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Appendix B

E-UTRA Band 2



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1 Effective (Isotropic) Radiated Power Output Data

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

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	22.17	21.17	33.00	PASS
				RB1#2	22.12	21.12	33.00	PASS
				RB1#5	22.14	21.14	33.00	PASS
			LCH	RB3#0	22.12	21.12	33.00	PASS
				RB3#2	22.12	21.12	33.00	PASS
				RB3#3	22.11	21.11	33.00	PASS
				RB6#0	21.29	20.29	33.00	PASS
				RB1#0	22.10	21.10	33.00	PASS
				RB1#2	22.11	21.11	33.00	PASS
				RB1#5	22.08	21.08	33.00	PASS
BAND2	LTE/TM1	1.4M	MCH	RB3#0	22.06	21.06	33.00	PASS
				RB3#2	22.08	21.08	33.00	PASS
				RB3#3	22.08	21.08	33.00	PASS
				RB6#0	21.17	20.17	33.00	PASS
				RB1#0	22.16	21.16	33.00	PASS
				RB1#2	22.11	21.11	33.00	PASS
				RB1#5	22.16	21.16	33.00	PASS
			НСН	RB3#0	22.16	21.16	33.00	PASS
				RB3#2	22.15	21.15	33.00	PASS
				RB3#3	22.12	21.12	33.00	PASS
				RB6#0	21.18	20.18	33.00	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	21.10	20.10	33.00	PASS
				RB1#2	21.11	20.11	33.00	PASS
				RB1#5	21.17	20.17	33.00	PASS
			LCH	RB3#0	21.14	20.14	33.00	PASS
				RB3#2	21.14	20.14	33.00	PASS
				RB3#3	21.15	20.15	33.00	PASS
				RB6#0	20.11	19.11	33.00	PASS
				RB1#0	21.09	20.09	33.00	PASS
				RB1#2	21.10	20.10	33.00	PASS
				RB1#5	21.08	20.08	33.00	PASS
BAND2	LTE/TM2	1.4M	MCH	RB3#0	21.14	20.14	33.00	PASS
				RB3#2	21.10	20.10	33.00	PASS
				RB3#3	21.11	20.11	33.00	PASS
				RB6#0	20.07	19.07	33.00	PASS
				RB1#0	21.14	20.14	33.00	PASS
				RB1#2	21.07	20.07	33.00	PASS
				RB1#5	21.08	20.08	33.00	PASS
			НСН	RB3#0	21.10	20.10	33.00	PASS
				RB3#2	21.08	20.08	33.00	PASS
				RB3#3	21.09	20.09	33.00	PASS
				RB6#0	20.15	19.15	33.00	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	22.10	21.10	33.00	PASS
				RB1#7	22.10	21.10	33.00	PASS
				RB1#14	22.10	21.10	33.00	PASS
			LCH	RB8#0	21.20	20.20	33.00	PASS
				RB8#4	21.18	20.18	33.00	PASS
				RB8#7	21.22	20.22	33.00	PASS
				RB15#0	21.20	20.20	33.00	PASS
				RB1#0	22.05	21.05	33.00	PASS
				RB1#7	22.03	21.03	33.00	PASS
				RB1#14	22.08	21.08	33.00	PASS
BAND2	LTE/TM1	ЗМ	МСН	RB8#0	21.09	20.09	33.00	PASS
				RB8#4	21.09	20.09	33.00	PASS
				RB8#7	21.09	20.09	33.00	PASS
				RB15#0	21.13	20.13	33.00	PASS
				RB1#0	22.12	21.12	33.00	PASS
				RB1#7	22.07	21.07	33.00	PASS
				RB1#14	22.09	21.09	33.00	PASS
			НСН	RB8#0	21.17	20.17	33.00	PASS
				RB8#4	21.12	20.12	33.00	PASS
				RB8#7	21.13	20.13	33.00	PASS
				RB15#0	21.14	20.14	33.00	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	21.13	20.13	33.00	PASS
				RB1#7	21.09	20.09	33.00	PASS
				RB1#14	21.04	20.04	33.00	PASS
			LCH	RB8#0	20.23	19.23	33.00	PASS
				RB8#4	20.22	19.22	33.00	PASS
				RB8#7	20.19	19.19	33.00	PASS
				RB15#0	20.22	19.22	33.00	PASS
				RB1#0	21.06	20.06	33.00	PASS
				RB1#7	21.05	20.05	33.00	PASS
				RB1#14	21.06	20.06	33.00	PASS
BAND2	LTE/TM2	ЗM	МСН	RB8#0	20.16	19.16	33.00	PASS
				RB8#4	20.16	19.16	33.00	PASS
				RB8#7	20.16	19.16	33.00	PASS
				RB15#0	20.15	19.15	33.00	PASS
				RB1#0	21.05	20.05	33.00	PASS
				RB1#7	21.06	20.06	33.00	PASS
				RB1#14	21.06	20.06	33.00	PASS
			НСН	RB8#0	20.26	19.26	33.00	PASS
				RB8#4	20.21	19.21	33.00	PASS
				RB8#7	20.25	19.25	33.00	PASS
				RB15#0	20.21	19.21	33.00	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	22.13	21.13	33.00	PASS
				RB1#13	22.16	21.16	33.00	PASS
				RB1#24	22.04	21.04	33.00	PASS
			LCH	RB12#0	21.22	20.22	33.00	PASS
				RB12#6	21.22	20.22	33.00	PASS
				RB12#13	21.21	20.21	33.00	PASS
				RB25#0	21.28	20.28	33.00	PASS
				RB1#0	22.11	21.11	33.00	PASS
				RB1#13	22.10	21.10	33.00	PASS
				RB1#24	22.15	21.15	33.00	PASS
BAND2	LTE/TM1	5M	МСН	RB12#0	21.12	20.12	33.00	PASS
				RB12#6	21.16	20.16	33.00	PASS
				RB12#13	21.16	20.16	33.00	PASS
				RB25#0	21.12	20.12	33.00	PASS
				RB1#0	22.14	21.14	33.00	PASS
				RB1#13	22.15	21.15	33.00	PASS
				RB1#24	22.14	21.14	33.00	PASS
			HCH	RB12#0	21.17	20.17	33.00	PASS
				RB12#6	21.19	20.19	33.00	PASS
				RB12#13	21.21	20.21	33.00	PASS
				RB25#0	21.23	20.23	33.00	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	21.16	20.16	33.00	PASS
				RB1#13	21.15	20.15	33.00	PASS
				RB1#24	21.03	20.03	33.00	PASS
			LCH	RB12#0	20.28	19.28	33.00	PASS
				RB12#6	20.29	19.29	33.00	PASS
				RB12#13	20.26	19.26	33.00	PASS
				RB25#0	20.27	19.27	33.00	PASS
				RB1#0	21.05	20.05	33.00	PASS
				RB1#13	21.07	20.07	33.00	PASS
				RB1#24	21.11	20.11	33.00	PASS
BAND2	LTE/TM2	5M	МСН	RB12#0	20.17	19.17	33.00	PASS
				RB12#6	20.22	19.22	33.00	PASS
				RB12#13	20.23	19.23	33.00	PASS
				RB25#0	20.18	19.18	33.00	PASS
				RB1#0	21.06	20.06	33.00	PASS
				RB1#13	21.10	20.10	33.00	PASS
				RB1#24	21.07	20.07	33.00	PASS
			HCH	RB12#0	20.25	19.25	33.00	PASS
				RB12#6	20.27	19.27	33.00	PASS
				RB12#13	20.30	19.30	33.00	PASS
				RB25#0	20.25	19.25	33.00	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	22.15	21.15	33.00	PASS
				RB1#25	22.04	21.04	33.00	PASS
				RB1#49	22.11	21.11	33.00	PASS
			LCH	RB25#0	21.26	20.26	33.00	PASS
				RB25#13	21.17	20.17	33.00	PASS
				RB25#25	21.16	20.16	33.00	PASS
				RB50#0	21.25	20.25	33.00	PASS
				RB1#0	22.12	21.12	33.00	PASS
				RB1#25	22.09	21.09	33.00	PASS
				RB1#49	22.07	21.07	33.00	PASS
BAND2	LTE/TM1	10M	МСН	RB25#0	21.16	20.16	33.00	PASS
				RB25#13	21.18	20.18	33.00	PASS
				RB25#25	21.24	20.24	33.00	PASS
				RB50#0	21.16	20.16	33.00	PASS
				RB1#0	22.16	21.16	33.00	PASS
				RB1#25	22.15	21.15	33.00	PASS
				RB1#49	22.19	21.19	33.00	PASS
			НСН	RB25#0	21.13	20.13	33.00	PASS
				RB25#13	21.14	20.14	33.00	PASS
				RB25#25	21.14	20.14	33.00	PASS
				RB50#0	21.16	20.16	33.00	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	21.14	20.14	33.00	PASS
				RB1#25	21.07	20.07	33.00	PASS
				RB1#49	21.12	20.12	33.00	PASS
			LCH	RB25#0	20.31	19.31	33.00	PASS
				RB25#13	20.16	19.16	33.00	PASS
				RB25#25	20.18	19.18	33.00	PASS
				RB50#0	20.22	19.22	33.00	PASS
				RB1#0	21.04	20.04	33.00	PASS
				RB1#25	21.11	20.11	33.00	PASS
				RB1#49	21.03	20.03	33.00	PASS
BAND2	LTE/TM2	10M	MCH	RB25#0	20.23	19.23	33.00	PASS
				RB25#13	20.18	19.18	33.00	PASS
				RB25#25	20.20	19.20	33.00	PASS
				RB50#0	20.16	19.16	33.00	PASS
				RB1#0	21.14	20.14	33.00	PASS
				RB1#25	21.06	20.06	33.00	PASS
				RB1#49	21.11	20.11	33.00	PASS
			НСН	RB25#0	20.22	19.22	33.00	PASS
				RB25#13	20.29	19.29	33.00	PASS
				RB25#25	20.31	19.31	33.00	PASS
				RB50#0	20.25	19.25	33.00	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	22.20	21.20	33.00	PASS
				RB1#38	22.18	21.18	33.00	PASS
				RB1#74	22.20	21.20	33.00	PASS
			LCH	RB36#0	21.18	20.18	33.00	PASS
				RB36#18	21.18	20.18	33.00	PASS
				RB36#39	21.28	20.28	33.00	PASS
				RB75#0	21.30	20.30	33.00	PASS
				RB1#0	22.14	21.14	33.00	PASS
BAND2				RB1#38	22.11	21.11	33.00	PASS
				RB1#74	22.12	21.12	33.00	PASS
	LTE/TM1	15M	MCH	RB36#0	21.16	20.16	33.00	PASS
				RB36#18	21.18	20.18	33.00	PASS
				RB36#39	21.06	20.06	33.00	PASS
				RB75#0	21.15	20.15	33.00	PASS
				RB1#0	22.17	21.17	33.00	PASS
				RB1#38	22.10	21.10	33.00	PASS
				RB1#74	22.18	21.18	33.00	PASS
			HCH	RB36#0	21.13	20.13	33.00	PASS
				RB36#18	21.12	20.12	33.00	PASS
				RB36#39	21.14	20.14	33.00	PASS
				RB75#0	21.09	20.09	33.00	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	21.15	20.15	33.00	PASS
				RB1#38	21.16	20.16	33.00	PASS
				RB1#74	21.11	20.11	33.00	PASS
			LCH	RB36#0	20.20	19.20	33.00	PASS
				RB36#18	20.13	19.13	33.00	PASS
				RB36#39	20.22	19.22	33.00	PASS
				RB75#0	20.24	19.24	33.00	PASS
				RB1#0	21.10	20.10	33.00	PASS
BAND2				RB1#38	21.09	20.09	33.00	PASS
				RB1#74	21.05	20.05	33.00	PASS
	LTE/TM2	15M	MCH	RB36#0	20.11	19.11	33.00	PASS
				RB36#18	20.16	19.16	33.00	PASS
				RB36#39	20.12	19.12	33.00	PASS
				RB75#0	20.19	19.19	33.00	PASS
				RB1#0	21.18	20.18	33.00	PASS
				RB1#38	21.05	20.05	33.00	PASS
				RB1#74	21.10	20.10	33.00	PASS
			HCH	RB36#0	20.20	19.20	33.00	PASS
				RB36#18	20.11	19.11	33.00	PASS
				RB36#39	20.22	19.22	33.00	PASS
				RB75#0	20.16	19.16	33.00	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	22.17	21.17	33.00	PASS
				RB1#50	22.13	21.13	33.00	PASS
				RB1#99	22.15	21.15	33.00	PASS
			LCH	RB50#0	21.26	20.26	33.00	PASS
				RB50#25	21.20	20.20	33.00	PASS
				RB50#50	21.14	20.14	33.00	PASS
				RB100#0	21.25	20.25	33.00	PASS
				RB1#0	22.21	21.21	33.00	PASS
				RB1#50	22.10	21.10	33.00	PASS
				RB1#99	22.14	21.14	33.00	PASS
BAND2	LTE/TM1	20M	МСН	RB50#0	21.34	20.34	33.00	PASS
				RB50#25	21.27	20.27	33.00	PASS
				RB50#50	21.29	20.29	33.00	PASS
				RB100#0	21.27	20.27	33.00	PASS
				RB1#0	22.18	21.18	33.00	PASS
				RB1#50	22.12	21.12	33.00	PASS
				RB1#99	22.16	21.16	33.00	PASS
			НСН	RB50#0	21.18	20.18	33.00	PASS
				RB50#25	21.18	20.18	33.00	PASS
				RB50#50	21.12	20.12	33.00	PASS
				RB100#0	21.18	20.18	33.00	PASS



