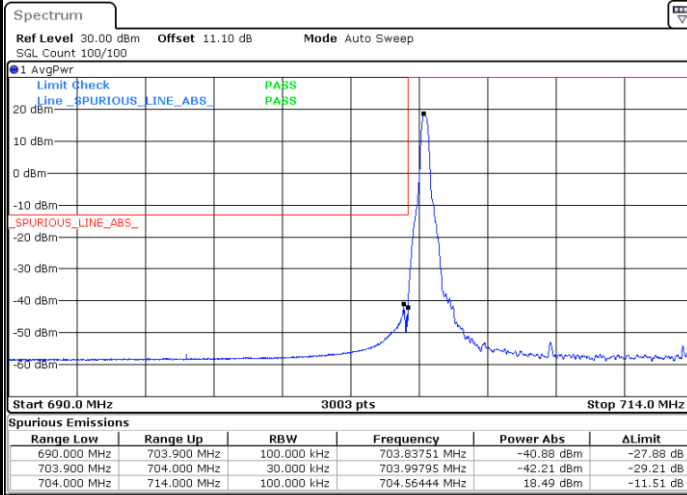




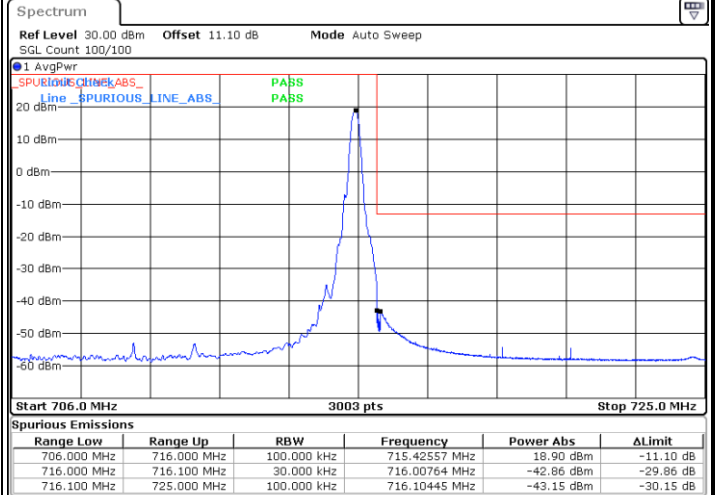
LTE Band 17 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



