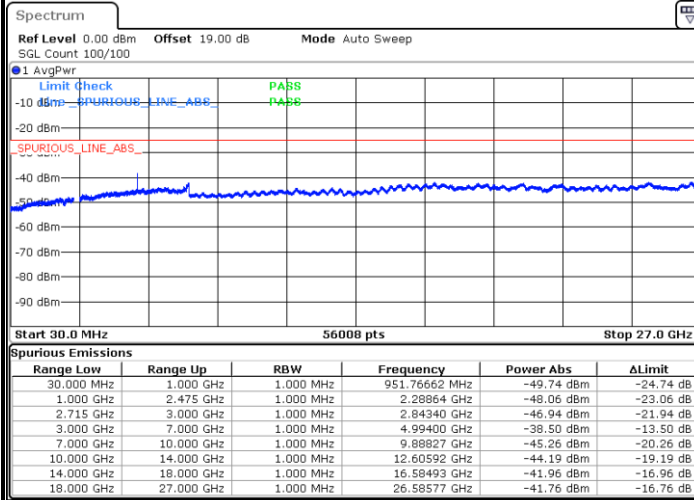




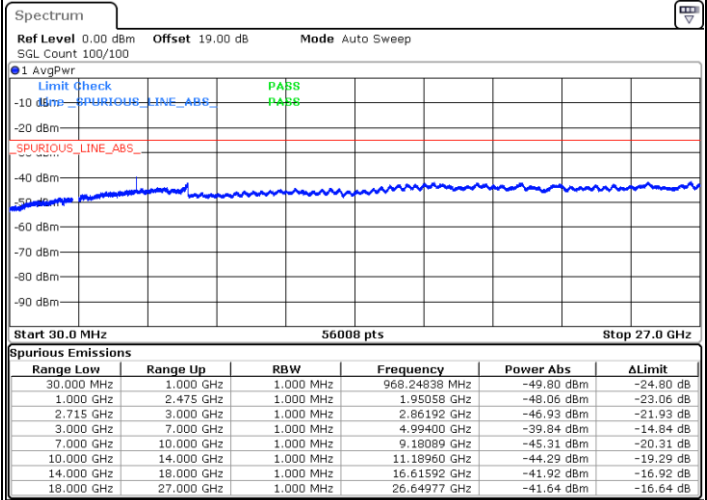
LTE Band 41 / 15MHz

Lowest Channel / QPSK



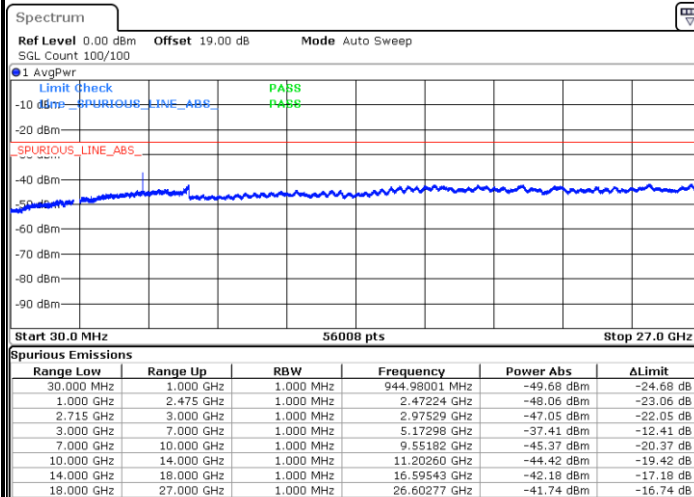
Date: 20.NOV.2020 16:21:13

Lowest Channel / 16QAM



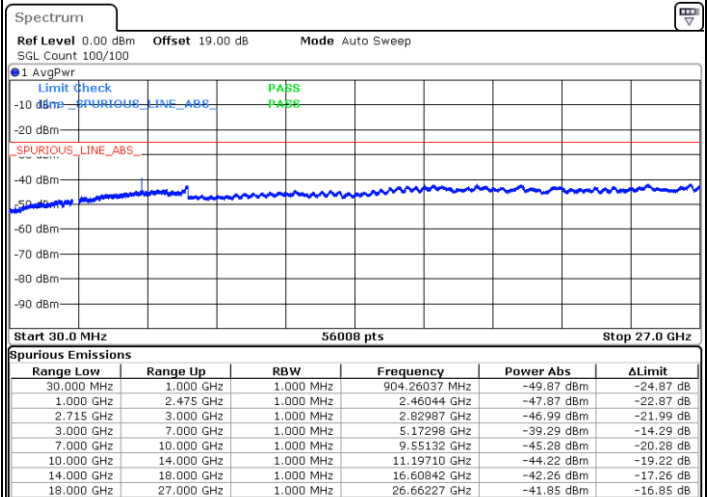
