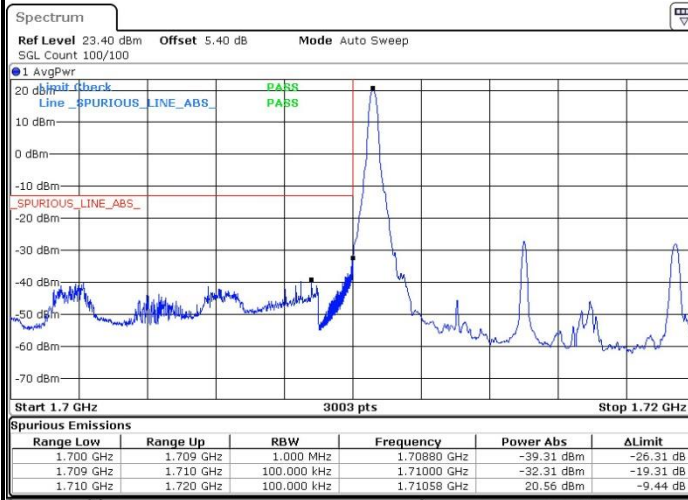




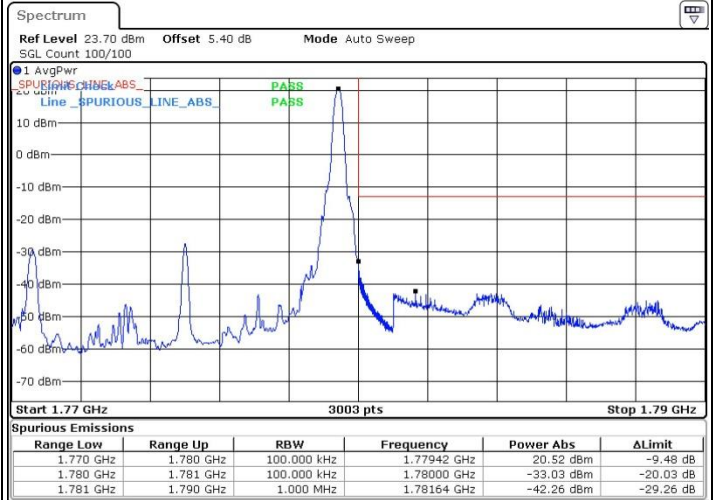
LTE Band 66 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



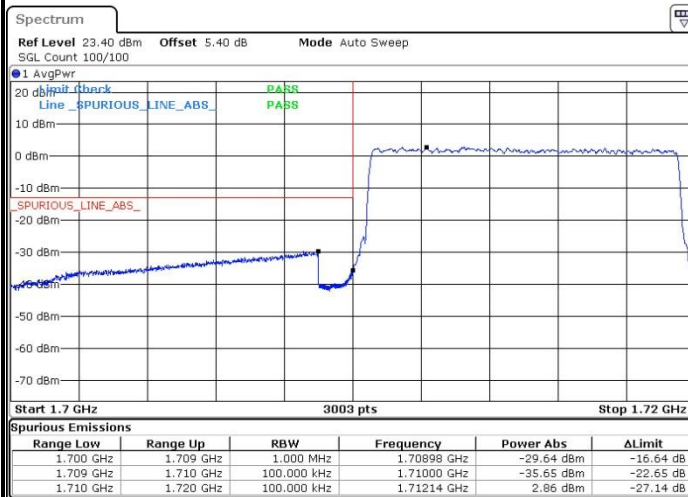
Date: 22.JAN.2021 00:57:02

Highest Band Edge / 1 RB



Date: 22.JAN.2021 01:00:26

Lowest Band Edge / Full RB



Date: 22.JAN.2021 00:53:38

Highest Band Edge / Full RB

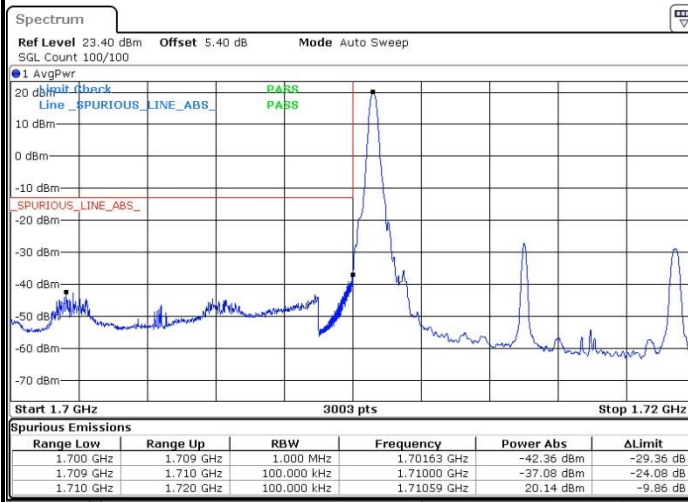


Date: 22.JAN.2021 01:03:49

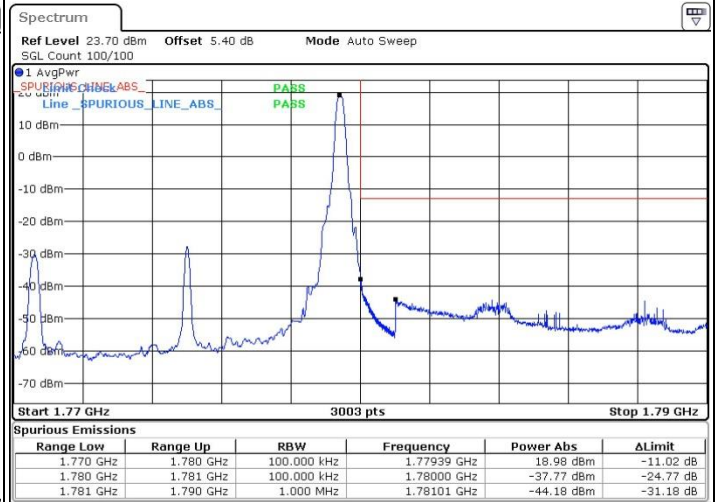


LTE Band 66 / 10MHz / 64QAM

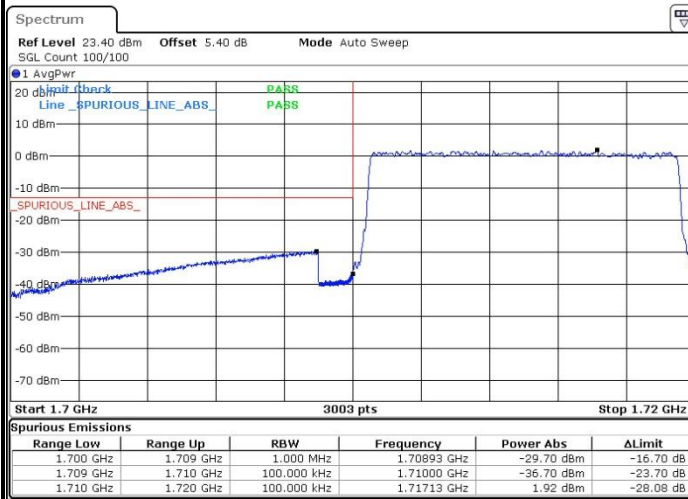
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



