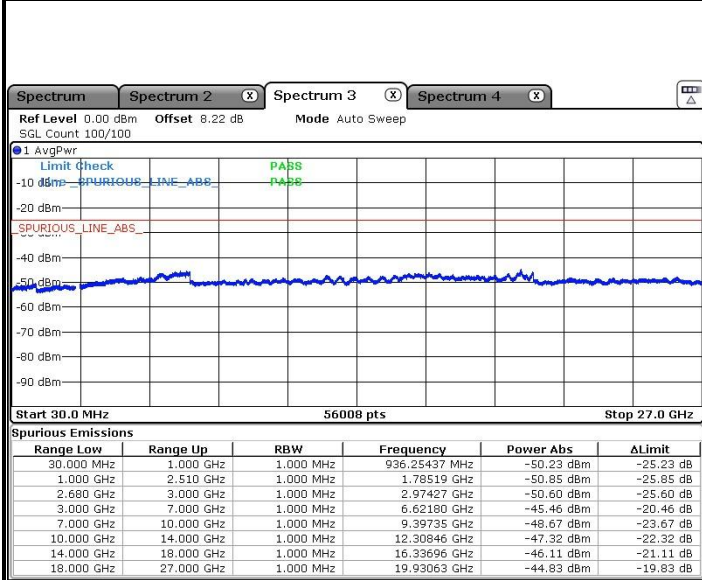




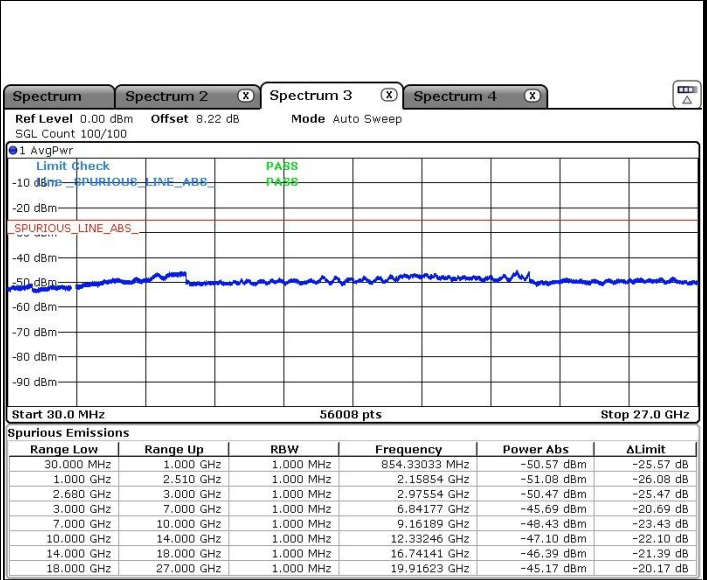
LTE Band 41 / 10MHz

Middle Channel / QPSK



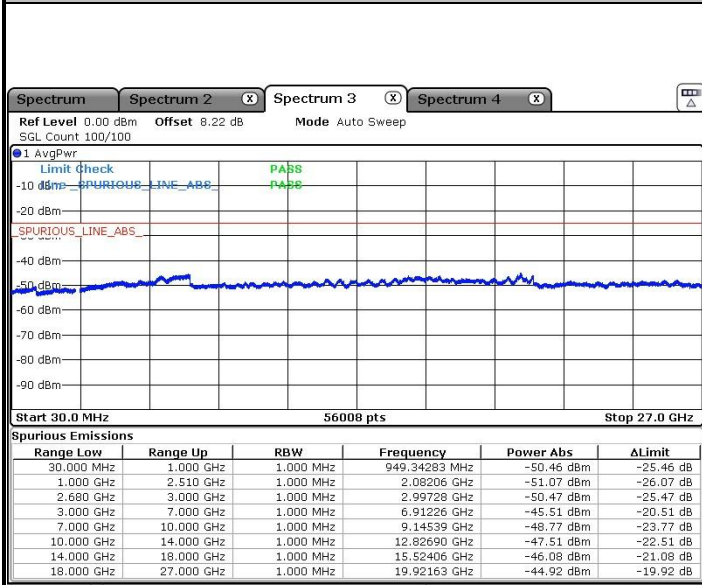
Date: 17.SEP.2020 19:30:41

Middle Channel / 16QAM



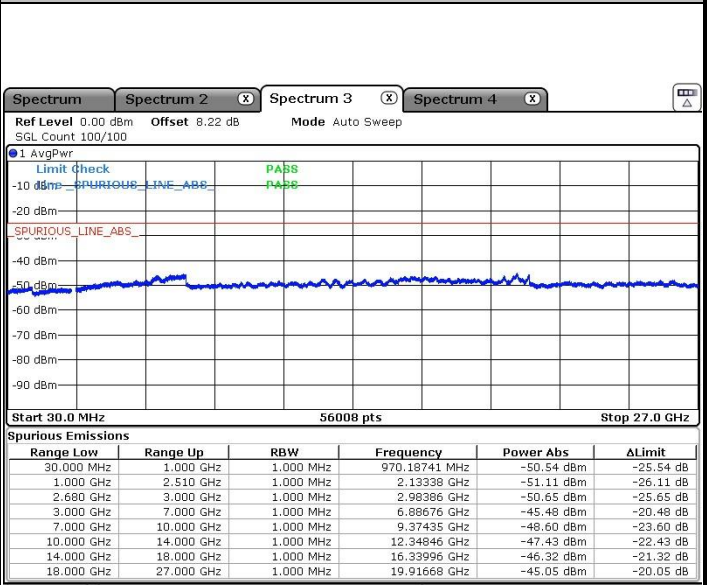
Date: 17.SEP.2020 19:31:47

Highest Channel / QPSK



