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Appendix B

E-UTRA Band 4



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1 Effective (Isotropic) Radiated Power Output Data

Effective Isotropic Radiated Power of Transmitter (EIRP) for LTE BAND 4

Main Supply:

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	22.21	22.17	33.00	PASS
				RB1#2	22.34	22.26	33.00	PASS
				RB1#5	22.28	22.28	33.00	PASS
			LCH	RB3#0	22.36	22.23	33.00	PASS
				RB3#2 22.33	22.33	22.29	33.00	PASS
				RB3#3	22.37	22.34	33.00	PASS
				RB6#0	21.38	21.33	33.00	PASS
				RB1#0	22.44	22.30	33.00	PASS
			RB1#2	22.24	22.23	33.00	PASS	
			MCH	RB1#5	22.18	22.17	33.00	PASS
BAND4	LTE/TM1	1.4M		RB3#0	22.02	21.98	33.00	PASS
				RB3#2	22.20	22.10	33.00	PASS
				RB3#3	22.37	22.26	33.00	PASS
				RB6#0	21.19	21.12	33.00	PASS
				RB1#0	22.43	22.41	33.00	PASS
				RB1#2	22.14	22.00	33.00	PASS
				RB1#5	21.67	21.60	33.00	PASS
		HCH	RB3#0	21.92	21.84	33.00	PASS	
			RB3#2	21.84	21.73	33.00	PASS	
			RB3#3	21.98	21.96	33.00	PASS	
				RB6#0	20.96	20.89	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	22.04	21.95	33.00	PASS
				RB1#2	22.13	21.99	33.00	PASS
				RB1#5	22.04	22.01	33.00	PASS
			LCH	RB3#0	21.88	21.78	33.00	PASS
				RB3#2	21.86	21.78	33.00	PASS
				RB3#3	21.87	21.75	33.00	PASS
				RB6#0	20.87	20.73	33.00	PASS
				RB1#0	22.03	21.90	33.00	PASS
				RB1#2	22.06	22.06	33.00	PASS
				RB1#5 22.03	21.89	33.00	PASS	
BAND4	LTE/TM2	1.4M	MCH	RB3#0	21.91	21.86	33.00	PASS
				RB3#2	21.84	21.80	33.00	PASS
				RB3#3	21.88	21.84	33.00	PASS
				RB6#0	20.89	20.81	33.00	PASS
				RB1#0	21.75	21.71	33.00	PASS
				RB1#2	21.78	21.72	33.00	PASS
				RB1#5	21.71	21.59	33.00	PASS
			HCH	RB3#0	21.59	21.58	33.00	PASS
				RB3#2	21.59	21.47	33.00	PASS
				RB3#3	21.70	21.57	33.00	PASS
				RB6#0	20.57	20.43	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	22.84	22.77	33.00	PASS
				RB1#7	22.58	22.45	33.00	PASS
				RB1#14	22.11	22.05	33.00	PASS
			LCH	RB8#0	21.94	21.82	33.00	PASS
				RB8#4	21.99	21.89	33.00	PASS
				RB8#7 21.57	21.50	33.00	PASS	
				RB15#0	21.11	20.99	33.00	PASS
				RB1#0	22.78	22.73	33.00	PASS
			MCH	RB1#7	22.83	22.81	33.00	PASS
		3M		RB1#14	22.75	22.72	33.00	PASS
BAND4	LTE/TM1			RB8#0	22.05	22.01	33.00	PASS
				RB8#4	21.95	21.83	33.00	PASS
				RB8#7	21.98	21.89	33.00	PASS
				RB15#0	22.2	22.06	33.00	PASS
				RB1#0	22.86	22.75	33.00	PASS
				RB1#7	22.64	22.55	33.00	PASS
				RB1#14	22.18	22.03	33.00	PASS
			HCH	RB8#0	21.52	21.51	33.00	PASS
				RB8#4	21.47	21.36	33.00	PASS
				RB8#7	21.44	21.36	33.00	PASS
				RB15#0	21.03	20.98	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	21.68	21.68	33.00	PASS
				RB1#7	21.72	21.65	33.00	PASS
				RB1#14	21.57	21.50	33.00	PASS
			LCH	RB8#0	20.33	20.24	33.00	PASS
				RB8#4	20.39	20.27	33.00	PASS
				RB8#7 20.5	20.49	33.00	PASS	
				RB15#0	20.08	20.04	33.00	PASS
				RB1#0	22.01	21.94	33.00	PASS
				RB1#7	22.24	22.16	33.00	PASS
				RB1#14	22.05	21.92	33.00	PASS
BAND4	LTE/TM2	3M	MCH	RB8#0	21.2	21.16	33.00	PASS
				RB8#4	21.03	21.02	33.00	PASS
				RB8#7	20.65	20.52	33.00	PASS
				RB15#0	20.63	20.49	33.00	PASS
				RB1#0	21.79	21.72	33.00	PASS
				RB1#7	21.88	21.76	33.00	PASS
				RB1#14	21.15	21.09	33.00	PASS
			НСН	RB8#0	20.69	20.66	33.00	PASS
				RB8#4	20.2	20.05	33.00	PASS
				RB8#7	19.67	19.63	33.00	PASS
				RB15#0	19.86	19.76	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	22.35	22.23	33.00	PASS		
				RB1#13	22.35	22.20	33.00	PASS		
				RB1#24	22.31	22.21	33.00	PASS		
			LCH	RB12#0	21.42	21.41	33.00	PASS		
				RB12#6	21.46	21.45	33.00	PASS		
				RB12#13	21.45	21.43	33.00	PASS		
				RB25#0	21.33	21.20	33.00	PASS		
				RB1#0	22.02	22.01	33.00	PASS		
				RB1#13	22.26	22.20	33.00	PASS		
			RB1#24 22.27	22.21	33.00	PASS				
BAND4	LTE/TM1	5M	MCH	RB12#0	21.3	21.18	33.00	PASS		
				RB12#6	21.32	21.18	33.00	PASS		
				RB12#13	21.33	21.28	33.00	PASS		
				RB25#0	21.24	21.11	33.00	PASS		
				RB1#0	22.32	22.19	33.00	PASS		
				RB1#13	21.97	21.85	33.00	PASS		
				RB1#24	21.93	21.90	33.00	PASS		
		нсн	RB12#0	21	20.92	33.00	PASS			
			RB12#6	21.01	21.00	33.00	PASS			
			RB12#13	20.95	20.87	33.00	PASS			
				RB25#0	21.02	20.94	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	22.14	22.06	33.00	PASS
				RB1#13	22.21	22.16	33.00	PASS
				RB1#24	22.28	22.22	33.00	PASS
			LCH	RB12#0	20.89	20.82	33.00	PASS
				RB12#6	20.89	20.87	33.00	PASS
				RB12#13	RB12#13 _{20.89}	20.87	33.00	PASS
				DD05#0	20.84	20.71	33.00	PASS
				RB1#0	22.07	21.97	33.00	PASS
				RB1#13	22.10	22.10	33.00	PASS
				RB1#24 21.98	21.98	21.89	33.00	PASS
BAND4	LTE/TM2	E/TM2 5M	MCH	RB12#0	20.89	20.88	33.00	PASS
				RB12#6	20.89	20.83	33.00	PASS
				RB12#13	20.84	20.70	33.00	PASS
				RB25#0	20.83	20.70	33.00	PASS
				RB1#0	21.88	21.77	33.00	PASS
				RB1#13	21.84	21.74	33.00	PASS
				RB1#24	21.72	21.64	33.00	PASS
			нсн	RB12#0	20.65	20.52	33.00	PASS
				RB12#6	20.61	20.47	33.00	PASS
				RB12#13	20.56	20.43	33.00	PASS
				RB25#0	20.66	20.65	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	22.45	22.42	33.00	PASS	
				RB1#25	22.43	22.34	33.00	PASS	
				RB1#49	22.40	22.28	33.00	PASS	
			LCH	RB25#0	21.45	21.38	33.00	PASS	
				RB25#13	21.44	21.33	33.00	PASS	
				RB25#25 21.42	21.36	33.00	PASS		
				RB50#0	21.53	21.50	33.00	PASS	
				RB1#0	22.20	22.19	33.00	PASS	
				RB1#25	22.33	22.21	33.00	PASS	
				RB1#49 22.20	22.20	22.11	33.00	PASS	
BAND4	LTE/TM1	TM1 10M	MCH	RB25#0	21.30	21.20	33.00	PASS	
				RB25#13	21.24	21.11	33.00	PASS	
				RB25#25	21.06	20.99	33.00	PASS	
				RB50#0	21.49	21.38	33.00	PASS	
				RB1#0	22.27	22.22	33.00	PASS	
				RB1#25	22.09	21.97	33.00	PASS	
				RB1#49	21.95	21.83	33.00	PASS	
			НСН	RB25#0	21.01	20.95	33.00	PASS	
				RB25#13	20.73	20.67	33.00	PASS	
				RB25#25	21.03	20.98	33.00	PASS	
				RB50#0	20.87	20.85	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	22.19	22.13	33.00	PASS	
				RB1#25	22.49	22.45	33.00	PASS	
				RB1#49	21.58	21.46	33.00	PASS	
			LCH	RB25#0	20.48	20.36	33.00	PASS	
				RB25#13	21.05	20.99	33.00	PASS	
				RB25#25 20.74	20.69	33.00	PASS		
				RB50#0	20.43	20.38	33.00	PASS	
				RB1#0	22.15	22.08	33.00	PASS	
				RB1#25	22.11	22.02	33.00	PASS	
				RB1#49	21.79	21.70	33.00	PASS	
BAND4	LTE/TM2	7/TM2 10M	MCH	RB25#0	21.17	21.06	33.00	PASS	
				RB25#13	20.93	20.91	33.00	PASS	
				RB25#25	21.24	21.13	33.00	PASS	
				RB50#0	20.80	20.77	33.00	PASS	
				RB1#0	21.96	21.95	33.00	PASS	
				RB1#25	22.25	22.18	33.00	PASS	
				RB1#49	21.10	21.04	33.00	PASS	
			НСН	RB25#0	20.88	20.74	33.00	PASS	
				RB25#13	20.81	20.74	33.00	PASS	
				RB25#25	20.59	20.58	33.00	PASS	
				RB50#0	20.39	20.34	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	23.00	22.97	33.00	PASS
				RB1#38	22.57	22.54	33.00	PASS
				RB1#74	22.39	22.30	33.00	PASS
			LCH	RB36#0	21.84	21.83	33.00	PASS
				RB36#18	21.41	21.30	33.00	PASS
				RB36#39 21.63 RB75#0 21.71	21.60	33.00	PASS	
					21.71	21.63	33.00	PASS
				RB1#0	23.06	22.99	33.00	PASS
				RB1#38	22.90	22.86	33.00	PASS
			МСН	RB1#74	22.43	22.35	33.00	PASS
BAND4	LTE/TM1	15M		RB36#0	22.03	21.98	33.00	PASS
				RB36#18	22.24	22.14	33.00	PASS
				RB36#39	21.97	21.97	33.00	PASS
				RB75#0	21.98	21.89	33.00	PASS
				RB1#0	22.84	22.82	33.00	PASS
				RB1#38	22.72	22.62	33.00	PASS
				RB1#74	21.80	21.80	33.00	PASS
			HCH	RB36#0	22.03	22.01	33.00	PASS
				RB36#18	21.87	21.82	33.00	PASS
				RB36#39	21.66	21.55	33.00	PASS
				RB75#0	21.89	21.75	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	22.28	22.27	33.00	PASS
				RB1#38	22.19	22.05	33.00	PASS
				RB1#74	21.90	21.80	33.00	PASS
			LCH	RB36#0	21.32	21.23	33.00	PASS
				RB36#18	20.64	20.63	33.00	PASS
				RB36#39 21.17	21.17	21.15	33.00	PASS
				RB75#0	20.91	20.79	33.00	PASS
				RB1#0	22.24	22.14	33.00	PASS
			МСН	RB1#38	22.19	22.12	33.00	PASS
		15M		RB1#74	22.15	22.13	33.00	PASS
BAND4	LTE/TM2			RB36#0	20.90	20.80	33.00	PASS
				RB36#18	21.02	21.02	33.00	PASS
				RB36#39	20.93	20.91	33.00	PASS
				RB75#0	21.02	20.88	33.00	PASS
				RB1#0	22.00	21.88	33.00	PASS
				RB1#38	21.89	21.83	33.00	PASS
				RB1#74	21.43	21.41	33.00	PASS
			HCH	RB36#0	20.77	20.69	33.00	PASS
				RB36#18	21.00	20.86	33.00	PASS
				RB36#39	20.74	20.65	33.00	PASS
				RB75#0	20.74	20.59	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	22.98	22.98	33.00	PASS	
				RB1#50	22.94	22.91	33.00	PASS	
				RB1#99	22.89	22.89	33.00	PASS	
			LCH	RB50#0	22.11	22.08	33.00	PASS	
				RB50#25	22.03	21.94	33.00	PASS	
				RB50#50 22.04 RB100#0 22.05	21.95	33.00	PASS		
				RB100#0	22.05	22.00	33.00	PASS	
				RB1#0	22.96	22.81	33.00	PASS	
				RB1#50	22.93	22.84	33.00	PASS	
				RB1#99 22.76	22.76	22.70	33.00	PASS	
BAND4	LTE/TM1	20M	MCH	RB50#0	22.08	21.99	33.00	PASS	
				RB50#25	22.03	22.02	33.00	PASS	
				RB50#50	21.96	21.93	33.00	PASS	
				RB100#0	22.02	21.96	33.00	PASS	
				RB1#0	22.97	22.87	33.00	PASS	
				RB1#50	22.71	22.61	33.00	PASS	
				RB1#99	22.6	22.59	33.00	PASS	
			НСН	RB50#0	21.95	21.93	33.00	PASS	
				RB50#25	21.85	21.82	33.00	PASS	
				RB50#50	21.82	21.77	33.00	PASS	
				RB100#0	21.88	21.80	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	22.35	22.28	33.00	PASS	
				RB1#50	22.19	22.09	33.00	PASS	
				RB1#99	22.15	22.08	33.00	PASS	
			LCH	RB50#0	21.01	21.00	33.00	PASS	
				RB50#25	20.95	20.81	33.00	PASS	
				RB50#50	20.92	20.87	33.00	PASS	
				RB100#0	20.93	20.91	33.00	PASS	
				RB1#0	22.34	22.30	33.00	PASS	
				RB1#50	22.16	22.10	33.00	PASS	
				RB1#99	22.01	21.94	33.00	PASS	
BAND4	LTE/TM2	20M	MCH	RB50#0	20.96	20.86	33.00	PASS	
				RB50#25	20.93	20.83	33.00	PASS	
				RB50#50	20.82	20.70	33.00	PASS	
				RB100#0	20.89	20.81	33.00	PASS	
				RB1#0	22.22	22.10	33.00	PASS	
				RB1#50	21.98	21.85	33.00	PASS	
				RB1#99	21.88	21.86	33.00	PASS	
			НСН	RB50#0	20.83	20.82	33.00	PASS	
				RB50#25	20.73	20.68	33.00	PASS	
				RB50#50	20.71	20.66	33.00	PASS	
					RB100#0	20.73	20.63	33.00	PASS



