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Appendix B

E-UTRA Band 12



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1 Effective (Isotropic) Radiated Power Output Data

Effective Radiated Power of Transmitter (ERP) for LTE BAND 12

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
				RB1#0	21.16	20.16	34.77	PASS
				RB1#2	21.17	20.17	34.77	PASS
				RB1#5	21.15	20.15	34.77	PASS
			LCH	RB3#0	21.16	20.16	34.77	PASS
				RB3#2	21.14	20.14	34.77	PASS
				RB3#3	21.15	20.15	34.77	PASS
	LTE/TM1	1.4M		RB6#0	20.31	19.31	34.77	PASS
			мсн	RB1#0	20.98	19.98	34.77	PASS
				RB1#2	20.93	19.93	34.77	PASS
				RB1#5	21.03	20.03	34.77	PASS
BAND12				RB3#0	20.96	19.96	34.77	PASS
				RB3#2	21.02	20.02	34.77	PASS
				RB3#3	21.05	20.05	34.77	PASS
				RB6#0	20.17	19.17	34.77	PASS
				RB1#0	20.91	19.91	34.77	PASS
				RB1#2	20.88	19.88	34.77	PASS
				RB1#5	20.89	19.89	34.77	PASS
			НСН	RB3#0	20.9	19.90	34.77	PASS
				RB3#2	20.91	19.91	34.77	PASS
				RB3#3	20.9	19.90	34.77	PASS
				RB6#0	19.98	18.98	34.77	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	20.16	19.16	34.77	PASS
				RB1#2	20.14	19.14	34.77	PASS
				RB1#5	20.22	19.22	34.77	PASS
			LCH	RB3#0	20.19	19.19	34.77	PASS
				RB3#2	20.17	19.17	34.77	PASS
				RB3#3	20.22	19.22	34.77	PASS
		1.4M		RB6#0	19.22	18.22	34.77	PASS
			мсн	RB1#0	19.92	18.92	34.77	PASS
				RB1#2	19.93	18.93	34.77	PASS
				RB1#5	20.02	19.02	34.77	PASS
BAND12	LTE/TM2			RB3#0	19.95	18.95	34.77	PASS
				RB3#2	20.05	19.05	34.77	PASS
				RB3#3	20.07	19.07	34.77	PASS
				RB6#0	19.06	18.06	34.77	PASS
				RB1#0	19.88	18.88	34.77	PASS
				RB1#2	19.89	18.89	34.77	PASS
				RB1#5	19.9	18.90	34.77	PASS
			НСН	RB3#0	19.9	18.90	34.77	PASS
				RB3#2	19.91	18.91	34.77	PASS
				RB3#3	19.92	18.92	34.77	PASS
				RB6#0	18.92	17.92	34.77	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	21.17	20.17	34.77	PASS
				RB1#7	21.15	20.15	34.77	PASS
				RB1#14	21.09	20.09	34.77	PASS
			LCH	RB8#0	20.26	19.26	34.77	PASS
				RB8#4	20.21	19.21	34.77	PASS
				RB8#7	20.15	19.15	34.77	PASS
		3M		RB15#0	20.26	19.26	34.77	PASS
			мсн	RB1#0	20.89	19.89	34.77	PASS
				RB1#7	20.98	19.98	34.77	PASS
				RB1#14	21.03	20.03	34.77	PASS
BAND12	LTE/TM1			RB8#0	19.96	18.96	34.77	PASS
				RB8#4	20.05	19.05	34.77	PASS
				RB8#7	20.06	19.06	34.77	PASS
				RB15#0	20.1	19.10	34.77	PASS
				RB1#0	20.93	19.93	34.77	PASS
				RB1#7	20.88	19.88	34.77	PASS
				RB1#14	20.89	19.89	34.77	PASS
			НСН	RB8#0	19.98	18.98	34.77	PASS
				RB8#4	19.95	18.95	34.77	PASS
				RB8#7	19.97	18.97	34.77	PASS
				RB15#0	19.98	18.98	34.77	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	20.16	19.16	34.77	PASS
				RB1#7	20.1	19.10	34.77	PASS
				RB1#14	20.1	19.10	34.77	PASS
			LCH	RB8#0	19.27	18.27	34.77	PASS
				RB8#4	19.27	18.27	34.77	PASS
				RB8#7	19.21	18.21	34.77	PASS
		/TM2 3M		RB15#0	19.22	18.22	34.77	PASS
			МСН	RB1#0	19.86	18.86	34.77	PASS
				RB1#7	19.97	18.97	34.77	PASS
				RB1#14	20.01	19.01	34.77	PASS
BAND12	LTE/TM2			RB8#0	19.01	18.01	34.77	PASS
				RB8#4	19.1	18.10	34.77	PASS
				RB8#7	19.11	18.11	34.77	PASS
				RB15#0	19.07	18.07	34.77	PASS
				RB1#0	19.86	18.86	34.77	PASS
				RB1#7	19.85	18.85	34.77	PASS
				RB1#14	19.88	18.88	34.77	PASS
			НСН	RB8#0	19.06	18.06	34.77	PASS
				RB8#4	19.02	18.02	34.77	PASS
				RB8#7	18.99	17.99	34.77	PASS
				RB15#0	18.98	17.98	34.77	PASS



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		T	1	Page. 7 01 55					
Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict	
				RB1#0	21.14	20.14	34.77	PASS	
				RB1#13	21.09	20.09	34.77	PASS	
				RB1#24	20.86	19.86	34.77	PASS	
			LCH	RB12#0	20.22	19.22	34.77	PASS	
				RB12#6	20.11	19.11	34.77	PASS	
				RB12#13	20.07	19.07	34.77	PASS	
				RB25#0	20.05	19.05	34.77	PASS	
				RB1#0	20.89	19.89	34.77	PASS	
				RB1#13	21.01	20.01	34.77	PASS	
				RB1#24	21.01	20.01	34.77	PASS	
BAND12	LTE/TM1	5M	MCH	RB12#0	19.94	18.94	34.77	PASS	
			_	RB12#6	20.12	19.12	34.77	PASS	
				RB12#13	20.12	19.12	34.77	PASS	
				RB25#0	20.13	19.13	34.77	PASS	
				RB1#0	20.94	19.94	34.77	PASS	
				RB1#13	20.9	19.90	34.77	PASS	
				RB1#24	20.9	19.90	34.77	PASS	
			HCH	RB12#0	20.01	19.01	34.77	PASS	
				RB12#6	19.96	18.96	34.77	PASS	
				RB12#13	19.98	18.98	34.77	PASS	
				RB25#0	20	19.00	34.77	PASS	