Date: 17.SEP.2020 19:34:26

Highest Channel / 16QAM



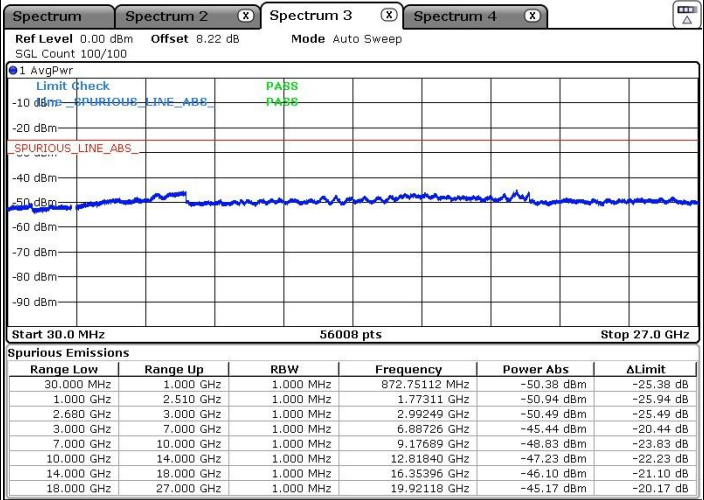
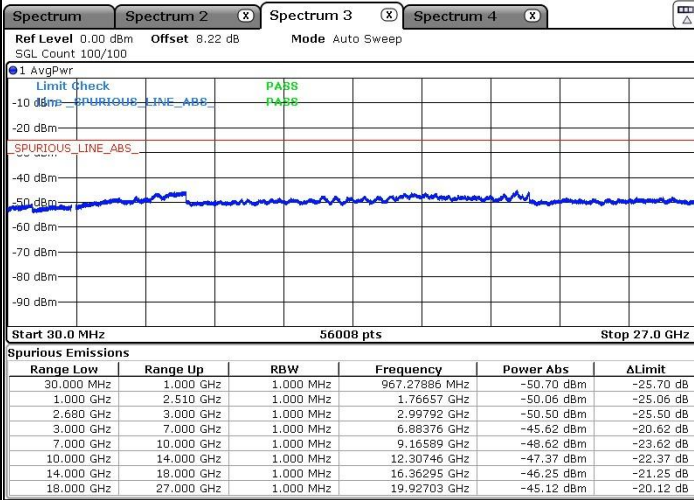
Date: 17.SEP.2020 19:36:04



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

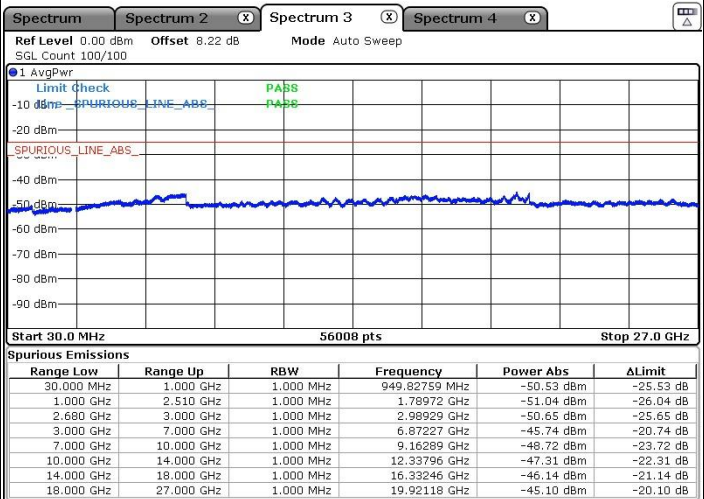
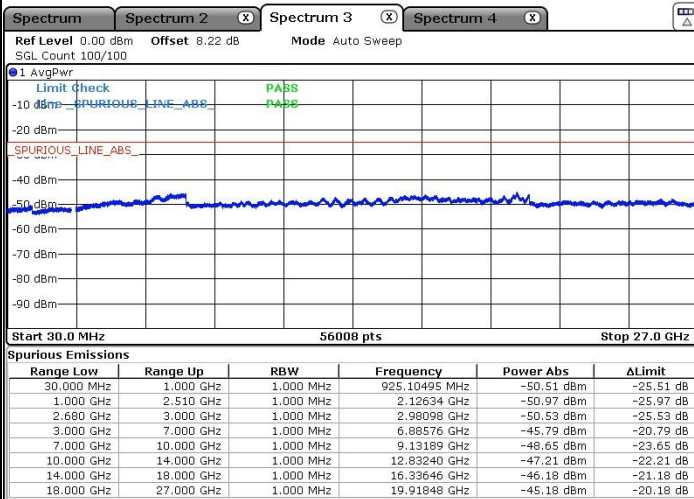


