



Highest Band Edge / 1 RB



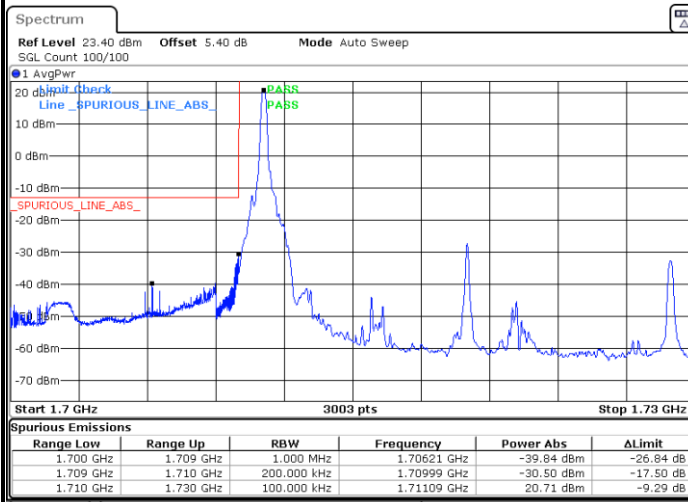
Highest Band Edge / Full RB



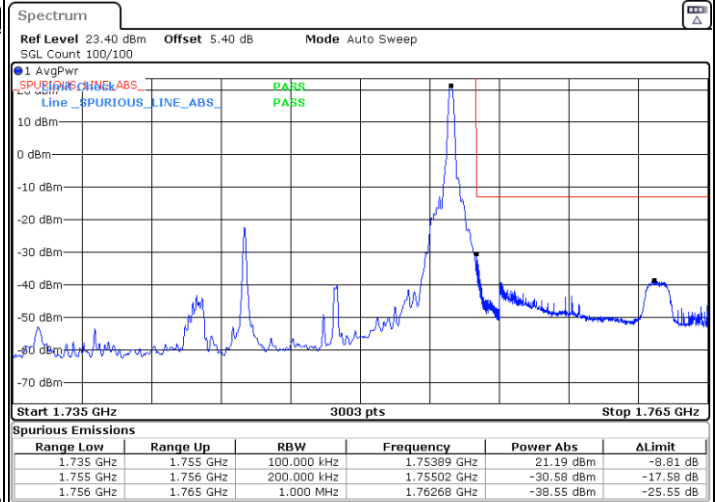


LTE Band 4 / 20MHz / 16QAM

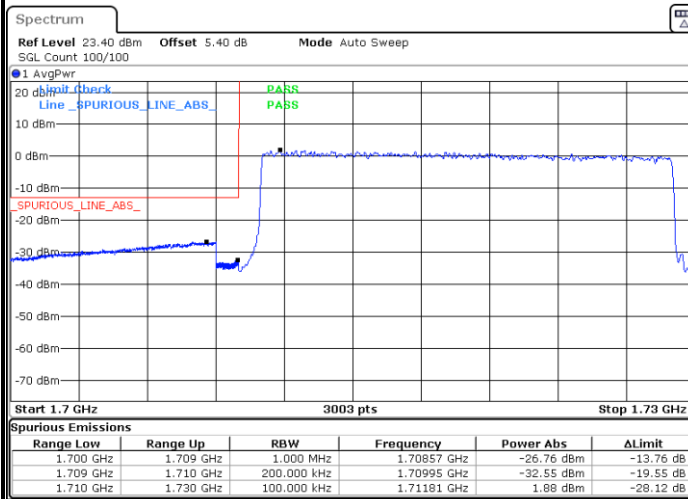
Lowest Band Edge / 1 RB



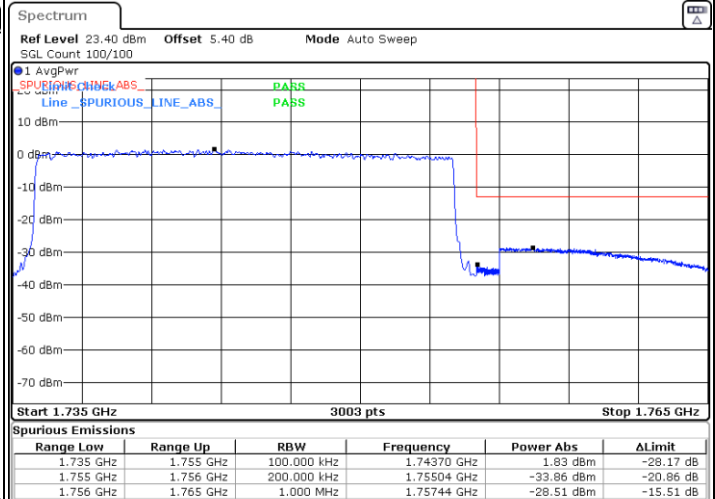
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



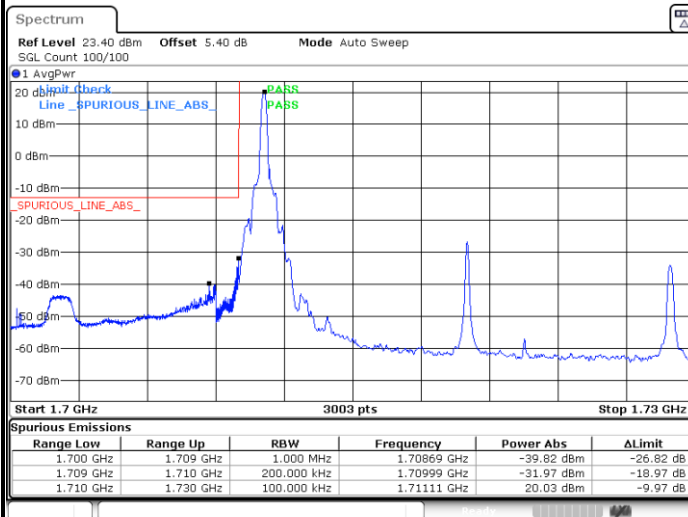
Highest Band Edge / Full RB



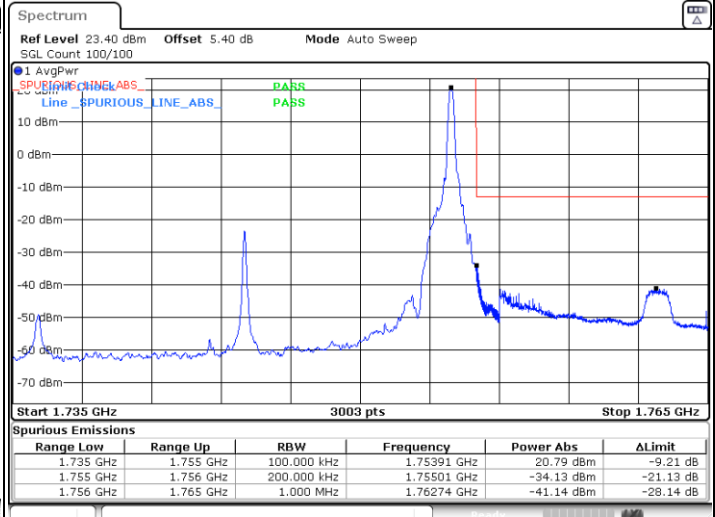


LTE Band 4 / 20MHz / 64QAM

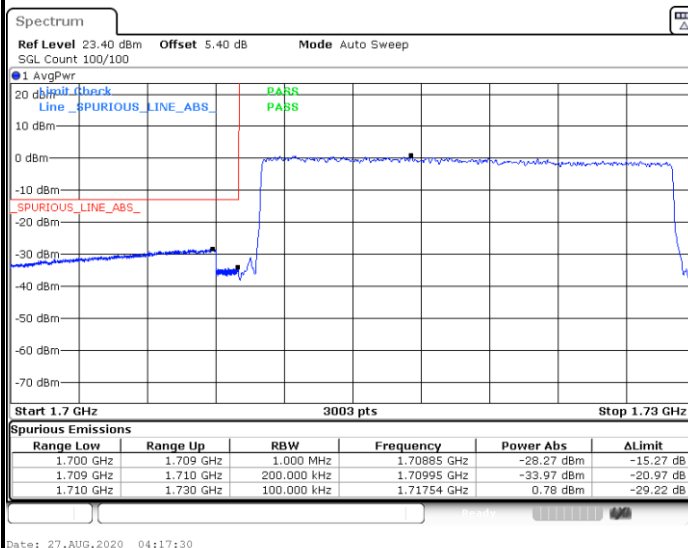
Lowest Band Edge / 1 RB



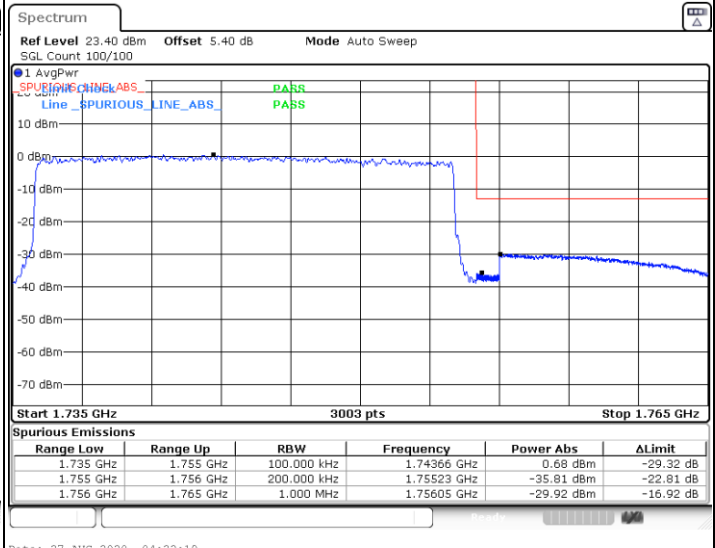
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

