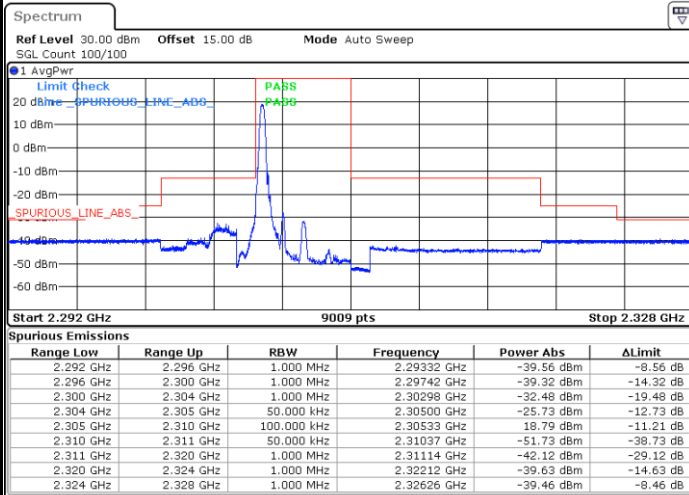




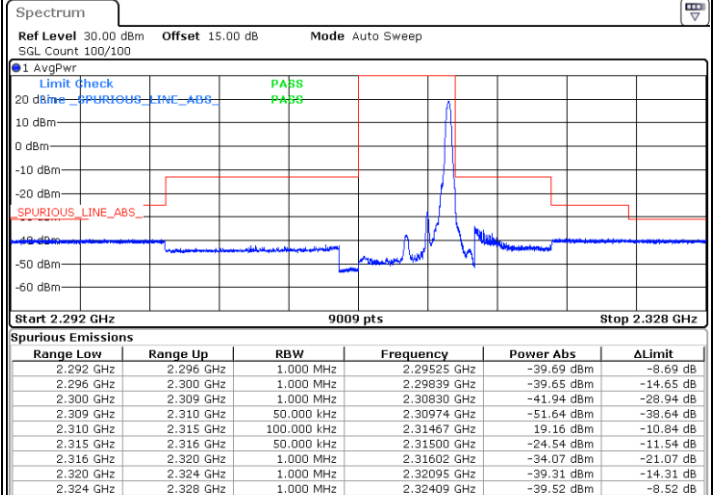
LTE Band 30 / 5MHz / 64QAM

Lowest Band Edge / 1RB



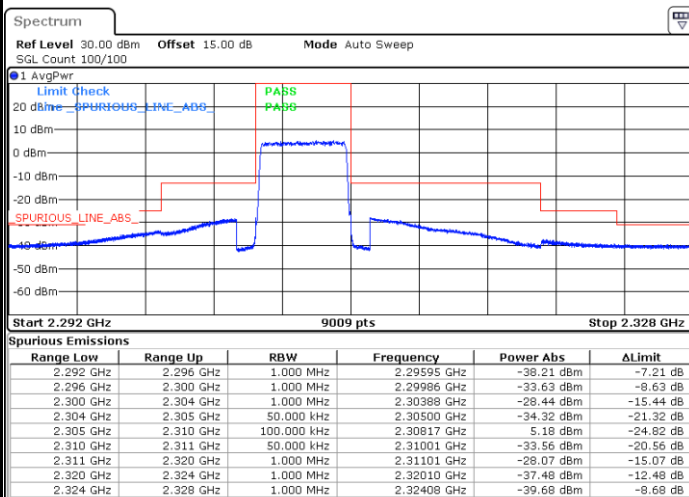
Date: 21.JUL.2019 03:51:21

Highest Band Edge / 1 RB



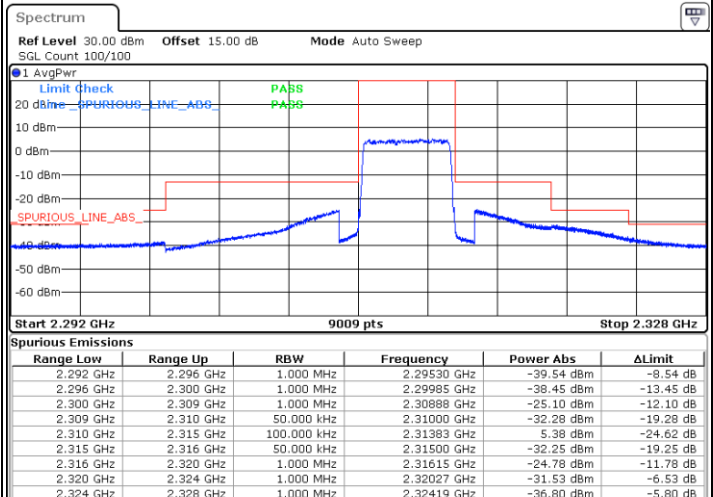
Date: 21.JUL.2019 03:54:28

Lowest Band Edge / Full RB



Date: 21.JUL.2019 03:52:33

Highest Band Edge / Full RB

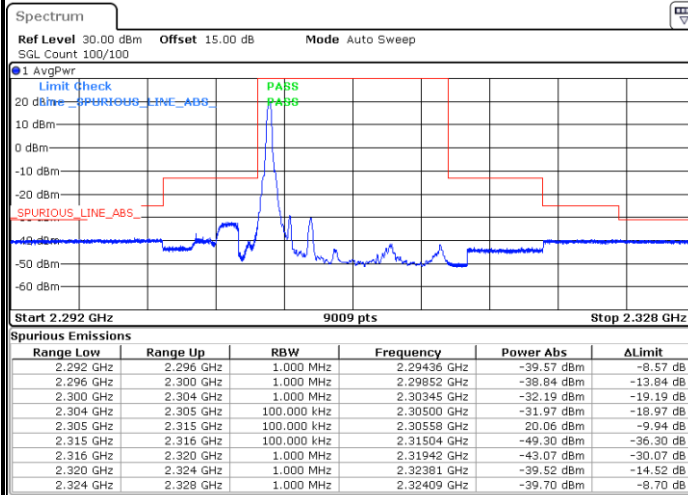


