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Appendix B

E-UTRA Band 26(824-849)



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1 Effective (Isotropic) Radiated Power Output Data

Effective Radiated Power of Transmitter (ERP) for LTE BAND 26(824-849)

Effective Radiated Power of Transmitter (ERP) for LTE BAND 26(824-849)									
Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict	
				RB1#0	23.09	22.07	38.45	PASS	
				RB1#2	23.20	22.18	38.45	PASS	
				RB1#5	23.02	22.00	38.45	PASS	
			LCH	RB3#0	23.21	22.19	38.45	PASS	
				RB3#2	23.17	22.15	38.45	PASS	
				RB3#3	23.05	22.03	38.45	PASS	
				RB6#0	22.15	21.13	38.45	PASS	
	LTE/TM1	1.4M		RB1#0	23.03	22.01	38.45	PASS	
				RB1#2	23.11	22.09	38.45	PASS	
			MCH	RB1#5	23.05	22.03	38.45	PASS	
BAND26 (824-849)				RB3#0	23.13	22.11	38.45	PASS	
				RB3#2	23.03	22.01	38.45	PASS	
				RB3#3	23.06	22.04	38.45	PASS	
				RB6#0	22.14	21.12	38.45	PASS	
				RB1#0	23.08	22.06	38.45	PASS	
				RB1#2	23.24	22.22	38.45	PASS	
				RB1#5	22.96	21.94	38.45	PASS	
			НСН	RB3#0	23.17	22.15	38.45	PASS	
				RB3#2	23.24	22.22	38.45	PASS	
				RB3#3	23.22	22.20	38.45	PASS	
				RB6#0	22.27	21.25	38.45	PASS	



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	T		1		Page.	4 01 13		
Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
				RB1#0	22.57	21.55	38.45	PASS
				RB1#2	22.32	21.30	38.45	PASS
				RB1#5	22.52	21.50	38.45	PASS
			LCH	RB3#0	22.36	21.34	38.45	PASS
				RB3#2	22.40	21.38	38.45	PASS
				RB3#3	22.44	21.42	38.45	PASS
				RB6#0	21.19	20.17	38.45	PASS
		1.4M		RB1#0	22.64	21.62	38.45	PASS
	LTE/TM2			RB1#2	22.48	21.46	38.45	PASS
			мсн	RB1#5	22.57	21.55	38.45	PASS
BAND26 (824-849)				RB3#0	22.33	21.31	38.45	PASS
				RB3#2	22.45	21.43	38.45	PASS
				RB3#3	22.41	21.39	38.45	PASS
				RB6#0	21.27	20.25	38.45	PASS
				RB1#0	22.48	21.46	38.45	PASS
				RB1#2	22.41	21.39	38.45	PASS
				RB1#5	22.06	21.04	38.45	PASS
			НСН	RB3#0	22.31	21.29	38.45	PASS
				RB3#2	22.37	21.35	38.45	PASS
				RB3#3	22.14	21.12	38.45	PASS
				RB6#0	21.16	20.14	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	23.37	22.35	38.45	PASS
				RB1#7	23.32	22.30	38.45	PASS
				RB1#14	23.18	22.16	38.45	PASS
			LCH	RB8#0	22.33	21.31	38.45	PASS
				RB8#4	22.25	21.23	38.45	PASS
				RB8#7	22.27	21.25	38.45	PASS
				RB15#0	22.21	21.19	38.45	PASS
				RB1#0	23.28	22.26	38.45	PASS
	LTE/TM1	ЗМ		RB1#7	23.23	22.21	38.45	PASS
			MCH	RB1#14	23.29	22.27	38.45	PASS
BAND26 (824-849)				RB8#0	22.30	21.28	38.45	PASS
				RB8#4	22.29	21.27	38.45	PASS
				RB8#7	22.23	21.21	38.45	PASS
				RB15#0	22.21	21.19	38.45	PASS
				RB1#0	23.39	22.37	38.45	PASS
				RB1#7	23.46	22.44	38.45	PASS
				RB1#14	23.23	22.21	38.45	PASS
			НСН	RB8#0	22.43	21.41	38.45	PASS
				RB8#4	22.41	21.39	38.45	PASS
				RB8#7	22.24	21.22	38.45	PASS
				RB15#0	22.34	21.32	38.45	PASS



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Test	Test	Test	Test	T (DD	Measured	ERP	limit	Mari II d
Band(LTE)	Mode	Bandwidth	channel	Test RB	(dBm)	(dBm)	(dBm)	Verdict
				RB1#0	22.67	21.65	38.45	PASS
				RB1#7	22.52	21.50	38.45	PASS
				RB1#14	22.45	21.43	38.45	PASS
			LCH	RB8#0	21.44	20.42	38.45	PASS
				RB8#4	21.40	20.38	38.45	PASS
				RB8#7	21.42	20.40	38.45	PASS
				RB15#0	21.25	20.23	38.45	PASS
	LTE/TM2	3M		RB1#0	22.65	21.63	38.45	PASS
				RB1#7	22.48	21.46	38.45	PASS
			MCH	RB1#14	22.57	21.55	38.45	PASS
BAND26 (824-849)				RB8#0	21.40	20.38	38.45	PASS
				RB8#4	21.35	20.33	38.45	PASS
				RB8#7	21.44	20.42	38.45	PASS
				RB15#0	21.39	20.37	38.45	PASS
				RB1#0	22.57	21.55	38.45	PASS
				RB1#7	22.56	21.54	38.45	PASS
				RB1#14	22.53	21.51	38.45	PASS
			НСН	RB8#0	21.48	20.46	38.45	PASS
				RB8#4	21.39	20.37	38.45	PASS
				RB8#7	21.22	20.20	38.45	PASS
				RB15#0	21.18	20.16	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	23.06	22.04	38.45	PASS
				RB1#13	23.04	22.02	38.45	PASS
				RB1#24	22.98	21.96	38.45	PASS
			LCH	RB12#0	22.33	21.31	38.45	PASS
				RB12#6	22.31	21.29	38.45	PASS
	BAND26 (824-849) LTE/TM1			RB12#13	22.19	21.17	38.45	PASS
				RB25#0	22.23	21.21	38.45	PASS
				RB1#0	23.10	22.08	38.45	PASS
		5M		RB1#13	22.99	21.97	38.45	PASS
			MCH	RB1#24	23.07	22.05	38.45	PASS
				RB12#0	22.21	21.19	38.45	PASS
				RB12#6	22.27	21.25	38.45	PASS
				RB12#13	22.16	21.14	38.45	PASS
				RB25#0	22.22	21.20	38.45	PASS
				RB1#0	23.29	22.27	38.45	PASS
				RB1#13	23.01	21.99	38.45	PASS
				RB1#24	23.01	21.99	38.45	PASS
			нсн	RB12#0	22.27	21.25	38.45	PASS
				RB12#6	22.20	21.18	38.45	PASS
				RB12#13	22.21	21.19	38.45	PASS
				RB25#0	22.28	21.26	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	22.55	21.53	38.45	PASS
				RB1#13	22.34	21.32	38.45	PASS
				RB1#24	22.40	21.38	38.45	PASS
			LCH	RB12#0	21.25	20.23	38.45	PASS
				RB12#6	21.21	20.19	38.45	PASS
				RB12#13	21.16	20.14	38.45	PASS
				RB25#0	21.31	20.29	38.45	PASS
			RB1#0	22.44	21.42	38.45	PASS	
	LTE/TM2	5M		RB1#13	22.34	21.32	38.45	PASS
			MCH	RB1#24	22.23	21.21	38.45	PASS
BAND26 (824-849)				RB12#0	21.24	20.22	38.45	PASS
				RB12#6	21.21	20.19	38.45	PASS
				RB12#13	21.14	20.12	38.45	PASS
				RB25#0	21.23	20.21	38.45	PASS
				RB1#0	22.58	21.56	38.45	PASS
				RB1#13	22.49	21.47	38.45	PASS
				RB1#24	22.31	21.29	38.45	PASS
			нсн	RB12#0	21.44	20.42	38.45	PASS
				RB12#6	21.21	20.19	38.45	PASS
				RB12#13	21.11	20.09	38.45	PASS
				RB25#0	21.23	20.21	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	23.37	22.35	38.45	PASS
				RB1#25	23.15	22.13	38.45	PASS
				RB1#49	23.17	22.15	38.45	PASS
			LCH	RB25#0	22.27	21.25	38.45	PASS
				RB25#13	22.26	21.24	38.45	PASS
				RB25#25	22.23	21.21	38.45	PASS
				RB50#0	22.18	21.16	38.45	PASS
	LTE/TM1	10M		RB1#0	23.27	22.25	38.45	PASS
				RB1#25	23.21	22.19	38.45	PASS
			мсн	RB1#49	23.24	22.22	38.45	PASS
BAND26 (824-849)				RB25#0	22.28	21.26	38.45	PASS
				RB25#13	22.16	21.14	38.45	PASS
				RB25#25	22.23	21.21	38.45	PASS
				RB50#0	22.26	21.24	38.45	PASS
				RB1#0	23.43	22.41	38.45	PASS
				RB1#25	23.16	22.14	38.45	PASS
				RB1#49	23.03	22.01	38.45	PASS
			НСН	RB25#0	22.33	21.31	38.45	PASS
				RB25#13	22.19	21.17	38.45	PASS
				RB25#25	22.14	21.12	38.45	PASS
				RB50#0	22.36	21.34	38.45	PASS



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Toot	Toot	Toot	Toot		Magazzad	EDD		Verdic
Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	veraic t
				RB1#0	22.66	21.64	38.45	PASS
				RB1#25	22.38	21.36	38.45	PASS
				RB1#49	22.26	21.24	38.45	PASS
			LCH	RB25#0	21.35	20.33	38.45	PASS
				RB25#13	21.22	20.20	38.45	PASS
				RB25#25	21.17	20.15	38.45	PASS
				RB50#0	21.22	20.20	38.45	PASS
				RB1#0	22.54	21.52	38.45	PASS
	LTE/TM2	10M		RB1#25	22.38	21.36	38.45	PASS
				RB1#49	22.26	21.24	38.45	PASS
BAND26 (824-849)			MCH	RB25#0	21.31	20.29	38.45	PASS
				RB25#13	21.28	20.26	38.45	PASS
				RB25#25	21.24	20.22	38.45	PASS
				RB50#0	21.20	20.18	38.45	PASS
				RB1#0	22.68	21.66	38.45	PASS
				RB1#25	22.32	21.30	38.45	PASS
				RB1#49	22.46	21.44	38.45	PASS
			НСН	RB25#0	21.51	20.49	38.45	PASS
				RB25#13	21.21	20.19	38.45	PASS
				RB25#25	21.25	20.23	38.45	PASS
				RB50#0	21.23	20.21	38.45	PASS



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		T		1	Page:	11 01 1	104	
Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	ERP (dBm)	limit (dBm)	Verdict
				RB1#0	23.68	22.66	38.45	PASS
				RB1#38	23.34	22.32	38.45	PASS
				RB1#74	23.23	22.21	38.45	PASS
			LCH	RB36#0	22.25	21.23	38.45	PASS
				RB36#18	22.34	21.32	38.45	PASS
				RB36#39	22.39	21.37	38.45	PASS
	LTE/TM1			RB75#0	22.45	21.43	38.45	PASS
				RB1#0	23.83	22.81	38.45	PASS
		15M		RB1#38	23.35	22.33	38.45	PASS
			MCH	RB1#74	23.39	22.37	38.45	PASS
BAND26 (824-849)				RB36#0	22.51	21.49	38.45	PASS
				RB36#18	22.29	21.27	38.45	PASS
				RB36#39	22.44	21.42	38.45	PASS
				RB75#0	22.37	21.35	38.45	PASS
				RB1#0	23.75	22.73	38.45	PASS
				RB1#38	23.34	22.32	38.45	PASS
				RB1#74	23.27	22.25	38.45	PASS
			HCH	RB36#0	22.49	21.47	38.45	PASS
				RB36#18	22.41	21.39	38.45	PASS
				RB36#39	22.42	21.40	38.45	PASS
				RB75#0	22.45	21.43	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	22.84	21.82	38.45	PASS
				RB1#38	22.47	21.45	38.45	PASS
				RB1#74	22.54	21.52	38.45	PASS
			LCH	RB36#0	21.42	20.40	38.45	PASS
				RB36#18	21.31	20.29	38.45	PASS
				RB36#39	21.37	20.35	38.45	PASS
				RB75#0	21.36	20.34	38.45	PASS
	LTE/TM2			RB1#0	22.86	21.84	38.45	PASS
		15M		RB1#38	22.47	21.45	38.45	PASS
			МСН	RB1#74	22.37	21.35	38.45	PASS
BAND26 (824-849)				RB36#0	21.55	20.53	38.45	PASS
				RB36#18	21.26	20.24	38.45	PASS
				RB36#39	21.30	20.28	38.45	PASS
				RB75#0	21.36	20.34	38.45	PASS
				RB1#0	22.82	21.80	38.45	PASS
				RB1#38	22.28	21.26	38.45	PASS
				RB1#74	22.31	21.29	38.45	PASS
			HCH	RB36#0	21.28	20.26	38.45	PASS
				RB36#18	21.37	20.35	38.45	PASS
				RB36#39	21.31	20.29	38.45	PASS
				RB75#0	21.4	20.38	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	5.07	13	PASS
	TM1/15M TM2/15M	MCH	5.22	13	PASS
BAND26		HCH	4.90	13	PASS
(824-849)		LCH	5.68	13	PASS
		MCH	5.86	13	PASS
		HCH	5.65	13	PASS



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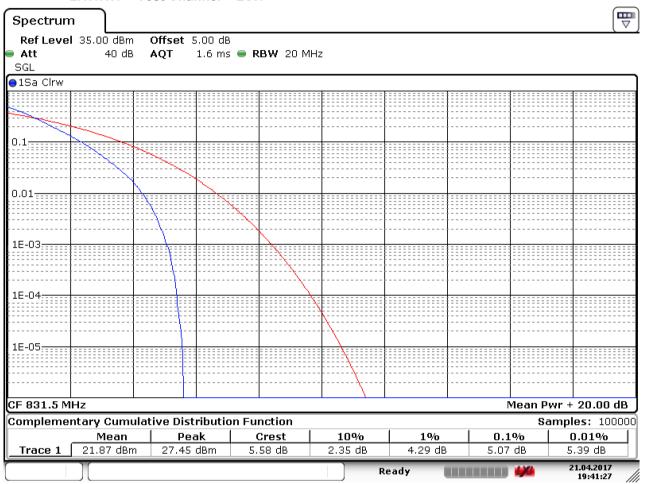
Part II - Test Plots

2.1 For LTE

2.1.1 Test Band = LTE band26(824-849)

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

2.1.1.1.1 Test Channel = LCH



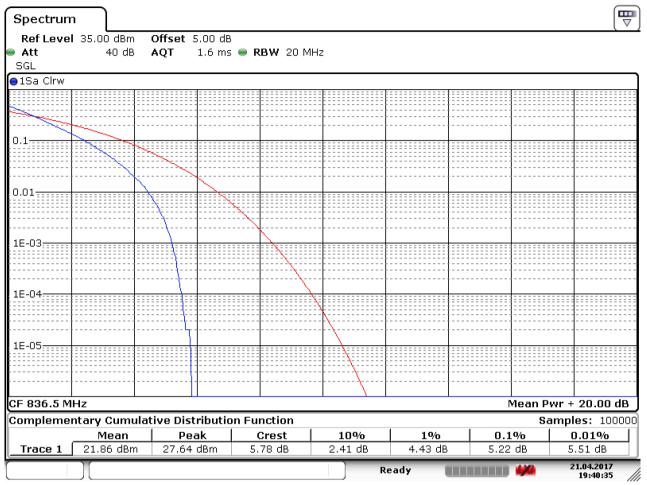
Date: 21.APR.2017 19:41:27



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2.1.1.1.2 Test Channel = MCH



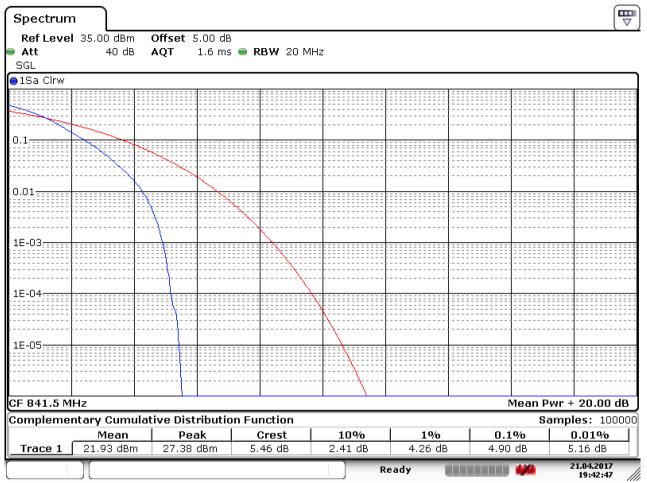
Date: 21.APR.2017 19:40:35



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2.1.1.1.3 Test Channel = HCH



