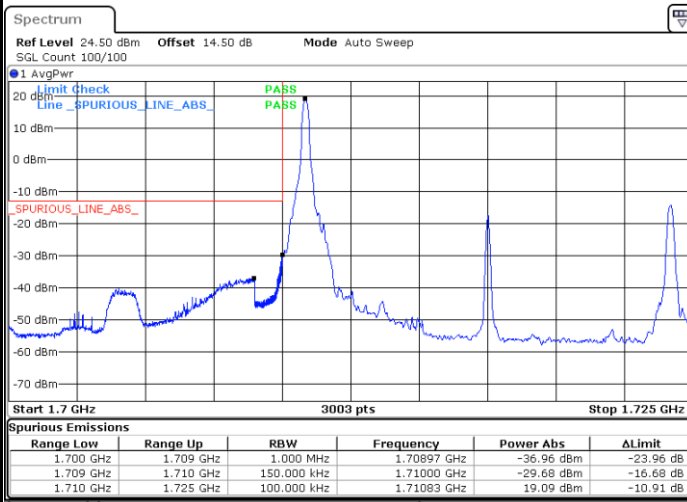




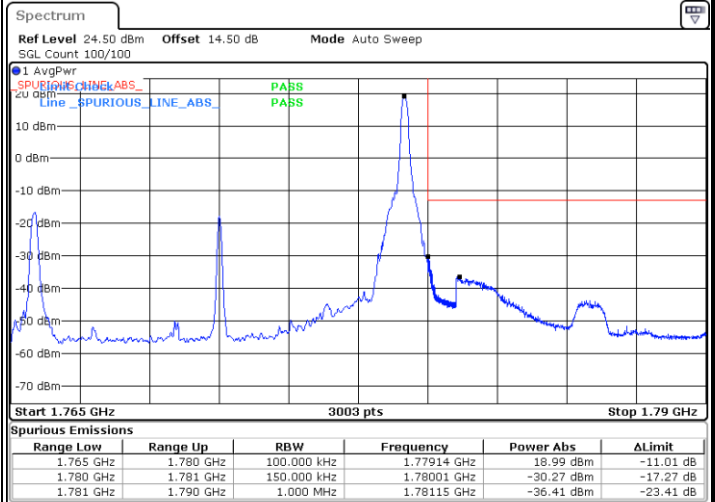
LTE Band 66 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



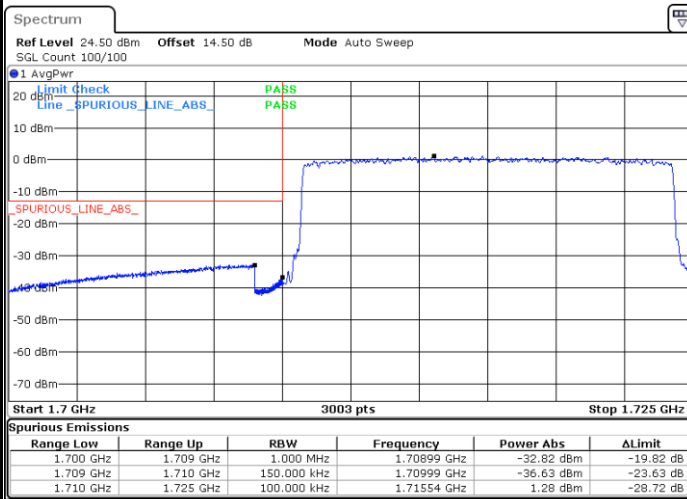
Date: 19.NOV.2020 20:42:38

Highest Band Edge / 1 RB



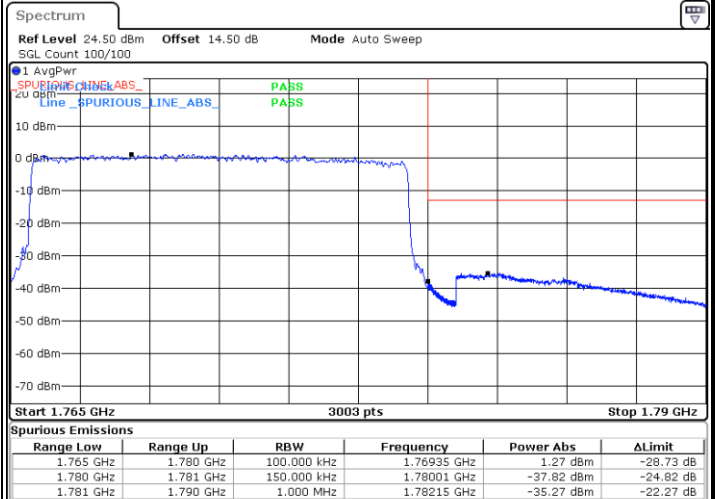
Date: 19.NOV.2020 21:02:54

Lowest Band Edge / Full RB



Date: 19.NOV.2020 20:39:52

Highest Band Edge / Full RB

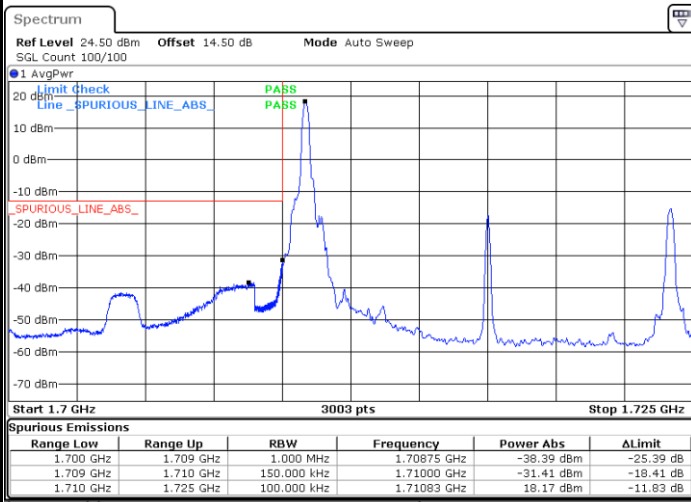


Date: 19.NOV.2020 20:53:30



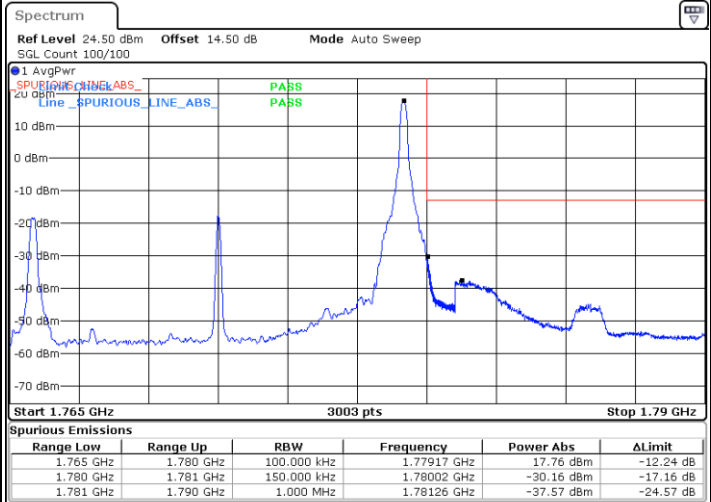
LTE Band 66 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



