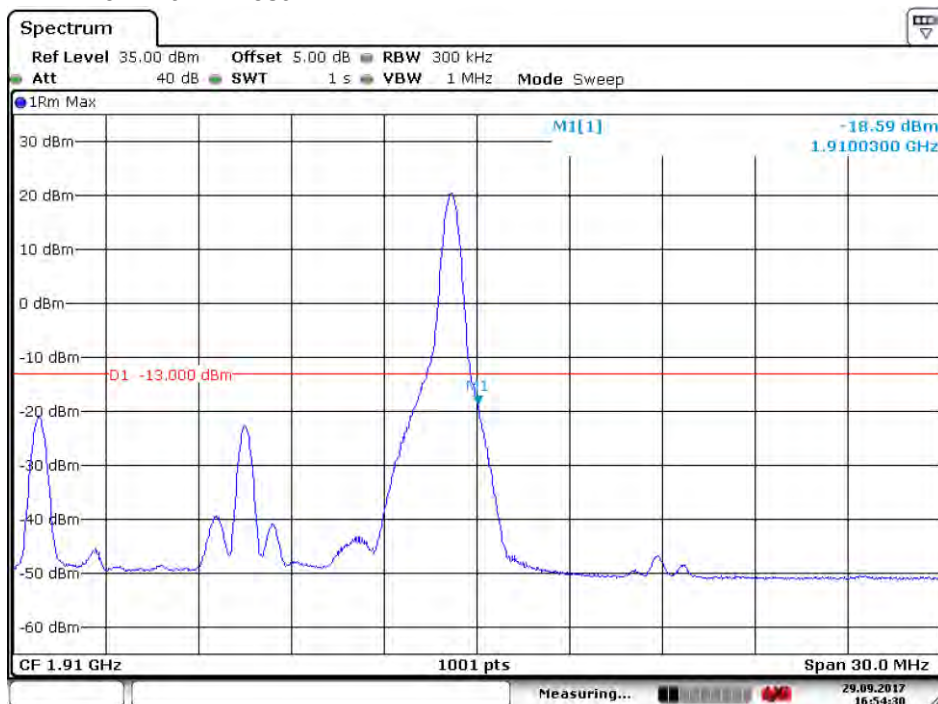
### 5.1.1.9.1.2 Test RB=75RB



Date: 29.SEP.2017 16:50:41

### 5.1.1.9.2 Test Channel = HCH

#### 5.1.1.9.2.1 Test RB=1RB

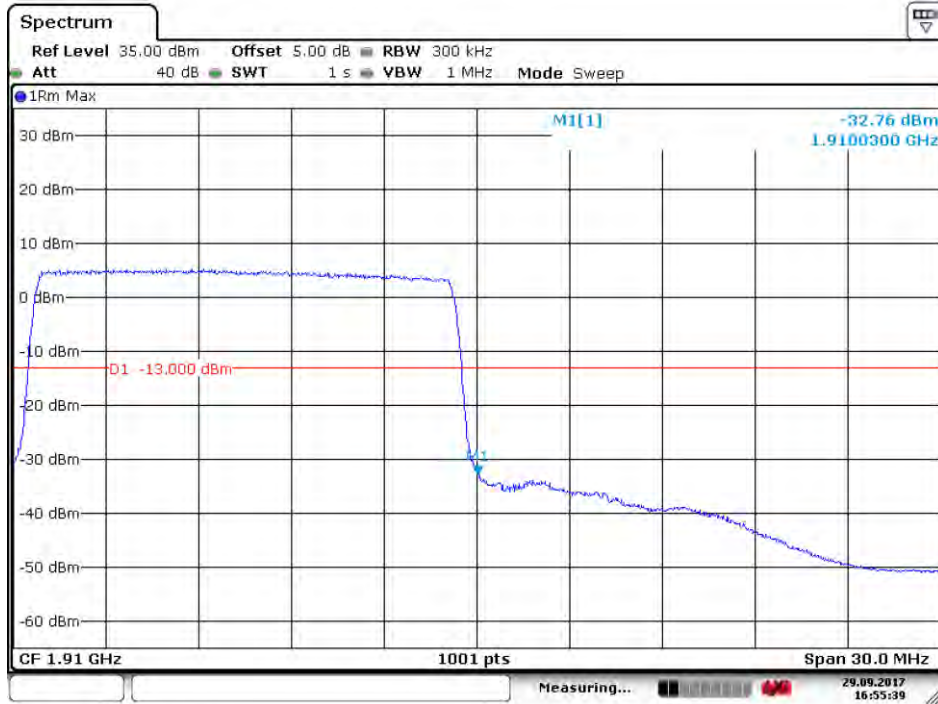


Date: 29.SEP.2017 16:54:31





5.1.1.9.2.2 Test RB=75RB

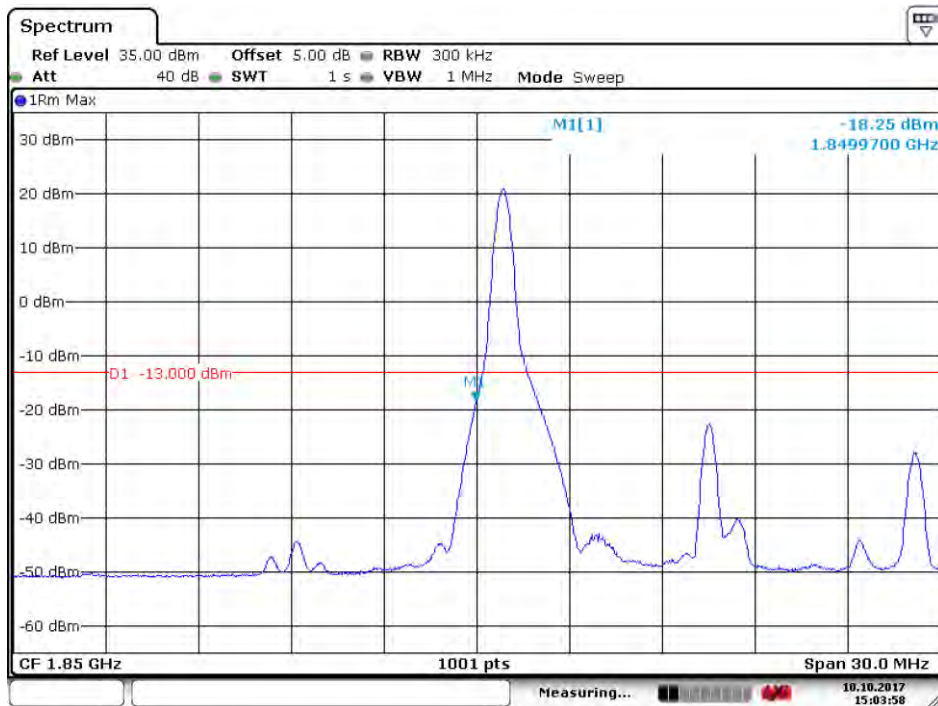


Date: 29.SEP.2017 16:55:40

5.1.1.10 Test Mode = LTE/TM2 15MHz

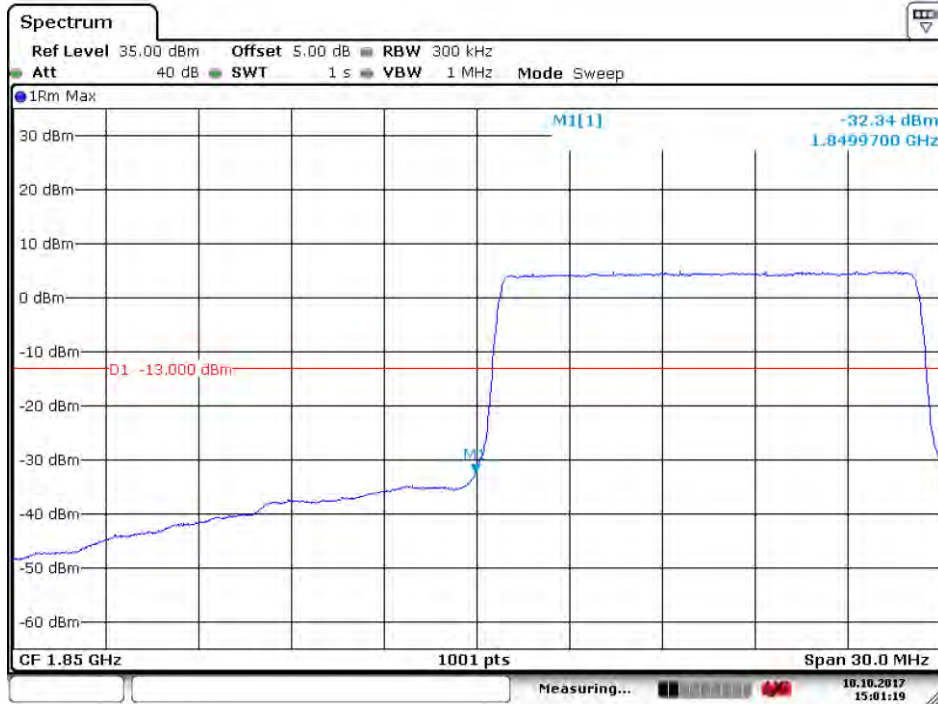
5.1.1.10.1 Test Channel = LCH

5.1.1.10.1.1 Test RB=1RB