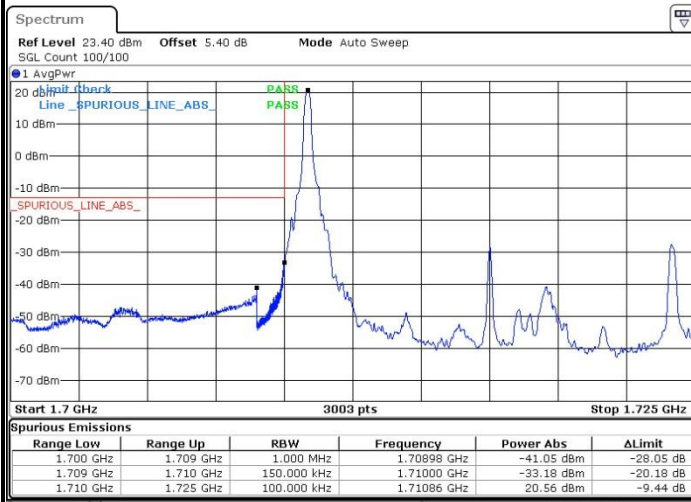
Highest Band Edge / Full RB





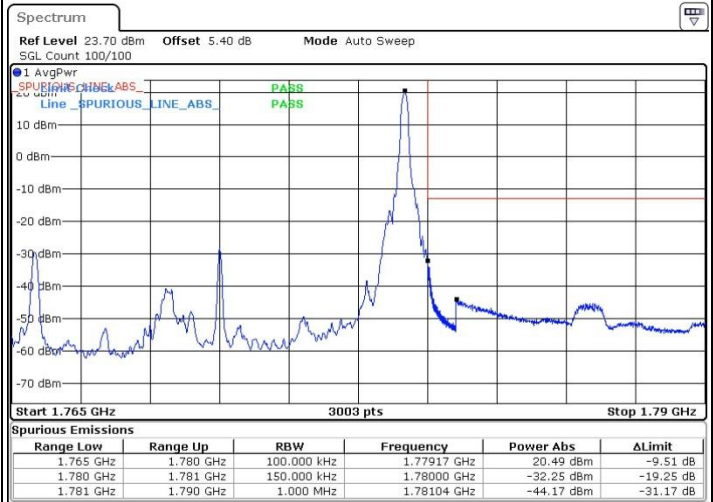
LTE Band 66 / 15MHz / QPSK

Lowest Band Edge / 1 RB



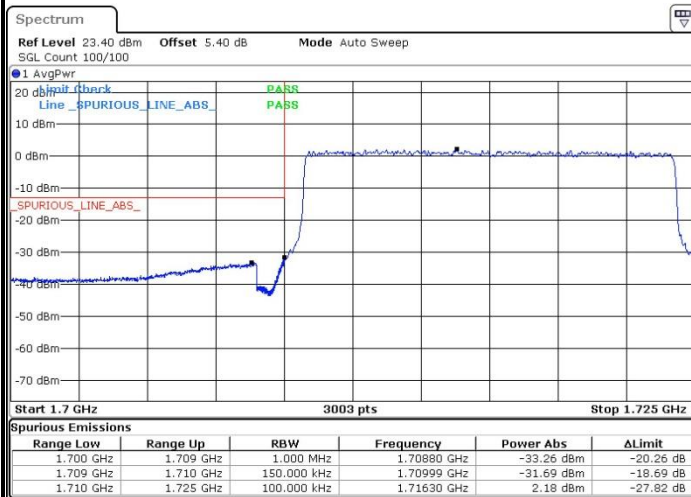
Date: 22.JAN.2021 01:14:31

Highest Band Edge / 1 RB



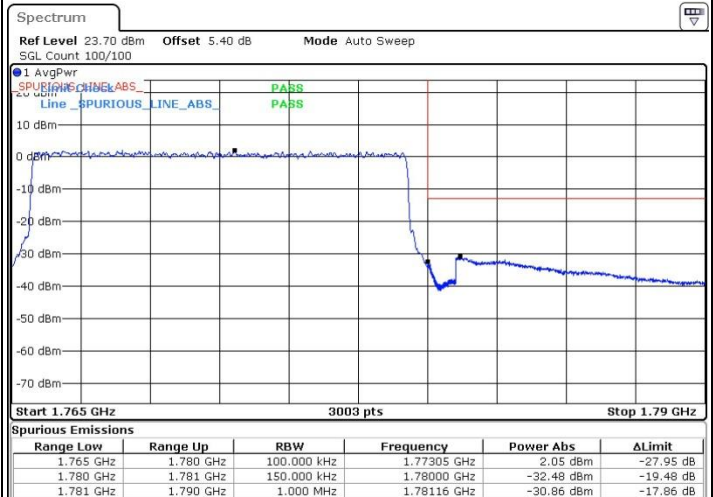
Date: 22.JAN.2021 01:15:39

Lowest Band Edge / Full RB



Date: 22.JAN.2021 01:08:52

Highest Band Edge / Full RB

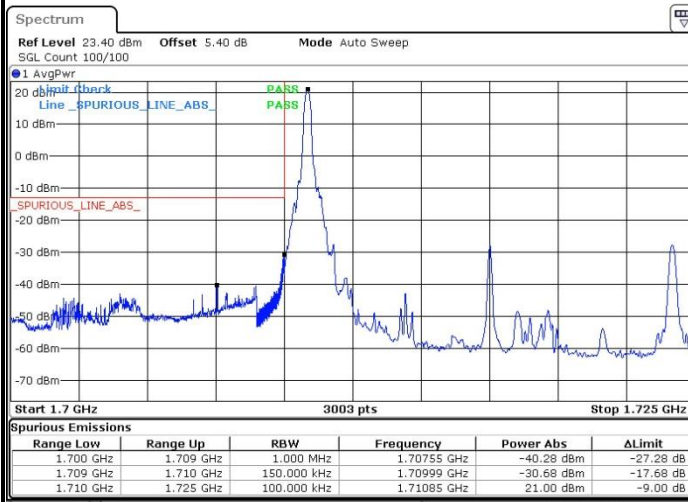


Date: 22.JAN.2021 01:21:19

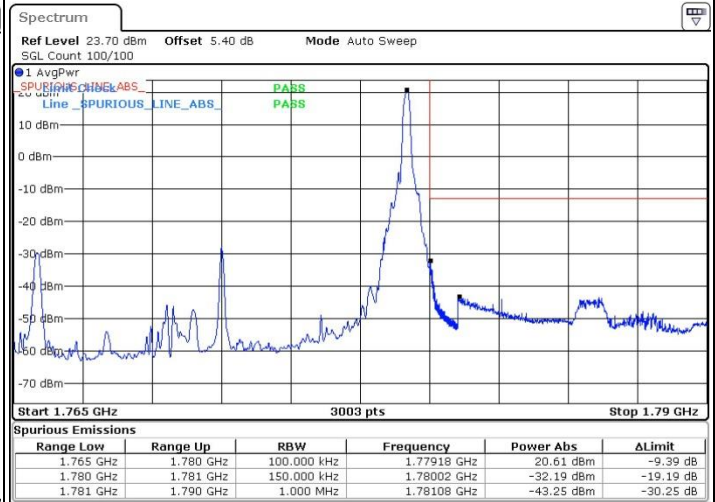


LTE Band 66 / 15MHz / 16QAM

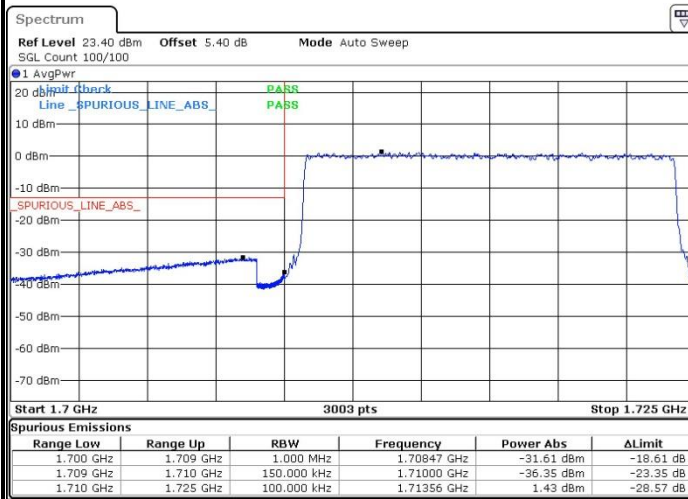
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