Date: 21.JUL.2019 03:55:40



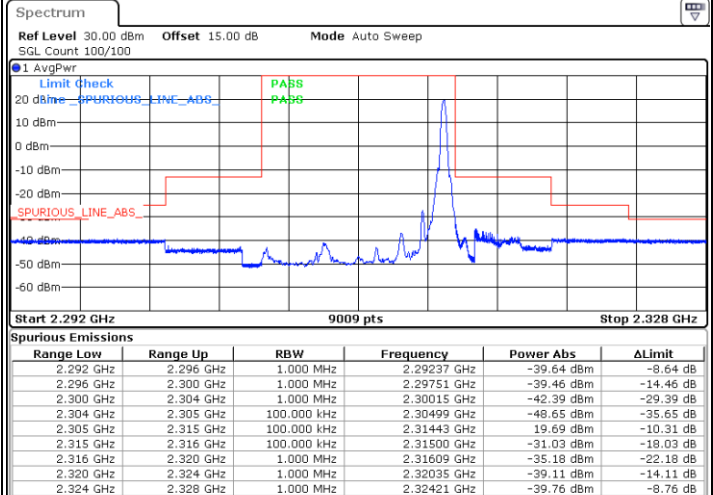
LTE Band 30 / 10MHz / QPSK

Lowest Band Edge / 1 RB



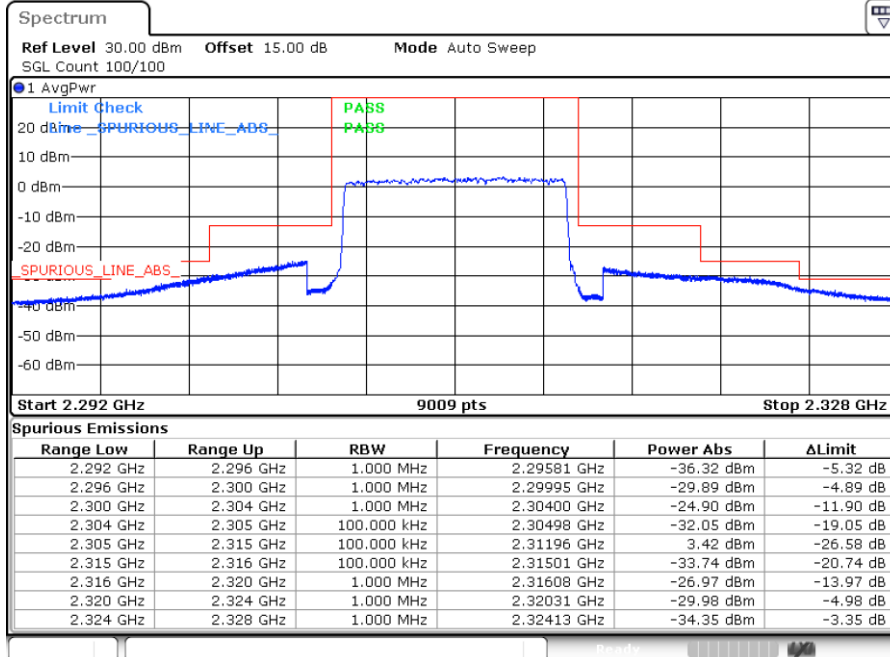
Date: 21.JUL.2019 03:29:21

Highest Band Edge / 1 RB



Date: 21.JUL.2019 03:24:33

Band Edge / Full RB

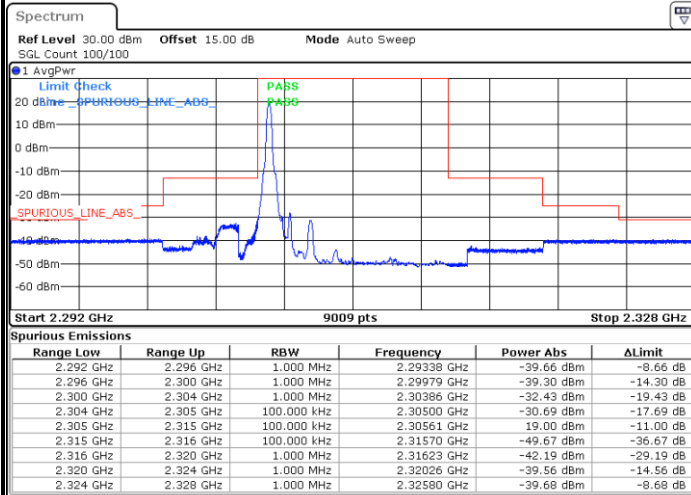


Date: 21.JUL.2019 03:26:57



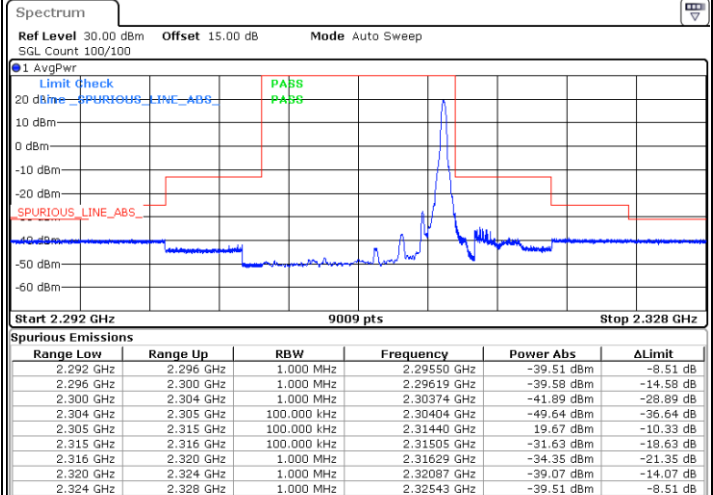
LTE Band 30 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



