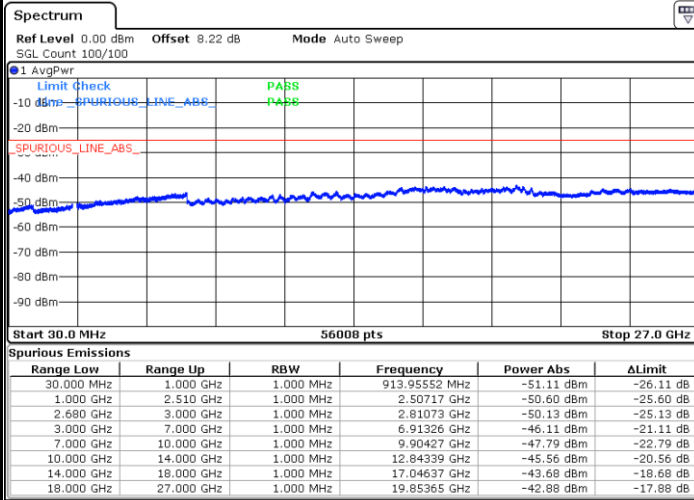




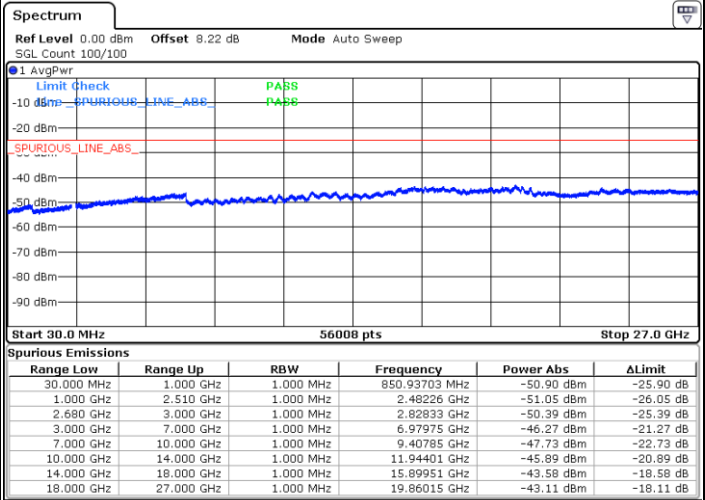
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 5.MAR.2020 23:47:41

