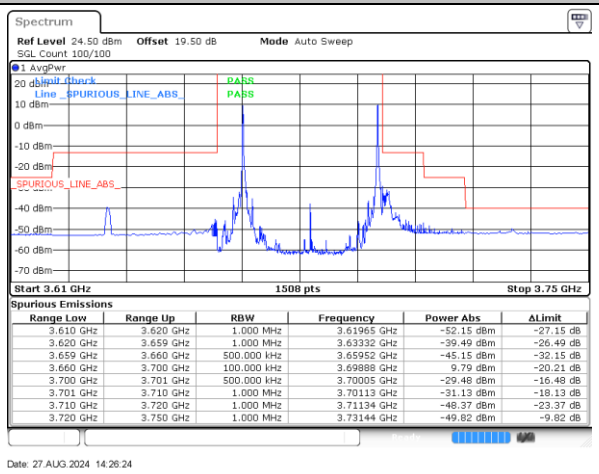
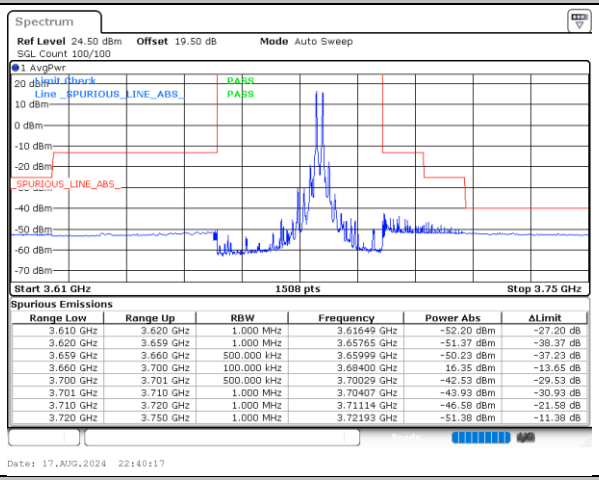
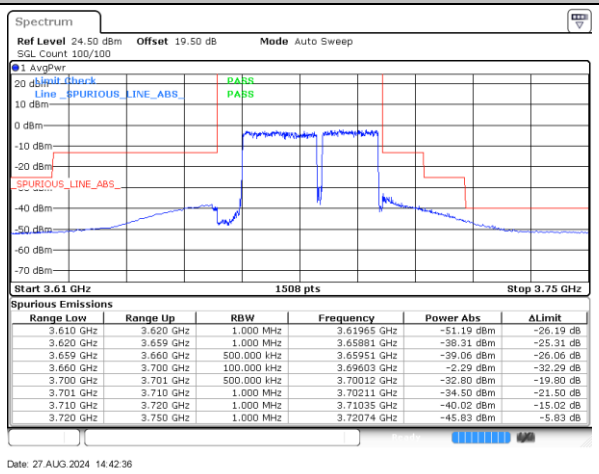
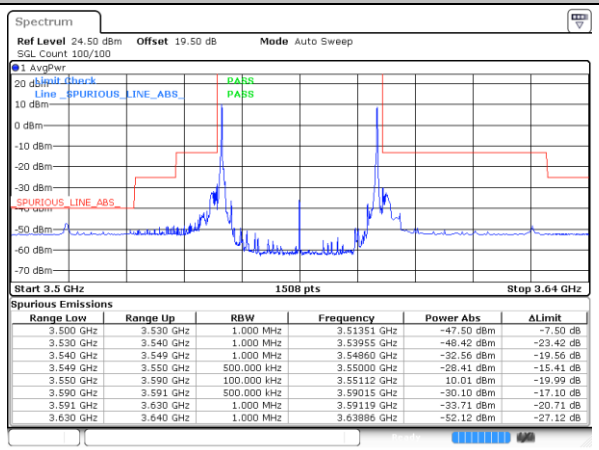
LTE Band 48C / 20MHz+15MHz	
64QAM	
Highest Band Edge / 1RB0 and 1RB74	N/A
	