Date: 17.SEP.2020 19:42:53

Date: 17.SEP.2020 19:43:56

Middle Channel / QPSK

Middle Channel / 16QAM

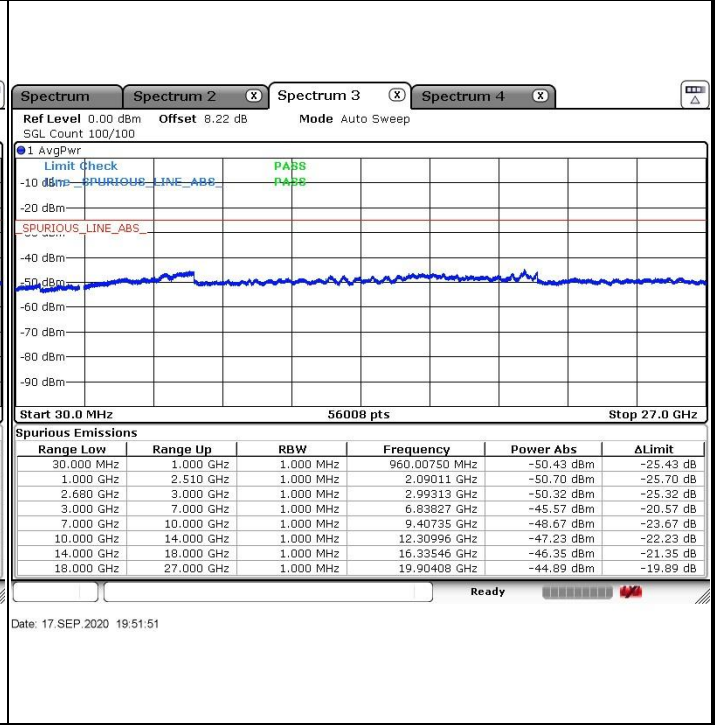
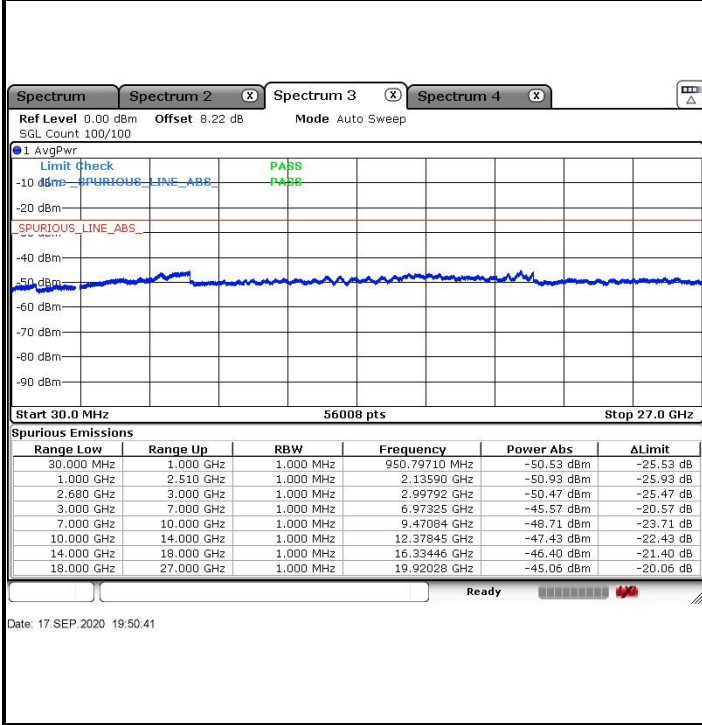