Date: 10.OCT.2017 15:03:58

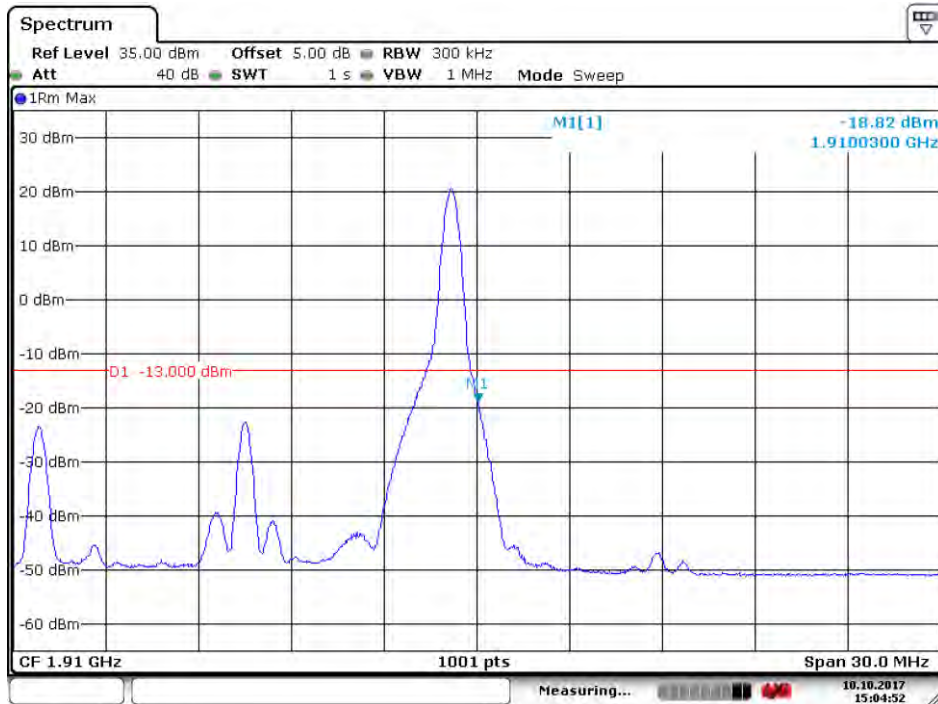
**5.1.1.10.1.2 Test RB=75RB**



Date: 10.OCT.2017 15:01:19

**5.1.1.10.2 Test Channel = HCH**

**5.1.1.10.2.1 Test RB=1RB**



Date: 10.OCT.2017 15:04:53

**5.1.1.10.2 Test RB=75RB**

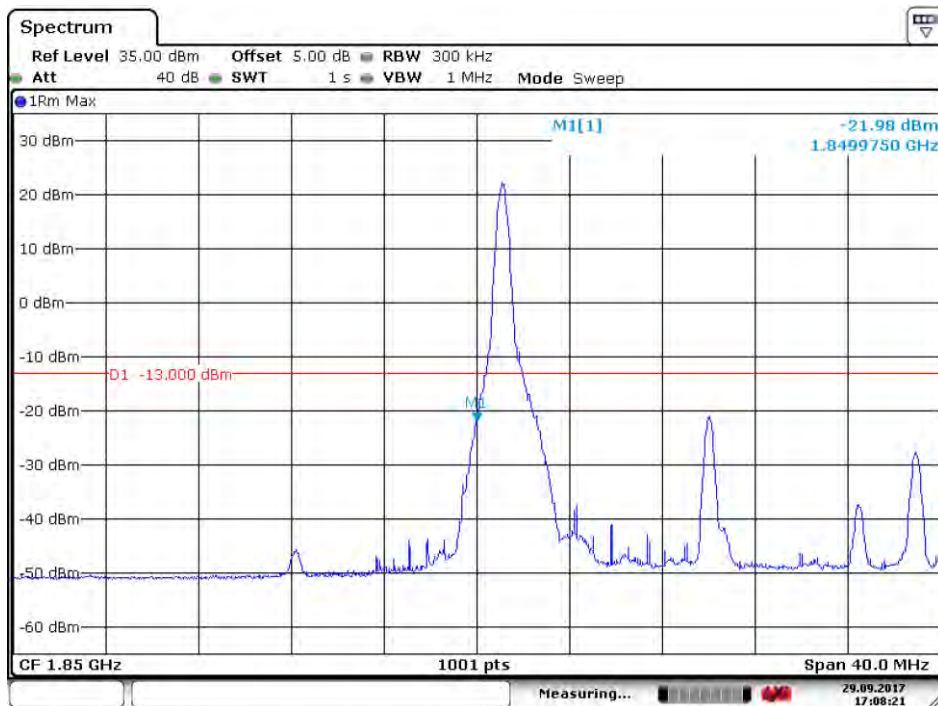


Date: 10.OCT.2017 15:05:18

**5.1.1.11 Test Mode = LTE/TM1 20MHz**

**5.1.1.11.1 Test Channel = LCH**

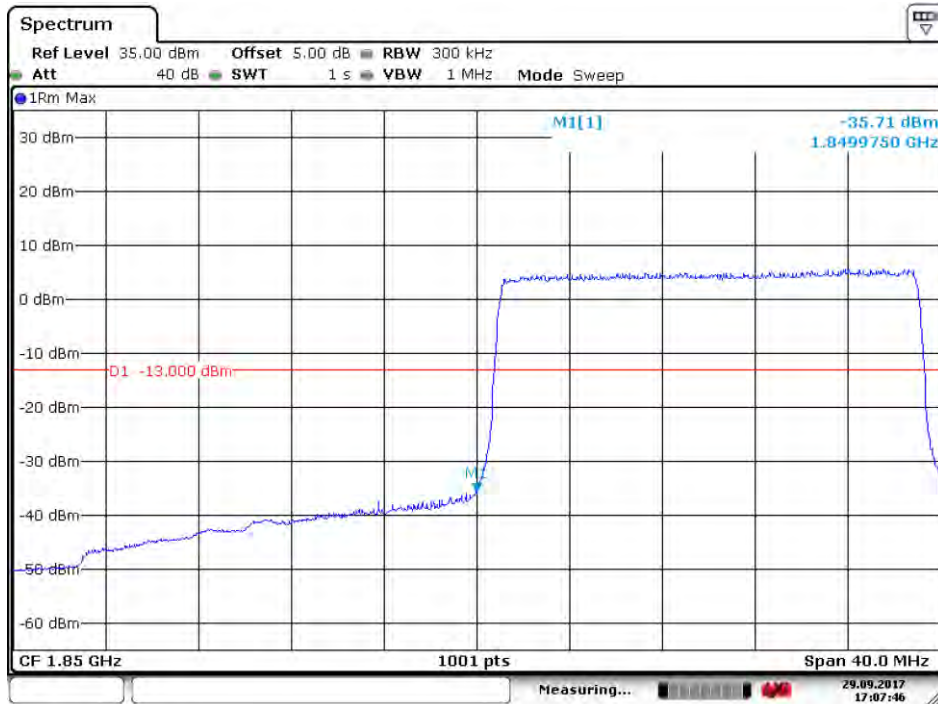
**5.1.1.11.1.1 Test RB=1RB**



Date: 29.SEP.2017 17:08:22