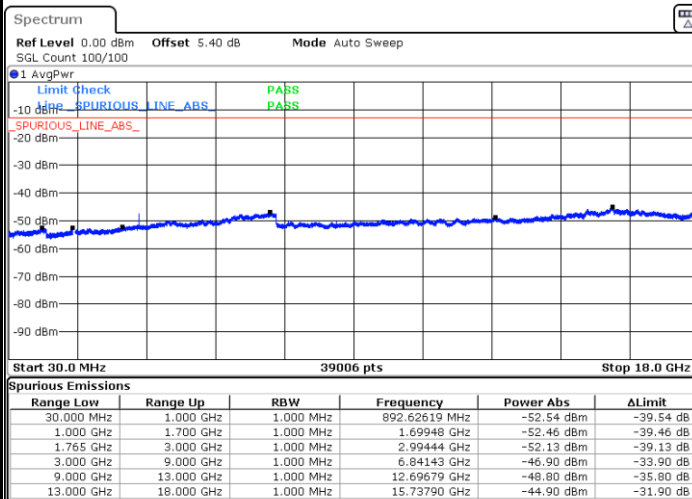




Conducted Spurious Emission

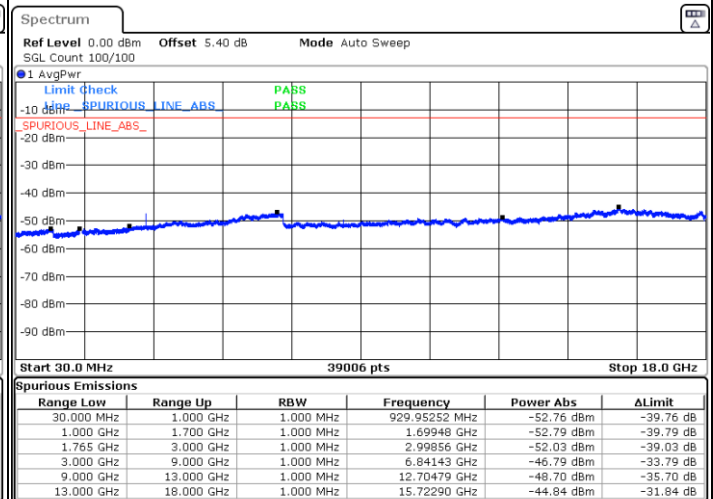
LTE Band 4 / 1.4MHz

Lowest Channel / QPSK



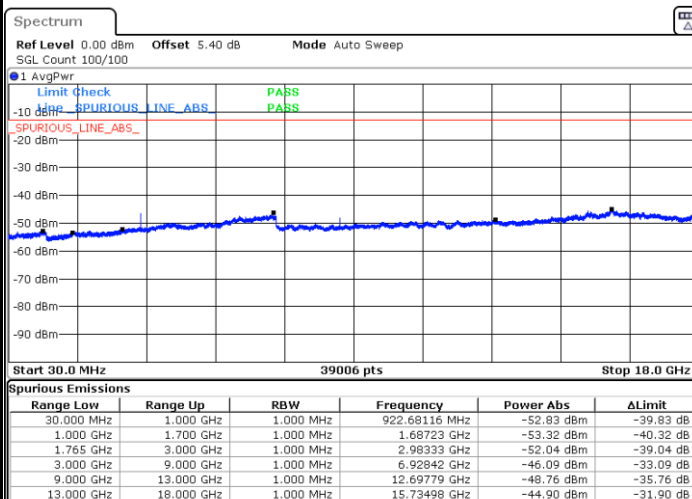
Date: 27.AUG.2020 00:51:10

Lowest Channel / 16QAM



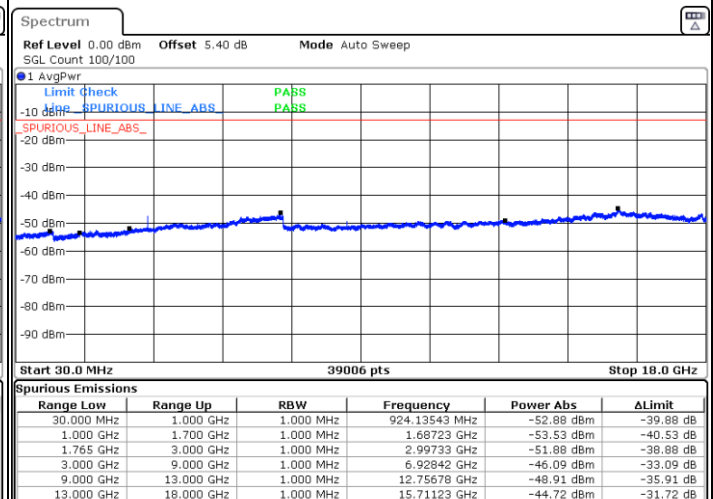
Date: 27.AUG.2020 00:52:07

Middle Channel / QPSK



Date: 27.AUG.2020 00:53:43

Middle Channel / 16QAM

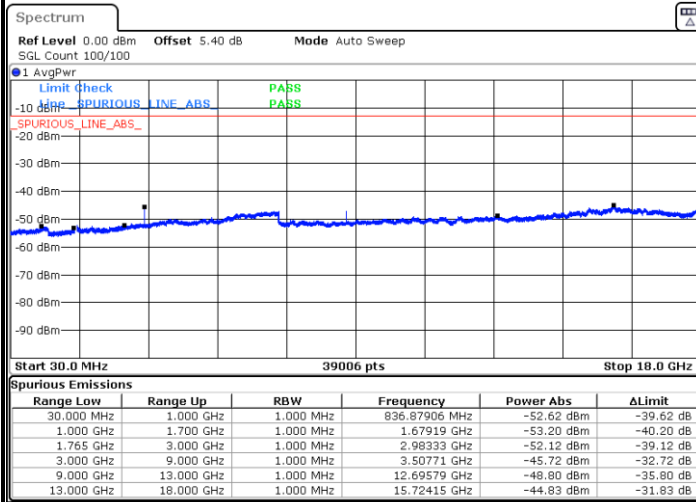


Date: 27.AUG.2020 00:54:40



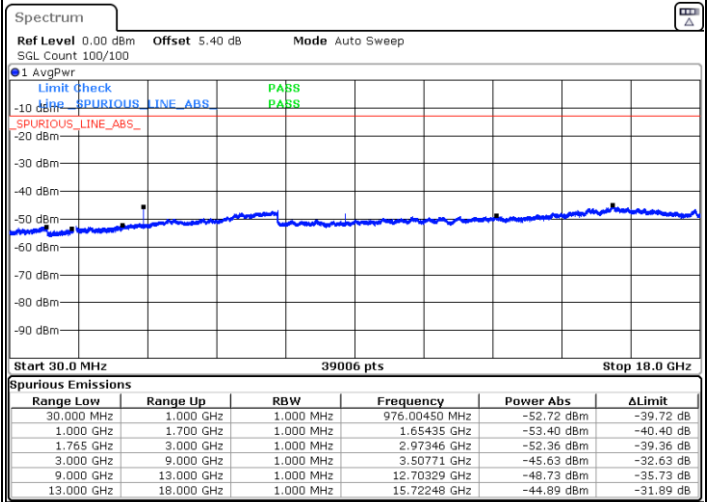
LTE Band 4 / 1.4MHz

Highest Channel / QPSK



Date: 27.AUG.2020 01:00:50

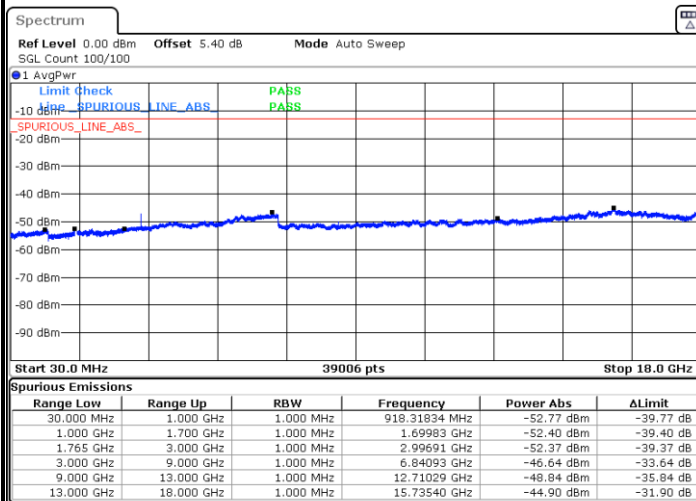
Highest Channel / 16QAM



Date: 27.AUG.2020 01:01:47

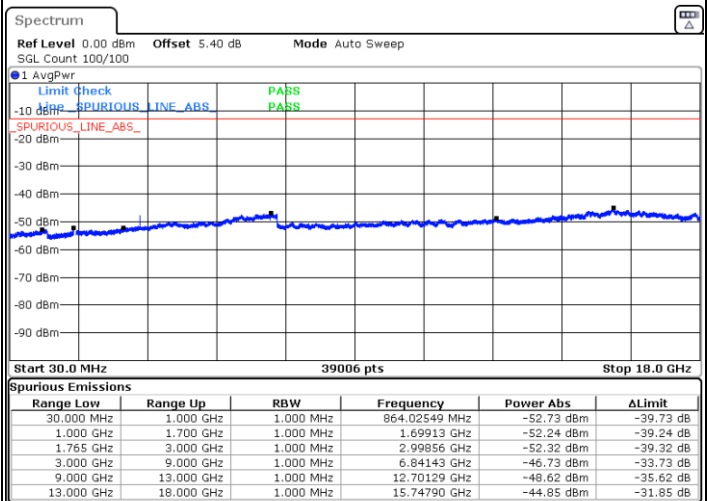
LTE Band 4 / 3MHz

Lowest Channel / QPSK



Date: 27.AUG.2020 01:10:29

Lowest Channel / 16QAM

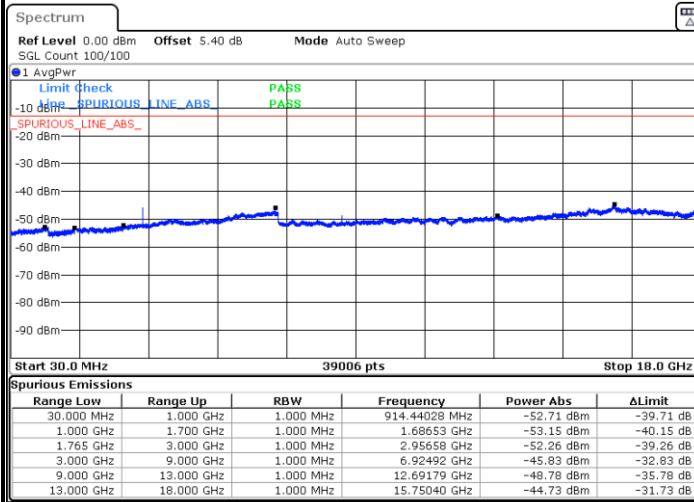


Date: 27.AUG.2020 01:11:26



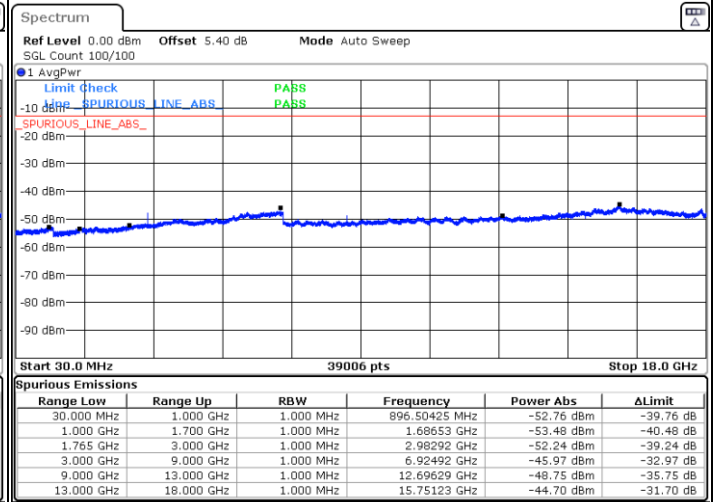
LTE Band 4 / 3MHz

