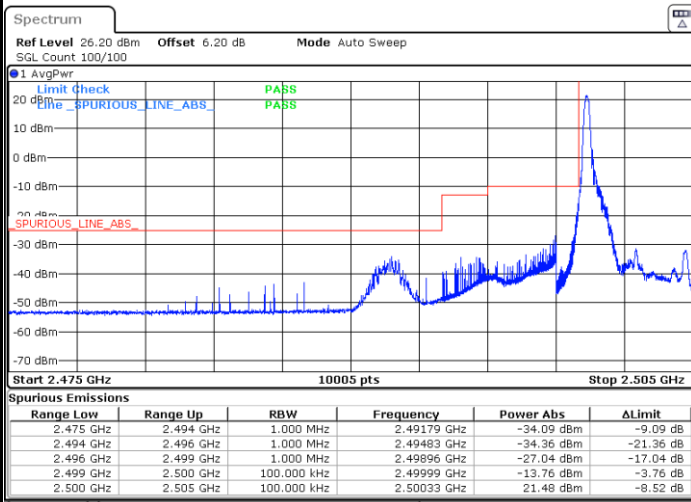




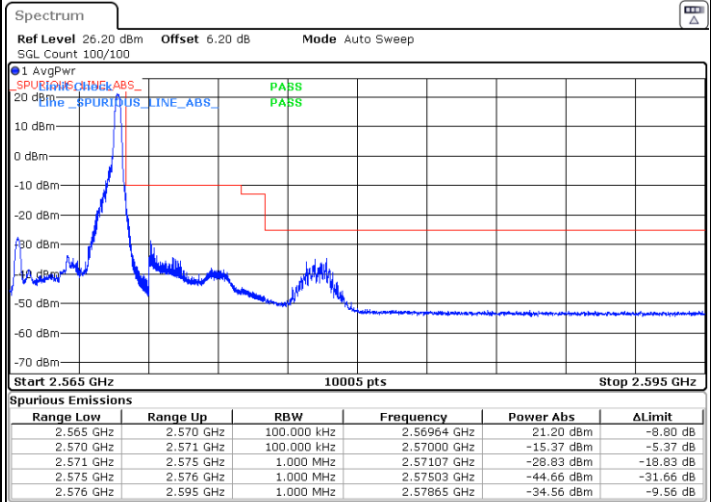
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



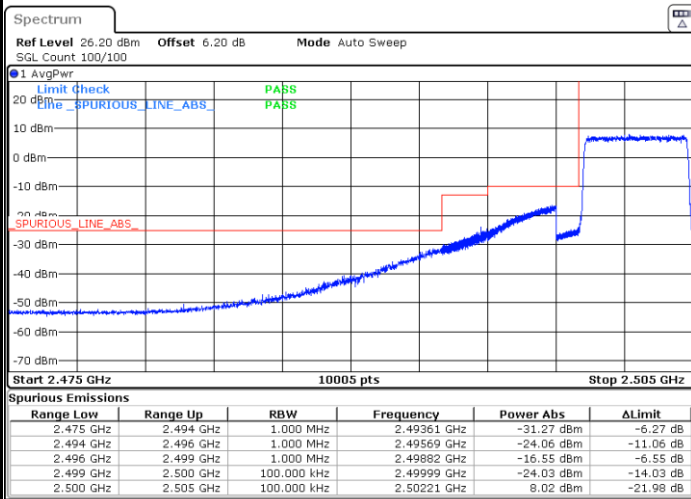
Date: 23.OCT.2019 20:24:10

Highest Band Edge / 1 RB



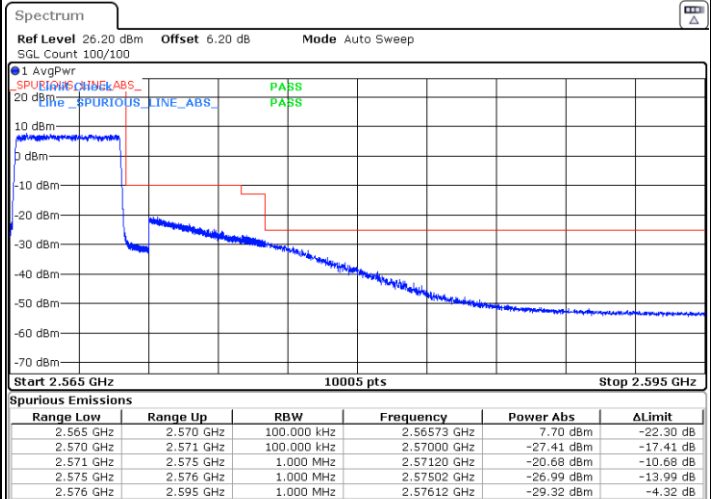
Date: 23.OCT.2019 20:29:51

Lowest Band Edge / Full RB



Date: 23.OCT.2019 20:25:19

Highest Band Edge / Full RB



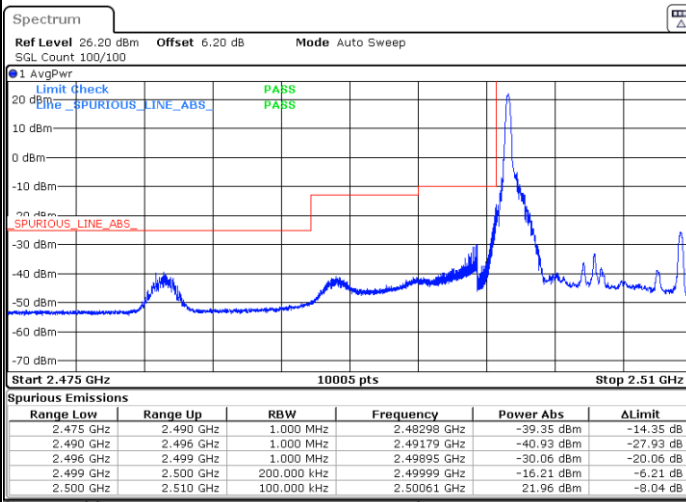
Date: 23.OCT.2019 20:28:43



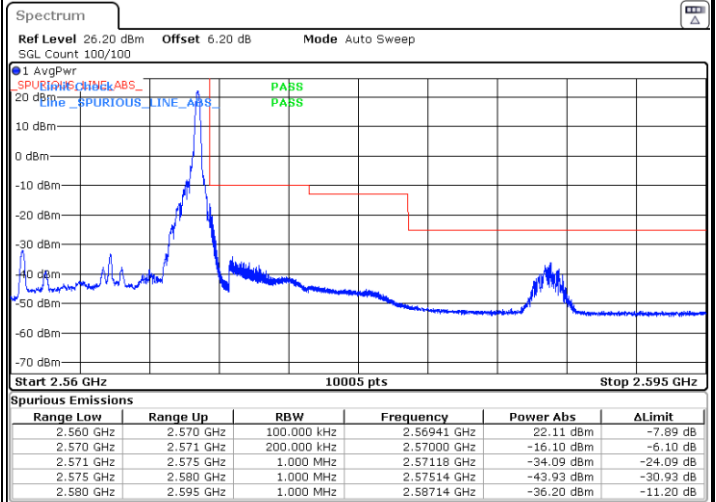
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



