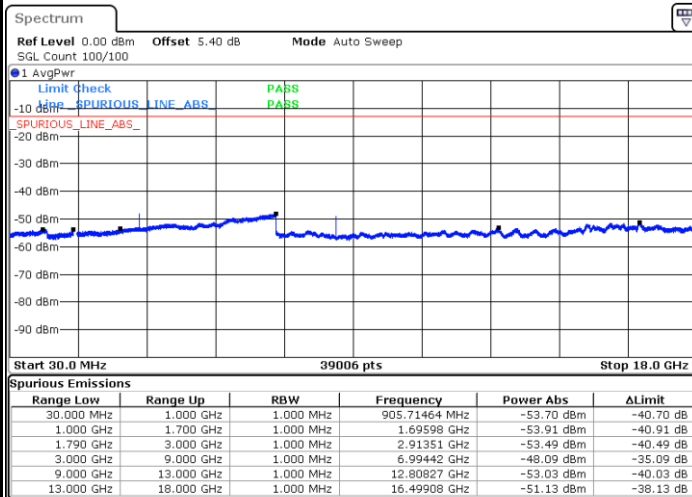




Conducted Spurious Emission

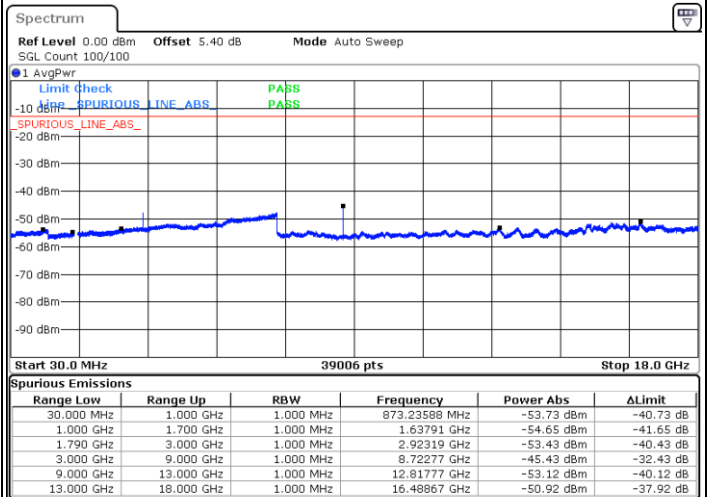
LTE Band 66 / 1.4MHz

Lowest Channel / QPSK



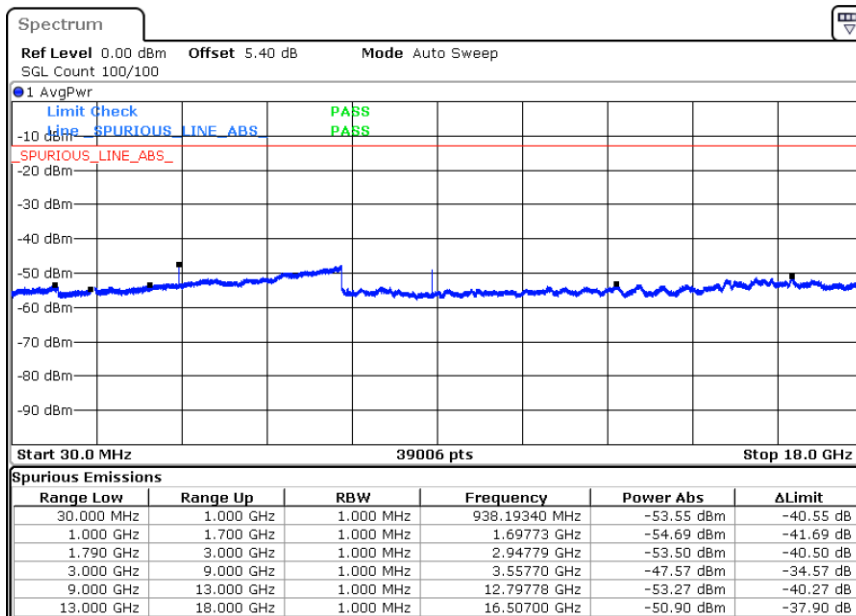
Date: 10.JUN.2022 10:08:16

Middle Channel / QPSK



Date: 10.JUN.2022 10:18:42

Highest Channel / QPSK

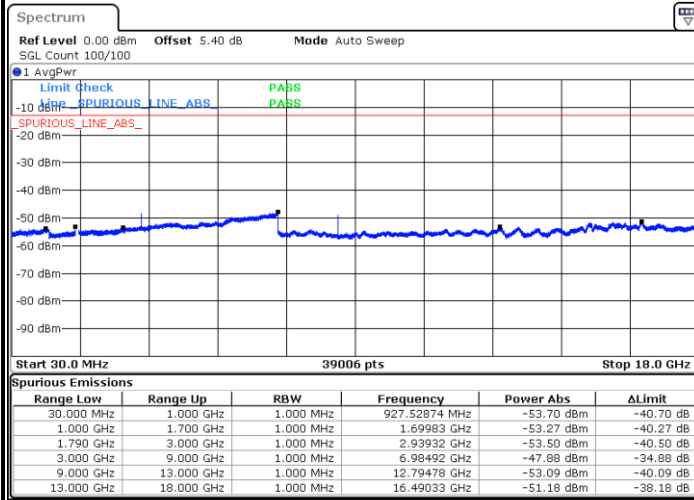


Date: 10.JUN.2022 10:20:35



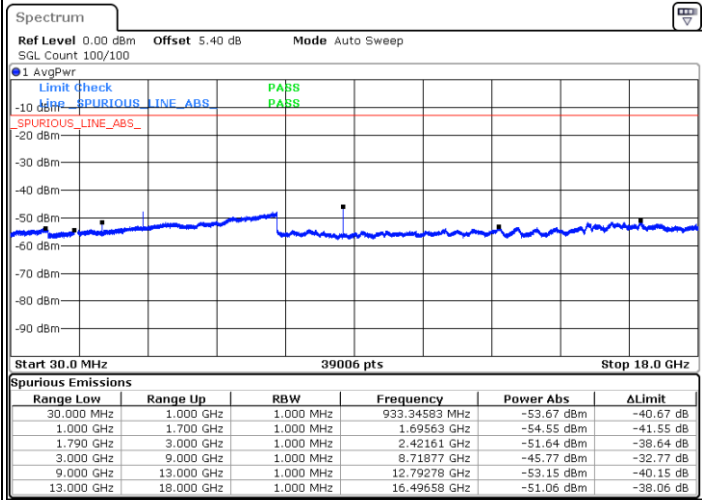
LTE Band 66 / 3MHz

