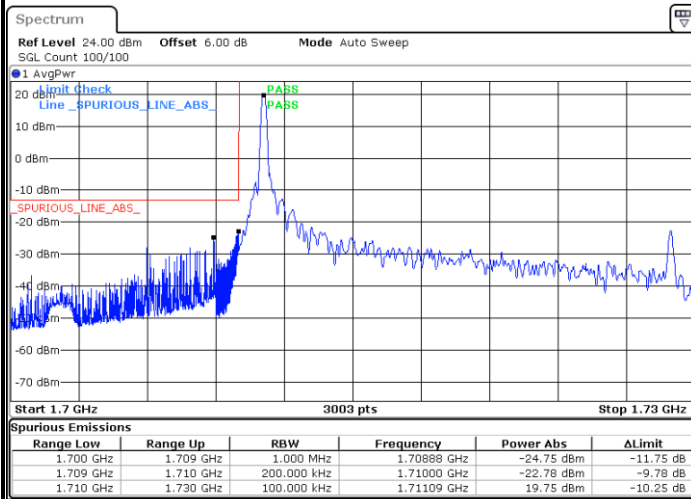


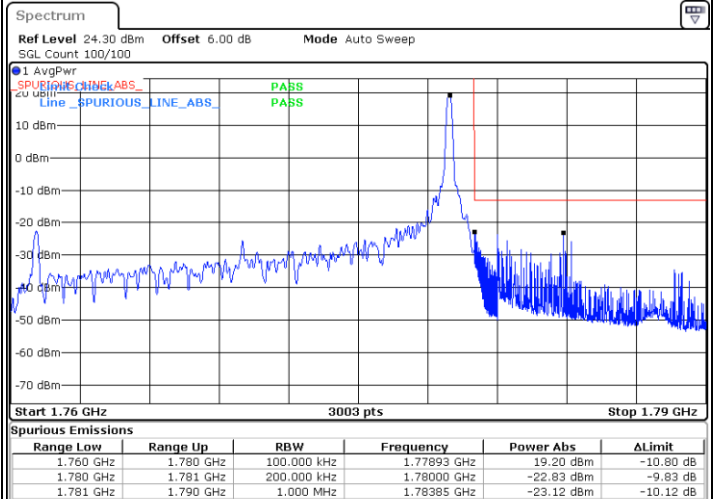


LTE Band 66 / 20MHz / 64QAM

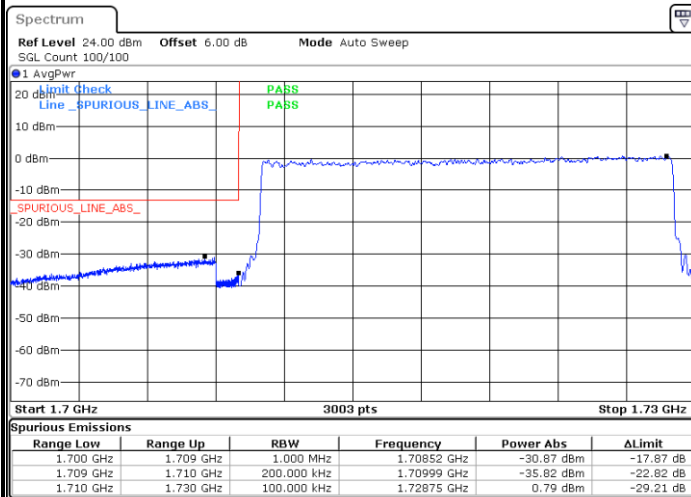
Lowest Band Edge / 1 RB



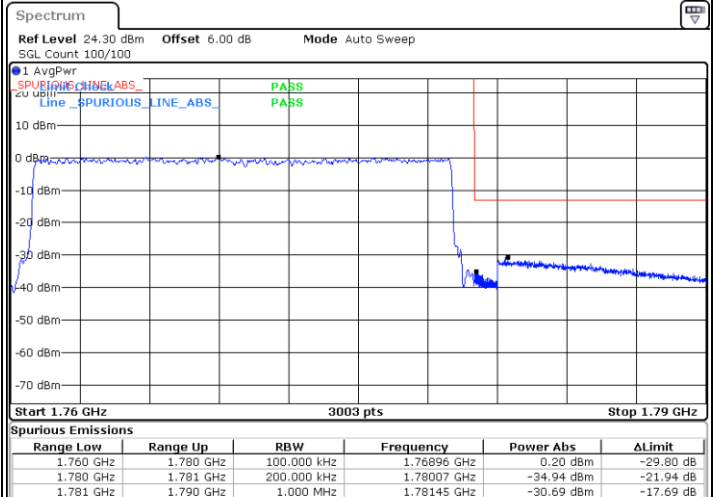
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

