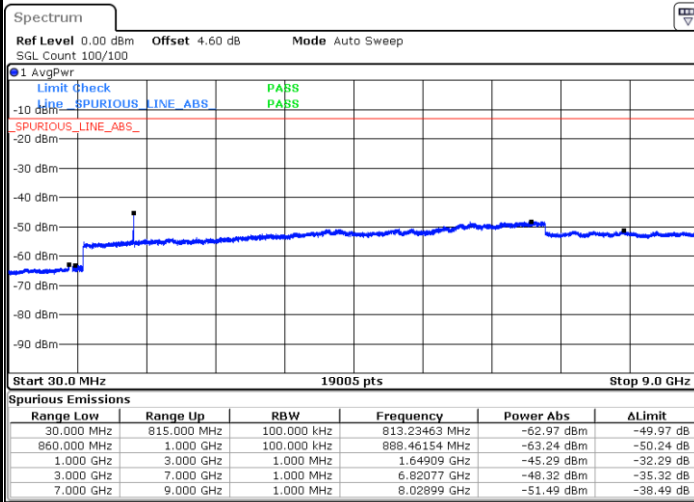




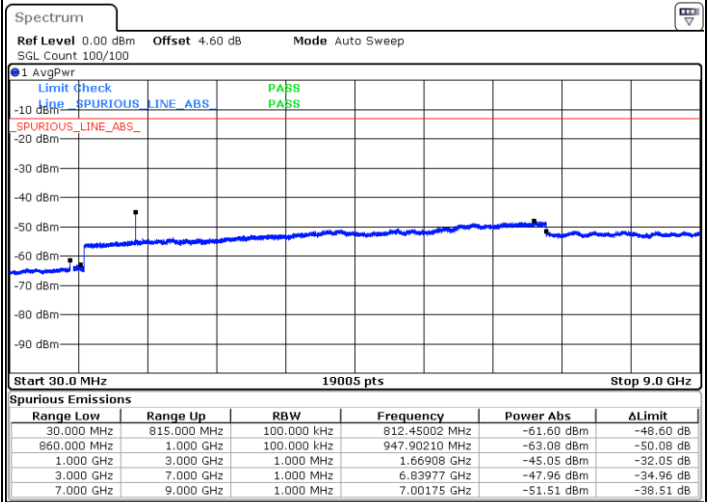
LTE Band 26 / 5MHz

Lowest Channel / 64QAM



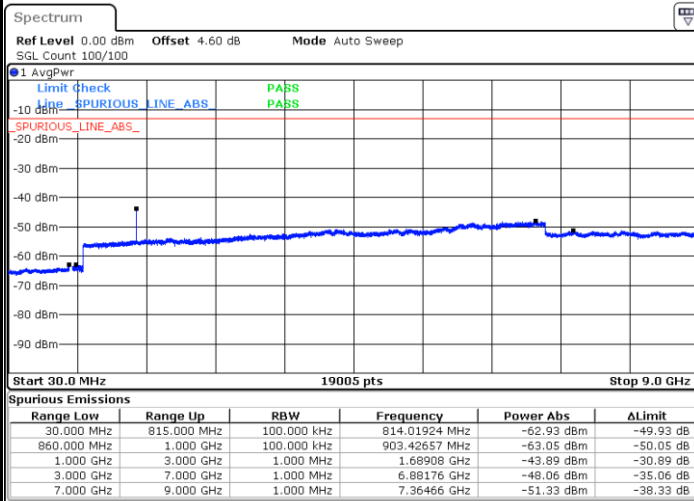
Date: 7.AUG.2019 20:10:14

Middle Channel / 64QAM



Date: 7.AUG.2019 20:10:36

Highest Channel / 64QAM

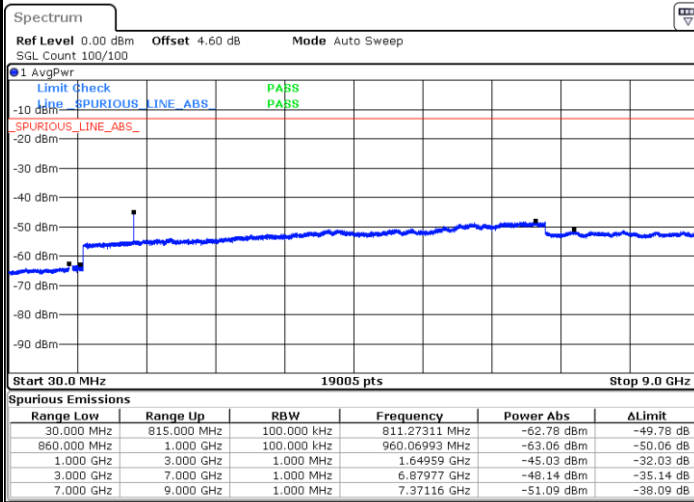


Date: 7.AUG.2019 20:12:29



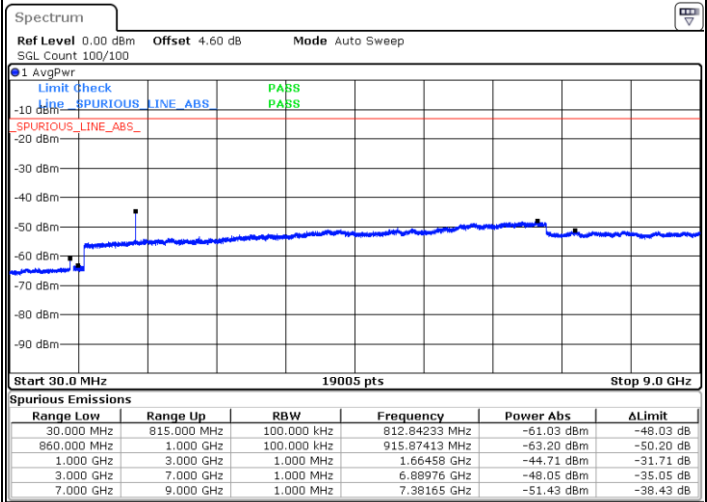
LTE Band 26 / 10MHz

Lowest Channel / 64QAM



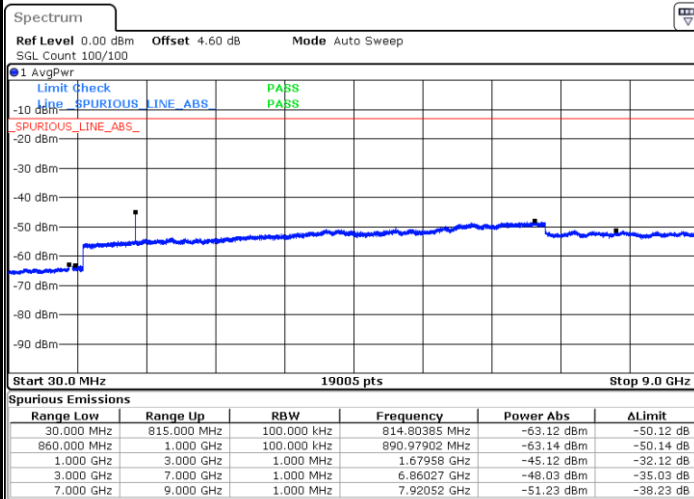
Date: 7.AUG.2019 20:16:15

Middle Channel / 64QAM



Date: 7.AUG.2019 20:16:37

Highest Channel / 64QAM

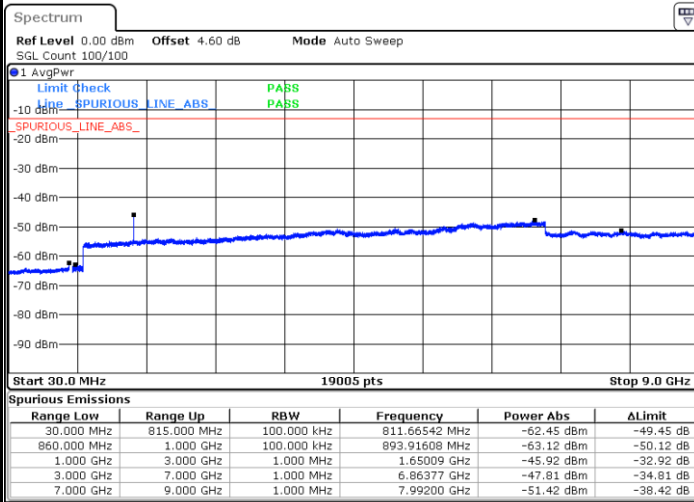


Date: 7.AUG.2019 20:18:29



