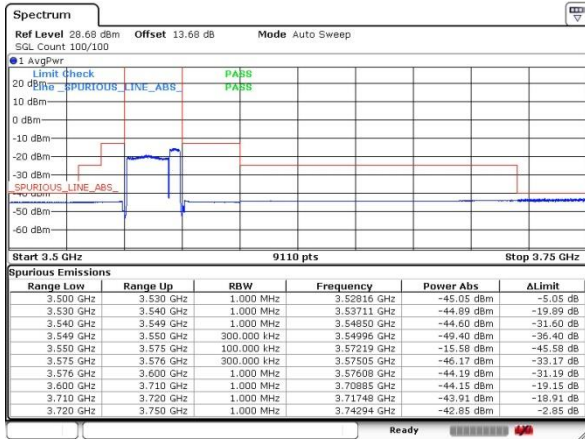




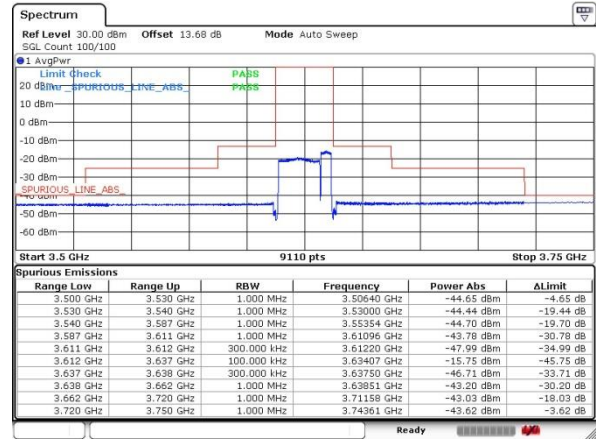
LTE Band 48C/ 20MHz+5MHz

64QAM

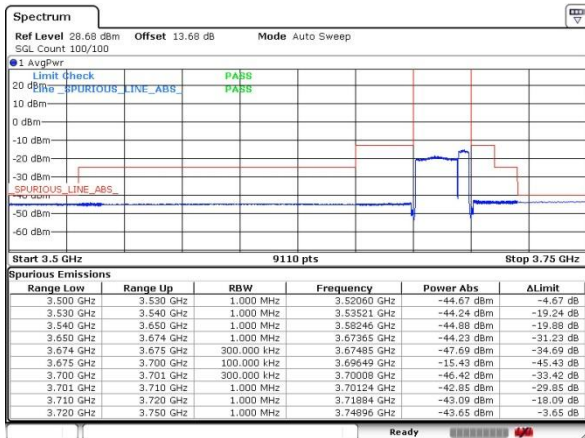
Lowest Band Edge / Full RB



Middle Band Edge / Full RB



Highest Band Edge / Full RB



N/A

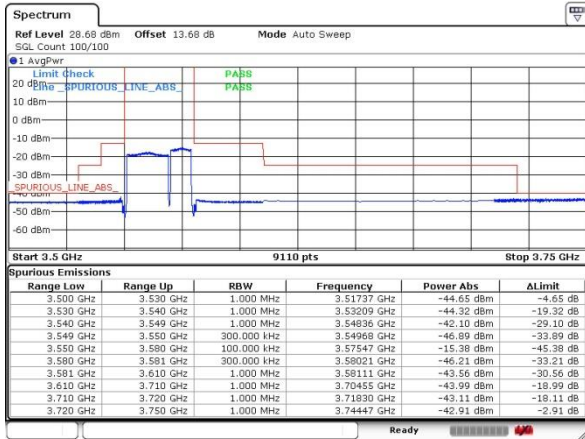
Blank



LTE Band 48C / 20MHz+10MHz

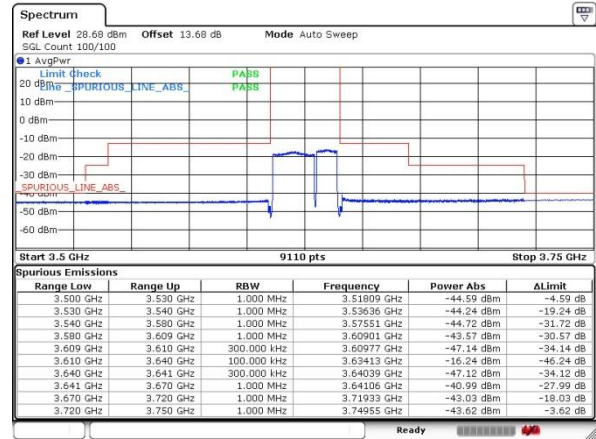
64QAM

Lowest Band Edge / Full RB



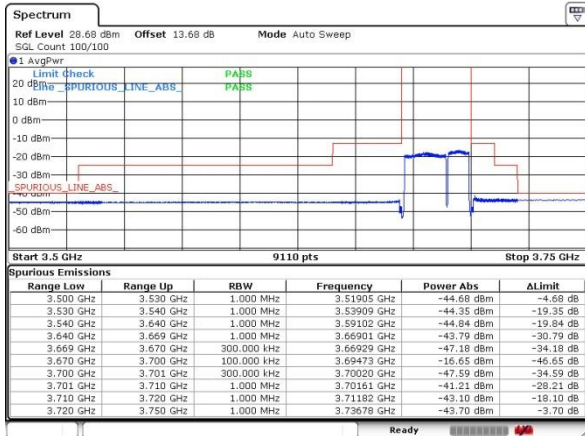
Date: 22.OCT.2021 22:01:34

Middle Band Edge / Full RB



Date: 22.OCT.2021 22:08:25

Highest Band Edge / Full RB



Date: 22.OCT.2021 22:17:30