Date: 20.NOV.2020 16:17:31

Middle Channel / QPSK



Date: 20.NOV.2020 16:31:34

Middle Channel / 16QAM

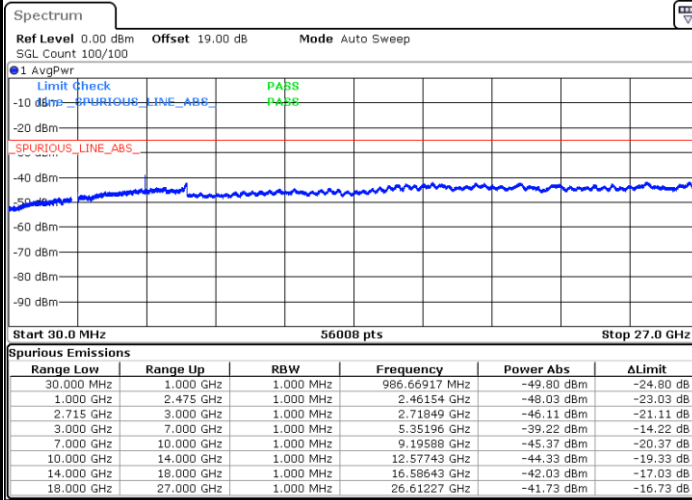


Date: 20.NOV.2020 16:34:06



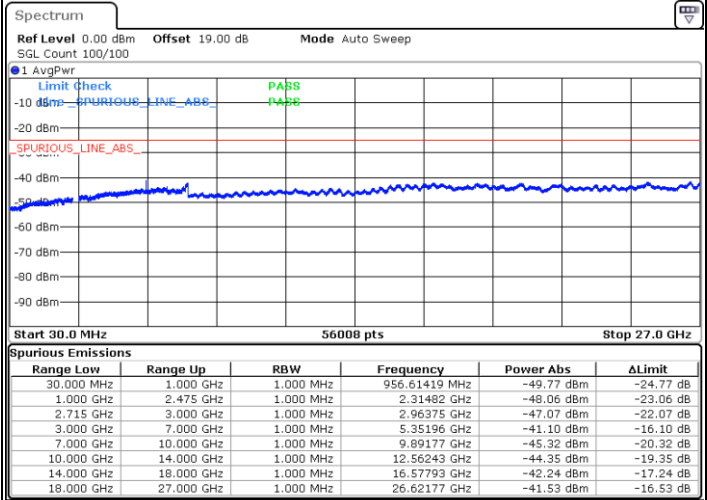
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 20.NOV.2020 16:44:23

