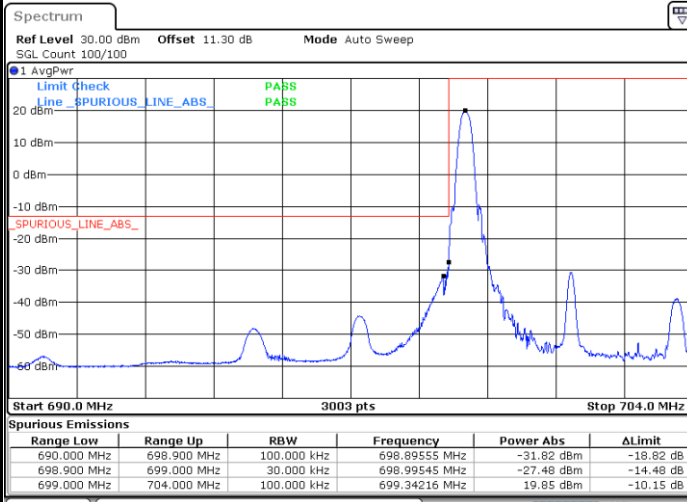


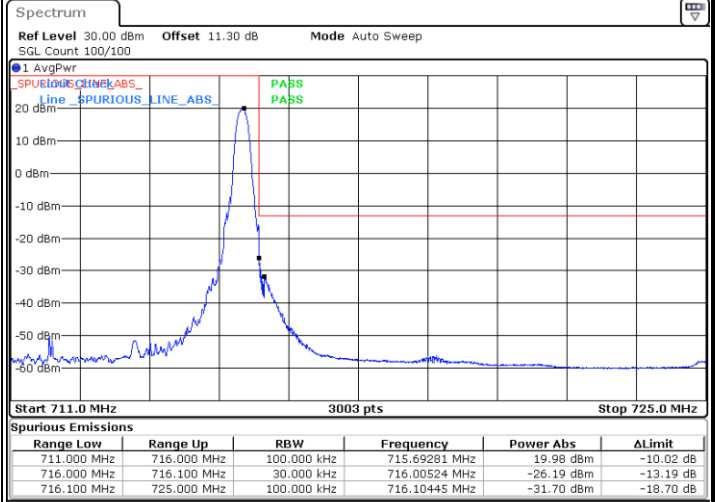


LTE Band 12 / 5MHz / 64QAM

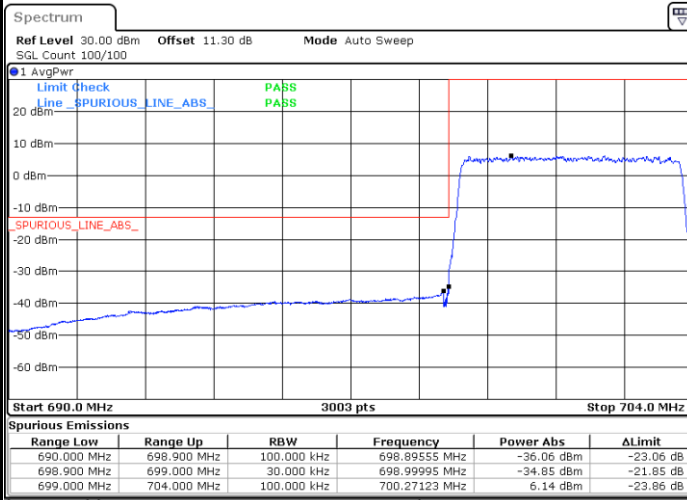
Lowest Band Edge / 1RB



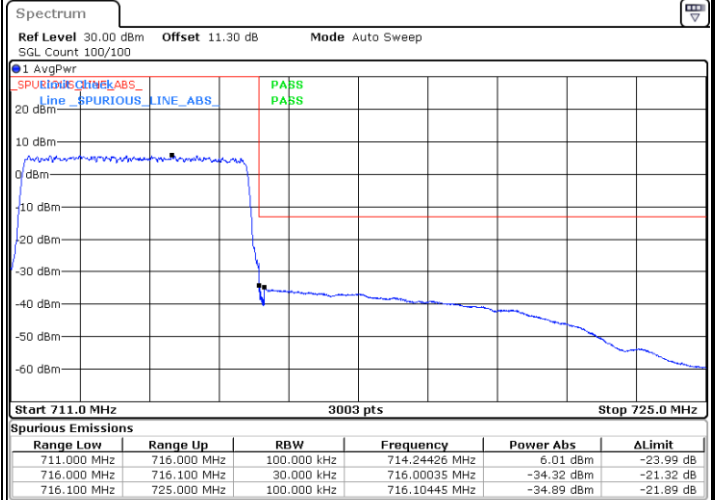
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