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Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	21.17	20.17	33.00	PASS
				RB1#50	21.18	20.18	33.00	PASS
				RB1#99	21.14	20.14	33.00	PASS
			LCH	RB50#0	20.31	19.31	33.00	PASS
				RB50#25	20.26	19.26	33.00	PASS
				RB50#50	20.22	19.22	33.00	PASS
				RB100#0	20.28	19.28	33.00	PASS
				RB1#0	21.22	20.22	33.00	PASS
		I2 20M	RB1#5021.1020.1020MRB1#9921.1220.12MCHRB50#020.2119.21RB50#2520.1619.16RB50#5020.1419.14RB100#020.2219.22RB1#021.1720.17	RB1#50	21.10	20.10	33.00	PASS
				RB1#99	21.12	20.12	33.00	PASS
BAND2	LTE/TM2			RB50#0	20.21	19.21	33.00	PASS
				RB50#25	20.16	19.16	33.00	PASS
				RB50#50	20.14	19.14	33.00	PASS
				RB100#0	20.22	19.22	33.00	PASS
				33.00	PASS			
				RB1#50	21.11	20.11	33.00	PASS
				RB1#99	21.14	20.14	33.00	PASS
			НСН	RB50#0	20.25	19.25	33.00	PASS
				RB50#25	20.24	19.24	33.00	PASS
				RB50#50	20.24	19.24	33.00	PASS
				RB100#0	20.21	19.21	33.00	PASS

Note:

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

EIRP [dBm] = SGP [dBm] – Cable Loss [dB] + Gain [dBi]

b: SGP=Signal Generator Level

c: RBW > emission bandwidth, VBW > $3 \times RBW$.