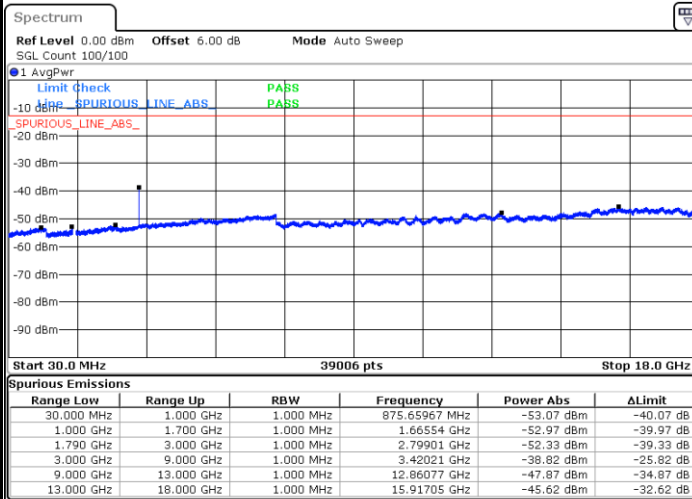




Conducted Spurious Emission

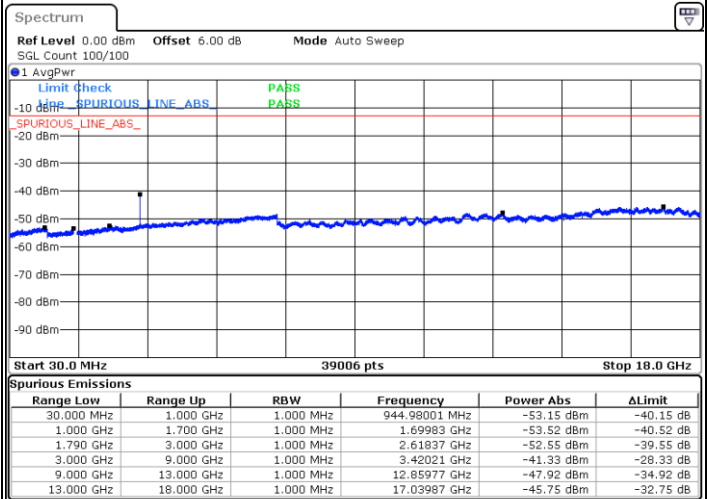
LTE Band 66 / 1.4MHz

Lowest Channel / QPSK



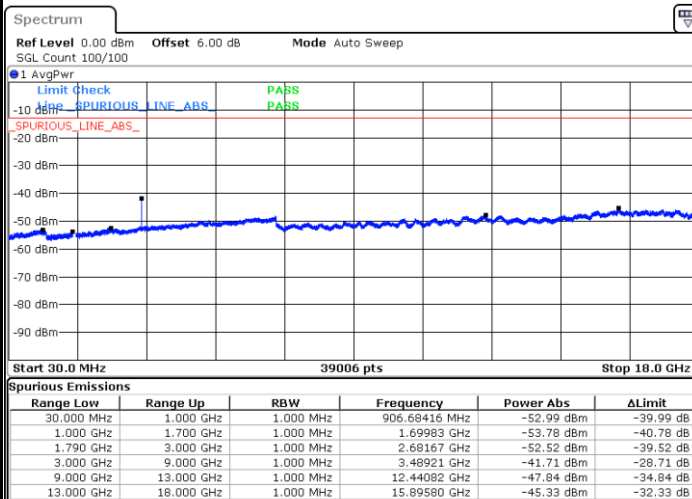
Date: 15 NOV 2020 21:01:31

Lowest Channel / 16QAM



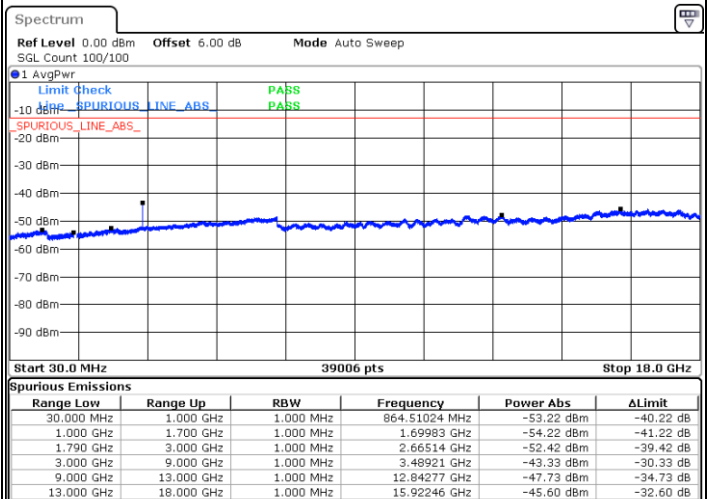
Date: 15 NOV 2020 21:03:19

Middle Channel / QPSK



Date: 15 NOV 2020 21:07:36

Middle Channel / 16QAM

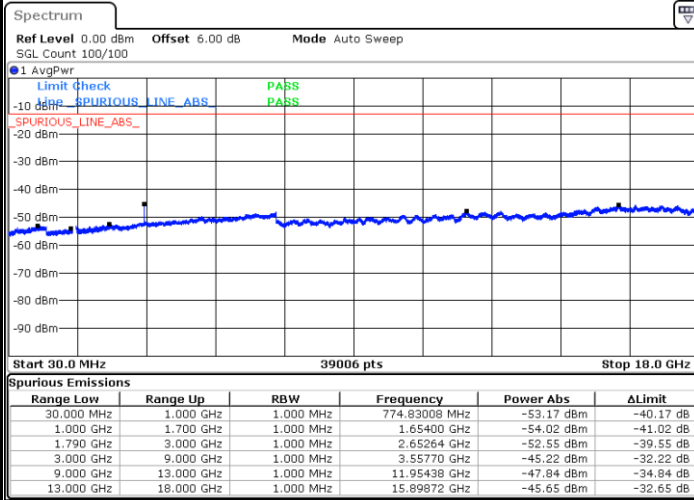


Date: 15 NOV 2020 21:08:19



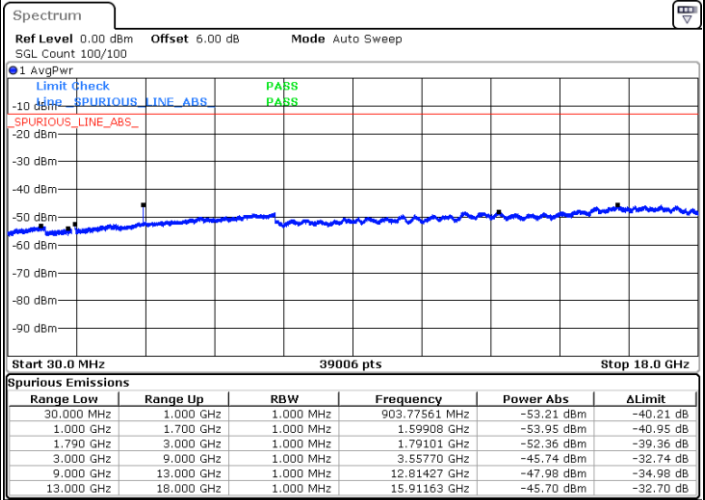
LTE Band 66 / 1.4MHz

Highest Channel / QPSK



Date: 15 NOV 2020 21:18:18

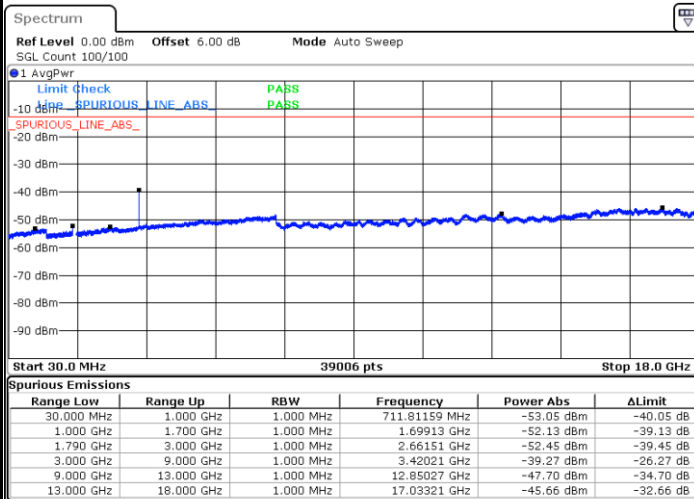
Highest Channel / 16QAM



Date: 15 NOV 2020 21:18:56

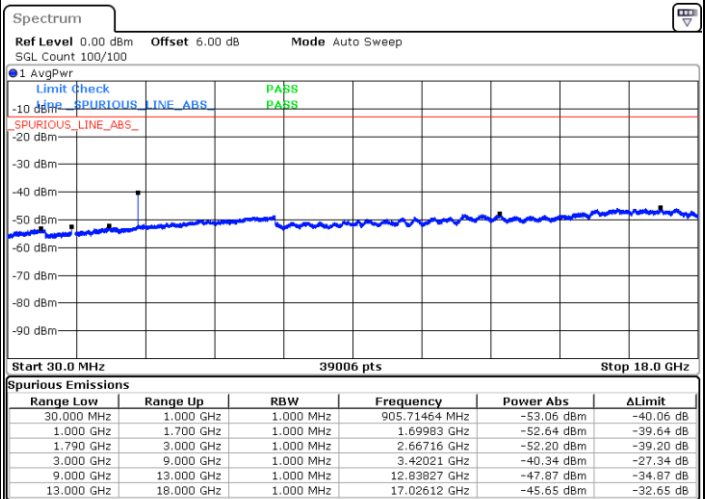
LTE Band 66 / 3MHz

Lowest Channel / QPSK



Date: 15 NOV 2020 21:25:08

Lowest Channel / 16QAM

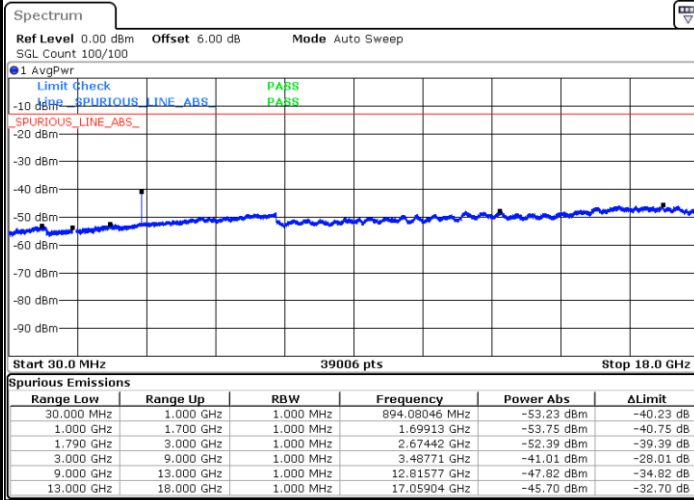


Date: 15 NOV 2020 21:26:19



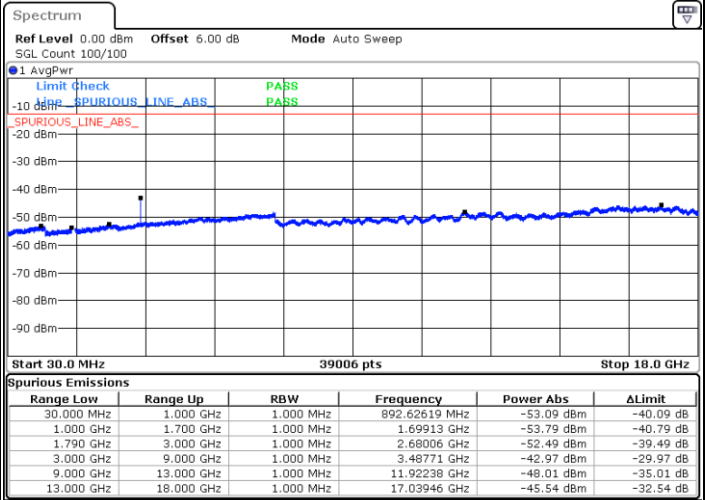
LTE Band 66 / 3MHz

Middle Channel / QPSK



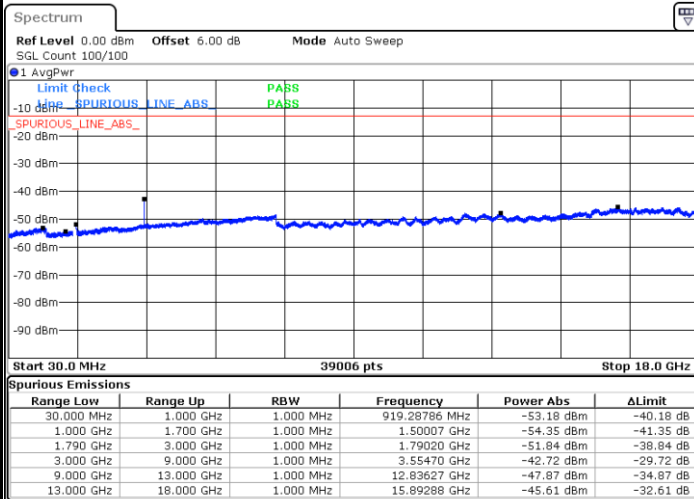
Date: 15 NOV 2020 21:29:16

Middle Channel / 16QAM



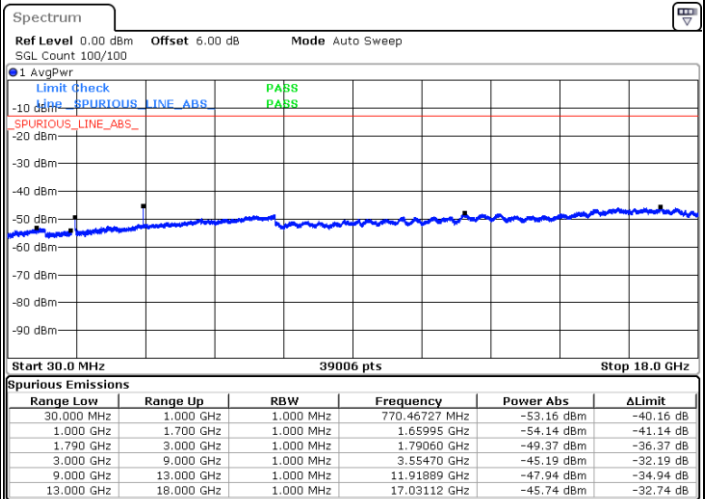