Middle Channel / QPSK



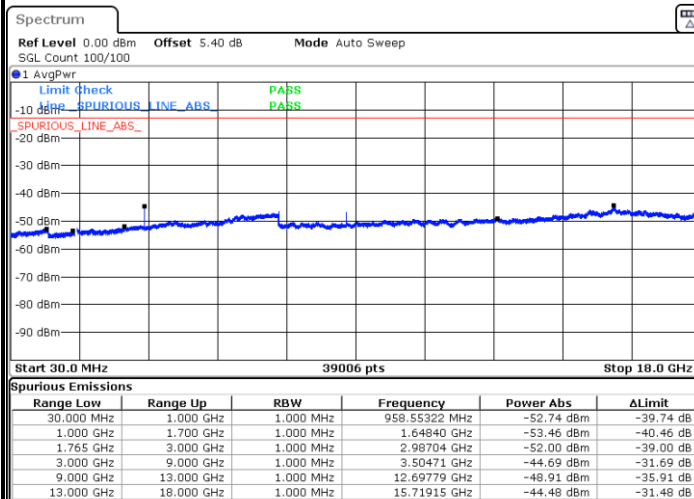
Date: 27.AUG.2020 01:13:03

Middle Channel / 16QAM



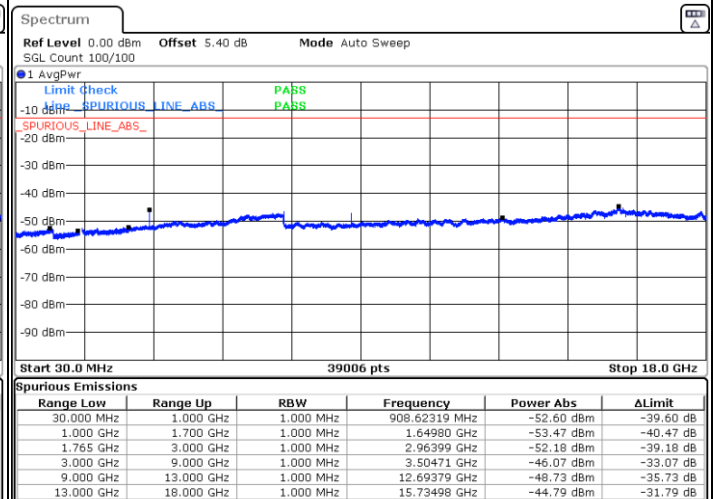
Date: 27.AUG.2020 01:13:59

Highest Channel / QPSK



Date: 27.AUG.2020 01:20:09

Highest Channel / 16QAM

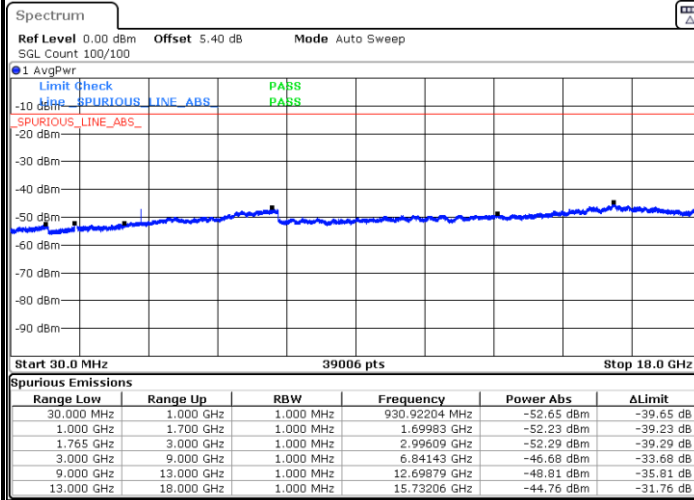


Date: 27.AUG.2020 01:21:06



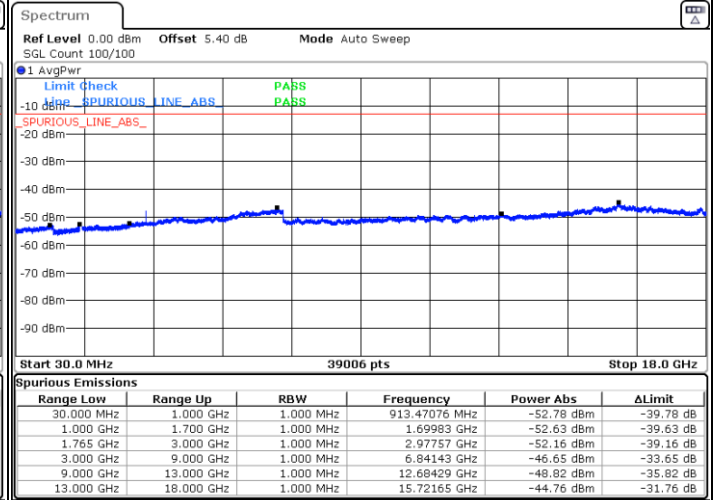
LTE Band 4 / 5MHz

Lowest Channel / QPSK



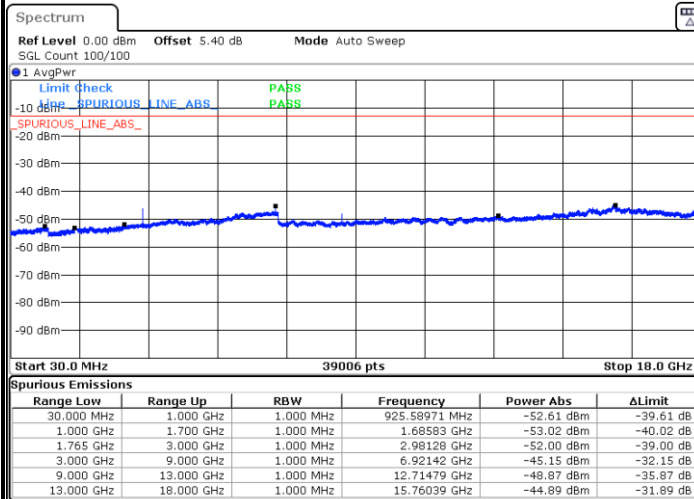
Date: 27.AUG.2020 01:27:44

Lowest Channel / 16QAM



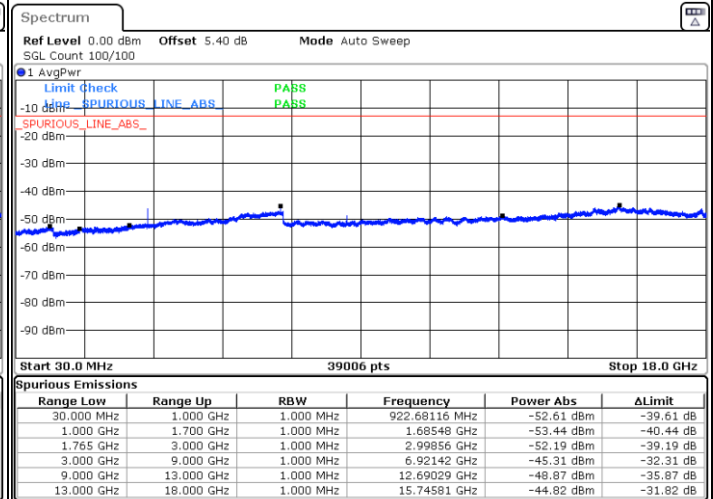
Date: 27.AUG.2020 01:28:40

Middle Channel / QPSK



Date: 27.AUG.2020 01:30:17

Middle Channel / 16QAM

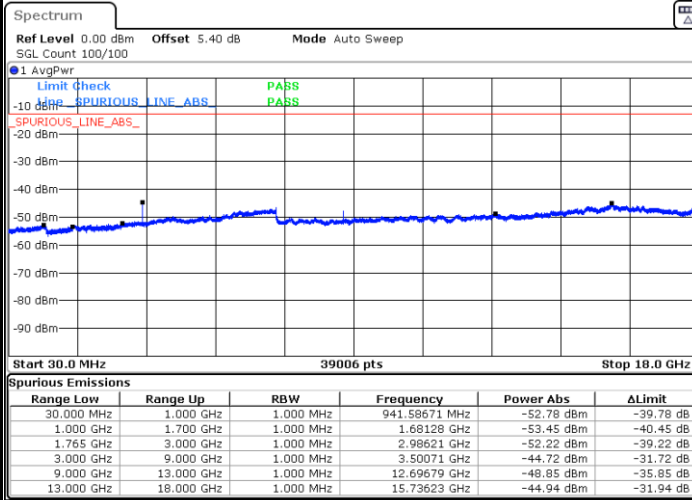


Date: 27.AUG.2020 01:31:14



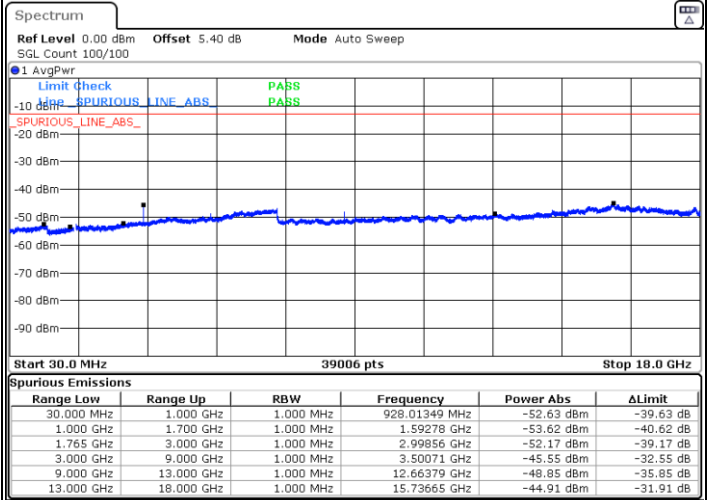
LTE Band 4 / 5MHz

Highest Channel / QPSK



Date: 27.AUG.2020 01:37:23

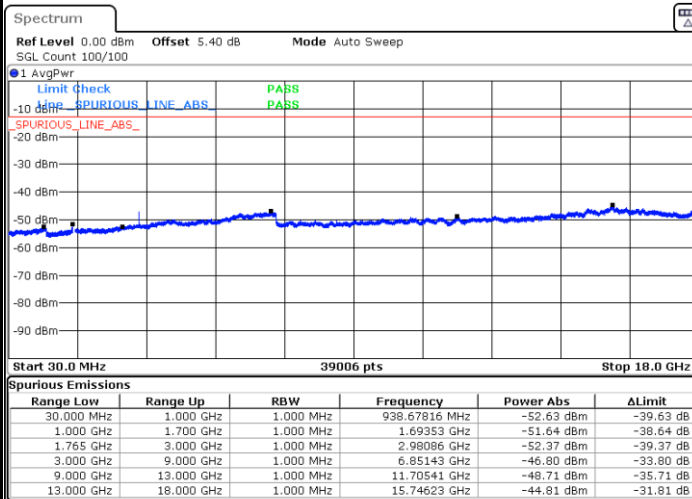
Highest Channel / 16QAM



Date: 27.AUG.2020 01:38:19