Date: 21.APR.2017 19:42:48

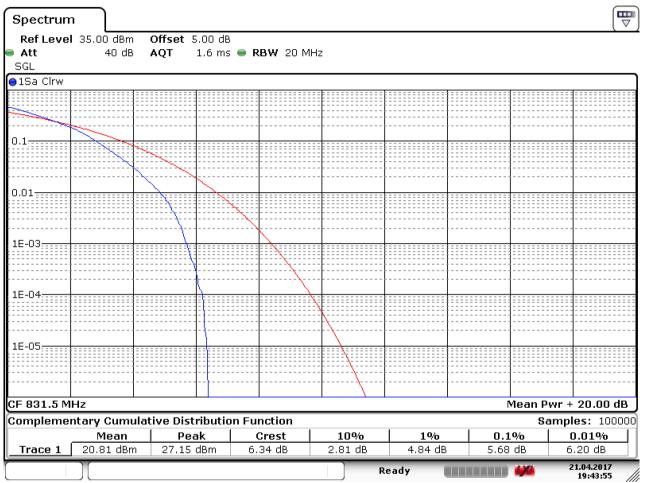


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2.1.1.2 Test Mode = LTE/TM2.Bandwidth=15MHz

2.1.1.2.1 Test Channel = LCH



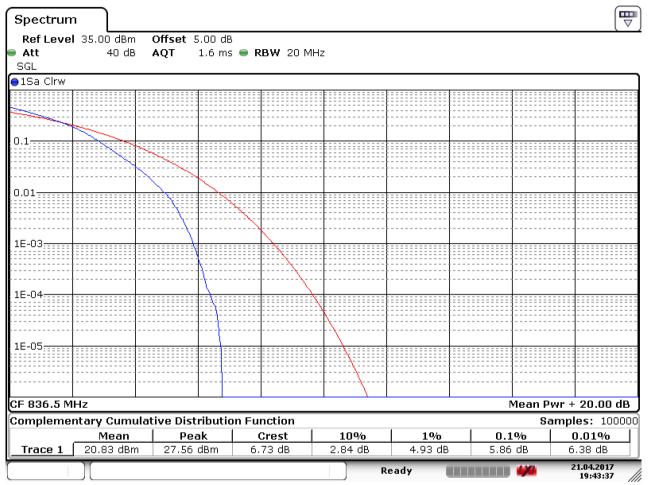
Date: 21.APR.2017 19:43:56



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2.1.1.2.2 Test Channel = MCH



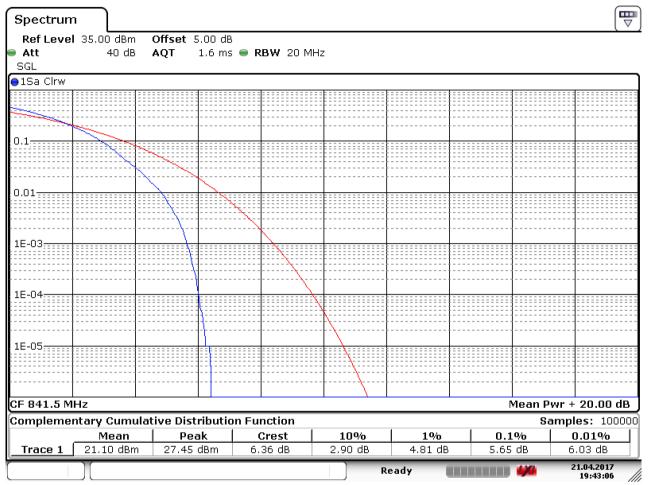
Date: 21.APR.2017 19:43:37



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2.1.1.2.3 Test Channel = HCH



Date: 21.APR.2017 19:43:06



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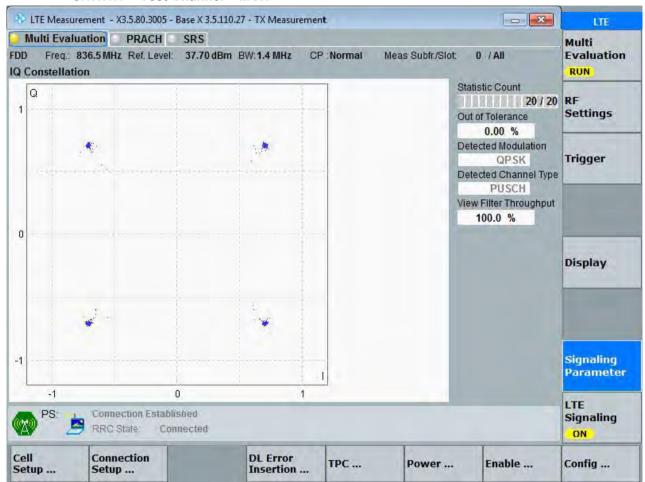
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3 Modulation Characteristics

3.1 For LTE

- 3.1.1 Test Band = LTE band26(824-849)
- 3.1.1.1 Test Mode = LTE /TM1 1.4MHz

3.1.1.1.1 Test Channel = MCH



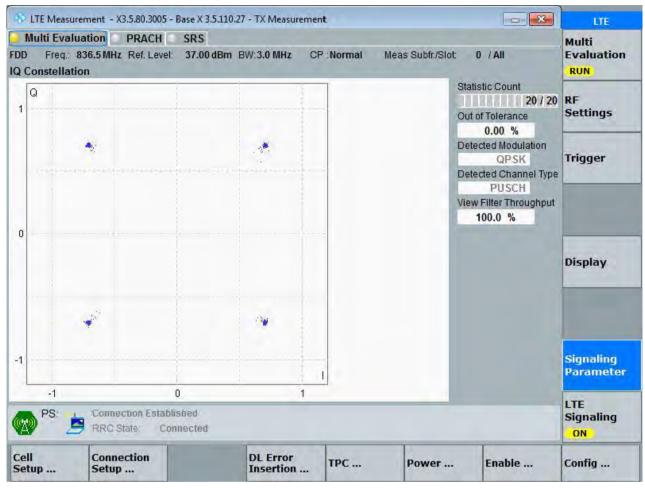


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3.1.1.2 Test Mode = LTE /TM1 3MHz

3.1.1.2.1 Test Channel = MCH



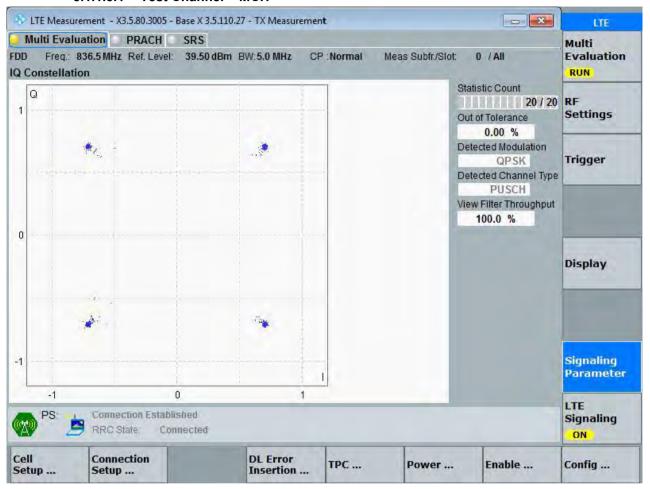


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3.1.1.3 Test Mode = LTE /TM1 5MHz

3.1.1.3.1 Test Channel = MCH



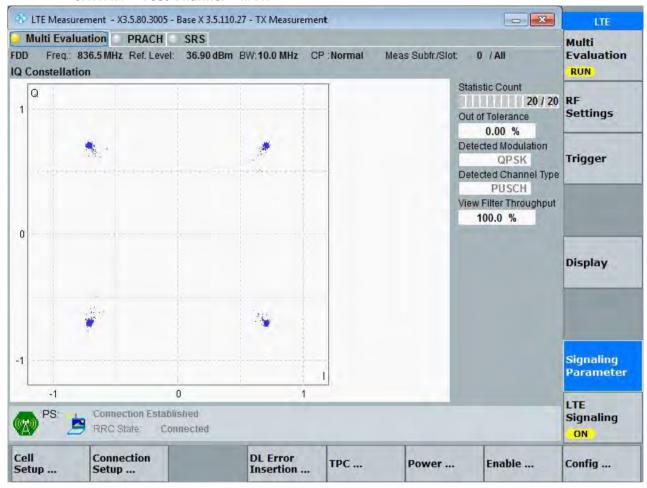


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3.1.1.4 Test Mode = LTE /TM1 10MHz

3.1.1.4.1 Test Channel = MCH



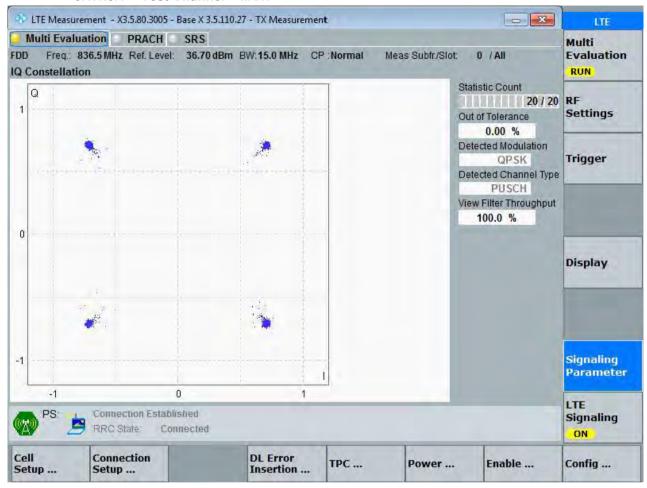


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3.1.1.5 Test Mode = LTE /TM1 15MHz

3.1.1.5.1 Test Channel = MCH



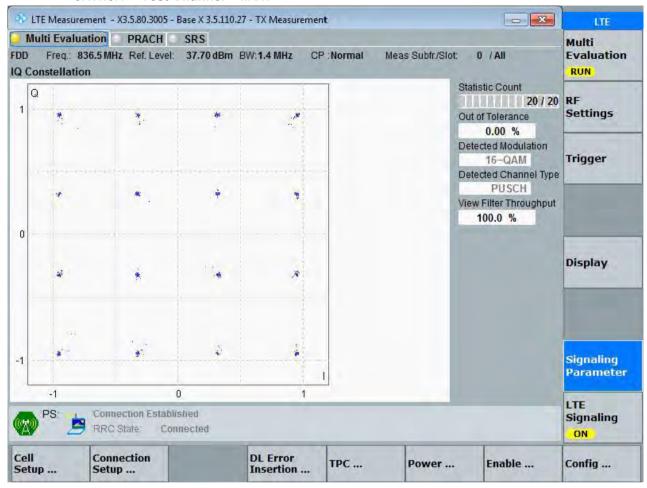


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3.1.1.6 Test Mode = LTE /TM2 1.4MHz

3.1.1.6.1 Test Channel = MCH



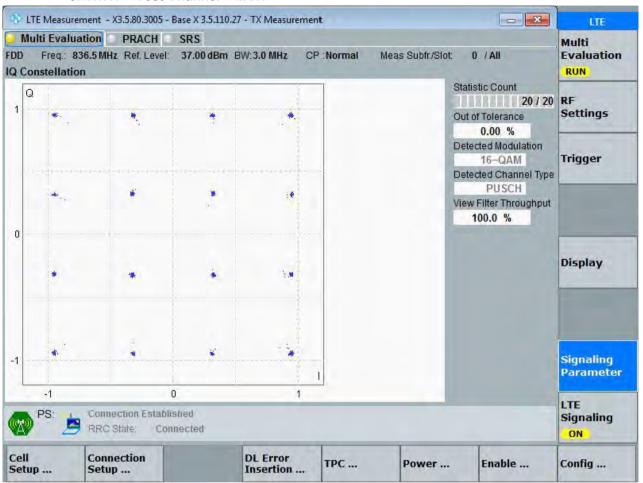


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3.1.1.7 Test Mode = LTE /TM2 3MHz

3.1.1.7.1 Test Channel = MCH



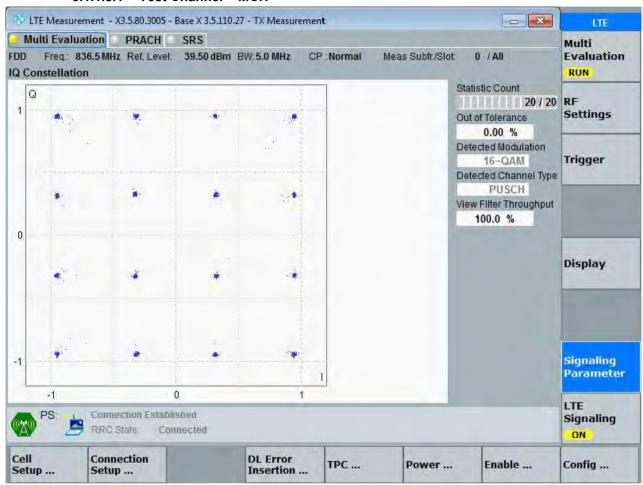


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3.1.1.8 Test Mode = LTE /TM2 5MHz

3.1.1.8.1 Test Channel = MCH



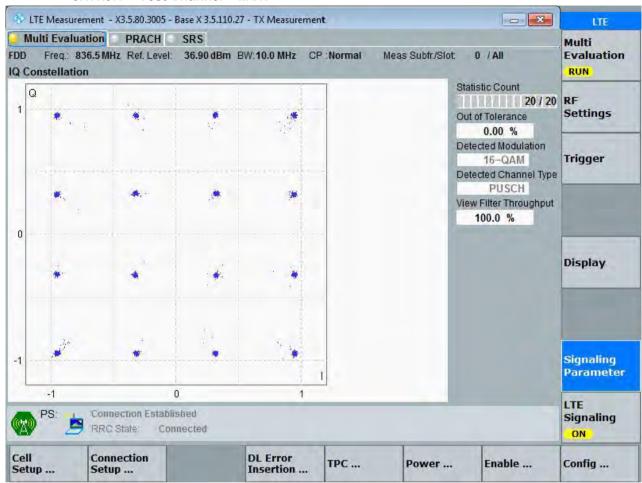


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3.1.1.9 Test Mode = LTE /TM2 10MHz

3.1.1.9.1 Test Channel = MCH



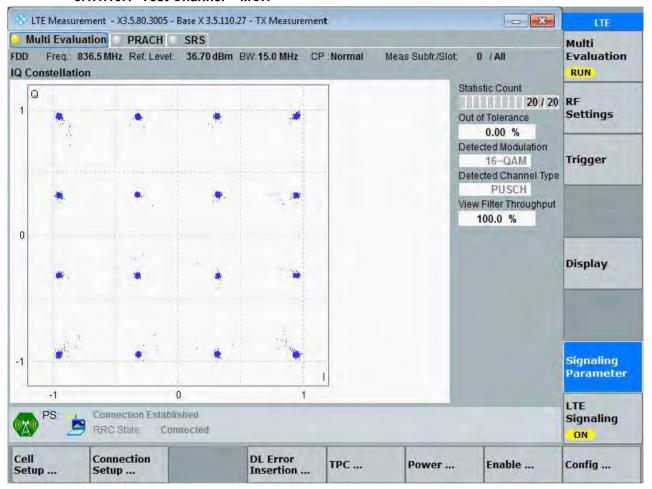


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3.1.1.10 Test Mode = LTE /TM2 15MHz

3.1.1.10.1 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
Band26 (824-849)	TM1/1.4MHz	LCH	1.10	1.32	PASS
		MCH	1.10	1.32	PASS
		HCH	1.10	1.32	PASS
	TM2/1.4MHz	LCH	1.10	1.30	PASS
		MCH	1.10	1.33	PASS
		HCH	1.10	1.32	PASS
	TM1/ 3MHz	LCH	2.69	2.94	PASS
		MCH	2.69	2.93	PASS
		HCH	2.70	2.96	PASS
	TM2/3MHz	LCH	2.69	2.94	PASS
		MCH	2.69	2.96	PASS
		HCH	2.69	2.95	PASS
	TM1/ 5MHz	LCH	4.49	4.98	PASS
		MCH	4.48	4.95	PASS
		HCH	4.50	4.98	PASS
	TM2/ 5MHz	LCH	4.50	4.95	4.98
		MCH	4.49	4.96	PASS
		HCH	4.50	4.98	PASS
	TM1/10MHz	LCH	8.95	9.87	PASS
		MCH	8.97	9.83	PASS
		HCH	8.91	9.65	PASS
	TM2/ 10MHz	LCH	8.93	9.77	PASS
		MCH	8.97	9.85	PASS
		HCH	8.93	9.67	PASS
	TM1/15MHz	LCH	13.55	14.94	PASS
		MCH	13.61	14.96	PASS
		HCH	13.40	14.74	PASS
	TM2/ 15MHz	LCH	13.52	14.76	PASS
		MCH	13.55	14.96	PASS
		HCH	13.46	14.80	PASS



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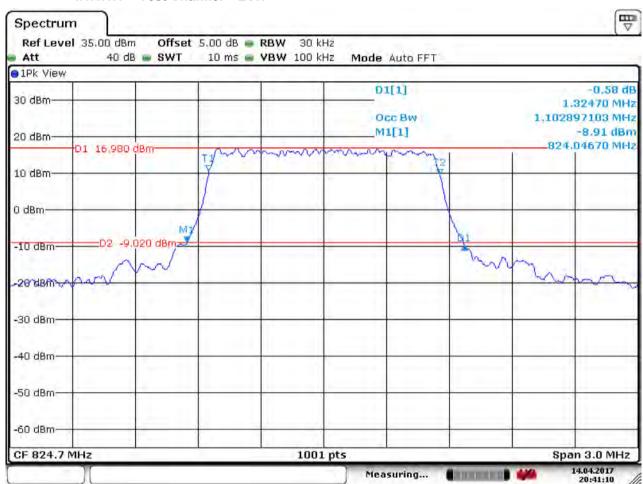
Part II -Test Plots

4.1 For LTE

4.1.1 Test Band = LTE band26(824-849)

4.1.1.1 Test Mode = LTE/TM1 1.4MHz

4.1.1.1.1 Test Channel = LCH

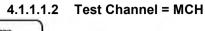


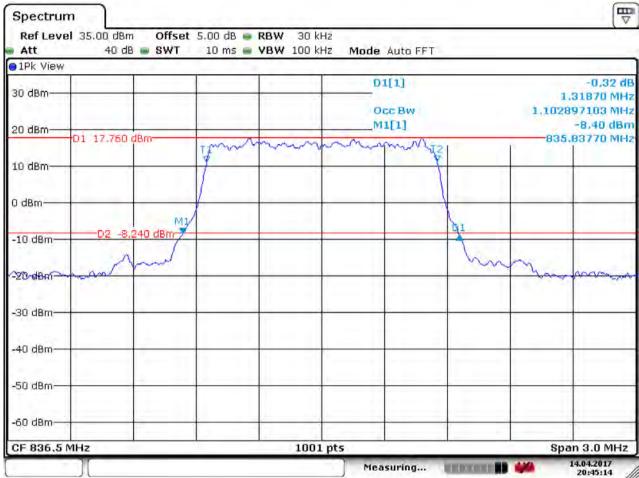
Date: 14.APR.2017 20:41:11



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Date: 14.APR.2017 20:45:15



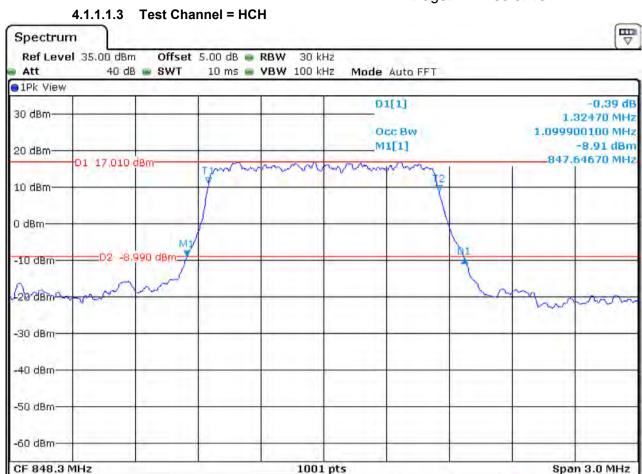
Measuring...

