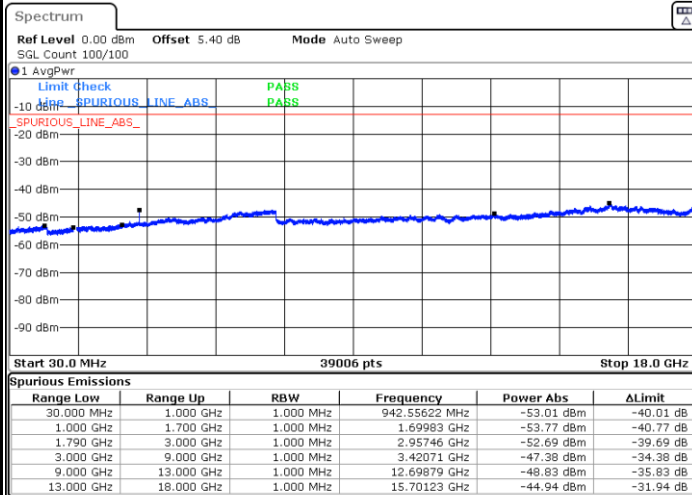




Conducted Spurious Emission

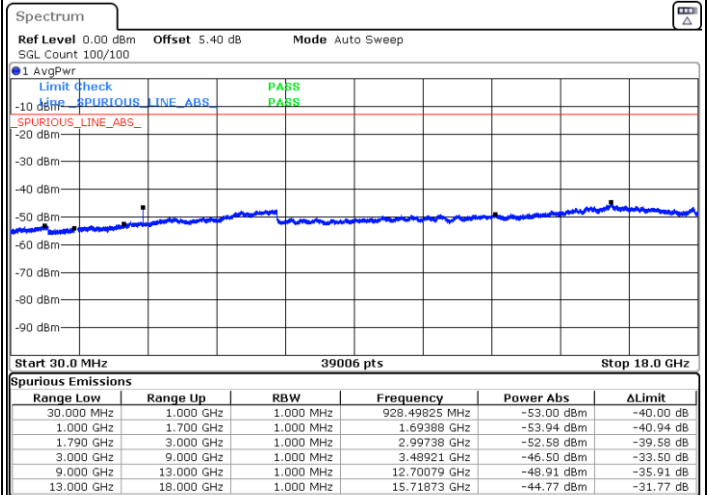
LTE Band 66 / 1.4MHz

Lowest Channel / QPSK



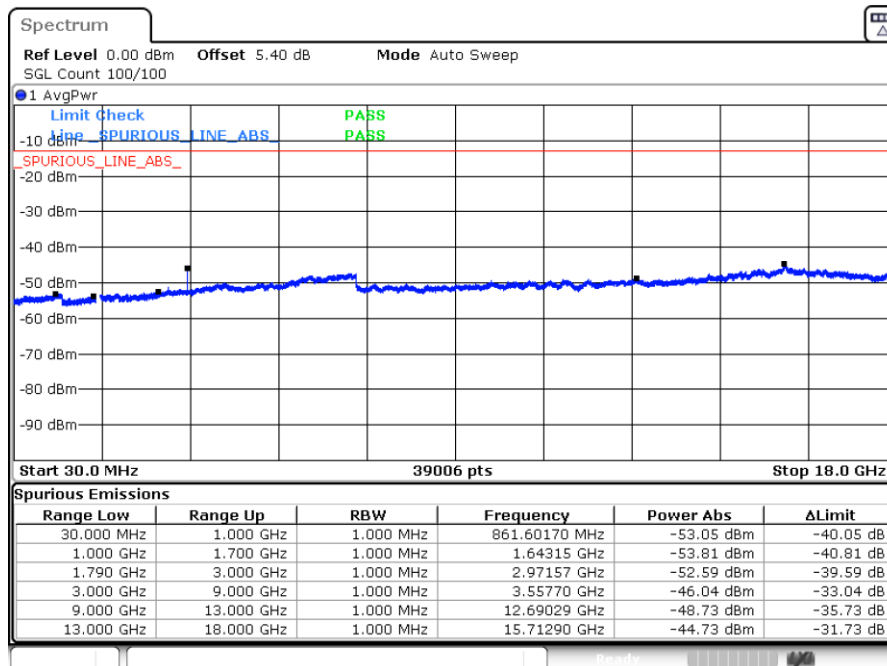
Date: 26.MAY.2024 07:51:36

Middle Channel / QPSK



Date: 26.MAY.2024 07:59:22

Highest Channel / QPSK

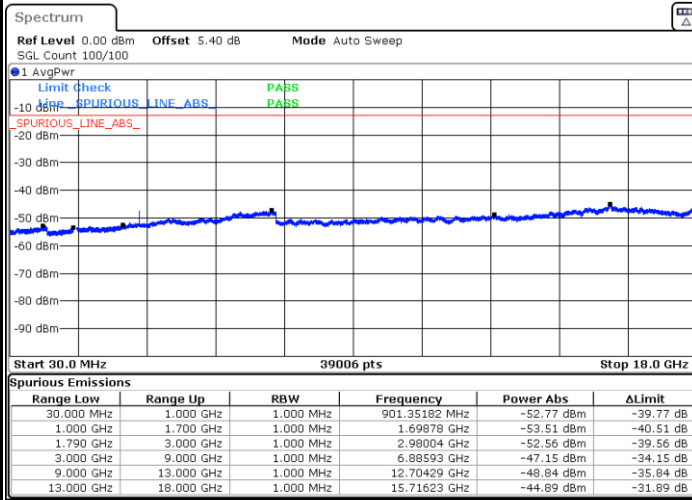


