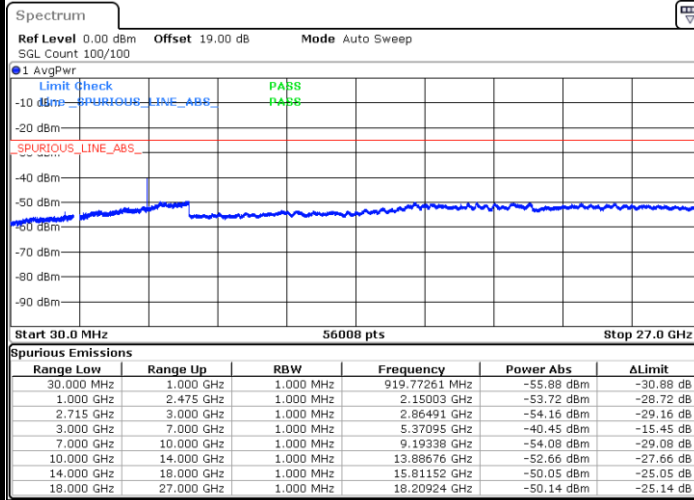




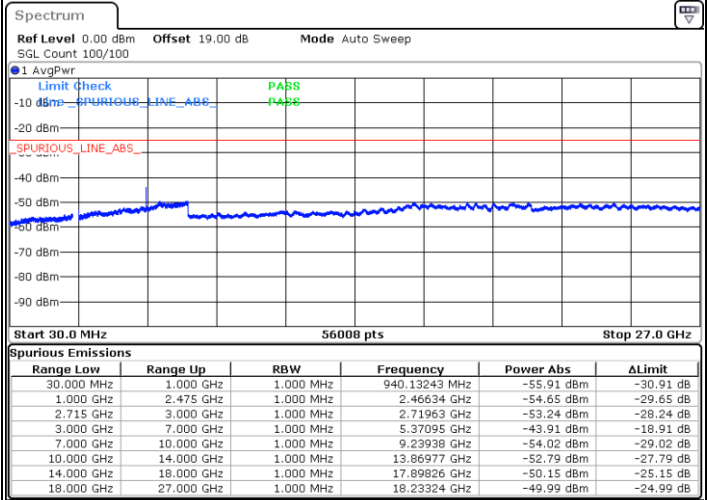
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 13.NOV.2020 10:31:43

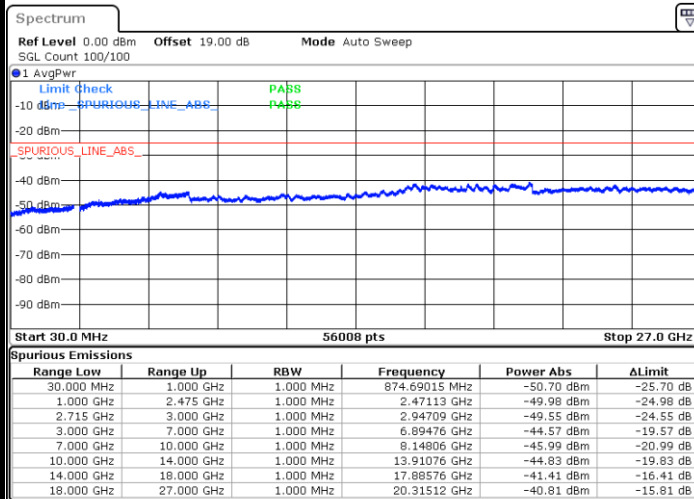
Highest Channel / 16QAM



Date: 13.NOV.2020 10:30:40

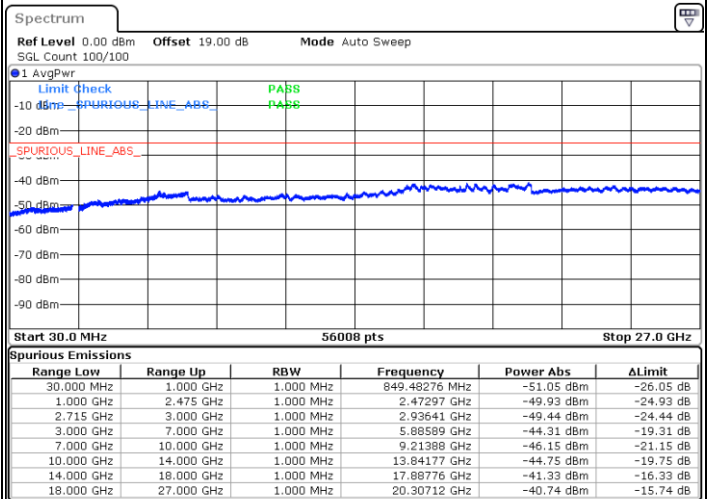
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 13.NOV.2020 10:43:37

