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# Appendix B

E-UTRA Band26 (824-849)



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### 1 Effective (Isotropic) Radiated Power Output Data

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

		Power of Tran		RP) for LIE		EDD	1:	
Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
				RB1#0	23.01	20.92	38.45	PASS
				RB1#2	23.05	20.96	38.45	PASS
				RB1#5	23.07	20.98	38.45	PASS
			LCH	RB3#0	22.94	20.85	38.45	PASS
				RB3#2	22.95	20.86	38.45	PASS
				RB3#3	22.99	20.9	38.45	PASS
				RB6#0	21.78	19.69	38.45	PASS
				RB1#0	22.96	20.87	38.45	PASS
				RB1#2	22.63	20.54	38.45	PASS
				RB1#5	22.93	20.84	38.45	PASS
BAND26	LTE/TM1	1.4M	MCH	RB3#0	22.81	20.72	38.45	PASS
				RB3#2	22.52	20.43	38.45	PASS
				RB3#3	22.85	20.76	38.45	PASS
				RB6#0	21.92	19.83	38.45	PASS
				RB1#0	22.92	20.83	38.45	PASS
				RB1#2	22.51	20.42	38.45	PASS
				RB1#5	23.01	20.92	38.45	PASS
			HCH	RB3#0	22.82	20.73	38.45	PASS
				RB3#2	22.77	20.68	38.45	PASS
				RB3#3	22.88	20.79	38.45	PASS
				RB6#0	21.67	19.58	38.45	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
				RB1#0	21.71	19.62	38.45	PASS
				RB1#2	21.72	19.63	38.45	PASS
				RB1#5	21.78	19.69	38.45	PASS
			LCH	RB3#0	21.83	19.74	38.45	PASS
				RB3#2	21.72	19.63	38.45	PASS
				RB3#3	21.83	19.74	38.45	PASS
				RB6#0	20.91	18.82	38.45	PASS
				RB1#0	21.91	19.82	38.45	PASS
				RB1#2	21.66	19.57	38.45	PASS
				RB1#5	21.89	19.8	38.45	PASS
BAND26	LTE/TM2	1.4M	MCH	RB3#0	21.93	19.84	38.45	PASS
				RB3#2	22.07	19.98	38.45	PASS
				RB3#3	21.92	19.83	38.45	PASS
				RB6#0	20.72	18.63	38.45	PASS
				RB1#0	21.82	19.73	38.45	PASS
				RB1#2	21.44	19.35	38.45	PASS
				RB1#5	21.82	19.73	38.45	PASS
			HCH	RB3#0	21.84	19.75	38.45	PASS
				RB3#2	21.81	19.72	38.45	PASS
				RB3#3	21.93	19.84	38.45	PASS
				RB6#0	20.87	18.78	38.45	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
				RB1#0	20.96	18.87	38.45	PASS
				RB1#2	20.78	18.69	38.45	PASS
				RB1#5	21.05	18.96	38.45	PASS
			LCH	RB3#0	20.86	18.77	38.45	PASS
				RB3#2	20.97	18.88	38.45	PASS
				RB3#3	20.71	18.62	38.45	PASS
				RB6#0	19.62	17.53	38.45	PASS
				RB1#0	20.97	18.88	38.45	PASS
				RB1#2	20.92	18.83	38.45	PASS
				RB1#5	21.27	19.18	38.45	PASS
BAND26	LTE/TM3	1.4M	MCH	RB3#0	20.95	18.86	38.45	PASS
				RB3#2	20.91	18.82	38.45	PASS
				RB3#3	20.93	18.84	38.45	PASS
				RB6#0	19.95	17.86	38.45	PASS
				RB1#0	20.91	18.82	38.45	PASS
				RB1#2	20.89	18.8	38.45	PASS
				RB1#5	21.06	18.97	38.45	PASS
			HCH	RB3#0	20.92	18.83	38.45	PASS
				RB3#2	20.88	18.79	38.45	PASS
				RB3#3	21.13	19.04	38.45	PASS
				RB6#0	19.94	17.85	38.45	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
				RB1#0	22.87	20.78	38.45	PASS
				RB1#7	22.89	20.8	38.45	PASS
				RB1#14	22.88	20.79	38.45	PASS
			LCH	RB8#0	21.94	19.85	38.45	PASS
				RB8#4	21.91	19.82	38.45	PASS
				RB8#7	21.88	19.79	38.45	PASS
				RB15#0	21.99	19.9	38.45	PASS
				RB1#0	22.88	20.79	38.45	PASS
				RB1#7	22.83	20.74	38.45	PASS
<u> </u>				RB1#14	22.84	20.75	38.45	PASS
BAND26	LTE/TM1	ЗМ	MCH	RB8#0	21.95	19.86	38.45	PASS
				RB8#4	21.74	19.65	38.45	PASS
				RB8#7	21.87	19.78	38.45	PASS
				RB15#0	21.85	19.76	38.45	PASS
				RB1#0	22.98	20.89	38.45	PASS
				RB1#7	22.98	20.89	38.45	PASS
				RB1#14	22.97	20.88	38.45	PASS
			HCH	RB8#0	21.92	19.83	38.45	PASS
				RB8#4	21.93	19.84	38.45	PASS
				RB8#7	21.76	19.67	38.45	PASS
				RB15#0	21.89	19.8	38.45	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
				RB1#0	22.34	20.25	38.45	PASS
				RB1#7	22.29	20.2	38.45	PASS
				RB1#14	22.24	20.15	38.45	PASS
			LCH	RB8#0	20.88	18.79	38.45	PASS
				RB8#4	20.85	18.76	38.45	PASS
				RB8#7	20.87	18.78	38.45	PASS
				RB15#0	20.91	18.82	38.45	PASS
				RB1#0	22.32	20.23	38.45	PASS
				RB1#7	22.23	20.14	38.45	PASS
				RB1#14	22.29	20.2	38.45	PASS
BAND26	LTE/TM2	ЗМ	MCH	RB8#0	20.78	18.69	38.45	PASS
				RB8#4	20.83	18.74	38.45	PASS
				RB8#7	20.81	18.72	38.45	PASS
				RB15#0	20.82	18.73	38.45	PASS
				RB1#0	21.78	19.69	38.45	PASS
				RB1#7	21.79	19.7	38.45	PASS
				RB1#14	21.77	19.68	38.45	PASS
			HCH	RB8#0	20.81	18.72	38.45	PASS
				RB8#4	20.77	18.68	38.45	PASS
				RB8#7	20.75	18.66	38.45	PASS
				RB15#0	20.89	18.8	38.45	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
				RB1#0	21.34	19.25	38.45	PASS
				RB1#7	21.30	19.21	38.45	PASS
				RB1#14	20.30	18.21	38.45	PASS
			LCH	RB8#0	20.14	18.05	38.45	PASS
				RB8#4	20.14	18.05	38.45	PASS
				RB8#7	20.11	18.02	38.45	PASS
				RB15#0	20.18	18.09	38.45	PASS
				RB1#0	21.23	19.14	38.45	PASS
				RB1#7	20.41	18.32	38.45	PASS
<u> </u>				RB1#14	21.32	19.23	38.45	PASS
BAND26	LTE/TM3	ЗМ	MCH	RB8#0	20.08	17.99	38.45	PASS
				RB8#4	20.02	17.93	38.45	PASS
				RB8#7	20.04	17.95	38.45	PASS
				RB15#0	20.10	18.01	38.45	PASS
				RB1#0	21.23	19.14	38.45	PASS
				RB1#7	20.71	18.62	38.45	PASS
				RB1#14	21.23	19.14	38.45	PASS
			HCH	RB8#0	19.98	17.89	38.45	PASS
				RB8#4	20.00	17.91	38.45	PASS
				RB8#7	19.94	17.85	38.45	PASS
				RB15#0	20.00	17.91	38.45	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
				RB1#0	23.05	20.96	38.45	PASS
				RB1#13	23.01	20.92	38.45	PASS
				RB1#24	22.99	20.9	38.45	PASS
			LCH	RB12#0	21.94	19.85	38.45	PASS
				RB12#6	21.93	19.84	38.45	PASS
				RB12#13	21.99	19.9	38.45	PASS
				RB25#0	21.91	19.82	38.45	PASS
				RB1#0	23.01	20.92	38.45	PASS
				RB1#13	22.94	20.85	38.45	PASS
				RB1#24	22.92	20.83	38.45	PASS
BAND26	LTE/TM1	5M	MCH	RB12#0	22.02	19.93	38.45	PASS
				RB12#6	21.88	19.79	38.45	PASS
				RB12#13	21.93	19.84	38.45	PASS
				RB25#0	21.85	19.76	38.45	PASS
				RB1#0	22.94	20.85	38.45	PASS
				RB1#13	22.93	20.84	38.45	PASS
				RB1#24	22.89	20.8	38.45	PASS
			нсн	RB12#0	21.96	19.87	38.45	PASS
				RB12#6	21.84	19.75	38.45	PASS
				RB12#13	21.94	19.85	38.45	PASS
				RB25#0	21.93	19.84	38.45	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
				RB1#0	21.75	19.66	38.45	PASS
				RB1#13	21.67	19.58	38.45	PASS
				RB1#24	21.62	19.53	38.45	PASS
			LCH	RB12#0	20.94	18.85	38.45	PASS
				RB12#6	20.86	18.77	38.45	PASS
				RB12#13	20.87	18.78	38.45	PASS
				RB25#0	20.82	18.73	38.45	PASS
				RB1#0	22.02	19.93	38.45	PASS
				RB1#13	22.04	19.95	38.45	PASS
				RB1#24	21.97	19.88	38.45	PASS
BAND26	LTE/TM2	5M	MCH	RB12#0	20.95	18.86	38.45	PASS
				RB12#6	20.88	18.79	38.45	PASS
				RB12#13	20.88	18.79	38.45	PASS
				RB25#0	20.85	18.76	38.45	PASS
				RB1#0	21.98	19.89	38.45	PASS
				RB1#13	21.97	19.88	38.45	PASS
				RB1#24	21.93	19.84	38.45	PASS
			HCH	RB12#0	20.93	18.84	38.45	PASS
				RB12#6	20.86	18.77	38.45	PASS
				RB12#13	20.87	18.78	38.45	PASS
				RB25#0	20.88	18.79	38.45	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
				RB1#0	21.36	19.27	38.45	PASS
				RB1#13	21.42	19.33	38.45	PASS
				RB1#24	21.32	19.23	38.45	PASS
			LCH	RB12#0	20.22	18.13	38.45	PASS
				RB12#6	20.11	18.02	38.45	PASS
				RB12#13	20.19	18.1	38.45	PASS
				RB25#0	20.14	18.05	38.45	PASS
				RB1#0	21.22	19.13	38.45	PASS
				RB1#13	21.3	19.21	38.45	PASS
BAND26				RB1#24	21.29	19.2	38.45	PASS
	LTE/TM3	5M	MCH	RB12#0	20.13	18.04	38.45	PASS
				RB12#6	20.12	18.03	38.45	PASS
				RB12#13	20.16	18.07	38.45	PASS
				RB25#0	20.09	18	38.45	PASS
				RB1#0	21.23	19.14	38.45	PASS
				RB1#13	21.22	19.13	38.45	PASS
				RB1#24	21.18	19.09	38.45	PASS
			НСН	RB12#0	20.13	18.04	38.45	PASS
				RB12#6	19.98	17.89	38.45	PASS
				RB12#13	20.11	18.02	38.45	PASS
				RB25#0	20.03	17.94	38.45	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
				RB1#0	23.01	20.92	38.45	PASS
				RB1#25	22.86	20.77	38.45	PASS
				RB1#49	22.93	20.84	38.45	PASS
			LCH	RB25#0	21.97	19.88	38.45	PASS
				RB25#13	22.01	19.92	38.45	PASS
				RB25#25	21.94	19.85	38.45	PASS
				RB50#0	21.96	19.87	38.45	PASS
				RB1#0	22.92	20.83	38.45	PASS
				RB1#25	22.57	20.48	38.45	PASS
				RB1#49	22.83	20.74	38.45	PASS
BAND26	LTE/TM1	10M	MCH	RB25#0	21.98	19.89	38.45	PASS
				RB25#13	21.89	19.8	38.45	PASS
				RB25#25	21.96	19.87	38.45	PASS
				RB50#0	21.96	19.87	38.45	PASS
				RB1#0	23.04	20.95	38.45	PASS
				RB1#25	22.75	20.66	38.45	PASS
				RB1#49	22.93	20.84	38.45	PASS
			НСН	RB25#0	21.95	19.86	38.45	PASS
				RB25#13	21.9	19.81	38.45	PASS
				RB25#25	21.92	19.83	38.45	PASS
				RB50#0	21.91	19.82	38.45	PASS



