

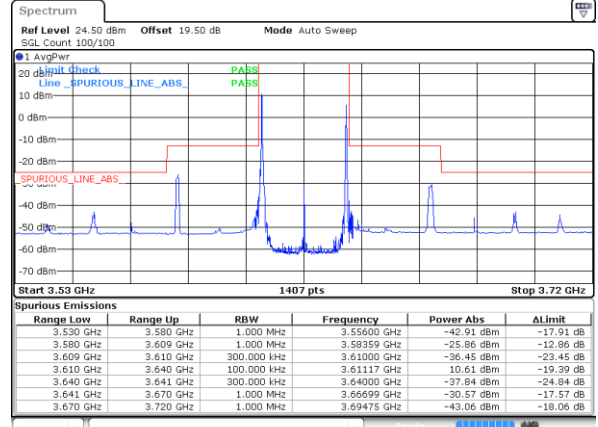
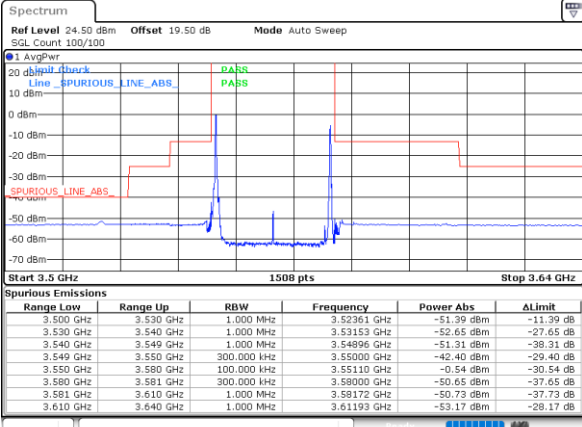


LTE Band 48C / 20MHz+10MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB49

Middle Band Edge / 1RB0 and 1RB49

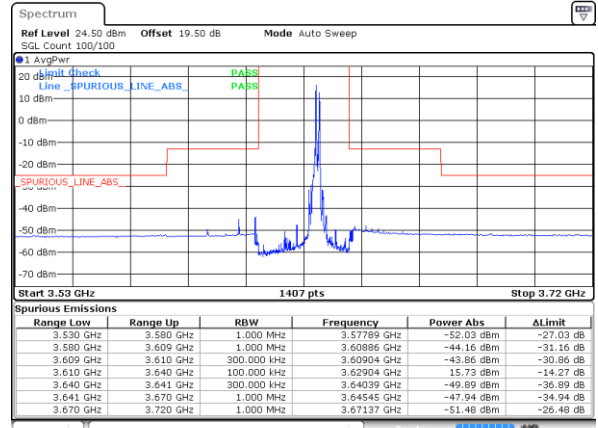
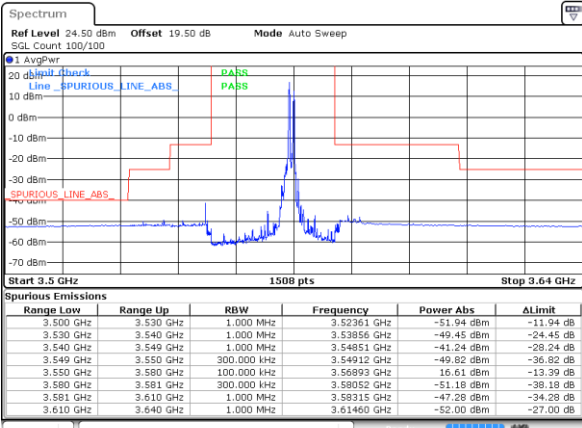


Date: 21.NOV.2024 14:23:39

Date: 14 NOV 2024 13:00:50

Lowest Band Edge / 1RB99 and 1RB0

Middle Band Edge / 1RB99 and 1RB0

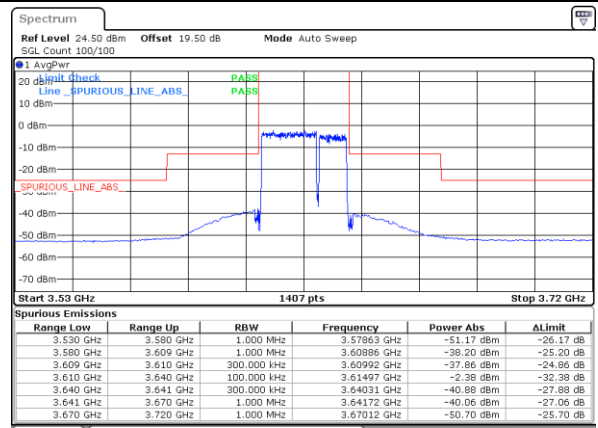
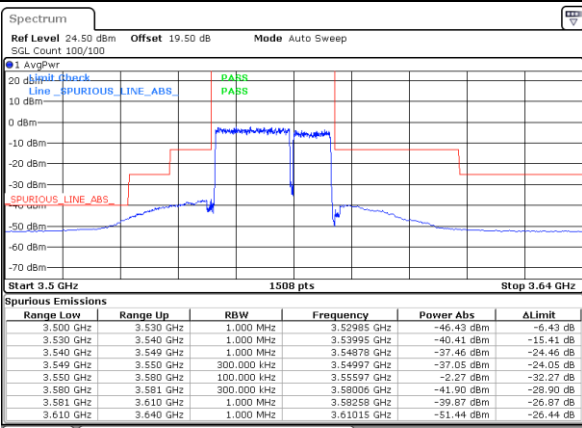


Date: 14 NOV 2024 11:21:16

Date: 14 NOV 2024 13:01:40

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 14 NOV 2024 11:26:12

Date: 14 NOV 2024 12:56:44

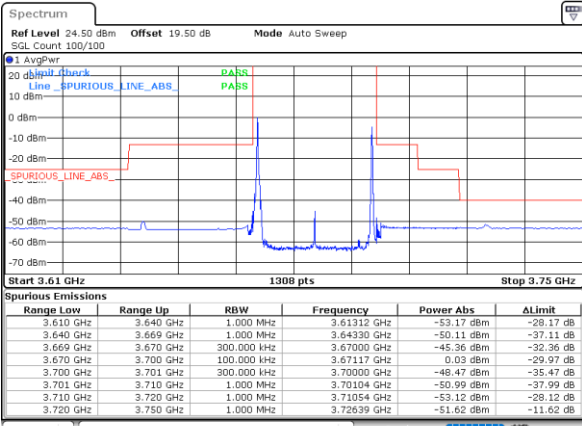


LTE Band 48C / 20MHz+10MHz

64QAM

Highest Band Edge / 1RB0 and 1RB49

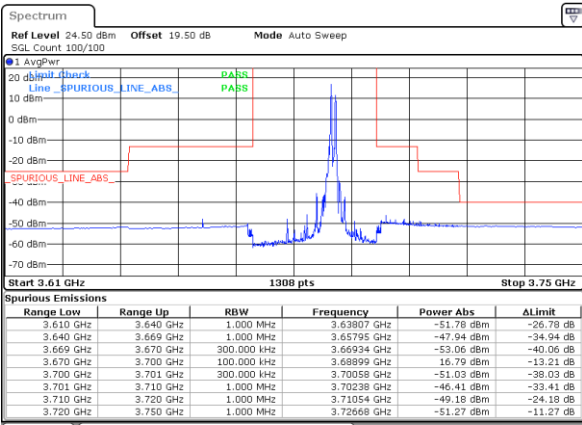
N/A



Date: 21.NOV.2024 14:27:21

Highest Band Edge / 1RB99 and 1RB0

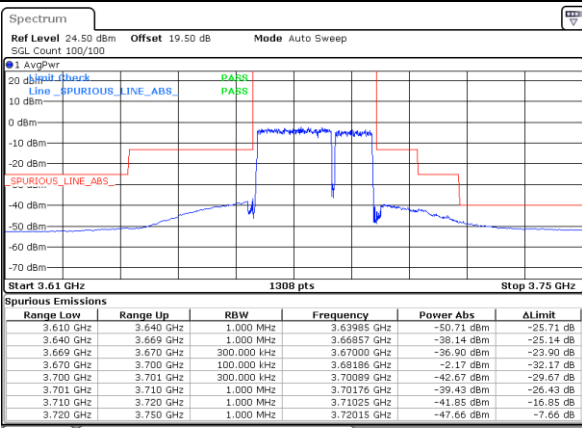
N/A



Date: 14.NOV.2024 11:31:58

Highest Band Edge / Full RB

N/A



Date: 14.NOV.2024 11:27:02

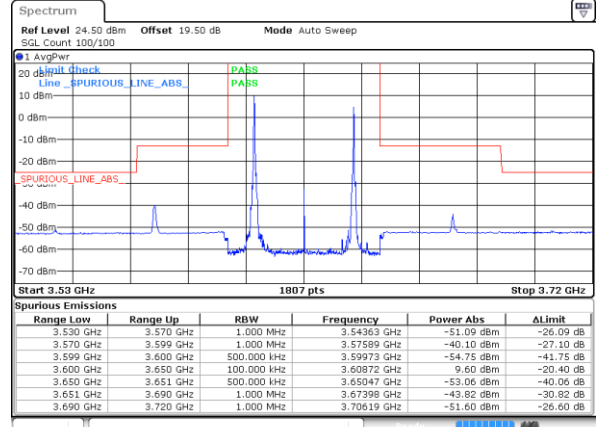
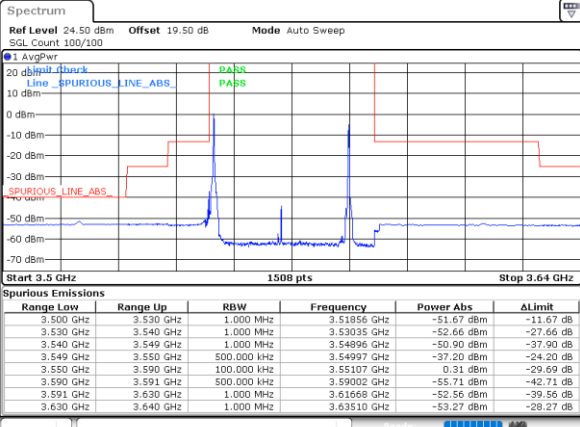