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Secondary Supply:

Test Band(LTE)	Test Mode	Test Bandwidth	Test channel	Test RB	Measured (dBm)	EIRP (dBm)	limit (dBm)	Verdict
				RB1#0	22.37	19.23	33.00	PASS
				RB1#2	22.37	19.29	33.00	PASS
				RB1#5	22.19	19.08	33.00	PASS
			LCH	RB3#0	22.35	19.28	33.00	PASS
				RB3#2	22.27	19.26	33.00	PASS
				RB3#3	22.39	19.27	33.00	PASS
				RB6#0	21.36	18.23	33.00	PASS
				RB1#0	22.08	19.04	33.00	PASS
				RB1#2	22.21	19.16	33.00	PASS
				RB1#5	22.12	19.03	33.00	PASS
BAND4	LTE/TM1	1.4M	MCH	RB3#0	22.24	19.12	33.00	PASS
				RB3#2	22.14	19.05	33.00	PASS
				RB3#3	22.17	19.16	33.00	PASS
				RB6#0	21.23	18.17	33.00	PASS
				RB1#0	22.11	19.02	33.00	PASS
				RB1#2	22.22	19.14	33.00	PASS
				RB1#5	22.11	19.05	33.00	PASS
			HCH	RB3#0	22.24	19.22	33.00	PASS
				RB3#2	22.13	19.01	33.00	PASS
				RB3#3	22.19	19.18	33.00	PASS
				RB6#0	21.21	18.12	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	21.43	18.41	33.00	PASS
				RB1#2	21.54	18.46	33.00	PASS
				RB1#5	21.19	18.16	33.00	PASS
			LCH	RB3#0	21.26	18.26	33.00	PASS
				RB3#2	21.33	18.30	33.00	PASS
				RB3#3	21.24	18.23	33.00	PASS
				RB6#0	20.37	17.34	33.00	PASS
				RB1#0	21.22	18.21	33.00	PASS
				RB1#2	21.48	18.46	33.00	PASS
				RB1#5	21.21	18.15	33.00	PASS
BAND4	LTE/TM2	1.4M	MCH	RB3#0	21.19	18.12	33.00	PASS
				RB3#2	21.14	18.03	33.00	PASS
				RB3#3	21.23	18.10	33.00	PASS
				RB6#0	20.42	17.31	33.00	PASS
				RB1#0	20.93	17.79	33.00	PASS
				RB1#2	21.56	18.42	33.00	PASS
				RB1#5	21.32	18.21	33.00	PASS
			HCH	RB3#0	21.21	18.20	33.00	PASS
				RB3#2	21.11	18.05	33.00	PASS
				RB3#3	21.10	18.06	33.00	PASS
				RB6#0	20.30	17.29	33.00	PASS



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Toot	Test	Test	Test		Mossured	EIRP		
Test Band(LTE)	Mode	Bandwidth	channel	Test RB	Measured (dBm)	(dBm)	limit (dBm)	Verdict
				RB1#0	22.16	19.11	33.00	PASS
				RB1#7	22.22	19.13	33.00	PASS
				RB1#14	22.27	19.21	33.00	PASS
			LCH	RB8#0	21.38	18.37	33.00	PASS
				RB8#4	21.42	18.29	33.00	PASS
				RB8#7	21.38	18.30	33.00	PASS
				RB15#0	21.37	18.31	33.00	PASS
				RB1#0	22.07	18.97	33.00	PASS
				RB1#7	22.03	19.02	33.00	PASS
				RB1#14	21.99	18.88	33.00	PASS
BAND4	LTE/TM1	3M	MCH	RB8#0	21.23	18.16	33.00	PASS
				RB8#4	21.21	18.17	33.00	PASS
				RB8#7	21.16	18.07	33.00	PASS
				RB15#0	21.20	18.07	33.00	PASS
				RB1#0	22.19	19.10	33.00	PASS
				RB1#7	22.24	19.22	33.00	PASS
				RB1#14	22.03	18.89	33.00	PASS
			НСН	RB8#0	21.22	18.21	33.00	PASS
				RB8#4	21.26	18.24	33.00	PASS
				RB8#7	21.26	18.12	33.00	PASS
				RB15#0	21.24	18.23	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	21.48	18.43	33.00	PASS
				RB1#7	21.06	17.96	33.00	PASS
				RB1#14	21.72	18.72	33.00	PASS
			LCH	RB8#0	20.42	17.39	33.00	PASS
				RB8#4	20.40	17.35	33.00	PASS
				RB8#7	20.37	17.31	33.00	PASS
				RB15#0	20.26	17.19	33.00	PASS
				RB1#0	21.69	18.66	33.00	PASS
				RB1#7	21.33	18.20	33.00	PASS
				RB1#14	21.28	18.16	33.00	PASS
BAND4	LTE/TM2	3M	MCH	RB8#0	20.27	17.15	33.00	PASS
				RB8#4	20.28	17.22	33.00	PASS
				RB8#7	20.23	17.08	33.00	PASS
				RB15#0	20.19	17.05	33.00	PASS
				RB1#0	21.72	18.62	33.00	PASS
				RB1#7	21.56	18.44	33.00	PASS
				RB1#14	21.31	18.19	33.00	PASS
			HCH	RB8#0	20.25	17.23	33.00	PASS
				RB8#4	20.16	17.10	33.00	PASS
				RB8#7	20.23	17.20	33.00	PASS
				RB15#0	20.21	17.11	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	22.23	19.12	33.00	PASS
				RB1#13	22.27	19.18	33.00	PASS
				RB1#24	22.31	19.26	33.00	PASS
			LCH	RB12#0	21.44	18.40	33.00	PASS
				RB12#6	21.39	18.26	33.00	PASS
				RB12#13	21.42	18.33	33.00	PASS
				RB25#0	21.37	18.25	33.00	PASS
				RB1#0	22.20	19.10	33.00	PASS
				RB1#13	22.28	19.18	33.00	PASS
				RB1#24	22.17	19.10	33.00	PASS
BAND4	LTE/TM1	5M	MCH	RB12#0	21.29	18.19	33.00	PASS
				RB12#6	21.21	18.10	33.00	PASS
				RB12#13	21.20	18.15	33.00	PASS
				RB25#0	21.21	18.17	33.00	PASS
				RB1#0	22.33	19.21	33.00	PASS
				RB1#13	22.23	19.14	33.00	PASS
				RB1#24	22.17	19.05	33.00	PASS
			НСН	RB12#0	21.27	18.24	33.00	PASS
				RB12#6	21.25	18.24	33.00	PASS
				RB12#13	21.27	18.14	33.00	PASS
			RB25#0	21.23	18.16	33.00	PASS	