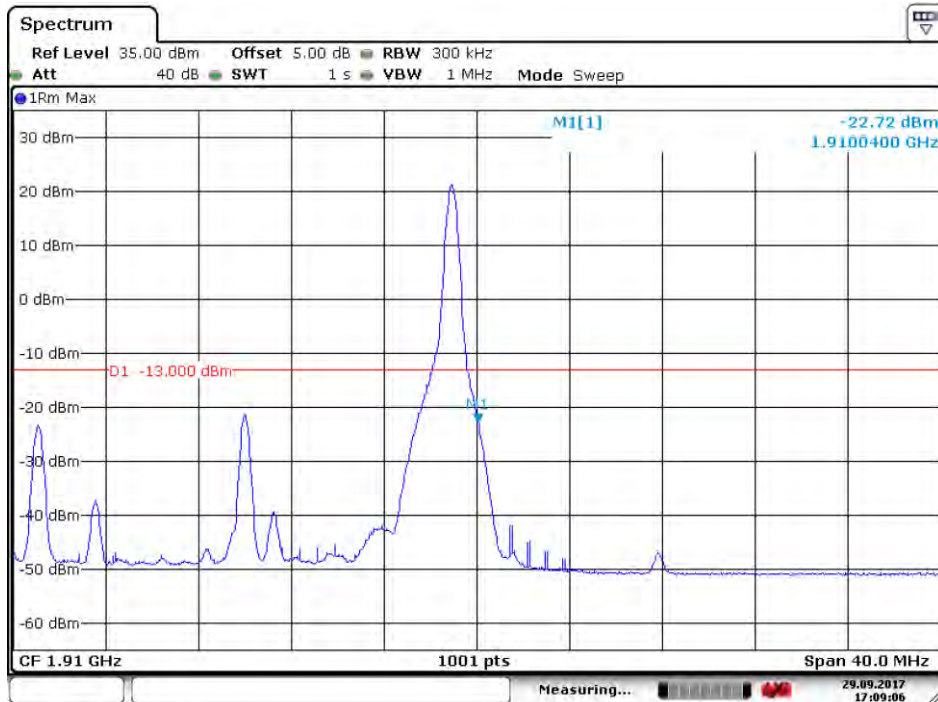
5.1.1.11.1.2 Test RB=100RB



Date: 29.SEP.2017 17:07:47

5.1.1.11.2 Test Channel = HCH

5.1.1.11.2.1 Test RB=1RB

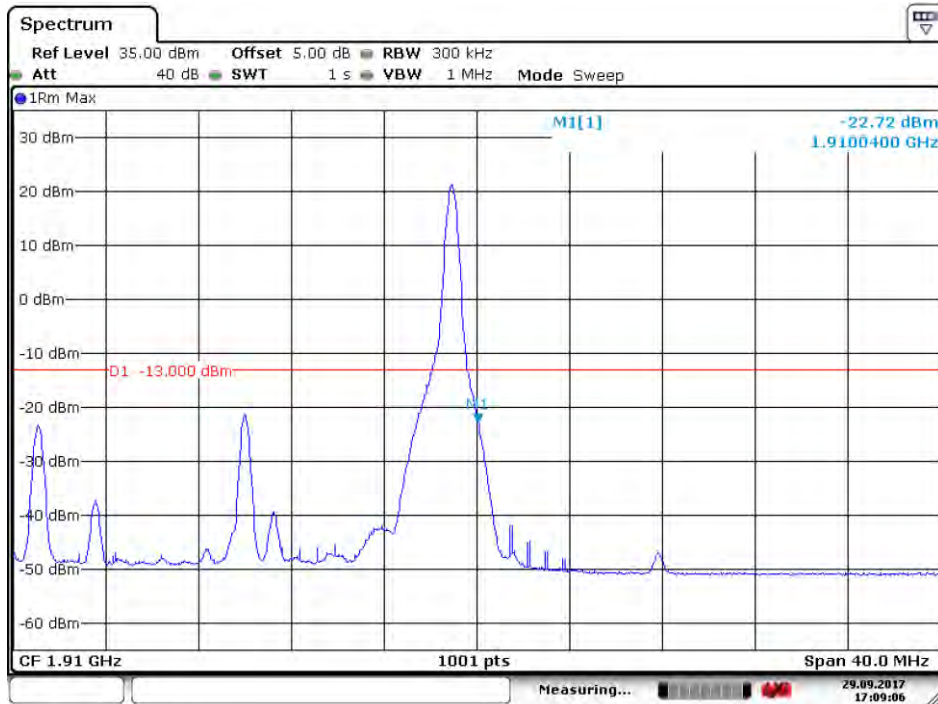


Date: 29.SEP.2017 17:09:06





5.1.1.11.2.2 Test RB=100RB

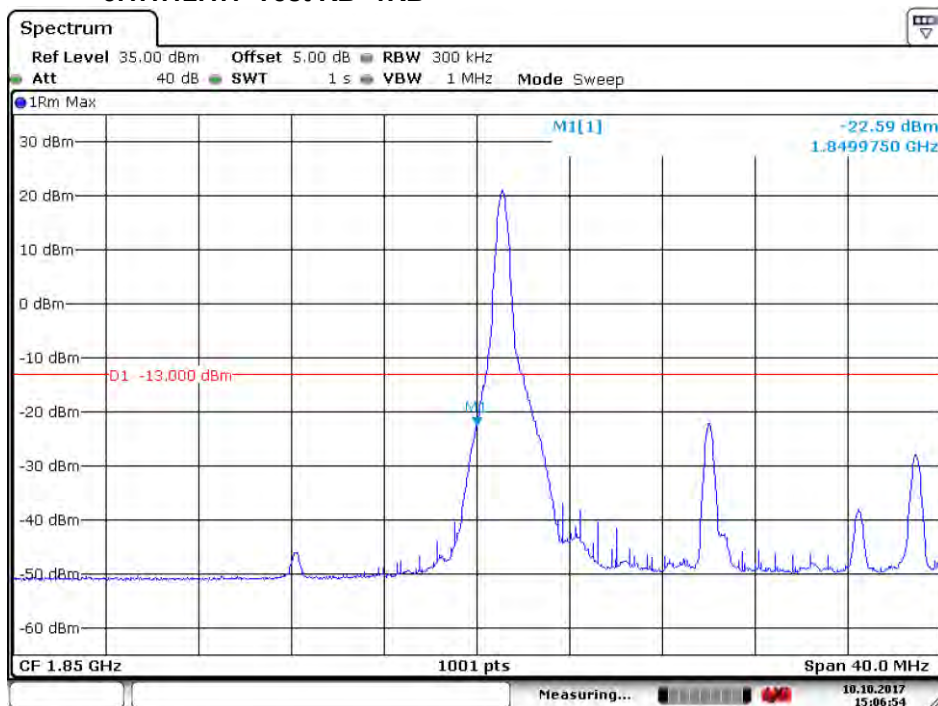


Date: 29.SEP.2017 17:09:06

5.1.1.12 Test Mode = LTE/TM2 20MHz

5.1.1.12.1 Test Channel = LCH

5.1.1.12.1.1 Test RB=1RB

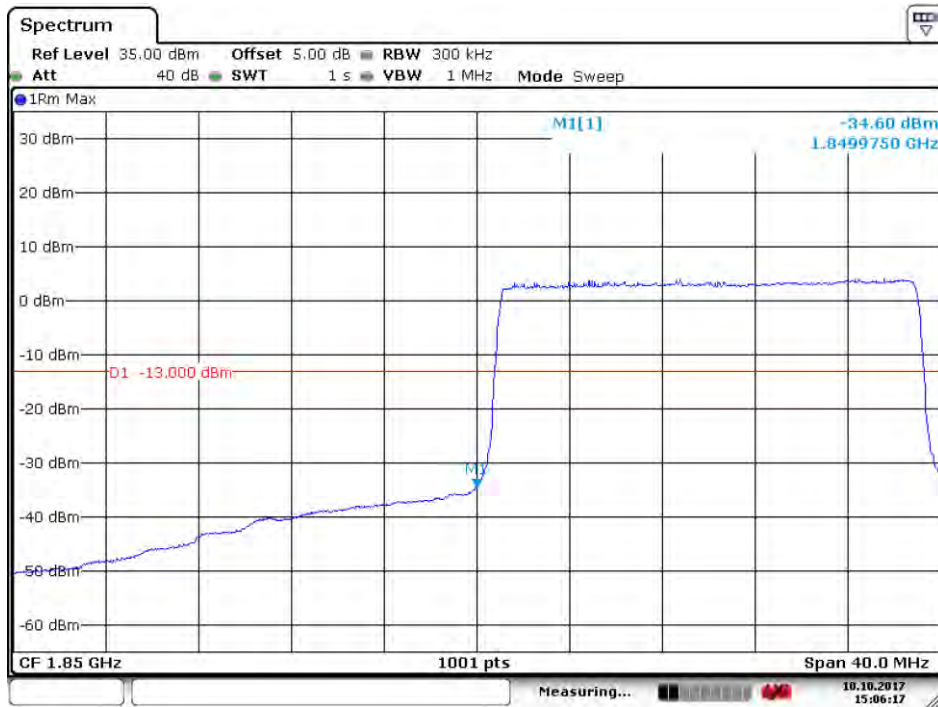