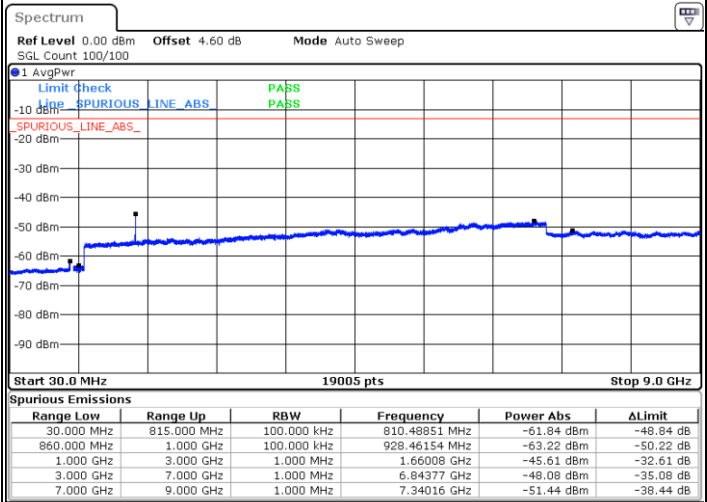
LTE Band 26 / 15MHz

Lowest Channel / 64QAM



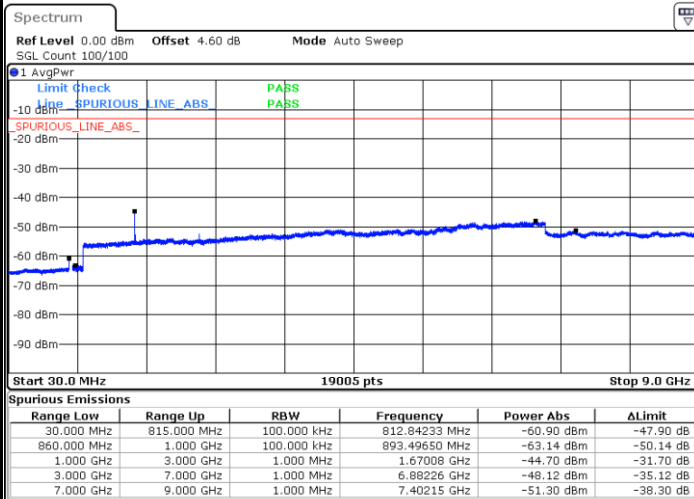
Date: 7.AUG.2019 20:22:12

Middle Channel / 64QAM



Date: 7.AUG.2019 20:22:34

Highest Channel / 64QAM



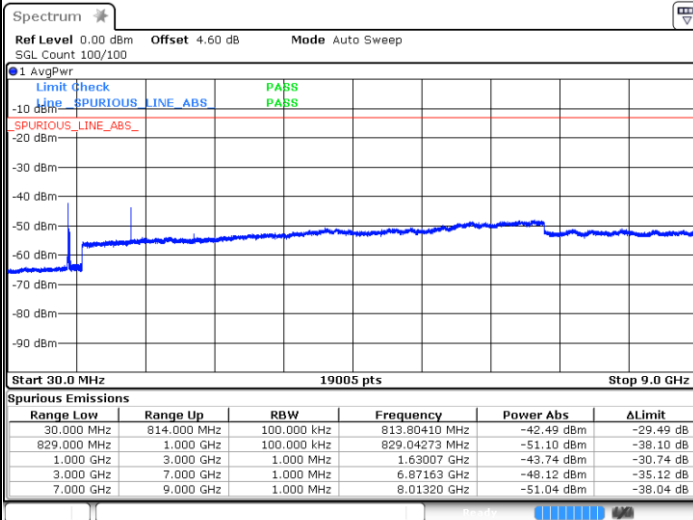
Date: 7.AUG.2019 20:24:27



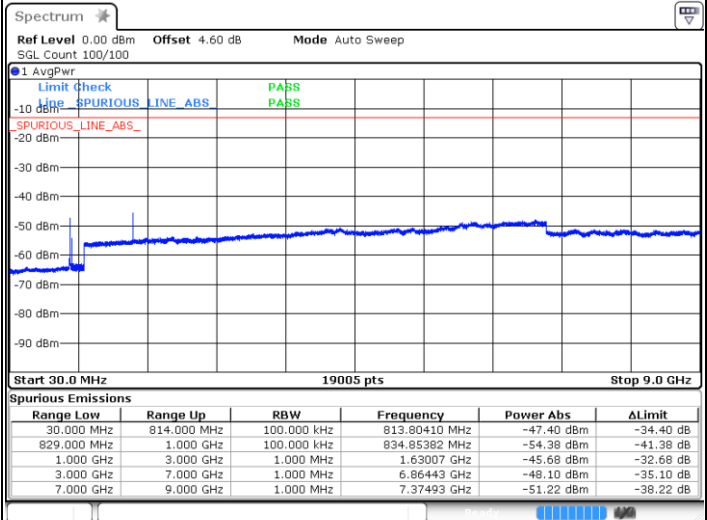
LTE Band 26

CH26765 / QPSK

CH26765 / 64QAM

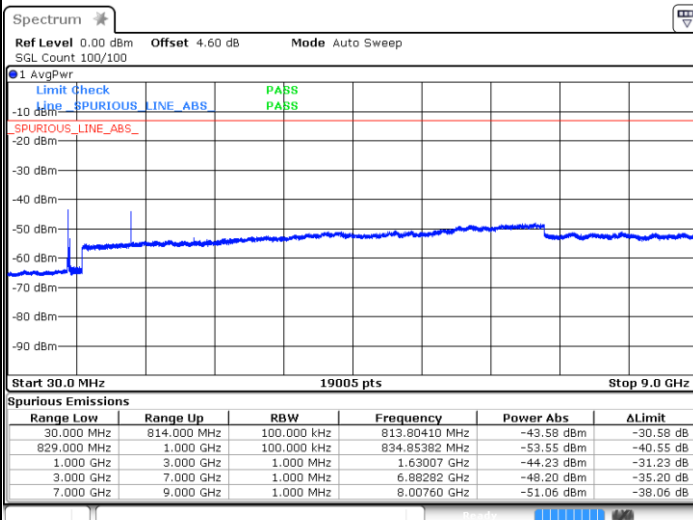


Date: 8 AUG 2019 01:20:02



Date: 8 AUG 2019 01:17:33

CH26765 / 16QAM

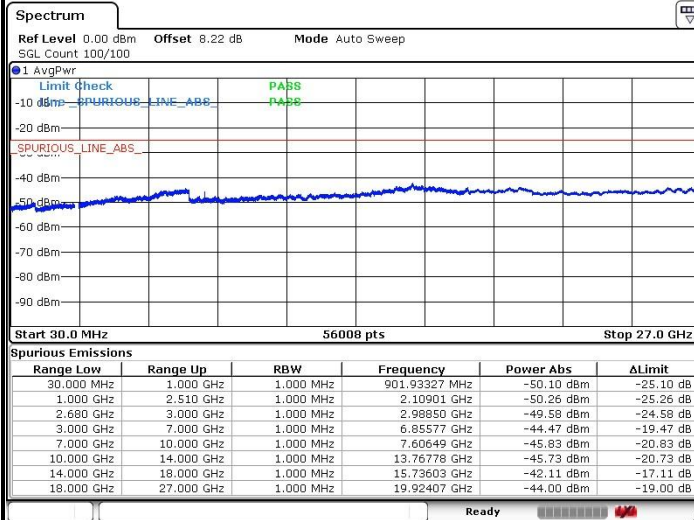


Date: 8 AUG 2019 01:16:27



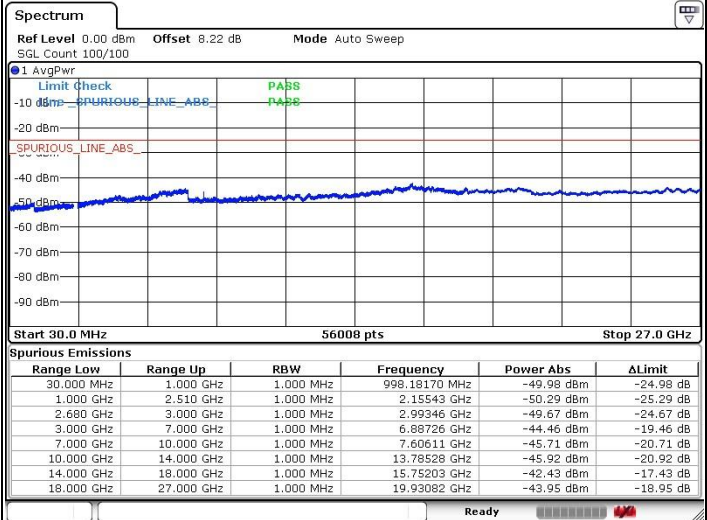
LTE Band 41 / 5MHz