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Test Test Test Test Measured EIRP limit Vandie								
Band(LTE)	Mode	Bandwidth	channel	Test RB	(dBm)	(dBm)	(dBm)	Verdict
				RB1#0	21.56	18.45	33.00	PASS
				RB1#13	21.55	18.47	33.00	PASS
				RB1#24	21.73	18.63	33.00	PASS
			LCH	RB12#0	20.43	17.39	33.00	PASS
				RB12#6	20.46	17.35	33.00	PASS
				RB12#13	20.39	17.29	33.00	PASS
				RB25#0	20.26	17.19	33.00	PASS
				RB1#0	21.74	18.59	33.00	PASS
				RB1#13	21.70	18.66	33.00	PASS
				RB1#24	21.55	18.47	33.00	PASS
BAND4	LTE/TM2	5M	MCH	RB12#0	20.29	17.20	33.00	PASS
				RB12#6	20.18	17.07	33.00	PASS
				RB12#13	20.20	17.18	33.00	PASS
				RB25#0	20.22	17.15	33.00	PASS
				RB1#0	21.15	18.13	33.00	PASS
				RB1#13	21.73	18.64	33.00	PASS
				RB1#24	21.16	18.05	33.00	PASS
			нсн	RB12#0	20.18	17.10	33.00	PASS
				RB12#6	20.18	17.14	33.00	PASS
				RB12#13	20.22	17.12	33.00	PASS
				RB25#0	20.26	17.20	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	22.43	19.29	33.00	PASS
				RB1#25	22.31	19.24	33.00	PASS
				RB1#49	22.21	19.09	33.00	PASS
			LCH	RB25#0	21.35	18.22	33.00	PASS
				RB25#13	21.59	18.46	33.00	PASS
				RB25#25	21.09	18.07	33.00	PASS
				RB50#0	21.89	18.80	33.00	PASS
				RB1#0	22.20	19.13	33.00	PASS
				RB1#25	22.12	18.99	33.00	PASS
				RB1#49	22.23	19.13	33.00	PASS
BAND4	LTE/TM1	10M	MCH	RB25#0	21.28	18.13	33.00	PASS
				RB25#13	21.26	18.22	33.00	PASS
				RB25#25	21.26	18.17	33.00	PASS
				RB50#0	21.26	18.25	33.00	PASS
				RB1#0	22.24	19.13	33.00	PASS
				RB1#25	22.08	19.04	33.00	PASS
				RB1#49	22.07	18.98	33.00	PASS
			HCH	RB25#0	21.30	18.27	33.00	PASS
				RB25#13	21.25	18.15	33.00	PASS
				RB25#25	21.23	18.17	33.00	PASS
				RB50#0	21.25	18.21	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	21.16	18.08	33.00	PASS
				RB1#25	21.73	18.67	33.00	PASS
				RB1#49	21.59	18.47	33.00	PASS
			LCH	RB25#0	20.36	17.33	33.00	PASS
				RB25#13	20.96	17.93	33.00	PASS
				RB25#25	20.37	17.32	33.00	PASS
				RB50#0	20.39	17.32	33.00	PASS
				RB1#0	21.97	18.87	33.00	PASS
				RB1#25	21.28	18.20	33.00	PASS
				RB1#49	21.14	18.09	33.00	PASS
BAND4	LTE/TM2	10M	MCH	RB25#0	20.33	17.26	33.00	PASS
				RB25#13	20.24	17.20	33.00	PASS
				RB25#25	20.15	17.09	33.00	PASS
				RB50#0	20.24	17.12	33.00	PASS
				RB1#0	21.67	18.57	33.00	PASS
				RB1#25	21.65	18.52	33.00	PASS
				RB1#49	21.51	18.39	33.00	PASS
			НСН	RB25#0	20.19	17.16	33.00	PASS
				RB25#13	20.20	17.20	33.00	PASS
				RB25#25	20.20	17.08	33.00	PASS
				RB50#0	20.13	17.10	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	22.39	19.30	33.00	PASS
				RB1#38	22.47	19.44	33.00	PASS
				RB1#74	22.43	19.29	33.00	PASS
			LCH	RB36#0	21.47	18.44	33.00	PASS
				RB36#18	21.44	18.35	33.00	PASS
				RB36#39	21.36	18.33	33.00	PASS
				RB75#0	21.44	18.37	33.00	PASS
				RB1#0	22.27	19.16	33.00	PASS
				RB1#38	22.12	19.06	33.00	PASS
				RB1#74	22.04	18.90	33.00	PASS
BAND4	LTE/TM1	15M	MCH	RB36#0	21.29	18.25	33.00	PASS
				RB36#18	21.25	18.17	33.00	PASS
				RB36#39	21.28	18.25	33.00	PASS
				RB75#0	21.28	18.19	33.00	PASS
				RB1#0	22.19	19.18	33.00	PASS
				RB1#38	22.14	19.07	33.00	PASS
				RB1#74	22.26	19.19	33.00	PASS
			HCH	RB36#0	21.25	18.19	33.00	PASS
				RB36#18	21.24	18.16	33.00	PASS
				RB36#39	21.26	18.25	33.00	PASS
				RB75#0	21.18	18.10	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	21.63	18.58	33.00	PASS
				RB1#38	21.16	18.15	33.00	PASS
				RB1#74	21.70	18.69	33.00	PASS
			LCH	RB36#0	20.47	17.35	33.00	PASS
				RB36#18	20.44	17.32	33.00	PASS
				RB36#39	20.33	17.33	33.00	PASS
				RB75#0	20.42	17.40	33.00	PASS
				RB1#0	21.08	17.98	33.00	PASS
				RB1#38	21.25	18.20	33.00	PASS
				RB1#74	21.36	18.34	33.00	PASS
BAND4	LTE/TM2	15M	MCH	RB36#0	20.28	17.18	33.00	PASS
				RB36#18	20.24	17.11	33.00	PASS
				RB36#39	20.20	17.09	33.00	PASS
				RB75#0	20.23	17.21	33.00	PASS
				RB1#0	21.82	18.76	33.00	PASS
				RB1#38	21.05	17.91	33.00	PASS
				RB1#74	21.21	18.14	33.00	PASS
			HCH	RB36#0	20.20	17.15	33.00	PASS
				RB36#18	20.17	17.09	33.00	PASS
				RB36#39	20.19	17.06	33.00	PASS
				RB75#0	20.20	17.06	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	22.45	19.32	33.00	PASS
				RB1#50	22.28	19.14	33.00	PASS
				RB1#99	22.17	19.09	33.00	PASS
			LCH	RB50#0	21.48	18.41	33.00	PASS
				RB50#25	21.33	18.26	33.00	PASS
				RB50#50	21.31	18.19	33.00	PASS
				RB100#0	21.35	18.33	33.00	PASS
				RB1#0	22.27	19.19	33.00	PASS
				RB1#50	22.23	19.11	33.00	PASS
				RB1#99	22.10	18.95	33.00	PASS
BAND4	LTE/TM1	20M	MCH	RB50#0	21.34	18.31	33.00	PASS
				RB50#25	21.30	18.28	33.00	PASS
				RB50#50	21.29	18.18	33.00	PASS
				RB100#0	21.29	18.20	33.00	PASS
				RB1#0	22.26	19.23	33.00	PASS
				RB1#50	22.08	18.94	33.00	PASS
				RB1#99	22.18	19.13	33.00	PASS
			HCH	RB50#0	21.19	18.18	33.00	PASS
				RB50#25	21.18	18.10	33.00	PASS
				RB50#50	21.16	18.14	33.00	PASS
				RB100#0	21.26	18.12	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
		TE/TM2 20M	LCH	RB1#0	21.93	18.88	33.00	PASS
				RB1#50	21.49	18.48	33.00	PASS
				RB1#99	21.75	18.68	33.00	PASS
				RB50#0	20.38	17.32	33.00	PASS
				RB50#25	20.34	17.27	33.00	PASS
				RB50#50	20.31	17.18	33.00	PASS
				RB100#0	20.33	17.30	33.00	PASS
			MCH	RB1#0	21.29	18.26	33.00	PASS
				RB1#50	21.24	18.17	33.00	PASS
				RB1#99	21.22	18.21	33.00	PASS
BAND4	LTE/TM2			RB50#0	20.30	17.18	33.00	PASS
				RB50#25	20.22	17.09	33.00	PASS
				RB50#50	20.23	17.12	33.00	PASS
				RB100#0	20.23	17.11	33.00	PASS
			НСН	RB1#0	21.31	18.24	33.00	PASS
				RB1#50	21.69	18.60	33.00	PASS
				RB1#99	21.79	18.74	33.00	PASS
				RB50#0	20.23	17.08	33.00	PASS
				RB50#25	20.09	17.08	33.00	PASS
				RB50#50	20.25	17.17	33.00	PASS
				RB100#0	20.10	16.97	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 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	5.28	13	PASS
Don't 4	TM1/20M	MCH	5.22	13	PASS
		HCH	4.87	13	PASS
Band 4		LCH	6.20	13	PASS
	TM2/20M	MCH	6.14	13	PASS
		HCH	5.88	13	PASS



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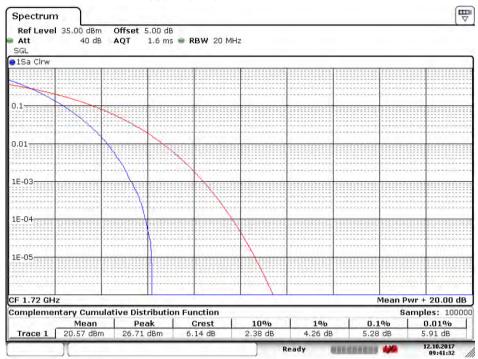
Part II - Test Plots

2.1 For LTE

2.1.1 Test Band = LTE band4

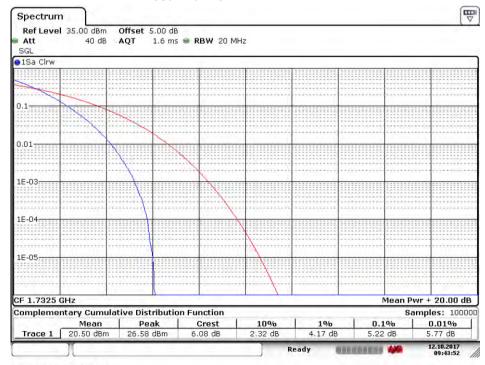
2.1.1.1 Test Mode = LTE/TM1.Bandwidth=20MHz

2.1.1.1.1 Test Channel = LCH



Date: 12.OCT.2017 09:41:32

2.1.1.1.2 Test Channel = MCH



Date: 12.OCT.2017 09:43:52

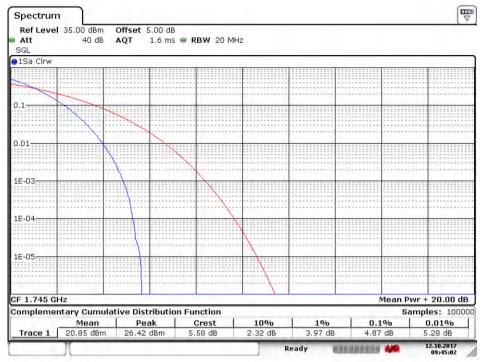
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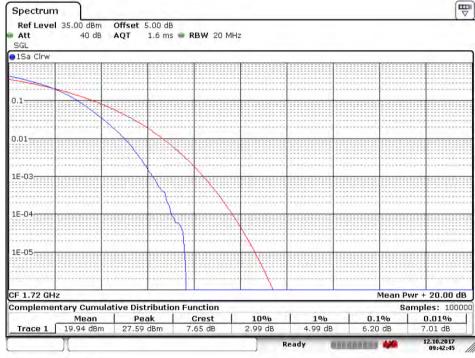
2.1.1.1.3 Test Channel = HCH



Date: 12.OCT.2017 09:45:02

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

2.1.1.2.1 Test Channel = LCH



Date: 12.OCT.2017 09:42:45

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2.1.1.2.2 Test Channel = MCH



Date: 12.OCT.2017 09:43:27

2.1.1.2.1 est Channel = HCH



Date: 12.OCT.2017 09:45:20



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3 Modulation Characteristics

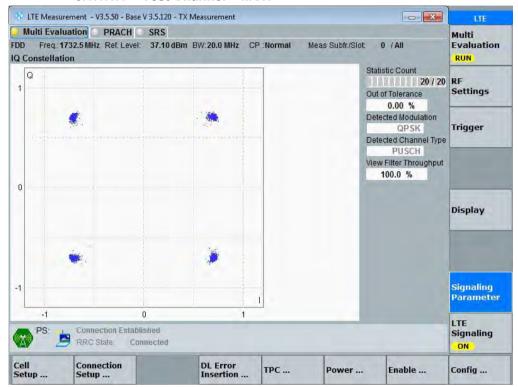
Part I - Test Plots

3.1 For LTE

3.1.1 Test Band = LTE band4

3.1.1.1 Test Mode = LTE /TM1 20MHz

3.1.1.1.1 Test Channel = MCH



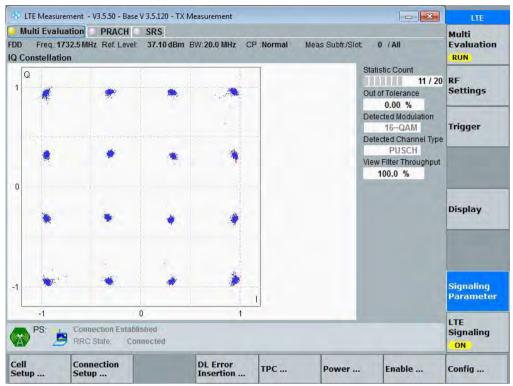


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3.1.1.2 Test Mode = LTE /TM2 20MHz

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	1.10	1.28	PASS
	TM1/1.4MHz	MCH	1.10	1.27	PASS
		HCH	1.09	1.27	PASS
		LCH	1.10	1.27	PASS
	TM2/1.4MHz	MCH	1.09	1.26	PASS
		HCH	1.10	1.28	PASS
		LCH	2.69	2.91	PASS
	TM1/3MHz	MCH	2.69	2.91	PASS
		HCH	2.69	2.91	PASS
		LCH	2.69	2.91	PASS
	TM2/3MHz	MCH	2.69	2.93	PASS
		HCH	2.68	2.92	PASS
		LCH	4.50	5.00	PASS
	TM1/5MHz	MCH	4.50	5.00	PASS
		HCH	4.48	4.97	PASS
		LCH	4.50	5.00	PASS
	TM2/ 5MHz	MCH	4.48	4.90	PASS
		HCH	4.49	4.99	PASS
Band 4		LCH	8.95	9.79	PASS
	TM1/10MHz	MCH	8.93	9.63	PASS
		HCH	8.95	9.79	PASS
		LCH	8.93	9.71	PASS
	TM2/ 10MHz	MCH	8.93	9.75	PASS
		HCH	8.95	9.75	PASS
		LCH	13.43	14.87	PASS
	TM1/ 15MHz	MCH	13.49	15.02	PASS
		HCH	13.52	14.96	PASS
		LCH	13.49	14.84	PASS
	TM2/ 15MHz	MCH	13.49	14.84	PASS
		HCH	13.52	14.81	PASS
		LCH	17.90	19.42	PASS
	TM1/ 20MHz	MCH	17.94	19.70	PASS
		HCH	17.90	19.34	PASS
		LCH	17.94	19.50	PASS
	TM2/ 20MHz	MCH	17.90	19.42	PASS
		HCH	17.94	19.46	PASS



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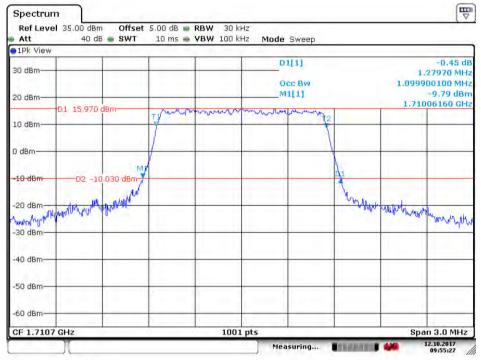
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4.1 For LTE

