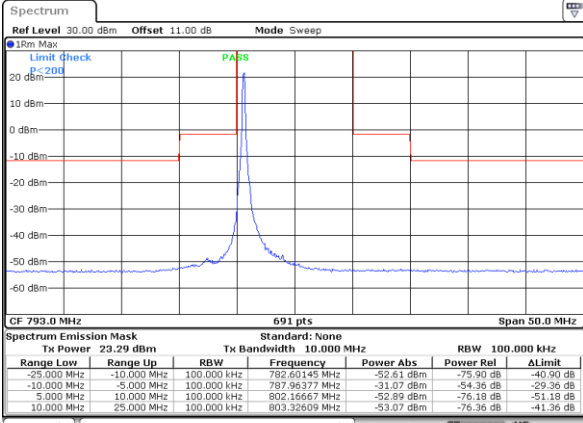


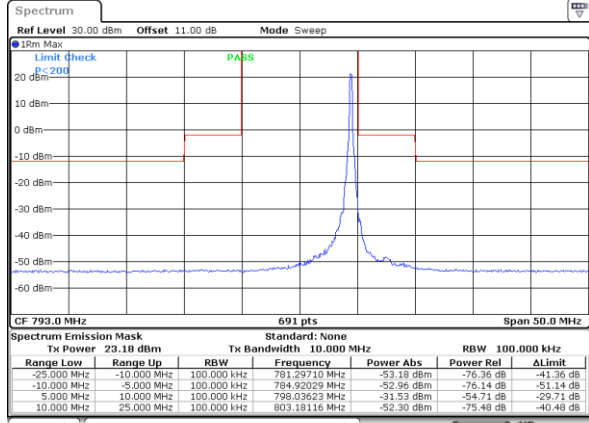


LTE Band 14 / 10MHz / QPSK

Middle Channel / 1RB

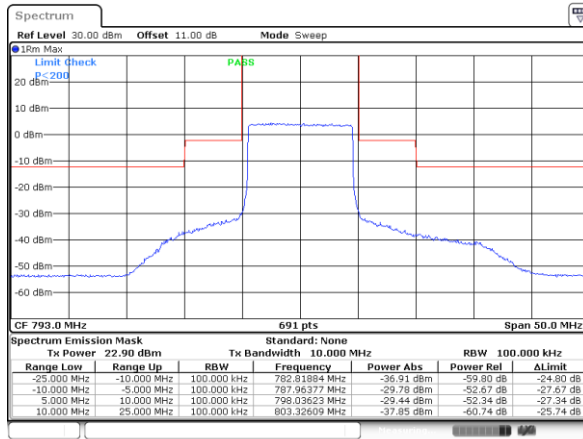


Date: 18.MAY.2022 07:44:00



Date: 18.MAY.2022 07:44:128

Middle Channel / Full RB

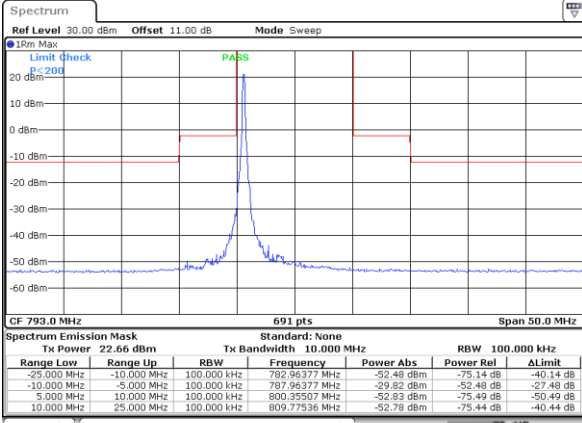


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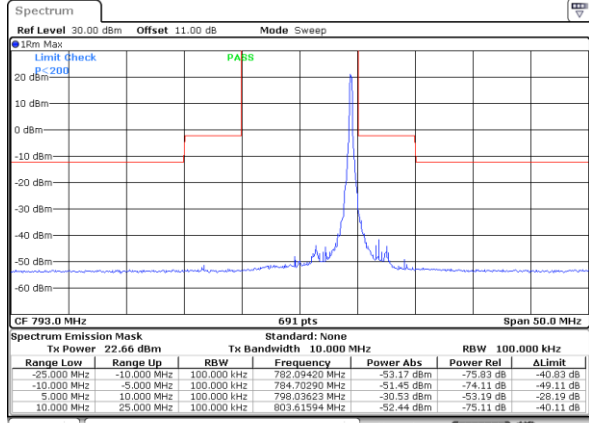