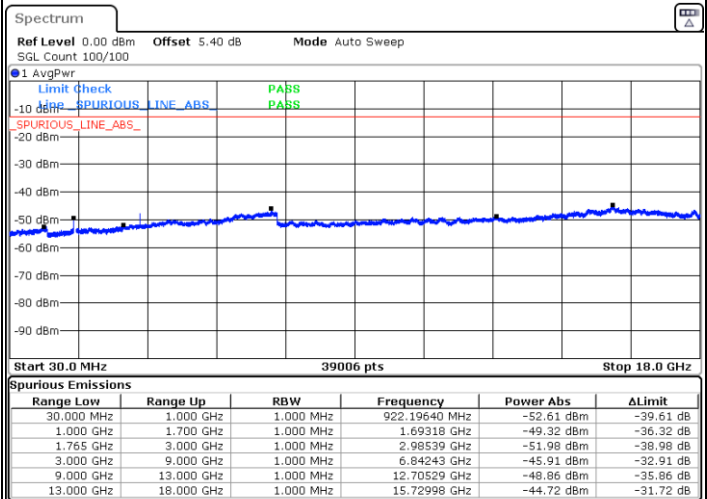
LTE Band 4 / 10MHz

Lowest Channel / QPSK



Date: 27.AUG.2020 01:52:06

Lowest Channel / 16QAM

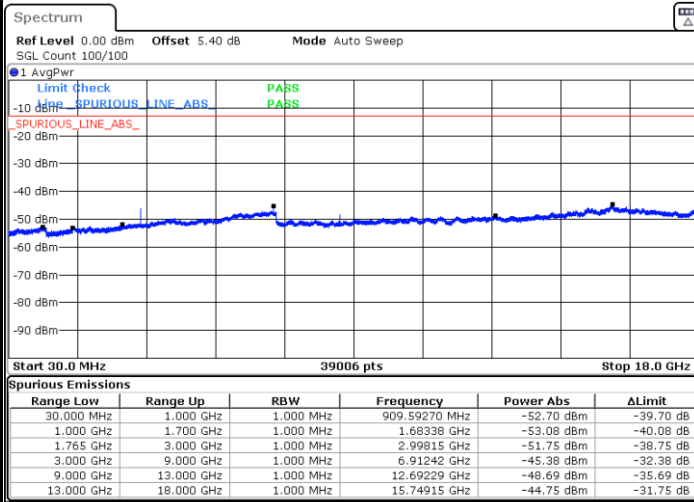


Date: 27.AUG.2020 01:53:02



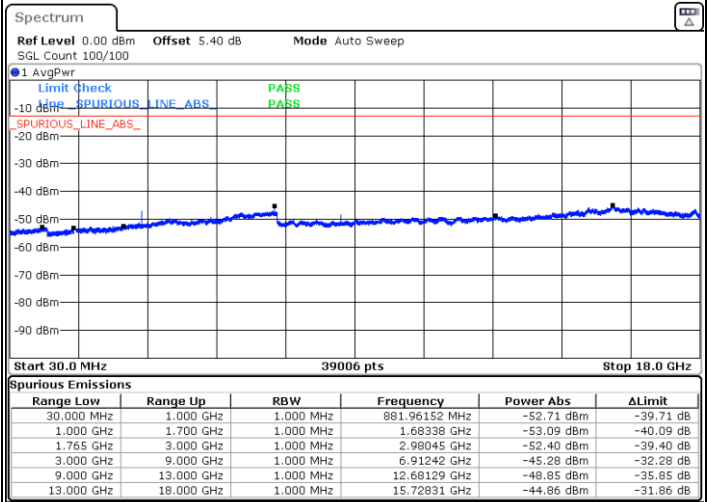
LTE Band 4 / 10MHz

Middle Channel / QPSK



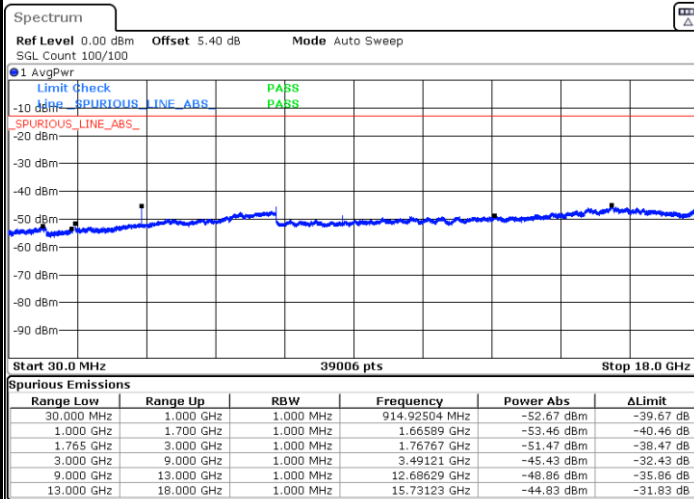
Date: 27.AUG.2020 01:54:39

Middle Channel / 16QAM



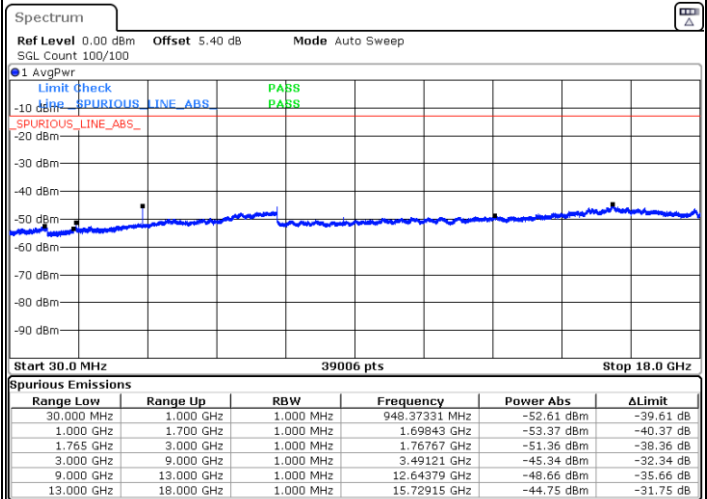
Date: 27.AUG.2020 01:55:36

Highest Channel / QPSK



Date: 27.AUG.2020 02:01:45

Highest Channel / 16QAM

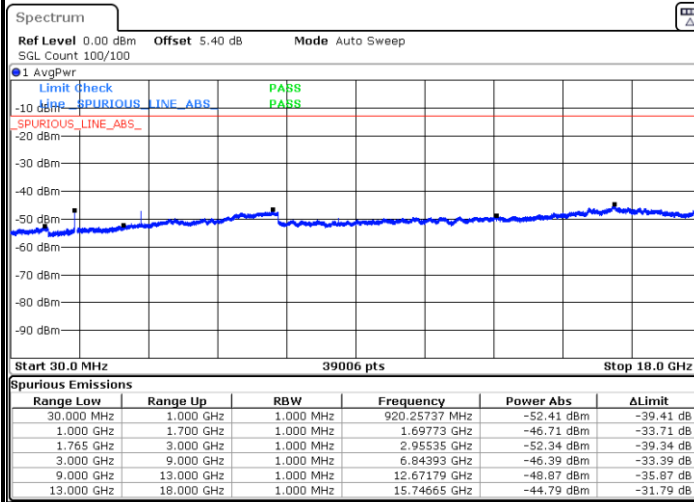


Date: 27.AUG.2020 02:02:42



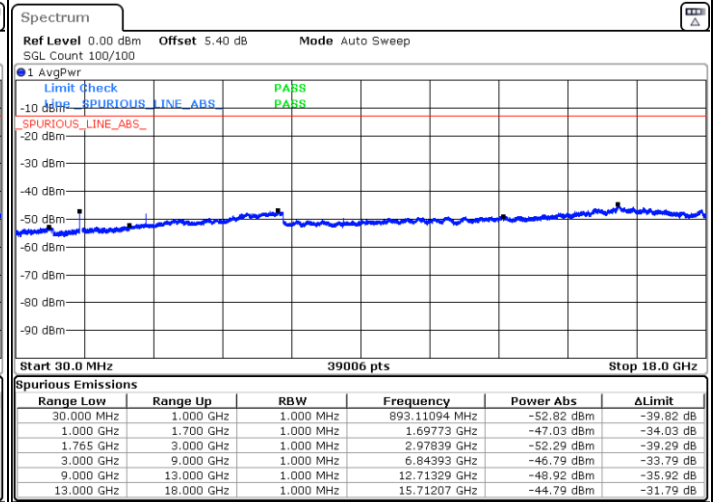
LTE Band 4 / 15MHz

Lowest Channel / QPSK



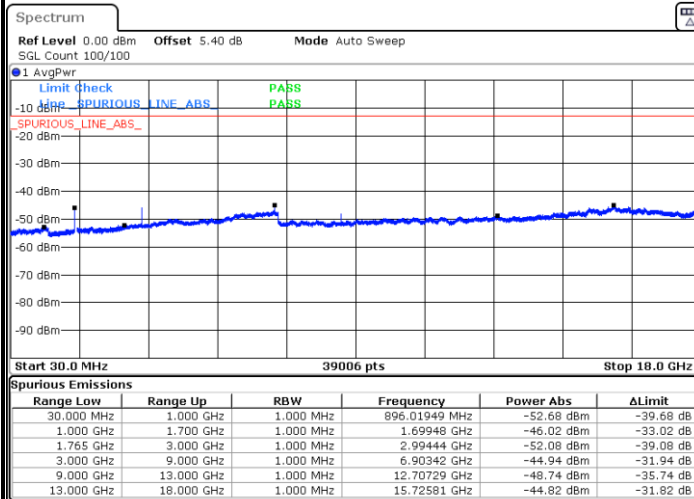
Date: 27.AUG.2020 02:26:05

Lowest Channel / 16QAM



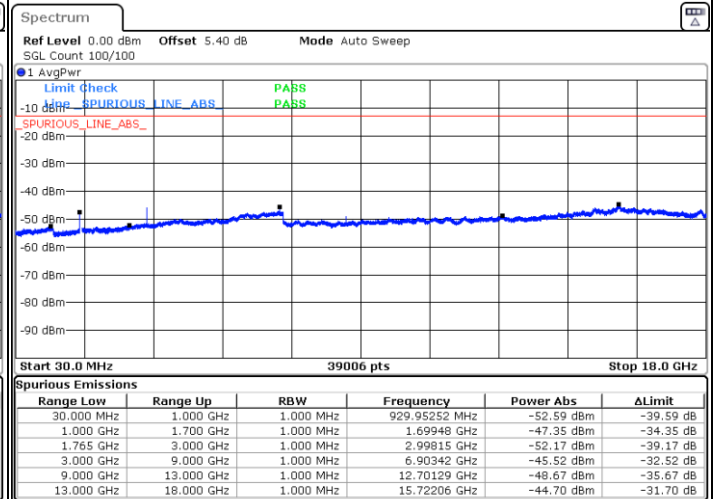
Date: 27.AUG.2020 02:27:02

Middle Channel / QPSK



Date: 27.AUG.2020 02:28:39

Middle Channel / 16QAM