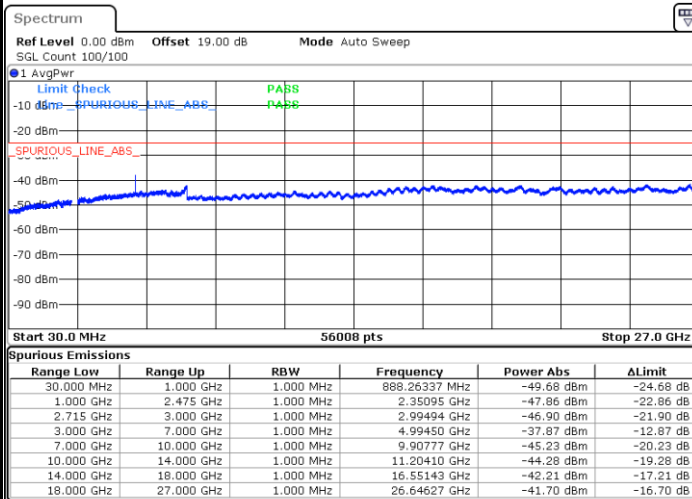
Highest Channel / 16QAM



Date: 20.NOV.2020 16:46:10

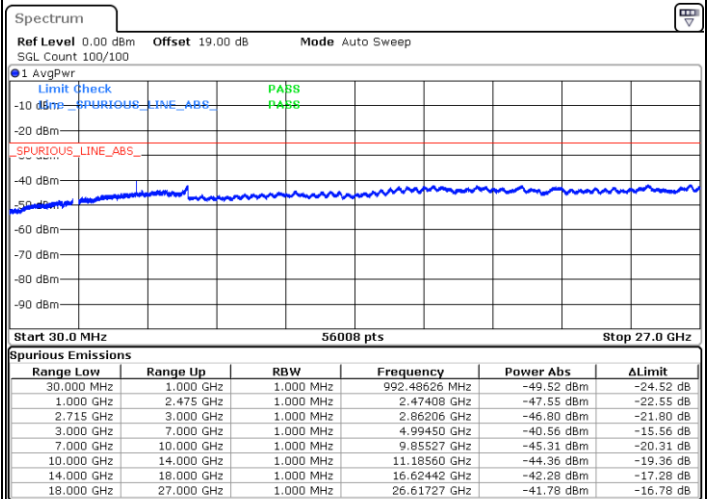
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 20.NOV.2020 17:33:27