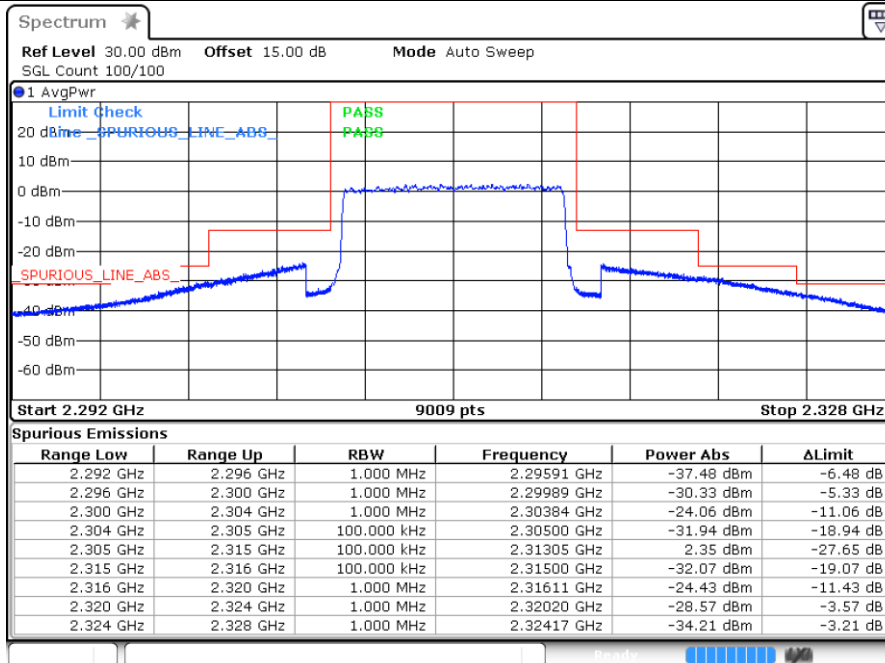
Date: 21.JUL.2019 03:30:32

Highest Band Edge / 1 RB



Date: 21.JUL.2019 03:25:45

Band Edge / Full RB

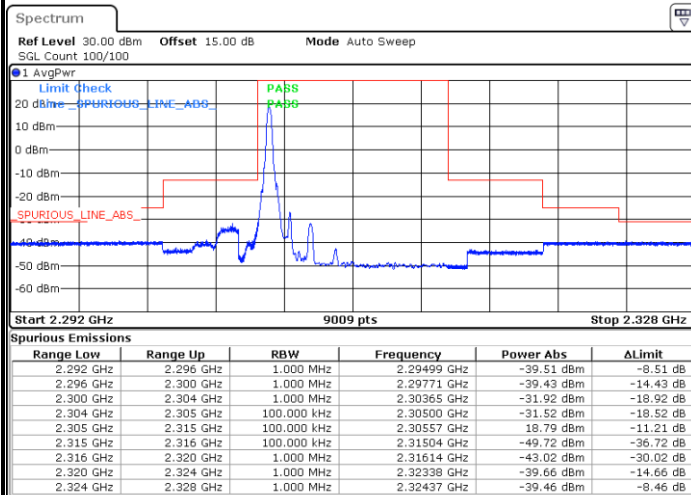


Date: 31.JUL.2019 15:54:05



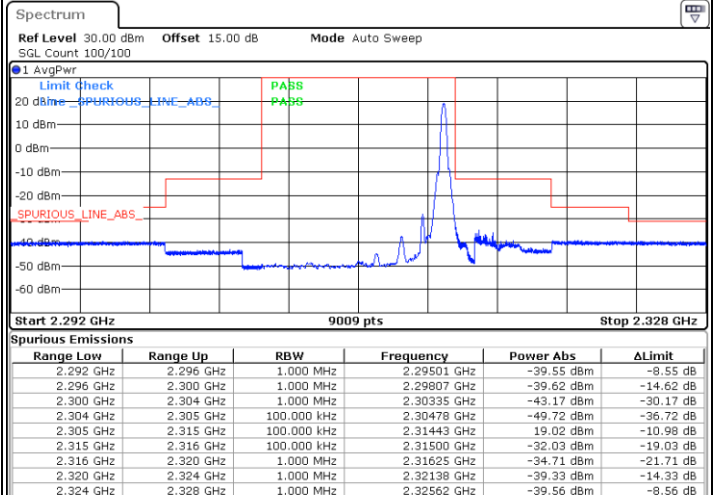
LTE Band 30 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