Date: 10.OCT.2017 15:06:54





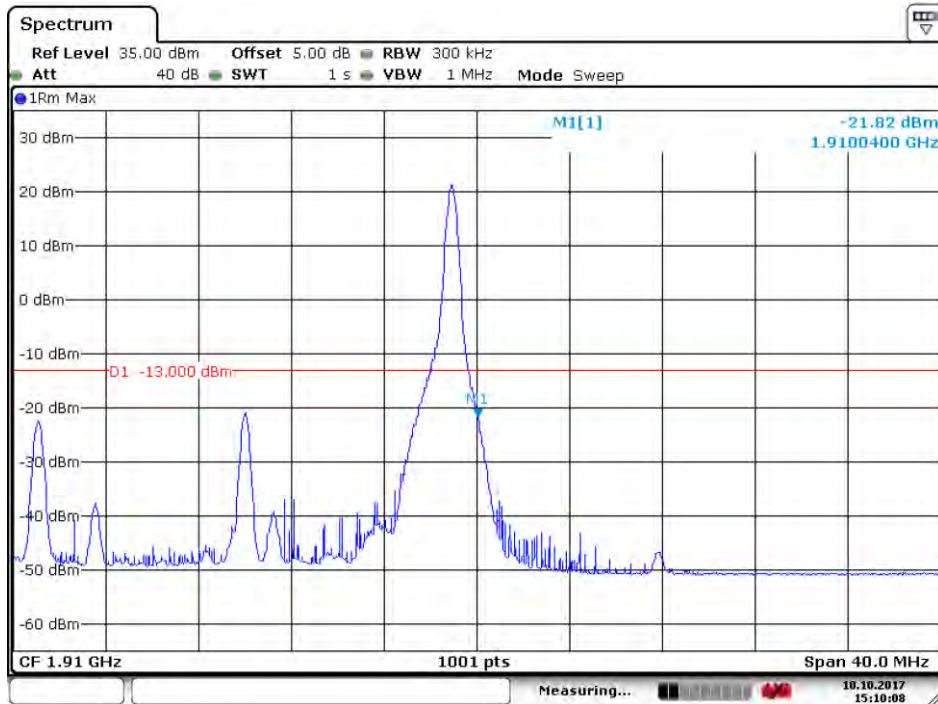
5.1.1.12.1.2 Test RB=100RB



Date: 10.OCT.2017 15:06:17

5.1.1.12.2 Test Channel = HCH

5.1.1.12.2.1 Test RB=1RB



Date: 10.OCT.2017 15:10:09



5.1.1.12.2.2 Test RB=100RB



Date: 10.OCT.2017 15:10:41



## 6 Spurious Emission at Antenna Terminal

NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (Span / RBW)$ " with  $k$  between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