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	4.12	13	PASS
	TM1/20M	MCH	4.52	13	PASS
Dond 2		НСН	4.46	13	PASS
Band 2	TM2/20M	LCH	5.07	13	PASS
		MCH	5.39	13	PASS
		НСН	5.25	13	PASS



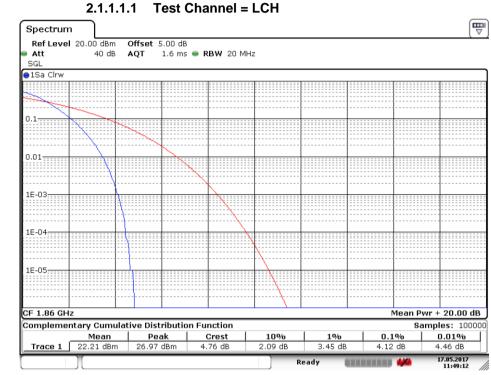
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Part II - Test Plots

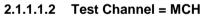
2.1 For LTE

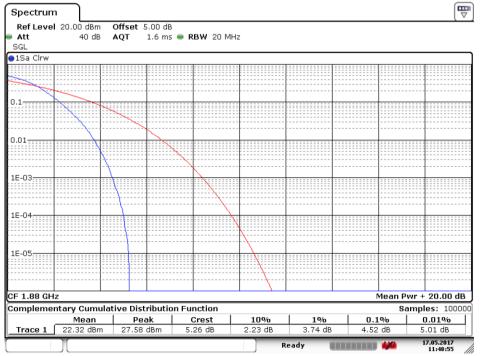
2.1.1 Test Band = LTE band2

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



Date: 17.MAY.2017 11:49:13

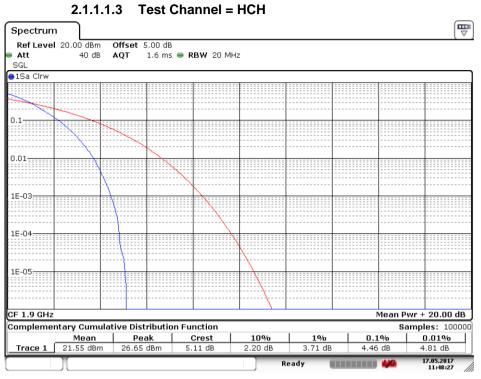




Date: 17.MAY.2017 11:48:55

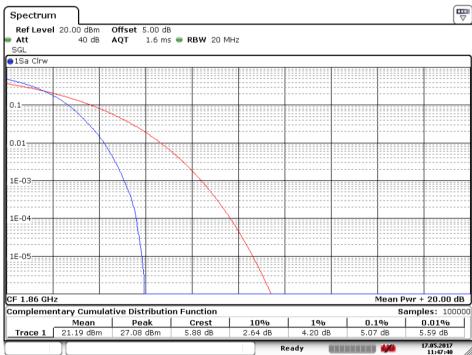


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Date: 17.MAY.2017 11:48:28

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

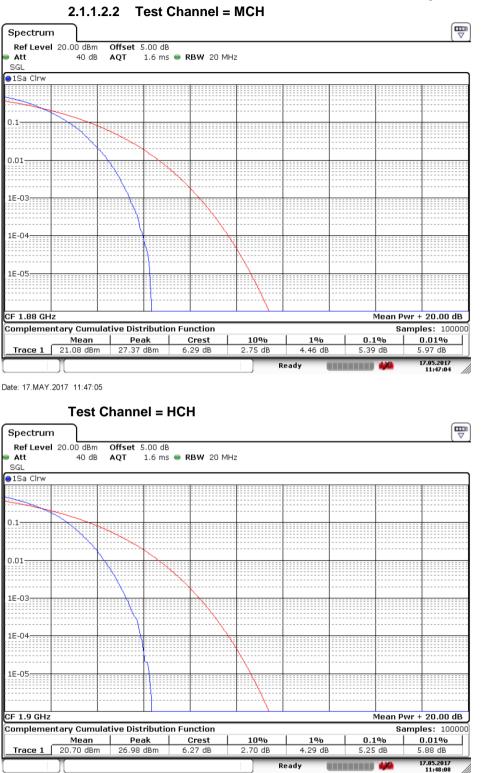


2.1.1.2.1 Test Channel = LCH

Date: 17.MAY.2017 11:47:41



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Date: 17.MAY.2017 11:48:08



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3 Modulation Characteristics

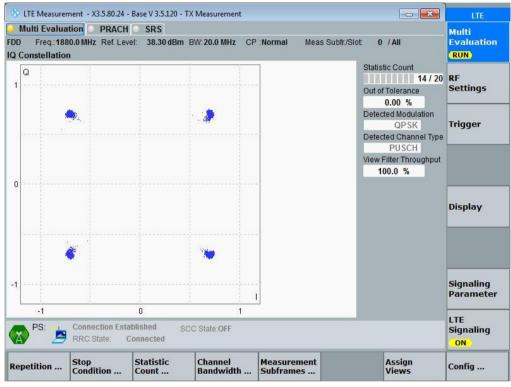
Part I - Test Plots

3.1 For LTE

3.1.1 Test Band = LTE band2

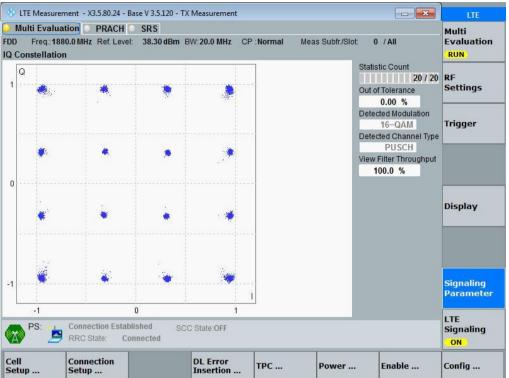
3.1.1.1 Test Mode = LTE /TM1 20MHz

3.1.1.1.1 Test Channel = MCH





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3.1.1.2 Test Mode = LTE /TM2 20MHz

