

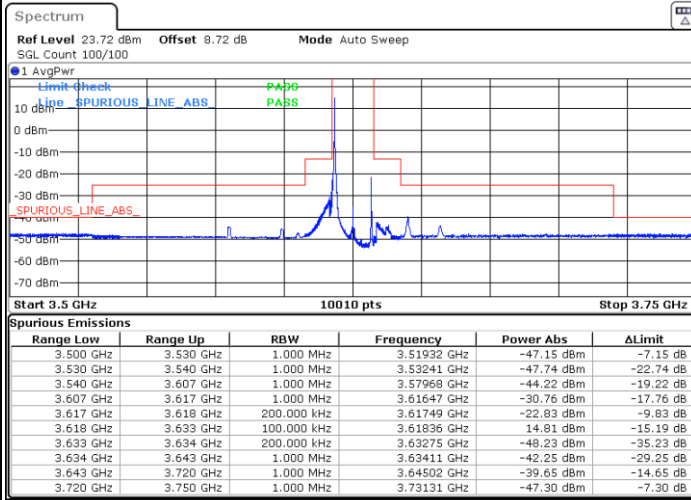


LTE Band 48 / 15MHz

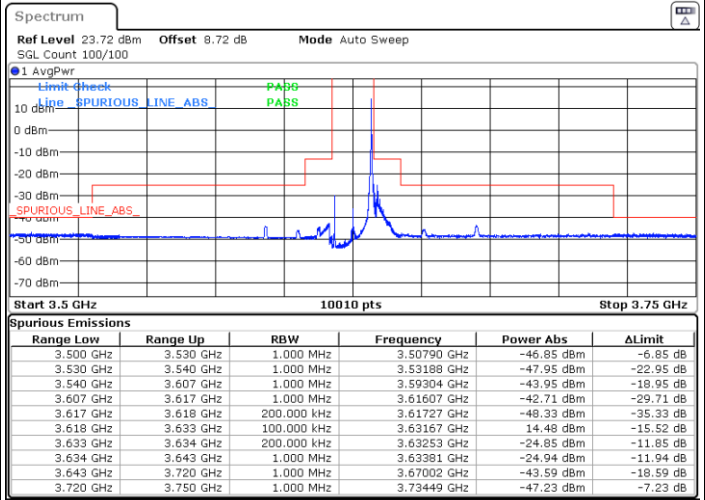
QPSK

Middle Channel / 1RB0

Middle Channel / 1RBmax



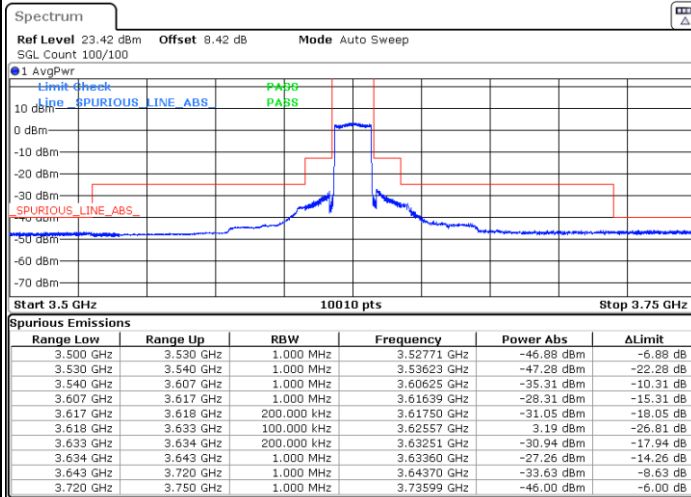
Date: 9.OCT.2024 15:38:58



Date: 9.OCT.2024 15:42:26

Middle Channel / Full

N/A



Date: 16.OCT.2024 01:46:11

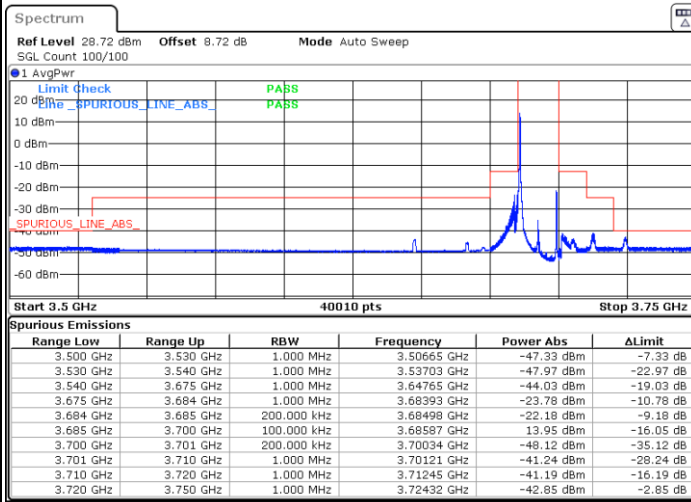


LTE Band 48 / 15MHz

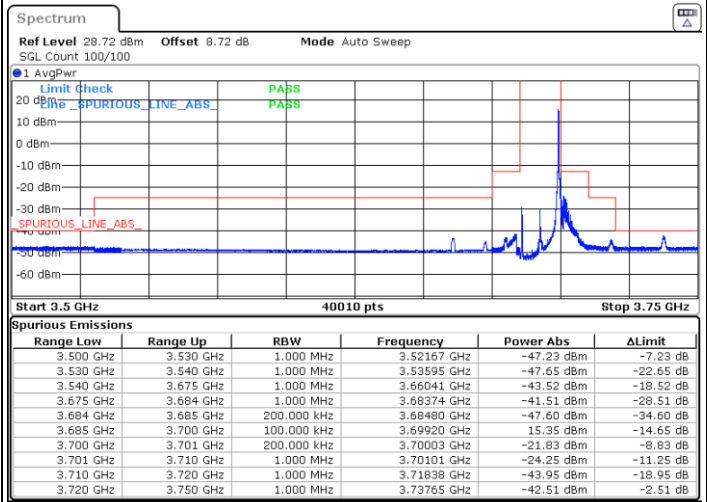
QPSK

Highest Channel / 1RB0

Highest Channel / 1RBmax



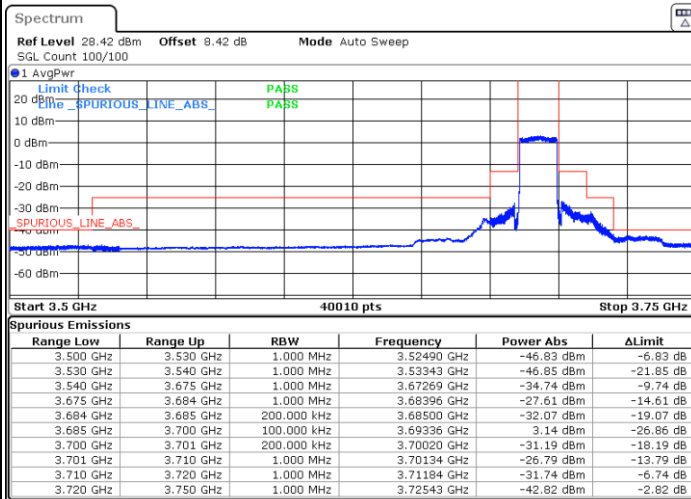
Date: 9.OCT.2024 15:50:54



Date: 9.OCT.2024 15:54:30

Highest Channel / FullIRB

N/A



Date: 16.OCT.2024 01:47:35

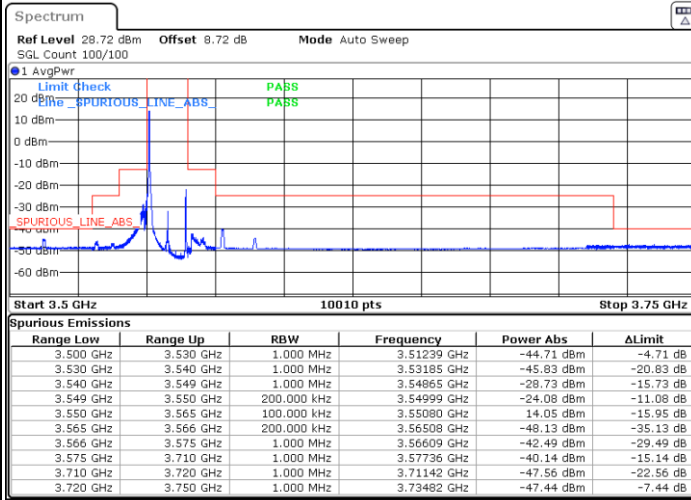


LTE Band 48 / 15MHz

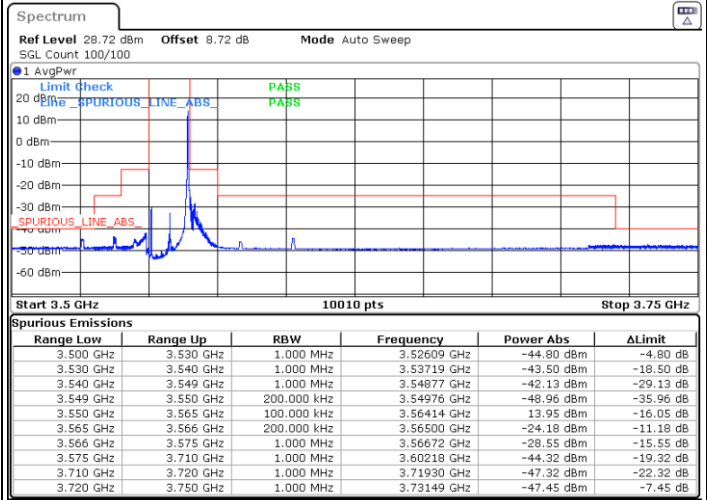
16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