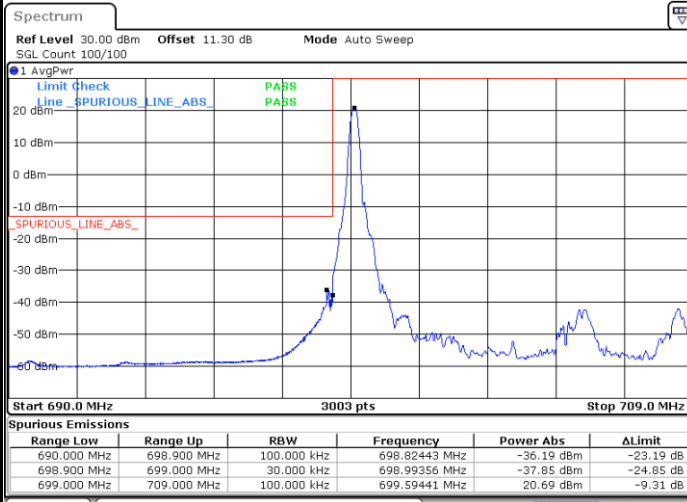
Highest Band Edge / Full RB





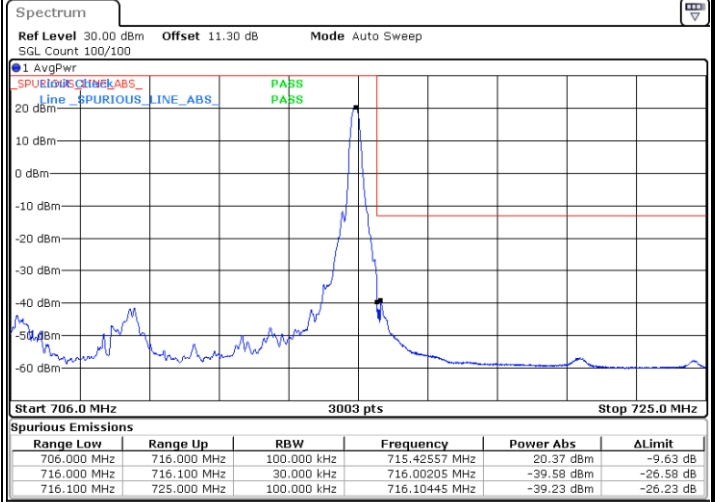
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