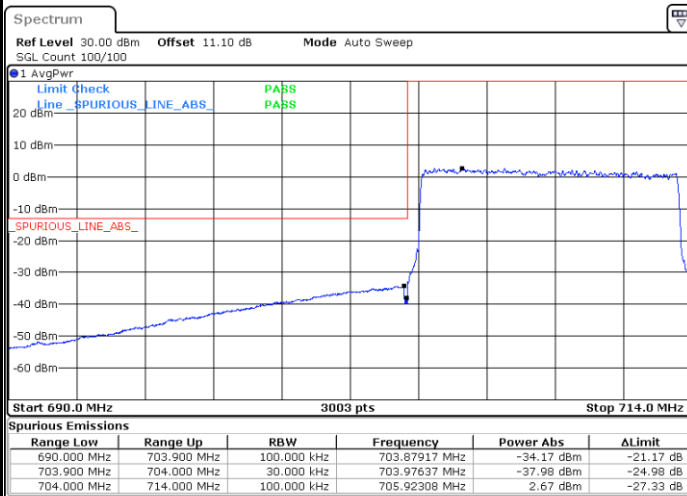
Date: 27.JAN.2022 15:17:22

Highest Band Edge / 1 RB



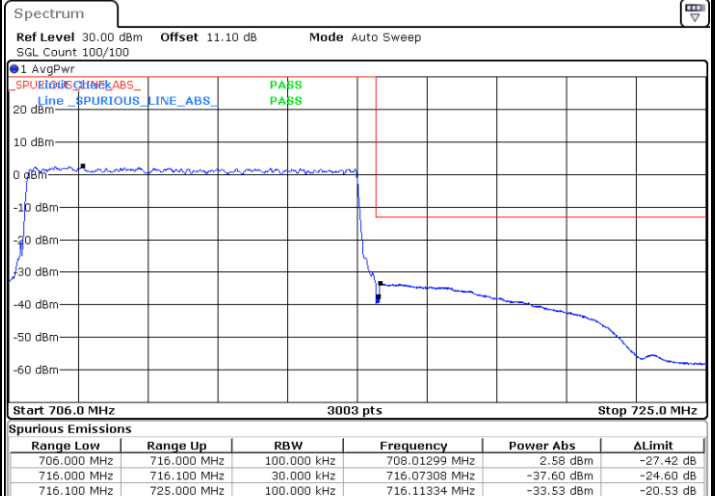
Date: 27.JAN.2022 15:13:12

Lowest Band Edge / Full RB



Date: 27.JAN.2022 15:11:21

Highest Band Edge / Full RB



Date: 27.JAN.2022 15:14:23

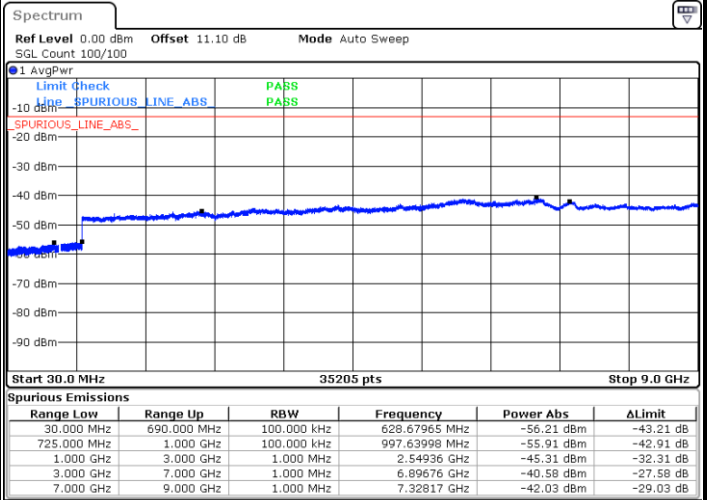
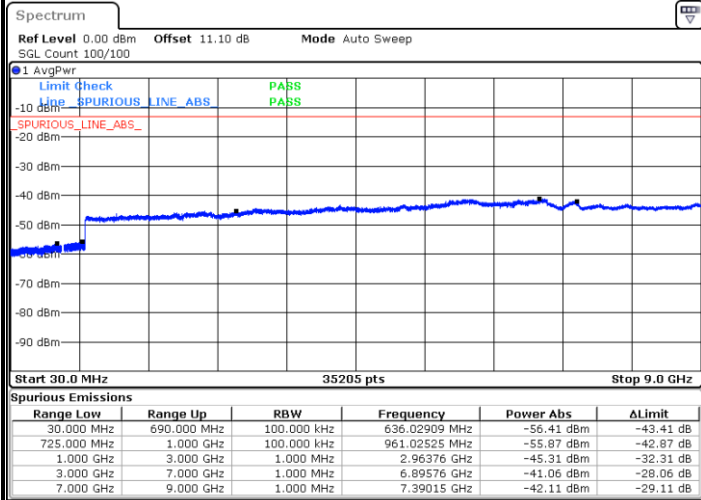