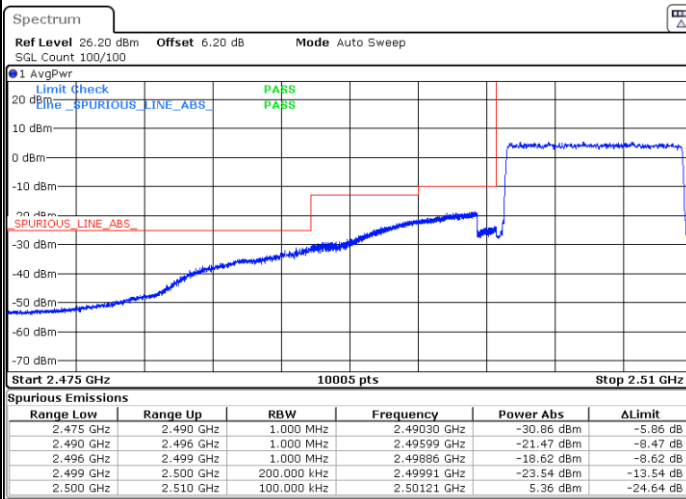
Date: 23.OCT.2019 20:39:30



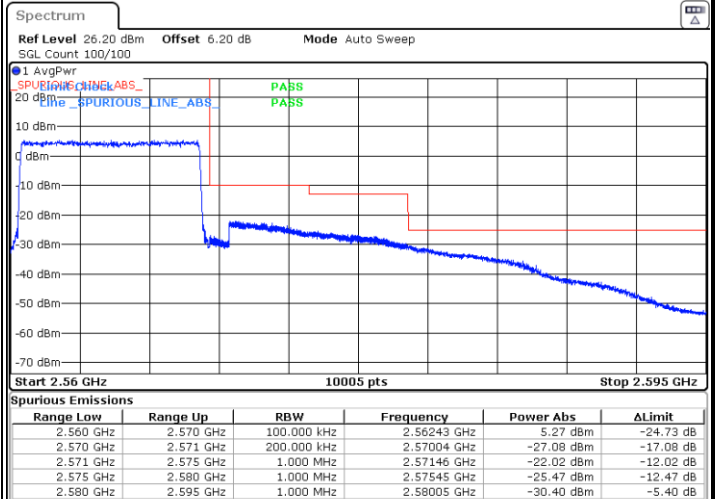
Date: 23.OCT.2019 20:47:26

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 23.OCT.2019 20:42:54

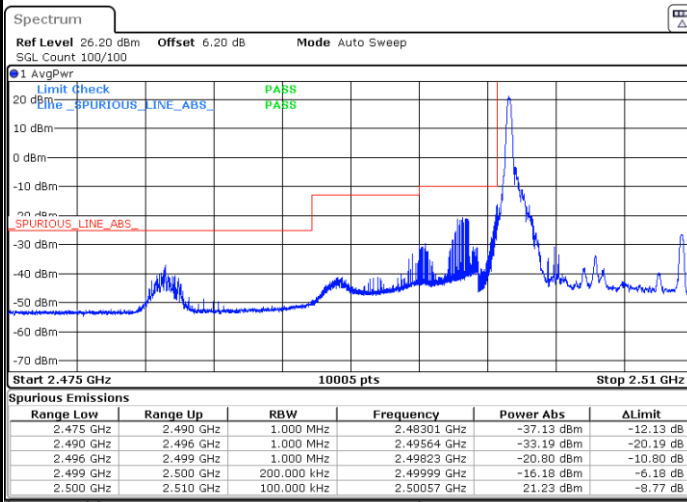


Date: 23.OCT.2019 20:44:02



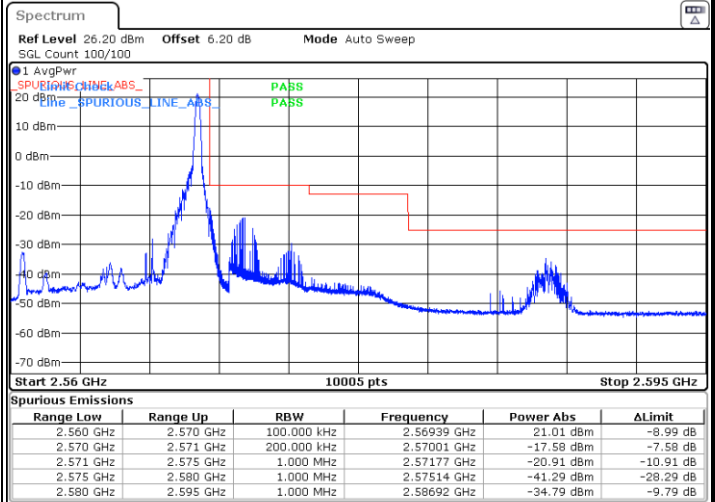
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



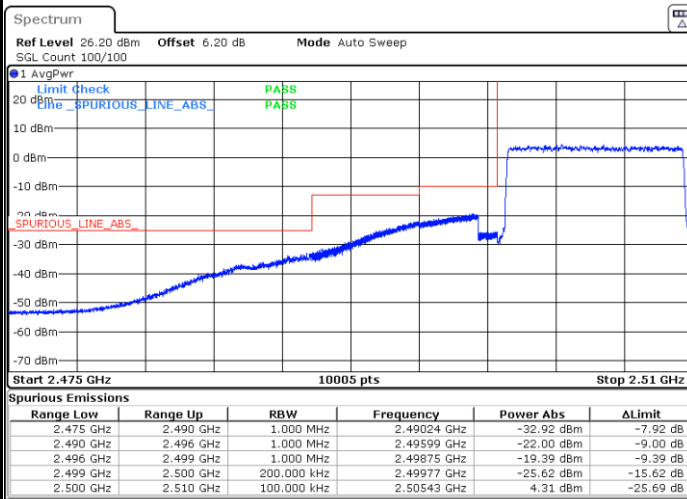
Date: 23.OCT.2019 20:40:38

Highest Band Edge / 1 RB



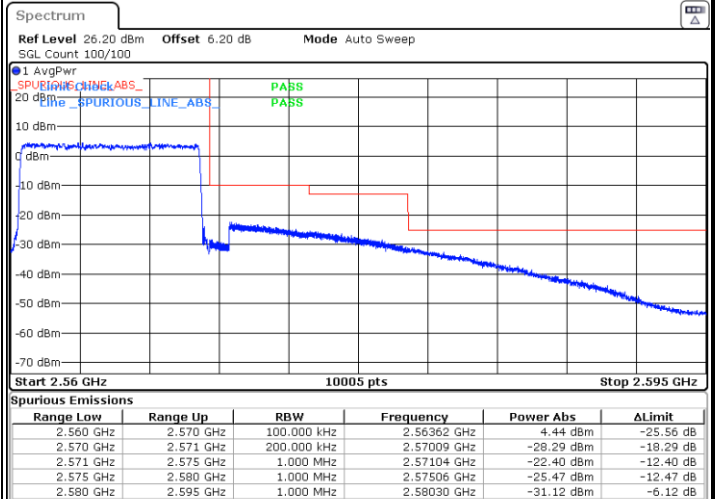
Date: 23.OCT.2019 20:46:18

Lowest Band Edge / Full RB



Date: 23.OCT.2019 20:41:46

Highest Band Edge / Full RB

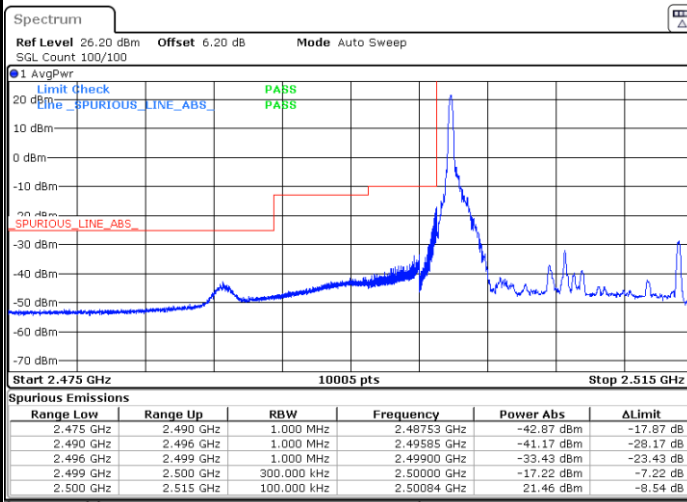


Date: 23.OCT.2019 20:45:10



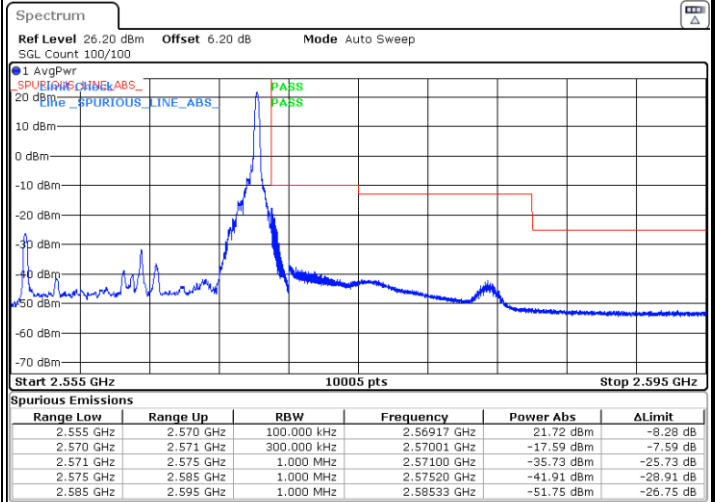
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