Lowest Channel / QPSK



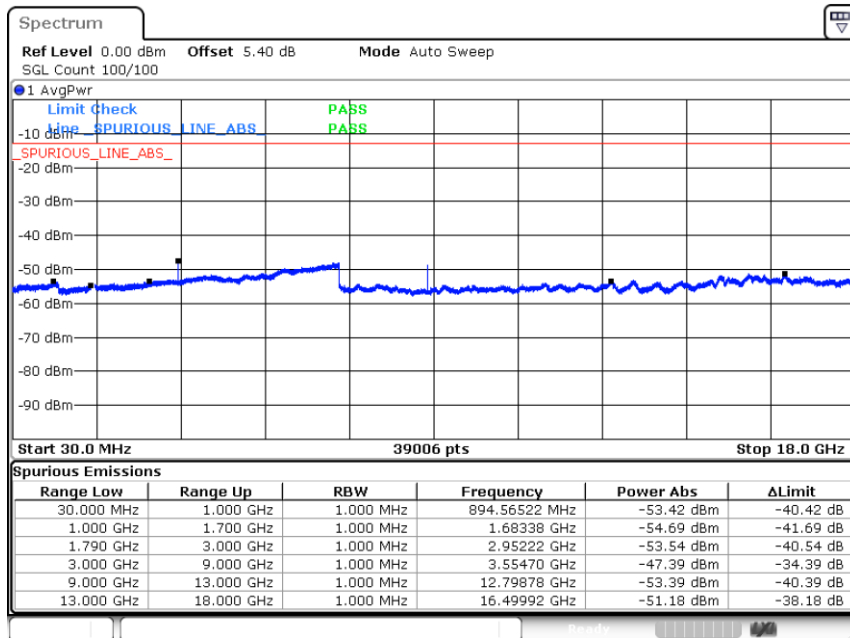
Date: 10.JUN.2022 12:01:41

Middle Channel / QPSK



Date: 10.JUN.2022 10:41:32

Highest Channel / QPSK

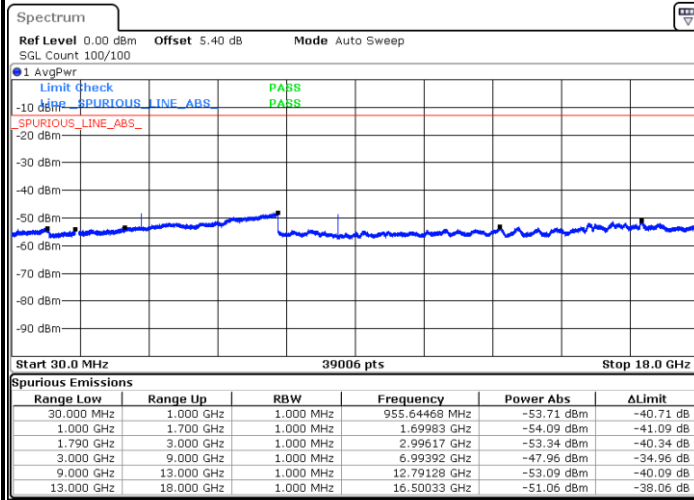


Date: 10.JUN.2022 10:43:26



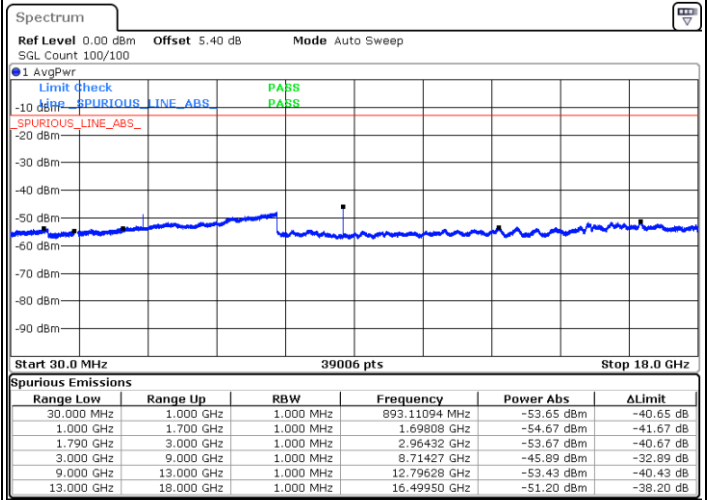
LTE Band 66 / 5MHz

Lowest Channel / QPSK



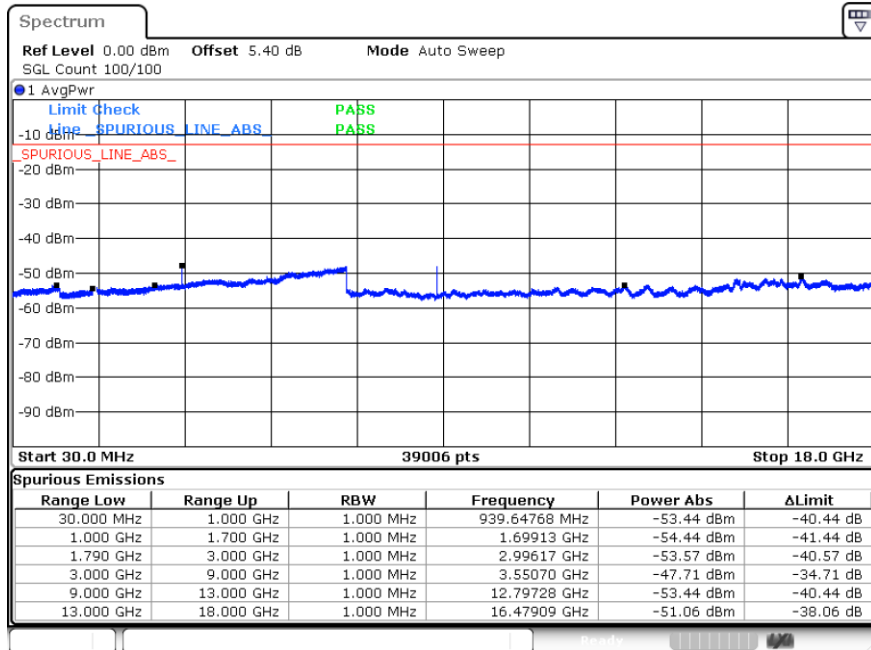
Date: 10.JUN.2022 10:53:51

Middle Channel / QPSK



Date: 10.JUN.2022 11:04:24