LTE Band 14 / 10MHz / 16QAM

Middle Channel / 1RB

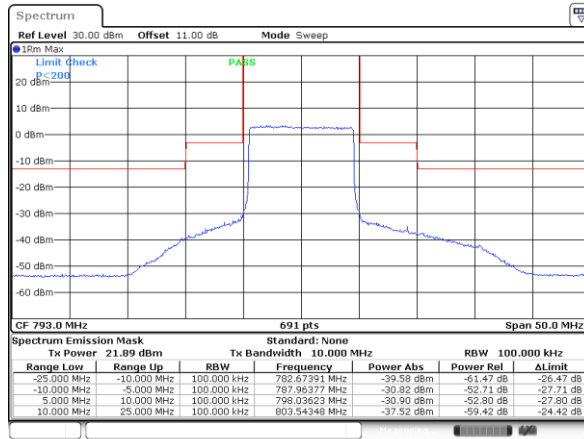


Date: 18.MAY.2022 07:50:24



Date: 18.MAY.2022 07:50:51

Middle Channel / Full RB

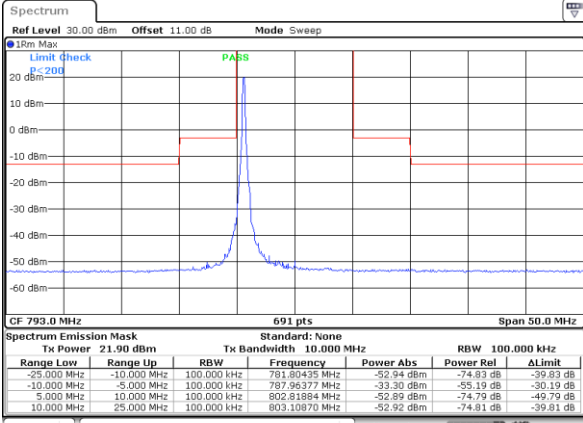


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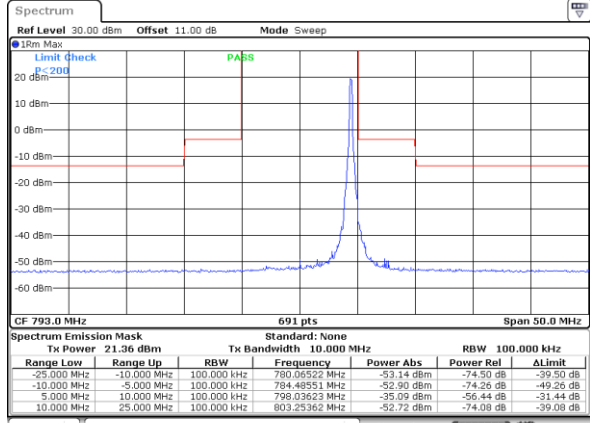