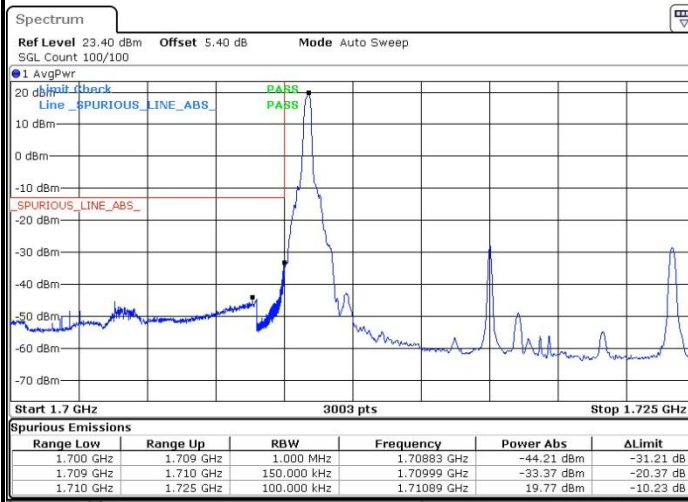
Highest Band Edge / Full RB





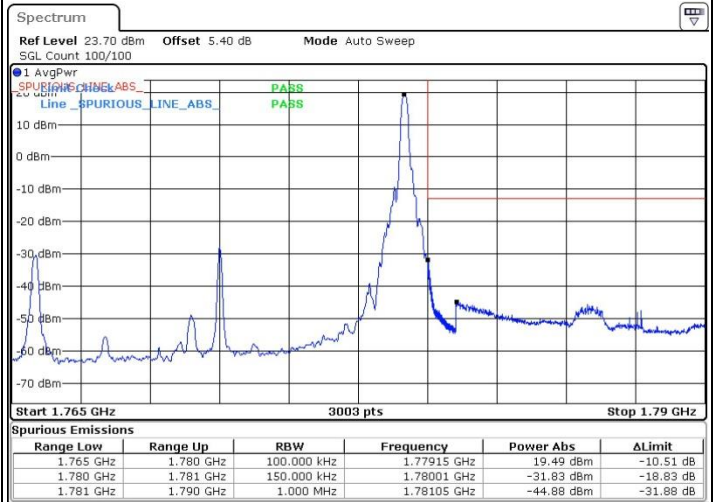
LTE Band 66 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



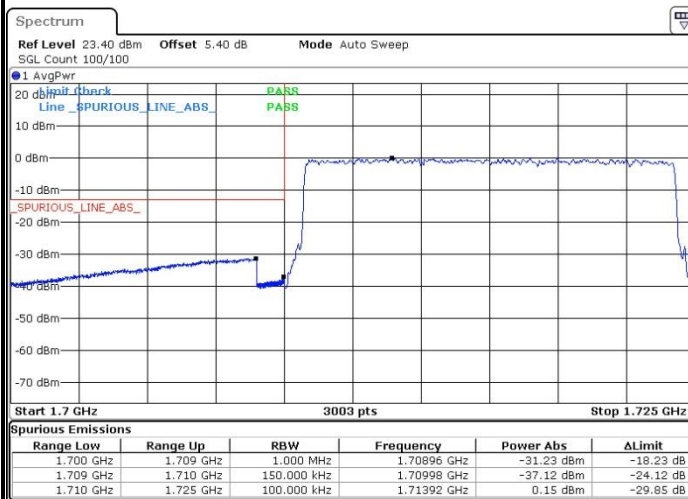
Date: 22.JAN.2021 01:12:16

Highest Band Edge / 1 RB



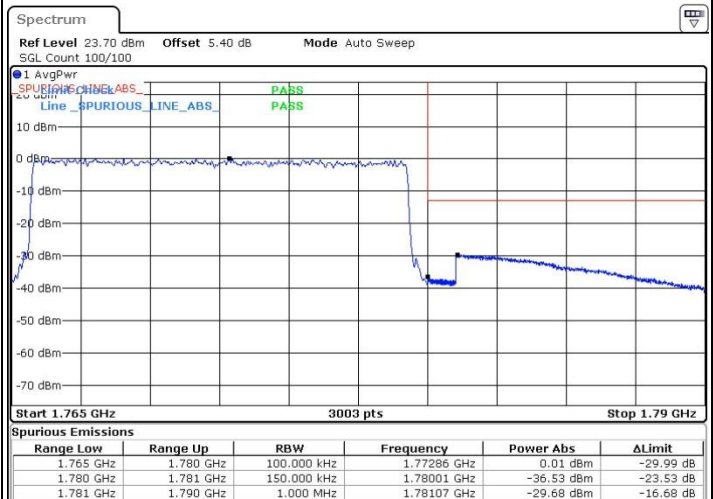
Date: 22.JAN.2021 01:17:55

Lowest Band Edge / Full RB



Date: 22.JAN.2021 01:11:08

Highest Band Edge / Full RB

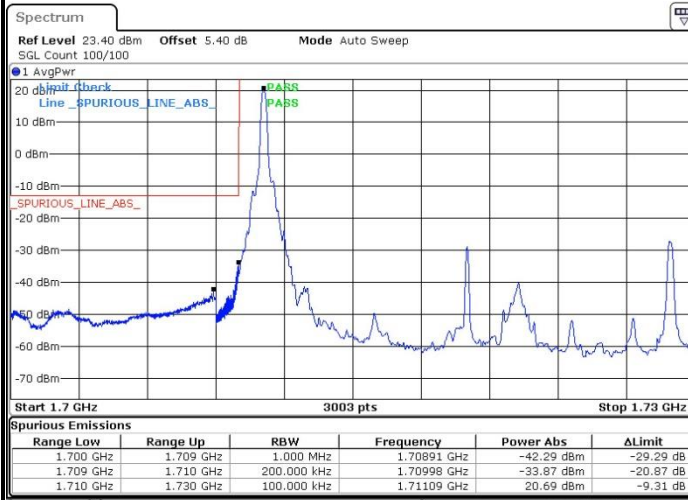


Date: 22.JAN.2021 01:19:03

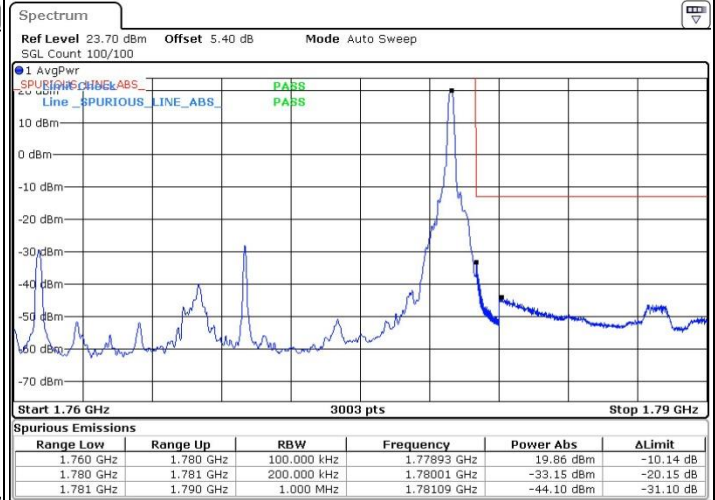


LTE Band 66 / 20MHz / QPSK

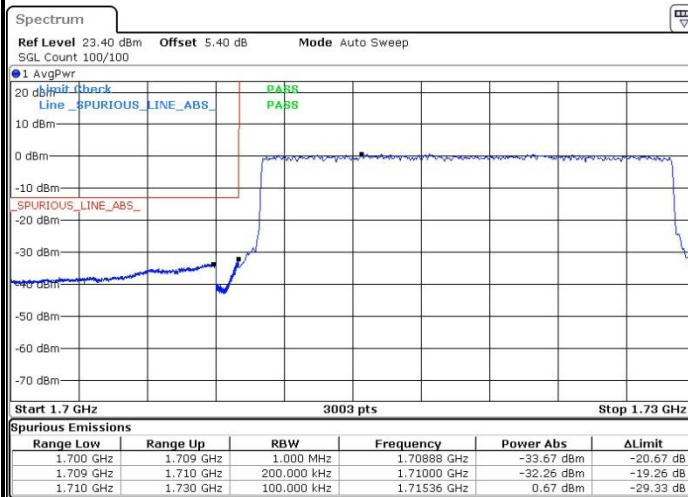
Lowest Band Edge / 1 RB



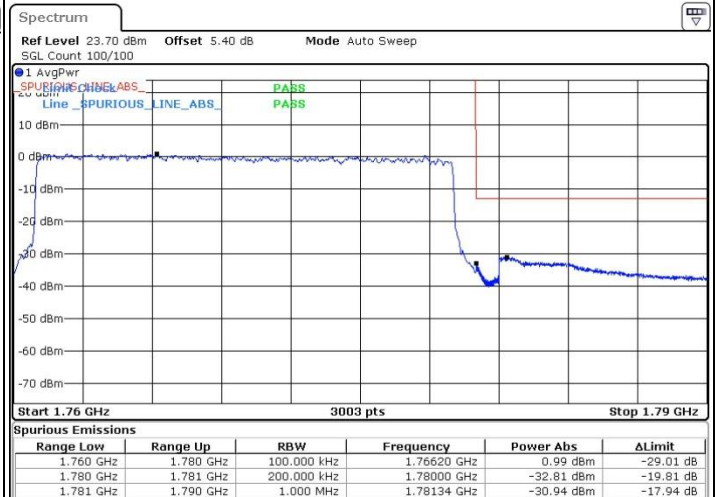
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