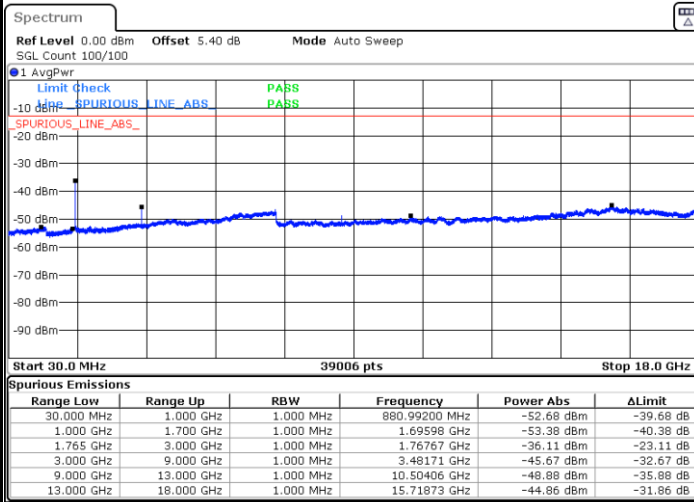


Date: 27.AUG.2020 02:29:36



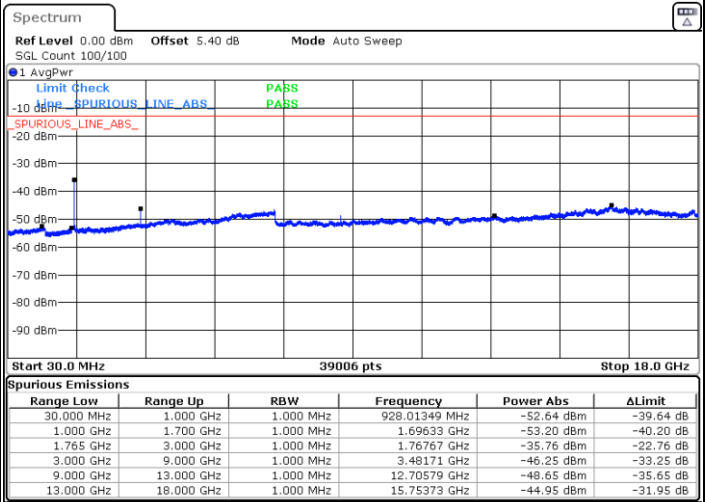
LTE Band 4 / 15MHz

Highest Channel / QPSK



Date: 27.AUG.2020 02:35:45

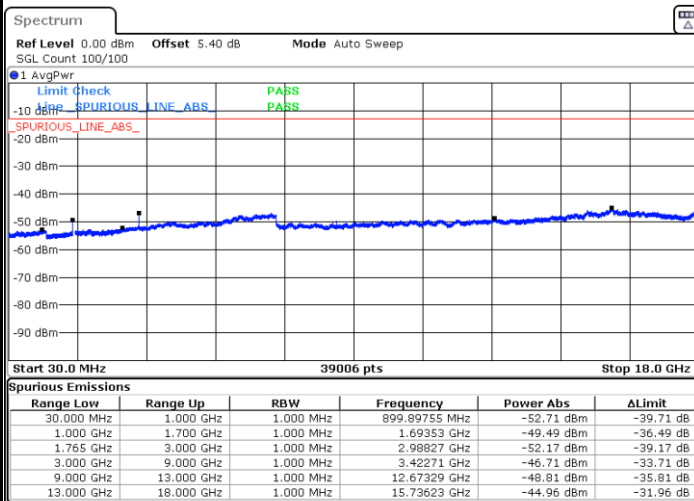
Highest Channel / 16QAM



Date: 27.AUG.2020 02:36:41

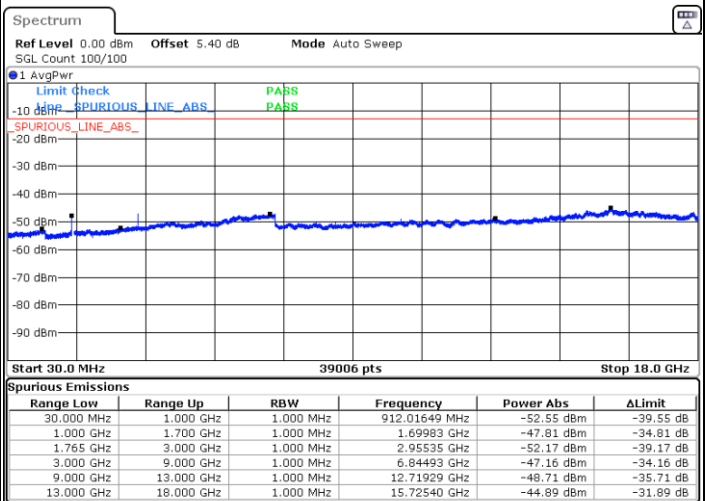
LTE Band 4 / 20MHz

Lowest Channel / QPSK



Date: 27.AUG.2020 02:48:02

Lowest Channel / 16QAM

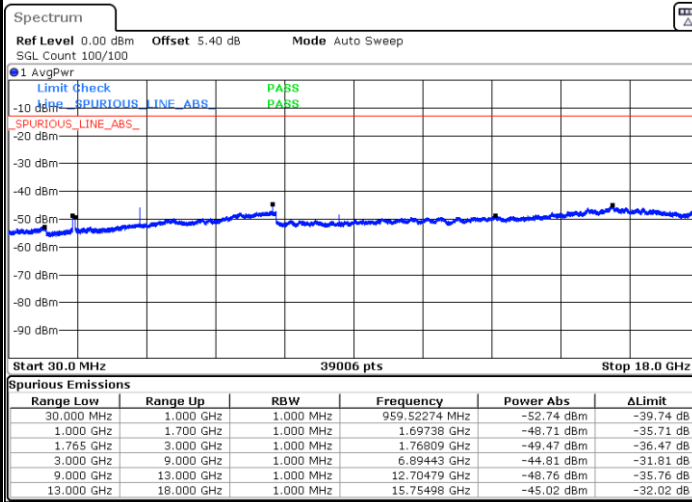


Date: 27.AUG.2020 02:48:59



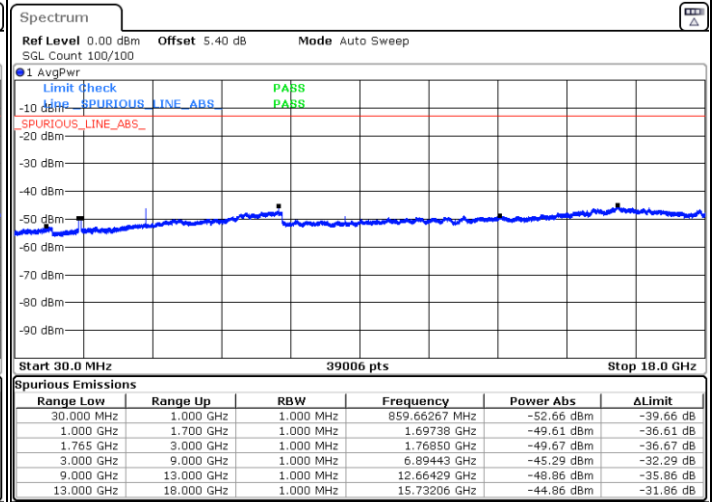
LTE Band 4 / 20MHz

Middle Channel / QPSK



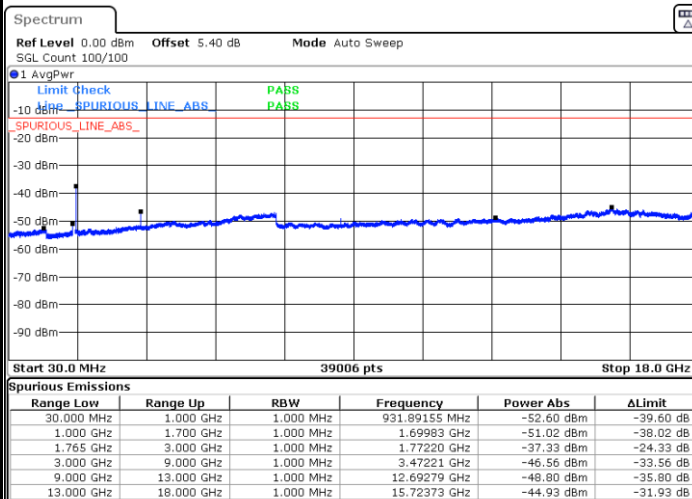
Date: 27.AUG.2020 02:50:36

Middle Channel / 16QAM



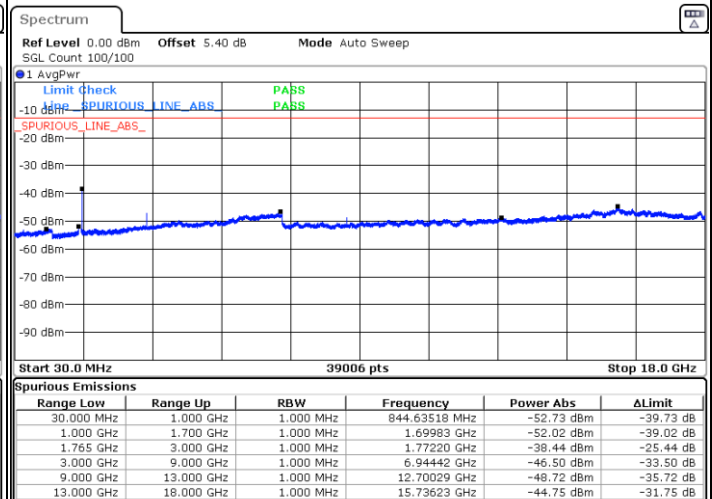
Date: 27.AUG.2020 02:51:33

Highest Channel / QPSK



Date: 27.AUG.2020 02:57:42

Highest Channel / 16QAM

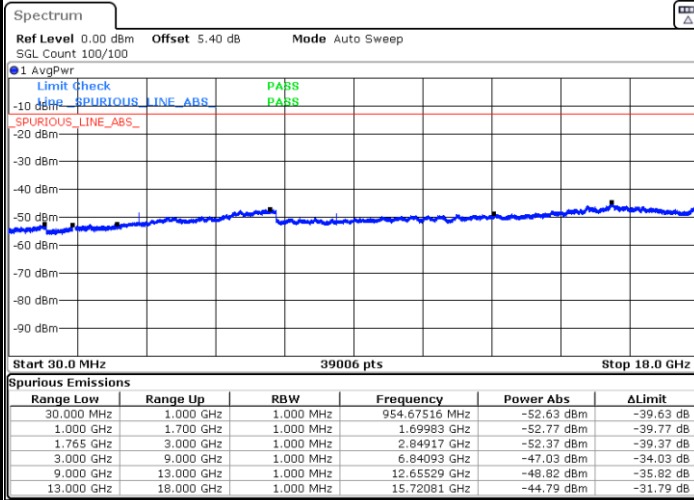


Date: 27.AUG.2020 02:58:38



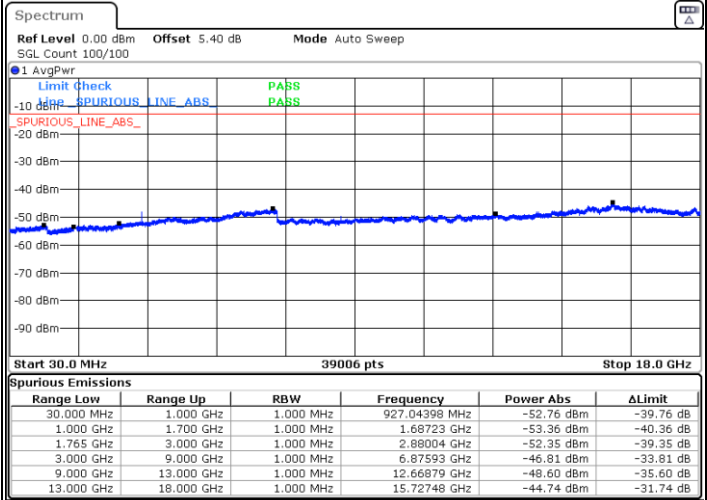
LTE Band 4 / 1.4MHz

