

Appendix for WCDMA Band II

Model: LGE-NX9

BTL-FCCP-2-2203G019



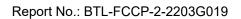


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1. APPENDIX A - EFFECTIVE (ISOTROPIC) RADIATED POWER OF TRANSMITTER

Effective (Isotropic) Radiated Power of Transmitter										
Test Band	est Band Test Mode Test Conducted Gain EIRP Limit Ve									
		LCH	24.27	-3.2	21.07	33	PASS			
2	TM1	MCH	24.48	-3.2	21.28	33	PASS			
		HCH	24.50	-3.2	21.30	33	PASS			





2. APPENDIX B - PEAK-TO-AVERAGE RATIO

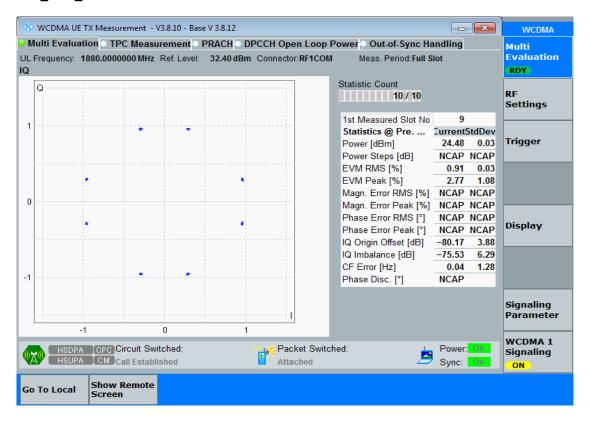
Peak-to-Average Ratio										
Test Band Test Mode Test Channel Measured[dB] Limit [dBm] Verdict										
		LCH	2.75	13	PASS					
2	TM1	MCH	2.66	13	PASS					
		HCH	2.62	13	PASS					



3. APPENDIX C - MODULATION CHARACTERISTICS

3.1 TEST PLOTS

3.1.1 BAND 2_TM1_MCH





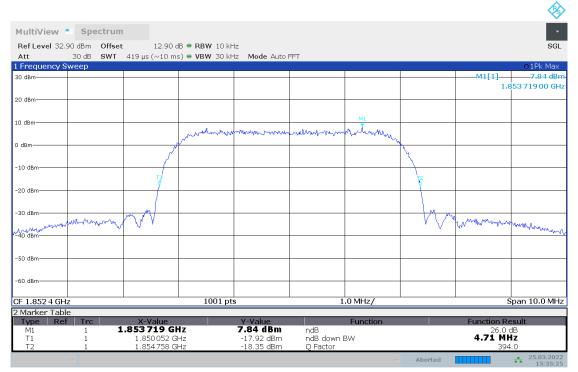
4. APPENDIX D - OCCUPIED BANDWIDTH

Occupied Bandwidth										
Test Band Test Mode Test Channel Occupied Emission Verdi Bandwidth [kHz] Bandwidth [KHz]										
		LCH	4.16	4.71	PASS					
2	TM1	MCH	4.16	4.71	PASS					
		HCH	4.16	4.71	PASS					

