



# Appendix B

## E-UTRA BAND 26 ( 824-849 )

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## 1 Effective (Isotropic) Radiated Power Output Data

**Effective Radiated Power of Transmitter (ERP) for LTE BAND 26**

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Conducted (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND 26	LTE/TM1	1.4M	LCH	RB1#0	23.22	24.07	38.45	PASS
				RB1#2	23.24	24.09	38.45	PASS
				RB1#5	23.21	24.06	38.45	PASS
				RB3#0	23.3	24.15	38.45	PASS
				RB3#2	23.31	24.16	38.45	PASS
				RB3#3	23.31	24.16	38.45	PASS
				RB6#0	22.31	23.16	38.45	PASS
			MCH	RB1#0	23.16	24.01	38.45	PASS
				RB1#2	23.38	24.23	38.45	PASS
				RB1#5	23.36	24.21	38.45	PASS
				RB3#0	23.22	24.07	38.45	PASS
				RB3#2	23.38	24.23	38.45	PASS
				RB3#3	23.19	24.04	38.45	PASS
				RB6#0	22.36	23.21	38.45	PASS
			HCH	RB1#0	23.19	24.04	38.45	PASS
				RB1#2	23.19	24.04	38.45	PASS
				RB1#5	23	23.85	38.45	PASS
				RB3#0	23.24	24.09	38.45	PASS
				RB3#2	23.48	24.33	38.45	PASS
				RB3#3	23.39	24.24	38.45	PASS
				RB6#0	22.37	23.22	38.45	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Conducted (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND 26	LTE/TM2	1.4M	LCH	RB1#0	22.6	23.45	38.45	PASS
				RB1#2	23.03	23.88	38.45	PASS
				RB1#5	22.56	23.41	38.45	PASS
				RB3#0	22.3	23.15	38.45	PASS
				RB3#2	22.28	23.13	38.45	PASS
				RB3#3	22.18	23.03	38.45	PASS
				RB6#0	21.31	22.16	38.45	PASS
			MCH	RB1#0	22.41	23.26	38.45	PASS
				RB1#2	22.65	23.5	38.45	PASS
				RB1#5	22.5	23.35	38.45	PASS
				RB3#0	22.24	23.09	38.45	PASS
				RB3#2	22.16	23.01	38.45	PASS
				RB3#3	22.39	23.24	38.45	PASS
				RB6#0	21.33	22.18	38.45	PASS
			HCH	RB1#0	22.48	23.33	38.45	PASS
				RB1#2	22.22	23.07	38.45	PASS
				RB1#5	22.43	23.28	38.45	PASS
				RB3#0	22.22	23.07	38.45	PASS
				RB3#2	22.42	23.27	38.45	PASS
				RB3#3	22.31	23.16	38.45	PASS
				RB6#0	21.48	22.33	38.45	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Conducted (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND 26	LTE/TM3	1.4M	LCH	RB1#0	22.23	23.08	38.45	PASS
				RB1#2	22.05	22.90	38.45	PASS
				RB1#5	22.06	22.91	38.45	PASS
				RB3#0	22.02	22.87	38.45	PASS
				RB3#2	22.15	23.00	38.45	PASS
				RB3#3	22.01	22.86	38.45	PASS
				RB6#0	21.05	21.90	38.45	PASS
			MCH	RB1#0	22.00	22.85	38.45	PASS
				RB1#2	22.32	23.17	38.45	PASS
				RB1#5	22.15	23.00	38.45	PASS
				RB3#0	22.21	23.06	38.45	PASS
				RB3#2	22.18	23.03	38.45	PASS
				RB3#3	22.15	23.00	38.45	PASS
				RB6#0	21.16	22.01	38.45	PASS
			HCH	RB1#0	22.05	22.90	38.45	PASS
				RB1#2	22.02	22.87	38.45	PASS
				RB1#5	21.97	22.82	38.45	PASS
				RB3#0	22.03	22.88	38.45	PASS
				RB3#2	22.06	22.91	38.45	PASS
				RB3#3	22.00	22.85	38.45	PASS
				RB6#0	21.04	21.89	38.45	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Conducted (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND 26	LTE/TM1	3M	LCH	RB1#0	23.24	24.09	38.45	PASS
				RB1#7	23.26	24.11	38.45	PASS
				RB1#14	23.27	24.12	38.45	PASS
				RB8#0	22.39	23.24	38.45	PASS
				RB8#4	22.39	23.24	38.45	PASS
				RB8#7	22.3	23.15	38.45	PASS
				RB15#0	22.39	23.24	38.45	PASS
			MCH	RB1#0	23.24	24.09	38.45	PASS
				RB1#7	23.41	24.26	38.45	PASS
				RB1#14	23.33	24.18	38.45	PASS
				RB8#0	22.36	23.21	38.45	PASS
				RB8#4	22.49	23.34	38.45	PASS
				RB8#7	22.45	23.3	38.45	PASS
				RB15#0	22.36	23.21	38.45	PASS
			HCH	RB1#0	23.2	24.05	38.45	PASS
				RB1#7	23.34	24.19	38.45	PASS
				RB1#14	23.18	24.03	38.45	PASS
				RB8#0	22.37	23.22	38.45	PASS
				RB8#4	22.38	23.23	38.45	PASS
				RB8#7	22.37	23.22	38.45	PASS
				RB15#0	22.27	23.12	38.45	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Conducted (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND 26	LTE/TM2	3M	LCH	RB1#0	22.72	23.57	38.45	PASS
				RB1#7	23.09	23.94	38.45	PASS
				RB1#14	22.62	23.47	38.45	PASS
				RB8#0	21.36	22.21	38.45	PASS
				RB8#4	21.46	22.31	38.45	PASS
				RB8#7	21.51	22.36	38.45	PASS
				RB15#0	21.46	22.31	38.45	PASS
			MCH	RB1#0	22.49	23.34	38.45	PASS
				RB1#7	22.75	23.6	38.45	PASS
				RB1#14	22.94	23.79	38.45	PASS
				RB8#0	21.42	22.27	38.45	PASS
				RB8#4	21.61	22.46	38.45	PASS
				RB8#7	21.45	22.3	38.45	PASS
				RB15#0	21.4	22.25	38.45	PASS
			HCH	RB1#0	22.69	23.54	38.45	PASS
				RB1#7	22.4	23.25	38.45	PASS
				RB1#14	22.66	23.51	38.45	PASS
				RB8#0	21.48	22.33	38.45	PASS
				RB8#4	21.47	22.32	38.45	PASS
				RB8#7	21.49	22.34	38.45	PASS
				RB15#0	21.34	22.19	38.45	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Conducted (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND 26	LTE/TM3	3M	LCH	RB1#0	22.01	22.86	38.45	PASS
				RB1#2	22.16	23.01	38.45	PASS
				RB1#5	22.05	22.90	38.45	PASS
				RB3#0	21.16	22.01	38.45	PASS
				RB3#2	21.2	22.05	38.45	PASS
				RB3#3	21.19	22.04	38.45	PASS
				RB6#0	21.15	22.00	38.45	PASS
			MCH	RB1#0	22.22	23.07	38.45	PASS
				RB1#2	22.26	23.11	38.45	PASS
				RB1#5	22.14	22.99	38.45	PASS
				RB3#0	21.24	22.09	38.45	PASS
				RB3#2	21.35	22.20	38.45	PASS
				RB3#3	21.21	22.06	38.45	PASS
				RB6#0	21.25	22.10	38.45	PASS
			HCH	RB1#0	22.07	22.92	38.45	PASS
				RB1#2	22.06	22.91	38.45	PASS
				RB1#5	22.13	22.98	38.45	PASS
				RB3#0	21.23	22.08	38.45	PASS
				RB3#2	21.24	22.09	38.45	PASS
				RB3#3	21.21	22.06	38.45	PASS
				RB6#0	21.15	22.00	38.45	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Conducted (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND 26	LTE/TM1	5M	LCH	RB1#0	23.38	24.23	38.45	PASS
				RB1#13	23.51	24.36	38.45	PASS
				RB1#24	23.4	24.25	38.45	PASS
				RB12#0	22.49	23.34	38.45	PASS
				RB12#6	22.35	23.2	38.45	PASS
				RB12#13	22.46	23.31	38.45	PASS
				RB25#0	22.33	23.18	38.45	PASS
			MCH	RB1#0	23.32	24.17	38.45	PASS
				RB1#13	23.29	24.14	38.45	PASS
				RB1#24	23.3	24.15	38.45	PASS
				RB12#0	22.43	23.28	38.45	PASS
				RB12#6	22.4	23.25	38.45	PASS
				RB12#13	22.29	23.14	38.45	PASS
				RB25#0	22.32	23.17	38.45	PASS
			HCH	RB1#0	23.29	24.14	38.45	PASS
				RB1#13	23.35	24.2	38.45	PASS
				RB1#24	23.09	23.94	38.45	PASS
				RB12#0	22.41	23.26	38.45	PASS
				RB12#6	22.37	23.22	38.45	PASS
				RB12#13	22.34	23.19	38.45	PASS
				RB25#0	22.32	23.17	38.45	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Conducted (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND 26	LTE/TM2	5M	LCH	RB1#0	22.68	23.53	38.45	PASS
				RB1#13	22.72	23.57	38.45	PASS
				RB1#24	22.27	23.12	38.45	PASS
				RB12#0	21.37	22.22	38.45	PASS
				RB12#6	21.48	22.33	38.45	PASS
				RB12#13	21.51	22.36	38.45	PASS
				RB25#0	21.4	22.25	38.45	PASS
			MCH	RB1#0	22.54	23.39	38.45	PASS
				RB1#13	22.44	23.29	38.45	PASS
				RB1#24	22.33	23.18	38.45	PASS
				RB12#0	21.47	22.32	38.45	PASS
				RB12#6	21.44	22.29	38.45	PASS
				RB12#13	21.4	22.25	38.45	PASS
				RB25#0	21.33	22.18	38.45	PASS
			HCH	RB1#0	22.54	23.39	38.45	PASS
				RB1#13	22.41	23.26	38.45	PASS
				RB1#24	22.28	23.13	38.45	PASS
				RB12#0	21.54	22.39	38.45	PASS
				RB12#6	21.33	22.18	38.45	PASS
				RB12#13	21.47	22.32	38.45	PASS
				RB25#0	21.41	22.26	38.45	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Conducted (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND 26	LTE/TM3	5M	LCH	RB1#0	22.29	23.14	38.45	PASS
				RB1#2	22.16	23.01	38.45	PASS
				RB1#5	22.21	23.06	38.45	PASS
				RB3#0	21.39	22.24	38.45	PASS
				RB3#2	21.23	22.08	38.45	PASS
				RB3#3	21.36	22.21	38.45	PASS
				RB6#0	21.33	22.18	38.45	PASS
			MCH	RB1#0	22.56	23.41	38.45	PASS
				RB1#2	22.49	23.34	38.45	PASS
				RB1#5	22.48	23.33	38.45	PASS
				RB3#0	21.42	22.27	38.45	PASS
				RB3#2	21.51	22.36	38.45	PASS
				RB3#3	21.42	22.27	38.45	PASS
				RB6#0	21.54	22.39	38.45	PASS
			HCH	RB1#0	22.33	23.18	38.45	PASS
				RB1#2	22.45	23.30	38.45	PASS
				RB1#5	22.2	23.05	38.45	PASS
				RB3#0	21.31	22.16	38.45	PASS
				RB3#2	21.33	22.18	38.45	PASS
				RB3#3	21.24	22.09	38.45	PASS
				RB6#0	21.37	22.22	38.45	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Conducted (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND 26	LTE/TM1	10M	LCH	RB1#0	23.19	24.04	38.45	PASS
				RB1#25	23.43	24.28	38.45	PASS
				RB1#49	23.26	24.11	38.45	PASS
				RB25#0	22.46	23.31	38.45	PASS
				RB25#13	22.39	23.24	38.45	PASS
				RB25#25	22.41	23.26	38.45	PASS
				RB50#0	22.37	23.22	38.45	PASS
			MCH	RB1#0	23.26	24.11	38.45	PASS
				RB1#25	23.38	24.23	38.45	PASS
				RB1#49	23.04	23.89	38.45	PASS
				RB25#0	22.38	23.23	38.45	PASS
				RB25#13	22.41	23.26	38.45	PASS
				RB25#25	22.41	23.26	38.45	PASS
				RB50#0	22.44	23.29	38.45	PASS
			HCH	RB1#0	23.31	24.16	38.45	PASS
				RB1#25	23.29	24.14	38.45	PASS
				RB1#49	23.11	23.96	38.45	PASS
				RB25#0	22.47	23.32	38.45	PASS
				RB25#13	22.48	23.33	38.45	PASS
				RB25#25	22.36	23.21	38.45	PASS
				RB50#0	22.4	23.25	38.45	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Conducted (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND 26	LTE/TM2	10M	LCH	RB1#0	22.88	23.73	38.45	PASS
				RB1#25	22.5	23.35	38.45	PASS
				RB1#49	22.4	23.25	38.45	PASS
				RB25#0	21.53	22.38	38.45	PASS
				RB25#13	21.48	22.33	38.45	PASS
				RB25#25	21.34	22.19	38.45	PASS
				RB50#0	21.37	22.22	38.45	PASS
			MCH	RB1#0	22.31	23.16	38.45	PASS
				RB1#25	22.53	23.38	38.45	PASS
				RB1#49	22.51	23.36	38.45	PASS
				RB25#0	21.51	22.36	38.45	PASS
				RB25#13	21.42	22.27	38.45	PASS
				RB25#25	21.43	22.28	38.45	PASS
				RB50#0	21.43	22.28	38.45	PASS
			HCH	RB1#0	22.51	23.36	38.45	PASS
				RB1#25	22.21	23.06	38.45	PASS
				RB1#49	22.57	23.42	38.45	PASS
				RB25#0	21.44	22.29	38.45	PASS
				RB25#13	21.51	22.36	38.45	PASS
				RB25#25	21.42	22.27	38.45	PASS
				RB50#0	21.41	22.26	38.45	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Conducted (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND 26	LTE/TM3	10M	LCH	RB1#0	22.34	23.19	38.45	PASS
				RB1#2	22.38	23.23	38.45	PASS
				RB1#5	22.16	23.01	38.45	PASS
				RB3#0	21.26	22.11	38.45	PASS
				RB3#2	21.38	22.23	38.45	PASS
				RB3#3	21.31	22.16	38.45	PASS
				RB6#0	21.34	22.19	38.45	PASS
			MCH	RB1#0	22.36	23.21	38.45	PASS
				RB1#2	22.4	23.25	38.45	PASS
				RB1#5	22.3	23.15	38.45	PASS
				RB3#0	21.43	22.28	38.45	PASS
				RB3#2	21.4	22.25	38.45	PASS
				RB3#3	21.46	22.31	38.45	PASS
				RB6#0	21.38	22.23	38.45	PASS
			HCH	RB1#0	22.23	23.08	38.45	PASS
				RB1#2	22.41	23.26	38.45	PASS
				RB1#5	22.08	22.93	38.45	PASS
				RB3#0	21.49	22.34	38.45	PASS
				RB3#2	21.43	22.28	38.45	PASS
				RB3#3	21.3	22.15	38.45	PASS
				RB6#0	21.41	22.26	38.45	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Conducted (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND 26	LTE/TM1	15M	LCH	RB1#0	23.7	24.55	38.45	PASS
				RB1#25	23.7	24.55	38.45	PASS
				RB1#49	23.58	24.43	38.45	PASS
				RB25#0	22.83	23.68	38.45	PASS
				RB25#13	22.68	23.53	38.45	PASS
				RB25#25	22.68	23.53	38.45	PASS
				RB50#0	22.66	23.51	38.45	PASS
			MCH	RB1#0	23.63	24.48	38.45	PASS
				RB1#25	23.56	24.41	38.45	PASS
				RB1#49	23.48	24.33	38.45	PASS
				RB25#0	22.69	23.54	38.45	PASS
				RB25#13	22.72	23.57	38.45	PASS
				RB25#25	22.55	23.4	38.45	PASS
				RB50#0	22.7	23.55	38.45	PASS
			HCH	RB1#0	23.63	24.48	38.45	PASS
				RB1#25	23.55	24.4	38.45	PASS
				RB1#49	23.45	24.3	38.45	PASS
				RB25#0	22.74	23.59	38.45	PASS
				RB25#13	22.68	23.53	38.45	PASS
				RB25#25	22.58	23.43	38.45	PASS
				RB50#0	22.55	23.4	38.45	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Conducted (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND 26	LTE/TM2	15M	LCH	RB1#0	22.37	23.22	38.45	PASS
				RB1#25	22.36	23.21	38.45	PASS
				RB1#49	22.08	22.93	38.45	PASS
				RB25#0	21.09	21.94	38.45	PASS
				RB25#13	21.02	21.87	38.45	PASS
				RB25#25	21.03	21.88	38.45	PASS
				RB50#0	21.14	21.99	38.45	PASS
			MCH	RB1#0	22.11	22.96	38.45	PASS
				RB1#25	22.21	23.06	38.45	PASS
				RB1#49	22.2	23.05	38.45	PASS
				RB25#0	21.13	21.98	38.45	PASS
				RB25#13	21.14	21.99	38.45	PASS
				RB25#25	21.21	22.06	38.45	PASS
				RB50#0	21.15	22	38.45	PASS
			HCH	RB1#0	22.11	22.96	38.45	PASS
				RB1#25	22.19	23.04	38.45	PASS
				RB1#49	22.16	23.01	38.45	PASS
				RB25#0	21.12	21.97	38.45	PASS
				RB25#13	21.18	22.03	38.45	PASS
				RB25#25	21.07	21.92	38.45	PASS
				RB50#0	21.13	21.98	38.45	PASS

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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Conducted (dBm)	ERP (dBm)	limit (dBm)	Verdict
BAND 26	LTE/TM3	15M	LCH	RB1#0	22.24	23.09	38.45	PASS
				RB1#2	22.23	23.08	38.45	PASS
				RB1#5	22.04	22.89	38.45	PASS
				RB3#0	21.1	21.95	38.45	PASS
				RB3#2	21.14	21.99	38.45	PASS
				RB3#3	21.12	21.97	38.45	PASS
				RB6#0	21.19	22.04	38.45	PASS
			MCH	RB1#0	22.21	23.06	38.45	PASS
				RB1#2	22.15	23.00	38.45	PASS
				RB1#5	22.01	22.86	38.45	PASS
				RB3#0	21.15	22.00	38.45	PASS
				RB3#2	21.16	22.01	38.45	PASS
				RB3#3	21.07	21.92	38.45	PASS
				RB6#0	21.13	21.98	38.45	PASS
			HCH	RB1#0	22.12	22.97	38.45	PASS
				RB1#2	22.28	23.13	38.45	PASS
				RB1#5	21.95	22.80	38.45	PASS
				RB3#0	21.18	22.03	38.45	PASS
				RB3#2	21.21	22.06	38.45	PASS
				RB3#3	21.04	21.89	38.45	PASS
				RB6#0	21.19	22.04	38.45	PASS

Note:

a: For getting the ERP (Efficient Radiated Power) , the following formula should be taken to calculate it,

$$\text{ERP [dBm]} = \text{Conducted power [dBm]} + \text{Gain [dBd]}$$



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## 2 Peak-to-Average Ratio

### Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
BAND 26	TM1/15M	LCH	4.84	13	PASS
		MCH	4.67	13	PASS
		HCH	4.04	13	PASS
	TM2/15M	LCH	5.99	13	PASS
		MCH	5.57	13	PASS
		HCH	5.62	13	PASS
	TM3/15M	LCH	5.77	13	PASS
		MCH	5.59	13	PASS
		HCH	5.83	13	PASS

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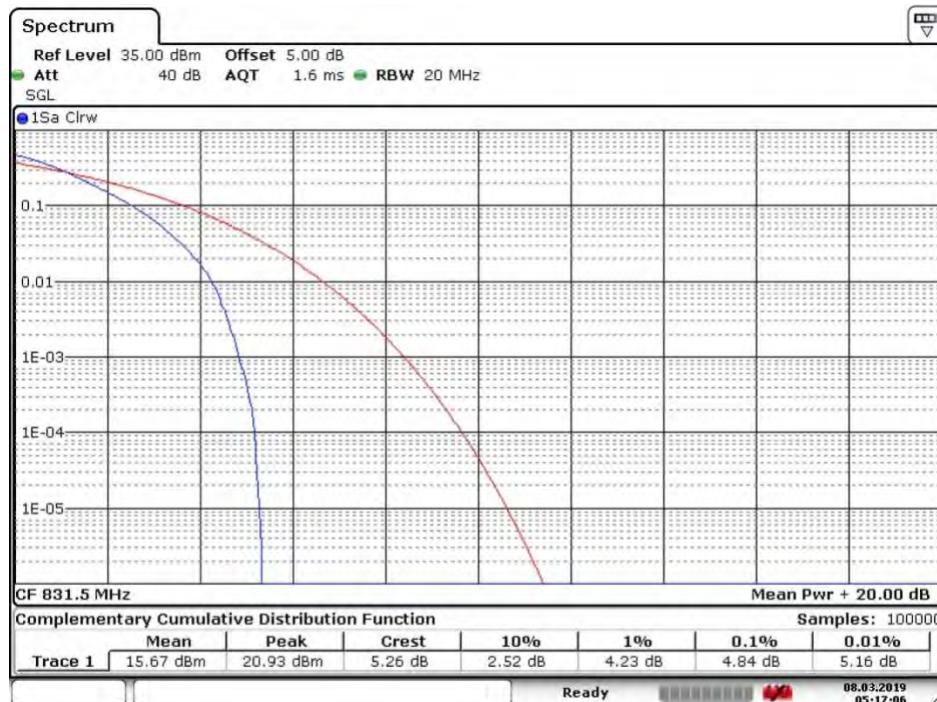
## PartII - Test Plots

### 2.1 For LTE

#### 2.1.1 Test Band = LTE BAND 26

##### 2.1.1.1 Test Mode = LTE/TM1.Bandwidth=15MHz

###### 2.1.1.1.1 Test Channel = LCH



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### 2.1.1.1.2 Test Channel = MCH



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## 2.1.1.1.3 Test Channel = HCH



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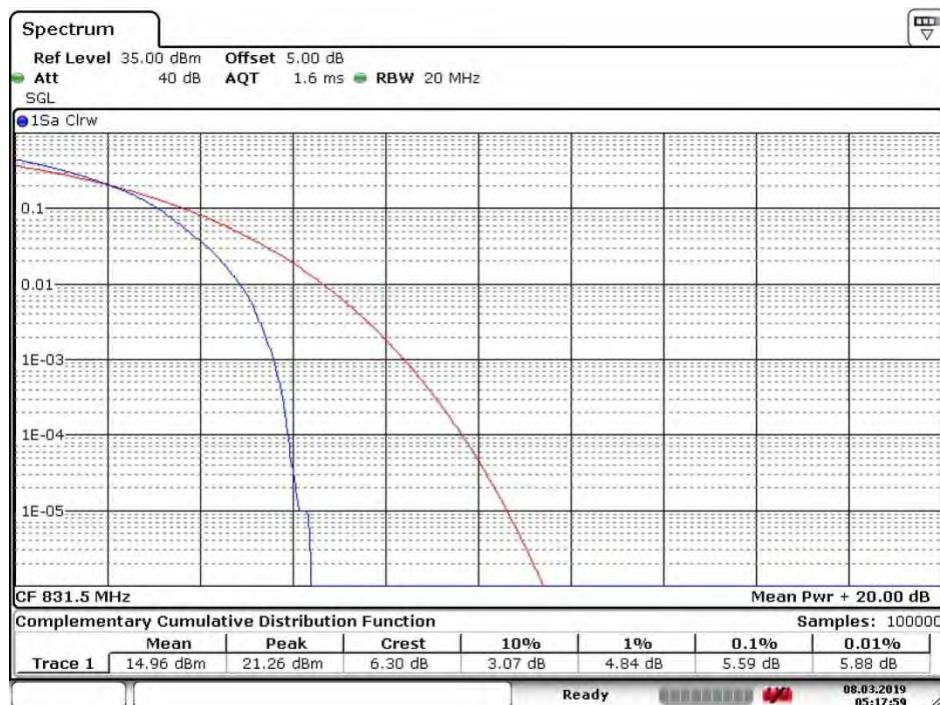


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## 2.1.1.2 Test Mode = LTE/TM2.Bandwidth=15MHz

## 2.1.1.2.1 Test Channel = LCH



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## 2.1.1.2.2 Test Channel = MCH



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## 2.1.1.2.3 Test Channel = HCH

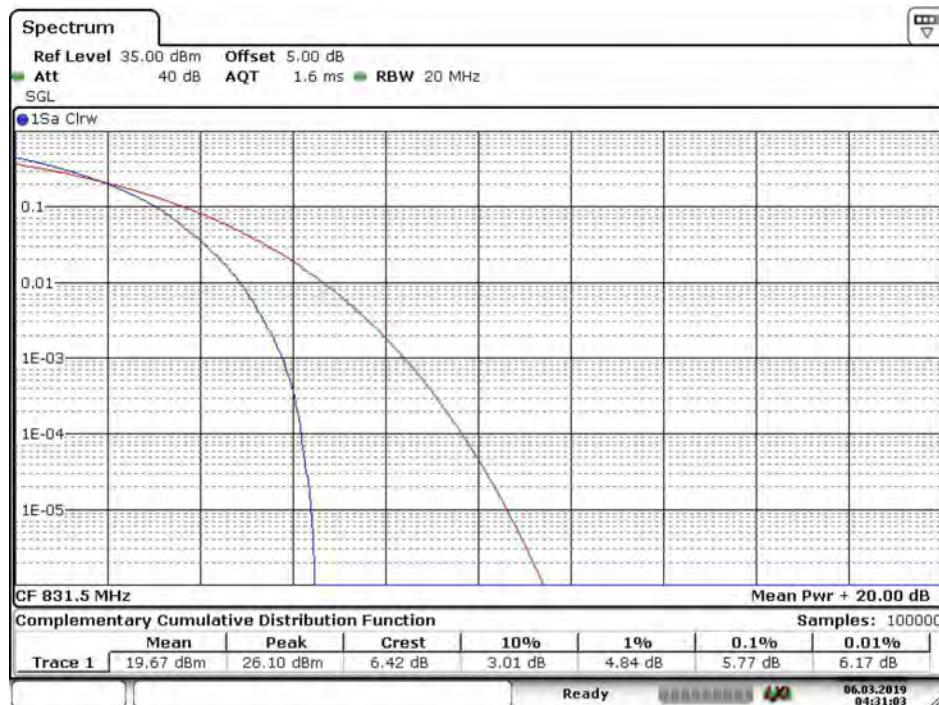


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**2.1.1.3 Test Mode = LTE/TM3.Bandwidth=15MHz****2.1.1.3.1 Test Channel = LCH**

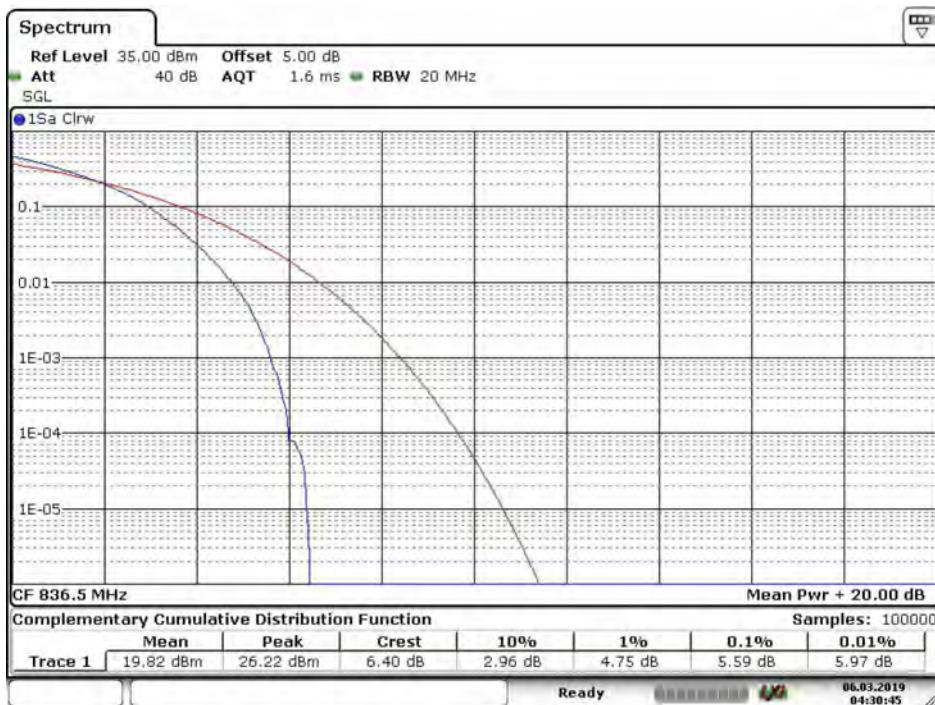
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## 2.1.1.3.2 Test Channel = MCH

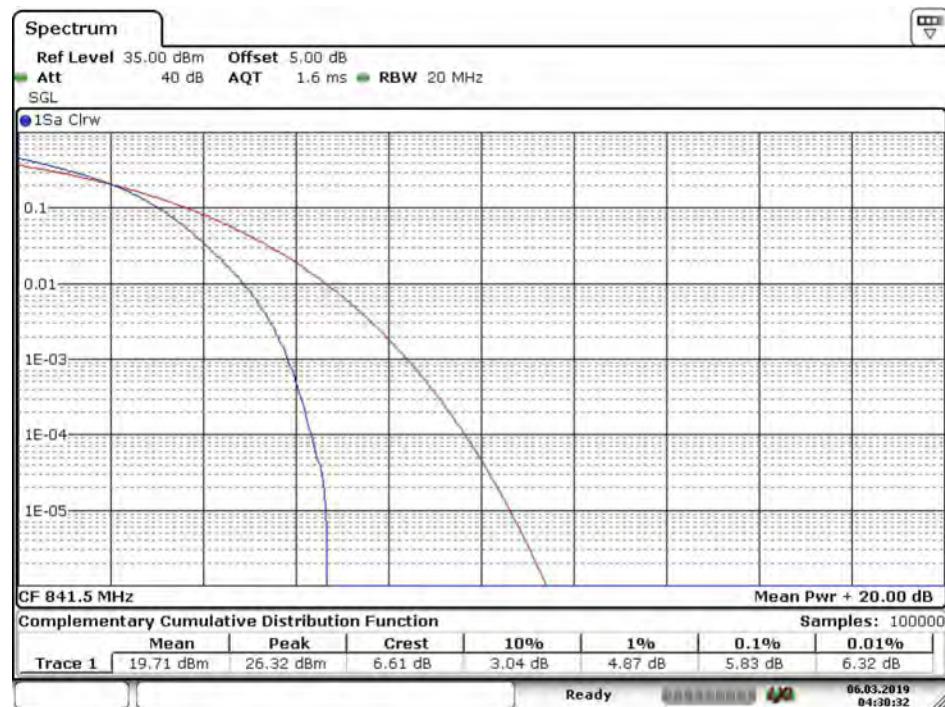


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**2.1.1.3.3 Test Channel = HCH**