# Conducted Spurious Emission

## LTE Band 17 / 5MHz

### Lowest Channel / QPSK

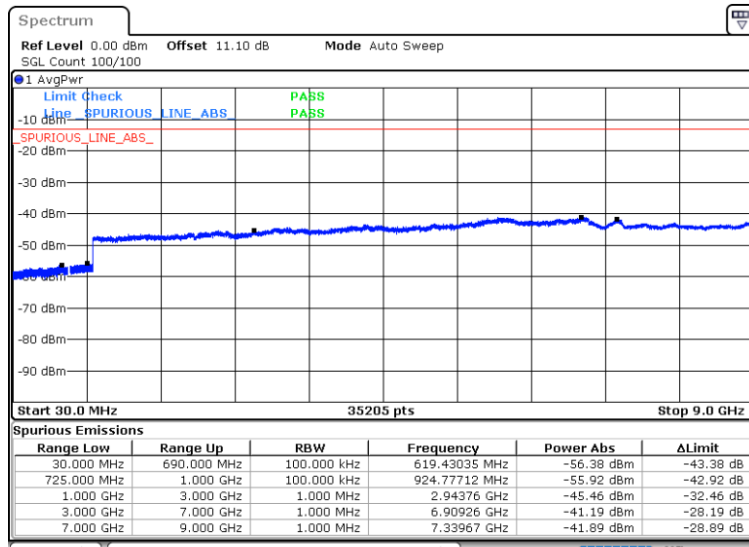
### Middle Channel / QPSK



Date: 27.JAN.2022 14:40:59

Date: 27.JAN.2022 14:43:30

### Highest Channel / QPSK



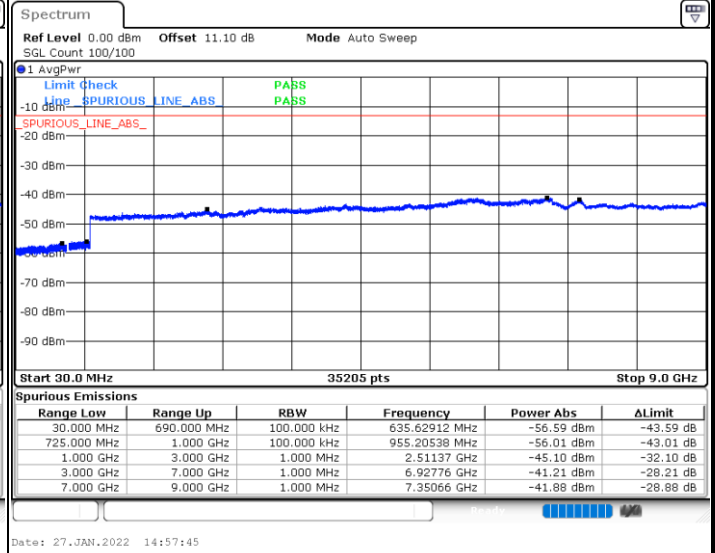
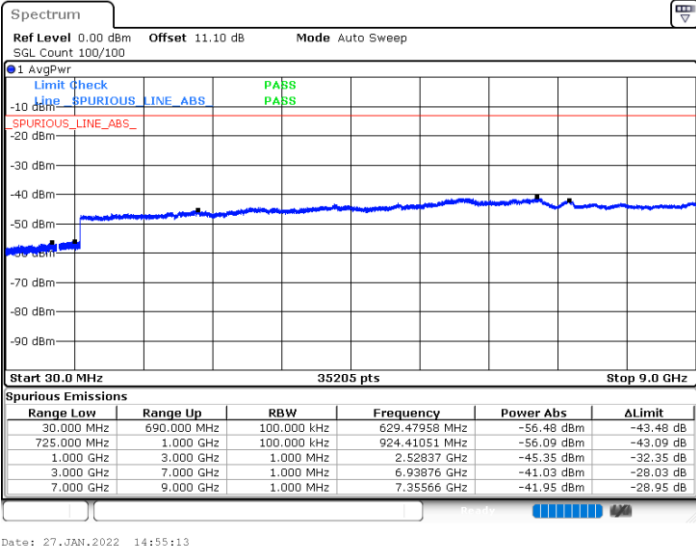
Date: 27.JAN.2022 14:49:21



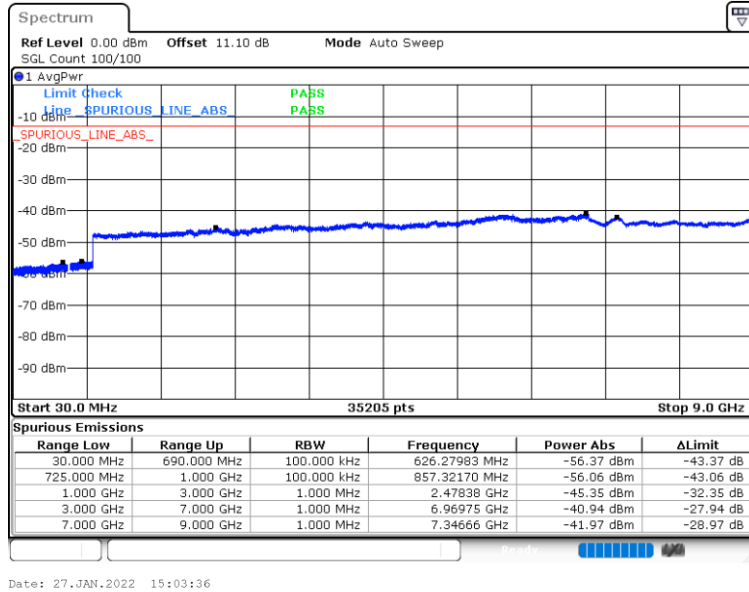
LTE Band 17 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