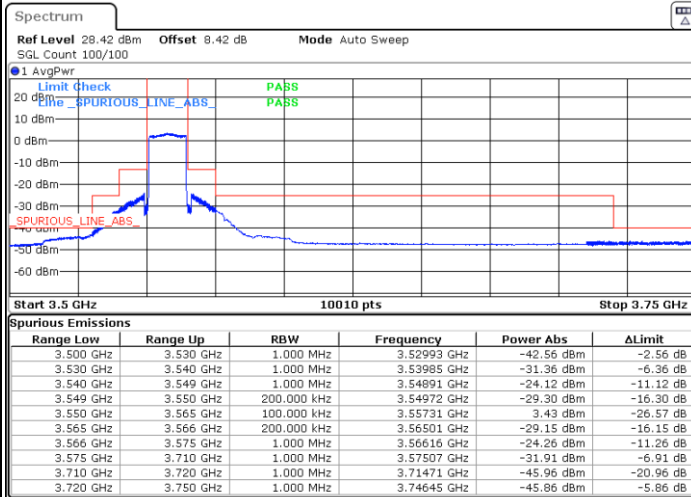
Date: 9.OCT.2024 15:13:58



Date: 9.OCT.2024 15:19:19

Lowest Channel / FullIRB

N/A



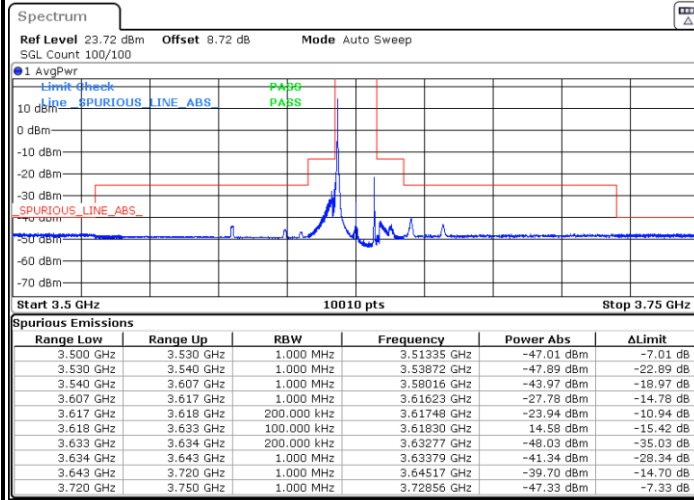
Date: 16.OCT.2024 01:43:23



LTE Band 48 / 15MHz

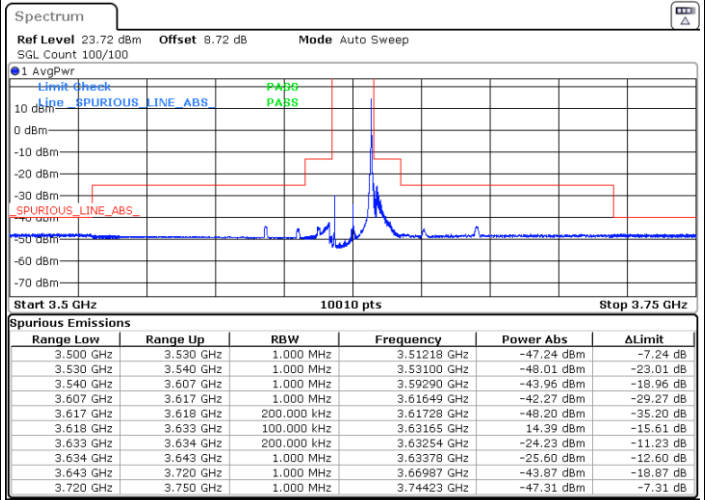
16QAM

Middle Channel / 1RB0



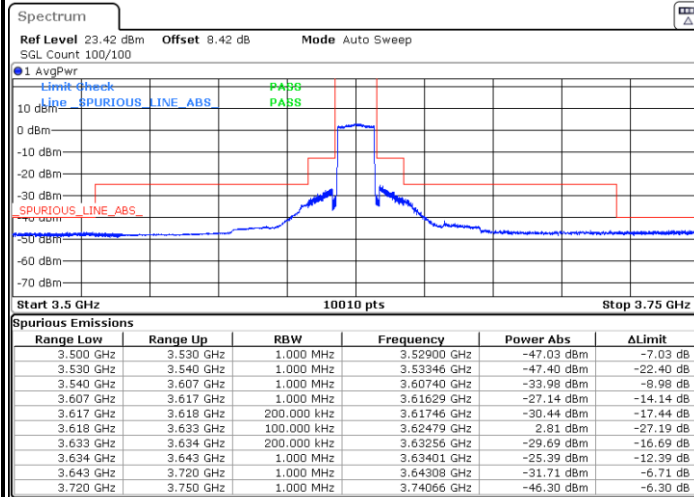
Date: 9.OCT.2024 15:40:41

Middle Channel / 1RBmax



Date: 9.OCT.2024 15:44:09

Middle Channel / Full



Date: 16.OCT.2024 01:44:47

N/A

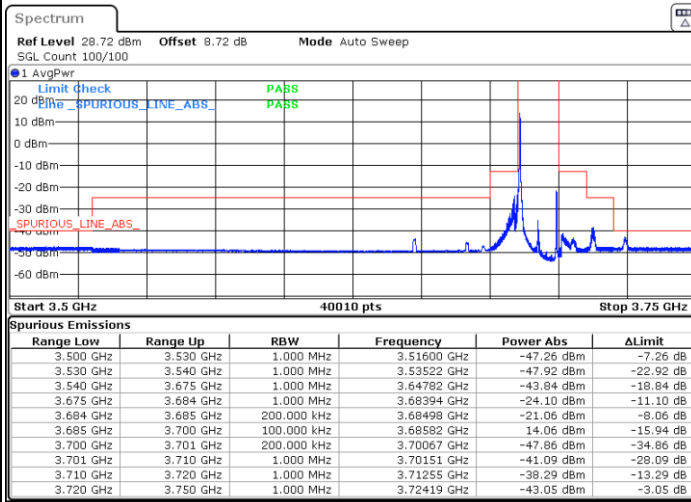


LTE Band 48 / 15MHz

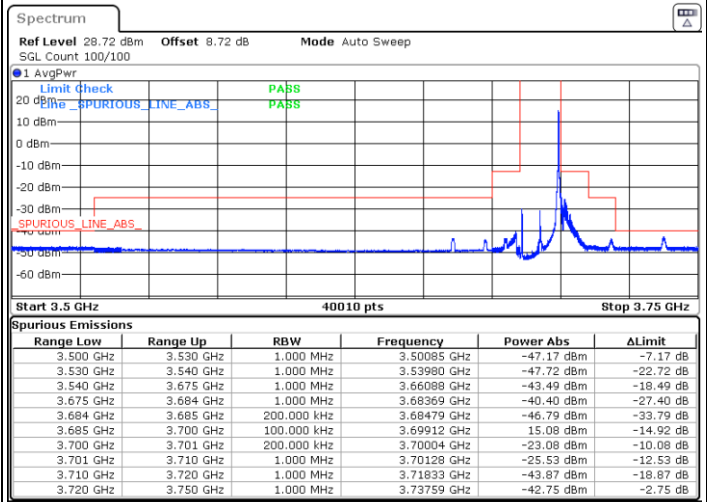
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