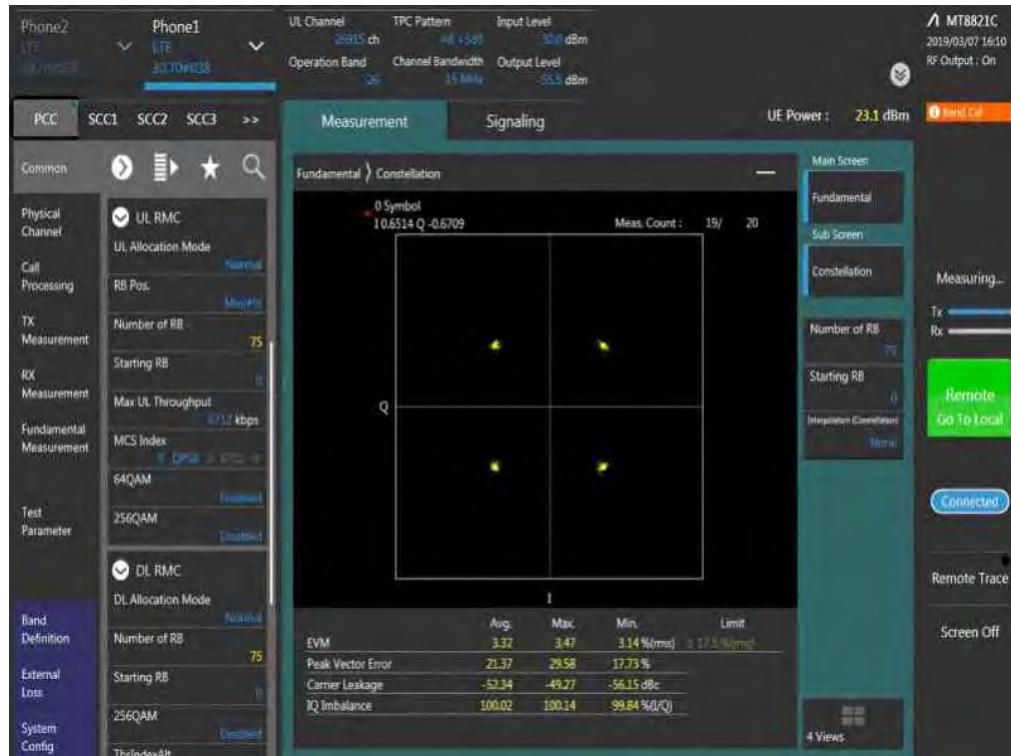
### 3 Modulation Characteristics

#### 3.1 For LTE

##### 3.1.1 Test Band = LTE BAND 26

###### 3.1.1.1 Test Mode = LTE /TM1 15MHz

###### 3.1.1.1.1 Test Channel = MCH



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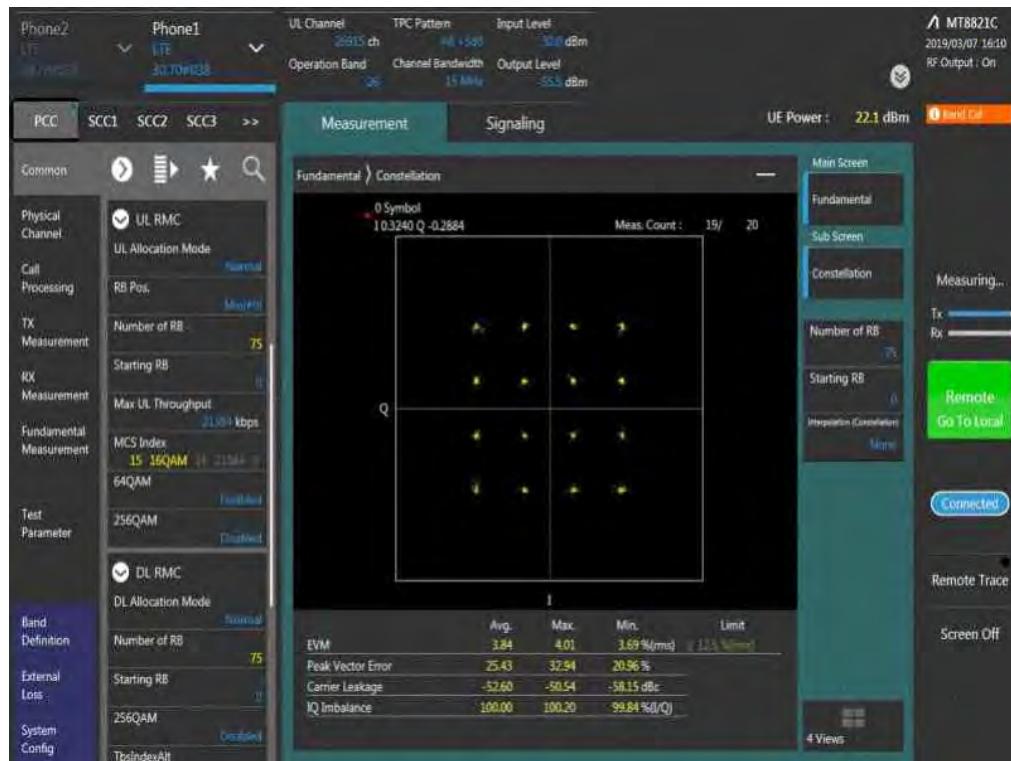
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## 3.1.1.2 Test Mode = LTE /TM2 15MHz

## 3.1.1.2.1 Test Channel = MCH



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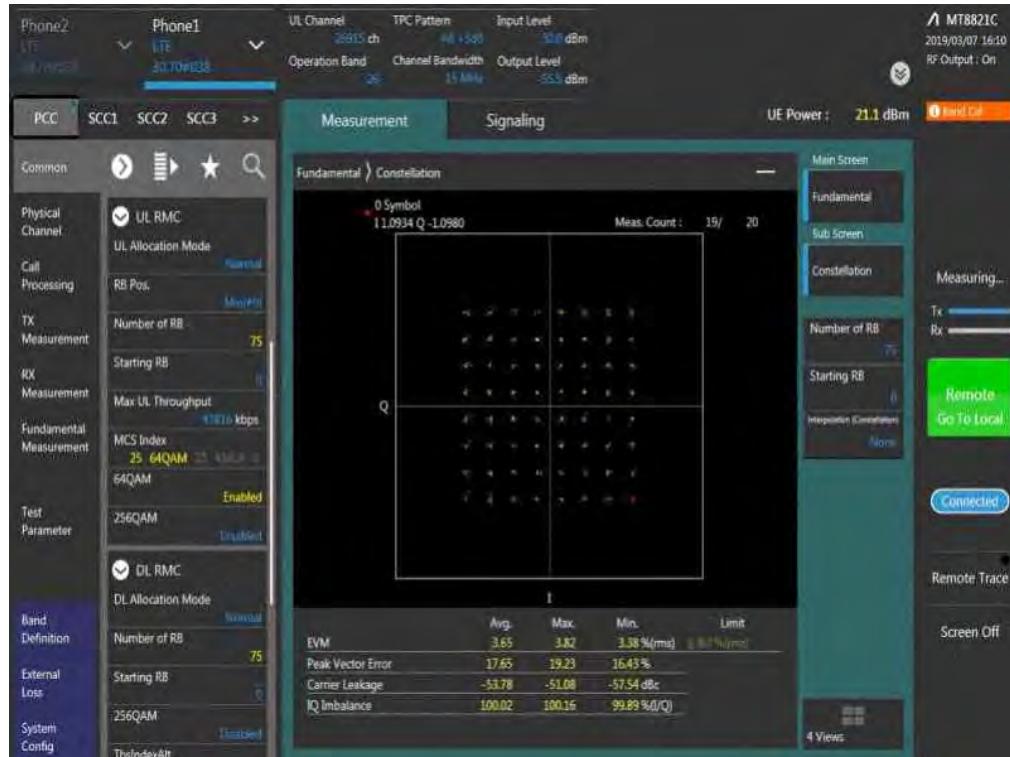
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### 3.1.1.3 Test Mode = LTE /TM3 15MHz

#### 3.1.1.3.1 Test Channel = MCH



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## 4 Bandwidth

### Part I - Test Results

Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
BAND 26	TM1/1.4MHz	LCH	1.09	1.24	PASS
		MCH	1.10	1.24	PASS
		HCH	1.10	1.26	PASS
	TM2/1.4MHz	LCH	1.09	1.24	PASS
		MCH	1.09	1.25	PASS
		HCH	1.09	1.23	PASS
	TM3/1.4MHz	LCH	1.08	1.24	PASS
		MCH	1.09	1.24	PASS
		HCH	1.08	1.24	PASS
	TM1/ 3MHz	LCH	2.68	2.93	PASS
		MCH	2.69	2.93	PASS
		HCH	2.69	2.94	PASS
	TM2/3MHz	LCH	2.69	2.95	PASS
		MCH	2.68	2.94	PASS
		HCH	2.68	2.94	PASS
	TM3/3MHz	LCH	2.69	2.93	PASS
		MCH	2.68	2.93	PASS
		HCH	2.67	2.9	PASS
	TM1/5MHz	LCH	4.49	4.92	PASS
		MCH	4.49	4.89	PASS
		HCH	4.46	4.87	PASS
	TM2/5MHz	LCH	4.48	4.84	PASS
		MCH	4.47	4.87	PASS
		HCH	4.48	4.88	PASS
	TM3/5MHz	LCH	4.46	4.86	PASS
		MCH	4.46	4.84	PASS
		HCH	4.45	4.85	PASS
	TM1/10MHz	LCH	8.97	9.71	PASS
		MCH	8.91	9.59	PASS
		HCH	8.95	9.63	PASS

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Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
	TM2/10MHz	LCH	8.95	9.59	PASS
		MCH	8.91	9.61	PASS
		HCH	8.93	9.65	PASS
	TM3/10MHz	LCH	8.97	9.67	PASS
		MCH	8.91	9.65	PASS
		HCH	8.95	9.59	PASS
	TM1/15MHz	LCH	13.49	14.75	PASS
		MCH	13.40	14.63	PASS
		HCH	13.52	14.78	PASS
	TM2/15MHz	LCH	13.49	14.69	PASS
		MCH	13.43	14.69	PASS
		HCH	13.52	14.69	PASS
	TM3/15MHz	LCH	13.48	14.62	PASS
		MCH	13.39	14.62	PASS
		HCH	13.51	14.71	PASS

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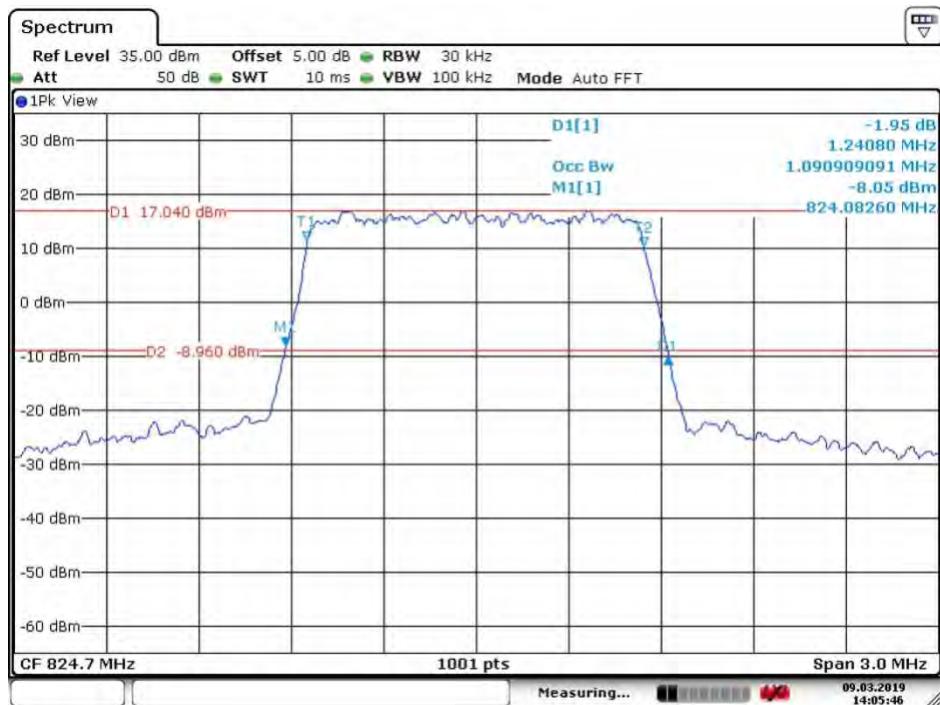
## PartII –Test Plots

### 4.1 For LTE

#### 4.1.1 Test Band = LTE BAND 26

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

###### 4.1.1.1.1 Test Channel = LCH



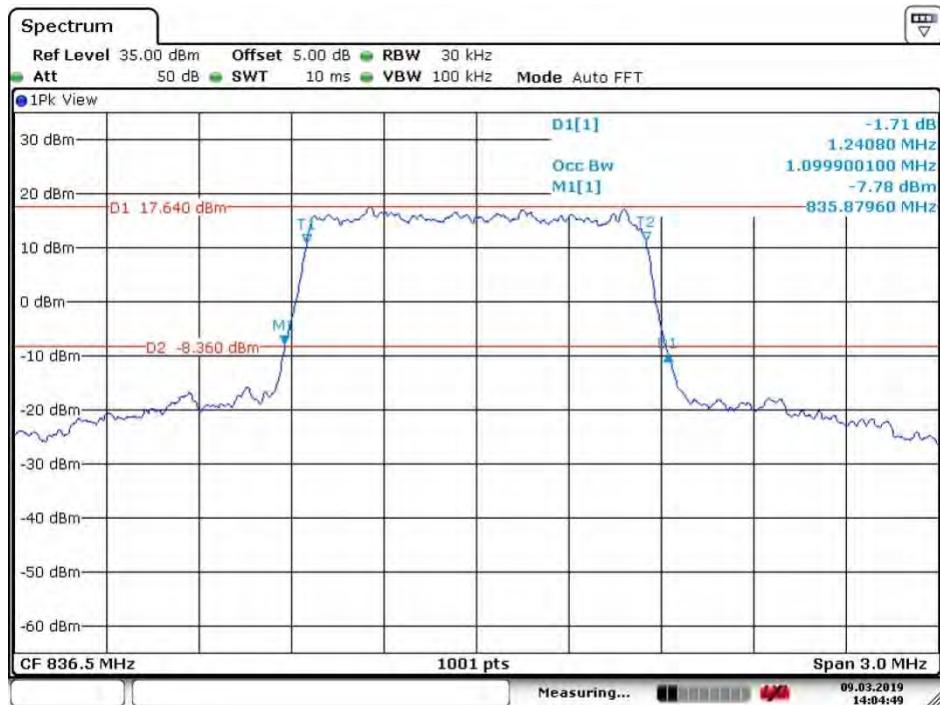
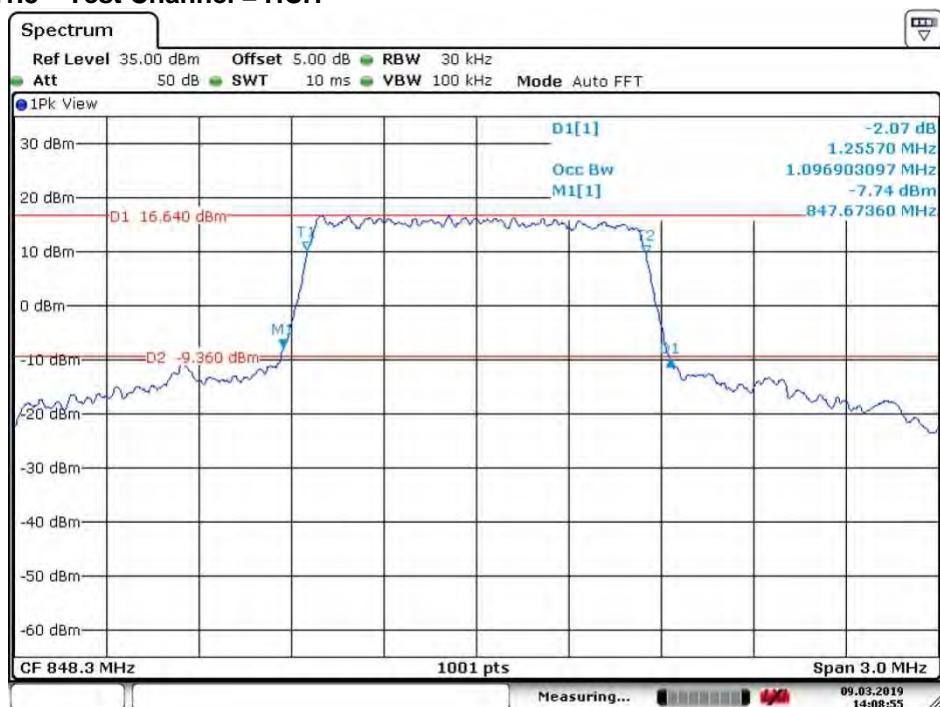
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**4.1.1.1.2 Test Channel = MCH****4.1.1.1.3 Test Channel = HCH**

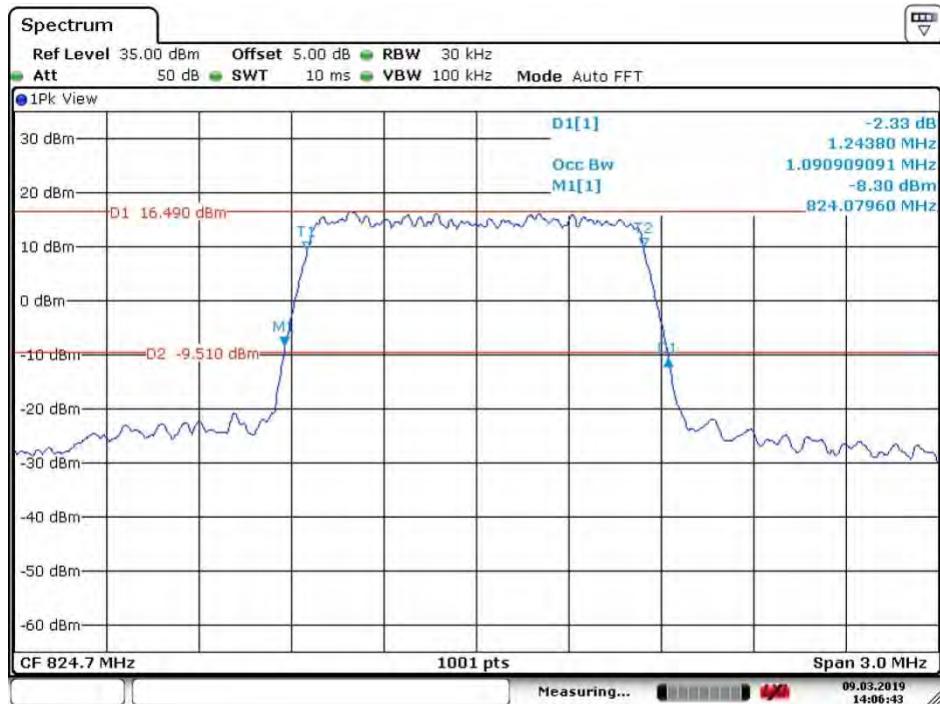
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#### 4.1.1.2 Test Mode = LTE/TM2 1.4MHz

##### 4.1.1.2.1 Test Channel = LCH



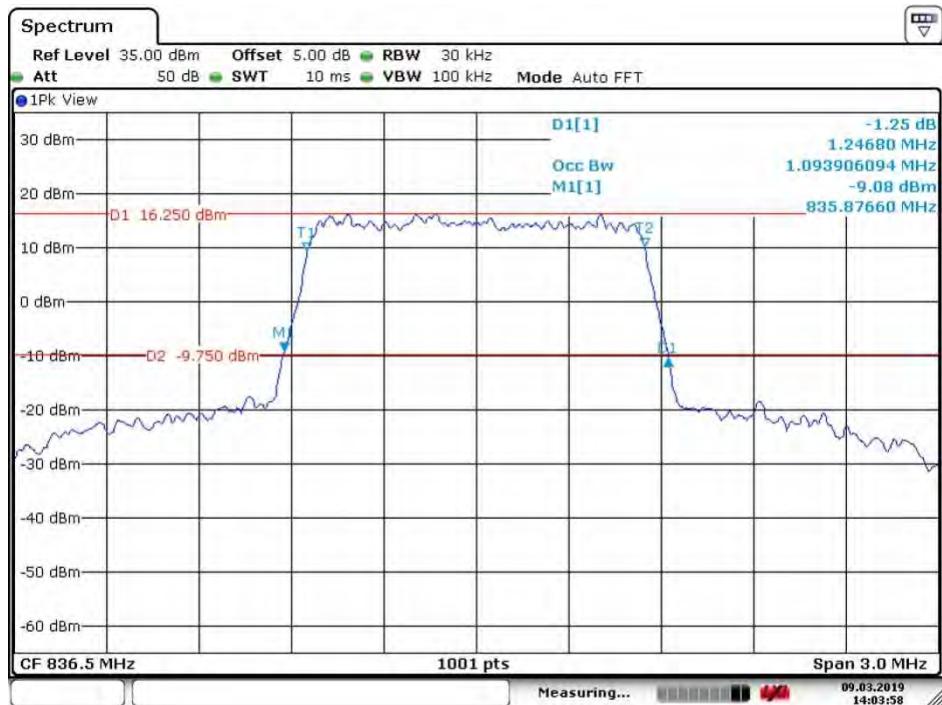
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## 4.1.1.2.2 Test Channel = MCH



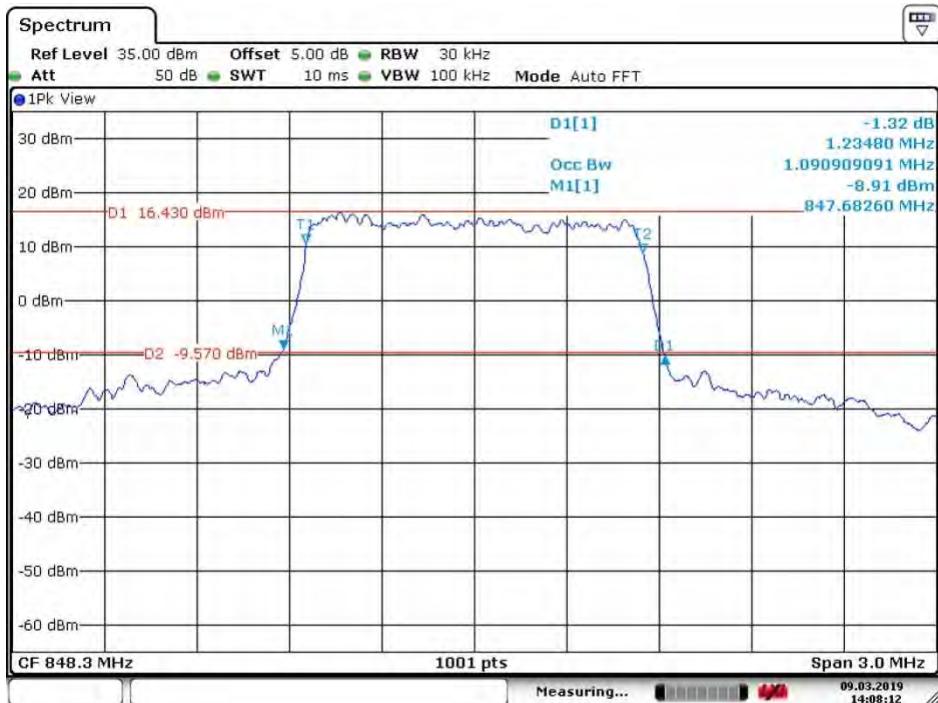
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## 4.1.1.2.3 Test Channel = HCH

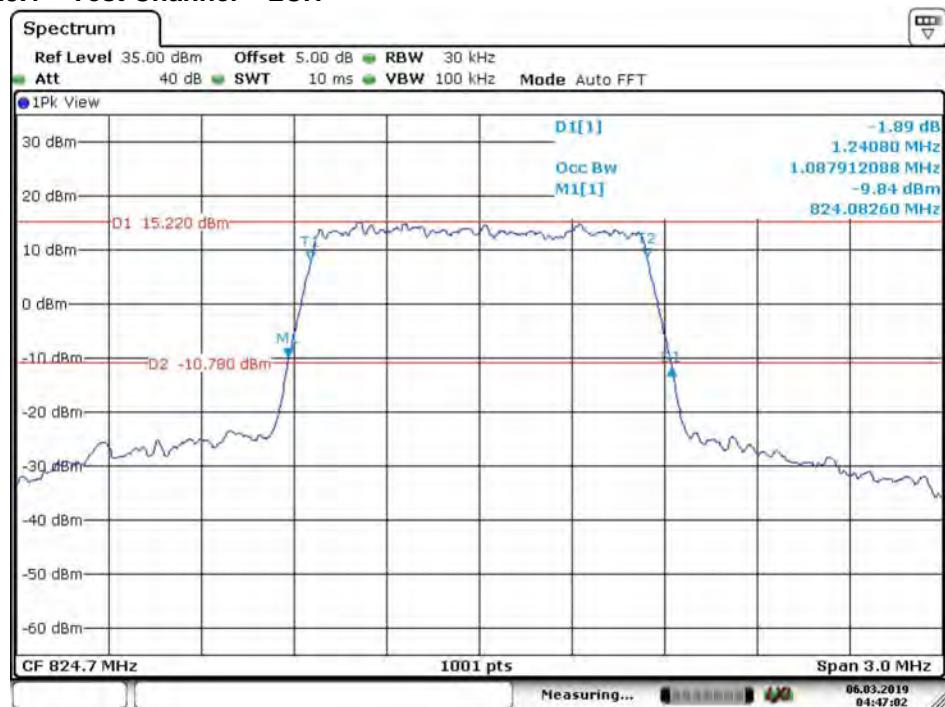


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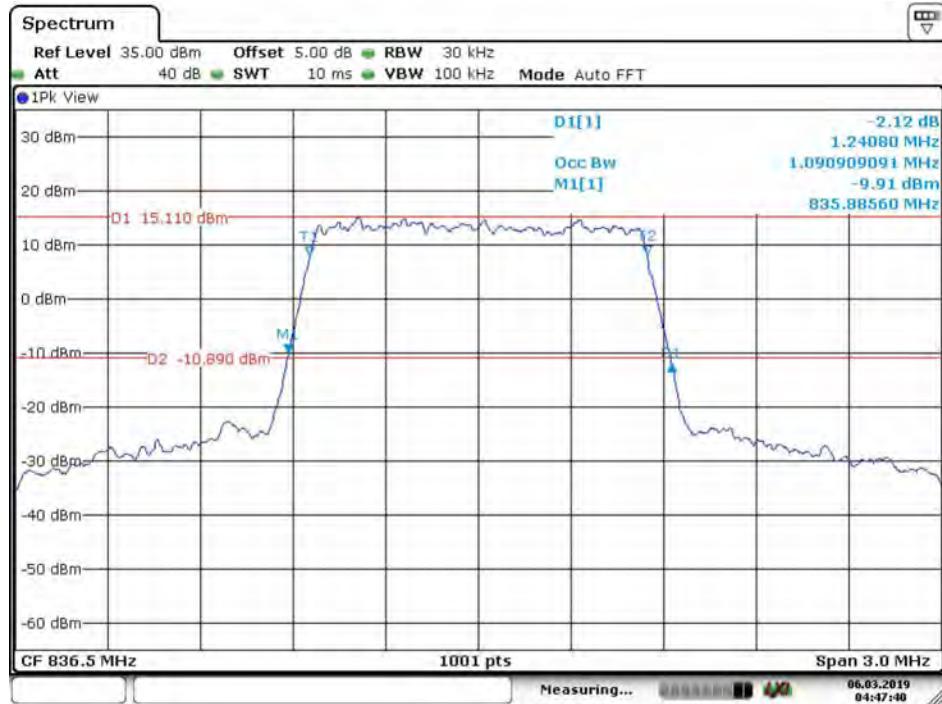
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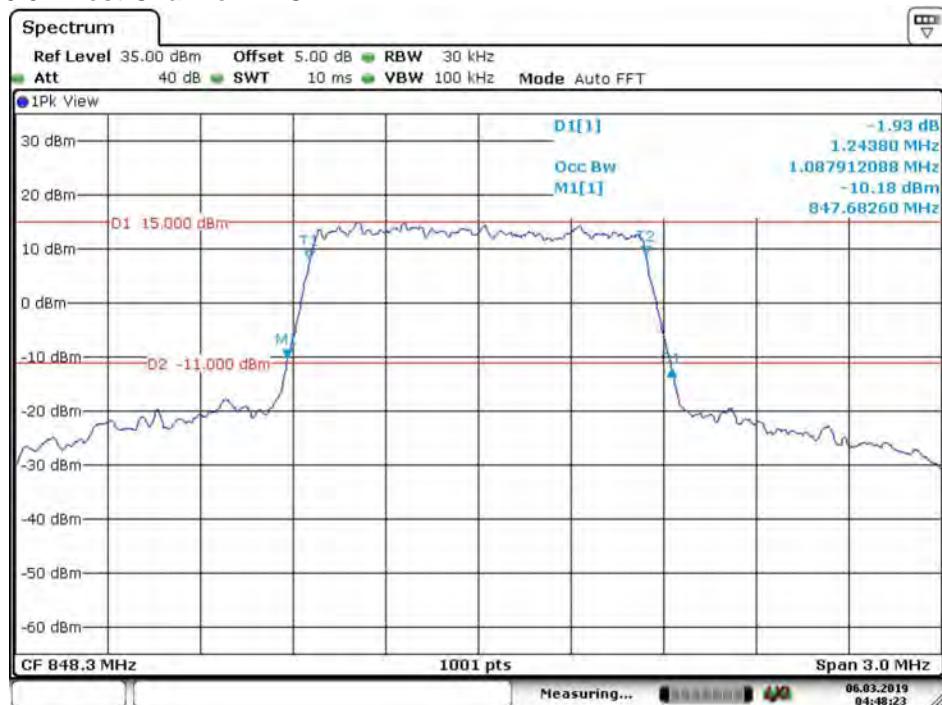
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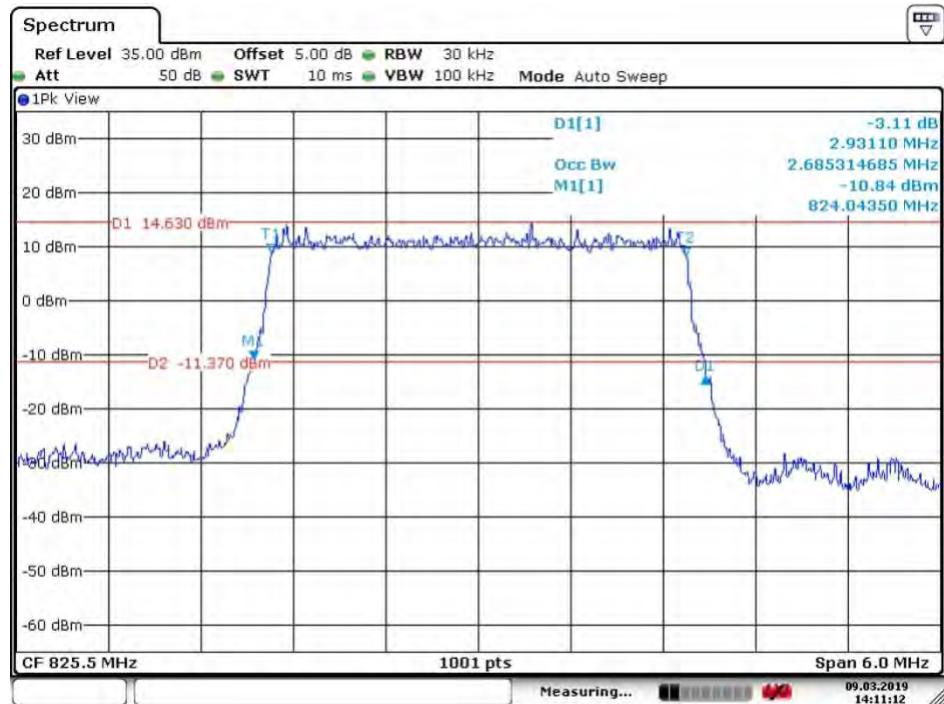
**4.1.1.3 Test Mode = LTE/TM3 1.4MHz****4.1.1.3.1 Test Channel = LCH**

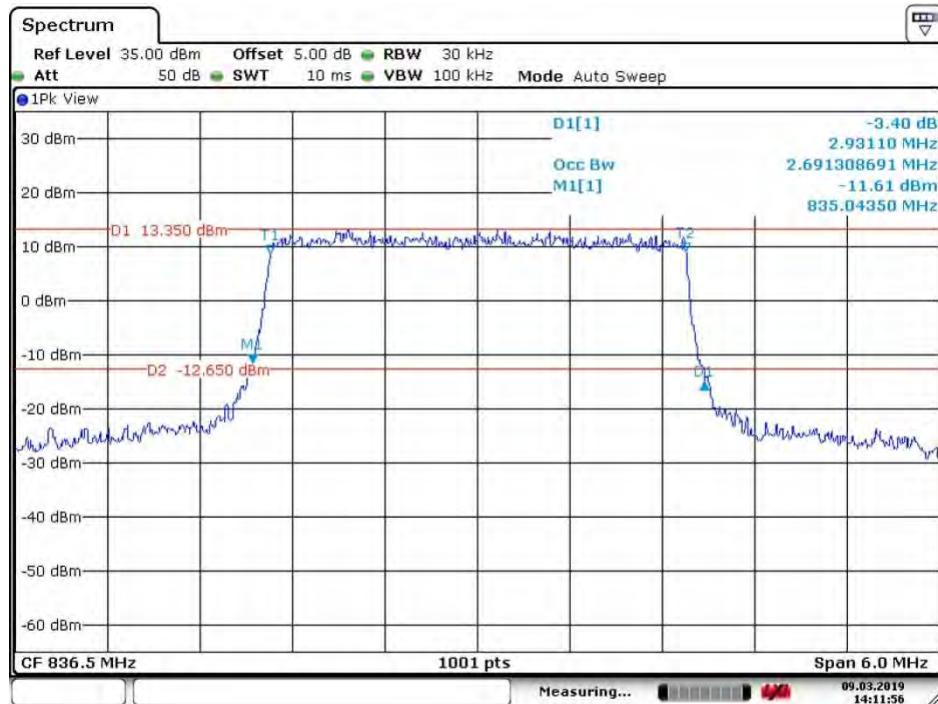
#### 4.1.1.3.2 Test Channel = MCH



#### 4.1.1.3.3 Test Channel = HCH



**4.1.1.4 Test Mode = LTE/TM1 3MHz****4.1.1.4.1 Test Channel = LCH**

**4.1.1.4.2 Test Channel = MCH**

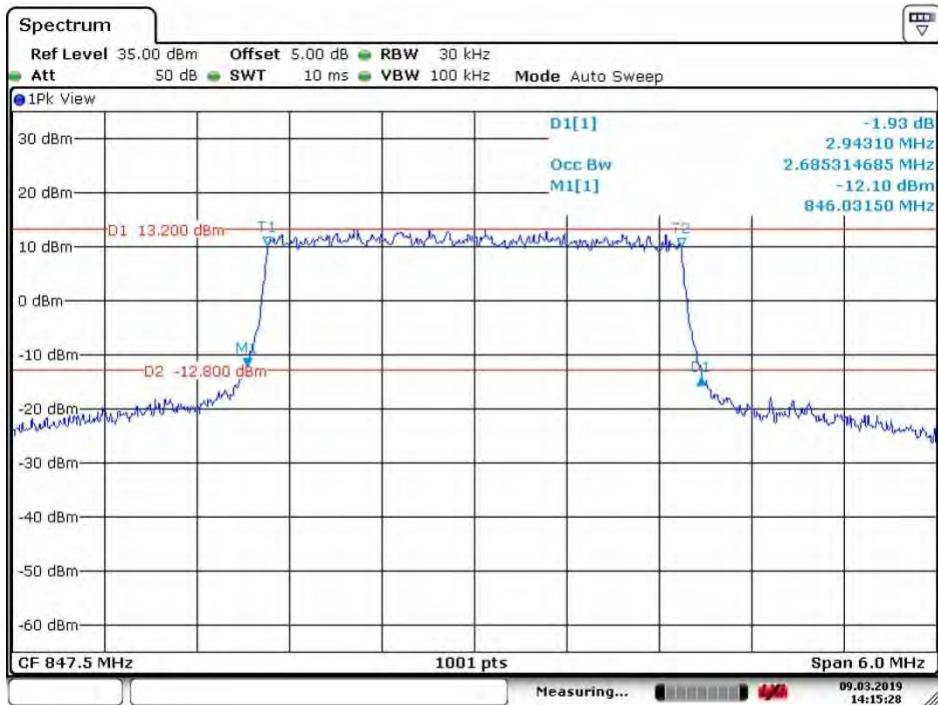
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## 4.1.1.4.3 Test Channel = HCH