Date: 15 NOV 2020 21:29:55

Highest Channel / QPSK



Date: 15 NOV 2020 21:36:59

Highest Channel / 16QAM

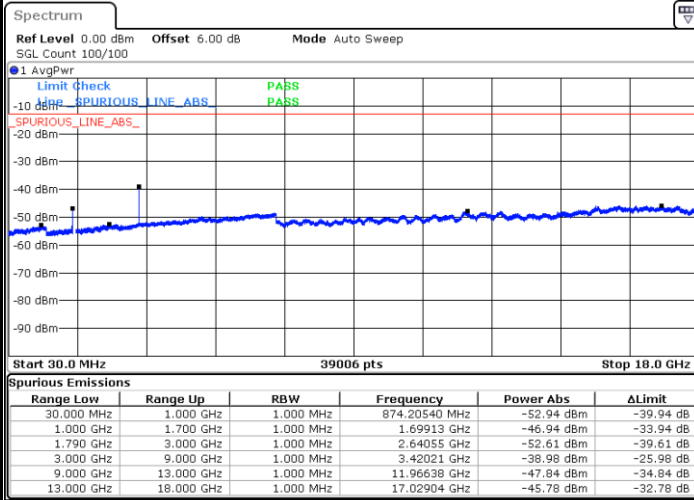


Date: 15 NOV 2020 21:37:38



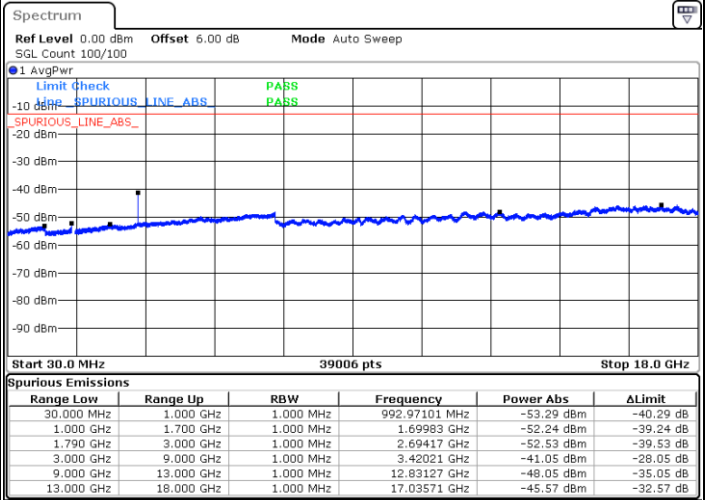
LTE Band 66 / 5MHz

Lowest Channel / QPSK



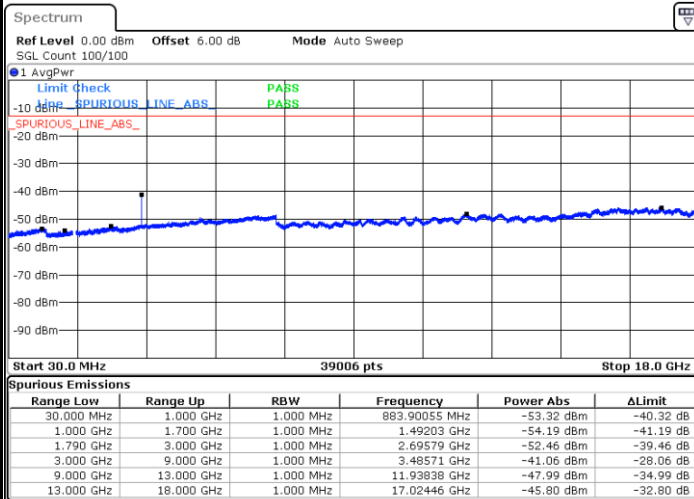
Date: 15 NOV 2020 21:41:42

Lowest Channel / 16QAM



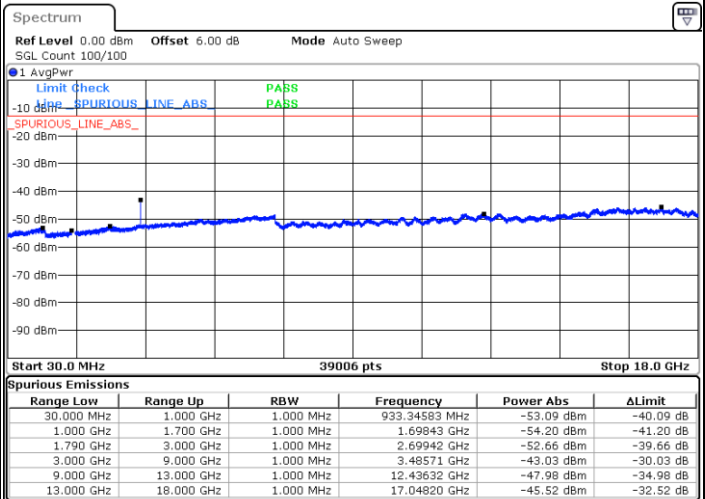
Date: 15 NOV 2020 21:42:39

Middle Channel / QPSK



Date: 15 NOV 2020 21:46:41

Middle Channel / 16QAM

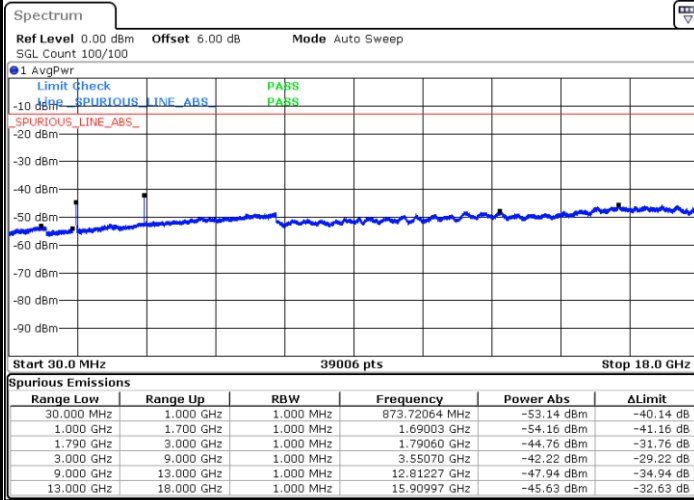


Date: 15 NOV 2020 21:47:21



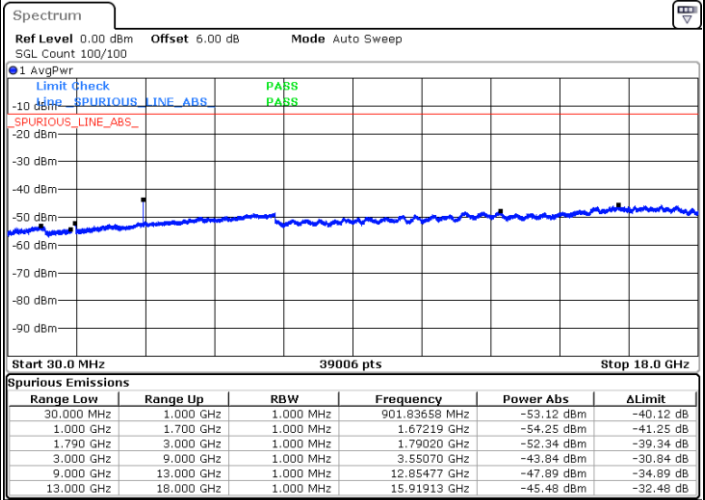
LTE Band 66 / 5MHz

Highest Channel / QPSK



Date: 15 NOV 2020 21:52:24

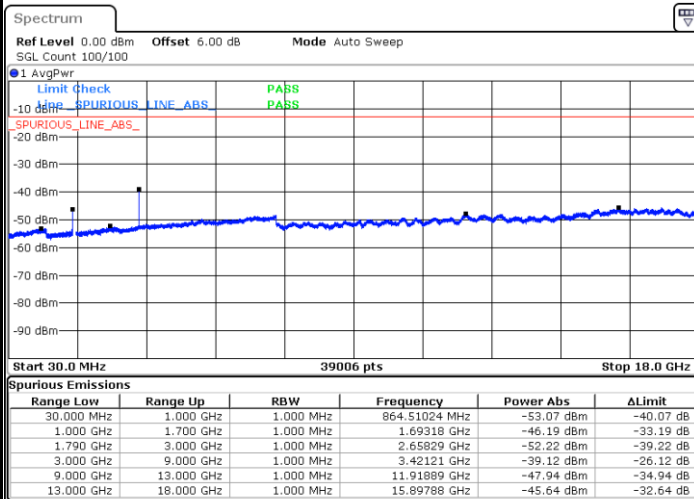
Highest Channel / 16QAM



Date: 15 NOV 2020 21:53:35

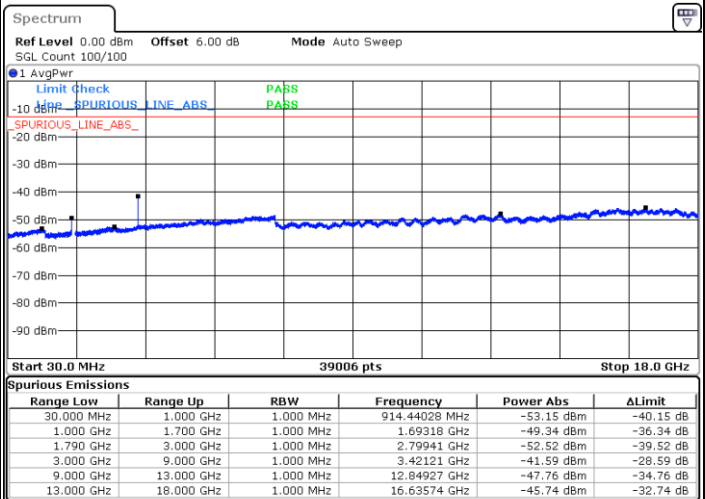
LTE Band 66 / 10MHz

Lowest Channel / QPSK



Date: 15 NOV 2020 22:06:38

Lowest Channel / 16QAM

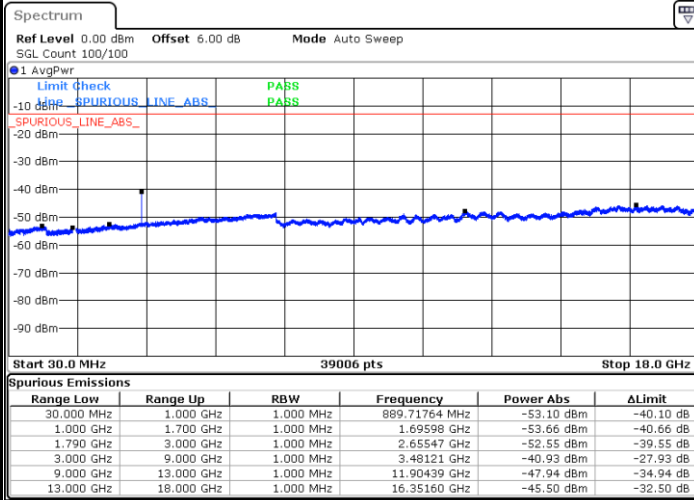


Date: 15 NOV 2020 22:07:26



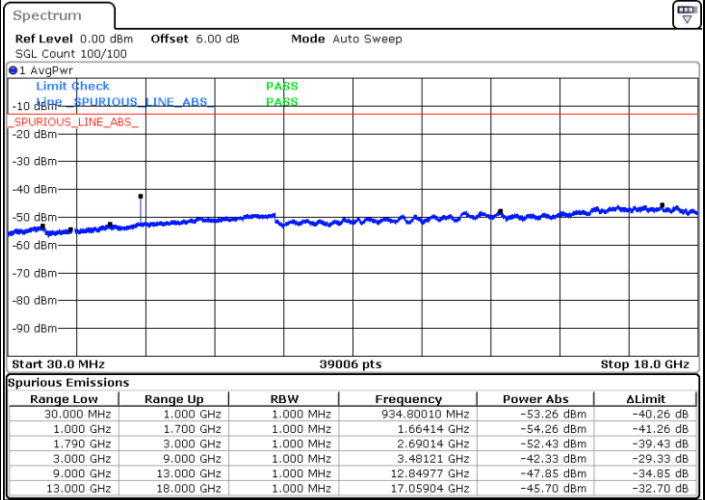
LTE Band 66 / 10MHz

Middle Channel / QPSK



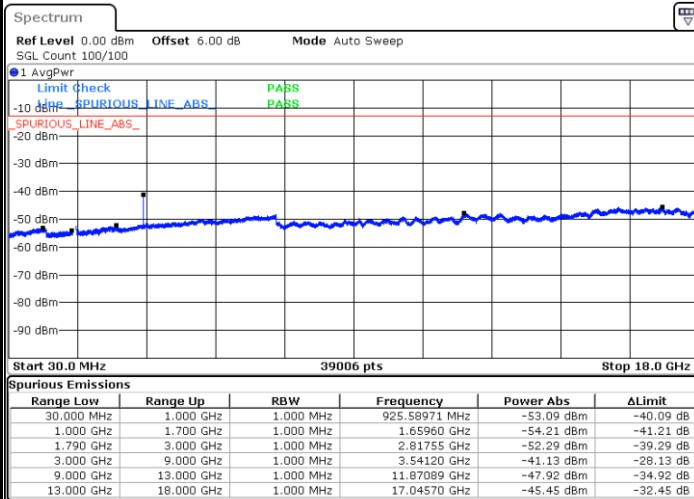