Highest Channel / QPSK

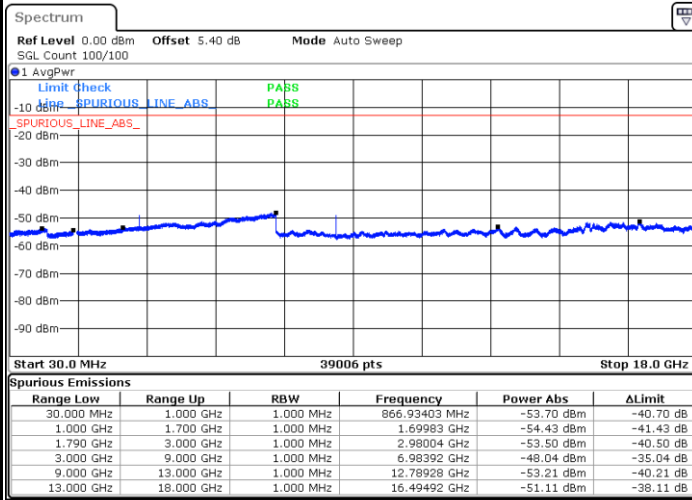


Date: 10.JUN.2022 11:06:20



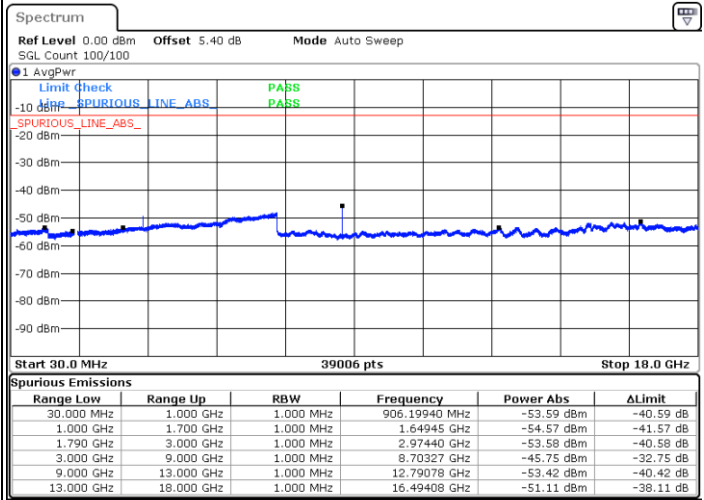
LTE Band 66 / 10MHz

Lowest Channel / QPSK



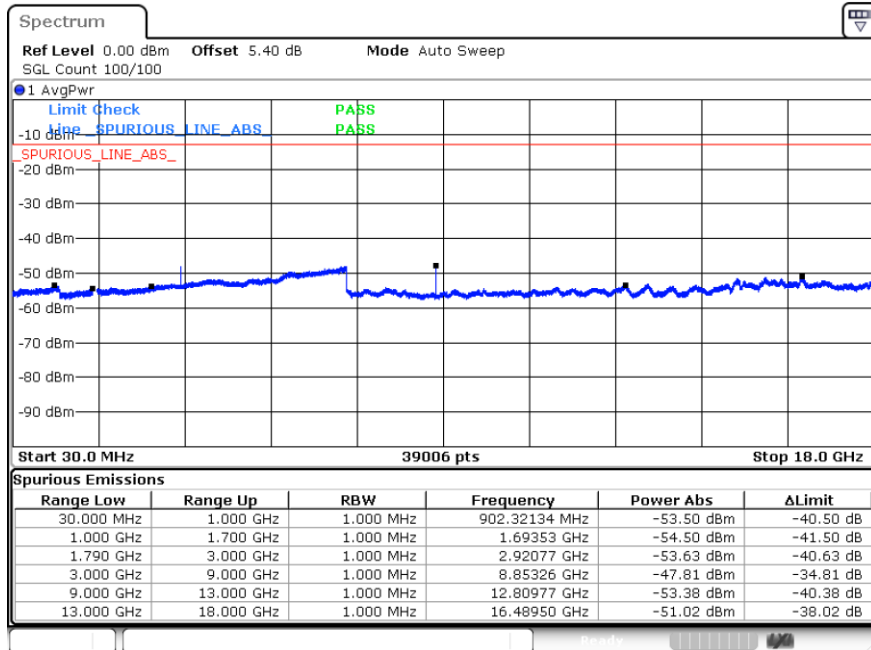
Date: 10.JUN.2022 11:16:45

Middle Channel / QPSK



Date: 10.JUN.2022 11:27:01

Highest Channel / QPSK

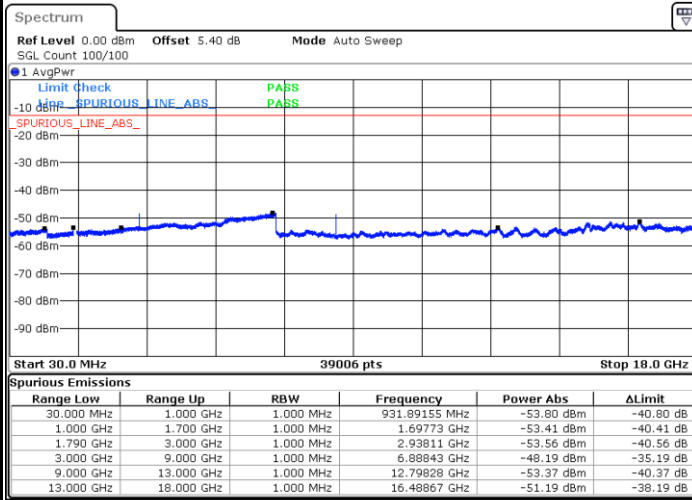


Date: 10.JUN.2022 11:28:53



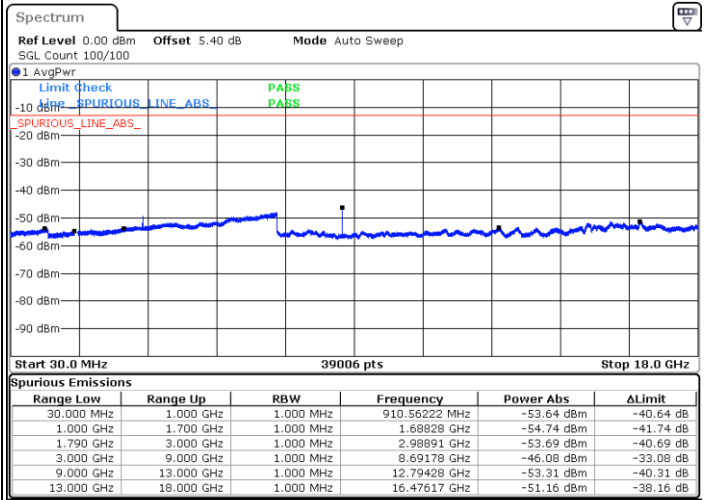