Date: 26.MAY.2024 08:00:24



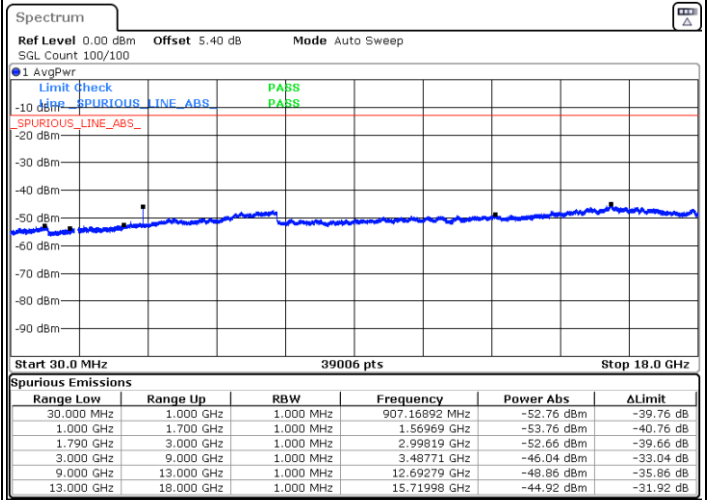
LTE Band 66 / 3MHz

Lowest Channel / QPSK



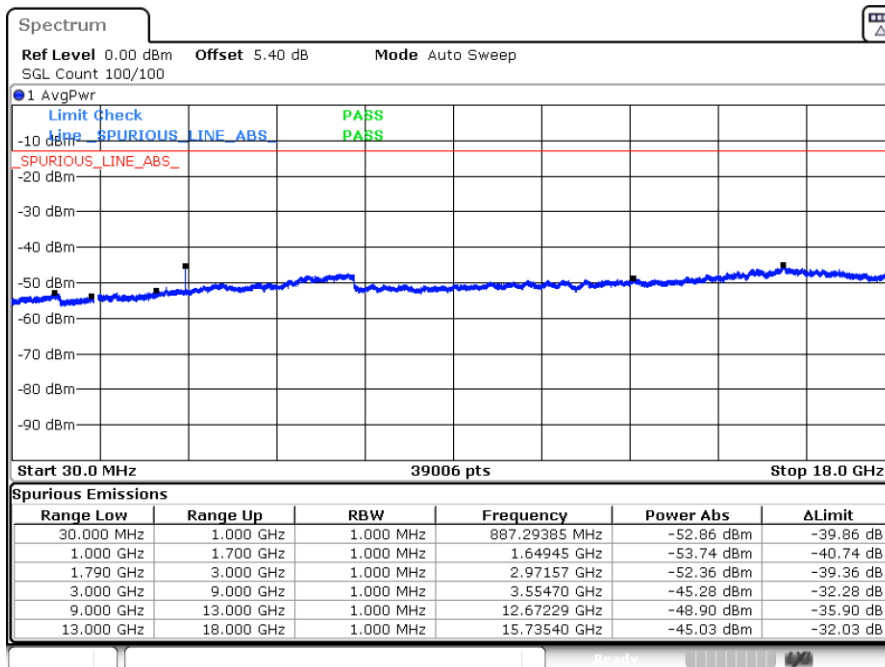
Date: 26.MAY.2024 08:06:27

Middle Channel / QPSK



Date: 26.MAY.2024 08:12:30

Highest Channel / QPSK

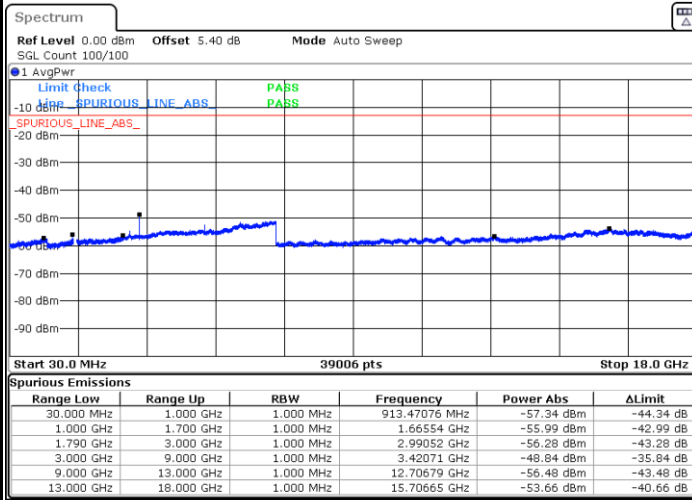


Date: 26.MAY.2024 08:13:31