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Tool	Toot	Tool	Toot		Magazzad	EDD		Vord:
Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdic t
				RB1#0	21.98	19.89	38.45	PASS
				RB1#25	21.67	19.58	38.45	PASS
				RB1#49	21.87	19.78	38.45	PASS
			LCH	RB25#0	20.98	18.89	38.45	PASS
				RB25#13	20.95	18.86	38.45	PASS
				RB25#25	20.93	18.84	38.45	PASS
				RB50#0	20.88	18.79	38.45	PASS
				RB1#0	21.97	19.88	38.45	PASS
				RB1#25	21.32	19.23	38.45	PASS
				RB1#49	21.82	19.73	38.45	PASS
BAND26	LTE/TM2	10M	MCH	RB25#0	20.89	18.8	38.45	PASS
				RB25#13	20.87	18.78	38.45	PASS
				RB25#25	20.83	18.74	38.45	PASS
				RB50#0	20.81	18.72	38.45	PASS
				RB1#0	22.02	19.93	38.45	PASS
				RB1#25	21.92	19.83	38.45	PASS
				RB1#49	21.89	19.8	38.45	PASS
			НСН	RB25#0	20.91	18.82	38.45	PASS
				RB25#13	20.88	18.79	38.45	PASS
				RB25#25	20.86	18.77	38.45	PASS
				RB50#0	20.87	18.78	38.45	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdic t
				RB1#0	21.58	19.49	38.45	PASS
				RB1#25	21.40	19.31	38.45	PASS
				RB1#49	20.88	18.79	38.45	PASS
			LCH	RB25#0	20.1	18.01	38.45	PASS
				RB25#13	20.19	18.1	38.45	PASS
				RB25#25	20.15	18.06	38.45	PASS
				RB50#0	20.07	17.98	38.45	PASS
	LTE/TM3	10M		RB1#0	21.38	19.29	38.45	PASS
				RB1#25	21.50	19.41	38.45	PASS
			MCH	RB1#49	21.50	19.41	38.45	PASS
BAND26				RB25#0	20.00	17.91	38.45	PASS
				RB25#13	20.09	18	38.45	PASS
				RB25#25	20.06	17.97	38.45	PASS
				RB50#0	20.08	17.99	38.45	PASS
				RB1#0	21.02	18.93	38.45	PASS
				RB1#25	21.16	19.07	38.45	PASS
				RB1#49	21.34	19.25	38.45	PASS
			HCH	RB25#0	20.01	17.92	38.45	PASS
				RB25#13	19.97	17.88	38.45	PASS
				RB25#25	20.11	18.02	38.45	PASS
				RB50#0	20.14	18.05	38.45	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdic t
				RB1#0	22.91	20.82	38.45	PASS
				RB1#25	22.95	20.86	38.45	PASS
				RB1#49	22.76	20.67	38.45	PASS
			LCH	RB25#0	22.02	19.93	38.45	PASS
				RB25#13	21.97	19.88	38.45	PASS
				RB25#25	21.96	19.87	38.45	PASS
		15M		RB50#0	21.95	19.86	38.45	PASS
	LTE/TM1			RB1#0 2	22.84	20.75	38.45	PASS
				RB1#25	22.84	20.75	38.45	PASS
			MCH	RB1#49	22.73	20.64	38.45	PASS
BAND26				RB25#0	22.04	19.95	38.45	PASS
				RB25#13	21.91	19.82	38.45	PASS
				RB25#25	21.91	19.82	38.45	PASS
				RB50#0	21.94	19.85	38.45	PASS
				RB1#0	22.87	20.78	38.45	PASS
				RB1#25	22.85	20.76	38.45	PASS
				RB1#49	22.75	20.66	38.45	PASS
			НСН	RB25#0	21.98	19.89	38.45	PASS
				RB25#13	21.88	19.79	38.45	PASS
				RB25#25	21.94	19.85	38.45	PASS
				RB50#0	21.93	19.84	38.45	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdic t
				RB1#0	21.86	19.77	38.45	PASS
				RB1#25	21.89	19.8	38.45	PASS
				RB1#49	21.93	19.84	38.45	PASS
			LCH	RB25#0	20.89	18.8	38.45	PASS
				RB25#13	20.97	18.88	38.45	PASS
				RB25#25	20.83	18.74	38.45	PASS
				RB50#0	20.90	18.81	38.45	PASS
		15M		RB1#0	22.04	19.95	38.45	PASS
	LTE/TM2		MCH	RB1#25	21.98	19.89	38.45	PASS
				RB1#49	21.77	19.68	38.45	PASS
BAND26				RB25#0	20.98	18.89	38.45	PASS
				RB25#13	20.94	18.85	38.45	PASS
				RB25#25	20.86	18.77	38.45	PASS
				RB50#0	20.89	18.8	38.45	PASS
				RB1#0	22.03	19.94	38.45	PASS
				RB1#25	21.94	19.85	38.45	PASS
				RB1#49	21.82	19.73	38.45	PASS
			НСН	RB25#0	20.94	18.85	38.45	PASS
				RB25#13	20.84	18.75	38.45	PASS
				RB25#25	20.89	18.8	38.45	PASS
				RB50#0	20.88	18.79	38.45	PASS



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Test	Test	Test	Test	Test RB	Measured	ERP	limit	Verdic
Band(LTE)	Mode	Bandwidth	channel	TEST ND	(dBm)	(dBm)	(dBm)	t
				RB1#0	21.53	19.44	38.45	PASS
				RB1#25	21.12	19.03	38.45	PASS
				RB1#49	20.87	18.78	38.45	PASS
			LCH	RB25#0	20.24	18.15	38.45	PASS
				RB25#13	20.17	18.08	38.45	PASS
				RB25#25	20.13	18.04	38.45	PASS
				RB50#0	20.20	18.11	38.45	PASS
	LTE/TM3	15M		RB1#0	21.19	21.19 19.1 38.	38.45	PASS
				RB1#25	21.26 19.17	38.45	PASS	
				RB1#49 21.40	21.40	19.31	38.45	PASS
BAND26			MCH	RB25#0	20.24	18.15	38.45	PASS
				RB25#13	20.20	18.11	38.45	PASS
				RB25#25	20.01	17.92	38.45	PASS
				RB50#0	20.17	18.08	38.45	PASS
				RB1#0	21.54	19.45	38.45	PASS
				RB1#25	21.15	19.06	38.45	PASS
				RB1#49	21.57	19.48	38.45	PASS
			НСН	RB25#0	20.16	18.07	38.45	PASS
				RB25#13	20.12	18.03	38.45	PASS
				RB25#25	20.04	17.95	38.45	PASS
				RB50#0	20.03	17.94	38.45	PASS

#### Note:

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

ERP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBd]

b: SGP=Signal Generator Level

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

Detector: RMS



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### 2 Peak-to-Average Ratio

#### Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dB]	Limit [dB]	Verdict
		LCH	5.39	13	PASS
	TM1/15M	MCH	5.62	13	PASS
		HCH	5.54	13	PASS
	TM2/15M TM3/15M	LCH	6.32	13	PASS
Band 26		MCH	6.52	13	PASS
		HCH	6.58	13	PASS
		LCH	6.14	13	PASS
		MCH	6.26	13	PASS
		HCH	6.23	13	PASS



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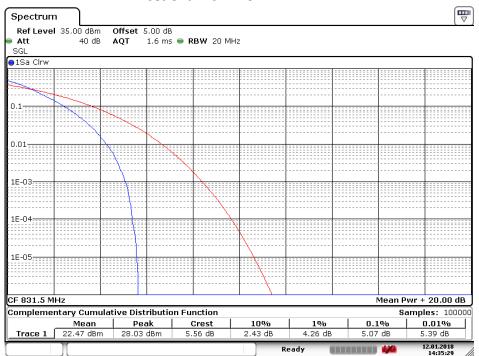
#### Part II - Test Plots

### 2.1 For LTE

### 2.1.1 Test Band = LTE band26

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

#### 2.1.1.1.1 Test Channel = LCH



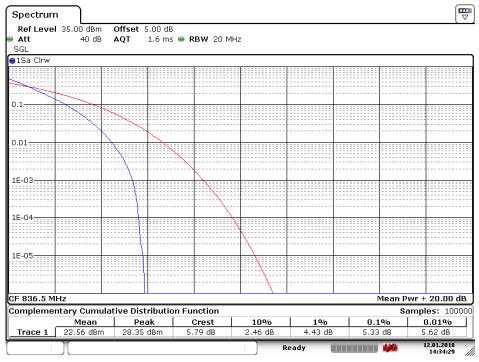
Date: 12.JAN.2018 14:35:29



Report No.: SZEM180100021703

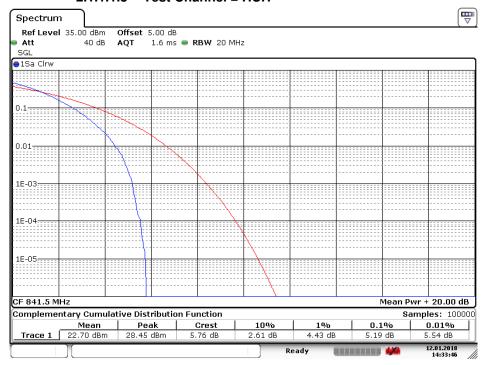
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#### 2.1.1.1.2 Test Channel = MCH



Date: 12.JAN.2018 14:34:30

#### 2.1.1.1.3 Test Channel = HCH



Date: 12.JAN.2018 14:33:46



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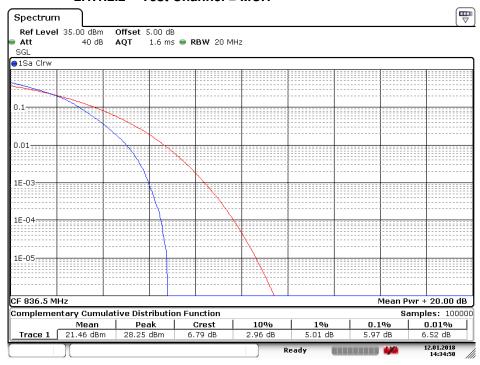
#### 2.1.1.2 Test Mode = LTE/TM2.Bandwidth=15MHz

#### 2.1.1.2.1 Test Channel = LCH



Date: 12.JAN.2018 14:35:11

#### 2.1.1.2.2 Test Channel = MCH



Date: 12.JAN.2018 14:34:50

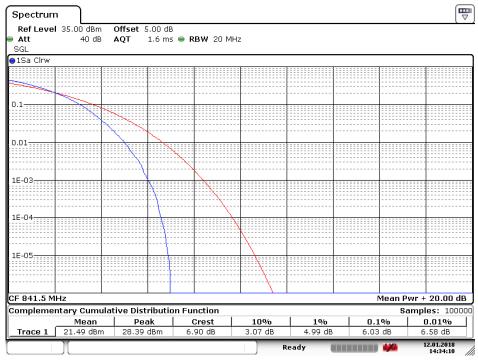
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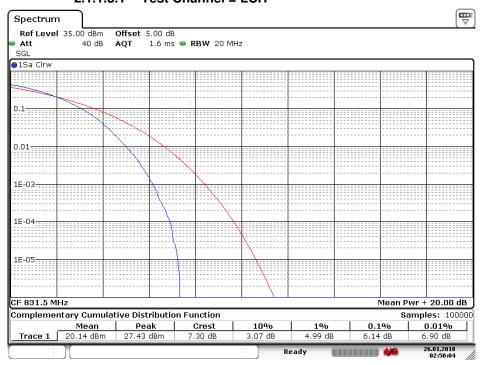
### 2.1.1.2.3 Test Channel = HCH



Date: 12.JAN.2018 14:34:10

#### 2.1.1.3 Test Mode = LTE/TM3.Bandwidth=15MHz

### 2.1.1.3.1 Test Channel = LCH



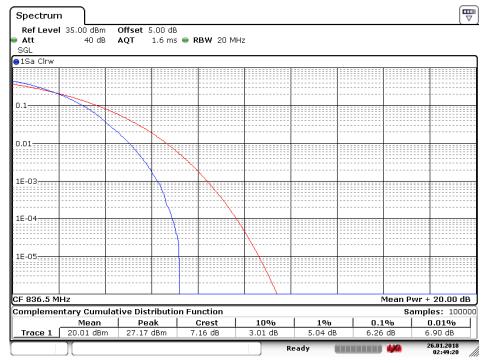
Date: 26.JAN.2018 02:50:04



Report No.: SZEM180100021703

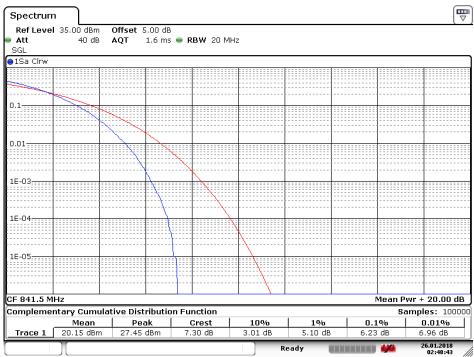
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#### 2.1.1.3.2 Test Channel = MCH



Date: 26.JAN.2018 02:49:20

### 2.1.1.3.3 Test Channel = HCH



Date: 26.JAN.2018 02:48:44



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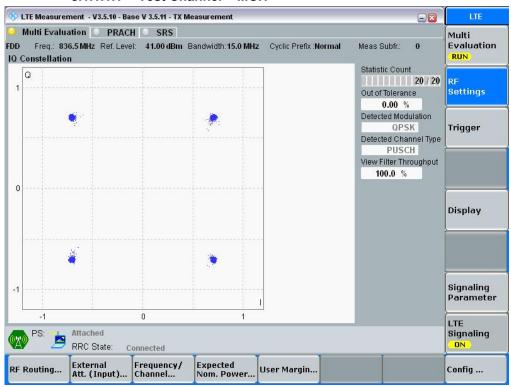
### 3 Modulation Characteristics

### 3.1 For LTE

### 3.1.1 Test Band = LTE band26

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

3.1.1.1.1 Test Channel = MCH



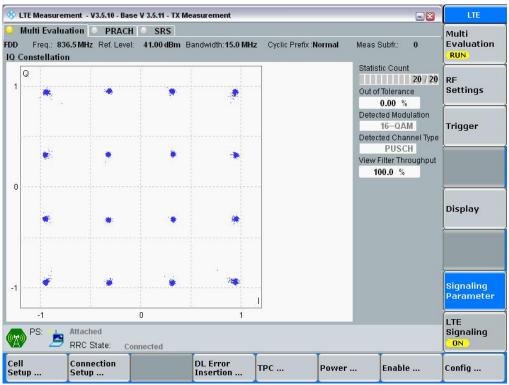


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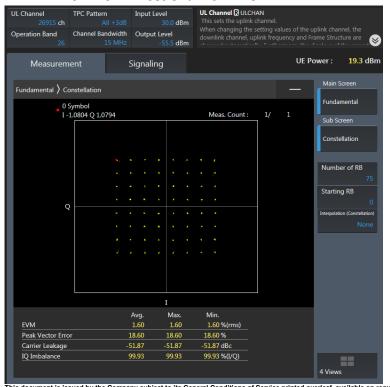
### 3.1.1.2 Test Mode = LTE /TM2 15MHz