LTE Band 14 / 10MHz / 64QAM

Middle Channel / 1RB

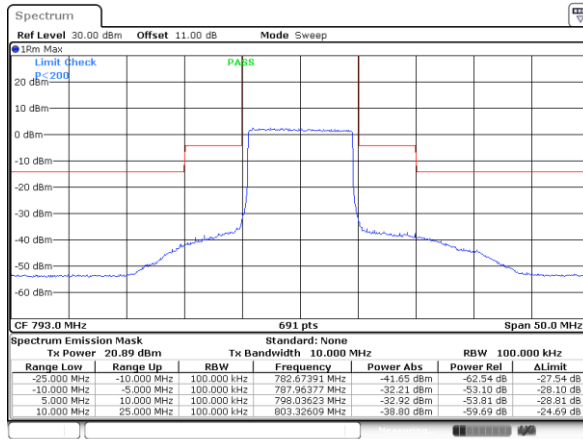


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Date: 18.MAY.2022 07:52:14

Middle Channel / Full RB

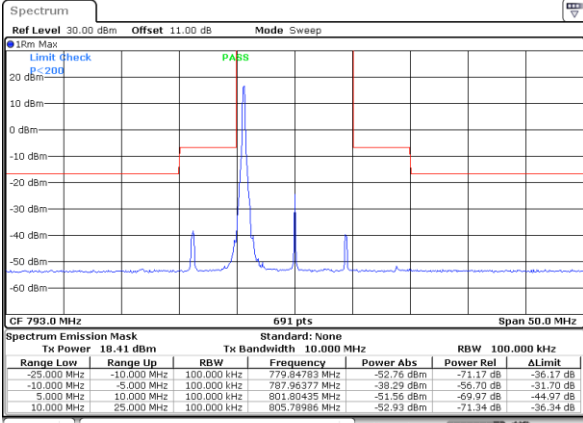


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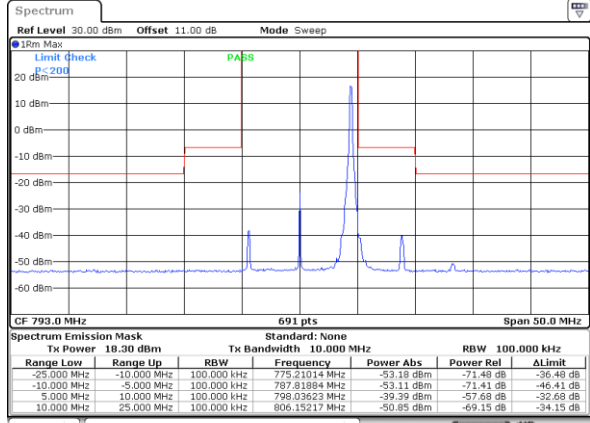


LTE Band 14 / 10MHz / 256QAM

Middle Channel / 1RB

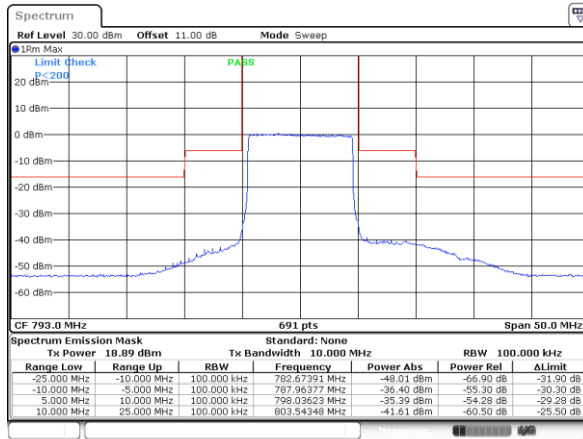


Date: 18.MAY.2022 08:00:47



Date: 18.MAY.2022 08:01:14

Middle Channel / Full RB



Date: 18.MAY.2022 08:01:42



Frequency Stability

Test Conditions		LTE Band 14 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0018	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0164	
0	Normal Voltage	0.0034	
-10	Normal Voltage	0.0038	
-20	Normal Voltage	0.0180	
-30	Normal Voltage	0.0126	
20	Maximum Voltage	0.0044	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

- 1. Normal Voltage = 3.85 V. ; Battery End Point (BEP) = 3.30 V. ; Maximum Voltage = 4.25 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

LTE Band 14

LTE Band 14 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1576	-63.36	-42.15	-21.21	-74.68	-65.35	0.95	5.09	H
	2364	-59.51	-13	-46.51	-76.25	-61.1	1.25	4.99	H
	3152	-57.66	-13	-44.66	-76.3	-60.48	1.50	6.47	H
									H
									H
									H
	1576	-62.36	-42.15	-20.21	-74.18	-64.35	0.95	5.09	V
	2364	-58.54	-13	-45.54	-75.69	-60.13	1.25	4.99	V
	3152	-57.61	-13	-44.61	-76.89	-60.43	1.50	6.47	V
									V
									V
									V
Middle	1584	-63.52	-42.15	-21.37	-74.83	-65.49	0.95	5.06	H
	2373	-58.93	-13	-45.93	-75.75	-60.55	1.25	5.02	H
	3164	-58.27	-13	-45.27	-76.9	-61.14	1.50	6.52	H
									H
									H
									H
	1584	-62.87	-42.15	-20.72	-74.68	-64.84	0.95	5.06	V
	2373	-58.92	-13	-45.92	-76.15	-60.54	1.25	5.02	V
	3164	-57.62	-13	-44.62	-76.89	-60.49	1.50	6.52	V
									V
									V
									V



LTE Band 14 / 5MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Highest	1584	-63.02	-42.15	-20.87	-74.33	-64.99	0.95	5.06	H
	2379	-59.25	-13	-46.25	-76.08	-60.88	1.25	5.04	H
	3172	-58.44	-13	-45.44	-77.15	-61.35	1.50	6.56	H
									H
									H
									H
	1584	-63.23	-42.15	-21.08	-75.04	-65.2	0.95	5.06	V
	2379	-57.74	-13	-44.74	-74.98	-59.37	1.25	5.04	V
	3172	-57.67	-13	-44.67	-76.98	-60.58	1.50	6.56	V
									V
									V
									V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.