Date: 15 NOV 2020 22:11:12

Middle Channel / 16QAM



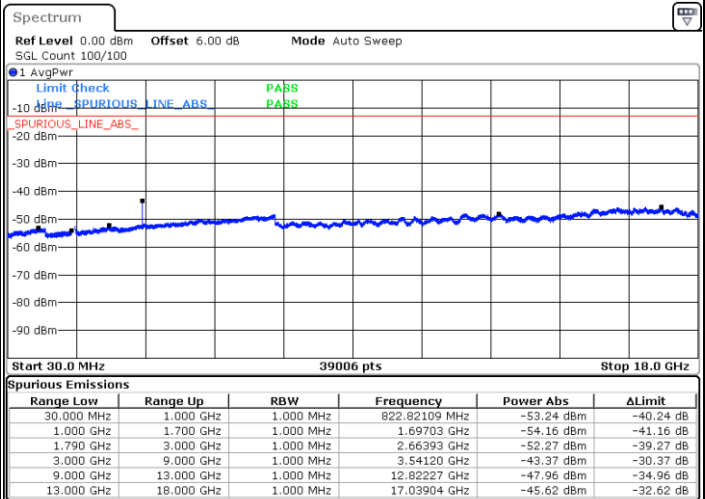
Date: 15 NOV 2020 22:11:50

Highest Channel / QPSK



Date: 15 NOV 2020 22:15:39

Highest Channel / 16QAM

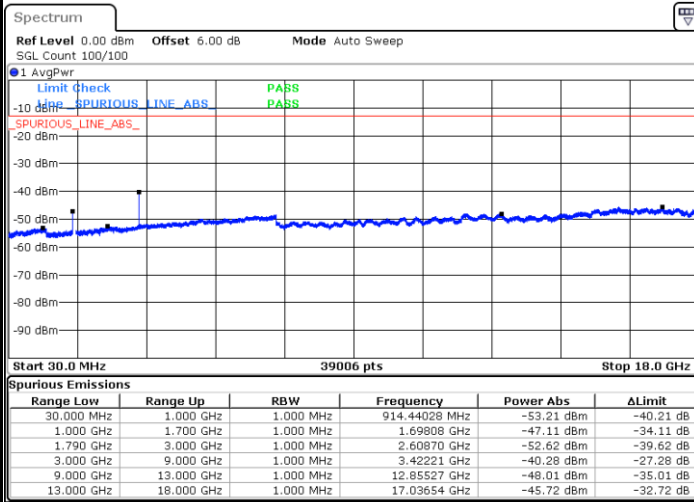


Date: 15 NOV 2020 22:16:23



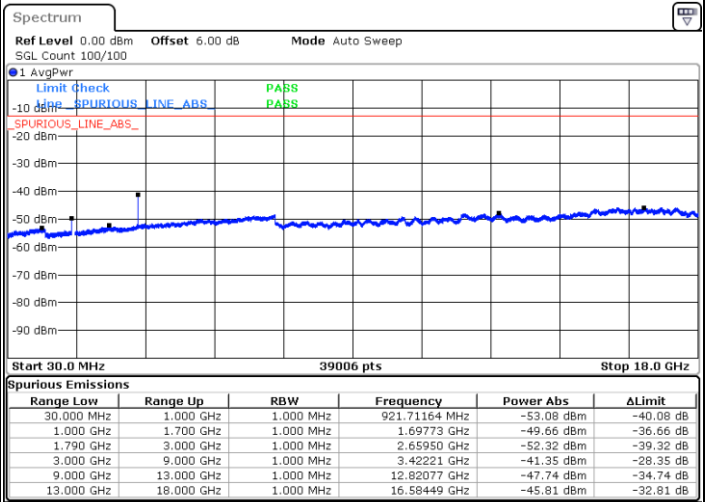
LTE Band 66 / 15MHz

Lowest Channel / QPSK



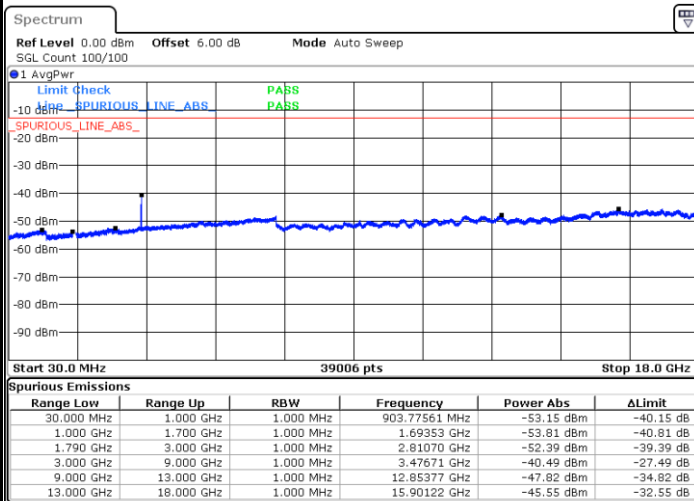
Date: 15 NOV 2020 22:20:33

Lowest Channel / 16QAM



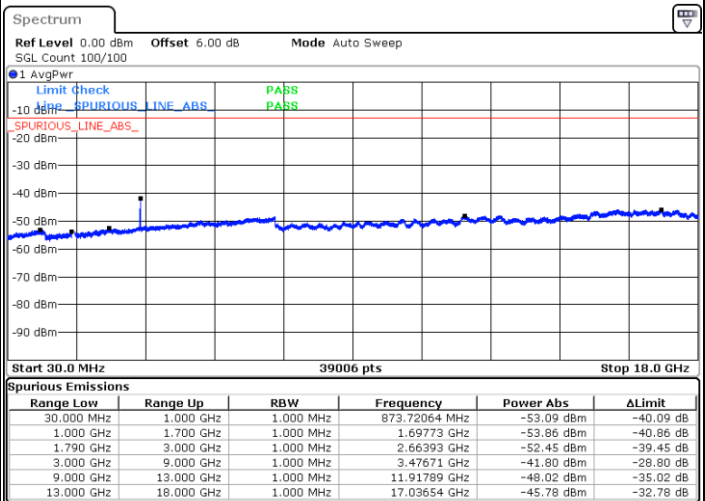
Date: 15 NOV 2020 22:21:19

Middle Channel / QPSK



Date: 15 NOV 2020 22:23:36

Middle Channel / 16QAM

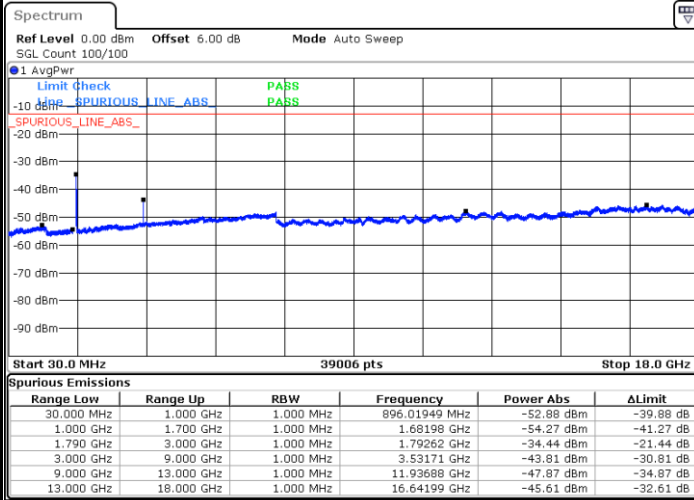


Date: 15 NOV 2020 22:24:13



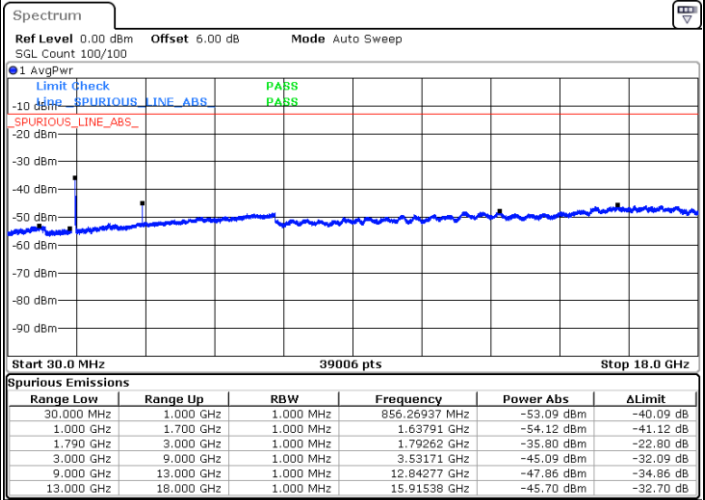
LTE Band 66 / 15MHz

Highest Channel / QPSK



Date: 15 NOV 2020 22:28:04

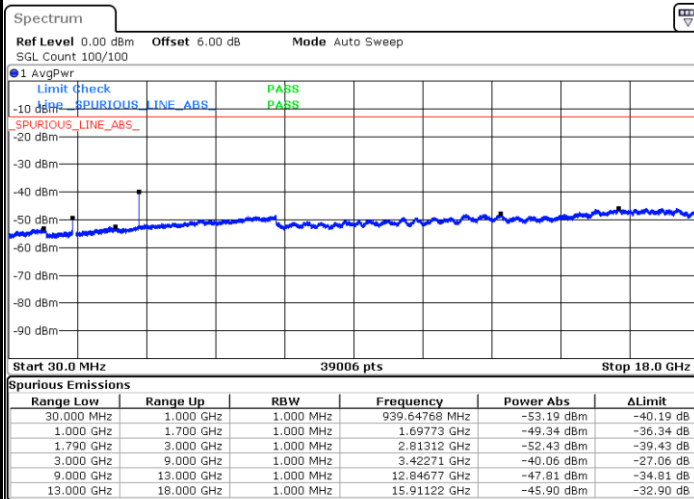
Highest Channel / 16QAM



Date: 15 NOV 2020 22:29:15

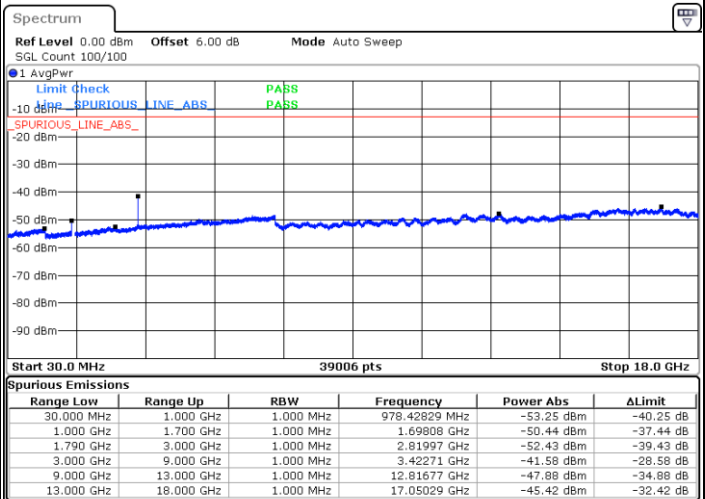
LTE Band 66 / 20MHz

Lowest Channel / QPSK



Date: 15 NOV 2020 22:33:46

Lowest Channel / 16QAM

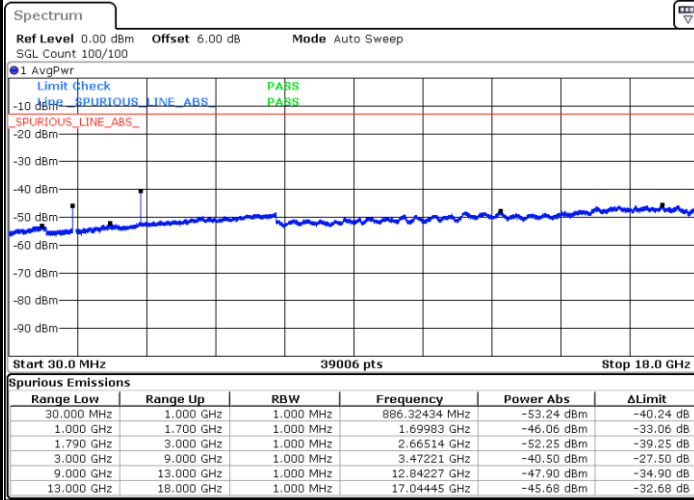


Date: 15 NOV 2020 22:35:11