Lowest Channel / QPSK



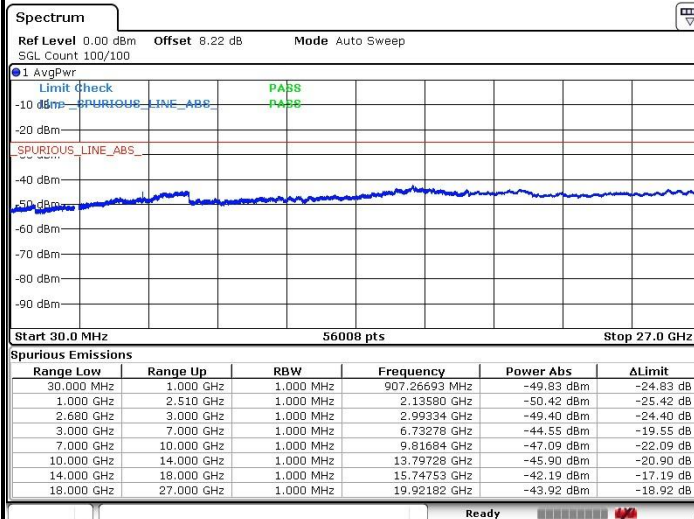
Date: 20 AUG 2019 13:23:20

Lowest Channel / 16QAM



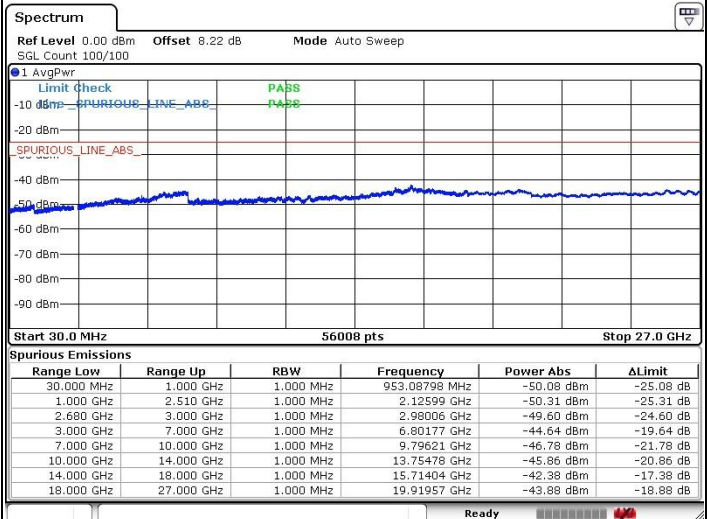
Date: 20 AUG 2019 13:22:34

Middle Channel / QPSK



Date: 20 AUG 2019 13:19:10

Middle Channel / 16QAM

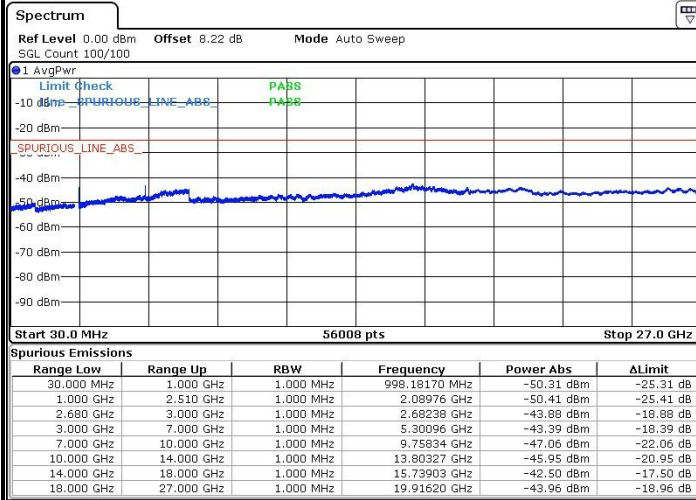


Date: 20 AUG 2019 13:19:57



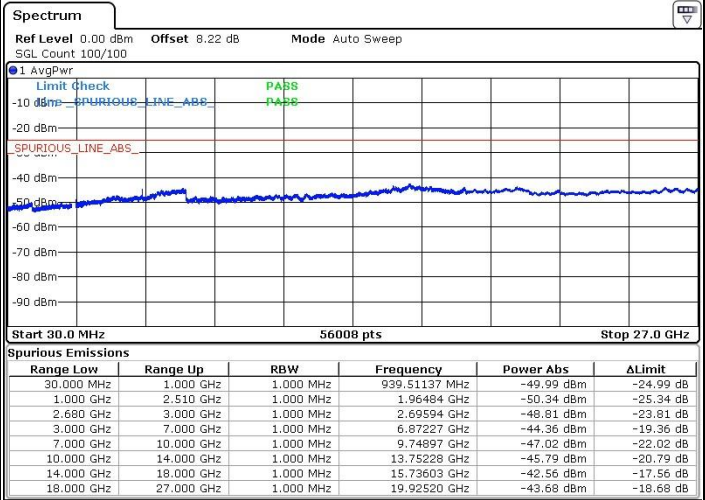
LTE Band 41 / 5MHz

Highest Channel / QPSK



Date: 20 AUG 2019 13:24:07

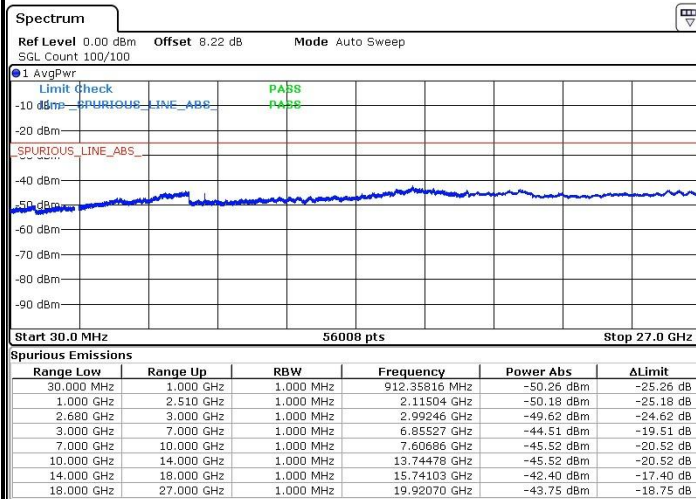
Highest Channel / 16QAM



Date: 20 AUG 2019 13:25:10

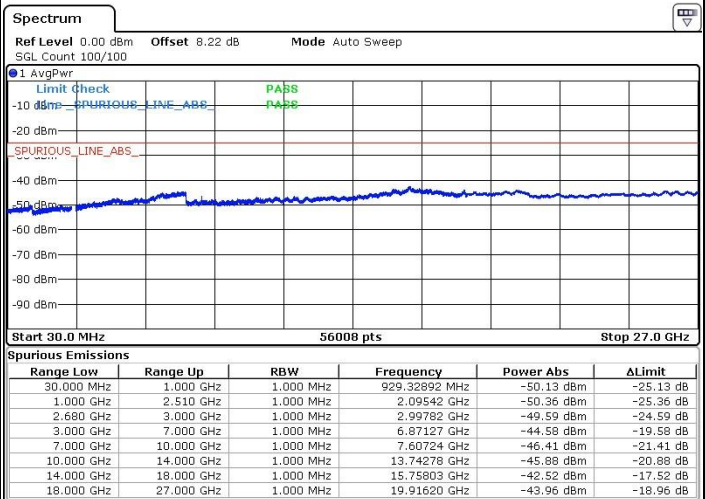
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 20 AUG 2019 13:31:28