Lowest Channel / 16QAM

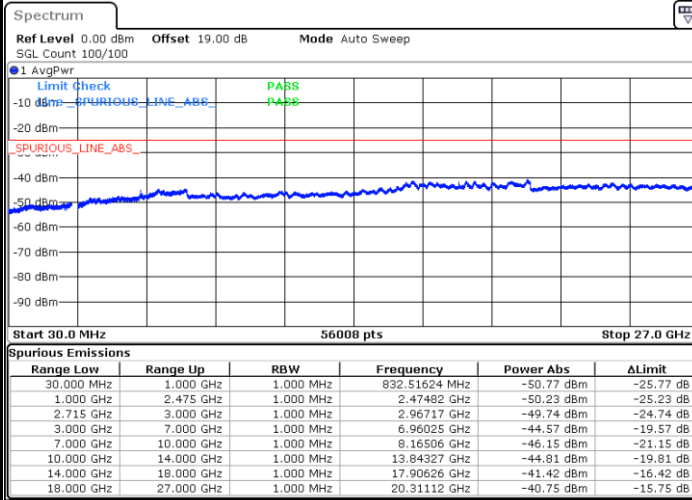


Date: 13.NOV.2020 10:41:40



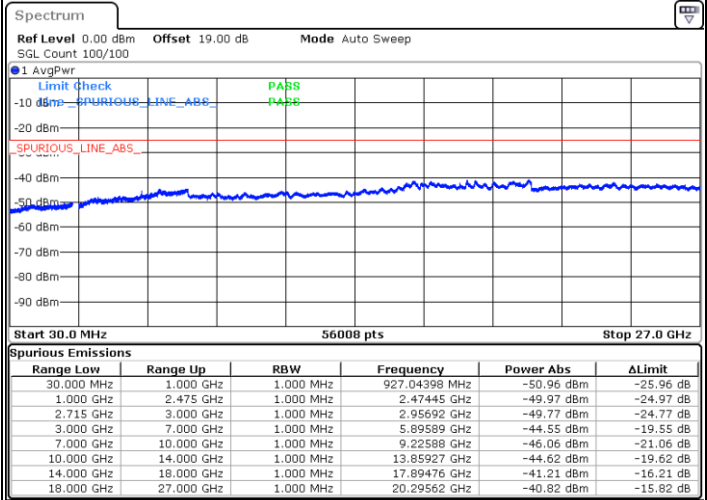
LTE Band 41 / 10MHz

Middle Channel / QPSK



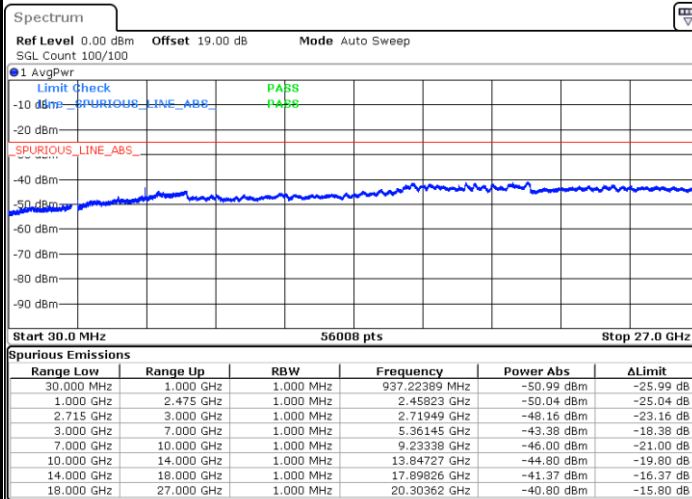
Date: 13.NOV.2020 11:02:09

Middle Channel / 16QAM



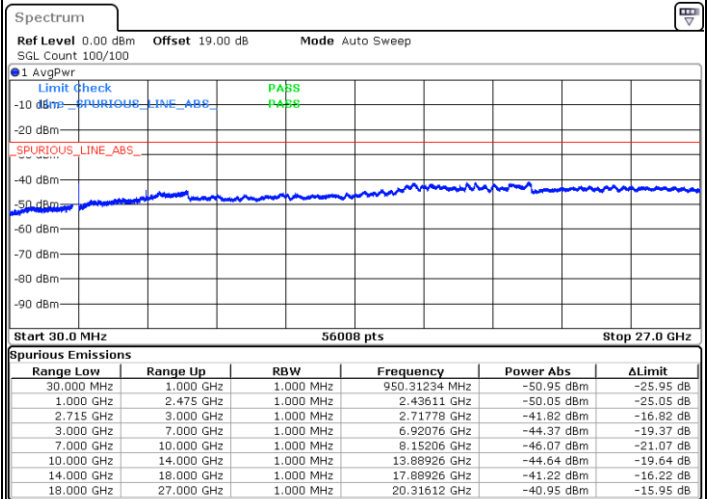
Date: 13.NOV.2020 10:59:57

Highest Channel / QPSK



Date: 13.NOV.2020 11:04:05