LTE Band 66 / 15MHz

Lowest Channel / QPSK



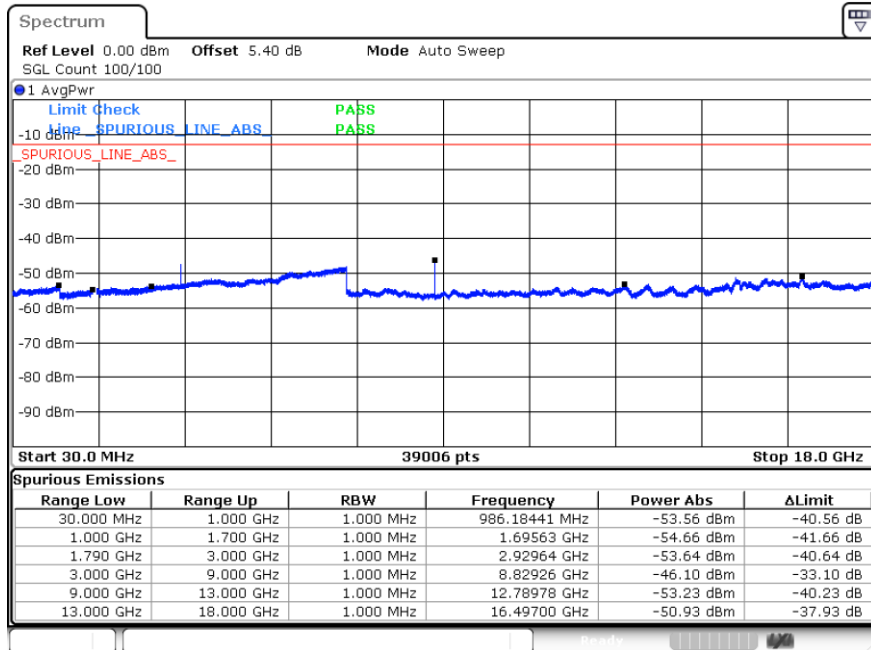
Date: 10.JUN.2022 11:39:12

Middle Channel / QPSK



Date: 10.JUN.2022 11:49:32

Highest Channel / QPSK

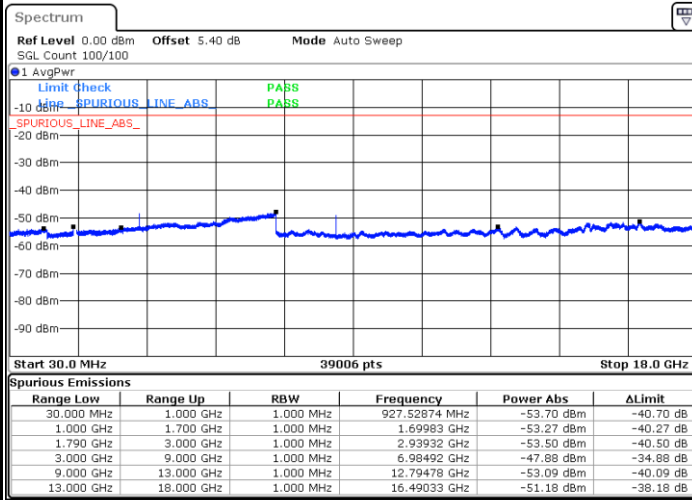


Date: 10.JUN.2022 11:51:24



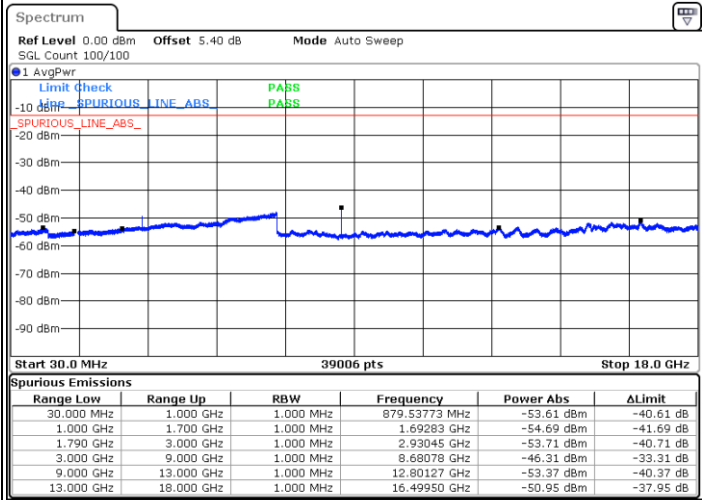
LTE Band 66 / 20MHz

Lowest Channel / QPSK



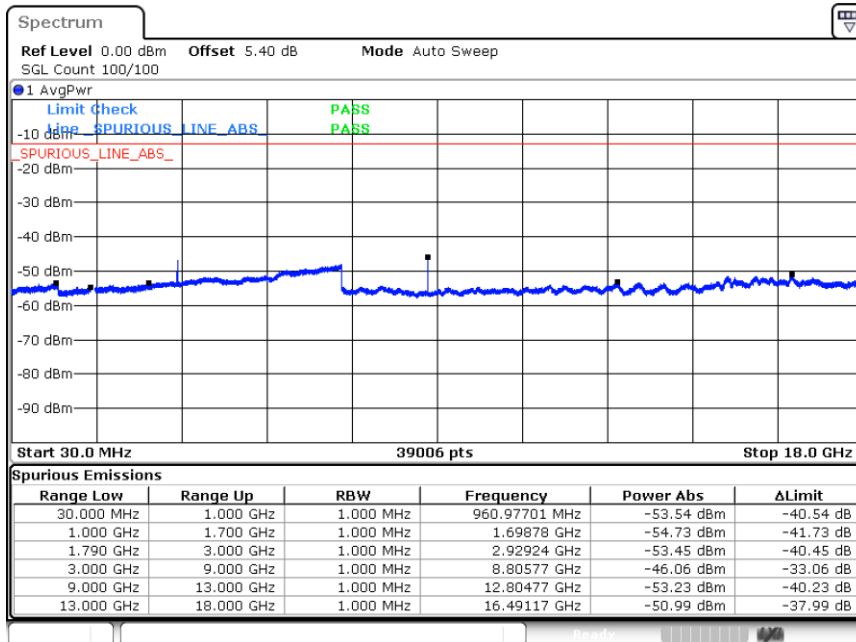
Date: 10.JUN.2022 12:01:41