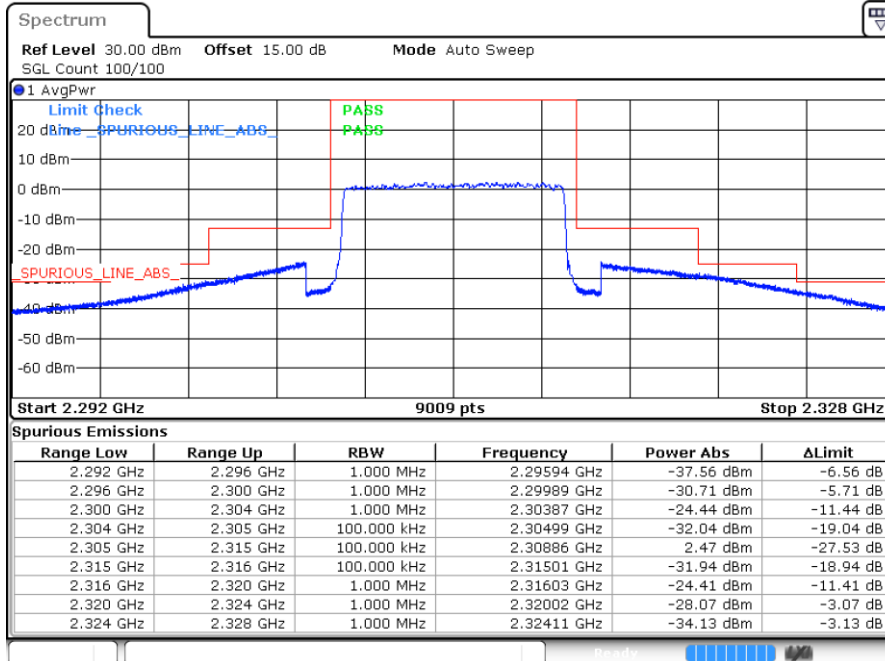
Date: 21.JUL.2019 03:57:13

Highest Band Edge / 1 RB



Date: 21.JUL.2019 03:59:37

Band Edge / Full RB



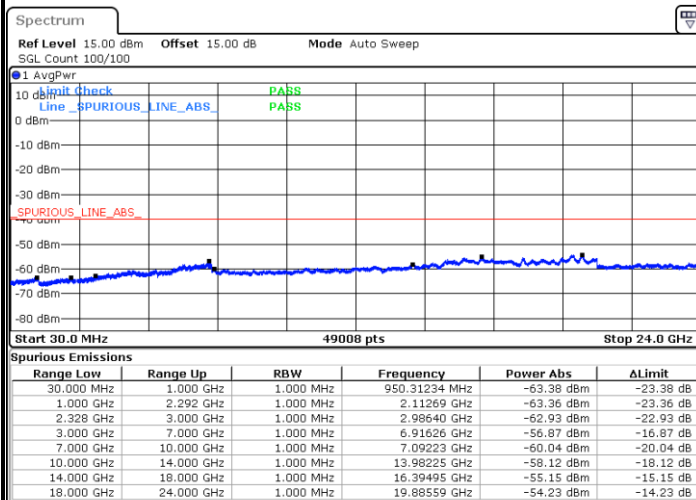
Date: 31.JUL.2019 15:54:38



Conducted Spurious Emission

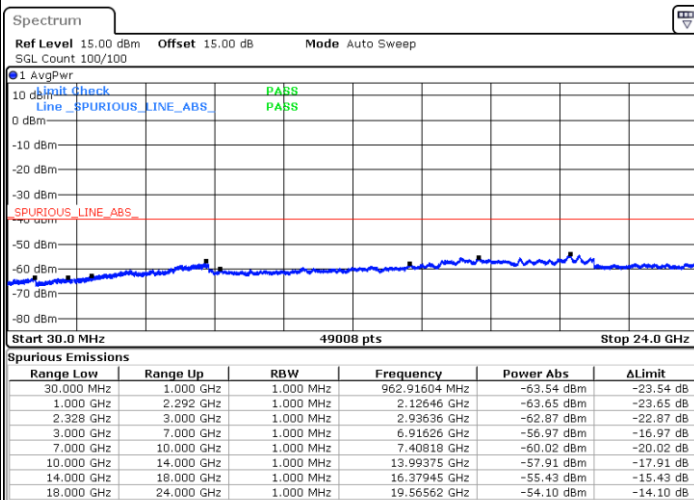
LTE Band 30 / 5MHz

Lowest Channel / QPSK



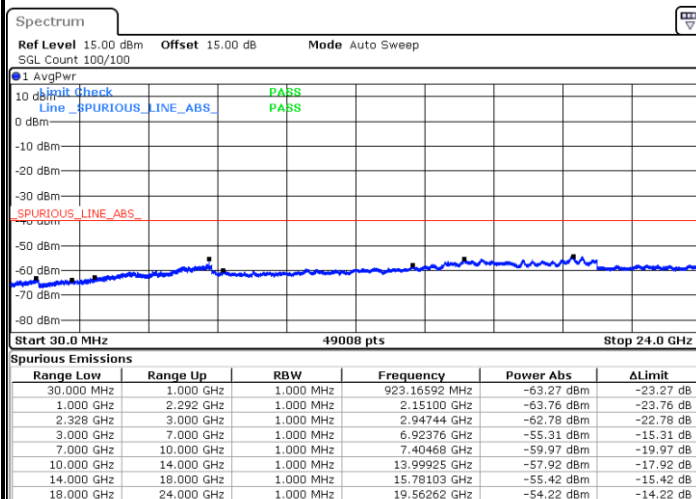
Date: 23 JUL 2019 09:49:17

Lowest Channel / 16QAM