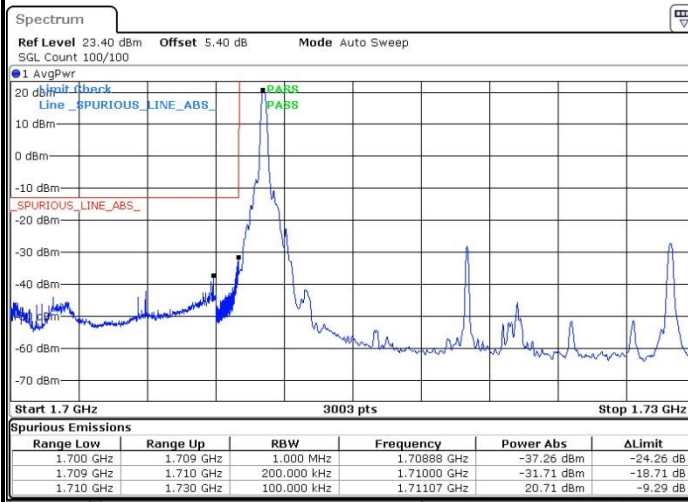
Highest Band Edge / Full RB



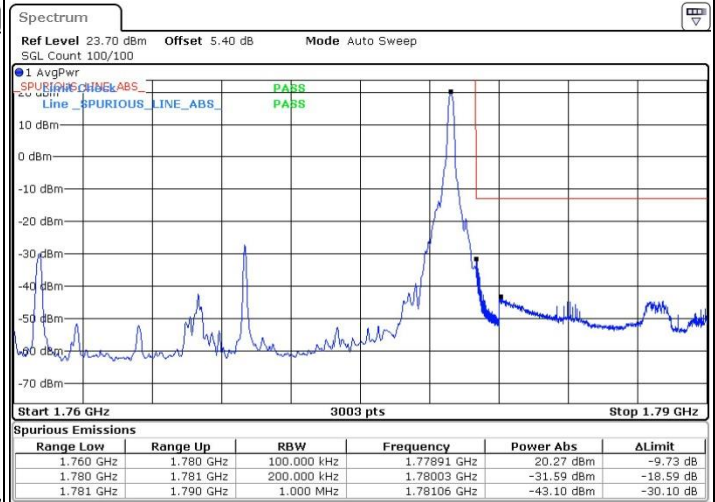


LTE Band 66 / 20MHz / 16QAM

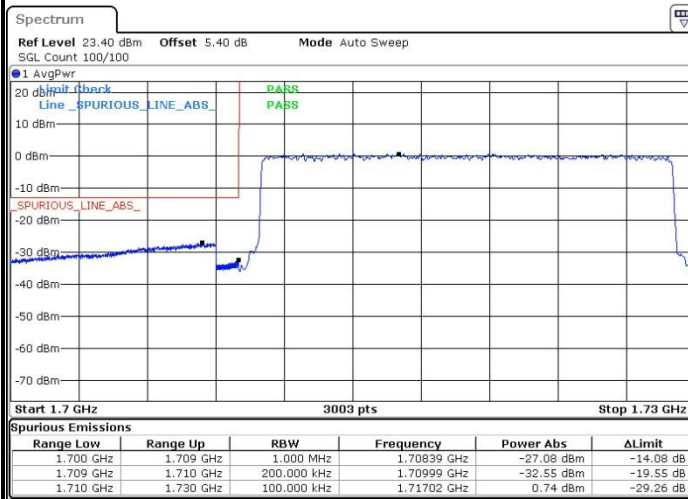
Lowest Band Edge / 1 RB



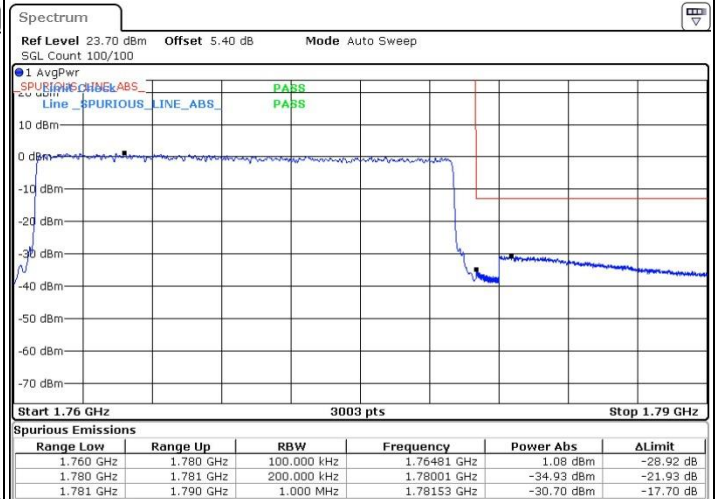
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