N/A

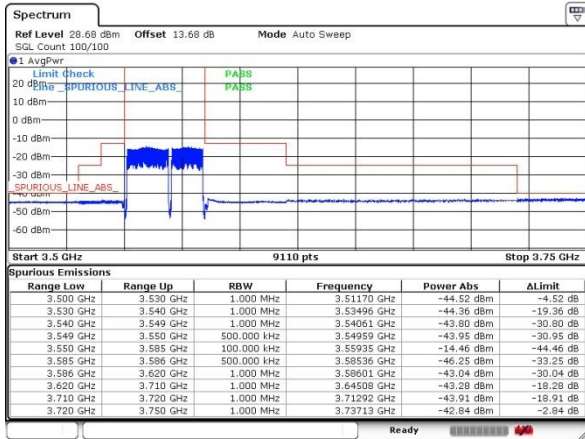
Blank



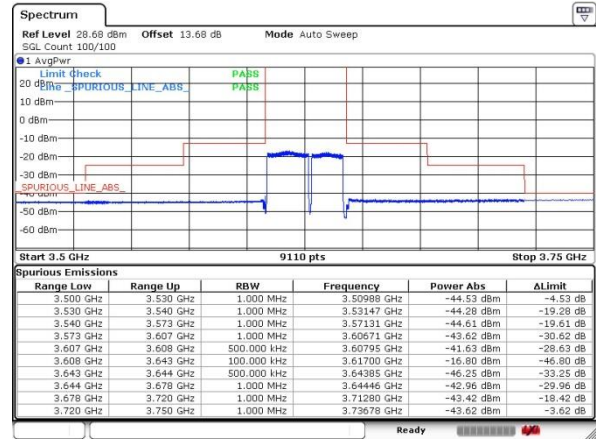
LTE Band 48C / 20MHz+15MHz

64QAM

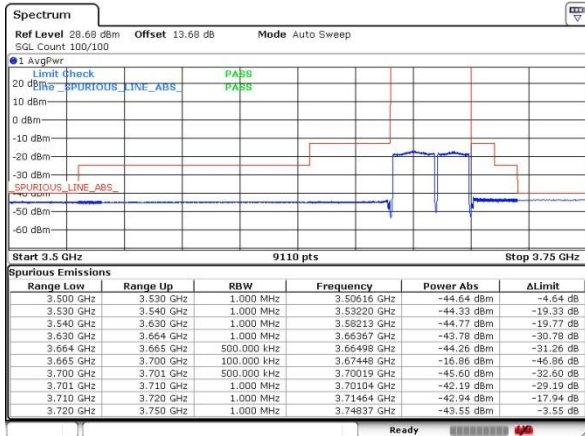
Lowest Band Edge / Full RB



Middle Band Edge / Full RB



Highest Band Edge / Full RB



N/A

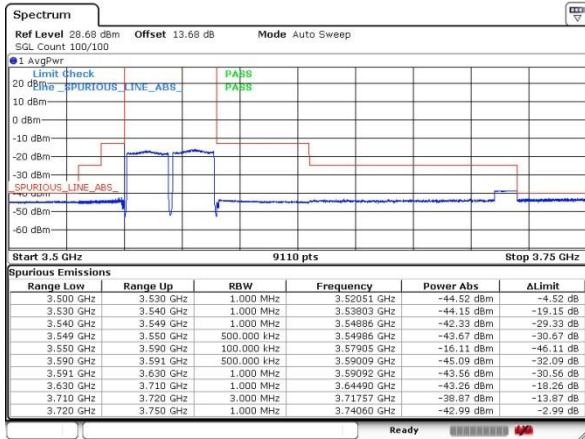
Blank



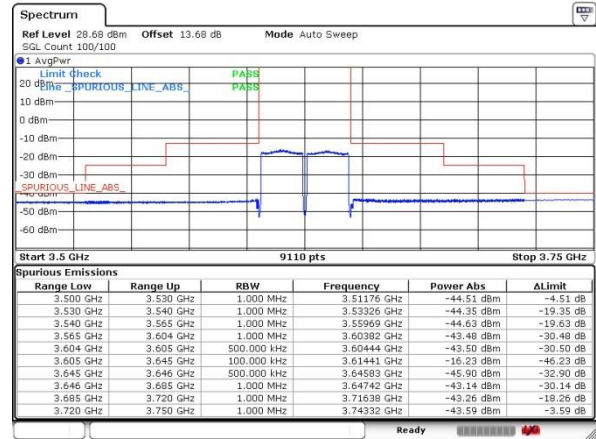
LTE Band 48C / 20MHz+20MHz

64QAM

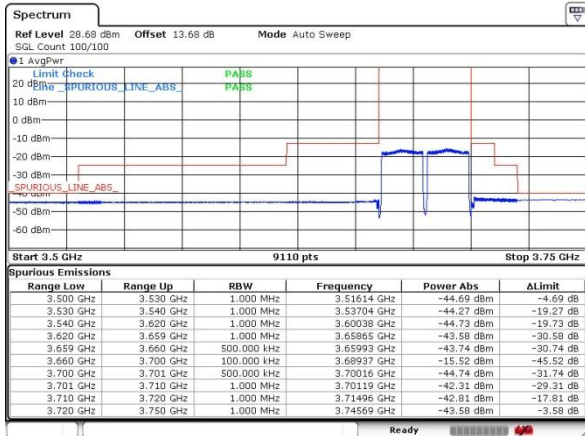
Lowest Band Edge / Full RB



Middle Band Edge / Full RB



Highest Band Edge / Full RB



N/A

Blank

Conducted Spurious Emission