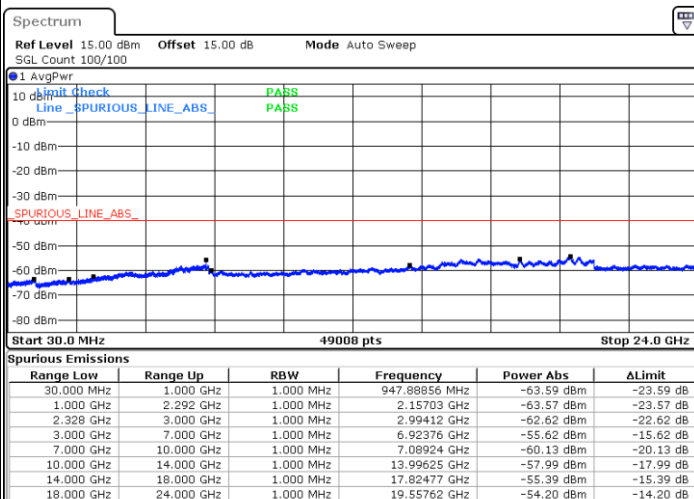
Date: 23 JUL 2019 09:50:10

Middle Channel / QPSK



Date: 23 JUL 2019 09:51:02

Middle Channel / 16QAM

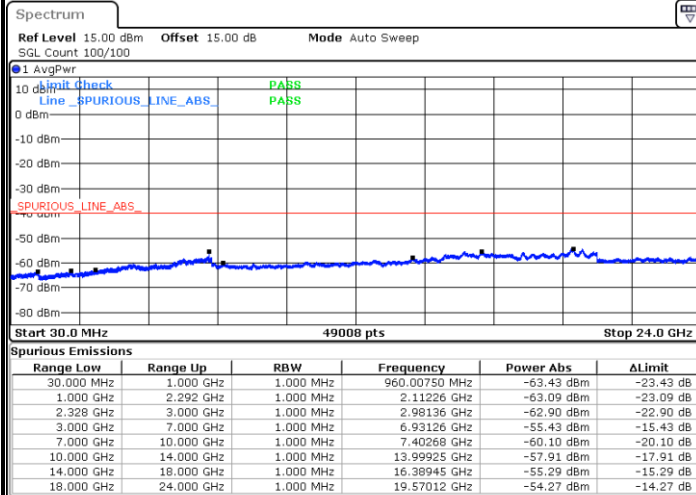


Date: 23 JUL 2019 09:51:55



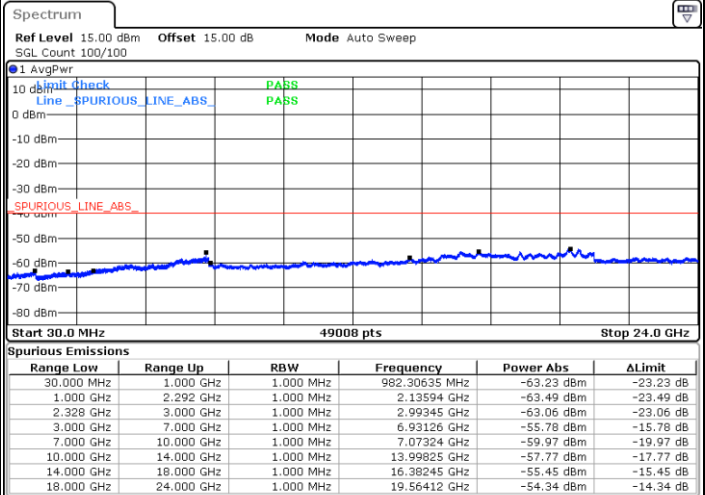
LTE Band 30 / 5MHz

Highest Channel / QPSK



Date: 23 JUL 2019 09:52:48

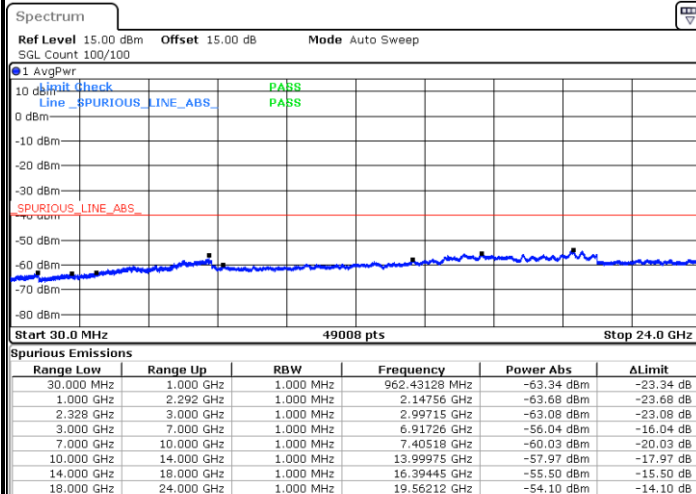
Highest Channel / 16QAM