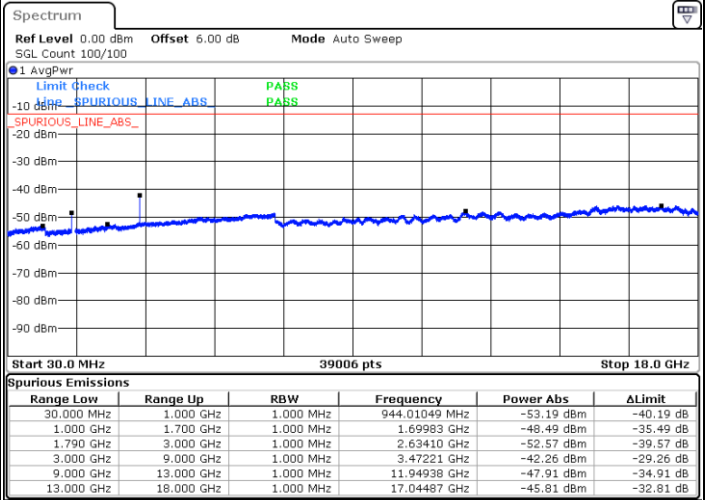
LTE Band 66 / 20MHz

Middle Channel / QPSK



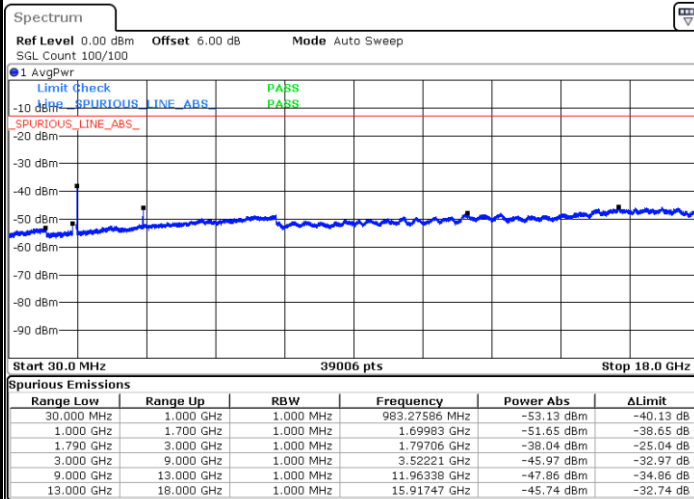
Date: 15 NOV 2020 22:38:15

Middle Channel / 16QAM



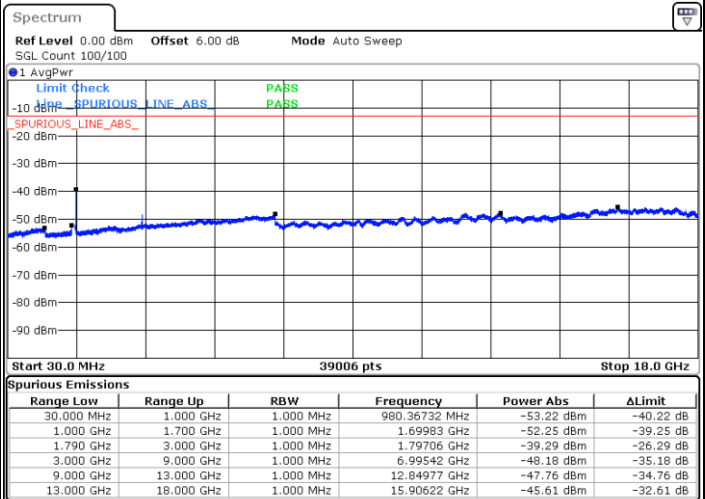
Date: 15 NOV 2020 22:38:58

Highest Channel / QPSK



Date: 15 NOV 2020 22:42:27

Highest Channel / 16QAM

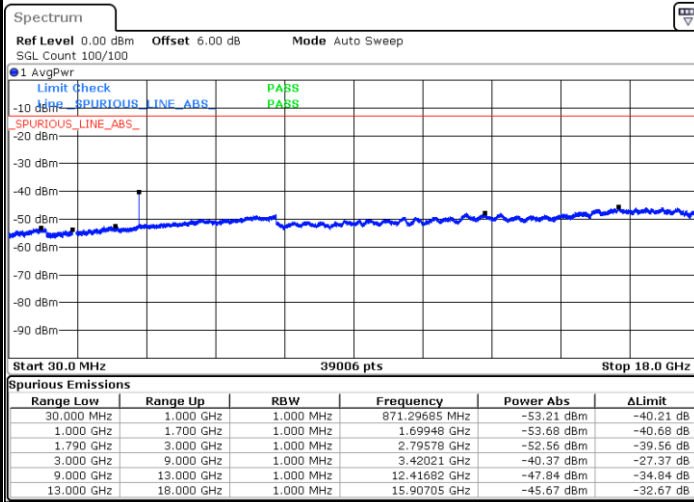


Date: 15 NOV 2020 22:43:48



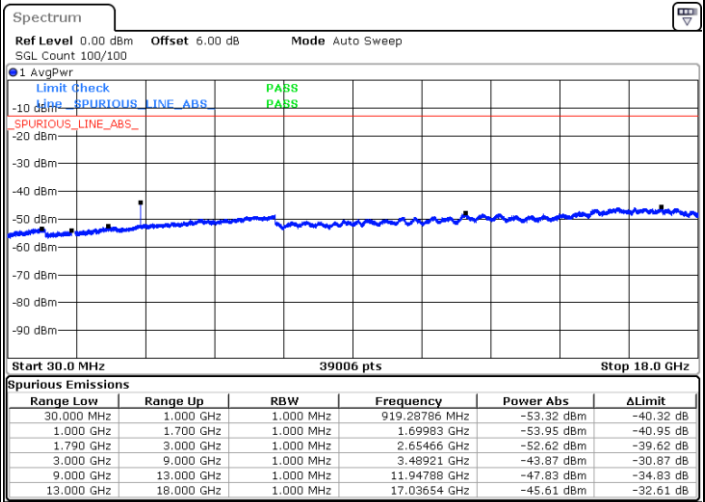
LTE Band 66 / 1.4MHz

Lowest Channel / 64QAM



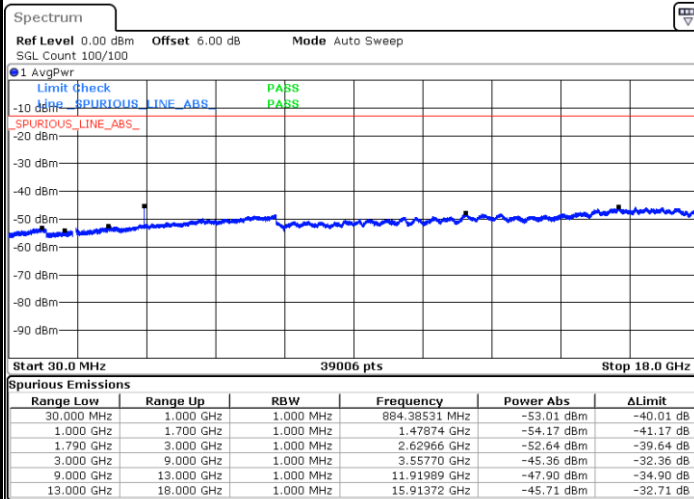
Date: 15 NOV 2020 21:05:24

Middle Channel / 64QAM



Date: 15 NOV 2020 21:09:57

Highest Channel / 64QAM

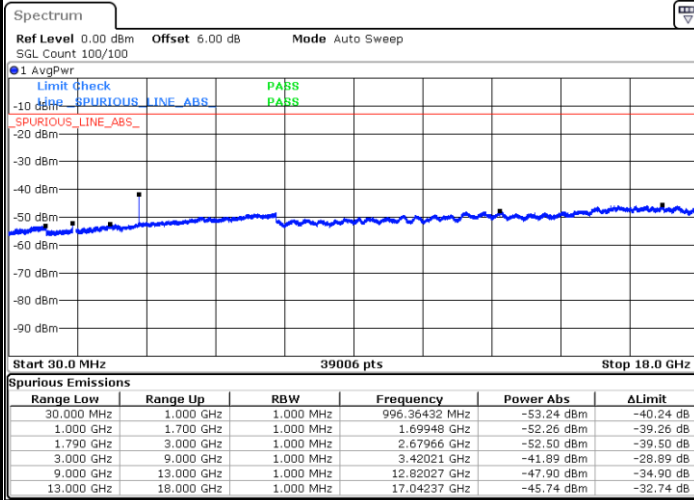


Date: 15 NOV 2020 21:19:39



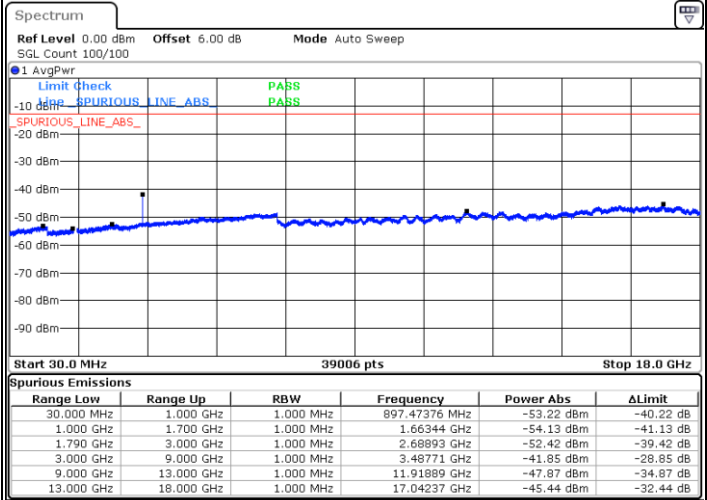
LTE Band 66 / 3MHz

Lowest Channel / 64QAM



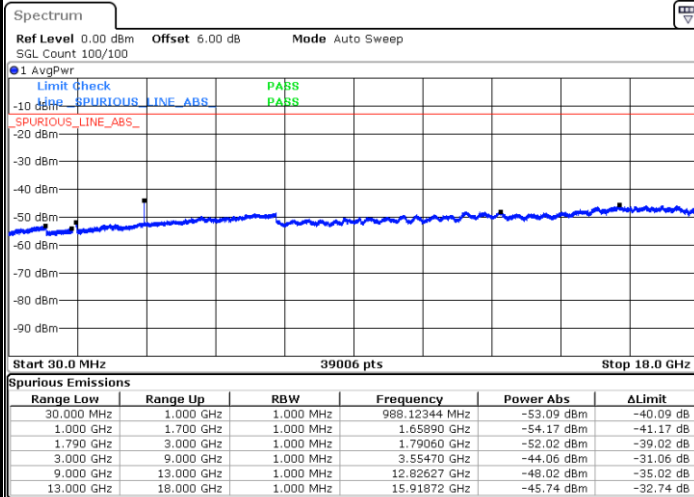
Date: 15 NOV 2020 21:27:30

Middle Channel / 64QAM



Date: 15 NOV 2020 21:30:35

Highest Channel / 64QAM

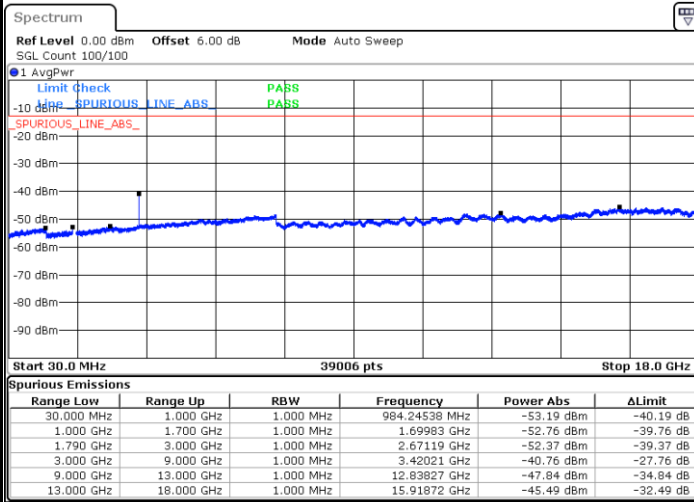


Date: 15 NOV 2020 21:38:26



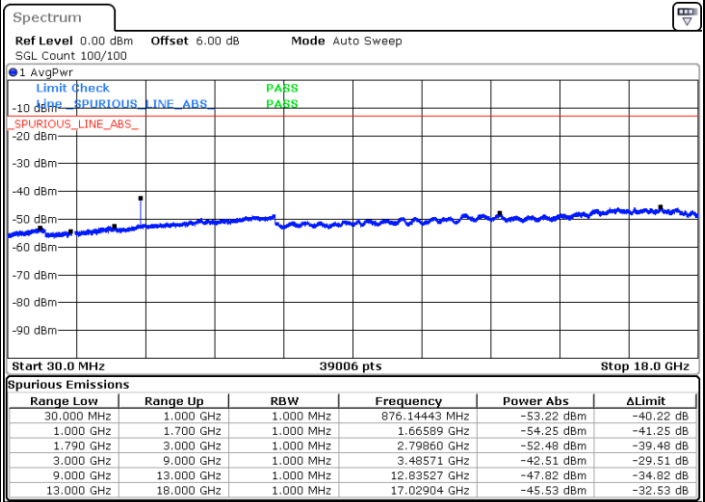
LTE Band 66 / 5MHz

Lowest Channel / 64QAM



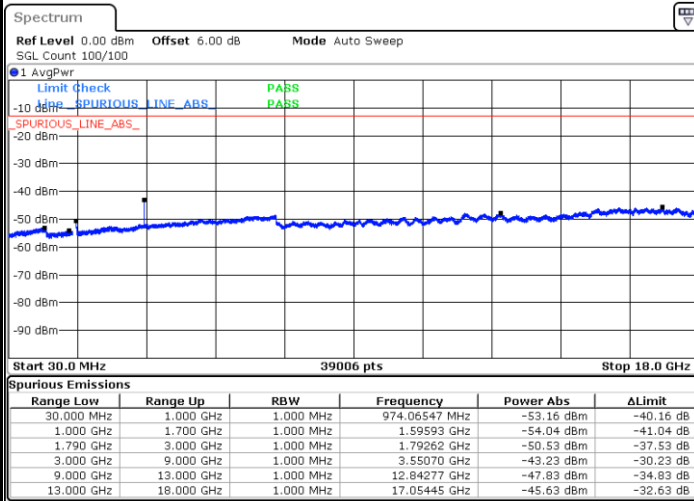