Highest Channel / 16QAM

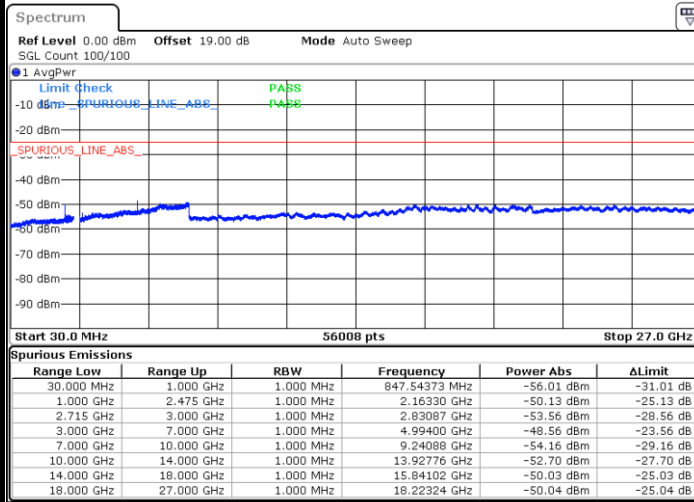


Date: 13.NOV.2020 11:05:06



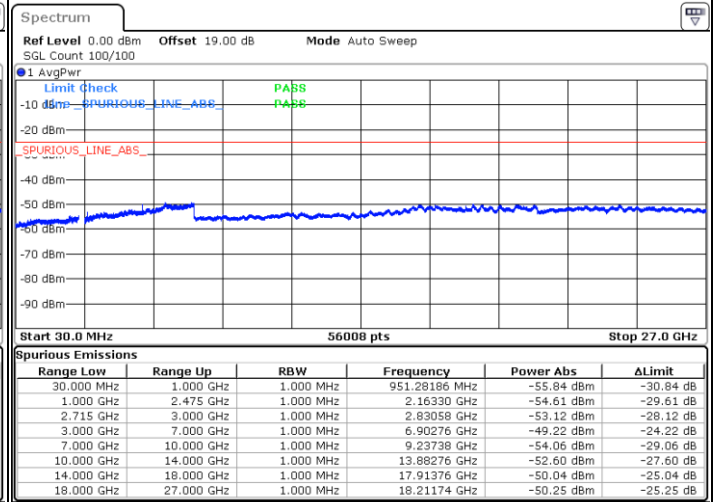
LTE Band 41 / 15MHz

Lowest Channel / QPSK



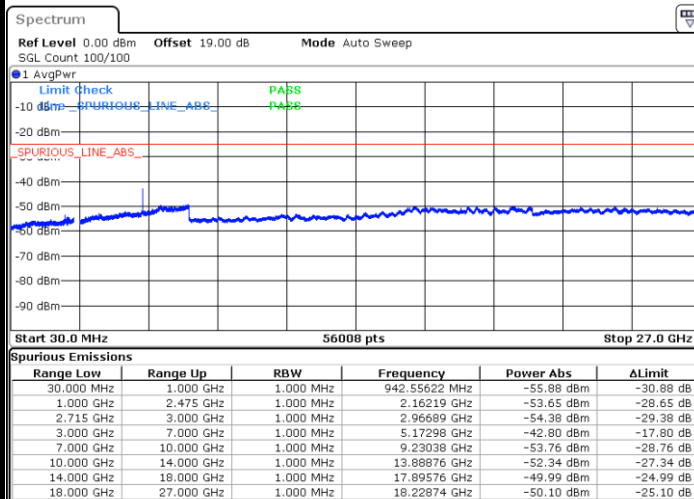
Date: 13.NOV.2020 11:28:37

Lowest Channel / 16QAM



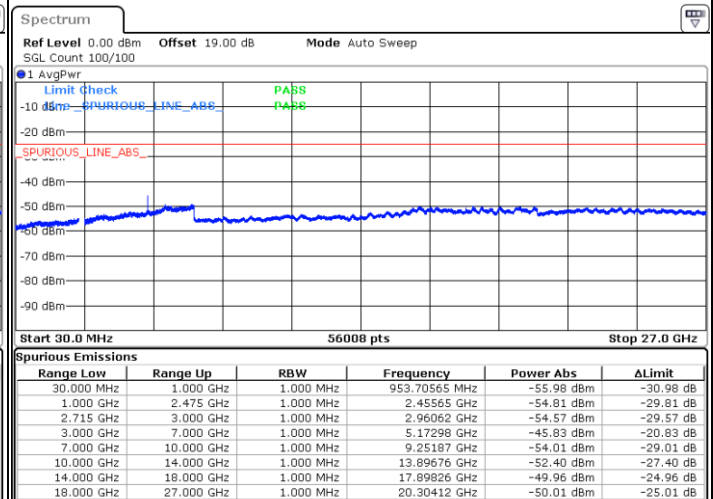
Date: 13.NOV.2020 11:33:07

Middle Channel / QPSK



Date: 13.NOV.2020 11:51:09

Middle Channel / 16QAM