Date: 23 JUL 2019 09:53:40

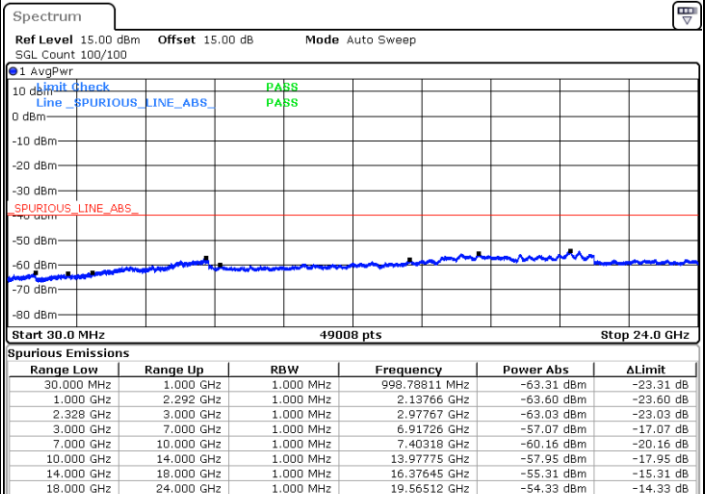
LTE Band 30 / 10MHz

Middle Channel / QPSK



Date: 23 JUL 2019 09:54:33

Middle Channel / 16QAM

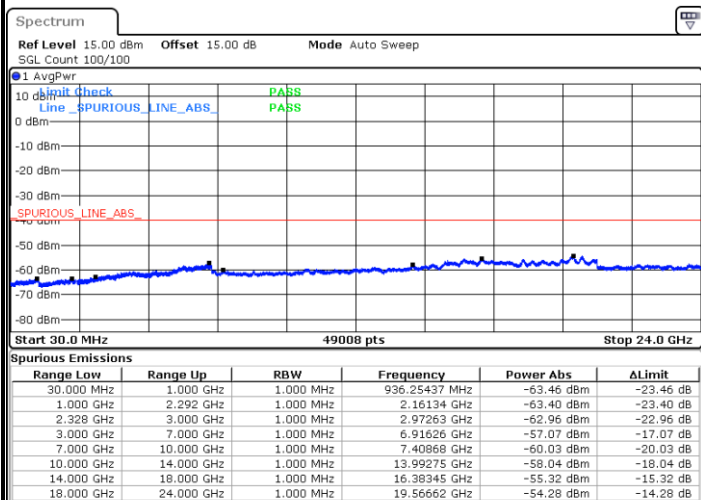


Date: 23 JUL 2019 09:55:25



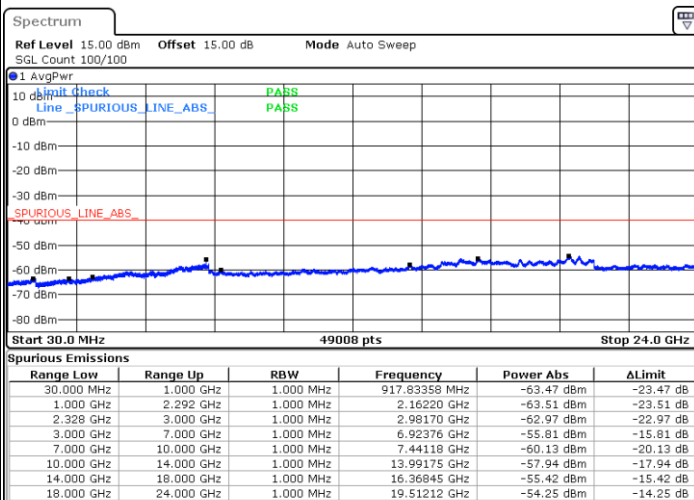
LTE Band 30 / 5MHz

Lowest Channel / 64QAM



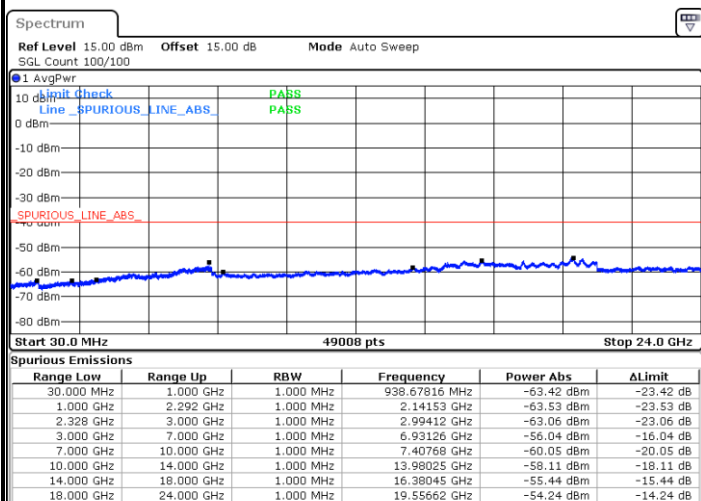
Date: 23 JUL 2019 09:59:13

Middle Channel / 64QAM