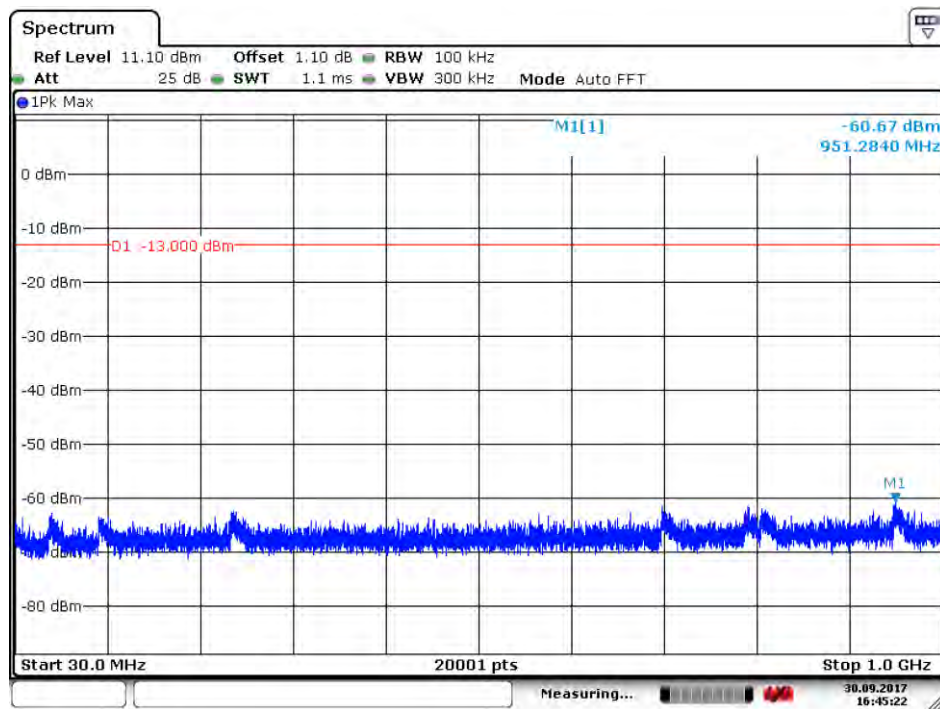
Part I - Test Plots

### 6.1 For LTE

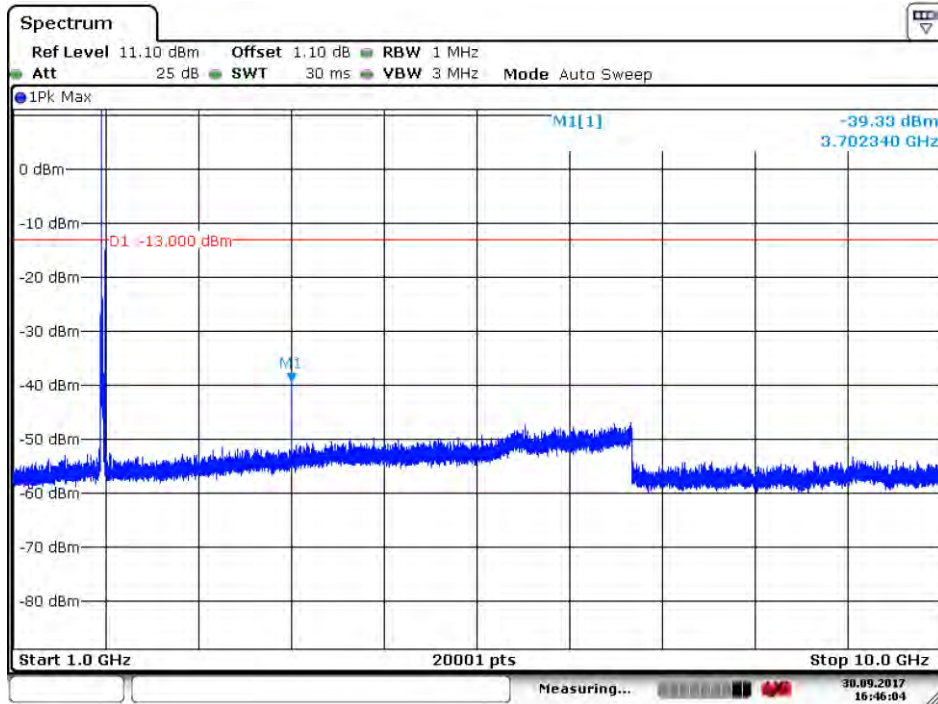
#### 6.1.1 Test Band = LTE band2

##### 6.1.1.1 Test Mode = LTE / TM1 20MHz RB1#0

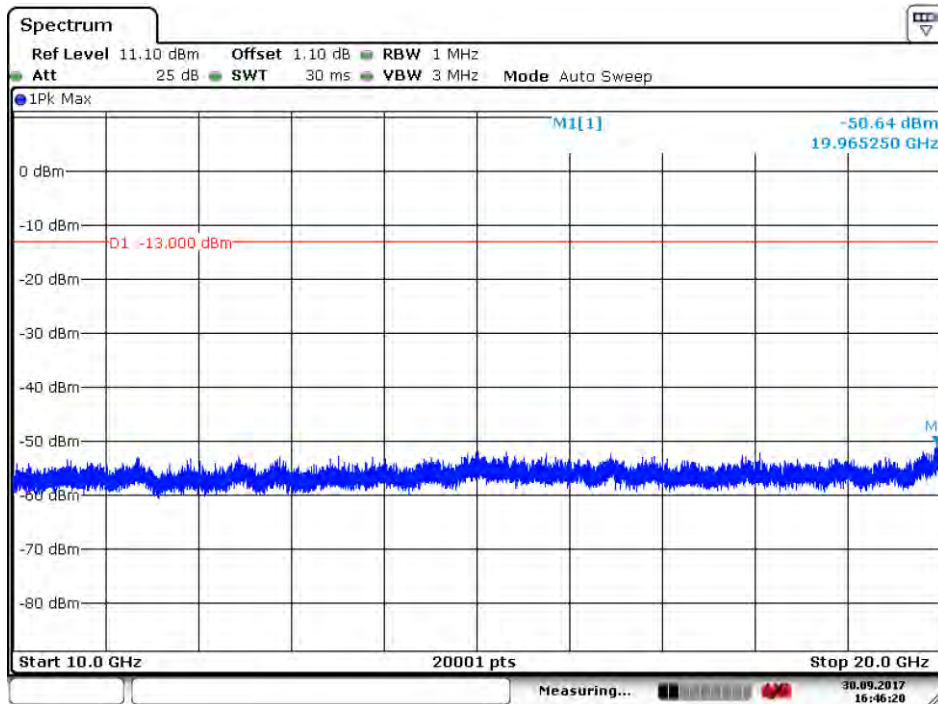
##### 6.1.1.1.1 Test Channel = LCH



Date: 30.SEP.2017 16:45:22



Date: 30.SEP.2017 16:46:04

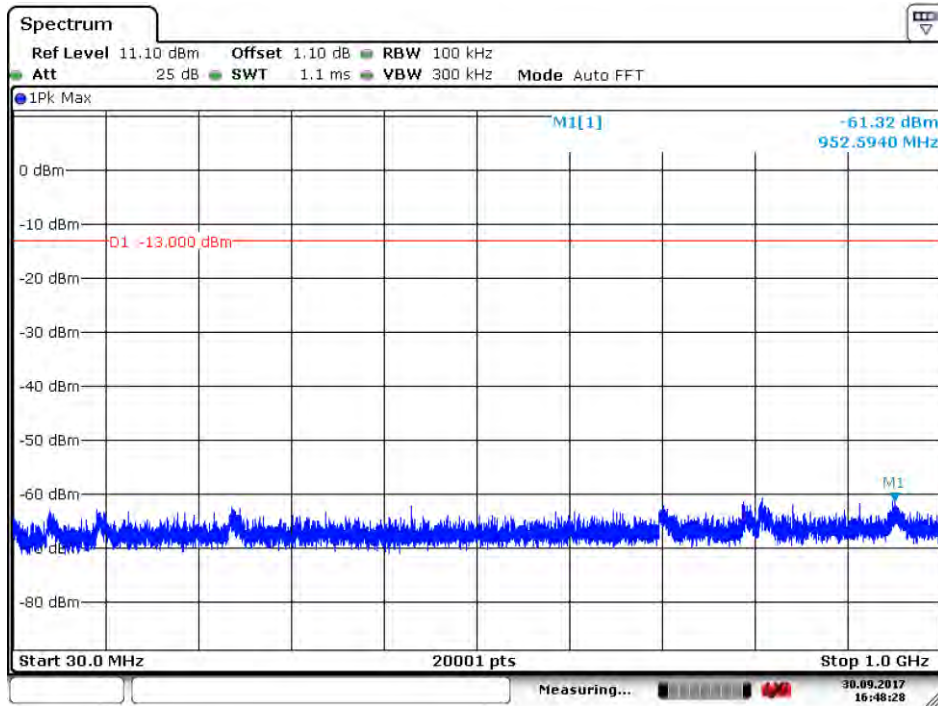


Date: 30.SEP.2017 16:46:20

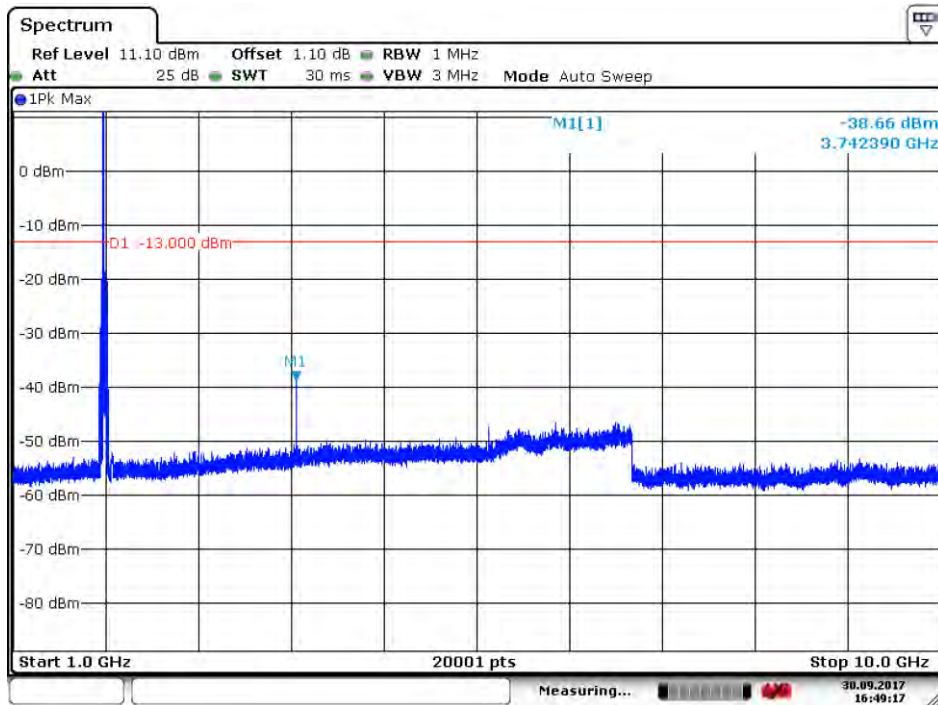




6.1.1.1.2 Test Channel = MCH

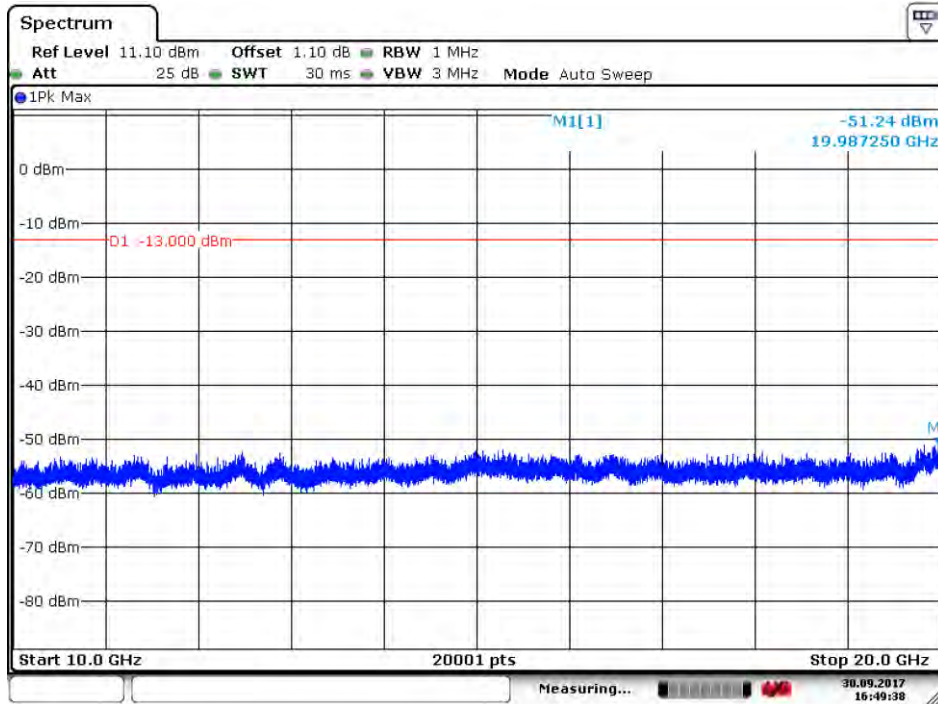


Date: 30.SEP.2017 16:48:29



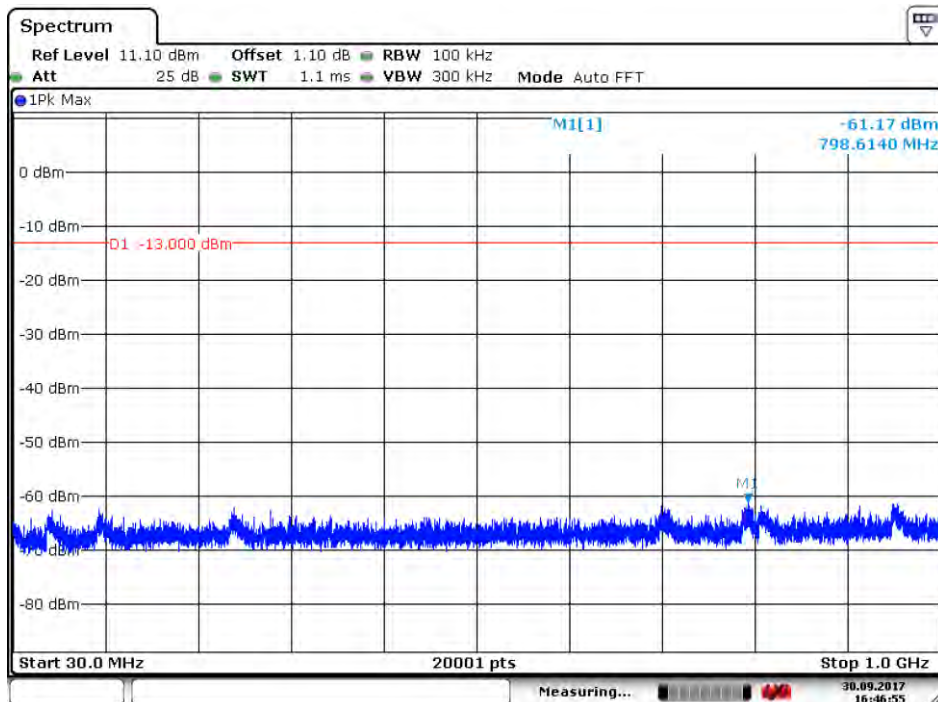
Date: 30.SEP.2017 16:49:17



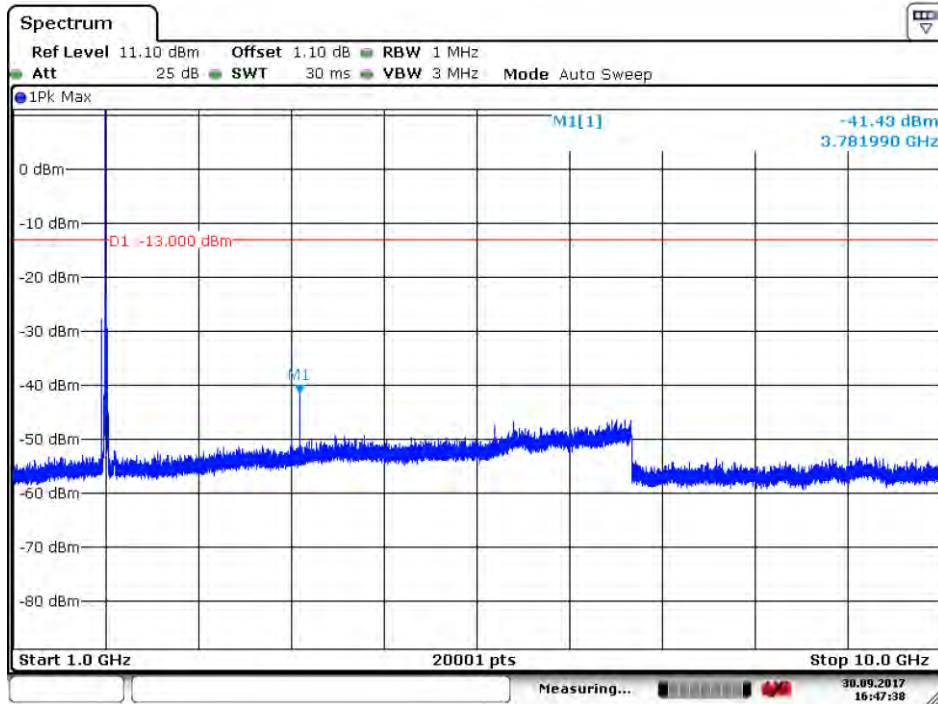


Date: 30.SEP.2017 16:49:39

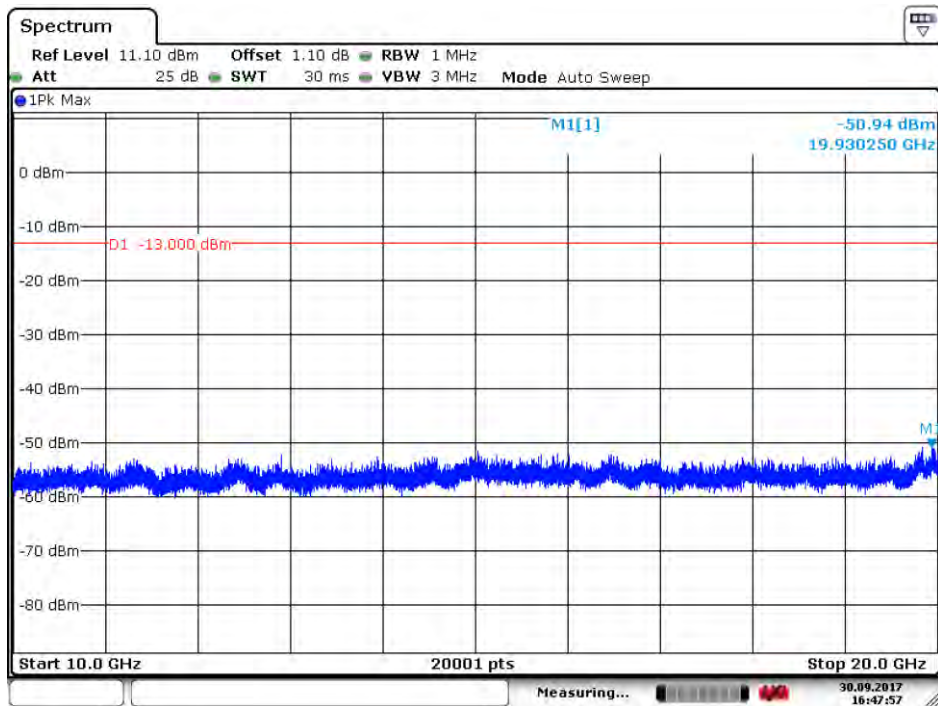
### 6.1.1.1.3 Test Channel = HCH



Date: 30.SEP.2017 16:46:56



Date: 30.SEP.2017 16:47:38



Date: 30.SEP.2017 16:47:57



## 7 Field Strength of Spurious Radiation

### 7.1 For LTE

Main Supply:

7.1.1 Test Band = LTE band2

7.1.1.1 Test Mode =LTE/TM1 20MHz RB1#0

#### 7.1.1.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
1265.000	-65.88	-13.00	-52.88	Vertical
1683.000	-64.28	-13.00	-51.28	Vertical
4852.500	-66.42	-13.00	-53.42	Vertical
1111.000	-66.51	-13.00	-53.51	Horizontal