Lowest Channel / 16QAM

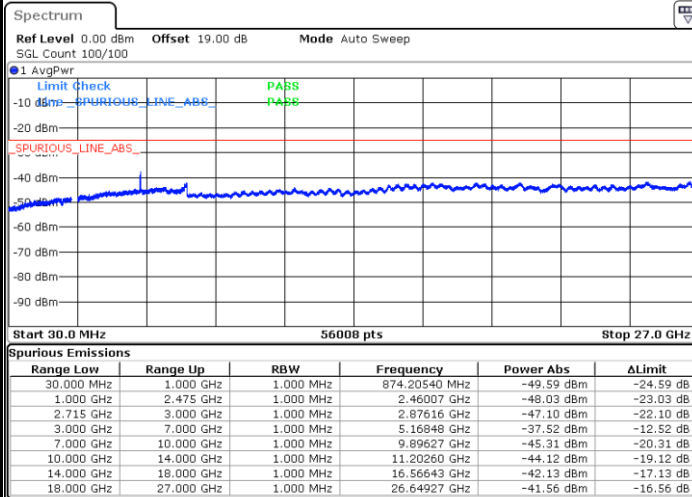


Date: 20.NOV.2020 17:32:31



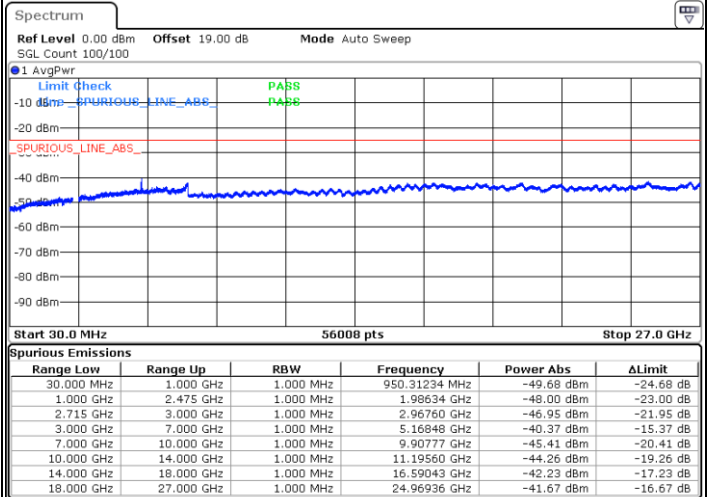
LTE Band 41 / 20MHz

Middle Channel / QPSK



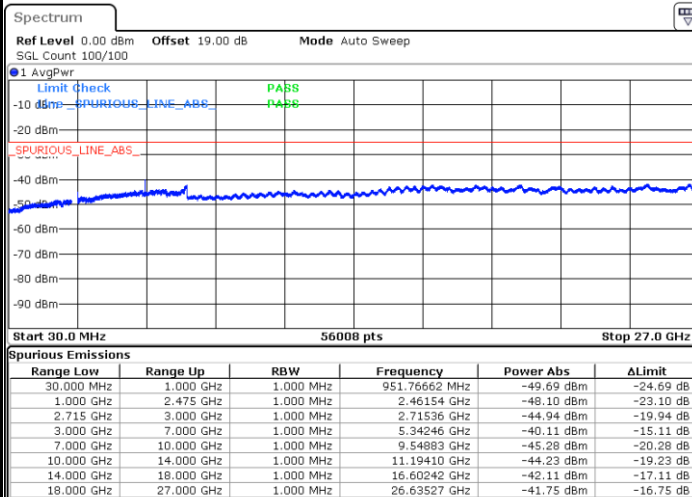
Date: 23.NOV.2020 14:09:49

Middle Channel / 16QAM



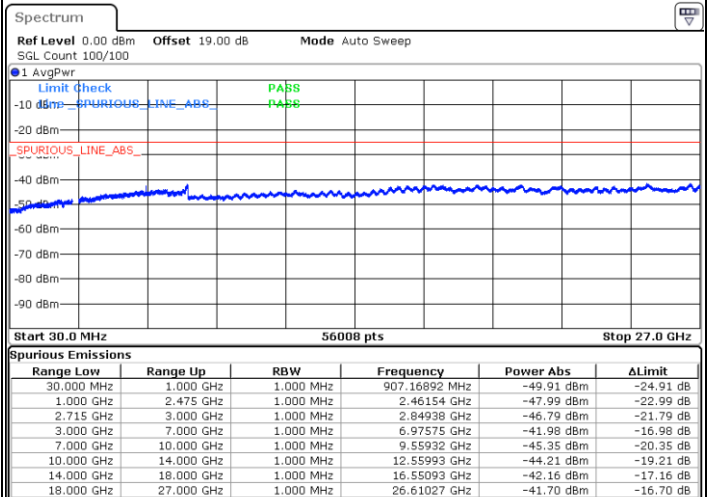
Date: 23.NOV.2020 14:10:43

Highest Channel / QPSK



Date: 23.NOV.2020 14:19:48

Highest Channel / 16QAM

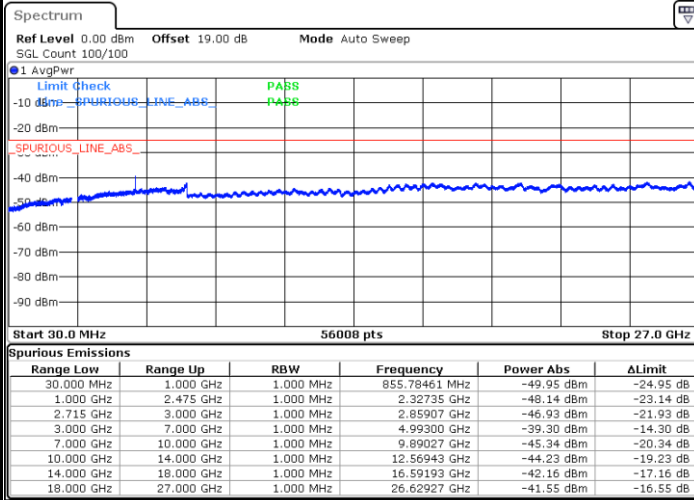


Date: 23.NOV.2020 14:18:59



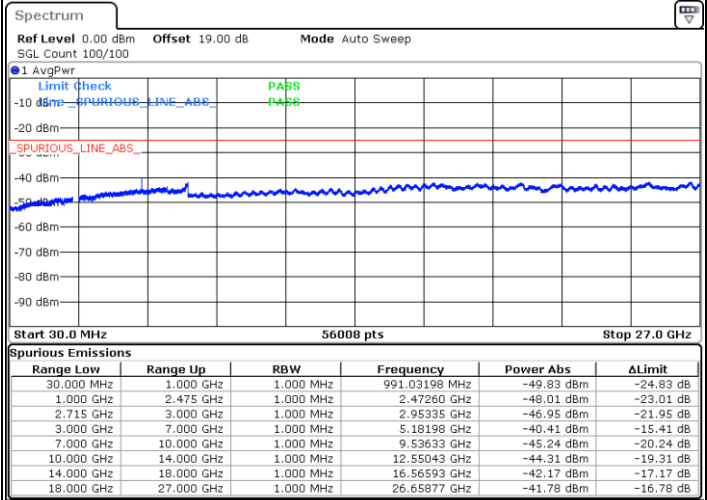
LTE Band 41 / 5MHz

Lowest Channel / 64QAM



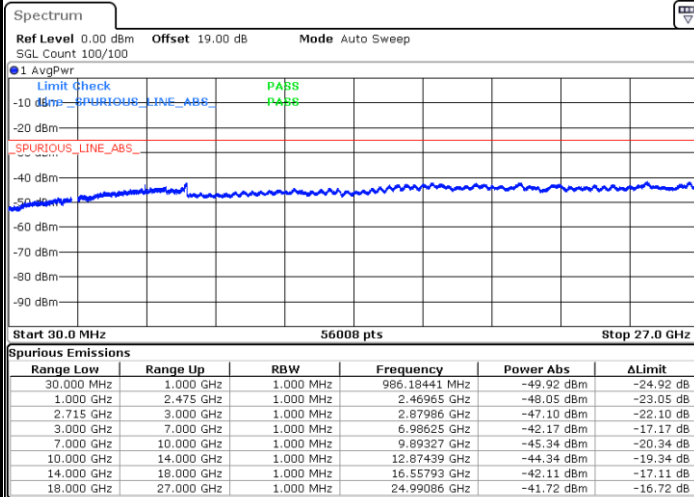
Date: 20.NOV.2020 11:51:20

Middle Channel / 64QAM



Date: 20.NOV.2020 13:40:19

Highest Channel / 64QAM

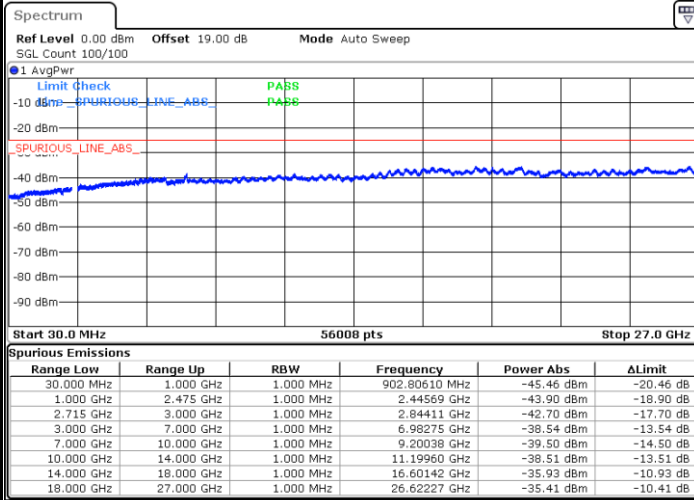


Date: 20.NOV.2020 13:52:32



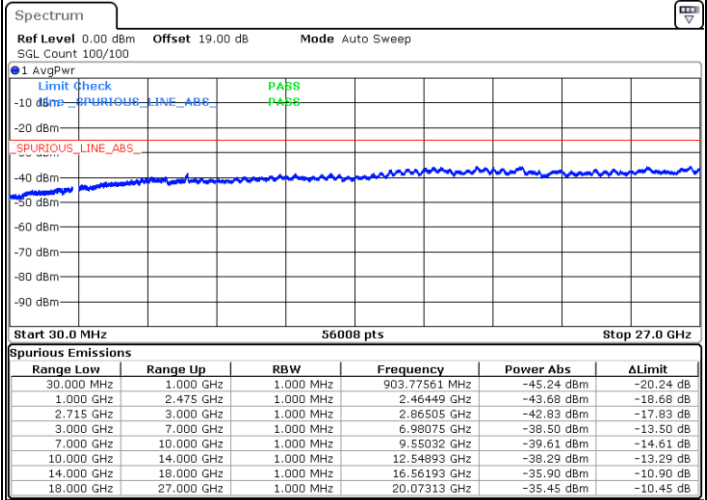
LTE Band 41 / 10MHz