Report No.: SZEM170300261304

14.04.2017

20:46:13

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Date: 14.APR.2017 20:46:13

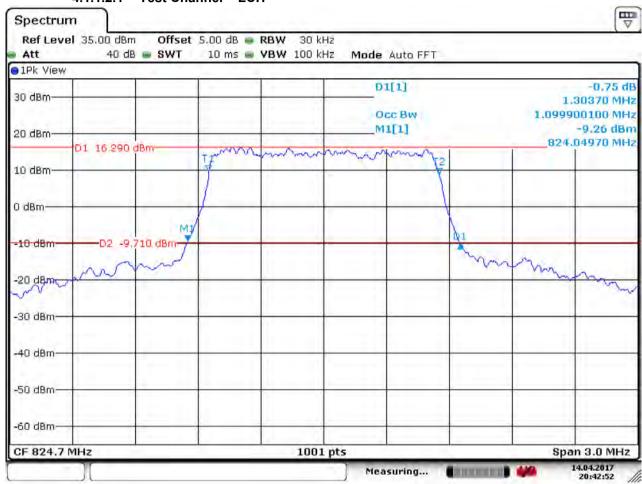


Report No.: SZEM170300261304

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4.1.1.2 Test Mode = LTE/TM2 1.4MHz

4.1.1.2.1 Test Channel = LCH



Date: 14.APR.2017 20:42:52



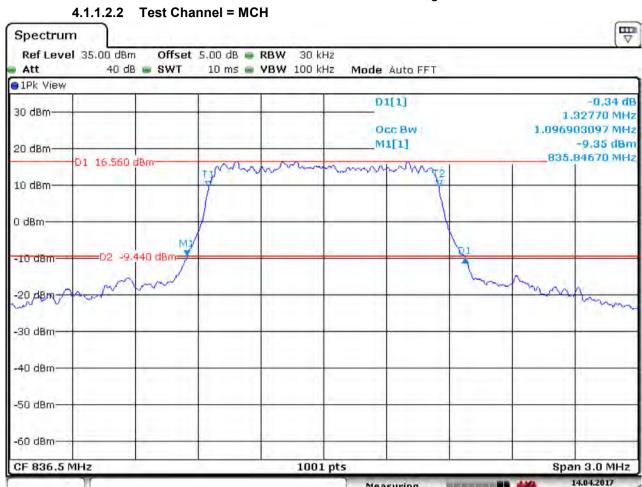
Report No.: SZEM170300261304

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DESCRIPTION AND ADDRESS OF THE PARTY NAMED IN

20:44:08

Measuring...



Date: 14.APR.2017 20:44:09



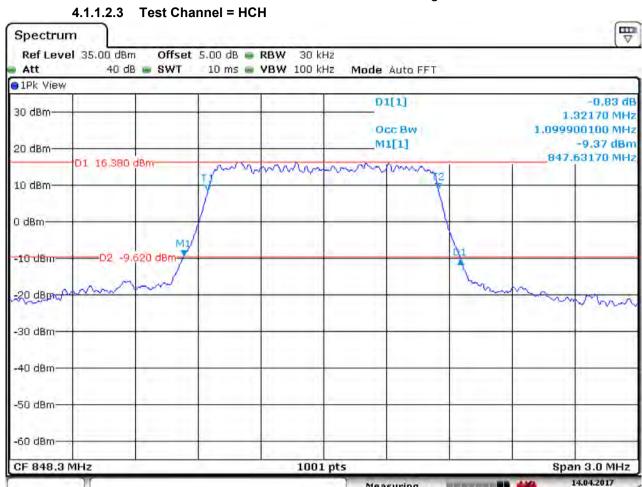
Report No.: SZEM170300261304

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DESCRIPTION AND ADDRESS OF THE PARTY NAMED IN

20:46:56

Measuring...



Date: 14.APR.2017 20:46:57

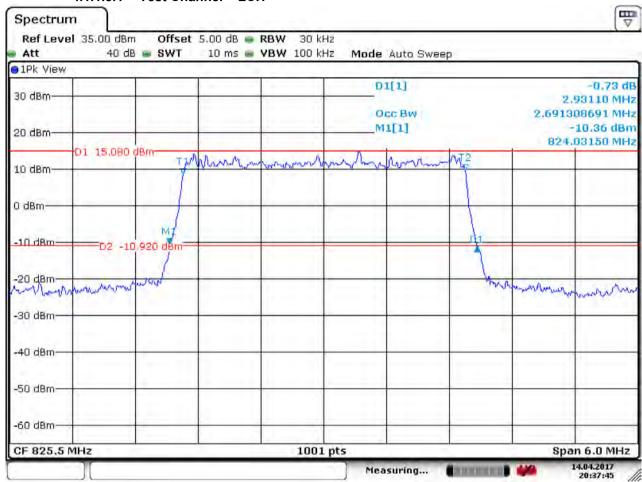


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4.1.1.3 Test Mode = LTE/TM1 3MHz

4.1.1.3.1 Test Channel = LCH



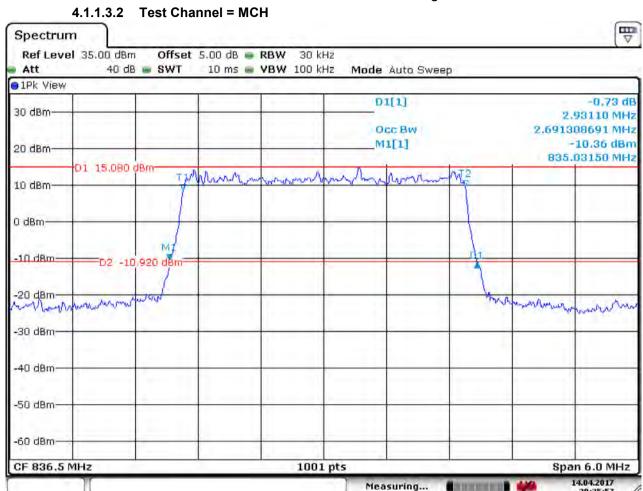
Date: 14.APR.2017 20:37:45



Report No.: SZEM170300261304

20:35:57

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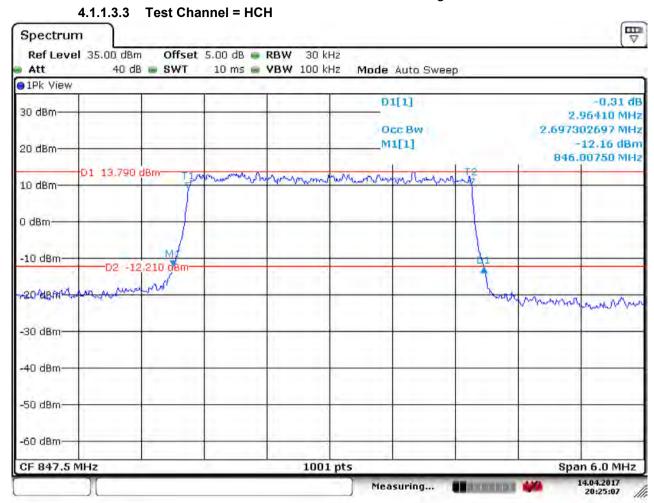


Date: 14.APR.2017 20:35:57



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Date: 14.APR.2017 20:25:08

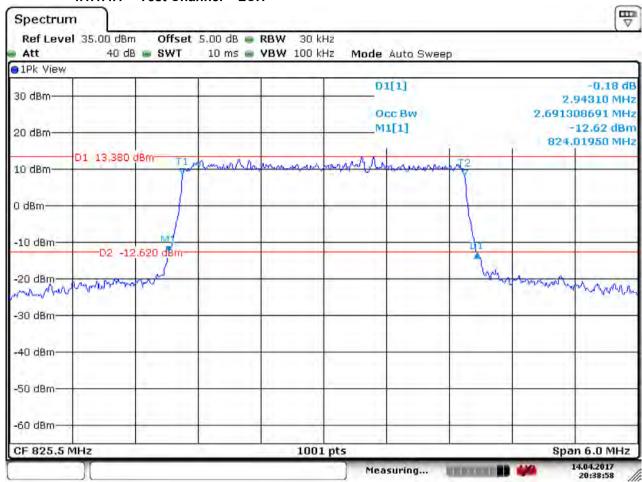


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4.1.1.4 Test Mode = LTE/TM2 3MHz

4.1.1.4.1 Test Channel = LCH

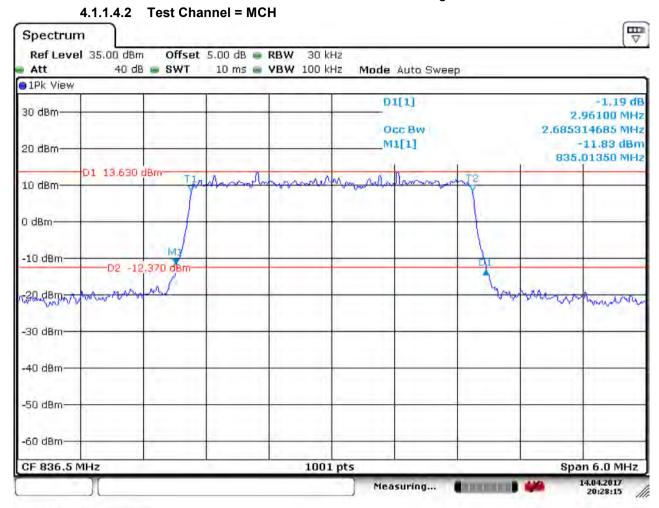


Date: 14.APR 2017 20:38:58



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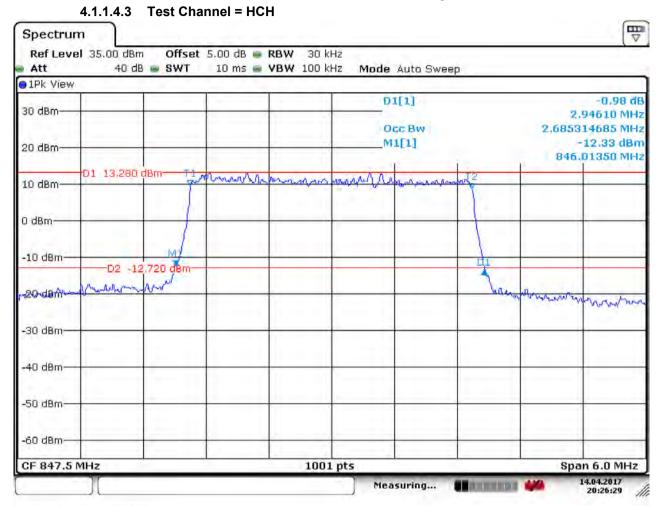


Date: 14.APR.2017 20:28:15



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Date: 14.APR.2017 20:26:30

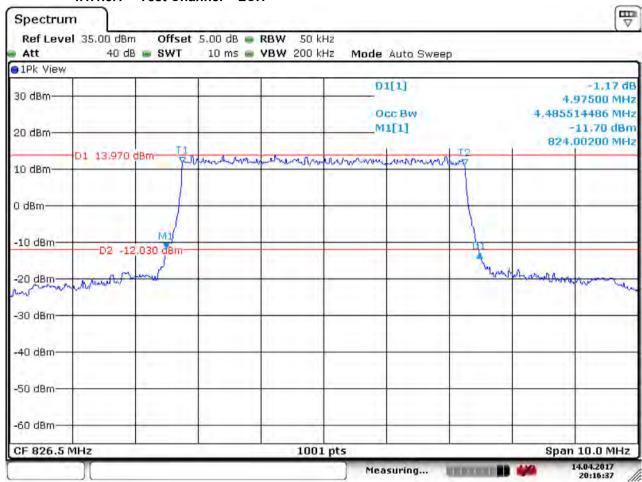


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4.1.1.5 Test Mode = LTE/TM1 5MHz

4.1.1.5.1 Test Channel = LCH

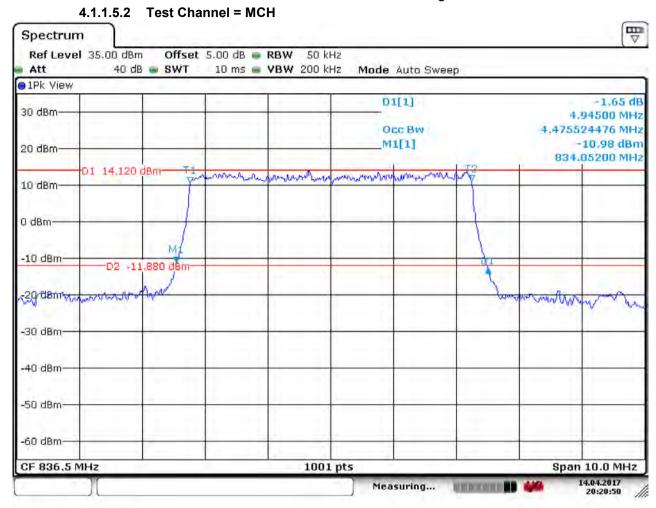


Date: 14.APR.2017 20:16:38



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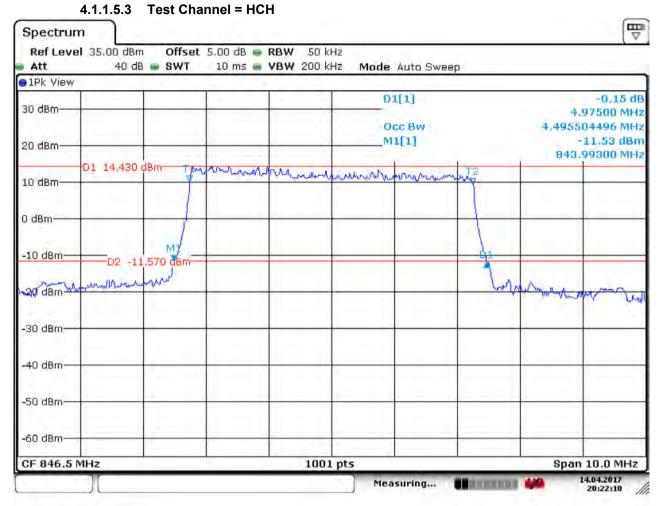


Date: 14.APR.2017 20:20:50



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Date: 14.APR.2017 20:22:10

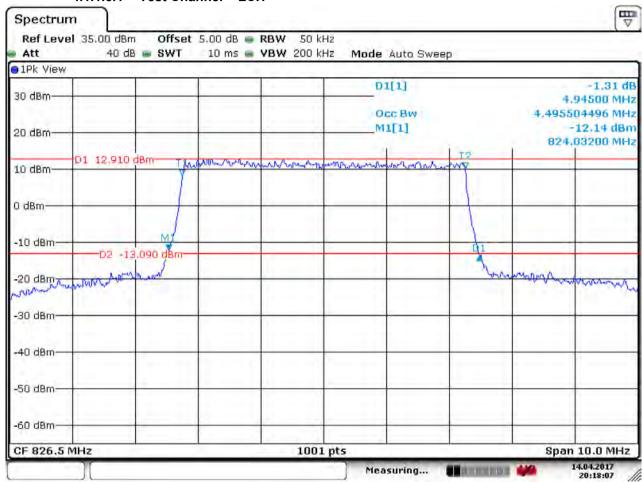


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4.1.1.6 Test Mode = LTE/TM2 5MHz