Lowest Channel / 16QAM

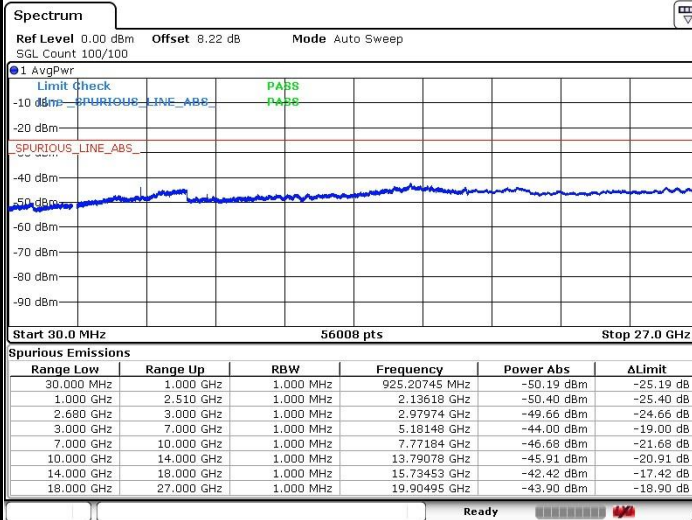


Date: 20 AUG 2019 13:32:52



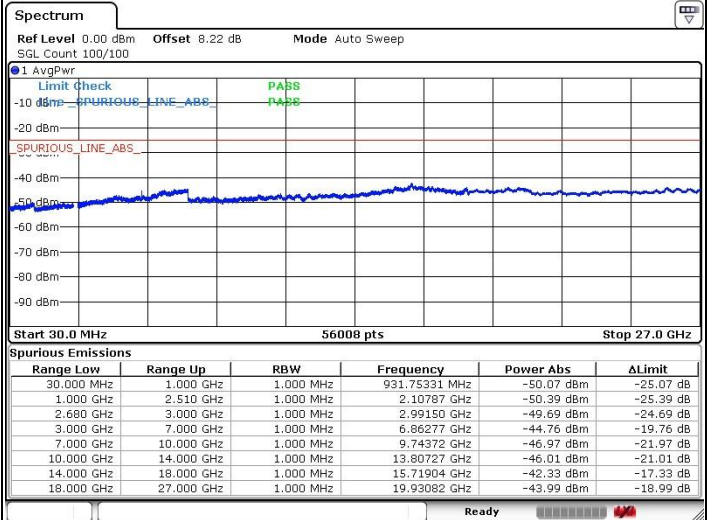
LTE Band 41 / 10MHz

Middle Channel / QPSK



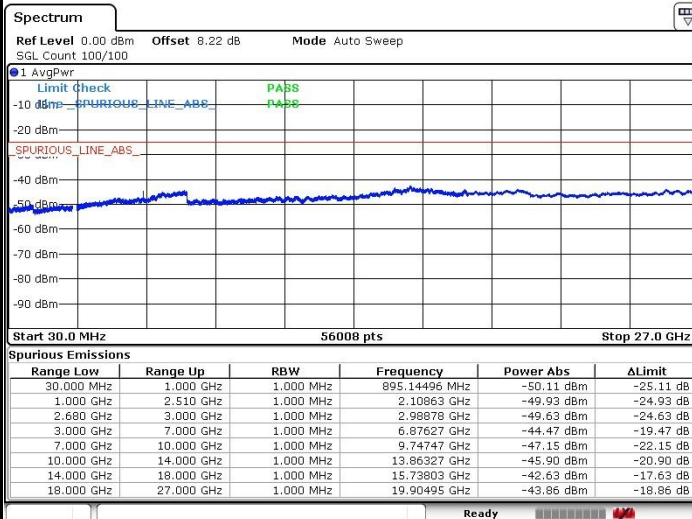
Date: 20 AUG 2019 13:30:21

Middle Channel / 16QAM



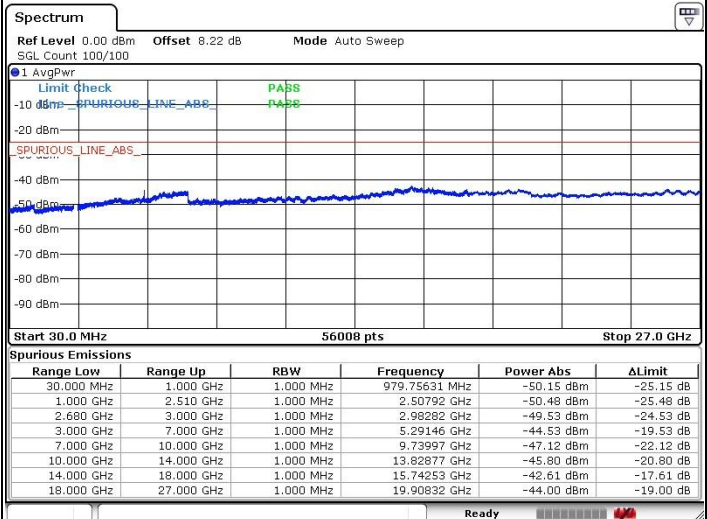
Date: 20 AUG 2019 13:28:31

Highest Channel / QPSK



Date: 20 AUG 2019 13:39:21

Highest Channel / 16QAM

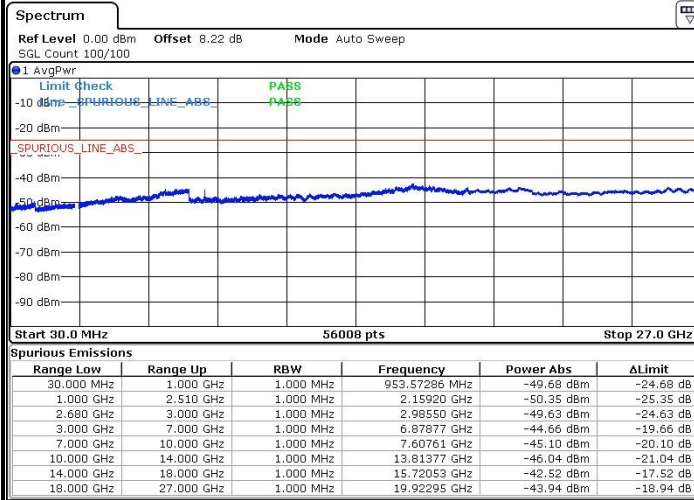


Date: 20 AUG 2019 13:38:34



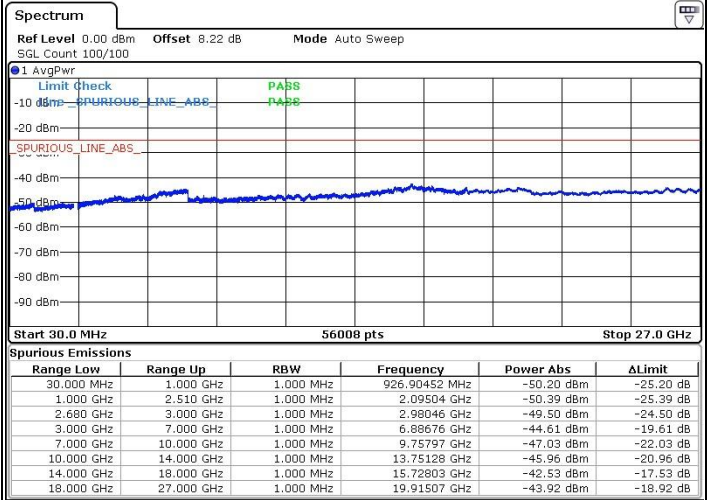
LTE Band 41 / 15MHz

Lowest Channel / QPSK



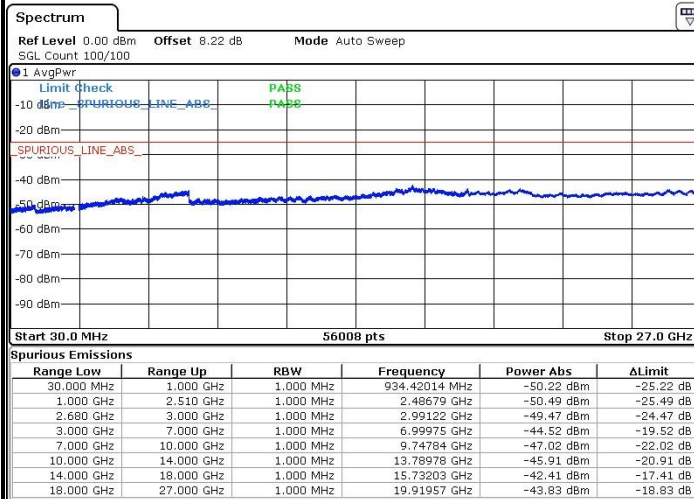
Date: 20 AUG 2019 13:41:01

Lowest Channel / 16QAM



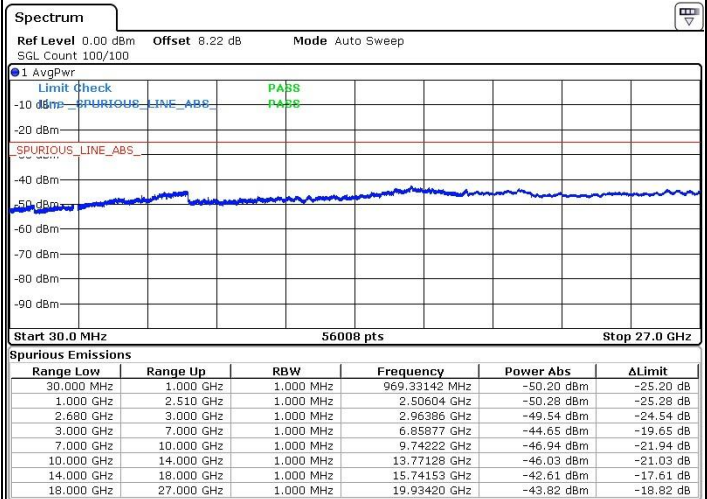
Date: 20 AUG 2019 13:43:01

Middle Channel / QPSK



Date: 20 AUG 2019 13:47:34

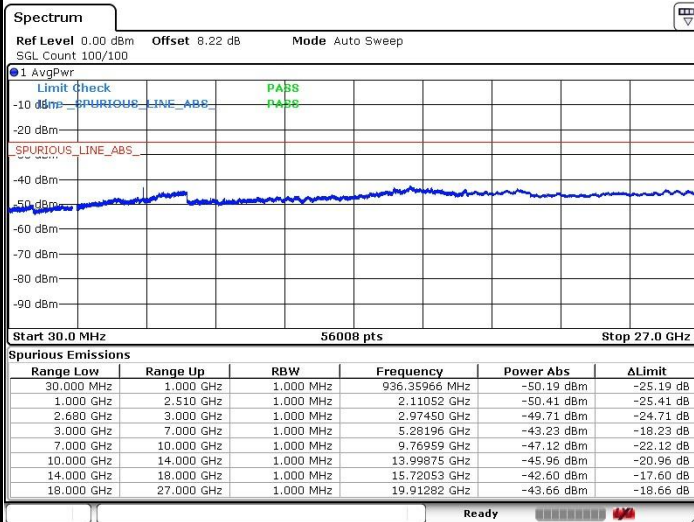
Middle Channel / 16QAM



Date: 20 AUG 2019 13:46:35

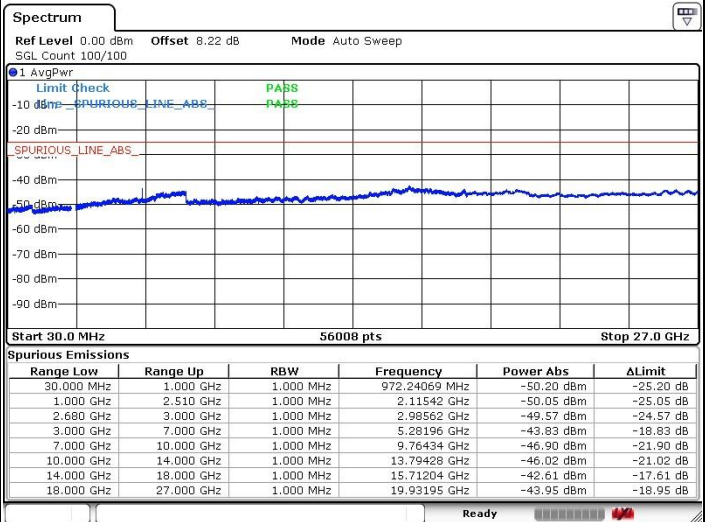


Highest Channel / QPSK



Date: 20 AUG 2019 13:48:27

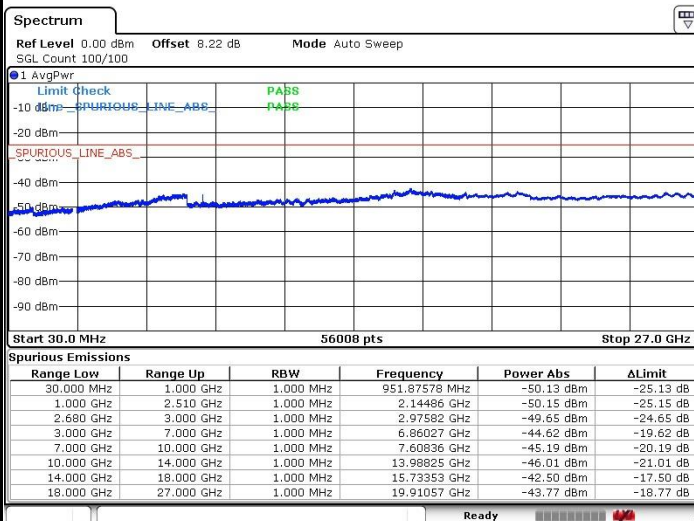
Highest Channel / 16QAM



Date: 20 AUG 2019 13:49:27