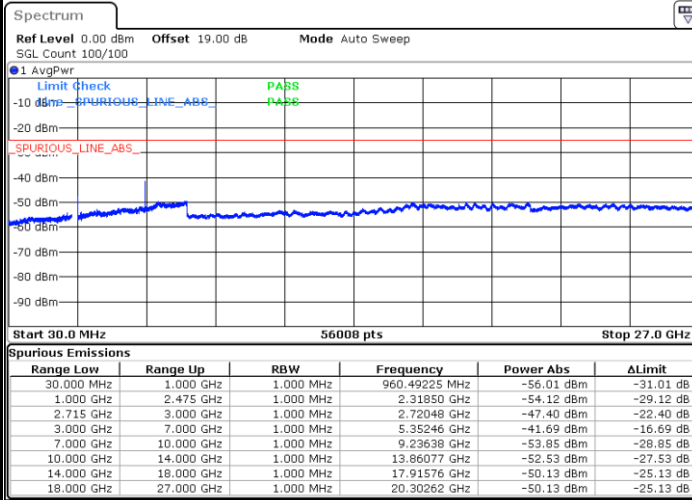


Date: 13.NOV.2020 11:49:50



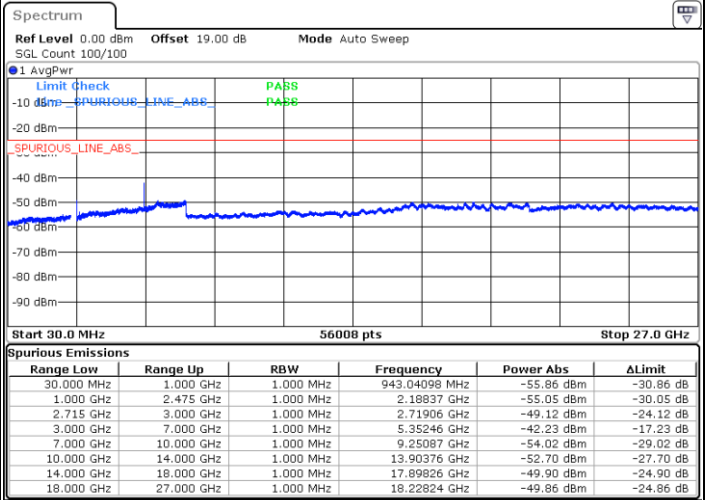
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 13.NOV.2020 13:40:19

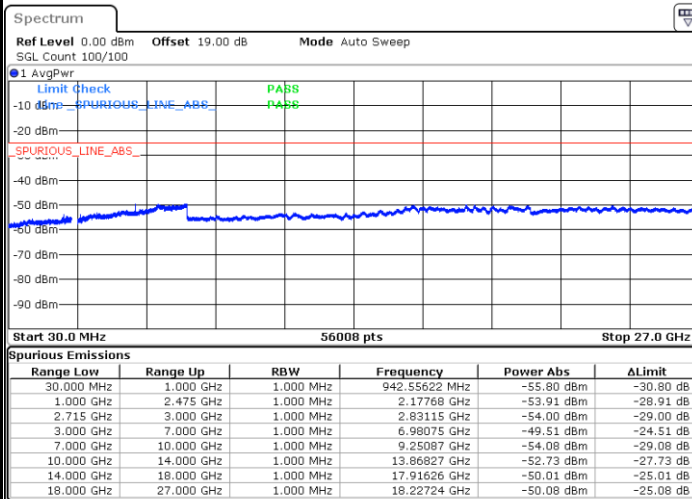
Highest Channel / 16QAM



Date: 13.NOV.2020 13:38:44

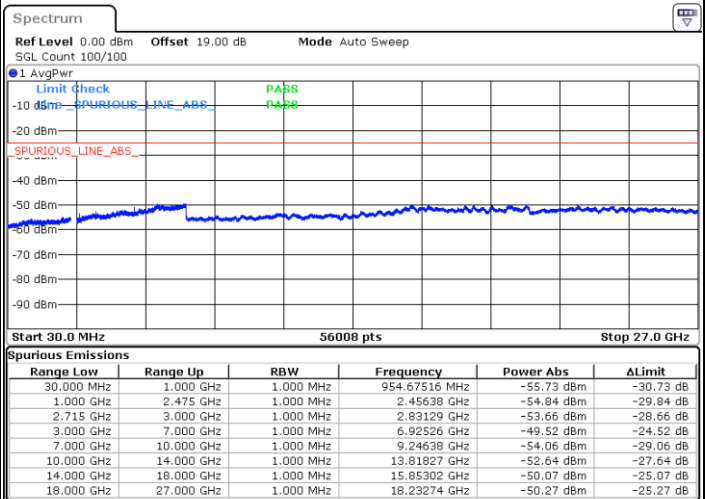
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 13.NOV.2020 13:55:21