Middle Channel / QPSK



Date: 10.JUN.2022 12:11:58

Highest Channel / QPSK



Date: 10.JUN.2022 12:13:50

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	0.0006	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0001	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0021	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.45 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 :	Chris Chen	Temperature :	23~25°C
		Relative Humidity :	41~42%

LTE Band 2 / 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	3702	-54.63	-13	-41.63	-66.89	2.641	14.90	H
	5553	-51.01	-13	-38.01	-62.87	2.94	14.80	H
	7404	-48.84	-13	-35.84	-58.61	3.39	13.16	H
	3702	-55.58	-13	-42.58	-67.84	2.64	14.90	V
	5553	-52.41	-13	-39.41	-64.27	2.94	14.80	V
	7404	-49.41	-13	-36.41	-59.18	3.39	13.16	V
Middle	3741	-55.33	-13	-42.33	-67.59	2.64	14.90	H
	5613	-50.99	-13	-37.99	-62.85	2.94	14.80	H
	7488	-50.93	-13	-37.93	-60.70	3.39	13.16	H
	3741	-55.91	-13	-42.91	-68.17	2.64	14.90	V
	5613	-52.35	-13	-39.35	-64.21	2.94	14.80	V
	7488	-50.85	-13	-37.85	-60.62	3.39	13.16	V
Highest	3783	-54.87	-13	-41.87	-67.13	2.64	14.90	H
	5673	-51.18	-13	-38.18	-63.04	2.94	14.80	H
	7560	-49.57	-13	-36.57	-59.34	3.39	13.16	H
	3783	-55.69	-13	-42.69	-67.95	2.64	14.90	V
	5673	-52.44	-13	-39.44	-64.30	2.94	14.80	V
	7560	-49.74	-13	-36.74	-59.51	3.39	13.16	V