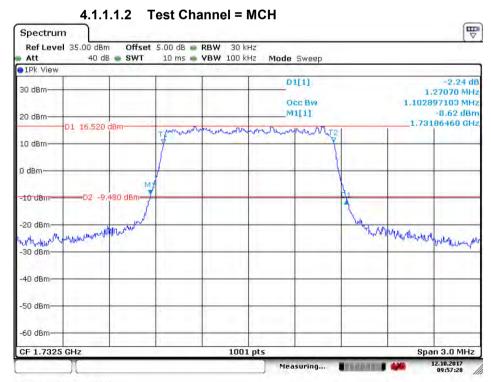
4.1.1 Test Band = LTE band4

4.1.1.1 Test Mode = LTE/TM1 1.4MHz

4.1.1.1.1 Test Channel = LCH



Date: 12.OCT.2017 09:55:28



Date: 12.OCT.2017 09:57:28

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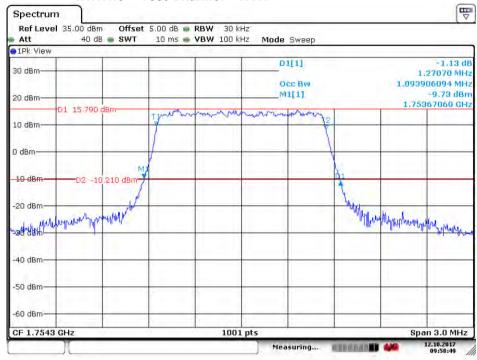


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Span 3.0 MHz

4.1.1.1.3 Test Channel = HCH



Date: 12.OCT.2017 09:58:49

Spectrum

4.1.1.2 Test Mode = LTE/TM2 1.4MHz

4.1.1.2.1 Test Channel = LCH

Ref Level 35.00 dBm Offset 5.00 dB @ RBW 30 kHz Att 40 dB . SWT 10 ms - VBW 100 kHz Mode Sweep 1Pk View D1[1] 30 dBm 1.27070 MHz Occ Bw 1.096903097 MHz M1[1] -10.08 dBm 20 dBm 1.71006460 GHz D1 15.730 Chapmagh war warmer who will have 10 dBm 0 dBm D2 -10,270 dBm -3 draft my my man of the man Whater popular wall the property and the service of -40 dBm

Date: 12.OCT.2017 10:03:51

-50 dBm

-60 dBm

CF 1.7107 GH

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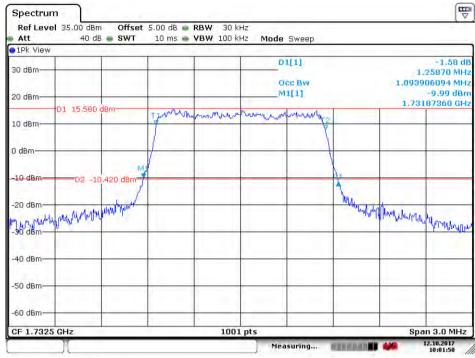
Measuring...



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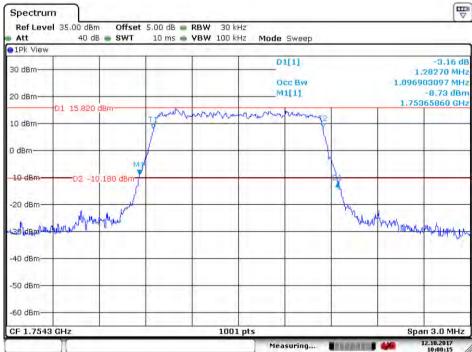
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Date: 12.OCT.2017 10:01:50





Date: 12.OCT.2017 10:00:15

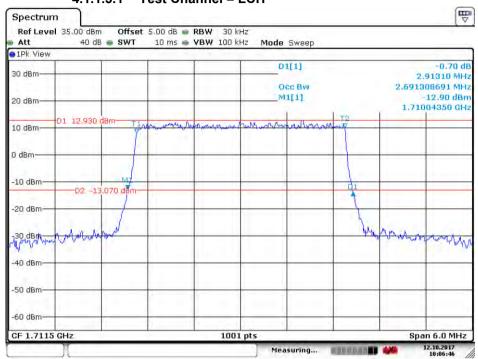


Report No.: SZEM170900995904

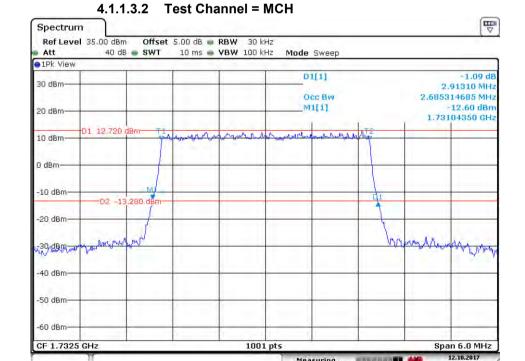
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4.1.1.3 Test Mode = LTE/TM1 3MHz

4.1.1.3.1 Test Channel = LCH



Date: 12.OCT.2017 10:06:46



Date: 12.OCT.2017 10:08:15

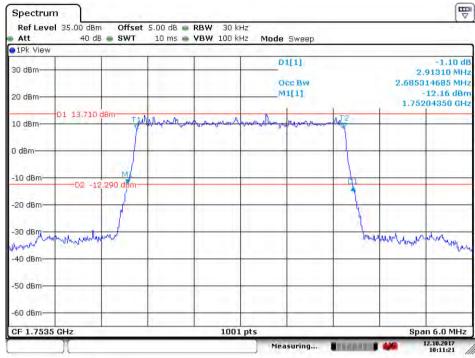
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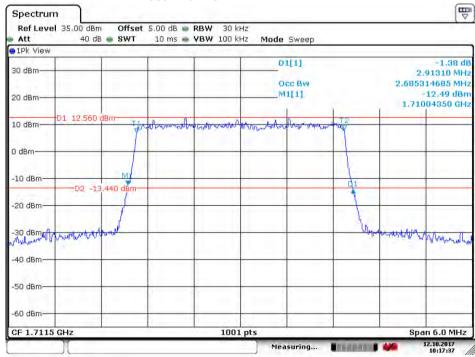
4.1.1.3.3 Test Channel = HCH



Date: 12.OCT.2017 10:11:22

4.1.1.4 Test Mode = LTE/TM2 3MHz

4.1.1.4.1 Test Channel = LCH



Date: 12.OCT.2017 10:17:37

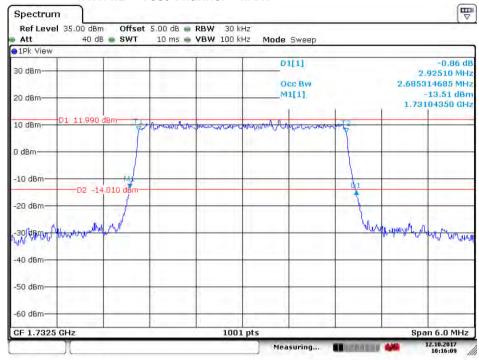
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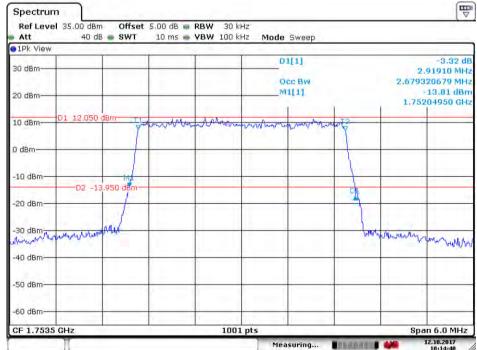
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4.1.1.4.2 Test Channel = MCH



Date: 12.OCT.2017 10:16:10

4.1.1.4.3 Test Channel = HCH



Date: 12.OCT.2017 10:14:40

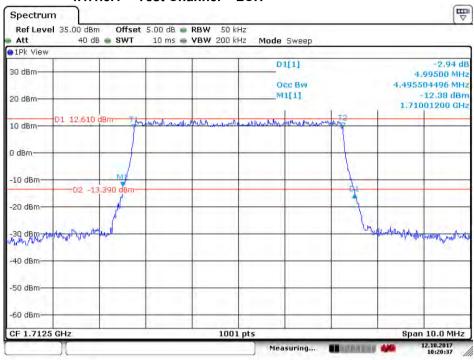


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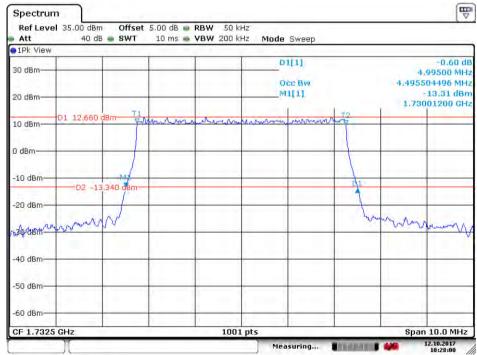
4.1.1.5 Test Mode = LTE/TM1 5MHz

4.1.1.5.1 Test Channel = LCH



Date: 12.OCT.2017 10:20:37





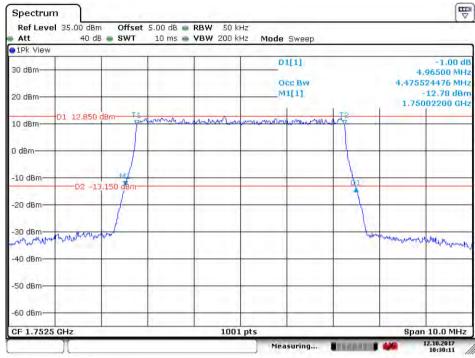
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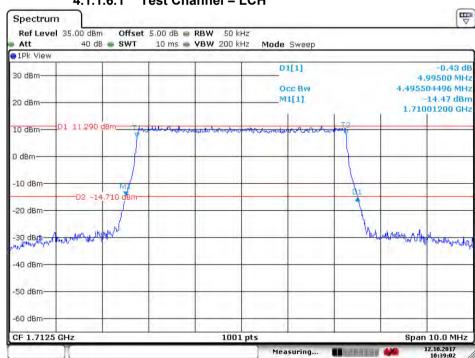
4.1.1.5.3 Test Channel = HCH



Date: 12.OCT.2017 10:30:12

4.1.1.6 Test Mode = LTE/TM2 5MHz

4.1.1.6.1 Test Channel = LCH



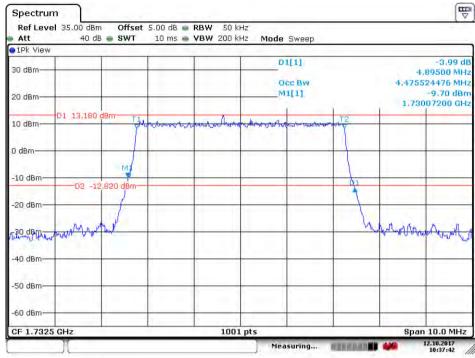
Date: 12.OCT.2017 10:39:03



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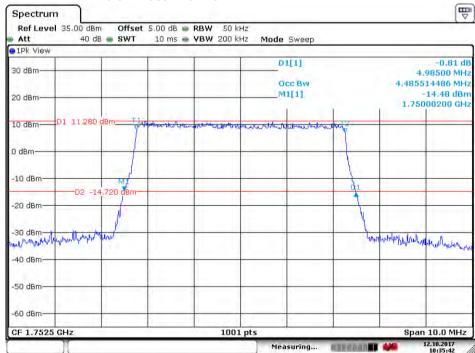
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Date: 12.OCT.2017 10:37:43





Date: 12.OCT.2017 10:35:42

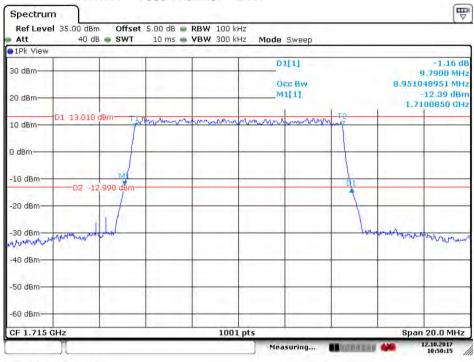


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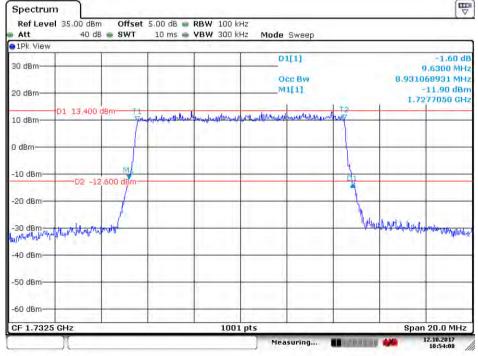
4.1.1.7 Test Mode = LTE/TM1 10MHz

4.1.1.7.1 Test Channel = LCH



Date: 12.OCT.2017 10:50:15





Date: 12.OCT.2017 10:54:09

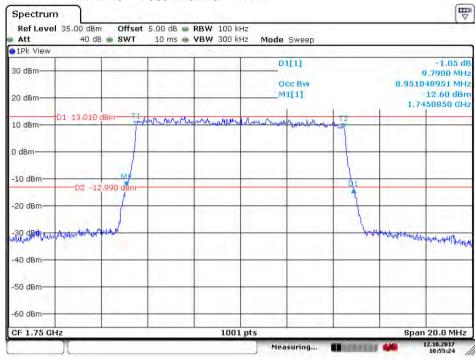
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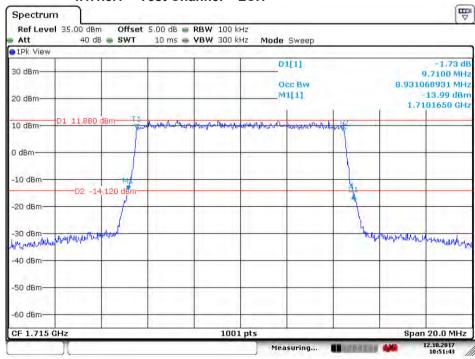
4.1.1.7.3 Test Channel = HCH