3.1.1.2.1 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	1.40	PASS
	TM1/1.4MHz	MCH	1.11	1.35	PASS
		HCH	1.11	1.34	PASS
		LCH	1.11	1.32	PASS
	TM2/1.4MHz	MCH	1.11	1.34	PASS
		HCH	1.11	1.35	PASS
		LCH	2.70	2.98	PASS
	TM1/3MHz	MCH	2.69	2.93	PASS
		HCH	2.69	3.01	PASS
		LCH	2.69	2.95	PASS
	TM2/3MHz	MCH	2.69	2.99	PASS
		HCH	2.69	2.97	PASS
		LCH	4.48	4.92	PASS
	TM1/5MHz	MCH	4.50	4.99	PASS
		HCH	4.49	5.68	PASS
		LCH	4.49	4.98	PASS
	TM2/ 5MHz	MCH	4.50	4.99	PASS
		HCH	4.49	4.95	PASS
Band 2		LCH	8.95	9.79	PASS
	TM1/10MHz	MCH	8.95	9.97	PASS
		HCH	8.97	11.93	PASS
		LCH	8.95	9.85	PASS
	TM2/ 10MHz	MCH	8.95	9.67	PASS
		HCH	8.97	11.37	PASS
		LCH	13.52	16.42	PASS
	TM1/ 15MHz	MCH	13.49	14.80	PASS
		HCH	13.64	20.98	PASS
		LCH	13.58	17.53	PASS
	TM2/ 15MHz	MCH	13.49	14.74	PASS
		HCH	13.64	20.86	PASS
		LCH	18.02	22.14	PASS
	TM1/20MHz	MCH	17.86	19.26	PASS
		HCH	18.06	22.49	PASS
		LCH	18.02	22.30	PASS
	TM2/ 20MHz	MCH	17.86	19.34	PASS
		HCH	18.10	24.18	PASS



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4.1 For LTE

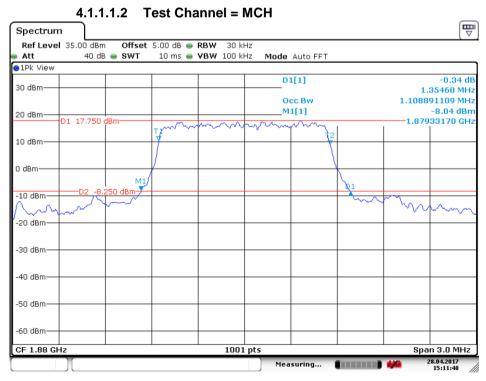
4.1.1 Test Band = LTE band2

4.1.1.1 Test Mode = LTE/TM1 1.4MHz

4.1.1.1.1 Test Channel = LCH

Ref Leve Att	1 35.00 d	Bm Offs dB 🕳 SW1	et 5.00 dB 👄	RBW 30 kHz VBW 100 kHz	Mada Auto FFT		
1Pk View	40	ub 🖶 5WI	10 ms 🖷	YBW IUU KHZ	Mode Auto FFT		
30 dBm					D1[1] Occ Bw		-0.27 c 1.39660 MI 1.105894106 MI
20 dBm	D1 17.62	0 dBm		n- 1-0000	M1[1]		-8.34 dB -1.84997770 G
10 dBm			1			2	
0 dBm							
-10 dBm— -20 dBm—	D2 .	-8.380 dBm					- man
-30 dBm—							
-40 dBm—							
-50 dBm—							
-60 dBm—							
CF 1.8507	GHz			1001 pt	s	1	Span 3.0 MH

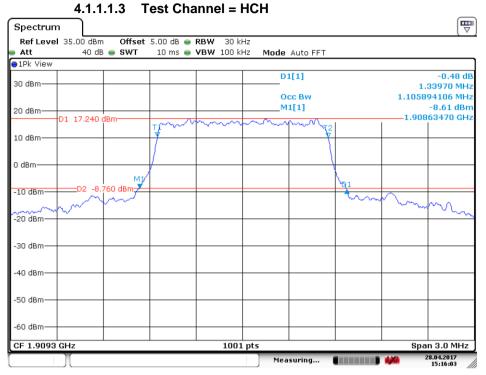
Date: 28.APR.2017 15:14:58



Date: 28.APR.2017 15:11:49



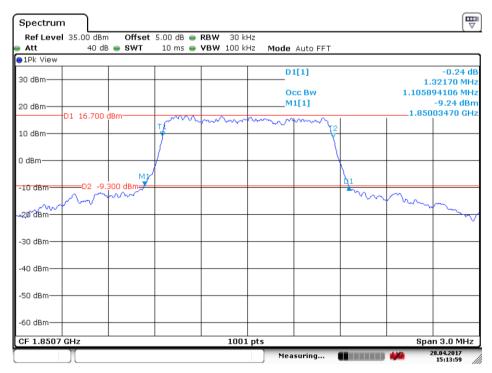
Report No.: SZEM171001110301 Page: 23 of 73



Date: 28.APR.2017 15:16:03

4.1.1.2 Test Mode = LTE/TM2 1.4MHz

4.1.1.2.1 Test Channel = LCH



Date: 28.APR.2017 15:13:59



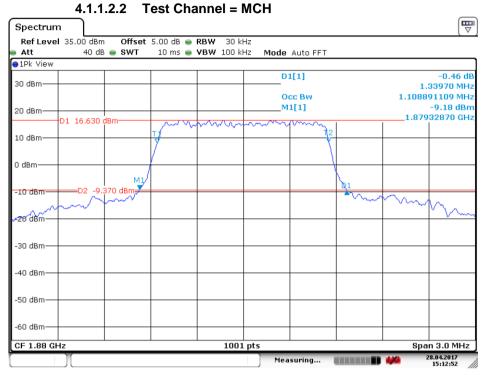
Report No.: SZEM171001110301 24 of 73 Page:

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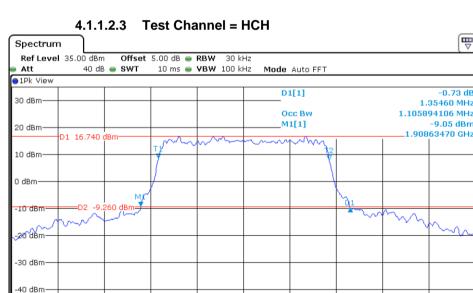
-0.73 dB

-9.05 dBm

Span 3.0 MHz 28.04.2017 15:17:11



Date: 28.APR.2017 15:12:52



1001 pts

Measuring...