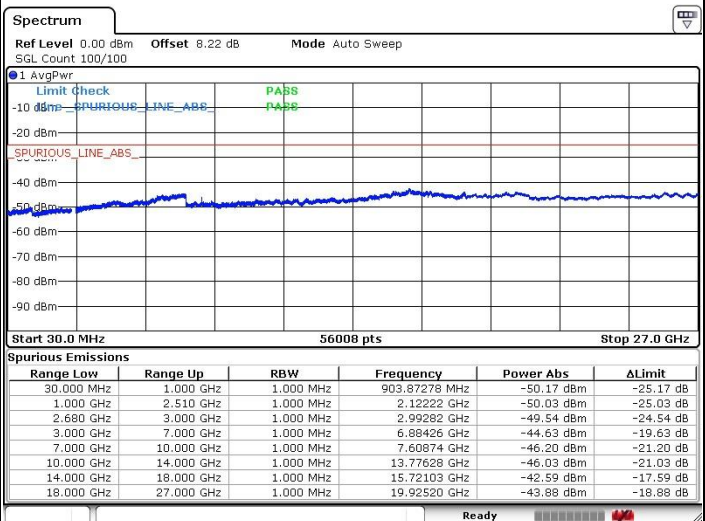
LTE Band 41 / 20MHz

Lowest Channel / QPSK



Date: 20 AUG 2019 13:54:36

Lowest Channel / 16QAM

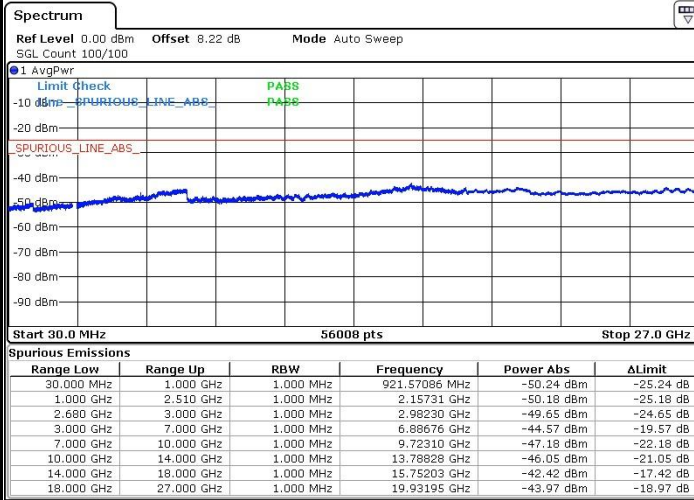


Date: 20 AUG 2019 13:55:46



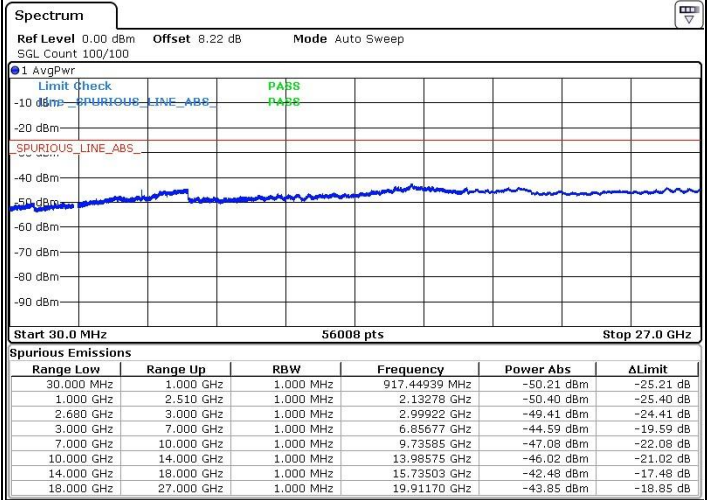
LTE Band 41 / 20MHz

Middle Channel / QPSK



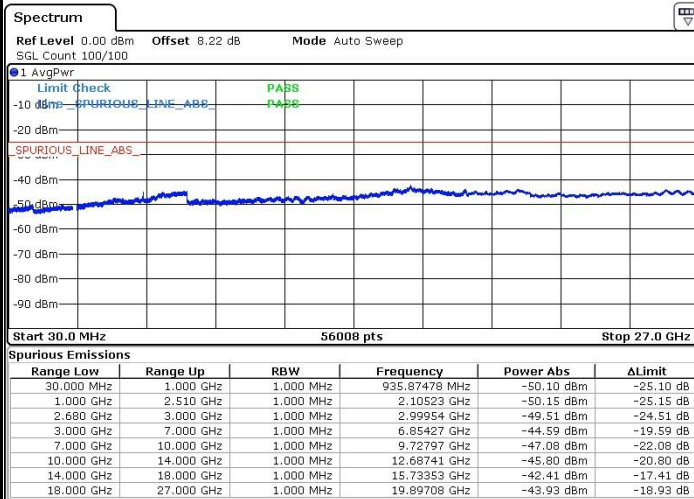
Date: 20 AUG 2019 13:53:47

Middle Channel / 16QAM



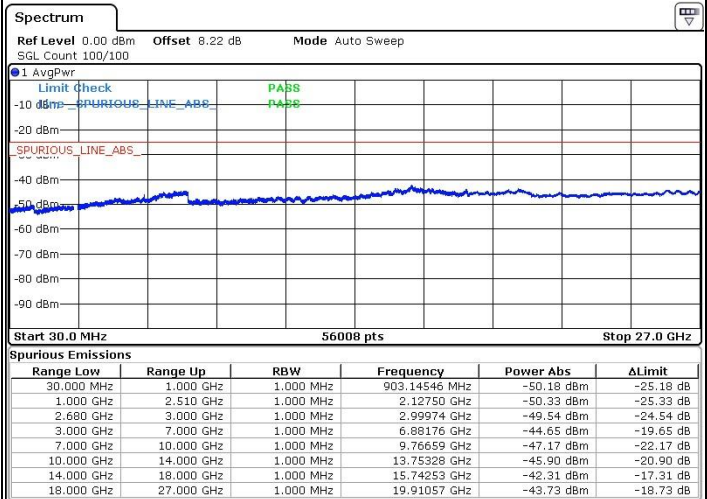
Date: 20 AUG 2019 13:52:38

Highest Channel / QPSK



Date: 20 AUG 2019 13:59:43

Highest Channel / 16QAM

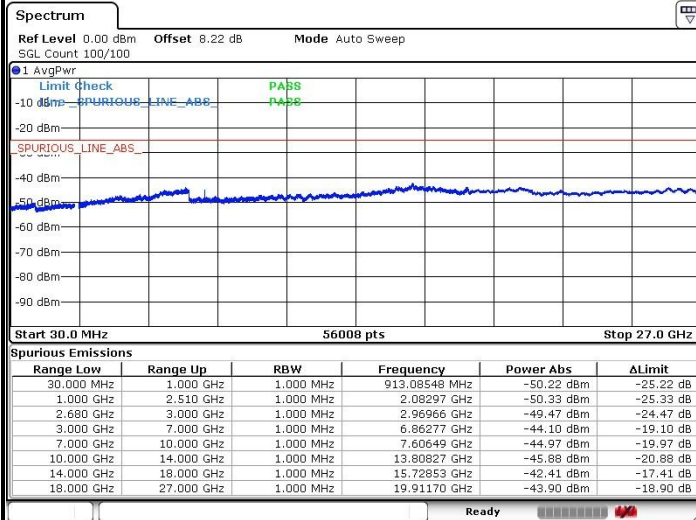


Date: 20 AUG 2019 13:58:46



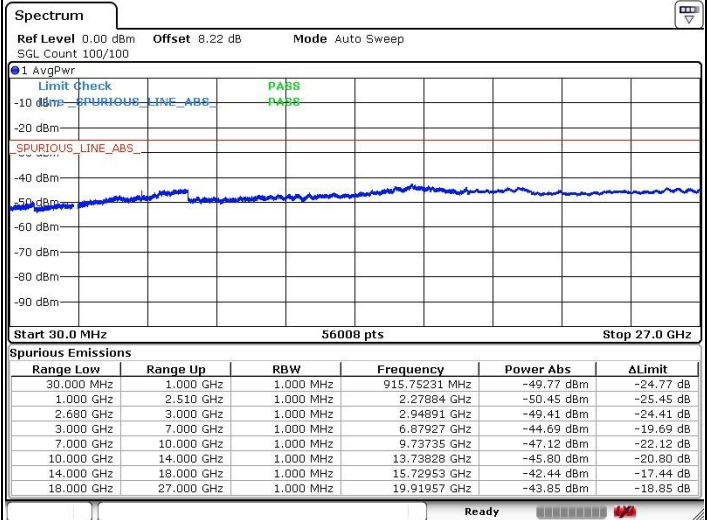
LTE Band 41 / 5MHz

Lowest Channel / 64QAM



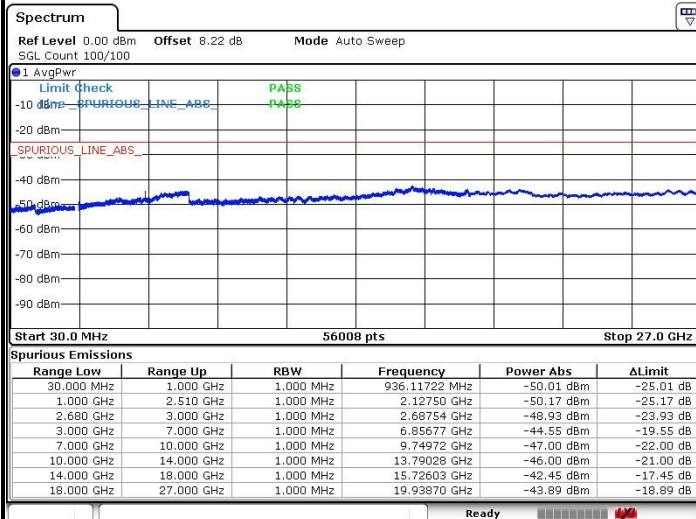
Date: 20 AUG 2019 13:21:43

Middle Channel / 64QAM



Date: 20 AUG 2019 13:20:48

Highest Channel / 64QAM

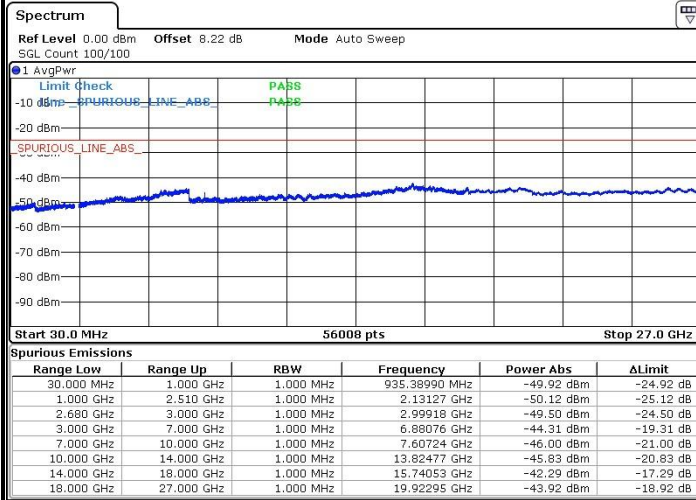


Date: 20 AUG 2019 13:26:07



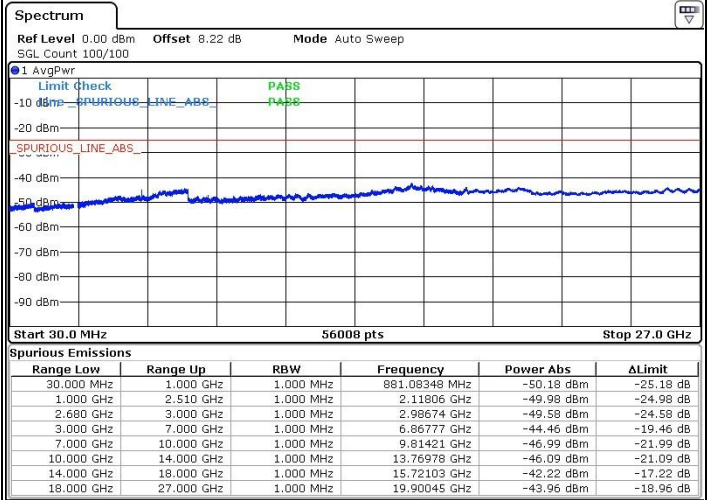
LTE Band 41 / 10MHz

Lowest Channel / 64QAM



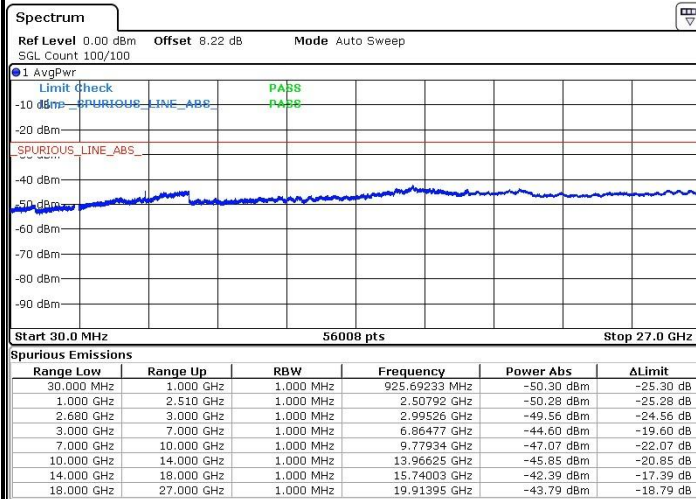
Date: 20 AUG 2019 13:35:01

Middle Channel / 64QAM