Date: 12.OCT.2017 10:55:24

4.1.1.8 Test Mode = LTE/TM2 10MHz

4.1.1.8.1 Test Channel = LCH



Date: 12.OCT.2017 10:51:44

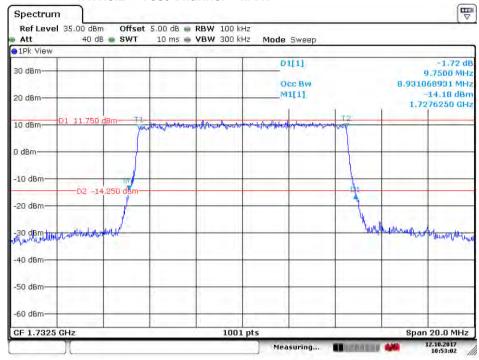
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Report No.: SZEM170900995904

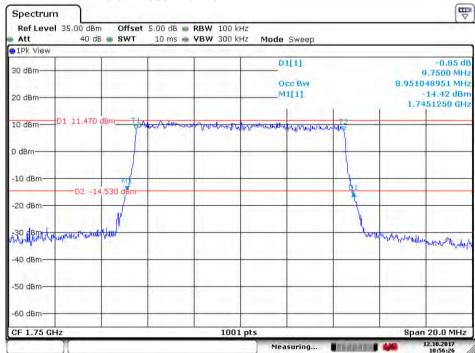
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4.1.1.8.2 Test Channel = MCH



Date: 12.OCT.2017 10:53:03





Date: 12.OCT.2017 10:56:26

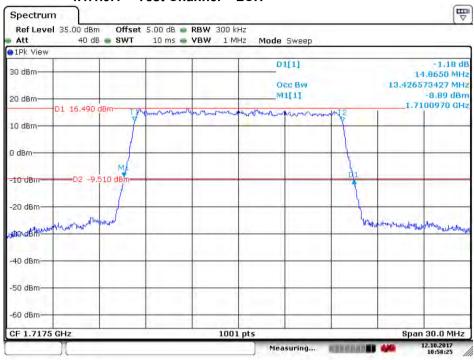


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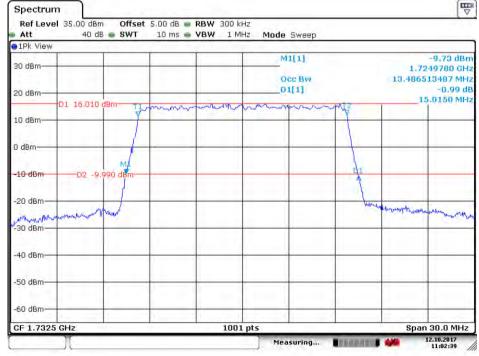
4.1.1.9 Test Mode = LTE/TM1 15MHz

4.1.1.9.1 Test Channel = LCH



Date: 12.OCT.2017 10:58:26





Date: 12.OCT.2017 11:02:39

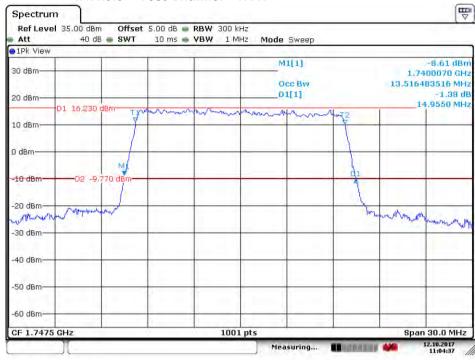
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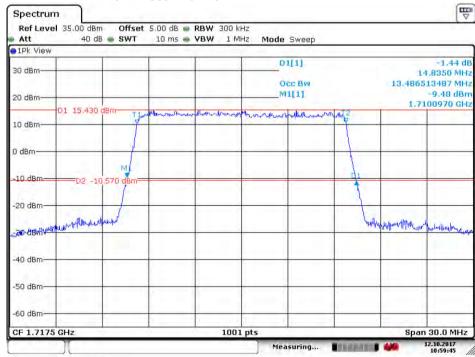
4.1.1.9.3 Test Channel = HCH



Date: 12.OCT.2017 11:04:37

4.1.1.10 Test Mode = LTE/TM2 15MHz

4.1.1.10.1 Test Channel = LCH



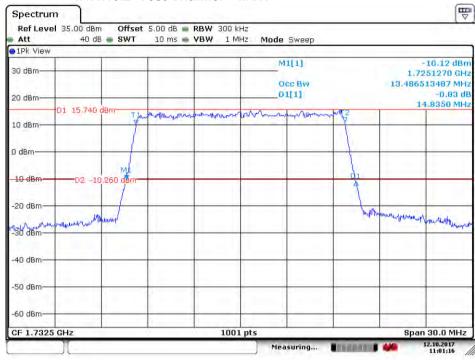
Date: 12.OCT.2017 10:59:45



Report No.: SZEM170900995904

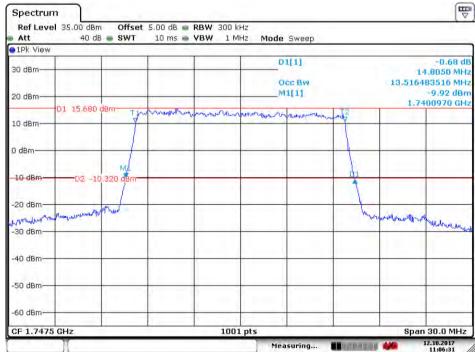
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4.1.1.10.2 Test Channel = MCH



Date: 12.OCT.2017 11:01:17





Date: 12.OCT.2017 11:06:32

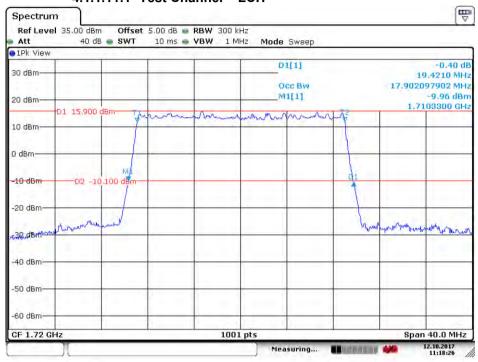


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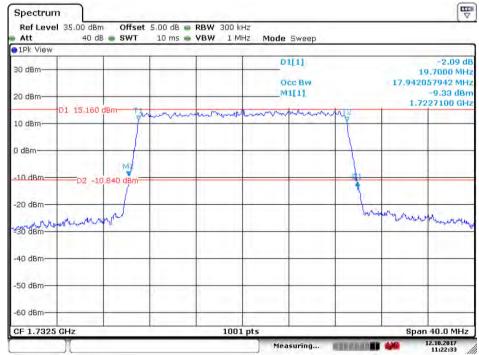
4.1.1.11 Test Mode = LTE/TM1 20MHz

4.1.1.11.1 Test Channel = LCH



Date: 12.OCT.2017 11:18:27





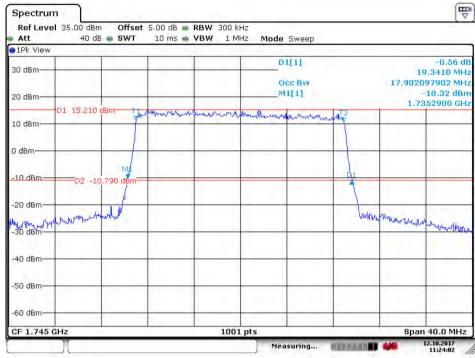
Date: 12.OCT.2017 11:22:34



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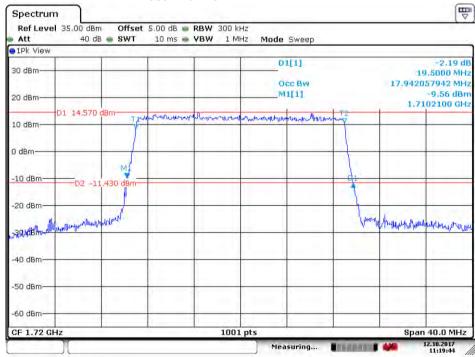
4.1.1.11.3 Test Channel = HCH



Date: 12.OCT.2017 11:24:02

4.1.1.12 Test Mode = LTE/TM2 20MHz

4.1.1.12.1 Test Channel = LCH



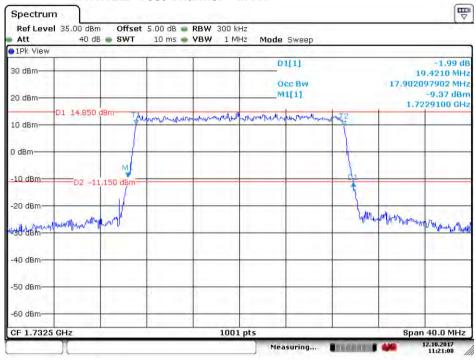
Date: 12.OCT.2017 11:19:45



Report No.: SZEM170900995904

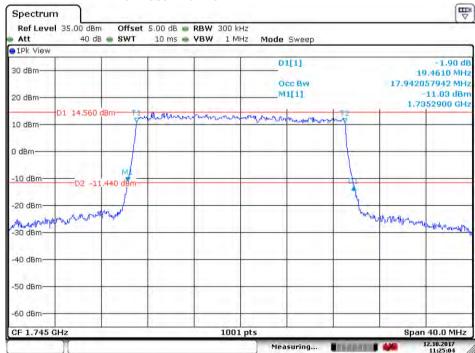
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4.1.1.12.2 Test Channel = MCH



Date: 12.OCT.2017 11:21:08





Date: 12.OCT.2017 11:25:04



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5 Band Edges Compliance

Part I –

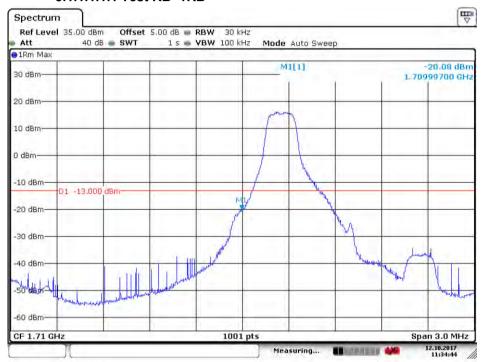
5.1 For LTE

5.1.1 Test Band = LTE band4

5.1.1.1 Test Mode = LTE/TM1 1.4MHz

5.1.1.1.1 Test Channel = LCH

5.1.1.1.1 Test RB=1RB



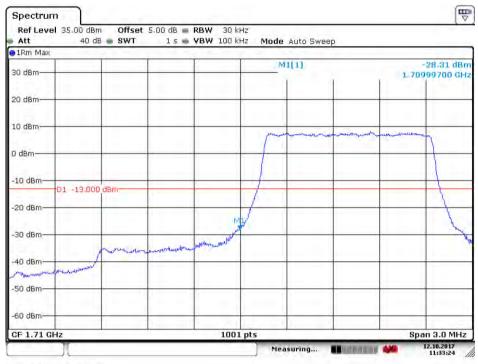
Date: 12.OCT.2017 11:34:43



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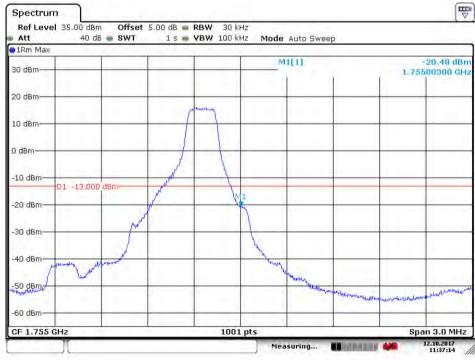
5.1.1.1.1.2 Test RB=6RB



Date: 12.OCT.2017 11:33:24

5.1.1.1.2 Test Channel = HCH

5.1.1.1.2.1 Test RB=1RB



Date: 12.OCT.2017 11:37:14

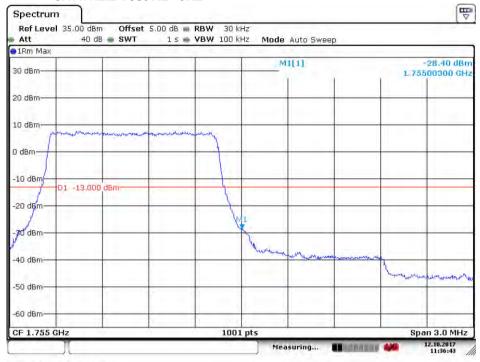
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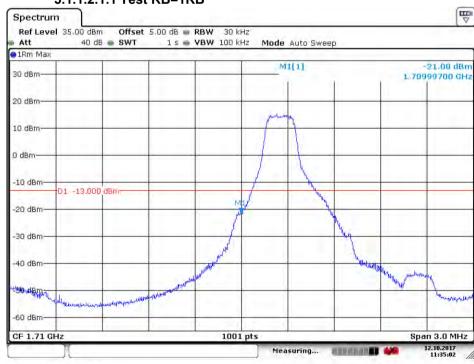
5.1.1.1.2.2 Test RB=6RB