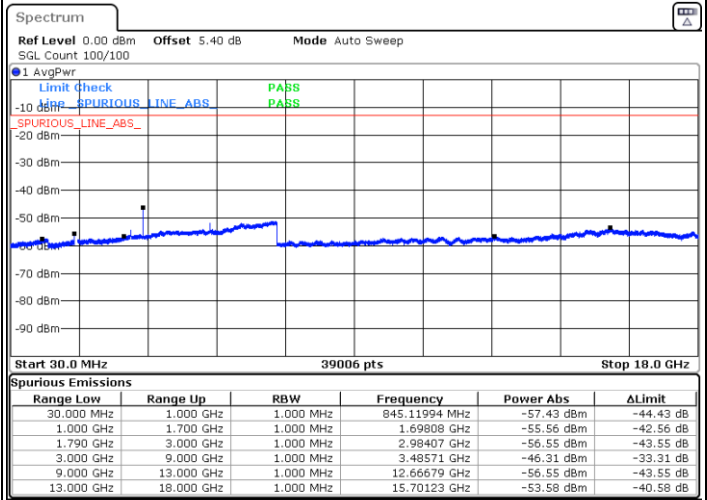
LTE Band 66 / 5MHz

Lowest Channel / QPSK



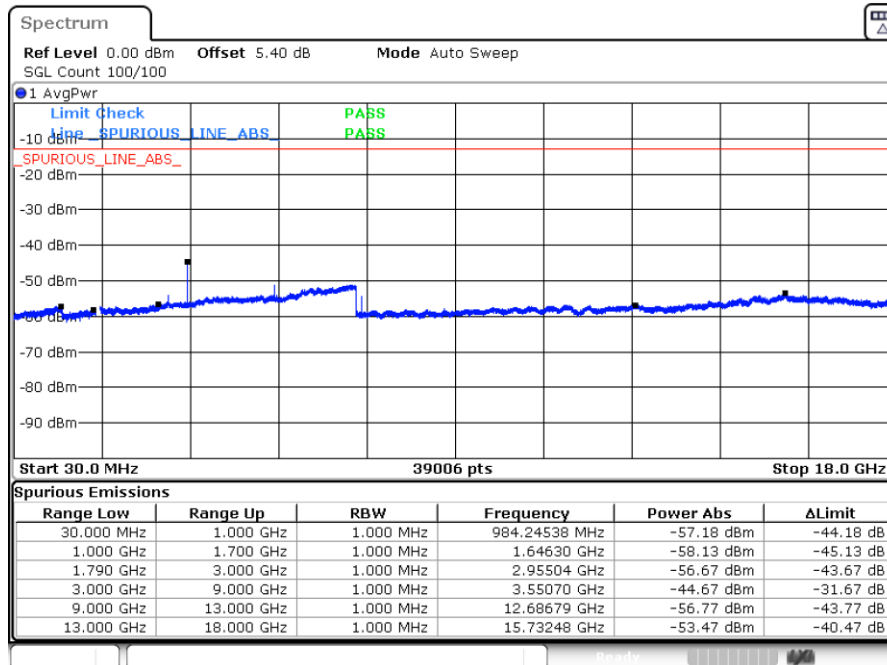
Date: 26.MAY.2024 08:30:18

Middle Channel / QPSK



Date: 26.MAY.2024 08:36:21

Highest Channel / QPSK

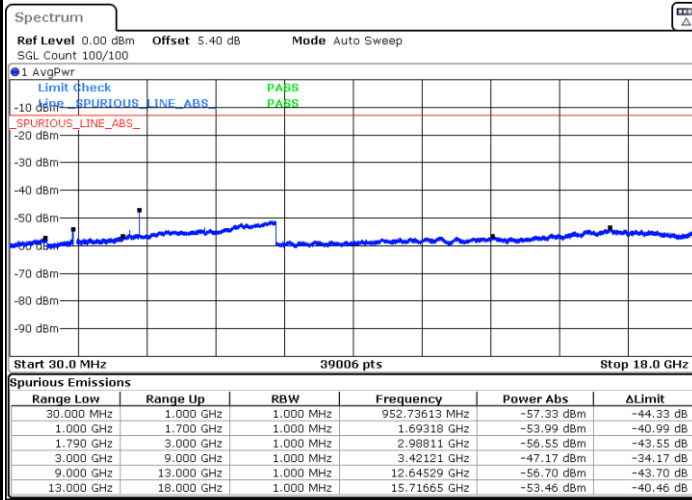


Date: 26.MAY.2024 08:37:23



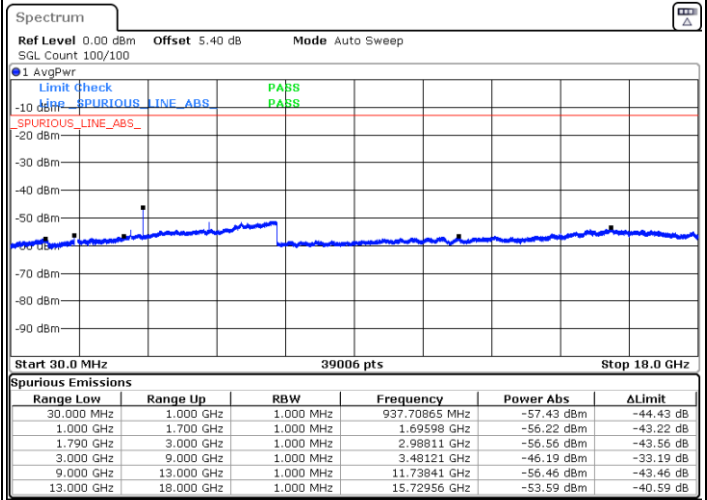