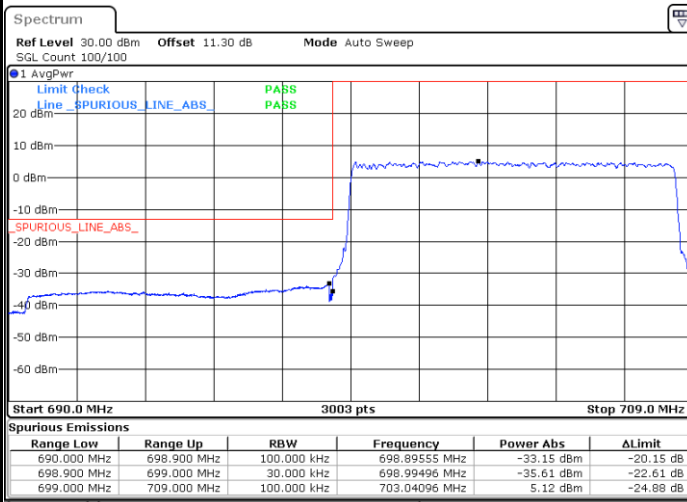
Date: 6.MAY.2021 16:57:44

Highest Band Edge / 1 RB



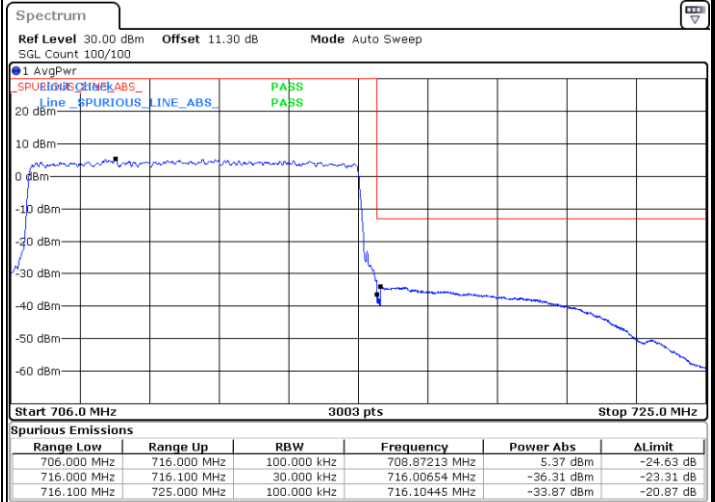
Date: 6.MAY.2021 17:03:50

Lowest Band Edge / Full RB



Date: 6.MAY.2021 16:55:31

Highest Band Edge / Full RB

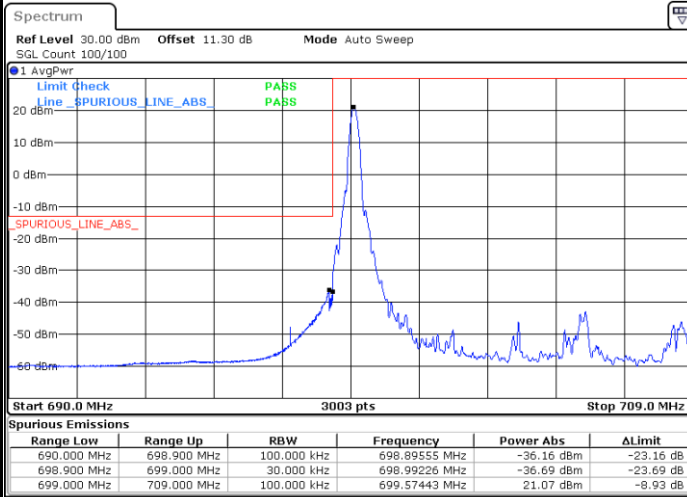


Date: 6.MAY.2021 17:01:36



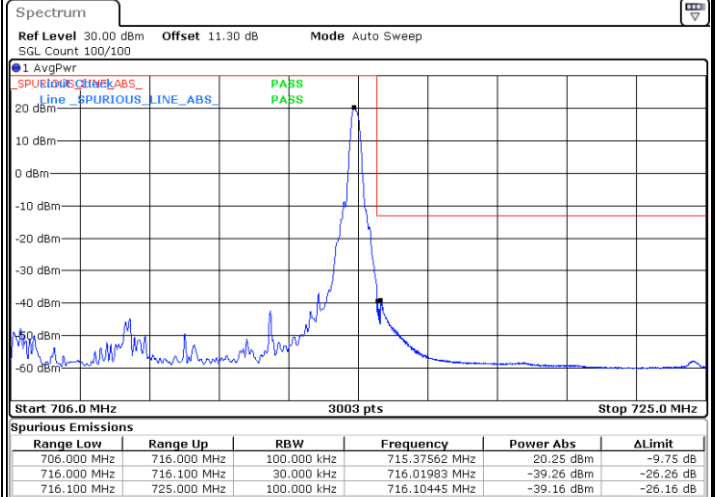
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