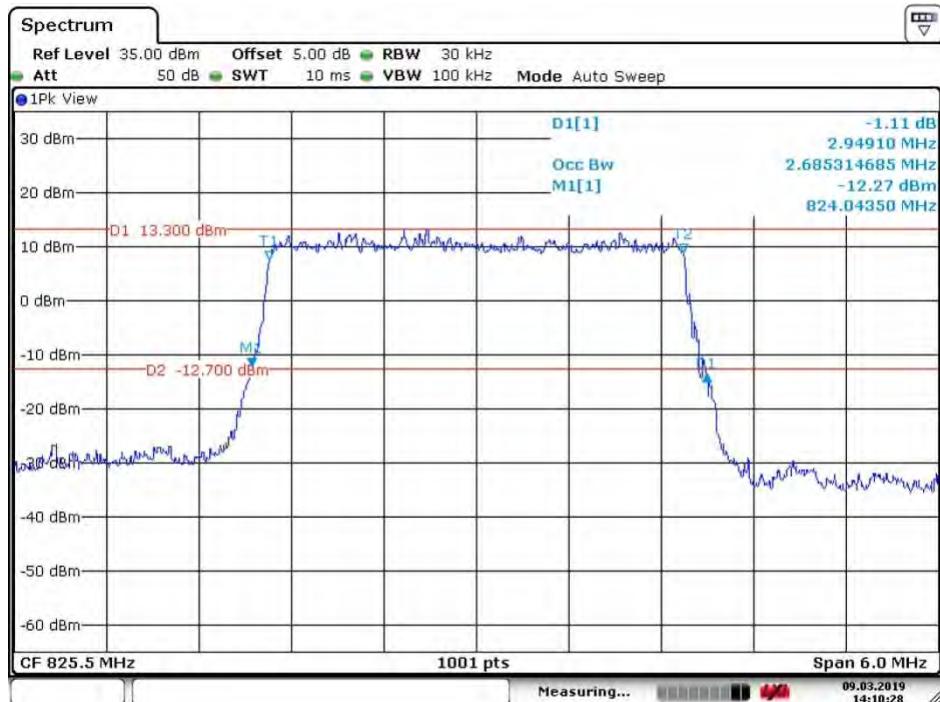


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**4.1.1.5 Test Mode = LTE/TM2 3MHz****4.1.1.5.1 Test Channel = LCH**

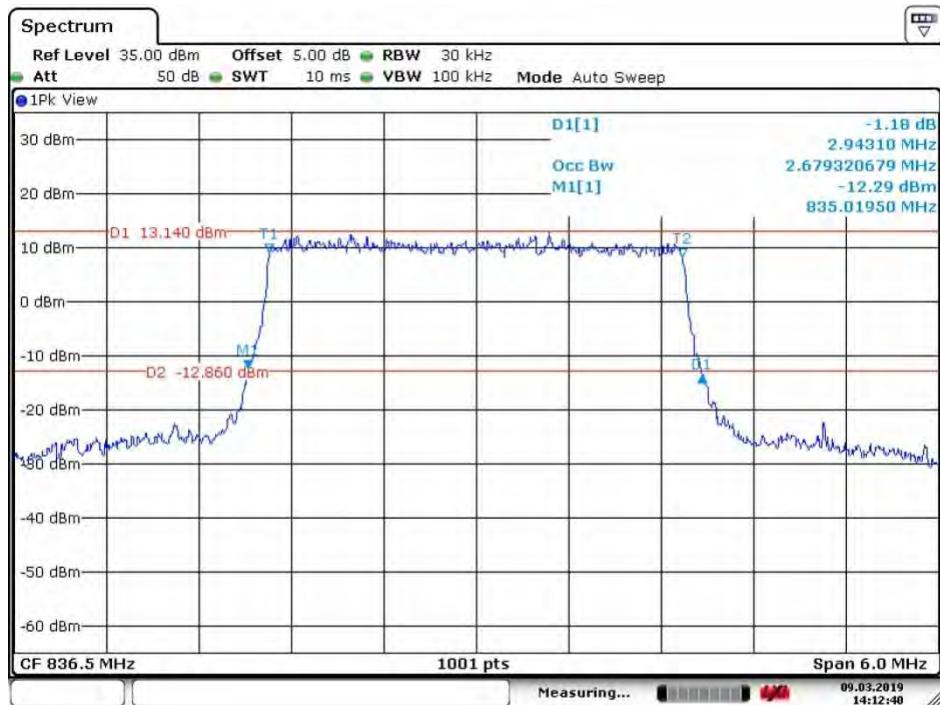
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## 4.1.1.5.2 Test Channel = MCH



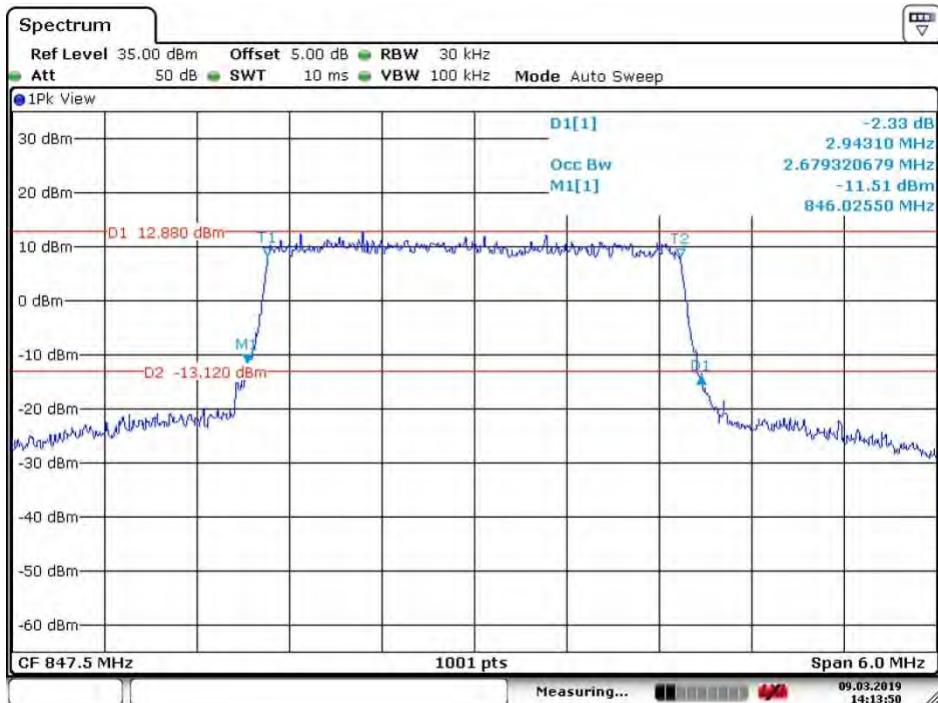
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## 4.1.1.5.3 Test Channel = HCH



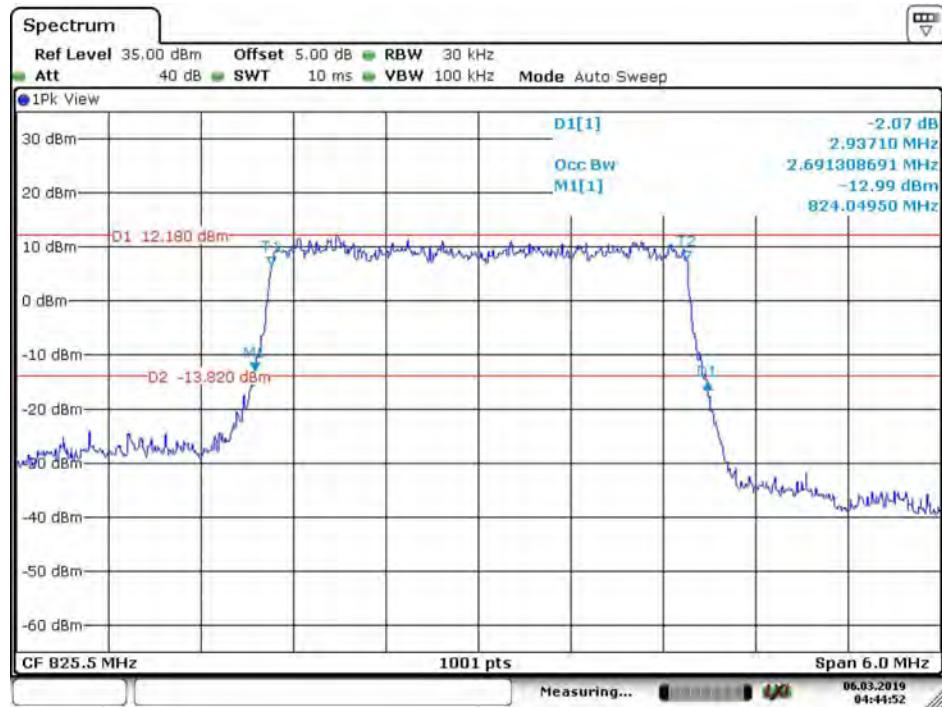
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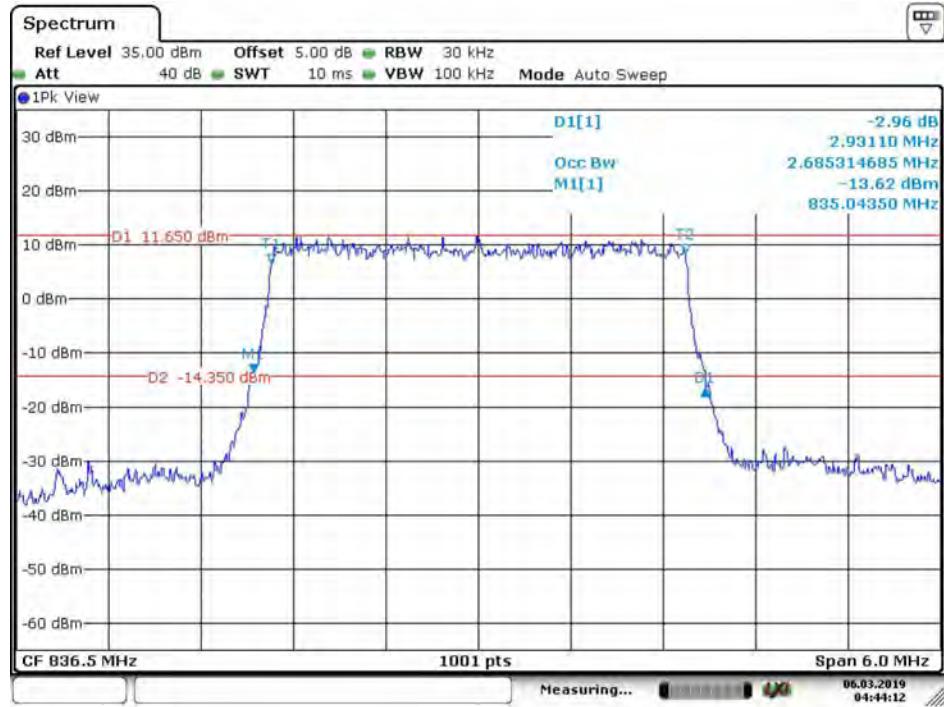
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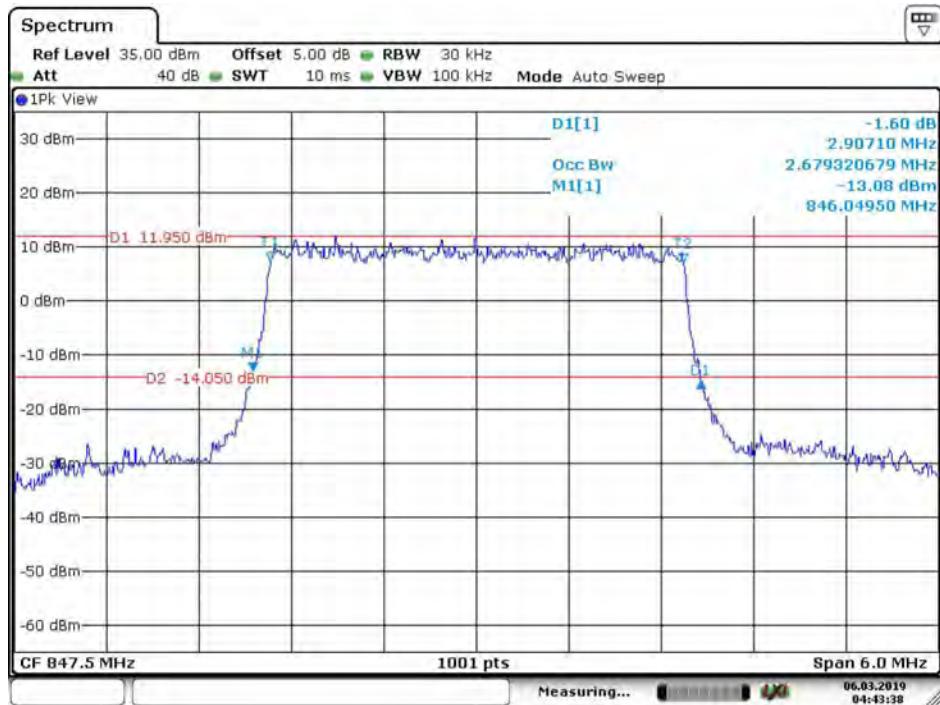


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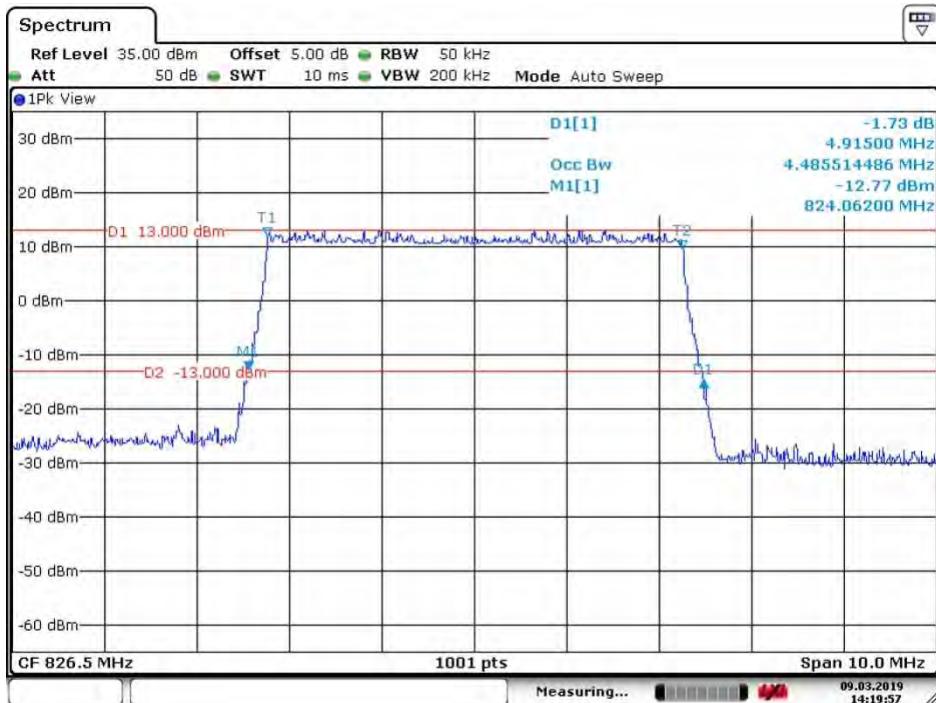
**4.1.1.6 Test Mode = LTE/TM3 3MHz****4.1.1.6.1 Test Channel = LCH**

**4.1.1.6.2 Test Channel = MCH**

**4.1.1.6.3 Test Channel = HCH**

## 4.1.1.7 Test Mode = LTE/TM1 5MHz

## 4.1.1.7.1 Test Channel = LCH



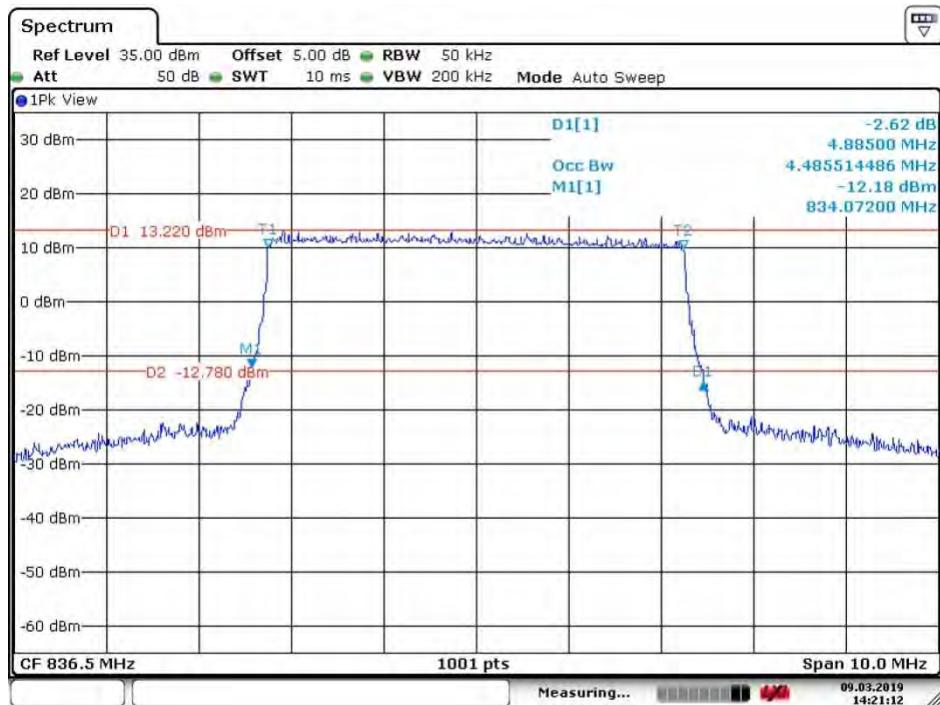
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## 4.1.1.7.2 Test Channel = MCH



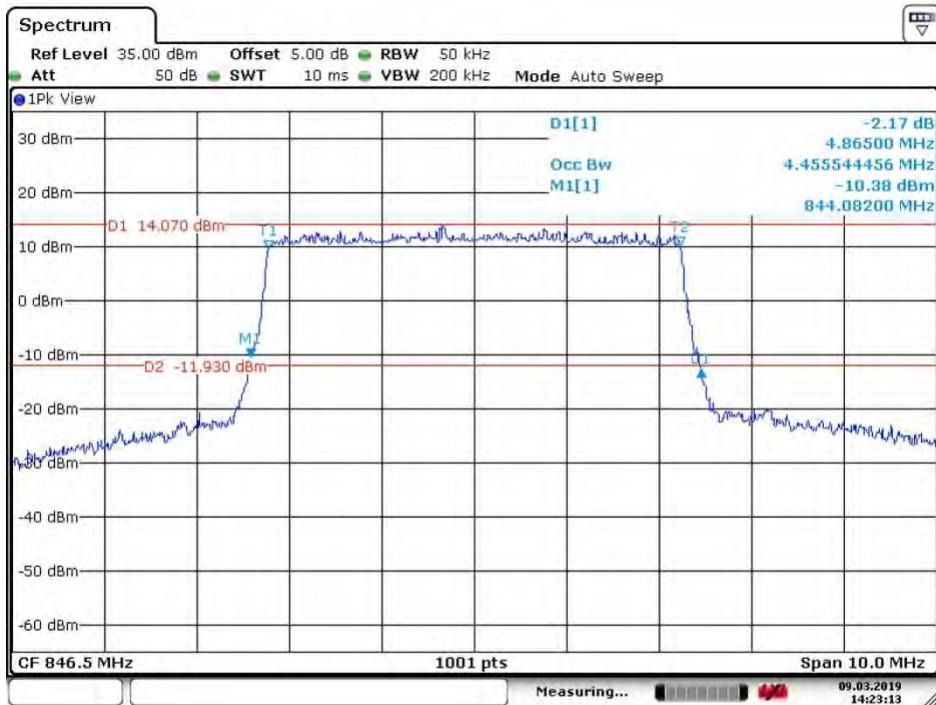
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## 4.1.1.7.3 Test Channel = HCH



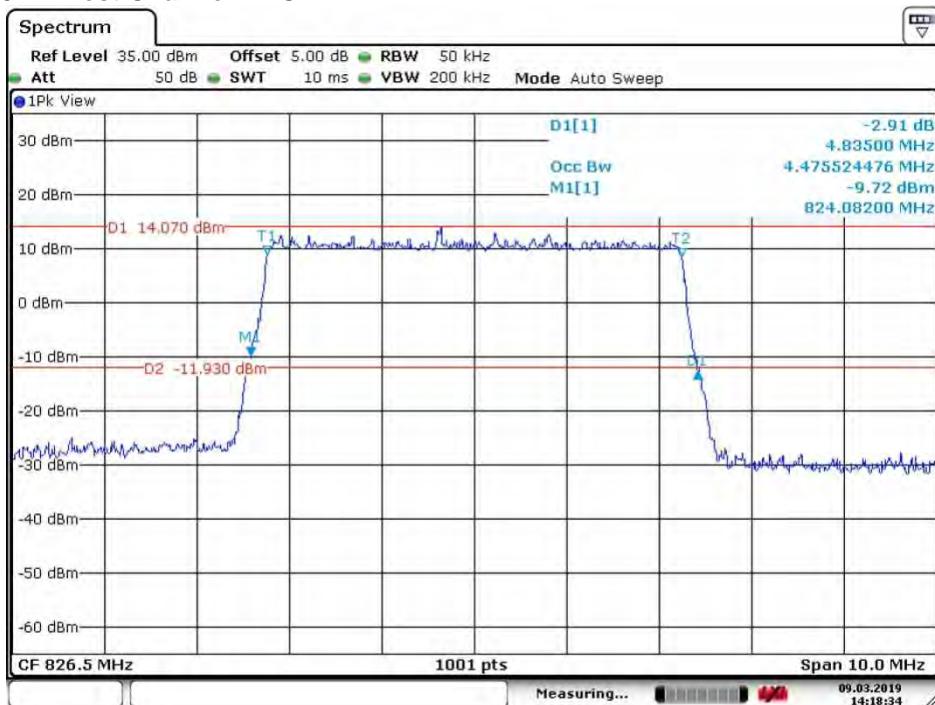
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## 4.1.1.8 Test Mode = LTE/TM2 5MHz

## 4.1.1.8.1 Test Channel = LCH



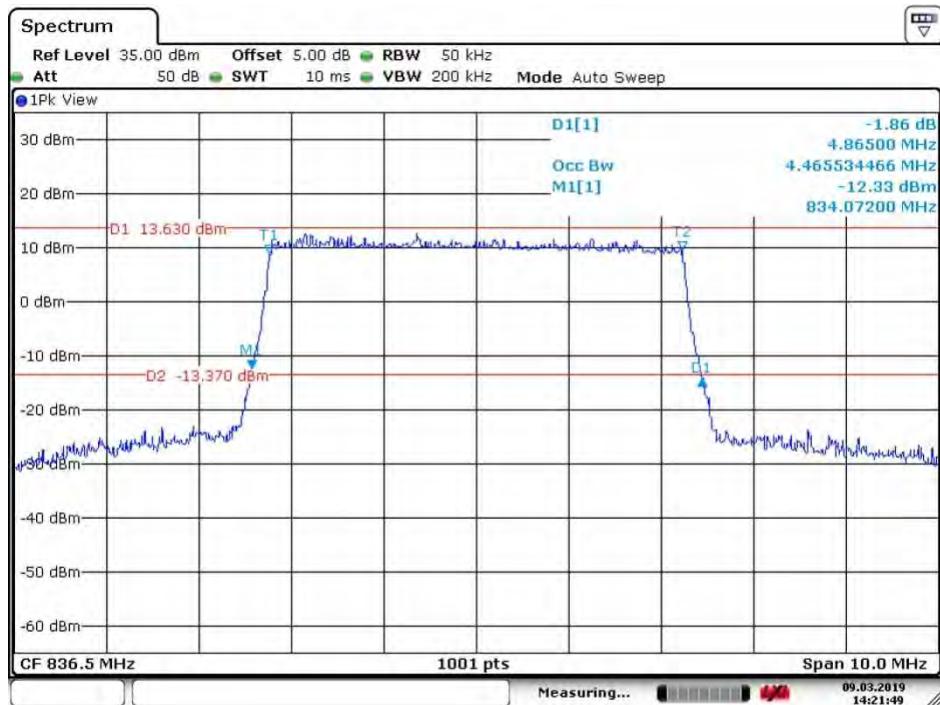
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## 4.1.1.8.2 Test Channel = MCH



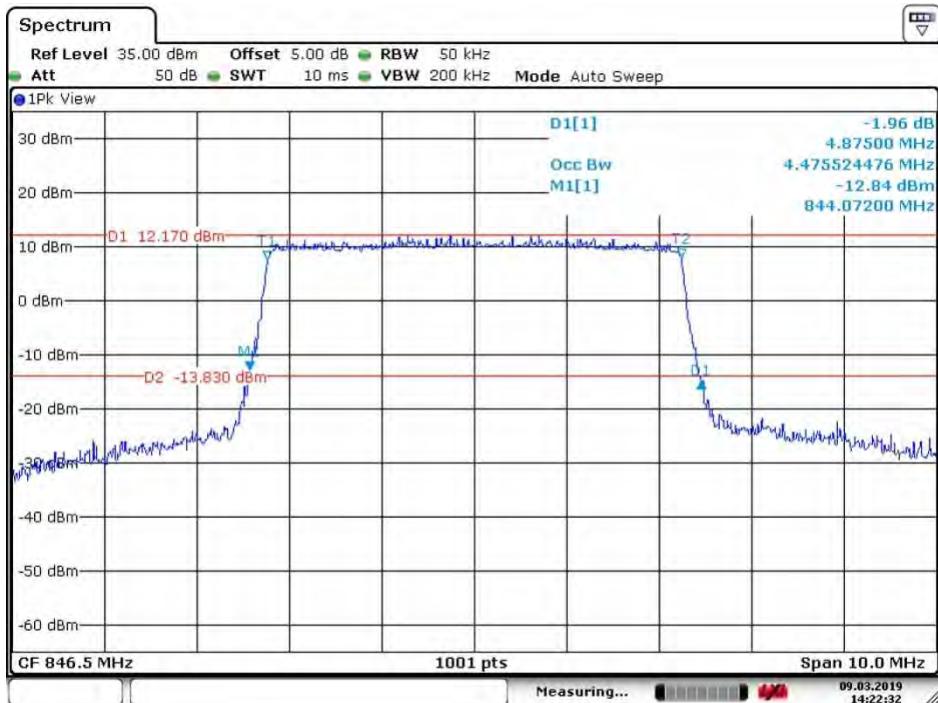
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## 4.1.1.8.3 Test Channel = HCH

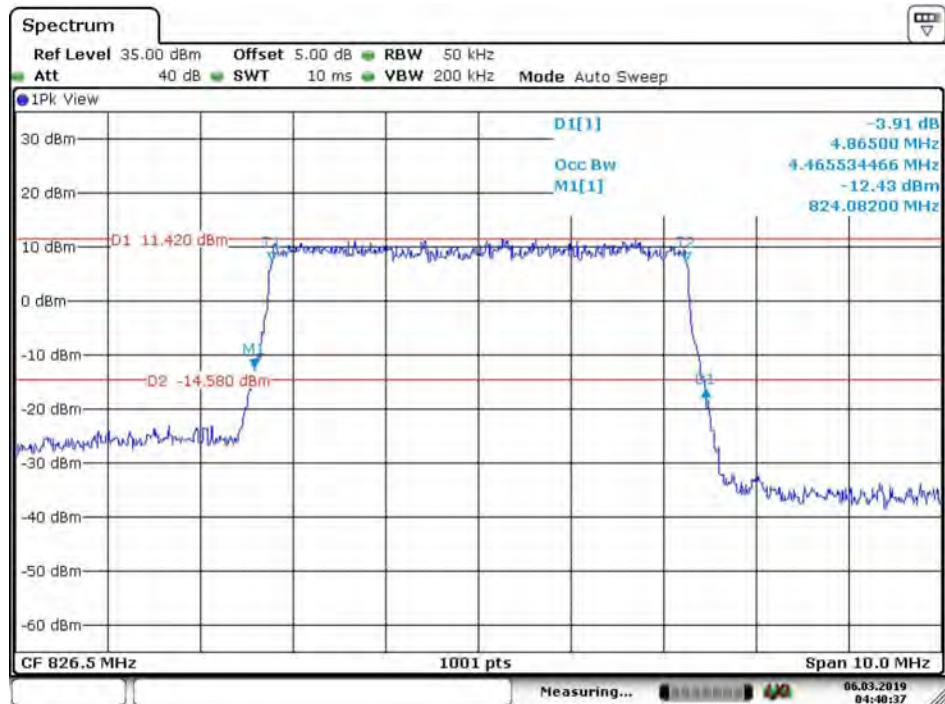


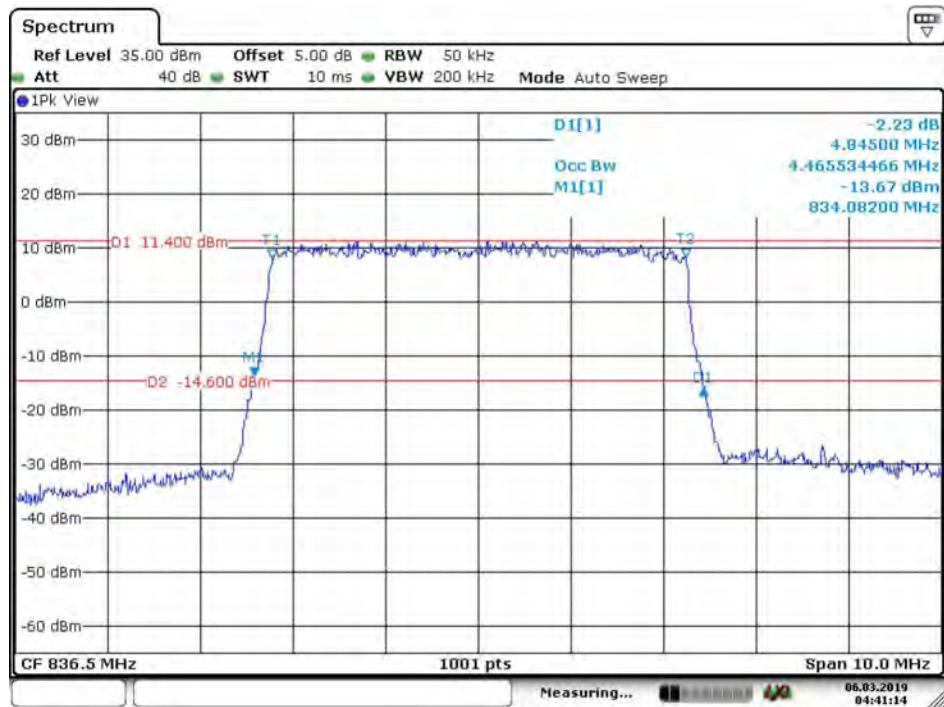
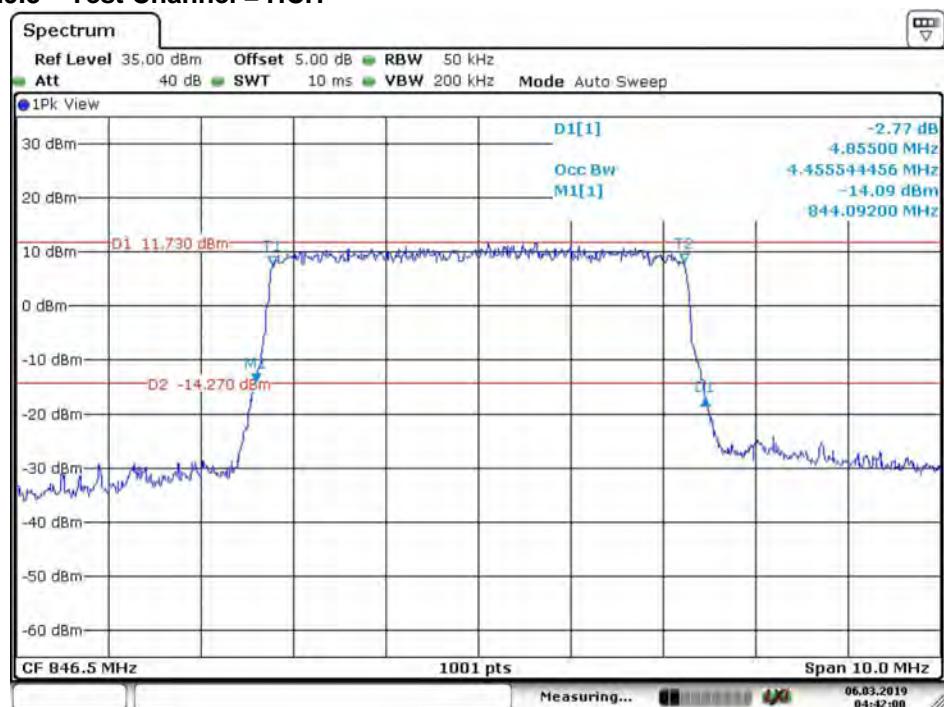
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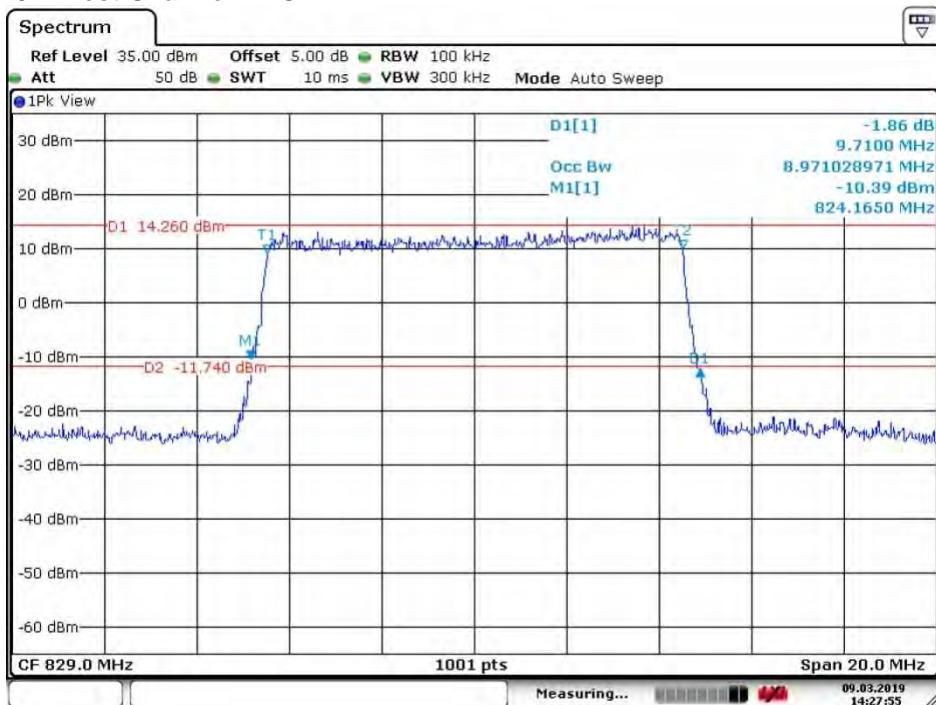
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**4.1.1.9 Test Mode = LTE/TM3 5MHz****4.1.1.9.1 Test Channel = LCH**