Date: 20 AUG 2019 13:27:19

Highest Channel / 64QAM

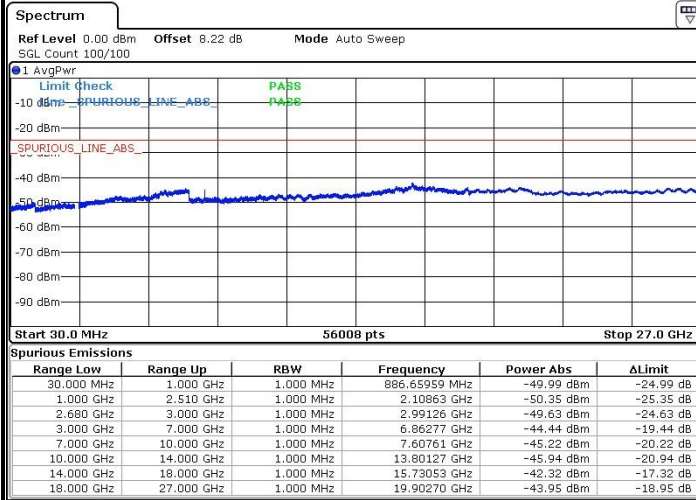


Date: 20 AUG 2019 13:36:46



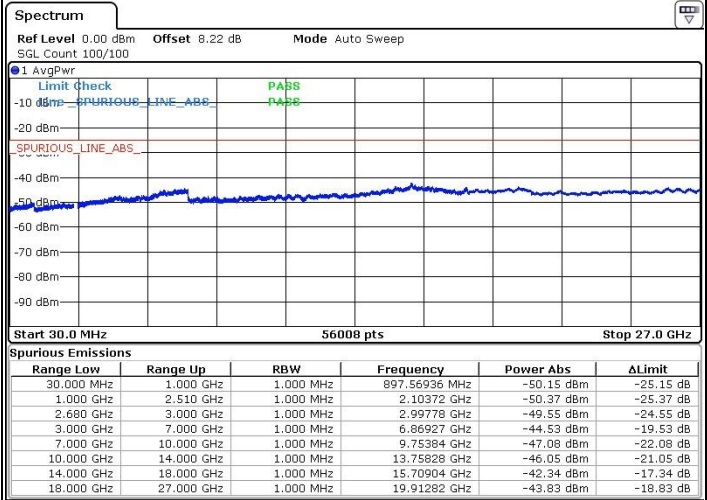
LTE Band 41 / 15MHz

Lowest Channel / 64QAM



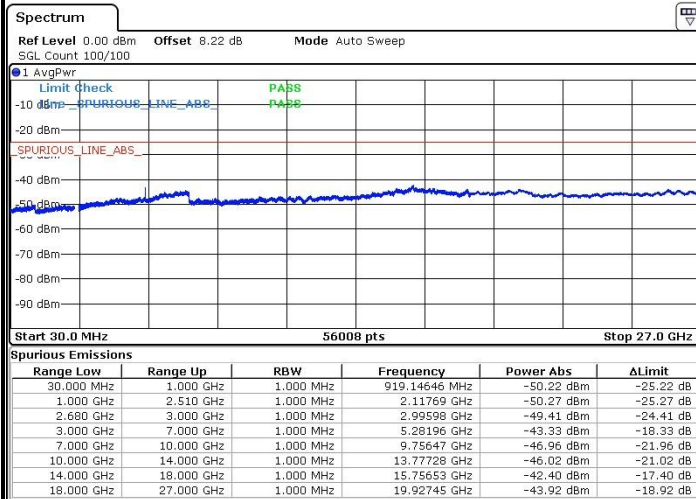
Date: 20 AUG 2019 13:44:32

Middle Channel / 64QAM



Date: 20 AUG 2019 13:45:43

Highest Channel / 64QAM

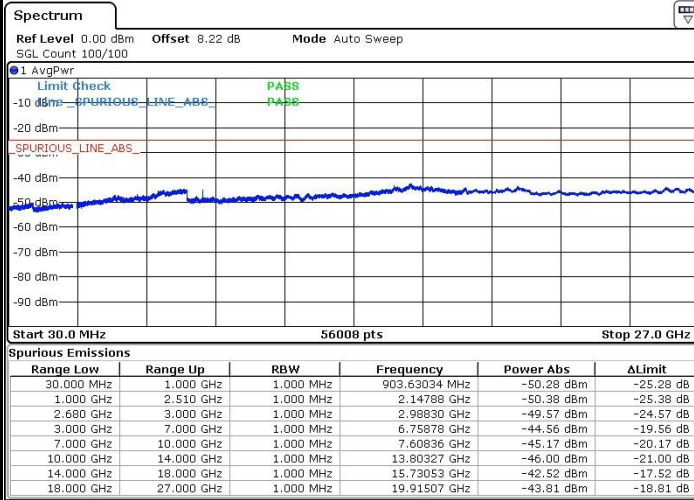


Date: 20 AUG 2019 13:50:22



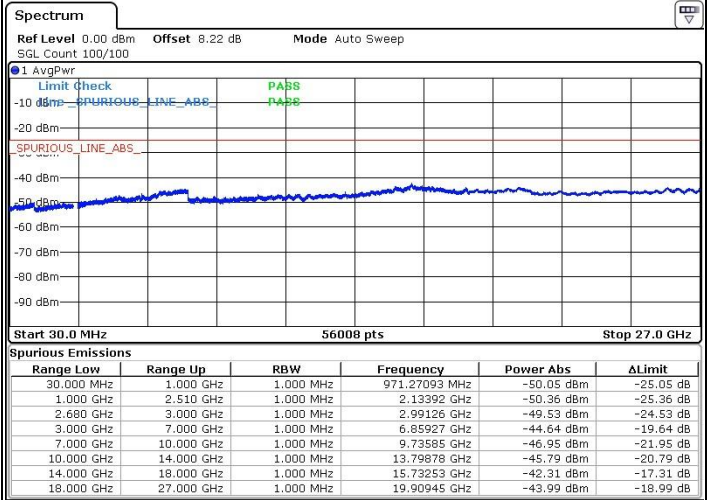
LTE Band 41 / 20MHz

Lowest Channel / 64QAM



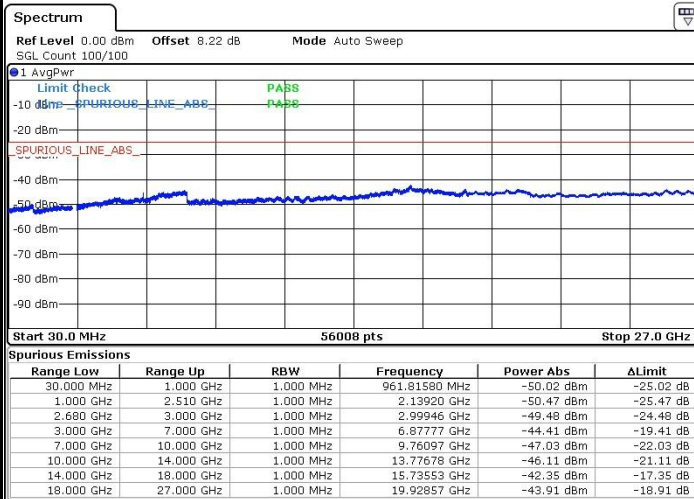
Date: 20 AUG 2019 13:56:56

Middle Channel / 64QAM



Date: 20 AUG 2019 13:51:38

Highest Channel / 64QAM



Date: 20 AUG 2019 13:57:52

**Frequency Stability**

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0045	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0028	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0036	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0009	
20	Battery End Point	0.0010	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0023	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0023	