4.1.1.6.1 Test Channel = LCH

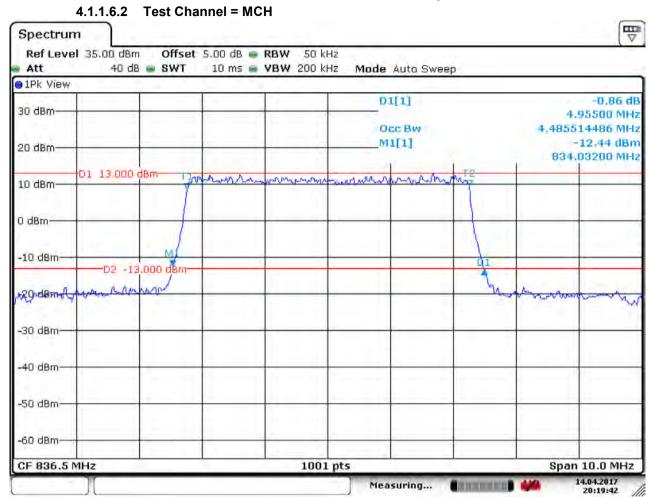


Date: 14.APR.2017 20:18:07



Report No.: SZEM170300261304

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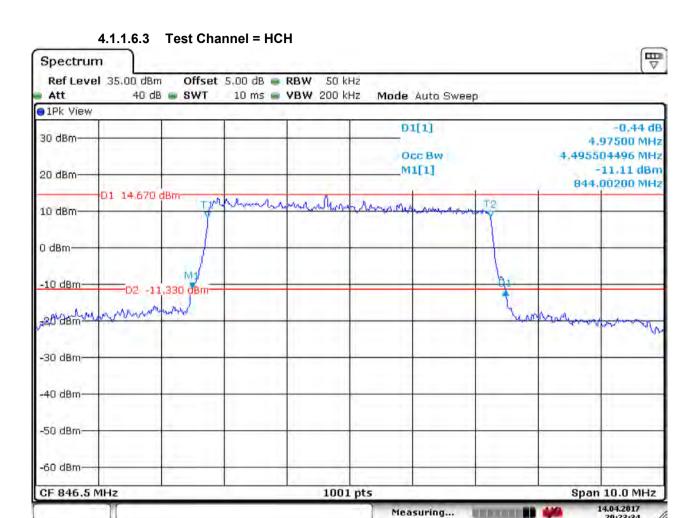


Date: 14.APR.2017 20:19:42



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Date: 14.APR.2017 20:23:34

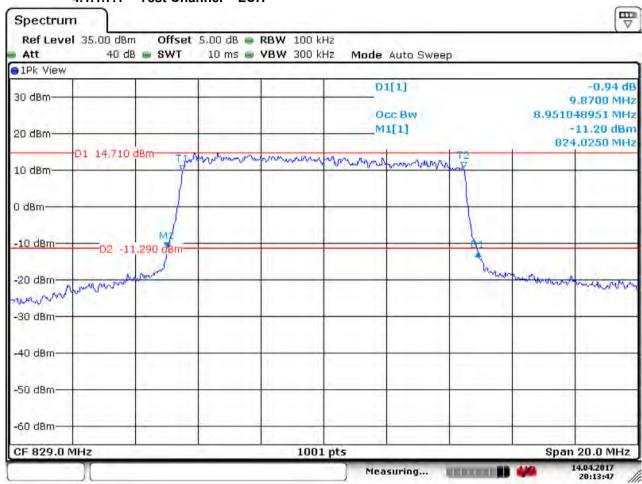


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4.1.1.7 Test Mode = LTE/TM1 10MHz

4.1.1.7.1 Test Channel = LCH

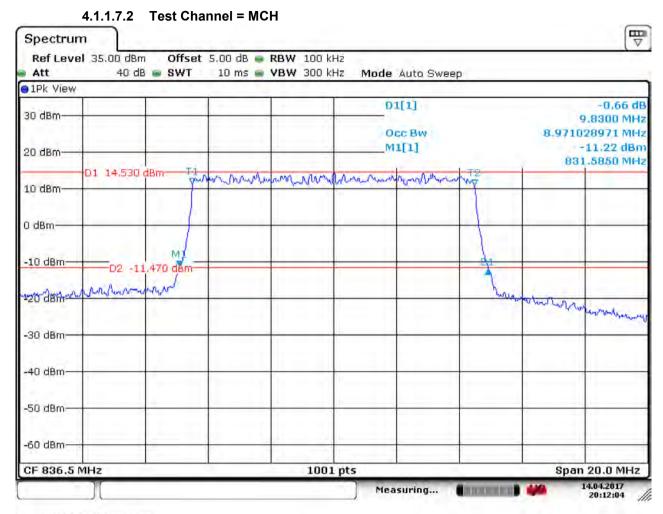


Date: 14.APR 2017 20:13:47



Report No.: SZEM170300261304

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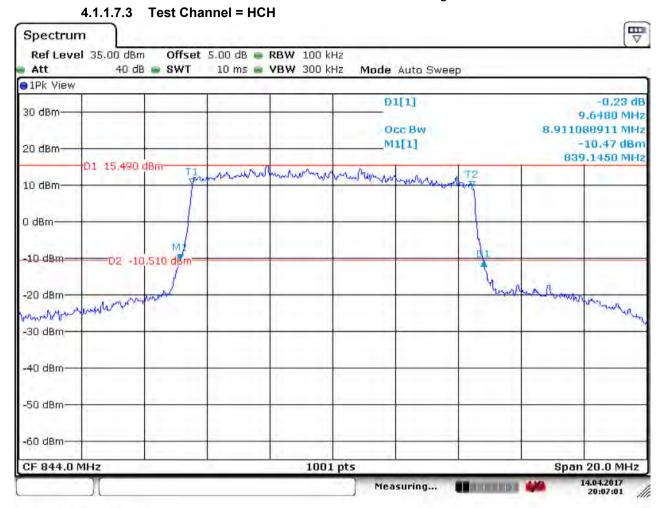


Date: 14.APR 2017 20:12:05



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Date: 14.APR.2017 20:07:02

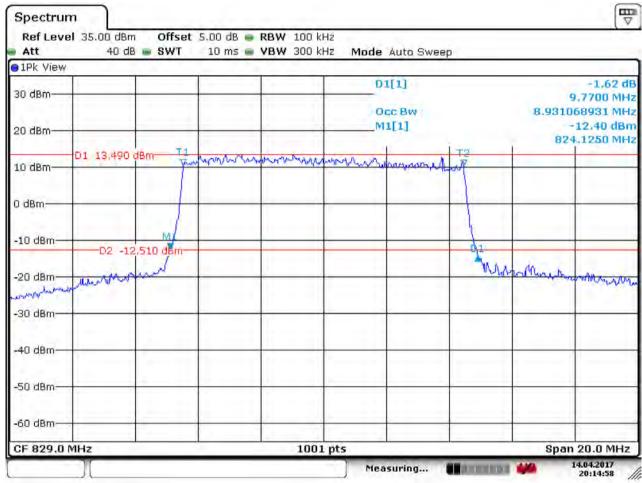


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4.1.1.8 Test Mode = LTE/TM2 10MHz

4.1.1.8.1 Test Channel = LCH



Date: 14.APR.2017 20:14:58



Report No.: SZEM170300261304

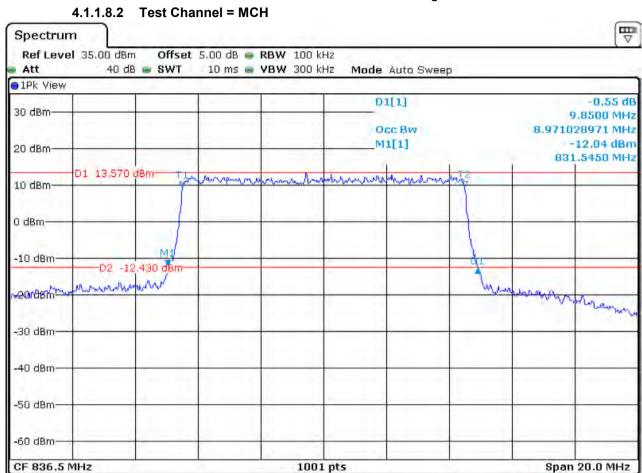
14.04.2017

20:10:19

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SECTION 100

Measuring...

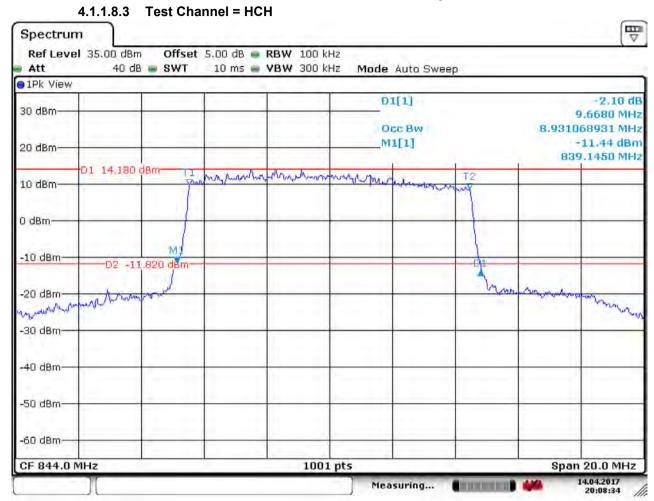


Date: 14.APR.2017 20:10:19



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Date: 14.APR.2017 20:08:35

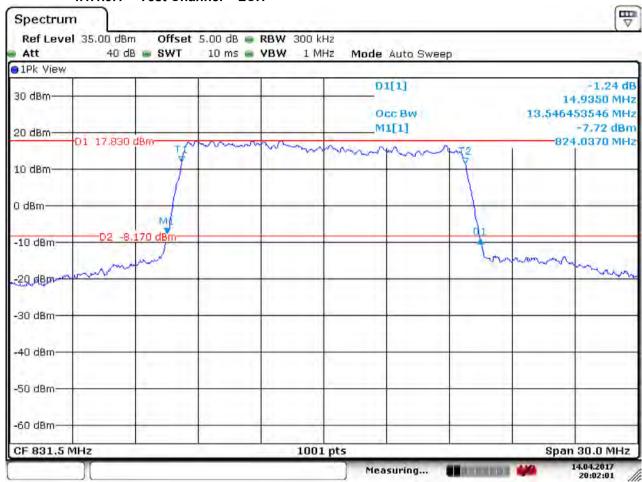


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4.1.1.9 Test Mode = LTE/TM1 15MHz

4.1.1.9.1 Test Channel = LCH

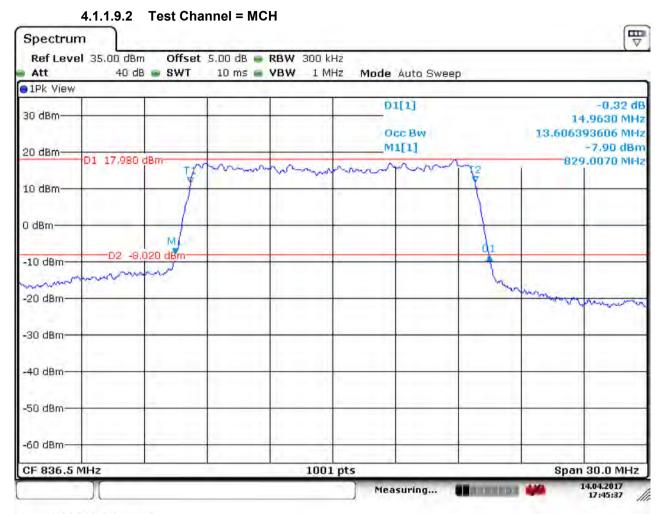


Date: 14.APR 2017 20:02:01



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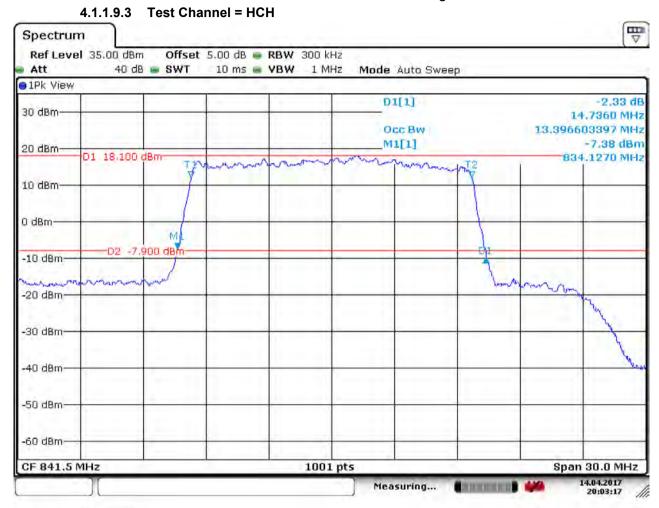


Date: 14.APR.2017 17:45:37



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Date: 14.APR.2017 20:03:18

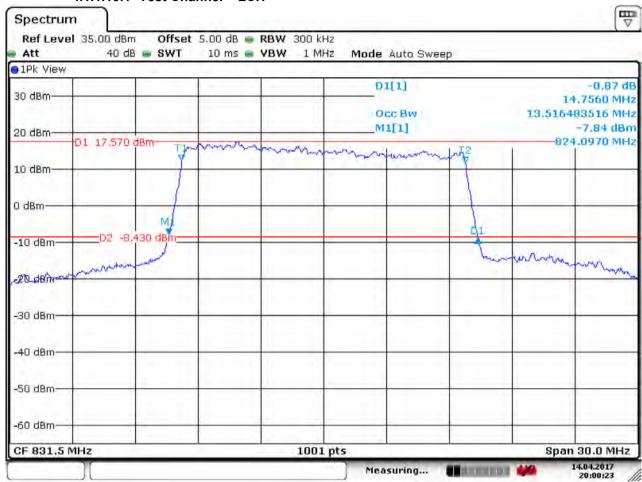


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4.1.1.10 Test Mode = LTE/TM2 15MHz

4.1.1.10.1 Test Channel = LCH



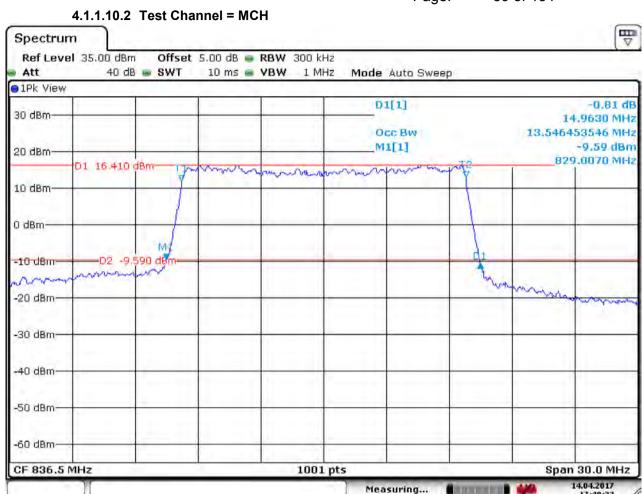
Date: 14.APR.2017 20:00:23



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17:48:33

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Date: 14.APR.2017 17:48:34



Report No.: SZEM170300261304

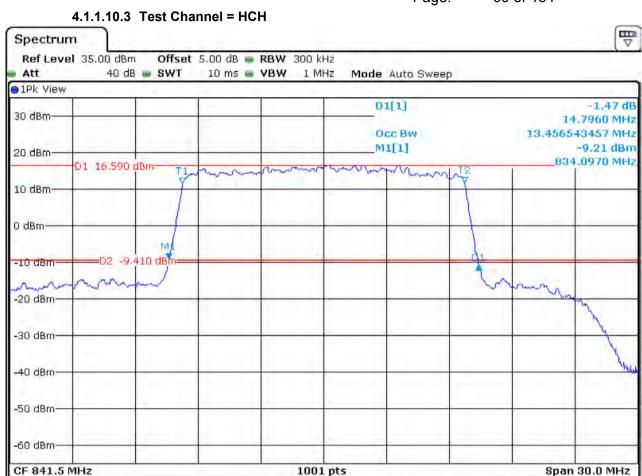
14.04.2017

20:04:43

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CHARLES ...

Measuring...