Date: 23 JUL 2019 10:00:05

Highest Channel / 64QAM

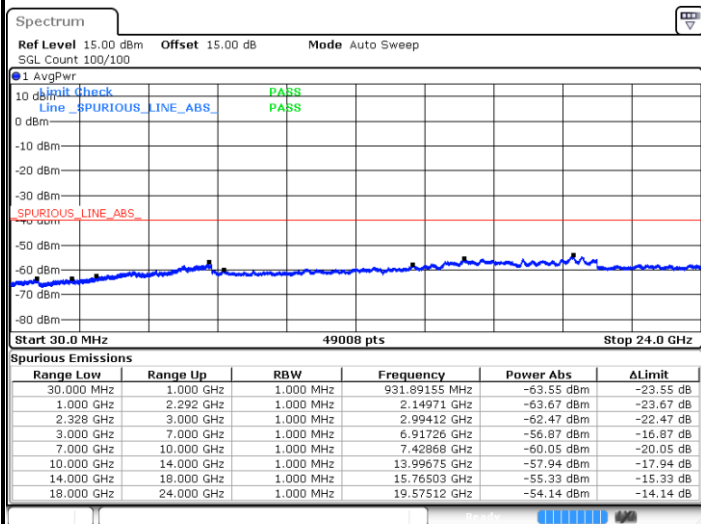


Date: 23 JUL 2019 10:00:58



LTE Band 30 / 10MHz

Middle Channel / 64QAM



Date: 23 JUL 2019 10:01:51

Frequency Stability

Test Conditions		LTE Band 30 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0002	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 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

Top Antenna:

LTE Band 30 / 5MHz / QPSK / RB Size 1 Offset 0									
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	4610.50	-61.65	-40	-21.65	-57.07	-67.90	6.30	12.55	H
	6915.75	-50.19	-40	-10.19	-49.57	-53.59	8.25	11.65	H
	9221.00	-55.21	-40	-15.21	-59.26	-57.56	9.50	11.85	H
	4610.50	-61.68	-40	-21.68	-57.16	-67.93	6.30	12.55	V
	6915.75	-57.54	-40	-17.54	-57.06	-60.94	8.25	11.65	V
	9221.00	-56.78	-40	-16.78	-59.56	-59.13	9.50	11.85	V
Middle	4615.50	-61.47	-40	-21.47	-56.92	-67.72	6.45	12.70	H
	6923.25	-50.32	-40	-10.32	-49.70	-53.72	8.40	11.80	H
	9231.00	-53.46	-40	-13.46	-57.51	-55.81	9.65	12.00	H
	4615.50	-61.00	-40	-21.00	-56.52	-67.25	6.45	12.70	V
	6923.25	-57.95	-40	-17.95	-57.47	-61.35	8.40	11.80	V
	9231.00	-56.48	-40	-16.48	-59.26	-58.83	9.65	12.00	V
Highest	4620.50	-61.76	-40	-21.76	-57.21	-68.01	6.61	12.86	H
	6930.75	-48.12	-40	-8.12	-47.57	-51.50	8.56	11.94	H
	9241.00	-54.27	-40	-14.27	-58.32	-56.62	9.81	12.16	H
	4620.50	-61.12	-40	-21.12	-56.64	-67.37	6.61	12.86	V
	6930.75	-56.34	-40	-16.34	-55.9	-59.72	8.56	11.94	V
	9241.00	-56.95	-40	-16.95	-59.73	-59.30	9.81	12.16	V

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

LTE Band 30 / 10MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	4611.00	-61.44	-40	-21.44	-56.86	-67.69	6.45	12.70	H
	6916.50	-50.53	-40	-10.53	-49.91	-53.93	8.40	11.80	H
	9222.00	-54.26	-40	-14.26	-58.31	-56.61	9.65	12.00	H
	4611.00	-61.67	-40	-21.67	-57.15	-67.92	6.45	12.70	V
	6916.50	-58.55	-40	-18.55	-58.07	-61.95	8.40	11.80	V
	9222.00	-57.08	-40	-17.08	-59.86	-59.43	9.65	12.00	V

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

Bottom Antenna:

LTE Band 30 / 5MHz / QPSK / RB Size 1 Offset 0									
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	4610.50	-60.68	-40	-20.68	-56.10	-66.93	6.30	12.55	H
	6915.75	-53.18	-40	-13.18	-52.56	-56.58	8.25	11.65	H
	9221.00	-55.35	-40	-15.35	-59.40	-57.70	9.50	11.85	H
	4610.50	-60.44	-40	-20.44	-55.92	-66.69	6.30	12.55	V
	6915.75	-48.97	-40	-8.97	-48.49	-52.37	8.25	11.65	V
	9221.00	-56.86	-40	-16.86	-59.64	-59.21	9.50	11.85	V
Middle	4615.50	-60.38	-40	-20.38	-55.83	-66.63	6.45	12.70	H
	6923.25	-52.63	-40	-12.63	-52.01	-56.03	8.40	11.80	H
	9231.00	-55.54	-40	-15.54	-59.59	-57.89	9.65	12.00	H
	4615.50	-61.35	-40	-21.35	-56.87	-67.60	6.45	12.70	V
	6923.25	-49.03	-40	-9.03	-48.55	-52.43	8.40	11.80	V
	9231.00	-56.39	-40	-16.39	-59.17	-58.74	9.65	12.00	V
Highest	4620.50	-60.46	-40	-20.46	-55.91	-66.71	6.61	12.86	H
	6930.75	-54.84	-40	-14.84	-54.29	-58.22	8.56	11.94	H
	9241.00	-55.51	-40	-15.51	-59.56	-57.86	9.81	12.16	H
	4620.50	-61.38	-40	-21.38	-56.9	-67.63	6.61	12.86	V
	6930.75	-49.30	-40	-9.30	-48.86	-52.68	8.56	11.94	V
	9241.00	-56.66	-40	-16.66	-59.44	-59.01	9.81	12.16	V

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

LTE Band 30 / 10MHz / QPSK / RB Size 1 Offset 0									
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)
Middle	4611.00	-60.88	-40	-20.88	-56.30	-67.13	6.45	12.70	H
	6916.50	-54.54	-40	-14.54	-53.92	-57.94	8.40	11.80	H
	9222.00	-55.83	-40	-15.83	-59.88	-58.18	9.65	12.00	H
	4611.00	-61.24	-40	-21.24	-56.72	-67.49	6.45	12.70	V
	6916.50	-52.39	-40	-12.39	-51.91	-55.79	8.40	11.80	V
	9222.00	-56.79	-40	-16.79	-59.57	-59.14	9.65	12.00	V

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