Highest Band Edge / 1RB99 and 1RB0	N/A
	
Highest Band Edge / Full RB	N/A
	

LTE Band 48C / 20MHz+20MHz

64QAM

Lowest Band Edge / 1RB0 and 1RB99

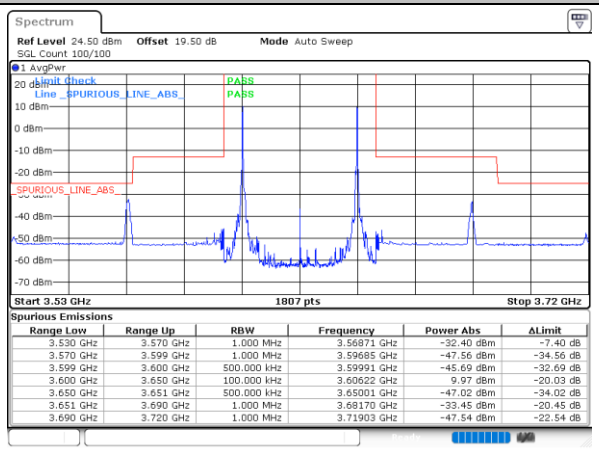


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.51351 GHz	-47.50 dBm	-7.50 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53955 GHz	-48.42 dBm	-23.42 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54860 GHz	-32.56 dBm	-19.56 dB
3.549 GHz	3.550 GHz	500.000 kHz	3.55000 GHz	-28.41 dBm	-15.41 dB
3.550 GHz	3.590 GHz	100.000 kHz	3.55112 GHz	10.01 dBm	-19.99 dB
3.590 GHz	3.591 GHz	500.000 kHz	3.59015 GHz	-30.10 dBm	-17.10 dB
3.591 GHz	3.630 GHz	1.000 MHz	3.59119 GHz	-33.71 dBm	-20.71 dB
3.630 GHz	3.640 GHz	1.000 MHz	3.63886 GHz	-52.12 dBm	-27.12 dB

Date: 27.AUG.2024 14:53:14

Middle Band Edge / 1RB0 and 1RB99

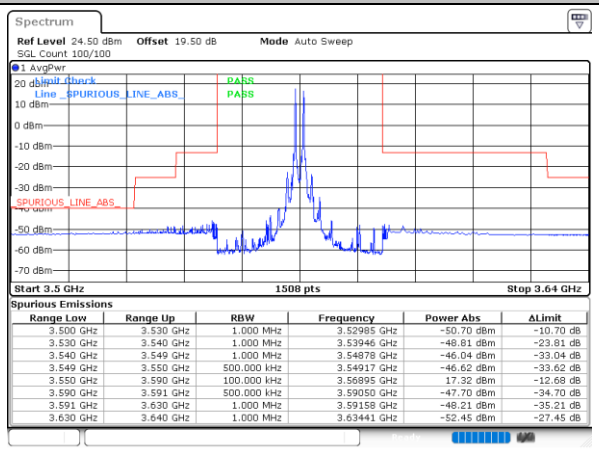


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.570 GHz	1.000 MHz	3.56871 GHz	-32.40 dBm	-7.40 dB
3.570 GHz	3.599 GHz	1.000 MHz	3.59685 GHz	-47.56 dBm	-34.56 dB
3.599 GHz	3.600 GHz	500.000 kHz	3.59991 GHz	-45.69 dBm	-32.69 dB
3.600 GHz	3.650 GHz	100.000 kHz	3.60622 GHz	9.97 dBm	-20.03 dB
3.650 GHz	3.651 GHz	500.000 kHz	3.65001 GHz	-47.02 dBm	-34.02 dB
3.651 GHz	3.690 GHz	1.000 MHz	3.68170 GHz	-33.45 dBm	-20.45 dB
3.690 GHz	3.720 GHz	1.000 MHz	3.71903 GHz	-47.54 dBm	-22.54 dB