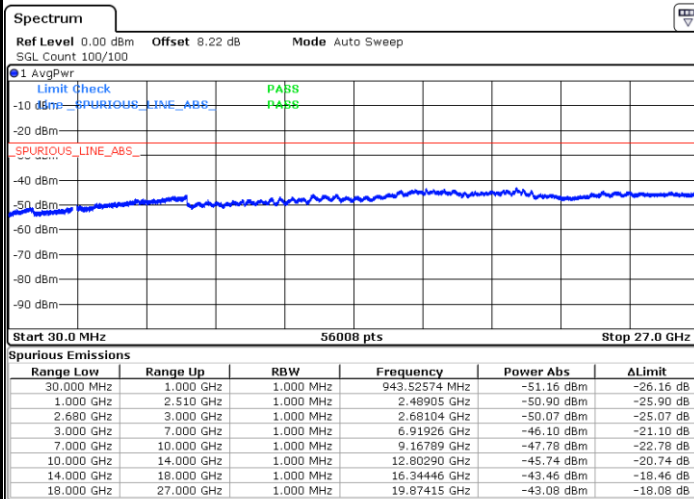
Highest Channel / 16QAM



Date: 6.MAR.2020 05:15:06

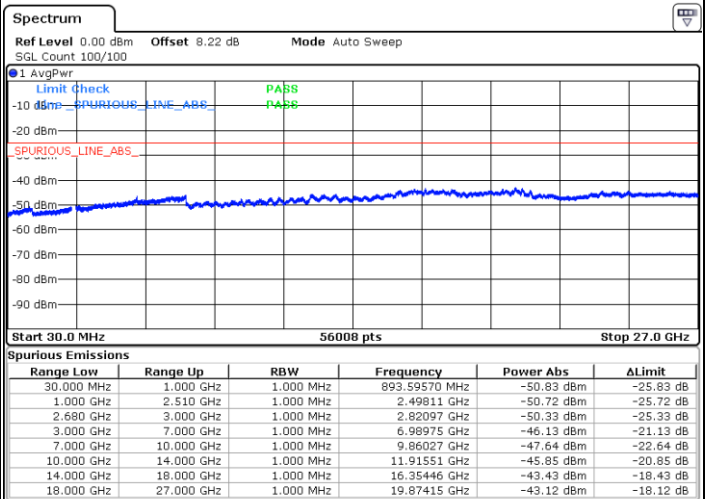
LTE Band 41 / 10MHz

Lowest Channel / QPSK



Date: 6.MAR.2020 05:28:36

Lowest Channel / 16QAM

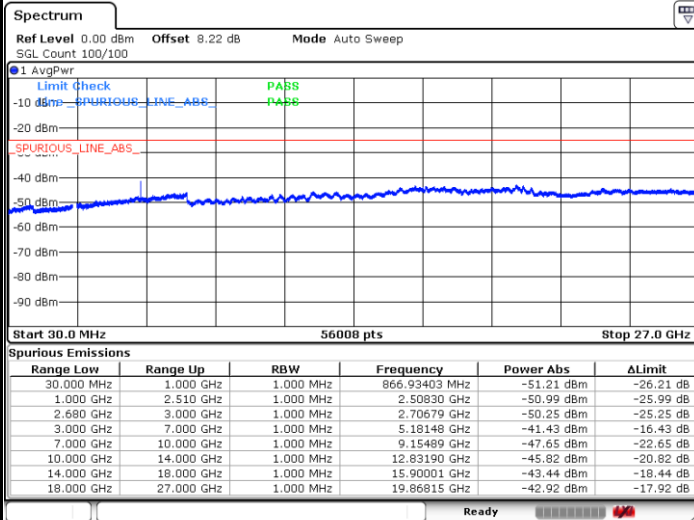


Date: 6.MAR.2020 05:22:54



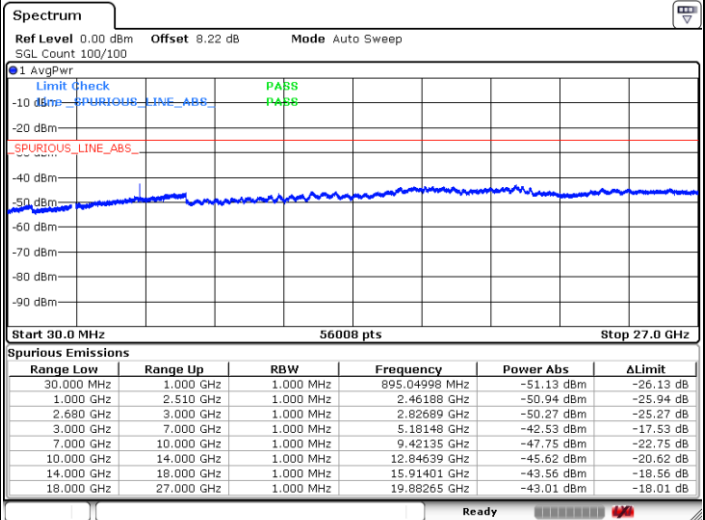
LTE Band 41 / 10MHz

Middle Channel / QPSK



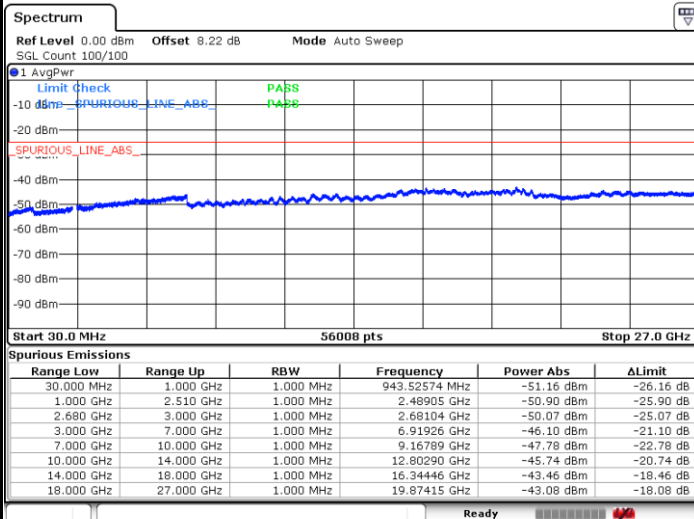
Date: 6 MAR 2020 05:20:36

Middle Channel / 16QAM