Date: 12.OCT.2017 11:36:44

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

5.1.1.2.1.1 Test RB=1RB



Date: 12.OCT.2017 11:35:02

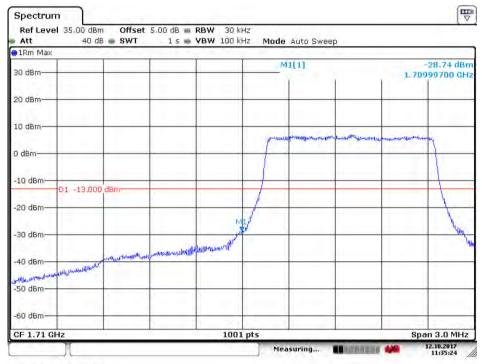
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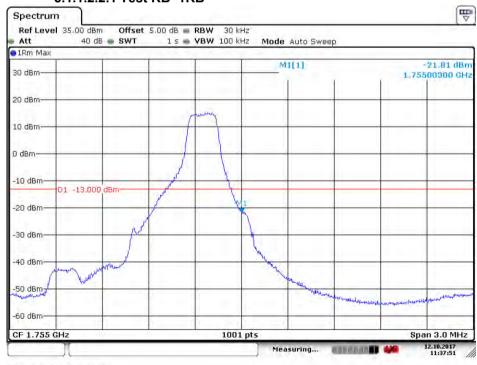
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Date: 12.OCT.2017 11:35:24

5.1.1.2.2 Test Channel = HCH

5.1.1.2.2.1 Test RB=1RB



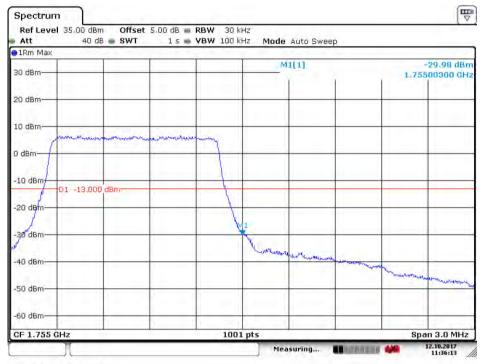
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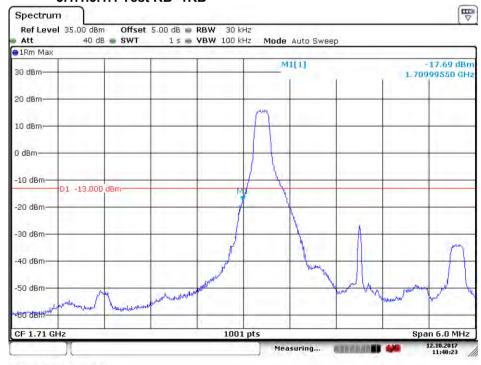
5.1.1.2.2.2 Test RB=6RB



Date: 12.OCT.2017 11:36:13

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



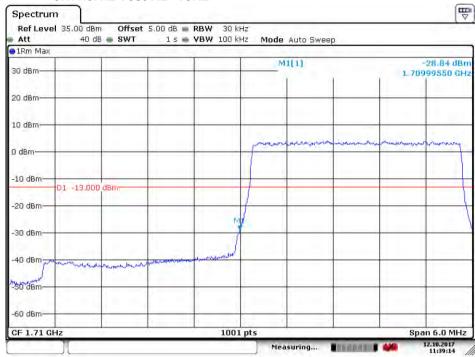
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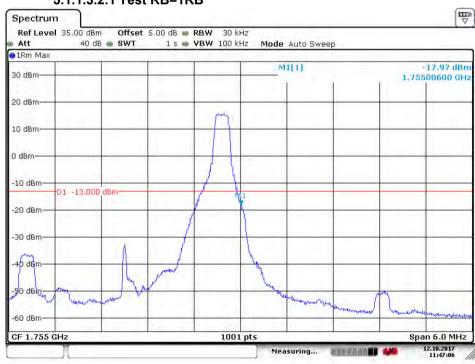
5.1.1.3.1.2 Test RB=15RB



Date: 12.OCT.2017 11:39:14

5.1.1.3.2 Test Channel = HCH

5.1.1.3.2.1 Test RB=1RB



Date: 12.OCT.2017 11:47:06

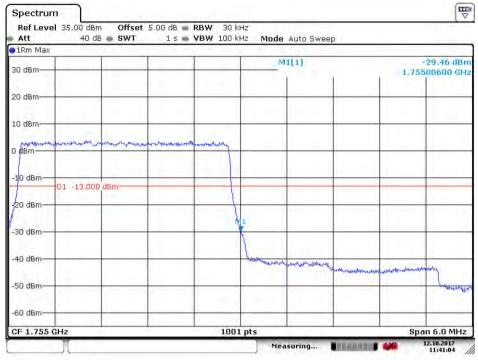
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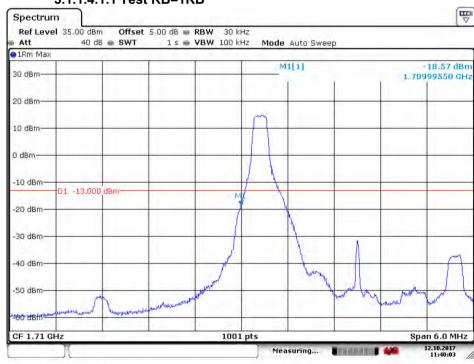
5.1.1.3.2.2 Test RB=15RB



Date: 12.OCT.2017 11:41:04

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



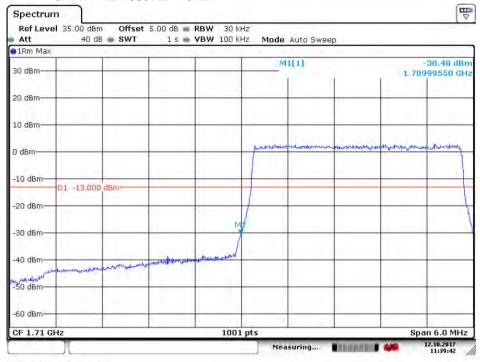
Date: 12.OCT.2017 11:40:03



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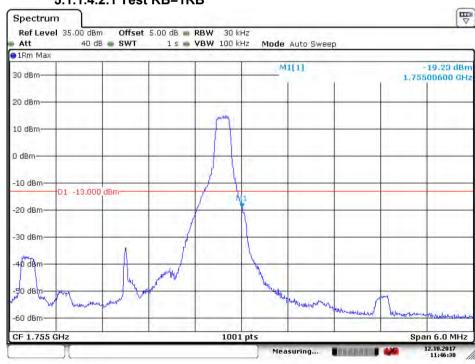
5.1.1.4.1.2 Test RB=15RB



Date: 12.OCT.2017 11:39:42

5.1.1.4.2 Test Channel = HCH

5.1.1.4.2.1 Test RB=1RB



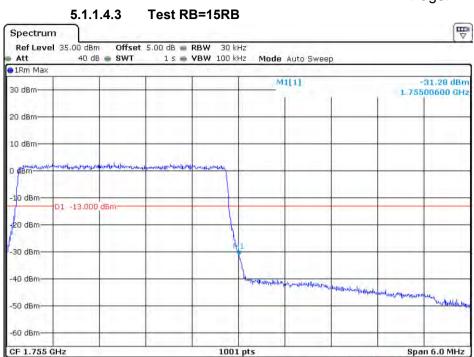
Date: 12.OCT.2017 11:46:31

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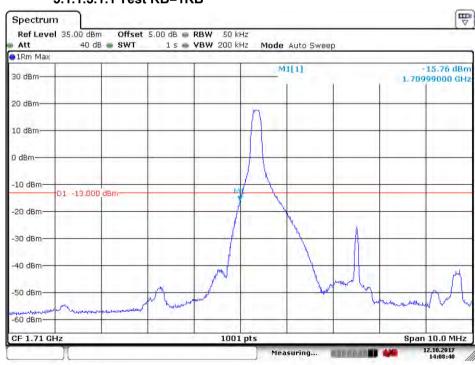


Measuring...

Date: 12.OCT.2017 11:46:03

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



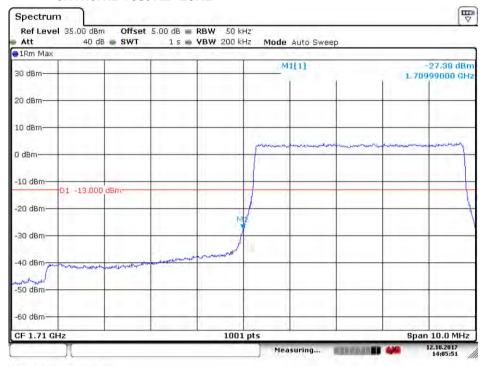
Date: 12.OCT.2017 14:08:40



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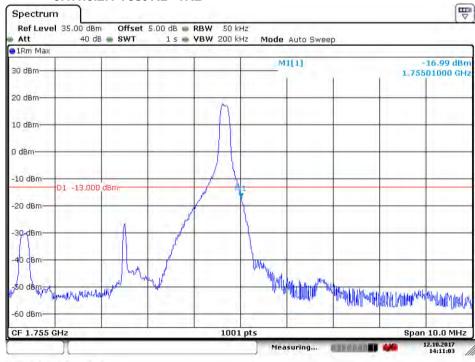
5.1.1.5.1.2 Test RB=25RB



Date: 12.OCT.2017 14:05:51

5.1.1.5.2 Test Channel = HCH

5.1.1.5.2.1 Test RB=1RB



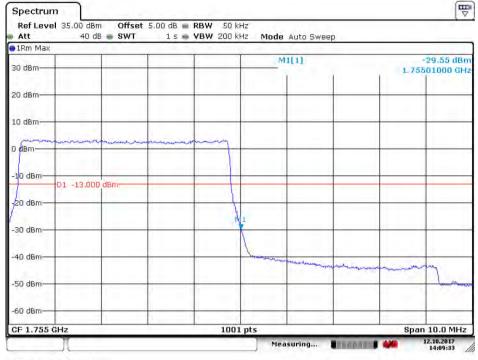
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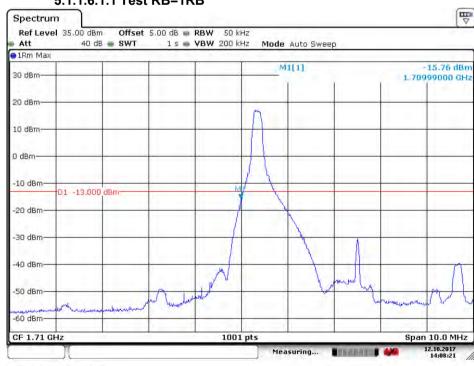
5.1.1.5.2.2 Test RB=25RB



Date: 12.OCT.2017 14:09:34

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: 12.OCT.2017 14:08:22

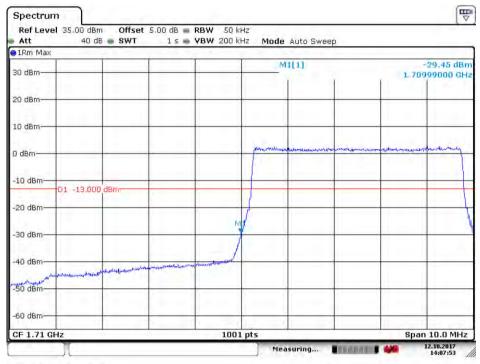
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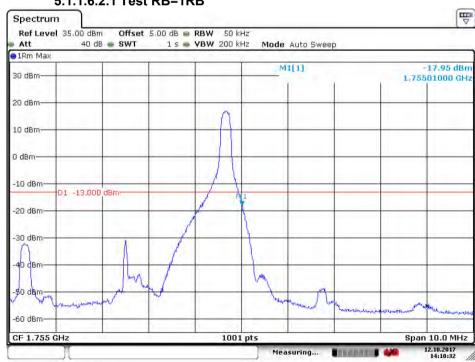
5.1.1.6.1.2 Test RB=25RB



Date: 12.OCT.2017 14:07:53

5.1.1.6.2 Test Channel = HCH

5.1.1.6.2.1 Test RB=1RB



Date: 12.OCT.2017 14:10:32

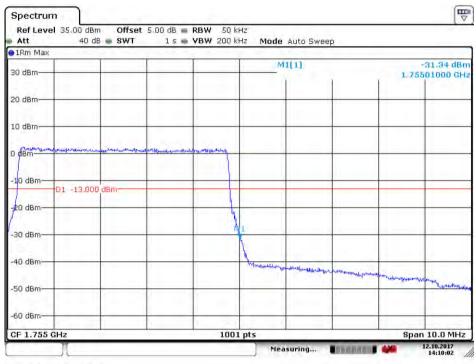
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5.1.1.6.2.2 Test RB=25RB