Date: 17.SEP.2020 19:48:39

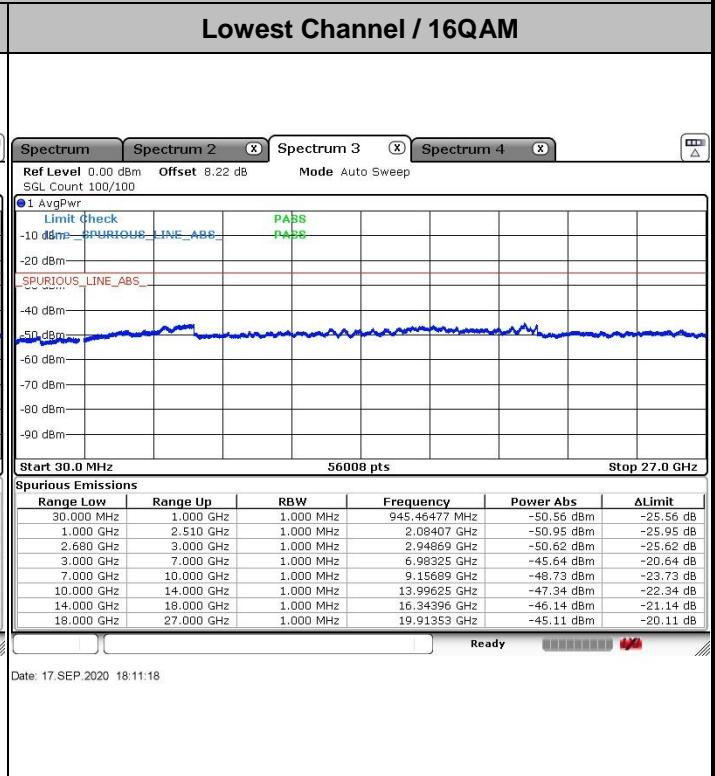
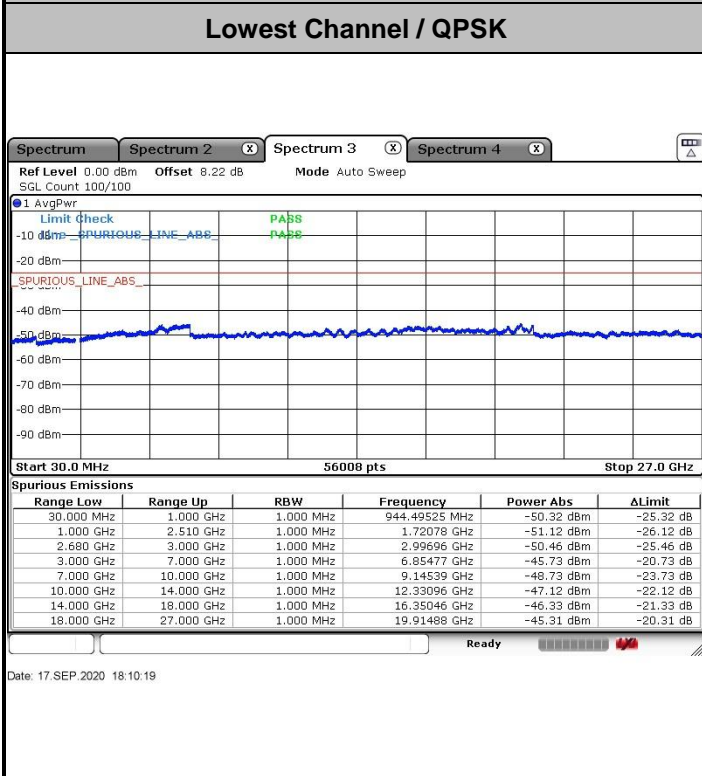
Date: 17.SEP.2020 19:47:33



Highest Channel / QPSK	Highest Channel / 16QAM
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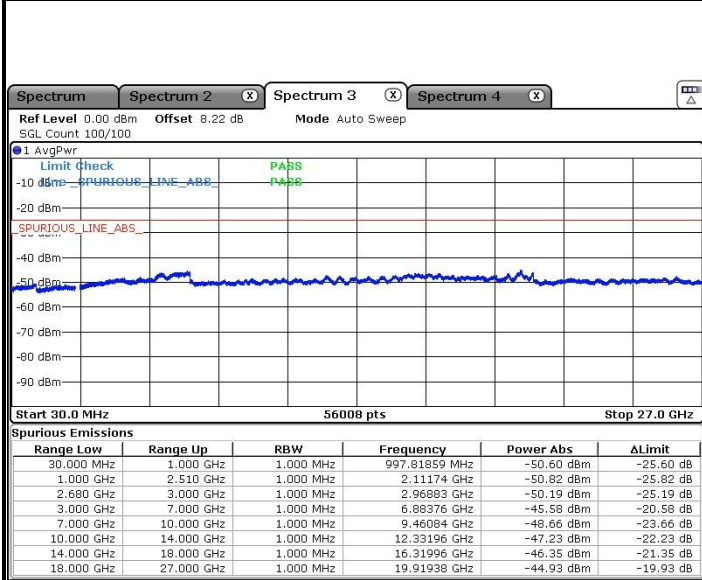
LTE Band 41 / 20MHz