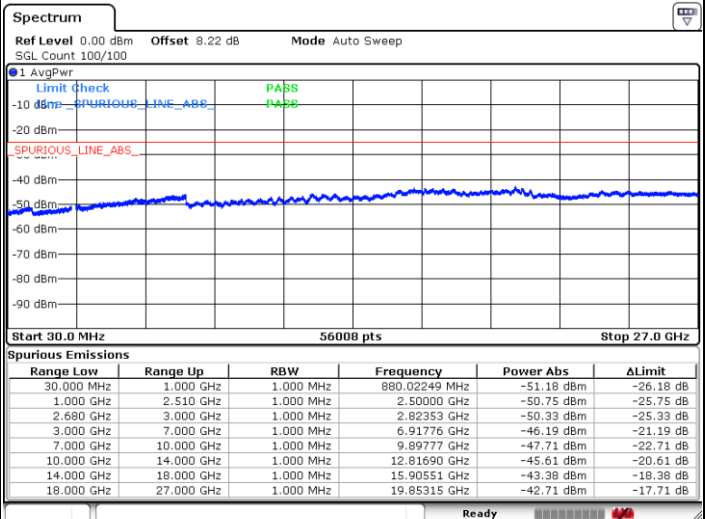
Date: 6 MAR 2020 05:19:26

Highest Channel / QPSK



Date: 6 MAR 2020 05:28:36

Highest Channel / 16QAM

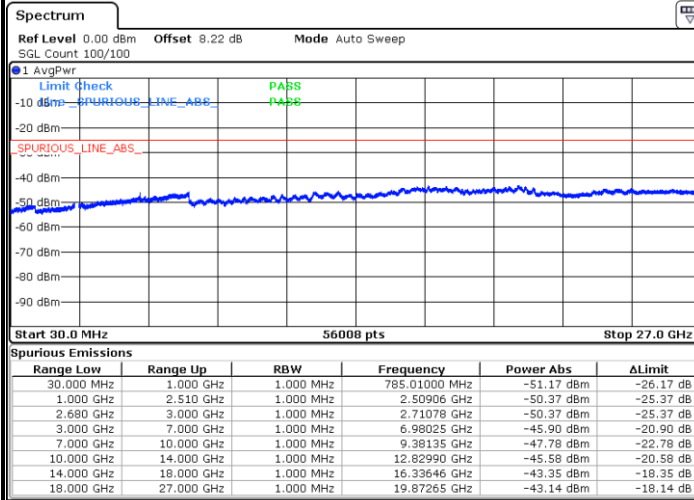


Date: 6 MAR 2020 05:27:27



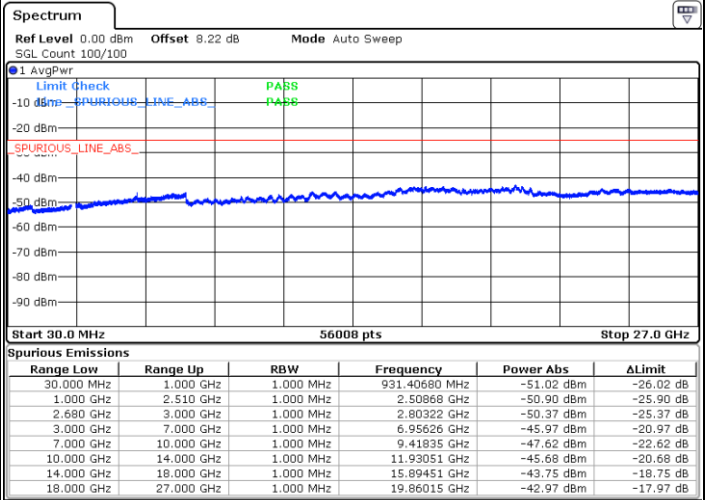
LTE Band 41 / 15MHz

Lowest Channel / QPSK



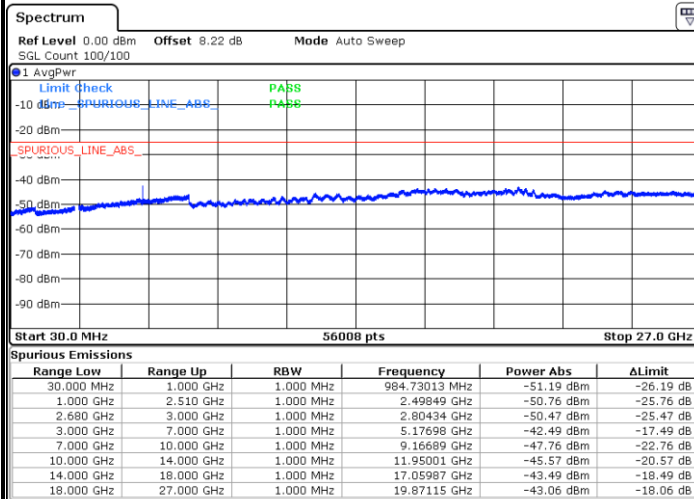
Date: 6 MAR 2020 05:38:42

Lowest Channel / 16QAM



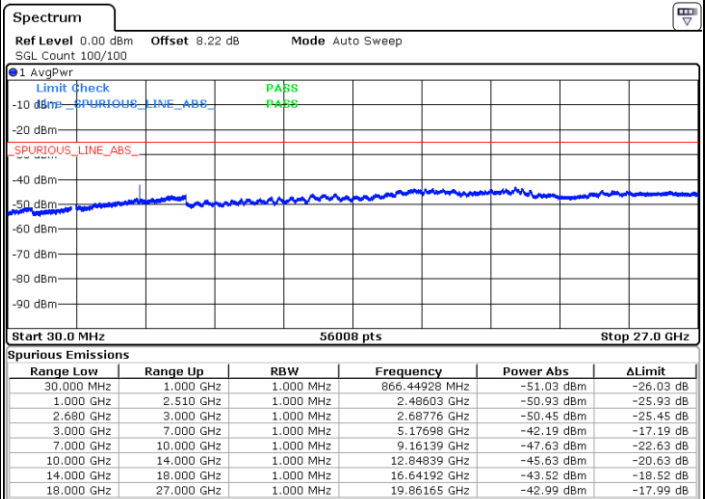
Date: 6 MAR 2020 05:37:16