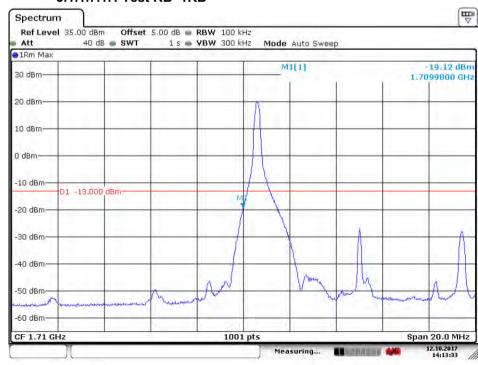


Date: 12.OCT.2017 14:10:03

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



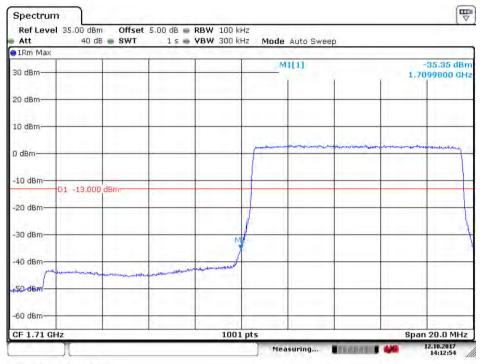
Date: 12.OCT.2017 14:13:33



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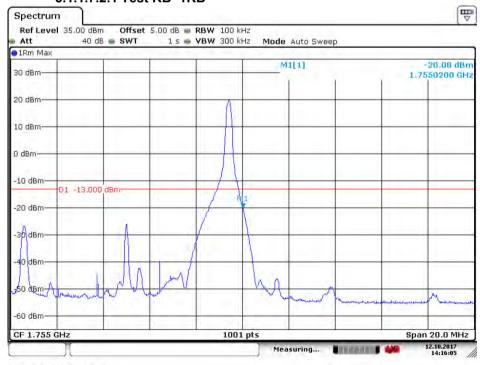
5.1.1.7.1.2 Test RB=50RB



Date: 12.OCT.2017 14:12:54

5.1.1.7.2 Test Channel = HCH

5.1.1.7.2.1 Test RB=1RB



Date: 12.OCT.2017 14:16:06



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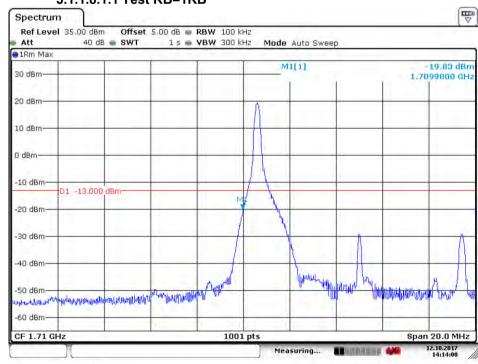
5.1.1.7.2.2 Test RB=50RB



Date: 12.OCT.2017 14:15:38

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



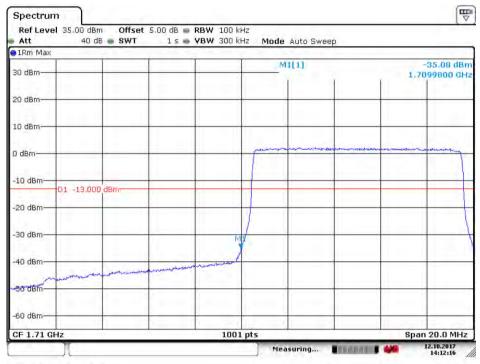
Date: 12.OCT.2017 14:14:00



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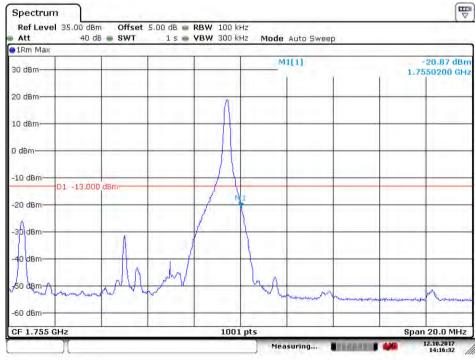
5.1.1.8.1.2 Test RB=50RB



Date: 12.OCT.2017 14:12:16

5.1.1.8.2 Test Channel = HCH

5.1.1.8.2.1 Test RB=1RB



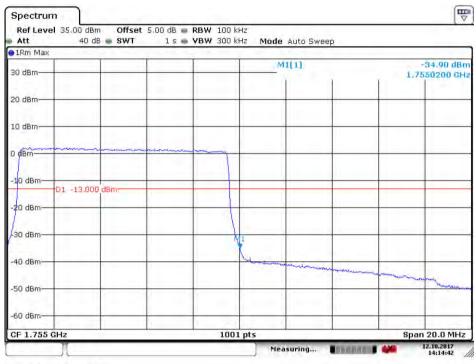
Date: 12.OCT.2017 14:16:32



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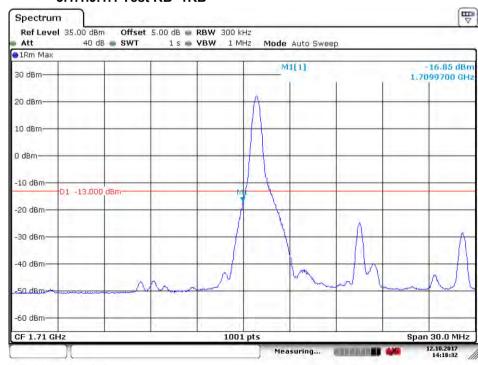
5.1.1.8.2.2 Test RB=50RB



Date: 12.OCT.2017 14:14:42

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: 12.OCT.2017 14:18:33

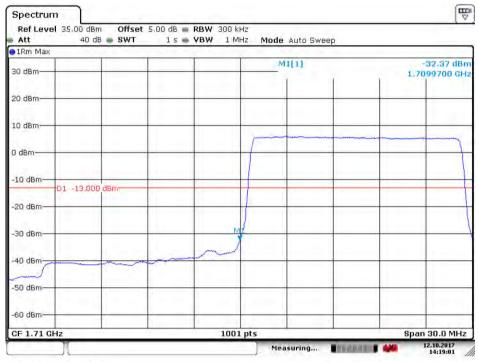
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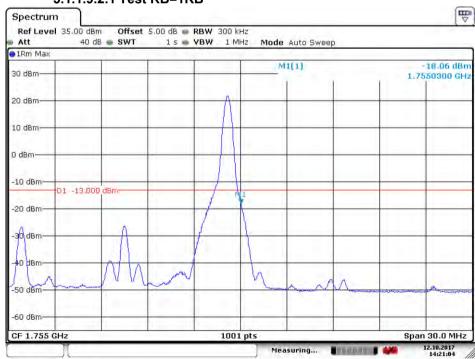
5.1.1.9.1.2 Test RB=75RB



Date: 12.OCT.2017 14:19:02

5.1.1.9.2 Test Channel = HCH

5.1.1.9.2.1 Test RB=1RB



Date: 12.OCT.2017 14:21:05

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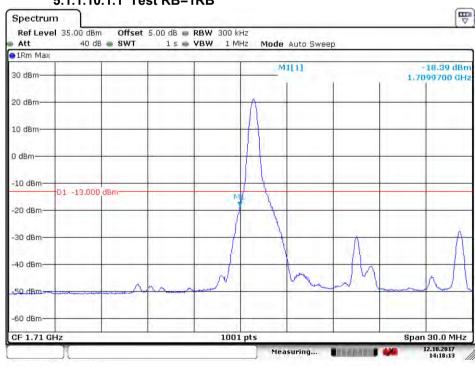
5.1.1.9.2.2 Test RB=75RB



Date: 12.OCT.2017 14:19:42

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: 12.OCT.2017 14:18:13



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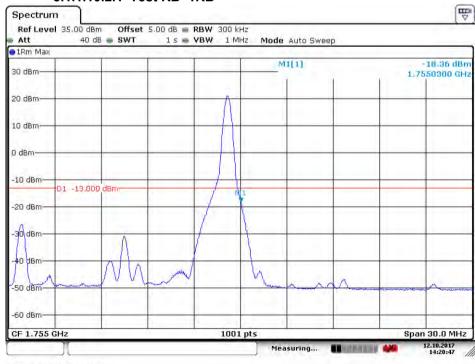
5.1.1.10.1.2 Test RB=75RB



Date: 12.OCT.2017 14:17:41

5.1.1.10.2 Test Channel = HCH

5.1.1.10.2.1 Test RB=1RB



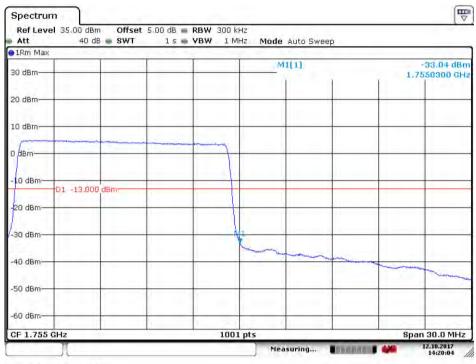
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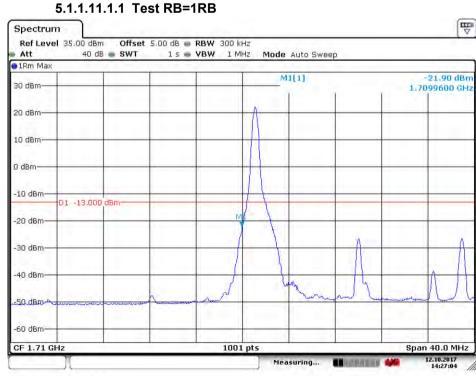
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5.1.1.10.2.2 Test RB=75RB



Date: 12.OCT.2017 14:20:05

5.1.1.11 Test Mode = LTE/TM1 20MHz 5.1.1.11.1 Test Channel = LCH



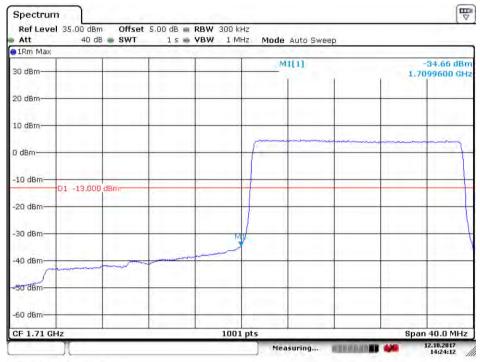
Date: 12.OCT.2017 14:27:05



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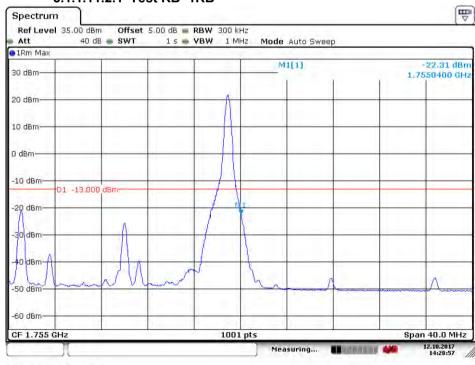
5.1.1.11.1.2 Test RB=100RB



Date: 12.OCT.2017 14:24:12

5.1.1.11.2 Test Channel = HCH

5.1.1.11.2.1 Test RB=1RB



Date: 12.OCT.2017 14:28:58

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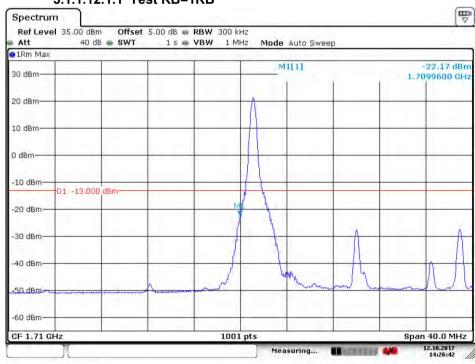
5.1.1.11.2.2 Test RB=100RB