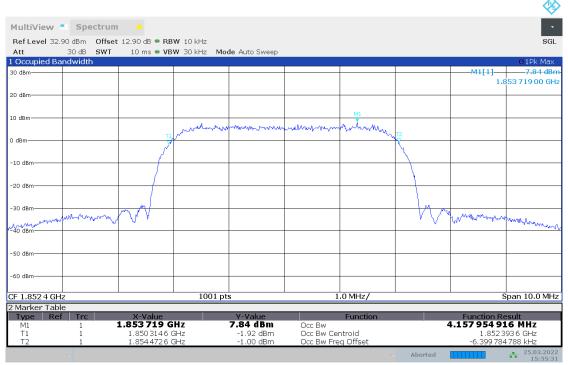


4.2 TEST PLOTS

4.2.1 BAND 2_TM1_LCH



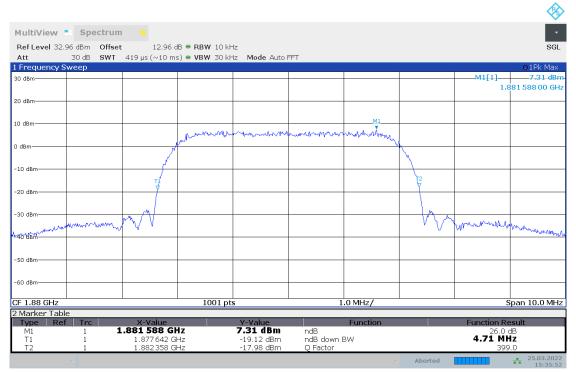
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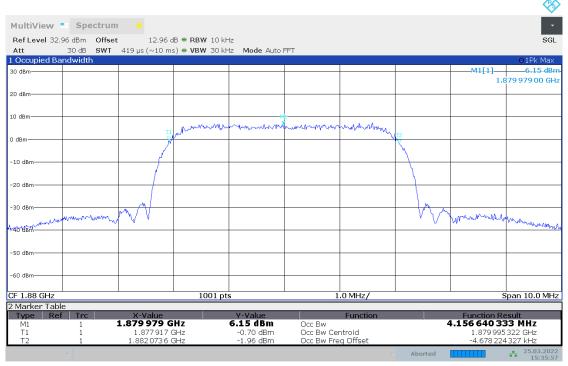
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4.2.2 BAND 2_TM1_MCH



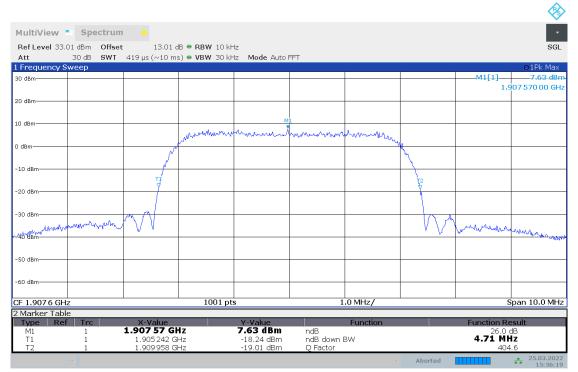
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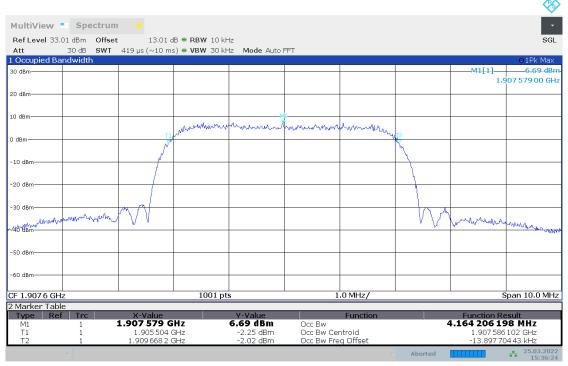
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4.2.3 BAND 2_TM1_HCH



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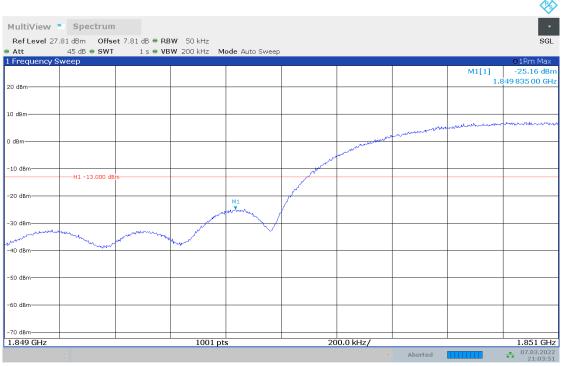
5. APPENDIX E - BAND EDGES COMPLIANCE

Band Edges Compliance									
Test Band Test Mode Test Channel Frequency Power Limit Verdi									
2	TM1	LCH	1849.8	-25.16	-13	PASS			
	TM1	HCH	1910	-24.96	-13	PASS			



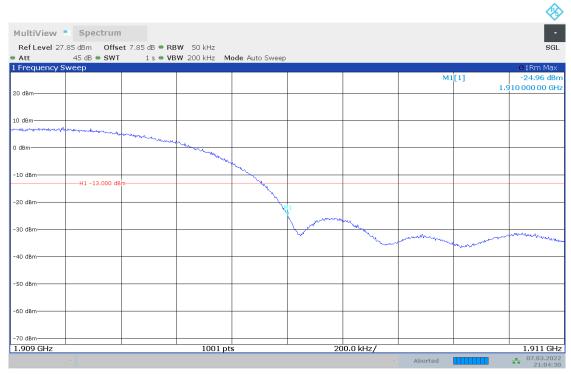
5.2 TEST PLOTS

5.2.1 BAND 2_TM1_LCH



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5.2.2 BAND 2_TM1_HCH



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6. APPENDIX F - SPURIOUS EMISSION AT ANTENNA TERMINAL

Spurious Emission at Antenna Terminal										
Test Band	Test Mode	Test Channel	Start Freq. [MHz]	Stop Freq. [MHz]	Measured Freq. [MHz]	Measured Power [dBm]	Limit [dBm]	Verdict		
			0.009	0.15	0.01	-81.61	-43	PASS		
		TM1 MCH	0.15	30	28.25	-61.11	-33	PASS		
			30	20000	18966.33	-33.37	-13	PASS		
			0.009	0.15	0.01	-82.34	-43	PASS		
2	TM1		0.15	30	22.61	-61.61	-33	PASS		
			30	20000	18736.68	-34.20	-13	PASS		
			0.009	0.15	0.01	-82.47	-43	PASS		
			0.15	30	21.23	-61.33	-33	PASS		
		30	20000	18034.25	-34.73	-13	PASS			