LTE Band 48C / 20MHz+15MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB74

Middle Band Edge / 1RB0 and 1RB74

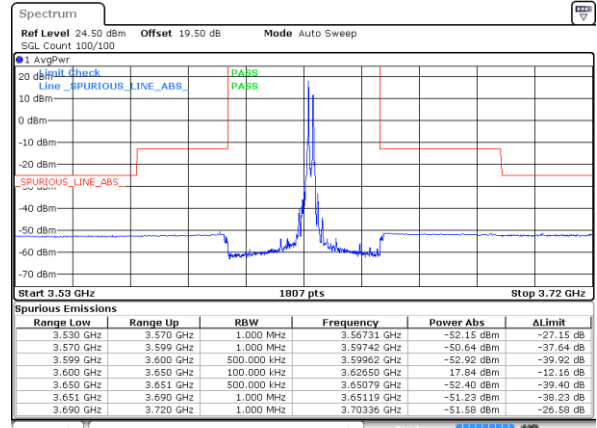
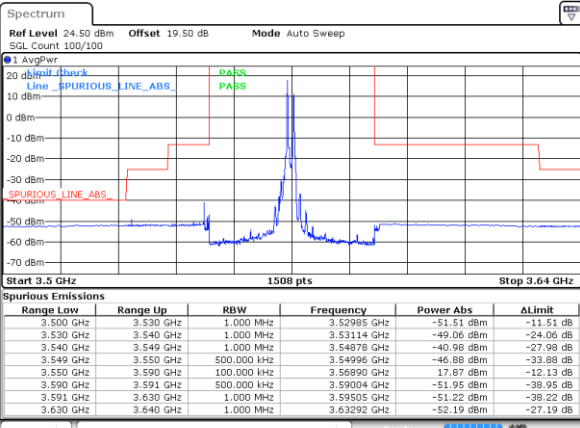


Date: 21.NOV.2024 14:28:43

Date: 14 NOV 2024 13:15:45

Lowest Band Edge / 1RB99 and 1RB0

Middle Band Edge / 1RB99 and 1RB0

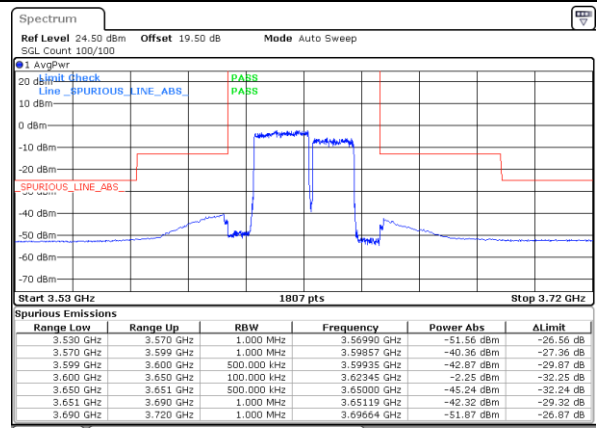
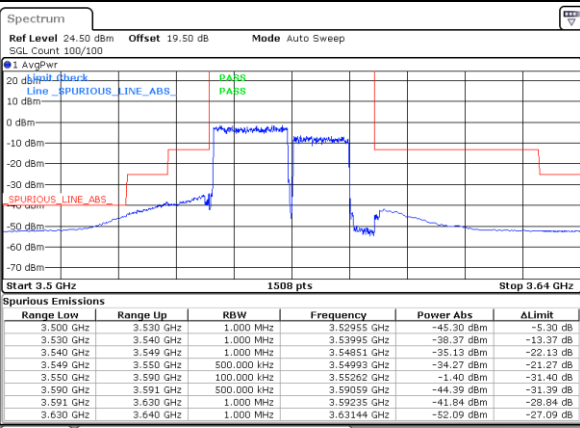