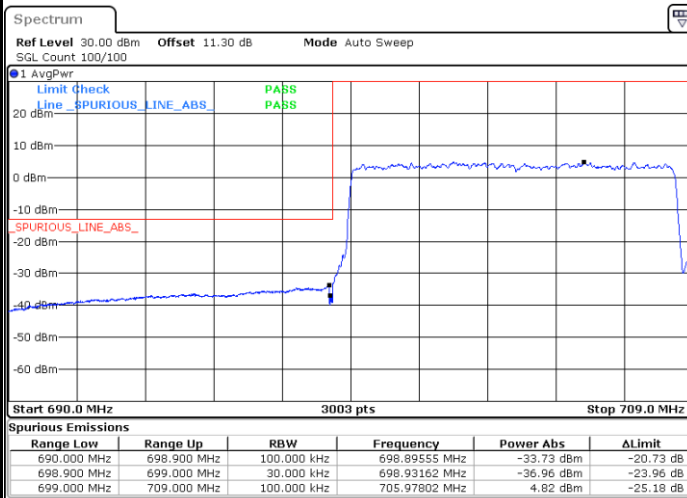
Date: 6.MAY.2021 16:56:59

Highest Band Edge / 1 RB



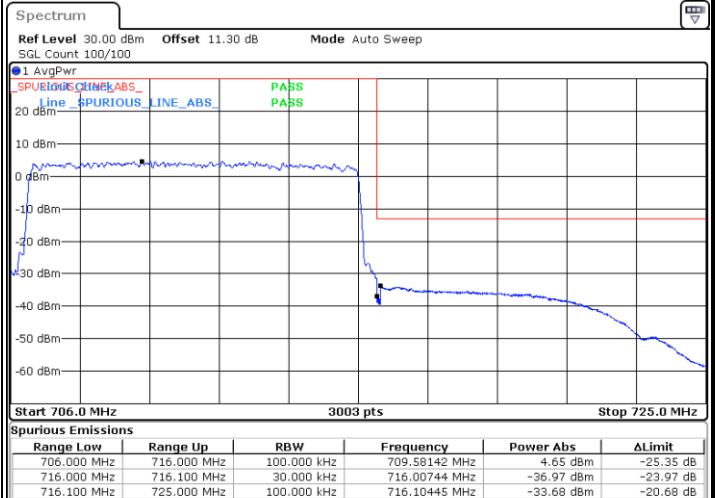
Date: 6.MAY.2021 17:03:05

Lowest Band Edge / Full RB



Date: 6.MAY.2021 16:56:16

Highest Band Edge / Full RB

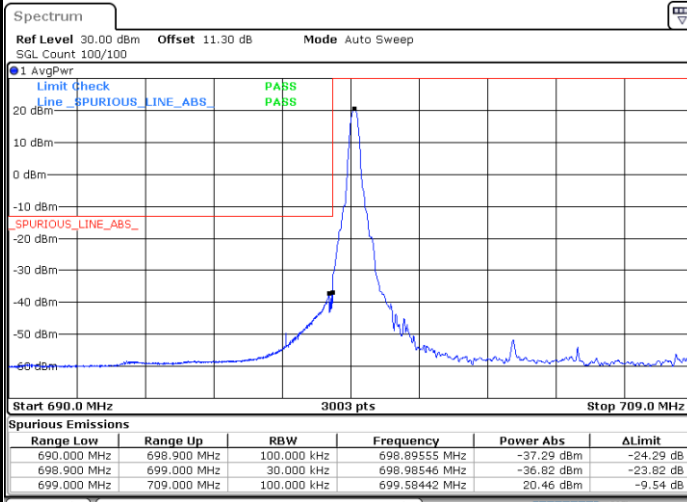


Date: 6.MAY.2021 17:02:20



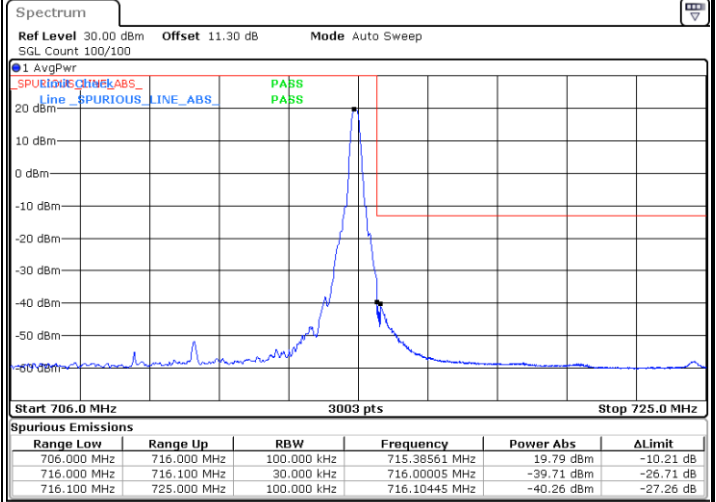
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



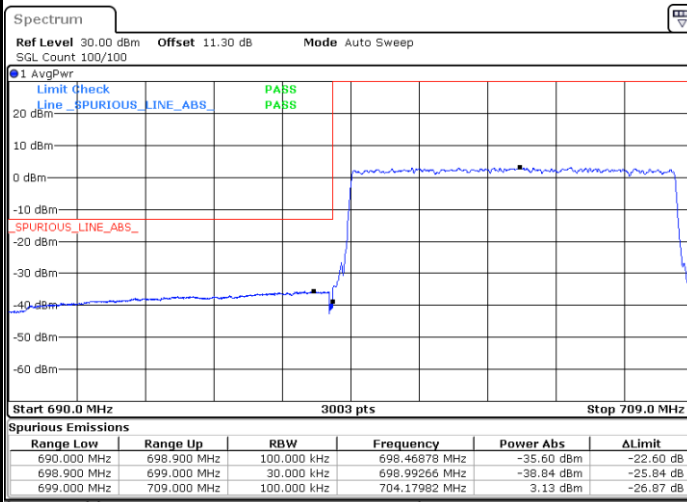
Date: 6.MAY.2021 17:06:09

Highest Band Edge / 1 RB



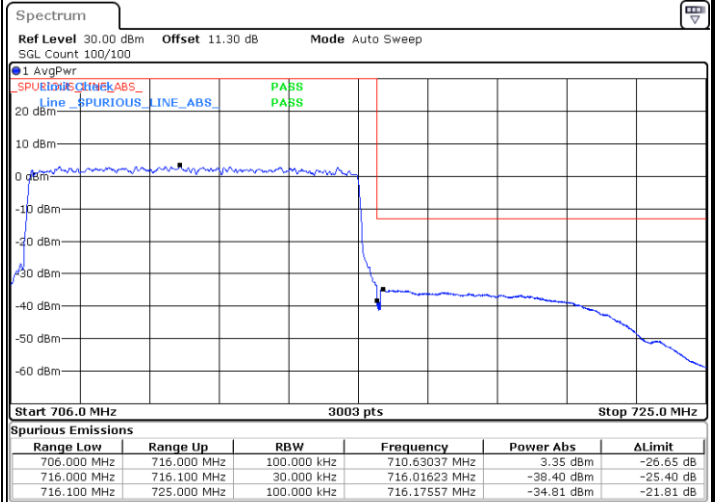
Date: 6.MAY.2021 17:08:20

Lowest Band Edge / Full RB



Date: 6.MAY.2021 17:05:24

Highest Band Edge / Full RB



Date: 6.MAY.2021 17:07:36

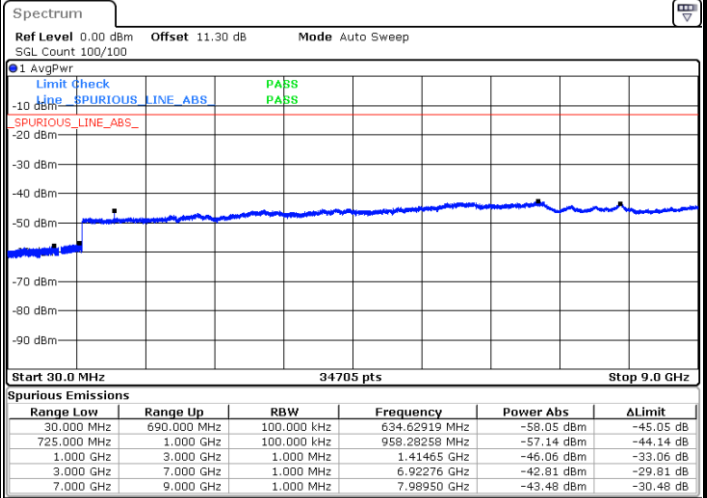
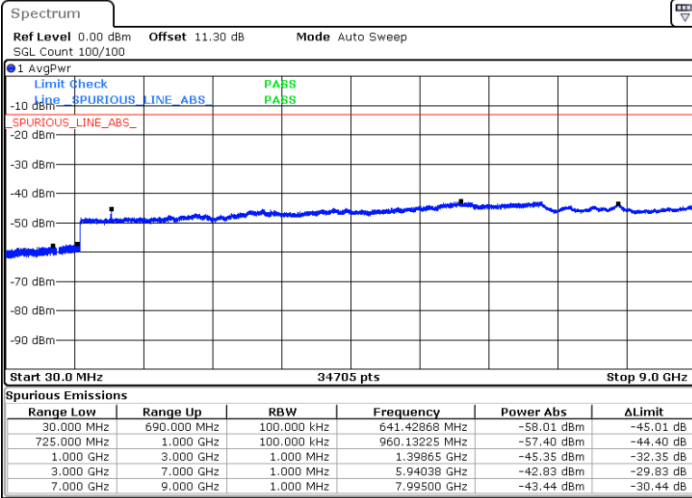