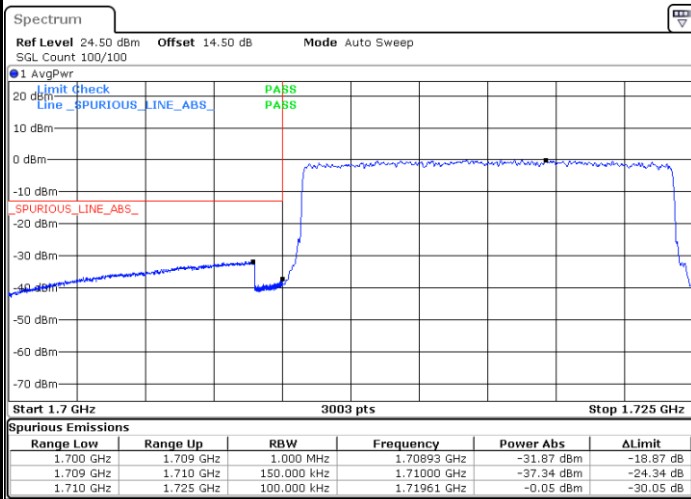
Date: 19.NOV.2020 20:41:26

Highest Band Edge / 1 RB



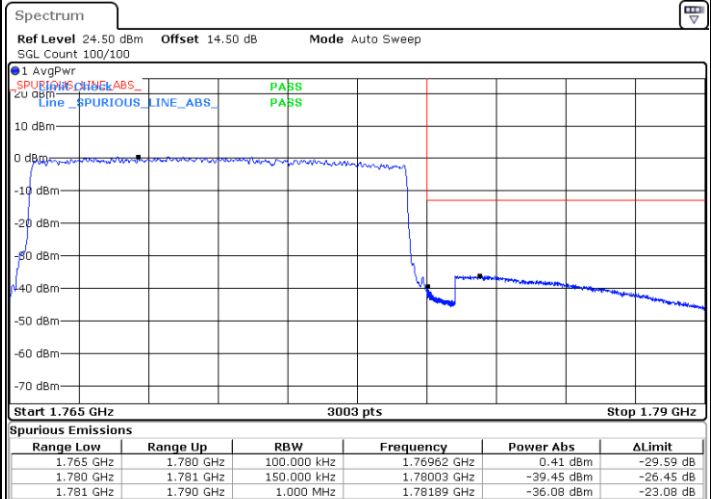
Date: 19.NOV.2020 21:03:21

Lowest Band Edge / Full RB



Date: 19.NOV.2020 20:40:38

Highest Band Edge / Full RB

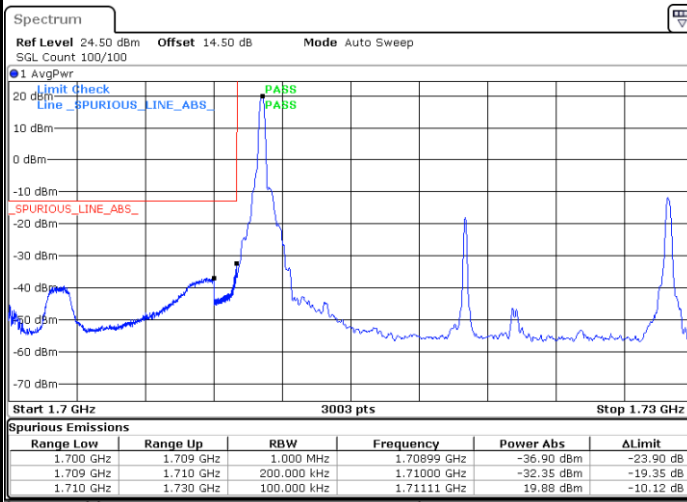


Date: 19.NOV.2020 20:56:01



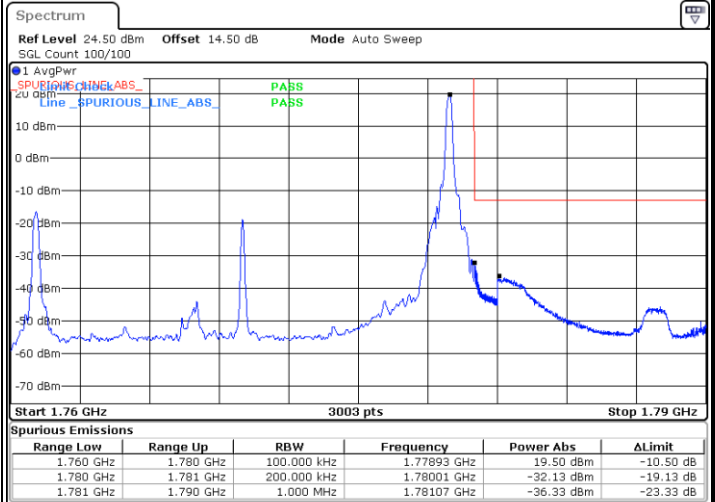
LTE Band 66 / 20MHz / QPSK

Lowest Band Edge / 1 RB



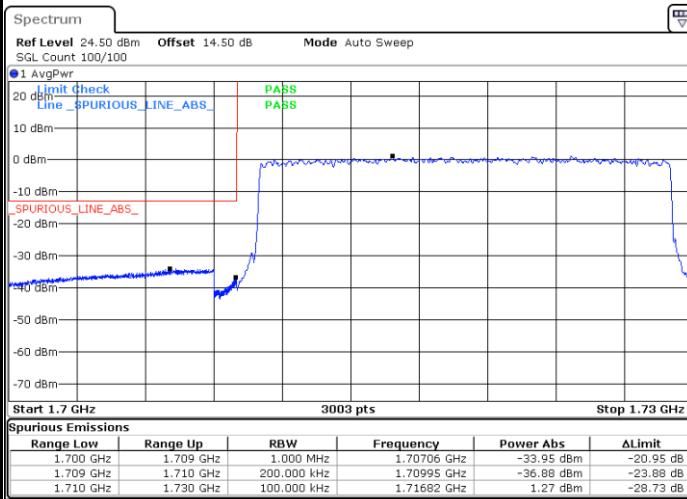
Date: 19.NOV.2020 21:20:21

Highest Band Edge / 1 RB



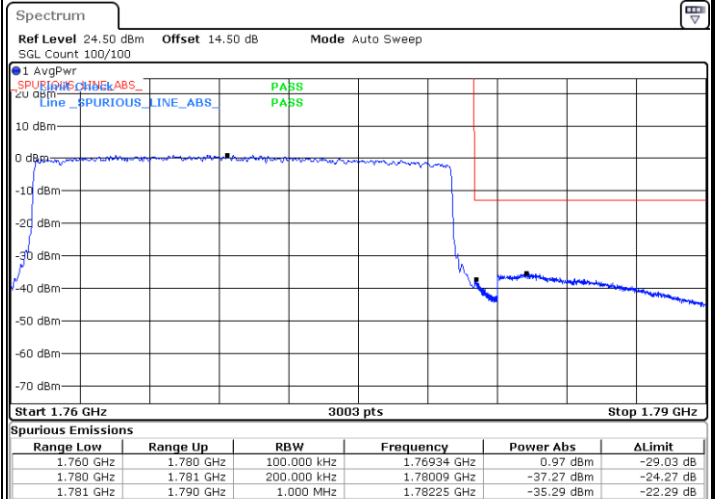
Date: 19.NOV.2020 22:04:12

Lowest Band Edge / Full RB



Date: 19.NOV.2020 21:08:10

Highest Band Edge / Full RB

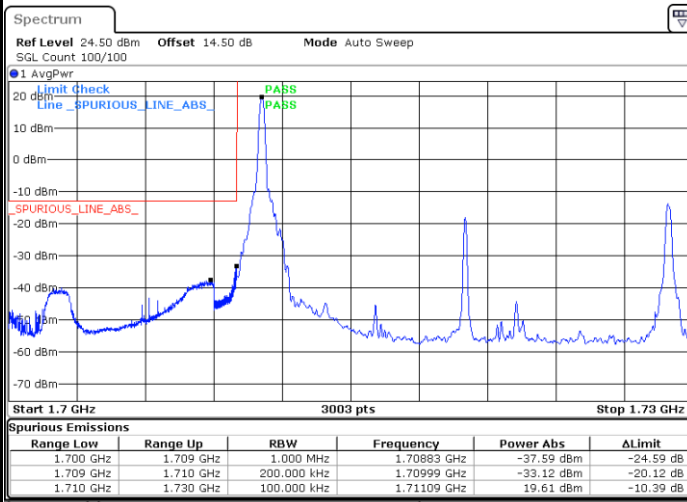


Date: 19.NOV.2020 21:33:59



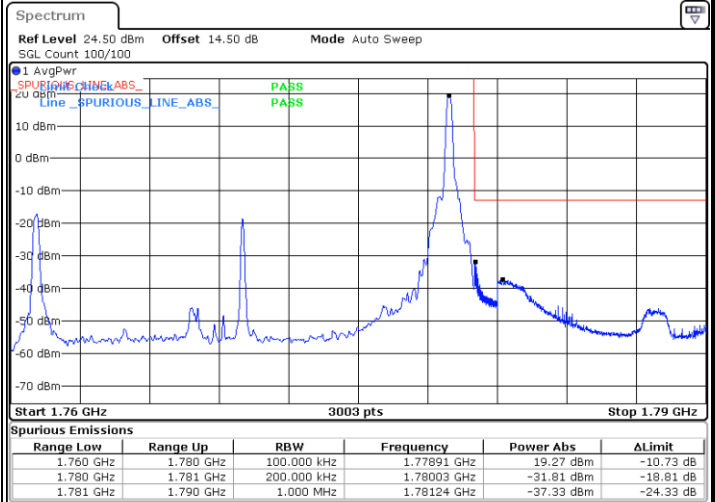
LTE Band 66 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



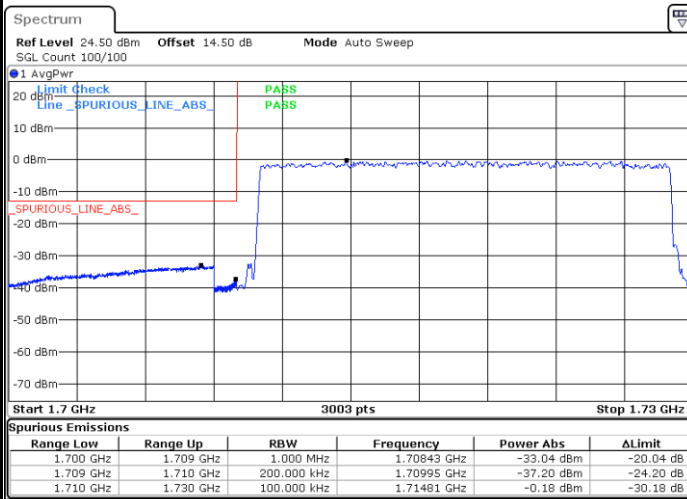
Date: 19.NOV.2020 21:19:10

Highest Band Edge / 1 RB



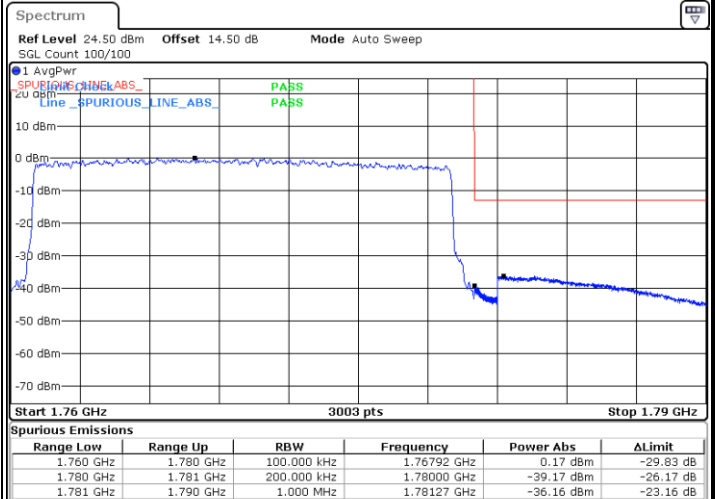
Date: 19.NOV.2020 22:04:34

Lowest Band Edge / Full RB



Date: 19.NOV.2020 21:09:03

Highest Band Edge / Full RB

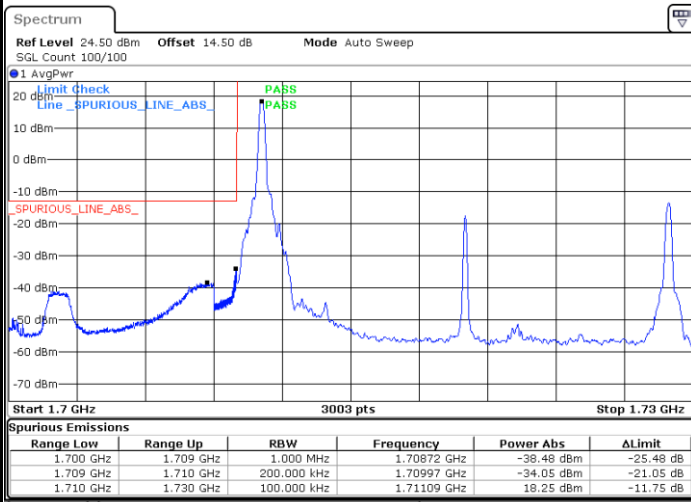


Date: 19.NOV.2020 21:35:39



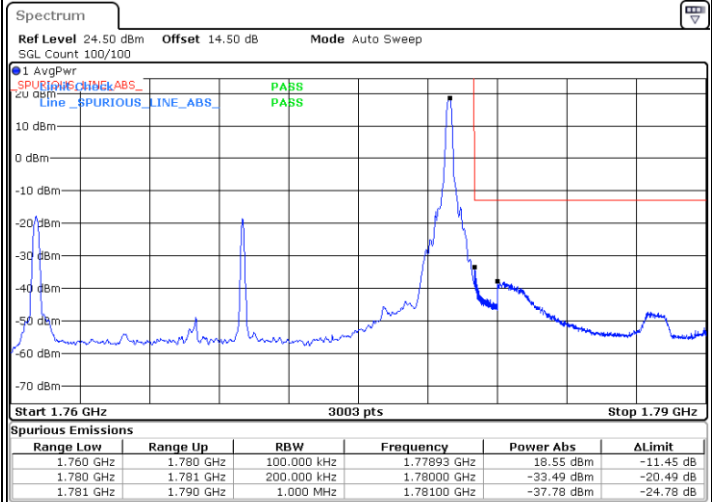
LTE Band 66 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