Lowest Channel / 64QAM



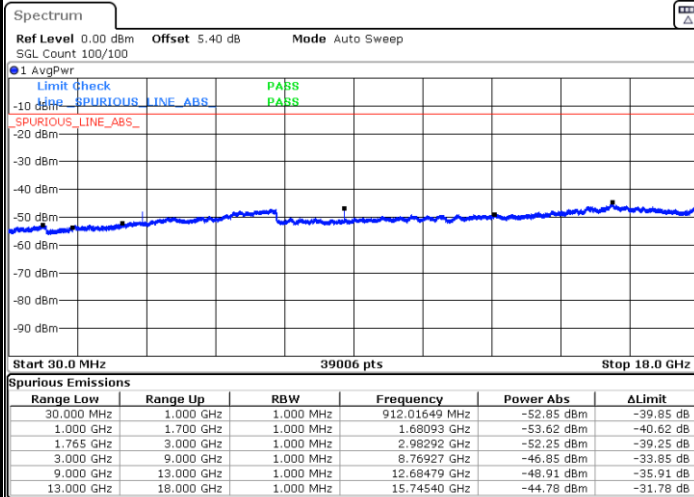
Date: 27.AUG.2020 03:04:22

Middle Channel / 64QAM



Date: 27.AUG.2020 03:05:39

Highest Channel / 64QAM

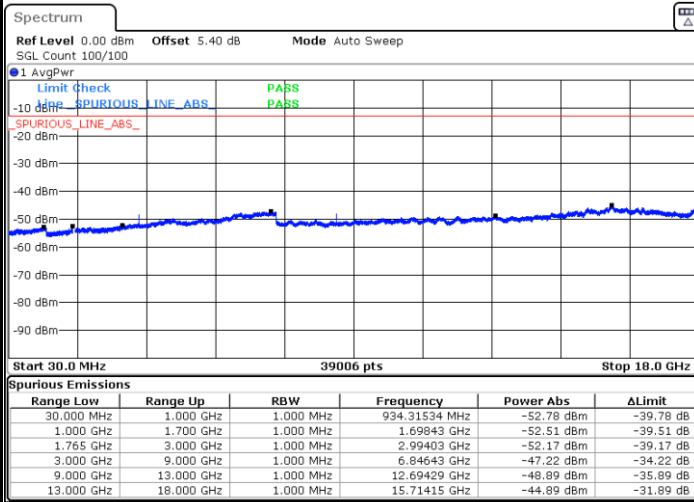


Date: 27.AUG.2020 03:09:12



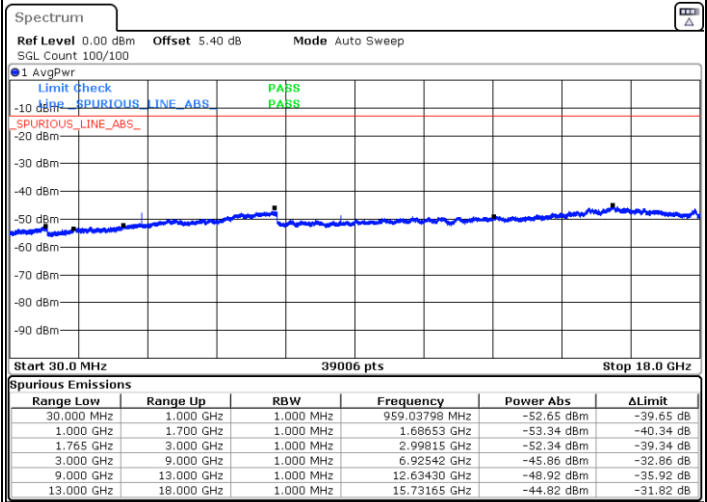
LTE Band 4 / 3MHz

Lowest Channel / 64QAM



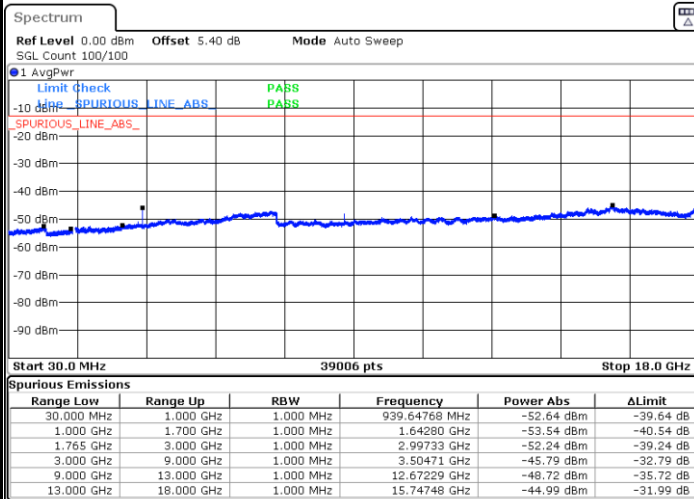
Date: 27.AUG.2020 03:14:27

Middle Channel / 64QAM



Date: 27.AUG.2020 03:15:44

Highest Channel / 64QAM

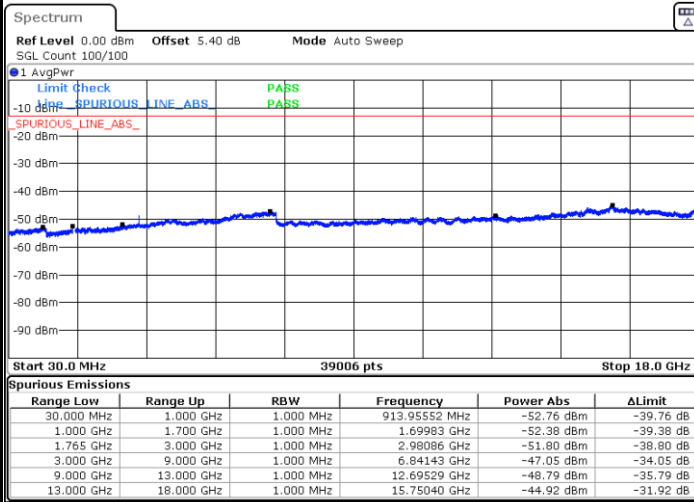


Date: 27.AUG.2020 03:19:16



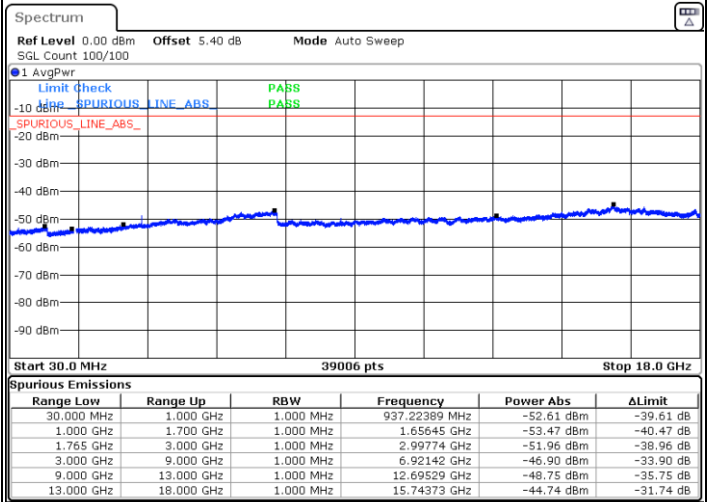
LTE Band 4 / 5MHz

Lowest Channel / 64QAM



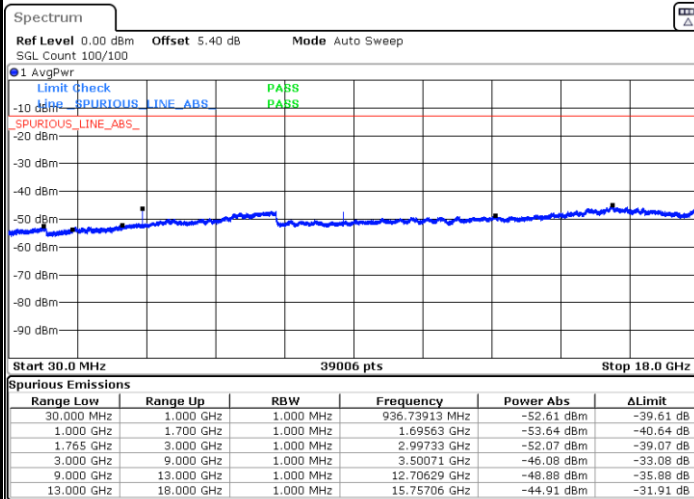
Date: 27.AUG.2020 03:30:06

Middle Channel / 64QAM



Date: 27.AUG.2020 03:31:23

Highest Channel / 64QAM

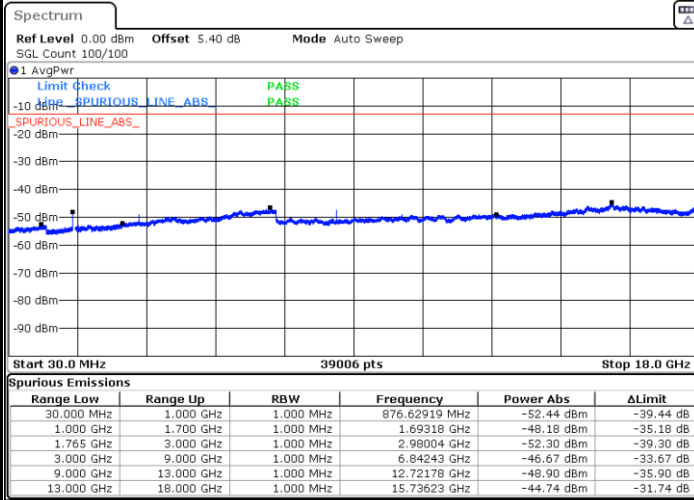


Date: 27.AUG.2020 03:34:55



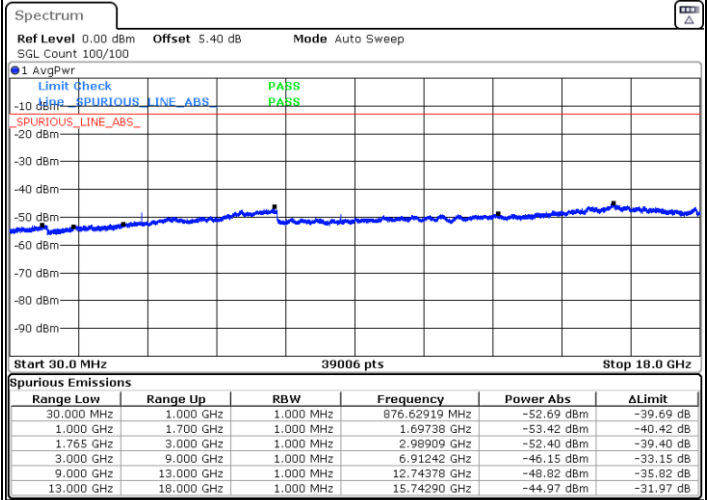
LTE Band 4 / 10MHz

Lowest Channel / 64QAM