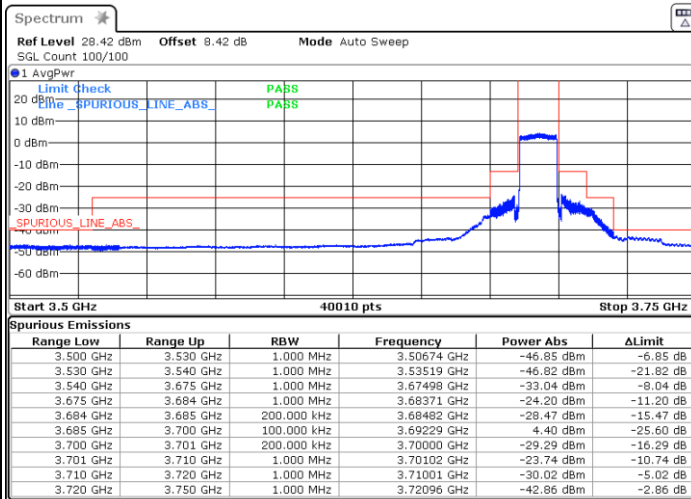
Date: 9.OCT.2024 15:52:42



Date: 9.OCT.2024 15:56:19

Highest Channel / FullIRB

N/A



Date: 16.OCT.2024 02:05:56

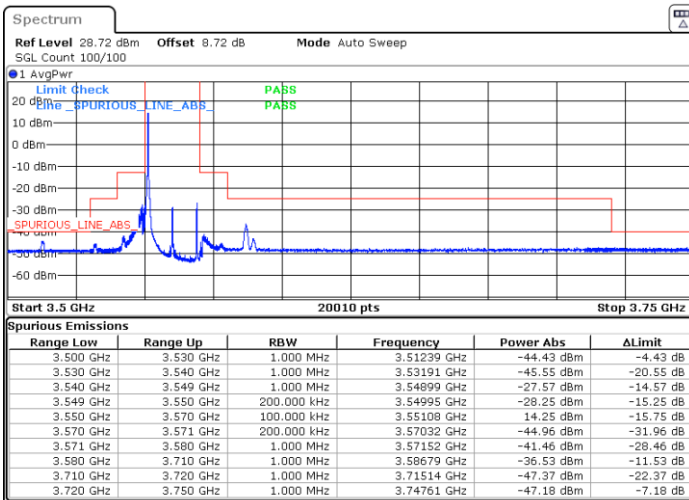


LTE Band 48 / 20MHz

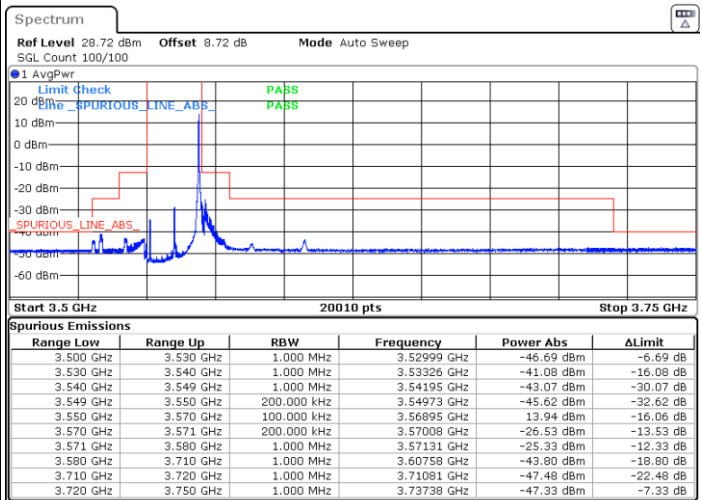
QPSK

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



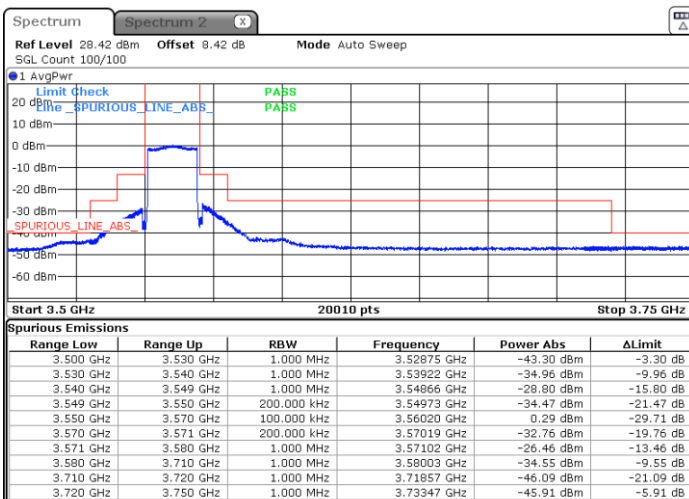
Date: 9.OCT.2024 16:03:28



Date: 9.OCT.2024 16:06:55

Lowest Channel / FullRB

N/A



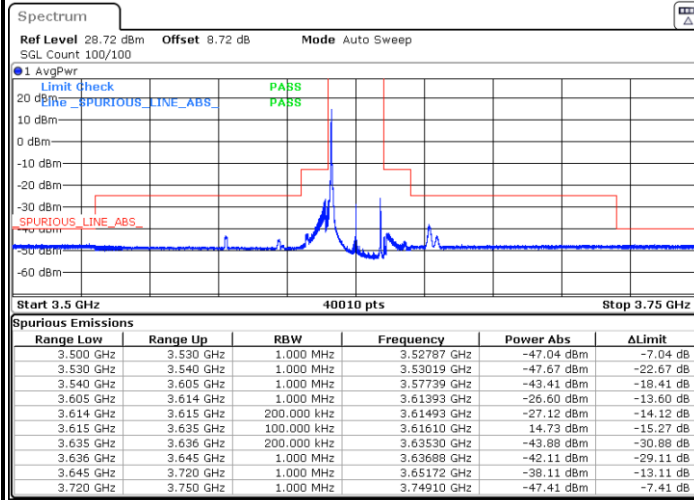
Date: 17.OCT.2024 11:16:57



LTE Band 48 / 20MHz

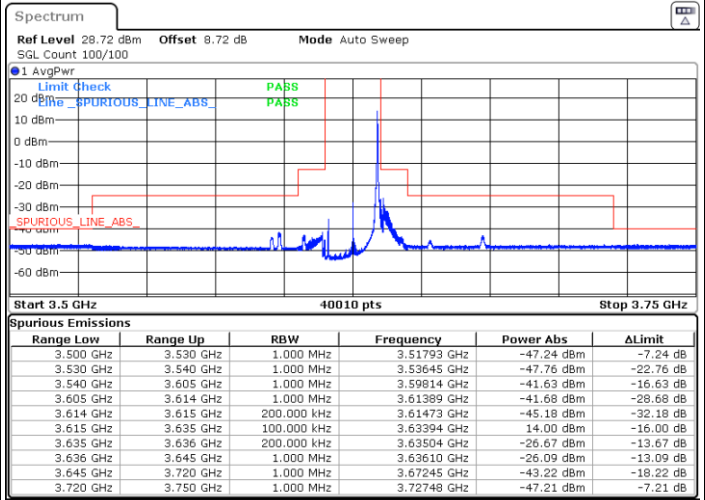
QPSK

Middle Channel / 1RB0



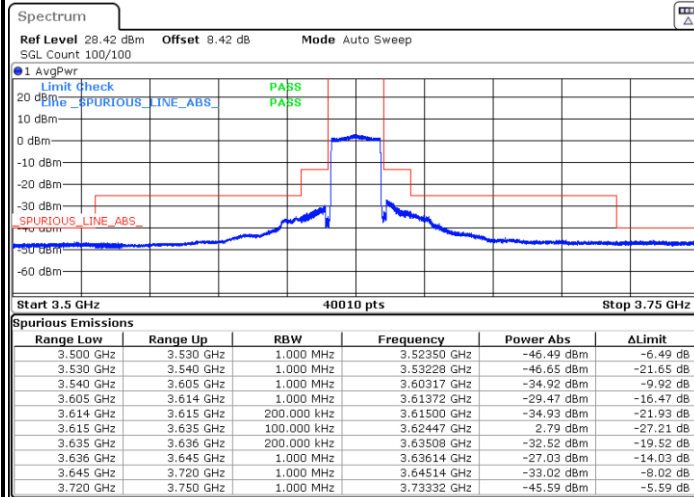
Date: 9.OCT.2024 16:22:54

Middle Channel / 1RBmax



Date: 9.OCT.2024 16:26:18

Middle Channel / Full



Date: 16.OCT.2024 01:54:54