Conducted Spurious Emission

LTE Band 12 / 1.4MHz

Lowest Channel / QPSK

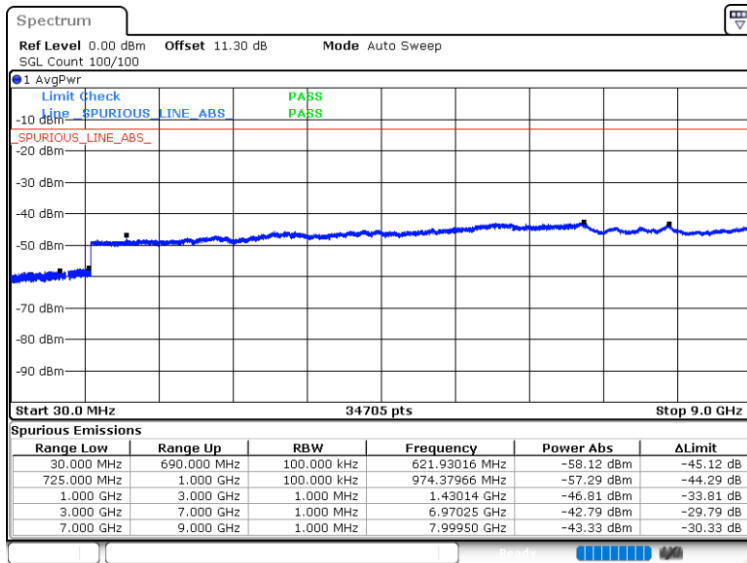
Middle Channel / QPSK



Date: 6.MAY.2021 16:16:51

Date: 6.MAY.2021 16:19:08

Highest Channel / QPSK



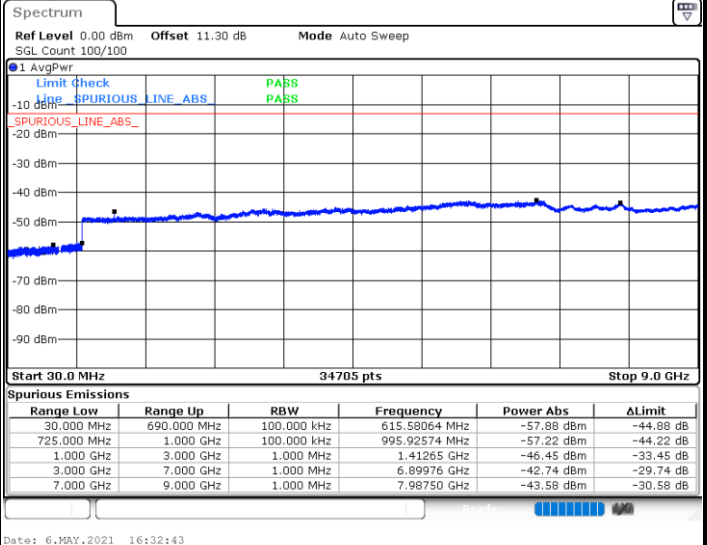
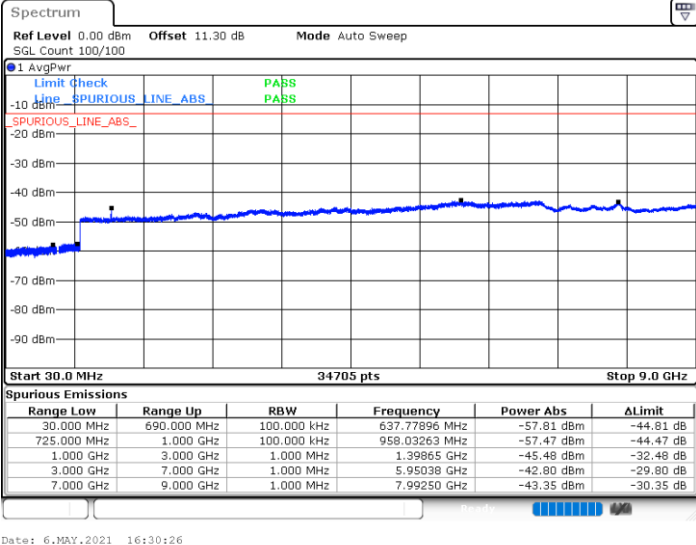
Date: 6.MAY.2021 16:22:56