Date: 14.APR.2017 20:04:44



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5 Band Edges Compliance

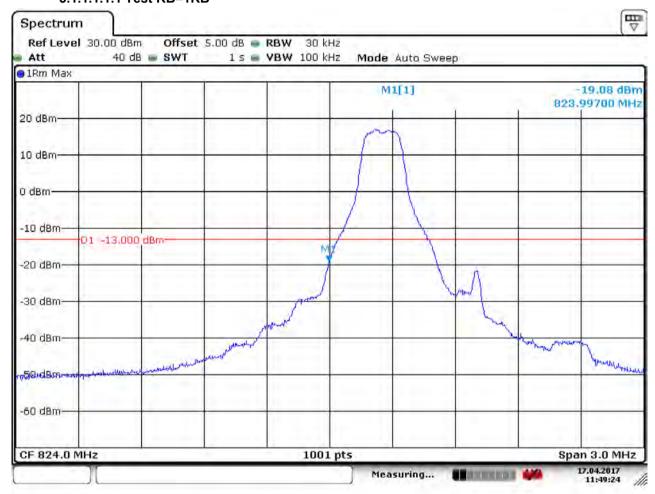
5.1 For LTE

5.1.1 Test Band = LTE band26(824-849)

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



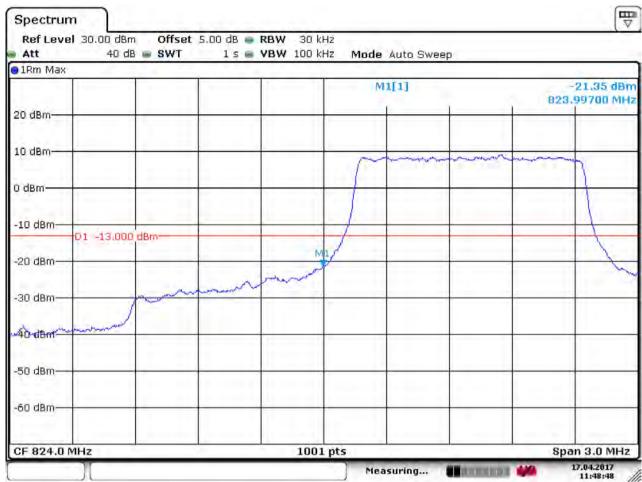
Date: 17.APR.2017 11:49:24



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5.1.1.1.1.2 Test RB=6RB



Date: 17.APR.2017 11:48:48

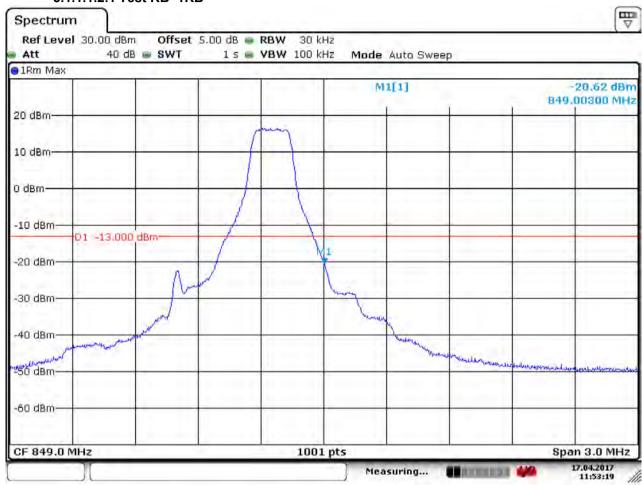


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5.1.1.1.2 Test Channel = HCH

5.1.1.1.2.1 Test RB=1RB



Date: 17.APR.2017 11:53:20



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5.1.1.1.2.2 Test RB=6RB



Date: 17.APR.2017 11:54:09

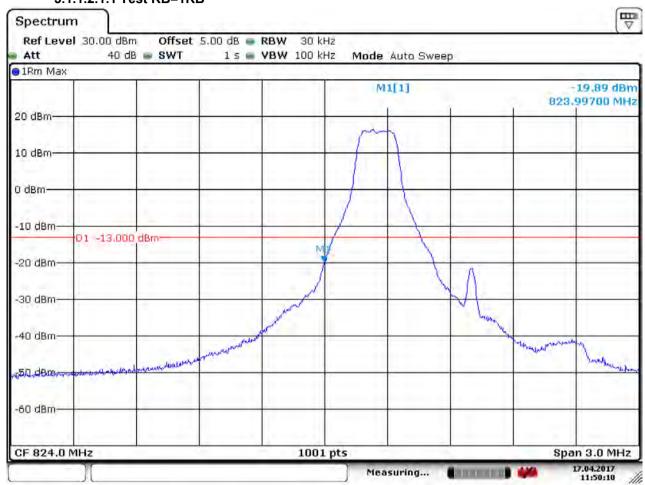


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5.1.1.2 Test Mode = LTE/TM2 1.4MHz 5.1.1.2.1 Test Channel = LCH

5.1.1.2.1.1 Test RB=1RB



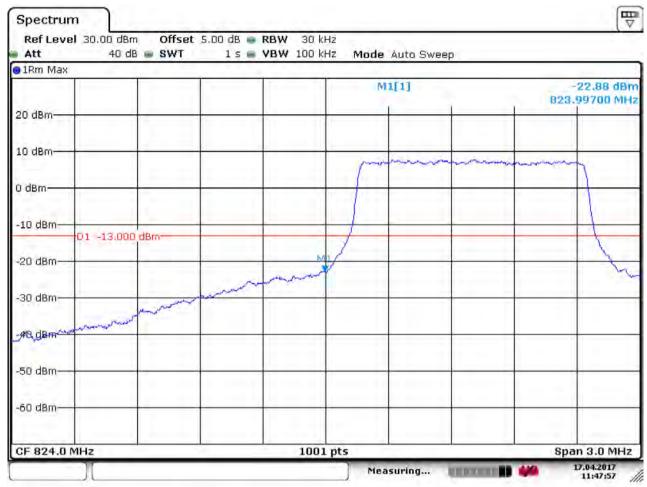
Date: 17.APR.2017 11:50:10



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5.1.1.2.1.2 Test RB=6RB



Date: 17.APR.2017 11:47:57

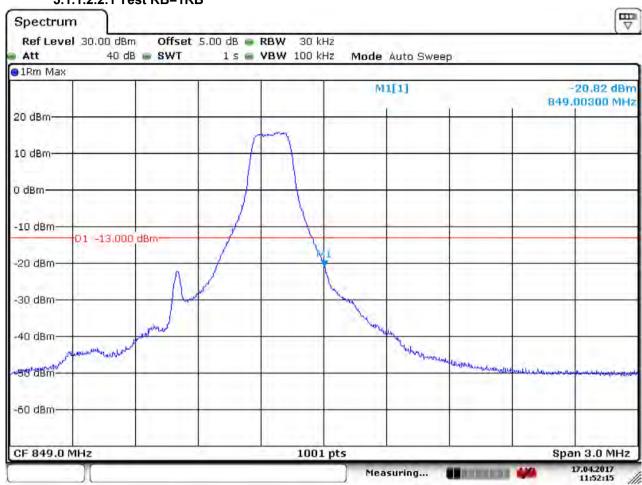


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5.1.1.2.2 Test Channel = HCH

5.1.1.2.2.1 Test RB=1RB



Date: 17.APR 2017 11:52:15



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5.1.1.2.2.2 Test RB=6RB



Date: 17.APR.2017 11:55:18

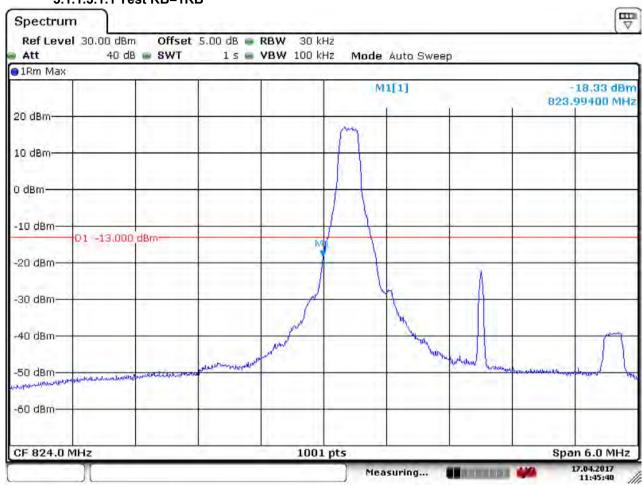


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5.1.1.3 Test Mode = LTE/TM1 3MHz 5.1.1.3.1 Test Channel = LCH

5.1.1.3.1.1 Test RB=1RB



Date: 17.APR 2017 11:45:40



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5.1.1.3.1.2 Test RB=15RB



Date: 17.APR.2017 11:46:13

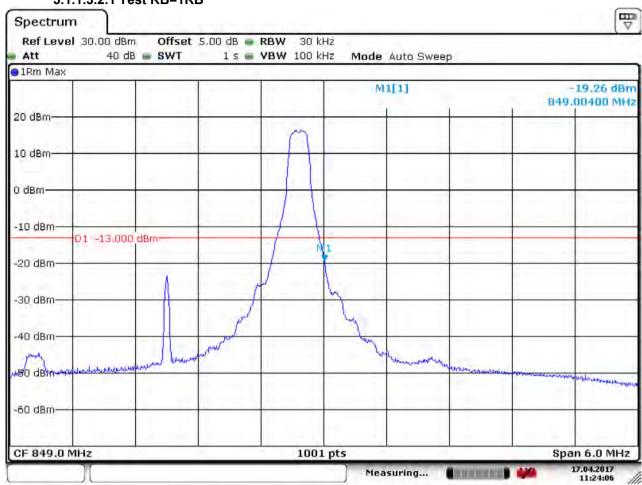


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5.1.1.3.2 Test Channel = HCH

5.1.1.3.2.1 Test RB=1RB



Date: 17.APR.2017 11:24:07



Report No.: SZEM170300261304

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5.1.1.3.2.2 Test RB=15RB



Date: 17.APR.2017 11:23:23

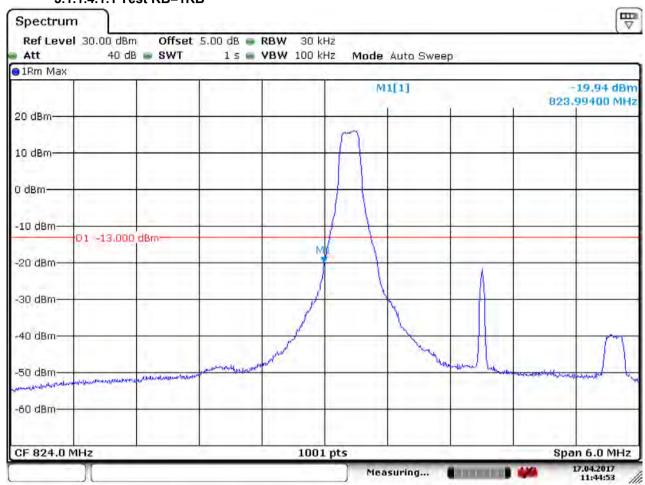


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5.1.1.4 Test Mode = LTE/TM2 3MHz 5.1.1.4.1 Test Channel = LCH

5.1.1.4.1.1 Test RB=1RB



Date: 17.APR.2017 11:44:54



Report No.: SZEM170300261304

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5.1.1.4.1.2 Test RB=15RB



Date: 17.APR.2017 11:46:59

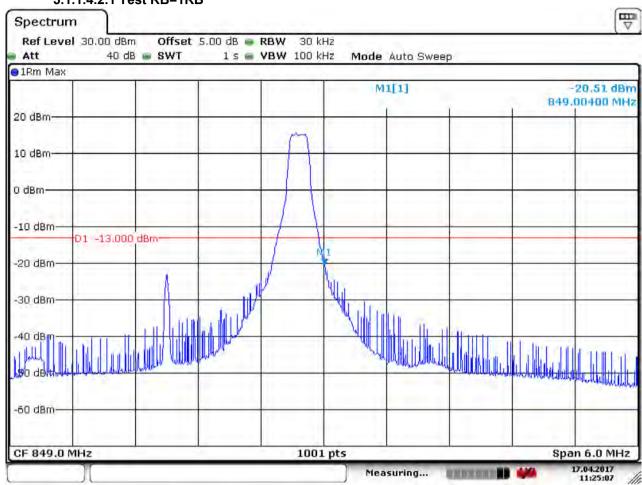


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5.1.1.4.2 Test Channel = HCH

5.1.1.4.2.1 Test RB=1RB



Date: 17.APR.2017 11:25:07



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5.1.1.4.3 Test RB=15RB



Date: 17.APR.2017 11:22:40

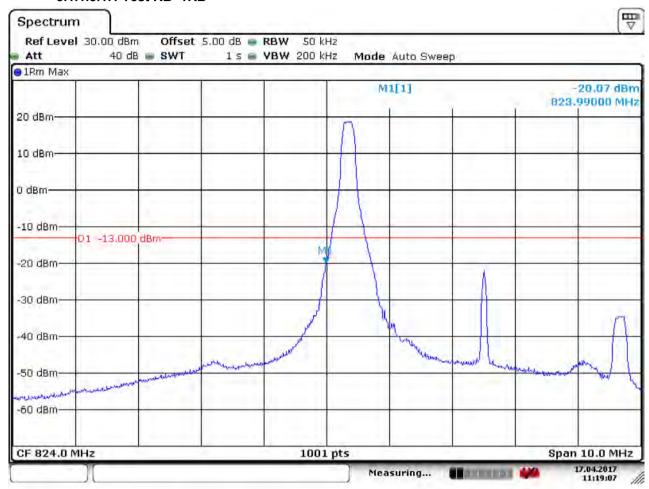


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5.1.1.5 Test Mode = LTE/TM1 5MHz 5.1.1.5.1 Test Channel = LCH

5.1.1.5.1.1 Test RB=1RB



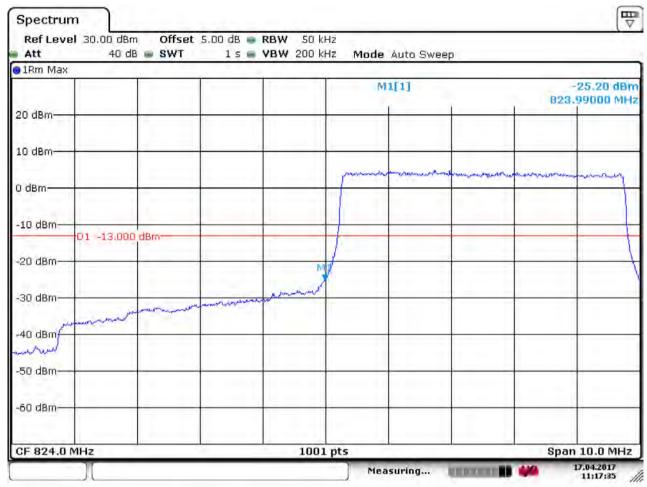
Date: 17.APR 2017 11:19:07



Report No.: SZEM170300261304

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5.1.1.5.1.2 Test RB=25RB



Date: 17.APR 2017 11:17:35

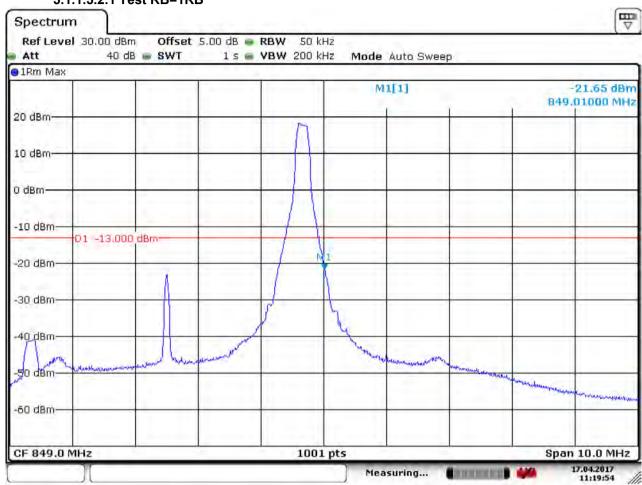


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5.1.1.5.2 Test Channel = HCH

5.1.1.5.2.1 Test RB=1RB



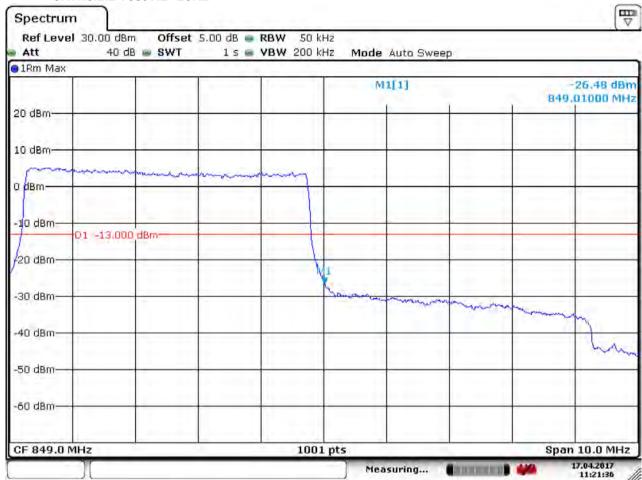
Date: 17.APR.2017 11:19:54



Report No.: SZEM170300261304

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5.1.1.5.2.2 Test RB=25RB



Date: 17.APR.2017 11:21:37

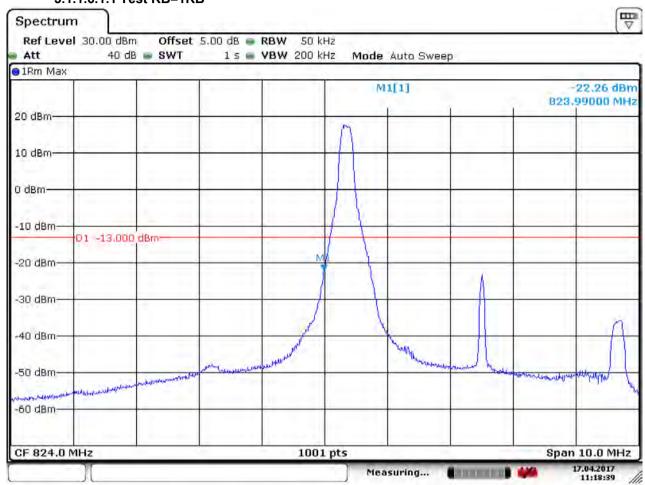


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5.1.1.6 Test Mode = LTE/TM2 5MHz 5.1.1.6.1 Test Channel = LCH