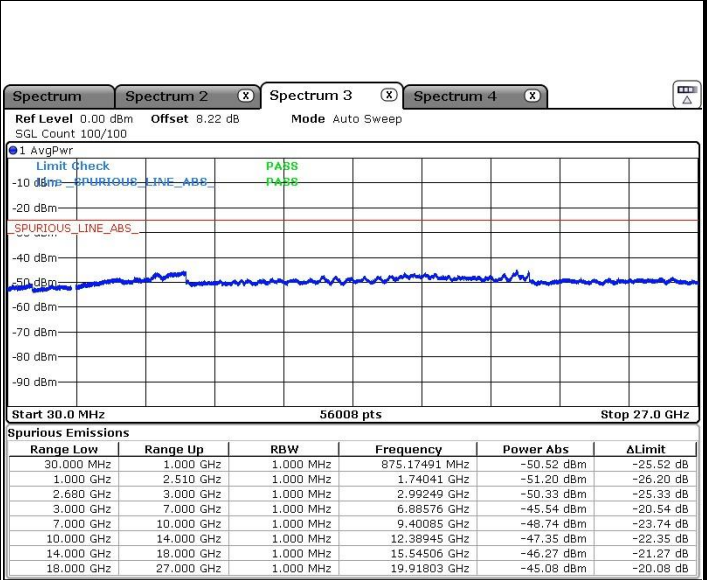
LTE Band 41 / 20MHz

Middle Channel / QPSK



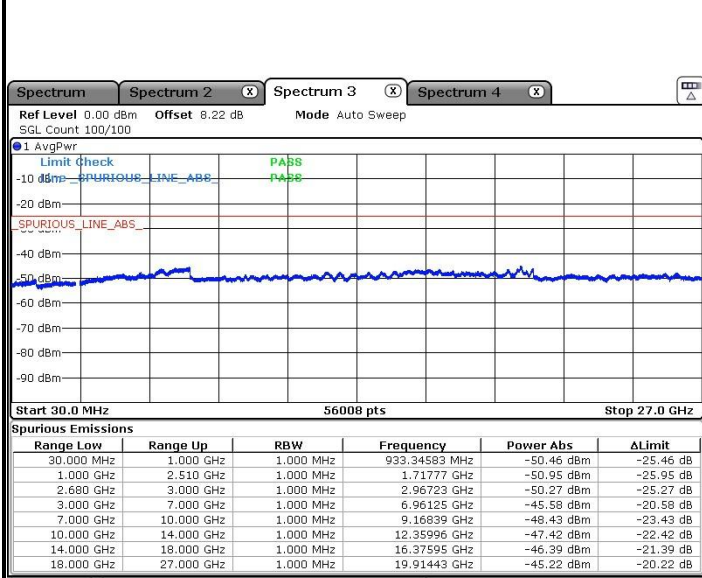
Ready [Progress Bar] Date: 17.SEP.2020 18:06:39

Middle Channel / 16QAM



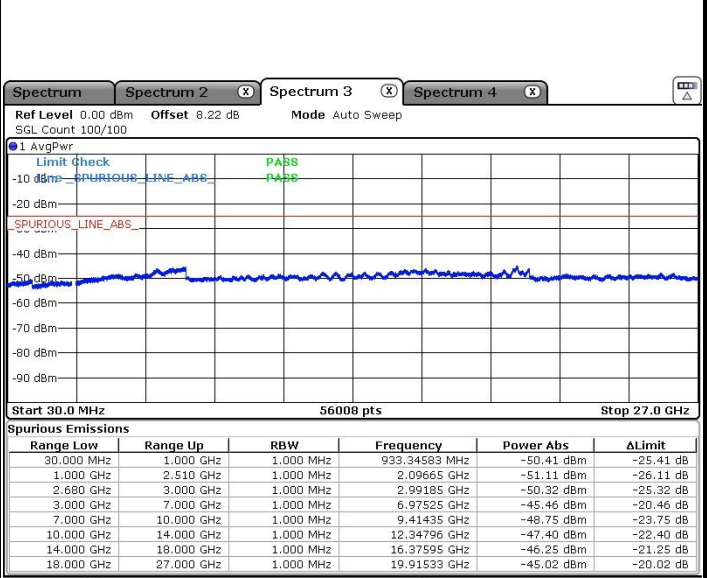
Ready [Progress Bar] Date: 17.SEP.2020 18:05:39

Highest Channel / QPSK



Ready [Progress Bar] Date: 17.SEP.2020 19:22:02

Highest Channel / 16QAM



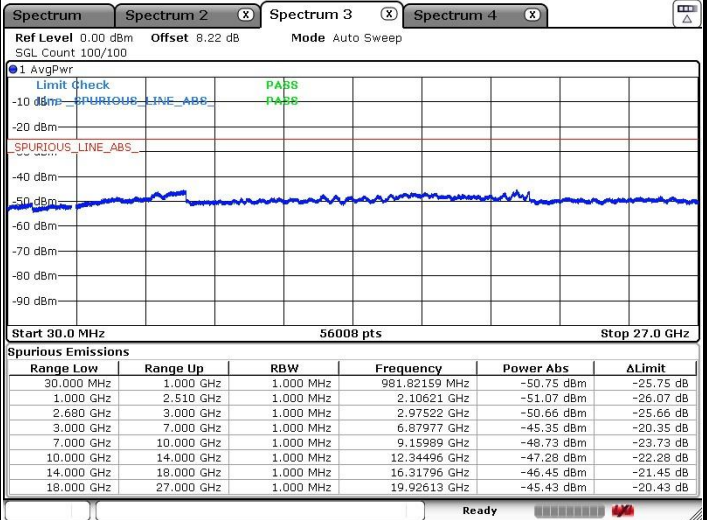
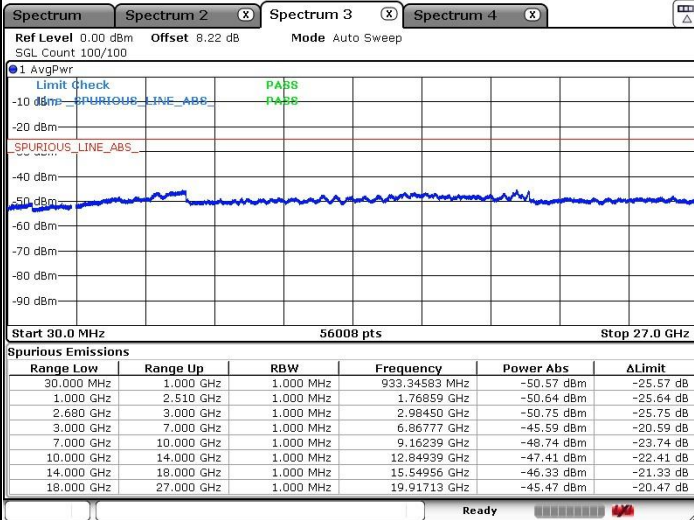
Ready [Progress Bar] Date: 17.SEP.2020 19:23:19