Date: 14 NOV 2024 12:00:47

Date: 14 NOV 2024 13:16:35

Lowest Band Edge / Full RB

Middle Band Edge / Full RB



Date: 14 NOV 2024 12:05:44

Date: 14 NOV 2024 13:11:38

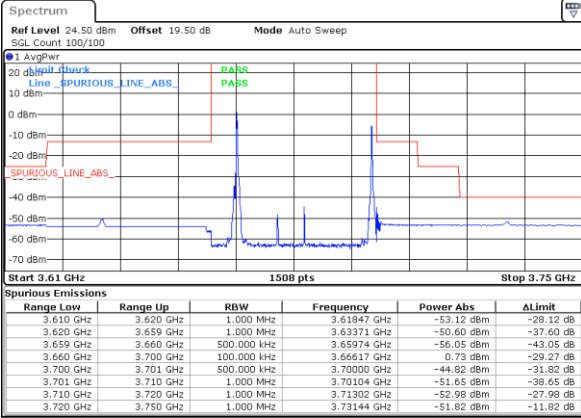


LTE Band 48C / 20MHz+15MHz

64QAM

Highest Band Edge / 1RB0 and 1RB74

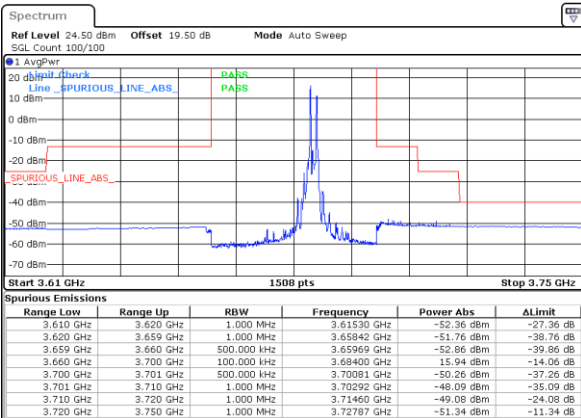
N/A



Date: 21.NOV.2024 14:29:35

Highest Band Edge / 1RB99 and 1RB0

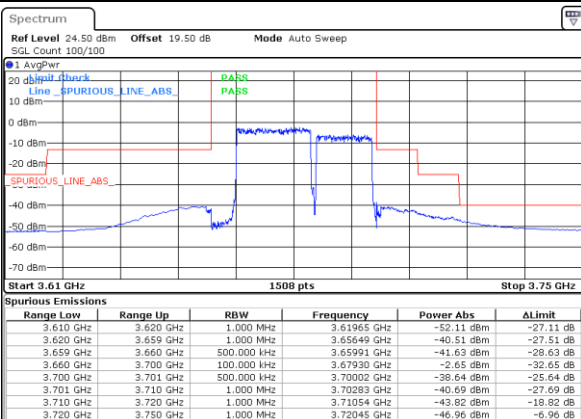
N/A



Date: 14.NOV.2024 12:11:29

Highest Band Edge / Full RB

N/A



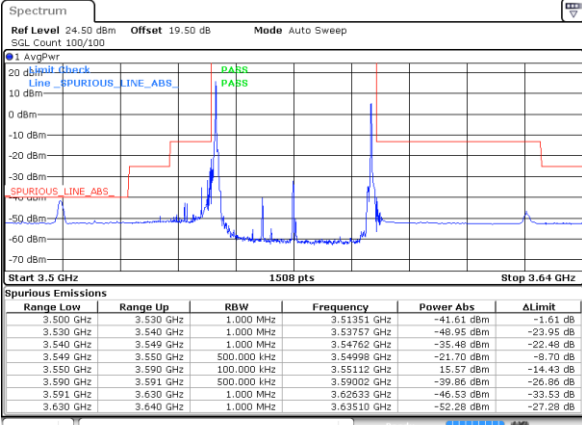
Date: 14.NOV.2024 12:06:33



LTE Band 48C / 20MHz+20MHz

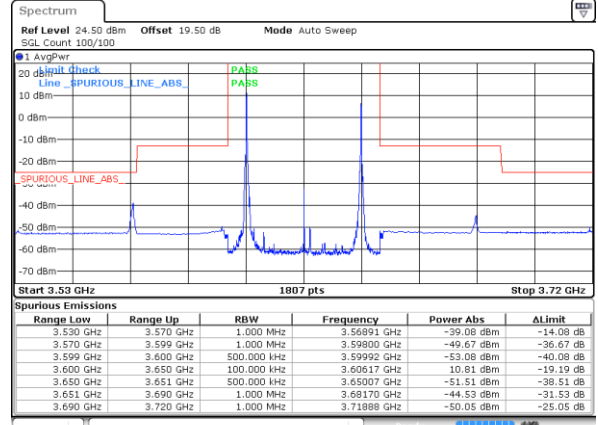
64QAM

Lowest Band Edge / 1RB0 and 1RB99



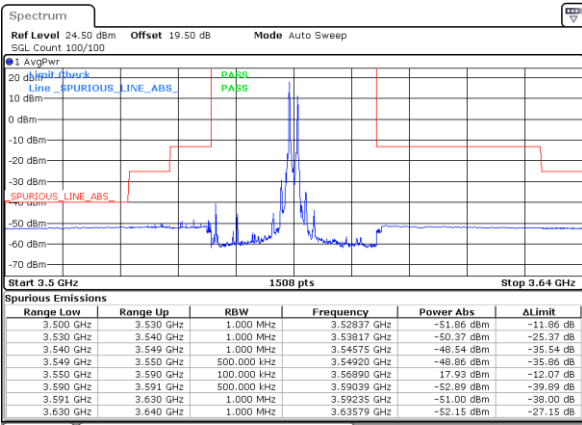
Date: 14 NOV 2024 12:21:00

Middle Band Edge / 1RB0 and 1RB99



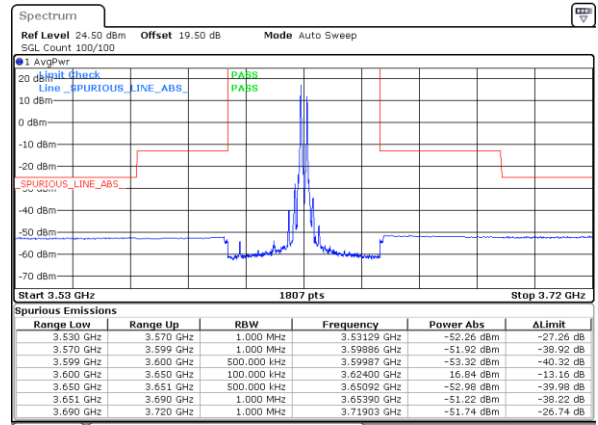
Date: 14 NOV 2024 13:21:24

Lowest Band Edge / 1RB99 and 1RB0



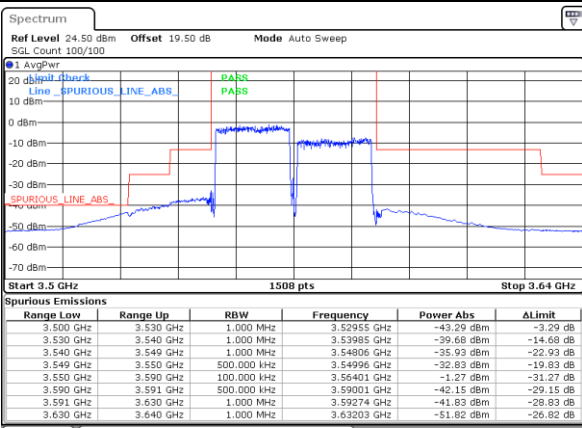
Date: 14 NOV 2024 12:20:12

Middle Band Edge / 1RB99 and 1RB0



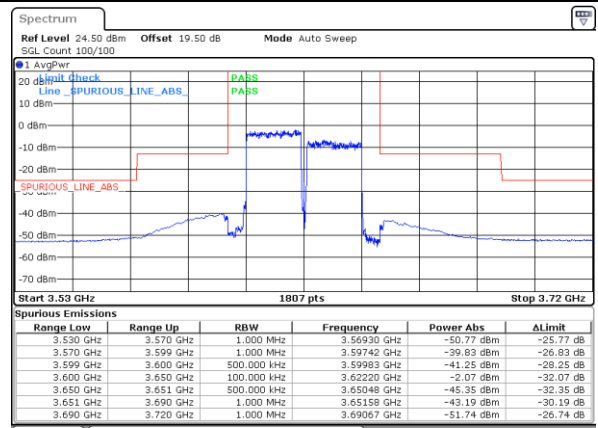
Date: 14 NOV 2024 13:20:37

Lowest Band Edge / Full RB



Date: 14 NOV 2024 12:24:57

Middle Band Edge / Full RB