#### 3.1.1.2.1 Test Channel = MCH



#### 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
		LCH	1.11	1.24	PASS
	TM1/1.4MHz	MCH	1.10	1.24	PASS
		HCH	1.10	1.25	PASS
		LCH	1.10	1.25	PASS
	TM2/1.4MHz	MCH	1.10	1.24	PASS
		HCH	1.10	1.25	PASS
Band 26	TM3/1.4MHz	LCH	1.10	1.25	PASS
		MCH	1.10	1.25	PASS
		HCH	1.10	1.25	PASS
		LCH	2.69	2.92	PASS
	TM1/3MHz	MCH	2.69	2.94	PASS
		HCH	2.69	2.94	PASS
	TM2/3MHz	LCH	2.69	2.91	PASS

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Test Band	Test Mode	Test Channel	Occupied Bandwidth [MHz]	Emission Bandwidth [MHz]	Verdict
		MCH	2.69	2.93	PASS
		HCH	2.68	2.93	PASS
		LCH	2.69	2.93	PASS
	TM3/3MHz	MCH	2.69	2.95	PASS
		HCH	2.70	2.93	PASS
		LCH	4.48	4.92	PASS
	TM1/5MHz	MCH	4.29	4.90	PASS
		HCH	4.47	4.88	PASS
		LCH	4.47	4.88	PASS
	TM2/5MHz	MCH	4.48	4.89	PASS
		HCH	4.48	4.88	PASS
		LCH	4.47	4.89	PASS
	TM3/5MHz	MCH	4.47	4.87	PASS
		HCH	4.47	4.86	PASS
	TM1/10MHz	LCH	8.91	9.55	PASS
		MCH	8.97	9.71	PASS
		HCH	8.93	9.63	PASS
		LCH	8.91	9.61	PASS
	TM2/10MHz	MCH	8.95	9.71	PASS
		HCH	8.93	9.73	PASS
		LCH	8.93	9.74	PASS
	TM3/10MHz	MCH	8.99	9.79	PASS
		HCH	8.91	9.59	PASS
		LCH	13.46	14.93	PASS
	TM1/15MHz	MCH	13.58	14.99	PASS
		HCH	13.49	14.81	PASS
		LCH	13.46	14.75	PASS
	TM2/15MHz	MCH	13.58	14.87	PASS
		HCH	13.49	14.99	PASS
		LCH	13.43	14.84	PASS
	TM3/15MHz	MCH	13.58	15.08	PASS
		HCH	13.46	15.05	PASS



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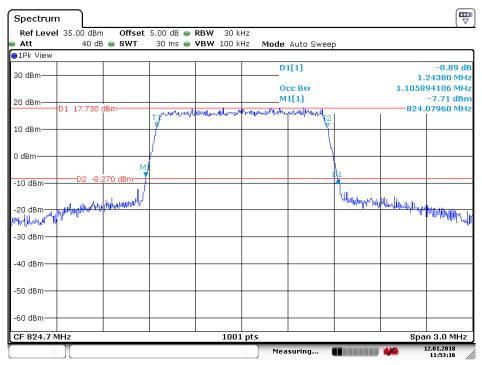
#### Part II -Test Plots

### 4.1 For LTE

#### 4.1.1 Test Band = LTE band26

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

#### 4.1.1.1.1 Test Channel = LCH



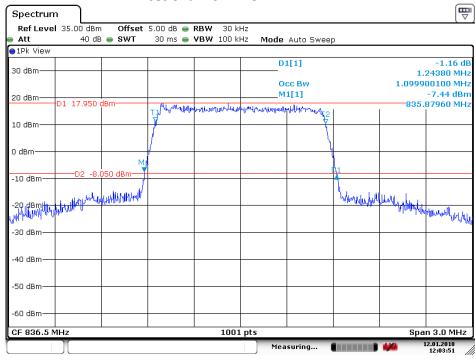
Date: 12.JAN.2018 11:53:17



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#### 4.1.1.1.2 Test Channel = MCH



Date: 12.JAN.2018 12:03:51

### 4.1.1.1.3 Test Channel = HCH



Date: 12.JAN.2018 12:07:34

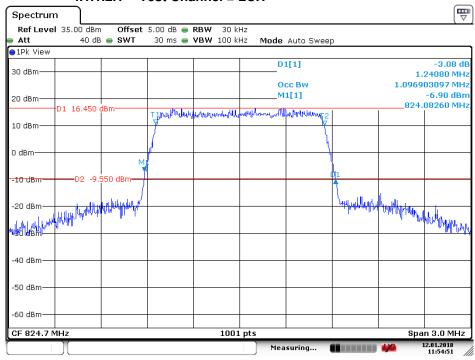


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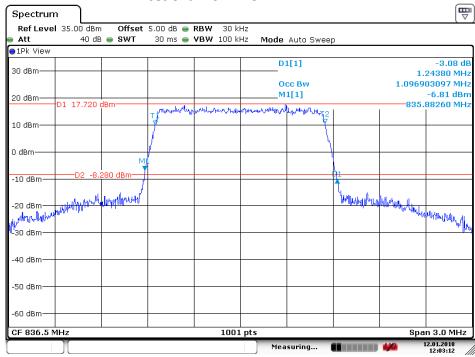
#### 4.1.1.2 Test Mode = LTE/TM2 1.4MHz

#### 4.1.1.2.1 Test Channel = LCH



Date: 12.JAN.2018 11:54:52

#### 4.1.1.2.2 Test Channel = MCH



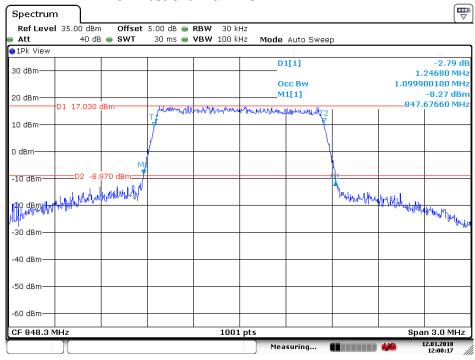
Date: 12.JAN.2018 12:03:12



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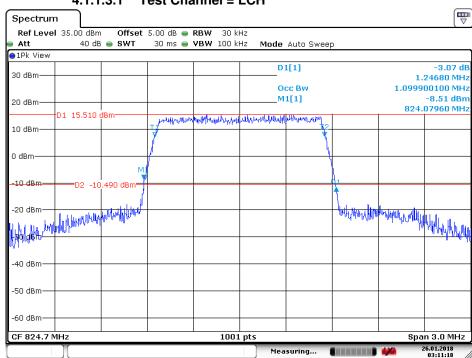




Date: 12.JAN.2018 12:08:17

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

#### 4.1.1.3.1 Test Channel = LCH



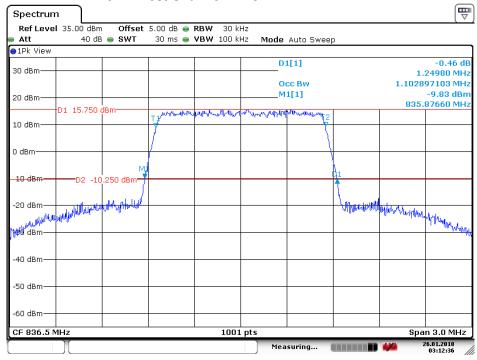
Date: 26.JAN.2018 03:11:18



Report No.: SZEM180100021703

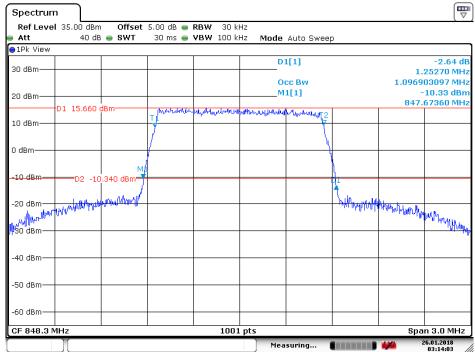
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#### 4.1.1.3.2 Test Channel = MCH



Date: 26.JAN.2018 03:12:37





Date: 26.JAN.2018 03:14:03

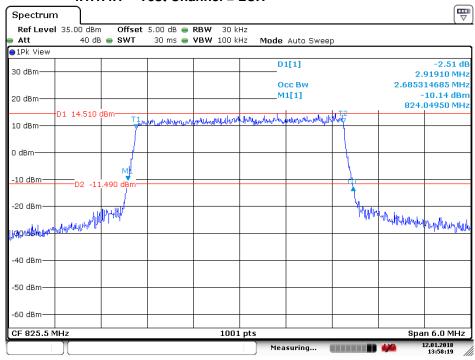


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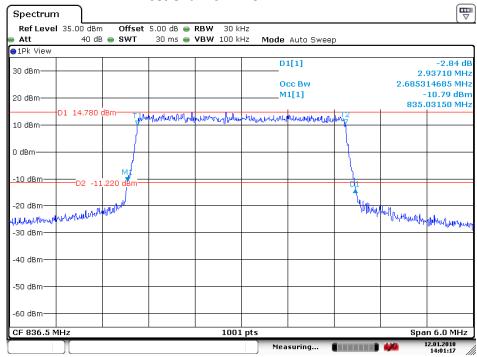
#### 4.1.1.4 Test Mode = LTE/TM1 3MHz

#### 4.1.1.4.1 Test Channel = LCH



Date: 12.JAN.2018 13:58:19

#### 4.1.1.4.2 Test Channel = MCH



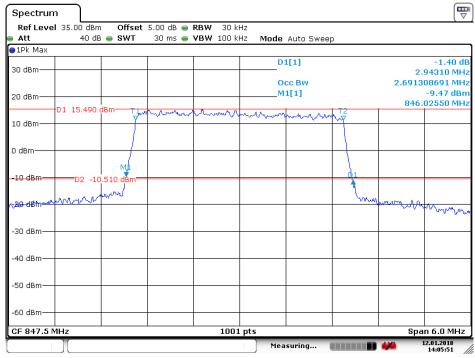
Date: 12.JAN.2018 14:01:17



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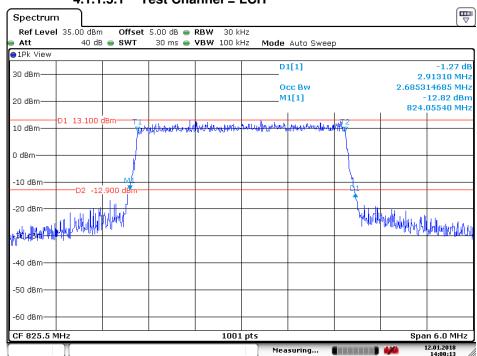
#### 4.1.1.4.3 Test Channel = HCH



Date: 12.JAN.2018 14:05:51

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

### 4.1.1.5.1 Test Channel = LCH



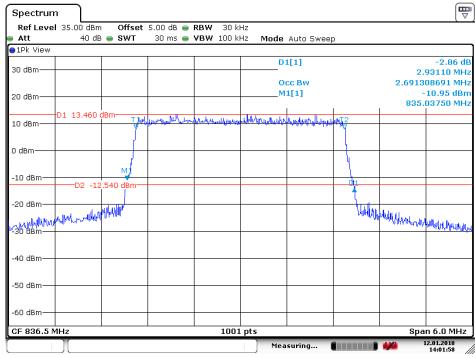
Date: 12.JAN.2018 14:00:13



Report No.: SZEM180100021703

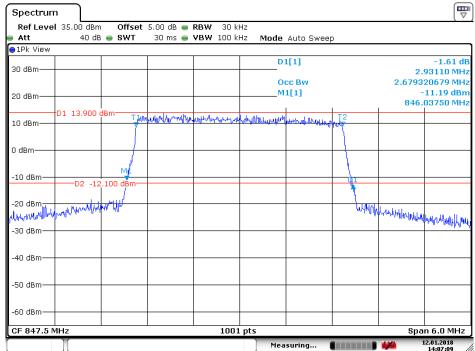
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#### 4.1.1.5.2 Test Channel = MCH



Date: 12.JAN.2018 14:01:58





Date: 12.JAN.2018 14:07:10

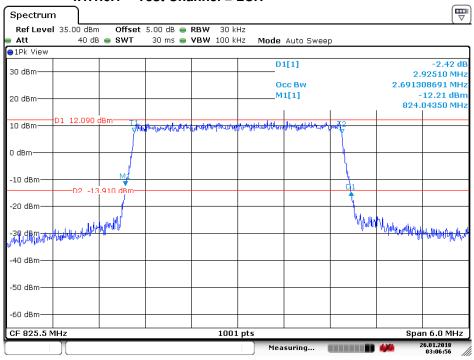


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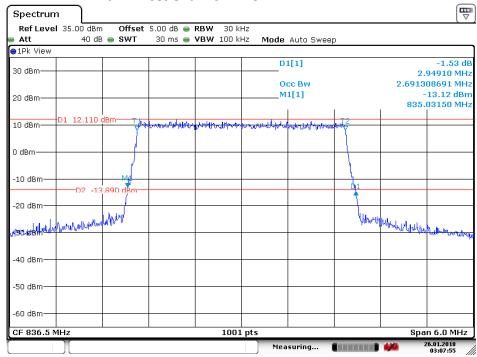
#### 4.1.1.6 Test Mode = LTE/TM3 3MHz

#### 4.1.1.6.1 Test Channel = LCH



Date: 26.JAN.2018 03:06:56

#### 4.1.1.6.2 Test Channel = MCH



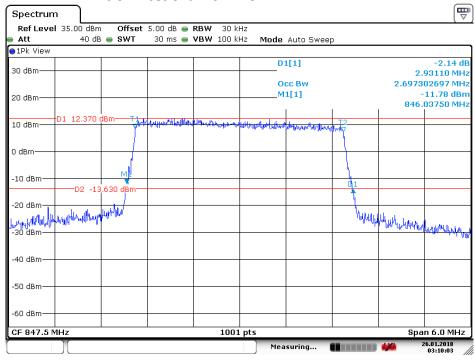
Date: 26.JAN.2018 03:07:56



Report No.: SZEM180100021703

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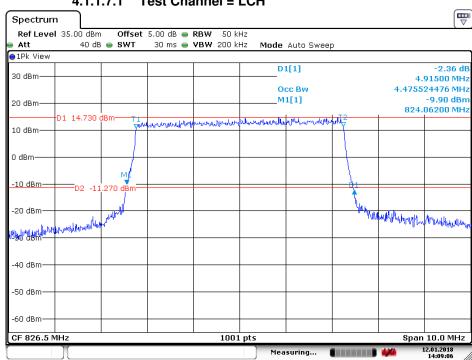
#### 4.1.1.6.3 Test Channel = HCH