LTE Band 41 / 5MHz

Lowest Channel / 64QAM

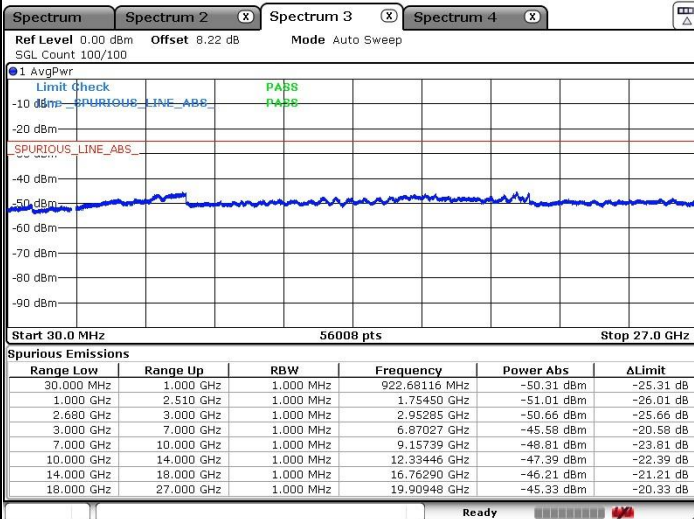
Middle Channel / 64QAM



Date: 17.SEP.2020 15:03:21

Date: 17.SEP.2020 15:02:29

Highest Channel / 64QAM



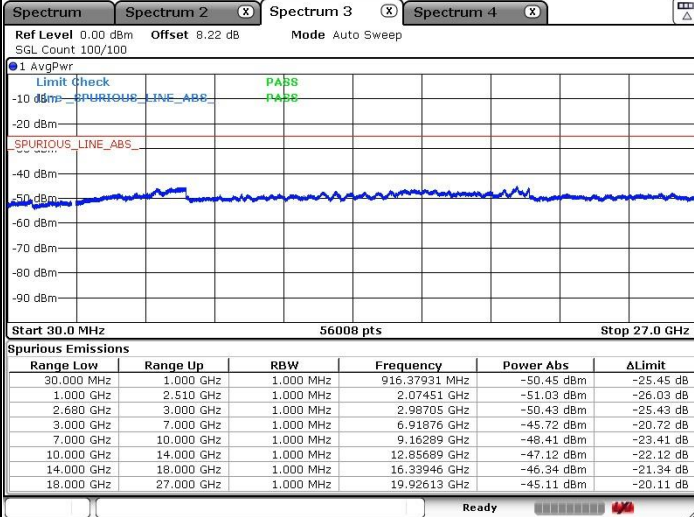
Date: 17.SEP.2020 14:57:10



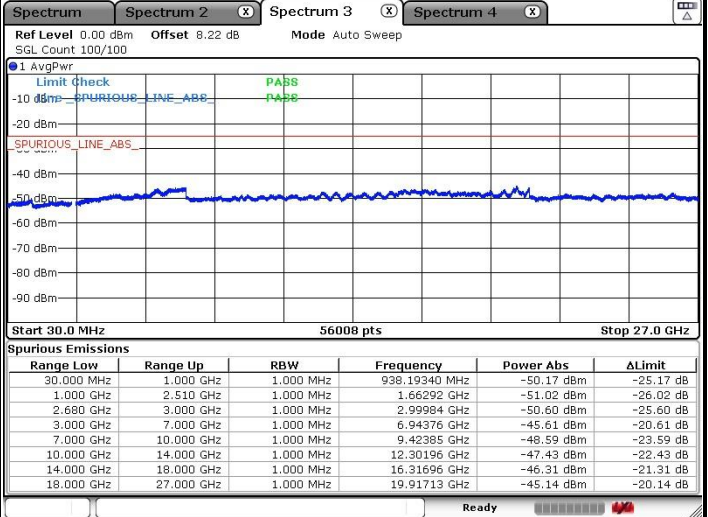
LTE Band 41 / 10MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