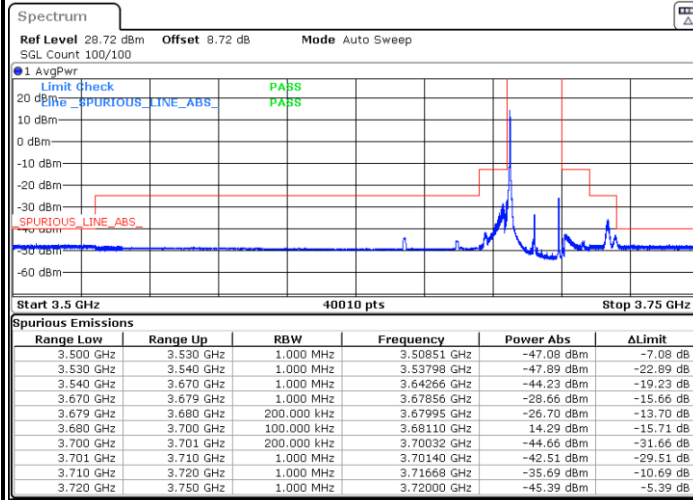
N/A



LTE Band 48 / 20MHz

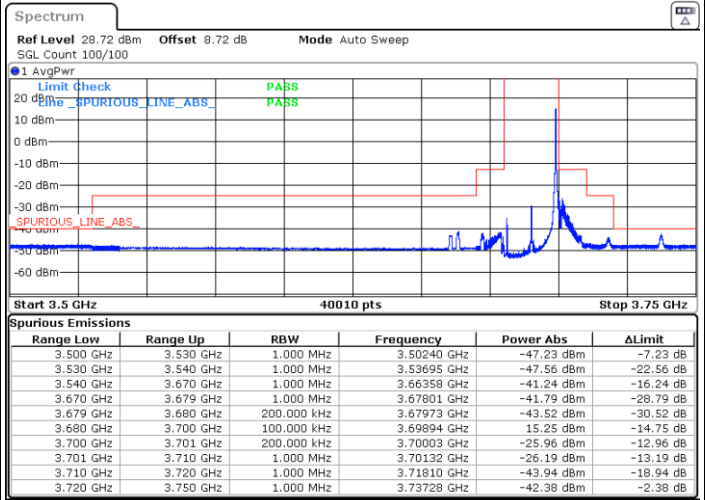
QPSK

Highest Channel / 1RB0



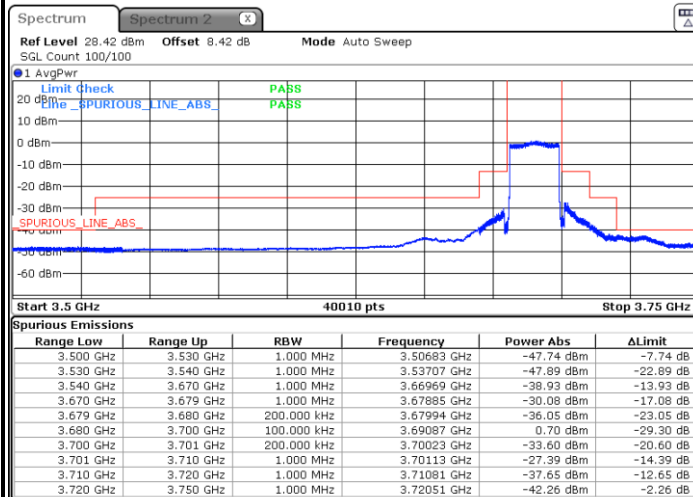
Date: 9.OCT.2024 16:33:06

Highest Channel / 1RBmax



Date: 9.OCT.2024 16:36:31

Highest Channel / FullIRB



Date: 17.OCT.2024 11:11:33

N/A

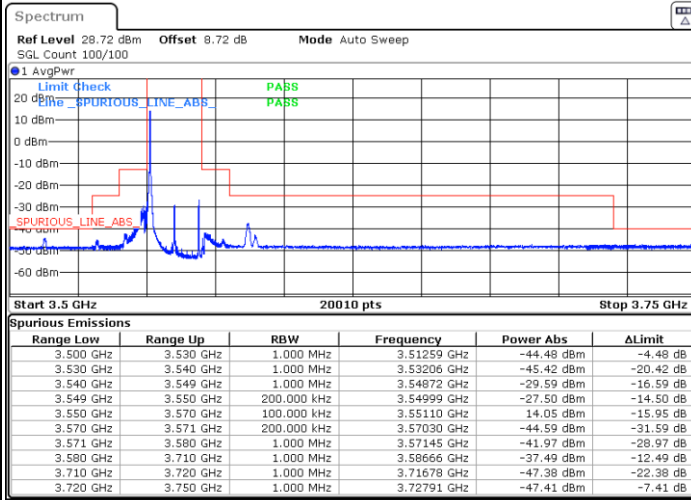


LTE Band 48 / 20MHz

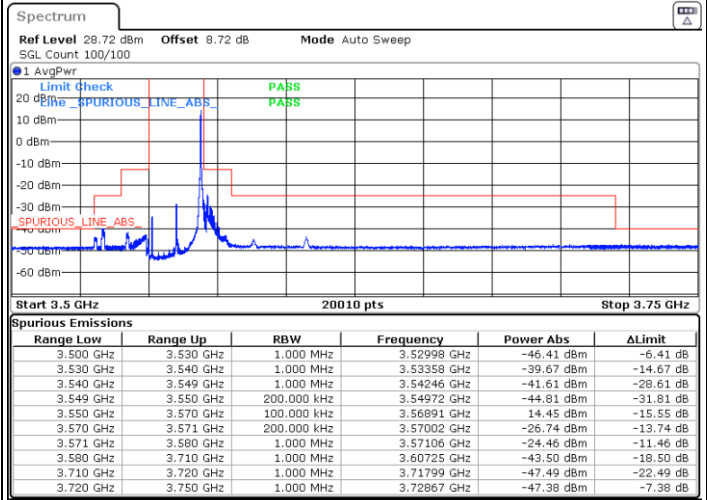
16QAM

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



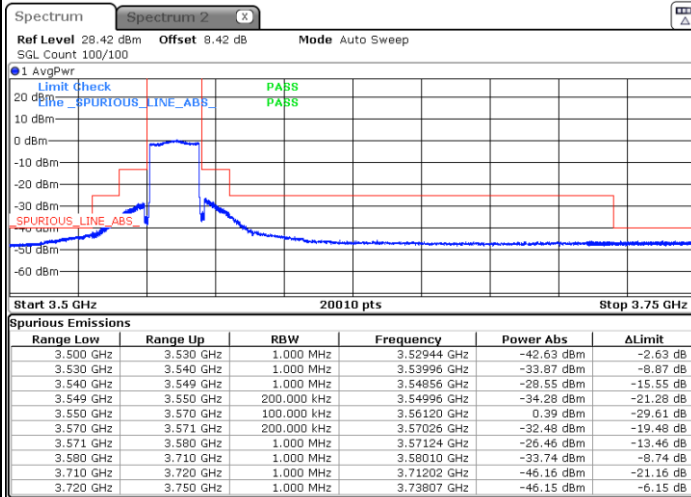
Date: 9.OCT.2024 16:05:11



Date: 9.OCT.2024 16:08:38

Lowest Channel / FullIRB

N/A



Date: 17.OCT.2024 11:14:50

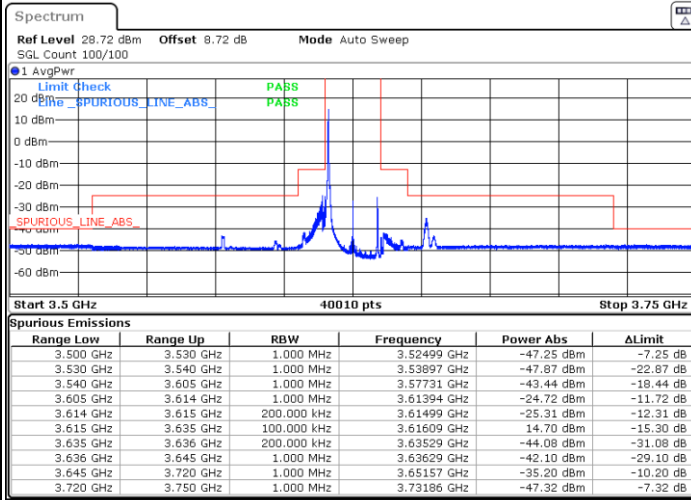


LTE Band 48 / 20MHz

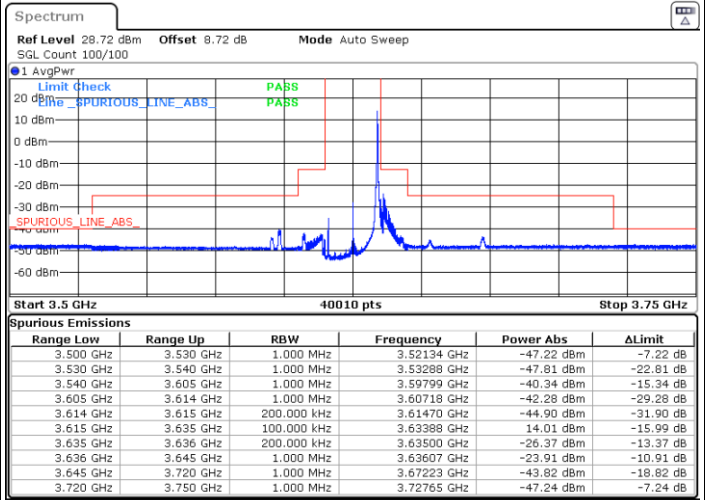
16QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax



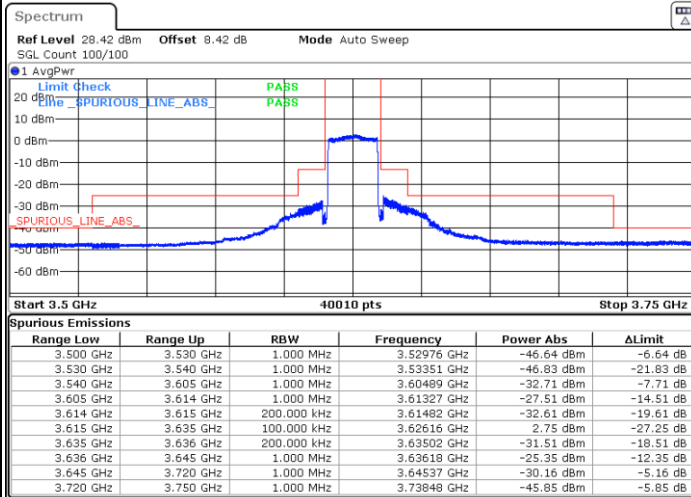
Date: 9.OCT.2024 16:24:36



Date: 9.OCT.2024 16:27:59

Middle Channel / Full

N/A



Date: 16.OCT.2024 01:56:17

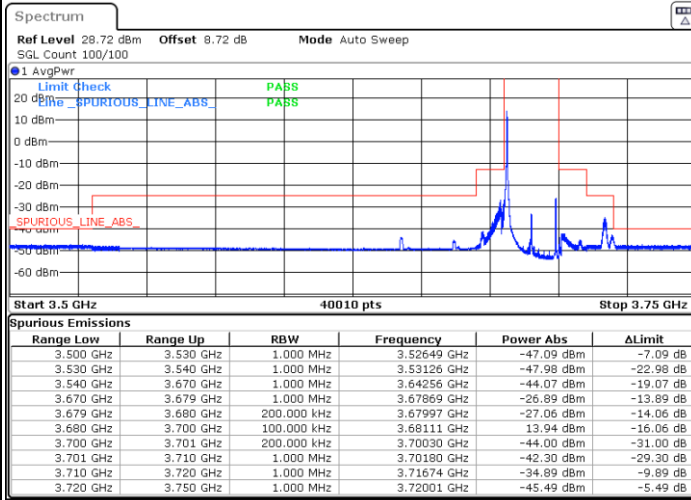


LTE Band 48 / 20MHz

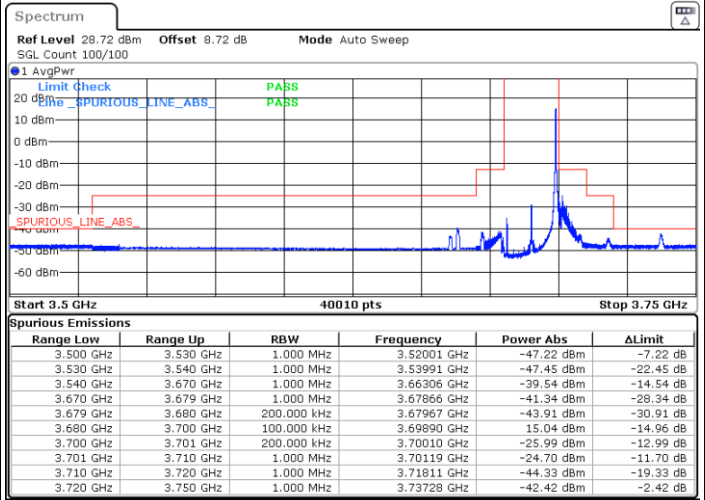
16QAM

Highest Channel / 1RB0

Highest Channel / 1RBmax



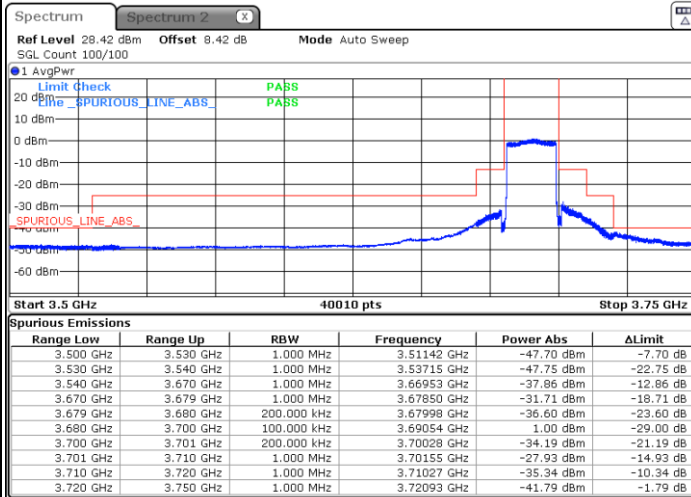
Date: 9.OCT.2024 16:34:48



Date: 9.OCT.2024 16:38:13

Highest Channel / FullIRB

N/A



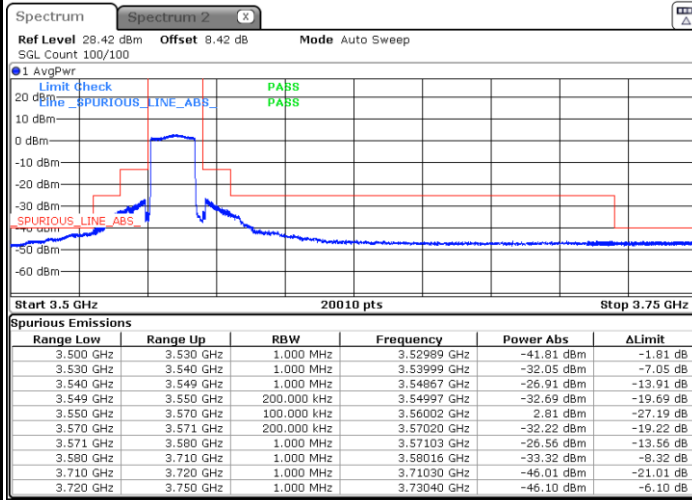
Date: 17.OCT.2024 11:13:00



LTE Band 48 / 20MHz

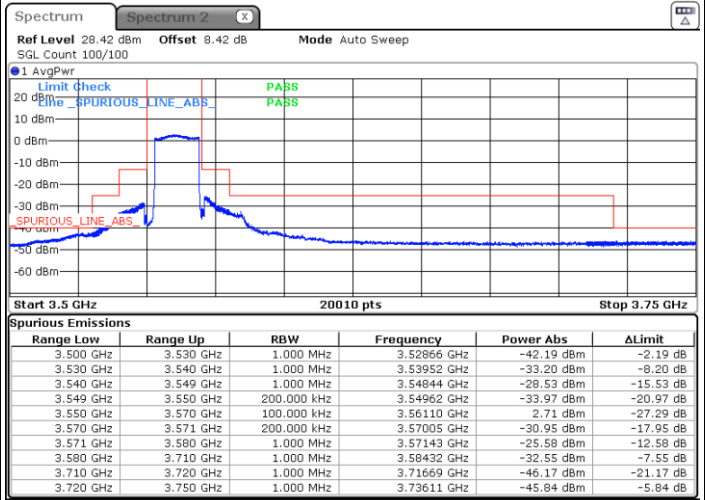
QPSK

Lowest Channel / 90RB0



Date: 18.OCT.2024 17:39:43

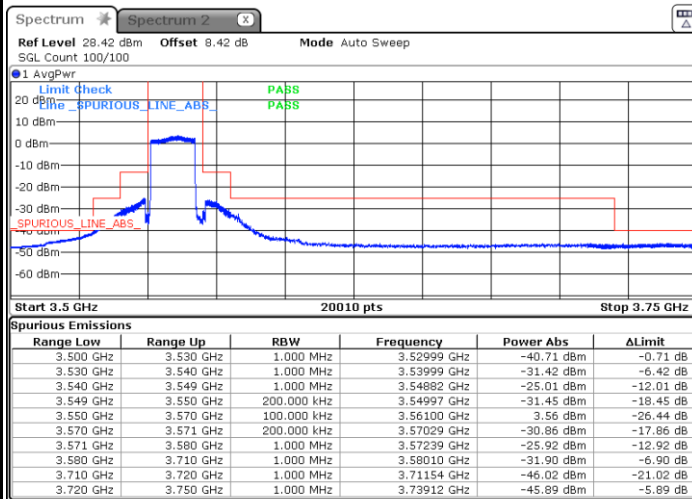
Lowest Channel / 90RB10



Date: 18.OCT.2024 17:21:43

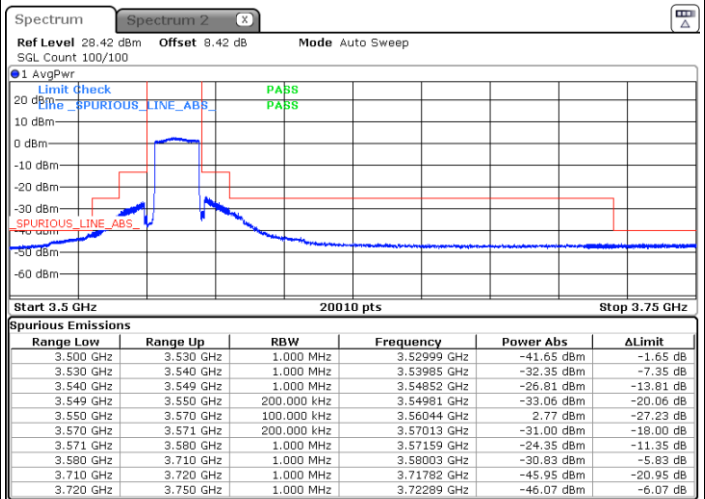
16QAM

Lowest Channel / 90RB0



Date: 18.OCT.2024 17:34:45

Lowest Channel / 90RB10



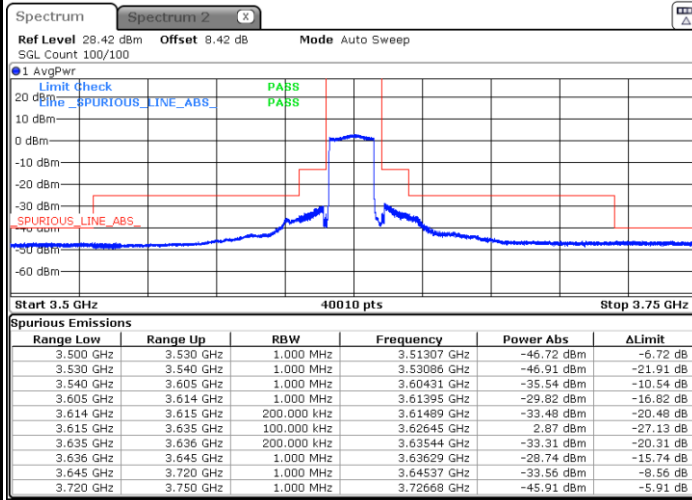
Date: 18.OCT.2024 17:24:19