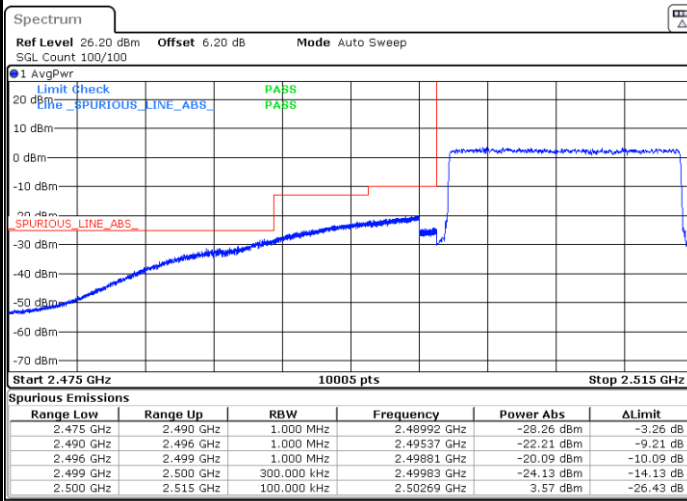
Date: 23.OCT.2019 20:55:57

Highest Band Edge / 1 RB



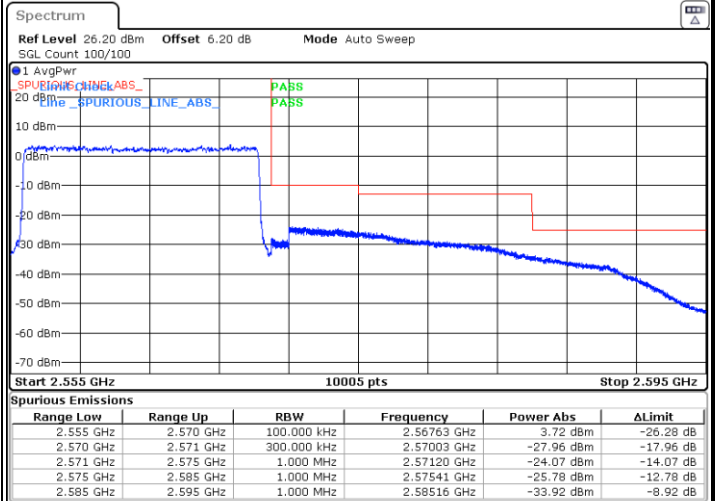
Date: 23.OCT.2019 21:03:54

Lowest Band Edge / Full RB



Date: 23.OCT.2019 20:59:22

Highest Band Edge / Full RB

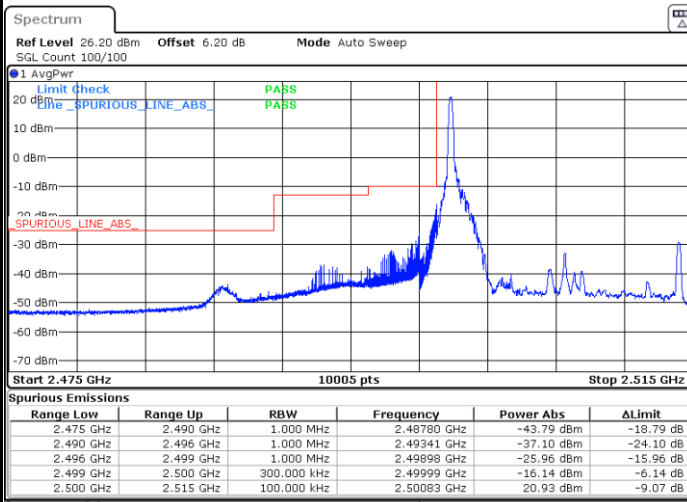


Date: 23.OCT.2019 21:00:30



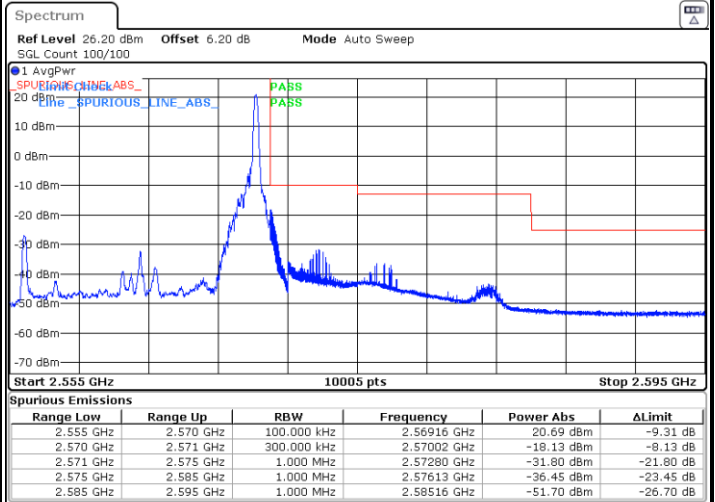
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