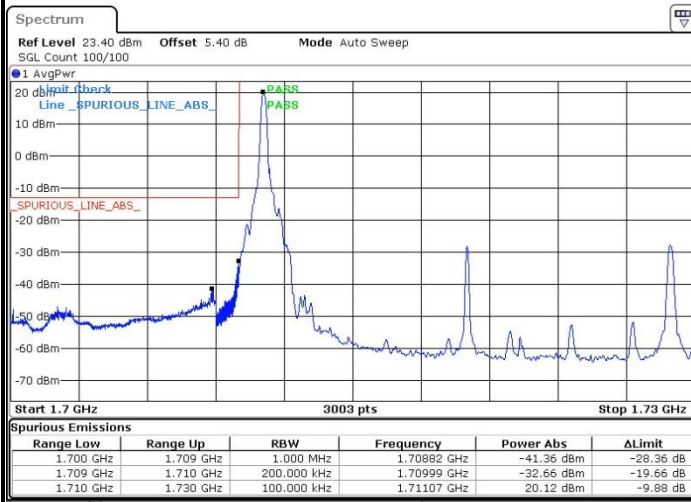
Highest Band Edge / Full RB



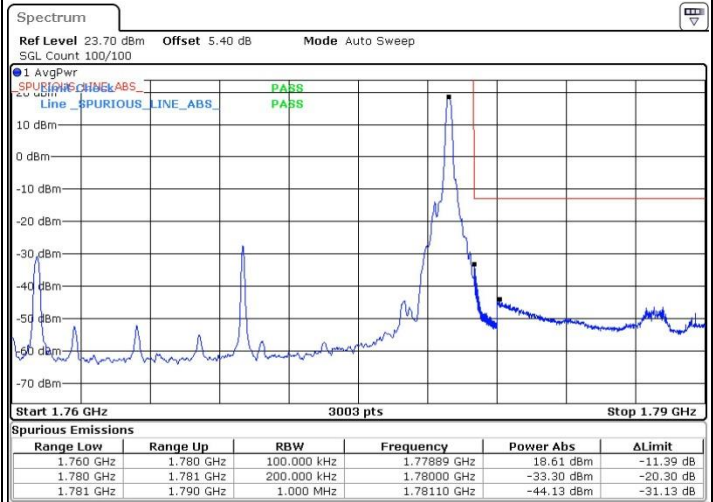


LTE Band 66 / 20MHz / 64QAM

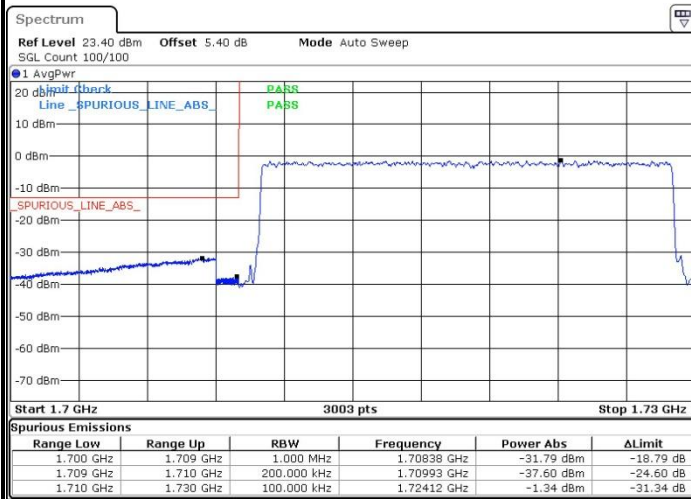
Lowest Band Edge / 1 RB



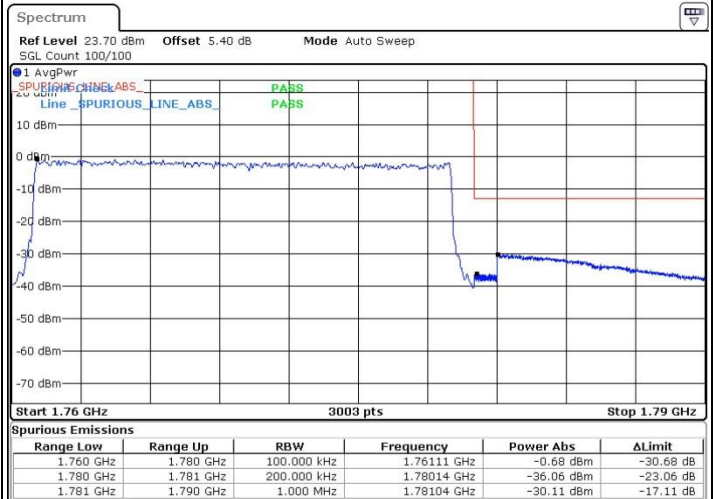
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