LTE Band 14 / 10MHz / QPSK									
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1576	-63.28	-42.15	-21.13	-74.6	-65.27	0.95	5.09	H
	2364	-59.55	-13	-46.55	-76.29	-61.14	1.25	4.99	H
	3152	-57.96	-13	-44.96	-76.6	-60.78	1.50	6.47	H
									H
									H
									H
	1576	-62.80	-42.15	-20.65	-74.62	-64.79	0.95	5.09	V
	2364	-59.06	-13	-46.06	-76.21	-60.65	1.25	4.99	V
	3152	-57.61	-13	-44.61	-76.89	-60.43	1.50	6.47	V
									V
									V
									V

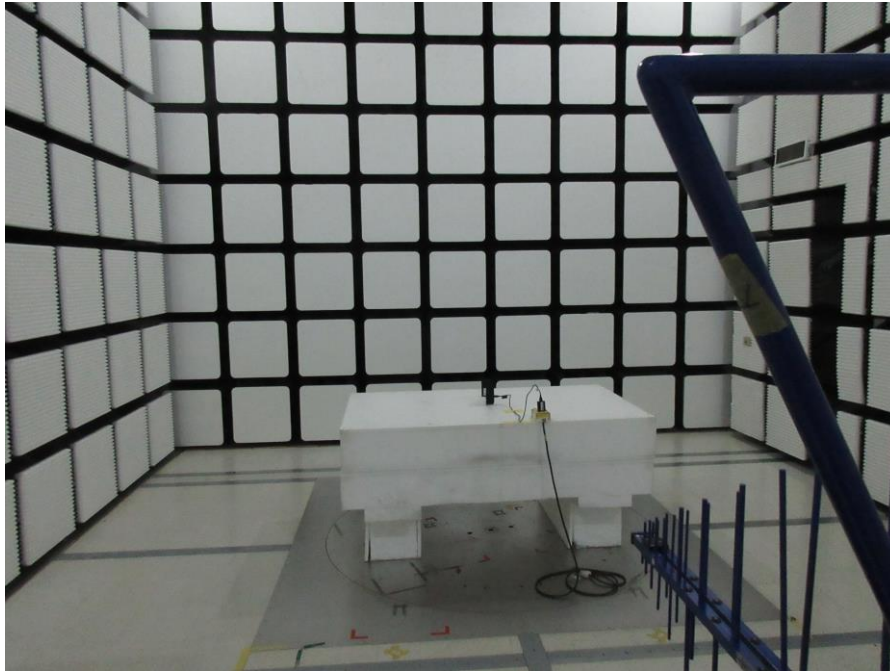
Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.

Appendix C. Setup Photographs

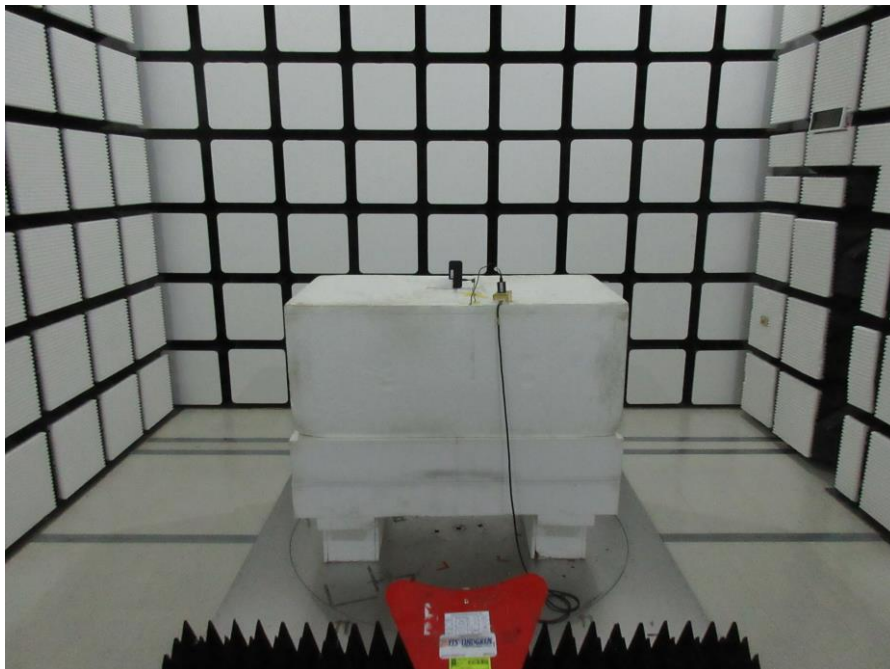
<Radiated Emission>

Z Plane

LF



HF



—————THE END—————