**4.1.1.9.2 Test Channel = MCH****4.1.1.9.3 Test Channel = HCH**

## 4.1.1.10 Test Mode = LTE/TM1 10MHz

## 4.1.1.10.1 Test Channel = LCH



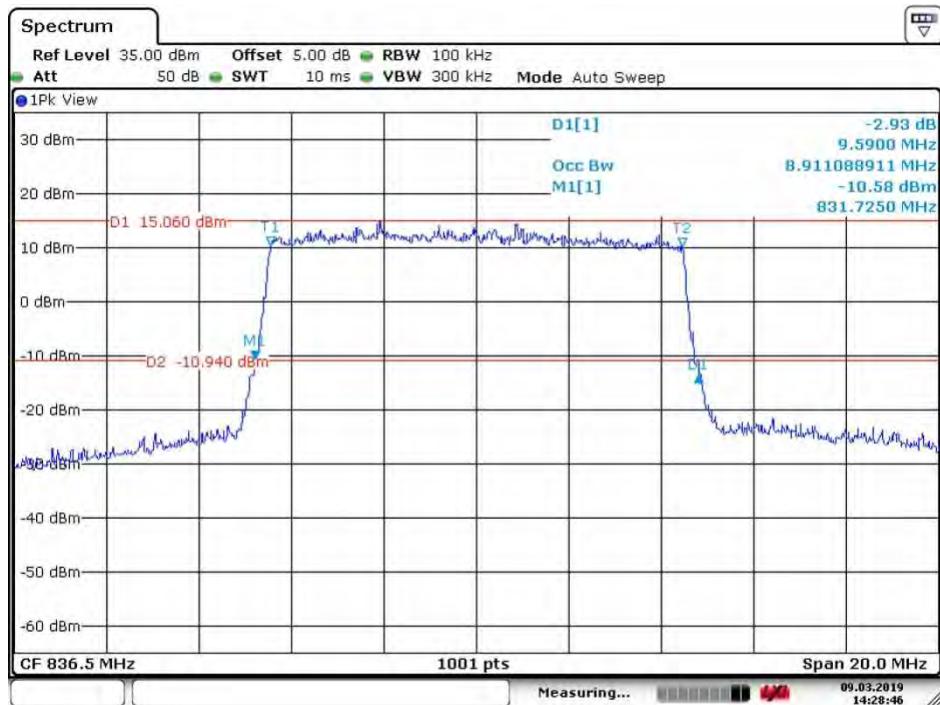
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## 4.1.1.10.2 Test Channel = MCH



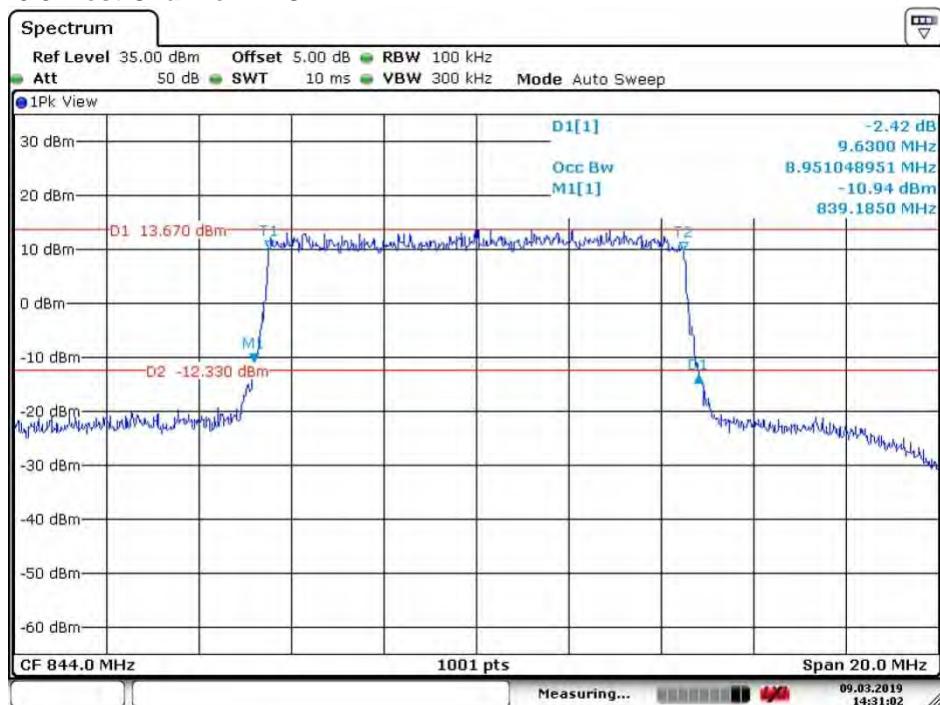
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## 4.1.1.10.3 Test Channel = HCH



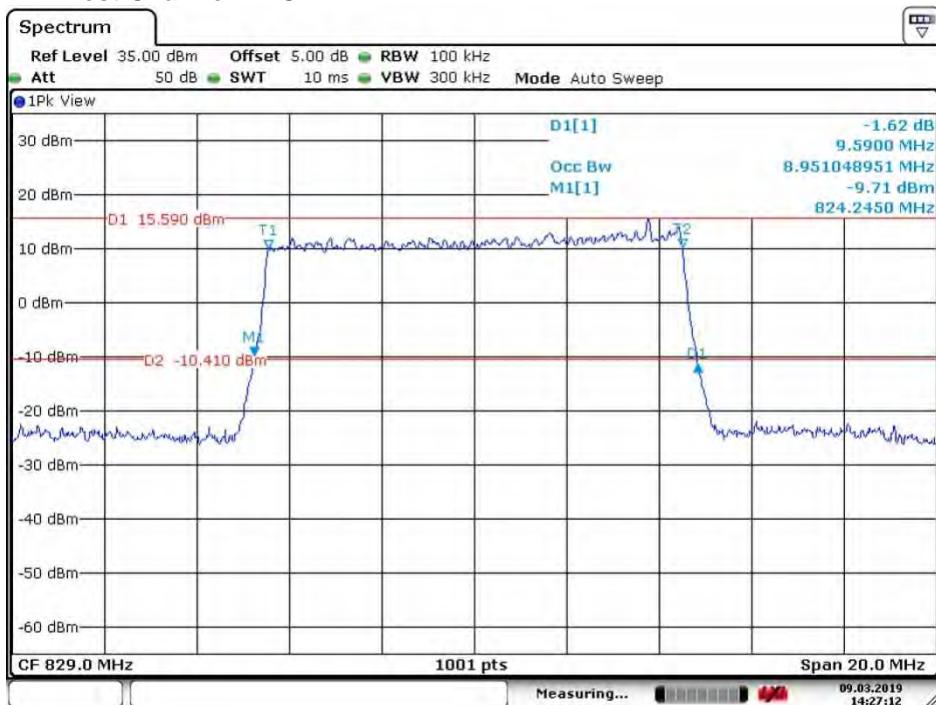
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## 4.1.1.11 Test Mode = LTE/TM2 10MHz

## 4.1.1.11.1 Test Channel = LCH

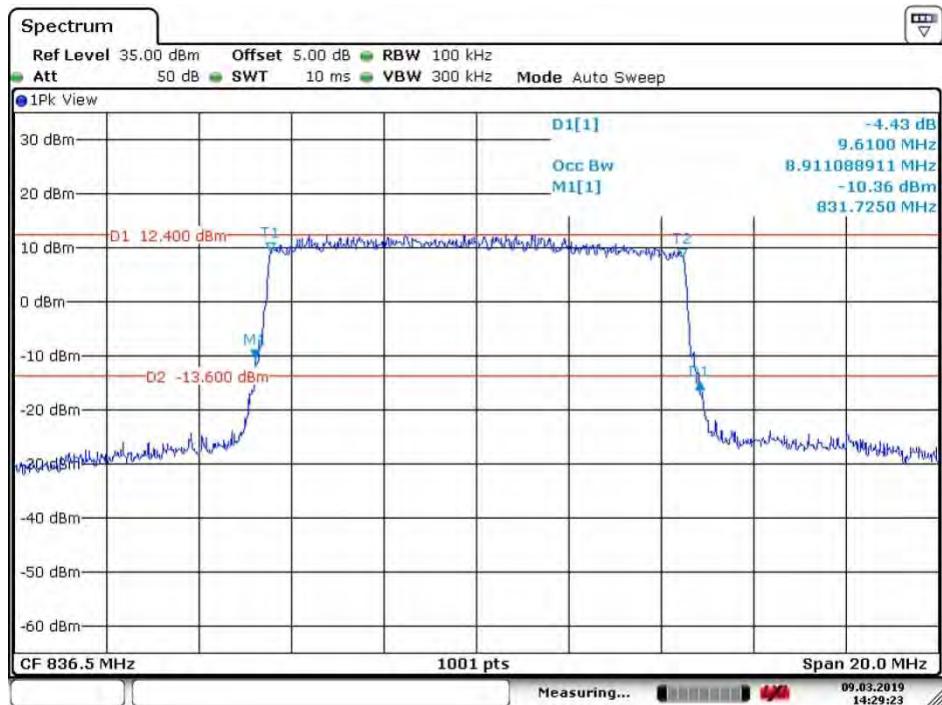


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## 4.1.1.11.2 Test Channel = MCH



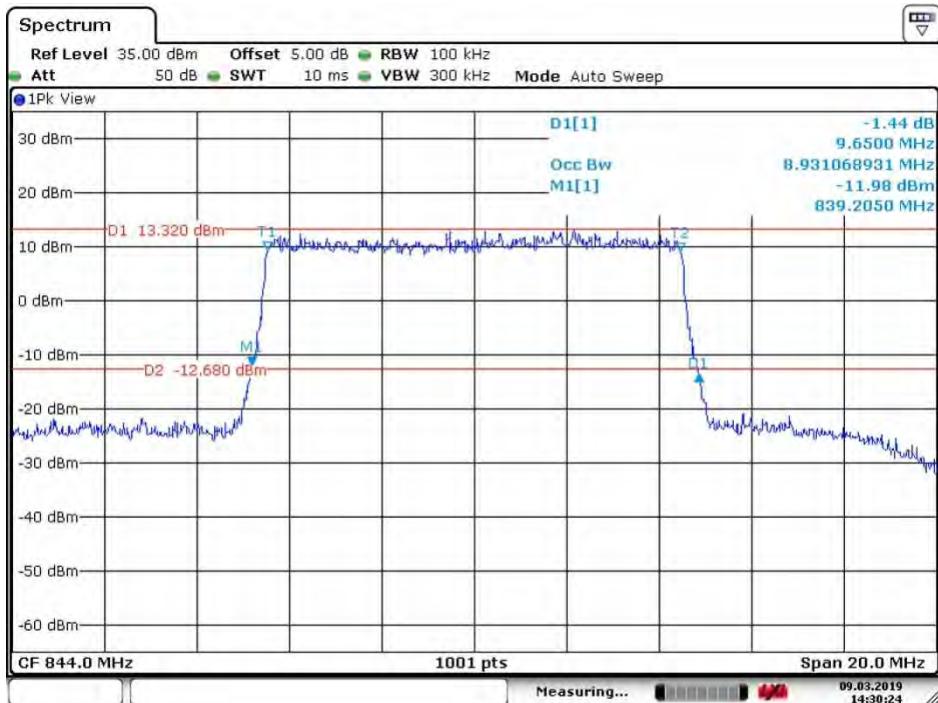
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## 4.1.1.11.3 Test Channel = HCH



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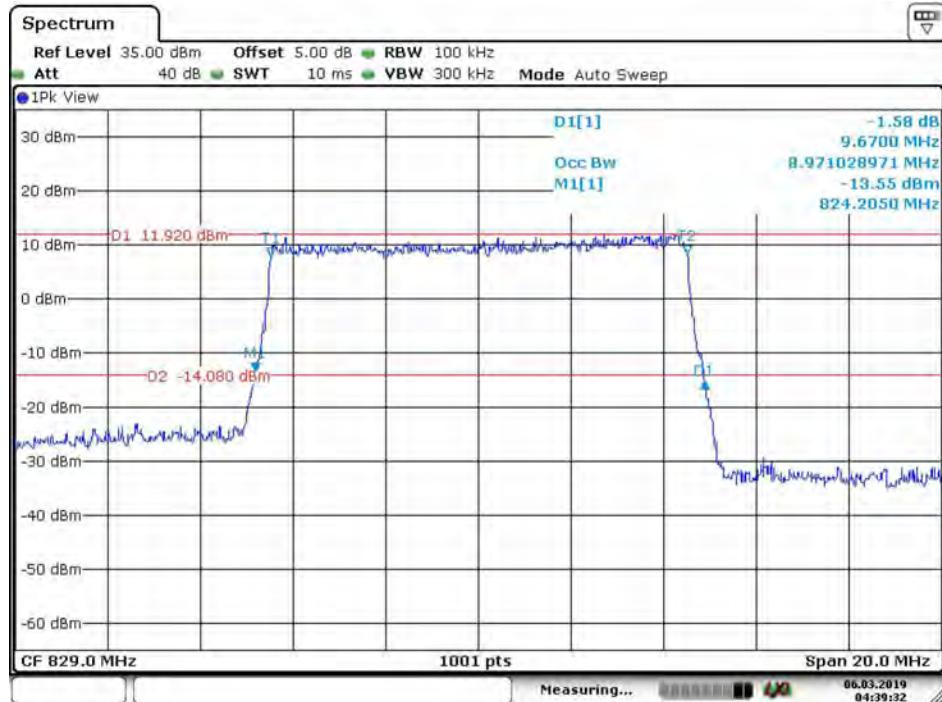
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#### 4.1.1.12 Test Mode = LTE/TM3 10MHz

##### 4.1.1.12.1 Test Channel = LCH

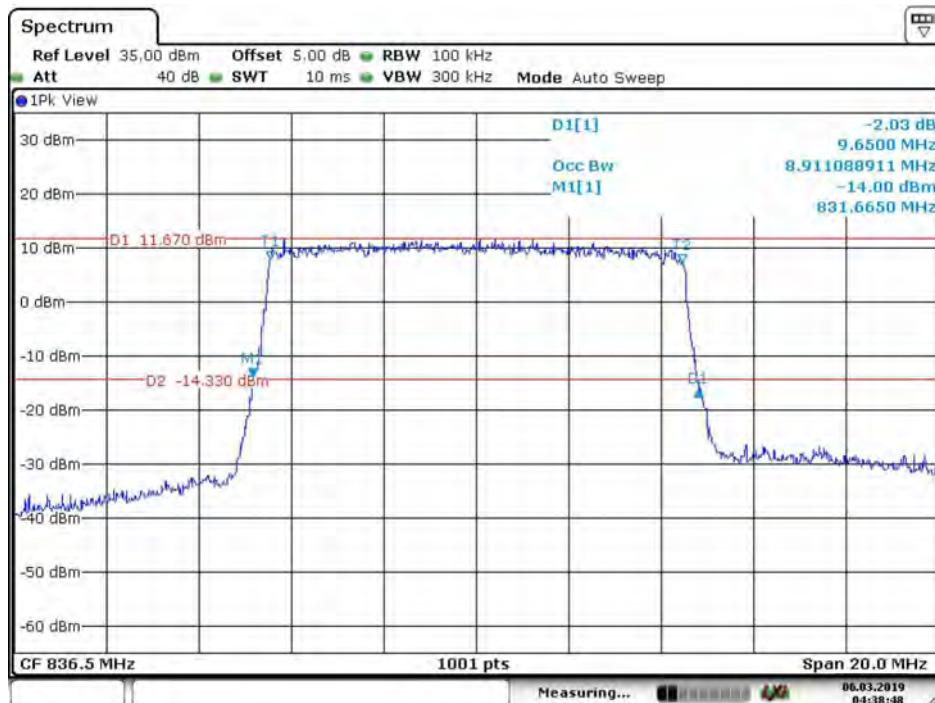


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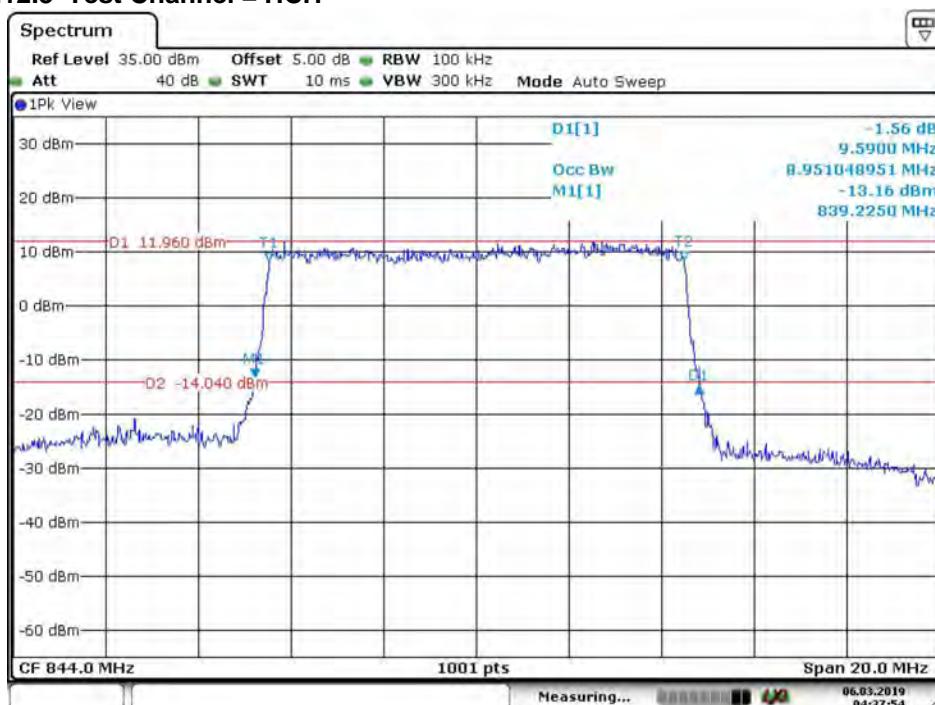
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## 4.1.1.12.2 Test Channel = MCH



## 4.1.1.12.3 Test Channel = HCH



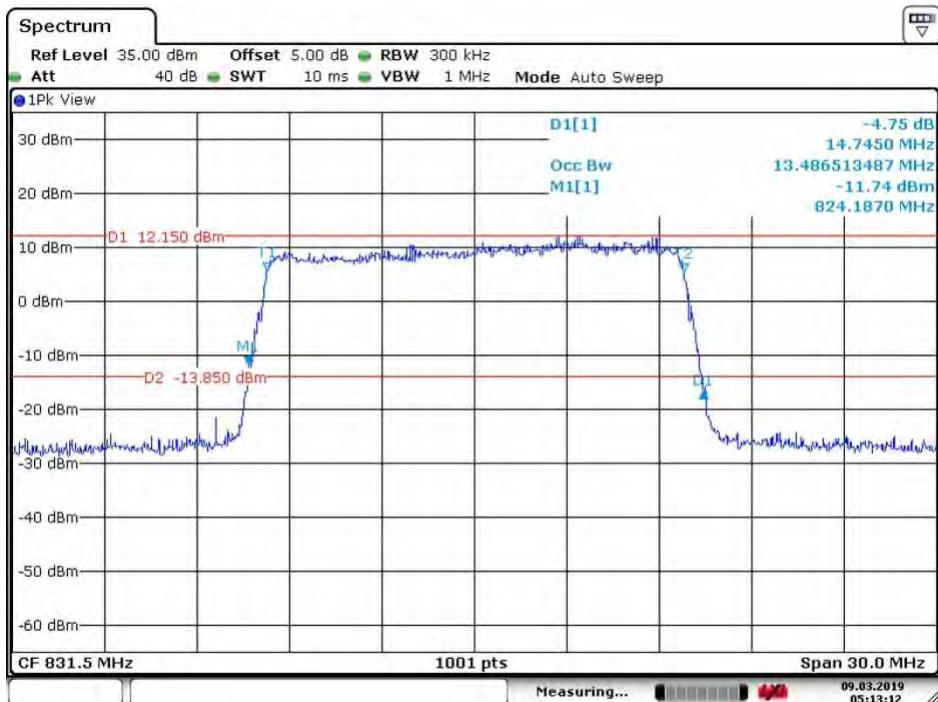
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## 4.1.1.13 Test Mode = LTE/TM1 15MHz

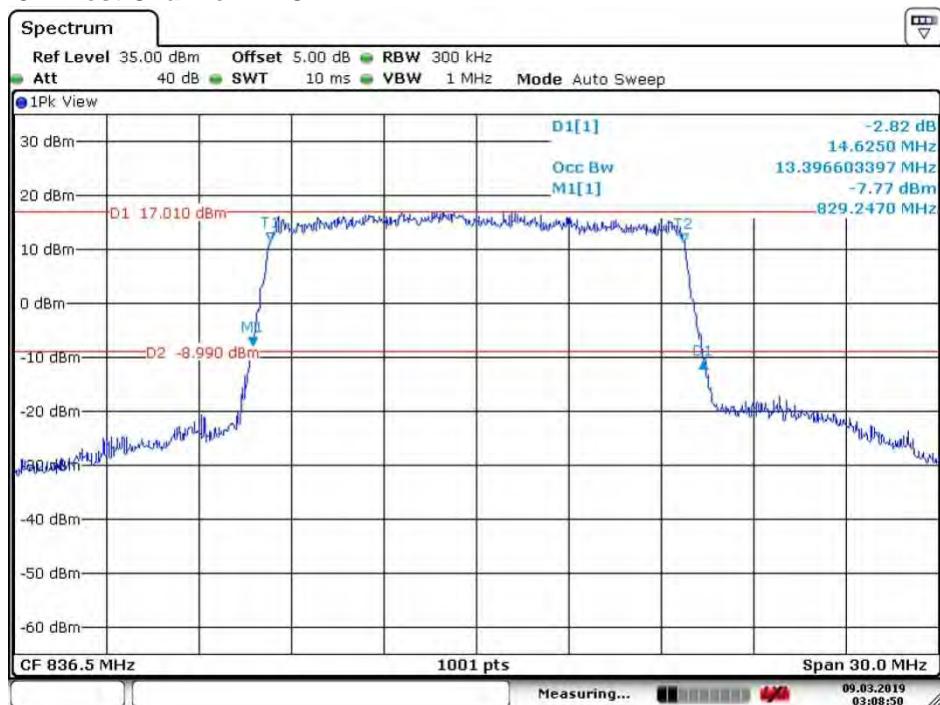
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**4.1.1.13.2 Test Channel = MCH**

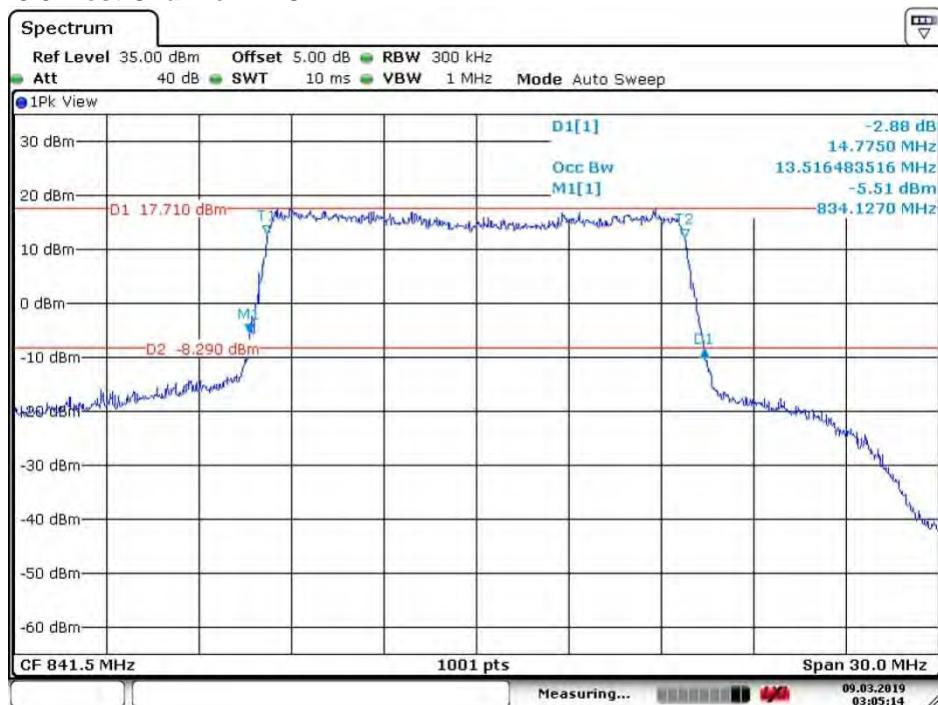
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## 4.1.1.13.3 Test Channel = HCH



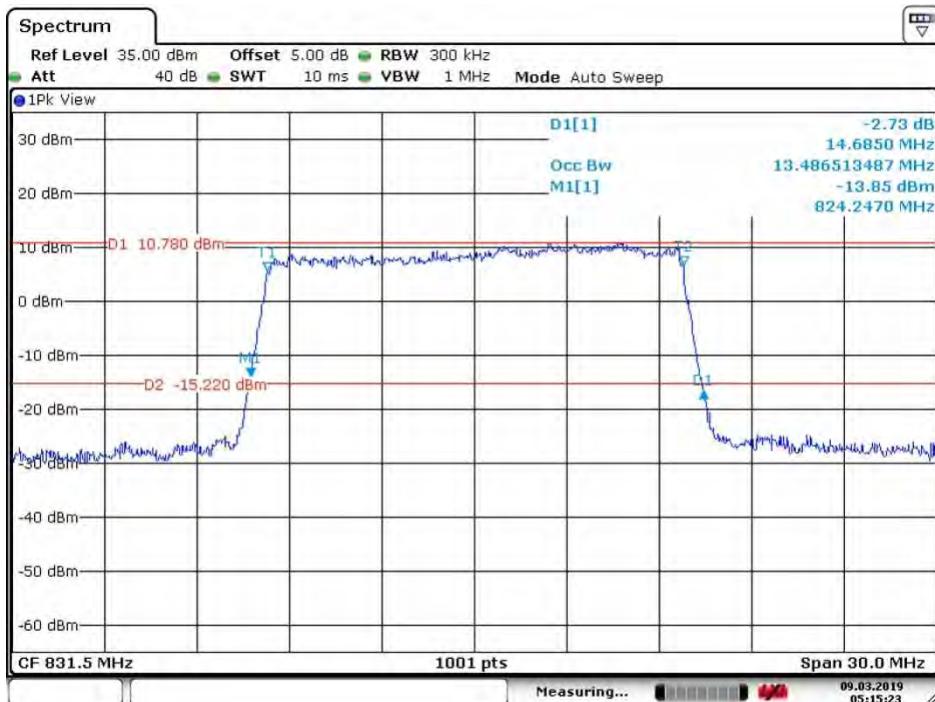
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## 4.1.1.14 Test Mode = LTE/TM2 15MHz

## 4.1.1.14.1 Test Channel = LCH



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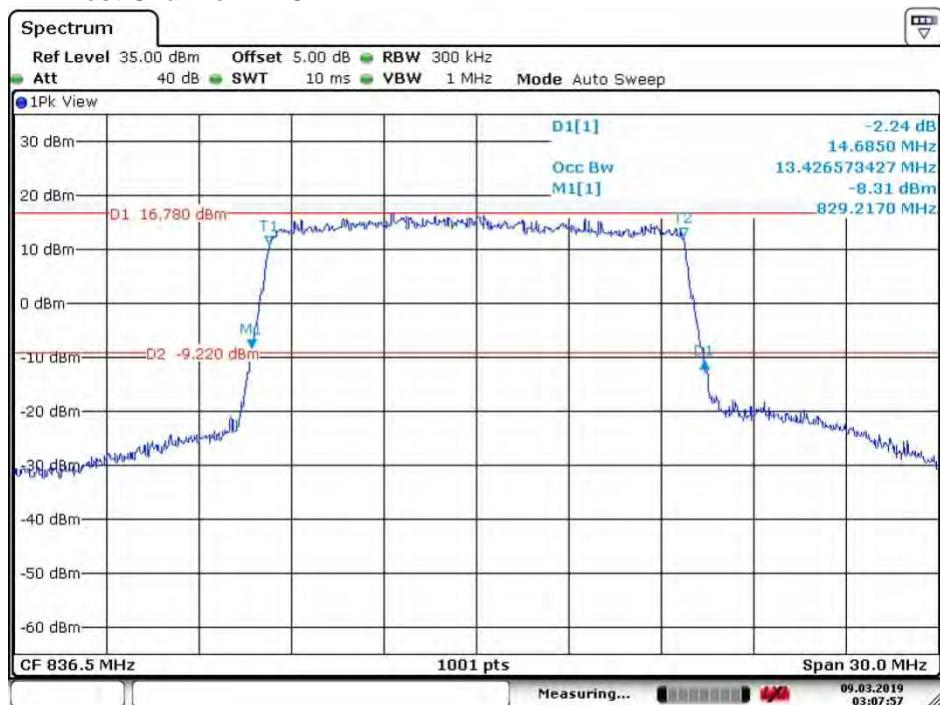
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## 4.1.1.14.2 Test Channel = MCH