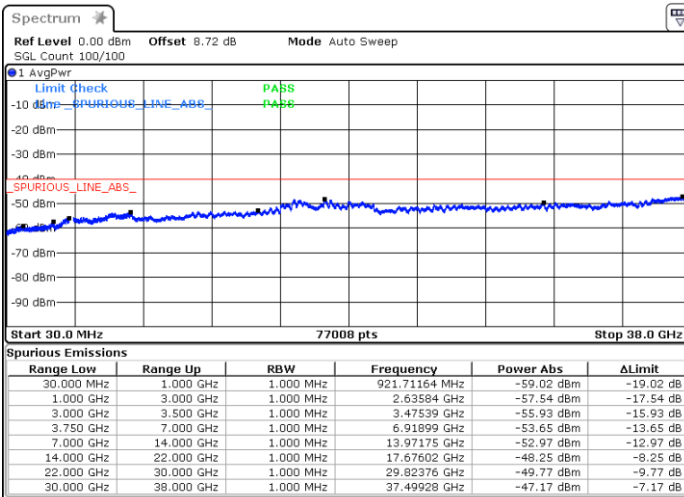


LTE Band 48 / 10MHz

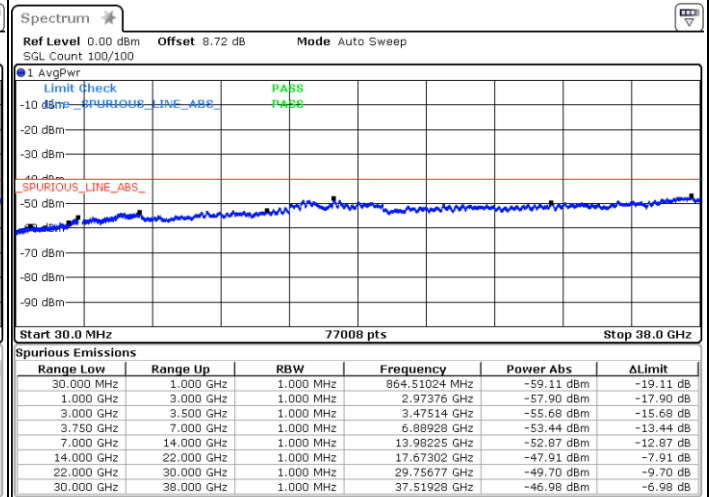
QPSK / 1RB0

Lowest Channel

Middle Channel

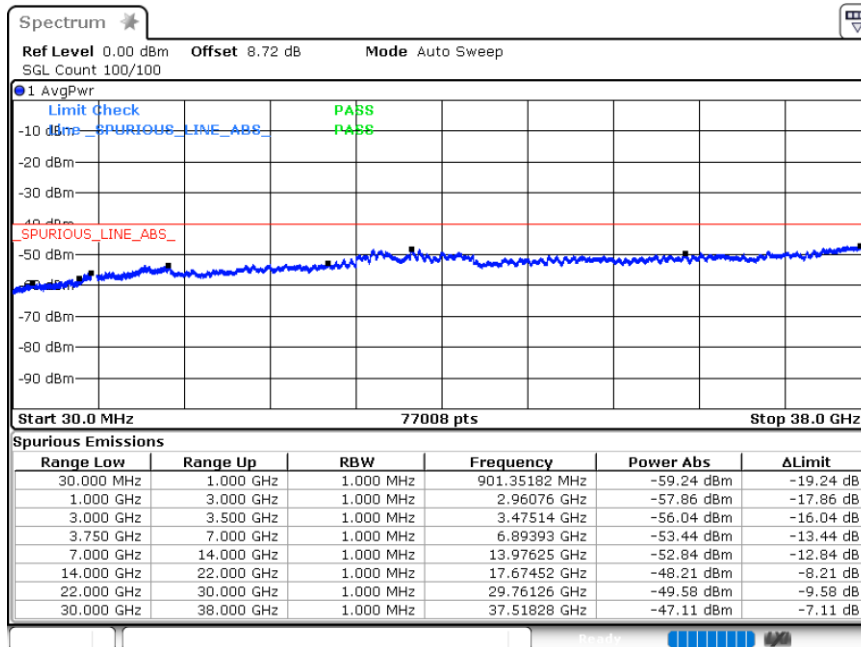


Date: 23.SEP.2021 18:57:46



Date: 23.SEP.2021 19:57:36

Highest Channel



Date: 23.SEP.2021 20:48:39

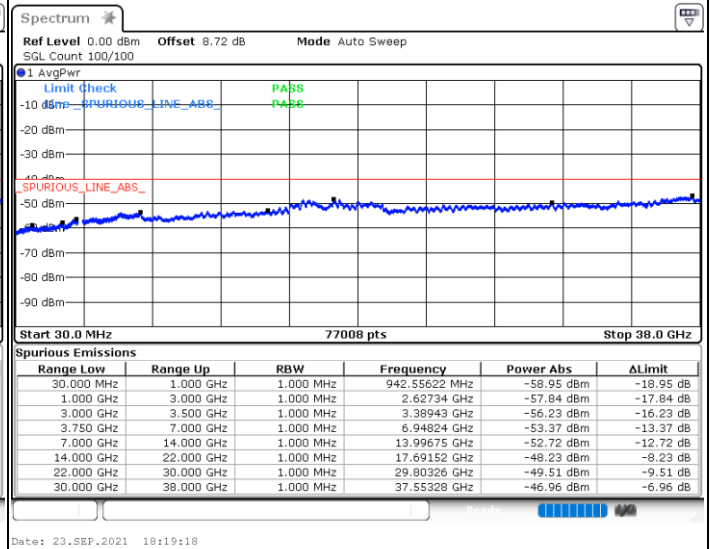
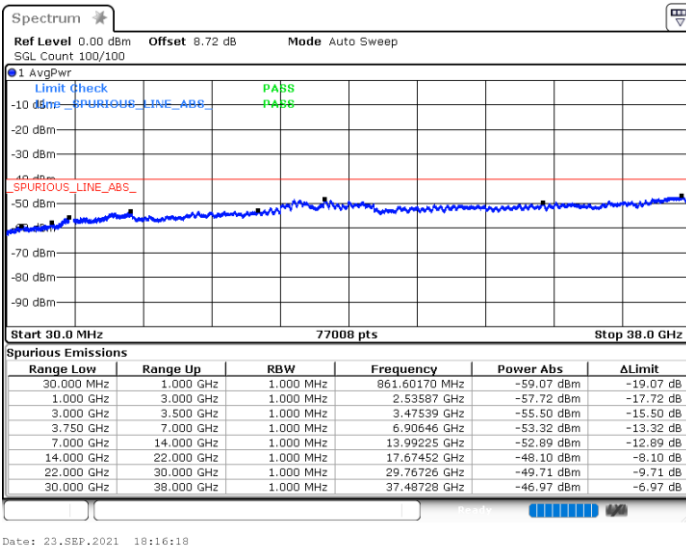


LTE Band 48 / 15MHz

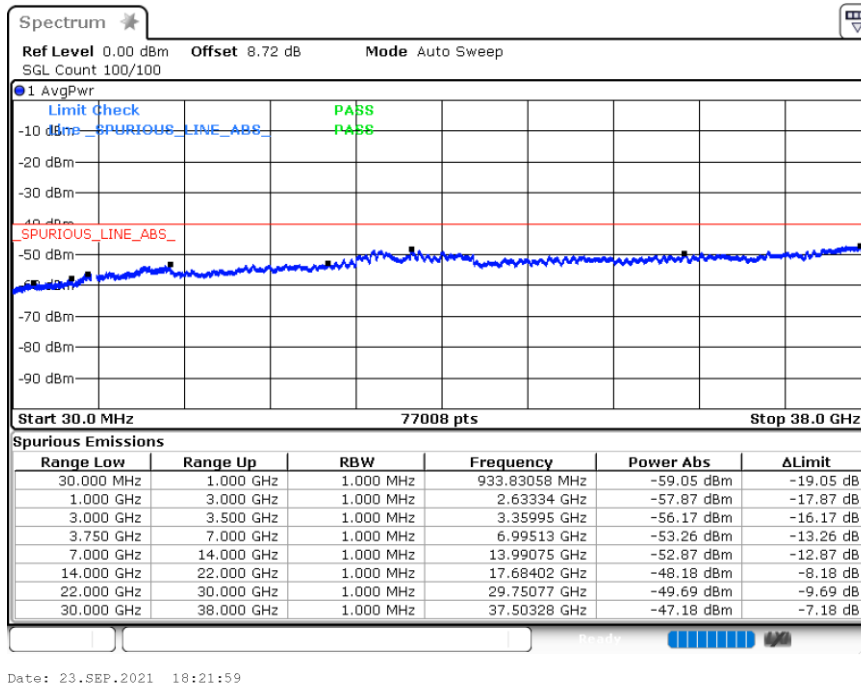
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel



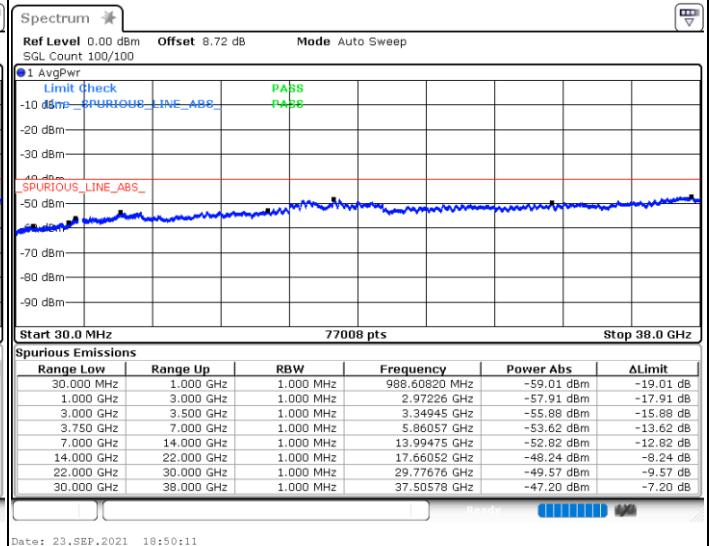
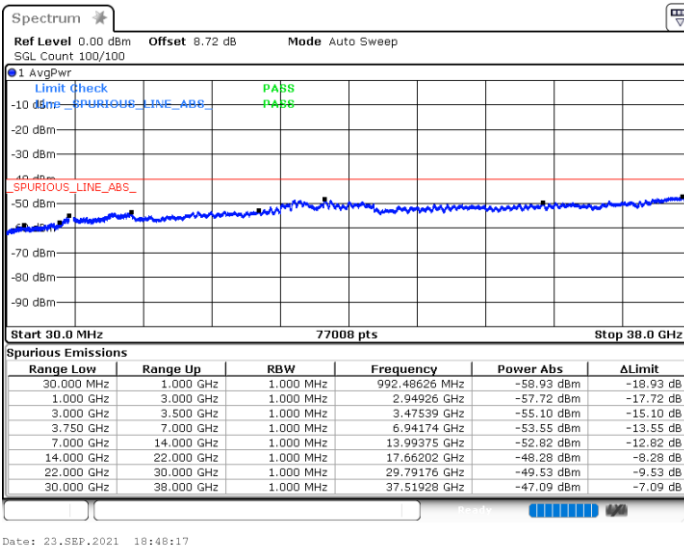