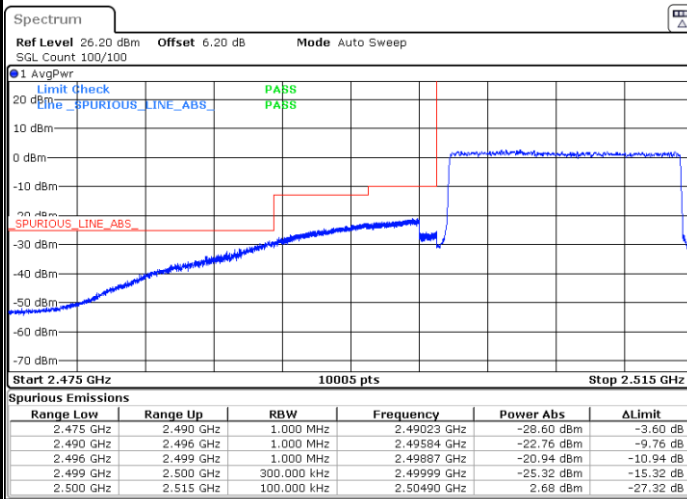
Date: 23.OCT.2019 20:57:06

Highest Band Edge / 1 RB



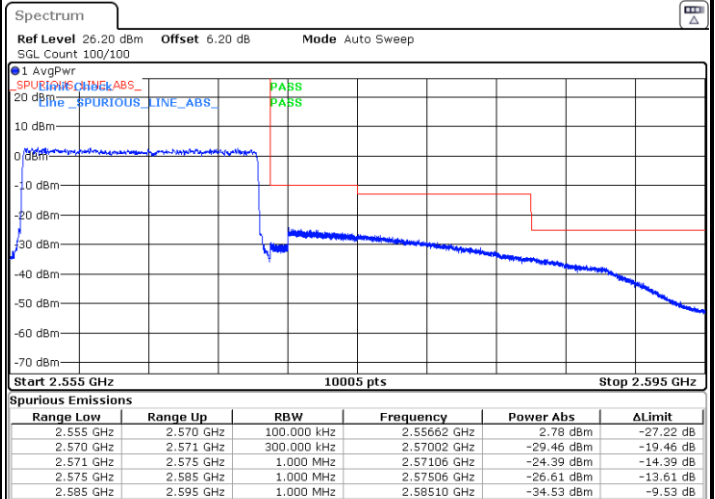
Date: 23.OCT.2019 21:02:46

Lowest Band Edge / Full RB



Date: 23.OCT.2019 20:58:14

Highest Band Edge / Full RB

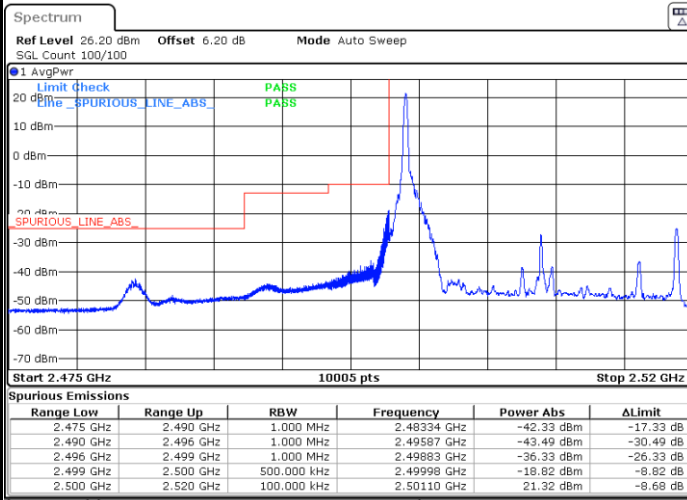


Date: 23.OCT.2019 21:01:38



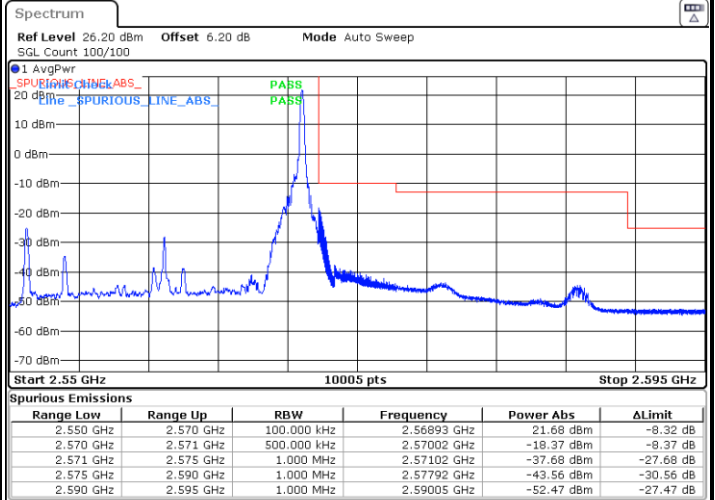
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



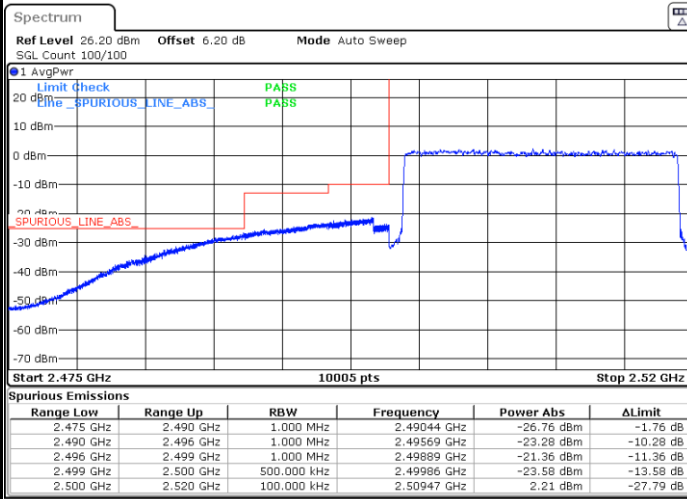
Date: 23.OCT.2019 21:23:49

Highest Band Edge / 1 RB



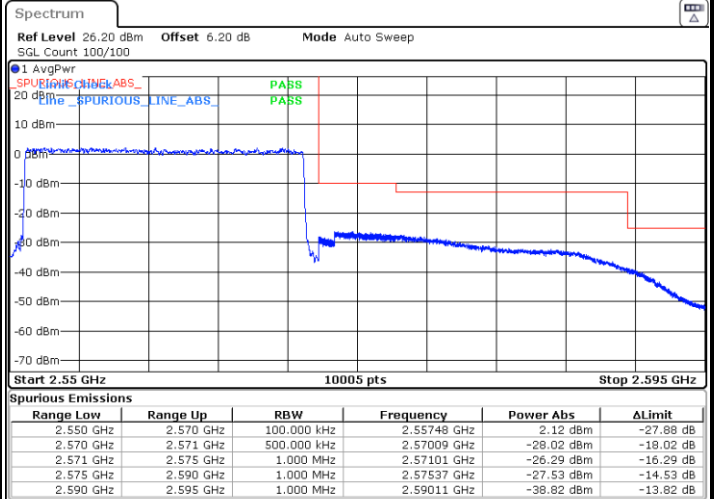
Date: 23.OCT.2019 21:31:46

Lowest Band Edge / Full RB



Date: 23.OCT.2019 21:27:14

Highest Band Edge / Full RB

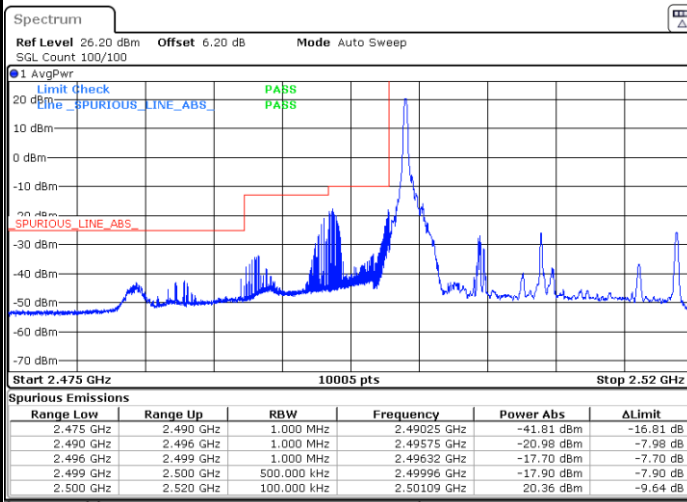


Date: 23.OCT.2019 21:28:22



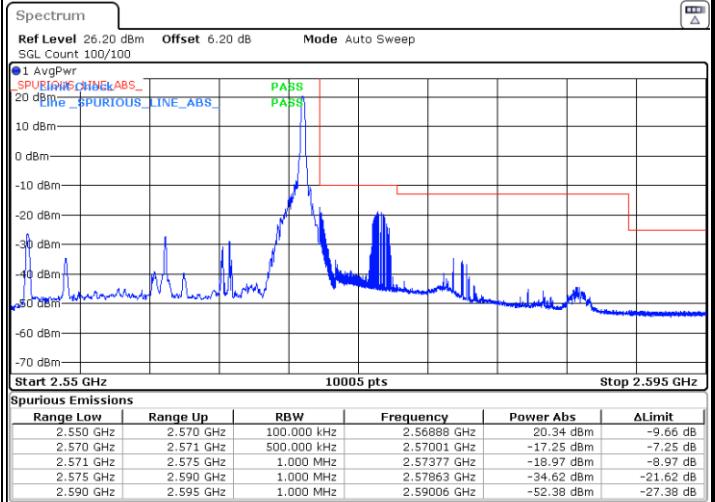
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