LTE Band 48 / 20MHz

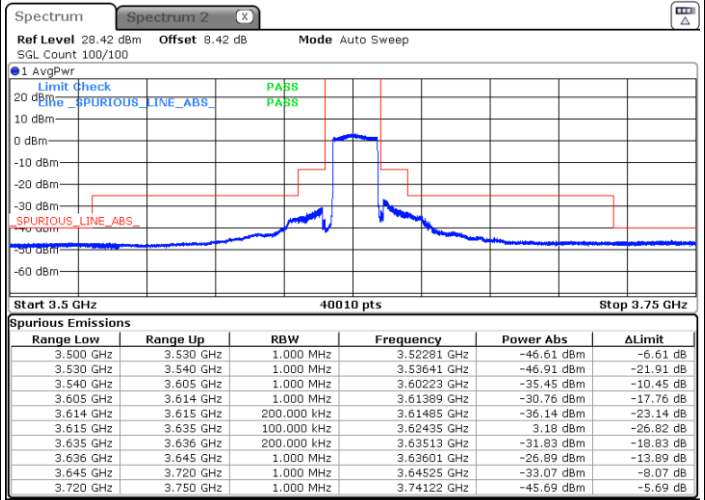
QPSK

Middle Channel / 90RB0



Date: 18.OCT.2024 17:04:14

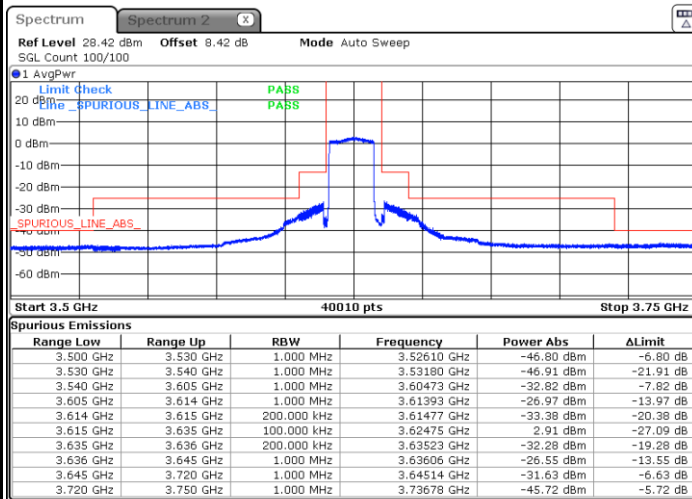
Middle Channel / 90RB10



Date: 18.OCT.2024 17:14:01

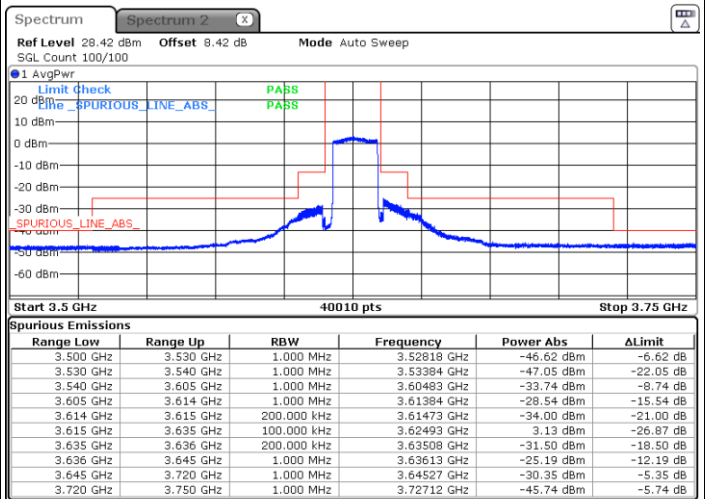
16QAM

Middle Channel / 90RB0



Date: 18.OCT.2024 17:07:06

Middle Channel / 90RB10



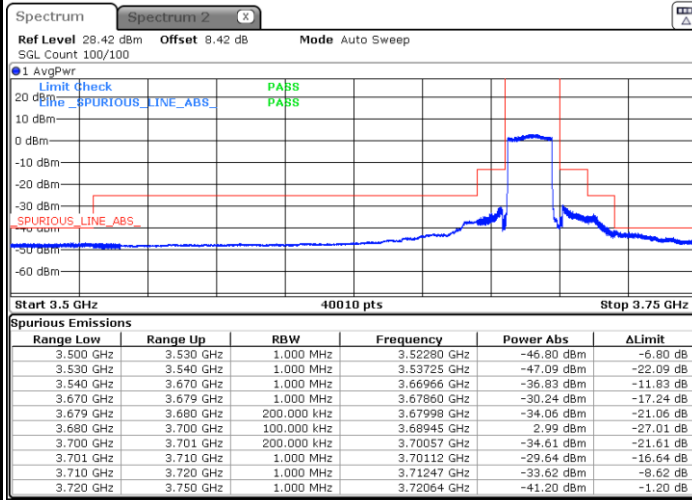
Date: 18.OCT.2024 17:17:18



LTE Band 48 / 20MHz

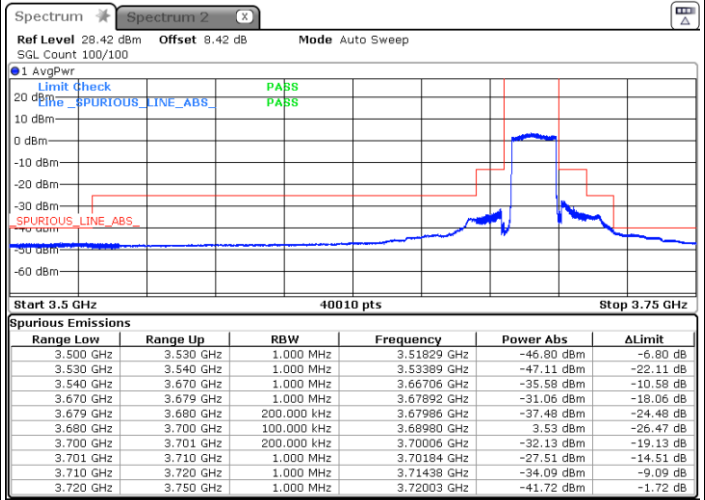
QPSK

Highest Channel / 90RB0



Date: 18.OCT.2024 17:42:28

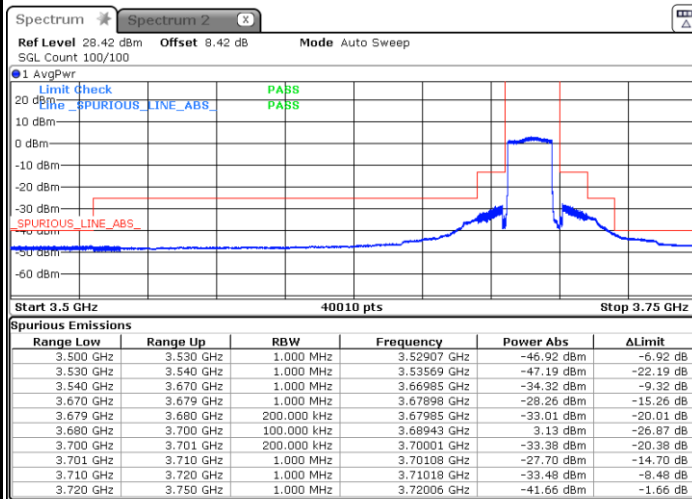
Highest Channel / 90RB10



Date: 18.OCT.2024 18:42:27

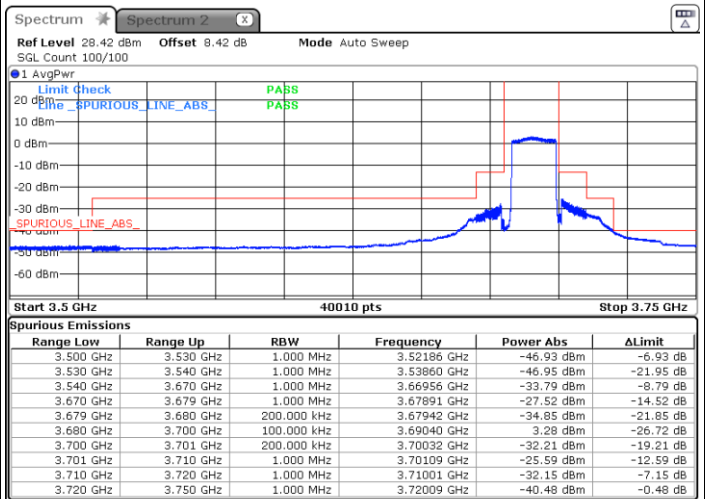
16QAM

Highest Channel / 90RB0



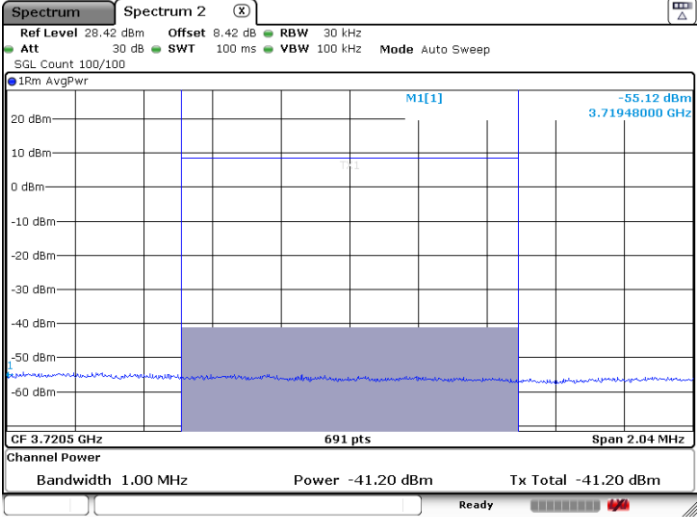
Date: 18.OCT.2024 18:27:58

Highest Channel / 90RB10



Date: 18.OCT.2024 18:35:56



16QAM	
Highest Channel / 90RB0	Highest Channel / 90RB10 channel power
/	
	Date: 17.OCT.2024 21:04:25