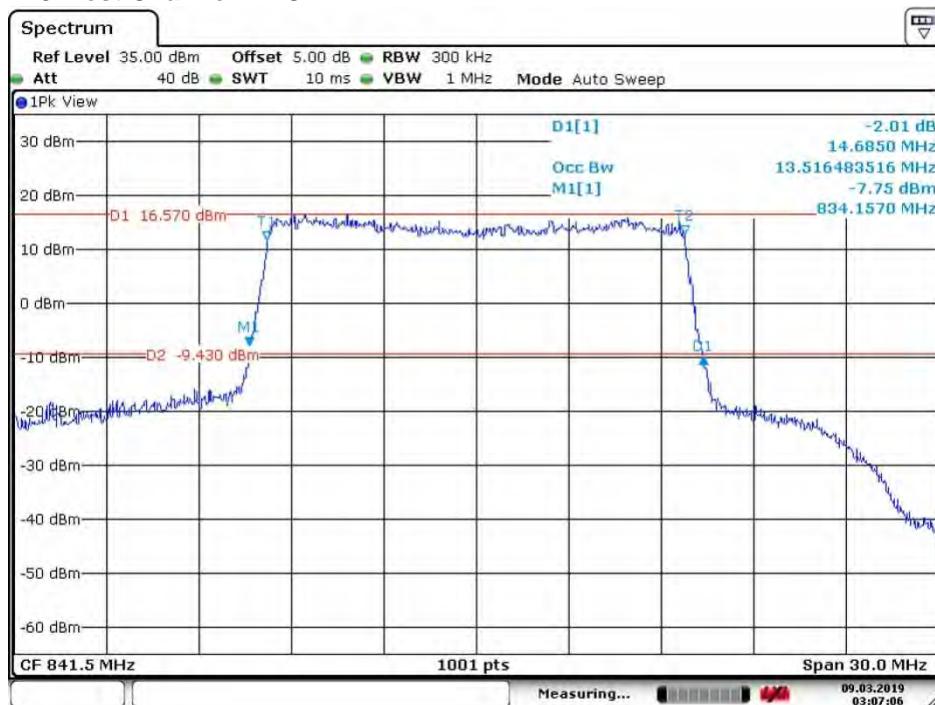
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## 4.1.1.14.3 Test Channel = HCH



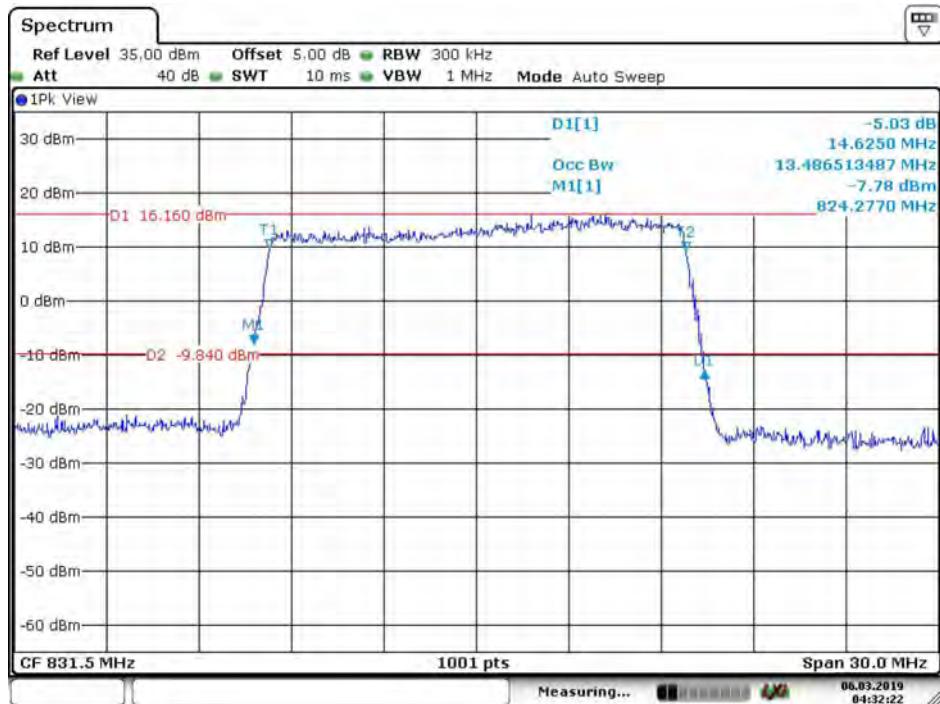
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#### 4.1.1.15 Test Mode = LTE/TM3 15MHz

##### 4.1.1.15.1 Test Channel = LCH

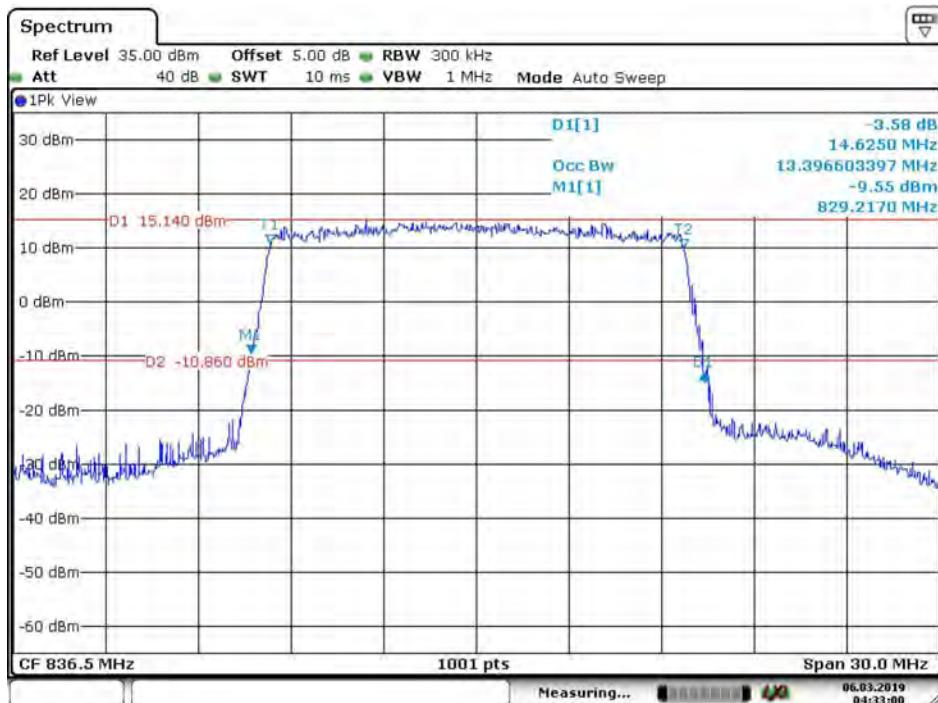


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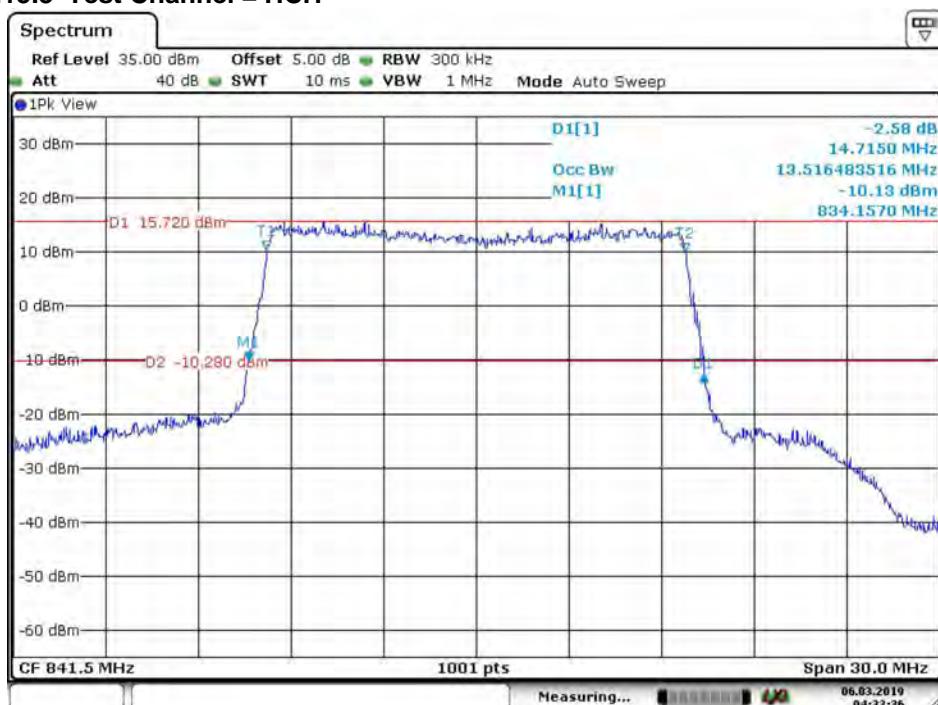
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## 4.1.1.15.2 Test Channel = MCH



## 4.1.1.15.3 Test Channel = HCH



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## 5 Band Edges Compliance

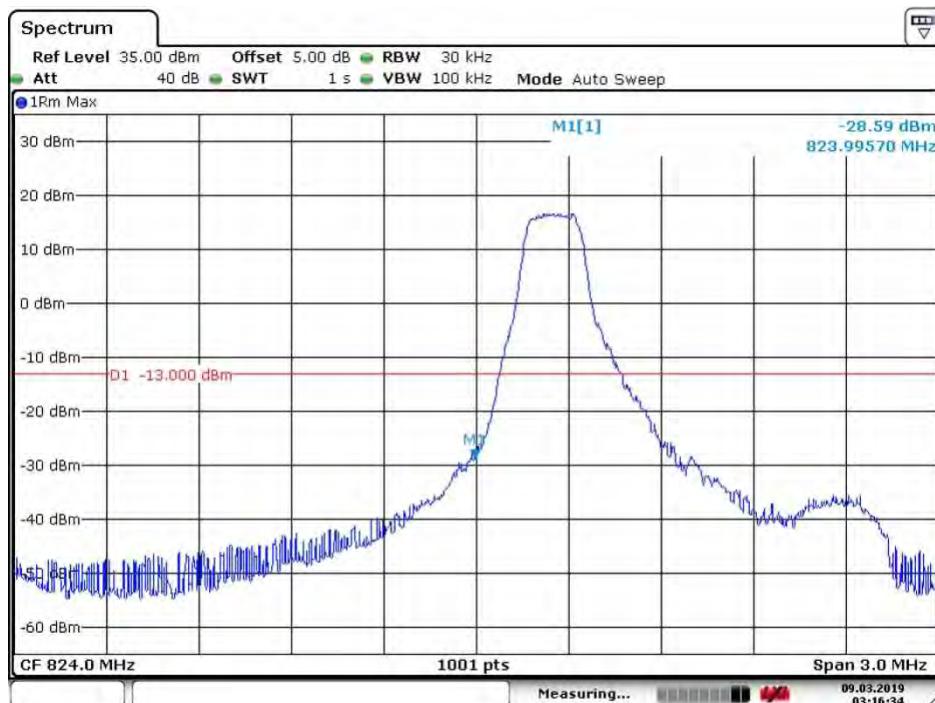
### 5.1 For LTE

#### 5.1.1 Test Band = LTE BAND 26

##### 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



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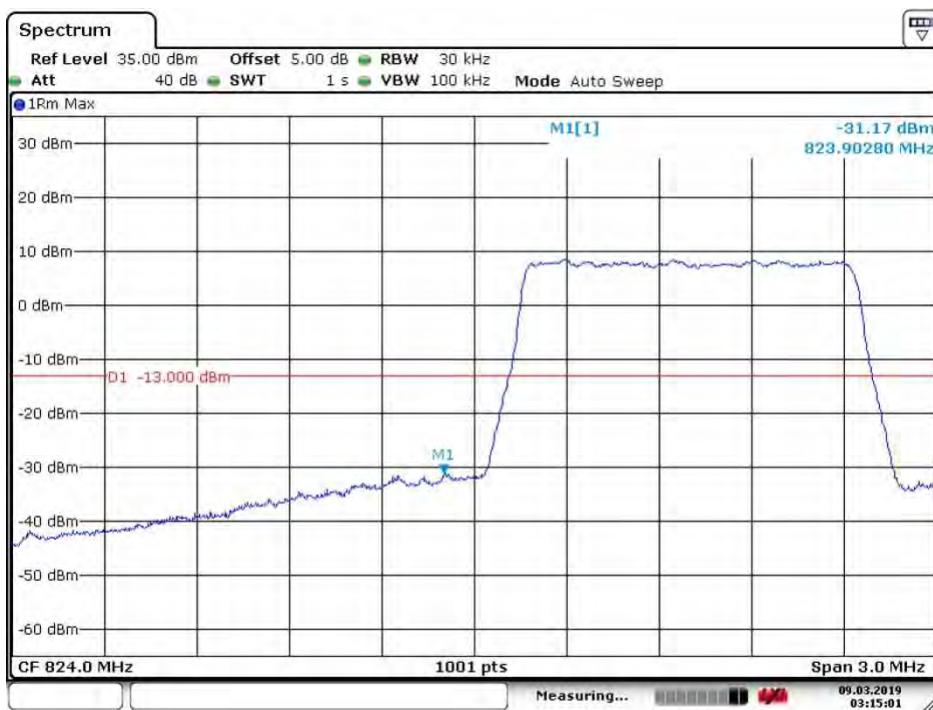
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## 5.1.1.1.1.2 Test RB=6RB



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**5.1.1.1.2 Test Channel = HCH****5.1.1.1.2.1 Test RB=1RB**

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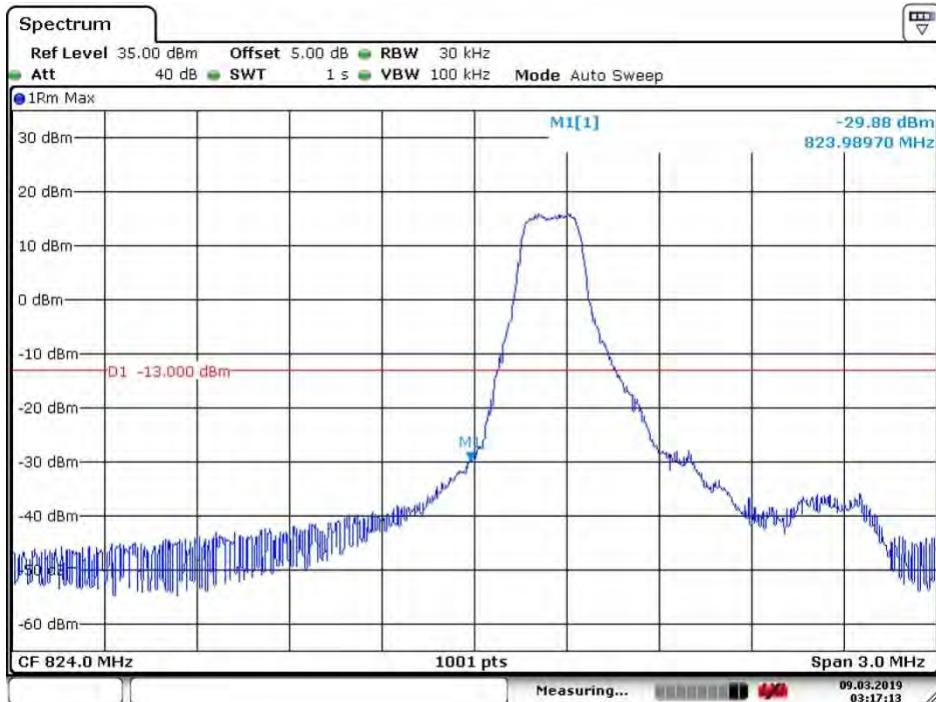
**5.1.1.1.2.2 Test RB=6RB**

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**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**

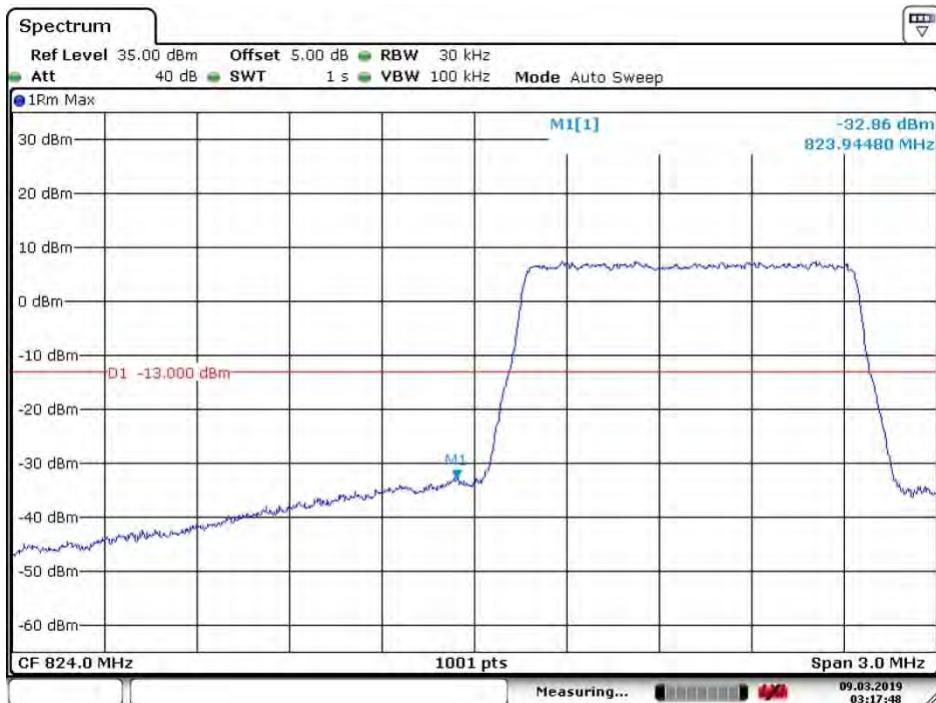
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## 5.1.1.2.1.2 Test RB=6RB

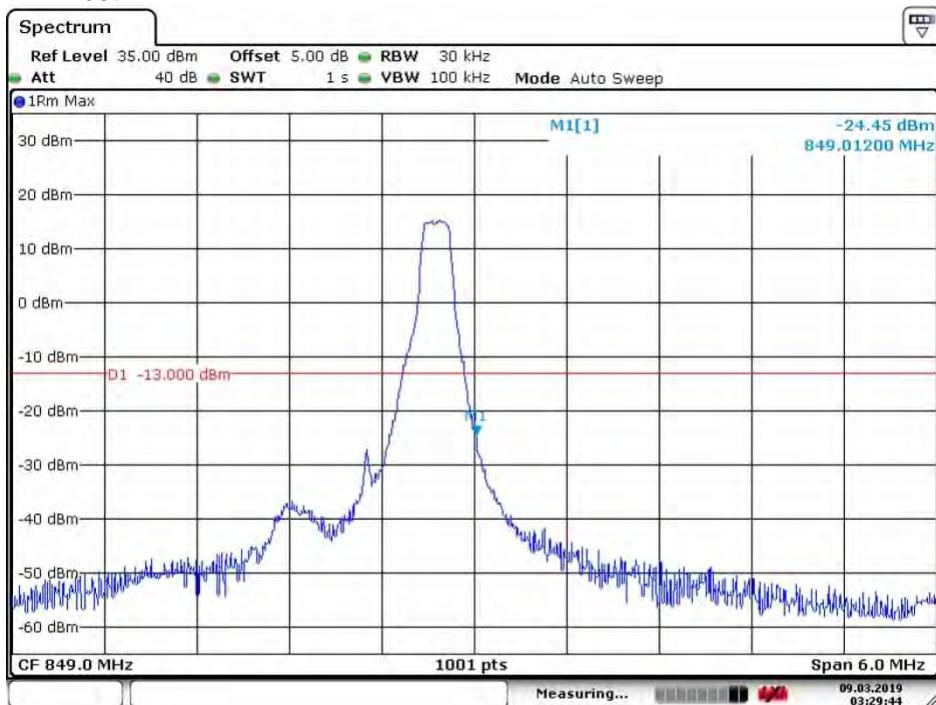


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**5.1.1.2.2 Test Channel = HCH****5.1.1.2.2.1 Test RB=1RB**

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## 5.1.1.2.2.2 Test RB=6RB



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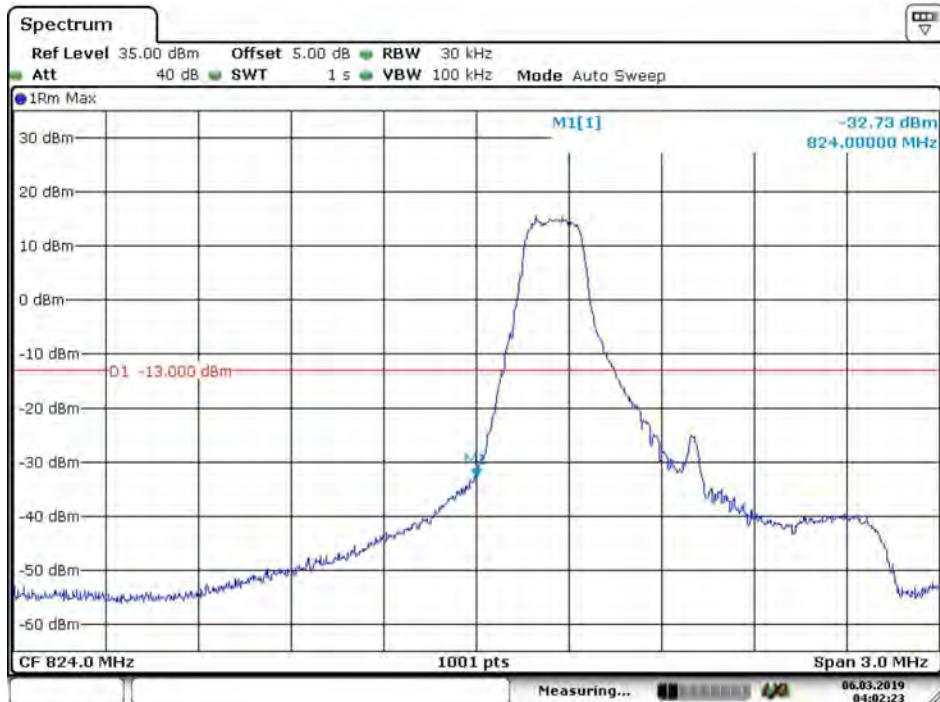


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### 5.1.1.3 Test Mode = LTE/TM3 1.4MHz

#### 5.1.1.3.1 Test Channel = LCH

##### 5.1.1.3.1.1 Test RB=1RB



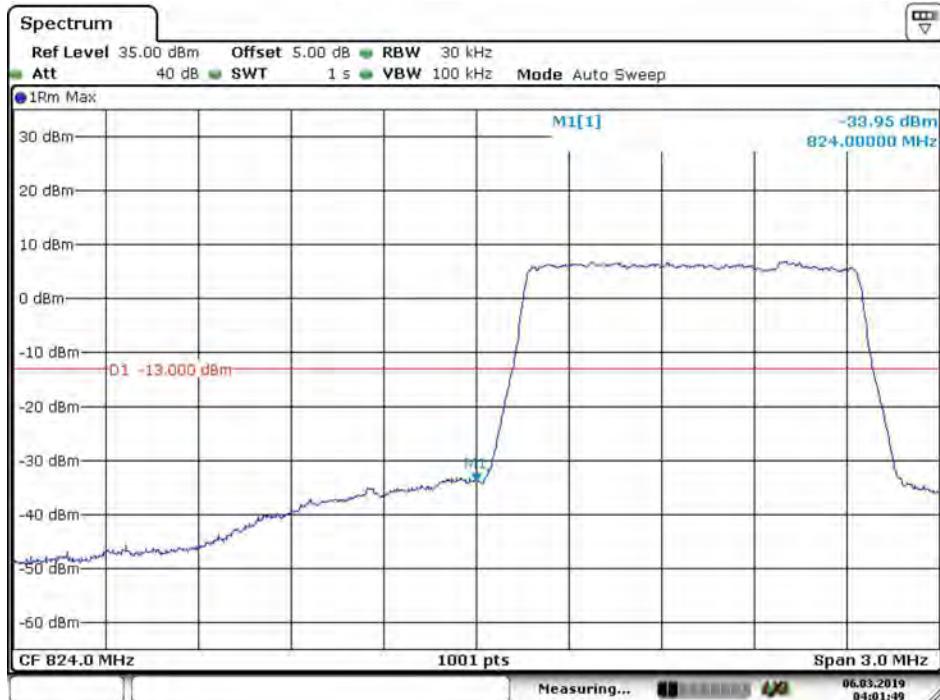
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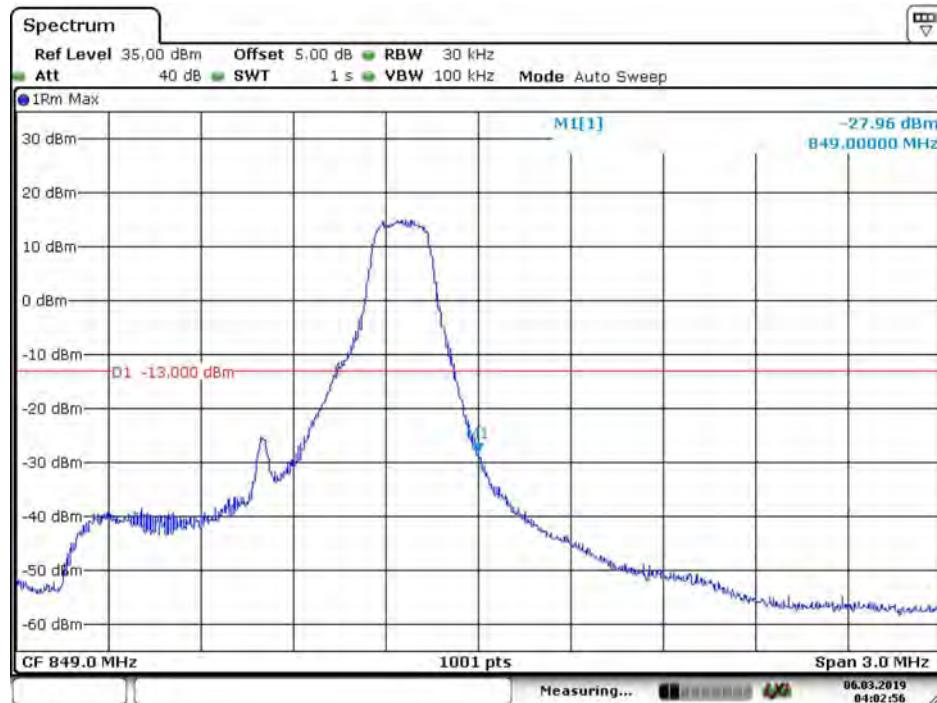
**5.1.1.3.1.2 Test RB=6RB**

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**5.1.1.3.2 Test Channel = HCH****5.1.1.3.2.1 Test RB=1RB**

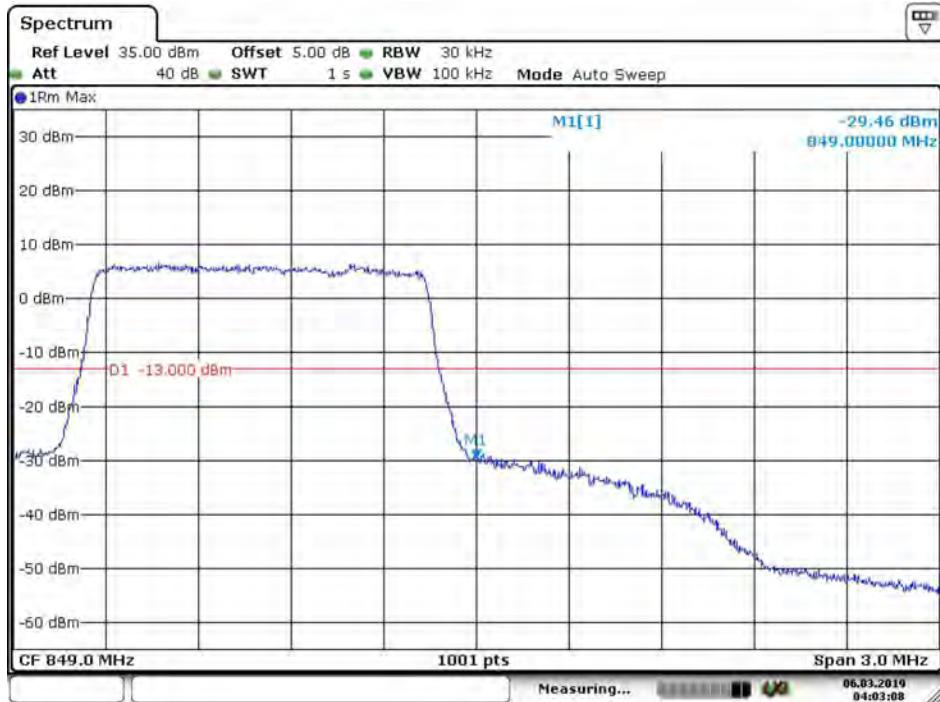
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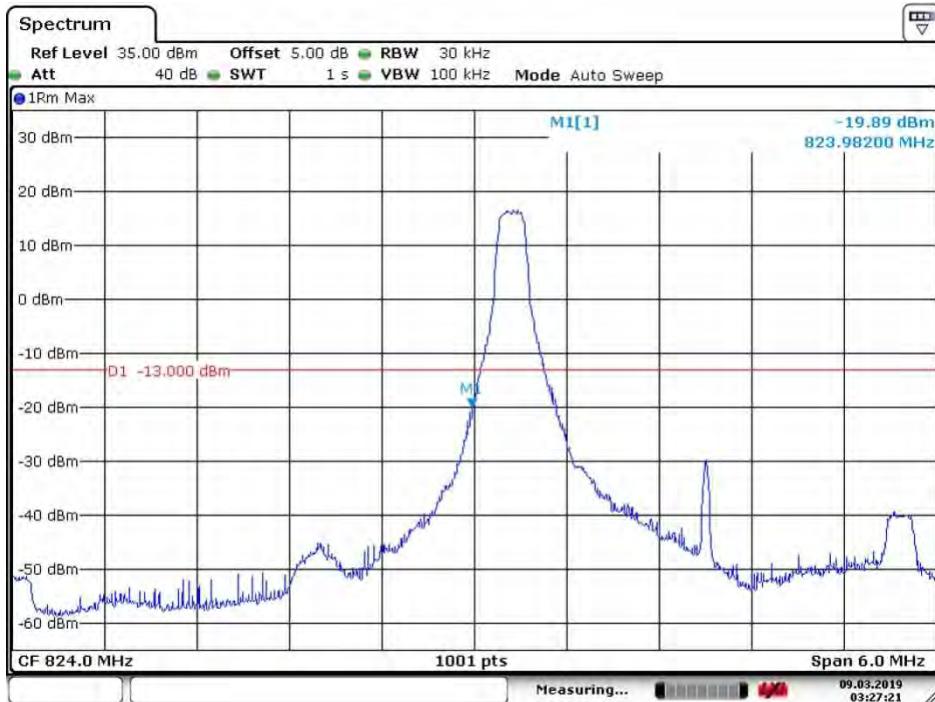
**5.1.1.3.2.2 Test RB=6RB**

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**5.1.1.4 Test Mode = LTE/TM1 3MHz****5.1.1.4.1 Test Channel = LCH****5.1.1.4.1.1 Test RB=1RB**

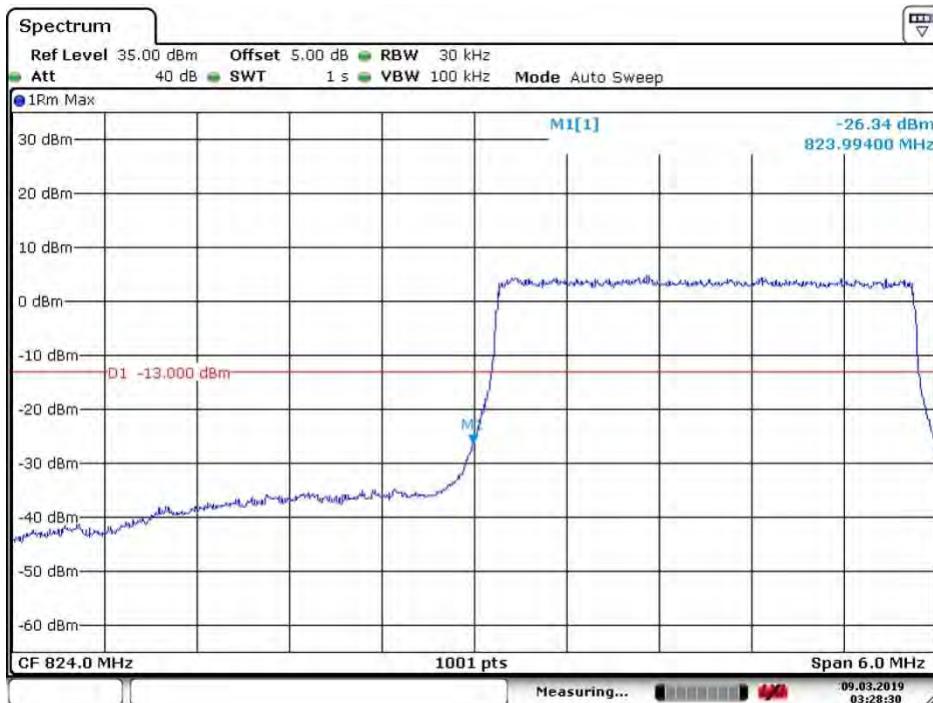
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## 5.1.1.4.1.2 Test RB=15RB