Date: 17.AUG.2024 23:30:14

Lowest Band Edge / 1RB99 and 1RB0

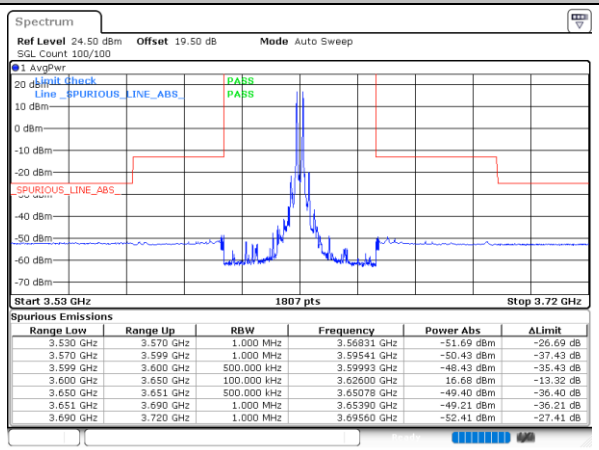


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52985 GHz	-50.70 dBm	-10.70 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53946 GHz	-48.81 dBm	-23.81 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54878 GHz	-46.04 dBm	-33.04 dB
3.549 GHz	3.550 GHz	500.000 kHz	3.54917 GHz	-46.62 dBm	-33.62 dB
3.550 GHz	3.590 GHz	100.000 kHz	3.56895 GHz	17.32 dBm	-12.68 dB
3.590 GHz	3.591 GHz	500.000 kHz	3.59050 GHz	-47.70 dBm	-34.70 dB
3.591 GHz	3.630 GHz	1.000 MHz	3.59158 GHz	-48.21 dBm	-35.21 dB
3.630 GHz	3.640 GHz	1.000 MHz	3.63441 GHz	-52.45 dBm	-27.45 dB

Date: 17.AUG.2024 23:40:28

Middle Band Edge / 1RB99 and 1RB0

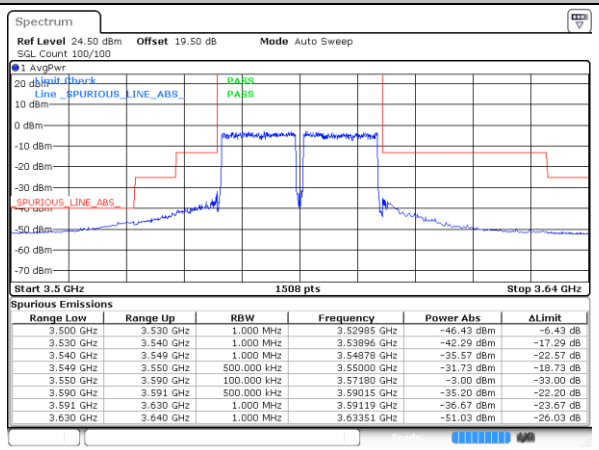


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.570 GHz	1.000 MHz	3.56831 GHz	-51.69 dBm	-26.69 dB
3.570 GHz	3.599 GHz	1.000 MHz	3.59541 GHz	-50.43 dBm	-37.43 dB
3.599 GHz	3.600 GHz	500.000 kHz	3.59993 GHz	-48.43 dBm	-35.43 dB
3.600 GHz	3.650 GHz	100.000 kHz	3.62600 GHz	16.68 dBm	-13.32 dB
3.650 GHz	3.651 GHz	500.000 kHz	3.65078 GHz	-49.40 dBm	-36.40 dB
3.651 GHz	3.690 GHz	1.000 MHz	3.65390 GHz	-49.21 dBm	-36.21 dB
3.690 GHz	3.720 GHz	1.000 MHz	3.69560 GHz	-52.41 dBm	-27.41 dB