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Test Test Test Test RB Measured ERP limit					limit	Vandiat		
Band(LTE)	Mode	Bandwidth	channel	Test RB	(dBm)	(dBm)	(dBm)	Verdict
				RB1#0	20.16	19.16	34.77	PASS
				RB1#13	20	19.00	34.77	PASS
		5M		RB1#24	19.77	18.77	34.77	PASS
			LCH	RB12#0	19.23	18.23	34.77	PASS
				RB12#6	19.19	18.19	34.77	PASS
				RB12#13	19.12	18.12	34.77	PASS
				RB25#0	19.09	18.09	34.77	PASS
			мсн	RB1#0	19.85	18.85	34.77	PASS
				RB1#13	19.94	18.94	34.77	PASS
				RB1#24	19.97	18.97	34.77	PASS
BAND12	LTE/TM2			RB12#0	19.02	18.02	34.77	PASS
				RB12#6	19.15	18.15	34.77	PASS
				RB12#13	19.16	18.16	34.77	PASS
				RB25#0	19.09	18.09	34.77	PASS
				RB1#0	19.91	18.91	34.77	PASS
				RB1#13	19.88	18.88	34.77	PASS
				RB1#24	19.9	18.90	34.77	PASS
			нсн	RB12#0	19.03	18.03	34.77	PASS
				RB12#6	19.02	18.02	34.77	PASS
				RB12#13	19.05	18.05	34.77	PASS
				RB25#0	19.02	18.02	34.77	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	21.17	20.17	34.77	PASS
				RB1#25	20.92	19.92	34.77	PASS
				RB1#49	21.12	20.12	34.77	PASS
			LCH	RB25#0	20.1	19.10	34.77	PASS
				RB25#13	20.01	19.01	34.77	PASS
				RB25#25	20.19	19.19	34.77	PASS
				RB50#0	20.04	19.04	34.77	PASS
			МСН	RB1#0	20.88	19.88	34.77	PASS
		10M		RB1#25	21.02	20.02	34.77	PASS
	LTE/TM1			RB1#49	21.08	20.08	34.77	PASS
BAND12				RB25#0	19.96	18.96	34.77	PASS
				RB25#13	20.09	19.09	34.77	PASS
				RB25#25	20.11	19.11	34.77	PASS
				RB50#0	20.11	19.11	34.77	PASS
				RB1#0	20.89	19.89	34.77	PASS
				RB1#25	20.98	19.98	34.77	PASS
				RB1#49	21.06	20.06	34.77	PASS
			НСН	RB25#0	20.09	19.09	34.77	PASS
				RB25#13	20.01	19.01	34.77	PASS
				RB25#25	20.1	19.10	34.77	PASS
				RB50#0	20.1	19.10	34.77	PASS



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Test	Test	Test	Test	Test RB	Measured	ERP	limit	Verdic
Band(LTE)	Mode	Bandwidth	channel		(dBm)	(dBm)	(dBm)	t
				RB1#0	20.14	19.14	34.77	PASS
				RB1#25	19.9	18.90	34.77	PASS
				RB1#49	20.1	19.10	34.77	PASS
			LCH	RB25#0	19.06	18.06	34.77	PASS
				RB25#13	19.03	18.03	34.77	PASS
				RB25#25	19.18	18.18	34.77	PASS
	LTE/TM2	10M		RB50#0	19.08	18.08	34.77	PASS
			МСН	RB1#0	19.84	18.84	34.77	PASS
				RB1#25	20	19.00	34.77	PASS
				RB1#49	20.01	19.01	34.77	PASS
BAND12				RB25#0	18.99	17.99	34.77	PASS
				RB25#13	19.11	18.11	34.77	PASS
				RB25#25	19.14	18.14	34.77	PASS
				RB50#0	19.12	18.12	34.77	PASS
				RB1#0	19.86	18.86	34.77	PASS
				RB1#25	19.95	18.95	34.77	PASS
				RB1#49	20	19.00	34.77	PASS
			НСН	RB25#0	19.11	18.11	34.77	PASS
				RB25#13	19.13	18.13	34.77	PASS
				RB25#25	19.1	18.10	34.77	PASS
				RB50#0	19.06	18.06	34.77	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	4.87	13	PASS
	TM1/10M	MCH	4.90	13	PASS
Dond 10		HCH	4.43	13	PASS
Band 12		LCH	5.74	13	PASS
	TM2/10M	MCH	5.57	13	PASS
		HCH	5.28	13	PASS



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Part II - Test Plots

2.1 For LTE

2.1.1 Test Band = LTE band12

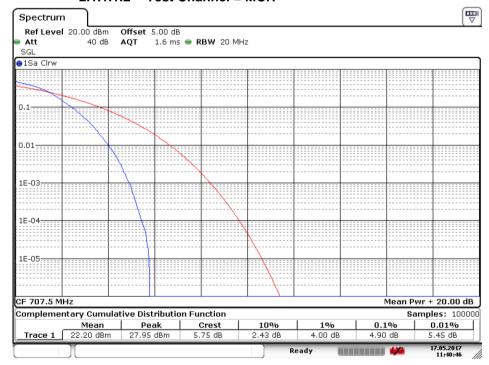
2.1.1.1 Test Mode = LTE/TM1.Bandwidth=10MHz

2.1.1.1.1 Test Channel = LCH



Date: 17.MAY.2017 11:40:25

2.1.1.1.2 Test Channel = MCH



Date: 17.MAY.2017 11:40:46

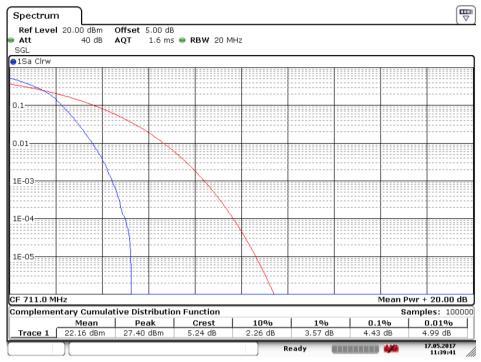
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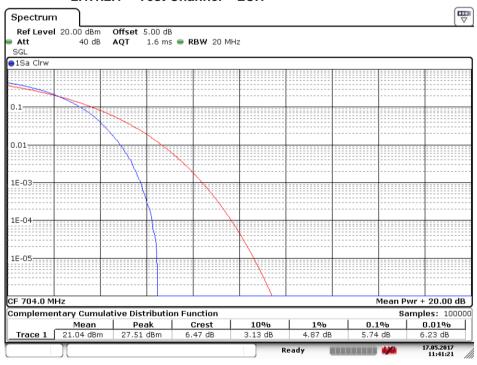
2.1.1.1.3 Test Channel = HCH



Date: 17.MAY.2017 11:39:41

2.1.1.2 Test Mode = LTE/TM2.Bandwidth=10MHz

2.1.1.2.1 Test Channel = LCH



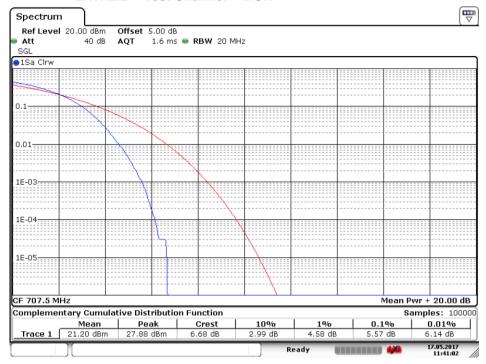
Date: 17.MAY.2017 11:41:22



Report No.: SZEM1701001110301

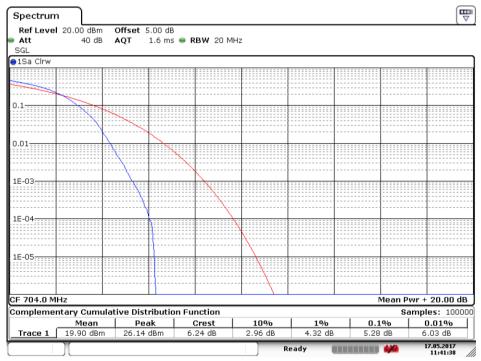
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2.1.1.2.2 Test Channel = MCH