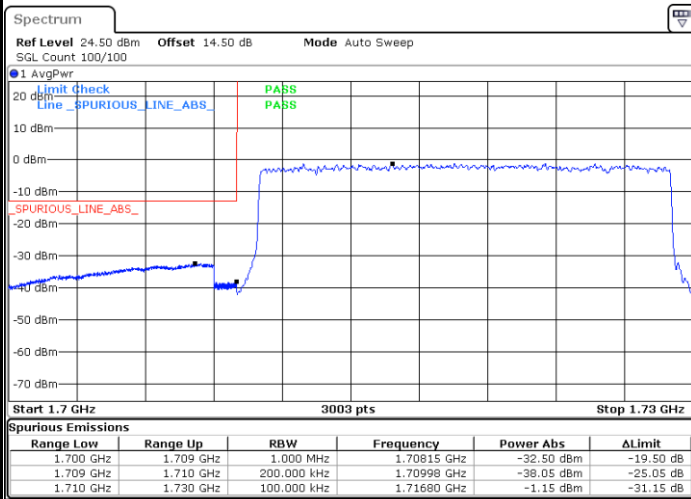
Date: 19.NOV.2020 21:11:24

Highest Band Edge / 1 RB



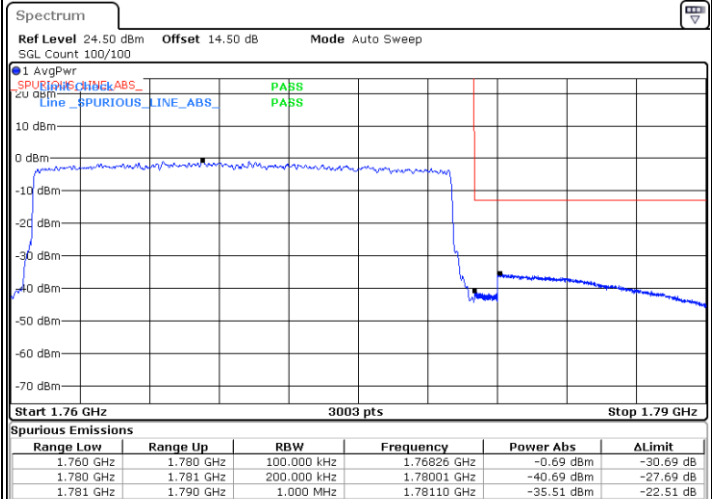
Date: 19.NOV.2020 22:04:54

Lowest Band Edge / Full RB



Date: 19.NOV.2020 21:10:31

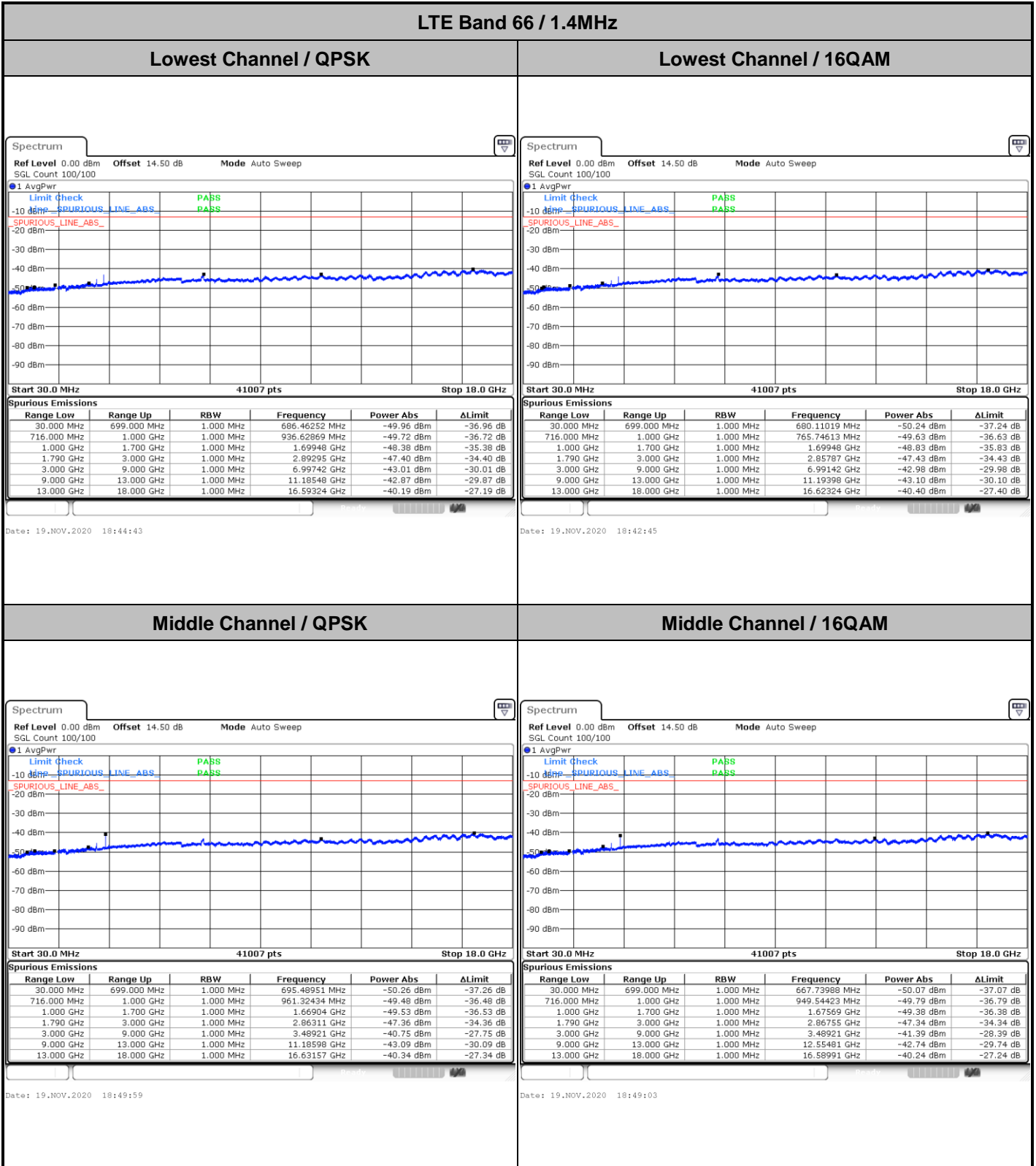
Highest Band Edge / Full RB



Date: 19.NOV.2020 21:55:31



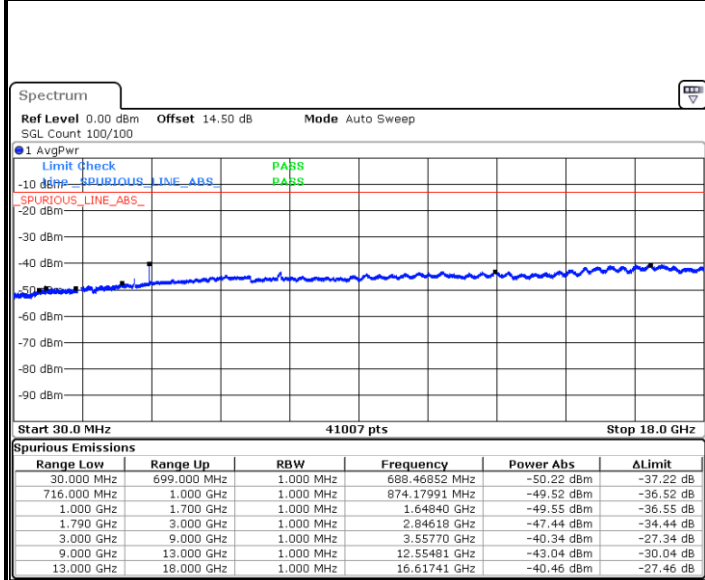
Conducted Spurious Emission





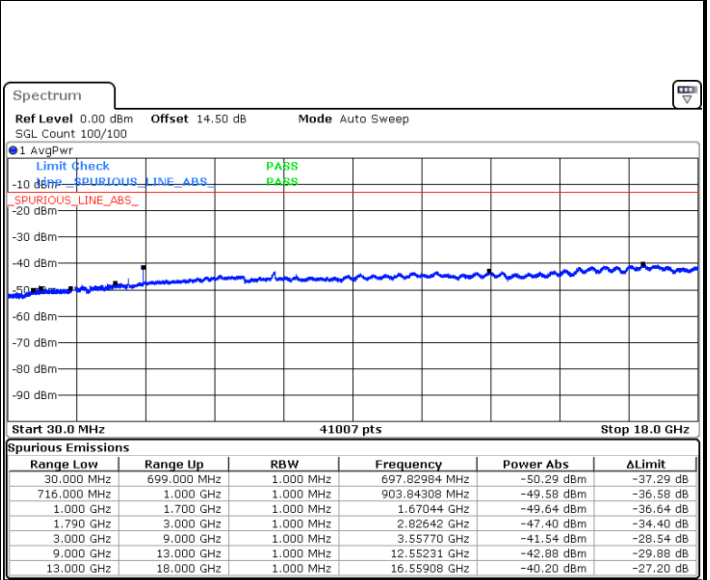
LTE Band 66 / 1.4MHz

Highest Channel / QPSK



Date: 19.NOV.2020 18:51:30

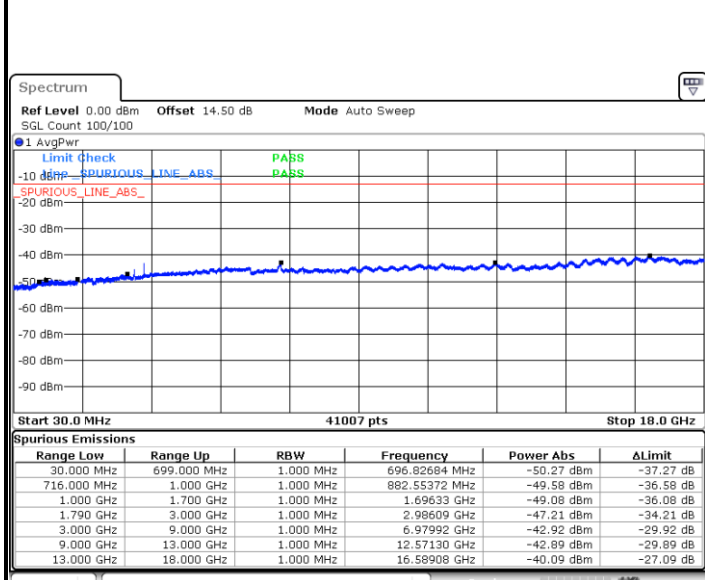
Highest Channel / 16QAM



Date: 19.NOV.2020 18:52:33

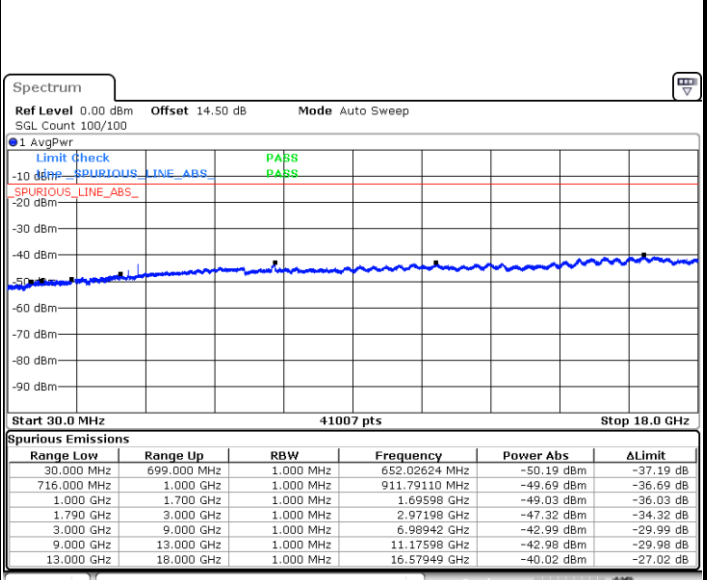
LTE Band 66 / 3MHz

Lowest Channel / QPSK



Date: 19.NOV.2020 19:16:13

Lowest Channel / 16QAM



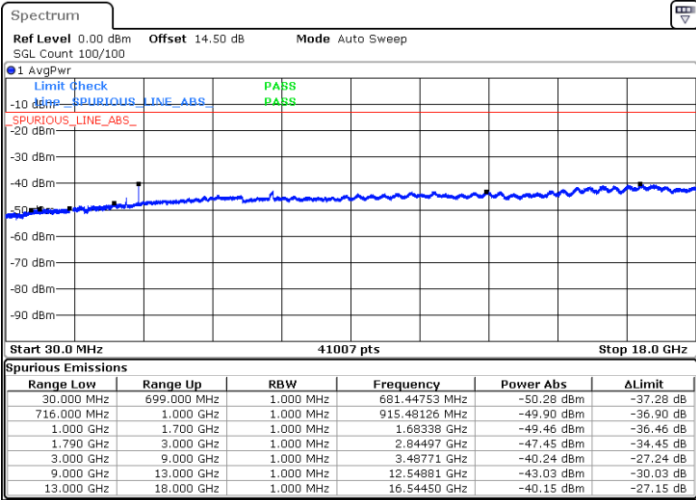
Date: 19.NOV.2020 19:14:35



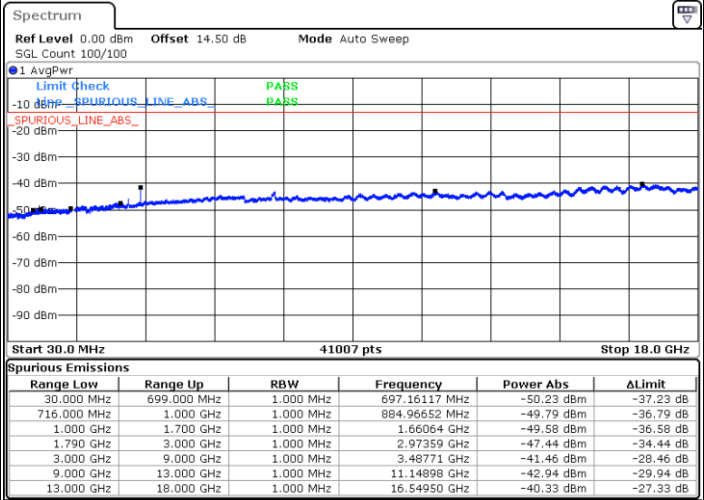
LTE Band 66 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM



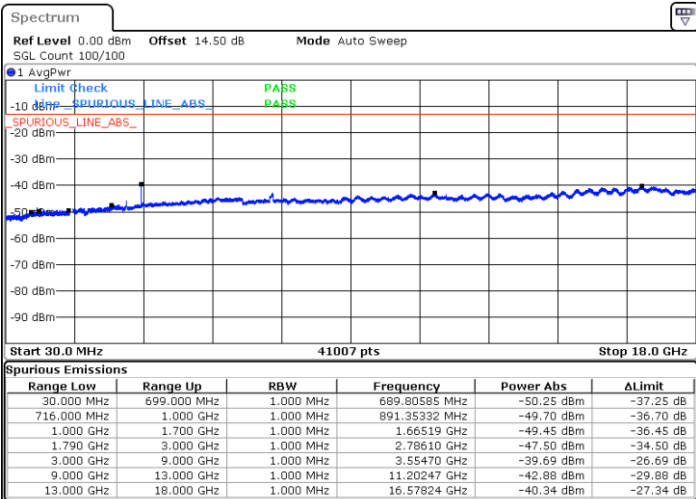
Date: 19.NOV.2020 19:17:34



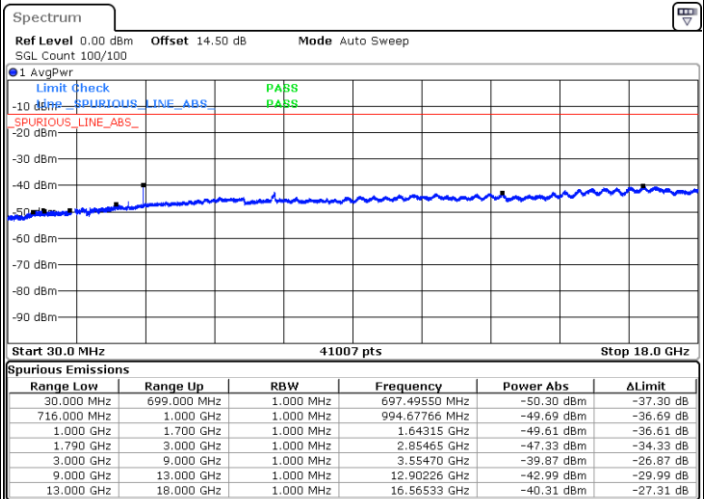
Date: 19.NOV.2020 19:18:24

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 19.NOV.2020 19:35:02



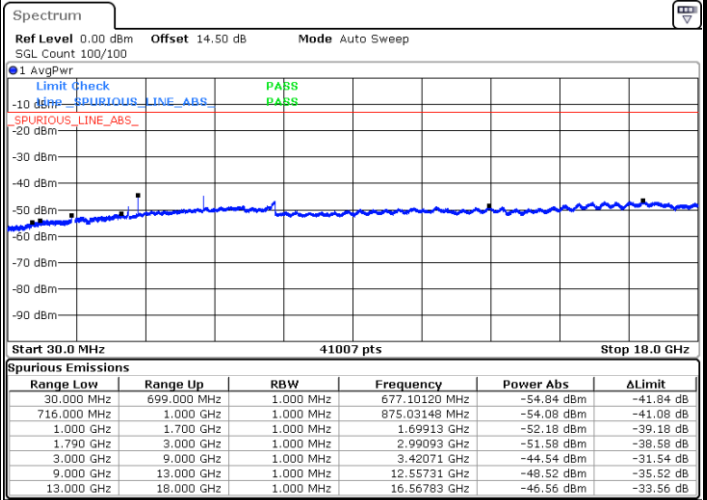
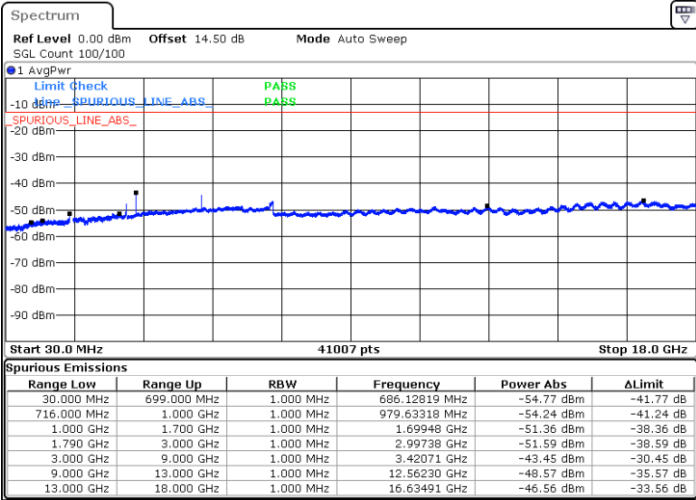
Date: 19.NOV.2020 19:34:13



LTE Band 66 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

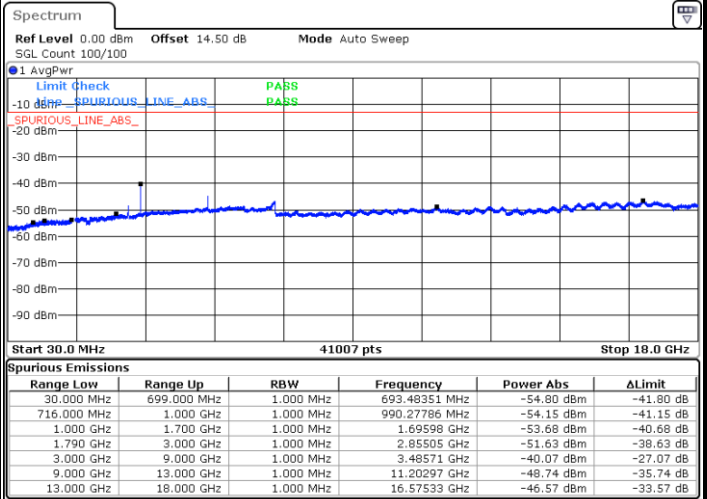
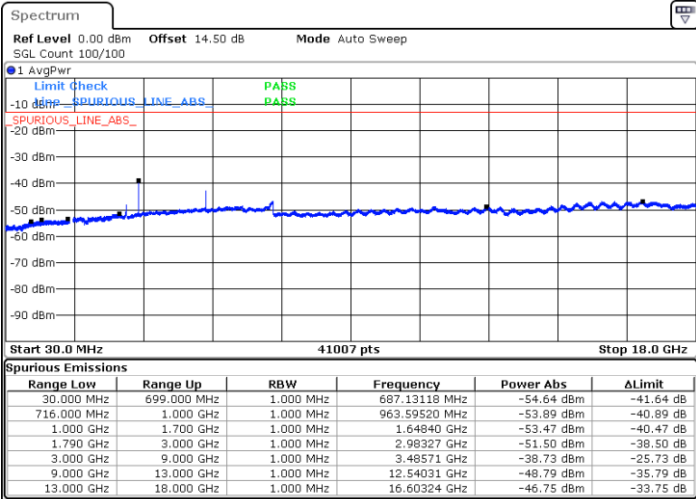