Middle Channel / QPSK



Date: 6 MAR 2020 05:30:01

Middle Channel / 16QAM

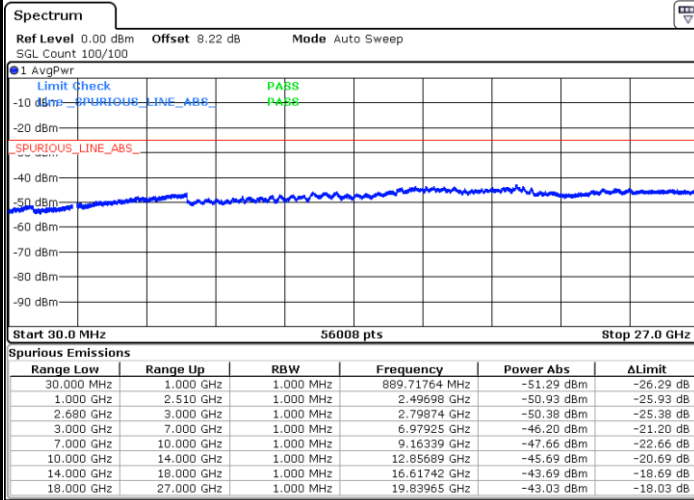


Date: 6 MAR 2020 05:32:47



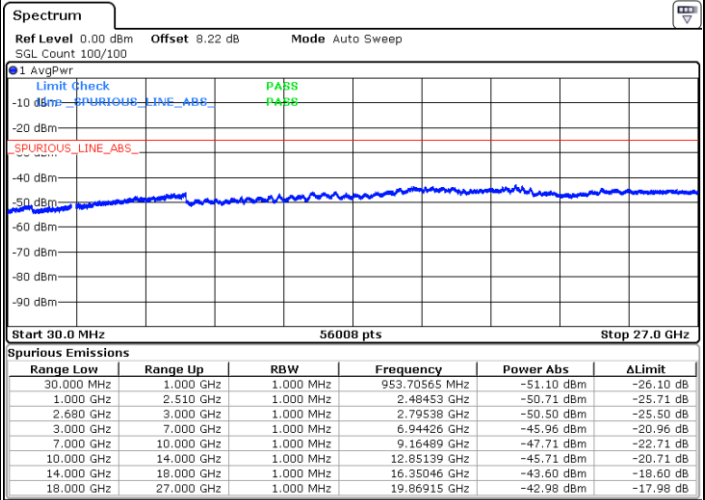
LTE Band 41 / 15MHz

Highest Channel / QPSK



Date: 6 MAR 2020 05:40:24

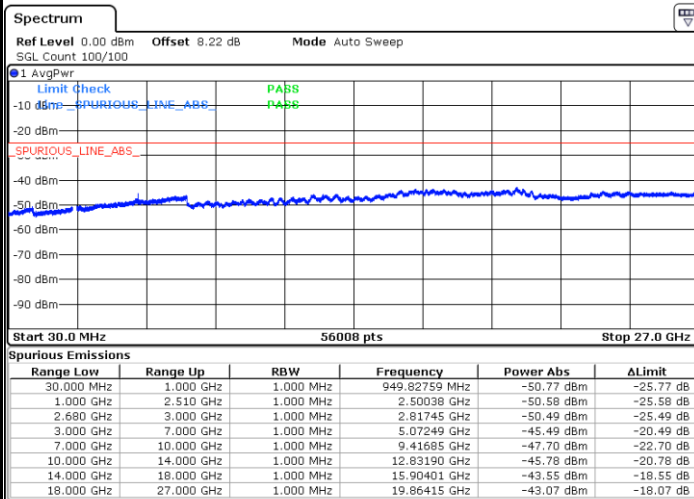
Highest Channel / 16QAM



Date: 6 MAR 2020 05:41:44

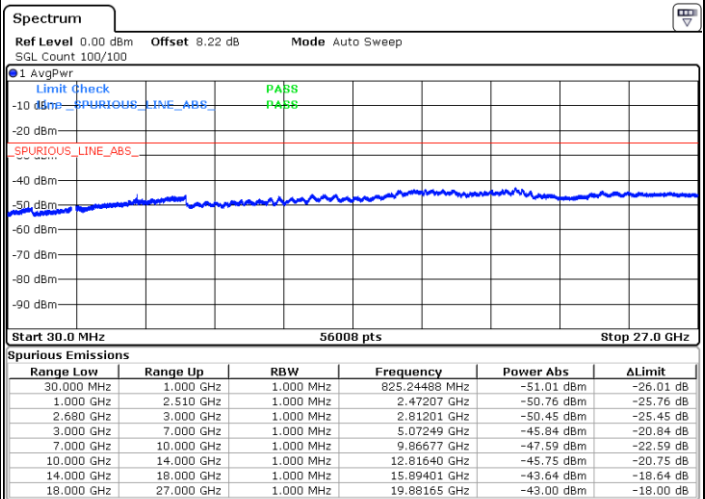
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 6 MAR 2020 05:48:55