LTE Band 66 / 10MHz

Lowest Channel / QPSK



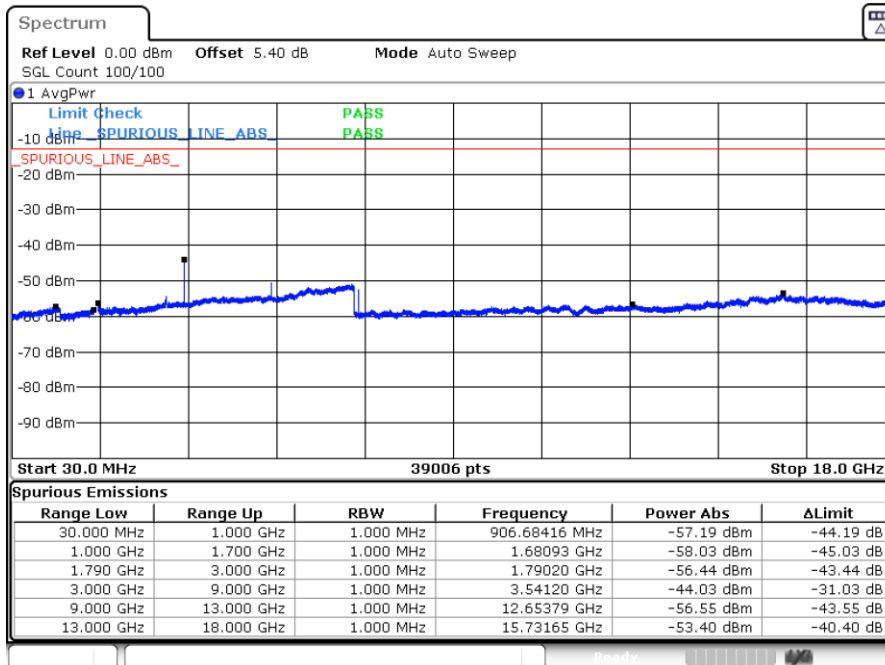
Date: 26.MAY.2024 08:43:26

Middle Channel / QPSK



Date: 26.MAY.2024 08:49:29

Highest Channel / QPSK

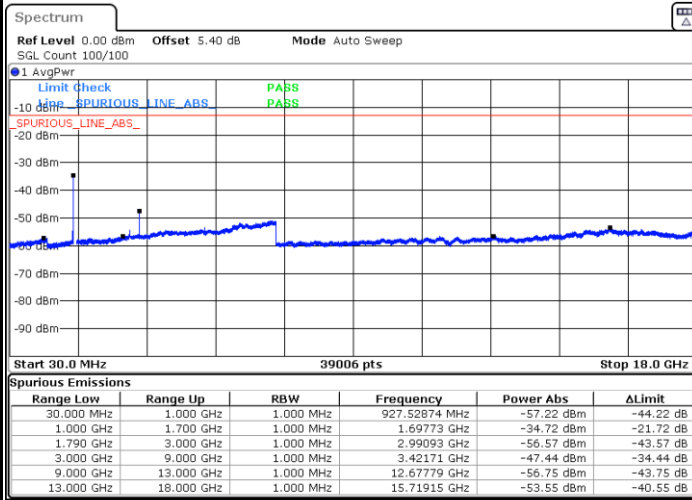


Date: 26.MAY.2024 08:50:31



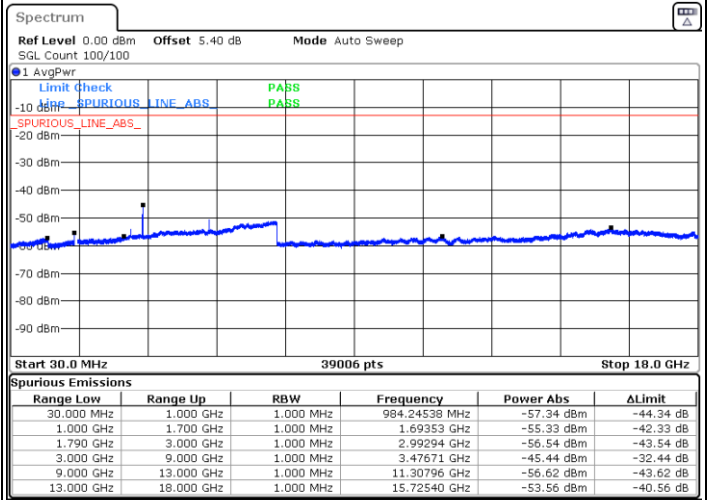
LTE Band 66 / 15MHz

Lowest Channel / QPSK