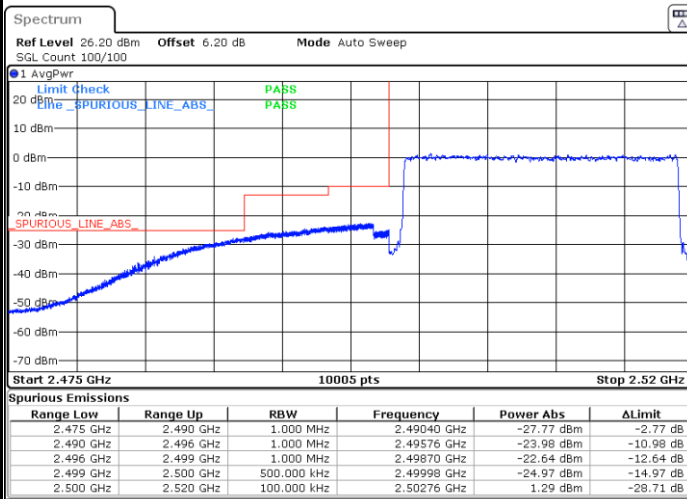
Date: 23.OCT.2019 21:24:57

Highest Band Edge / 1RB



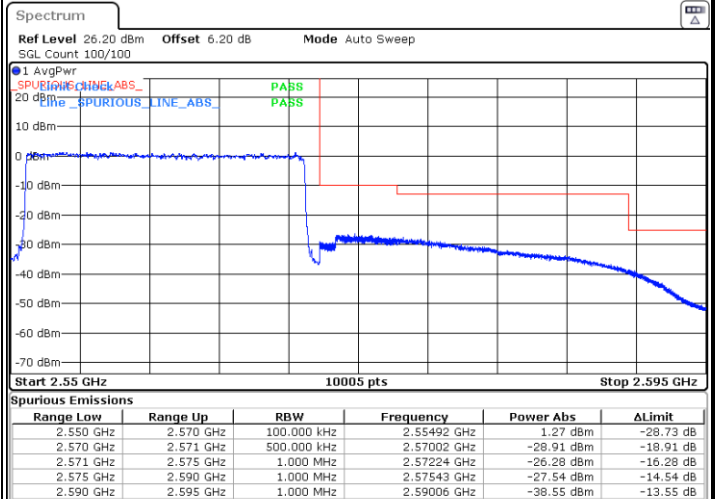
Date: 23.OCT.2019 21:30:38

Lowest Band Edge / Full RB



Date: 23.OCT.2019 21:26:06

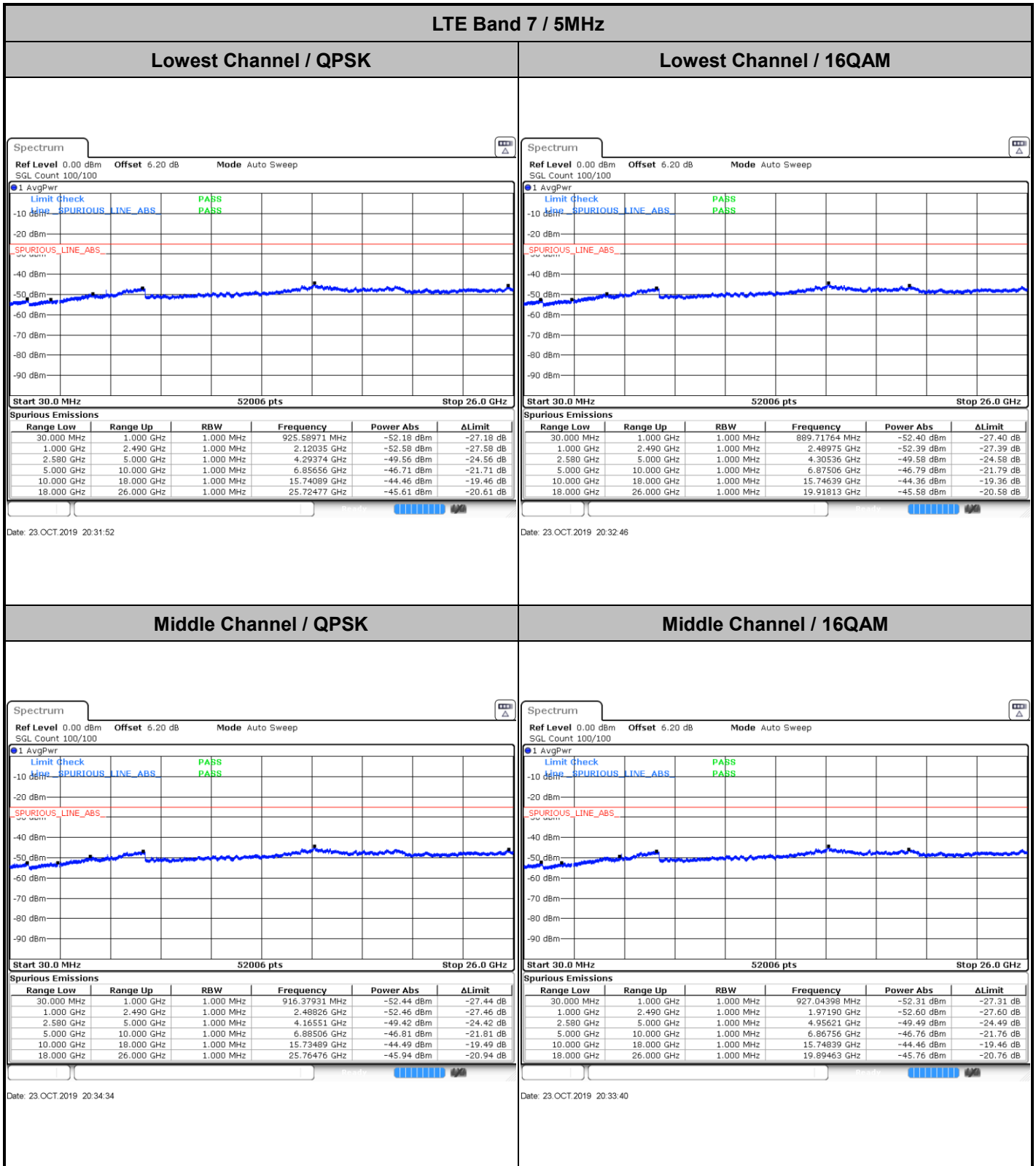
Highest Band Edge / Full RB



Date: 23.OCT.2019 21:29:30



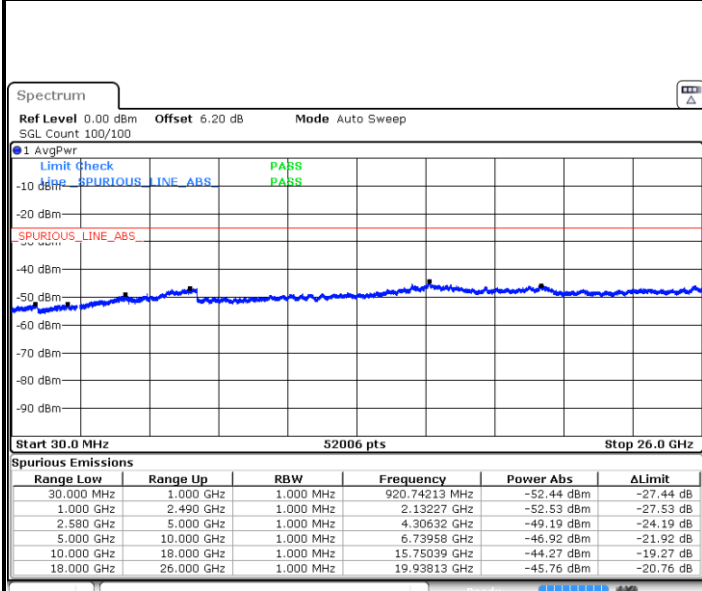
Conducted Spurious Emission





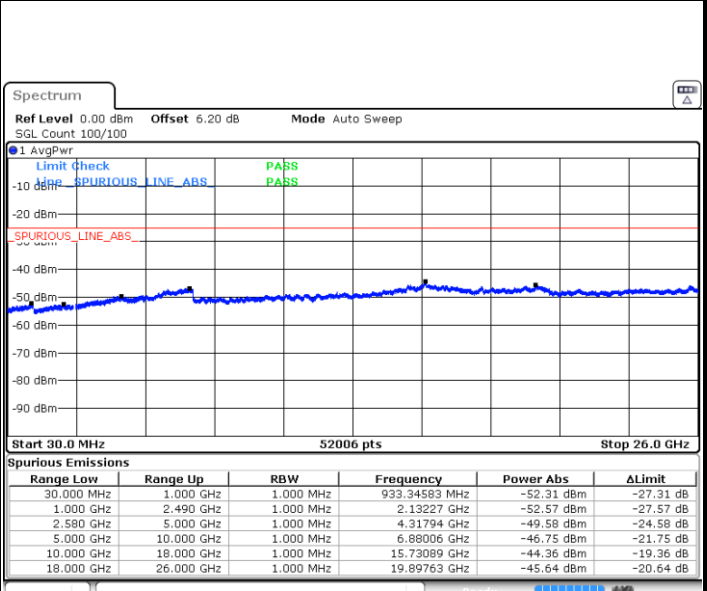
LTE Band 7 / 5MHz

Highest Channel / QPSK



Date: 23 OCT 2019 20:35:27