4267.500	-66.82	-13.00	-53.82	Horizontal
6022.500	-65.60	-13.00	-52.60	Horizontal

#### 7.1.1.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
1199.000	-65.92	-13.00	-52.92	Vertical
1518.000	-66.19	-13.00	-53.19	Vertical
5730.000	-66.45	-13.00	-53.45	Vertical
1199.000	-66.64	-13.00	-53.64	Horizontal
1562.000	-65.58	-13.00	-52.58	Horizontal
5145.000	-66.59	-13.00	-53.59	Horizontal

#### 7.1.1.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
1276.000	-65.92	-13.00	-52.92	Vertical
1716.000	-63.89	-13.00	-50.89	Vertical
4950.000	-66.26	-13.00	-53.26	Vertical
1397.000	-67.06	-13.00	-54.06	Horizontal
2840.000	-56.82	-13.00	-43.82	Horizontal
4950.000	-66.28	-13.00	-53.28	Horizontal



**Secondary Supply:**

**7.1.2 Test Band = LTE band2**

**7.1.2.1 Test Mode =LTE/TM1 20MHz RB1#0**

**7.1.2.1.1 Test Channel = MCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
3682.500	-67.32	-13.00	-54.32	Vertical
5632.500	-62.46	-13.00	-49.46	Vertical
10507.500	-62.69	-13.00	-49.69	Vertical
3682.500	-67.12	-13.00	-54.12	Horizontal
5632.500	-65.73	-13.00	-52.73	Horizontal
9727.500	-63.18	-13.00	-50.18	Horizontal

**NOTE:**

- 1) The disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.