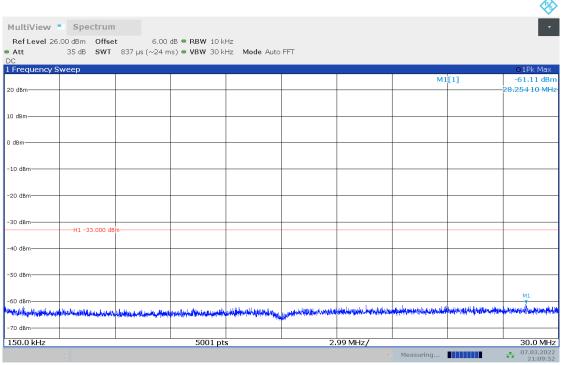


6.2 TEST PLOTS

6.2.1 BAND 2_TM1_LCH

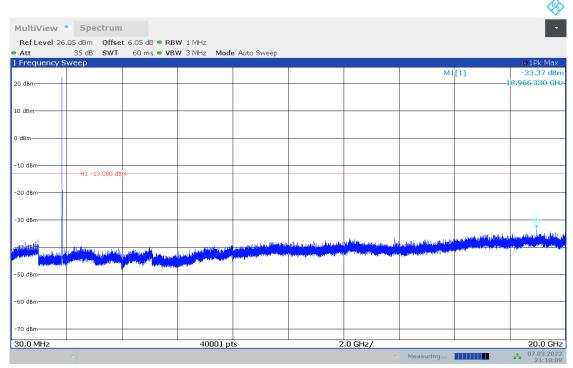


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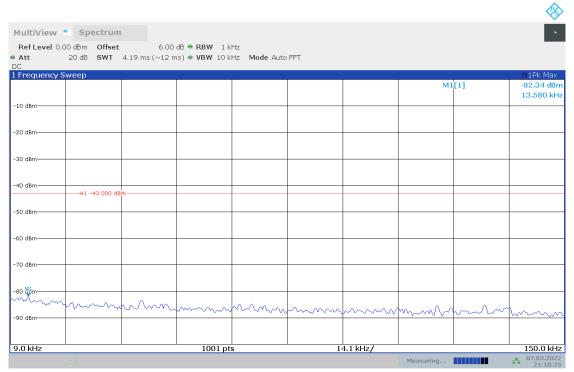




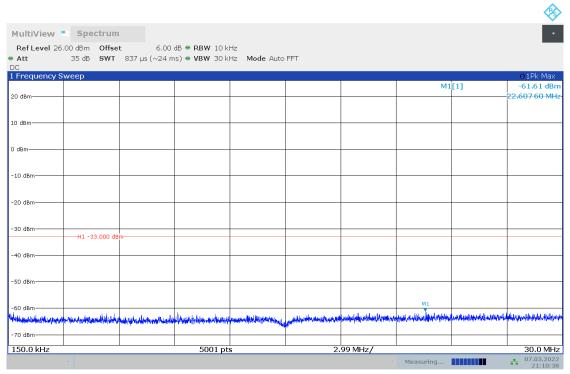
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6.2.2 BAND 2_TM1_MCH

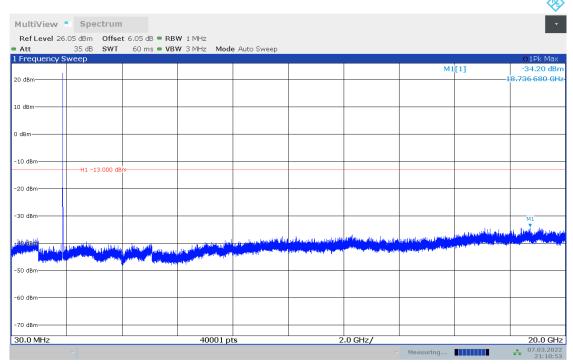


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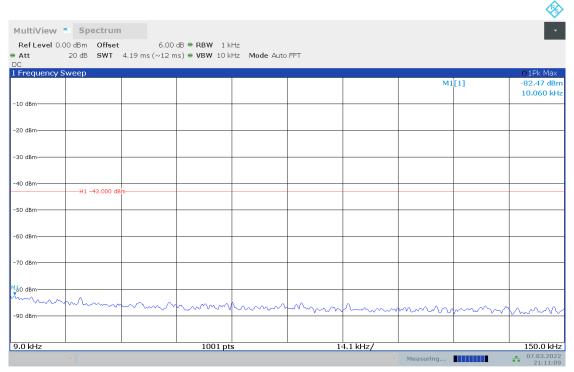