Lowest Channel / 64QAM



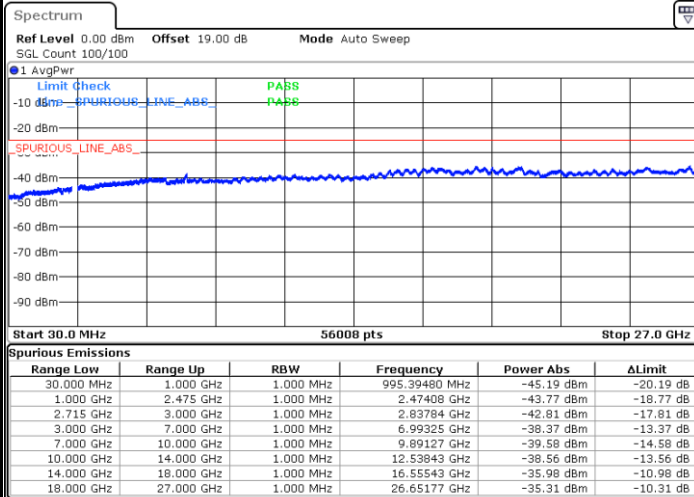
Date: 20.NOV.2020 14:40:02

Middle Channel / 64QAM



Date: 20.NOV.2020 15:11:18

Highest Channel / 64QAM

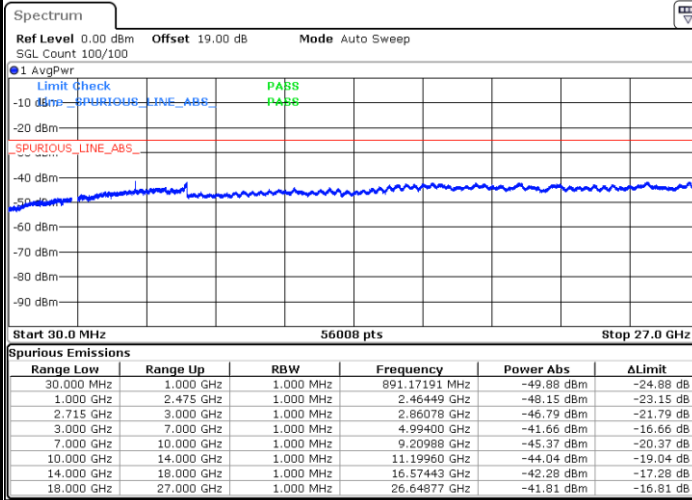


Date: 20.NOV.2020 15:22:47



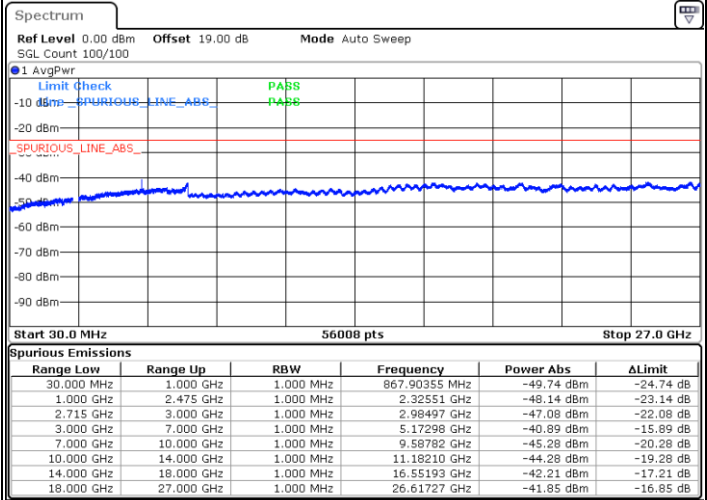
LTE Band 41 / 15MHz

Lowest Channel / 64QAM



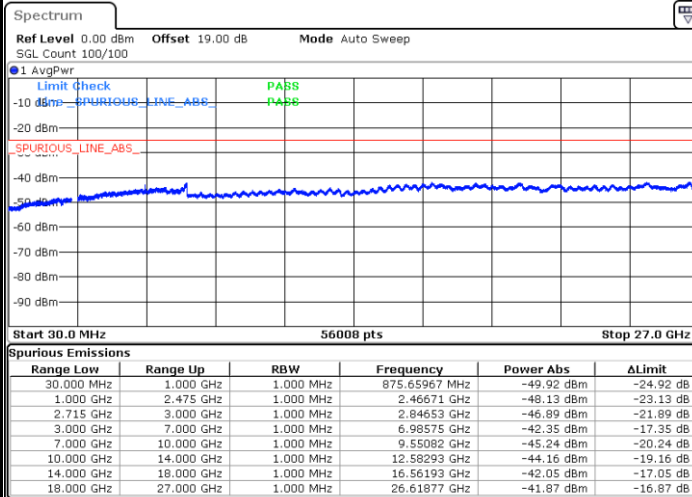
Date: 20.NOV.2020 16:11:54

Middle Channel / 64QAM



Date: 20.NOV.2020 16:36:58

Highest Channel / 64QAM

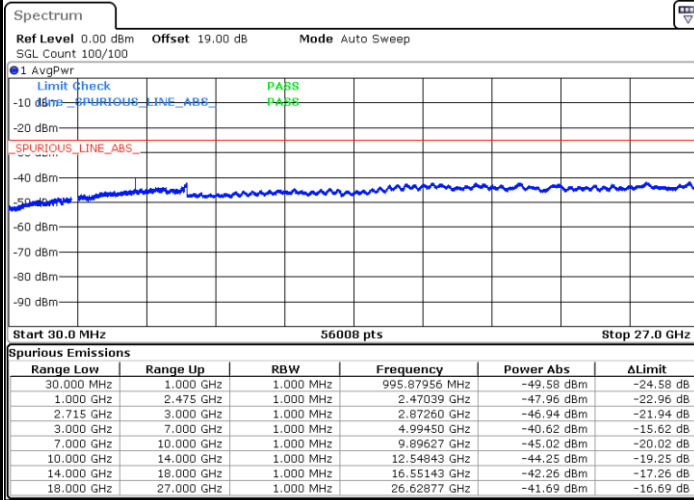


Date: 20.NOV.2020 16:47:20



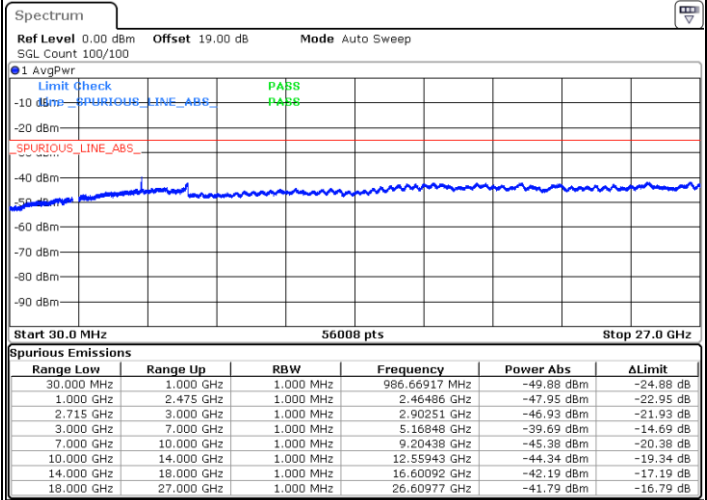
LTE Band 41 / 20MHz

Lowest Channel / 64QAM



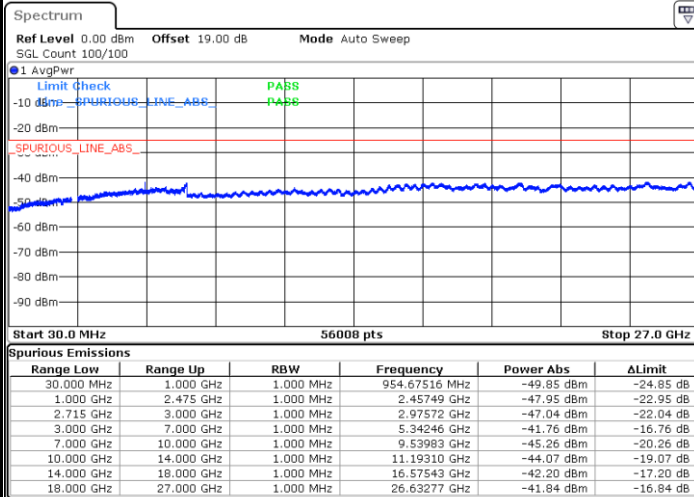
Date: 20.NOV.2020 17:31:34

Middle Channel / 64QAM



Date: 23.NOV.2020 14:11:56

Highest Channel / 64QAM



Date: 23.NOV.2020 14:16:24