Date: 17.AUG.2024 23:36:33

Lowest Band Edge / Full RB

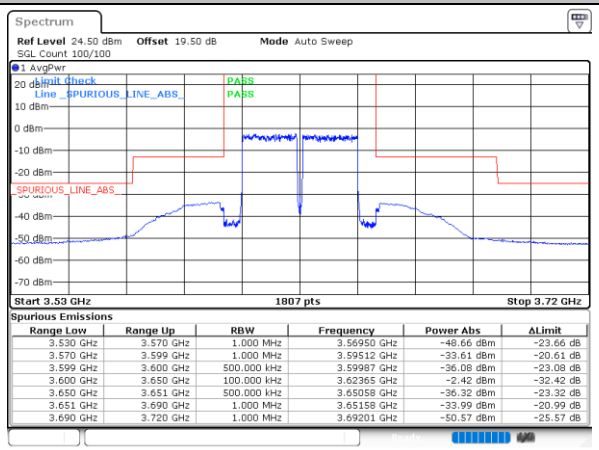


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.500 GHz	3.530 GHz	1.000 MHz	3.52985 GHz	-46.43 dBm	-6.43 dB
3.530 GHz	3.540 GHz	1.000 MHz	3.53896 GHz	-42.29 dBm	-17.29 dB
3.540 GHz	3.549 GHz	1.000 MHz	3.54878 GHz	-35.57 dBm	-22.57 dB
3.549 GHz	3.550 GHz	500.000 kHz	3.55000 GHz	-31.73 dBm	-18.73 dB
3.550 GHz	3.590 GHz	100.000 kHz	3.57180 GHz	-3.00 dBm	-33.00 dB
3.590 GHz	3.591 GHz	500.000 kHz	3.59015 GHz	-35.20 dBm	-22.20 dB
3.591 GHz	3.630 GHz	1.000 MHz	3.59119 GHz	-36.67 dBm	-23.67 dB
3.630 GHz	3.640 GHz	1.000 MHz	3.63351 GHz	-51.03 dBm	-26.03 dB

Date: 27.AUG.2024 14:50:37

Middle Band Edge / Full RB

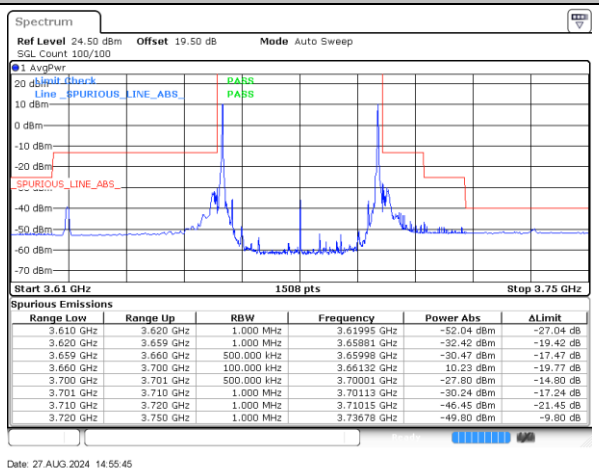


Spurious Emissions

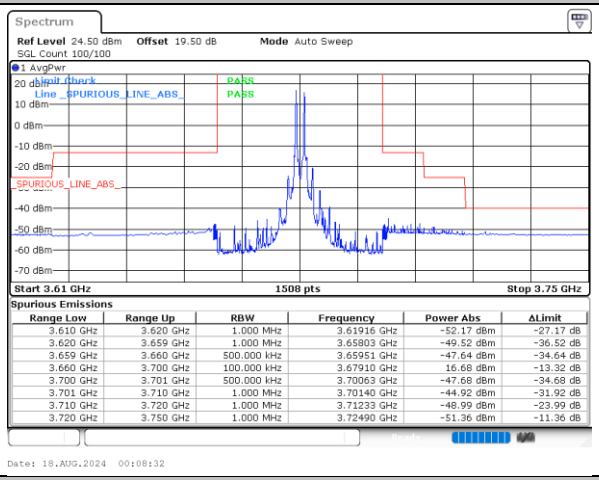
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
3.530 GHz	3.570 GHz	1.000 MHz	3.56950 GHz	-48.66 dBm	-23.66 dB
3.570 GHz	3.599 GHz	1.000 MHz	3.59512 GHz	-33.61 dBm	-20.61 dB
3.599 GHz	3.600 GHz	500.000 kHz	3.59987 GHz	-36.08 dBm	-23.08 dB
3.600 GHz	3.650 GHz	100.000 kHz	3.62365 GHz	-2.42 dBm	-32.42 dB
3.650 GHz	3.651 GHz	500.000 kHz	3.65058 GHz	-36.32 dBm	-23.32 dB
3.651 GHz	3.690 GHz	1.000 MHz	3.65158 GHz	-33.99 dBm	-20.99 dB
3.690 GHz	3.720 GHz	1.000 MHz	3.69201 GHz	-50.57 dBm	-25.57 dB