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



LTE Band 5 / 10MHz / 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	1648	-52.24	-13	-39.24	-59.21	1.58	10.70	H
	2474	-59.83	-13	-46.83	-68.08	2.102	12.50	H
	3300	-58.12	-13	-45.12	-67.01	2.856	13.90	H
	1648	-55.98	-13	-42.98	-62.95	1.58	10.70	V
	2474	-59.75	-13	-46.75	-68.00	2.10	12.50	V
	3300	-58.54	-13	-45.54	-67.43	2.86	13.90	V
Middle	1664	-55.52	-13	-42.52	-62.49	1.58	10.70	H
	2496	-60.20	-13	-47.20	-68.45	2.102	12.50	H
	3330	-58.60	-13	-45.60	-67.49	2.856	13.90	H
	1664	-51.79	-13	-38.79	-58.76	1.58	10.70	V
	2496	-52.98	-13	-39.98	-61.23	2.10	12.50	V
	3330	-58.70	-13	-45.70	-67.59	2.86	13.90	V
Highest	1680	-56.30	-13	-43.30	-63.27	1.58	10.70	H
	2518	-59.89	-13	-46.89	-68.14	2.102	12.50	H
	3360	-60.15	-13	-47.15	-69.04	2.856	13.90	H
	1680	-58.04	-13	-45.04	-65.01	1.58	10.70	V
	2518	-59.49	-13	-46.49	-67.74	2.10	12.50	V
	3360	-60.10	-13	-47.10	-68.99	2.86	13.90	V

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



LTE Band 17 / 10MHz / 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	1410	-65.06	-13	-52.06	-72.03	1.58	10.70	H
	2114	-61.03	-13	-48.03	-69.28	2.102	12.50	H
	2818	-59.47	-13	-46.47	-68.36	2.856	13.90	H
	1410	-65.06	-13	-52.06	-72.03	1.58	10.70	V
	2114	-60.63	-13	-47.63	-68.88	2.10	12.50	V
	2818	-58.65	-13	-45.65	-67.54	2.86	13.90	V
Middle	1412	-64.43	-13	-51.43	-71.40	1.58	10.70	H
	2116	-61.02	-13	-48.02	-69.27	2.102	12.50	H
	2822	-59.26	-13	-46.26	-68.15	2.856	13.90	H
	1412	-64.57	-13	-51.57	-71.54	1.58	10.70	V
	2116	-60.18	-13	-47.18	-68.43	2.10	12.50	V
	2822	-59.14	-13	-46.14	-68.03	2.86	13.90	V
Highest	1414	-65.08	-13	-52.08	-72.05	1.58	10.70	H
	2120	-60.85	-13	-47.85	-69.10	2.102	12.50	H
	2826	-59.40	-13	-46.40	-68.29	2.856	13.90	H
	1414	-64.65	-13	-51.65	-71.62	1.58	10.70	V
	2120	-60.28	-13	-47.28	-68.53	2.10	12.50	V
	2826	-59.31	-13	-46.31	-68.20	2.86	13.90	V

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



LTE Band 66 / 20MHz / 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	3423	-55.32	-13	-42.32	-66.06	2.604	13.34	H
	5133	-51.23	-13	-38.23	-61.74	3.011	13.52	H
	6840	-50.53	-13	-37.53	-60.73	3.271	13.47	H
	3423	-56.13	-13	-43.13	-66.87	2.604	13.34	V
	5133	-53.18	-13	-40.18	-63.69	3.011	13.52	V
	6840	-50.82	-13	-37.82	-61.02	3.271	13.47	V
Middle	3471	-55.81	-13	-42.81	-66.55	2.604	13.34	H
	5208	-49.86	-13	-36.86	-60.37	3.011	13.52	H
	6948	-50.51	-13	-37.51	-60.71	3.271	13.47	H
	3471	-56.00	-13	-43.00	-66.74	2.604	13.34	V
	5208	-51.99	-13	-38.99	-62.50	3.011	13.52	V
	6948	-50.72	-13	-37.72	-60.92	3.271	13.47	V
Highest	3522	-55.46	-13	-42.46	-66.20	2.604	13.34	H
	5283	-51.13	-13	-38.13	-61.64	3.011	13.52	H
	7044	-49.98	-13	-36.98	-60.18	3.271	13.47	H
	3522	-55.97	-13	-42.97	-66.71	2.604	13.34	V
	5283	-53.44	-13	-40.44	-63.95	3.011	13.52	V
	7044	-50.60	-13	-37.60	-60.80	3.271	13.47	V

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