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	0.0006	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0007	
-30	Normal Voltage	0.0004	
20	Maximum Voltage	0.0177	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage =3.8 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)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3742.18	-48.61	-13	-35.61	-67.23	-55.36	5.85	12.60	H
	5613.27	-54.71	-13	-41.71	-77.55	-60.51	7.30	13.10	H
	7484.36	-51.60	-13	-38.60	-78.21	-54.75	8.35	11.50	H
	3742.18	-47.59	-13	-34.59	-65.83	-54.34	5.85	12.60	V
	5613.27	-55.35	-13	-42.35	-77.67	-61.15	7.30	13.10	V
	7484.36	-51.48	-13	-38.48	-78.48	-54.63	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	-53.68	-25	-28.68	-76.15	-59.24	7.14	12.70	H
	7578.27	-47.44	-25	-22.44	-73.92	-50.74	8.30	11.60	H
	10104.36	-47.80	-25	-22.80	-78.59	-49.32	10.48	12.00	H
	5052.18	-54.48	-25	-29.48	-76.84	-60.04	7.14	12.70	V
	7578.27	-49.69	-25	-24.69	-76.65	-52.99	8.30	11.60	V
	10104.36	-49.38	-25	-24.38	-78.83	-50.90	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)	ERP (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	-58.67	-13	-45.67	-67.48	-61.92	4.00	9.40	H
	2502.75	-58.60	-13	-45.60	-72.16	-62.17	4.88	10.60	H
	3337	-59.28	-13	-46.28	-76.18	-64.21	5.52	12.60	H
	1668.5	-51.82	-13	-38.82	-60.80	-55.07	4.00	9.40	V
	2502.75	-56.25	-13	-43.25	-69.92	-59.82	4.88	10.60	V
	3337	-59.05	-13	-46.05	-75.95	-63.98	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)	ERP (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	-58.23	-13	-45.23	-62.87	-61.48	4.00	9.40	H
	2496	-58.93	-13	-45.93	-72.41	-62.50	4.88	10.60	H
	3328	-59.20	-13	-46.20	-76.51	-64.13	5.52	12.60	H
	1664	-50.09	-13	-37.09	-60.75	-53.34	4.00	9.40	V
	2496	-58.22	-13	-45.22	-72.61	-61.79	4.88	10.60	V
	3328	-59.36	-13	-46.36	-76.43	-64.29	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)	ERP (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	1649.5	-61.86	-13	-48.86	-71.07	-65.09	3.98	9.36	H
	2474.25	-57.98	-13	-44.98	-71.49	-61.53	4.85	10.55	H
	3299	-58.19	-13	-45.19	-75.13	-63.12	5.50	12.58	H
	1649.5	-51.06	-13	-38.06	-60.32	-54.29	3.98	9.36	V
	2474.25	-57.01	-13	-44.01	-70.56	-60.56	4.85	10.55	V
	3299	-58.71	-13	-45.71	-75.57	-63.64	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	-52.08	-25	-27.08	-74.69	-57.64	7.14	12.70	H
	7752.27	-47.27	-25	-22.27	-73.50	-50.57	8.30	11.60	H
	10336.36	-47.85	-25	-22.85	-78.62	-49.37	10.48	12.00	H
	5168.18	-53.26	-25	-28.26	-75.55	-58.82	7.14	12.70	V
	7752.27	-49.59	-25	-24.59	-76.46	-52.89	8.30	11.60	V
	10336.36	-49.07	-25	-24.07	-78.84	-50.59	10.48	12.00	V

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