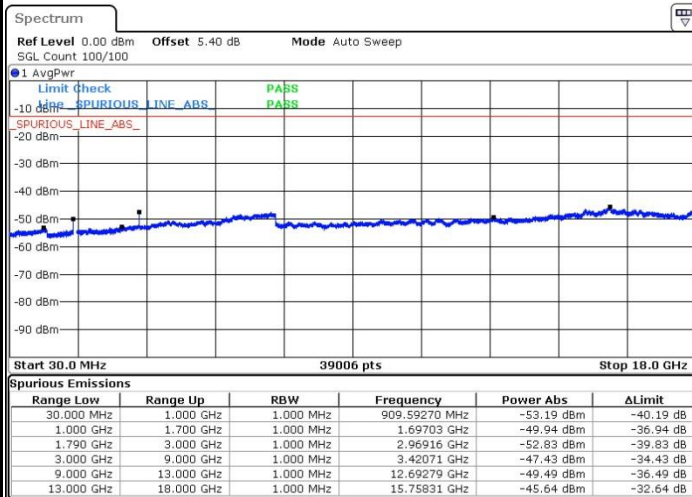




Conducted Spurious Emission

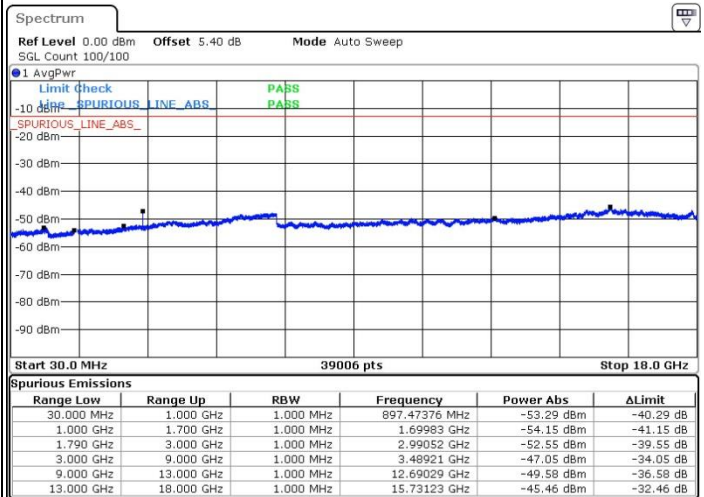
LTE Band 66 / 1.4MHz

Lowest Channel / QPSK



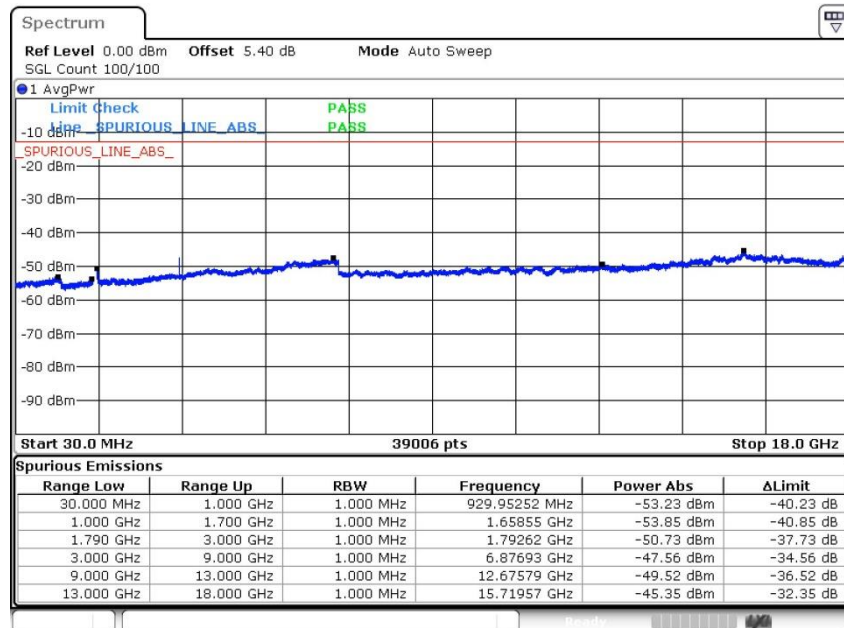
Date: 22.JAN.2021 00:18:37

Middle Channel / QPSK



Date: 22.JAN.2021 00:17:41

Highest Channel / QPSK

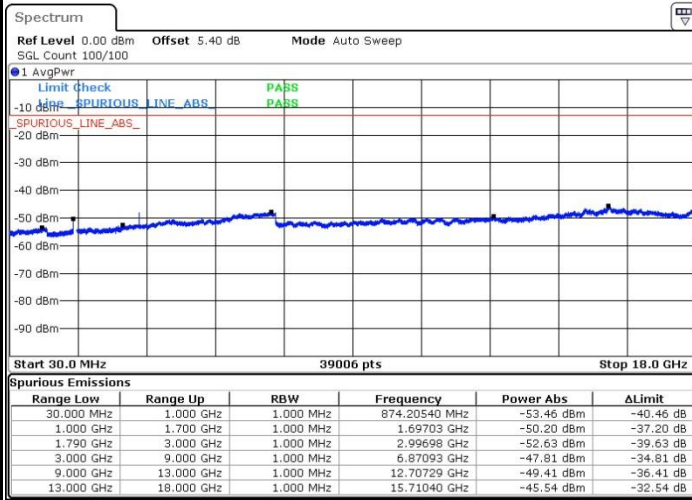


Date: 22.JAN.2021 00:16:46



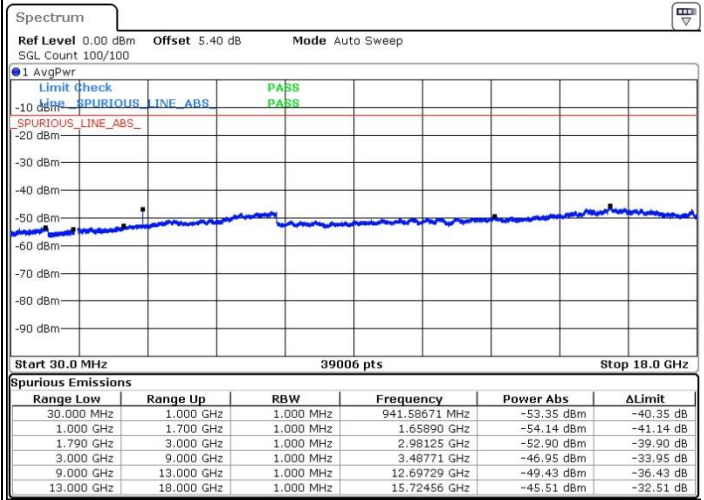
LTE Band 66 / 3MHz

Lowest Channel / QPSK



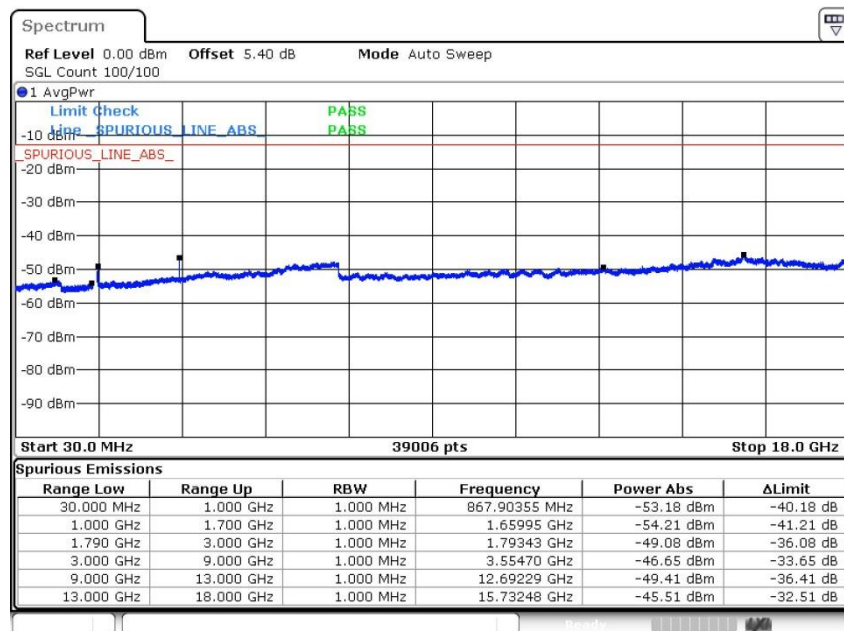
Date: 22.JAN.2021 00:35:01

Middle Channel / QPSK



Date: 22.JAN.2021 00:34:05

Highest Channel / QPSK

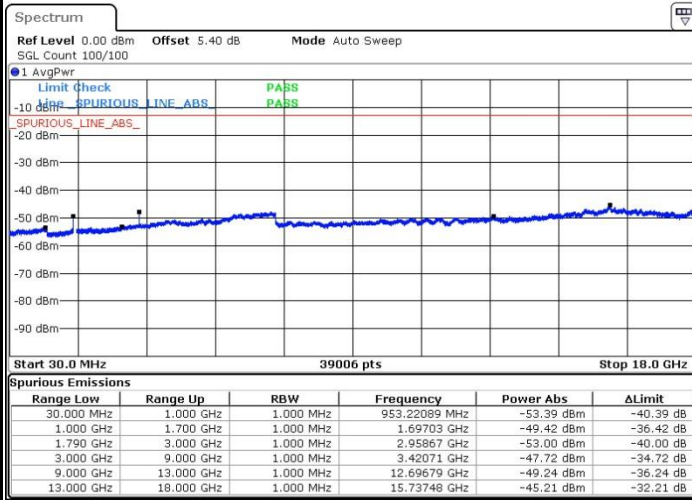


Date: 22.JAN.2021 00:33:09



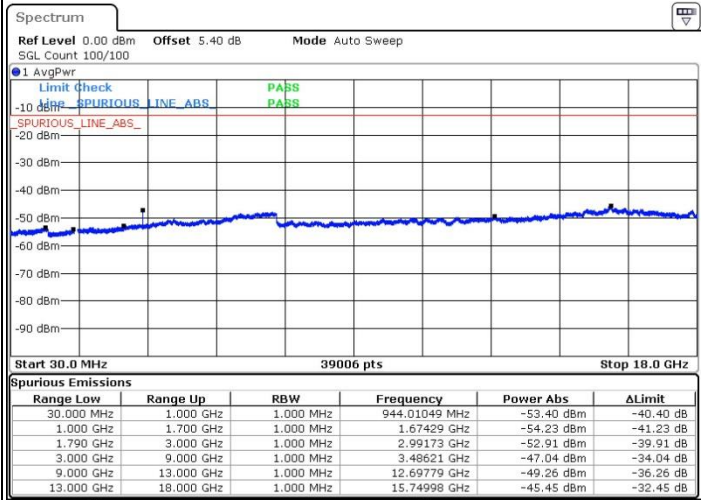
LTE Band 66 / 5MHz

Lowest Channel / QPSK



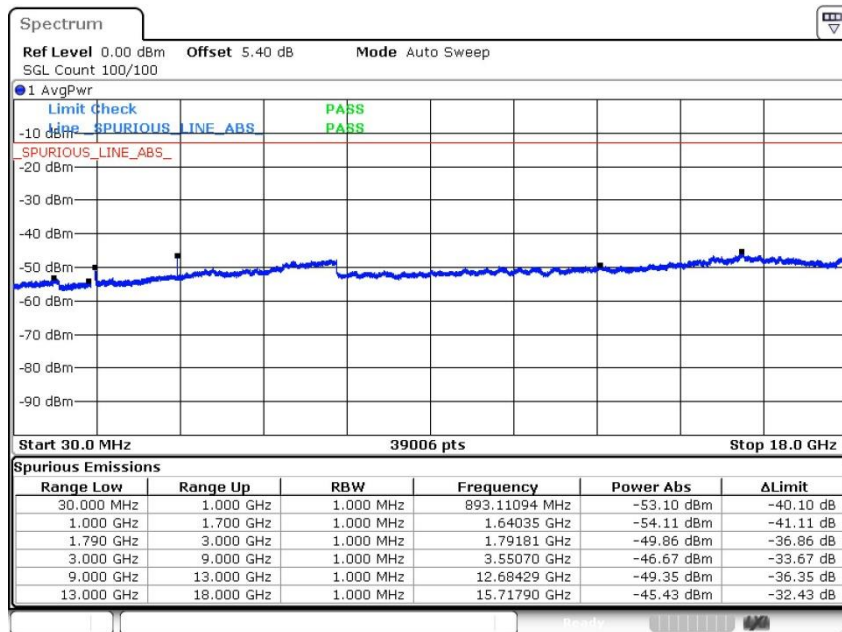
Date: 22.JAN.2021 00:49:31

Middle Channel / QPSK



Date: 22.JAN.2021 00:50:26

Highest Channel / QPSK

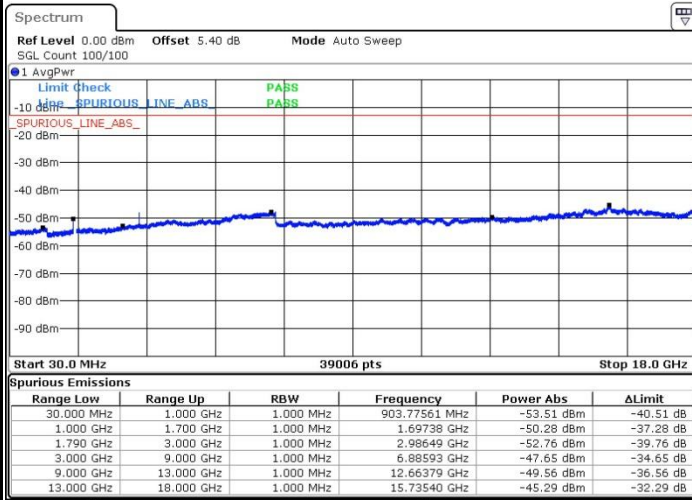


Date: 22.JAN.2021 00:51:22



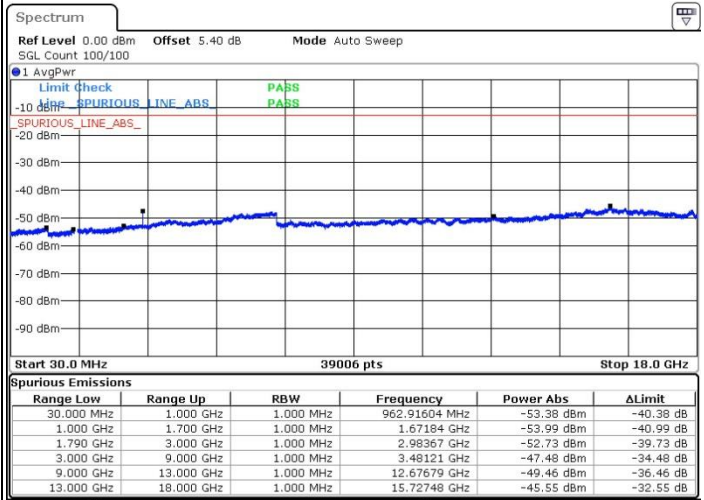
LTE Band 66 / 10MHz

Lowest Channel / QPSK



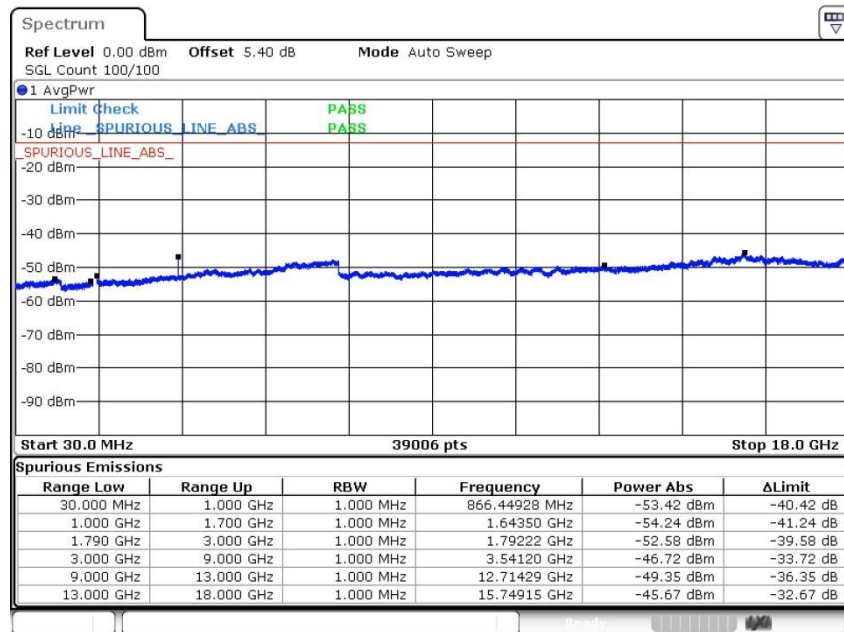
Date: 22.JAN.2021 01:07:44

Middle Channel / QPSK



Date: 22.JAN.2021 01:06:48

Highest Channel / QPSK

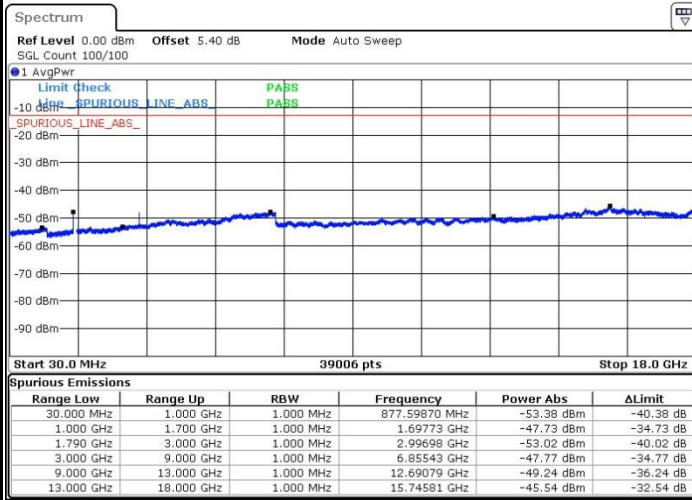


Date: 22.JAN.2021 01:05:52



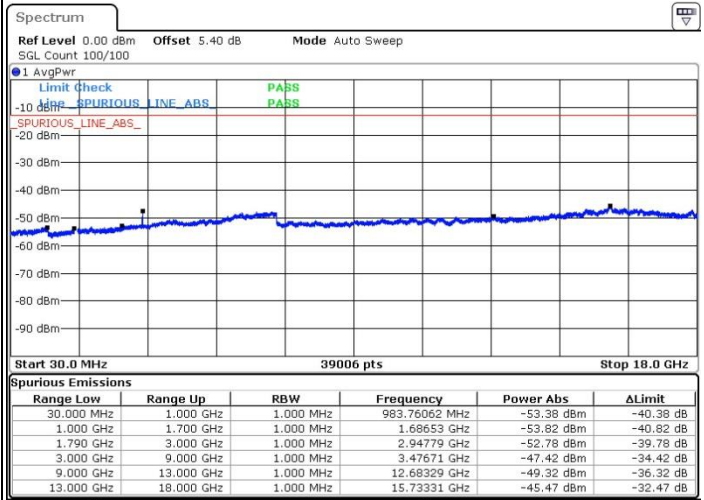
LTE Band 66 / 15MHz

Lowest Channel / QPSK



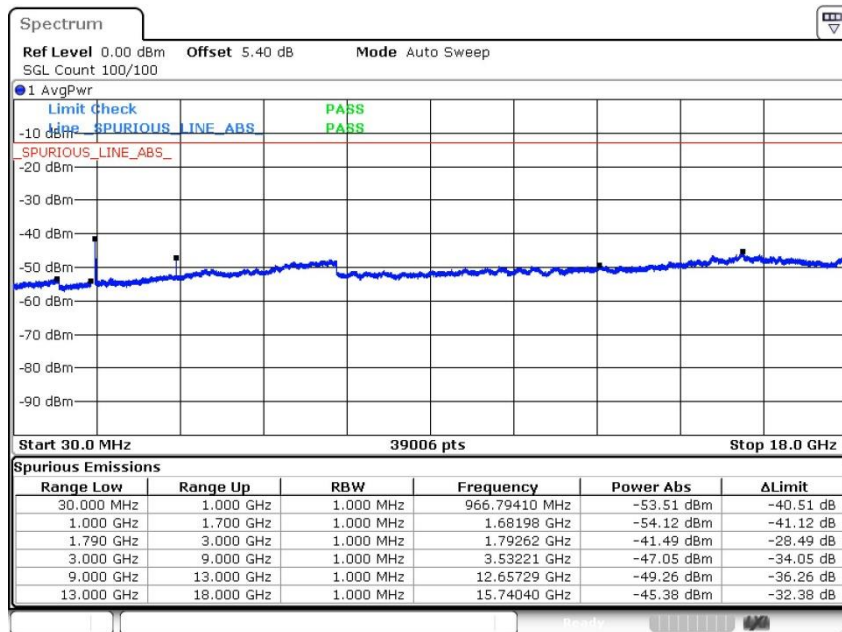
Date: 22.JAN.2021 01:22:14

Middle Channel / QPSK



Date: 22.JAN.2021 01:23:10

Highest Channel / QPSK

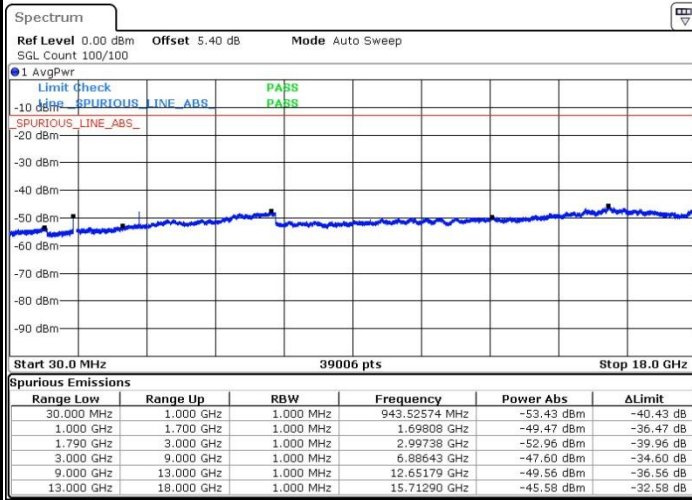


Date: 22.JAN.2021 01:24:05



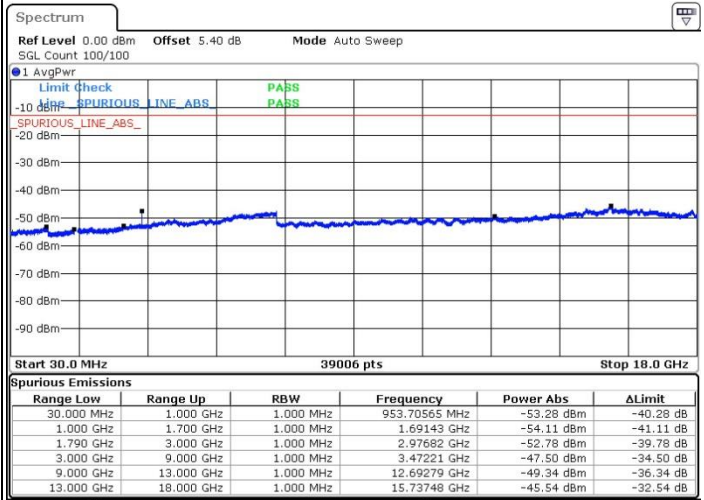
LTE Band 66 / 20MHz

Lowest Channel / QPSK



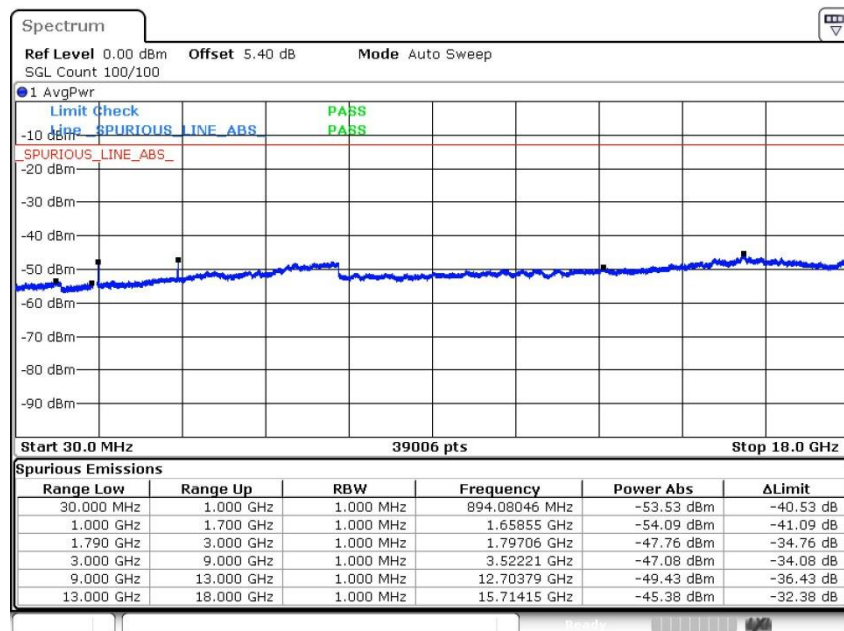
Date: 22.JAN.2021 01:46:10

Middle Channel / QPSK



Date: 22.JAN.2021 01:45:15