Date: 17.MAY.2017 11:41:02

2.1.1.2.3 Test Channel = HCH



Date: 17.MAY.2017 11:41:38



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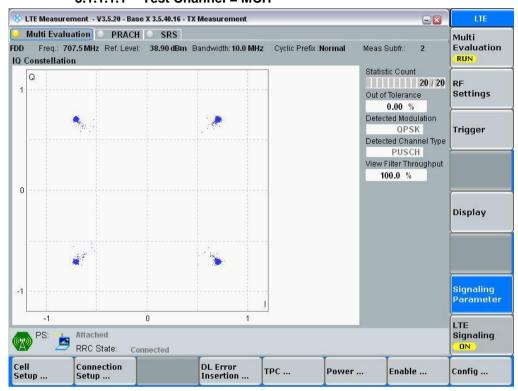
3 Modulation Characteristics

3.1 For LTE

3.1.1 Test Band = LTE band12

3.1.1.1 Test Mode = LTE /TM1 10MHz

3.1.1.1.1 Test Channel = MCH



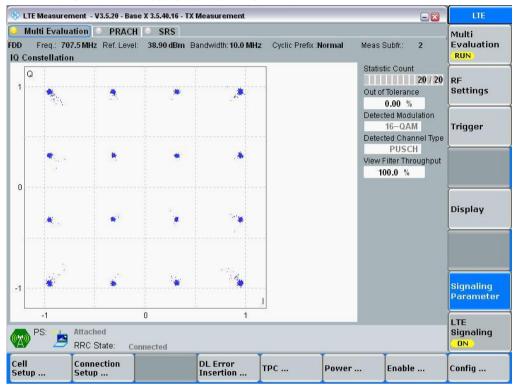


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3.1.1.2 Test Mode = LTE /TM2 10MHz

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	1.12	2.06	PASS
	TM1/1.4MHz	MCH	1.11	1.35	PASS
		HCH	1.11	1.29	PASS
		LCH	1.12	1.83	PASS
	TM2/1.4MHz	MCH	1.10	1.33	PASS
		HCH	1.10	1.30	PASS
		LCH	2.70	3.42	PASS
	TM1/3MHz	MCH	2.69	2.93	PASS
		HCH	2.69	2.96	PASS
	TM2/3MHz	LCH	2.69	3.29	PASS
		MCH	2.69	2.97	PASS
		HCH	2.69	2.95	PASS
Band 12	TM1/5MHz	LCH	4.49	4.96	PASS
		MCH	4.51	5.59	PASS
		HCH	4.49	4.97	PASS
		LCH	4.50	5.10	PASS
	TM2/5MHz	MCH	4.50	5.04	PASS
		HCH	4.50	4.94	PASS
		LCH	9.01	10.01	PASS
	TM1/10MHz	MCH	9.01	10.07	PASS
		HCH	8.87	9.55	PASS
		LCH	9.01	9.77	PASS
	TM2/ 10MHz	MCH	8.97	9.57	PASS
		HCH	8.87	9.53	PASS



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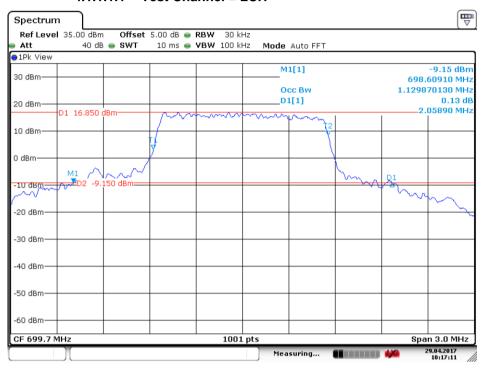
Part II -Test Plots

4.1 For LTE

4.1.1 Test Band = LTE band12

4.1.1.1 Test Mode = LTE/TM1 1.4MHz

4.1.1.1.1 Test Channel = LCH



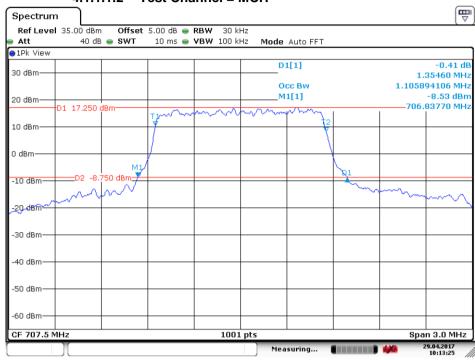
Date: 29.APR.2017 10:17:11



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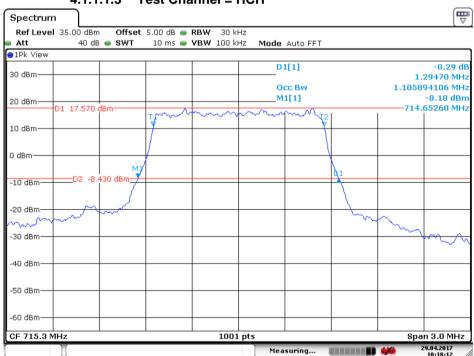
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4.1.1.1.2 Test Channel = MCH



Date: 29.APR.2017 10:13:25

4.1.1.1.3 Test Channel = HCH



Date: 29.APR.2017 10:18:12

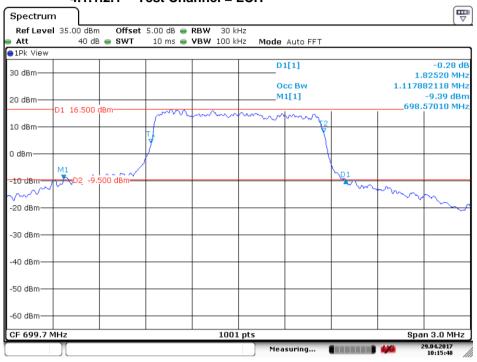


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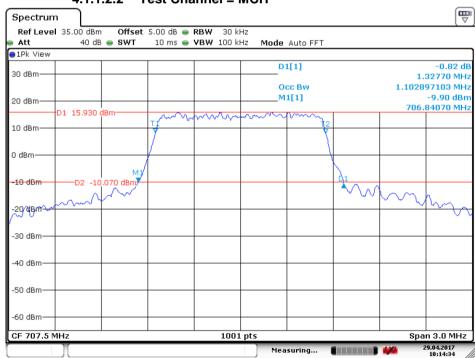
4.1.1.2 Test Mode = LTE/TM2 1.4MHz