Lowest Channel / 16QAM

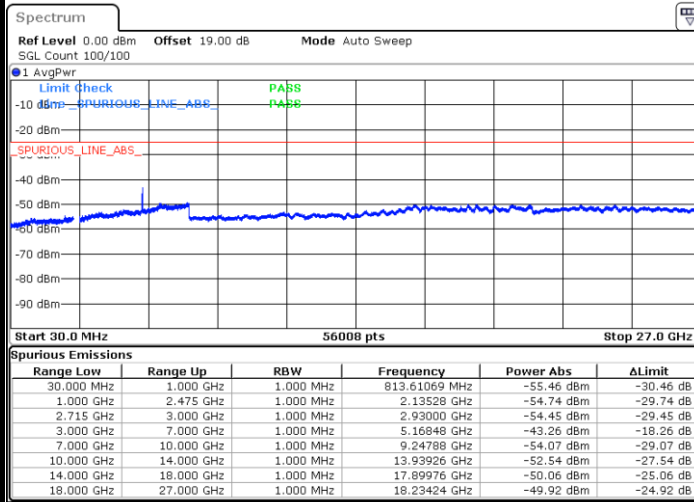


Date: 13.NOV.2020 13:56:50



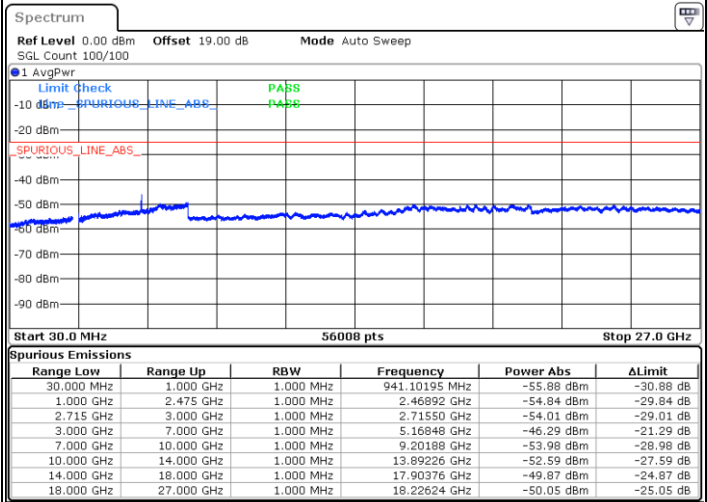
LTE Band 41 / 20MHz

Middle Channel / QPSK



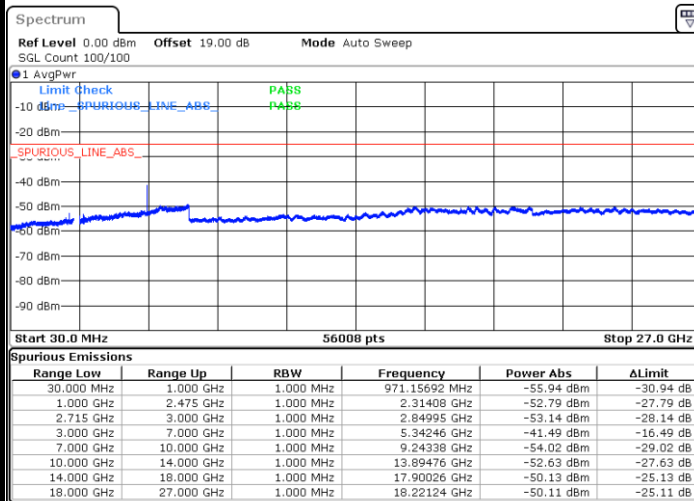
Date: 13.NOV.2020 14:06:38

Middle Channel / 16QAM



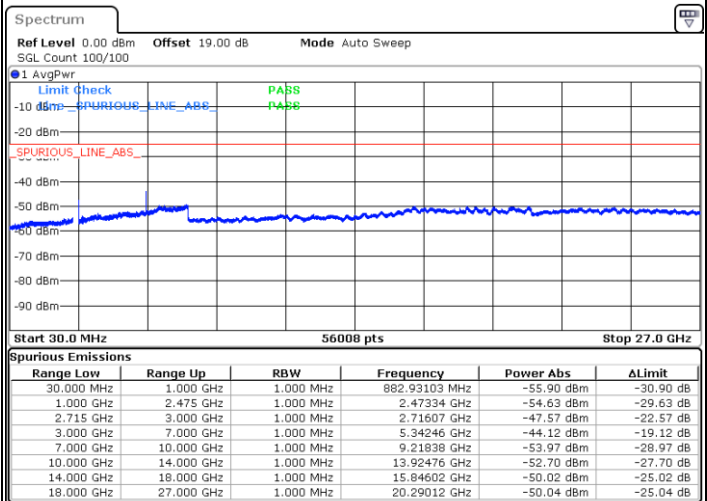
Date: 13.NOV.2020 14:08:02

Highest Channel / QPSK



Date: 13.NOV.2020 14:48:24

Highest Channel / 16QAM

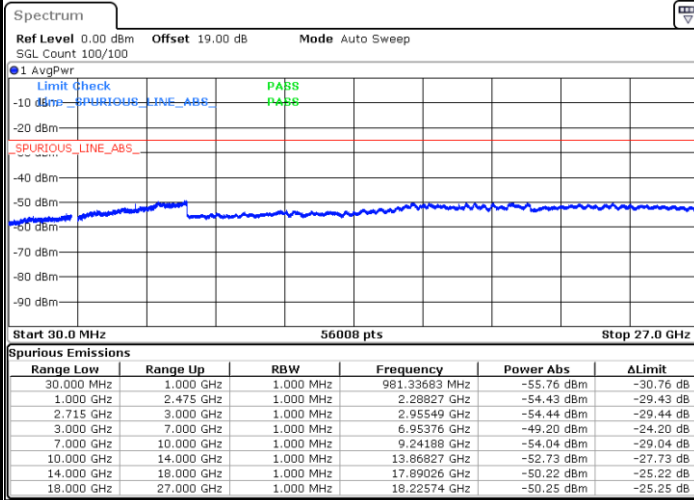


Date: 13.NOV.2020 14:46:53



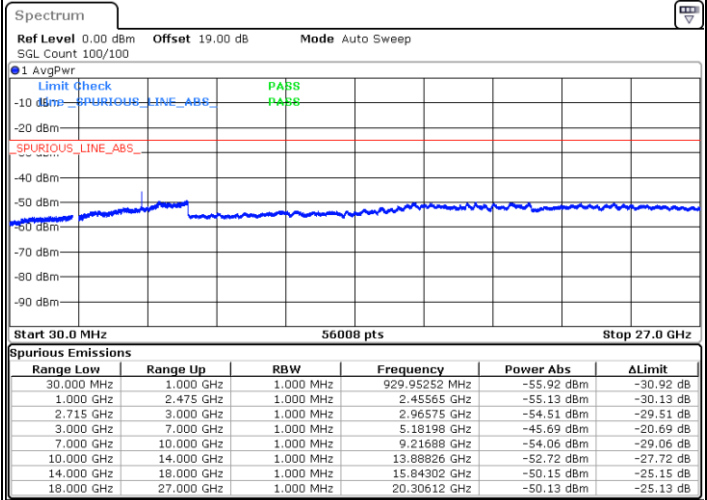
LTE Band 41 / 5MHz

Lowest Channel / 64QAM



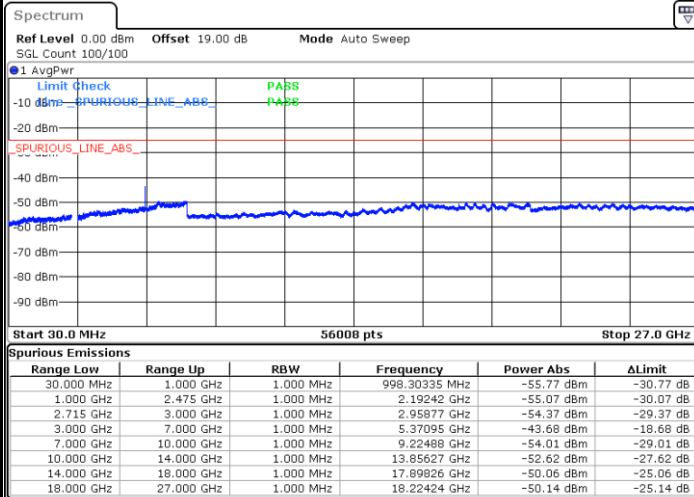
Date: 13.NOV.2020 10:08:51

Middle Channel / 64QAM



Date: 13.NOV.2020 10:22:43

Highest Channel / 64QAM

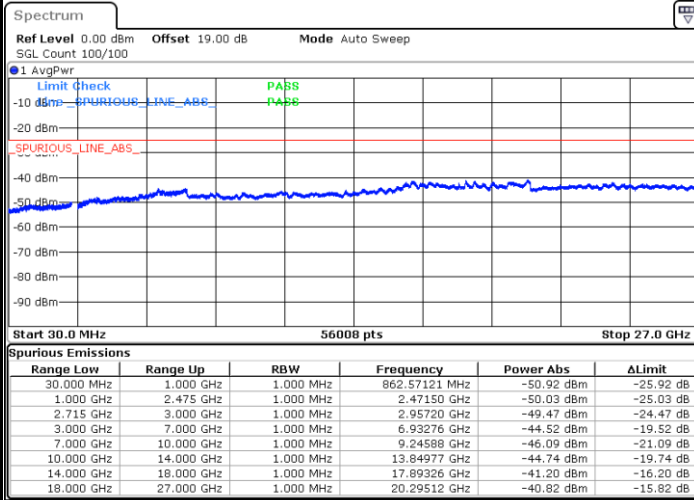


Date: 13.NOV.2020 10:28:50



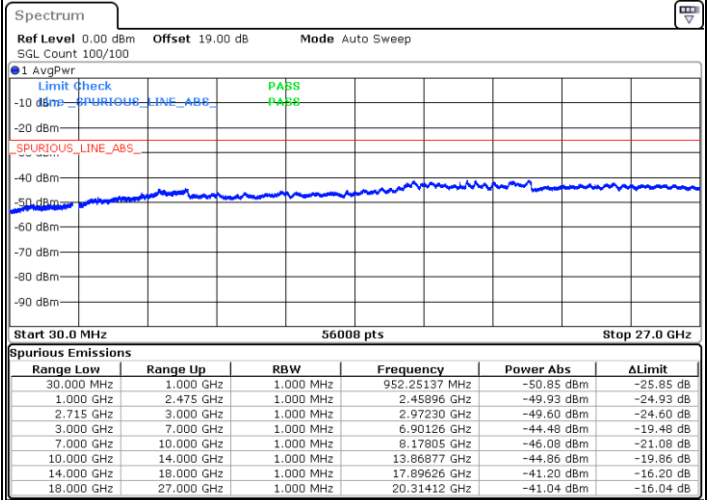
LTE Band 41 / 10MHz

Lowest Channel / 64QAM



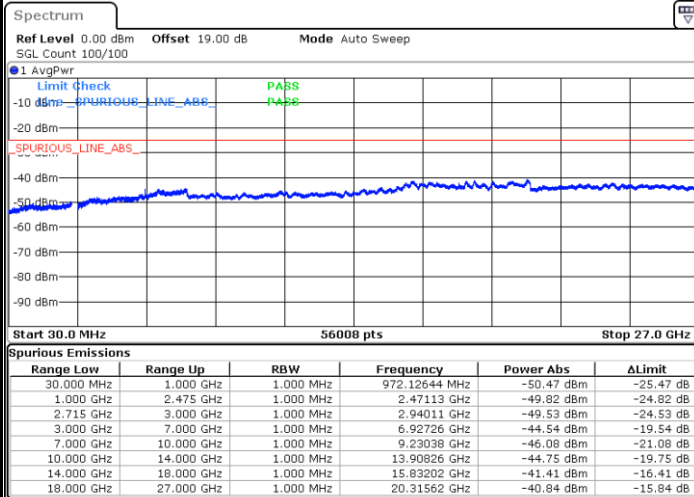
Date: 13.NOV.2020 10:40:33

Middle Channel / 64QAM



Date: 13.NOV.2020 10:58:56

Highest Channel / 64QAM

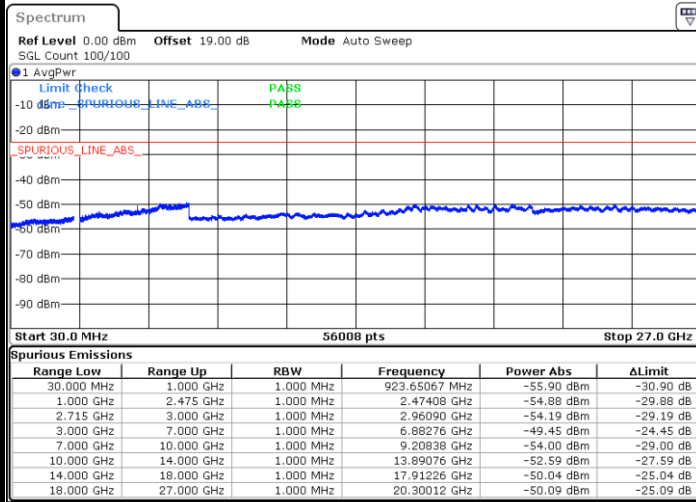


Date: 13.NOV.2020 11:07:17



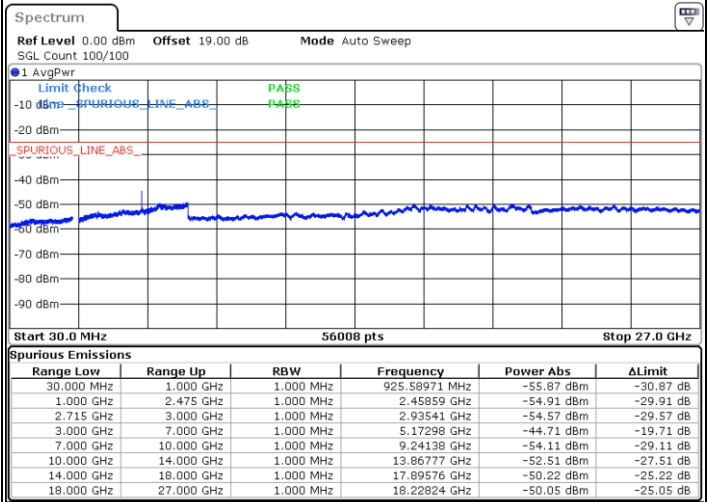