Date: 26.JAN.2018 03:10:04

#### 4.1.1.7 Test Mode = LTE/TM1 5MHz

#### 4.1.1.7.1 Test Channel = LCH



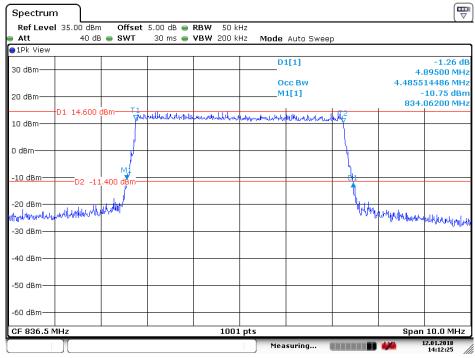
Date: 12.JAN.2018 14:09:06



Report No.: SZEM180100021703

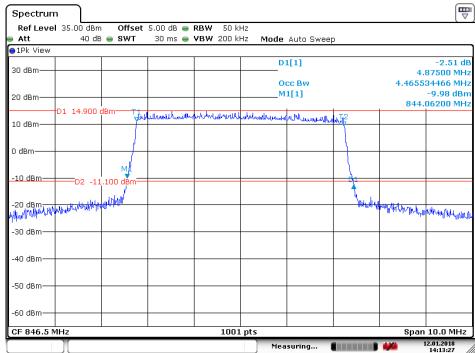
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#### 4.1.1.7.2 Test Channel = MCH



Date: 12.JAN.2018 14:12:26

### 4.1.1.7.3 Test Channel = HCH



Date: 12.JAN.2018 14:13:27

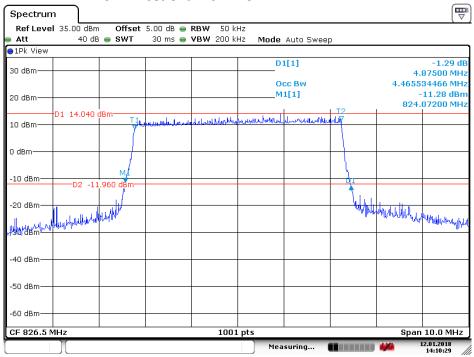


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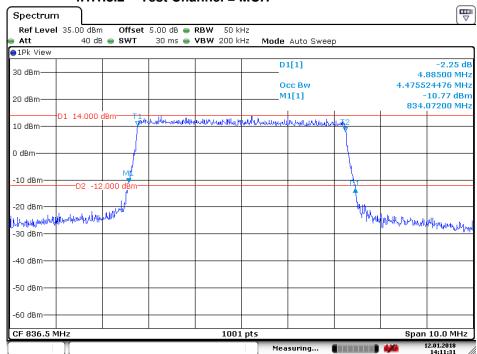
#### 4.1.1.8 Test Mode = LTE/TM2 5MHz

#### 4.1.1.8.1 Test Channel = LCH



Date: 12.JAN.2018 14:10:29

#### 4.1.1.8.2 Test Channel = MCH



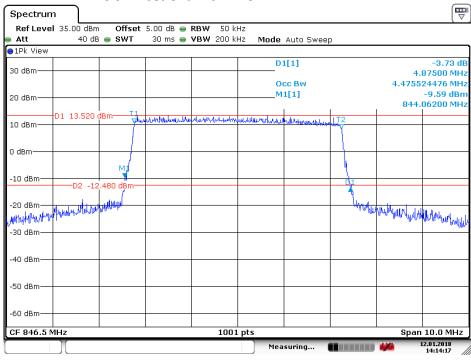
Date: 12.JAN.2018 14:11:31



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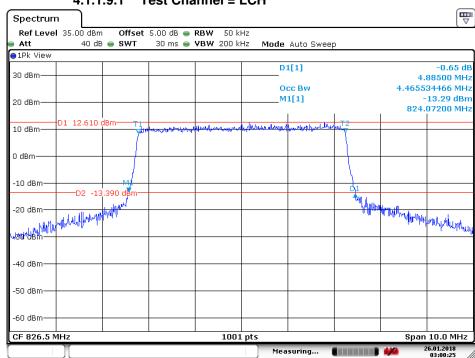
#### 4.1.1.8.3 Test Channel = HCH



Date: 12.JAN.2018 14:14:17

#### 4.1.1.9 Test Mode = LTE/TM3 5MHz

#### 4.1.1.9.1 Test Channel = LCH



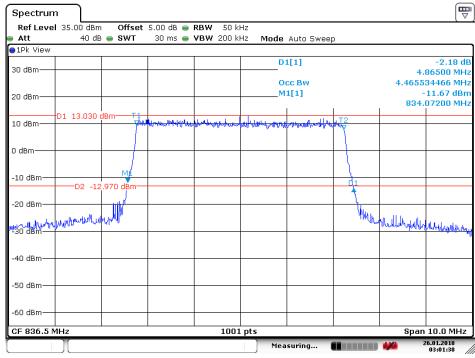
Date: 26.JAN.2018 03:00:26



Report No.: SZEM180100021703

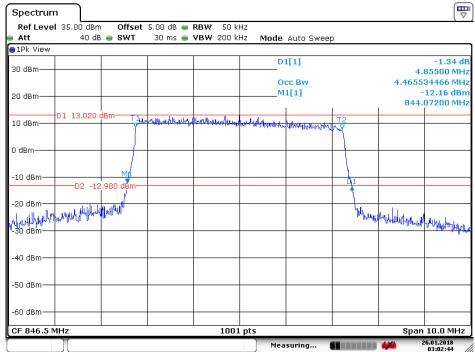
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#### 4.1.1.9.2 Test Channel = MCH



Date: 26.JAN.2018 03:01:39





Date: 26.JAN.2018 03:02:44

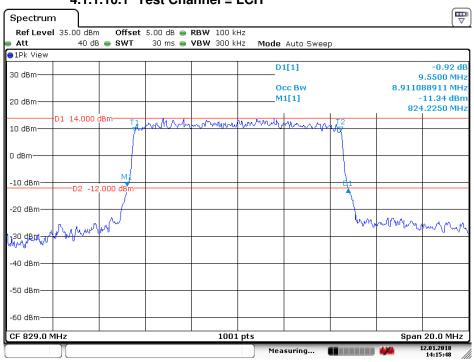


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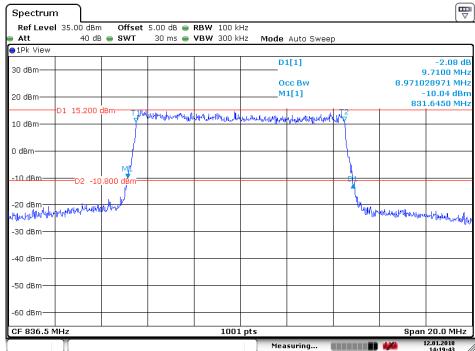
#### 4.1.1.10 Test Mode = LTE/TM1 10MHz

#### 4.1.1.10.1 Test Channel = LCH



Date: 12.JAN.2018 14:15:49

### 4.1.1.10.2 Test Channel = MCH



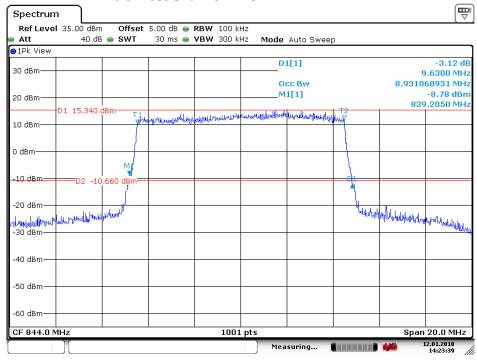
Date: 12.JAN.2018 14:19:43



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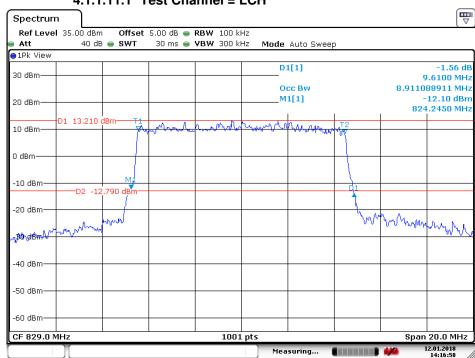
#### 4.1.1.10.3 Test Channel = HCH



Date: 12.JAN.2018 14:23:39

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

### 4.1.1.11.1 Test Channel = LCH

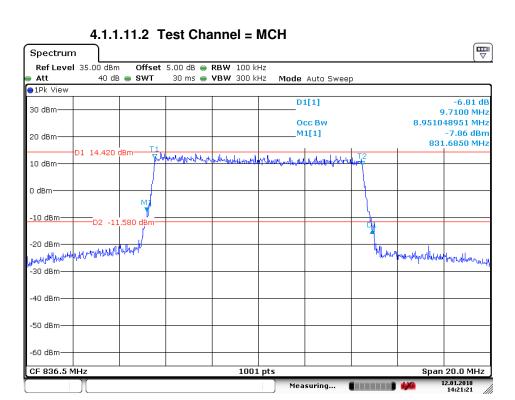


Date: 12.JAN.2018 14:16:58

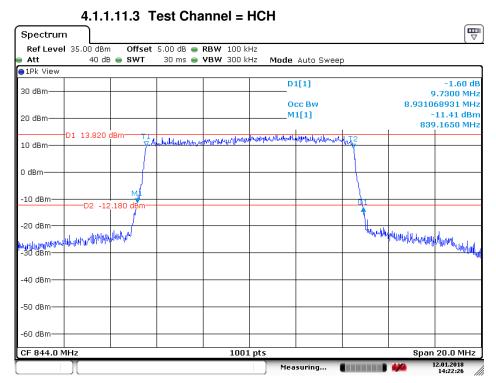


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Date: 12.JAN.2018 14:21:21



Date: 12.JAN.2018 14:22:27

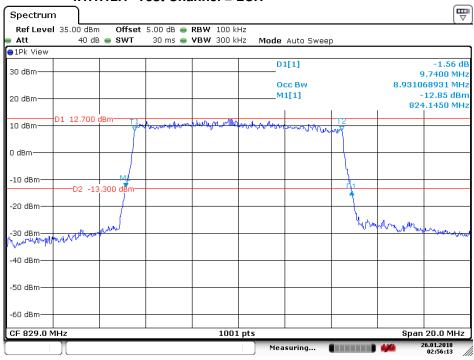


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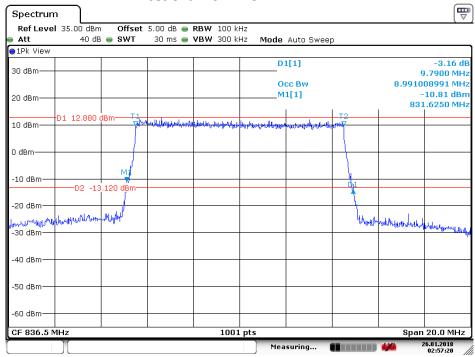
#### 4.1.1.12 Test Mode = LTE/TM3 10MHz

#### 4.1.1.12.1 Test Channel = LCH



Date: 26.JAN.2018 02:56:13

#### 4.1.1.12.2 Test Channel = MCH



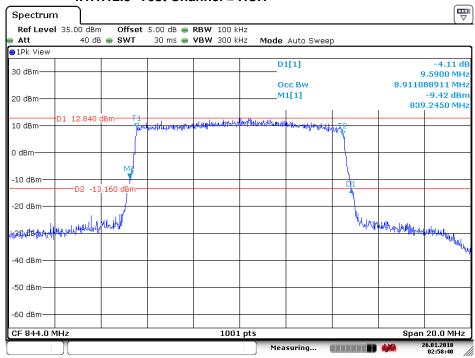
Date: 26.JAN.2018 02:57:20



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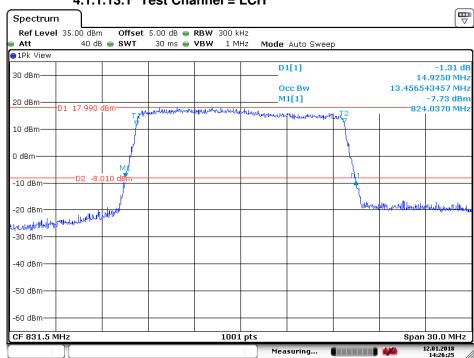
#### 4.1.1.12.3 Test Channel = HCH



Date: 26.JAN.2018 02:58:40

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

#### 4.1.1.13.1 Test Channel = LCH



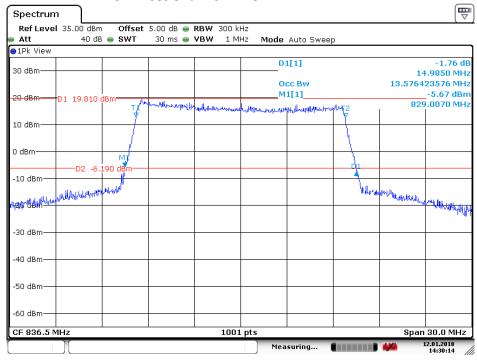
Date: 12.JAN.2018 14:26:26



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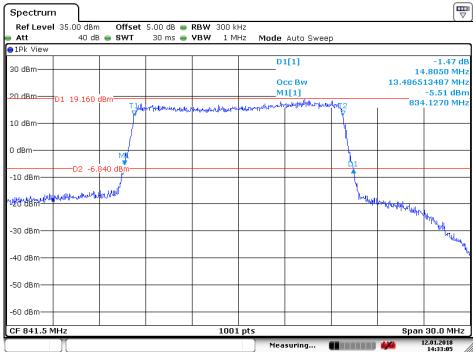
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#### 4.1.1.13.2 Test Channel = MCH