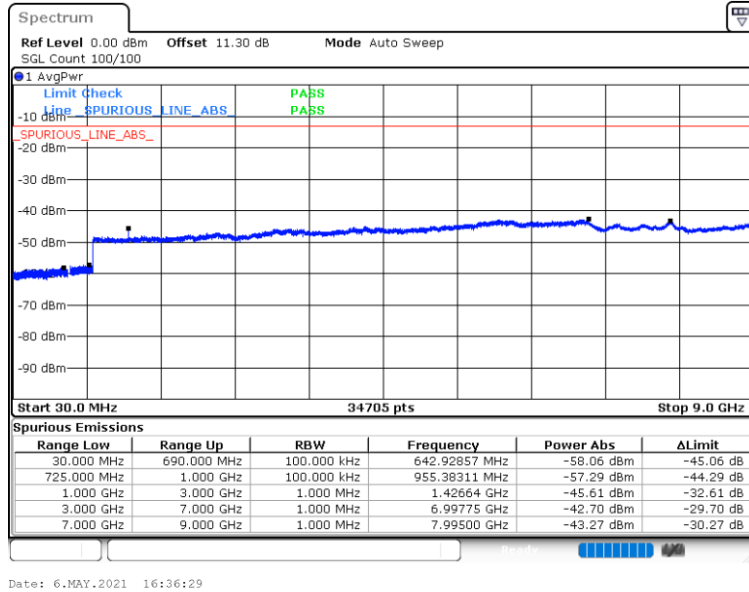
LTE Band 12 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK



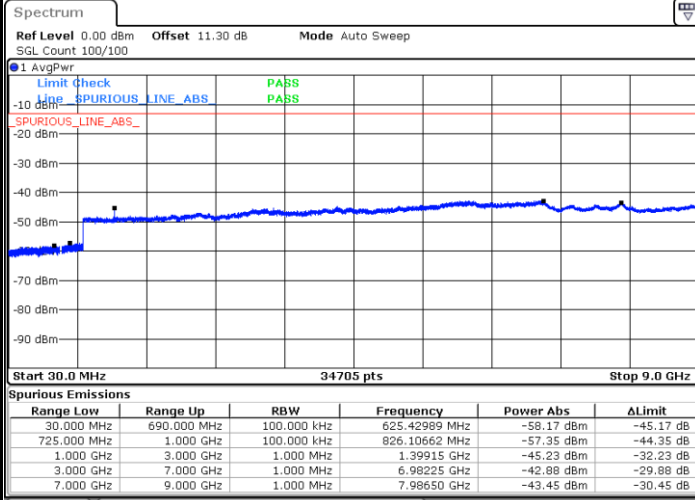
Highest Channel / QPSK





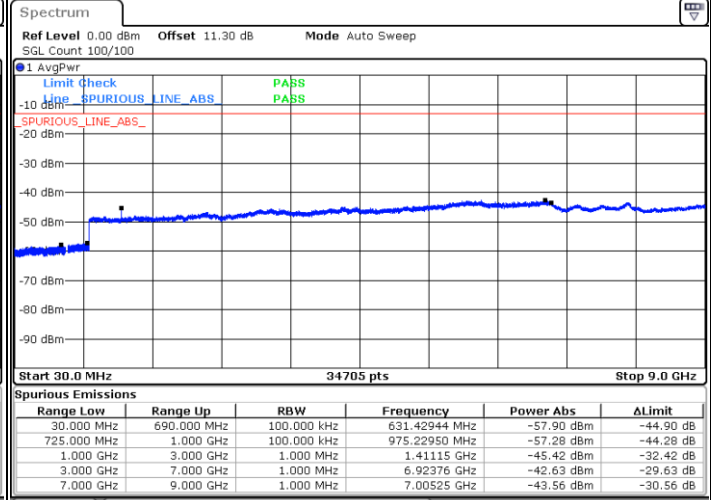
LTE Band 12 / 5MHz

Lowest Channel / QPSK



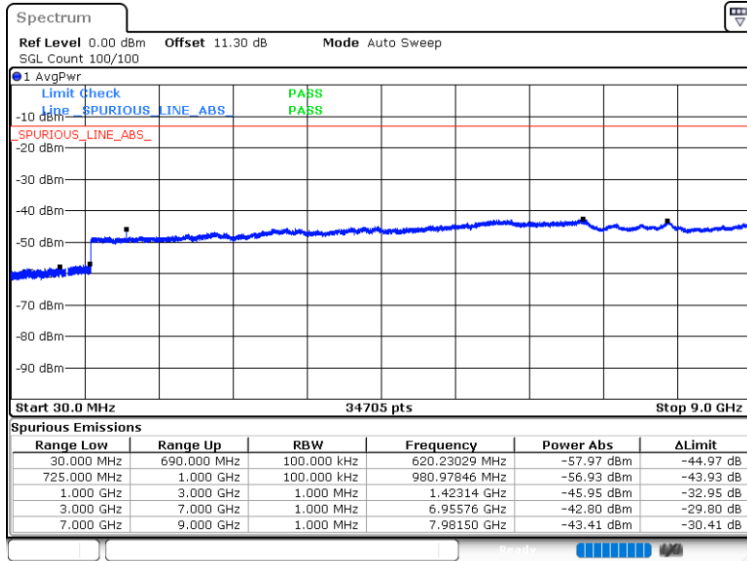
Date: 6.MAY.2021 16:48:41

Middle Channel / QPSK



Date: 6.MAY.2021 16:50:58

Highest Channel / QPSK



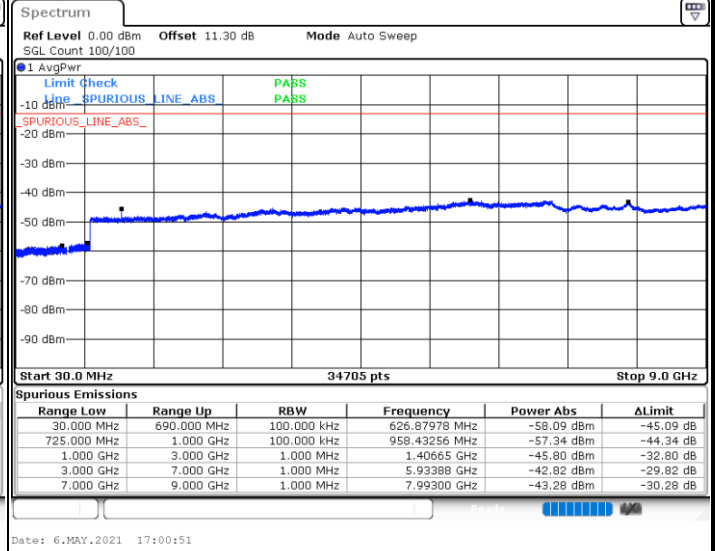
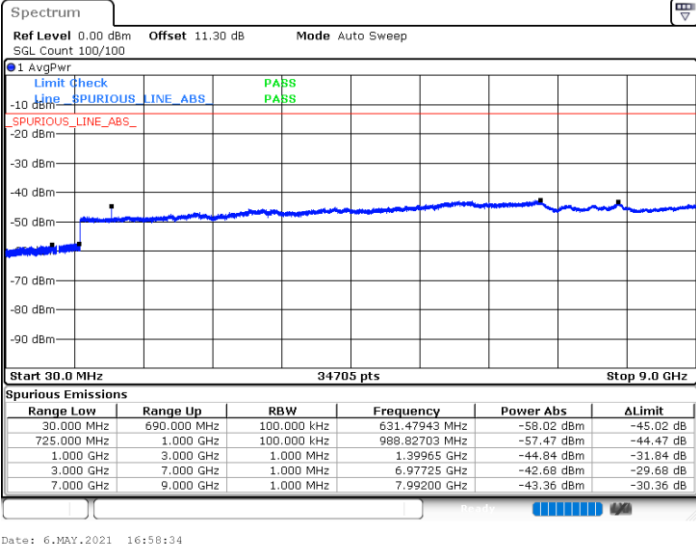
Date: 6.MAY.2021 16:54:46



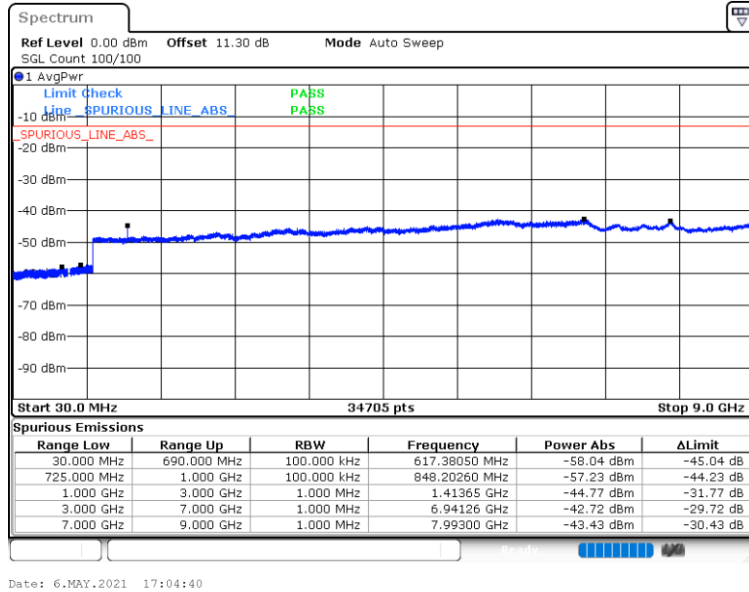
LTE Band 12 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0204	PASS
40	Normal Voltage	0.0175	
30	Normal Voltage	0.0222	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0030	
-10	Normal Voltage	0.0198	
-20	Normal Voltage	0.0144	
-30	Normal Voltage	0.0035	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0041	

Note:

- 1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.67 V. ; Maximum Voltage =4.26 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