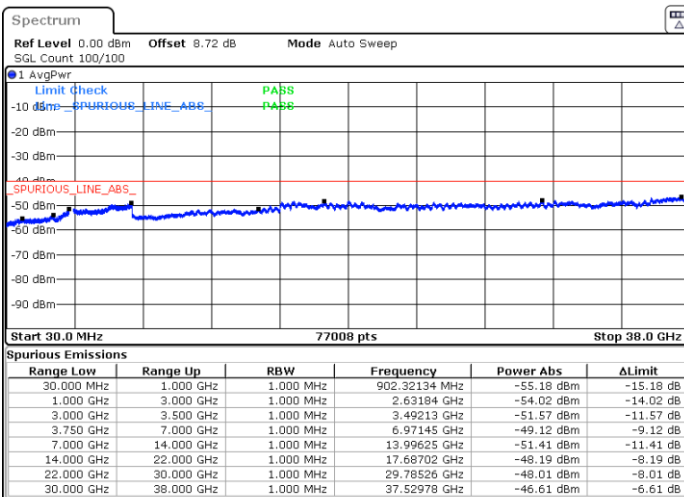
Conducted Spurious Emission

LTE Band 48 / 5MHz

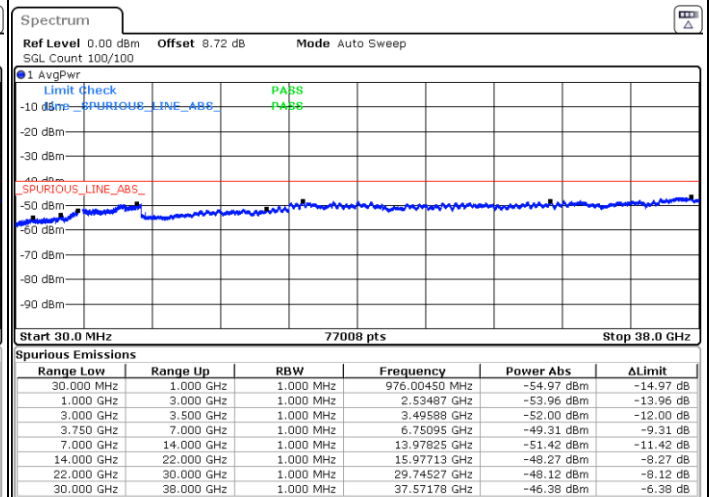
QPSK / 1RB0

Lowest Channel

Middle Channel

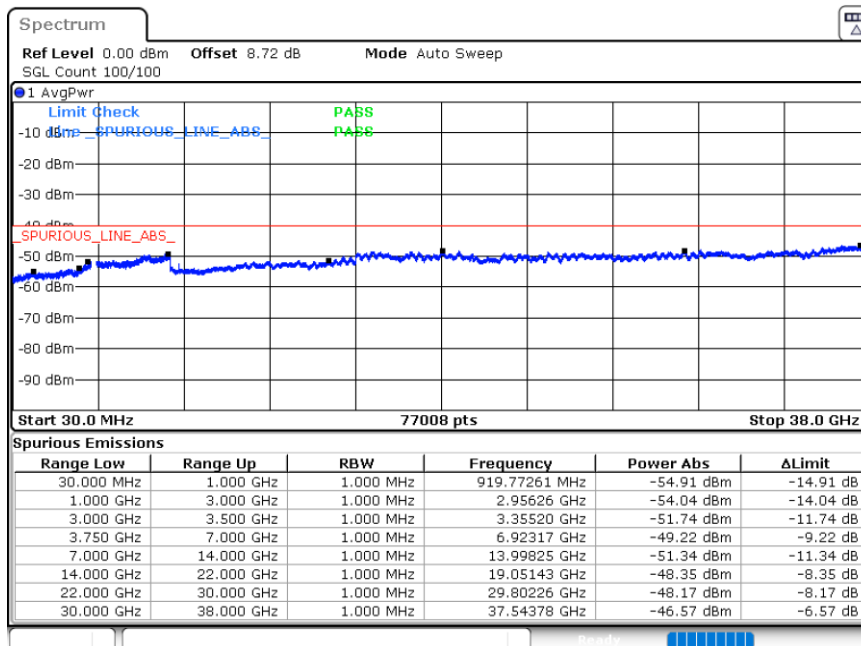


Date: 9.OCT.2024 18:39:03



Date: 9.OCT.2024 18:40:24

Highest Channel



Date: 9.OCT.2024 18:41:46

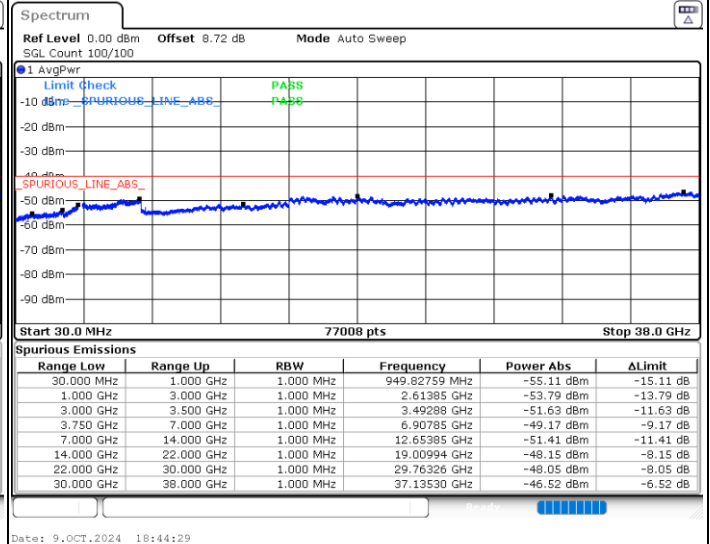
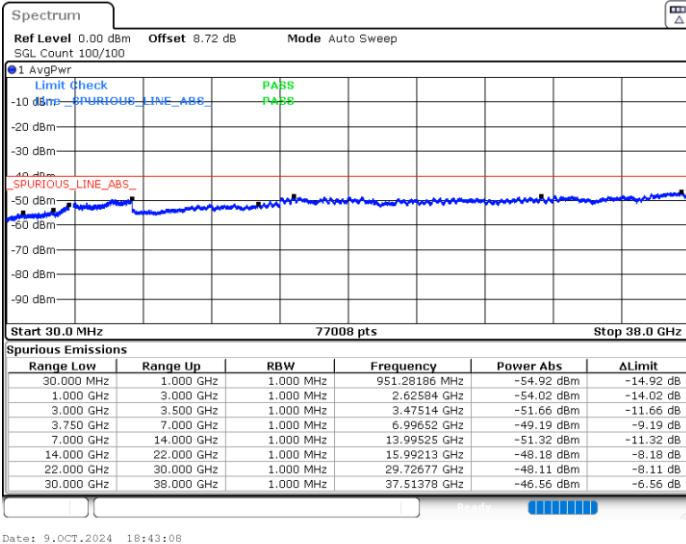


LTE Band 48 / 10MHz

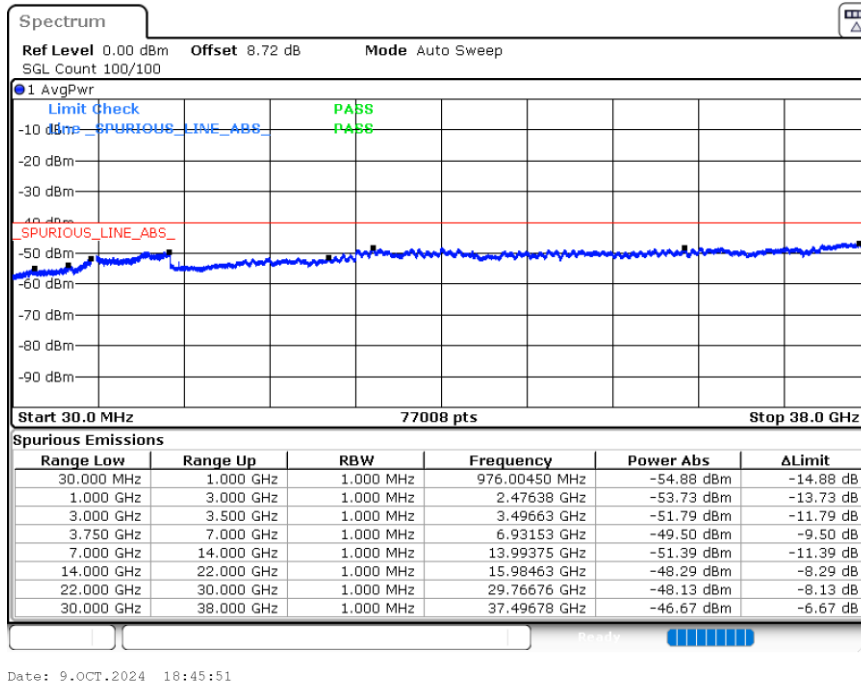
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel



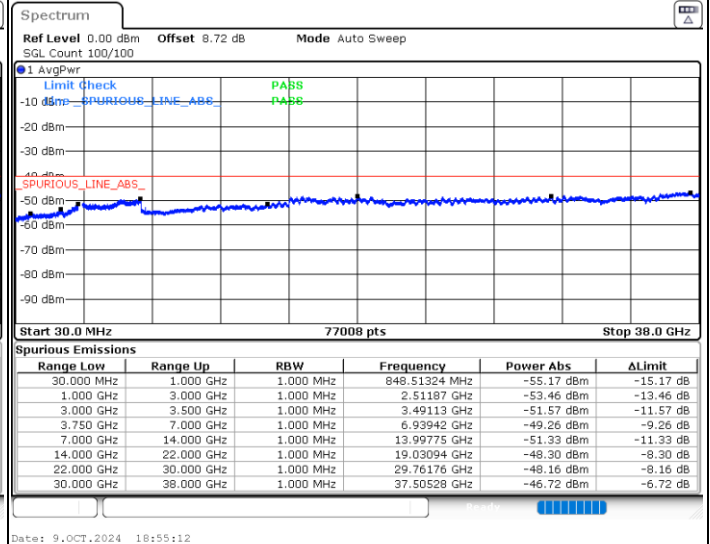
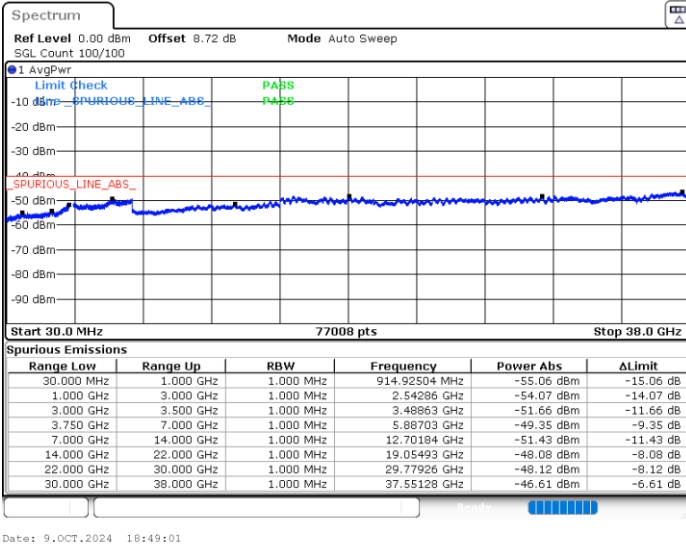