## 8 Frequency Stability

### 8.1 Frequency Error VS. Voltage

Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
LTEband2	LTE/TM1 20MHz	LCH	TN	VL	-4.03	-0.00217	PASS
				VN	1.46	0.00078	PASS
				VH	-7.73	-0.00416	PASS
		MCH	TN	VL	1.49	0.00079	PASS
				VN	-2.82	-0.00150	PASS
				VH	2.63	0.00140	PASS
		HCH	TN	VL	-5.56	-0.00293	PASS
				VN	-5.17	-0.00272	PASS
				VH	-3.74	-0.00197	PASS
	LTE/TM2 20MHz	LCH	TN	VL	-4.28	-0.00230	PASS
				VN	-2.35	-0.00126	PASS
				VH	-2.16	-0.00116	PASS
		MCH	TN	VL	1.55	0.00082	PASS
				VN	-2.30	-0.00122	PASS
				VH	5.59	0.00297	PASS
		HCH	TN	VL	-2.04	-0.00107	PASS
				VN	-3.50	-0.00184	PASS
				VH	0.24	0.00013	PASS





## 8.2 Frequency Error VS. Temperature

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
LTEband2	LTE/TM1 20MHz	LCH	VN	-30	-0.46	-0.00025	PASS
				-20	-1.64	-0.00088	PASS
				-10	1.38	0.00074	PASS
				0	1.05	0.00056	PASS
				10	3.65	0.00196	PASS
				20	2.11	0.00113	PASS
				30	-0.91	-0.00049	PASS
				40	-0.13	-0.00007	PASS
				50	3.59	0.00193	PASS
		MCH	VN	-30	-4.80	-0.00255	PASS
				-20	-2.95	-0.00157	PASS
				-10	-2.79	-0.00148	PASS
				0	-2.62	-0.00139	PASS
				10	-4.04	-0.00215	PASS
				20	-5.94	-0.00316	PASS
				30	-5.46	-0.00290	PASS
				40	-4.82	-0.00256	PASS