Date: 14 NOV 2024 13:25:22

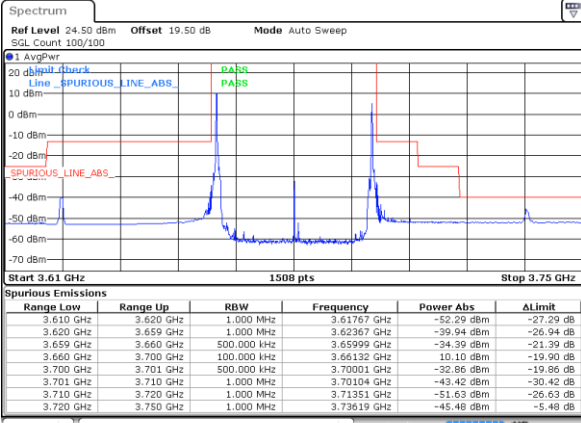


LTE Band 48C / 20MHz+20MHz

64QAM

Highest Band Edge / 1RB0 and 1RB99

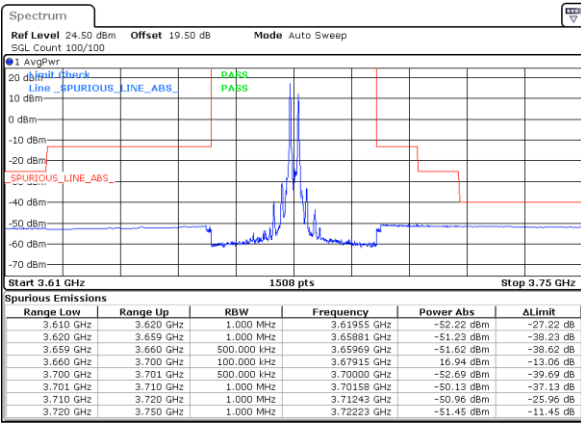
N/A



Date: 14 NOV 2024 12:29:45

Highest Band Edge / 1RB99 and 1RB0

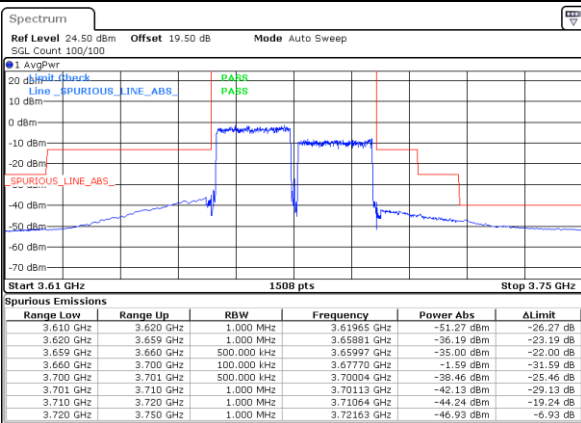
N/A



Date: 14 NOV 2024 12:30:33

Highest Band Edge / Full RB

N/A



Date: 14 NOV 2024 12:25:48

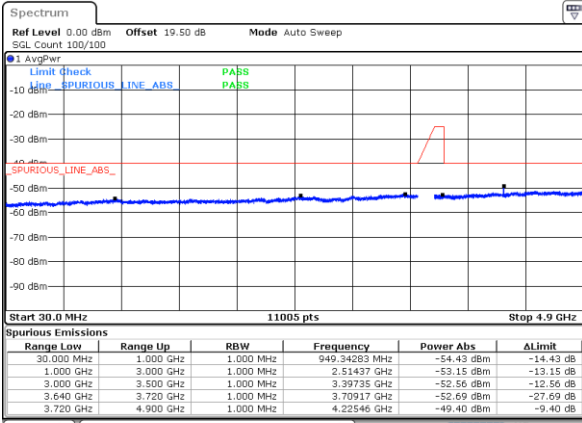


# Conducted Spurious Emission

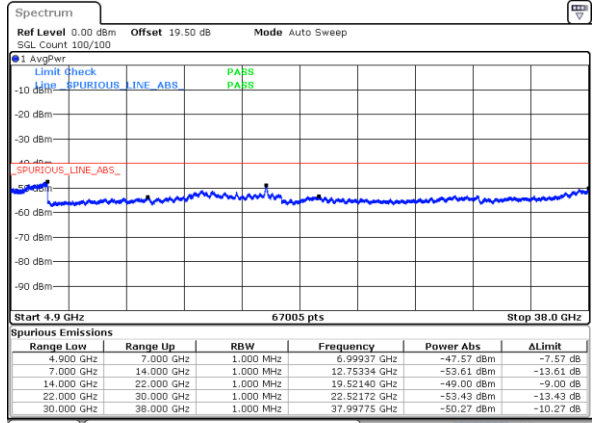
## LTE Band 48C / 5MHz+20MHz

### QPSK

#### Lowest Channel / 1RB24 and 1RB0

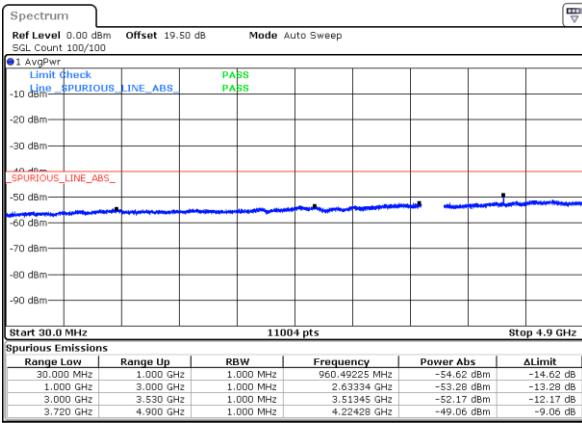


Date: 27.NOV.2024 00:05:45

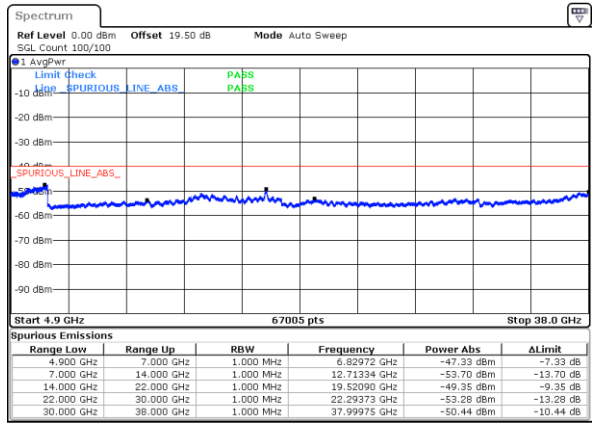


Date: 14 NOV 2024 14.42.22

#### Middle Channel / 1RB24 and 1RB0

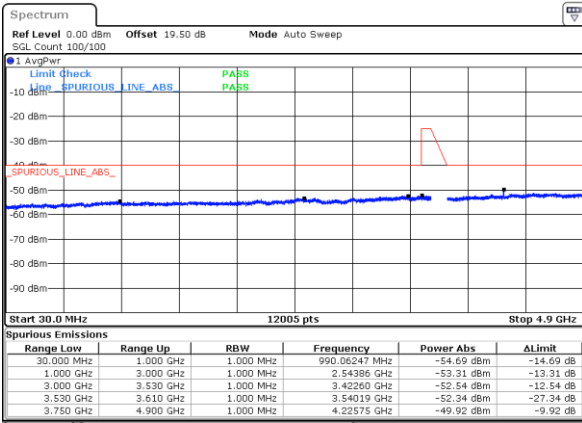


Date: 27.NOV.2024 00:13:50

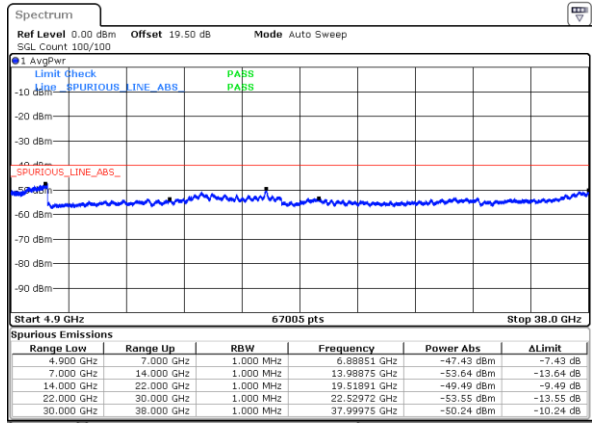


Date: 14 NOV 2024 14.44.03

#### Highest Channel / 1RB24 and 1RB0



Date: 27.NOV.2024 00:15:37



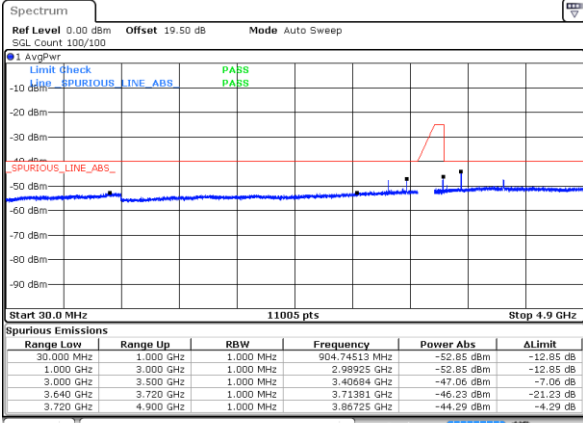
Date: 15 NOV 2024 09.29.19



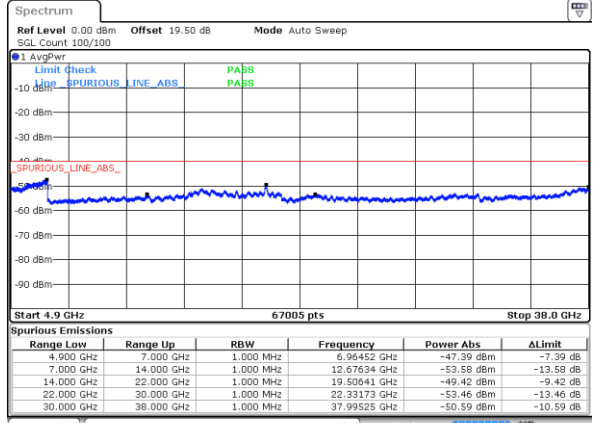
LTE Band 48C / 10MHz+20MHz

QPSK

Lowest Channel / 1RB49 and 1RB0