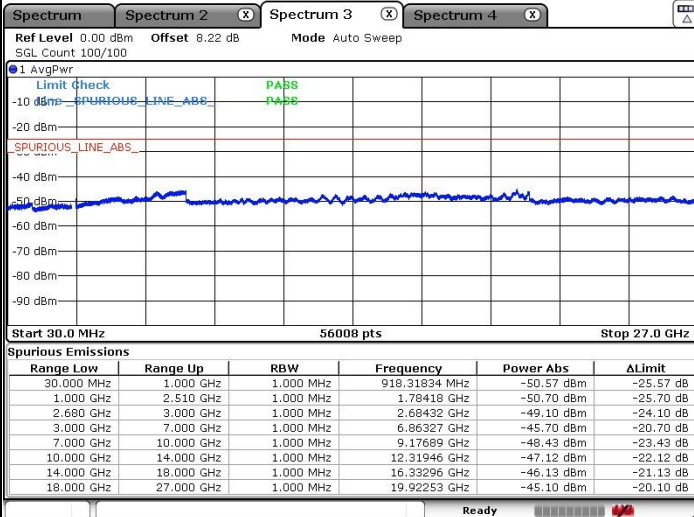


Date: 17.SEP.2020 19:29:17



Date: 17.SEP.2020 19:32:42

Highest Channel / 64QAM



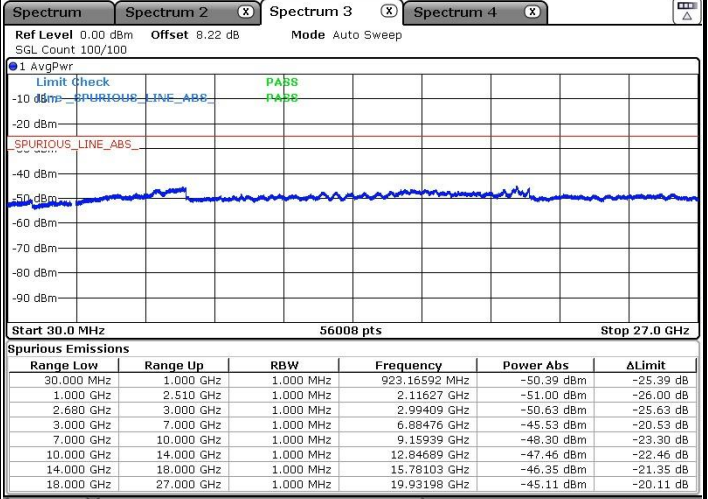
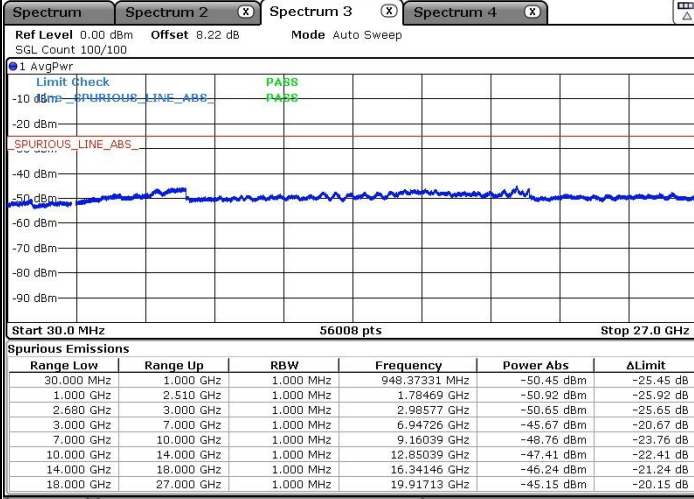
Date: 17.SEP.2020 19:40:41