LTE Band 41 / 15MHz

Lowest Channel / 64QAM



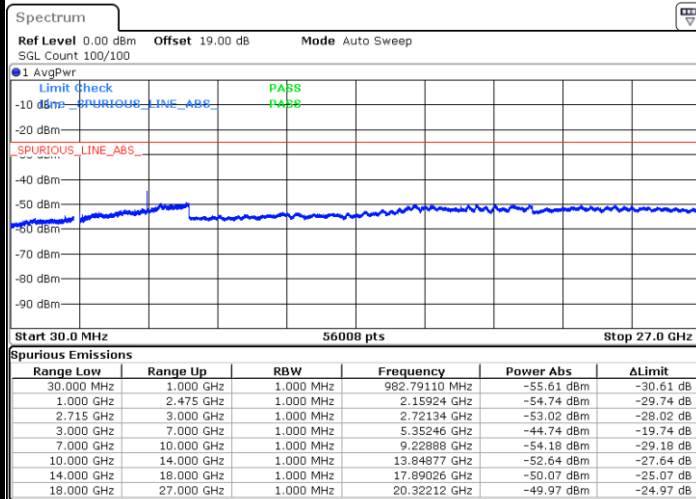
Date: 13.NOV.2020 11:43:00

Middle Channel / 64QAM



Date: 13.NOV.2020 11:46:39

Highest Channel / 64QAM

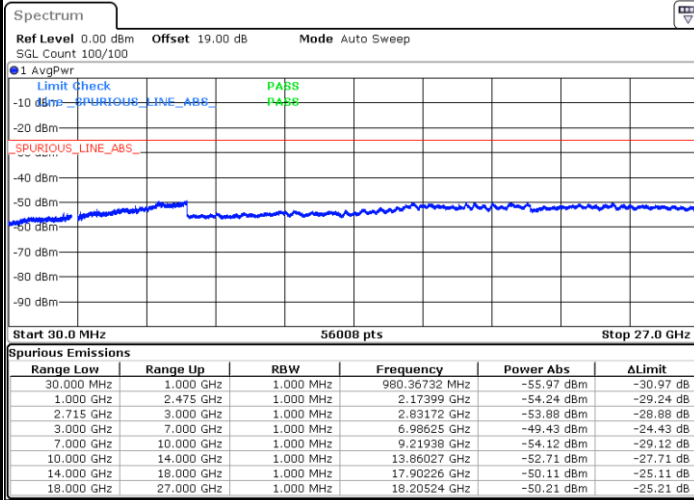


Date: 13.NOV.2020 13:37:38



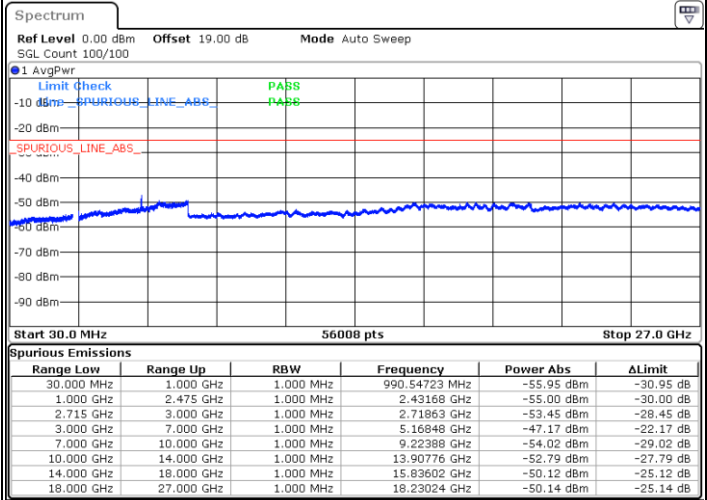
LTE Band 41 / 20MHz

Lowest Channel / 64QAM



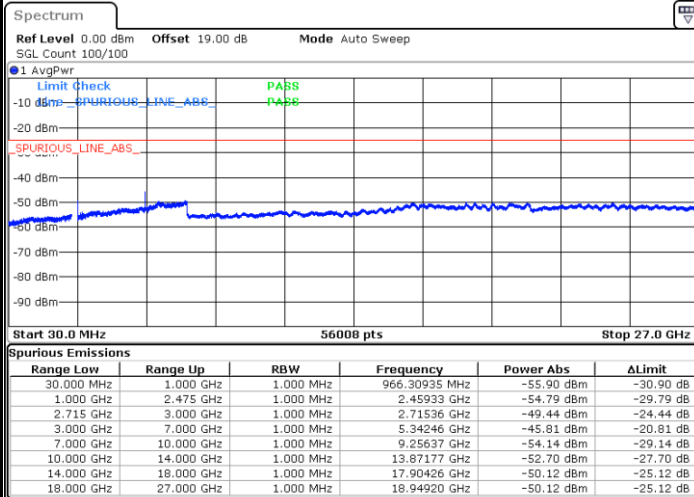
Date: 13.NOV.2020 13:58:10

Middle Channel / 64QAM



Date: 13.NOV.2020 14:09:32

Highest Channel / 64QAM



Date: 13.NOV.2020 14:45:23

Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0014	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0008	

Note:

7. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
8. Note: The frequency fundamental emissions stay within the authorized frequency block.



Radiated Spurious Emission

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)
Middle	3742.18	-54.14	-13	-41.14	-70.31	-60.89	5.85	12.60	H
	5613.27	-58.58	-13	-45.58	-78.20	-64.38	7.30	13.10	H
	7484.36	-53.98	-13	-40.98	-78.60	-57.13	8.35	11.50	H
	3742.18	-52.39	-13	-39.39	-68.18	-59.14	5.85	12.60	V
	5613.27	-59.10	-13	-46.10	-78.2	-64.90	7.30	13.10	V