20	Normal Voltage	0.0033	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0004	PASS
40	Normal Voltage	0.0045	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0014	
0	Normal Voltage	0.0009	
-10	Normal Voltage	0.0026	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0036	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0008	
20	Battery End Point	0.0012	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0004	
30	Normal Voltage	0.0023	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0020	
-10	Normal Voltage	0.0026	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0005	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.4 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	-56.99	-13	-43.99	-69.25	2.641	14.90	H
	5613	-53.84	-13	-40.84	-65.70	2.94	14.80	H
	7488	-50.19	-13	-37.19	-59.96	3.39	13.16	H
	3741	-56.90	-13	-43.90	-69.16	2.64	14.90	V
	5613	-54.12	-13	-41.12	-65.98	2.94	14.80	V
	7488	-49.62	-13	-36.62	-59.39	3.39	13.16	V

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

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	-61.95	-13	-48.95	-72.69	2.604	13.34	H
	5172	-55.10	-13	-42.10	-65.61	3.011	13.52	H
	6895	-52.87	-13	-39.87	-63.07	3.271	13.47	H
	3447	-61.38	-13	-48.38	-72.12	2.604	13.34	V
	5172	-55.51	-13	-42.51	-66.02	3.011	13.52	V
	6895	-52.58	-13	-39.58	-62.78	3.271	13.47	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1660	-68.21	-13	-55.21	-75.18	1.58	10.70	H
	2490	-53.66	-13	-40.66	-61.91	2.102	12.50	H
	3318	-64.44	-13	-51.44	-73.33	2.856	13.90	H
	1660	-67.30	-13	-54.30	-74.27	1.58	10.70	V
	2490	-49.81	-13	-36.81	-58.06	2.10	12.50	V
	3318	-64.23	-13	-51.23	-73.12	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)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	5172	-62.84	-25	-37.84	-73.05	3.03	13.24	H
	7760	-58.73	-25	-33.73	-68.18	3.56	13.01	H
	10340	-56.53	-25	-31.53	-66.05	3.92	13.44	H
	5172	-63.45	-25	-38.45	-73.66	3.03	13.24	V
	7758	-60.06	-25	-35.06	-69.51	3.56	13.01	V
	10340	-54.13	-25	-29.13	-63.65	3.92	13.44	V

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



Appendix D. Reference Report

Please refer to Sporton report number FG962524B which is issued separately.