Date: 12.JAN.2018 14:30:15

### 4.1.1.13.3 Test Channel = HCH



Date: 12.JAN.2018 14:33:05

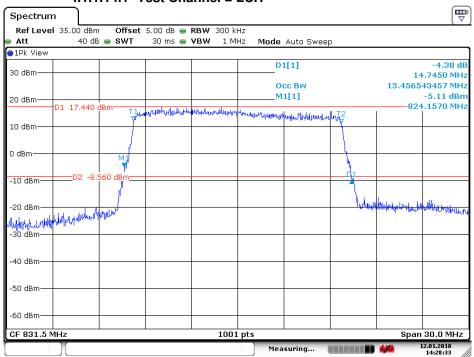


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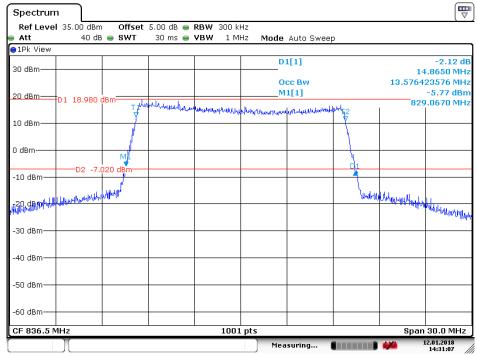
#### 4.1.1.14 Test Mode = LTE/TM2 15MHz

#### 4.1.1.14.1 Test Channel = LCH



Date: 12.JAN.2018 14:28:34

#### 4.1.1.14.2 Test Channel = MCH



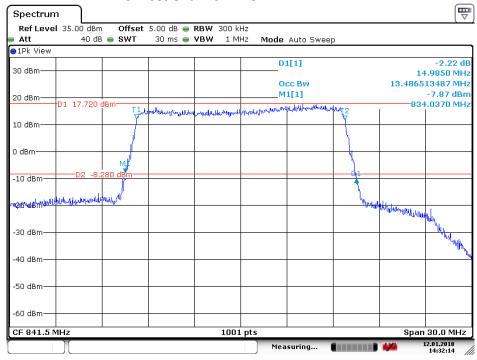
Date: 12.JAN.2018 14:31:07



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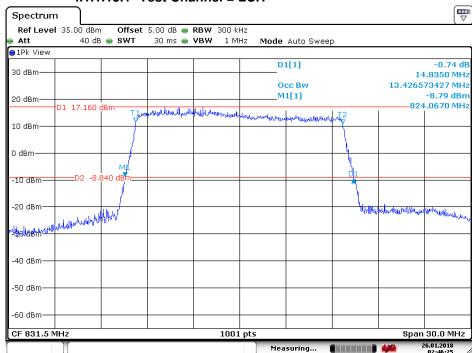
#### 4.1.1.14.3 Test Channel = HCH



Date: 12.JAN.2018 14:32:15

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

### 4.1.1.15.1 Test Channel = LCH



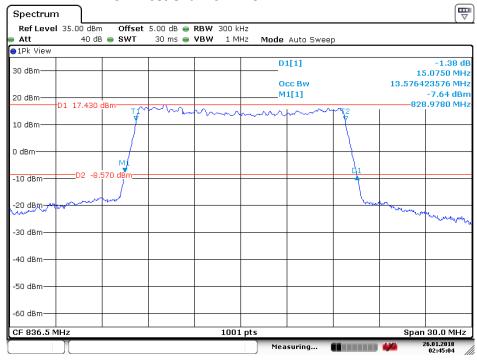
Date: 26.JAN.2018 02:46:25



Report No.: SZEM180100021703

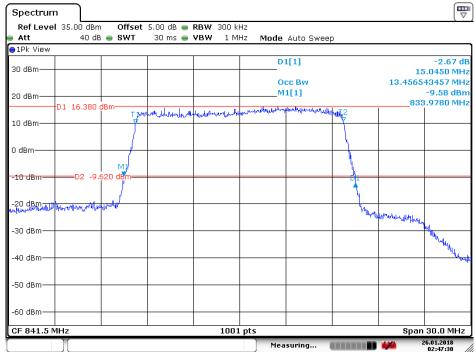
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#### 4.1.1.15.2 Test Channel = MCH



Date: 26.JAN.2018 02:45:04

### 4.1.1.15.3 Test Channel = HCH



Date: 26.JAN.2018 02:47:30



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### 5 Band Edges Compliance

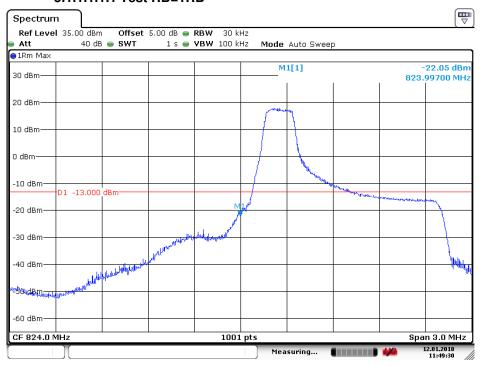
### 5.1 For LTE

### 5.1.1 Test Band = LTE band26

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

5.1.1.1.1 Test Channel = LCH

#### 5.1.1.1.1 Test RB=1RB



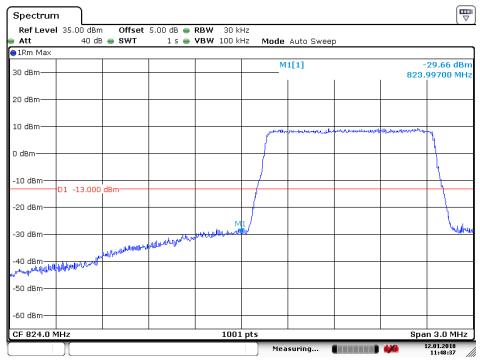
Date: 12.JAN.2018 11:49:30



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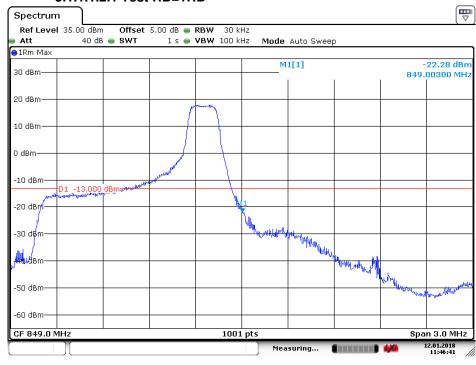
#### 5.1.1.1.1.2 Test RB=6RB



Date: 12.JAN.2018 11:48:37

#### 5.1.1.1.2 Test Channel = HCH

#### 5.1.1.1.2.1 Test RB=1RB



Date: 12.JAN.2018 11:46:41



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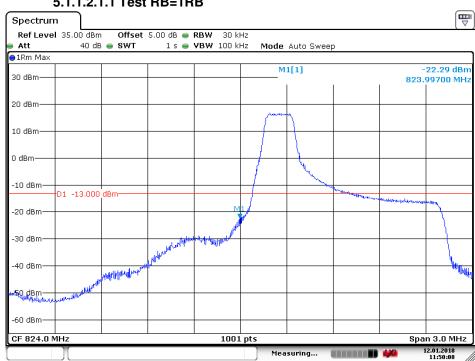
#### 5.1.1.1.2.2 Test RB=6RB



Date: 12.JAN.2018 11:46:11

### 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



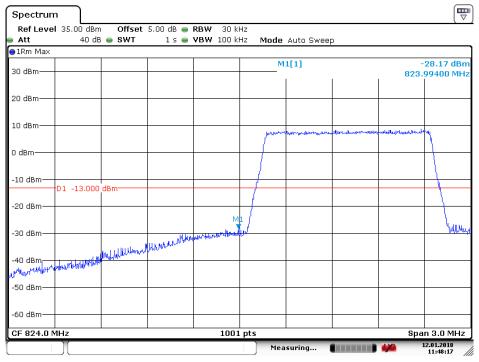
Date: 12.JAN.2018 11:50:09



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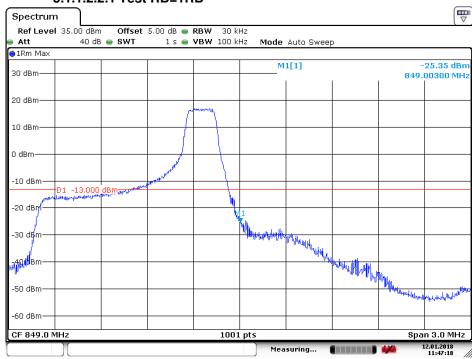
#### 5.1.1.2.1.2 Test RB=6RB



Date: 12.JAN.2018 11:48:17

#### 5.1.1.2.2 Test Channel = HCH

#### 5.1.1.2.2.1 Test RB=1RB



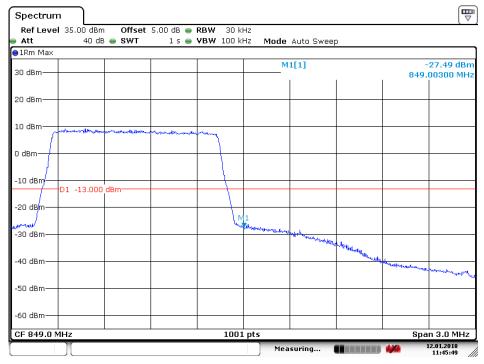
Date: 12.JAN.2018 11:47:18



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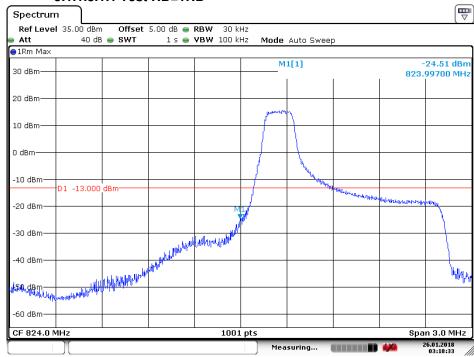
#### 5.1.1.2.2.2 Test RB=6RB



Date: 12.JAN.2018 11:45:49

### 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



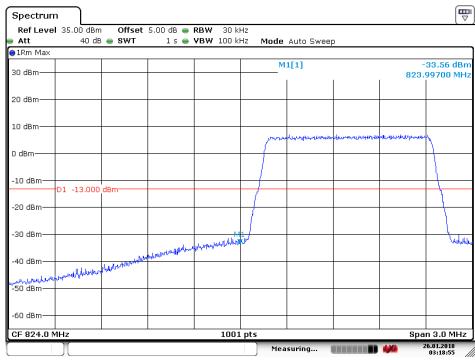
Date: 26.JAN.2018 03:18:34



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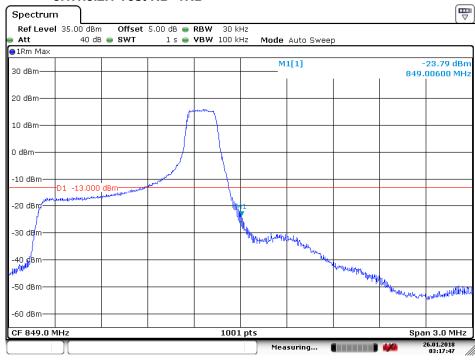
#### 5.1.1.3.1.2 Test RB=6RB



Date: 26.JAN.2018 03:18:54

#### 5.1.1.3.2 Test Channel = HCH

#### 5.1.1.3.2.1 Test RB=1RB



Date: 26.JAN.2018 03:17:47



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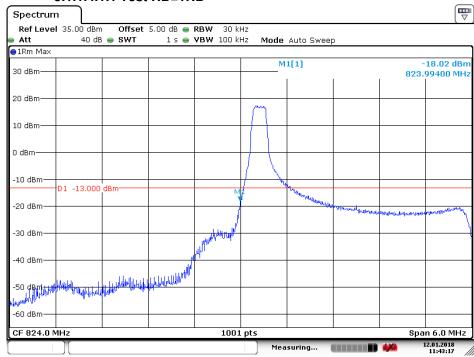
#### 5.1.1.3.2.2 Test RB=6RB



Date: 26.JAN.2018 03:16:43

### 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

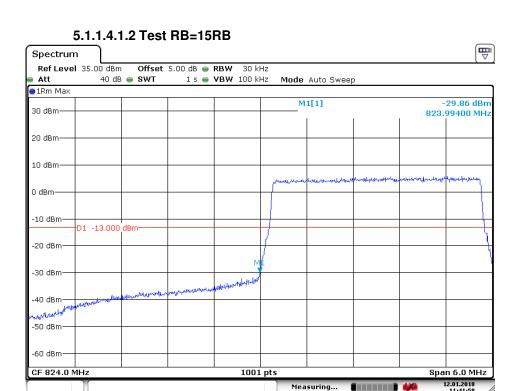


Date: 12.JAN.2018 11:43:17



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Date: 12.JAN.2018 11:41:58

#### 5.1.1.4.2 Test Channel = HCH

#### 5.1.1.4.2.1 Test RB=1RB $\blacksquare$ Spectrum Ref Level 35.00 dBm Offset 5.00 dB • RBW 30 kHz 40 dB . SWT 1 s • VBW 100 kHz Mode Auto Sweep Att 1Rm Max M1[1] 17.94 dBn 30 dBm 849,00600 MHz 20 dBm 10 dBm 0 dBm--10 dBm-D1 -13.000 dBm -30 dBm -40 dBm antimetral frailleantaine -50 dBm -60 dBm CF 849.0 MHz 1001 pts Span 6.0 MHz Measuring...