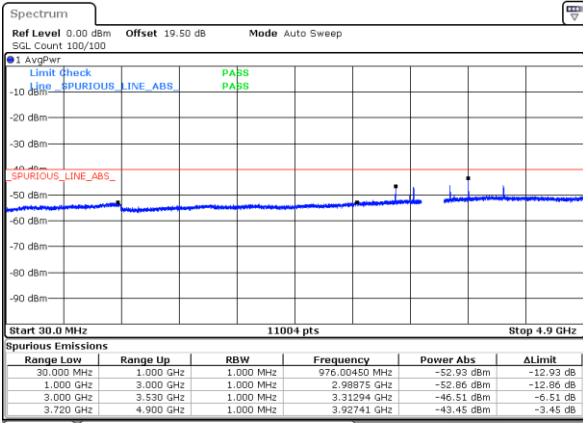


Date: 14 NOV 2024 10:59:03

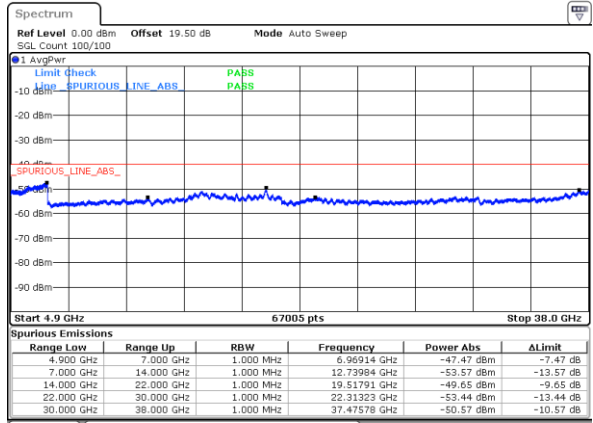


Date: 15 NOV 2024 09:32:58

Middle Channel / 1RB49 and 1RB0

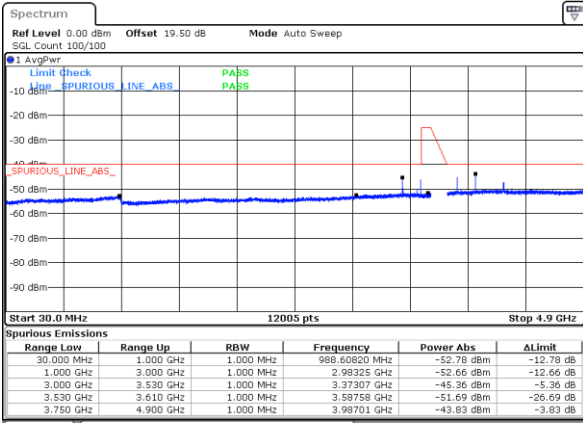


Date: 14 NOV 2024 10:58:05

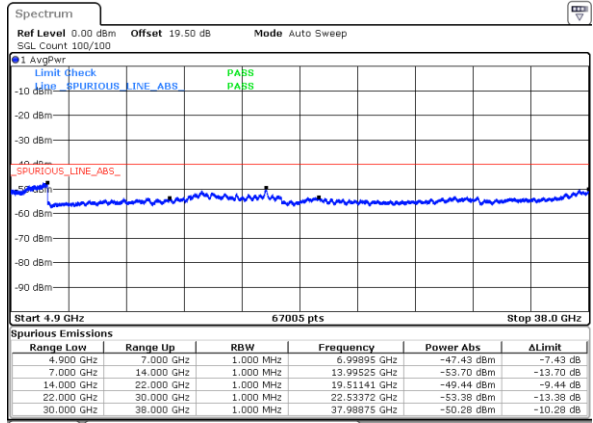


Date: 15 NOV 2024 09:34:36

Highest Channel / 1RB49 and 1RB0



Date: 14 NOV 2024 11:14:50



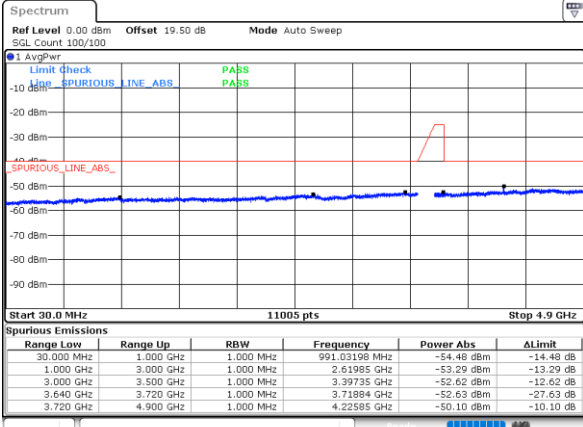
Date: 15 NOV 2024 09:37:21



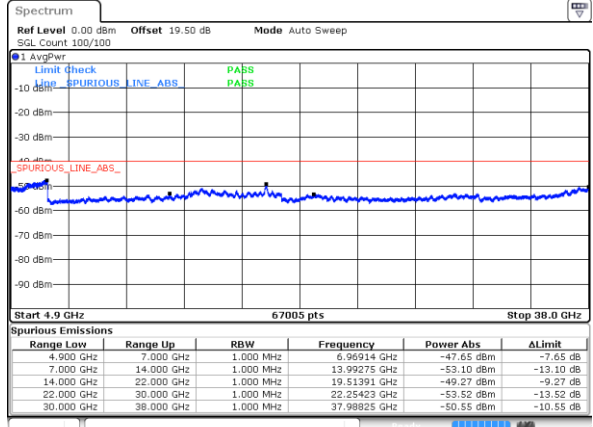
LTE Band 48C / 15MHz+20MHz

QPSK

Lowest Channel / 1RB74 and 1RB0

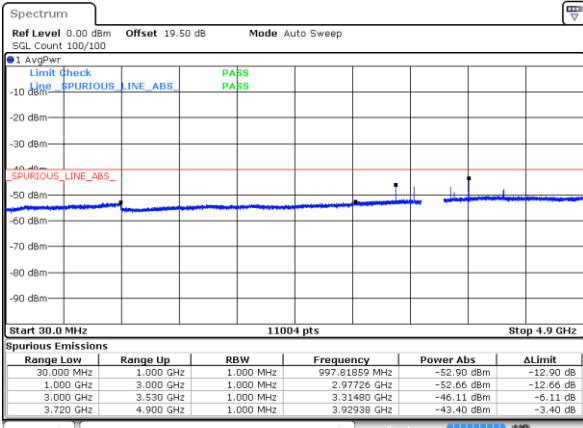


Date: 27\_Nov\_2024 00:17:47

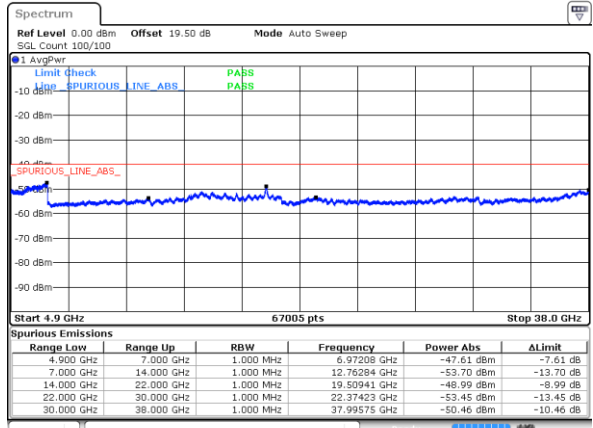


Date: 15 NOV 2024 09:27:13

Middle Channel / 1RB74 and 1RB0

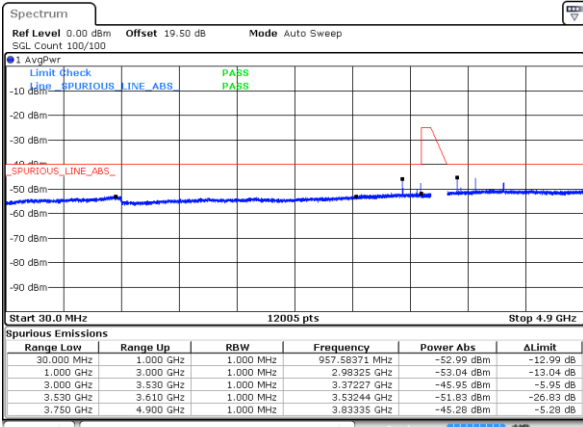


Date: 14 NOV 2024 11:37:35

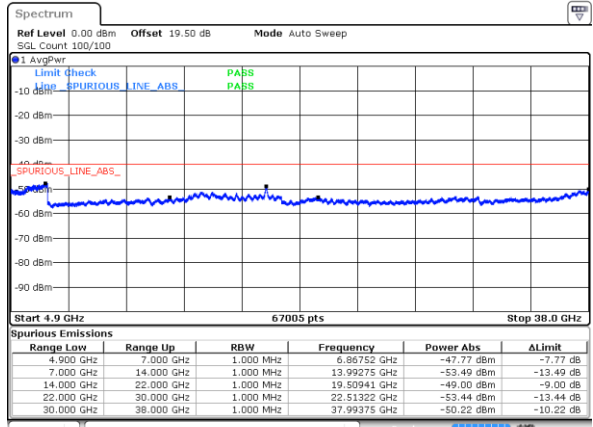


Date: 15 NOV 2024 09:24:54

Highest Channel / 1RB74 and 1RB0



Date: 14 NOV 2024 11:54:22



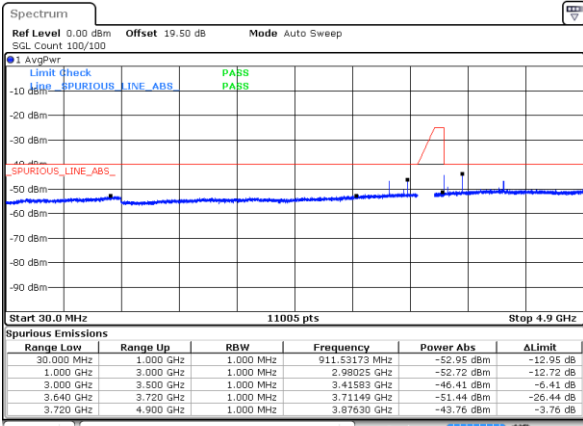
Date: 15 NOV 2024 09:23:11



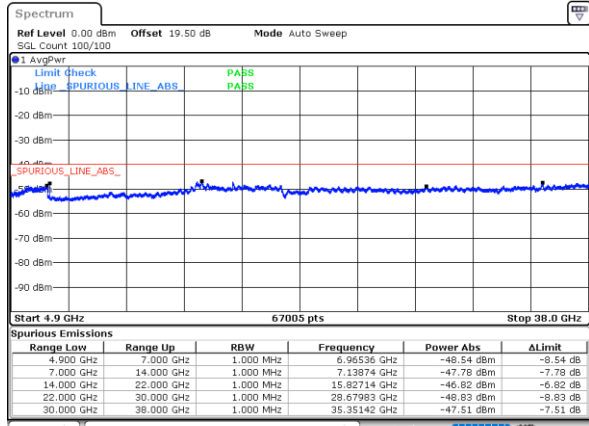
LTE Band 48C / 20MHz+5MHz

QPSK

Lowest Channel / 1RB99 and 1RB0

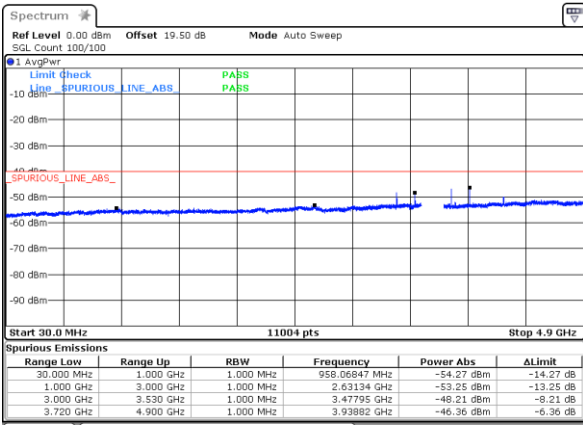