4.1.1.2.1 Test Channel = LCH



Date: 29.APR.2017 10:15:48

4.1.1.2.2 Test Channel = MCH



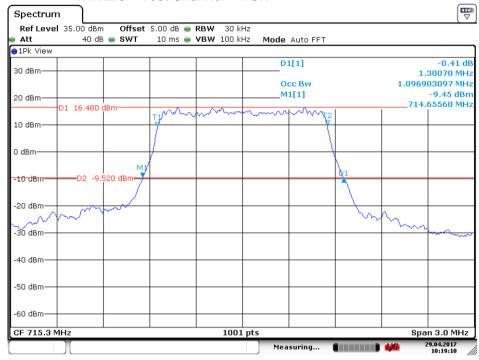
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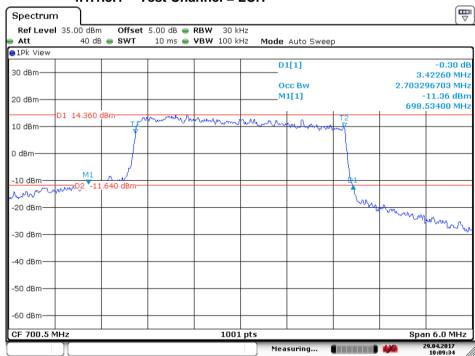
4.1.1.2.3 Test Channel = HCH



Date: 29.APR.2017 10:19:11

4.1.1.3 Test Mode = LTE/TM1 3MHz

4.1.1.3.1 Test Channel = LCH



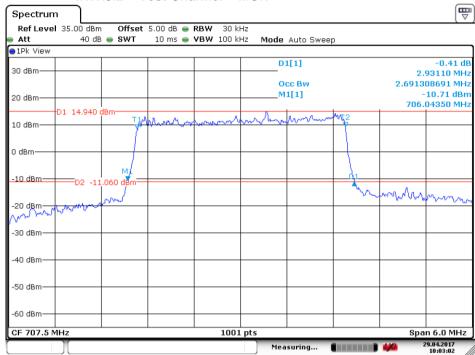
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Report No.: SZEM1701001110301

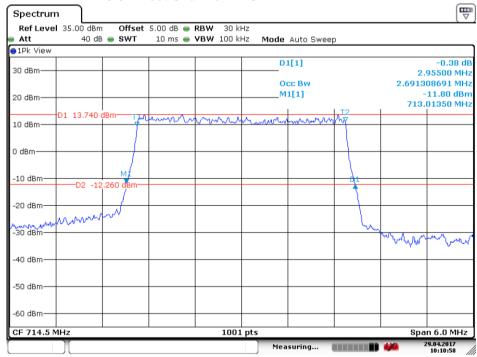
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4.1.1.3.2 Test Channel = MCH



Date: 29.APR.2017 10:03:02

4.1.1.3.3 Test Channel = HCH



Date: 29.APR.2017 10:10:59

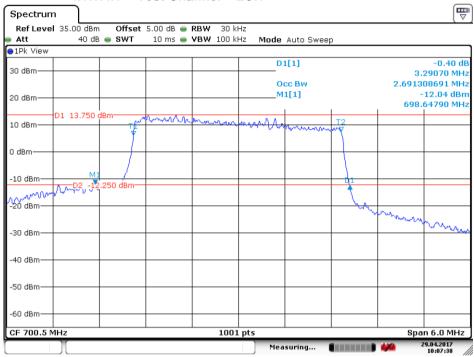


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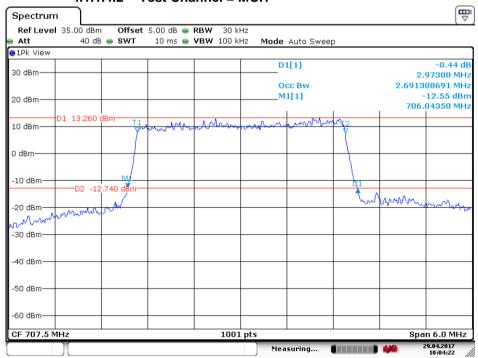
4.1.1.4 Test Mode = LTE/TM2 3MHz

4.1.1.4.1 Test Channel = LCH



Date: 29.APR.2017 10:07:38

4.1.1.4.2 Test Channel = MCH



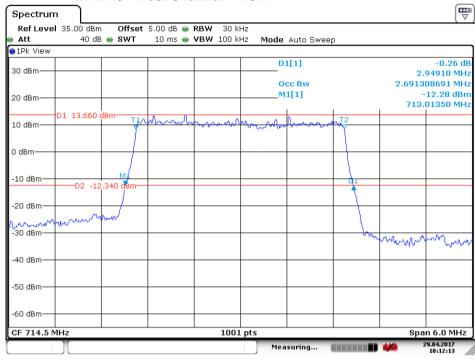
Date: 29.APR.2017 10:04:22



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4.1.1.4.3 Test Channel = HCH



Date: 29.APR.2017 10:12:14

4.1.1.5 Test Mode = LTE/TM1 5MHz

4.1.1.5.1 Test Channel = LCH



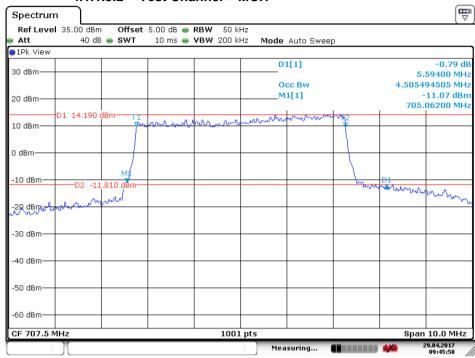
Date: 29.APR.2017 09:58:29



Report No.: SZEM1701001110301

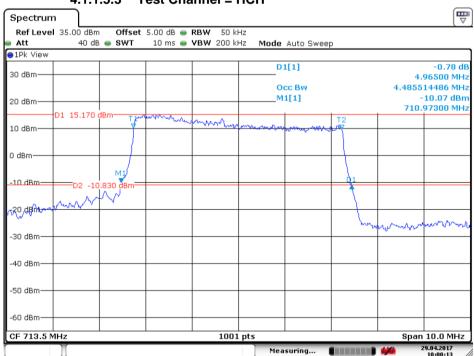
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4.1.1.5.2 Test Channel = MCH



Date: 29.APR.2017 09:45:59

4.1.1.5.3 Test Channel = HCH



Date: 29.APR.2017 10:00:14

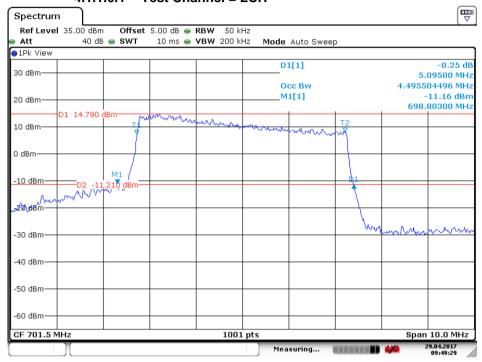


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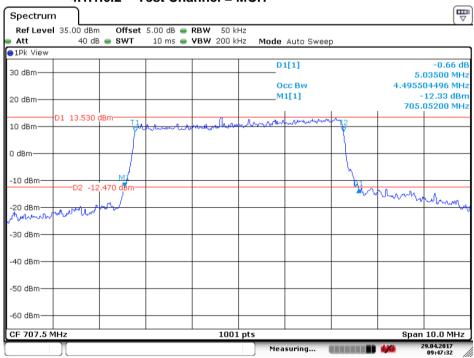
4.1.1.6 Test Mode = LTE/TM2 5MHz