Lowest Channel / 16QAM

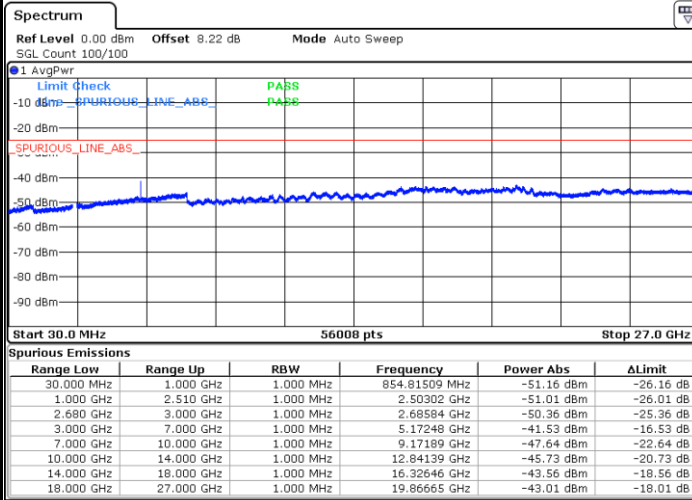


Date: 6 MAR 2020 05:51:10



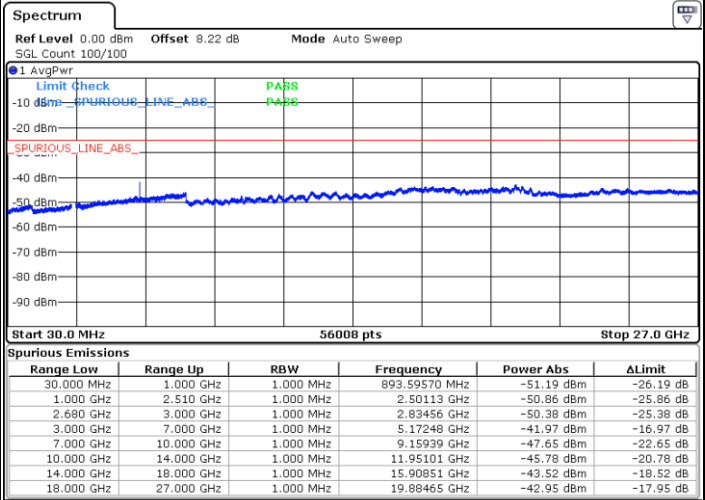
LTE Band 41 / 20MHz

Middle Channel / QPSK



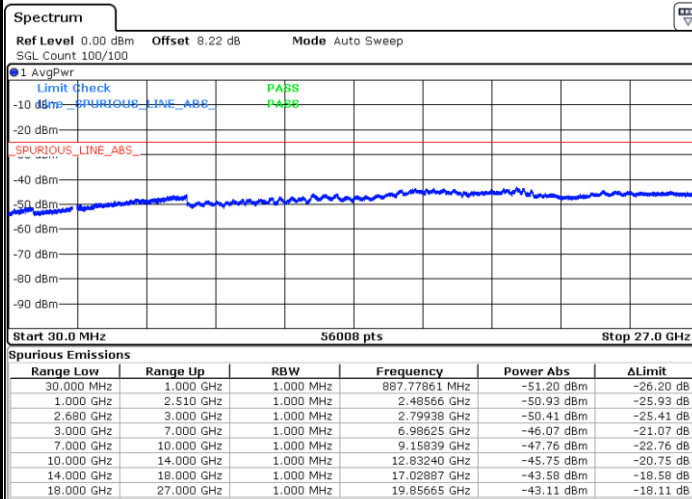
Date: 6 MAR 2020 05:47:33

Middle Channel / 16QAM



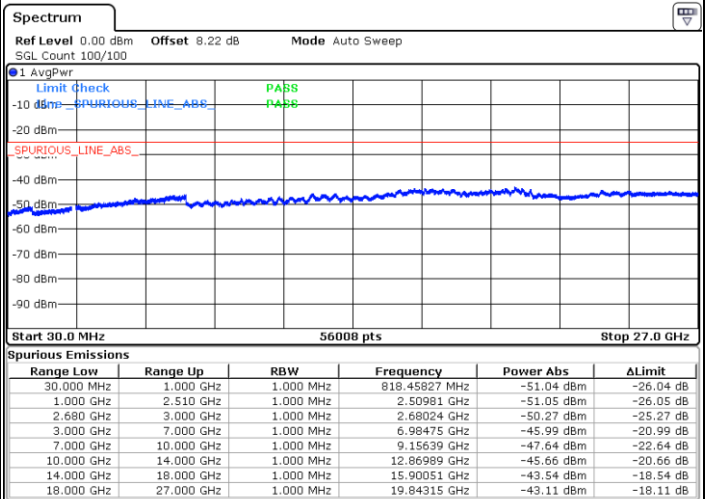
Date: 6 MAR 2020 05:46:07

igiest Channel / QPSK



Date: 6 MAR 2020 05:54:42

Highest Channel / 16QAM

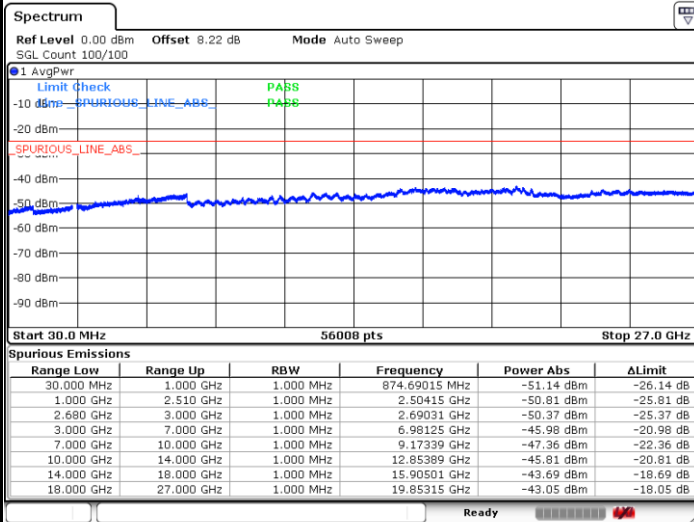


Date: 6 MAR 2020 05:56:17



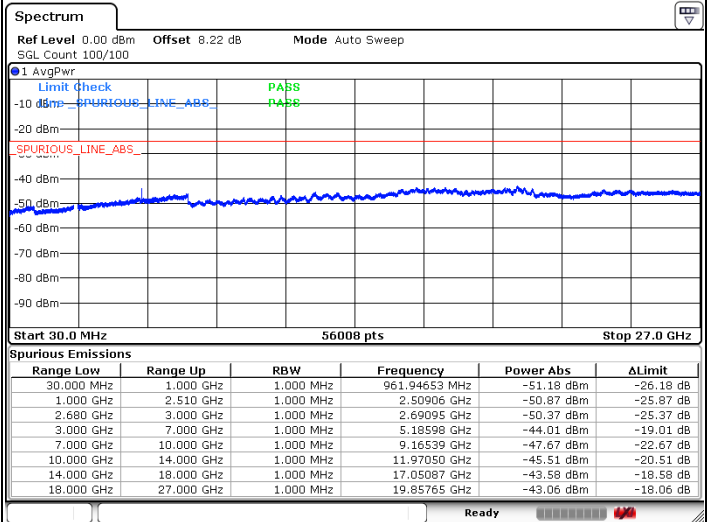
LTE Band 41 / 5MHz

Lowest Channel / 64QAM



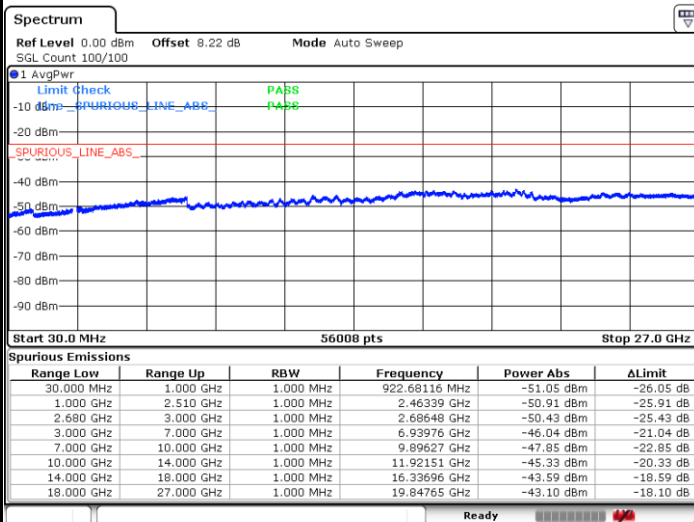
Date: 5.MAR.2020 22:04:06

Middle Channel / 64QAM



Date: 5.MAR.2020 22:02:23

Highest Channel / 64QAM

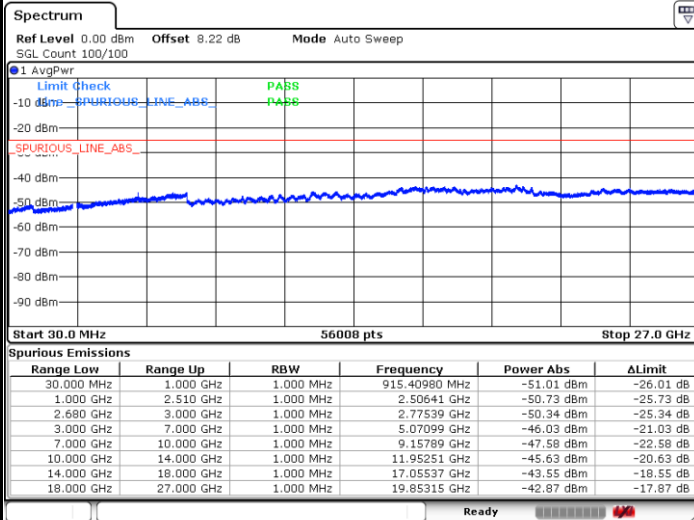


Date: 6.MAR.2020 05:16:07



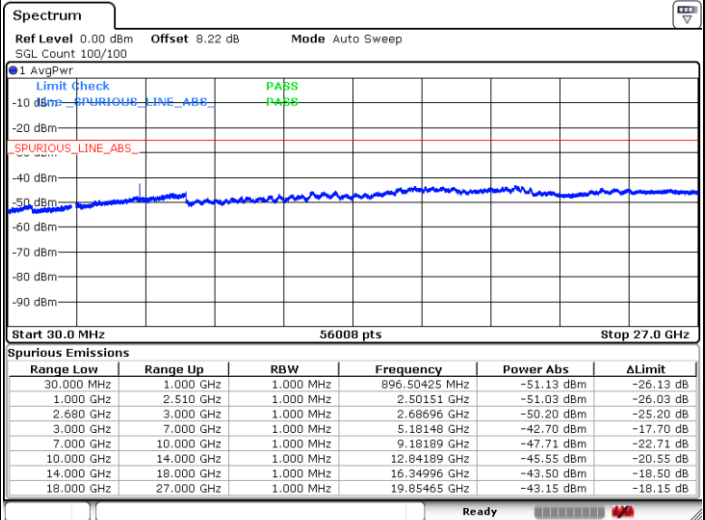