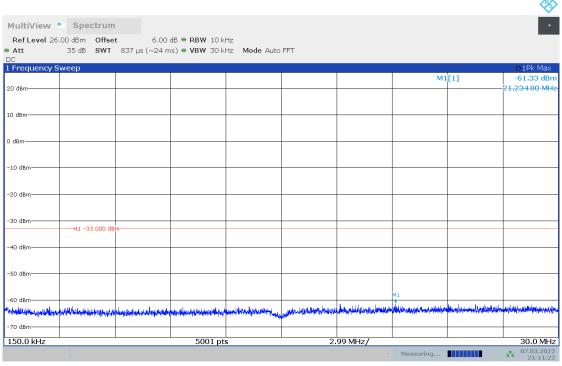
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6.2.3 BAND 2_TM1_HCH

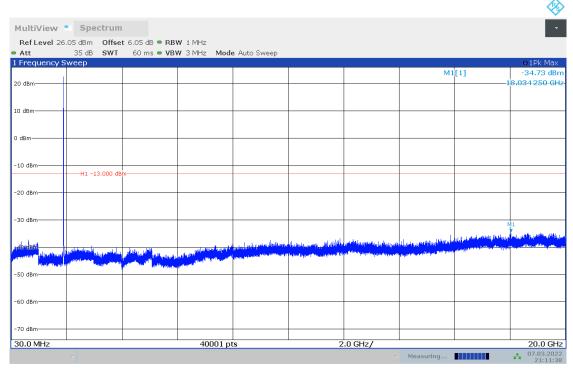


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7. APPENDIX G - FREQUENCY STABILITY

7.1 TEST RESULTS

7.1.1 FREQUENCY ERROR VS. VOLTAGE

Frequency Error vs. Voltage									
Test	Test Mode	Test	Test	Test	Freq. Error	Freq. vs. rated	Verdict		
Band	TOST WIOGC	Channel	Temp.	Volt.	[Hz]	[ppm]	verdict		
			TN	VH	4.79	0	PASS		
		LCH	TN	VN	4.29	0	PASS		
			TN	VL	3.45	0	PASS		
			TN	VH	0.76	0	PASS		
2	2 UMTS/TM1	MCH	TN	VN	0.96	0	PASS		
			TN	VL	0.44	0	PASS		
		НСН	TN	VH	-1.54	0	PASS		
			TN	VN	-1.67	0	PASS		
			TN	VL	-2.37	0	PASS		





7.1.2 FREQUENCY ERROR VS. TEMPERATURE

	Frequency Error vs. Temperature									
Test Band	Test Mode	Test Channel	Test Temp.	Test Volt.	Freq. Error [Hz]	Freq. vs. rated [ppm]	Verdict			
			VN	-30	7.22	0	PASS			
			VN	-20	6.30	0	PASS			
			VN	-10	6.06	0	PASS			
			VN	0	5.58	0	PASS			
		LCH	VN	10	5.56	0	PASS			
			VN	20	5.63	0	PASS			
			VN	30	6.39	0	PASS			
			VN	40	5.73	0	PASS			
			VN	50	6.94	0	PASS			
		ITS/TM1 MCH	VN	-30	2.11	0	PASS			
			VN	-20	2.18	0	PASS			
			VN	-10	2.22	0	PASS			
			VN	0	1.86	0	PASS			
2	UMTS/TM1		VN	10	2.28	0	PASS			
			VN	20	2.11	0	PASS			
			VN	30	2.15	0	PASS			
			VN	40	1.93	0	PASS			
			VN	50	2.09	0	PASS			
			VN	-30	-2.44	0	PASS			
			VN	-20	-2.84	0	PASS			
			VN	-10	-3.20	0	PASS			
		НСН	VN	0	-2.66	0	PASS			
			VN	10	-2.44	0	PASS			
			VN	20	-2.46	0	PASS			
			VN	30	-2.39	0	PASS			
			VN	40	-1.44	0	PASS			
			VN	50	-1.86	0	PASS			