Date: 28.APR.2017 15:17:11

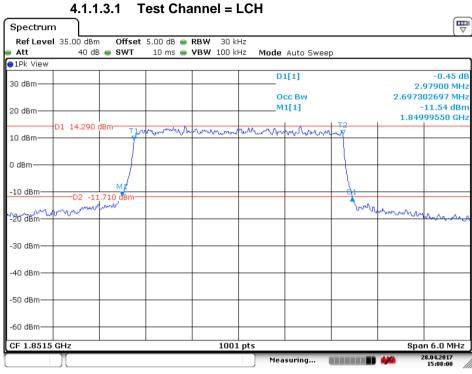
-50 dBm

-60 dBm CF 1.9093 GHz

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4.1.1.3 Test Mode = LTE/TM1 3MHz

Date: 28.APR.2017 15:08:00

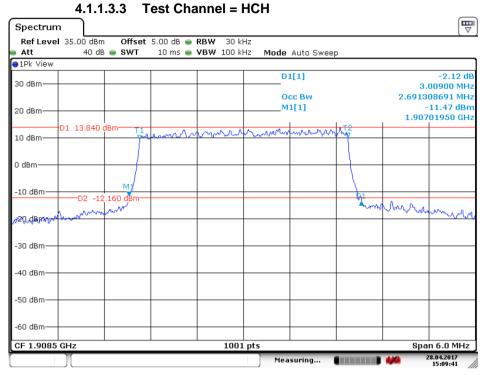


Spectrum									
Ref Level 35 Att	.00 dBm 40 dB e		5.00 dB 👄 10 ms 👄	RBW 30 k VBW 100 k		Auto Swee	p		
⊜1Pk View									
30 dBm						1[1] cc Bw			-0.52 dB 92510 MHz 14685 MHz
20 dBm	15.750 dBr				M	1[1]			-9.59 dBm 54350 GHz
10 dBm	13.730 481	" <u>T</u> 1A	hunn	munt	molon	home	WT2		
0 dBm									
- 10 dBm	-D2 -10.25	M1 50 dBm					di tana	mm	
୷ୖଌD•dBìth ^{uch} AA.	enne							000 0000 MO	Martin
-30 dBm									
-40 dBm									
-50 dBm									
-60 dBm									
CF 1.88 GHz				100:	L pts				n 6.0 MHz
					Mea	suring		4/4 2	8.04.2017 15:03:44

Date: 28.APR.2017 15:03:44

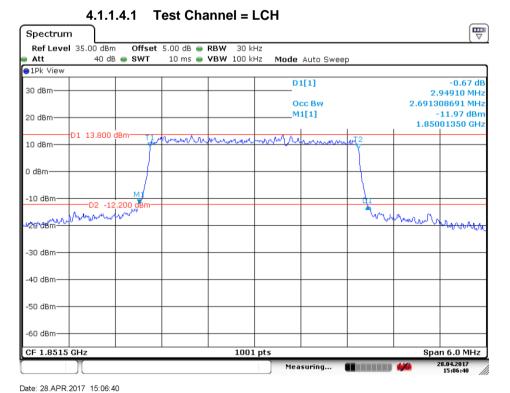


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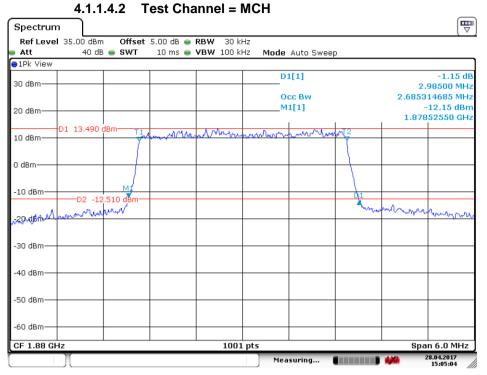
Date: 28.APR.2017 15:09:41

4.1.1.4 Test Mode = LTE/TM2 3MHz



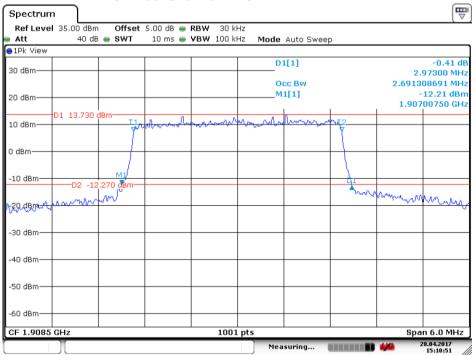


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Date: 28.APR.2017 15:05:04

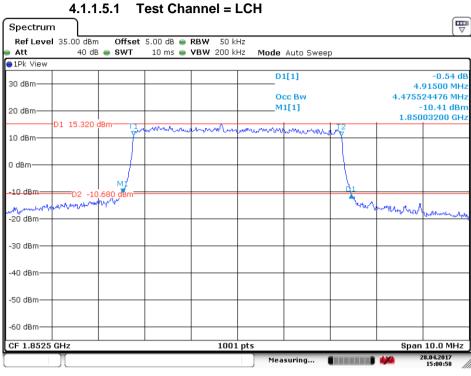




Date: 28.APR.2017 15:10:51



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4.1.1.5 Test Mode = LTE/TM1 5MHz

Date: 28.APR.2017 15:00:59

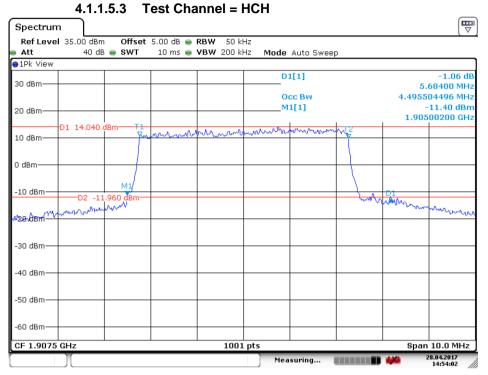


	el 35.00 dBm		5.00 dB 👄						
Att 1Pk View	40 dB	8 👄 SWT	10 ms 👄	VBW 200 ki	Hz Mode	Auto Swee	р		
30 dBm						1[1] cc Bw			-0.53 d 98500 MH 04496 MH
20 dBm		dBm T1			M	1[1]	1 72	-	11.64 dB
10 dBm	D1 14.210		man	and the second	www	www	NY I		
0 dBm									
-10 dBm-	D2 -11	M1/ L.790 dBm					di ho	mar	umn
-30 dBm									
-30 UBIII									
-50 dBm									
-60 dBm—									
CF 1.88 G	Hz			1001	pts			Span	10.0 MHz
					Mea	suring		2 🧰 2	28.04.2017 14:58:45