Date: 19.NOV.2020 19:47:53

Date: 19.NOV.2020 19:46:29

Middle Channel / QPSK

Middle Channel / 16QAM



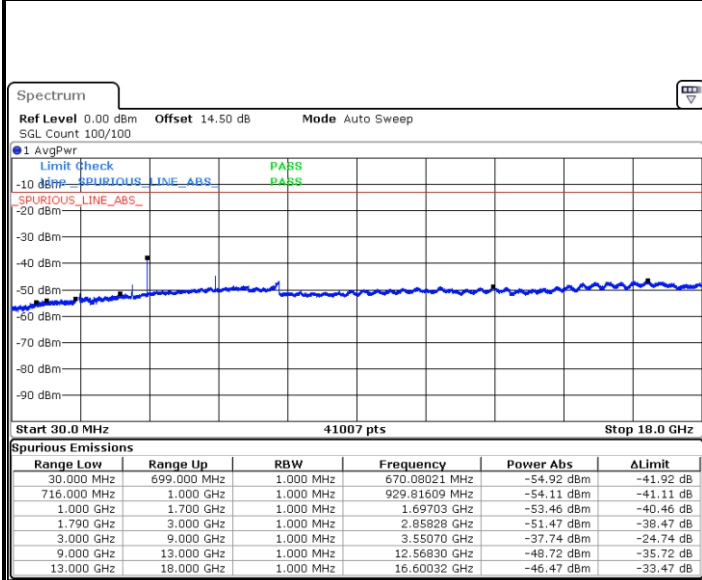
Date: 19.NOV.2020 19:49:44

Date: 19.NOV.2020 19:50:46



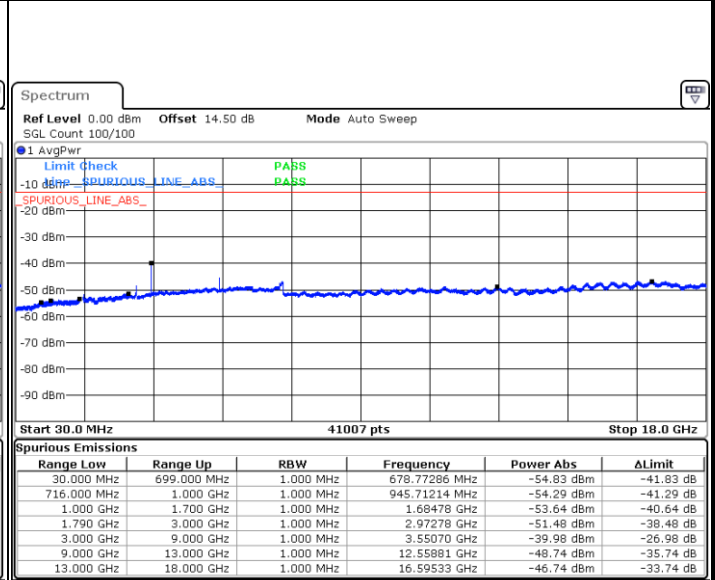
LTE Band 66 / 5MHz

Highest Channel / QPSK



Date: 19.NOV.2020 20:02:38

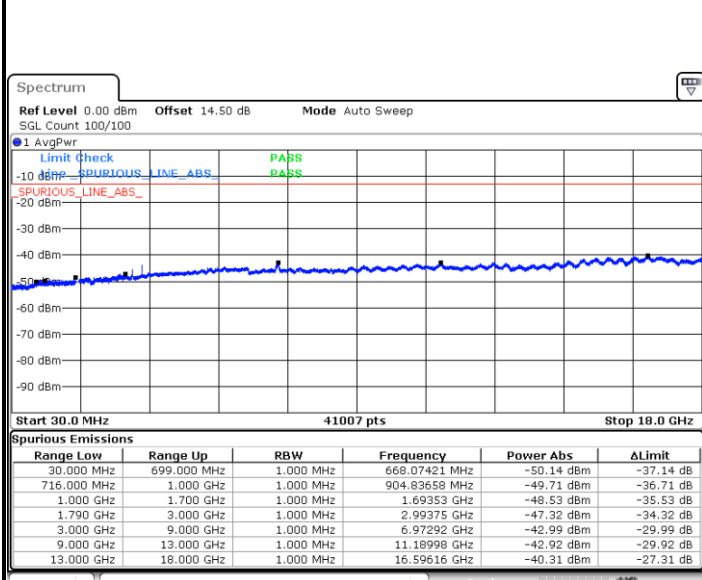
Highest Channel / 16QAM



Date: 19.NOV.2020 20:01:49

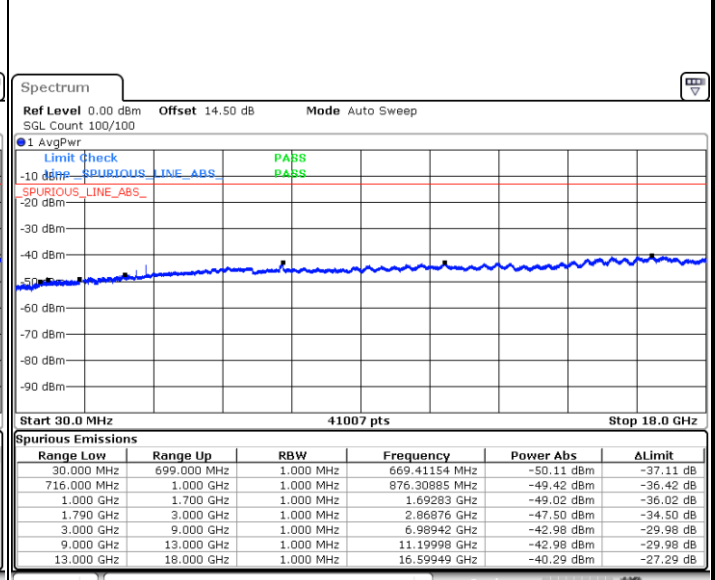
LTE Band 66 / 10MHz

Lowest Channel / QPSK



Date: 19.NOV.2020 20:21:06

Lowest Channel / 16QAM



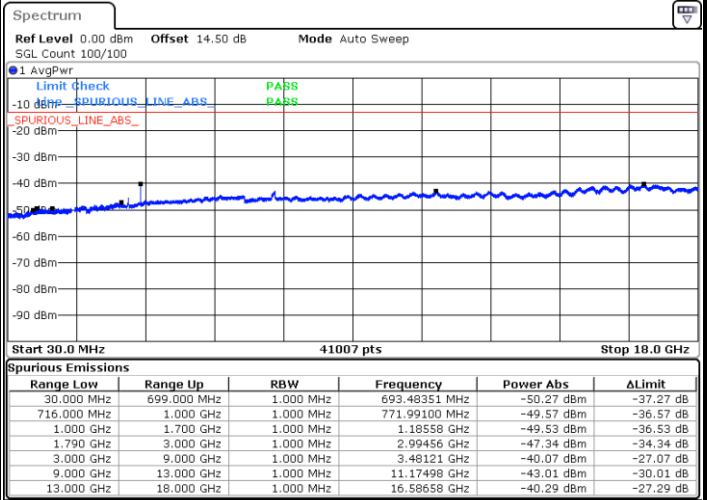
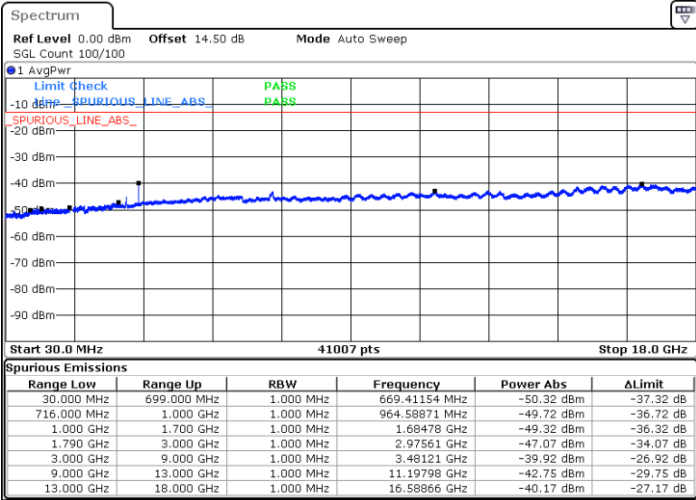
Date: 19.NOV.2020 20:20:01



LTE Band 66 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

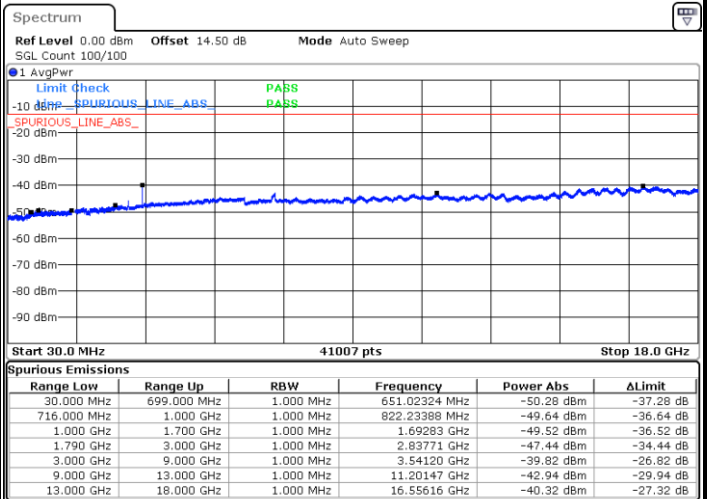
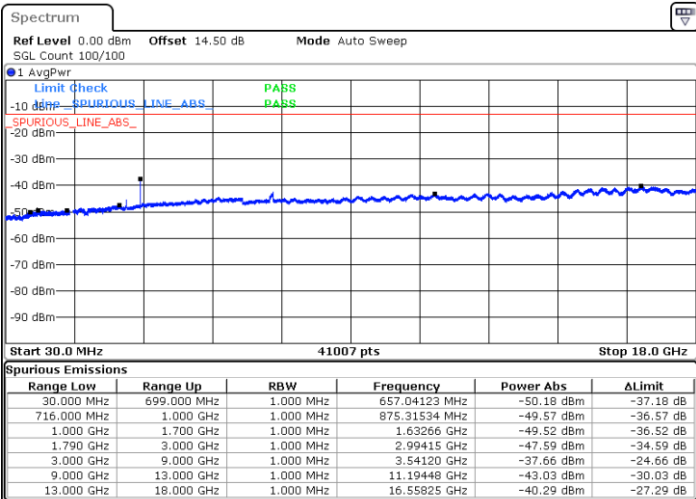


Date: 19.NOV.2020 20:22:29

Date: 19.NOV.2020 20:23:16

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 19.NOV.2020 20:32:22

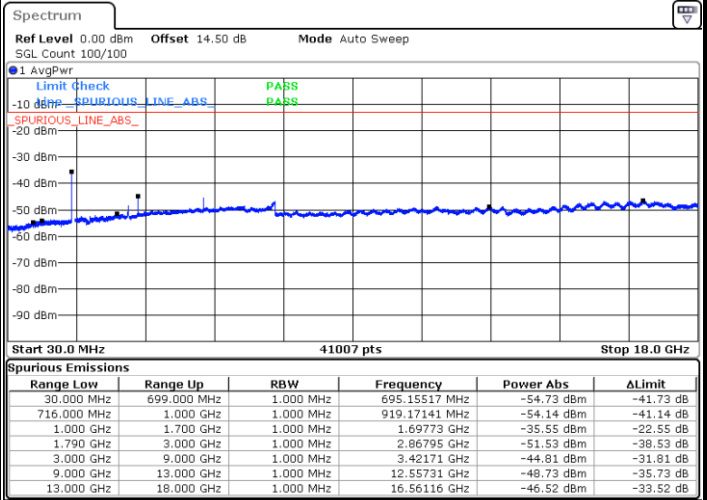
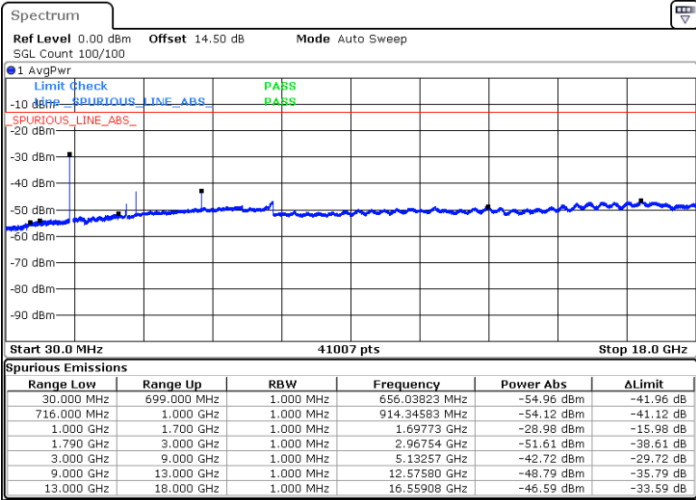
Date: 19.NOV.2020 20:31:33



LTE Band 66 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

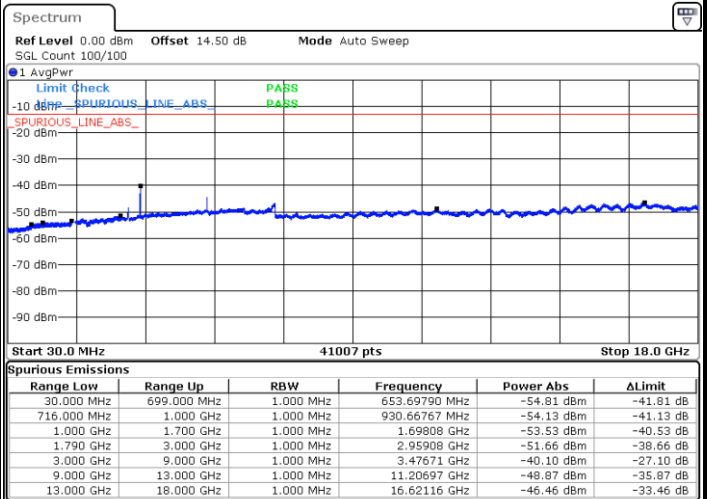
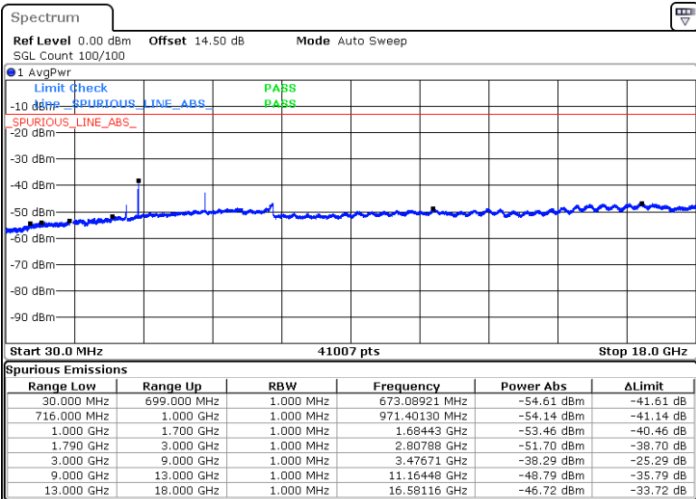