4.1.1.6.1 Test Channel = LCH



Date: 29.APR.2017 09:49:30

4.1.1.6.2 Test Channel = MCH



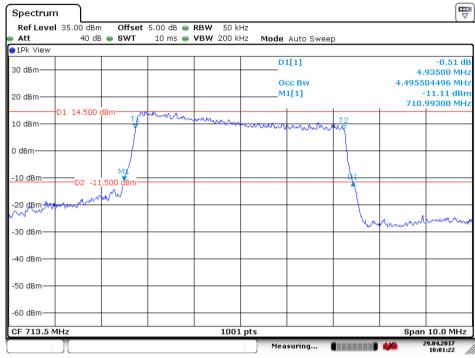
Date: 29.APR.2017 09:47:32



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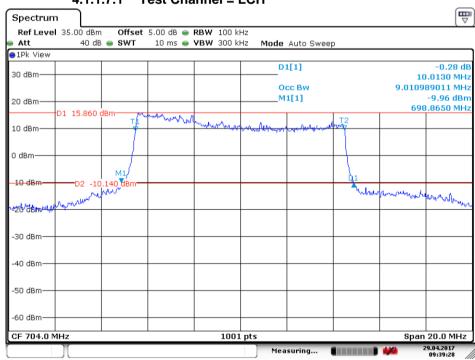
4.1.1.6.3 Test Channel = HCH



Date: 29.APR.2017 10:01:22

4.1.1.7 Test Mode = LTE/TM1 10MHz

4.1.1.7.1 Test Channel = LCH



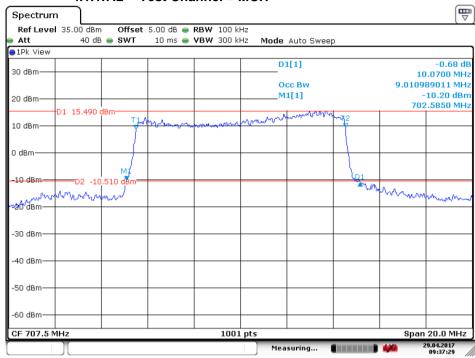
Date: 29.APR.2017 09:39:28



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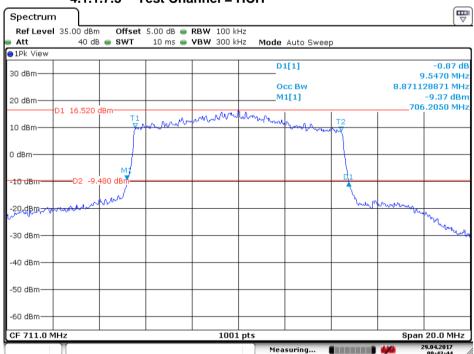
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4.1.1.7.2 Test Channel = MCH



Date: 29.APR.2017 09:37:30

4.1.1.7.3 Test Channel = HCH



Date: 29.APR.2017 09:43:44



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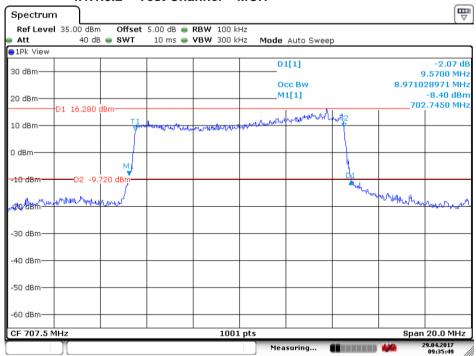
4.1.1.8 Test Mode = LTE/TM2 10MHz

4.1.1.8.1 Test Channel = LCH



Date: 29.APR.2017 09:40:50

4.1.1.8.2 Test Channel = MCH



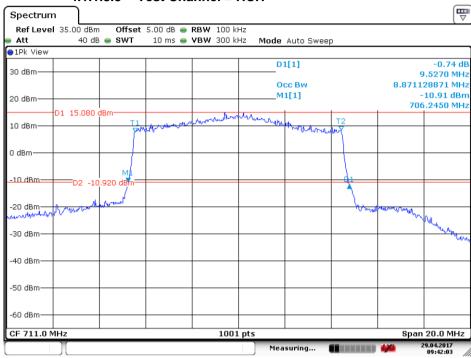
Date: 29.APR.2017 09:35:50



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4.1.1.8.3 Test Channel = HCH



Date: 29.APR.2017 09:42:03



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5 Band Edges Compliance

5.1 For LTE

5.1.1 Test Band = LTE band12

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: 29.APR.2017 11:26:37



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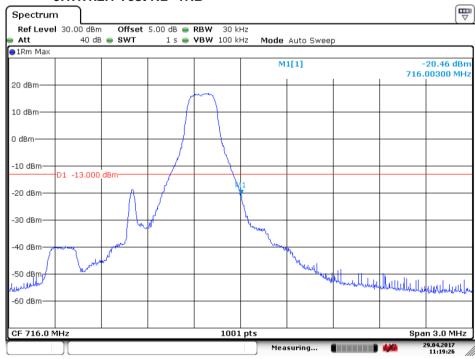
5.1.1.1.1.2 Test RB=6RB



Date: 29.APR.2017 11:23:56

5.1.1.1.2 Test Channel = HCH

5.1.1.1.2.1 Test RB=1RB



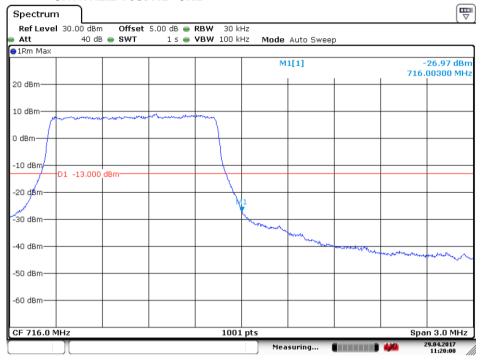
Date: 29.APR.2017 11:19:26



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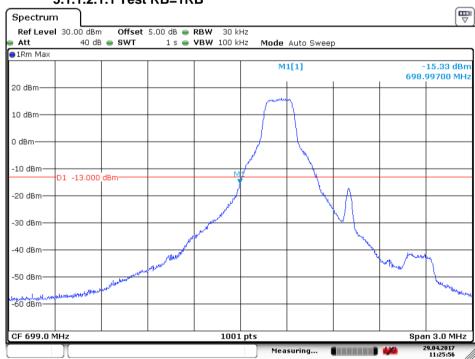
5.1.1.1.2.2 Test RB=6RB