Date: 28.APR.2017 14:58:45

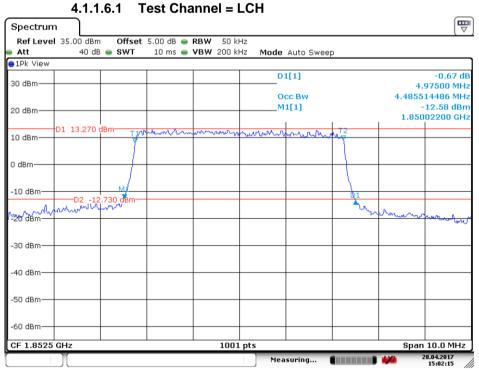


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Date: 28.APR.2017 14:54:02

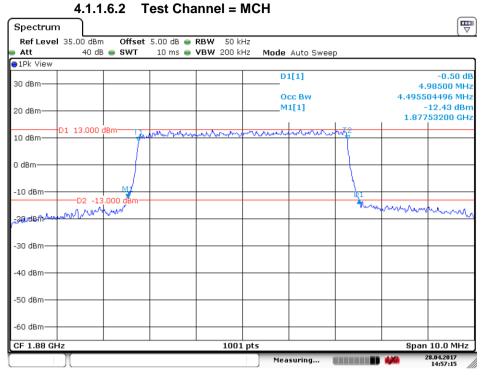
4.1.1.6 Test Mode = LTE/TM2 5MHz



Date: 28.APR.2017 15:02:15

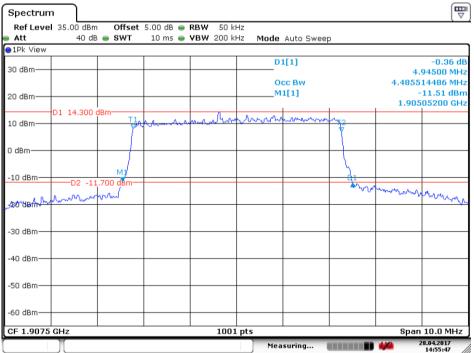


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Date: 28.APR.2017 14:57:16

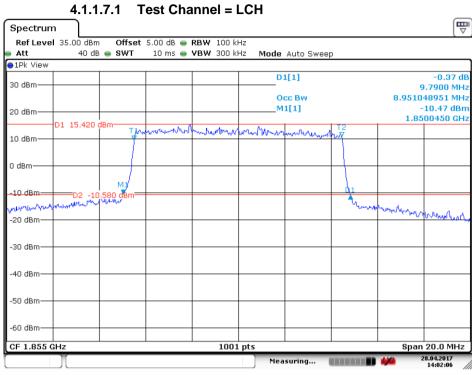




Date: 28.APR.2017 14:55:47



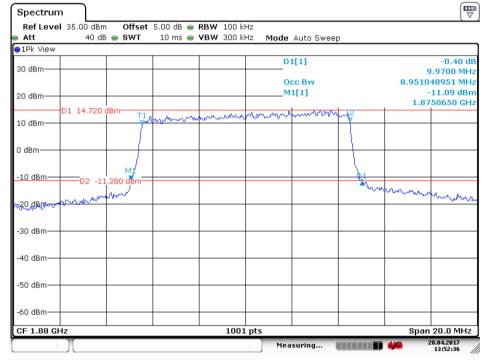
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4.1.1.7 Test Mode = LTE/TM1 10MHz

Date: 28.APR.2017 14:02:06

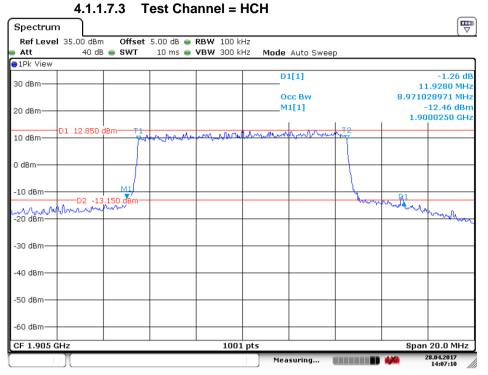




Date: 28.APR.2017 13:52:36

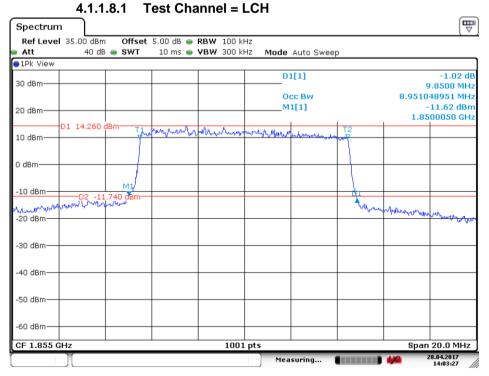


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Date: 28.APR.2017 14:07:10

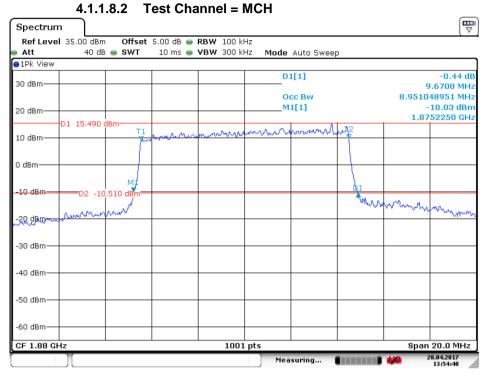
4.1.1.8 Test Mode = LTE/TM2 10MHz



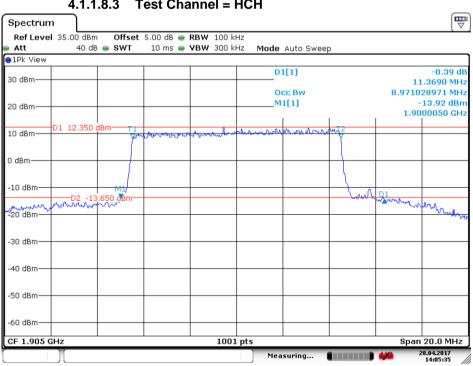
Date: 28.APR.2017 14:03:27



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Date: 28.APR.2017 13:54:41



4.1.1.8.3 Test Channel = HCH

Date: 28.APR.2017 14:05:36

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4.1.1.9.1 Test Channel = LCH Spectrum Ref Level 35.00 dBm Offset 5.00 dB 👄 RBW 300 kHz Att 40 dB 👄 SWT 10 ms 👄 VBW 1 MHz Mode Auto Sweep ●1Pk View D1[1] -0.16 dB 30 dBm 16.4240 MHz Occ Bw 13.516483516 MHz M1[1] -7.58 dBm 20 dBm D1 18.140 1.8484790 GHz dBm 10 dBm 0 dBm М _10/d8m+ -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm CF 1.8575 GHz 1001 pts Span 30.0 MHz 8.04.2017 14:13:38 Measuring...

4.1.1.9 Test Mode = LTE/TM1 15MHz

Date: 28.APR.2017 14:13:38

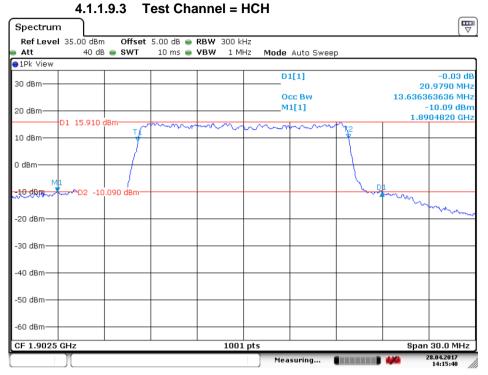


Spectrum					
Ref Level 35.00		3 👄 RBW 300 kHz			\
	10 dB 👄 SWT 10 m	s 👄 VBW 1 MHz	Mode Auto Swee	p	
●1Pk View					
30 dBm			D1[1]		-0.93 dE 14.7950 MH
			Occ Bw		13.486513487 MH
20 dBm 10			M1[1]		-7.12 dBn
D1 18.	750 dBm	man	man	m72 1	1.8726570 GH
	Them			¥ I	
10 dBm					
0 dBm					
	2 -7.250 dBm			dı	
-10 dBm	: -7.250 UBII			Ann	
naw	mound				- man have a
-20 dBm					
-30 dBm					
-30 ubiii					
-40 dBm					
-50 dBm					
-60 dBm					
CF 1.88 GHz		1001 p			Span 30.0 MHz
GF 1.00 GH2		1001 p			28.04.2017
			Measuring		14:08:55