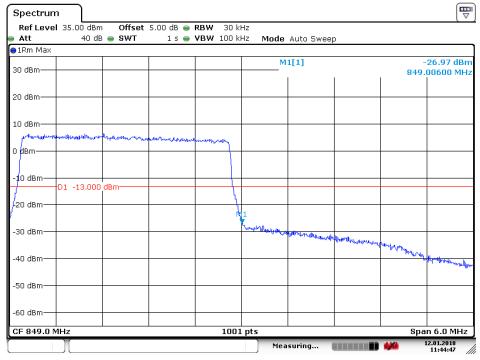
Date: 12.JAN.2018 11:44:03



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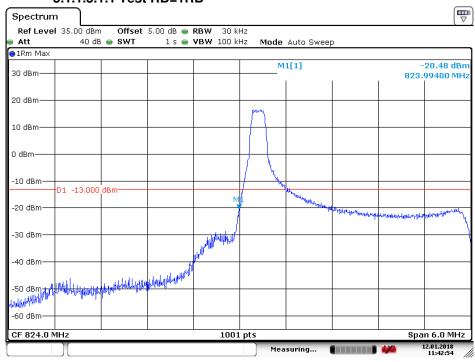
#### 5.1.1.4.2.2 Test RB=15RB



Date: 12.JAN.2018 11:44:48

### 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



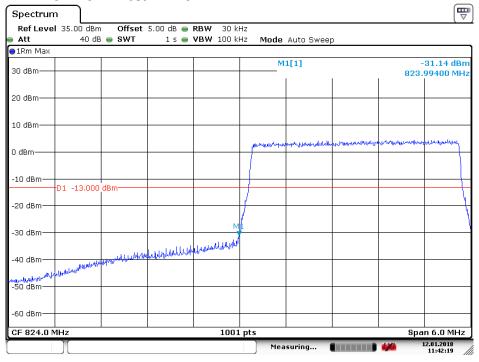
Date: 12.JAN.2018 11:42:54



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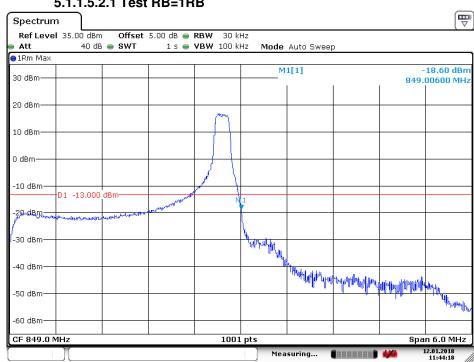
#### 5.1.1.5.1.2 Test RB=15RB



Date: 12.JAN.2018 11:42:19

#### 5.1.1.5.2 Test Channel = HCH

#### 5.1.1.5.2.1 Test RB=1RB



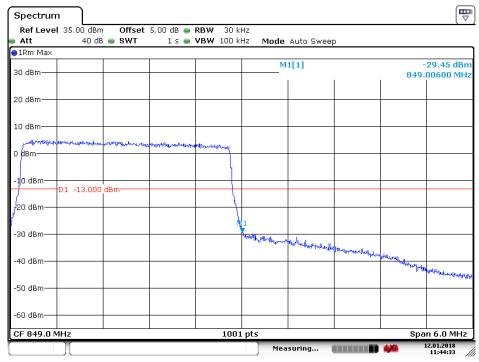
Date: 12.JAN.2018 11:44:19



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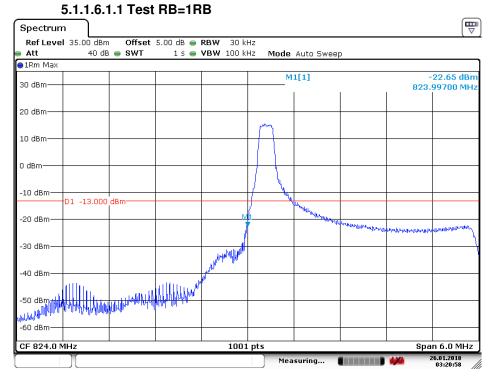
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#### 5.1.1.5.3 Test RB=15RB



Date: 12.JAN.2018 11:44:33

### 5.1.1.6 Test Mode = LTE/TM3 3MHz 5.1.1.6.1 Test Channel = LCH



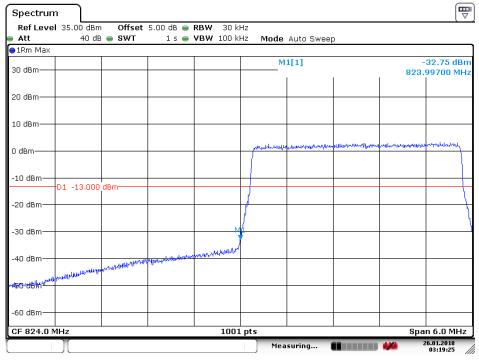
Date: 26.JAN.2018 03:20:58



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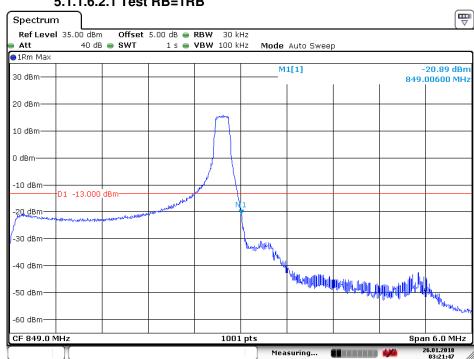
#### 5.1.1.6.1.2 Test RB=15RB



Date: 26.JAN.2018 03:19:26

#### 5.1.1.6.2 Test Channel = HCH

#### 5.1.1.6.2.1 Test RB=1RB



Date: 26.JAN.2018 03:21:47



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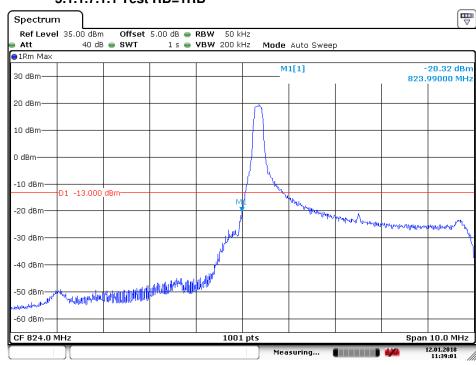
#### 5.1.1.6.3 Test RB=15RB



Date: 26.JAN.2018 03:22:15

### 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



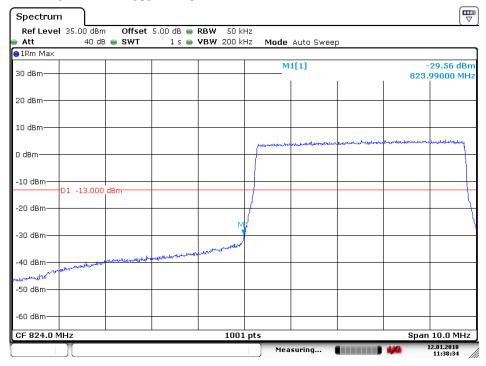
Date: 12.JAN.2018 11:39:01



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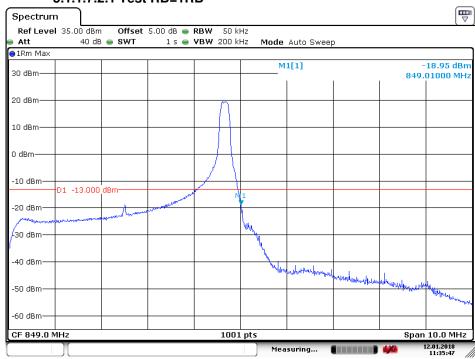
#### 5.1.1.7.1.2 Test RB=25RB



Date: 12.JAN.2018 11:38:35

#### 5.1.1.7.2 Test Channel = HCH

#### 5.1.1.7.2.1 Test RB=1RB



Date: 12.JAN.2018 11:35:48



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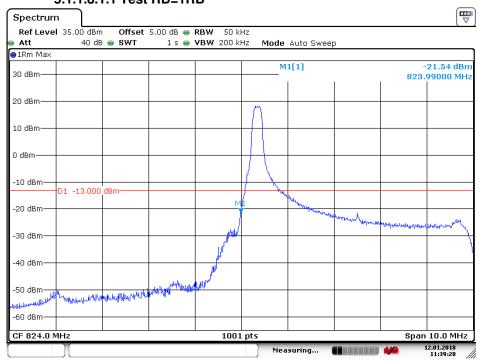
#### 5.1.1.7.2.2 Test RB=25RB



Date: 12.JAN.2018 11:38:03

### 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



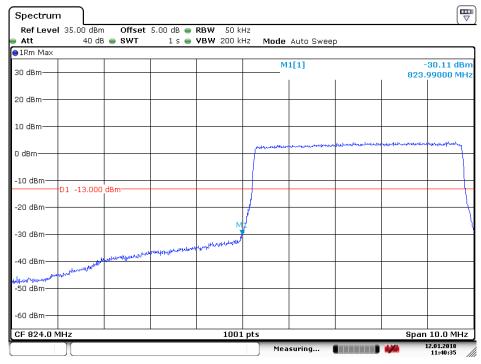
Date: 12.JAN.2018 11:39:21



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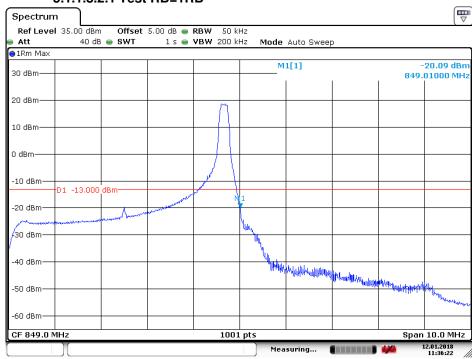
#### 5.1.1.8.1.2 Test RB=25RB



Date: 12.JAN.2018 11:40:36

#### 5.1.1.8.2 Test Channel = HCH

#### 5.1.1.8.2.1 Test RB=1RB



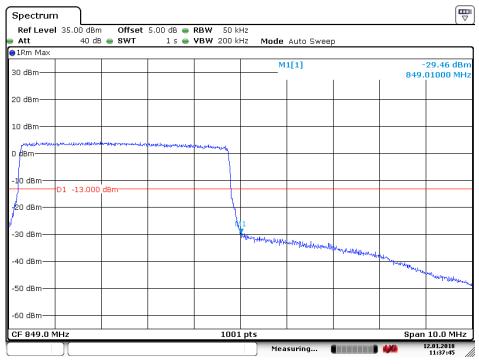
Date: 12.JAN.2018 11:36:23



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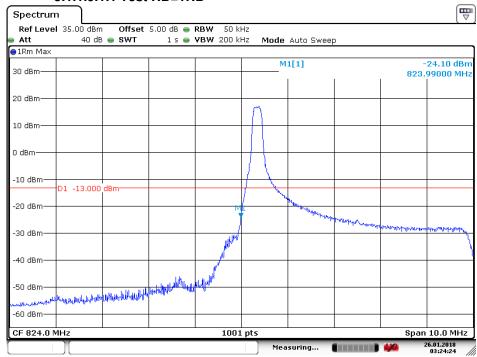
#### 5.1.1.8.2.2 Test RB=25RB



Date: 12.JAN.2018 11:37:46

### 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



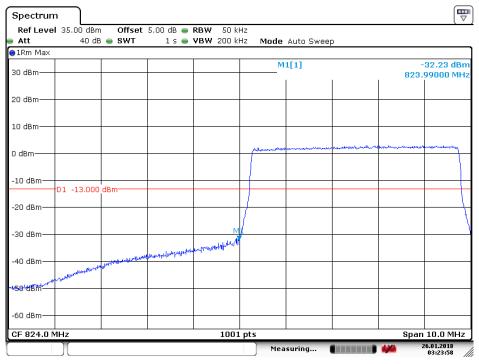
Date: 26.JAN.2018 03:24:24



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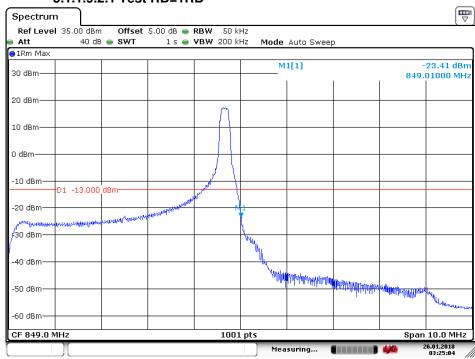
#### 5.1.1.9.1.2 Test RB=25RB



Date: 26.JAN.2018 03:23:58

#### 5.1.1.9.2 Test Channel = HCH

#### 5.1.1.9.2.1 Test RB=1RB



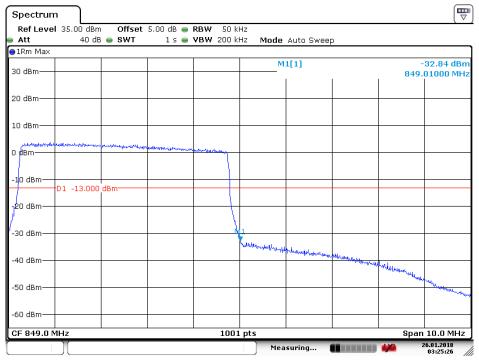
Date: 26.JAN.2018 03:25:04



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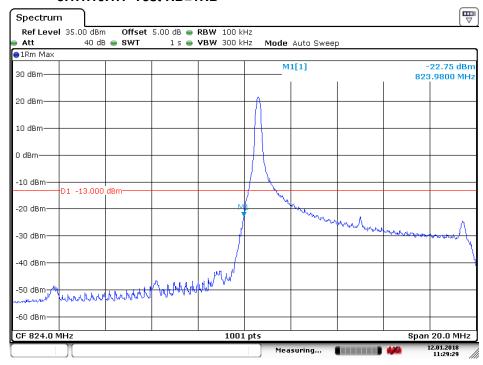
#### 5.1.1.9.2.2 Test RB=25RB



Date: 26.JAN.2018 03:25:26

### 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



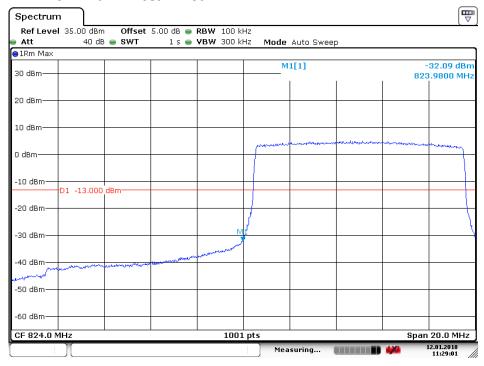
Date: 12.JAN.2018 11:29:30



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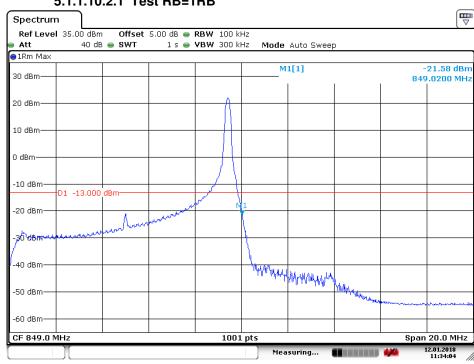
#### 5.1.1.10.1.2 Test RB=50RB