Date: 19.NOV.2020 20:46:19

Date: 19.NOV.2020 20:43:24

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 19.NOV.2020 20:47:59

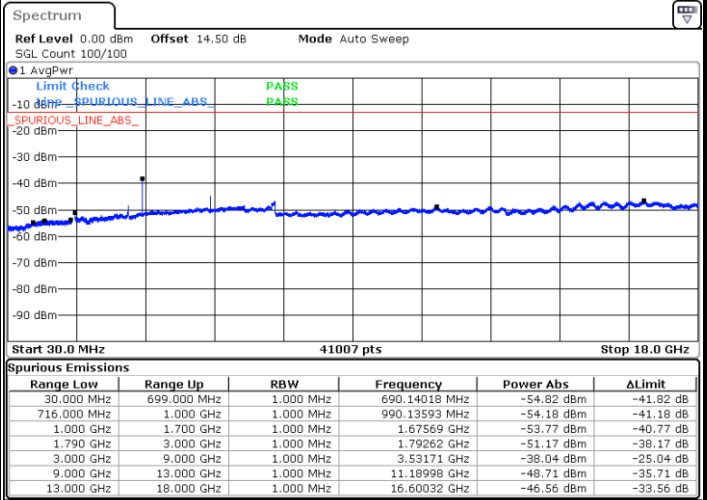
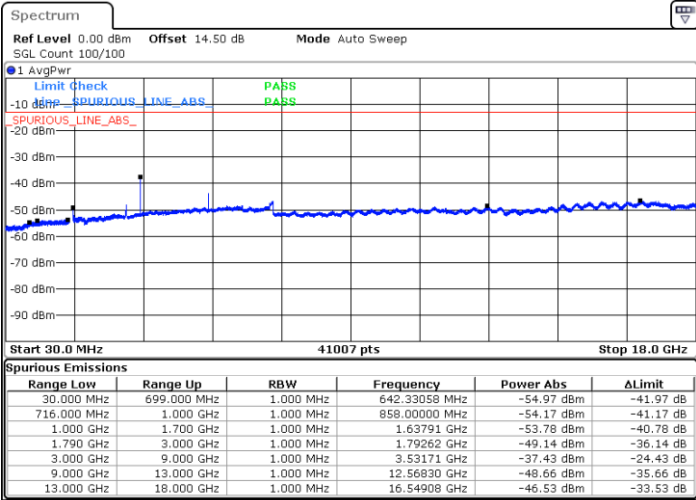
Date: 19.NOV.2020 20:48:48



LTE Band 66 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



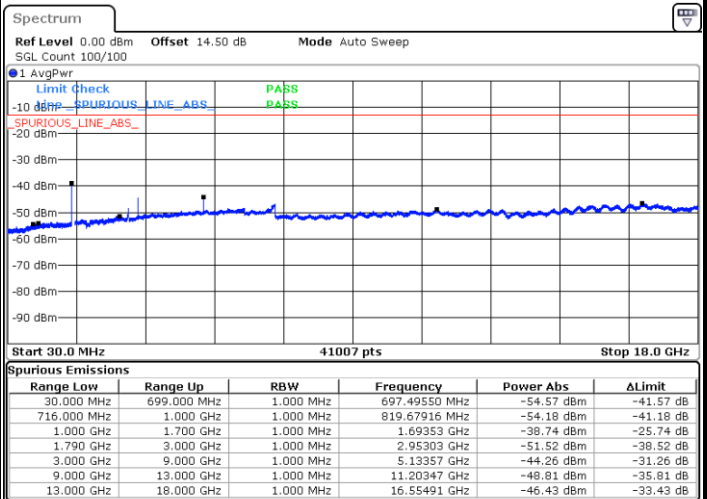
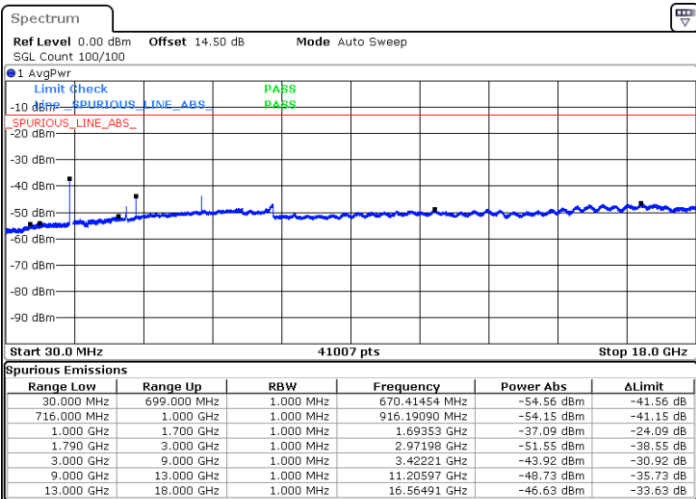
Date: 19.NOV.2020 21:01:24

Date: 19.NOV.2020 20:59:26

LTE Band 66 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 19.NOV.2020 21:21:02

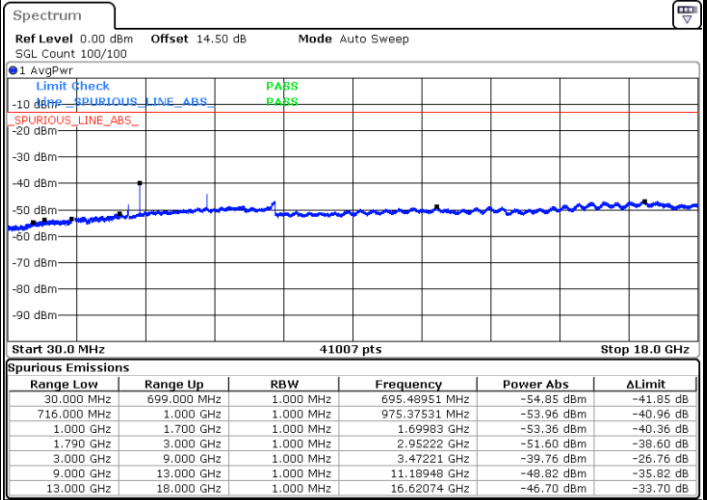
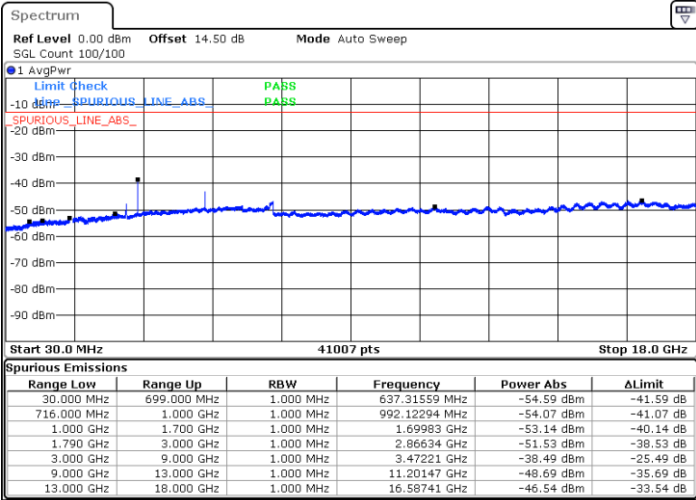
Date: 19.NOV.2020 21:19:56



LTE Band 66 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

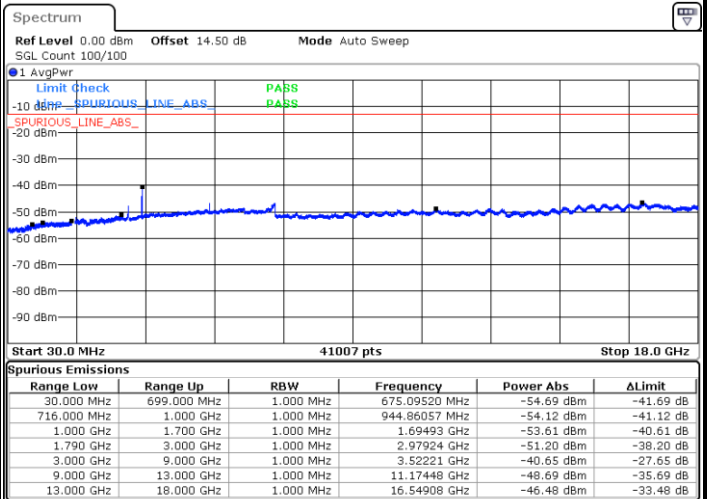
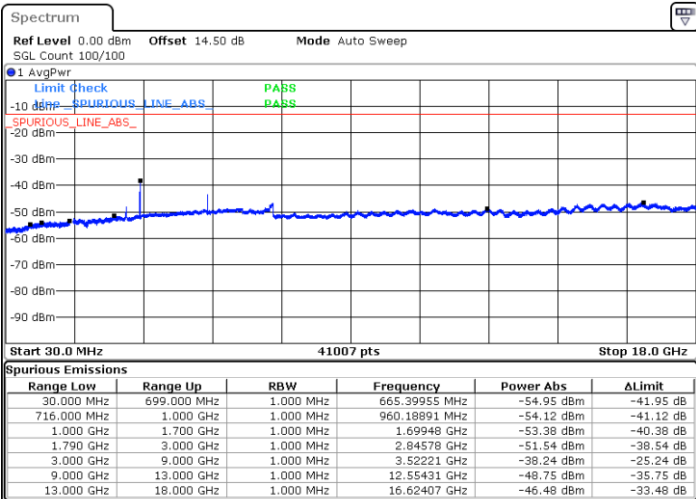


Date: 19.NOV.2020 21:25:30

Date: 19.NOV.2020 21:26:32

Highest Channel / QPSK

Highest Channel / 16QAM



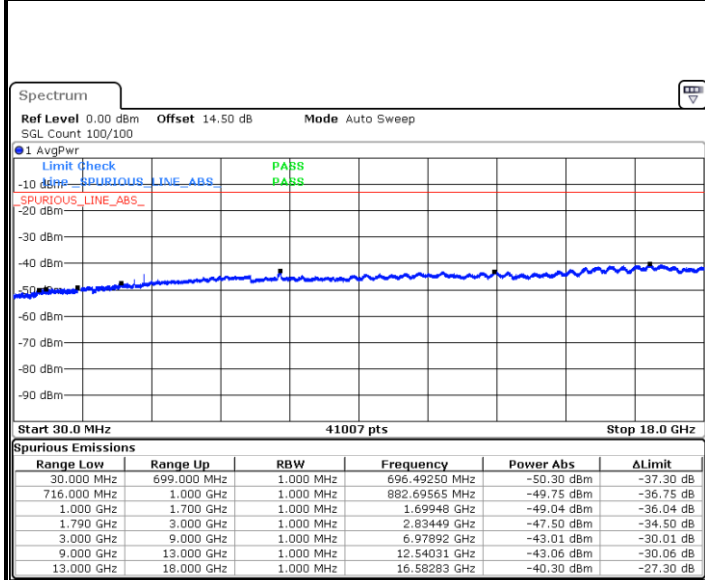
Date: 19.NOV.2020 22:03:22

Date: 19.NOV.2020 22:02:23



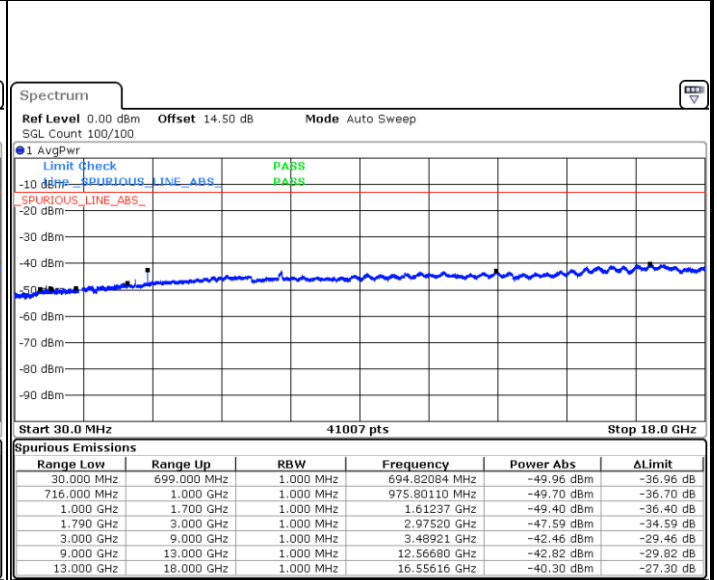
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM



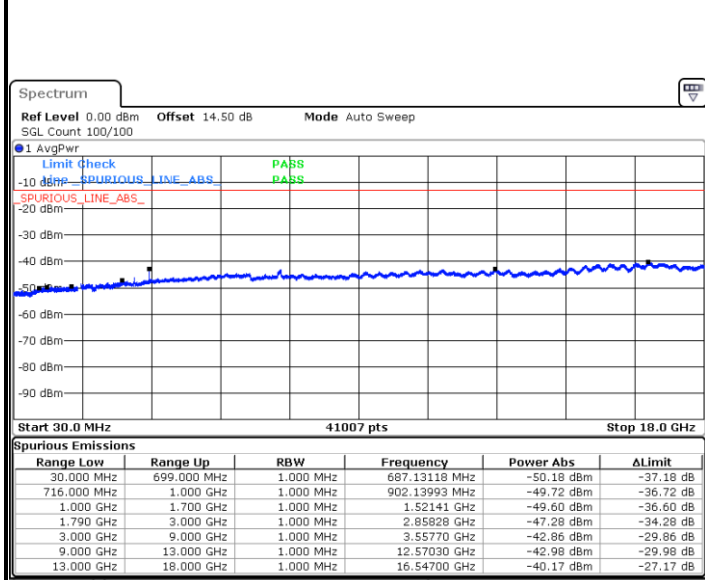
Date: 19.NOV.2020 18:40:44

Middle Channel / 64QAM



Date: 19.NOV.2020 18:48:07

Highest Channel / 64QAM



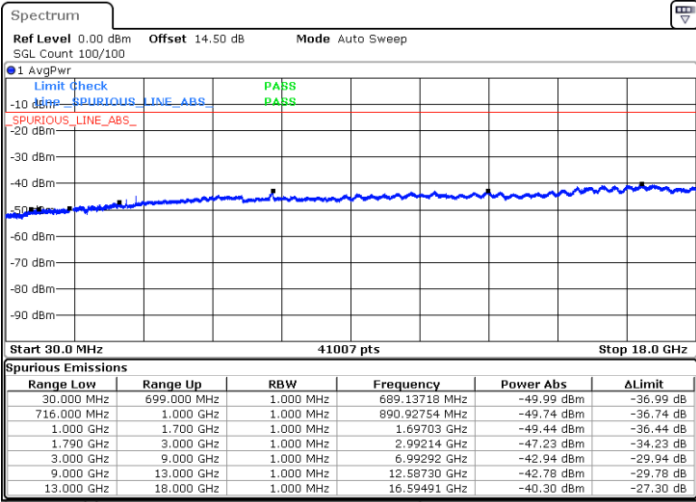
Date: 19.NOV.2020 18:53:25



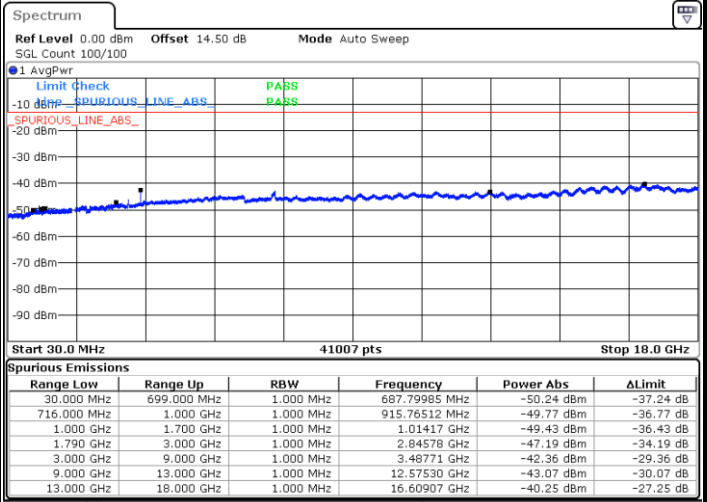
LTE Band 66 / 3MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

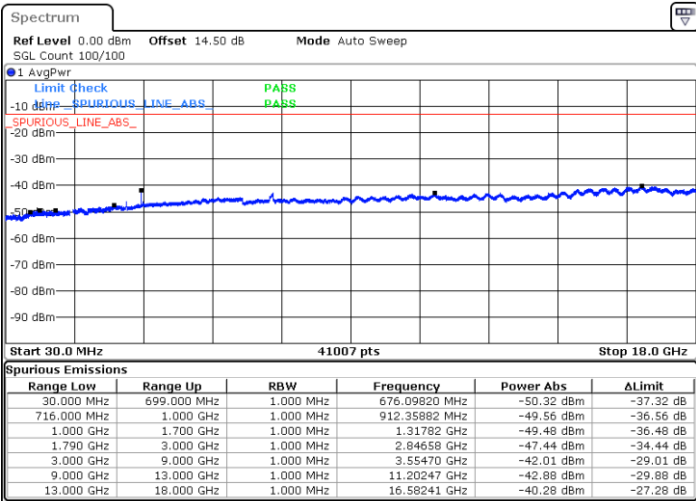


Date: 19.NOV.2020 19:11:33



Date: 19.NOV.2020 19:19:39

Highest Channel / 64QAM



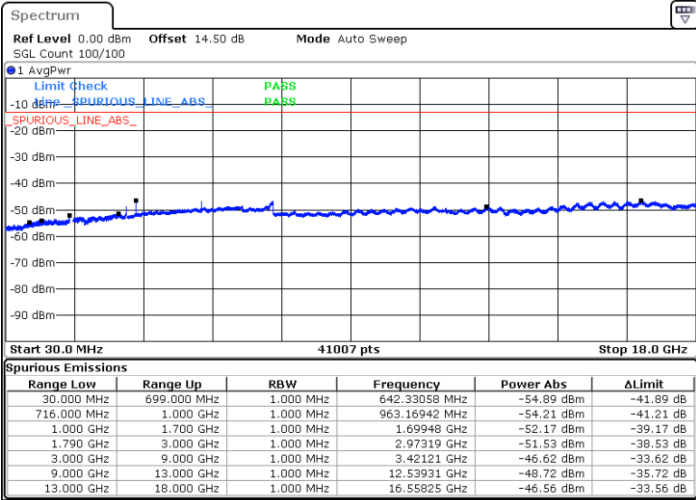
Date: 19.NOV.2020 19:33:23



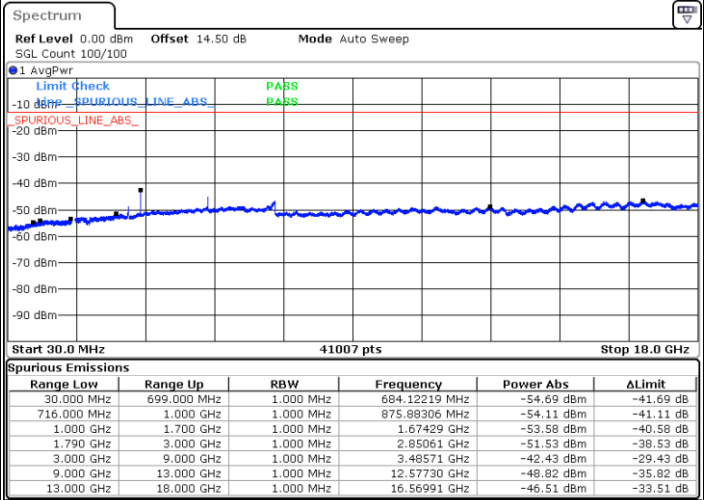
LTE Band 66 / 5MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