Date: 12.OCT.2017 14:27:46

5.1.1.12 Test Mode = LTE/TM2 20MHz 5.1.1.12.1 Test Channel = LCH

5.1.1.12.1.1 Test RB=1RB



Date: 12.OCT.2017 14:26:41

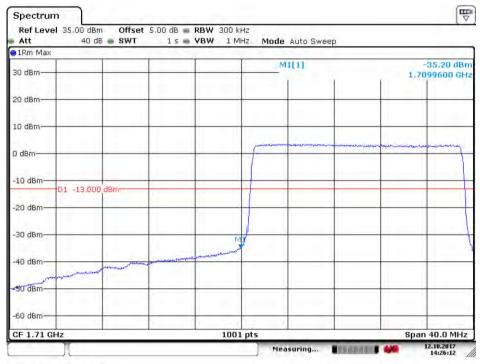
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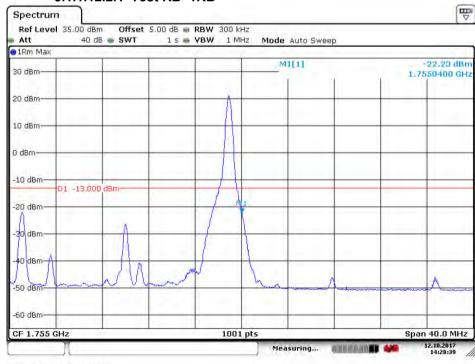
5.1.1.12.1.2 Test RB=100RB



Date: 12.OCT.2017 14:26:12

5.1.1.12.2 Test Channel = HCH

5.1.1.12.2.1 Test RB=1RB



Date: 12.OCT.2017 14:28:40

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5.1.1.12.2.2 Test RB=100RB



Date: 12.OCT.2017 14:28:18



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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)

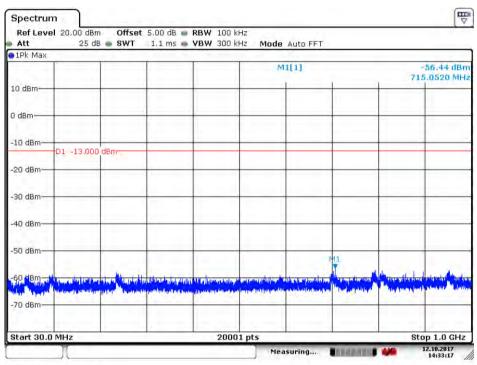
Part I - Test Plots

6.1 For LTE

6.1.1 Test Band = LTE band4

6.1.1.1 Test Mode = LTE / TM1 20MHz RB1#0

6.1.1.1.1 Test Channel = LCH

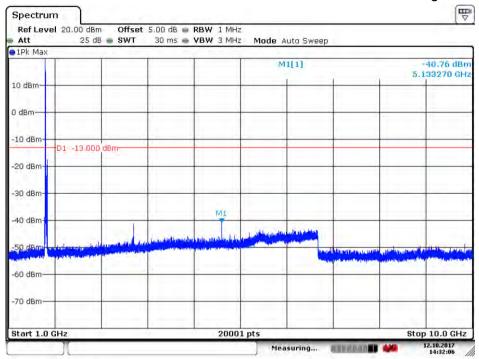


Date: 12.OCT.2017 14:33:17

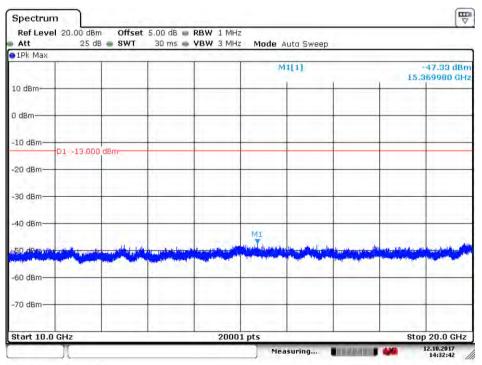


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Date: 12.OCT.2017 14:32:06



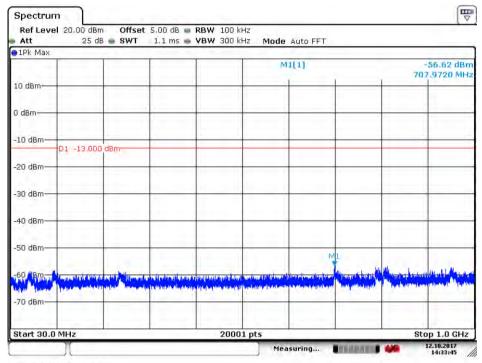
Date: 12.OCT.2017 14:32:42



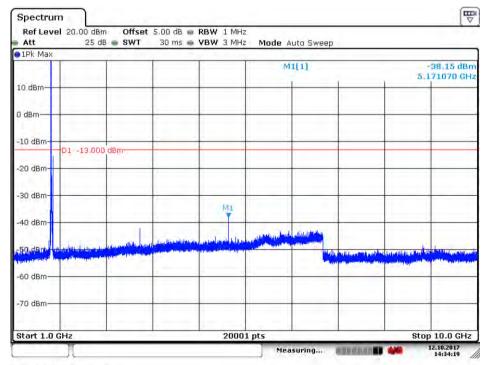
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6.1.1.1.2 Test Channel = MCH



Date: 12.OCT.2017 14:33:46



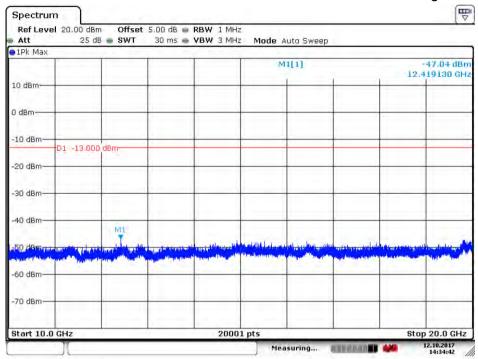
Date: 12.OCT.2017 14:34:19

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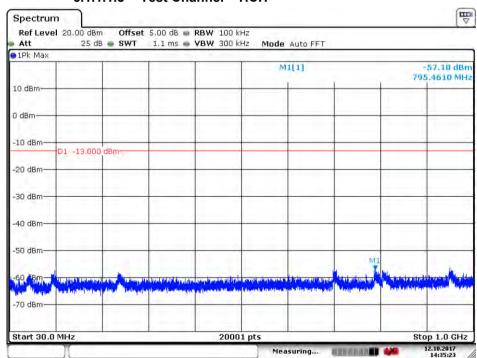
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Date: 12.OCT.2017 14:34:43



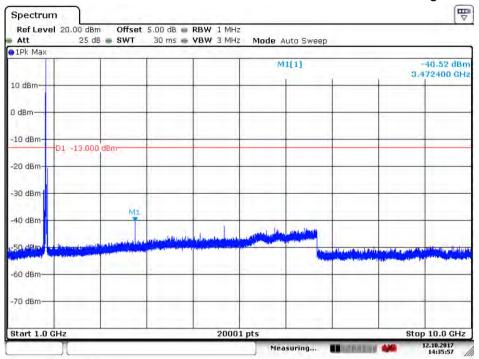


Date: 12.OCT.2017 14:35:23

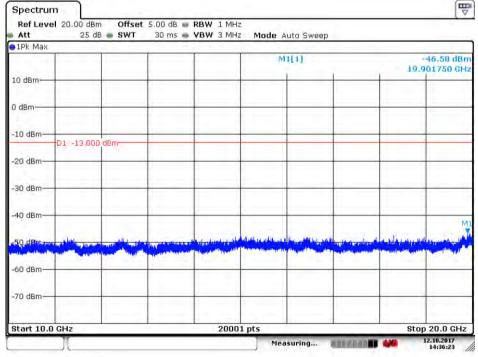


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Date: 12.OCT.2017 14:35:57



Date: 12.OCT.2017 14:36:23



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7 Field Strength of Spurious Radiation

7.1 For LTE

Main Supply:

7.1.1 Test Band = LTE band4

7.1.1.1 Test Mode =LTE/TM1 20MHz RB1#0

7.1.1.1.1 Test Channel = LCH

	100t Onamio E0			
Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
1298.000	-66.55	-13.00	-53.55	Vertical
4267.500	-66.79	-13.00	-53.79	Vertical
5632.500	-66.08	-13.00	-53.08	Vertical
1529.000	-65.80	-13.00	-52.80	Horizontal
4365.000	-67.08	-13.00	-54.08	Horizontal
5437.500	-66.73	-13.00	-53.73	Horizontal

7.1.1.1.2 Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization	
1749.000	-63.73	-13.00 -50.73		Vertical	
4462.500	-67.16	-13.00	-54.16	Vertical	
6607.500	-64.78	-13.00	-51.78	Vertical	
1837.000	-62.71	-13.00	-49.71	Horizontal	
2816.000	-56.62	-13.00	-43.62	Horizontal	
6315.000	-65.39	-13.00	-52.39	Horizontal	

7.1.1.1.3 Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
1210.000	-65.93	-13.00	-52.93	Vertical
4462.500	-67.13	-13.00	-54.13	Vertical
6607.500	-64.75	-13.00	-51.75	Vertical
1210.000	-65.93	-13.00	-52.93	Horizontal
4462.500	-67.13	-13.00	-54.13	Horizontal
6607.500	-64.75	-13.00	-51.75	Horizontal



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Secondary Supply:

7.1.2 Test Band = LTE band4

7.1.2.1 Test Mode =LTE/TM1 20MHz RB1#0

7.1.2.1.1 Test Channel = MCH

	100t Ollullion III	•		
Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Polarization
3585.000	-68.01	-13.00	-55.01	Vertical
5145.000	-63.26	-13.00	-50.26	Vertical
9045.000	-62.87	-13.00	-49.87	Vertical
3585.000	-67.91	-13.00	-54.91	Horizontal
6022.500	-65.24	-13.00	-52.24	Horizontal
10507.500	-62.85	-13.00	-49.85	Horizontal

NOTE:

1) 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	-3.03	-0.00176	PASS
				VN	0.48	0.00028	PASS
				VH	-5.73	-0.00333	PASS
				VL	1.45	0.00084	PASS
	LTE/TM1 20MHz	MCH	TN	VN	-3.84	-0.00222	PASS
				VH	2.63	0.00152	PASS
				VL	-6.46	-0.00368	PASS
		HCH	TN	VN	-2.17	-0.00124	PASS
LTEband2				VH	-0.75	-0.00043	PASS
LIEDANUZ	LTE/TM2 20MHz	LCH	TN	VL	-6.28	-0.00365	PASS
				VN	-2.45	-0.00142	PASS
				VH	-2.16	-0.00126	PASS
		MCH	TN	VL	1.57	0.00091	PASS
				VN	-1.80	-0.00104	PASS
				VH	2.69	0.00155	PASS
		HCH TN		VL	-4.08	-0.00233	PASS
			TN	VN	-3.07	-0.00175	PASS
				VH	0.94	0.00054	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	-0.40	-0.00023	PASS
				-20	-1.44	-0.00084	PASS
				-10	2.38	0.00138	PASS
				0	1.65	0.00096	PASS
		LCH	VN	10	1.25	0.00073	PASS
				20	4.11	0.00239	PASS
				30	-0.61	-0.00035	PASS
				40	-1.14	-0.00066	PASS
				50	5.59	0.00325	PASS
				-30	-3.80	-0.00219	PASS
	LTE/TM1 20MHz		VN	-20	-5.25	-0.00303	PASS
				-10	-3.49	-0.00201	PASS
				0	-5.02	-0.00290	PASS
LTEband2		MCH		10	-2.04	-0.00118	PASS
				20	-4.94	-0.00285	PASS
				30	-5.56	-0.00321	PASS
				40	-1.62	-0.00094	PASS
				50	-6.02	-0.00347	PASS
				-30	2.54	0.00145	PASS
				-20	-1.42	-0.00081	PASS
				-10	4.53	0.00258	PASS
				0	-4.23	-0.00241	PASS
		HCH	VN	10	1.60	0.00091	PASS
				20	-0.67	-0.00038	PASS
				30	-2.65	-0.00151	PASS
				40	-5.53	-0.00315	PASS
				50	-2.90	-0.00165	PASS



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Test Band	Test Mode	Test Channel	Test Volt.	Test Temp.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict
				-30	-0.10	-0.00006	PASS
				-20	-2.25	-0.00131	PASS
				-10	3.78	0.00220	PASS
				0	5.64	0.00328	PASS
		LCH	VN	10	1.60	0.00093	PASS
				20	-0.23	-0.00013	PASS
				30	-0.64	-0.00037	PASS
				40	2.34	0.00136	PASS
				50	0.75	0.00044	PASS
				-30	-2.80	-0.00162	PASS
	LTE/TM2 20MHz		VN	-20	-5.88	-0.00339	PASS
		МСН		-10	-2.29	-0.00132	PASS
				0	-4.72	-0.00272	PASS
LTEband2				10	-0.24	-0.00014	PASS
				20	1.77	0.00102	PASS
				30	-6.64	-0.00383	PASS
				40	-2.67	-0.00154	PASS
				50	-3.91	-0.00226	PASS
				-30	1.78	0.00101	PASS
				-20	-2.35	-0.00134	PASS
				-10	1.79	0.00102	PASS
				0	-2.73	-0.00156	PASS
		HCH	VN	10	2.81	0.00160	PASS
				20	-5.47	-0.00312	PASS
				30	-6.59	-0.00376	PASS
				40	-4.43	-0.00253	PASS
				50	-2.60	-0.00148	PASS

The End