Date: 29.APR.2017 11:20:01

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



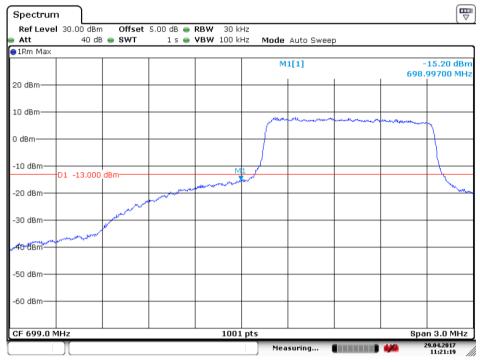
Date: 29.APR.2017 11:25:56



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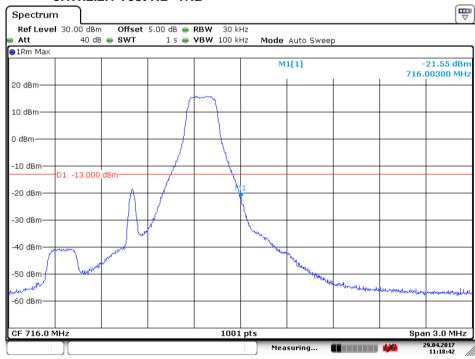
5.1.1.2.1.2 Test RB=6RB



Date: 29.APR.2017 11:21:20

5.1.1.2.2 Test Channel = HCH

5.1.1.2.2.1 Test RB=1RB



Date: 29.APR.2017 11:18:42



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5.1.1.2.2.2 Test RB=6RB

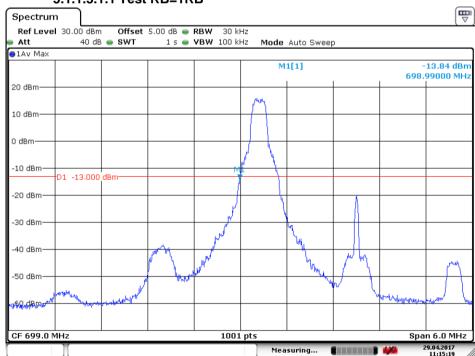


Date: 29.APR.2017 11:20:38

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 11:15:19



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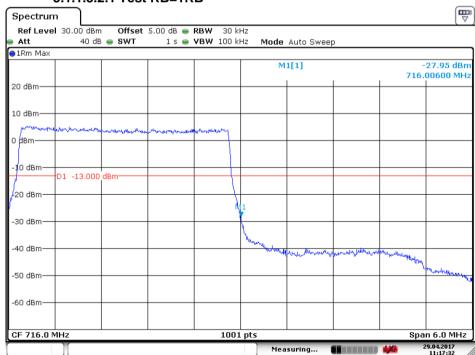
5.1.1.3.1.2 Test RB=15RB



Date: 29.APR.2017 11:06:53

5.1.1.3.2 Test Channel = HCH

5.1.1.3.2.1 Test RB=1RB



Date: 29.APR.2017 11:17:32



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5.1.1.3.2.2 Test RB=15RB

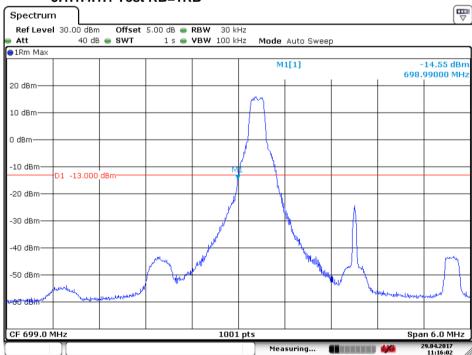


Date: 29.APR.2017 11:17:32

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 11:16:02



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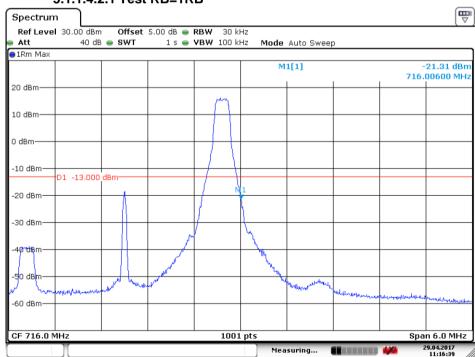
5.1.1.4.1.2 Test RB=15RB



Date: 29.APR.2017 11:06:05

5.1.1.4.2 Test Channel = HCH

5.1.1.4.2.1 Test RB=1RB



Date: 29.APR.2017 11:16:39



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5.1.1.4.3 Test RB=15RB

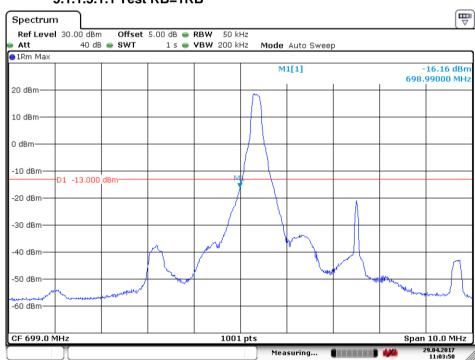


Date: 29.APR.2017 11:17:59

5.1.1.5 Test Mode = LTE/TM1 5MHz

5.1.1.5.1 Test Channel = LCH

5.1.1.5.1.1 Test RB=1RB



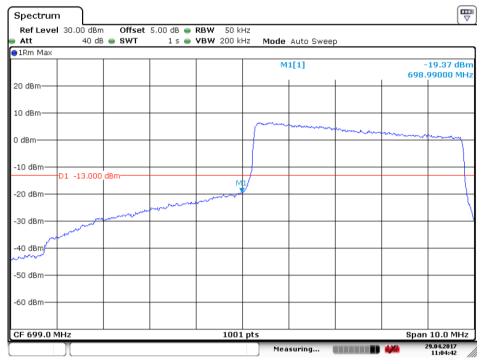
Date: 29.APR.2017 11:03:50



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5.1.1.5.1.2 Test RB=25RB



Date: 29.APR.2017 11:04:42

5.1.1.5.2 Test Channel = HCH

5.1.1.5.2.1 Test RB=1RB



Date: 29.APR.2017 11:00:49



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5.1.1.5.2.2 Test RB=25RB

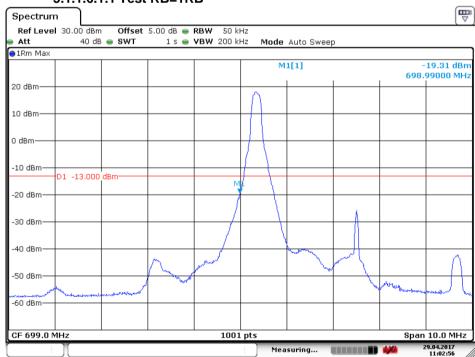


Date: 29.APR.2017 10:59:51

5.1.1.6 Test Mode = LTE/TM2 5MHz

5.1.1.6.1 Test Channel = LCH

5.1.1.6.1.1 Test RB=1RB



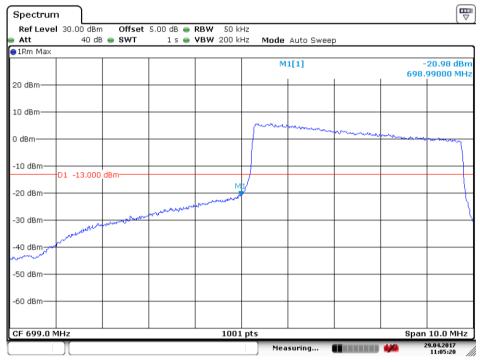
Date: 29.APR.2017 11:02:57



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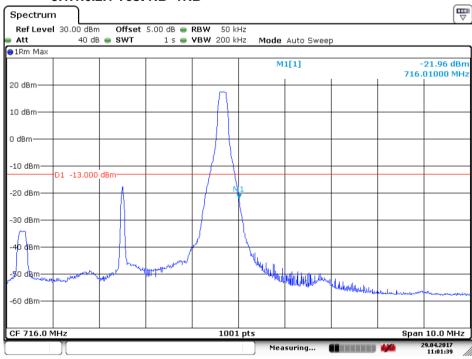
5.1.1.6.1.2 Test RB=25RB