				50	-6.32	-0.00336	PASS
		HCH	VN	-30	2.54	0.00134	PASS
				-20	-1.44	-0.00076	PASS
				-10	2.53	0.00133	PASS
				0	-2.43	-0.00128	PASS
				10	4.60	0.00242	PASS
				20	-0.67	-0.00035	PASS
30	-5.66			-0.00298	PASS		
40	-5.93			-0.00312	PASS		
50	-6.90			-0.00363	PASS		

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Shenzhen Branch**

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Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
LTEband2	LTE/TM2 20MHz	LCH	VN	-30	-1.50	-0.00081	PASS
				-20	-2.85	-0.00153	PASS
				-10	5.38	0.00289	PASS
				0	2.24	0.00120	PASS
				10	3.60	0.00194	PASS
				20	-0.83	-0.00045	PASS
				30	-2.44	-0.00131	PASS
				40	5.74	0.00309	PASS
		MCH	VN	-30	-3.89	-0.00207	PASS
				-20	-5.48	-0.00291	PASS
				-10	-5.29	-0.00281	PASS
				0	-4.36	-0.00232	PASS
				10	-2.34	-0.00124	PASS
				20	1.54	0.00082	PASS
				30	-3.24	-0.00172	PASS
				40	-2.82	-0.00150	PASS
		HCH	VN	-30	3.35	0.00176	PASS
				-20	-2.35	-0.00124	PASS
				-10	5.59	0.00294	PASS
				0	-3.53	-0.00186	PASS
				10	2.68	0.00141	PASS
				20	-1.77	-0.00093	PASS
				30	-3.59	-0.00189	PASS
				40	-4.83	-0.00254	PASS
			50	-3.60	-0.00189	PASS	

The End

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