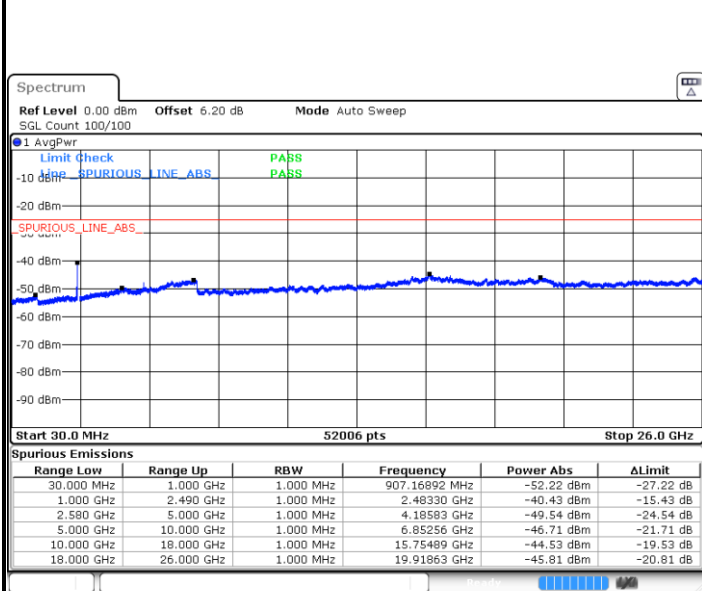
Highest Channel / 16QAM



Date: 23 OCT 2019 20:36:21

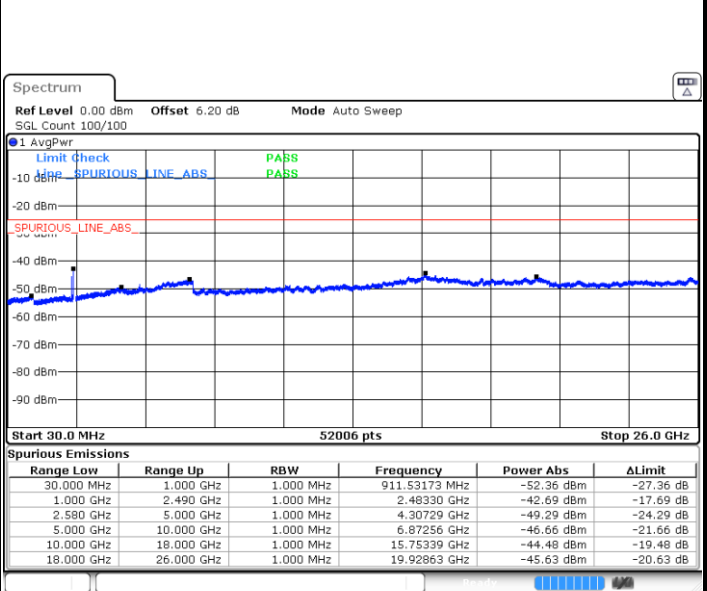
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Date: 23 OCT 2019 20:48:19

Lowest Channel / 16QAM



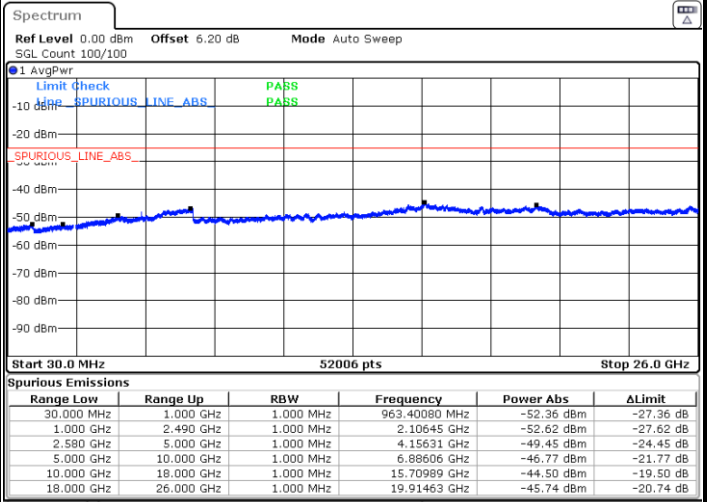
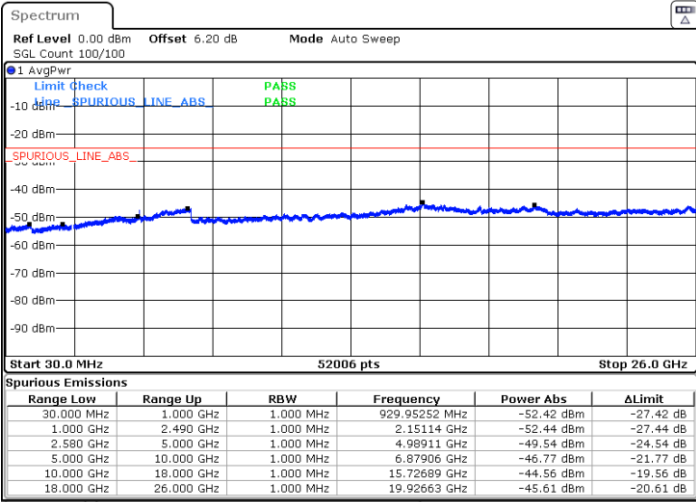
Date: 23 OCT 2019 20:49:13



LTE Band 7 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

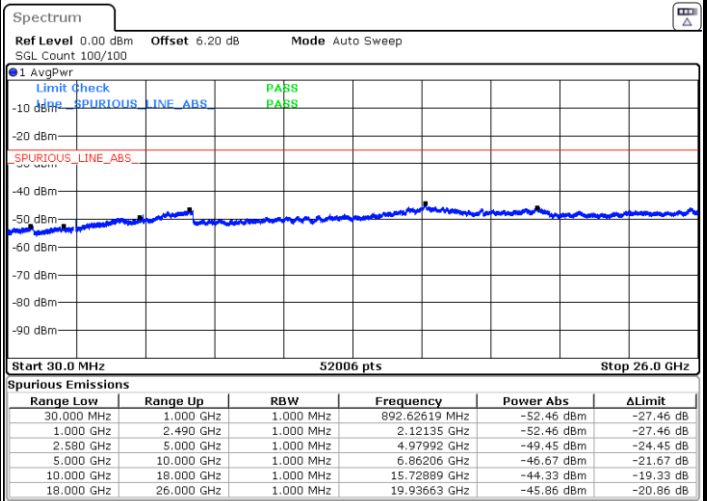
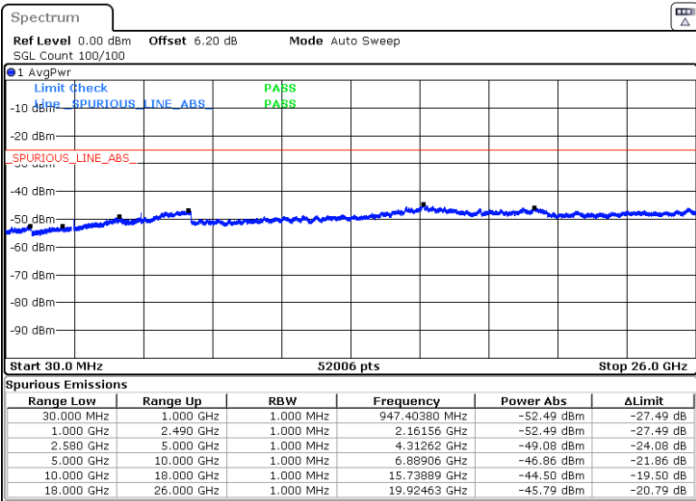