LTE Band 48 / 15MHz

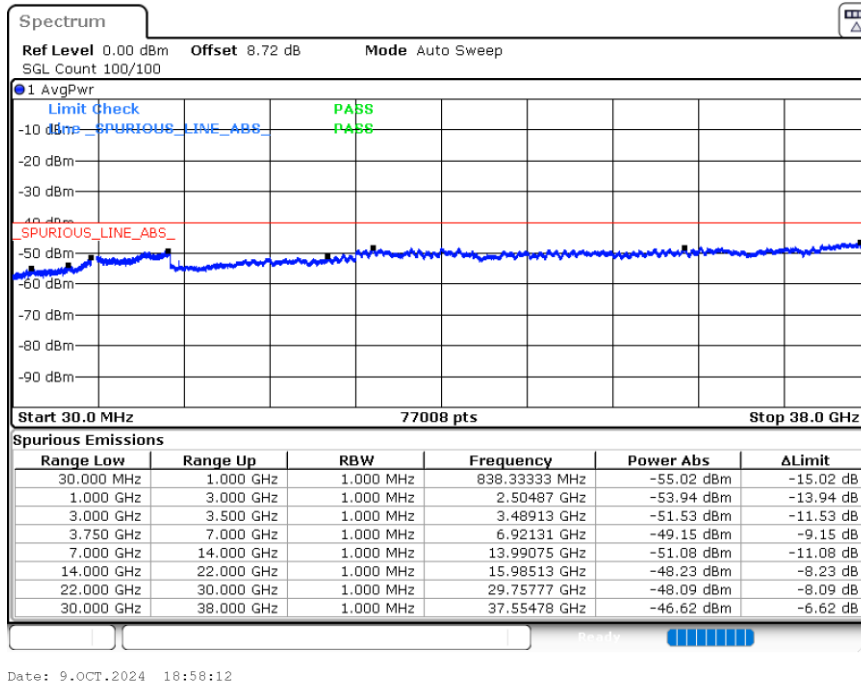
QPSK / 1RB0

Lowest Channel

Middle Channel



Highest Channel



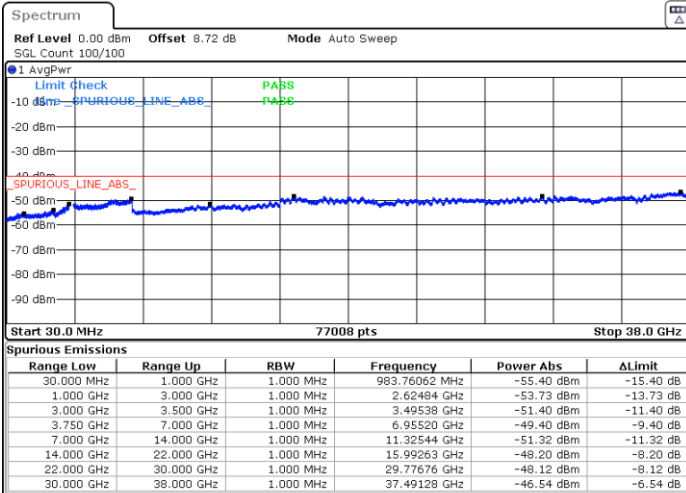


LTE Band 48 / 20MHz

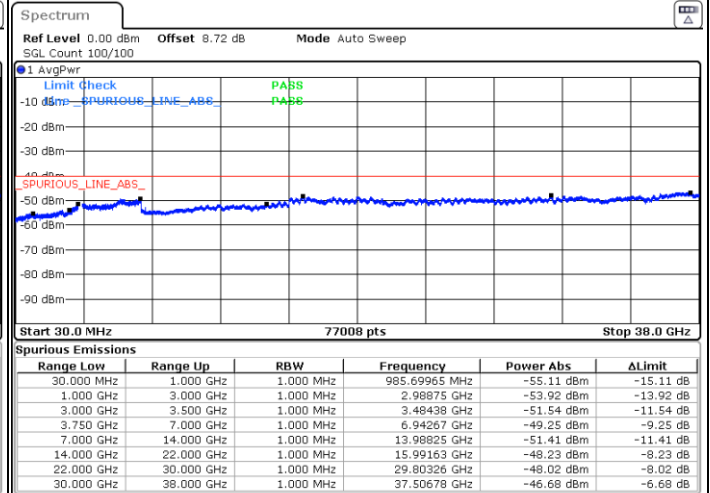
QPSK / 1RB0

Lowest Channel

Middle Channel

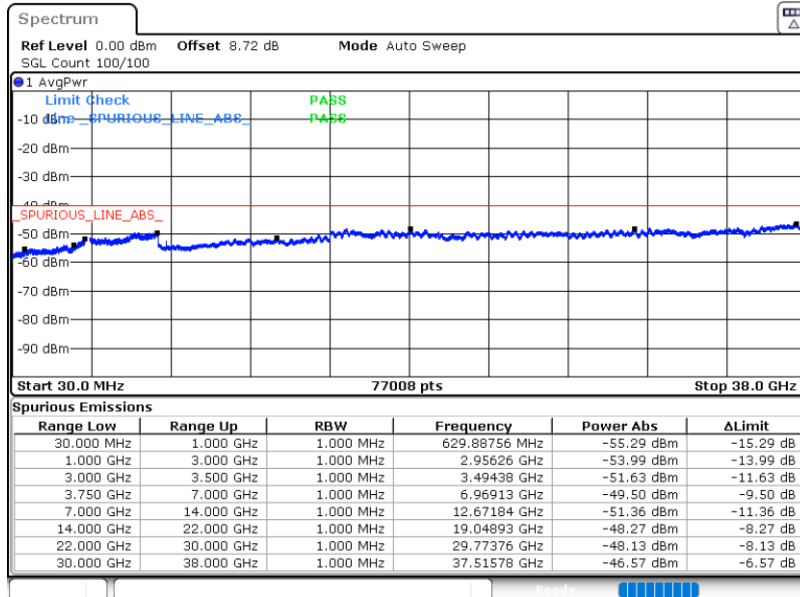


Date: 9.OCT.2024 19:03:26



Date: 9.OCT.2024 19:04:47

Highest Channel



Date: 9.OCT.2024 19:06:08

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	0.0015	PASS
40	Normal Voltage	0.0031	
30	Normal Voltage	0.0022	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0017	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0024	
-20	Normal Voltage	0.0031	
-30	Normal Voltage	0.0038	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0027	
20	Minimum Voltage	0.0009	

Note:

1. Normal Voltage = 52 V. ; Minimum Voltage = 48 V. ; Maximum Voltage = 54 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Smile Wang	Temperature :	23~25℃
		Relative Humidity :	41~42%

LTE Band 48 / 5 MHz / 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	7245.68	-58.01	-40	-18.01	-69.47	2.84	14.30	H
	10868.52	-59.39	-40	-19.39	-69.33	3.49	13.43	H
	14491	-59.62	-40	-19.62	-69.86	3.85	14.09	H
	7248	-60.27	-40	-20.27	-71.73	2.84	14.30	V
	10868.52	-60.20	-40	-20.20	-70.14	3.49	13.43	V
	14491.36	-59.33	-40	-19.33	-69.57	3.85	14.09	V

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

LTE Band 48 / 10 MHz / 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	7236	-56.59	-40	-16.59	-68.05	2.84	14.30	H
	10860	-59.09	-40	-19.09	-69.03	3.49	13.43	H
	14484	-59.49	-40	-19.49	-69.73	3.85	14.09	H
	7236	-58.27	-40	-18.27	-69.73	2.84	14.30	V
	10860	-59.34	-40	-19.34	-69.28	3.49	13.43	V
	14482.36	-59.80	-40	-19.80	-70.04	3.85	14.09	V

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

LTE Band 48 / 15 MHz / 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	7236	-58.19	-40	-18.19	-69.65	2.84	14.30	H
	10855.02	-60.17	-40	-20.17	-70.11	3.49	13.43	H
	14473.36	-59.54	-40	-19.54	-69.78	3.85	14.09	H
	7236.68	-61.37	-40	-21.37	-72.83	2.84	14.30	V
	10855.02	-60.65	-40	-20.65	-70.59	3.49	13.43	V
	14472	-59.54	-40	-19.54	-69.78	3.85	14.09	V

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



LTE Band 48 / 20 MHz / 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	7232.18	-56.53	-40	-16.53	-67.99	2.84	14.30	H
	10848.27	-59.10	-40	-19.10	-69.04	3.49	13.43	H
	14460	-59.34	-40	-19.34	-69.58	3.85	14.09	H
	7236	-58.08	-40	-18.08	-69.54	2.84	14.30	V
	10848.27	-59.67	-40	-19.67	-69.61	3.49	13.43	V
	14464.36	-59.78	-40	-19.78	-70.02	3.85	14.09	V

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