LTE Band 41 / 10MHz

Lowest Channel / 64QAM



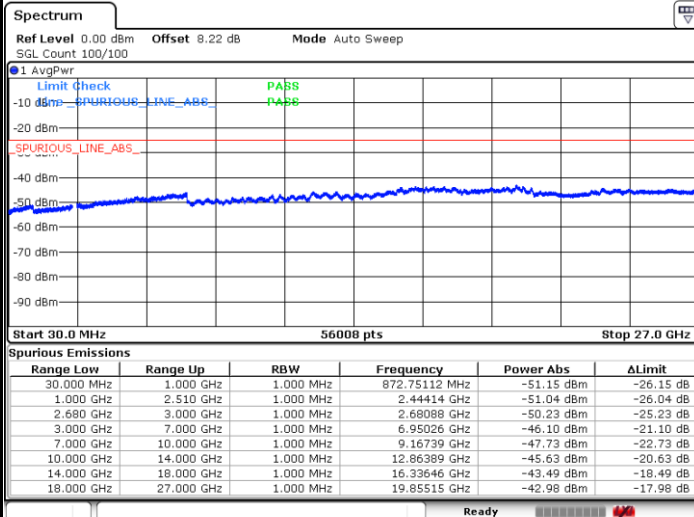
Date: 6.MAR.2020 05:24:01

Middle Channel / 64QAM



Date: 6.MAR.2020 05:18:11

Highest Channel / 64QAM

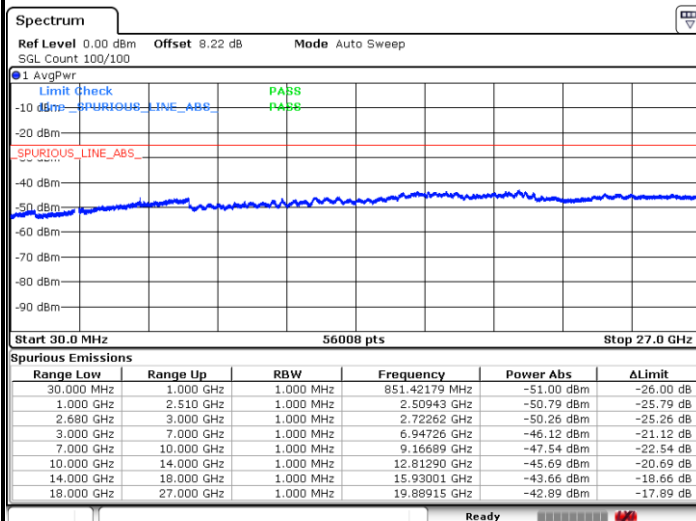


Date: 6.MAR.2020 05:25:13



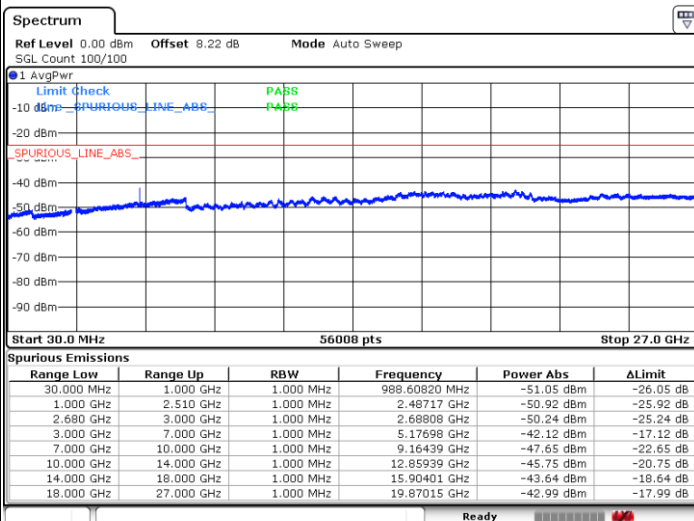
LTE Band 41 / 15MHz

Lowest Channel / 64QAM



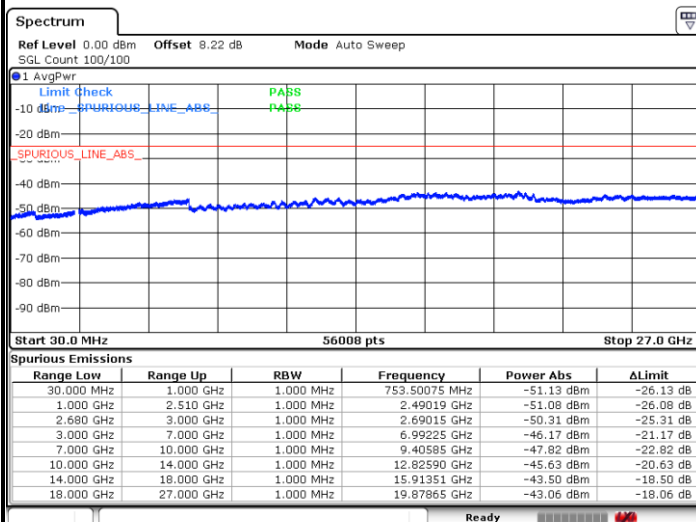
Date: 6.MAR.2020 05:35:41

Middle Channel / 64QAM



Date: 6.MAR.2020 05:34:15

Highest Channel / 64QAM

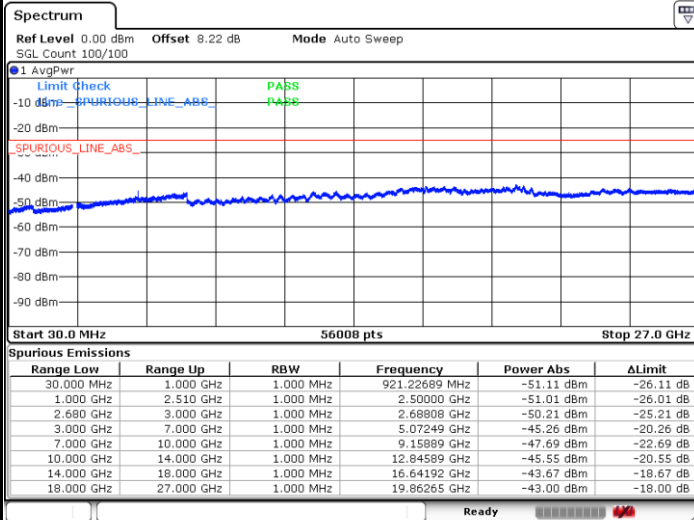


Date: 6.MAR.2020 05:43:10



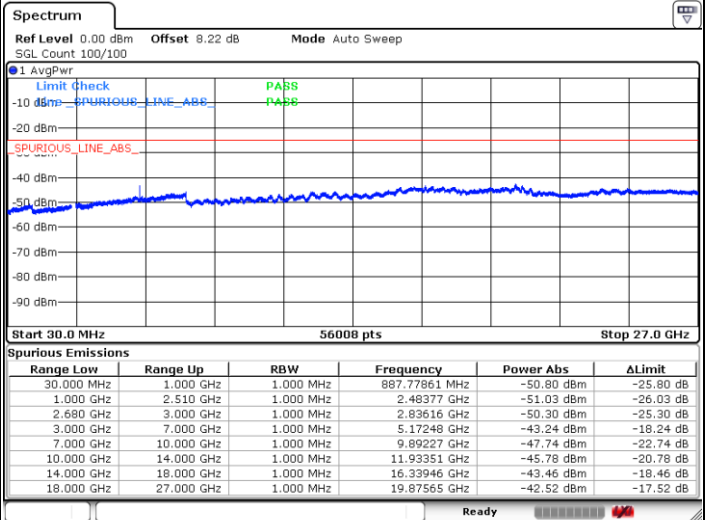
LTE Band 41 / 20MHz

Lowest Channel / 64QAM



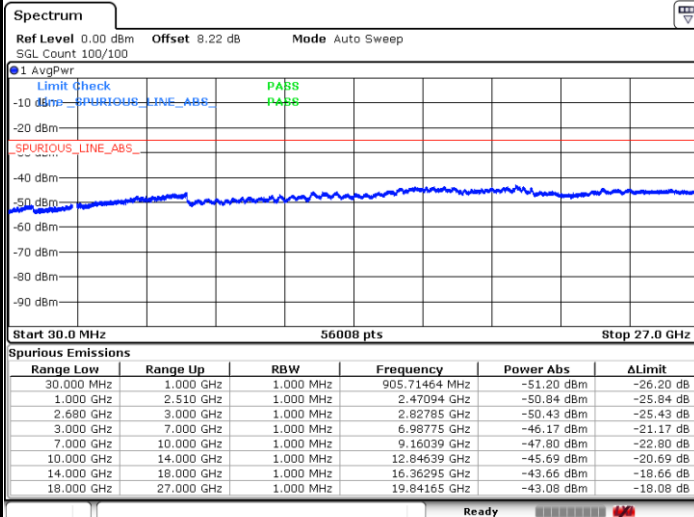
Date: 6 MAR 2020 05:52:19

Middle Channel / 64QAM



Date: 6 MAR 2020 05:44:35

Highest Channel / 64QAM