Date: 23.OCT.2019 20:51:00

Date: 23.OCT.2019 20:50:06

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 23.OCT.2019 20:51:54

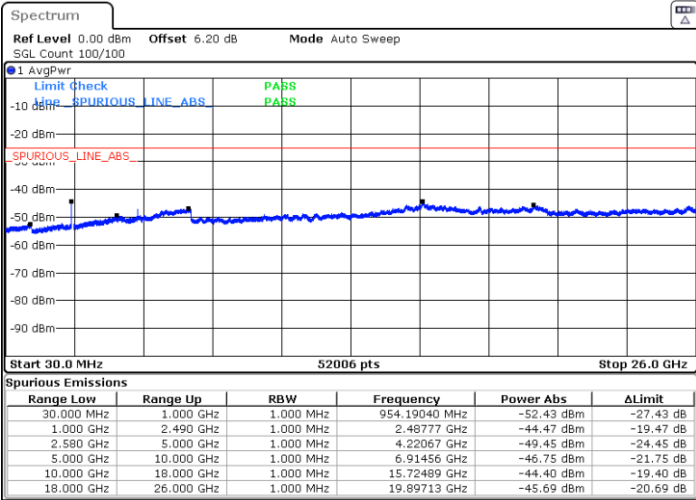
Date: 23.OCT.2019 20:52:48



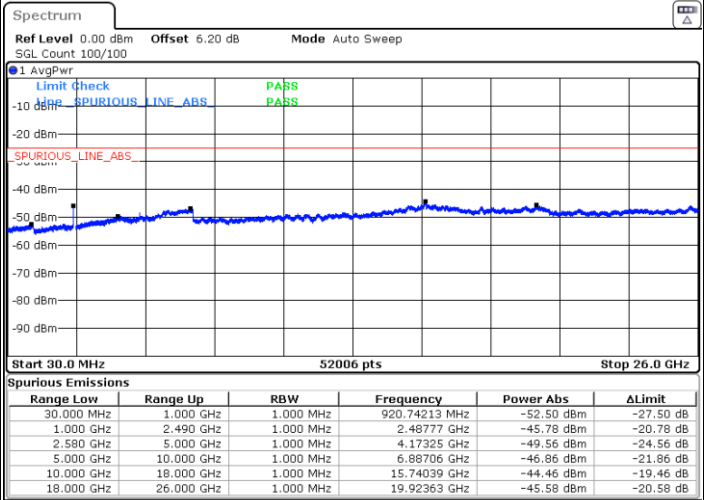
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