Date: 28.APR.2017 14:08:55

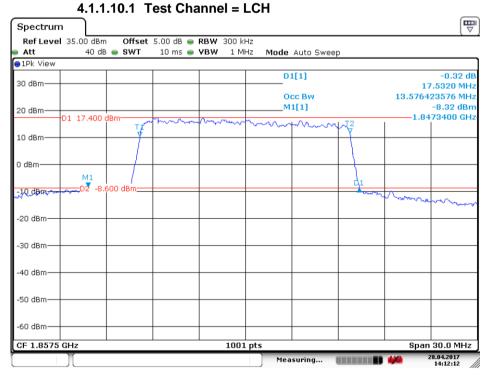


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Date: 28.APR.2017 14:15:41

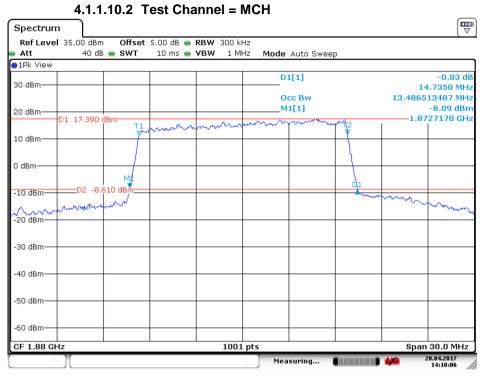
4.1.1.10 Test Mode = LTE/TM2 15MHz



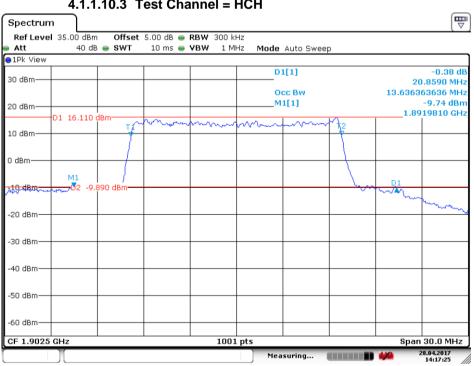
Date: 28.APR.2017 14:12:12



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Date: 28.APR.2017 14:10:07



4.1.1.10.3 Test Channel = HCH

Date: 28.APR.2017 14:17:26

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4.1.1.11.1 Test Channel = LCH ₩ Spectrum Ref Level 35.00 dBm Offset 5.00 dB 👄 RBW 300 kHz Att 40 dB 👄 SWT 10 ms 👄 VBW 1 MHz Mode Auto Sweep ●1Pk View D1[1] -0.95 dB 30 dBm 23.1370 MHz Occ Bw 18.021978022 MHz M1[1] -9.70 dBm 20 dBm 1.8467330 GHz D1 16.100 mann 10 dBm· 0 dBm M1 ₽2₹-9 -10 dBm 900 dBm -20 dBm -30 dBm -40 dBm -50 dBm -60 dBm CF 1.86 GHz 1001 pts Span 40.0 MHz 8.04.2017 14:22:21 Measuring...

4.1.1.11 Test Mode = LTE/TM1 20MHz

Date: 28.APR.2017 14:22:22

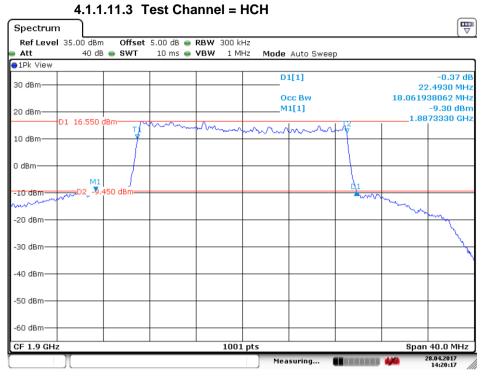


Spectrum	Γ								
Ref Level	1 35.00 dBm 40 dF	n Offset 3 e SWT	5.00 dB 👄 10 ms 👄	RBW 300 ki VBW 1 Mi		Auto Swee	n		
●1Pk View					in mouo	1400 01100	٢		
30 dBm						1[1] cc Bw			-0.75 dE .2610 MH; 37862 MH;
20 dBm	D1 17.770				M	1[1]	.AT2		-7.56 dBn 04500 GH:
10 dBm		71 74	man	p					
0 dBm		м					$\left \right\rangle$		
-10 dBm		230 dBm					11 mm	www.	
~20-d8m/~~~	mm							~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
-30 dBm									
-40 dBm—									
-50 dBm									
-60 dBm									
CF 1.88 GH	lz			1001		_			40.0 MHz
					Mea	suring		4/4	15:18:40

Date: 28.APR.2017 15:18:40



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Date: 28.APR.2017 14:20:17

4.1.1.12 Test Mode = LTE/TM2 20MHz



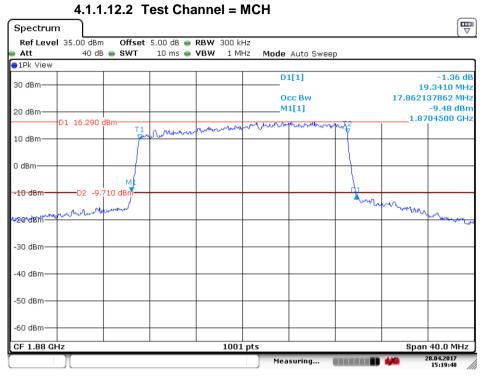
4.1.1.12.1 Test Channel = LCH

Date: 28.APR.2017 15:21:44

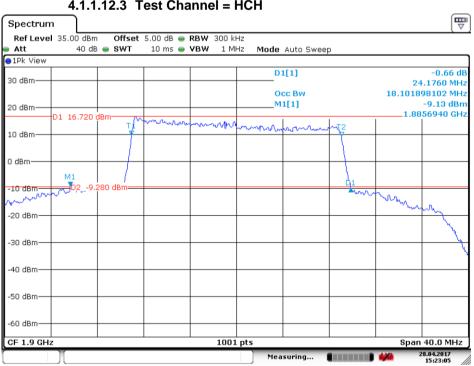
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Date: 28.APR.2017 15:19:49



4.1.1.12.3 Test Channel = HCH

Date: 28.APR.2017 15:23:05

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5 Band Edges Compliance

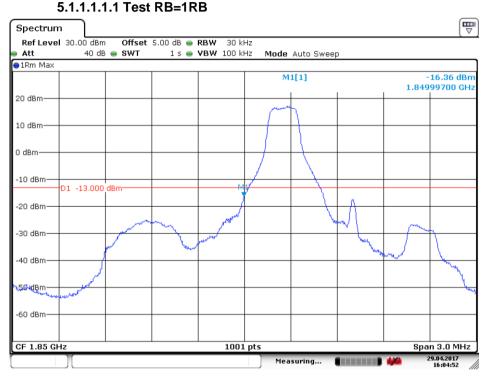
Part I –

5.1 For LTE

5.1.1 Test Band = LTE band2

5.1.1.1 Test Mode = LTE/TM1 1.4MHz

5.1.1.1.1 Test Channel = LCH



Date: 29.APR.2017 16:04:53



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5.1.1.1.1.2 Test RB=6RB B Spectrum Ref Level 30.00 dBm Offset 5.00 dB 👄 RBW 30 kHz Att 40 dB 👄 SWT 1 s 👄 **VBW** 100 kHz Mode Auto Sweep ●1Rm Max M1[1] -18.15 dBn 1.84999700 GH 20 dBm 10 dBm 0 dBm--10 dBm D1 -13.000 dBm--20 dBm -30 dBm--40 dBm -50 dBm -60 dBm 1001 pts Span 3.0 MHz CF 1.85 GHz 29.04.2017 16:06:32 Measuring...