5.1.1.6.1.1 Test RB=1RB



Date: 17.APR.2017 11:18:40



Report No.: SZEM170300261304

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5.1.1.6.1.2 Test RB=25RB



Date: 17.APR 2017 11:18:13

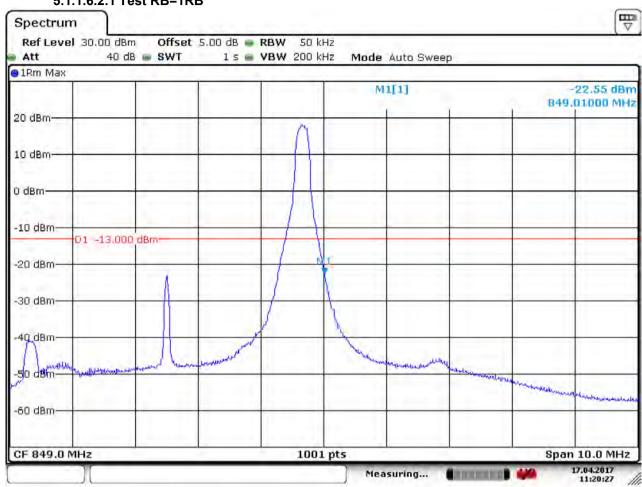


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5.1.1.6.2 Test Channel = HCH

5.1.1.6.2.1 Test RB=1RB



Date: 17.APR.2017 11:20:27



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5.1.1.6.2.2 Test RB=25RB



Date: 17.APR 2017 11:21:03

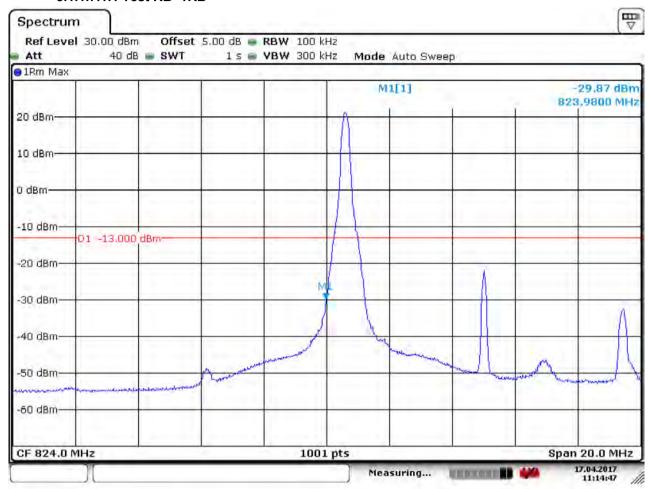


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5.1.1.7 Test Mode = LTE/TM1 10MHz 5.1.1.7.1 Test Channel = LCH

5.1.1.7.1.1 Test RB=1RB



Date: 17.APR.2017 11:14:47



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5.1.1.7.1.2 Test RB=50RB



Date: 17.APR.2017 11:11:08

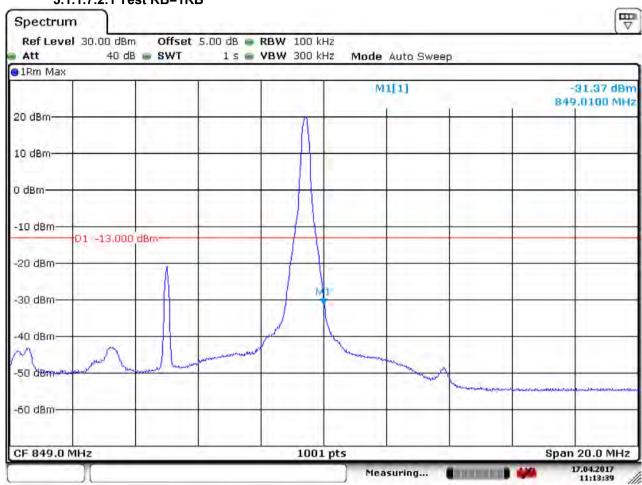


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5.1.1.7.2 Test Channel = HCH

5.1.1.7.2.1 Test RB=1RB



Date: 17.APR.2017 11:13:39



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5.1.1.7.2.2 Test RB=50RB



Date: 17.APR.2017 11:11:08

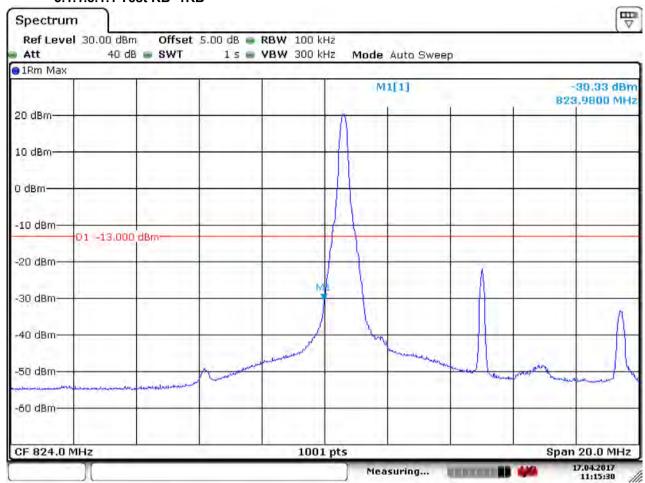


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5.1.1.8 Test Mode = LTE/TM2 10MHz 5.1.1.8.1 Test Channel = LCH

5.1.1.8.1.1 Test RB=1RB



Date: 17.APR.2017 11:15:30



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5.1.1.8.1.2 Test RB=50RB



Date: 17.APR.2017 11:16:10

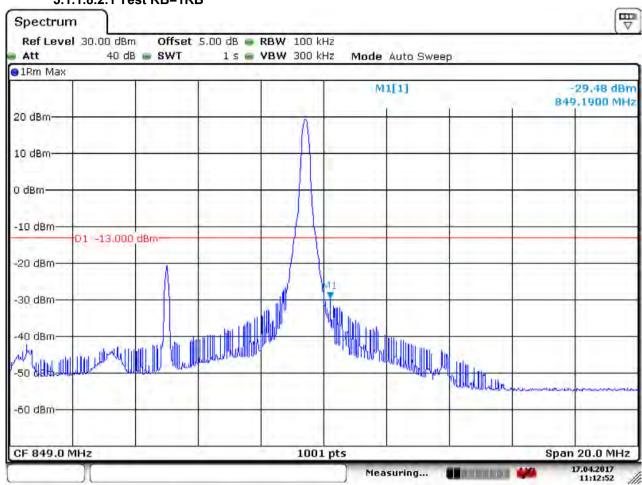


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5.1.1.8.2 Test Channel = HCH

5.1.1.8.2.1 Test RB=1RB



Date: 17.APR.2017 11:12:53



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5.1.1.8.2.2 Test RB=50RB



Date: 17.APR.2017 11:11:47

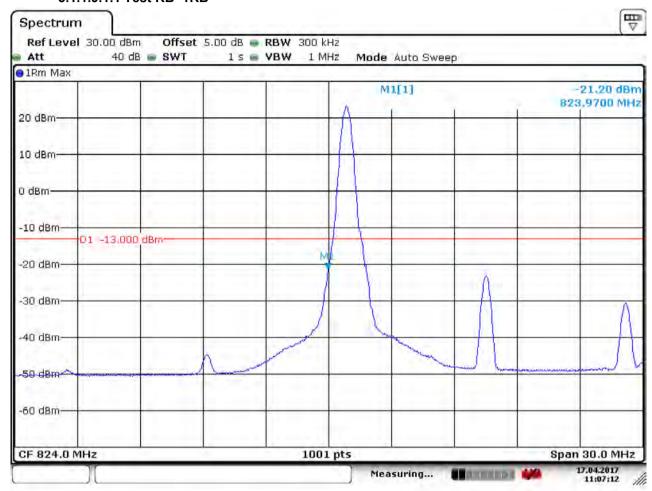


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5.1.1.9 Test Mode = LTE/TM1 15MHz 5.1.1.9.1 Test Channel = LCH

5.1.1.9.1.1 Test RB=1RB



Date: 17.APR.2017 11:07:13



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5.1.1.9.1.2 Test RB=75RB



Date: 17.APR.2017 11:05:24

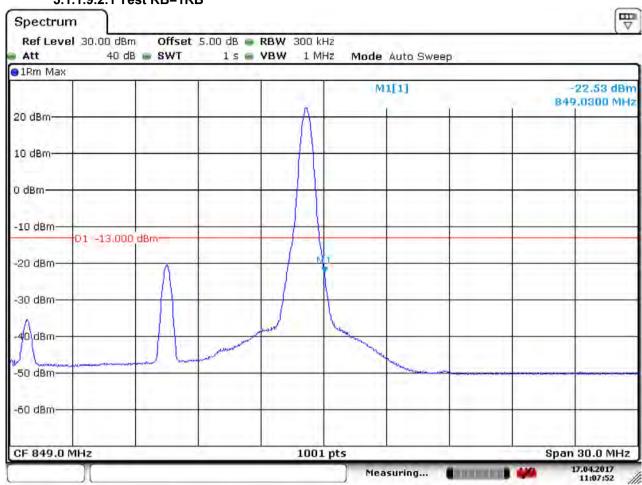


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5.1.1.9.2 Test Channel = HCH

5.1.1.9.2.1 Test RB=1RB



Date: 17.APR.2017 11:07:52



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5.1.1.9.2.2 Test RB=75RB



Date: 17.APR.2017 11:09:50

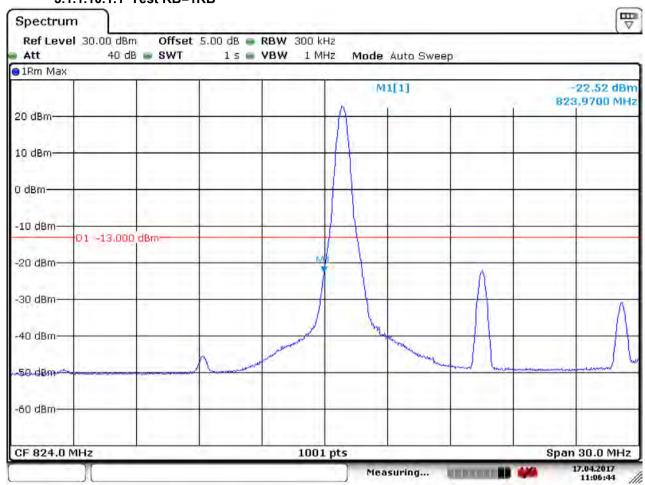


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5.1.1.10 Test Mode = LTE/TM2 15MHz 5.1.1.10.1 Test Channel = LCH

5.1.1.10.1.1 Test RB=1RB



Date: 17.APR.2017 11:06:44



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5.1.1.10.1.2 Test RB=75RB



Date: 17.APR.2017 11:06:03

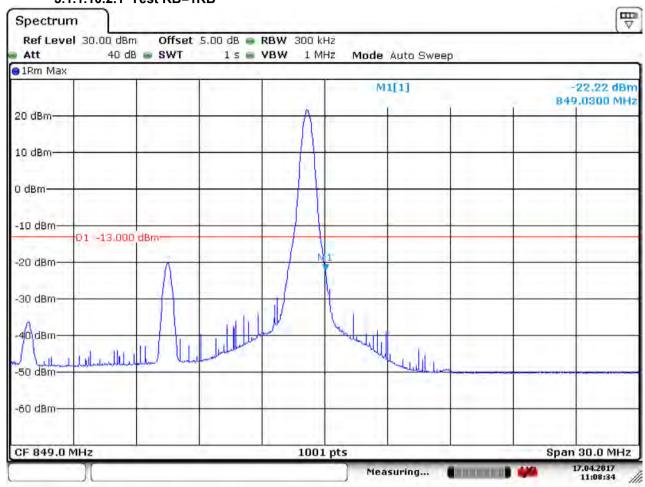


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5.1.1.10.2 Test Channel = HCH

5.1.1.10.2.1 Test RB=1RB



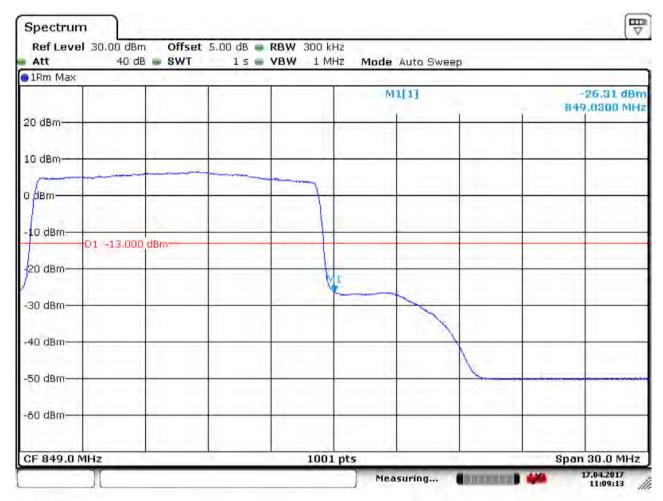
Date: 17.APR.2017 11:08:35



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5.1.1.10.2.2 Test RB=75RB



Date: 17.APR.2017 11:09:13



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

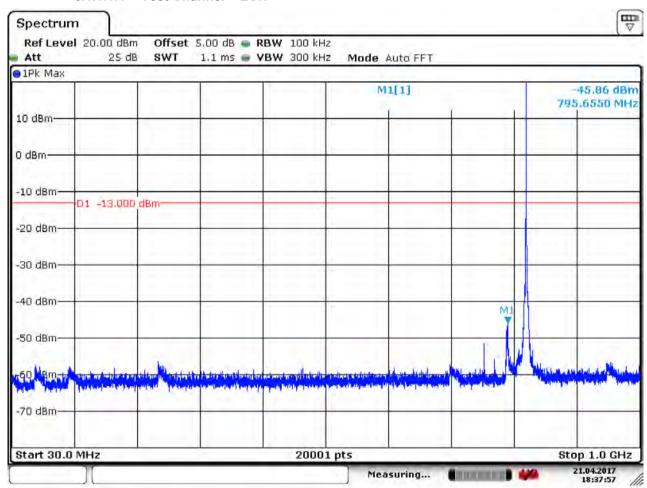
Part I - Test Plots

6.1 For LTE

6.1.1 Test Band = LTE band26(824-849)

6.1.1.1 Test Mode = LTE / TM1 1.4MHz RB1#0

6.1.1.1.1 Test Channel = LCH

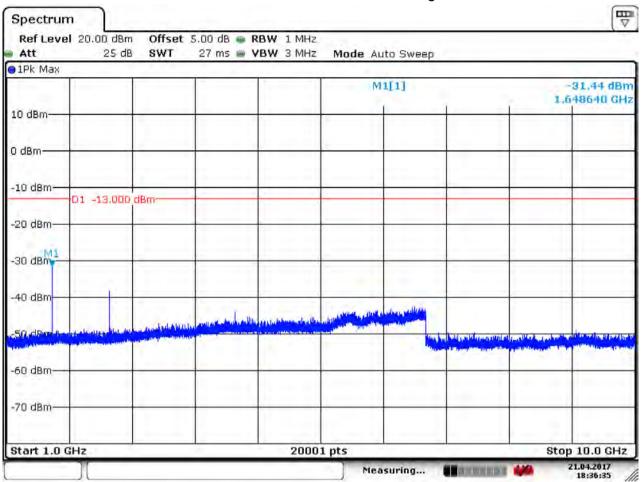


Date: 21.APR.2017 18:37:58



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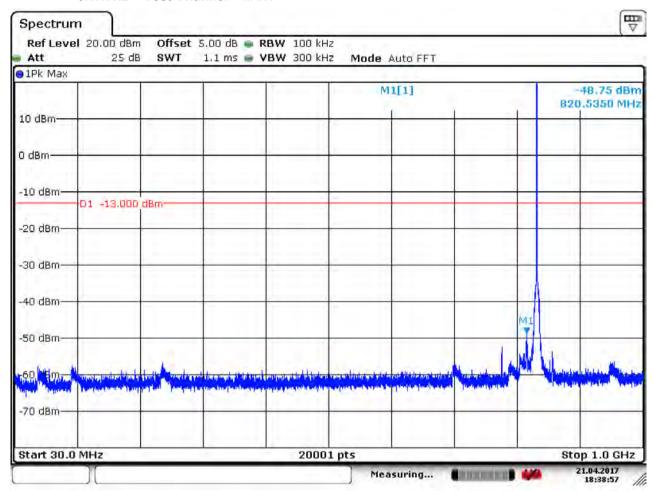
Date: 21.APR.2017 18:36:35



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6.1.1.1.2 Test Channel = MCH