Date: 14 NOV 2024 10:39:19

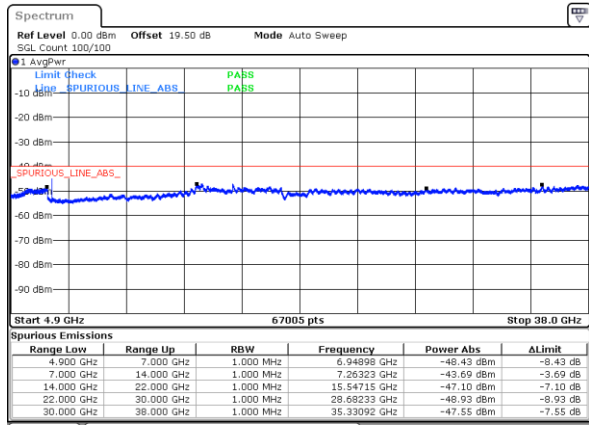


Date: 23.NOV.2024 13:43:48

Middle Channel / 1RB99 and 1RB0

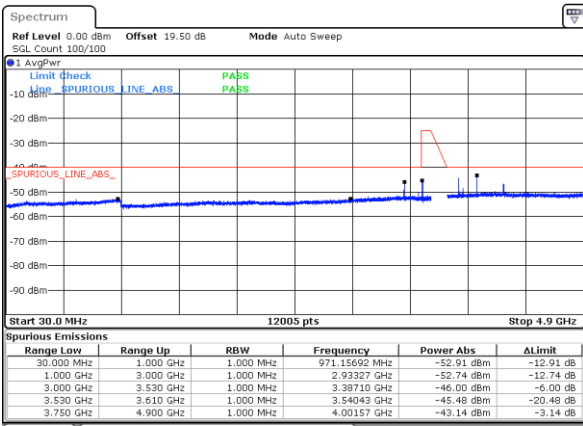


Date: 27.NOV.2024 00:19:31

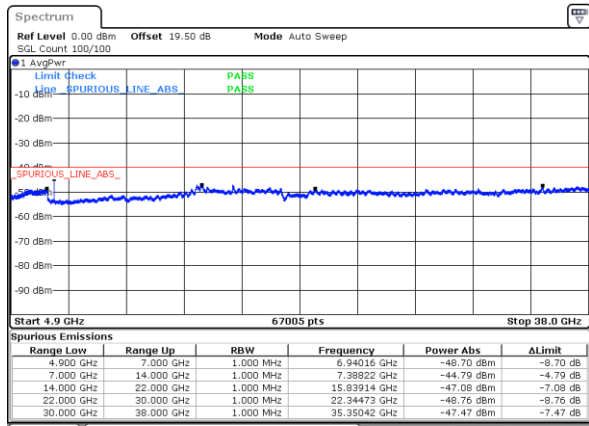


Date: 23.NOV.2024 13:42:02

Highest Channel / 1RB99 and 1RB0



Date: 14 NOV 2024 10:55:06



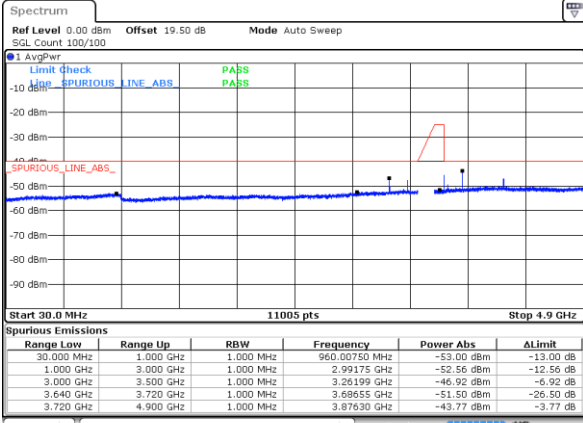
Date: 23.NOV.2024 14:09:56



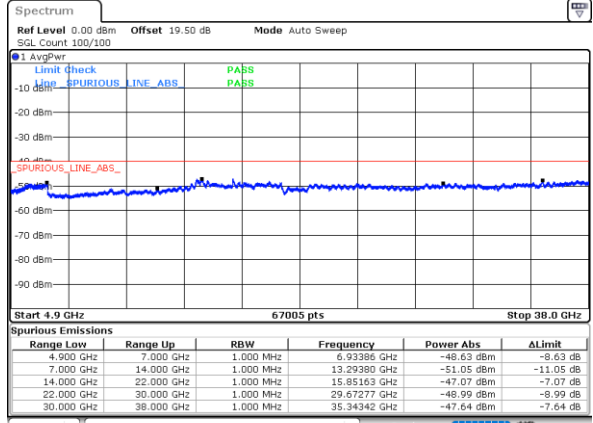
LTE Band 48C / 20MHz+10MHz

QPSK

Lowest Channel / 1RB99 and 1RB0

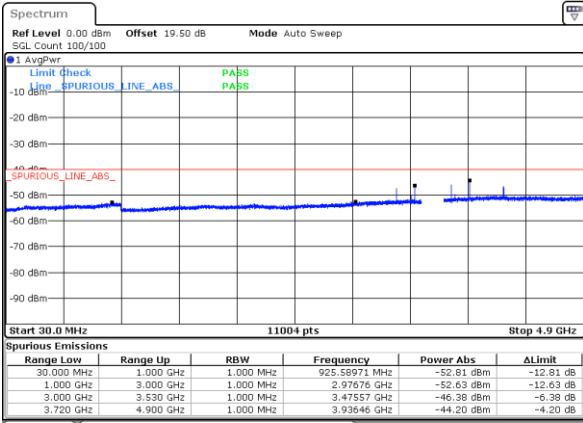


Date: 14 NOV 2024 11:18:48

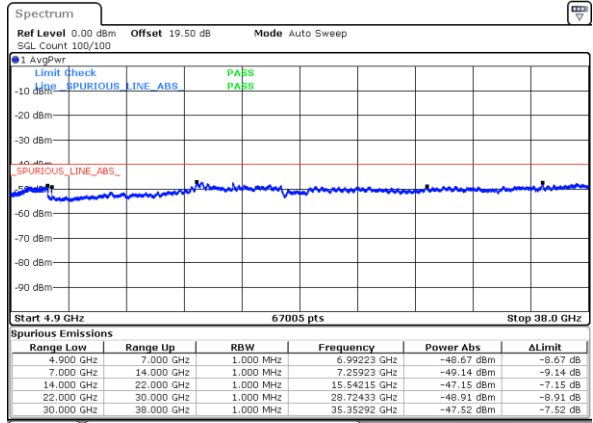


Date: 27.NOV.2024 00:22:41

Middle Channel / 1RB99 and 1RB0

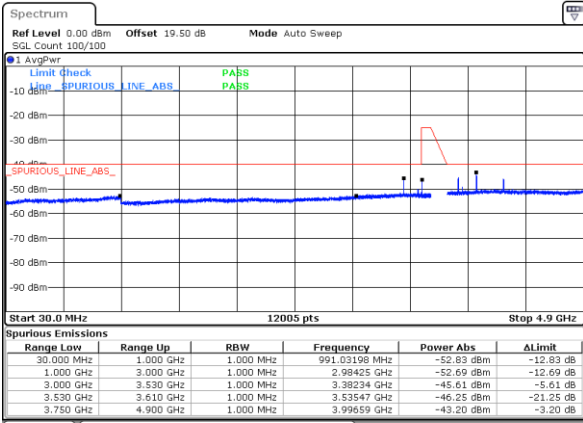


Date: 14 NOV 2024 11:17:50

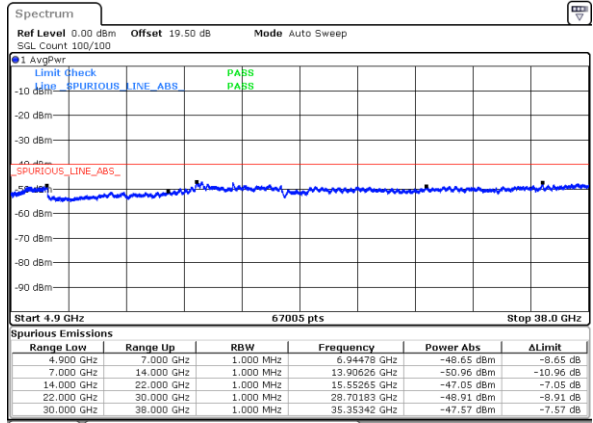


Date: 27.NOV.2024 00:22:17

Highest Channel / 1RB99 and 1RB0



Date: 14 NOV 2024 11:34:36



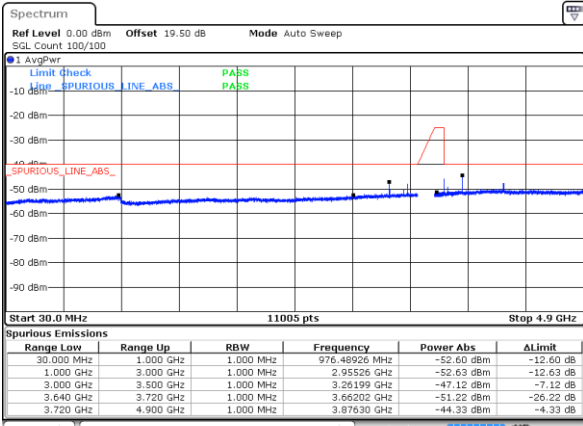
Date: 27.NOV.2024 00:25:57



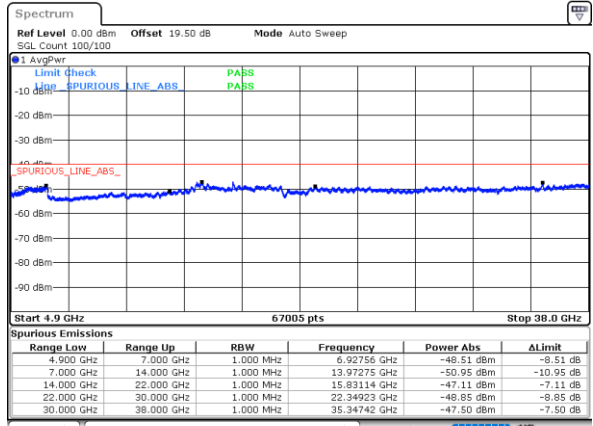
LTE Band 48C / 20MHz+15MHz

QPSK

Lowest Channel / 1RB99 and 1RB0

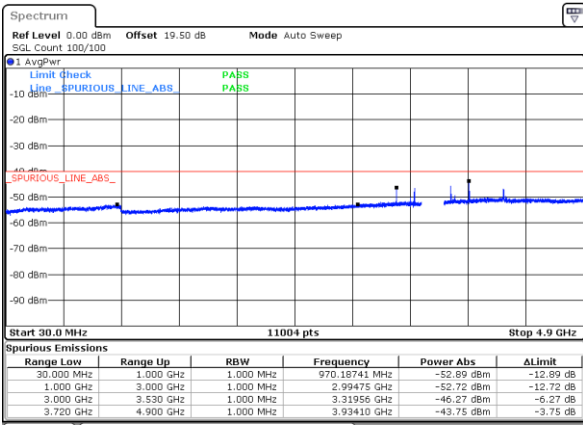


Date: 14 NOV 2024 11:58:20