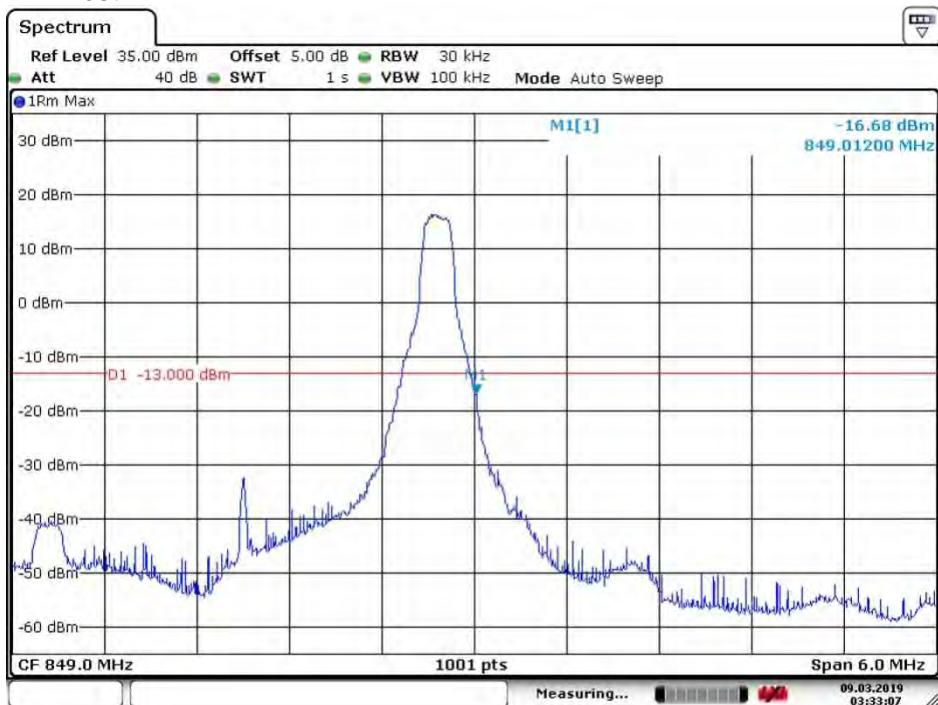


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**5.1.1.4.2 Test Channel = HCH****5.1.1.4.2.1 Test RB=1RB**

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## 5.1.1.4.2.2 Test RB=15RB



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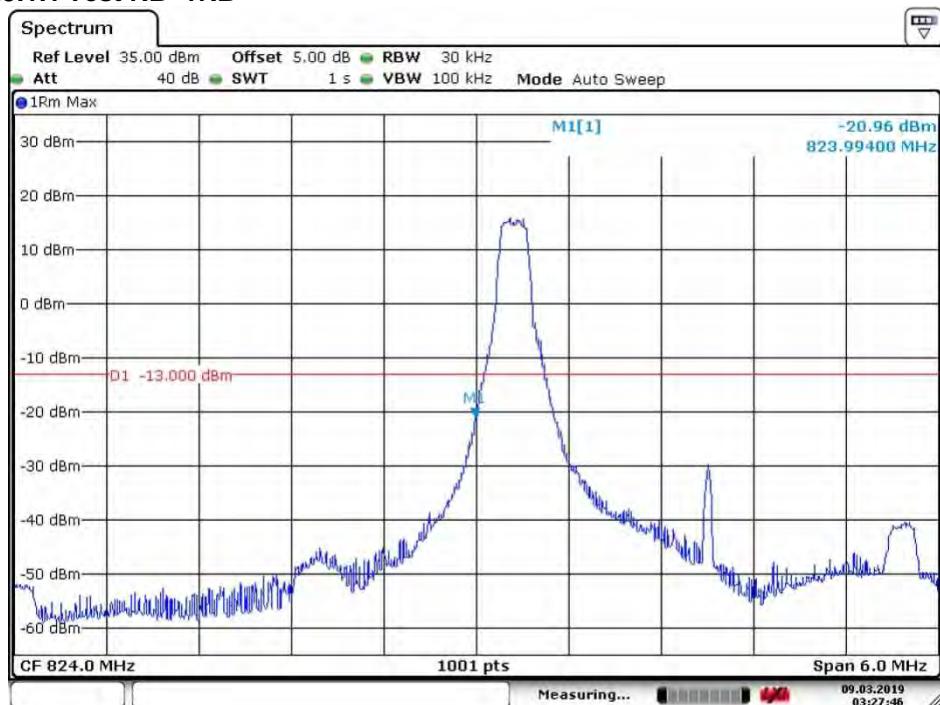


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## 5.1.1.5 Test Mode = LTE/TM2 3MHz

## 5.1.1.5.1 Test Channel = LCH

## 5.1.1.5.1.1 Test RB=1RB



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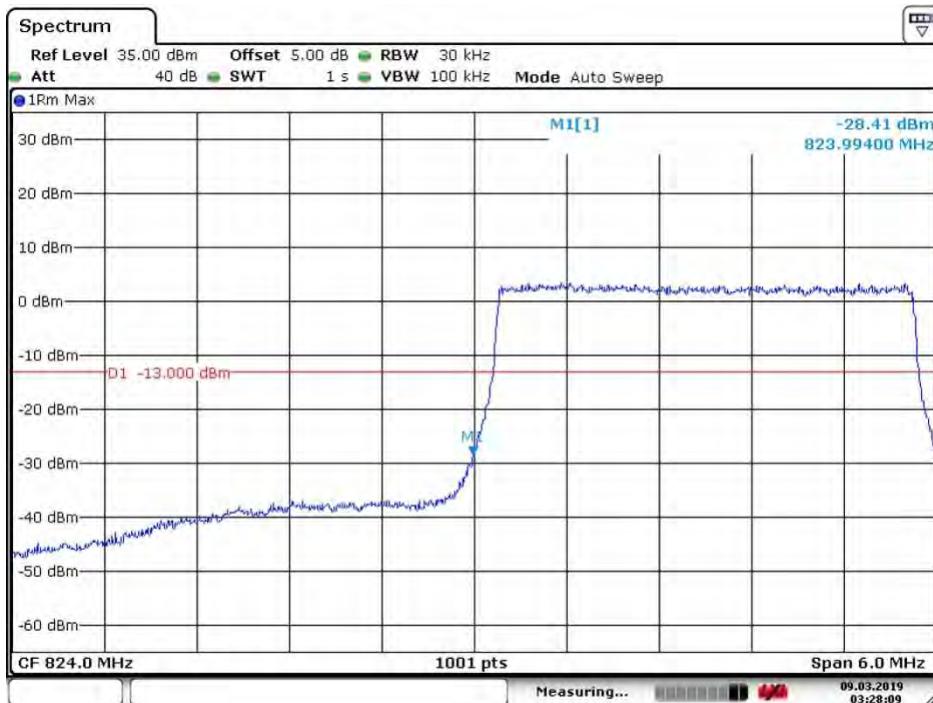
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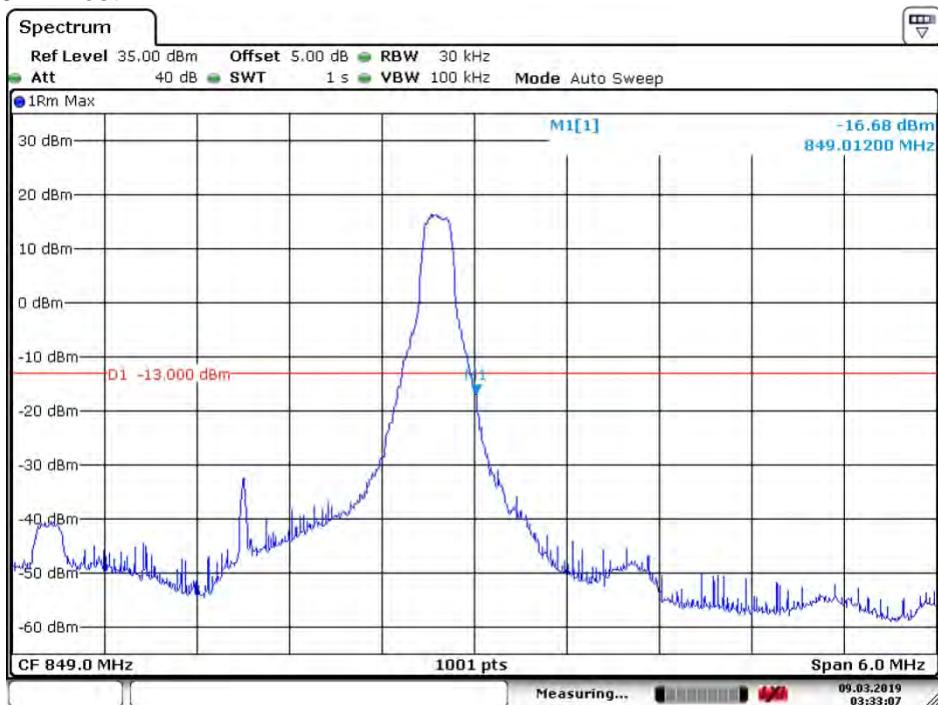
### 5.1.1.5.1.2 Test RB=15RB



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**5.1.1.5.2 Test Channel = HCH****5.1.1.5.2.1 Test RB=1RB**

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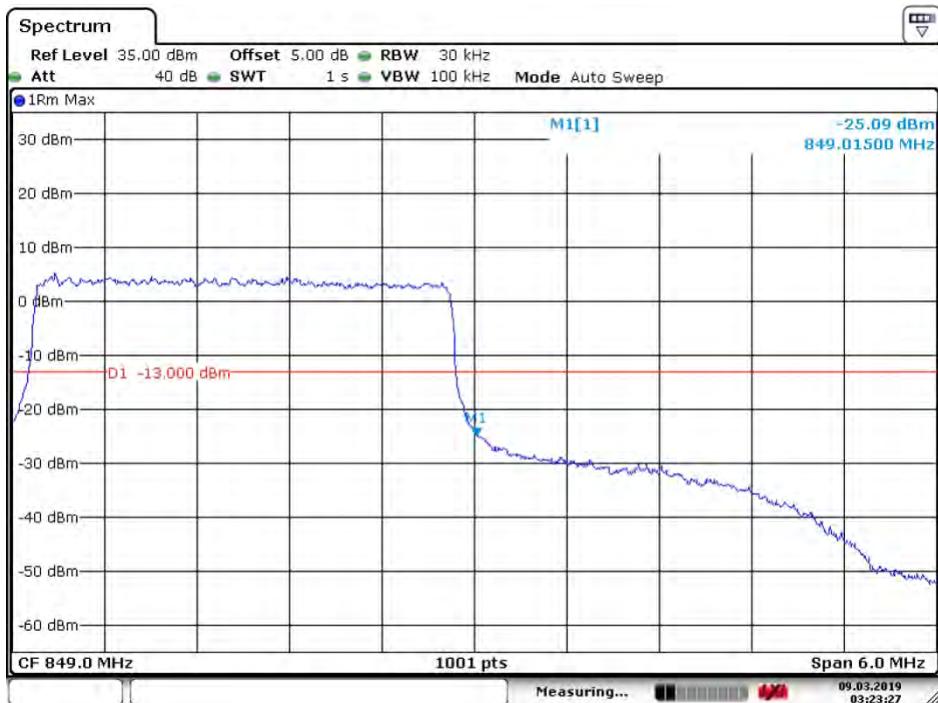
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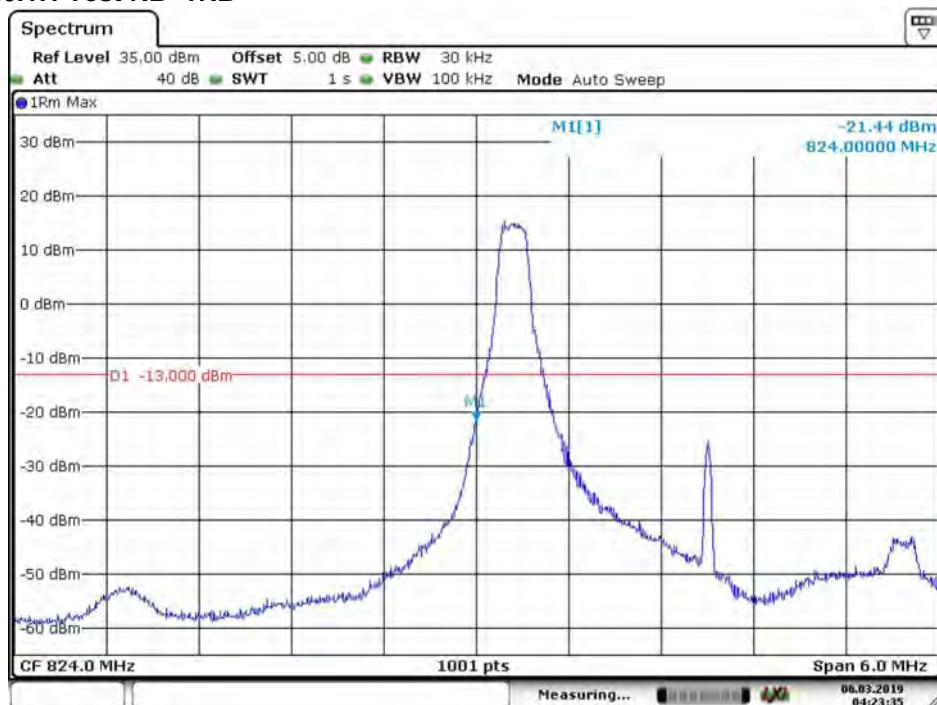
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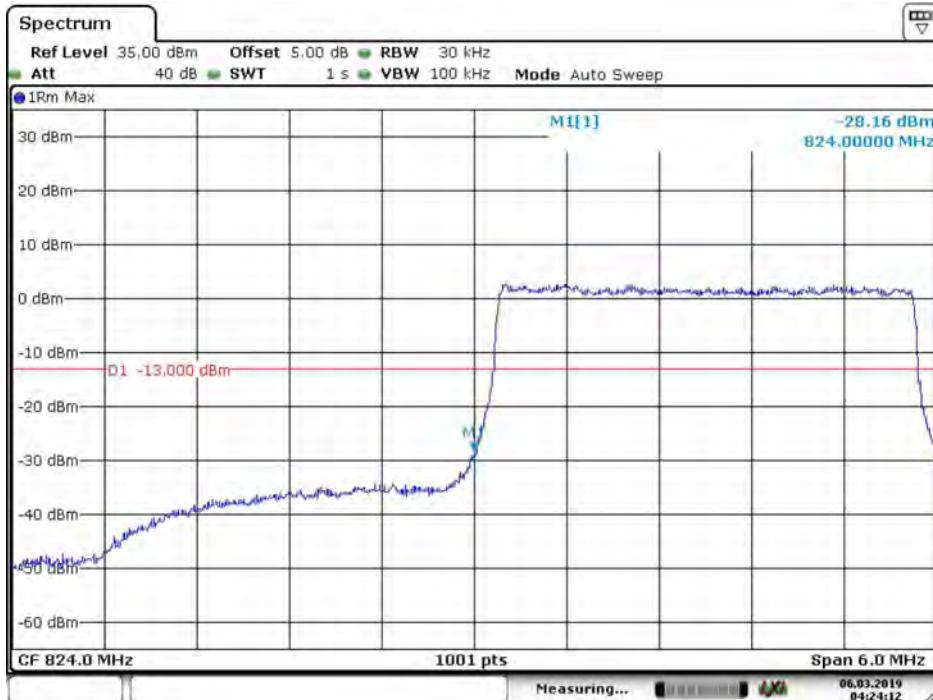
**5.1.1.6 Test Mode = LTE/TM3 3MHz****5.1.1.6.1 Test Channel = LCH****5.1.1.6.1.1 Test RB=1RB**

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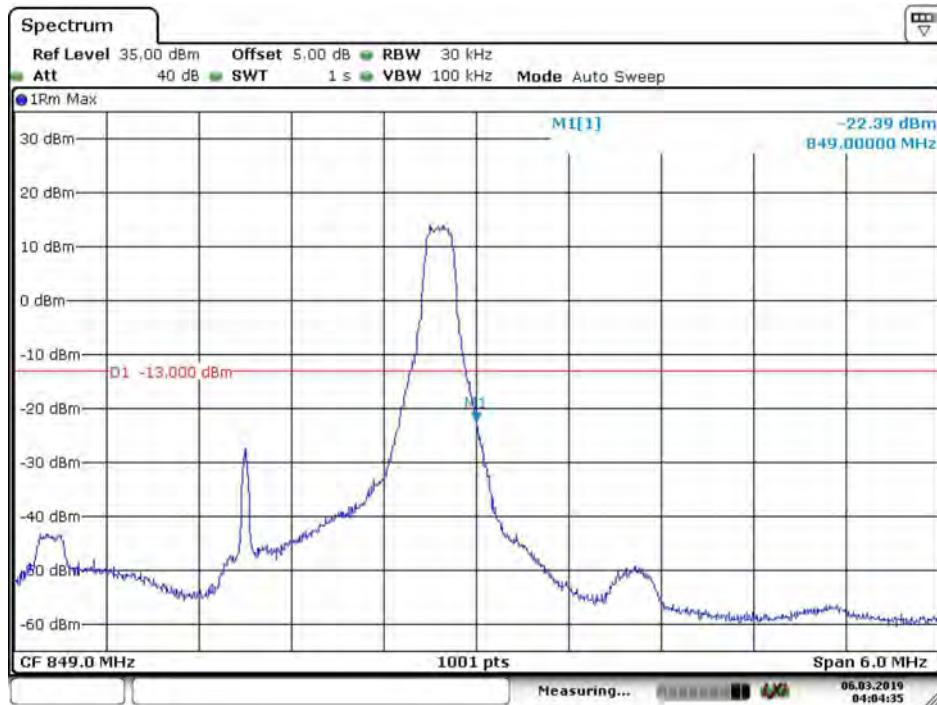
## 5.1.1.6.1.2 Test RB=15RB



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**5.1.1.6.2 Test Channel = HCH****5.1.1.6.2.1 Test RB=1RB**

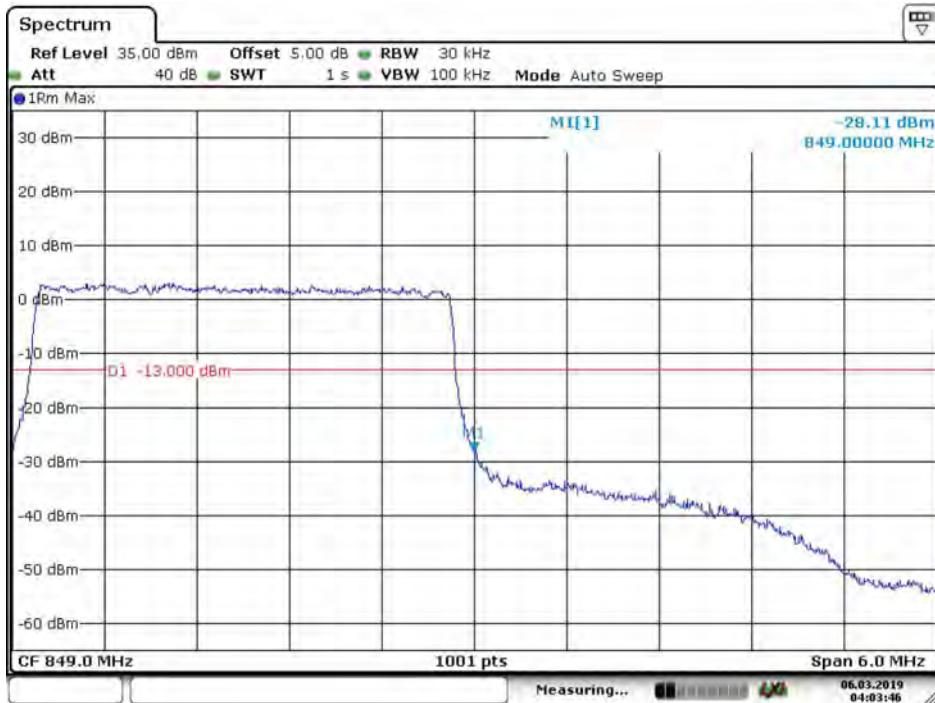
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## 5.1.1.6.2.2 Test RB=15RB



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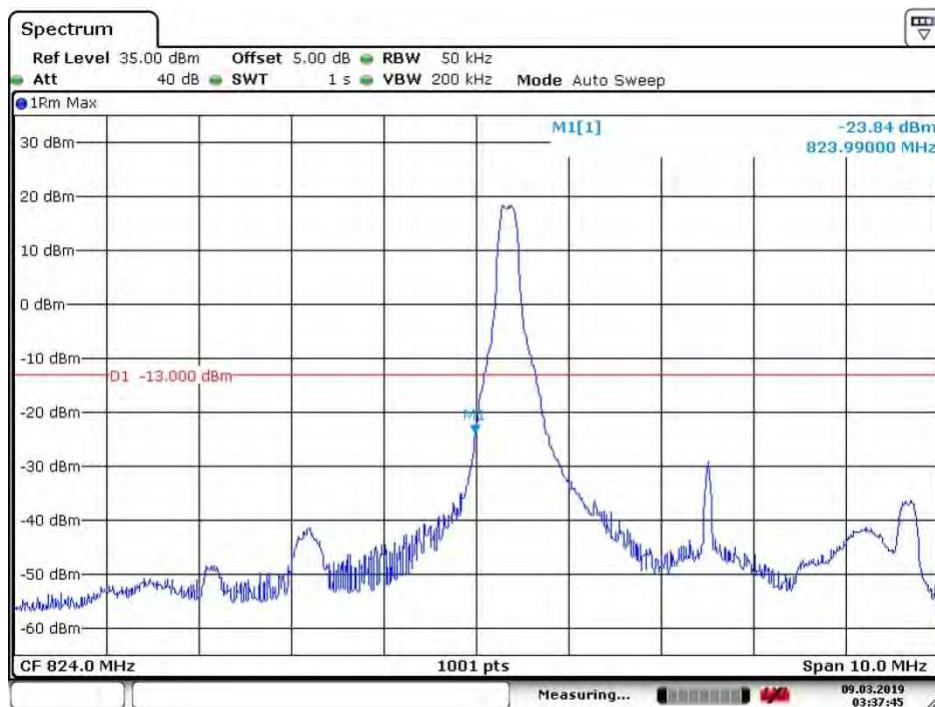


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## 5.1.1.7 Test Mode = LTE/TM1 5MHz

## 5.1.1.7.1 Test Channel = LCH

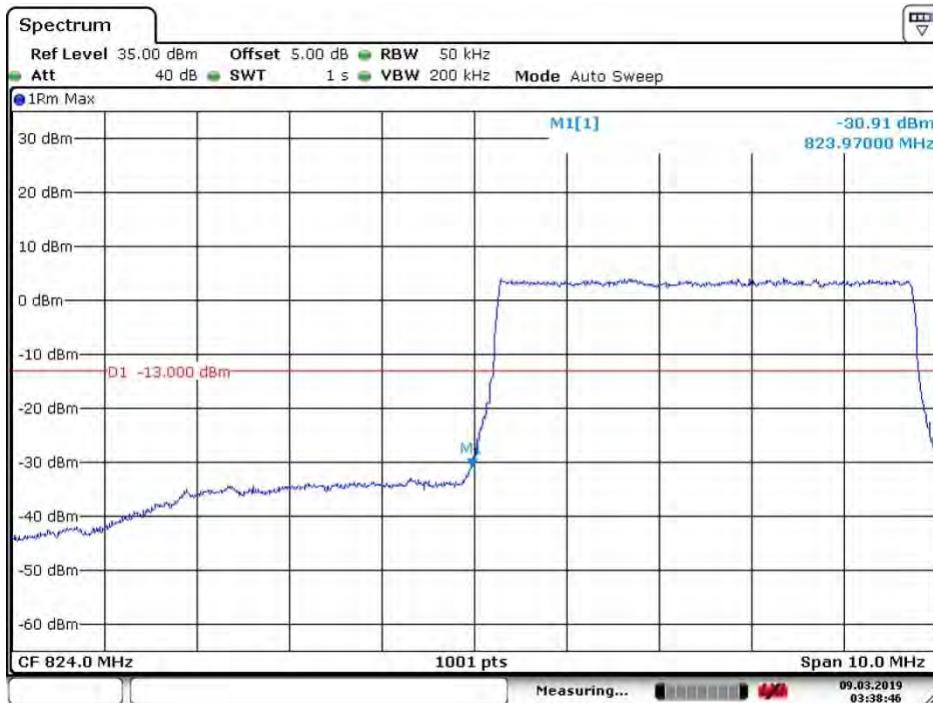
## 5.1.1.7.1.1 Test RB=1RB



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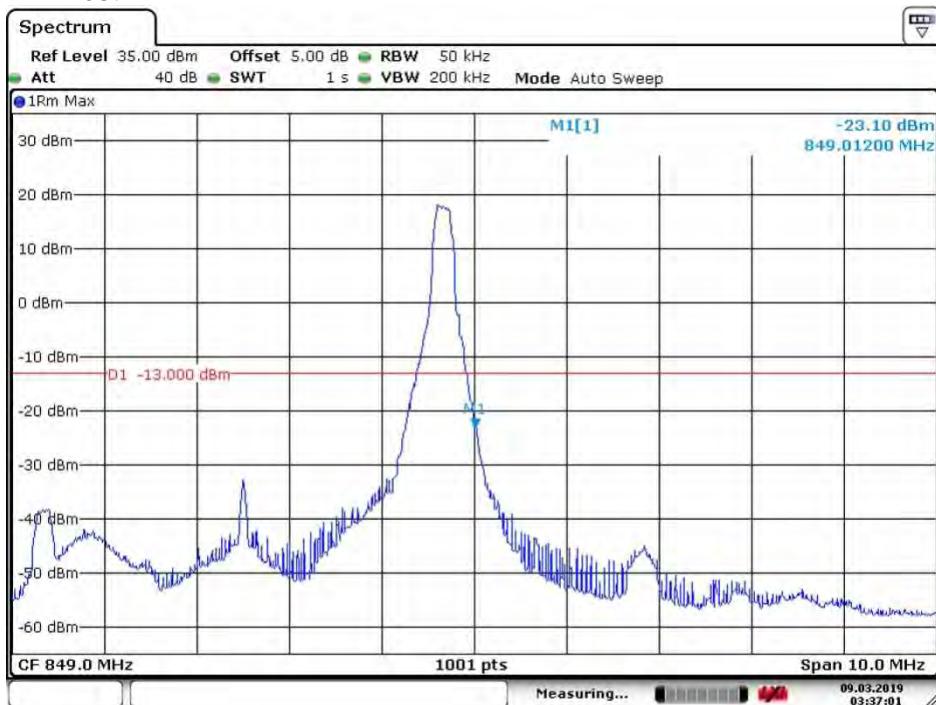


**5.1.1.7.1.2 Test RB=25RB**

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**5.1.1.7.2 Test Channel = HCH****5.1.1.7.2.1 Test RB=1RB**

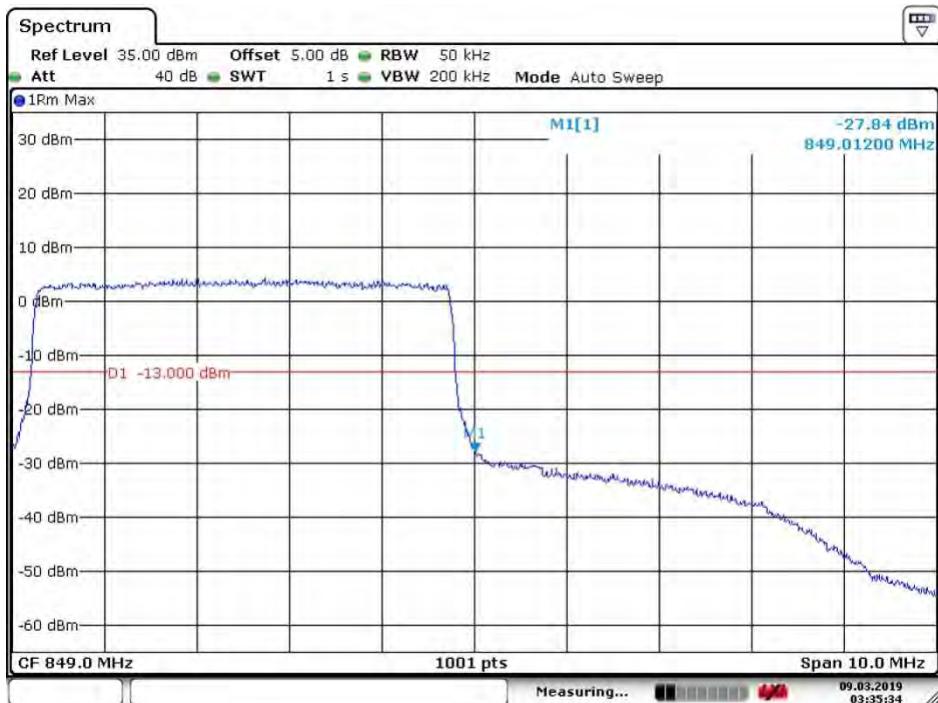
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## 5.1.1.7.2.2 Test RB=25RB

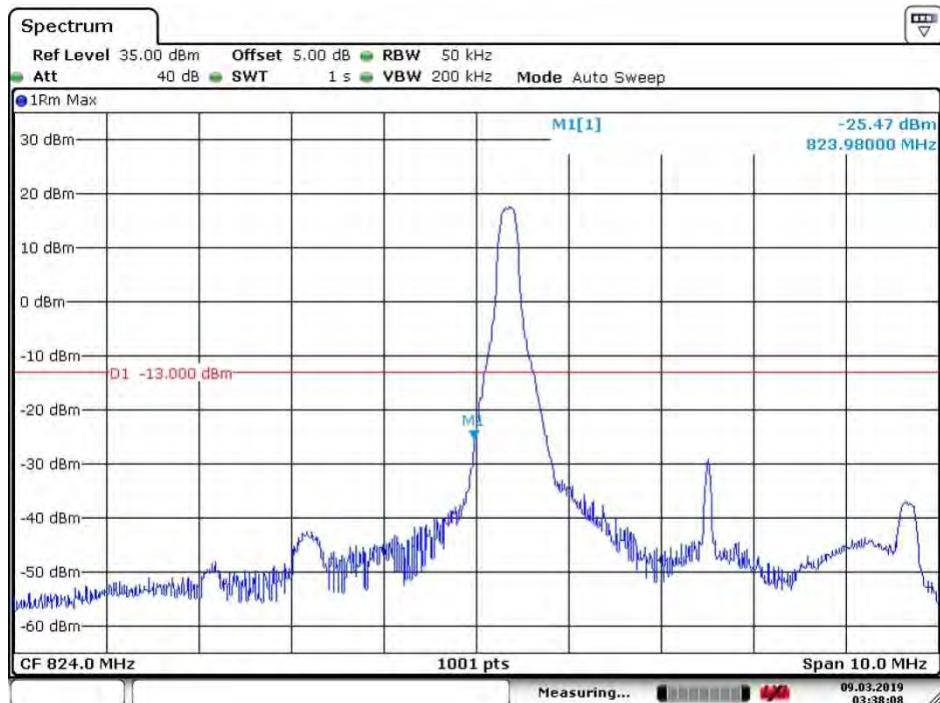


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**5.1.1.8 Test Mode = LTE/TM2 5MHz****5.1.1.8.1 Test Channel = LCH****5.1.1.8.1.1 Test RB=1RB**

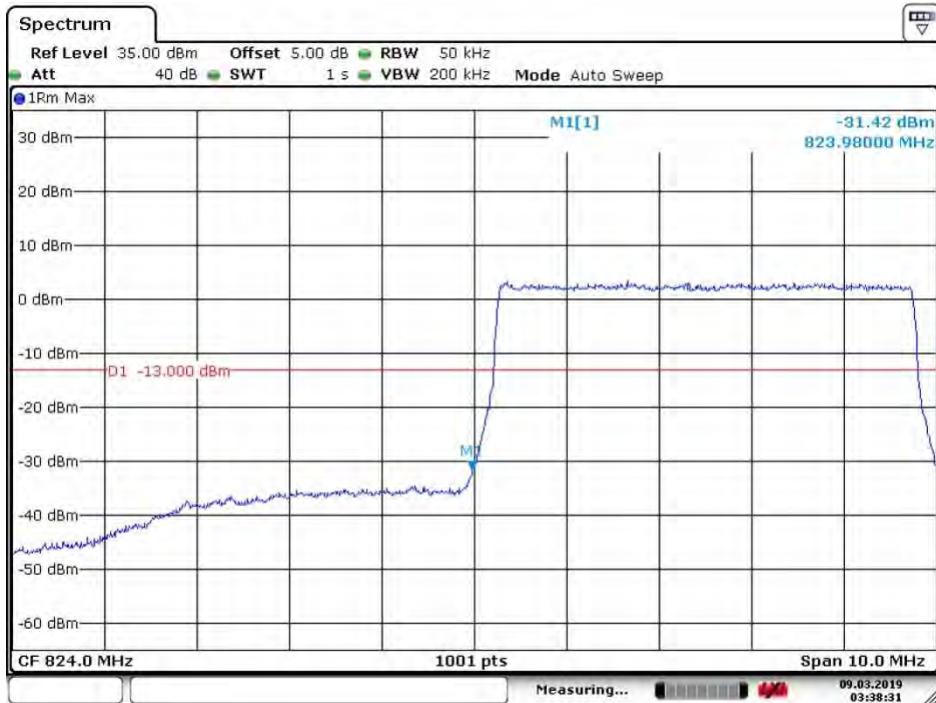
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## 5.1.1.8.1.2 Test RB=25RB