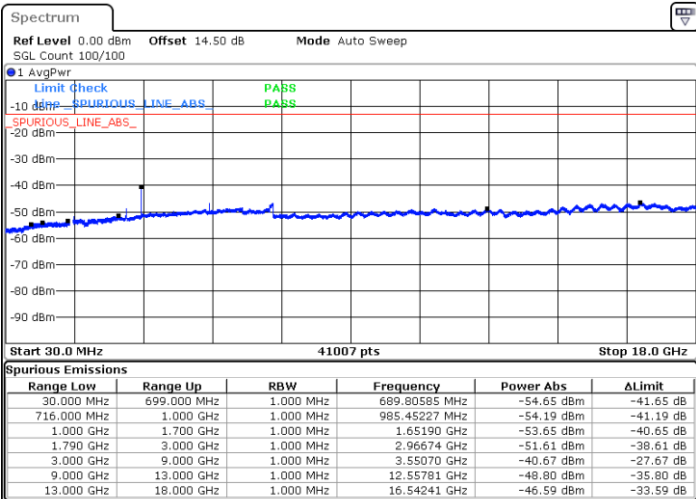


Date: 19.NOV.2020 19:45:12



Date: 19.NOV.2020 19:51:51

Highest Channel / 64QAM

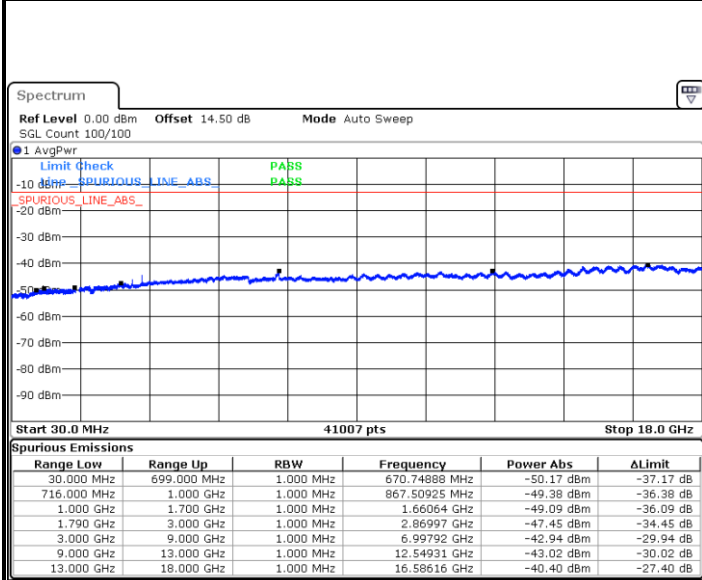


Date: 19.NOV.2020 20:00:58



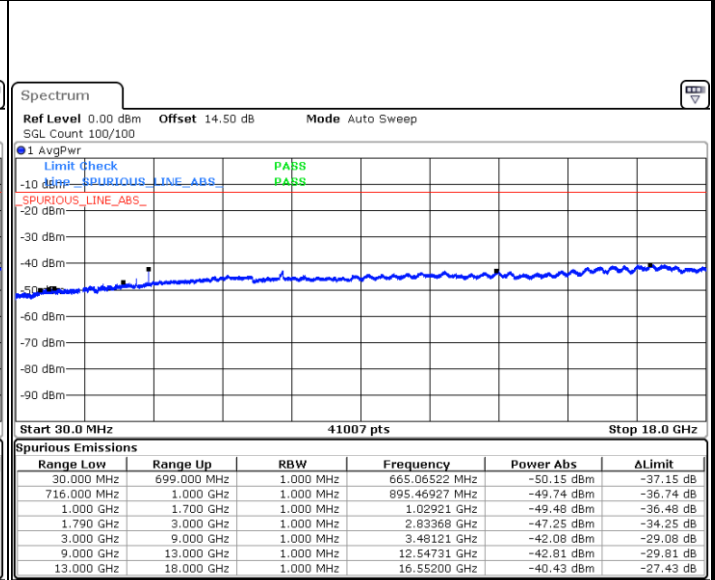
LTE Band 66 / 10MHz

Lowest Channel / 64QAM



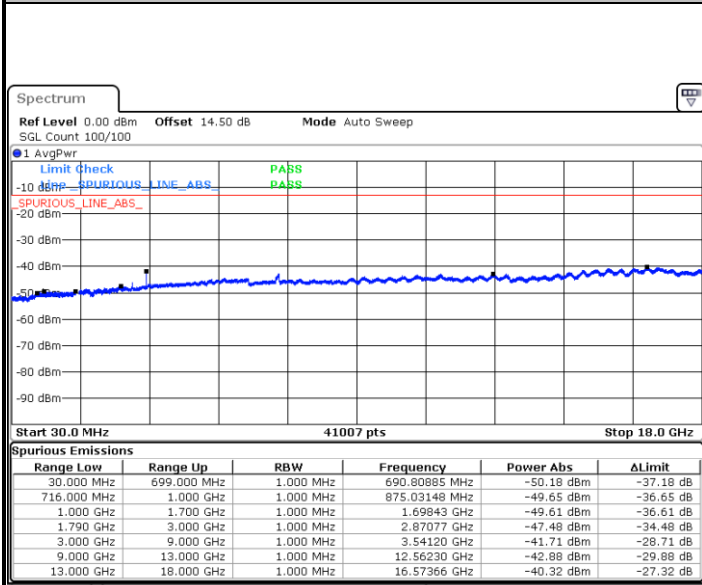
Date: 19.NOV.2020 20:18:55

Middle Channel / 64QAM



Date: 19.NOV.2020 20:24:23

Highest Channel / 64QAM



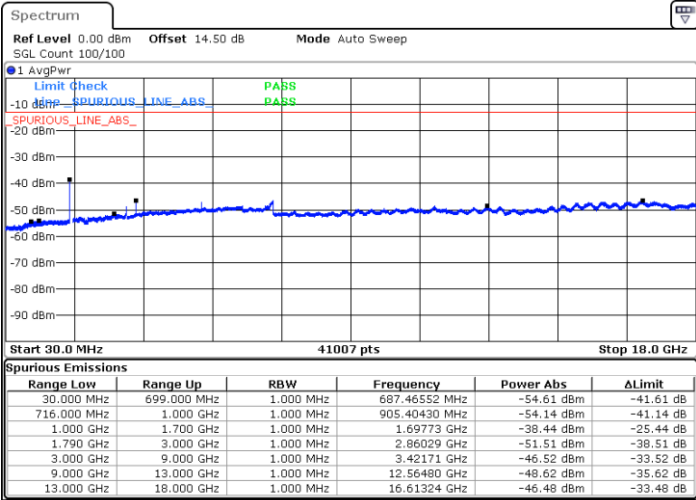
Date: 19.NOV.2020 20:30:39



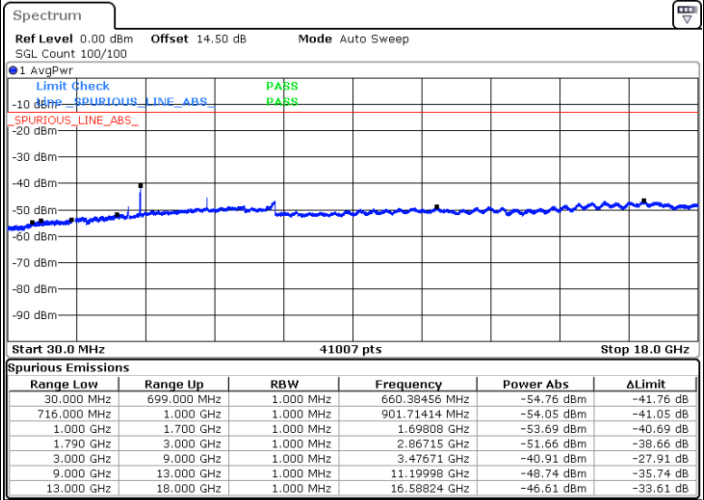
LTE Band 66 / 15MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

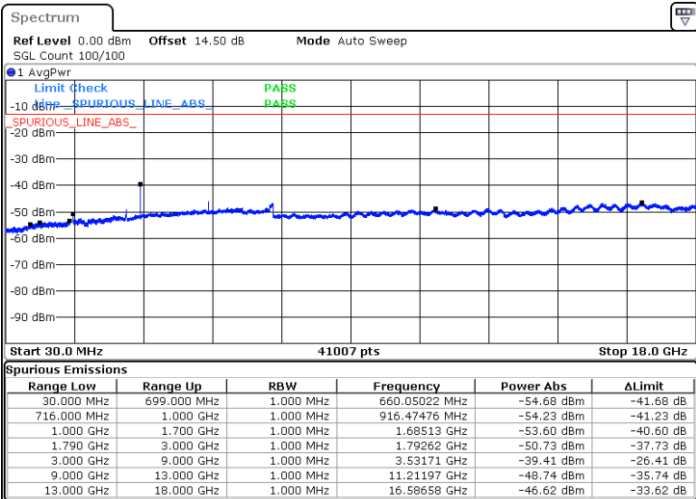


Date: 19.NOV.2020 20:42:15



Date: 19.NOV.2020 20:49:41

Highest Channel / 64QAM



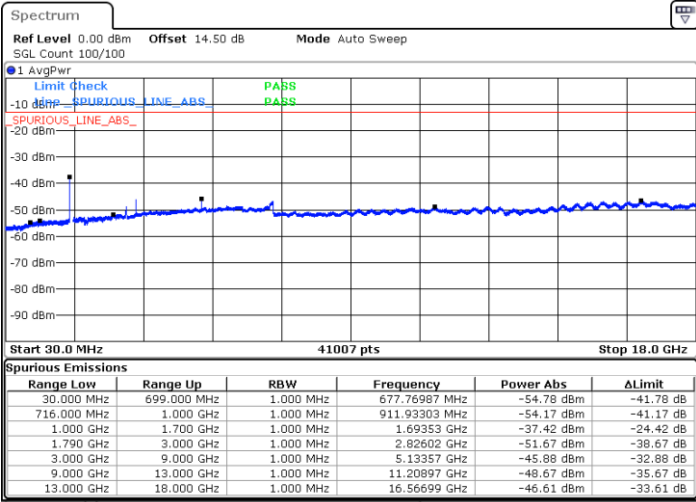
Date: 19.NOV.2020 20:58:34



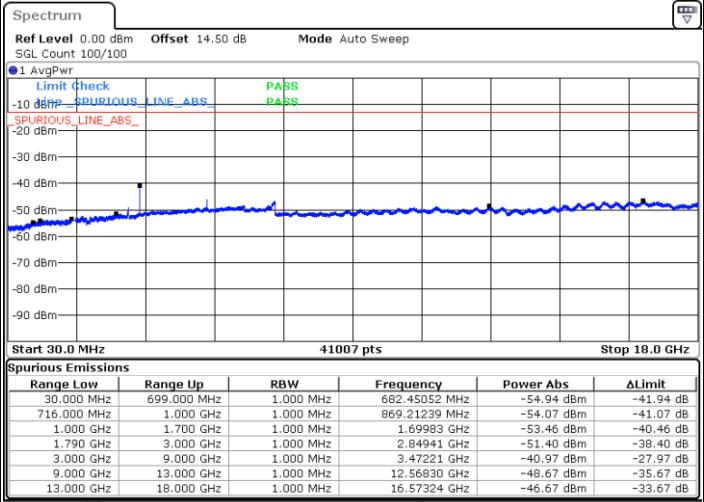
LTE Band 66 / 20MHz

Lowest Channel / 64QAM

Middle Channel / 64QAM

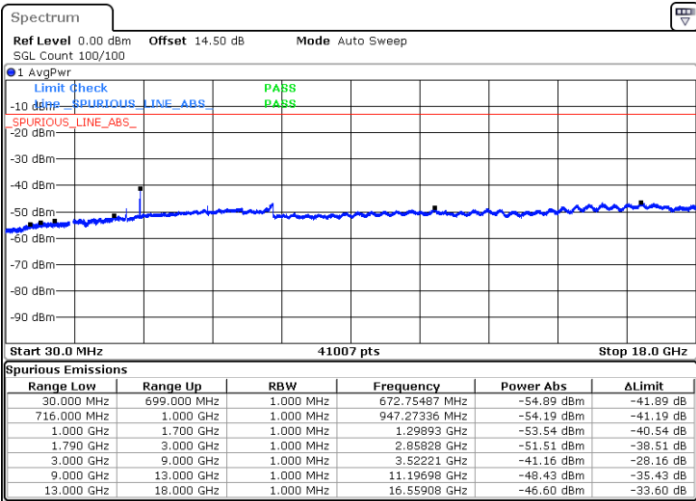


Date: 19.NOV.2020 21:16:55



Date: 19.NOV.2020 21:27:53

Highest Channel / 64QAM



Date: 19.NOV.2020 22:00:33



Frequency Stability

Test Conditions		LTE Band 66 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0008	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0020	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0006	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0004	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0014	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 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 5 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	1664.08	-53.56	-13	-40.56	-59.81	-56.81	4.00	9.40	H
	2496.27	-53.92	-13	-40.92	-64.21	-57.49	4.88	10.60	H
	3328.36	-52.43	-13	-39.43	-64.60	-57.36	5.52	12.60	H
	4160.35	-53.97	-13	-40.97	-69.63	-58.44	6.00	12.62	H
	4992	-56.52	-13	-43.52	-73.90	-59.93	7.14	12.70	H
	1664.08	-53.99	-13	-40.99	-60.01	-57.24	4.00	9.40	V
	2496.27	-53.44	-13	-40.44	-64.07	-57.01	4.88	10.60	V
	3328.36	-53.94	-13	-40.94	-66.52	-58.87	5.52	12.60	V
	4160.35	-53.85	-13	-40.85	-69.68	-58.32	6.00	12.62	V
	4992	-55.38	-13	-42.38	-72.69	-58.79	7.14	12.70	V

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

LTE Band 66 / 20MHz / QPSK									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3472	-57.64	-13	-44.64	-70.46	-64.49	5.65	12.50	H
	5208	-55.82	-13	-42.82	-73.28	-61.49	7.13	12.80	H
	6944	-56.63	-13	-43.63	-77.54	-60.03	8.40	11.80	H
	3472	-54.59	-13	-41.59	-67.96	-61.44	5.65	12.50	V
	5208	-56.83	-13	-43.83	-74.24	-62.50	7.13	12.80	V
	6944	-55.43	-13	-42.43	-76.39	-58.83	8.40	11.80	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 FG002013B which is issued separately.