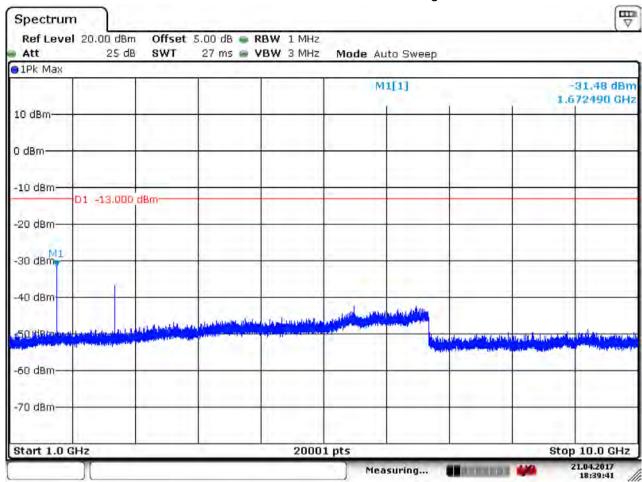


Date: 21.APR.2017 18:38:57



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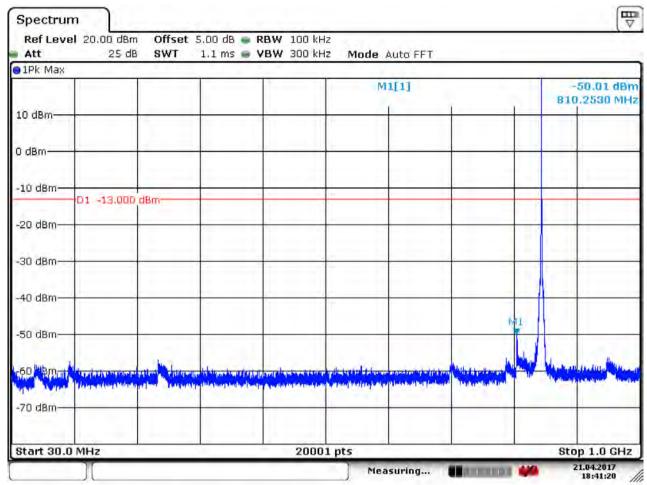
Date: 21.APR.2017 18:39:41



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6.1.1.1.3 Test Channel = HCH

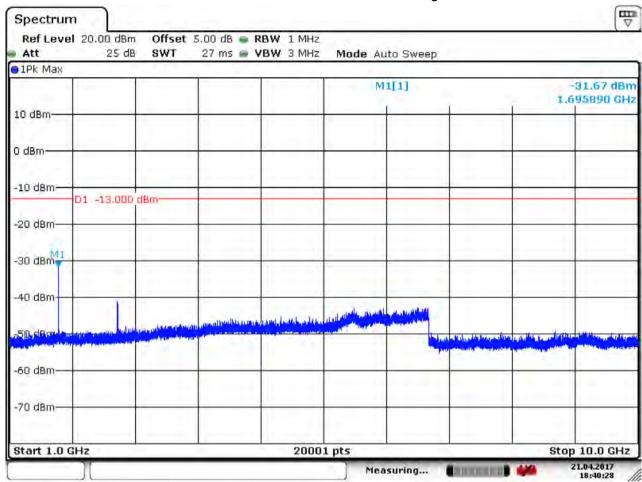


Date: 21.APR.2017 18:41:21



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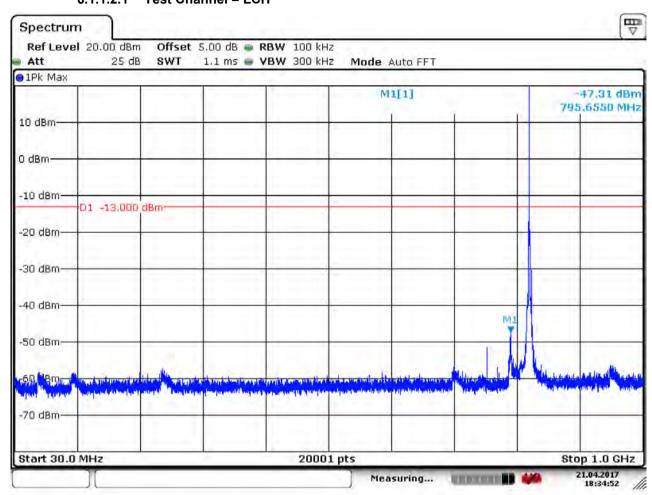
Date: 21.APR.2017 18:40:28



Report No.: SZEM170300261304

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6.1.1.2 Test Mode = LTE / TM1 3MHz RB1#0 6.1.1.2.1 Test Channel = LCH

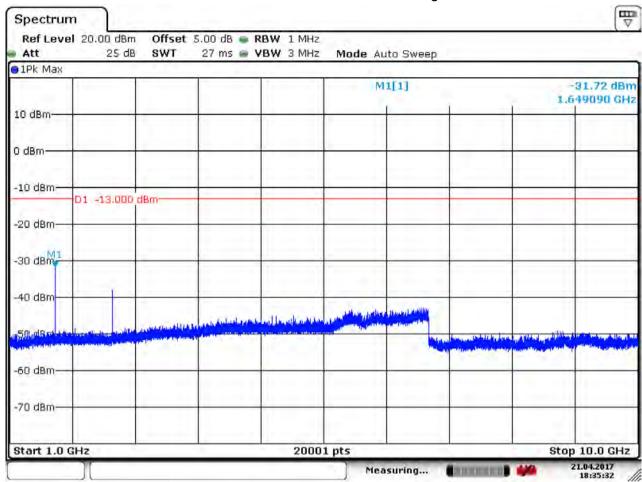


Date: 21.APR.2017 18:34:52



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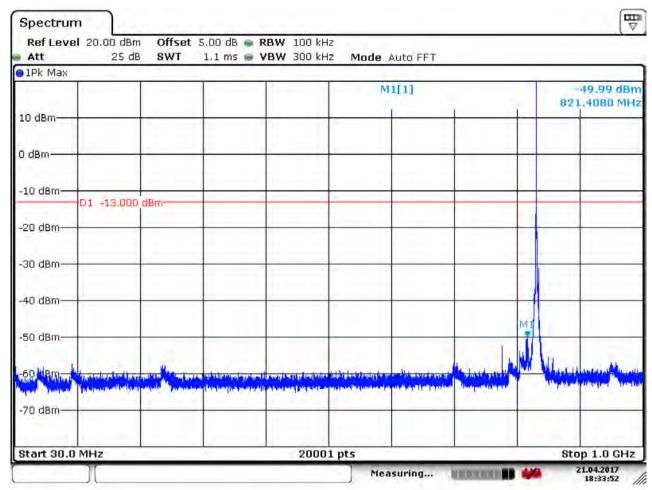
Date: 21.APR.2017 18:35:32



Report No.: SZEM170300261304

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6.1.1.2.2 Test Channel = MCH

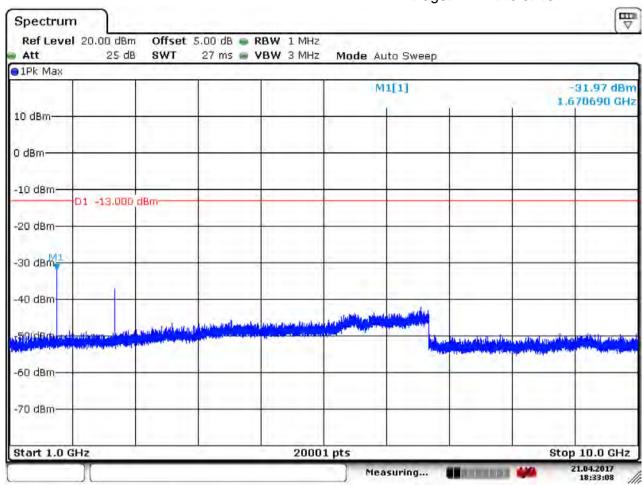


Date: 21.APR.2017 18:33:52



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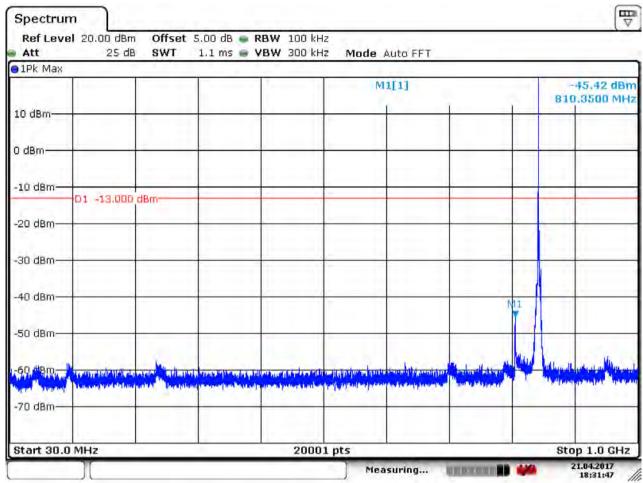
Date: 21.APR.2017 18:33:08



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6.1.1.2.3 Test Channel = HCH

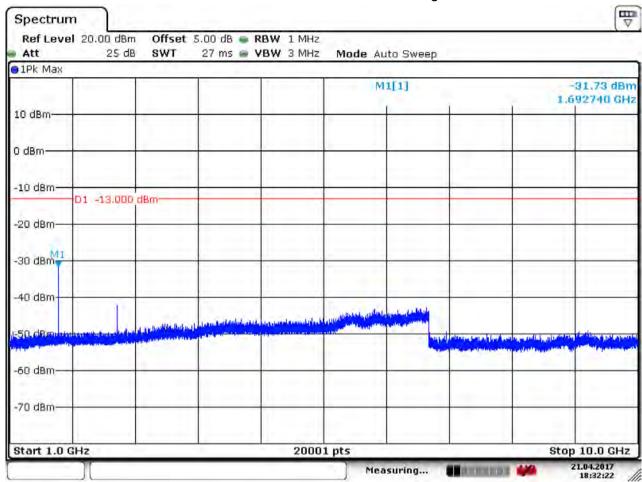


Date: 21.APR.2017 18:31:47



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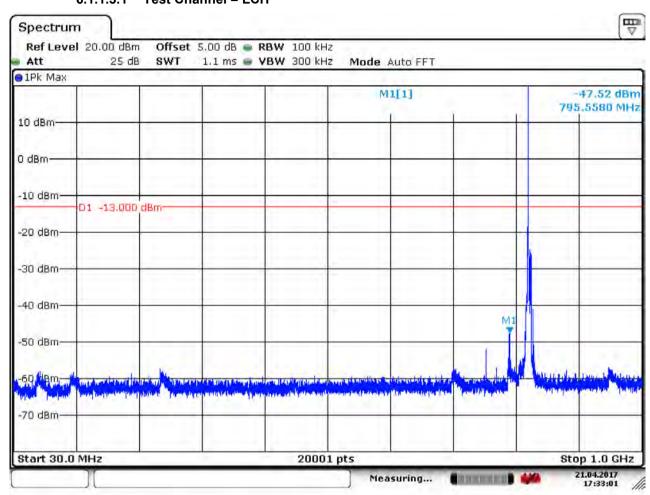
Date: 21.APR.2017 18:32:22



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6.1.1.3 Test Mode = LTE / TM1 5MHz RB1#0 6.1.1.3.1 Test Channel = LCH

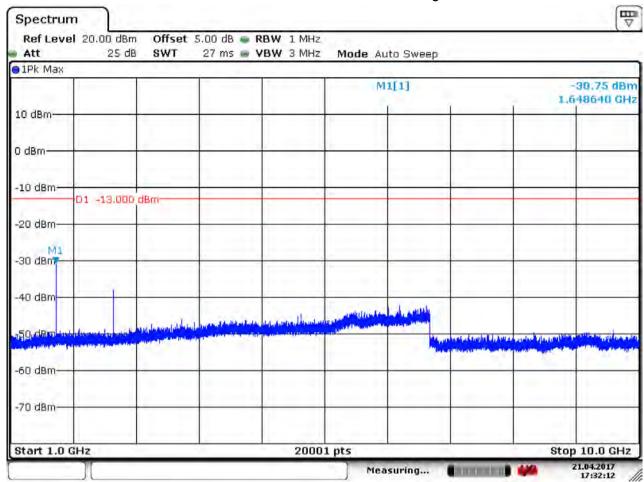


Date: 21.APR.2017 17:33:01



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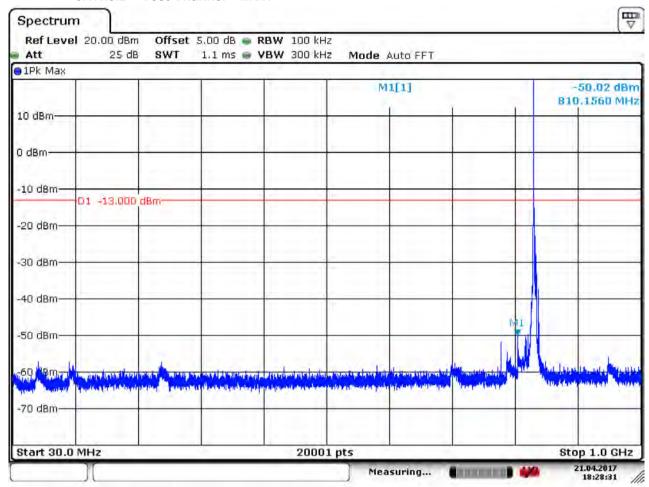
Date: 21.APR.2017 17:32:12



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6.1.1.3.2 Test Channel = MCH

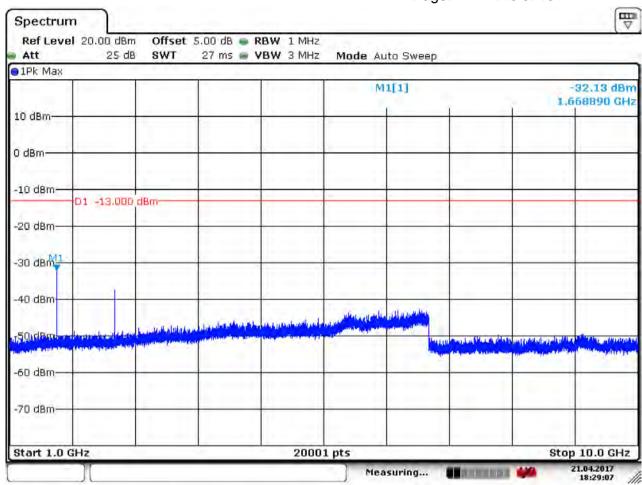


Date: 21.APR.2017 18:28:32



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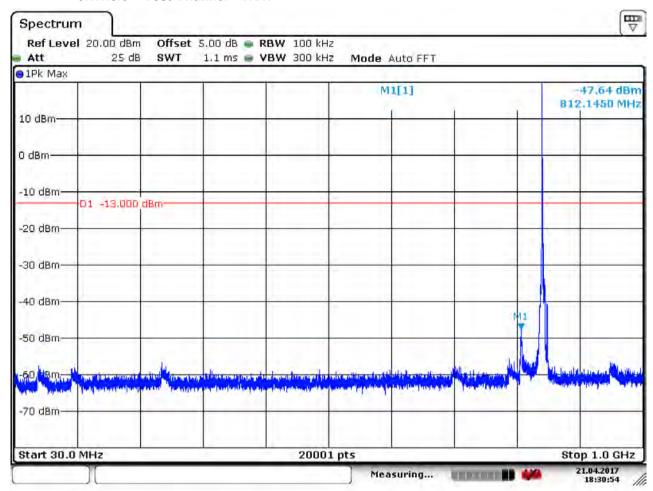
Date: 21.APR.2017 18:29:07



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6.1.1.3.3 Test Channel = HCH

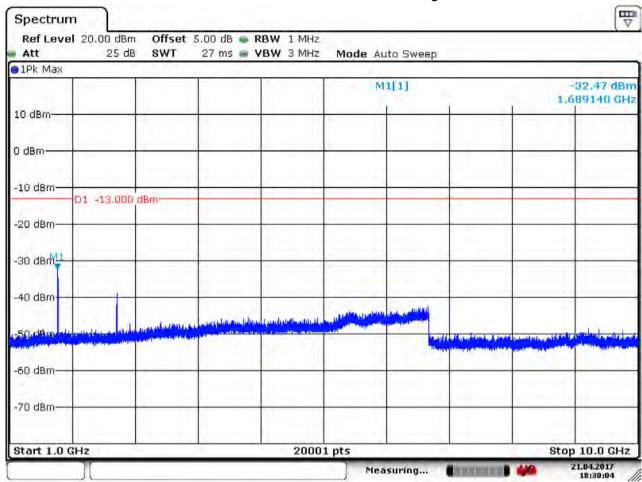


Date: 21.APR.2017 18:30:54



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Date: 21.APR.2017 18:30:04

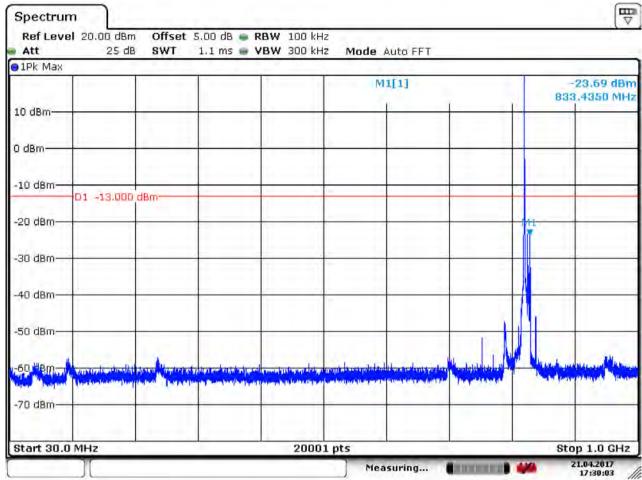


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6.1.1.4 Test Mode = LTE / TM1 10MHz RB1#0