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

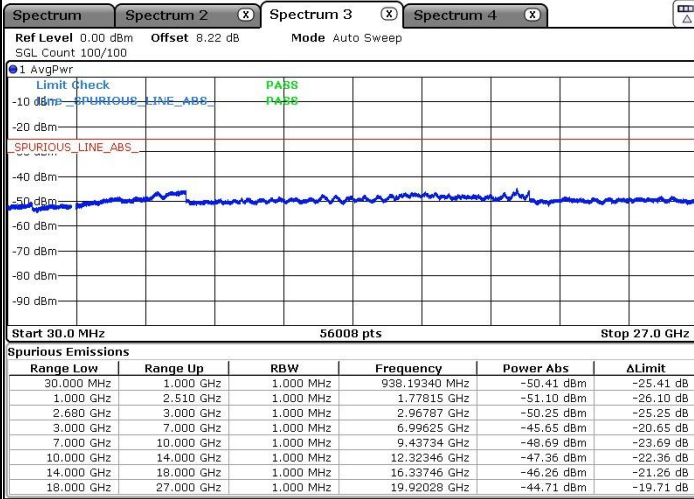
Middle Channel / 64QAM



Date: 17.SEP.2020 19:45:04

Date: 17.SEP.2020 19:48:52

Highest Channel / 64QAM



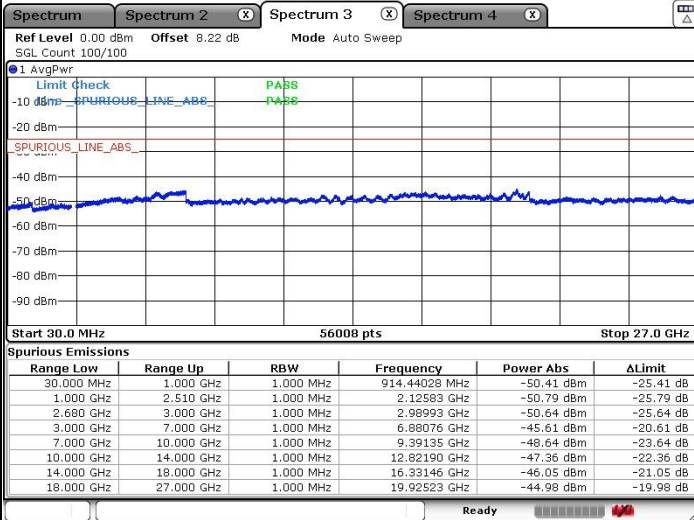
Date: 17.SEP.2020 19:52:47



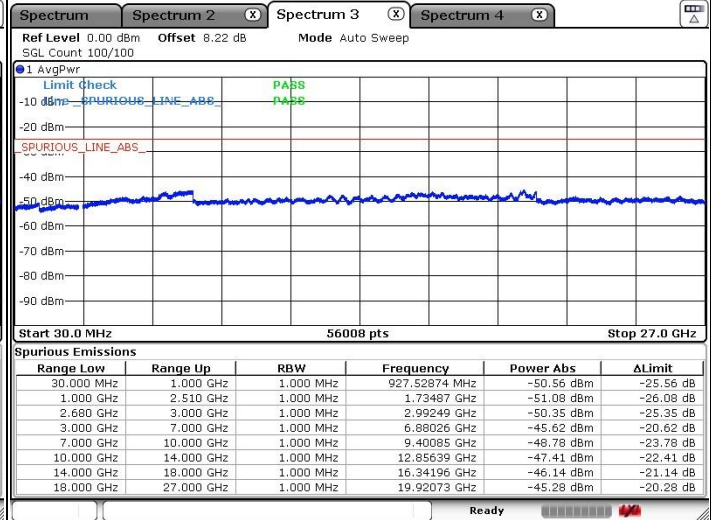
LTE Band 41 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

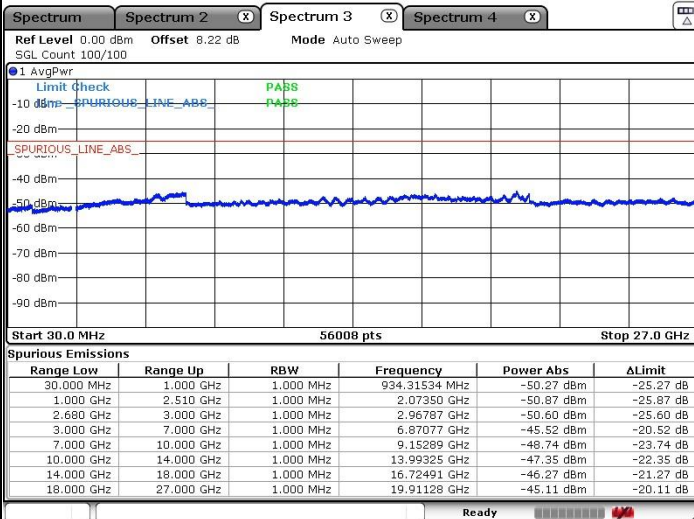


Date: 17.SEP.2020 18:13:38



Date: 17.SEP.2020 18:02:52

Highest Channel / 64QAM



Date: 17.SEP.2020 19:24:18



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	0.0021	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0018	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0027	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5V. ; 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 26 / 15MHz / 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	1660	-58.18	-13	-45.18	-65.15	1.58	10.70	H
	2490	-60.34	-13	-47.34	-68.59	2.10	12.50	H
	3318	-59.71	-13	-46.71	-68.60	2.86	13.90	H
	1660	-60.29	-13	-47.29	-67.26	1.58	10.70	V
	2490	-58.56	-13	-45.56	-66.81	2.10	12.50	V
	3318	-59.53	-13	-46.53	-68.42	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	-65.27	-25	-40.27	-75.48	3.03	13.24	H
	7760	-59.96	-25	-34.96	-69.41	3.56	13.01	H
	10340	-56.68	-25	-31.68	-66.20	3.92	13.44	H
	5172	-64.86	-25	-39.86	-75.07	3.03	13.24	V
	7760	-59.34	-25	-34.34	-68.79	3.56	13.01	V
	10340	-56.79	-25	-31.79	-66.31	3.92	13.44	V

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