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	3700	-58.07	-13	-45.07	-78.95	-67.70	2.77	12.40	H
	5553	-55.52	-13	-42.52	-80.55	-65.45	3.46	13.39	H
	7404	-50.86	-13	-37.86	-80.37	-58.06	3.98	11.18	H
									H
									H
									H
	3700	-57.86	-13	-44.86	-79.15	-67.49	2.77	12.40	V
	5553	-55.44	-13	-42.44	-80.54	-65.37	3.46	13.39	V
	7404	-50.10	-13	-37.10	-80.09	-57.30	3.98	11.18	V
									V
									V
									V
Middle	3742	-58.06	-13	-45.06	-79.09	-67.77	2.78	12.48	H
	5613	-55.45	-13	-42.45	-80.32	-65.32	3.48	13.35	H
	7484	-51.09	-13	-38.09	-80.61	-58.26	4.00	11.17	H
									H
									H
									H
	3742	-57.54	-13	-44.54	-78.97	-67.25	2.78	12.48	V
	5613	-55.51	-13	-42.51	-80.6	-65.38	3.48	13.35	V
	7484	-50.48	-13	-37.48	-80.37	-57.65	4.00	11.17	V
									V
									V
									V



Highest	3784	-58.19	-13	-45.19	-79.37	-67.83	2.79	12.43	H
	5673	-55.65	-13	-42.65	-80.85	-65.61	3.49	13.45	H
	7564	-51.14	-13	-38.14	-80.35	-58.37	4.02	11.26	H
									H
									H
									H
	3784	-57.59	-13	-44.59	-79.15	-67.23	2.79	12.43	V
	5673	-54.95	-13	-41.95	-80.38	-64.91	3.49	13.45	V
	7564	-50.79	-13	-37.79	-80.48	-58.02	4.02	11.26	V
									V
									V
									V

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



LTE Band 4

LTE Band 4 / 10MHz / 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	3420	-60.41	-13	-47.41	-79.83	-71.30	1.23	12.12	H
	5131	-56.71	-13	-43.71	-81.04	-67.60	1.97	12.86	H
	6842	-52.19	-13	-39.19	-80.24	-61.14	2.34	11.29	H
									H
									H
									H
	3420	-60.01	-13	-47.01	-79.8	-70.90	1.23	12.12	V
	5131	-56.29	-13	-43.29	-81.18	-67.18	1.97	12.86	V
	6842	-51.81	-13	-38.81	-80.23	-60.76	2.34	11.29	V
									V
									V
									V
Middle	3455	-60.08	-13	-47.08	-79.83	-69.96	2.70	12.58	H
	5184	-56.66	-13	-43.66	-81.19	-66.03	3.34	12.70	H
	6912	-51.18	-13	-38.18	-79.45	-59.30	3.88	12.00	H
									H
									H
									H
	3455	-59.65	-13	-46.65	-79.77	-69.53	2.70	12.58	V
	5184	-55.90	-13	-42.90	-80.93	-65.27	3.34	12.70	V
	6912	-50.94	-13	-37.94	-79.35	-59.06	3.88	12.00	V
									V
									V
									V



Highest	3490	-59.22	-13	-46.22	-79.27	-70.25	1.25	12.28	H
	5236	-56.09	-13	-43.09	-80.69	-67.09	1.98	12.98	H
	6982	-50.56	-13	-37.56	-79.02	-59.94	2.37	11.74	H
									H
									H
									H
	3490	-59.25	-13	-46.25	-79.67	-70.28	1.25	12.28	V
	5236	-55.85	-13	-42.85	-80.88	-66.85	1.98	12.98	V
	6982	-50.59	-13	-37.59	-78.97	-59.97	2.37	11.74	V
									V
									V
									V

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



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	-64.54	-13	-51.54	-75.83	-67.60	1.69	6.89	H
	2098	-63.21	-13	-50.21	-77.81	-68.50	2.08	9.52	H
	2798	-60.71	-13	-47.71	-78.28	-67.36	2.39	11.19	H
									H
									H
									H
	1399	-64.67	-13	-51.67	-76.15	-67.73	1.69	6.89	V
	2098	-62.84	-13	-49.84	-77.91	-68.13	2.08	9.52	V
	2798	-60.53	-13	-47.53	-78.36	-67.18	2.39	11.19	V
									V
									V
									V
Middle	1408	-64.34	-13	-51.34	-75.73	-67.46	1.69	6.96	H
	2109	-62.90	-13	-49.90	-77.63	-68.08	2.08	9.41	H
	2812	-60.79	-13	-47.79	-78.37	-67.44	2.40	11.20	H
									H
									H
									H
	1408	-64.20	-13	-51.20	-75.74	-67.32	1.69	6.96	V
	2109	-62.39	-13	-49.39	-77.61	-67.57	2.08	9.41	V
	2812	-60.84	-13	-47.84	-78.71	-67.49	2.40	11.20	V
									V
									V
									V



Highest	1416	-64.43	-13	-51.43	-75.92	-67.61	1.70	7.03	H
	2119	-63.28	-13	-50.28	-78.12	-68.36	2.08	9.31	H
	2826	-60.71	-13	-47.71	-78.29	-67.36	2.40	11.20	H
									H
									H
									H
	1416	-64.29	-13	-51.29	-75.89	-67.47	1.70	7.03	V
	2119	-62.55	-13	-49.55	-77.90	-67.63	2.08	9.31	V
	2826	-60.42	-13	-47.42	-78.31	-67.07	2.40	11.20	V
									V
									V
									V

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

————THE END————