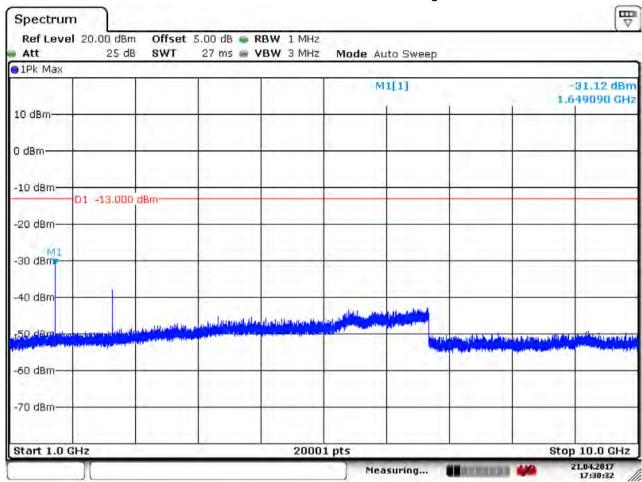


Date: 21.APR.2017 17:30:03



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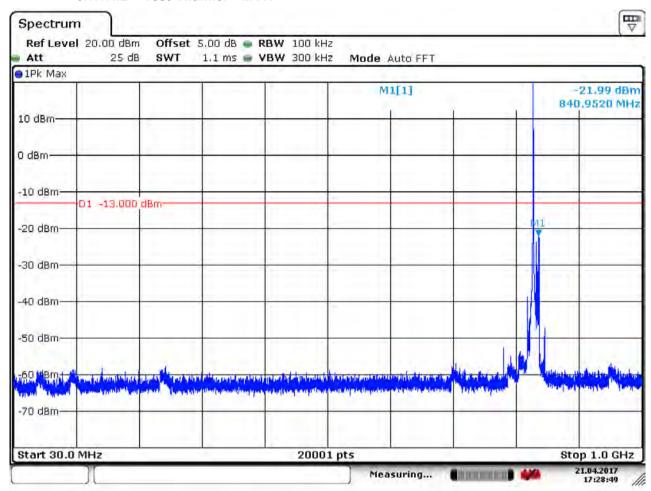
Date: 21.APR.2017 17:30:33



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6.1.1.4.2 Test Channel = MCH

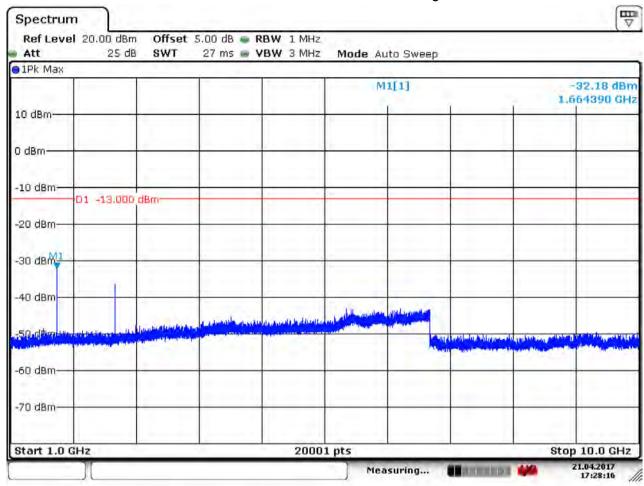


Date: 21.APR.2017 17:28:49



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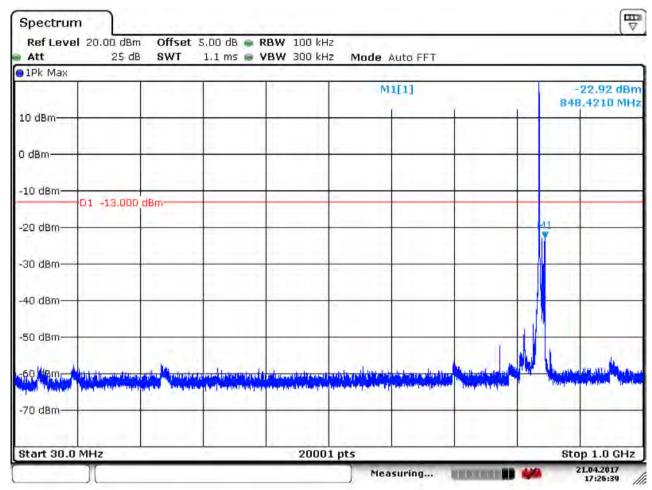
Date: 21.APR.2017 17:28:17



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6.1.1.4.3 Test Channel = HCH

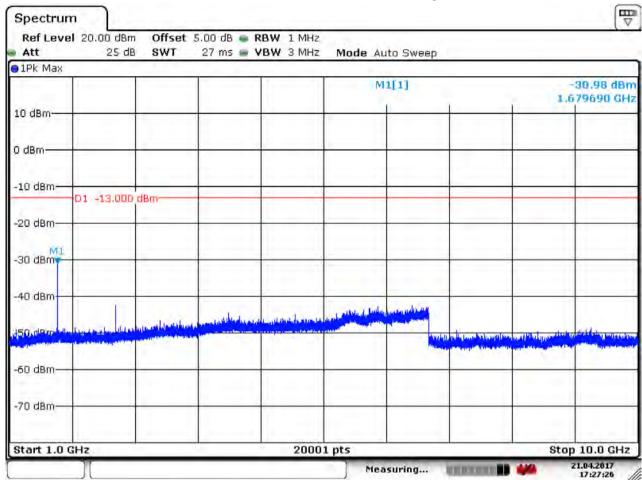


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Date: 21.APR.2017 17:27:26

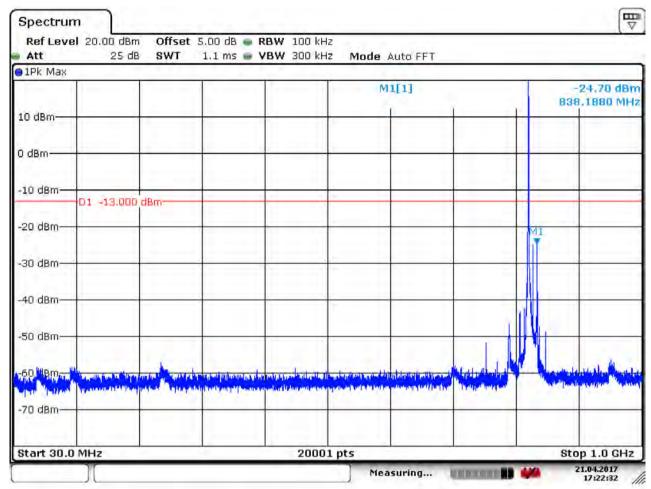


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6.1.1.5 Test Mode = LTE / TM1 15MHz RB1#0



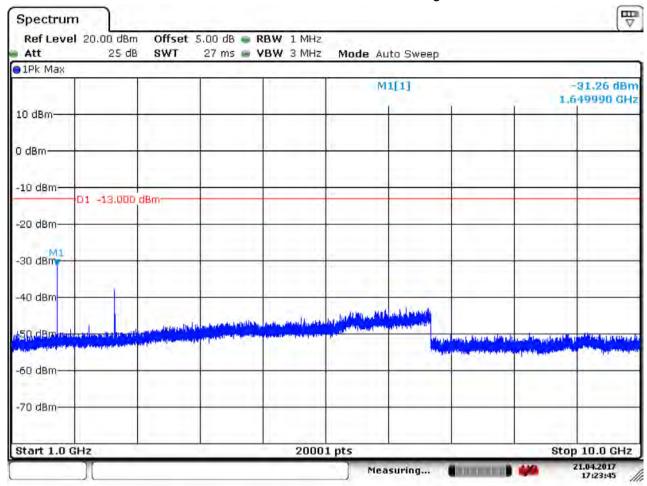


Date: 21.APR.2017 17:22:32



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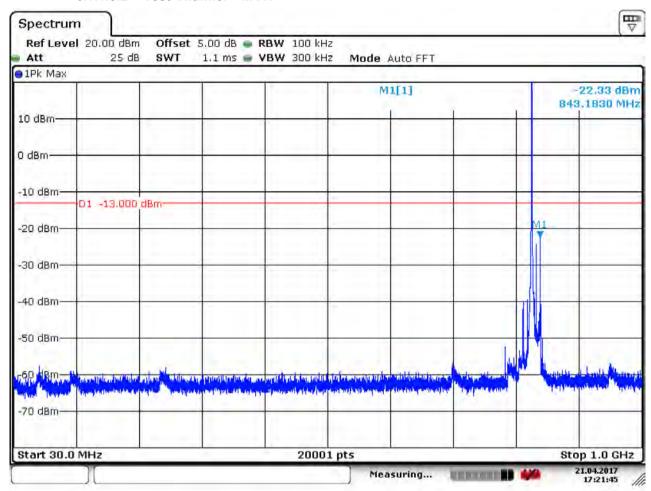
Date: 21.APR.2017 17:23:45



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6.1.1.5.2 Test Channel = MCH

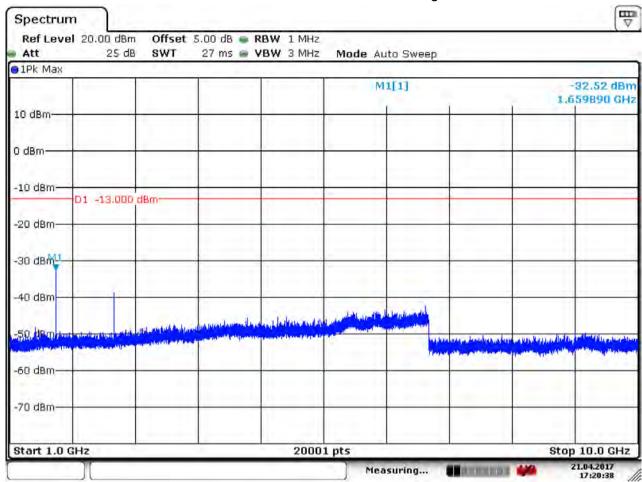


Date: 21.APR.2017 17:21:46



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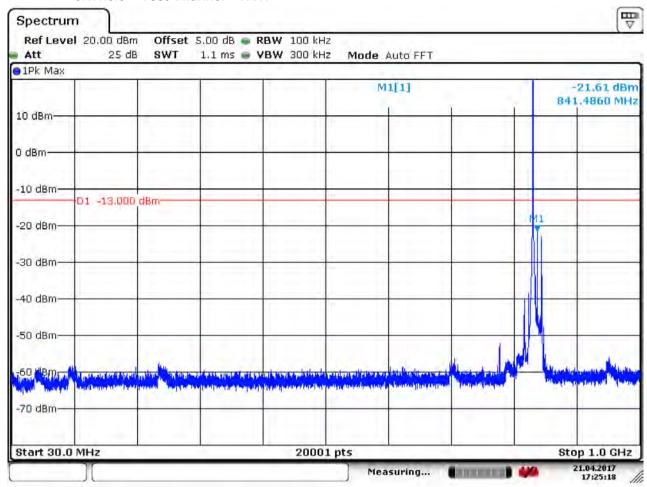
Date: 21.APR.2017 17:20:38



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6.1.1.5.3 Test Channel = HCH

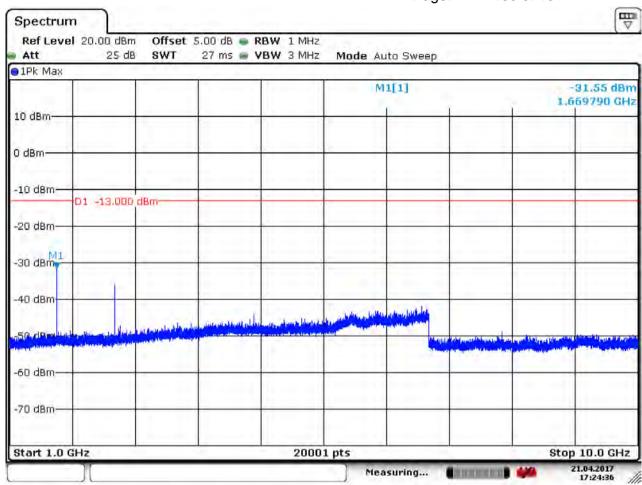


Date: 21.APR.2017 17:25:19



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7 Field Strength of Spurious Radiation

7.1 For LTE

7.1.1 Test Band = LTE band26(824-849)

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

7.1.1.1.1 Test Channel = LCH

Frequency (MHz)	requency (MHz) Level (dBm)		Over Limit (dB)	Polarization	
1073.000	-68.32	-13.00	-55.32	Vertical	
1551.000	-66.50	-13.00	-53.50	Vertical	
8655.000	-65.06	-13.00	-52.06	Vertical	
1111.000	-66.98	-13.00	-53.98	Horizontal	
4170.000	-68.03	-13.00	-55.03	Horizontal	
5145.000	-67.43	-13.00	-54.43	Horizontal	

7.1.1.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
2576.000	-58.47	-13.00	-45.47	Vertical
3975.000	-68.45	-13.00	-55.45	Vertical
5925.000	-67.02	-13.00	-54.02	Vertical
1452.000	-66.44	-13.00	-53.44	Horizontal
2112.000	-62.19	-13.00	-49.19	Horizontal
2776.000	-57.30	-13.00	-44.30	Horizontal

7.1.1.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
1991.000	-61.75	-13.00	-48.75	Vertical
3585.000	-69.34	-13.00	-56.34	Vertical
6705.000	-66.09	-13.00	-53.09	Vertical
1485.000	-66.13	-13.00	-53.13	Horizontal
3487.500	-69.88	-13.00	-56.88	Horizontal
7290.000	-66.10	-13.00	-53.10	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
		LCH	TN	VL	2.40	0.00289	PASS
				VN	-5.74	-0.00690	PASS
				VH	-6.25	-0.00752	PASS
				VL	-4.43	-0.00530	PASS
	LTE/TM1 15MHz	MCH	TN	VN	-2.22	-0.00265	PASS
				VH	-5.49	-0.00656	PASS
		НСН		VL	-5.24	-0.00623	PASS
			TN	VN	-1.74	-0.00207	PASS
LTE band26				VH	-4.21	-0.00500	PASS
(824-849)	LTE/TM2 15MHz	LCH	TN	VL	-3.33	-0.00400	PASS
(==: =:;				VN	-5.80	-0.00698	PASS
				VH	-7.12	-0.00856	PASS
		MCH	TN	VL	1.85	0.00221	PASS
				VN	-2.84	-0.00340	PASS
				VH	3.22	0.00385	PASS
		НСН		VL	-7.16	-0.00851	PASS
			TN	VN	-2.13	-0.00253	PASS
				VH	-5.40	-0.00642	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	-3.71	-0.00446	PASS
				-20	-4.35	-0.00523	PASS
				-10	-7.50	-0.00902	PASS
				0	-1.88	-0.00226	PASS
		LCH	VN	10	-4.02	-0.00483	PASS
				20	-2.89	-0.00348	PASS
				30	-0.40	-0.00048	PASS
				40	3.63	0.00437	PASS
				50	-6.25	-0.00752	PASS
	LTE/TM1 15MHz	МСН	MCH VN 2.14 -20 -3.73 -10 1.62 0 3.08 VN 10 -4.35 20 -2.14 30 -3.65 40 1.64 50 -7.38	-30	2.14	0.00256	PASS
				-20	-3.73	-0.00446	PASS
				-10	1.62	0.00194	PASS
				0	3.08	0.00368	PASS
LTE band26				10	-4.35	-0.00520	PASS
(824-849)				20	-2.14	-0.00256	PASS
				30	-3.65	-0.00436	PASS
				40	1.64	0.00196	PASS
				-0.00882	PASS		
				-30	2.51	0.00298	PASS
				-20	-4.40	-0.00523	PASS
				-10	-7.87	-0.00935	PASS
				0	-5.21	-0.00619	PASS
		HCH	VN	10	-2.68	-0.00318	PASS
				20	3.27	0.00389	PASS
				30	-2.83	-0.00336	PASS
				40	-1.07	-0.00127	PASS
				50	-6.32	-0.00751	PASS



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	rage. 134 01 134						
Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				-30	-3.58	-0.00431	PASS
				-20	-1.54	-0.00185	PASS
				-10	2.38	0.00286	PASS
				0	-4.75	-0.00571	PASS
		LCH	VN	10	1.65	0.00198	PASS
				20	0.11	0.00013	PASS
				30	-0.31	-0.00037	PASS
				40	-4.14	-0.00498	PASS
				50	-8.59	-0.01033	PASS
	LTE/TM2 15MHz	МСН	VN	-30	-7.20	-0.00861	PASS
				-20	-2.35	-0.00281	PASS
				-10	-7.49	-0.00895	PASS
				0	-5.22	-0.00624	PASS
LTE band26				10	-4.04	-0.00483	PASS
(824-849)				20	-3.93	-0.00470	PASS
				30	-5.66	-0.00677	PASS
				40	-4.62	-0.00552	PASS
				50	-6.32	-0.00756	PASS
				-30	-5.54	-0.00658	PASS
				-20	-4.45	-0.00529	PASS
				-10	1.53	0.00182	PASS
				0	-2.83	-0.00336	PASS
		HCH	VN	10	2.60	0.00309	PASS
				20	-0.47	-0.00056	PASS
				30	-2.66	-0.00316	PASS
				40	-5.23	-0.00622	PASS
				50	-3.20	-0.00380	PASS

The End