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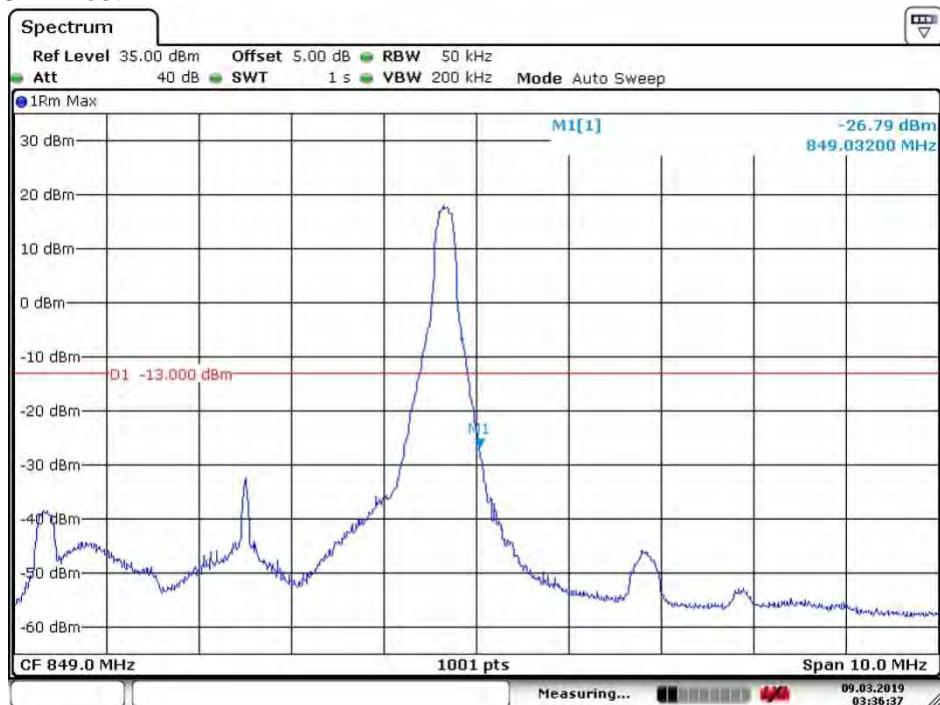


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### 5.1.1.8.2 Test Channel = HCH

#### 5.1.1.8.2.1 Test RB=1RB



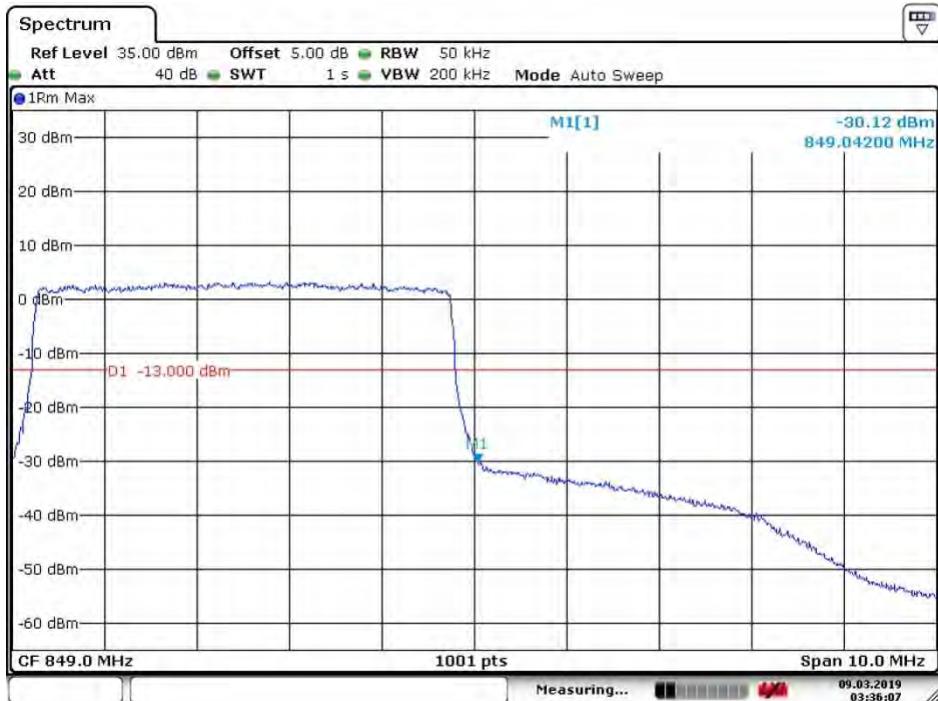
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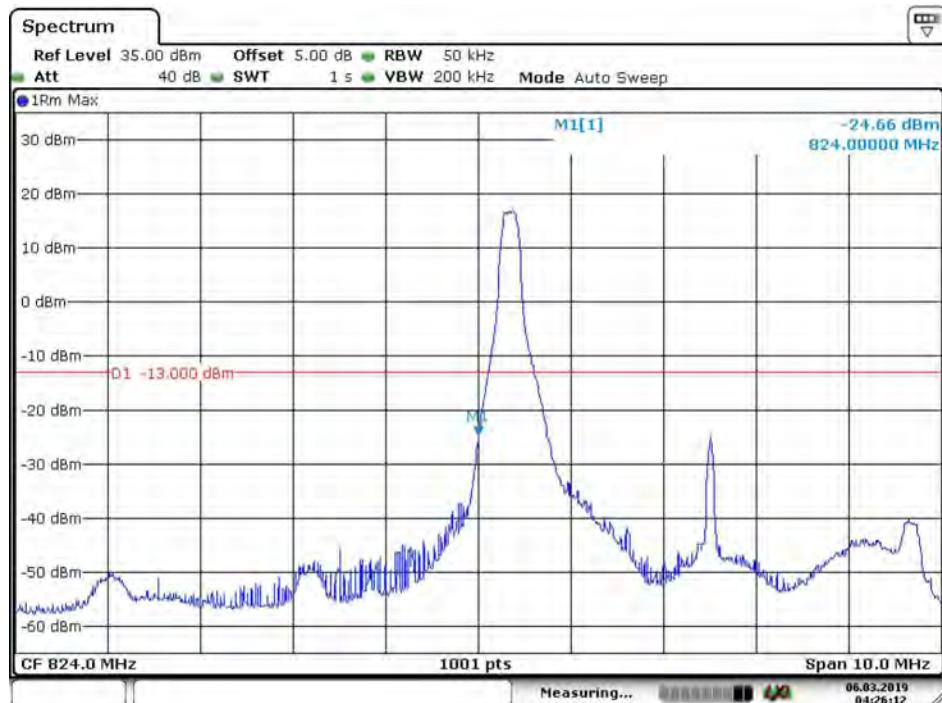
**5.1.1.8.2.2 Test RB=25RB**

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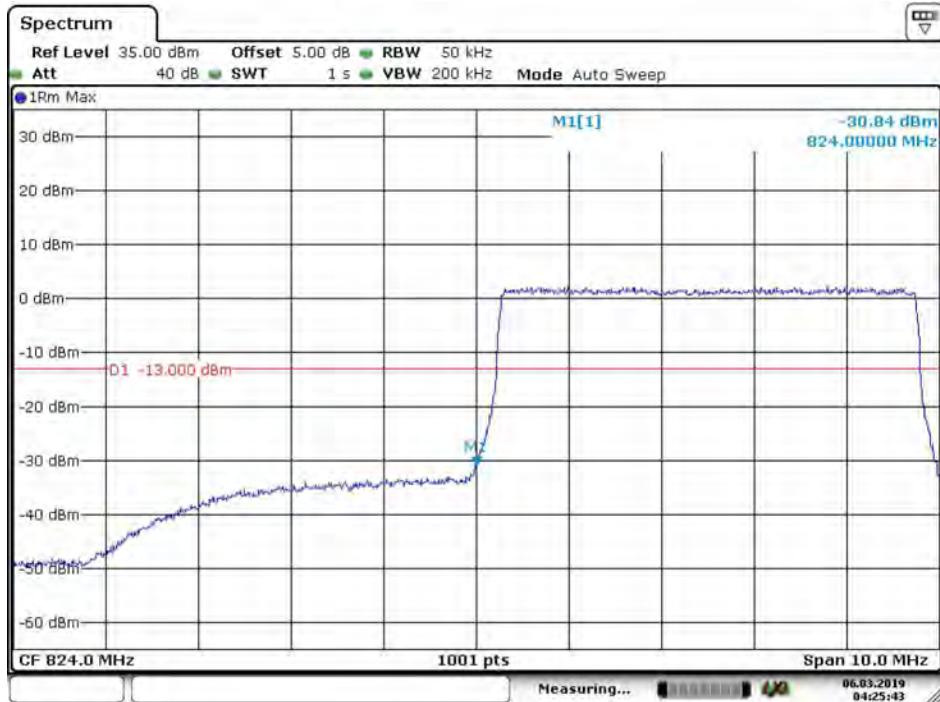
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**5.1.1.9 Test Mode = LTE/TM3 5MHz****5.1.1.9.1 Test Channel = LCH****5.1.1.9.1.1 Test RB=1RB**

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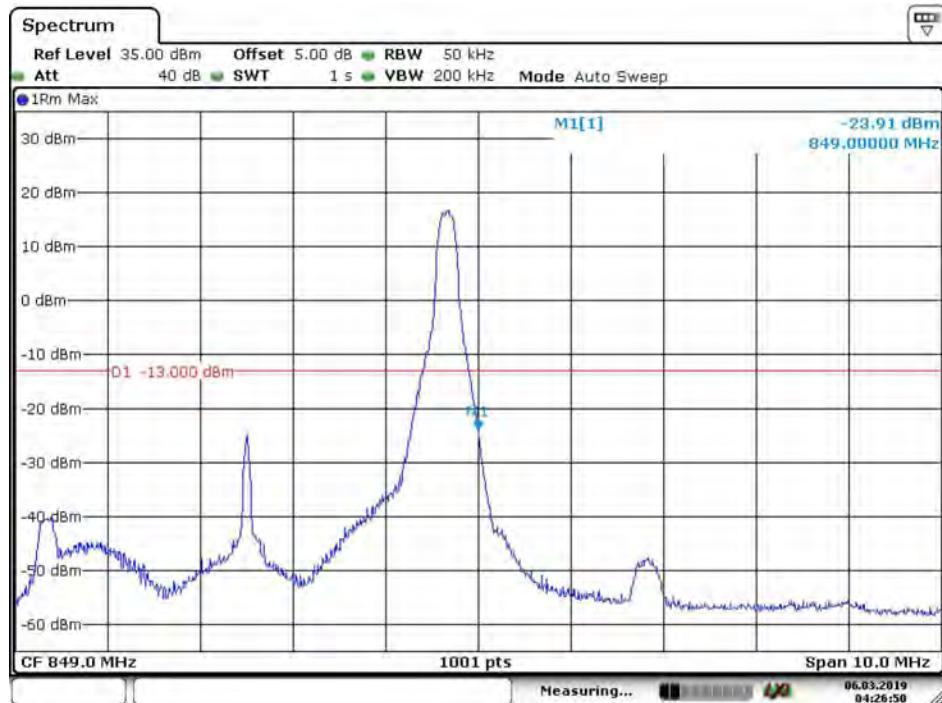
**5.1.1.9.1.2 Test RB=25RB**

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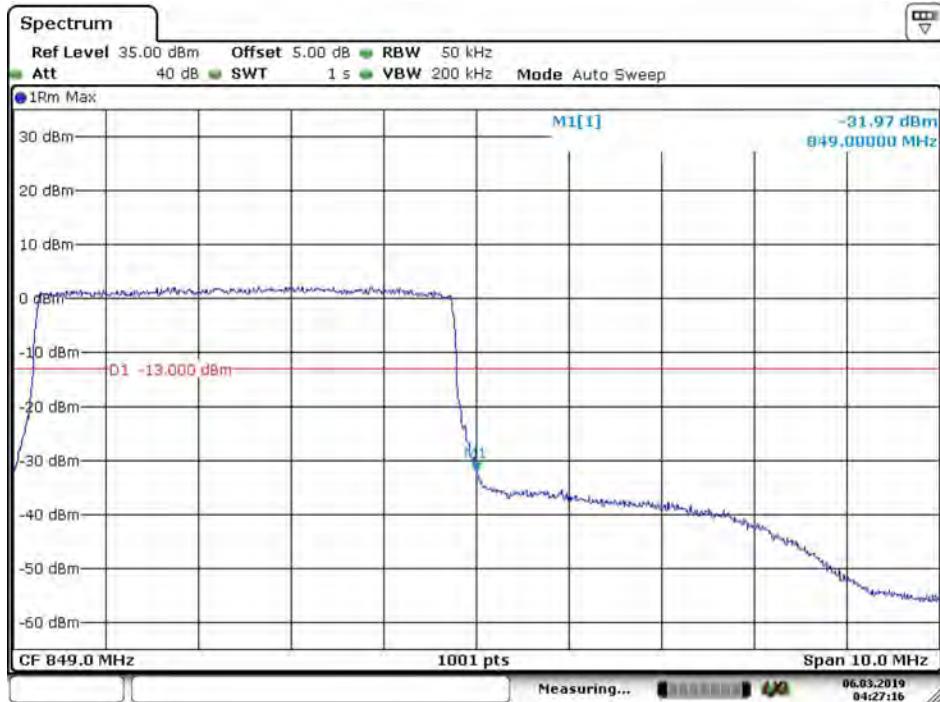
**5.1.1.9.2 Test Channel = HCH****5.1.1.9.2.1 Test RB=1RB**

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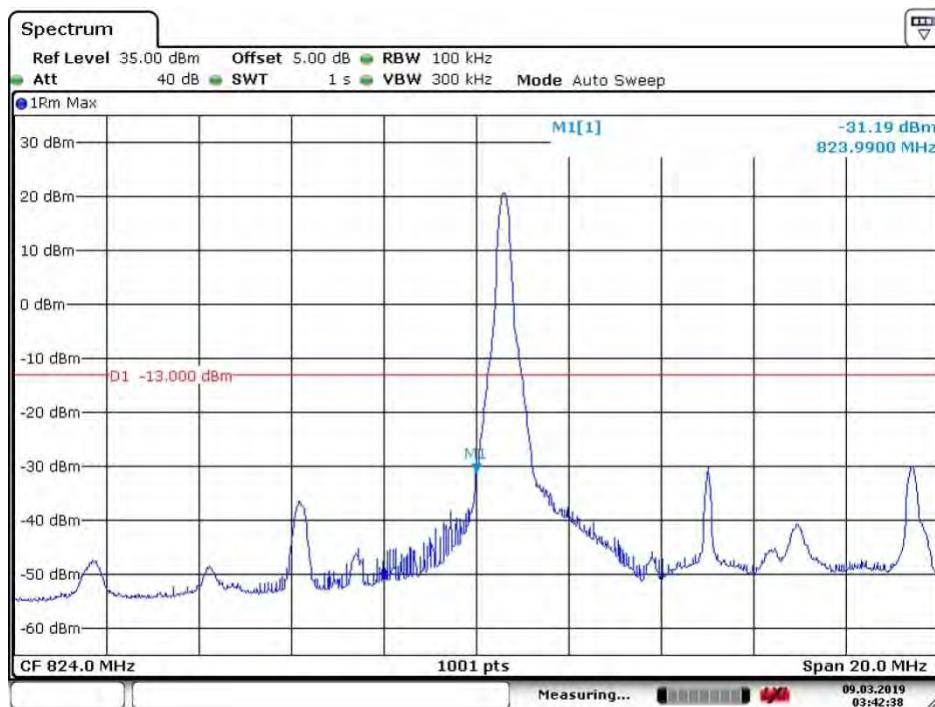
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**5.1.1.10 Test Mode = LTE/TM1 10MHz****5.1.1.10.1 Test Channel = LCH****5.1.1.10.1.1 Test RB=1RB**

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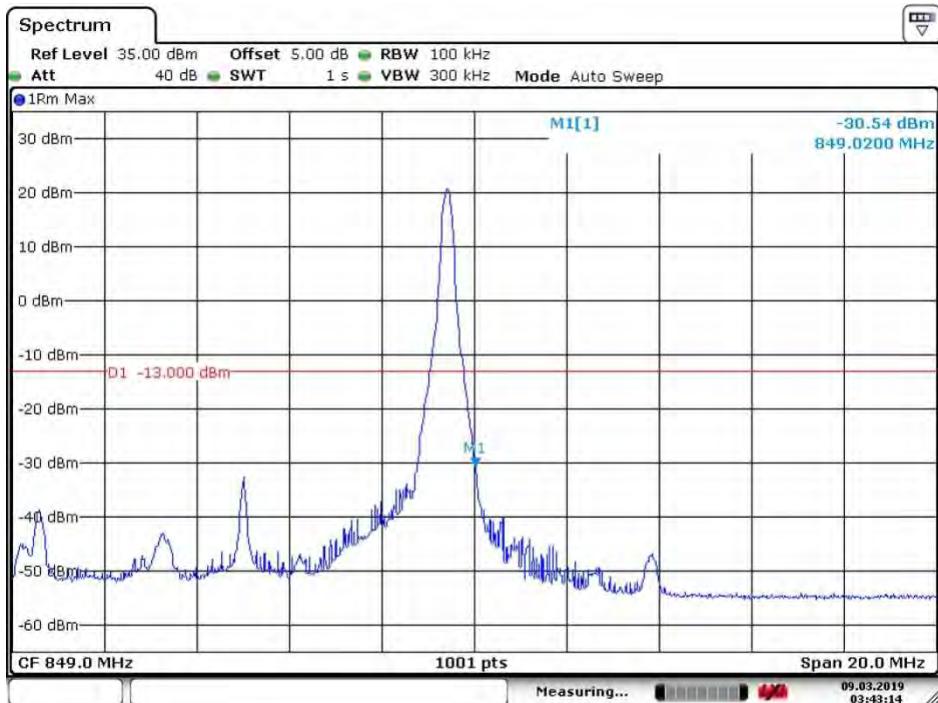
## 5.1.1.10.1.2 Test RB=50RB



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**5.1.1.10.2 Test Channel = HCH****5.1.1.10.2.1 Test RB=1RB**

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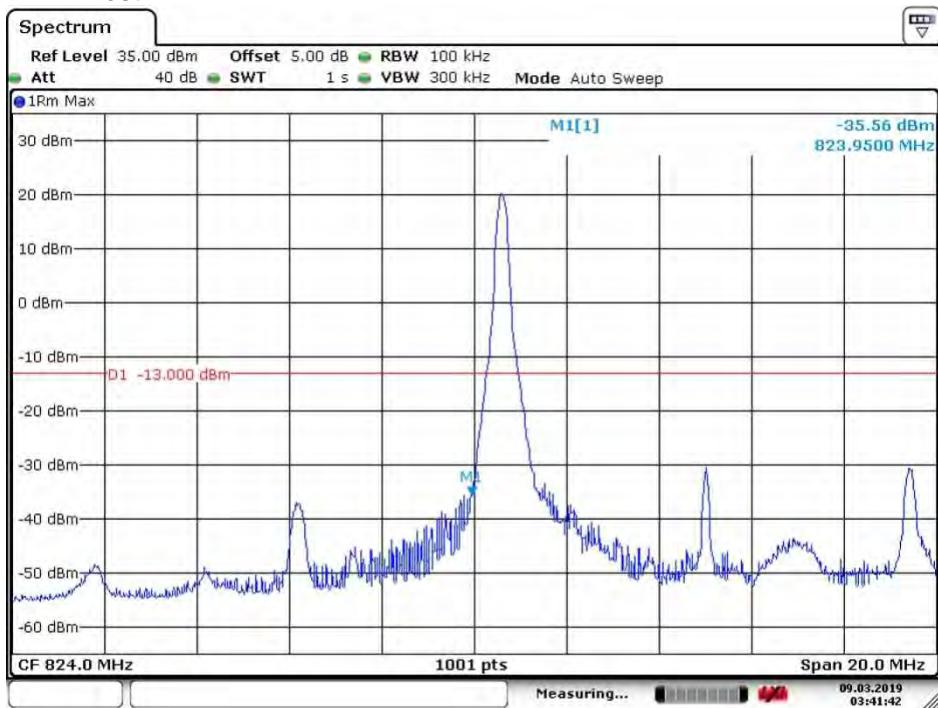
**5.1.1.10.2.2 Test RB=50RB**

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**5.1.1.11 Test Mode = LTE/TM2 10MHz****5.1.1.11.1 Test Channel = LCH****5.1.1.11.1.1 Test RB=1RB**

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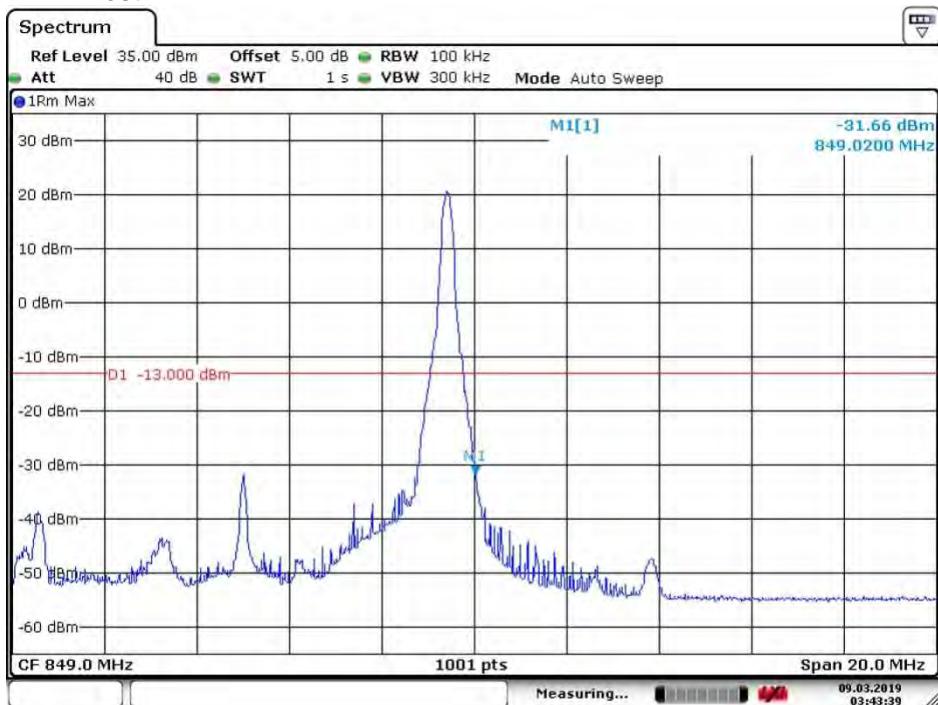
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**5.1.1.11.1.2 Test RB=50RB**

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**5.1.1.11.2 Test Channel = HCH****5.1.1.11.2.1 Test RB=1RB**

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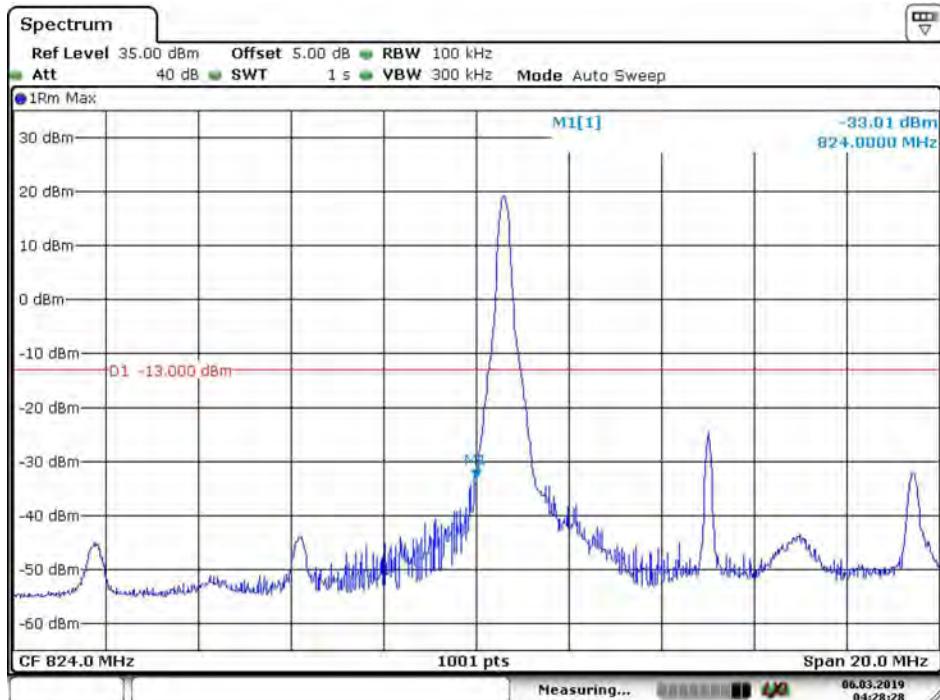
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**5.1.1.11.2.2 Test RB=50RB**

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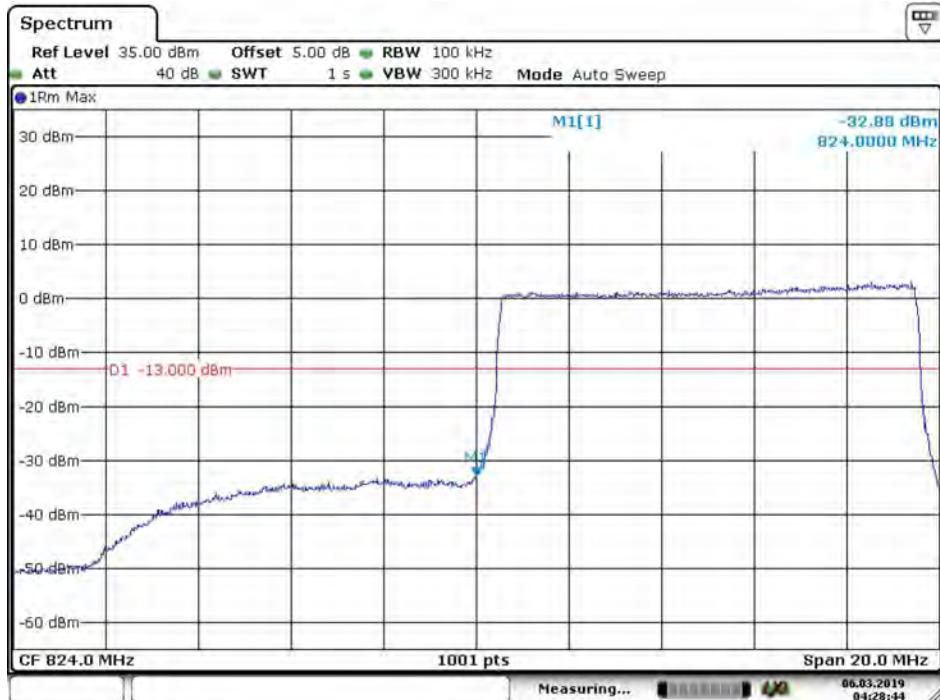


**5.1.1.12 Test Mode = LTE/TM3 10MHz****5.1.1.12.1 Test Channel = LCH****5.1.1.12.1.1 Test RB=1RB**

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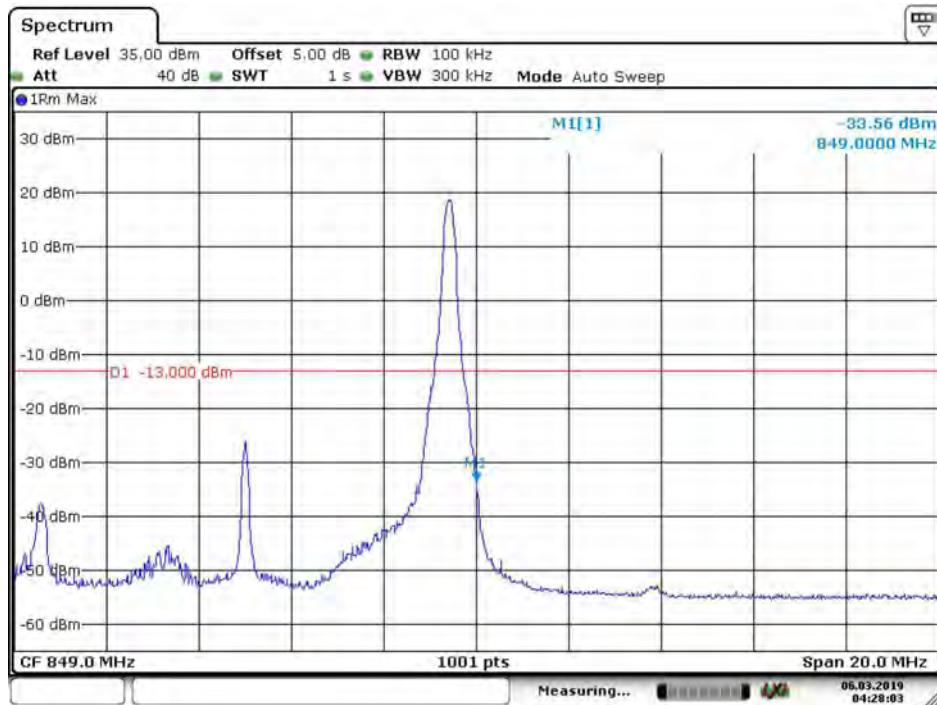
**5.1.1.12.1.2 Test RB=50RB**

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**5.1.1.12.2 Test Channel = HCH****5.1.1.12.2.1 Test RB=1RB**

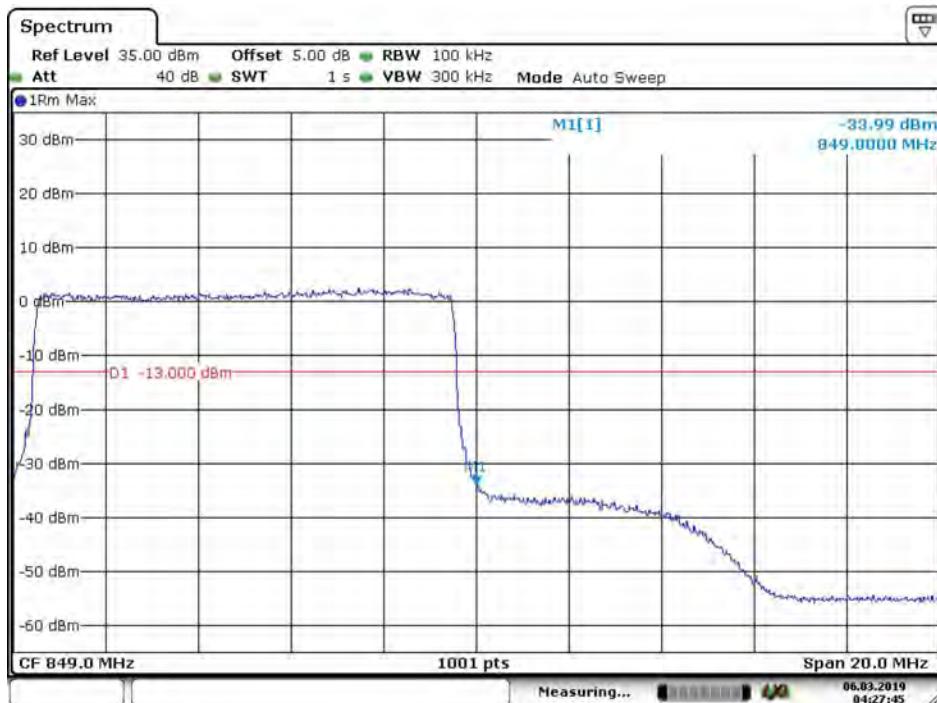
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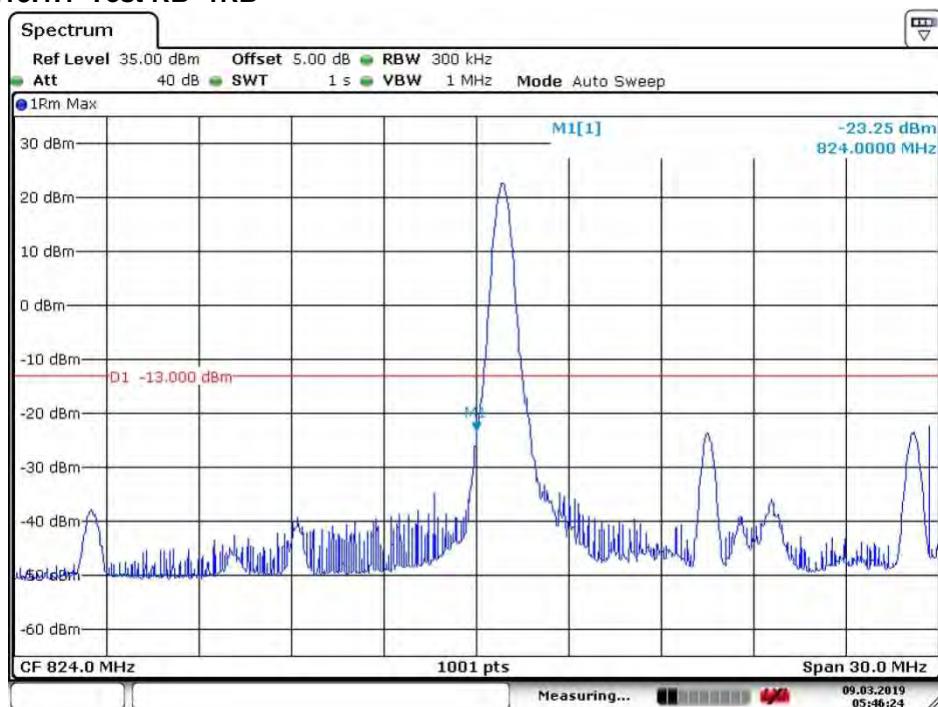
## 5.1.1.12.2.2 Test RB=50RB