### Frequency Stability

Test Conditions		LTE Band 17 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0223	
30	Normal Voltage	0.0076	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0077	
0	Normal Voltage	0.0090	
-10	Normal Voltage	0.0185	
-20	Normal Voltage	0.0138	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0206	

**Note:**

- 1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.2 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



## Appendix B. Test Results of Radiated Test

<Ant. 0>

### Part 22H LTE Band 5

LTE Band 5 / 10MHz / QPSK									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1649	-59.35	-13	-46.35	-75.28	-60.22	6.35	9.37	H
	2474	-58.04	-13	-45.04	-75.36	-58.22	8.04	10.37	H
	3298	-56.23	-13	-43.23	-76.15	-56.96	9.16	12.04	H
									H
	1649	-59.11	-13	-46.11	-75.03	-59.98	6.35	9.37	V
	2474	-58.25	-13	-45.25	-75.41	-58.43	8.04	10.37	V
	3298	-55.61	-13	-42.61	-75.63	-56.34	9.16	12.04	V
									V
Middle	1664	-55.74	-13	-42.74	-71.86	-56.64	6.37	9.42	H
	2496	-57.86	-13	-44.86	-75.07	-58.03	8.16	10.48	H
	3328	-56.01	-13	-43.01	-75.96	-56.83	9.23	12.20	H
									H
	1664	-58.67	-13	-45.67	-74.76	-59.57	6.37	9.42	V
	2496	-58.28	-13	-45.28	-75.33	-58.45	8.16	10.48	V
	3328	-55.78	-13	-42.78	-75.81	-56.60	9.23	12.20	V
									V
Highest	1679	-58.75	-13	-45.75	-75.05	-59.68	6.40	9.48	H
	2519	-57.86	-13	-44.86	-75.27	-58.17	8.14	10.60	H
	3358	-56.04	-13	-43.04	-76.04	-56.96	9.30	12.37	H
									H
	1679	-58.84	-13	-45.84	-75.11	-59.77	6.40	9.48	V
	2519	-57.65	-13	-44.65	-74.93	-57.96	8.14	10.60	V
	3358	-55.89	-13	-42.89	-75.94	-56.81	9.30	12.37	V
									V

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



Part 27H LTE Band 12

LTE Band 12 / 10MHz / QPSK									
Channel	Frequency ( MHz )	ERP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1399	-59.40	-13	-46.40	-74.12	-58.64	5.81	7.20	H
	2099	-45.88	-13	-32.88	-63.09	-46.09	7.15	9.51	H
	3498	-52.74	-13	-39.74	-73.44	-53.49	9.50	12.40	H
									H
	1399	-59.03	-13	-46.03	-74.15	-58.27	5.81	7.20	V
	2099	-45.78	-13	-32.78	-63.03	-45.99	7.15	9.51	V
	3498	-52.53	-13	-39.53	-73.19	-53.28	9.50	12.40	V
									V
Middle	1406	-59.34	-13	-46.34	-74.08	-58.60	5.84	7.25	H
	2109	-37.40	-13	-24.40	-54.80	-37.54	7.17	9.46	H
	3515	-47.99	-13	-34.99	-68.76	-48.65	9.53	12.34	H
									H
	1406	-59.19	-13	-46.19	-74.28	-58.45	5.84	7.25	V
	2109	-39.33	-13	-26.33	-56.79	-39.47	7.17	9.46	V
	3515	-49.99	-13	-36.99	-70.69	-50.65	9.53	12.34	V
									V
Highest	1413	-58.91	-13	-45.91	-73.66	-58.21	5.87	7.32	H
	2120	-38.54	-13	-25.54	-56.02	-38.60	7.19	9.40	H
	3533	-47.49	-13	-34.49	-68.33	-48.04	9.57	12.27	H
									H
	1413	-58.61	-13	-45.61	-73.68	-57.91	5.87	7.32	V
	2120	-37.81	-13	-24.81	-55.37	-37.87	7.19	9.40	V
	3533	-49.82	-13	-36.82	-70.54	-50.37	9.57	12.27	V
									V