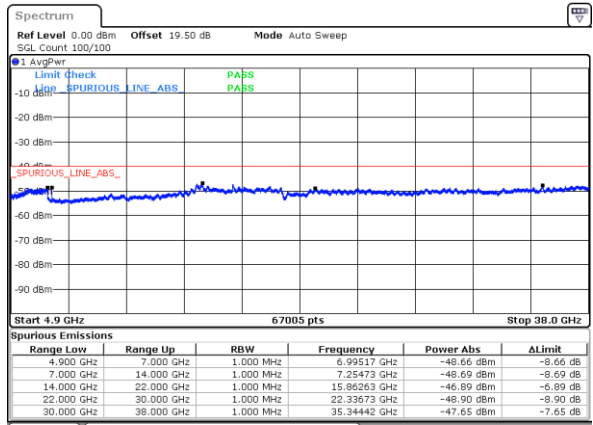


Date: 27.NOV.2024 00:28:35

Middle Channel / 1RB99 and 1RB0

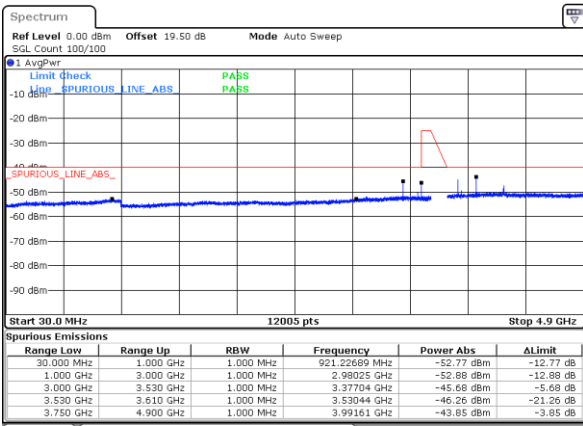


Date: 14 NOV 2024 11:57:21

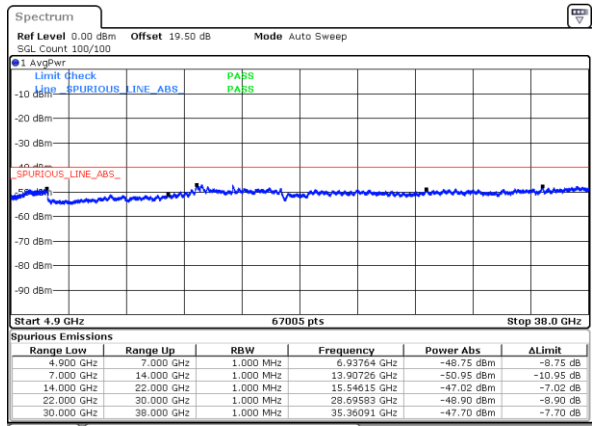


Date: 27.NOV.2024 00:30:10

Highest Channel / 1RB99 and 1RB0



Date: 14 NOV 2024 12:14:06



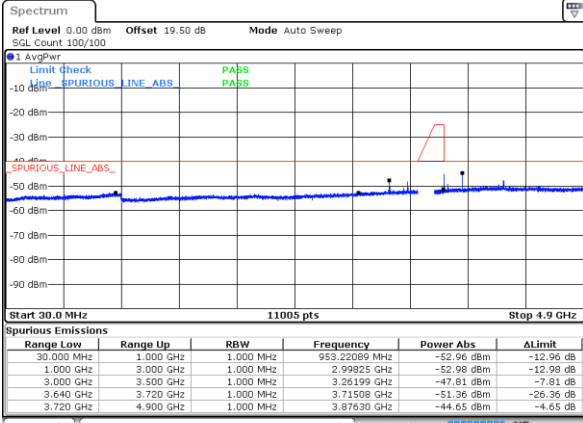
Date: 27.NOV.2024 00:32:37



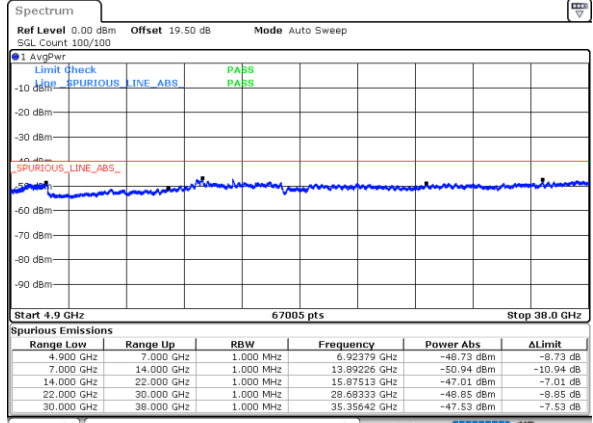
LTE Band 48C / 20MHz+20MHz

QPSK

Lowest Channel / 1RB99 and 1RB0

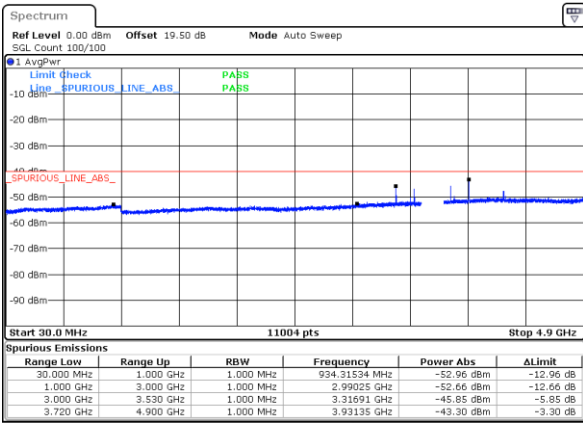


Date: 14 NOV 2024 12:17:51

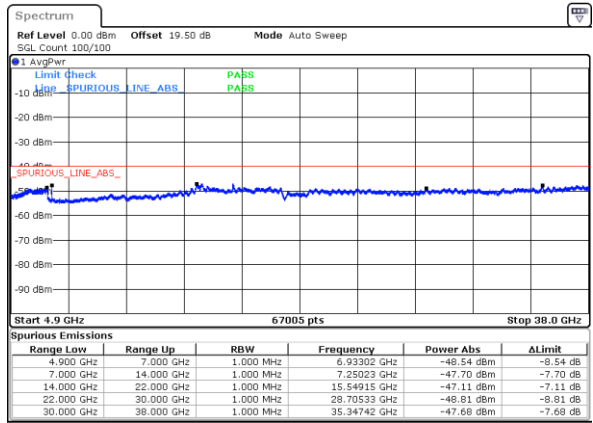


Date: 27.NOV.2024 00:13:110

Middle Channel / 1RB99 and 1RB0

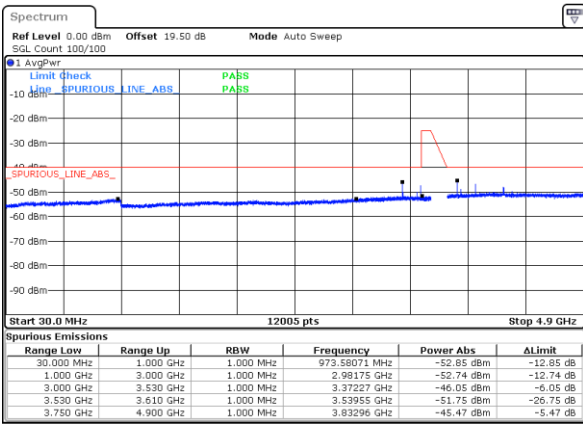


Date: 14 NOV 2024 12:16:54

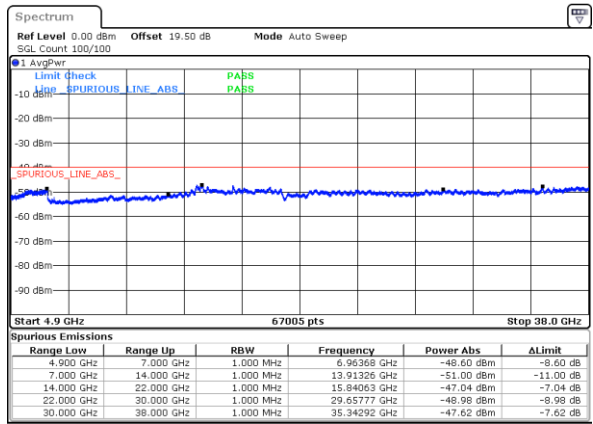


Date: 27.NOV.2024 00:13:153

Highest Channel / 1RB99 and 1RB0



Date: 14 NOV 2024 12:33:05



Date: 27.NOV.2024 00:13:802



# Appendix B. Test Results of Radiated Test

## Radiated Spurious Emission

Test Engineer :	Jake	Temperature :	21~25°C
		Relative Humidity :	51~53%

RSE pretest all the supported Antennas, only the worst results are shown in the report.