LTE Band 48 / 20MHz

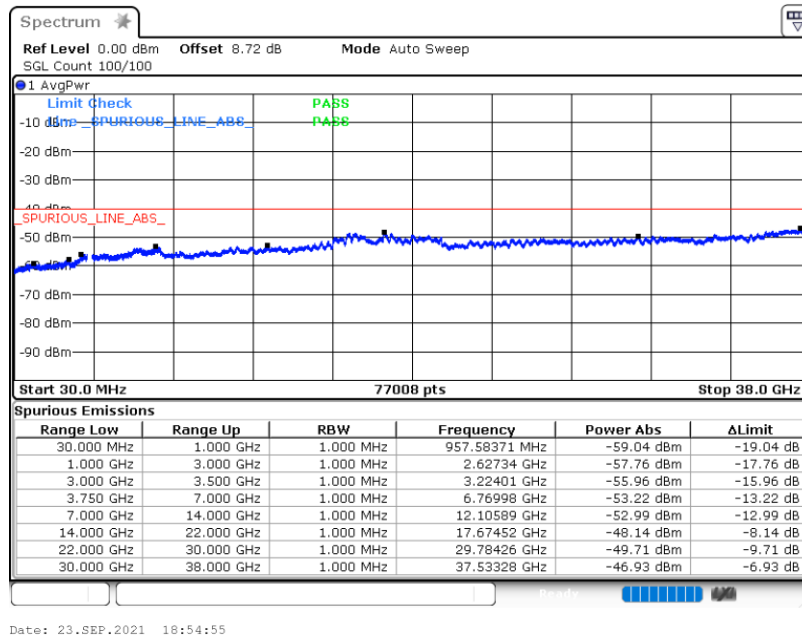
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel



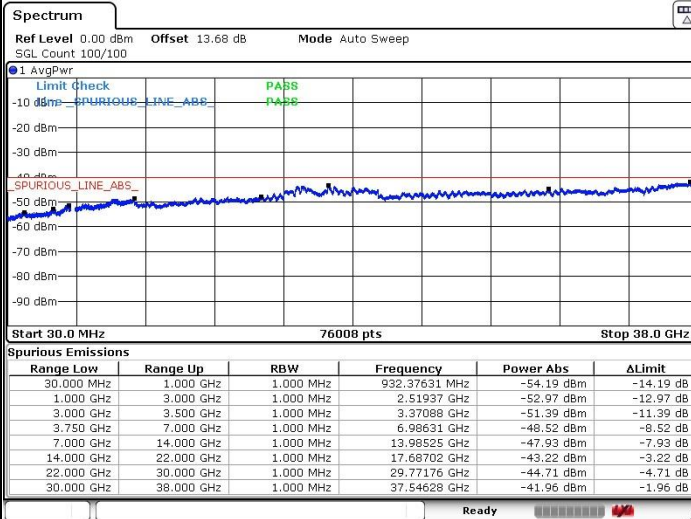


LTE Band 48C / 5MHz+20MHz

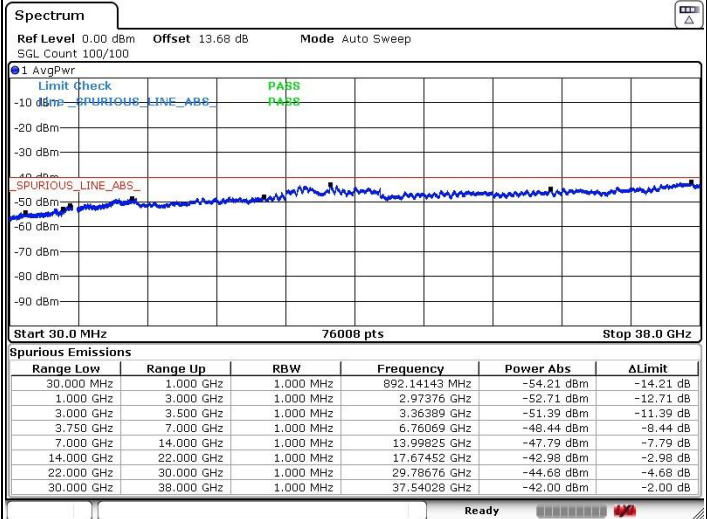
QPSK

Lowest Channel / 1RB24 and 1RB0

Middle Channel / 1RB24 and 1RB0

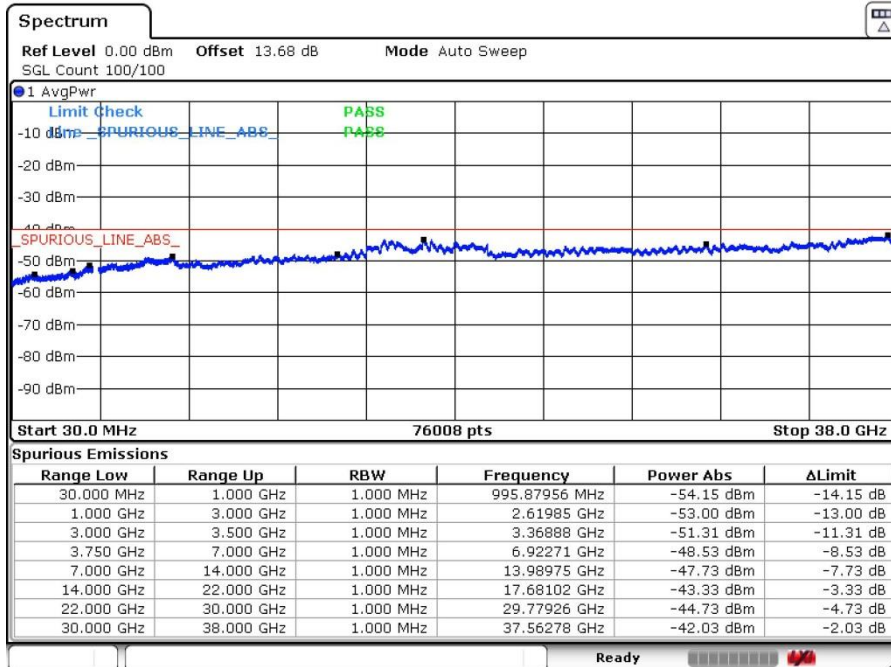


Date: 24.SEP.2021 20:35:32



Date: 24.SEP.2021 20:40:52

Highest Channel / 1RB24 and 1RB0



Date: 24.SEP.2021 20:39:23

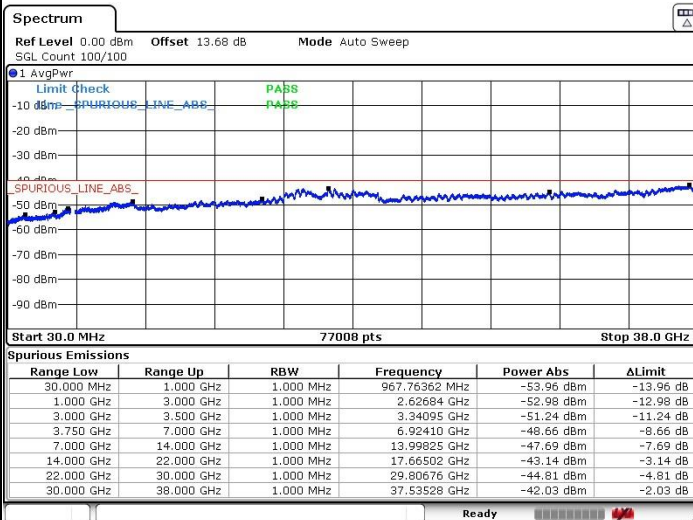


LTE Band 48C / 10MHz+20MHz

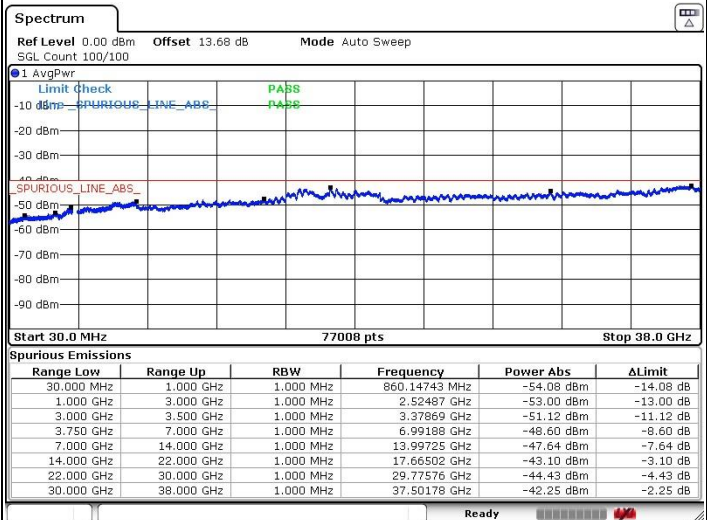
QPSK

Lowest Channel / 1RB49 and 1RB0

Middle Channel / 1RB49 and 1RB0

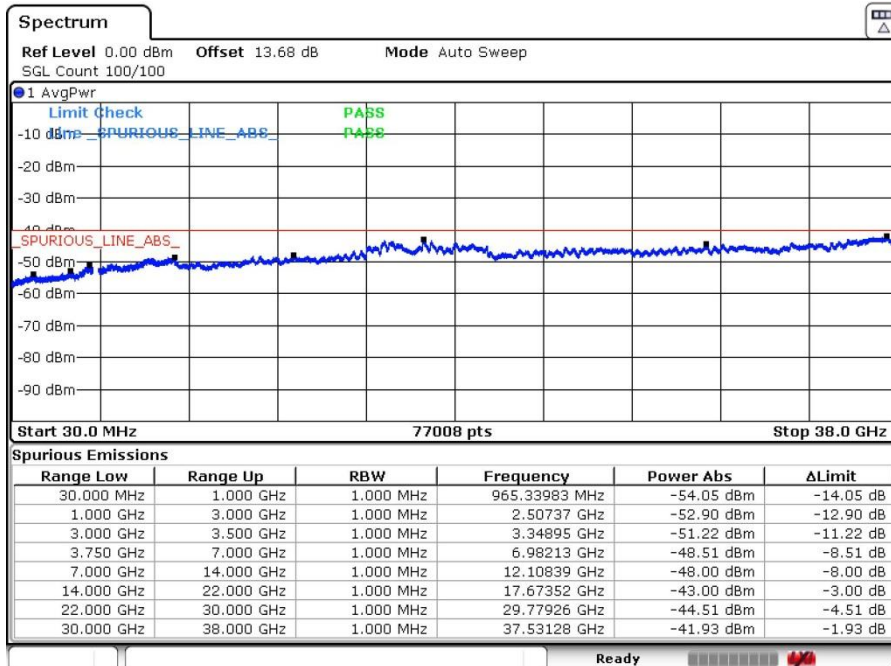


Date: 24.SEP.2021 22:17:14



Date: 24.SEP.2021 22:15:14

Highest Channel / 1RB49 and 1RB0



Date: 24.SEP.2021 22:11:49

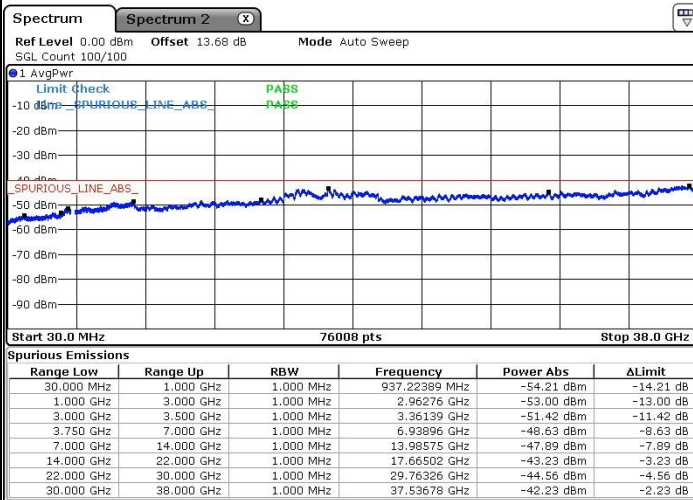


LTE Band 48C / 15MHz+20MHz

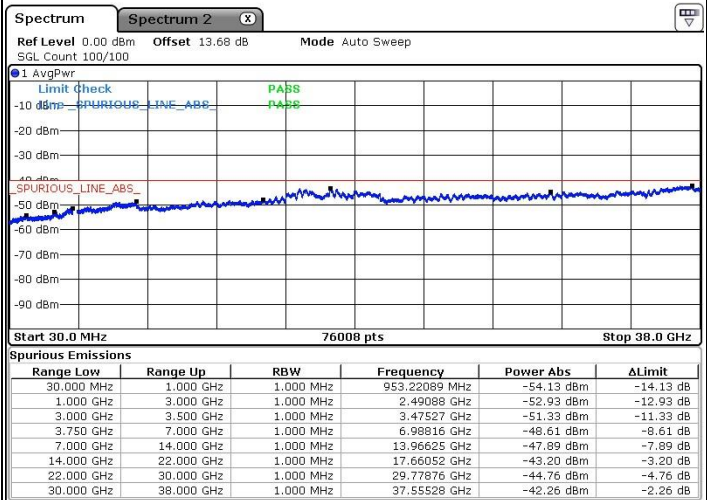
QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0