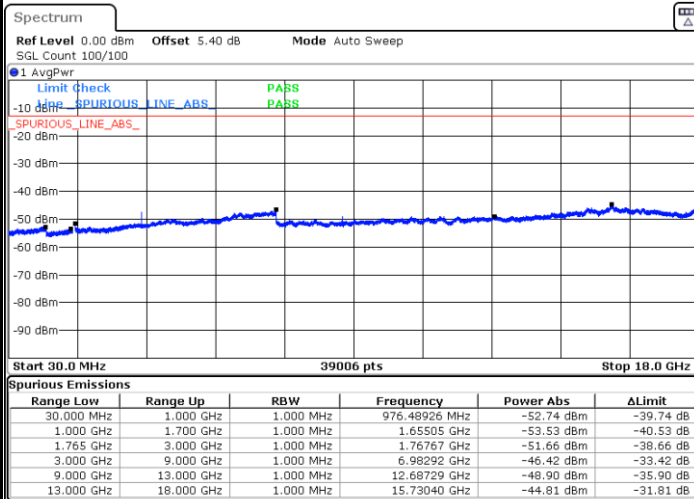
Date: 27.AUG.2020 03:41:09

Middle Channel / 64QAM



Date: 27.AUG.2020 03:42:26

Highest Channel / 64QAM

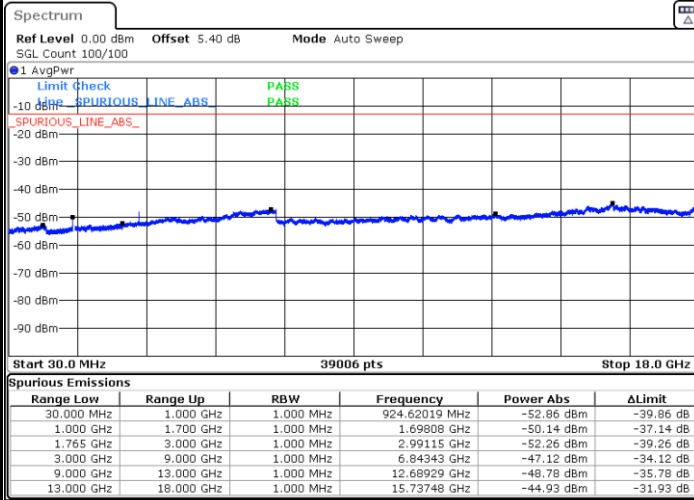


Date: 27.AUG.2020 03:45:58



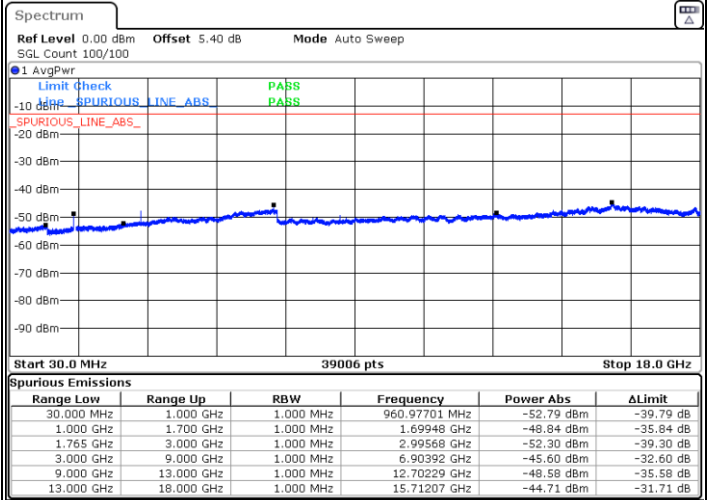
LTE Band 4 / 15MHz

Lowest Channel / 64QAM



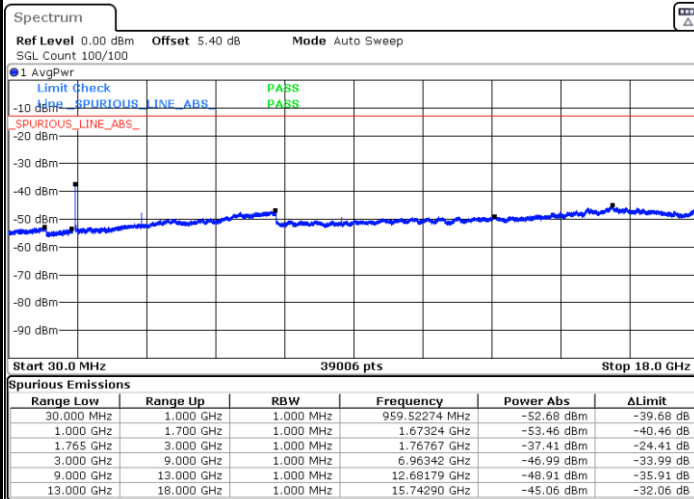
Date: 27.AUG.2020 04:09:05

Middle Channel / 64QAM



Date: 27.AUG.2020 04:10:22

Highest Channel / 64QAM

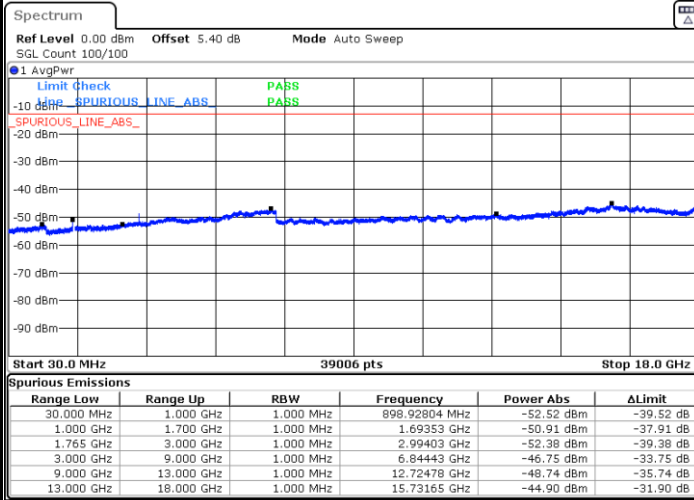


Date: 27.AUG.2020 04:13:55



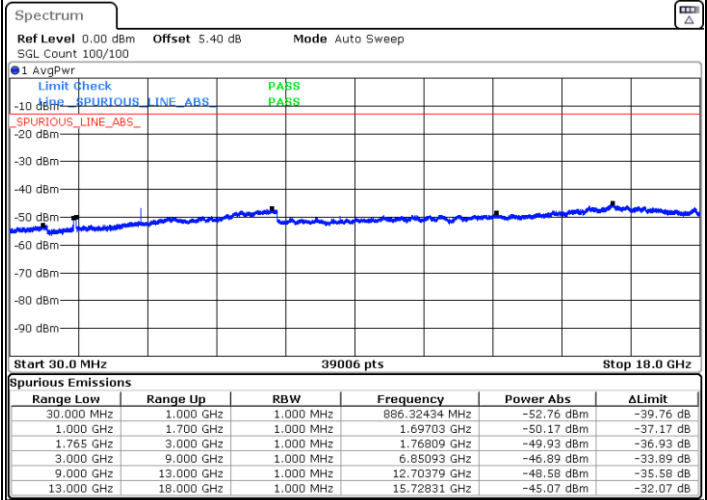
LTE Band 4 / 20MHz

Lowest Channel / 64QAM



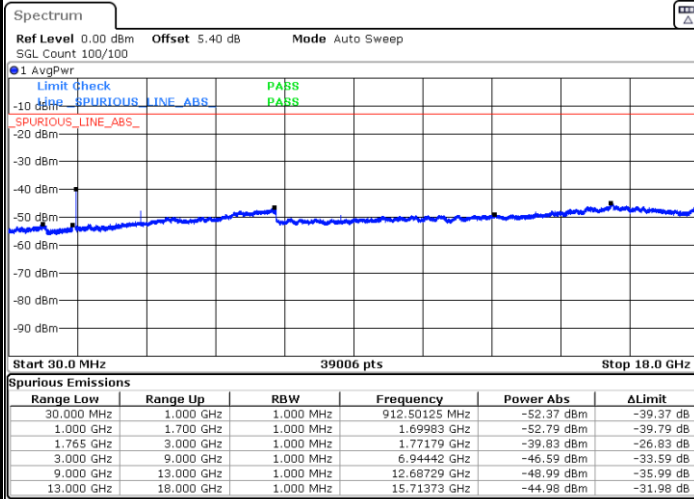
Date: 27.AUG.2020 04:18:26

Middle Channel / 64QAM



Date: 27.AUG.2020 04:19:43

Highest Channel / 64QAM



Date: 27.AUG.2020 04:23:15

Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0027	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0037	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.3 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)