	7484.36	-53.58	-13	-40.58	-78.59	-56.73	8.35	11.50	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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5052.18	-57.55	-25	-32.55	-77.18	-63.11	7.14	12.70	H
	7578.27	-48.87	-25	-23.87	-73.30	-52.17	8.30	11.60	H
	10104.36	-49.39	-25	-24.39	-78.52	-50.91	10.48	12.00	H
	5052.18	-58.23	-25	-33.23	-77.75	-63.79	7.14	12.70	V
	7578.27	-49.54	-25	-24.54	-74.45	-52.84	8.30	11.60	V
	10104.36	-50.95	-25	-25.95	-78.74	-52.47	10.48	12.00	V

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



LTE Band 26 / 5MHz / 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)
Middle	1668.5	-61.82	-13	-48.82	-69.50	-65.07	4.00	9.40	H
	2502.75	-60.51	-13	-47.51	-72.57	-64.08	4.88	10.60	H
	3337	-61.50	-13	-48.50	-76.28	-66.43	5.52	12.60	H
	1668.5	-54.79	-13	-41.79	-62.64	-58.04	4.00	9.40	V
	2502.75	-61.23	-13	-48.23	-73.40	-64.80	4.88	10.60	V
	3337	-61.76	-13	-48.76	-76.54	-66.69	5.52	12.60	V

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

LTE Band 26 / 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)
Middle	1664	-59.10	-13	-46.10	-66.89	-62.35	4.00	9.40	H
	2496	-61.02	-13	-48.02	-73.08	-64.59	4.88	10.60	H