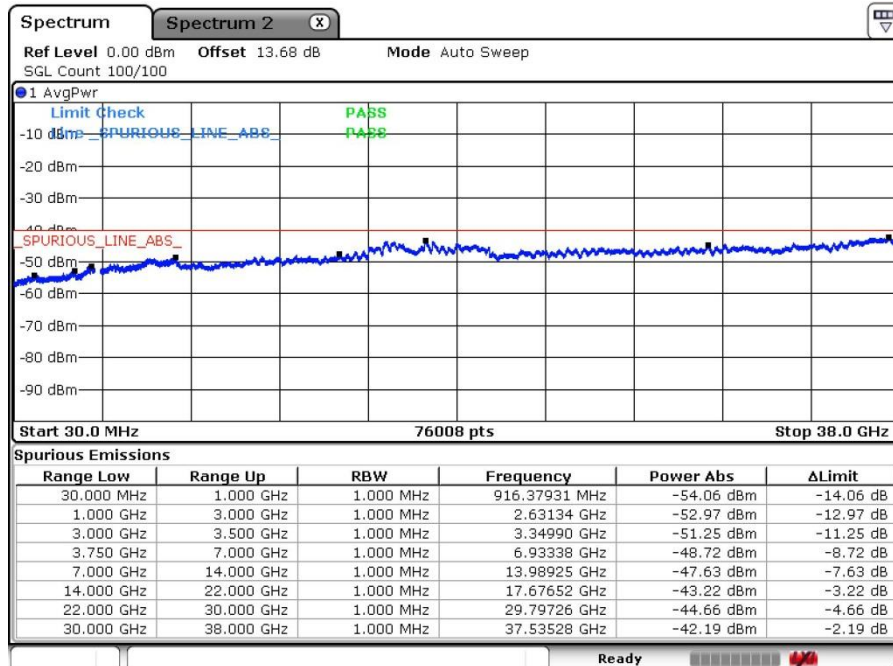


Date: 26.SEP.2021 21:45:29



Date: 26.SEP.2021 21:42:11

Highest Channel / 1RB74 and 1RB0



Date: 26.SEP.2021 21:39:23

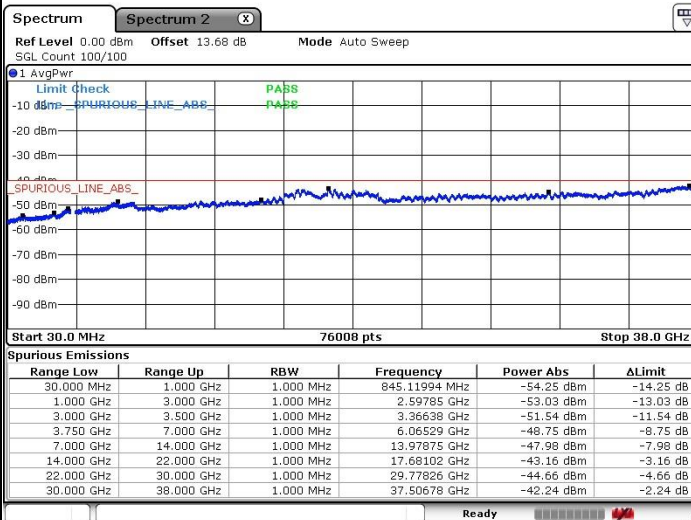


LTE Band 48C / 20MHz+5MHz

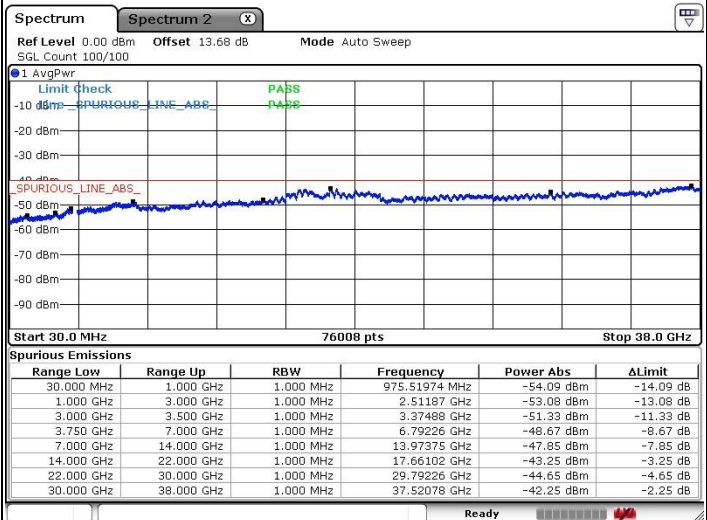
QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0