Date: 29.APR.2017 11:05:20

5.1.1.6.2 Test Channel = HCH

5.1.1.6.2.1 Test RB=1RB



Date: 29.APR.2017 11:01:40



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5.1.1.6.2.2 Test RB=25RB

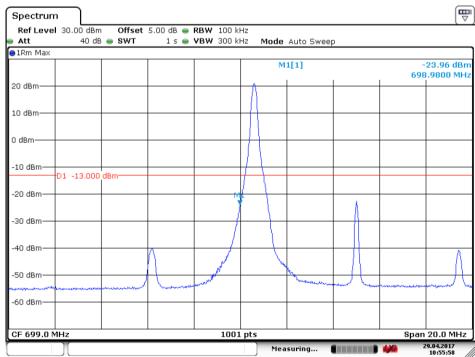


Date: 29.APR.2017 10:59:11

5.1.1.7 Test Mode = LTE/TM1 10MHz

5.1.1.7.1 Test Channel = LCH

5.1.1.7.1.1 Test RB=1RB



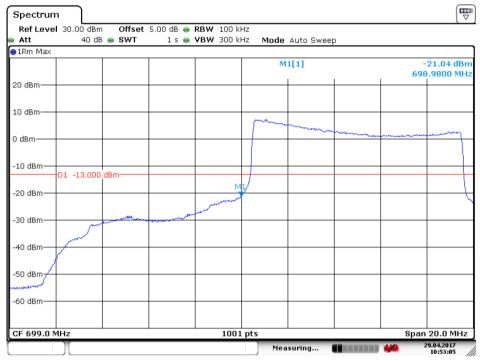
Date: 29.APR.2017 10:55:59



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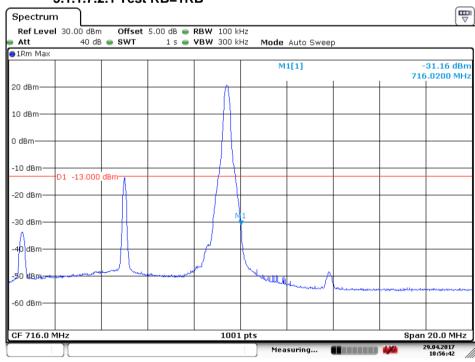
5.1.1.7.1.2 Test RB=50RB



Date: 29.APR.2017 10:53:06

5.1.1.7.2 Test Channel = HCH

5.1.1.7.2.1 Test RB=1RB



Date: 29.APR.2017 10:56:43



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5.1.1.7.2.2 Test RB=50RB

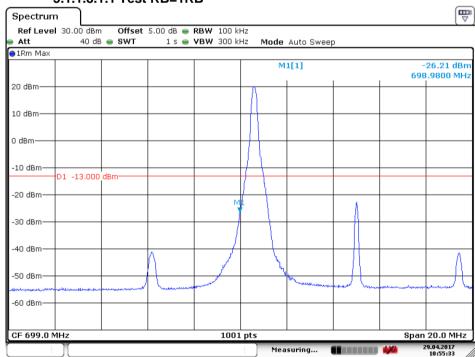


Date: 29.APR.2017 10:58:12

5.1.1.8 Test Mode = LTE/TM2 10MHz

5.1.1.8.1 Test Channel = LCH

5.1.1.8.1.1 Test RB=1RB



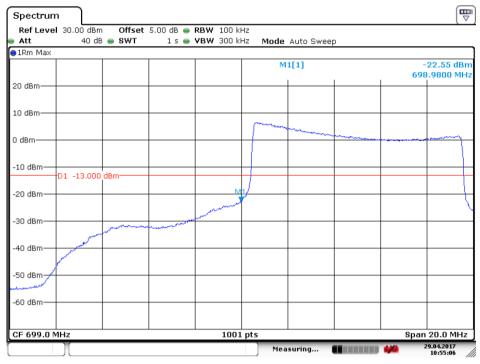
Date: 29.APR.2017 10:55:33



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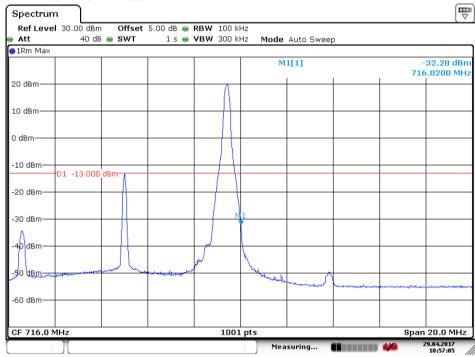
5.1.1.8.1.2 Test RB=50RB



Date: 29.APR.2017 10:55:07

5.1.1.8.2 Test Channel = HCH

5.1.1.8.2.1 Test RB=1RB



Date: 29.APR.2017 10:57:06



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5.1.1.8.2.2 Test RB=50RB



Date: 29.APR.2017 10:57:31



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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 = 4 * (Span / RBW) with k = 4 * (Span / RBW).

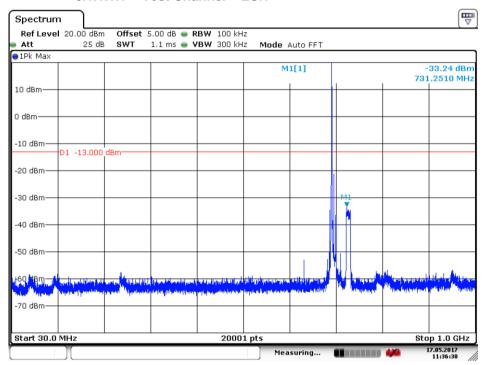
Part I - Test Plots

6.1 For LTE

6.1.1 Test Band = LTE band12

6.1.1.1 Test Mode = LTE / TM1 10MHz RB1#0

6.1.1.1.1 Test Channel = LCH

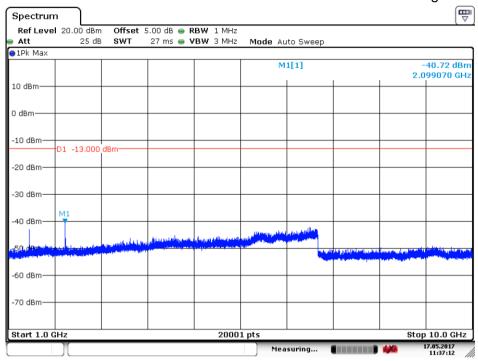


Date: 17.MAY.2017 11:36:30



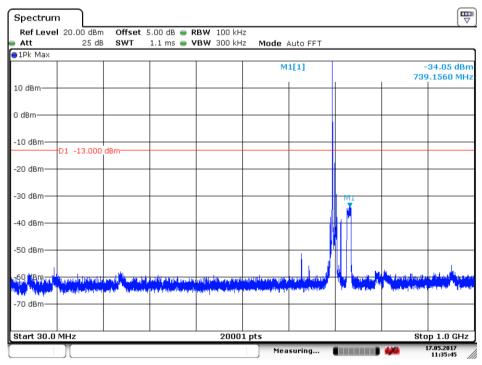
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Date: 17.MAY.2017 11:37:13