Highest Channel / QPSK



Date: 22.JAN.2021 01:44:19

**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	0.0015	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0023	
20(Ref.)	Normal Voltage	0.0005	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0006	
-10	Normal Voltage	0.0038	
-20	Normal Voltage	0.0045	
-30	Normal Voltage	0.0017	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0028	
20	Battery End Point	0.0015	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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)
Middle	3741	-53.40	-13	-40.40	-65.66	2.64	14.90	H
	5613	-51.00	-13	-38.00	-62.86	2.94	14.80	H
	7488	-49.37	-13	-36.37	-59.14	3.39	13.16	H
	3741	-53.39	-13	-40.39	-65.65	2.64	14.90	V
	5613	-50.83	-13	-37.83	-62.69	2.94	14.80	V
	7488	-49.25	-13	-36.25	-59.02	3.39	13.16	V

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

LTE Band 5 / 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)
Middle	1664	-61.50	-13	-48.50	-68.47	1.58	10.70	H
	2496	-57.26	-13	-44.26	-65.51	2.102	12.50	H
	3330	-57.50	-13	-44.50	-66.39	2.856	13.90	H
	1664	-61.43	-13	-48.43	-68.40	1.58	10.70	V
	2496	-56.51	-13	-43.51	-64.76	2.10	12.50	V
	3330	-57.12	-13	-44.12	-66.01	2.86	13.90	V

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

LTE Band 7 / 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)
Middle	5052	-52.61	-25	-27.61	-62.82	3.03	13.24	H
	7580	-60.90	-25	-35.90	-70.35	3.56	13.01	H
	10100	-53.52	-25	-28.52	-63.04	3.92	13.44	H
	12630	-43.02	-25	-18.02	-52.94	4.44	14.36	H
	15160	-54.20	-25	-29.20	-64.57	4.77	15.14	H
	5052	-58.99	-25	-33.99	-69.20	3.03	13.24	V
	7580	-63.42	-25	-38.42	-72.87	3.56	13.01	V
	10100	-56.53	-25	-31.53	-66.05	3.92	13.44	V
	12630	-53.52	-25	-28.52	-63.44	4.44	14.36	V
	15160	-52.93	-25	-27.93	-63.30	4.77	15.14	V