Date: 12.JAN.2018 11:29:01

#### 5.1.1.10.2 Test Channel = HCH

#### 5.1.1.10.2.1 Test RB=1RB



Date: 12.JAN.2018 11:34:04



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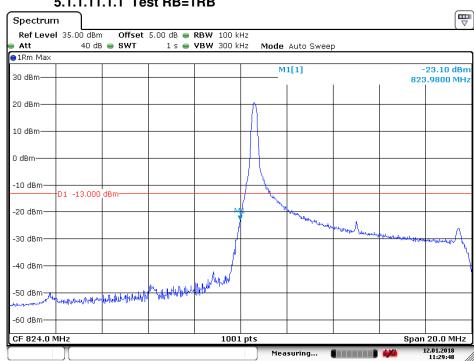
#### 5.1.1.10.2.2 Test RB=50RB



Date: 12.JAN.2018 11:32:56

### 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



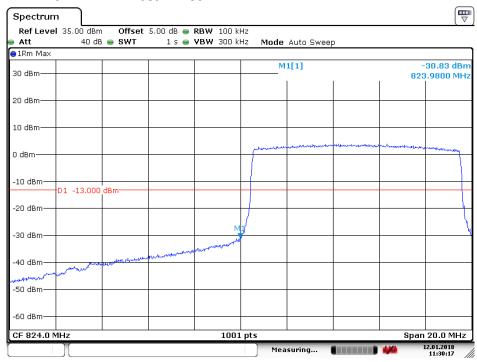
Date: 12.JAN.2018 11:29:48



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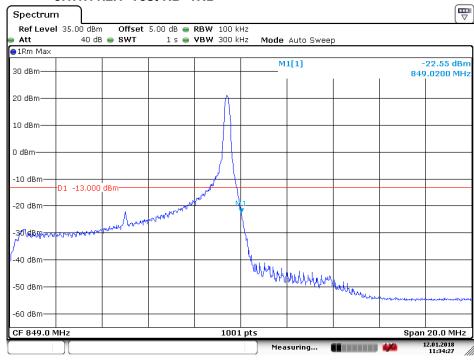
#### 5.1.1.11.1.2 Test RB=50RB



Date: 12.JAN.2018 11:30:17

#### 5.1.1.11.2 Test Channel = HCH

#### 5.1.1.11.2.1 Test RB=1RB



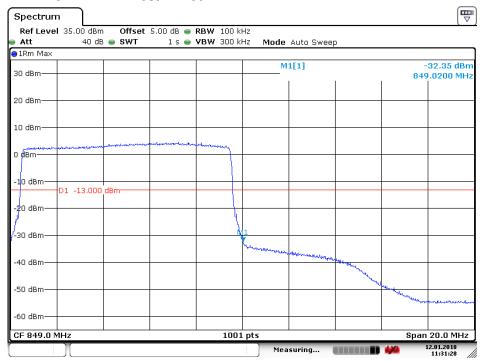
Date: 12.JAN.2018 11:34:28



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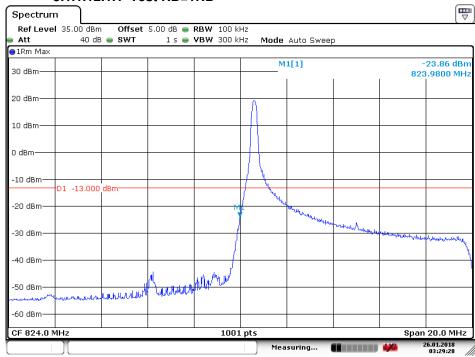
#### 5.1.1.11.2.2 Test RB=50RB



Date: 12.JAN.2018 11:31:28

# 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



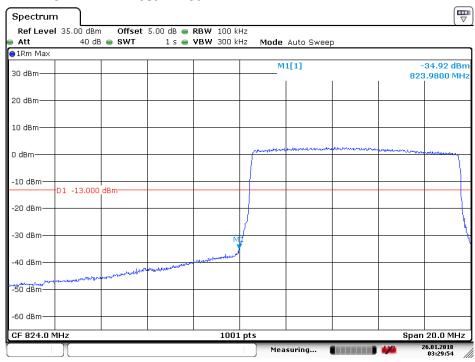
Date: 26.JAN.2018 03:29:29



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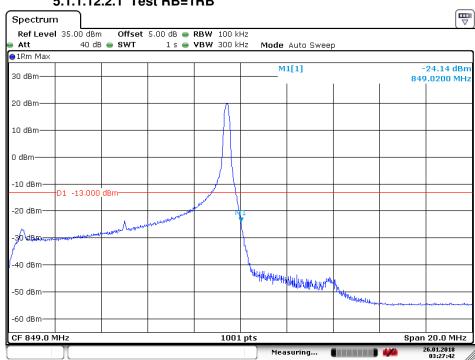
### 5.1.1.12.1.2 Test RB=50RB



Date: 26.JAN.2018 03:29:54

## 5.1.1.12.2 Test Channel = HCH

### 5.1.1.12.2.1 Test RB=1RB



Date: 26.JAN.2018 03:27:42



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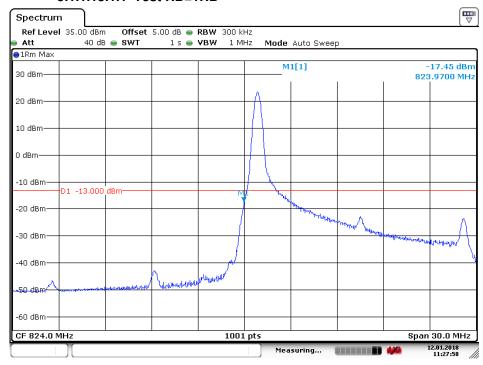
### 5.1.1.12.2.2 Test RB=50RB



Date: 26.JAN.2018 03:26:32

# 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



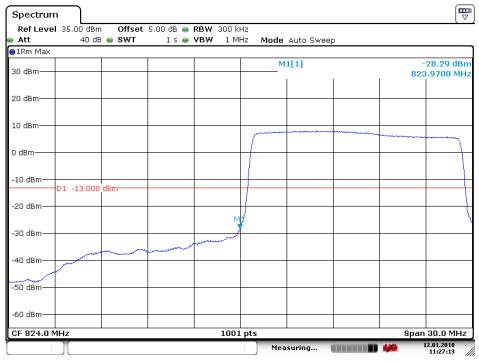
Date: 12.JAN.2018 11:27:59



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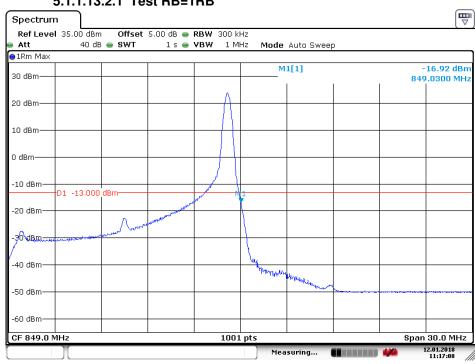
### 5.1.1.13.1.2 Test RB=75RB



Date: 12.JAN.2018 11:27:14

#### 5.1.1.13.2 Test Channel = HCH

## 5.1.1.13.2.1 Test RB=1RB



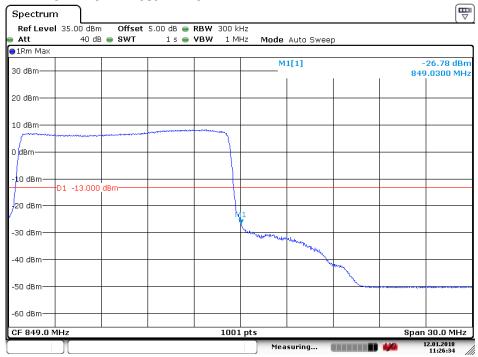
Date: 12.JAN.2018 11:17:09



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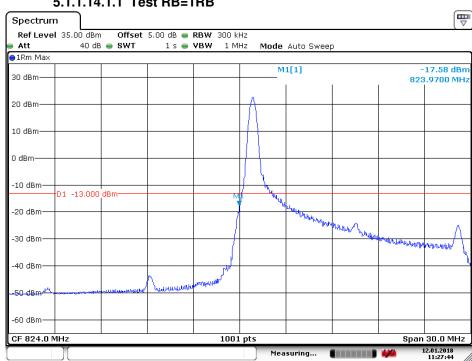
### 5.1.1.13.2.2 Test RB=75RB



Date: 12.JAN.2018 11:26:34

# 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



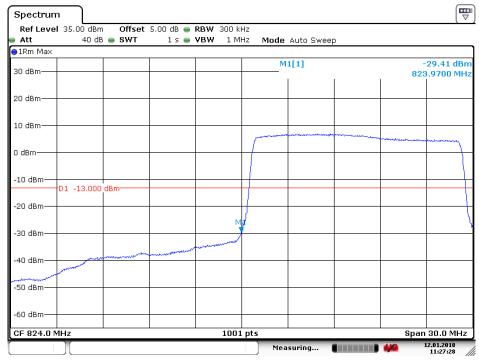
Date: 12.JAN.2018 11:27:44



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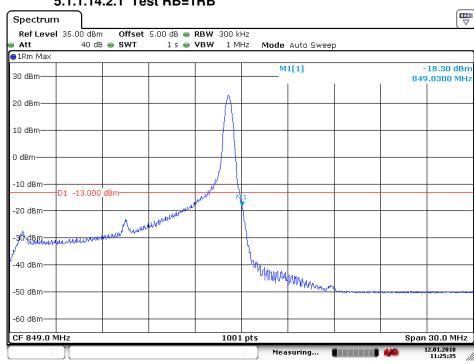
### 5.1.1.14.1.2 Test RB=75RB



Date: 12.JAN.2018 11:27:28

#### 5.1.1.14.2 Test Channel = HCH

## 5.1.1.14.2.1 Test RB=1RB



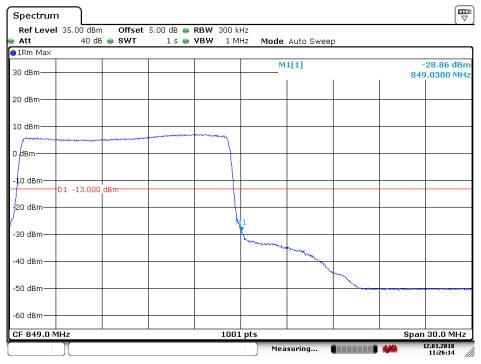
Date: 12.JAN.2018 11:25:36



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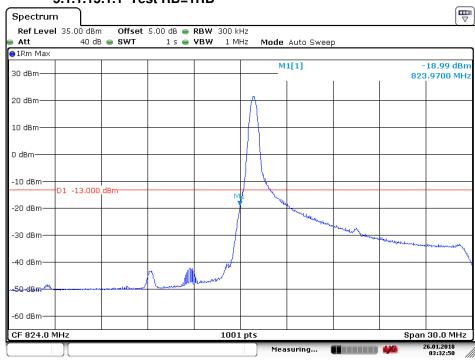
### 5.1.1.14.2.2 Test RB=75RB



Date: 12.JAN.2018 11:26:15

# 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



Date: 26.JAN.2018 03:32:51

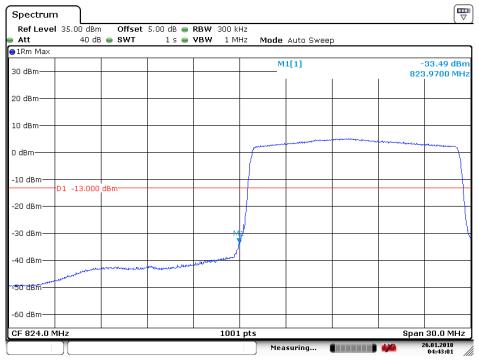
This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-and-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Ter



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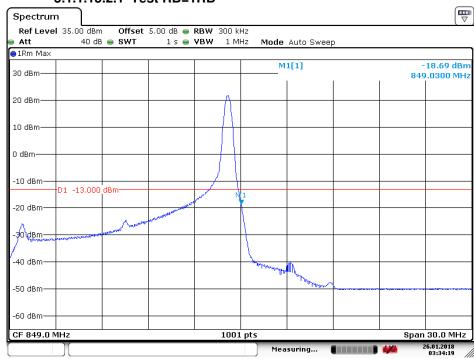
#### 5.1.1.15.1.2 Test RB=75RB



Date: 26.JAN.2018 04:43:01

#### 5.1.1.15.2 Test Channel = HCH

## 5.1.1.15.2.1 Test RB=1RB



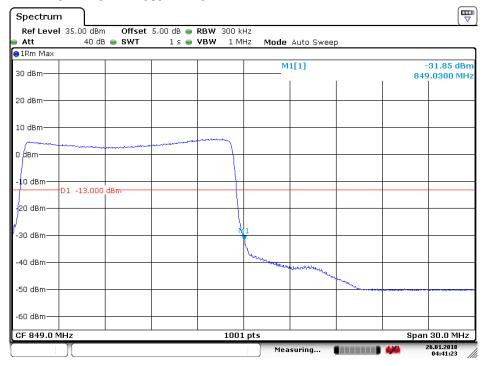
Date: 26.JAN.2018 03:34:20



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### 5.1.1.15.2.2 Test RB=75RB



Date: 26.JAN.2018 04:41:23



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# 6 Spurious Emission at Antenna Terminal

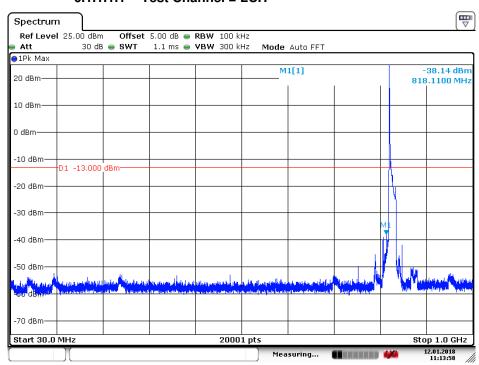
NOTE: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k\* (Span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