	3328	-61.57	-13	-48.57	-76.37	-66.50	5.52	12.60	H
	1664	-53.75	-13	-40.75	-61.68	-57.00	4.00	9.40	V
	2496	-61.56	-13	-48.56	-73.71	-65.13	4.88	10.60	V
	3328	-61.60	-13	-48.60	-76.38	-66.53	5.52	12.60	V

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

LTE Band 26 / 15MHz / 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)
Middle	1659.5	-54.98	-13	-41.98	-62.87	-58.21	3.98	9.36	H
	2489.25	-60.37	-13	-47.37	-72.41	-63.92	4.85	10.55	H
	3319	-61.68	-13	-48.68	-76.51	-66.61	5.50	12.58	H
	1659.5	-52.75	-13	-39.75	-60.75	-55.98	3.98	9.36	V
	2489.25	-60.50	-13	-47.50	-72.61	-64.05	4.85	10.55	V
	3319	-61.64	-13	-48.64	-76.43	-66.57	5.50	12.58	V

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



LTE Band 41 / 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)
Middle	5168.18	-57.03	-25	-32.03	-76.72	-62.59	7.14	12.70	H
	7752.27	-46.42	-25	-21.42	-70.45	-49.72	8.30	11.60	H
	10336.36	-49.24	-25	-24.24	-78.45	-50.76	10.48	12.00	H
	5168.18	-58.40	-25	-33.40	-77.77	-63.96	7.14	12.70	V
	7752.27	-46.87	-25	-21.87	-71.54	-50.17	8.30	11.60	V
	10336.36	-50.36	-25	-25.36	-78.57	-51.88	10.48	12.00	V

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