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



<Ant. 1>

**Part 24E LTE Band 2**

LTE Band 2 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3702	-53.83	-13	-40.83	-75.6	-56.00	9.93	12.10	H
	5553	-52.67	-13	-39.67	-76.91	-52.15	13.67	13.15	H
	7404	-45.62	-13	-32.62	-76.36	-43.06	13.95	11.39	H
									H
	3702	-54.28	-13	-41.28	-75.92	-56.45	9.93	12.10	V
	5553	-51.89	-13	-38.89	-76.68	-51.37	13.67	13.15	V
	7404	-45.44	-13	-32.44	-76.35	-42.88	13.95	11.39	V
									V
Middle	3742	-52.83	-13	-39.83	-74.71	-54.95	10.02	12.14	H
	5613	-52.04	-13	-39.04	-76.17	-51.32	13.93	13.21	H
	7484	-46.25	-13	-33.25	-76.53	-42.88	14.60	11.23	H
									H
	3742	-53.12	-13	-40.12	-74.92	-55.24	10.02	12.14	V
	5613	-51.70	-13	-38.70	-76.33	-50.98	13.93	13.21	V
	7484	-45.85	-13	-32.85	-76.21	-42.48	14.60	11.23	V
									V
Highest	3782	-53.37	-13	-40.37	-75.34	-55.44	10.11	12.18	H
	5673	-51.96	-13	-38.96	-76.21	-51.39	13.84	13.27	H
	7564	-46.39	-13	-33.39	-76.24	-42.79	15.06	11.46	H
									H
	3782	-53.46	-13	-40.46	-75.41	-55.53	10.11	12.18	V
	5673	-51.17	-13	-38.17	-75.94	-50.60	13.84	13.27	V
	7564	-46.28	-13	-33.28	-76.2	-42.68	15.06	11.46	V
									V

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



Part 27M LTE Band 7

LTE Band 7 / 20MHz / QPSK									
Channel	Frequency ( MHz )	EIRP ( dBm )	Limit ( dBm )	Over Limit ( dB )	SPA Reading (dBm)	S.G. Power ( dBm )	TX Cable loss ( dB )	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	5002	-52.60	-25	-27.60	-76.94	-53.28	11.92	12.60	H
	7503	-46.46	-25	-21.46	-76.64	-42.92	14.75	11.21	H
	10004	-44.20	-25	-19.20	-77.21	-38.13	17.17	11.10	H
									H
	5002	-51.63	-25	-26.63	-76.28	-52.31	11.92	12.60	V
	7503	-46.48	-25	-21.48	-76.75	-42.94	14.75	11.21	V
	10004	-43.66	-25	-18.66	-77.34	-37.59	17.17	11.10	V
									V
Middle	5052	-51.64	-25	-26.64	-76.07	-52.28	11.99	12.63	H
	7578	-46.57	-25	-21.57	-76.34	-42.95	15.13	11.51	H
	10104	-42.80	-25	-17.80	-76.49	-36.67	17.17	11.04	H
									H
	5052	-50.95	-25	-25.95	-75.68	-51.59	11.99	12.63	V
	7578	-46.42	-25	-21.42	-76.26	-42.80	15.13	11.51	V
	10104	-43.52	-25	-18.52	-76.67	-37.39	17.17	11.04	V
									V
Highest	5102	-52.37	-25	-27.37	-76.9	-52.96	12.06	12.65	H
	7653	-46.33	-25	-21.33	-75.95	-43.00	14.96	11.63	H
	10204	-42.38	-25	-17.38	-76.07	-36.19	17.17	10.98	H
									H
	5102	-52.08	-25	-27.08	-76.88	-52.67	12.06	12.65	V
	7653	-46.50	-25	-21.50	-76.19	-43.17	14.96	11.63	V
	10204	-42.82	-25	-17.82	-76.09	-36.63	17.17	10.98	V
									V

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