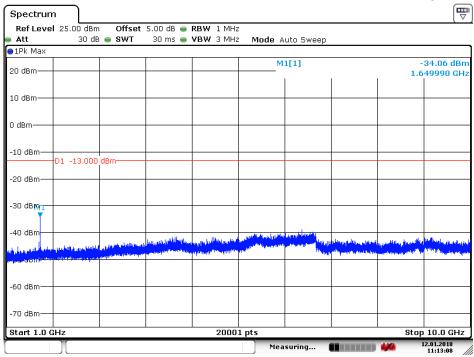


Date: 12.JAN.2018 11:13:58



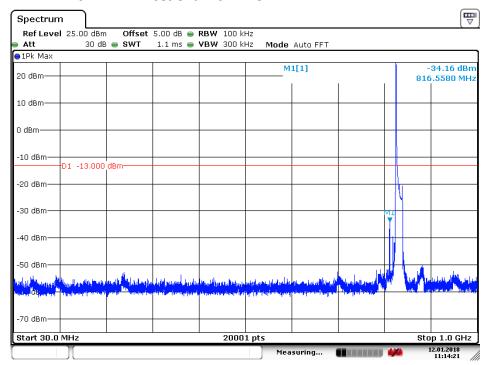
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Date: 12.JAN.2018 11:13:08

#### 6.1.1.1.2 Test Channel = MCH

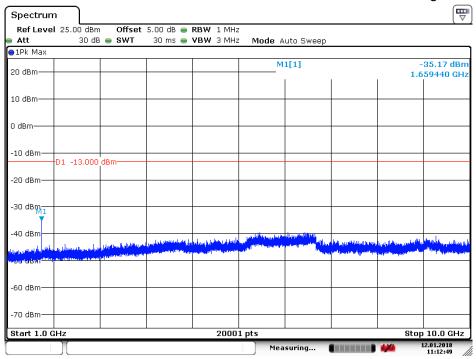


Date: 12.JAN.2018 11:14:21



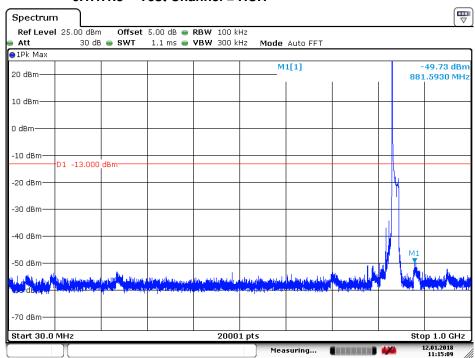
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Date: 12.JAN.2018 11:12:49

#### 6.1.1.1.3 Test Channel = HCH

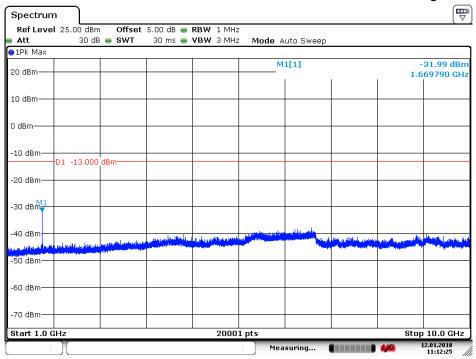


Date: 12.JAN.2018 11:15:09



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Date: 12.JAN.2018 11:12:26



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# 7 Field Strength of Spurious Radiation

## 7.1 For LTE

## 7.1.1 Test Band = LTE band26

## **Diversity antenna**

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

7.1.1.1.1 Test Channel = LCH

Frequency (MHz)	(MHz) Level (dBm) Limit Line (dBm)		Over Limit (dB)	Polarization	
39.800000	-74.90	-13.00	61.90	Vertical	
70.273333	-74.29	-13.00	61.29	Vertical	
1279.000000	-66.20	-13.00	53.20	Vertical	
2387.000000	-59.08	-13.00	46.08	Vertical	
5006.062500	-66.59	-13.00 53.59		Vertical	
7856.475000	-64.20	-13.00	51.20	Vertical	
65.140000	-74.80	-13.00	61.80	Horizontal	
614.725000	-77.13	-13.00	64.13	Horizontal	
1212.000000	-66.85	-13.00	53.85	Horizontal	
2800.000000	-56.95	-13.00	43.95	Horizontal	
4298.212500	-66.86	-13.00	53.86	Horizontal	
7917.900000	-64.17	-13.00	51.17	Horizontal	

### 7.1.1.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization	
69.713333	-75.20	-13.00	62.20	Vertical	
372.440000	-78.20	-13.00	65.20	Vertical	
1279.000000	-66.22	-13.00	53.22	Vertical	
2496.000000	-54.05	-13.00	41.05	Vertical	
4160.250000	-65.45	-13.00 52.45		Vertical	
7695.600000	-65.01	-13.00	52.01	Vertical	
65.560000	-74.64	-36.00	38.64	Horizontal	
612.479167	-77.77	-36.00	41.77	Horizontal	
1575.500000	-65.78	-30.00	35.78	Horizontal	
2496.000000	-55.36	-30.00	25.36	Horizontal	
4160.250000	-64.67	-30.00	34.67	Horizontal	
7990.537500	-64.17	-30.00	34.17	Horizontal	



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7.1.1.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization	
39.800000	-74.98	-13.00	61.98	Vertical	
69.620000	-74.85	-13.00	61.85	Vertical	
384.666667	-78.40	-13.00	65.40	Vertical	
2682.500000	-57.23	-13.00	44.23	Vertical	
3801.937500	-68.20	-13.00	55.20	Vertical	
7247.587500	-64.73	-13.00	51.73	Vertical	
64.906667	-74.65	-13.00	61.65	Horizontal	
173.733333	-81.86	-13.00	68.86	Horizontal	
621.829167	-77.61	-13.00	64.61	Horizontal	
2388.500000	-58.81	-13.00	45.81	Horizontal	
4286.512500	-66.88	-13.00	53.88	Horizontal	
7761.412500	-64.72	-13.00	51.72	Horizontal	

### Main antenna

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

### 7.1.1.2.1 Test Channel = LCH

7.11.11.2.1						
Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization		
39.940000	-74.82	-13.00	61.82	Vertical		
66.493333	-75.86	-13.00	62.86	Vertical		
1279.000000	-66.24	-13.00	53.24	Vertical		
2800.000000	-57.46	-13.00	44.46	Vertical		
4298.212500	-67.09	-13.00	54.09	Vertical		
7836.000000	-64.30	-13.00	51.30	Vertical		
66.260000	-74.35	-13.00	61.35	Horizontal		
612.937500	-77.34	-13.00	64.34	Horizontal		
1103.500000	-66.49	-13.00	53.49	Horizontal		
2691.000000	-57.47	-13.00	44.47	Horizontal		
4998.262500	-66.51	-13.00	53.51	Horizontal		
7934.475000	-64.01	-13.00	51.01	Horizontal		



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### 7.1.1.2.2 Test Channel = MCH

TITILE TOOL CHAINIOI - MOTI					
Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization	
39.566667	-75.36	-13.00	62.36	Vertical	
67.800000	-75.30	-13.00	62.30	Vertical	
282.140000	-76.74	-13.00	63.74	Vertical	
2576.000000	-58.41	-13.00	45.41	Vertical	
3507.487500	-69.00	-13.00	56.00	Vertical	
6890.737500	-65.43	-13.00	52.43	Vertical	
66.306667	-76.48	-13.00	63.48	Horizontal	
780.275000	-76.40	-13.00	63.40	Horizontal	
1685.500000	-64.58	-13.00	51.58	Horizontal	
2632.000000	-58.27	-13.00	45.27	Horizontal	
4384.012500	-67.12	-13.00	54.12	Horizontal	
6691.350000	-65.25	-13.00	52.25	Horizontal	

#### 7.1.1.2.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
40.266667	-76.29	-13.00	63.29	Vertical
69.993333	-75.87	-13.00	62.87	Vertical
633.241667	-75.84	-13.00	62.84	Vertical
1653.000000	-65.06	-13.00	52.06	Vertical
3899.925000	-68.15	-13.00	55.15	Vertical
7221.262500	-65.17	-13.00	52.17	Vertical
65.513333	-75.26	-36.00	39.26	Horizontal
604.045833	-78.03	-36.00	42.03	Horizontal
2467.000000	-58.76	-30.00	28.76	Horizontal
4230.450000	-67.12	-30.00	37.12	Horizontal
6474.412500	-65.23	-30.00	35.23	Horizontal
9847.912500	-64.62	-30.00	34.62	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.



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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
				VL	-2.66	-0.00320	PASS
		LCH	TN	VN	1.42	0.00171	PASS
				VH	-5.23	-0.00629	PASS
				VL	-1.56	-0.00187	PASS
	LTE/TM1 15MHz	MCH	TN	VN	-2.80	-0.00335	PASS
				VH	1.72	0.00206	PASS
				VL	-5.36	-0.00637	PASS
		HCH	TN	VN	-4.90	-0.00582	PASS
				VH	-1.88	-0.00223	PASS
				VL	-4.30	-0.00517	PASS
		LCH	TN	VN	-3.33	-0.00400	PASS
				VH	-4.13	-0.00497	PASS
		МСН	TN	VL	1.20	0.00143	PASS
LTE band26	LTE/TM2 15MHz			VN	-3.99	-0.00477	PASS
				VH	1.63	0.00195	PASS
		нсн	TN	VL	-2.01	-0.00239	PASS
				VN	-6.10	-0.00725	PASS
				VH	5.11	0.00607	PASS
				VL	4.02	0.00483	PASS
		LCH	TN	VN	5.01	0.00603	PASS
				VH	-0.54	-0.00065	PASS
				VL	-1.78	-0.00213	PASS
	LTE/TM3 15MHz	MCH	TN	VN	2.89	0.00346	PASS
				VH	4.01	0.00479	PASS
				VL	-4.02	-0.00478	PASS
		HCH	TN	VN	2.69	0.00320	PASS
				VH	3.84	0.00456	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
				-30	-4.39	-0.00528	PASS
				-20	-2.6	-0.00313	PASS
				-10	-2.47	-0.00297	PASS
				0	1.22	0.00147	PASS
		LCH	VN	10	1.20	0.00144	PASS
				20	3.90	0.00469	PASS
				30	-0.65	-0.00078	PASS
				40	-2.79	-0.00336	PASS
				50	-6.2	-0.00746	PASS
				-30	-5.90	-0.00705	PASS
		МСН	VN	-20	-5.24	-0.00626	PASS
				-10	-3.38	-0.00404	PASS
				0	-1.59	-0.00190	PASS
LTE band26	LTE/TM1 15MHz			10	-2.24	-0.00268	PASS
				20	-3.68	-0.00440	PASS
				30	-3.74	-0.00447	PASS
				40	-4.89	-0.00585	PASS
				50	-5.43	-0.00649	PASS
				-30	-6.65	-0.00790	PASS
				-20	-3.26	-0.00387	PASS
				-10	0.69	0.00082	PASS
				0	-2.48	-0.00295	PASS
		HCH	VN	10	2.46	0.00292	PASS
				20	-0.33	-0.00039	PASS
				30	-2.69	-0.00320	PASS
				40	-4.37	-0.00519	PASS
				50	-3.85	-0.00458	PASS



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	1 ago. 01 01 02						
Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				-30	-3.65	-0.00439	PASS
				-20	-2.46	-0.00296	PASS
				-10	1.27	0.00153	PASS
				0	2.23	0.00268	PASS
		LCH	VN	10	1.76	0.00212	PASS
				20	-0.82	-0.00099	PASS
				30	-3.84	-0.00462	PASS
				40	2.26	0.00272	PASS
				50	-4.82	-0.00580	PASS
				-30	-3.37	-0.00403	PASS
		МСН	VN	-20	-2.63	-0.00314	PASS
				-10	-2.19	-0.00262	PASS
				0	-1.82	-0.00218	PASS
LTE band26	LTE/TM2 15MHz			10	-0.76	-0.00091	PASS
				20	1.24	0.00148	PASS
				30	-2.23	-0.00267	PASS
				40	-6.79	-0.00812	PASS
				50	-5.42	-0.00648	PASS
				-30	-3.47	-0.00412	PASS
				-20	-4.79	-0.00569	PASS
				-10	2.38	0.00283	PASS
				0	-3.58	-0.00425	PASS
		HCH	VN	10	2.29	0.00272	PASS
				20	-1.49	-0.00177	PASS
				30	-3.29	-0.00391	PASS
				40	-4.07	-0.00484	PASS
				50	-4.52	-0.00537	PASS



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Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				-30	-3.67	-0.00441	PASS
				-20	-2.44	-0.00293	PASS
				-10	1.89	0.00227	PASS
				0	2.35	0.00283	PASS
		LCH	VN	10	1.78	0.00214	PASS
				20	-0.89	-0.00107	PASS
				30	-3.83	-0.00461	PASS
				40	2.45	0.00295	PASS
				50	-4.38	-0.00527	PASS
				-30	-3.49	-0.00417	PASS
		MCH	VN	-20	-2.20	-0.00263	PASS
				-10	-2.89	-0.00346	PASS
				0	-1.30	-0.00155	PASS
LTE band26	LTE/TM3 15MHz			10	-0.69	-0.00082	PASS
				20	1.39	0.00166	PASS
				30	-2.20	-0.00263	PASS
				40	-6.50	-0.00777	PASS
				50	-5.97	-0.00714	PASS
				-30	-3.58	-0.00425	PASS
				-20	-4.59	-0.00545	PASS
				-10	2.59	0.00308	PASS
				0	-3.38	-0.00402	PASS
		HCH	VN	10	2.59	0.00308	PASS
				20	-1.26	-0.00150	PASS
				30	-3.38	-0.00402	PASS
				40	-4.69	-0.00557	PASS
				50	-4.38	-0.00520	PASS

The End