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

LTE Band 12 / 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)
Middle	1406	-67.21	-13	-54.21	-74.18	1.58	10.70	H
	2110	-61.48	-13	-48.48	-69.73	2.10	12.50	H
	2812	-59.00	-13	-46.00	-67.89	2.86	13.90	H
	3516	-58.40	-13	-45.40	-68.36	3.46	15.57	H
	1406	-66.97	-13	-53.97	-73.94	1.58	10.70	V
	2110	-59.70	-13	-46.70	-67.95	2.10	12.50	V
	2812	-58.40	-13	-45.40	-67.29	2.86	13.90	V
	3516	-57.83	-13	-44.83	-67.79	3.46	15.57	V

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

LTE Band 13 / 5MHz / 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)
Middle	1560	-65.34	-42.15	-23.19	-67.97	1.09	5.87	H
	2340	-60.37	-13	-47.37	-62.77	1.37	5.92	H
	3120	-58.63	-13	-45.63	-62.52	1.64	7.68	H
	1560	-60.13	-42.15	-17.98	-62.76	1.09	5.87	V
	2340	-59.29	-13	-46.29	-61.69	1.37	5.92	V
	3120	-58.18	-13	-45.18	-62.07	1.64	7.68	V

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

LTE Band 13 / 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)
Middle	1556	-65.48	-13	-52.48	-68.11	1.09	5.87	H
	2332	-60.35	-13	-47.35	-62.75	1.37	5.92	H
	3108	-58.66	-13	-45.66	-62.55	1.64	7.68	H
	1556	-65.26	-13	-52.26	-67.89	1.09	5.87	V
	2332	-59.17	-13	-46.17	-61.57	1.37	5.92	V
	3108	-58.36	-13	-45.36	-62.25	1.64	7.68	V

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

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)
Middle	3471	-56.74	-13	-43.74	-67.48	2.604	13.34	H
	5208	-51.28	-13	-38.28	-61.79	3.011	13.52	H
	6948	-48.99	-13	-35.99	-59.19	3.271	13.47	H
	8676	-44.36	-13	-31.36	-51.33	5.527	12.5	H
	3471	-56.04	-13	-43.04	-66.78	2.604	13.34	V
	5208	-51.10	-13	-38.10	-61.61	3.011	13.52	V
	6948	-48.79	-13	-35.79	-58.99	3.271	13.47	V
	8676	-45.89	-13	-32.89	-52.86	5.527	12.50	V

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