Date: 6 MAR 2020 05:57:59

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	0.0030	PASS
40	Normal Voltage	0.0046	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0027	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0033	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0057	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0034	
20	Battery End Point	0.0023	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 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 4 / 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	3447	-56.86	-13	-43.86	-67.60	2.604	13.34	H
	5170.77	-56.28	-13	-43.28	-66.79	3.011	13.52	H
	6894.36	-52.81	-13	-39.81	-63.01	3.271	13.47	H
	3447	-59.05	-13	-46.05	-69.79	2.604	13.34	V
	5170.77	-56.39	-13	-43.39	-66.90	3.011	13.52	V
	6894.36	-52.63	-13	-39.63	-62.83	3.271	13.47	V

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

LTE Band 5 / 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	1664	-68.85	-13	-55.85	-75.82	1.58	10.70	H
	2496	-63.28	-13	-50.28	-71.53	2.102	12.50	H
	3330	-63.85	-13	-50.85	-72.74	2.856	13.90	H
	1664	-68.88	-13	-55.88	-75.85	1.58	10.70	V
	2496	-61.65	-13	-48.65	-69.90	2.10	12.50	V
	3330	-63.90	-13	-50.90	-72.79	2.86	13.90	V

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

LTE Band 41 / 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	5172	-52.05	-25	-27.05	-62.26	3.03	13.24	H
	7760	-59.60	-25	-34.60	-69.05	3.56	13.01	H
	10344.36	-57.60	-25	-32.60	-67.12	3.92	13.44	H
	5172	-55.40	-25	-30.40	-65.61	3.03	13.24	V
	7760	-59.40	-25	-34.40	-68.85	3.56	13.01	V
	10344.36	-57.61	-25	-32.61	-67.13	3.92	13.44	V

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