Date: 15 NOV 2020 21:43:34

Middle Channel / 64QAM



Date: 15 NOV 2020 21:47:58

Highest Channel / 64QAM

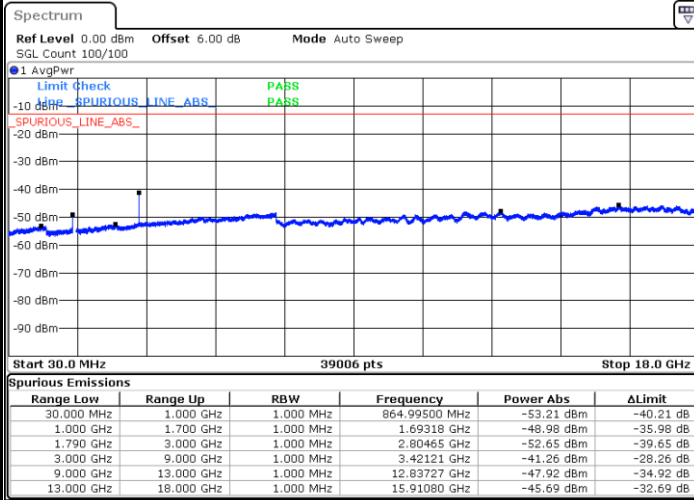


Date: 15 NOV 2020 21:54:38



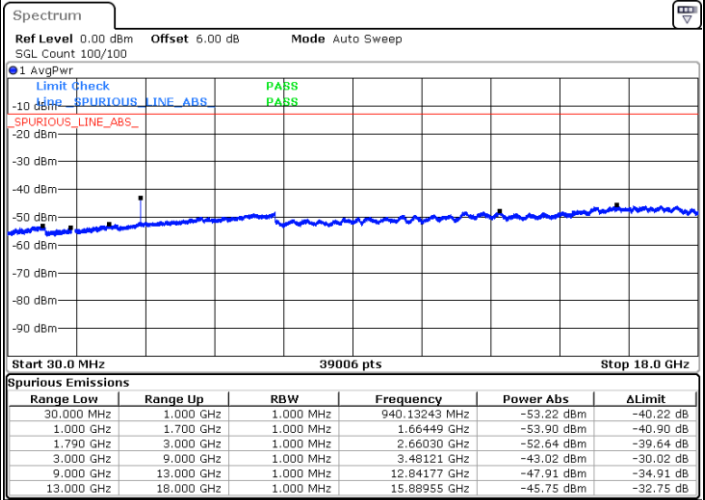
LTE Band 66 / 10MHz

Lowest Channel / 64QAM



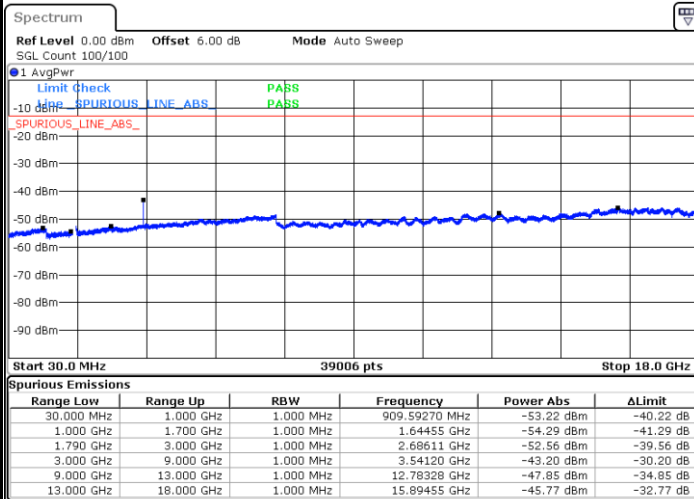
Date: 15.NOV.2020 22:08:14

Middle Channel / 64QAM



Date: 15.NOV.2020 22:12:31

Highest Channel / 64QAM

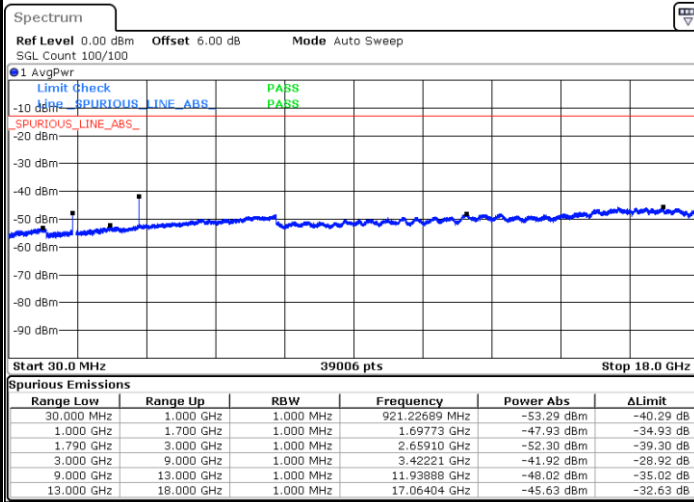


Date: 15.NOV.2020 22:18:01



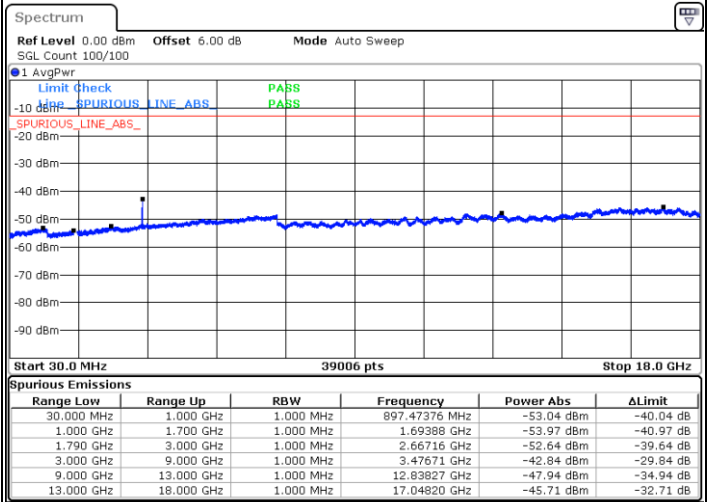
LTE Band 66 / 15MHz

Lowest Channel / 64QAM



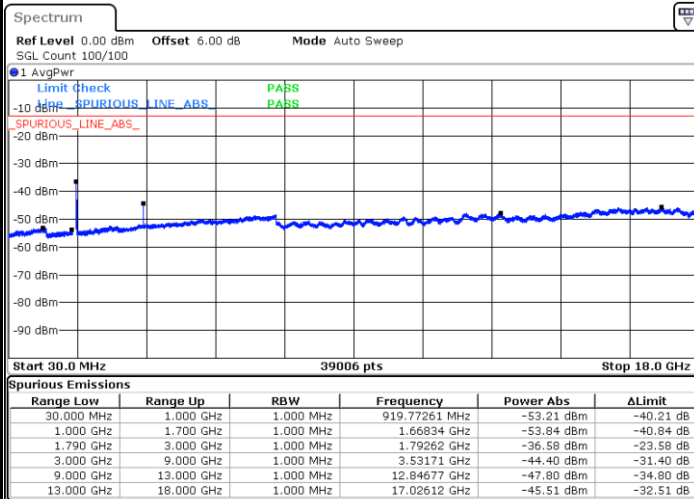
Date: 15 NOV 2020 22:22:04

Middle Channel / 64QAM



Date: 15 NOV 2020 22:24:51

Highest Channel / 64QAM

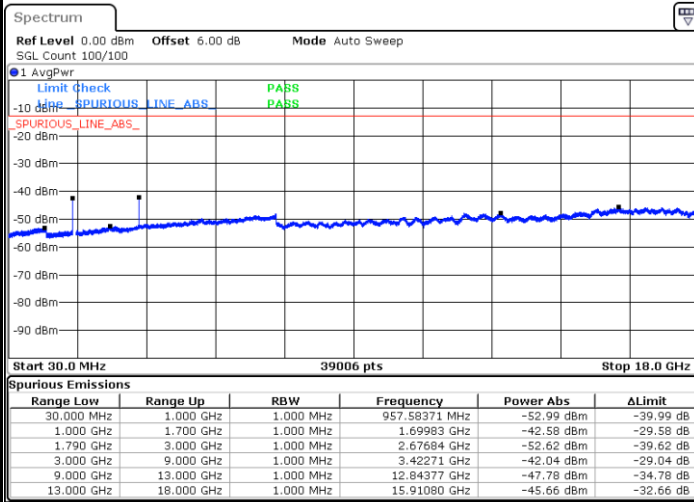


Date: 15 NOV 2020 22:29:52



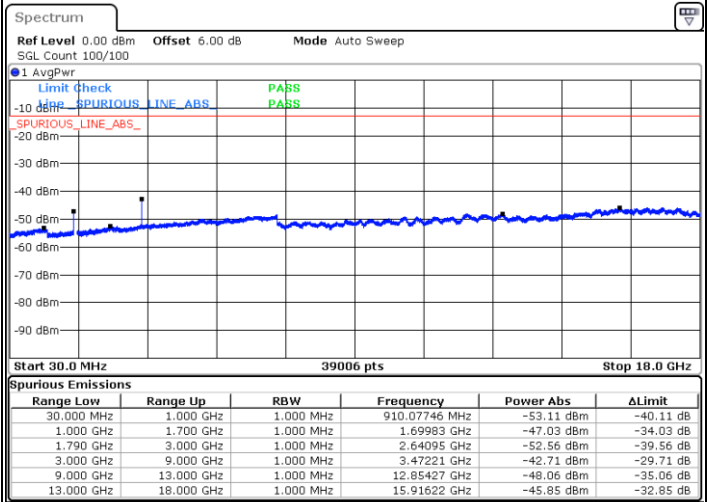
LTE Band 66 / 20MHz

Lowest Channel / 64QAM



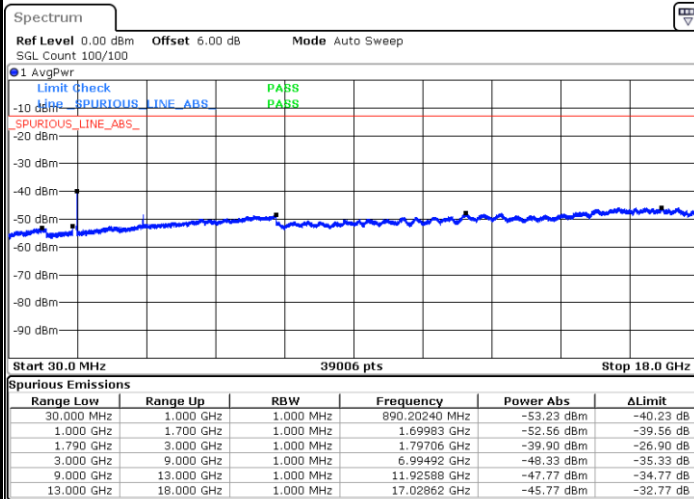
Date: 15 NOV 2020 22:36:05

Middle Channel / 64QAM



Date: 15 NOV 2020 22:39:45

Highest Channel / 64QAM



Date: 15 NOV 2020 22:44:32

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	0.0013	PASS