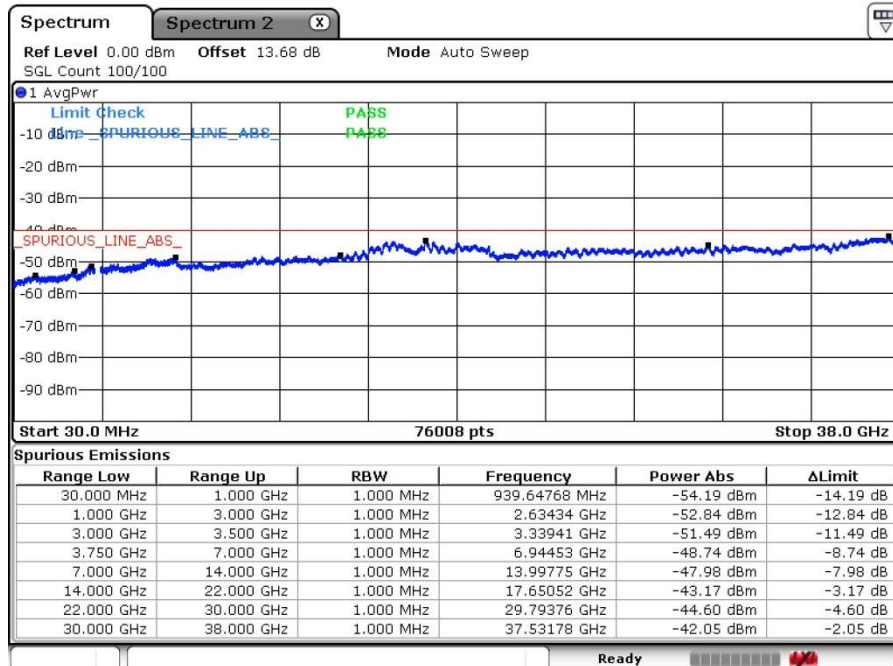


Date: 26.SEP.2021 22:10:51



Date: 26.SEP.2021 22:12:59

Highest Channel / 1RB99 and 1RB0



Date: 26.SEP.2021 22:15:01

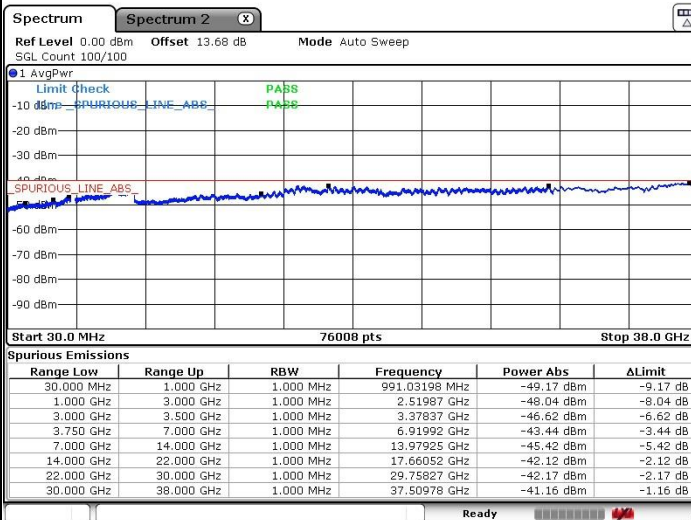


LTE Band 48C / 20MHz+10MHz

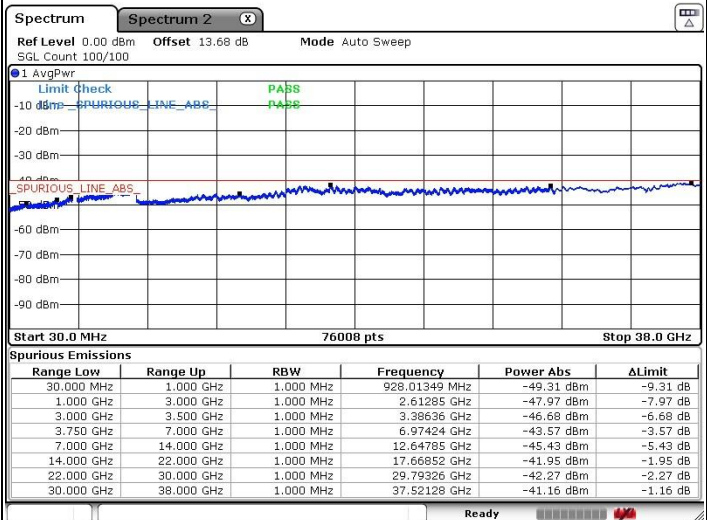
QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0

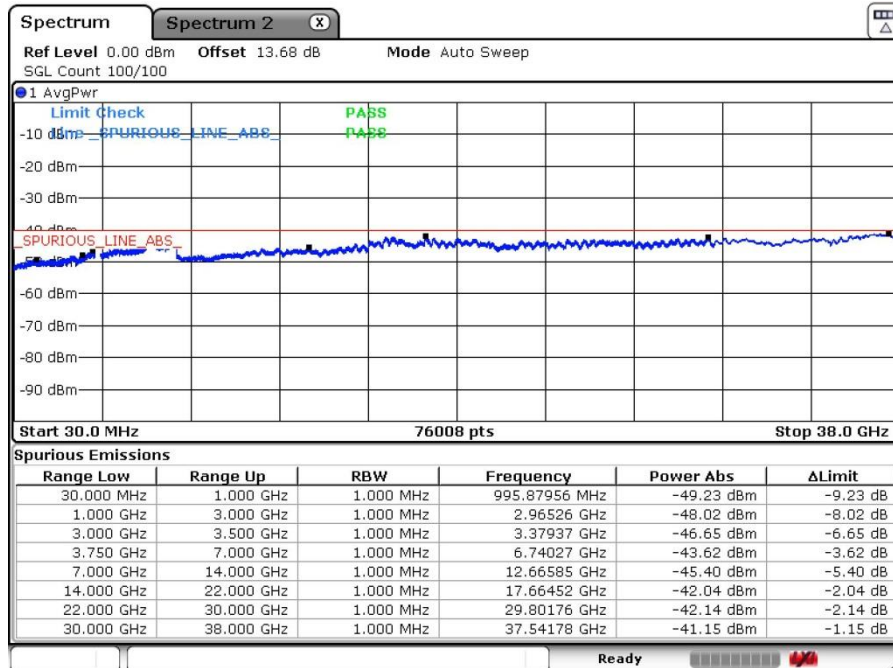


Date: 27.SEP.2021 05:16:33



Date: 27.SEP.2021 05:19:09

Highest Channel / 1RB99 and 1RB0



Date: 27.SEP.2021 05:21:43

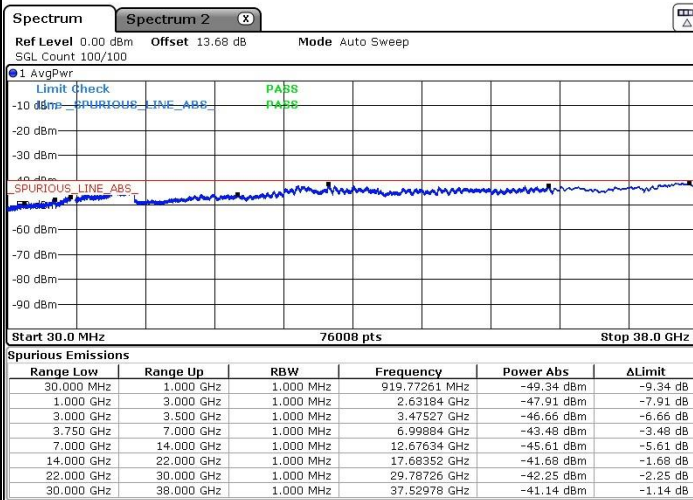


LTE Band 48C / 20MHz+15MHz

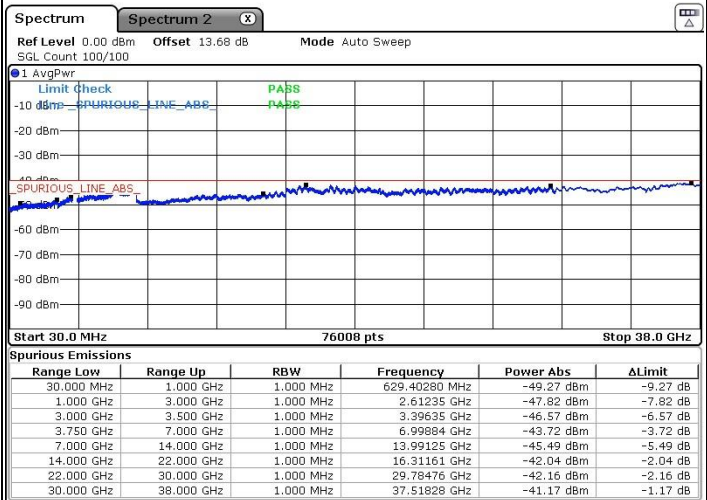
QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0