Date: 29.APR.2017 16:06:32



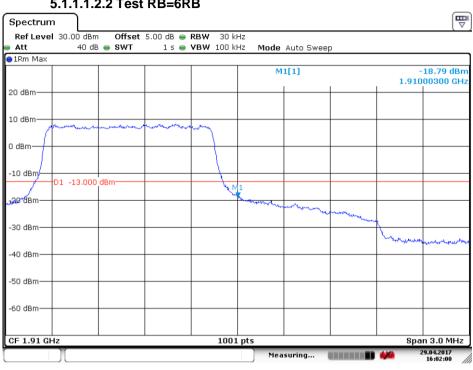


5.1.1.1.2.1 Test RB=1RB

Date: 29.APR.2017 16:03:53



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Date: 29.APR.2017 16:02:00

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 ₽ Spectrum Offset 5.00 dB RBW 30 kHz Ref Level 30.00 dBm 40 dB 🔵 SWT 1 s 👄 **VBW** 100 kHz Att Mode Auto Sweep ■1Rm Max M1[1] -16.15 dBn 1.84999700 GHz 20 dBm· 10 dBm· 0 dBm--10 dBm D1 -13.000 dBm--20 dBm -30 dBm -40 dBm 50 dam -60 dBm CF 1.85 GHz 1001 pts Span 3.0 MHz 29.04.2017 16:05:30 Measuring...

Date: 29.APR.2017 16:05:30

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5.1.1.1.2.2 Test RB=6RB

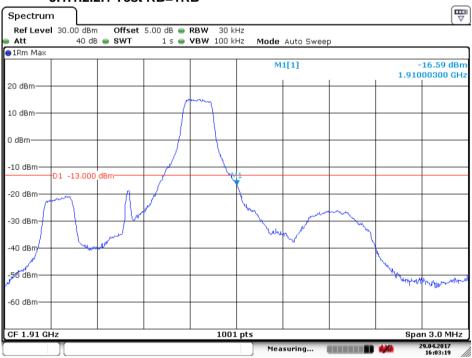


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5.1.1.2.1.2 Test RB=6RB B Spectrum Ref Level 30.00 dBm Offset 5.00 dB 👄 RBW 30 kHz Att 40 dB 👄 SWT 1 s 👄 **VBW** 100 kHz Mode Auto Sweep ●1Rm Max M1[1] -18.15 dBn 1.84999700 GH 20 dBm 10 dBm 0 dBm--10 dBm D1 -13.000 dBm--20 dBm -30 dBm--40 dBm -50 dBm -60 dBm 1001 pts Span 3.0 MHz CF 1.85 GHz 29.04.2017 16:06:32 Measuring...

Date: 29.APR.2017 16:06:32





5.1.1.2.2.1 Test RB=1RB

Date: 29.APR.2017 16:03:19



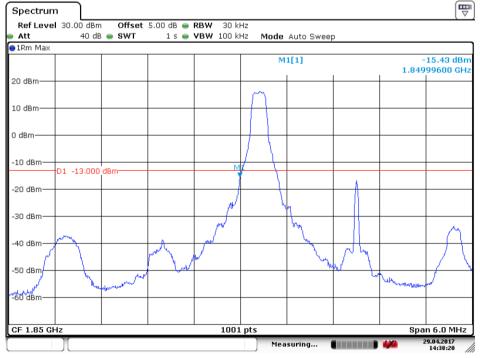
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B Spectrum Ref Level 30.00 dBm Offset 5.00 dB 👄 RBW 30 kHz Att 40 dB 👄 SWT 1 s 👄 **VBW** 100 kHz Mode Auto Sweep ⊖1Rm Ma M1[1] -20.11 dBn 1.91000300 GH 20 dBm 10 dBm· 0 dBm--10 dBm D1 -13.000 dBm--20 dBm -30 dBm--40 dBm -50 dBm -60 dBm 1001 pts Span 3.0 MHz CF 1.91 GHz 29.04.2017 16:02:43 Measuring... 1

Date: 29.APR.2017 16:02:43

5.1.1.3 Test Mode = LTE/TM1 3MHz 5.1.1.3.1 Test Channel = LCH

5.1.1.3.1.1 Test RB=1RB



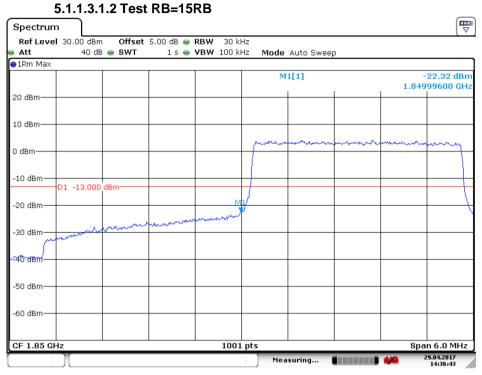
Date: 29.APR.2017 14:38:20

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5.1.1.2.2.2 Test RB=6RB

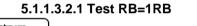


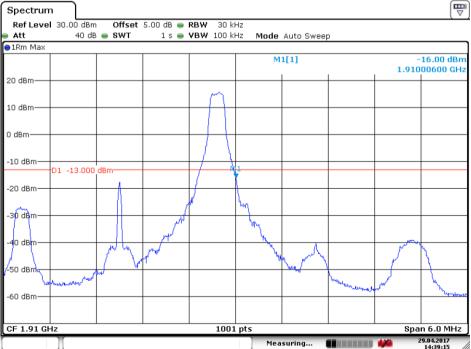
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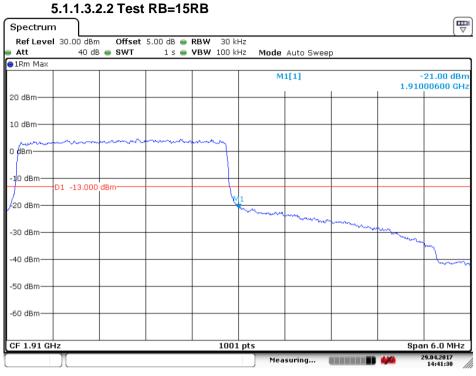




Date: 29.APR.2017 14:39:16



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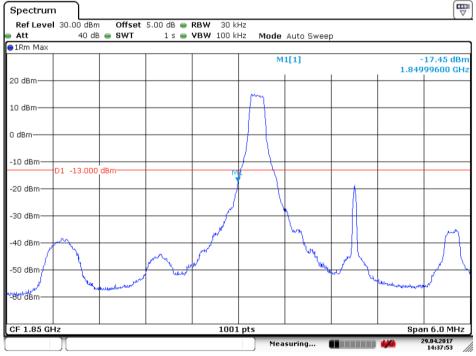


Date: 29.APR.2017 14:41:31

5.1.1.4 Test Mode = LTE/TM2 3MHz

5.1.1.4.1 Test Channel = LCH

5.1.1.4.1.1 Test RB=1RB



Date: 29.APR.2017 14:37:53