40	Normal Voltage	0.0010	
30	Normal Voltage	0.0006	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0025	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0005	
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

For Sample 1:

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	-56.87	-13	-43.87	-69.13	2.64	14.90	H
	5613	-54.24	-13	-41.24	-66.10	2.94	14.80	H
	7488	-52.58	-13	-39.58	-62.35	3.39	13.16	H
	3741	-56.81	-13	-43.81	-69.07	2.64	14.90	V
	5613	-55.44	-13	-42.44	-67.30	2.94	14.80	V
	7488	-52.70	-13	-39.70	-62.47	3.39	13.16	V

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

LTE Band 5 / 10MHz / 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	1664	-65.39	-13	-52.39	-72.36	1.58	10.70	H
	2496	-58.96	-13	-45.96	-67.21	2.102	12.50	H
	3330	-60.28	-13	-47.28	-69.17	2.856	13.90	H
	1664	-64.81	-13	-51.81	-71.78	1.58	10.70	V
	2496	-58.54	-13	-45.54	-66.79	2.10	12.50	V
	3330	-60.50	-13	-47.50	-69.39	2.86	13.90	V

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

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	5052	-52.76	-25	-27.76	-62.97	3.03	13.24	H
	7576	-54.70	-25	-29.70	-64.15	3.56	13.01	H
	10100	-58.62	-25	-33.62	-68.14	3.92	13.44	H
	5052	-52.48	-25	-27.48	-62.69	3.03	13.24	V
	7576	-55.72	-25	-30.72	-65.17	3.56	13.01	V
	10100	-59.03	-25	-34.03	-68.55	3.92	13.44	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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	3471	-57.71	-13	-44.71	-68.45	2.604	13.34	H
	5208	-54.78	-13	-41.78	-65.29	3.011	13.52	H
	6948	-54.00	-13	-41.00	-64.20	3.271	13.47	H
	3471	-57.62	-13	-44.62	-68.36	2.604	13.34	V
	5208	-54.56	-13	-41.56	-65.07	3.011	13.52	V
	6948	-53.91	-13	-40.91	-64.11	3.271	13.47	V

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

For Sample 3:

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	5052	-30.43	-25	-5.43	-40.64	3.03	13.24	H
	7576	-31.01	-25	-6.01	-40.46	3.56	13.01	H
	10100	-47.03	-25	-22.03	-56.55	3.92	13.44	H
	12630	-49.65	-25	-24.65	-59.57	4.44	14.36	H
	5052	-32.72	-25	-7.72	-42.93	3.03	13.24	V
	7580	-35.15	-25	-10.15	-44.60	3.56	13.01	V
	10100	-48.75	-25	-23.75	-58.27	3.92	13.44	V
	12630	-52.55	-25	-27.55	-62.47	4.44	14.36	V

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