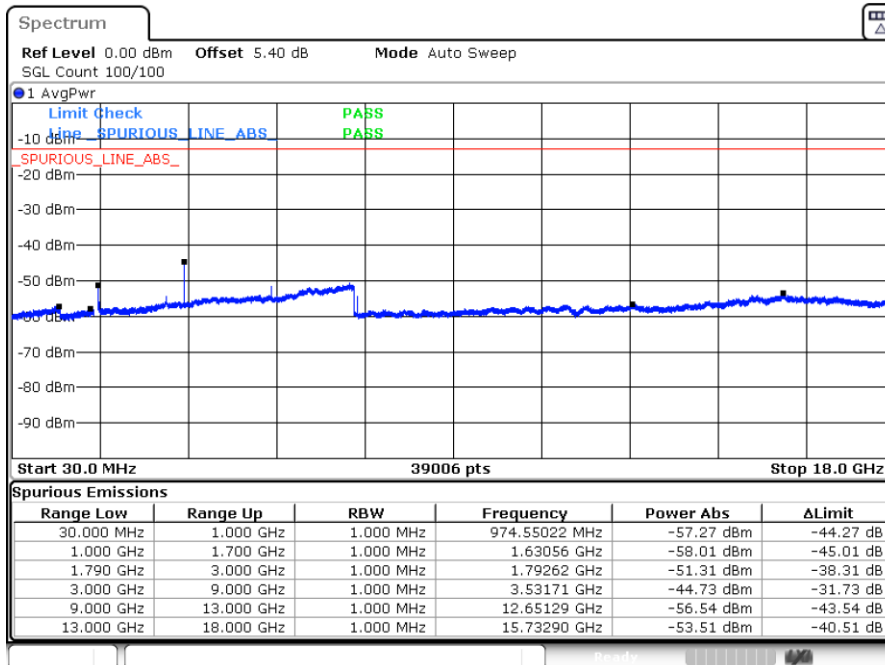
Date: 26.MAY.2024 08:56:34

Middle Channel / QPSK



Date: 26.MAY.2024 09:02:37

Highest Channel / QPSK

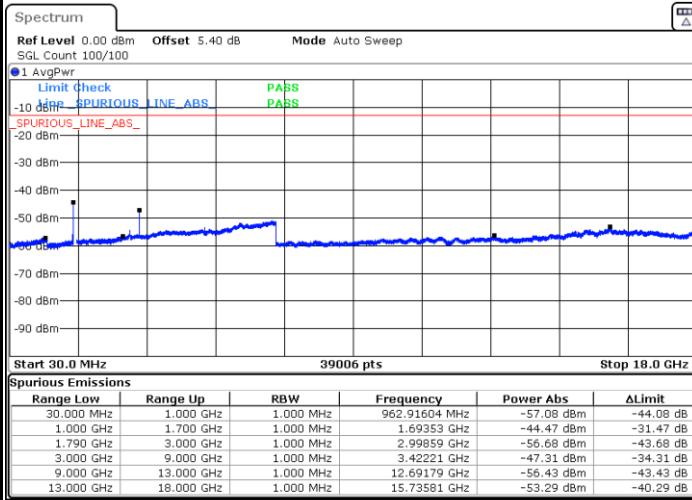


Date: 26.MAY.2024 09:03:39



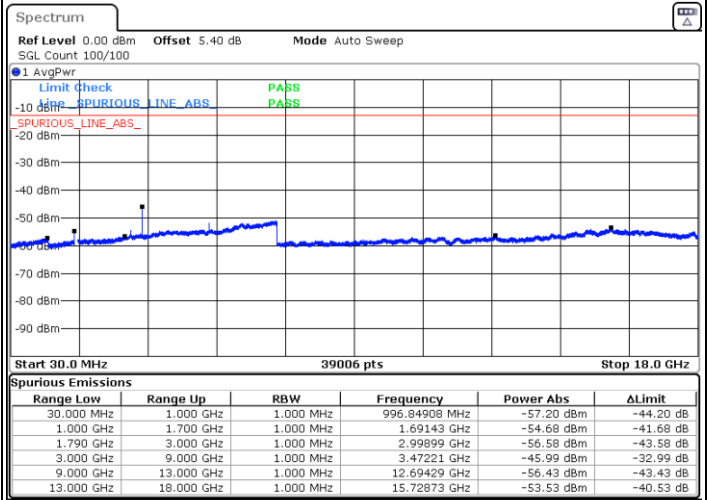
LTE Band 66 / 20MHz

Lowest Channel / QPSK



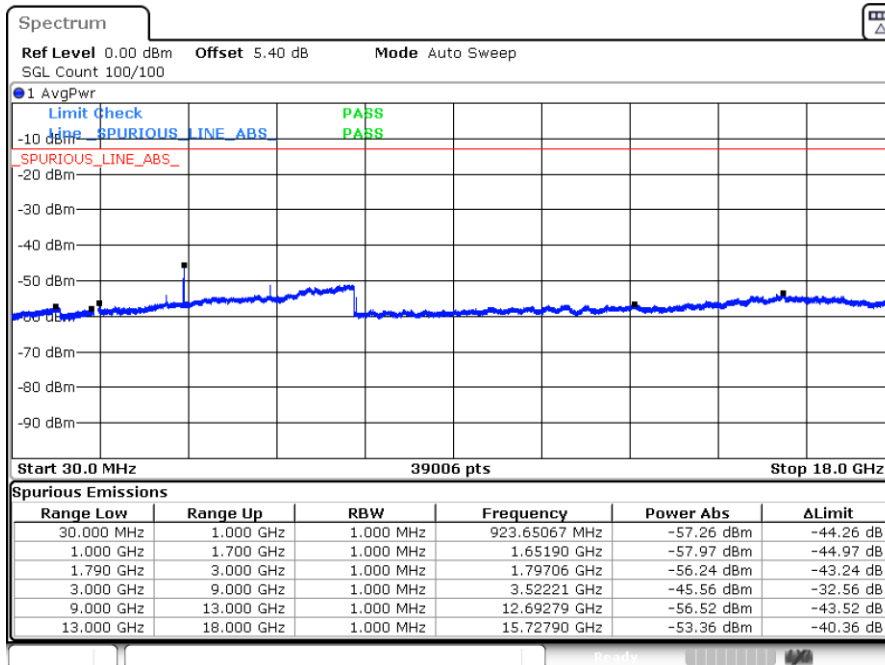
Date: 26.MAY.2024 09:09:43

Middle Channel / QPSK



Date: 26.MAY.2024 09:15:46

Highest Channel / QPSK



Date: 26.MAY.2024 09:16:49

**Frequency Stability**

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0014	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0032	
0	Normal Voltage	0.0035	
-10	Normal Voltage	0.0029	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0041	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0004	
20	Battery End Point	0.0025	

Note:

1. Normal Voltage =7.2 V. ; Battery End Point (BEP) =6.6 V. ; Maximum Voltage =8.26 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Jake	Temperature :	23~25°C
		Relative Humidity :	41~42%