Lowest	3423	-52.72	-13	-39.72	-63.46	2.604	13.34	H
	5133	-56.89	-13	-43.89	-67.40	3.011	13.52	H
	6840	-53.65	-13	-40.65	-63.85	3.271	13.47	H
	3423	-52.44	-13	-39.44	-63.18	2.604	13.34	V
	5133	-56.56	-13	-43.56	-67.07	3.011	13.52	V
	6840	-53.42	-13	-40.42	-63.62	3.271	13.47	V
Middle	3447	-55.40	-13	-42.40	-66.14	2.604	13.34	H
	5172	-57.30	-13	-44.30	-67.81	3.011	13.52	H
	6894	-53.78	-13	-40.78	-63.98	3.271	13.47	H
	3447	-60.23	-13	-47.23	-70.97	2.604	13.34	V
	5172	-56.40	-13	-43.40	-66.91	3.011	13.52	V
	6894	-53.99	-13	-40.99	-64.19	3.271	13.47	V
Highest	3471	-52.84	-13	-39.84	-63.58	2.604	13.34	H
	5208	-55.96	-13	-42.96	-66.47	3.011	13.52	H
	6948	-53.76	-13	-40.76	-63.96	3.271	13.47	H
	3471	-59.47	-13	-46.47	-70.21	2.604	13.34	V
	5208	-52.49	-13	-39.49	-63.00	3.011	13.52	V
	6948	-53.74	-13	-40.74	-63.94	3.271	13.47	V

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