LTE Band 48 / 20MHz / QPSK / Ant.9								
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)
Lowest	7104	-43.35	-40	-3.35	-54.81	2.84	14.30	H
	10656	-44.73	-40	-4.73	-54.67	3.49	13.43	H
	14208	-59.38	-40	-19.38	-69.62	3.85	14.09	H
	7104	-43.11	-40	-3.11	-54.57	2.84	14.30	V
	10656	-45.89	-40	-5.89	-55.83	3.49	13.43	V
	14208	-59.76	-40	-19.76	-70.00	3.85	14.09	V
Middle	7236	-53.38	-40	-13.38	-64.84	2.84	14.30	H
	10848	-44.91	-40	-4.91	-54.85	3.49	13.43	H
	14460	-59.01	-40	-19.01	-69.25	3.85	14.09	H
	7236	-53.73	-40	-13.73	-65.19	2.84	14.30	V
	10848	-45.61	-40	-5.61	-55.55	3.49	13.43	V
	14460	-59.54	-40	-19.54	-69.78	3.85	14.09	V
Highest	7356	-50.20	-40	-10.20	-61.66	2.84	14.30	H
	11040	-46.41	-40	-6.41	-56.35	3.49	13.43	H
	14724	-59.72	-40	-19.72	-69.96	3.85	14.09	H
	7356	-49.12	-40	-9.12	-60.58	2.84	14.30	V
	11040	-46.66	-40	-6.66	-56.60	3.49	13.43	V
	14724	-59.81	-40	-19.81	-70.05	3.85	14.09	V

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



LTE Band 48 / 20MHz / QPSK / Ant.9---Other PA								
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)
Lowest	7104	-60.41	-40	-20.41	-71.87	2.84	14.30	H
	10656	-60.12	-40	-20.12	-70.06	3.49	13.43	H
	14208	-59.94	-40	-19.94	-70.18	3.85	14.09	H
	7104	-58.62	-40	-18.62	-70.08	2.84	14.30	V
	10656	-61.56	-40	-21.56	-71.50	3.49	13.43	V
	14208	-60.10	-40	-20.10	-70.34	3.85	14.09	V
Middle	7236	-60.57	-40	-20.57	-72.03	2.84	14.30	H
	10848	-59.78	-40	-19.78	-69.72	3.49	13.43	H
	14460	-59.88	-40	-19.88	-70.12	3.85	14.09	H
	7236	-59.15	-40	-19.15	-70.61	2.84	14.30	V
	10848	-60.12	-40	-20.12	-70.06	3.49	13.43	V
	14460	-60.23	-40	-20.23	-70.47	3.85	14.09	V
Highest	7356	-57.38	-40	-17.38	-68.84	2.84	14.30	H
	11040	-58.75	-40	-18.75	-68.69	3.49	13.43	H
	14724	-60.38	-40	-20.38	-70.62	3.85	14.09	H
	7356	-57.59	-40	-17.59	-69.05	2.84	14.30	V
	11040	-57.88	-40	-17.88	-67.82	3.49	13.43	V
	14724	-60.33	-40	-20.33	-70.57	3.85	14.09	V

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

LTE CA_48B PCC / 10M+10M / QPSK / Ant.9								
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)
Lowest	7275	-61.06	-40	-21.06	-72.52	2.84	14.30	H
	10916	-59.64	-40	-19.64	-69.58	3.49	13.43	H
	14557	-59.76	-40	-19.76	-70.00	3.85	14.09	H
	7116	-62.22	-40	-22.22	-73.68	2.84	14.30	V
	10680	-61.11	-40	-21.11	-71.05	3.49	13.43	V
	14244	-60.41	-40	-20.41	-70.65	3.85	14.09	V
Middle	7272	-62.43	-40	-22.43	-73.89	2.84	14.30	H
	10920	-60.29	-40	-20.29	-70.23	3.49	13.43	H
	14556	-59.53	-40	-19.53	-69.77	3.85	14.09	H
	7296	-61.99	-40	-21.99	-73.45	2.84	14.30	V
	10944	-60.31	-40	-20.31	-70.25	3.49	13.43	V
	14592	-59.60	-40	-19.60	-69.84	3.85	14.09	V
Highest	7356	-61.32	-40	-21.32	-72.78	2.84	14.30	H
	11040	-59.93	-40	-19.93	-69.87	3.49	13.43	H
	14724	-60.12	-40	-20.12	-70.36	3.85	14.09	H
	7275	-60.62	-40	-20.62	-72.08	2.84	14.30	V
	10916	-59.42	-40	-19.42	-69.36	3.49	13.43	V
	14557	-59.87	-40	-19.87	-70.11	3.85	14.09	V

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



LTE CA_48B SCC / 10M+10M / QPSK / Ant.9								
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)
Lowest	7104	-59.39	-40	-19.39	-70.85	2.84	14.30	H
	10656	-61.34	-40	-21.34	-71.28	3.49	13.43	H
	14208	-60.20	-40	-20.20	-70.44	3.85	14.09	H
	7116	-62.84	-40	-22.84	-74.30	2.84	14.30	V
	10680	-61.13	-40	-21.13	-71.07	3.49	13.43	V
	14244	-60.27	-40	-20.27	-70.51	3.85	14.09	V
Middle	7272	-59.84	-40	-19.84	-71.30	2.84	14.30	H
	10920	-60.20	-40	-20.20	-70.14	3.49	13.43	H
	14556	-59.82	-40	-19.82	-70.06	3.85	14.09	H
	7296	-61.84	-40	-21.84	-73.30	2.84	14.30	V
	10944	-60.37	-40	-20.37	-70.31	3.49	13.43	V
	14592	-59.62	-40	-19.62	-69.86	3.85	14.09	V
Highest	7356	-62.85	-40	-22.85	-74.31	2.84	14.30	H
	11040	-59.71	-40	-19.71	-69.65	3.49	13.43	H
	14724	-60.19	-40	-20.19	-70.43	3.85	14.09	H
	7380	-62.17	-40	-22.17	-73.63	2.84	14.30	V
	11076	-60.02	-40	-20.02	-69.96	3.49	13.43	V
	14760	-59.68	-40	-19.68	-69.92	3.85	14.09	V

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

LTE CA_48C PCC / 20M+20M / QPSK / Ant.9								
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)
Lowest	7104	-58.38	-40	-18.38	-69.84	2.84	14.30	H
	10656	-60.73	-40	-20.73	-70.67	3.49	13.43	H
	14208	-60.10	-40	-20.10	-70.34	3.85	14.09	H
	7104	-58.60	-40	-18.60	-70.06	2.84	14.30	V
	10656	-60.70	-40	-20.70	-70.64	3.49	13.43	V
	14208	-60.16	-40	-20.16	-70.40	3.85	14.09	V
Middle	7176	-59.20	-40	-19.20	-70.66	2.84	14.30	H
	10776	-59.99	-40	-19.99	-69.93	3.49	13.43	H
	14364	-59.54	-40	-19.54	-69.78	3.85	14.09	H
	7176	-61.03	-40	-21.03	-72.49	2.84	14.30	V
	10776	-59.95	-40	-19.95	-69.89	3.49	13.43	V
	14364	-59.61	-40	-19.61	-69.85	3.85	14.09	V
Highest	7224	-62.10	-40	-22.10	-73.56	2.84	14.30	H
	10836	-59.44	-40	-19.44	-69.38	3.49	13.43	H
	14448	-59.44	-40	-19.44	-69.68	3.85	14.09	H
	7224	-60.56	-40	-20.56	-72.02	2.84	14.30	V
	10836	-59.82	-40	-19.82	-69.76	3.49	13.43	V
	14448	-60.28	-40	-20.28	-70.52	3.85	14.09	V

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



LTE CA_48C SCC / 20M+20M / QPSK / Ant.9								
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)
Lowest	7140	-62.38	-40	-22.38	-73.84	2.84	14.30	H
	10716	-60.49	-40	-20.49	-70.43	3.49	13.43	H
	14280	-60.34	-40	-20.34	-70.58	3.85	14.09	H
	7140	-62.87	-40	-22.87	-74.33	2.84	14.30	V
	10716	-60.69	-40	-20.69	-70.63	3.49	13.43	V
	14280	-60.34	-40	-20.34	-70.58	3.85	14.09	V
Middle	7224	-62.63	-40	-22.63	-74.09	2.84	14.30	H
	10836	-59.40	-40	-19.40	-69.34	3.49	13.43	H
	14448	-60.16	-40	-20.16	-70.40	3.85	14.09	H
	7224	-62.29	-40	-22.29	-73.75	2.84	14.30	V
	10836	-59.76	-40	-19.76	-69.70	3.49	13.43	V
	14448	-60.11	-40	-20.11	-70.35	3.85	14.09	V
Highest	7260	-62.29	-40	-22.29	-73.75	2.84	14.30	H
	10896	-59.72	-40	-19.72	-69.66	3.49	13.43	H
	14520	-59.89	-40	-19.89	-70.13	3.85	14.09	H
	7260	-62.37	-40	-22.37	-73.83	2.84	14.30	V
	10896	-59.66	-40	-19.66	-69.60	3.49	13.43	V
	14520	-59.66	-40	-19.66	-69.90	3.85	14.09	V

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