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**5.1.1.13 Test Mode = LTE/TM1 15MHz****5.1.1.13.1 Test Channel = LCH****5.1.1.13.1.1 Test RB=1RB**

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**5.1.1.13.1.2 Test RB=75RB**

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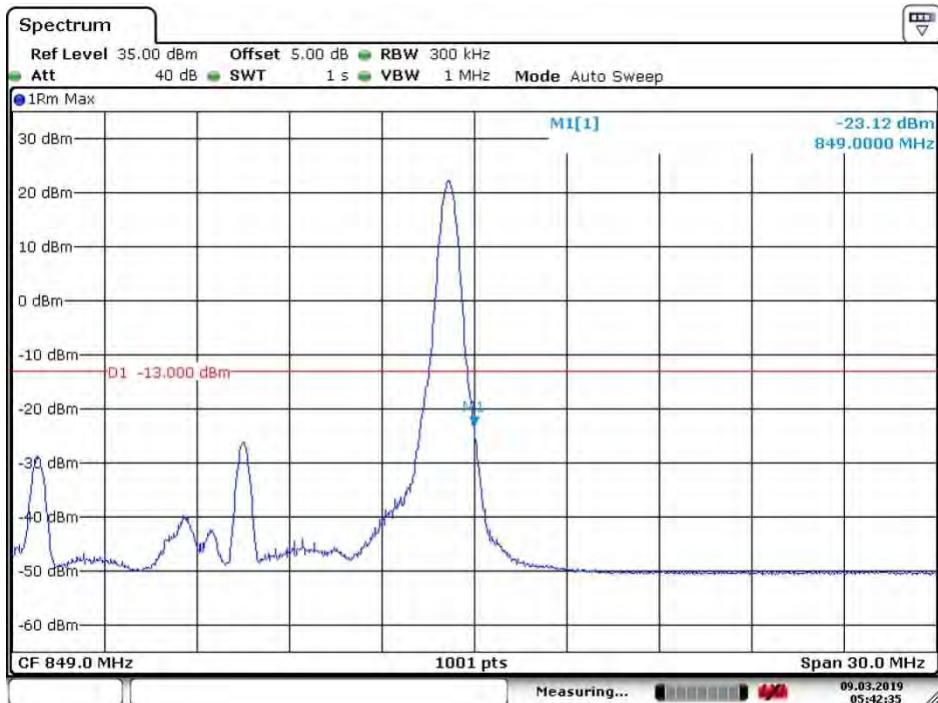


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### 5.1.1.13.2 Test Channel = HCH

#### 5.1.1.13.2.1 Test RB=1RB



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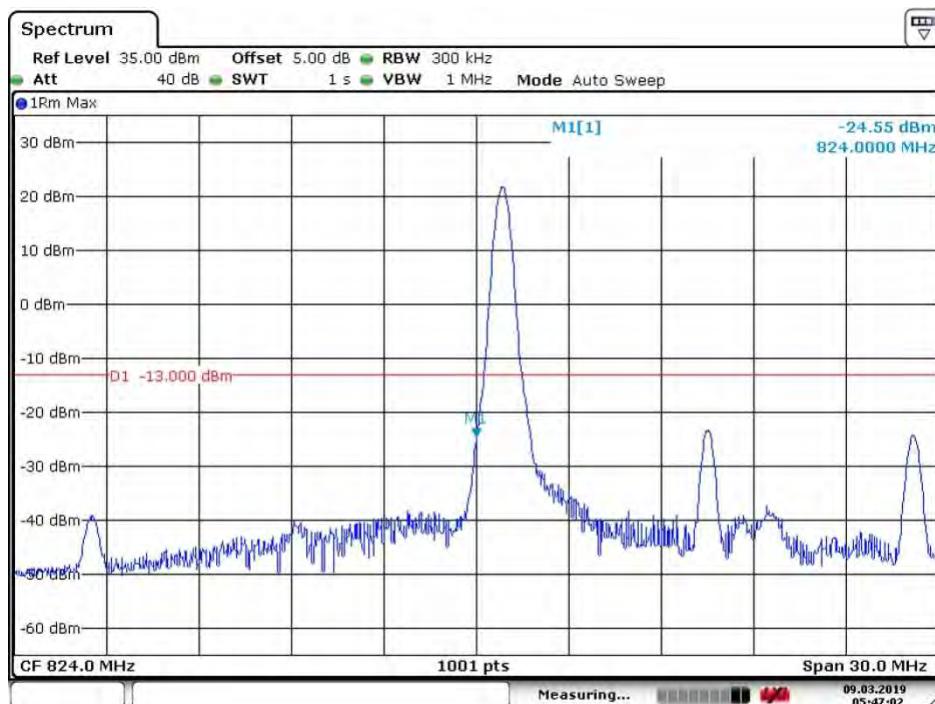
**5.1.1.13.2.2 Test RB=75RB**

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**5.1.1.14 Test Mode = LTE/TM2 15MHz****5.1.1.14.1 Test Channel = LCH****5.1.1.14.1.1 Test RB=1RB**

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## 5.1.1.14.1.2 Test RB=75RB



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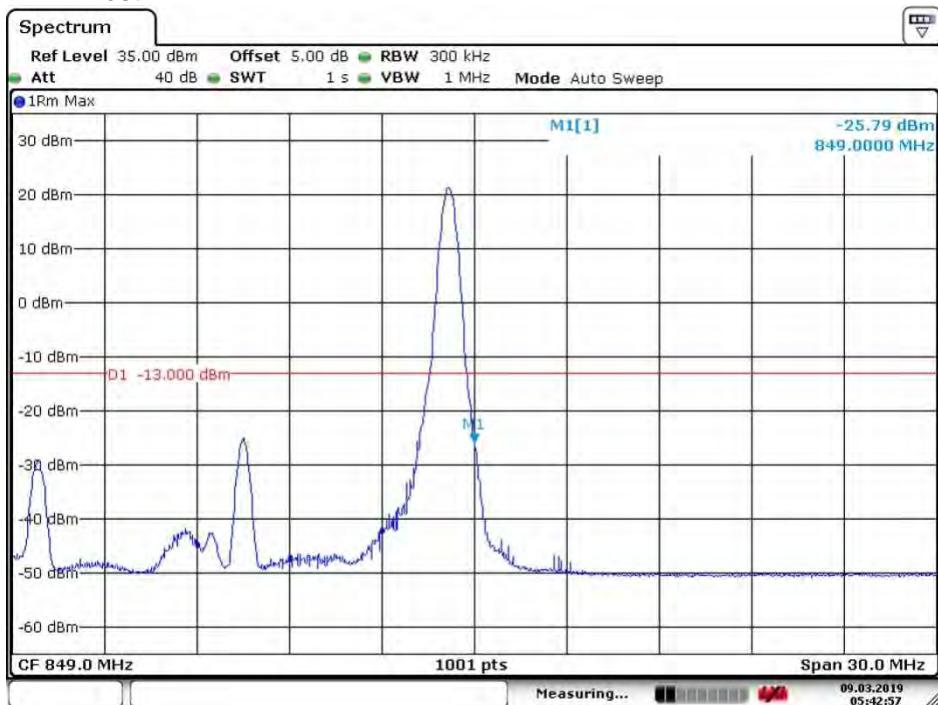


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### 5.1.1.14.2 Test Channel = HCH

#### 5.1.1.14.2.1 Test RB=1RB



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## 5.1.1.14.2.2 Test RB=75RB

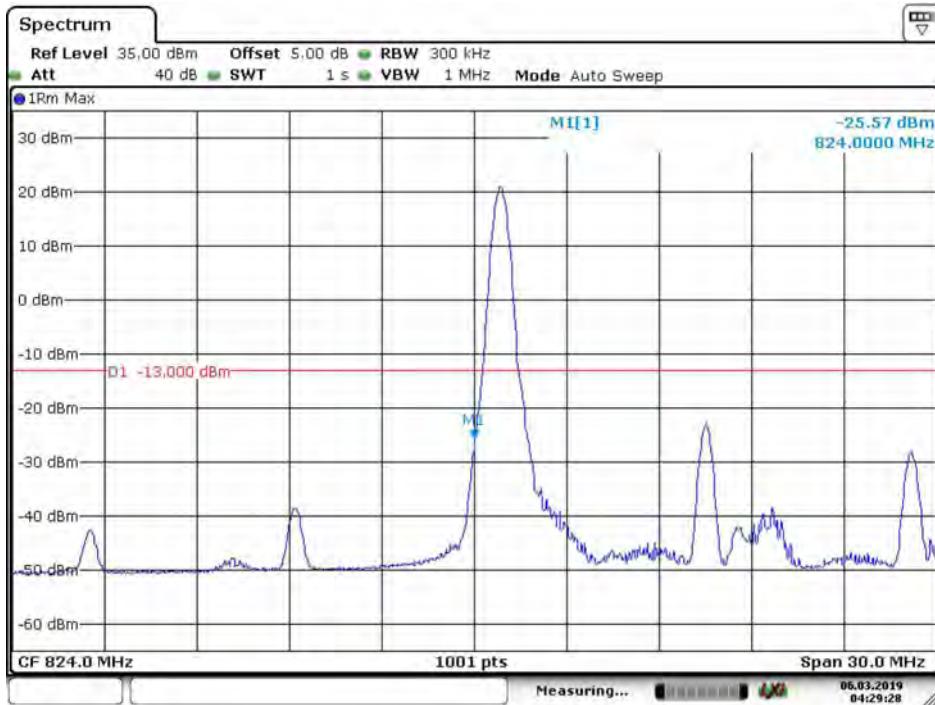


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**5.1.1.15 Test Mode = LTE/TM3 15MHz****5.1.1.15.1 Test Channel = LCH****5.1.1.15.1.1 Test RB=1RB**

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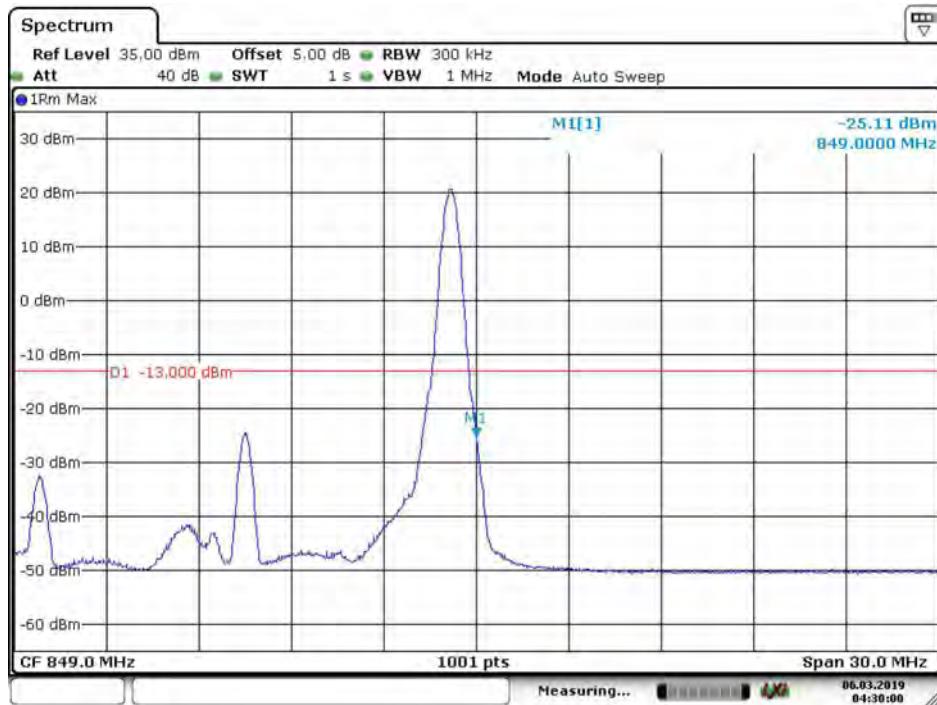
**5.1.1.15.1.2 Test RB=75RB**

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**5.1.1.15.2 Test Channel = HCH****5.1.1.15.2.1 Test RB=1RB**

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**5.1.1.15.2.2 Test RB=75RB**

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## 6 Spurious Emission at Antenna Terminal

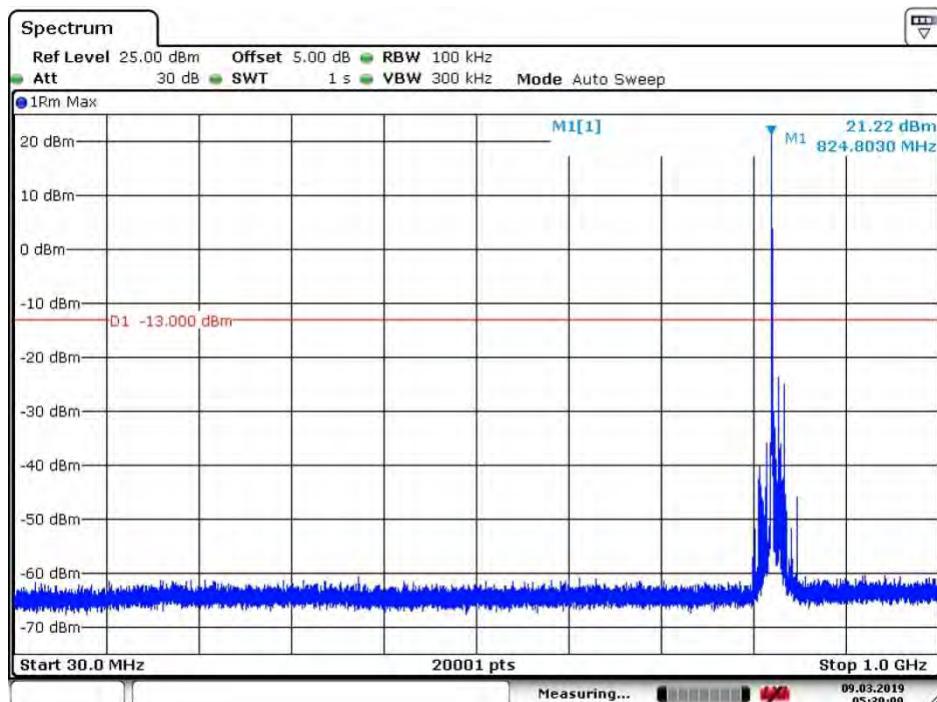
NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k \* (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

#### 6.1.1.1 Test Mode = LTE / TM1 15MHz RB1#0

##### 6.1.1.1.1 Test Channel = LCH



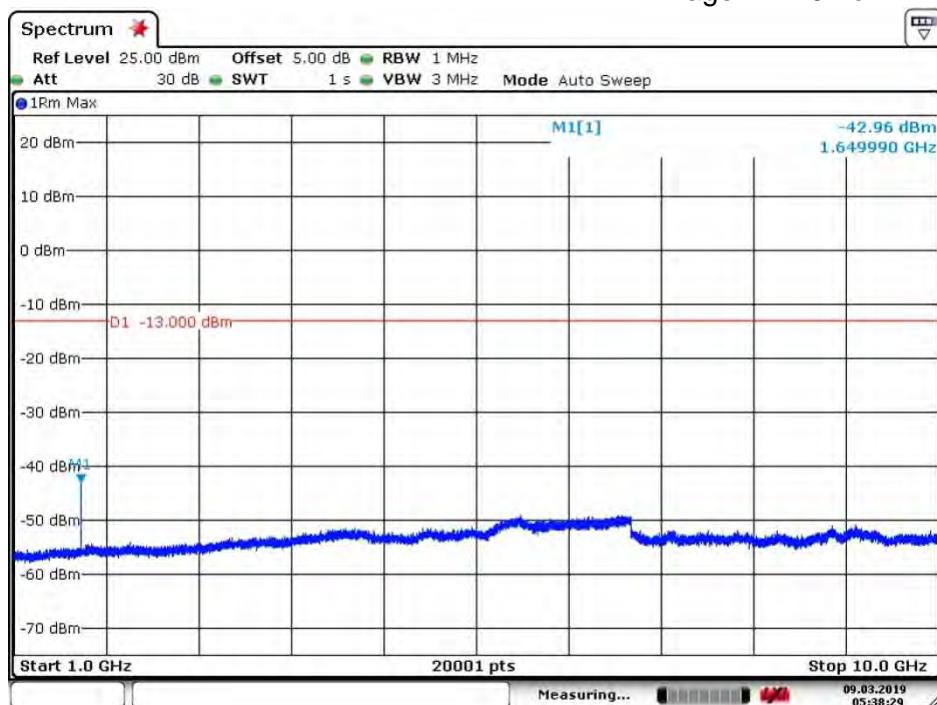
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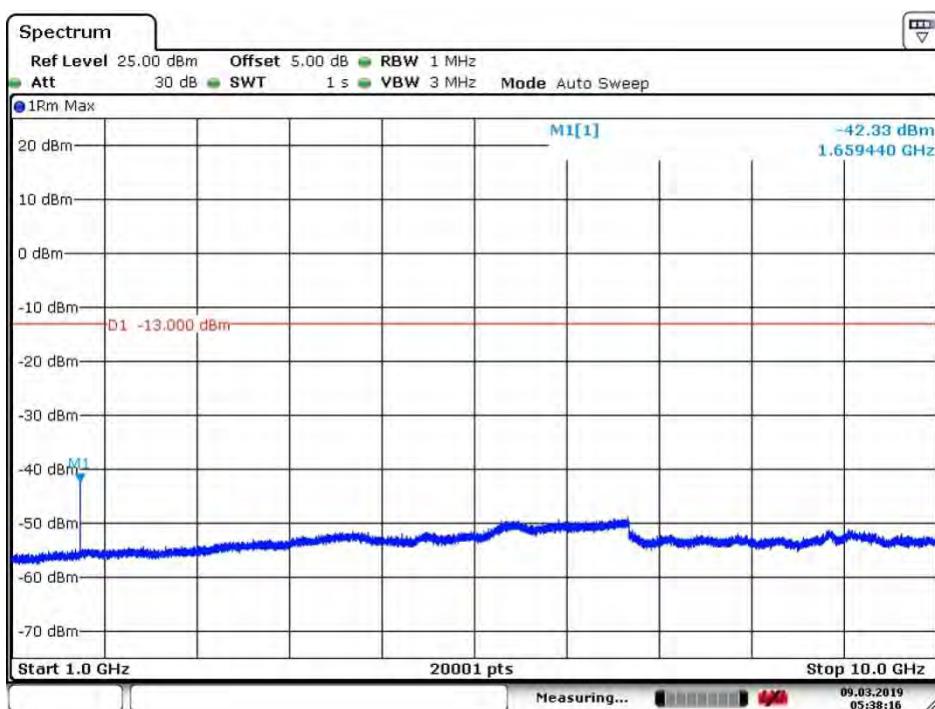
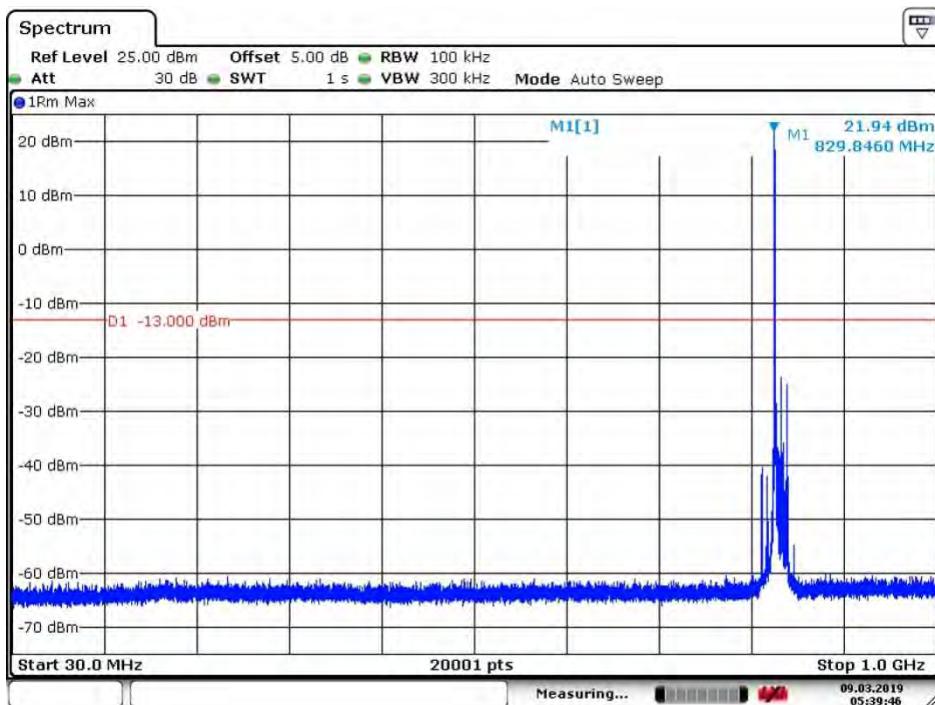
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## 6.1.1.1.2 Test Channel = MCH



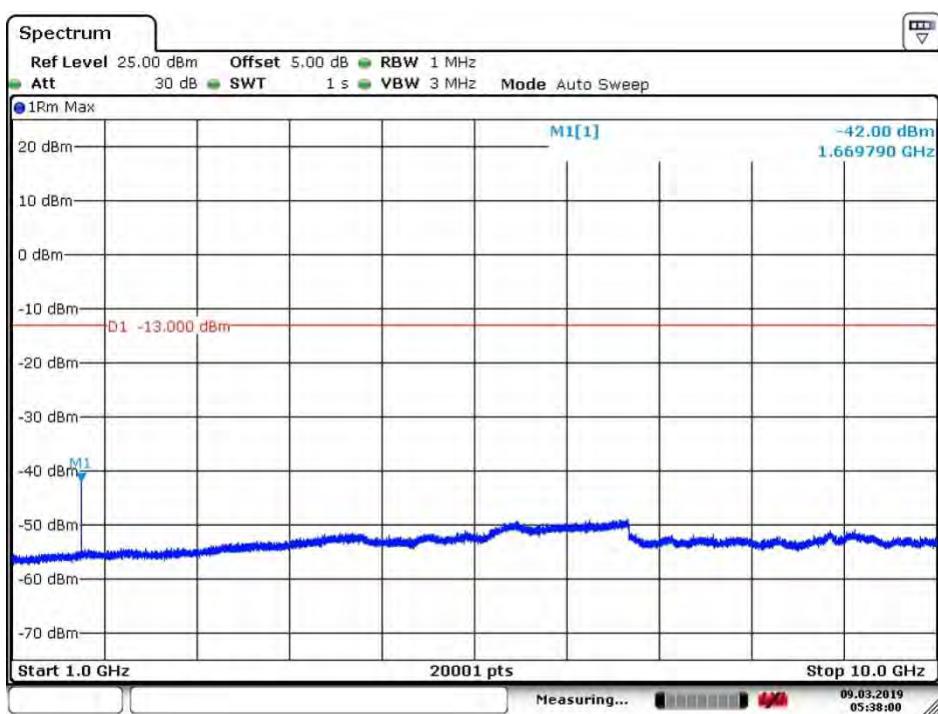
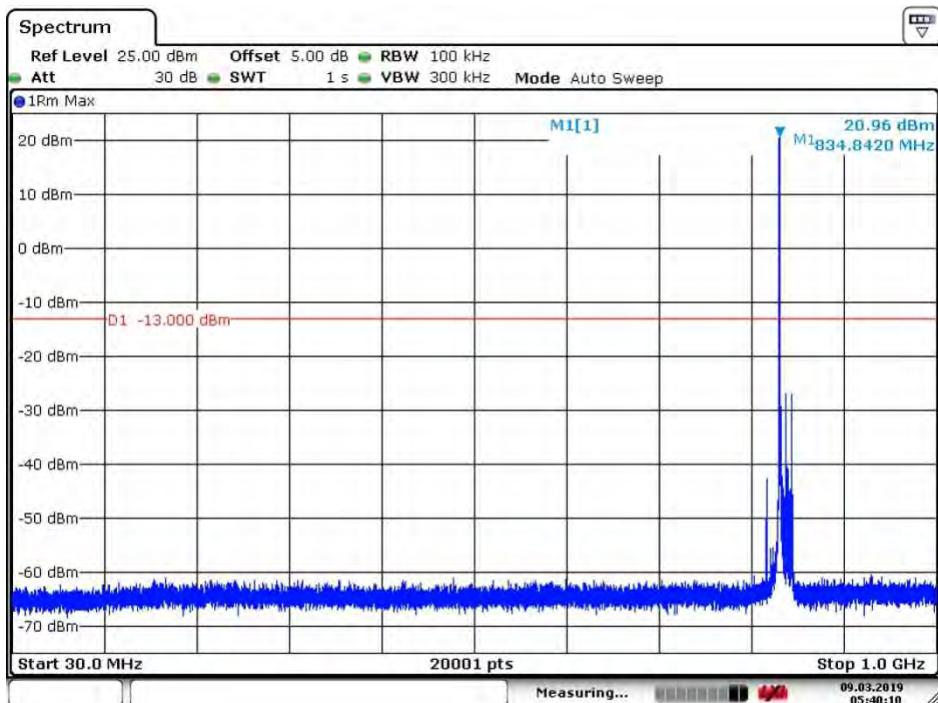
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## 6.1.1.1.3 Test Channel = HCH



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## 7 Field Strength of Spurious Radiation

### 7.1 For LTE

#### 7.1.1 Test Band = LTE BAND 26

##### 7.1.1.1 Test Mode =LTE/TM1 15MHz RB1#0

###### 7.1.1.1.1 Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
63.973333	-81.24	-13.00	68.24	Vertical
180.733333	-82.66	-13.00	69.66	Vertical
1649.000000	-64.98	-13.00	51.98	Vertical
3315.900000	-67.50	-13.00	54.50	Vertical
6053.212500	-64.95	-13.00	51.95	Vertical
10647.412500	-63.26	-13.00	50.26	Vertical
62.526667	-77.67	-13.00	64.67	Horizontal
181.713333	-73.22	-13.00	60.22	Horizontal
1649.000000	-63.05	-13.00	50.05	Horizontal
2902.000000	-56.77	-13.00	43.77	Horizontal
3495.787500	-65.61	-13.00	52.61	Horizontal
8643.787500	-63.68	-13.00	50.68	Horizontal

###### 7.1.1.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
64.720000	-81.40	-13.00	68.40	Vertical
181.573333	-81.89	-13.00	68.89	Vertical
1664.500000	-64.85	-13.00	51.85	Vertical
2681.000000	-57.47	-13.00	44.47	Vertical
3345.637500	-67.43	-13.00	54.43	Vertical
7853.062500	-63.68	-13.00	50.68	Vertical
62.666667	-77.63	-13.00	64.63	Horizontal
181.526667	-72.93	-13.00	59.93	Horizontal
616.054167	-70.23	-13.00	57.23	Horizontal
1664.000000	-64.56	-13.00	51.56	Horizontal
3526.012500	-65.25	-13.00	52.25	Horizontal
6055.162500	-64.95	-13.00	51.95	Horizontal

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**7.1.1.1.3 Test Channel = HCH**

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
65.000000	-81.49	-13.00	68.49	Vertical
182.693333	-83.61	-13.00	70.61	Vertical
1679.000000	-63.36	-13.00	50.36	Vertical
3375.862500	-66.61	-13.00	53.61	Vertical
6048.825000	-64.95	-13.00	51.95	Vertical
7934.475000	-63.68	-13.00	50.68	Vertical
62.993333	-77.78	-13.00	64.78	Horizontal
181.760000	-74.20	-13.00	61.20	Horizontal
1679.000000	-62.84	-13.00	49.84	Horizontal
3375.862500	-67.71	-13.00	54.71	Horizontal
6120.975000	-65.56	-13.00	52.56	Horizontal
7930.575000	-63.66	-13.00	50.66	Horizontal

**NOTE:**

- 1) All modes are tested, but the data presented above is the worst case. 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.
- 2) We have tested all modulation and all bandwidth, but only the worst case data presented in this report.

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## 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
LTE BAND 26	LTE/TM1 15MHz	LCH	TN	VL	4.39	0.00530	PASS
				VN	-4.99	-0.00602	PASS
				VH	6.51	0.00785	PASS
		MCH	TN	VL	-2.50	-0.00299	PASS
				VN	-2.92	-0.00349	PASS
				VH	5.20	0.00621	PASS
		HCH	TN	VL	-1.01	-0.00120	PASS
				VN	8.79	0.01041	PASS
				VH	-2.14	-0.00253	PASS
	LTE/TM2 15MHz	LCH	TN	VL	5.98	0.00721	PASS
				VN	-1.07	-0.00129	PASS
				VH	-5.11	-0.00616	PASS
		MCH	TN	VL	5.60	0.00669	PASS
				VN	-3.27	-0.00391	PASS
				VH	1.69	0.00202	PASS
		HCH	TN	VL	1.88	0.00223	PASS
				VN	9.03	0.01070	PASS
				VH	5.52	0.00655	PASS
	LTE/TM3 15MHz	LCH	TN	VL	5.03	0.006055	PASS
				VN	-5.84	-0.007020	PASS
				VH	-5.42	-0.006520	PASS
		MCH	TN	VL	-1.39	-0.001659	PASS
				VN	1.16	0.001384	PASS
				VH	-8.81	-0.010536	PASS
		HCH	TN	VL	-4.94	-0.005867	PASS
				VN	-2.47	-0.002931	PASS
				VH	7.33	0.008714	PASS

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## 8.2 Frequency Error VS. Temperature

Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
LTE BAND 26	LTE/TM1 15MHz	LCH	VN	-30	-1.71	-0.00379	PASS
				-20	1.10	-0.00592	PASS
				-10	1.48	-0.00950	PASS
				0	5.71	0.00476	PASS
				10	9.87	0.00329	PASS
				20	4.47	0.00314	PASS
				30	-2.33	0.00016	PASS
				40	-6.51	0.00230	PASS
				50	-3.59	0.00408	PASS
		MCH	VN	-30	4.05	0.00614	PASS
				-20	-5.16	-0.00318	PASS
				-10	6.77	-0.00664	PASS
				0	-8.75	-0.01121	PASS
				10	0.01	0.00779	PASS
				20	0.81	-0.00878	PASS
				30	5.83	0.01131	PASS
				40	-0.06	-0.00180	PASS
				50	-5.29	0.01165	PASS
		HCH	VN	-30	9.30	-0.00576	PASS
				-20	-3.03	0.00796	PASS
				-10	-2.86	-0.00896	PASS
				0	-0.60	-0.00819	PASS
				10	-4.39	0.00756	PASS
				20	1.43	0.00313	PASS
				30	-2.16	-0.00782	PASS
				40	5.22	-0.00823	PASS
				50	0.40	0.00047	PASS

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Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
LTE BAND 26	LTE/TM2 15MHz	LCH	VN	-30	-2.42	-0.00292	PASS
				-20	0.10	0.00012	PASS
				-10	-3.42	-0.00413	PASS
				0	8.66	0.01044	PASS
				10	-9.44	-0.01138	PASS
				20	2.37	0.00286	PASS
				30	-4.18	-0.00505	PASS
				40	-3.31	-0.00400	PASS
				50	6.20	0.00747	PASS
		MCH	VN	-30	3.62	0.00432	PASS
				-20	7.38	0.00882	PASS
				-10	8.72	0.01042	PASS
				0	4.85	0.00580	PASS
				10	-4.00	-0.00478	PASS
				20	-4.00	-0.00478	PASS
				30	-2.94	-0.00351	PASS
				40	-3.44	-0.00411	PASS
				50	7.63	0.00912	PASS
		HCH	VN	-30	8.15	0.00966	PASS
				-20	5.67	0.00671	PASS
				-10	-0.50	-0.00059	PASS
				0	-1.71	-0.00203	PASS
				10	-0.69	-0.00081	PASS
				20	4.82	0.00571	PASS
				30	-3.26	-0.00387	PASS
				40	2.41	0.00286	PASS
				50	4.98	0.00590	PASS

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Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
LTE BAND 26	LTE/TM3 15MHz	LCH	VN	-30	-5.41	-0.006512	PASS
				-20	7.96	0.009576	PASS
				-10	-4.52	-0.005439	PASS
				0	-5.01	-0.006027	PASS
				10	-7.11	-0.008548	PASS
		MCH	VN	20	-8.23	-0.009903	PASS
				30	1.95	0.002348	PASS
				40	-8.03	-0.009652	PASS
				50	5.45	0.006554	PASS
				-30	1.34	0.001605	PASS
		HCH	VN	-20	-1.14	-0.001367	PASS
				-10	2.28	0.002727	PASS
				0	7.03	0.008405	PASS
				10	6.31	0.007546	PASS
				20	-0.02	-0.000026	PASS
				30	2.35	0.002809	PASS
				40	-1.62	-0.001934	PASS
				50	2.38	0.002840	PASS
				-30	7.13	0.008472	PASS
				-20	-7.51	-0.008919	PASS
				-10	-7.01	-0.008325	PASS
				0	2.77	0.003288	PASS
				10	4.41	0.005243	PASS
				20	-1.77	-0.002109	PASS
				30	9.33	0.011091	PASS
				40	1.15	0.001364	PASS
				50	-4.75	-0.005648	PASS

The End

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