6.1.1.1.2 Test Channel = MCH

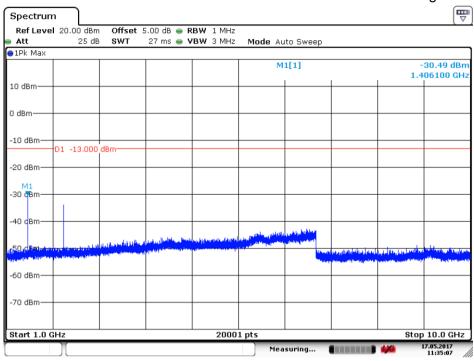


Date: 17.MAY.2017 11:35:45



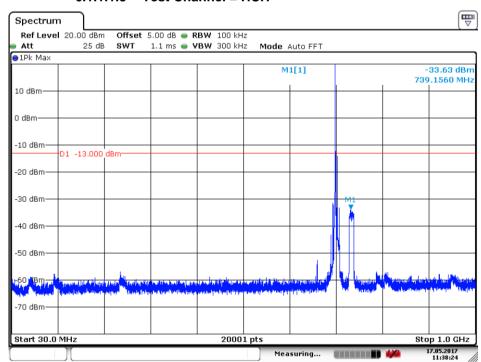
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Date: 17.MAY.2017 11:35:08

6.1.1.1.3 Test Channel = HCH

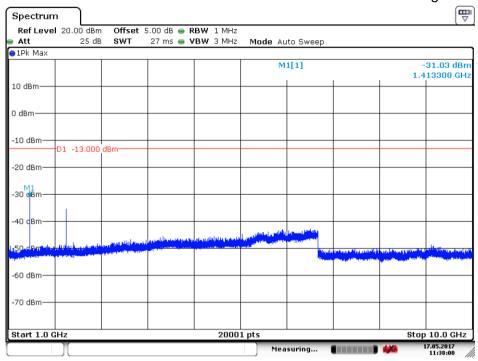


Date: 17.MAY.2017 11:38:25



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Date: 17.MAY.2017 11:38:00



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7 Field Strength of Spurious Radiation

7.1 For LTE

7.1.1 Test Band = LTE band12

7.1.1.1 Test Mode = LTE/TM1 10MHz RB1#0

7.1.1.1.1 Test Channel = MCH

7.1.1.1.1 Test Chamier = Wort						
Frequency (MHz)	Level (dBm)	Limit Line (dBm) Over Limit (dB)		Polarization		
40.220000	-70.76	-13.00	-57.76	Vertical		
73.260000	-71.60	-13.00	-58.60	Vertical		
205.980000	-67.92	-13.00	-54.92	Vertical		
1406.000000	-56.42	-13.00	-43.42	Vertical		
2670.500000	-57.11	-13.00	-44.11	Vertical		
6110.737500	-65.28	-13.00	-52.28	Vertical		
73.026667	-75.61	-13.00	-62.61	Horizontal		
131.360000	-74.20	-13.00	-61.20	Horizontal		
205.093333	-75.32	-13.00	-62.32	Horizontal		
1406.000000	-56.16	-13.00	-43.16	Horizontal		
4206.562500	-66.80	-13.00	-53.80	Horizontal		
6017.137500	-65.24	-13.00	-52.24	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
	LTE/TM1 10MHz	LCH	TN	VL	-3.66	-0.00520	PASS
				VN	1.42	0.00202	PASS
				VH	-5.23	-0.00743	PASS
		МСН	TN	VL	-1.56	-0.00220	PASS
				VN	-2.80	-0.00396	PASS
				VH	4.72	0.00667	PASS
				VL	-5.30	-0.00745	PASS
LTE band12		HCH	TN	VN	-4.90	-0.00689	PASS
				VH	-3.28	-0.00461	PASS
	LTE/TM2 10MHz	LCH	TN	VL	-4.70	-0.00668	PASS
				VN	-3.13	-0.00445	PASS
				VH	-5.15	-0.00732	PASS
		МСН	TN	VL	1.20	0.00170	PASS
				VN	-3.89	-0.00550	PASS
				VH	1.63	0.00230	PASS
		НСН		VL	-2.01	-0.00283	PASS
			TN	VN	-3.17	-0.00446	PASS
				VH	5.14	0.00723	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
		LCH	VN	-30	-4.30	-0.00611	PASS
				-20	-2.28	-0.00324	PASS
				-10	-2.87	-0.00408	PASS
				0	1.20	0.00170	PASS
				10	5.22	0.00741	PASS
				20	3.59	0.00510	PASS
				30	-2.68	-0.00381	PASS
				40	-1.70	-0.00241	PASS
				50	-6.02	-0.00855	PASS
			VN	-30	-5.24	-0.00741	PASS
	LTE/TM1 10MHz	МСН		-20	-5.20	-0.00735	PASS
				-10	-3.32	-0.00469	PASS
				0	-1.55	-0.00219	PASS
LTE band12				10	-1.27	-0.00180	PASS
				20	-2.89	-0.00408	PASS
				30	-3.09	-0.00437	PASS
				40	-4.82	-0.00681	PASS
				50	-5.36	-0.00758	PASS
		нсн	VN	-30	-6.26	-0.00880	PASS
				-20	-3.24	-0.00456	PASS
				-10	1.69	0.00238	PASS
				0	-2.40	-0.00338	PASS
				10	4.44	0.00624	PASS
				20	-0.32	-0.00045	PASS
				30	-5.45	-0.00767	PASS
				40	-4.30	-0.00605	PASS
				50	-3.88	-0.00546	PASS



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Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
		LCH	VN	-30	-3.65	-0.00518	PASS
				-20	-2.42	-0.00344	PASS
				-10	1.23	0.00175	PASS
				0	2.41	0.00342	PASS
				10	1.77	0.00251	PASS
				20	-0.83	-0.00118	PASS
				30	-3.02	-0.00429	PASS
				40	2.27	0.00322	PASS
			ļ	50	-4.88	-0.00693	PASS
			VN	-30	-3.36	-0.00475	PASS
	LTE/TM2 10MHz	МСН		-20	-2.64	-0.00373	PASS
				-10	-2.15	-0.00304	PASS
				0	-1.83	-0.00259	PASS
LTE band12				10	-0.79	-0.00112	PASS
				20	1.23	0.00174	PASS
				30	-2.24	-0.00317	PASS
				40	-6.78	-0.00958	PASS
				50	-5.13	-0.00725	PASS
		нсн	VN	-30	-3.03	-0.00426	PASS
				-20	-4.60	-0.00647	PASS
				-10	5.09	0.00716	PASS
				0	-3.48	-0.00489	PASS
				10	2.76	0.00388	PASS
				20	-0.99	-0.00139	PASS
				30	-3.46	-0.00487	PASS
				40	-4.72	-0.00664	PASS
				50	-4.33	-0.00609	PASS

The End