LTE Band 25 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3705	-54.71	-13	-41.71	-66.97	2.641	14.90	H
	5550	-41.73	-13	-28.73	-53.59	2.94	14.80	H
	7410	-53.44	-13	-40.44	-63.21	3.39	13.16	H
	3705	-55.24	-13	-42.24	-67.50	2.64	14.90	V
	5550	-42.62	-13	-29.62	-54.48	2.94	14.80	V
	7410	-53.89	-13	-40.89	-63.66	3.39	13.16	V
Middle	3750	-55.49	-13	-42.49	-67.75	2.64	14.90	H
	5625	-44.07	-13	-31.07	-55.93	2.94	14.80	H
	7500	-53.61	-13	-40.61	-63.38	3.39	13.16	H
	3750	-57.15	-13	-44.15	-69.41	2.64	14.90	V
	5625	-45.12	-13	-32.12	-56.98	2.94	14.80	V
	7500	-53.81	-13	-40.81	-63.58	3.39	13.16	V
Highest	3795	-56.42	-13	-43.42	-68.68	2.64	14.90	H
	5685	-43.87	-13	-30.87	-55.73	2.94	14.80	H
	7590	-54.18	-13	-41.18	-63.95	3.39	13.16	H
	3795	-56.80	-13	-43.80	-69.06	2.64	14.90	V
	5685	-45.04	-13	-32.04	-56.90	2.94	14.80	V
	7590	-54.12	-13	-41.12	-63.89	3.39	13.16	V



LTE Band 26 / 15MHz / QPSK								
Channel	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	1648	-64.06	-13	-51.06	-71.03	1.58	10.70	H
	2472	-59.85	-13	-46.85	-68.10	2.102	12.50	H
	3296	-61.58	-13	-48.58	-70.47	2.856	13.90	H
	1648	-63.54	-13	-50.54	-70.51	1.58	10.70	V
	2472	-56.50	-13	-43.50	-64.75	2.10	12.50	V
	3296	-61.57	-13	-48.57	-70.46	2.86	13.90	V
Middle	1656	-59.43	-13	-46.43	-66.40	1.58	10.70	H
	2488	-59.19	-13	-46.19	-67.44	2.102	12.50	H
	3320	-61.59	-13	-48.59	-70.48	2.856	13.90	H
	1656	-60.48	-13	-47.48	-67.45	1.58	10.70	V
	2488	-56.68	-13	-43.68	-64.93	2.10	12.50	V
	3320	-61.28	-13	-48.28	-70.17	2.86	13.90	V
Highest	1672	-58.84	-13	-45.84	-65.81	1.58	10.70	H
	2504	-59.18	-13	-46.18	-67.43	2.102	12.50	H
	3336	-61.18	-13	-48.18	-70.07	2.856	13.90	H
	1672	-60.79	-13	-47.79	-67.76	1.58	10.70	V
	2504	-57.50	-13	-44.50	-65.75	2.10	12.50	V
	3336	-61.21	-13	-48.21	-70.10	2.86	13.90	V

LTE Band 66 / 20MHz / QPSK								
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	3420	-57.60	-13	-44.60	-68.34	2.604	13.34	H
	5130	-50.58	-13	-37.58	-61.09	3.011	13.52	H
	6840	-54.34	-13	-41.34	-64.54	3.271	13.47	H
	3420	-58.12	-13	-45.12	-68.86	2.604	13.34	V
	5130	-54.80	-13	-41.80	-65.31	3.011	13.52	V
	6840	-54.46	-13	-41.46	-64.66	3.271	13.47	V
Middle	3465	-57.17	-13	-44.17	-67.91	2.604	13.34	H
	5205	-50.00	-13	-37.00	-60.51	3.011	13.52	H
	6945	-54.73	-13	-41.73	-64.93	3.271	13.47	H
	3465	-57.62	-13	-44.62	-68.36	2.604	13.34	V
	5205	-55.33	-13	-42.33	-65.84	3.011	13.52	V
	6945	-55.24	-13	-42.24	-65.44	3.271	13.47	V
Highest	3525	-58.37	-13	-45.37	-69.11	2.604	13.34	H
	5280	-55.69	-13	-42.69	-66.20	3.011	13.52	H
	7050	-55.81	-13	-42.81	-66.01	3.271	13.47	H
	3525	-58.43	-13	-45.43	-69.17	2.604	13.34	V
	5280	-55.79	-13	-42.79	-66.30	3.011	13.52	V
	7050	-56.13	-13	-43.13	-66.33	3.271	13.47	V

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