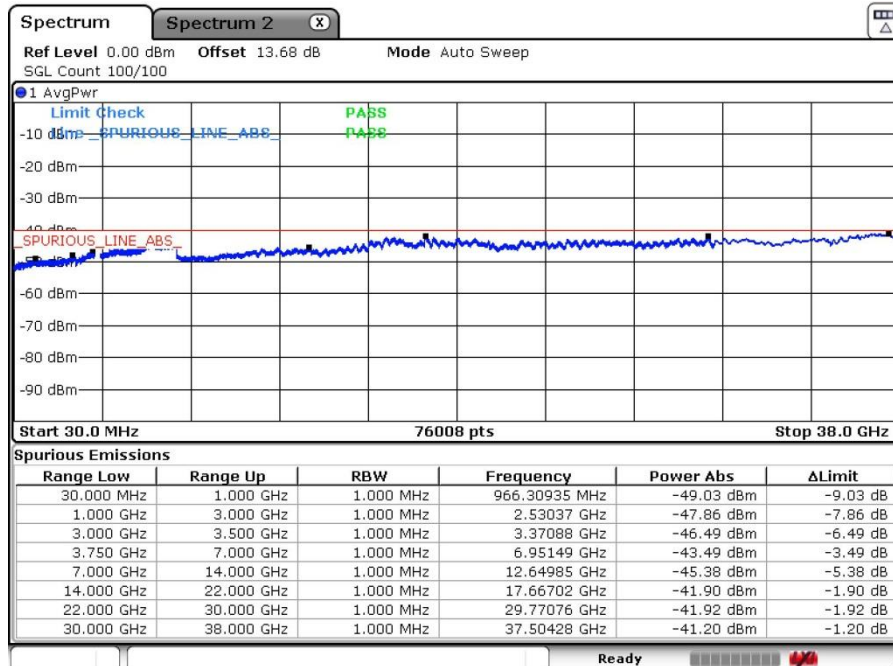


Date: 27.SEP.2021 05:08:04



Date: 27.SEP.2021 05:11:00

Highest Channel / 1RB99 and 1RB0



Date: 27.SEP.2021 05:13:42

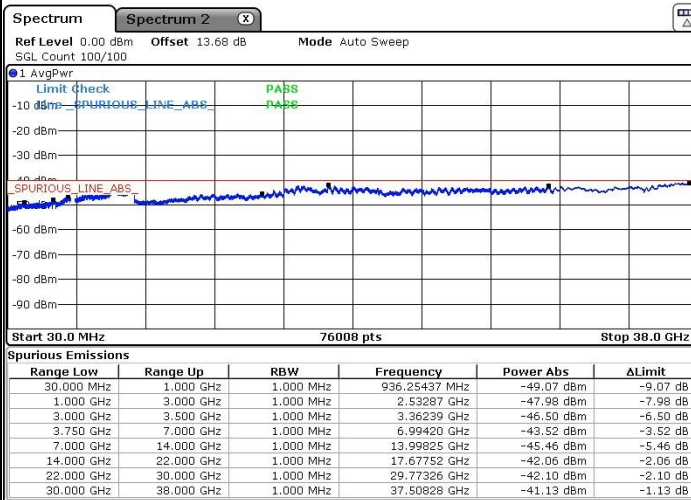


LTE Band 48C / 20MHz+20MHz

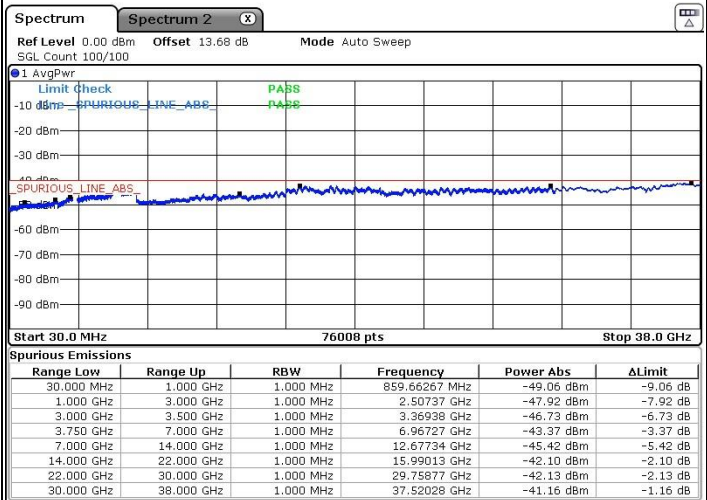
QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0

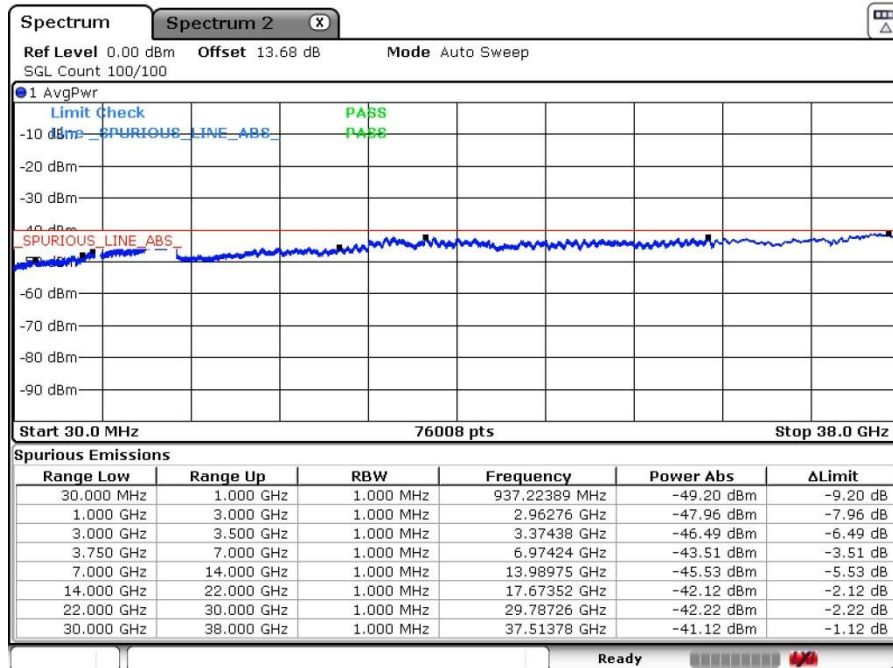


Date: 27.SEP.2021 05:01:49



Date: 27.SEP.2021 04:58:16

Highest Channel / 1RB99 and 1RB0



Date: 27.SEP.2021 05:04:31

Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0023	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0025	
-20	Normal Voltage	0.0019	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0031	
20	Battery End Point	0.0042	

Note:

1. Normal Voltage =220 V. ; Battery End Point (BEP) =90 V. ; Maximum Voltage =240 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Test Conditions		LTE Band 48C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20+20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0028	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0024	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0003	
20	Battery End Point	0.0028	

Note:

1. Normal Voltage =220 V. ; Battery End Point (BEP) =90 V. ; Maximum Voltage =240 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Appendix B. Test Results of Radiated Test

LTE Band 48 / 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	7248	-47.33	-40	-7.33	-58.79	2.84	14.30	H
	10848	-58.57	-40	-18.57	-68.51	3.49	13.43	H
	14466	-59.63	-40	-19.63	-69.87	3.85	14.09	H
	7248	-48.91	-40	-8.91	-60.37	2.84	14.30	V
	10848	-58.91	-40	-18.91	-68.85	3.49	13.43	V
	14466	-60.08	-40	-20.08	-70.32	3.85	14.09	V

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

LTE Band 48C_CA / 20MHz+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	7230	-48.15	-40	-8.15	-59.61	2.84	14.30	H
	10818	-59.14	-40	-19.14	-69.08	3.49	13.43	H
	14424	-59.16	-40	-19.16	-69.40	3.85	14.09	H
	7230	-50.31	-40	-10.31	-61.77	2.84	14.30	V
	10818	-59.10	-40	-19.10	-69.04	3.49	13.43	V
	14424	-59.40	-40	-19.40	-69.64	3.85	14.09	V

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