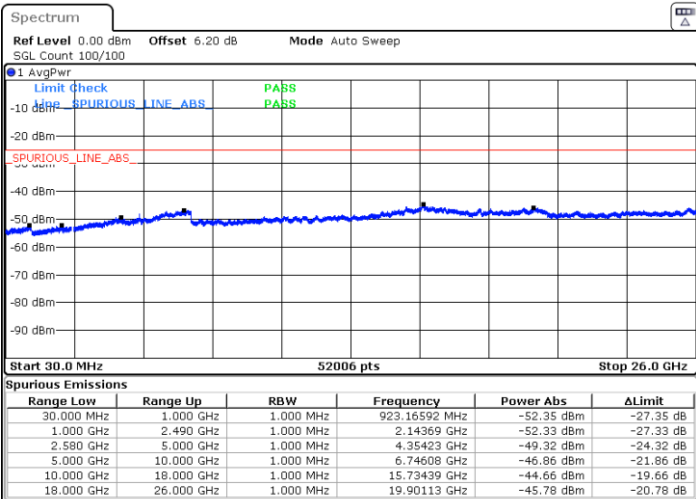
Date: 23.OCT.2019 21:04:47



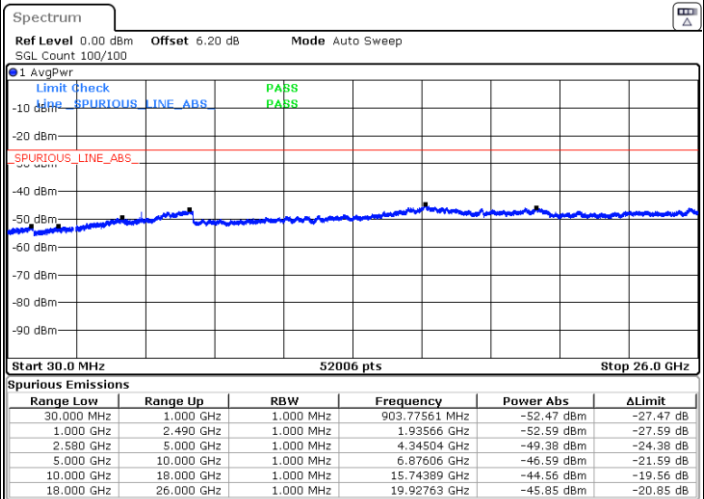
Date: 23.OCT.2019 21:05:41

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 23.OCT.2019 21:07:29

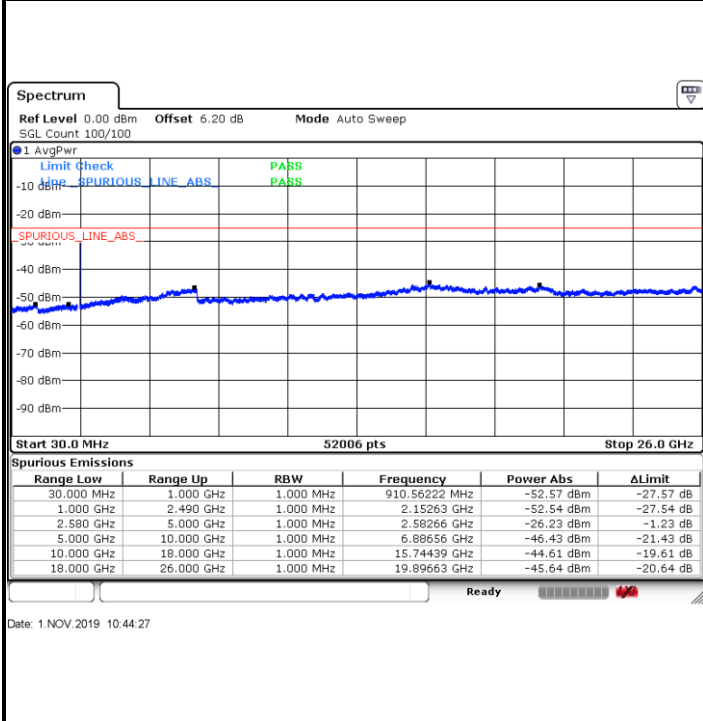


Date: 23.OCT.2019 21:06:35

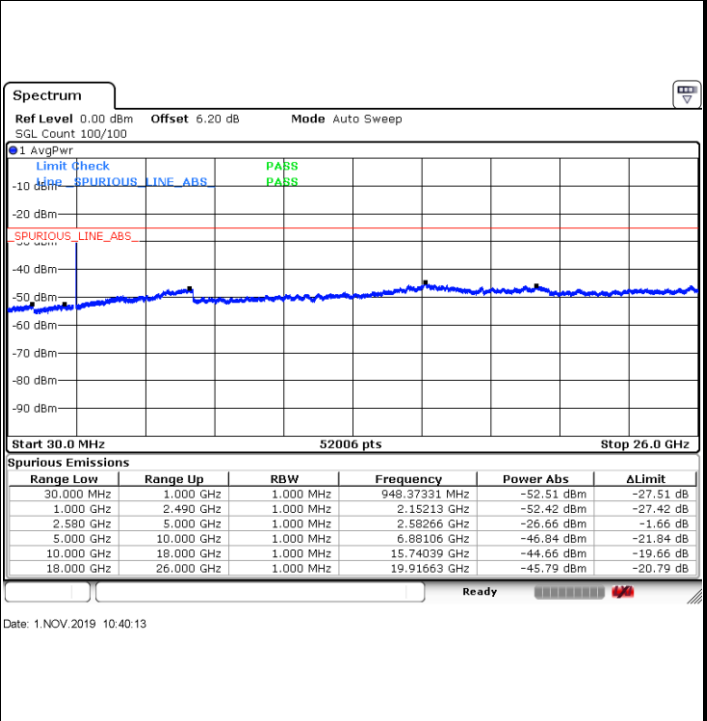


LTE Band7 / 15MHz

Highest Channel / QPSK

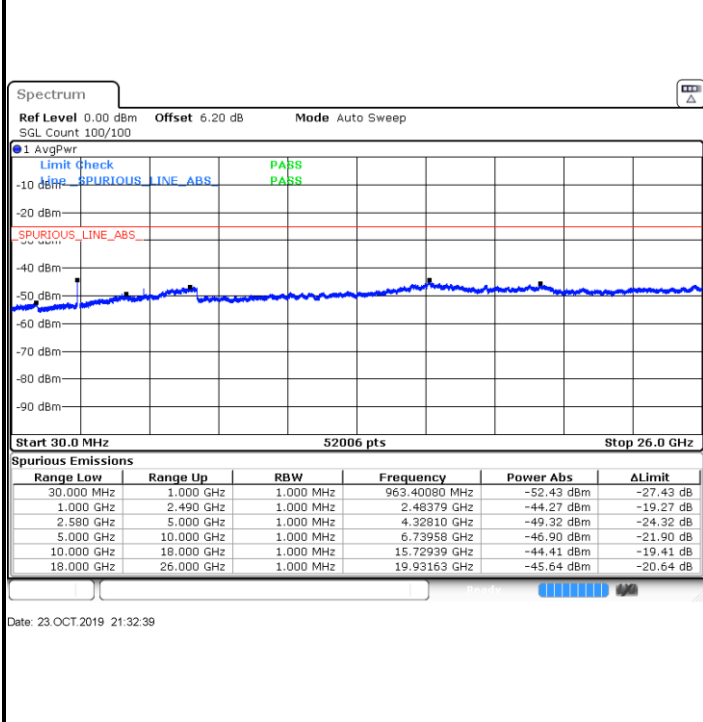


Highest Channel / 16QAM

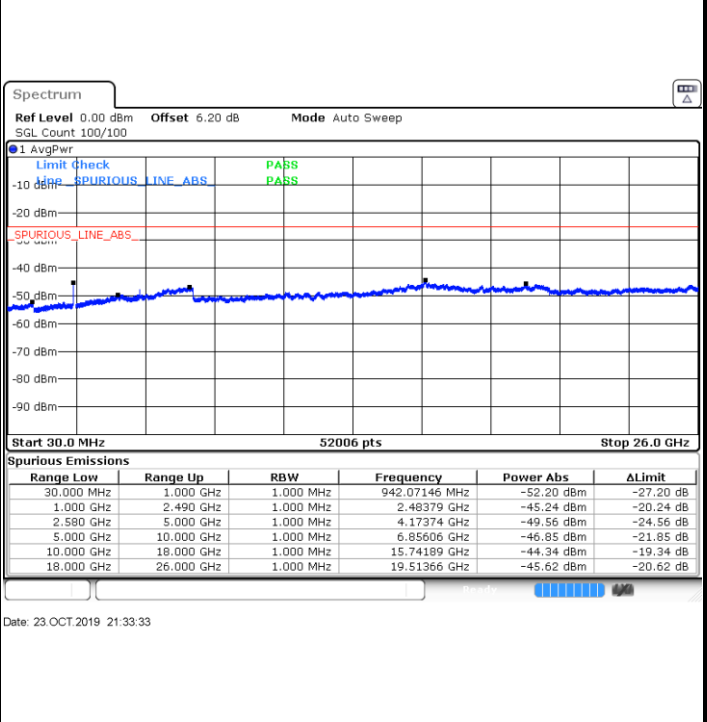


LTE Band 7 / 20MHz

Lowest Channel / QPSK



Lowest Channel / 16QAM

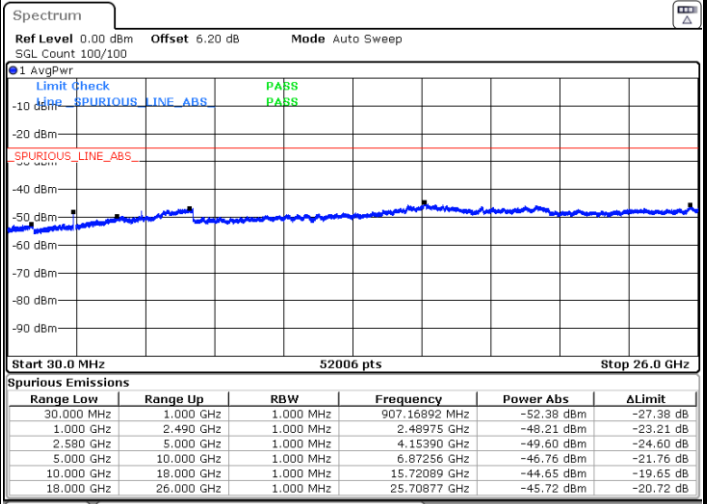
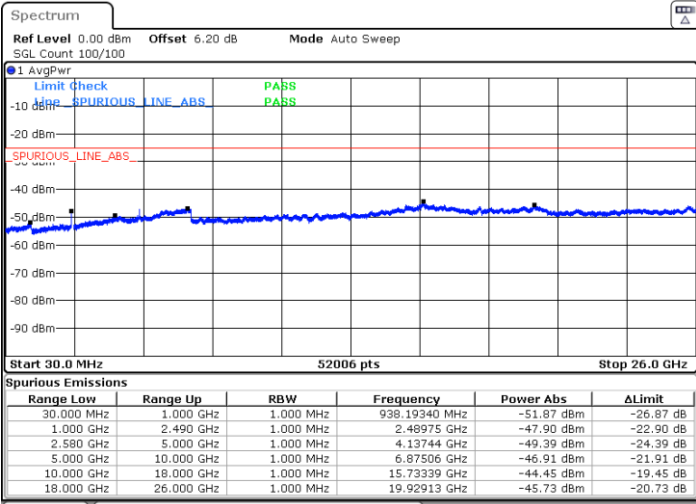




LTE Band 7 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

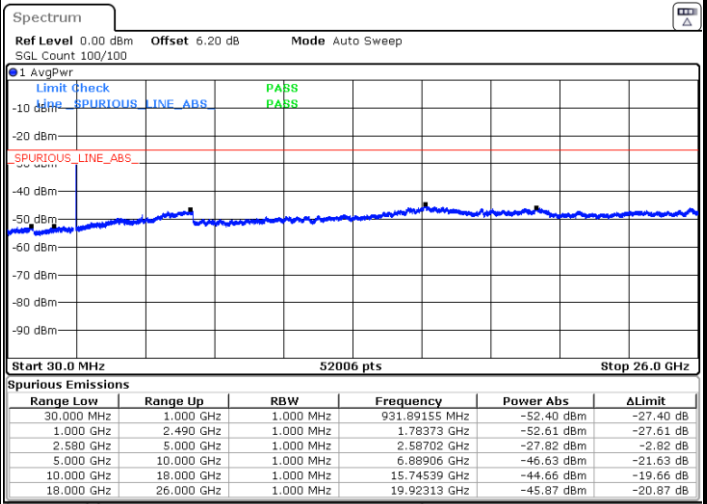
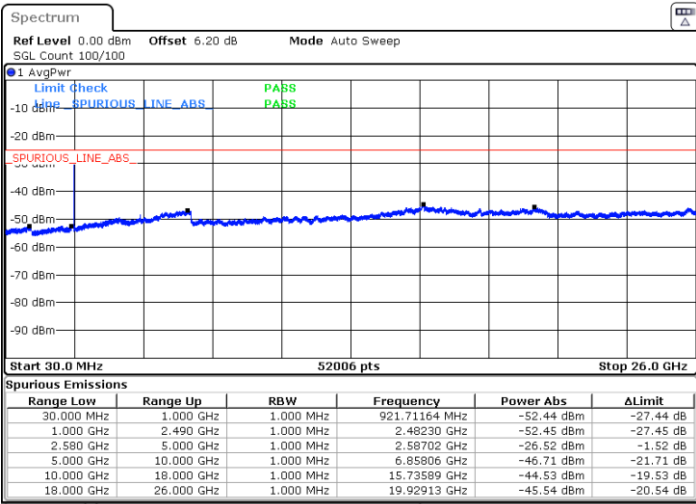


Date: 23.OCT.2019 21:35:20

Date: 23.OCT.2019 21:34:26

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 23.OCT.2019 21:36:14

Date: 23.OCT.2019 21:37:08



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0050	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0057	
0	Normal Voltage	0.0059	
-10	Normal Voltage	0.0051	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0052	
20	Normal Voltage	0.0062	
20	Battery End Point	0.0017	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.5 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 7 / 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	5050	-67.53	-25	-42.53	-76.02	1.83	10.32	H
	7580	-57.17	-25	-32.17	-66.18	2.60	11.61	H
	10107	-57.66	-25	-32.66	-68.42	2.67	13.43	H
	5050	-68.82	-25	-43.82	-77.31	1.83	10.32	V
	7580	-63.83	-25	-38.83	-72.84	2.60	11.61	V
	10107	-57.46	-25	-32.46	-68.22	2.67	13.43	V

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