Date: 17.AUG.2024 23:28:57

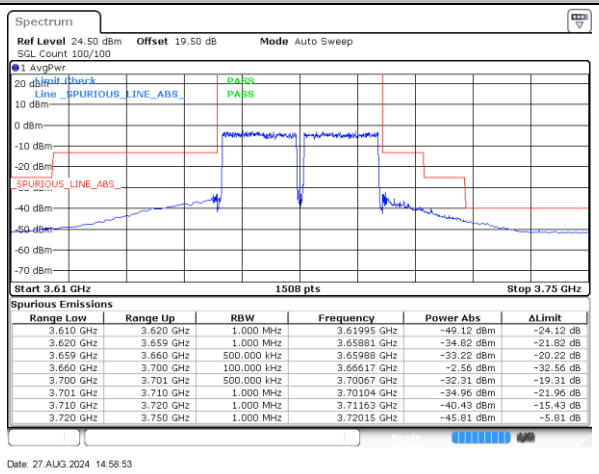
LTE Band 48C / 20MHz+20MHz	
64QAM	
Highest Band Edge / 1RB0 and 1RB99	N/A



Highest Band Edge / 1RB99 and 1RB0	N/A



Highest Band Edge / Full RB	N/A

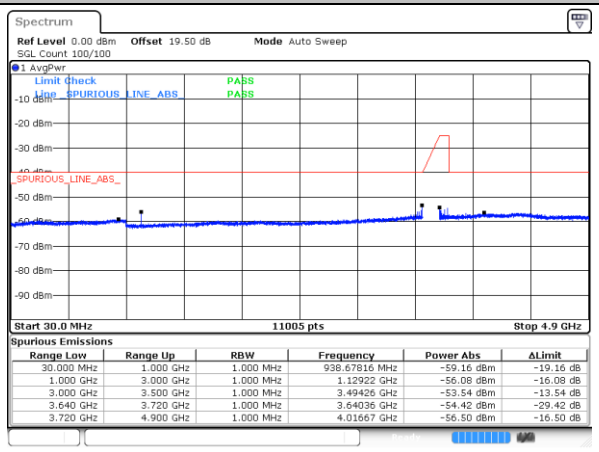


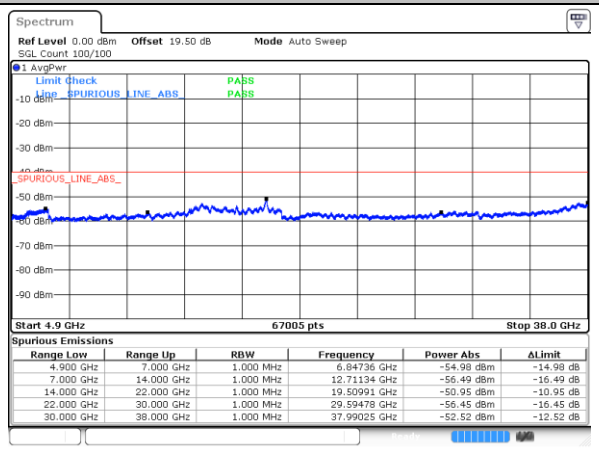
Conducted Spurious Emission

LTE Band 48C / 5MHz+20MHz

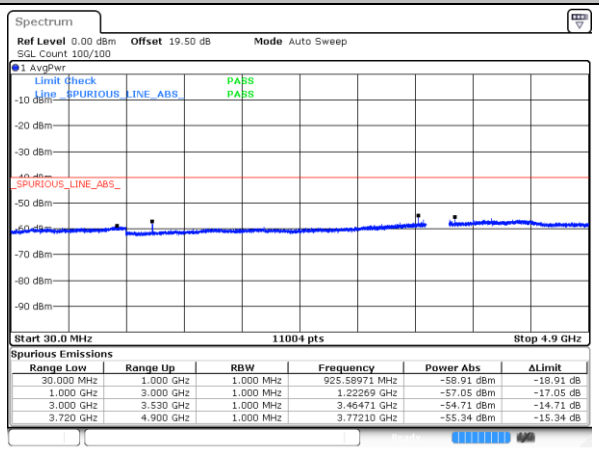
QPSK

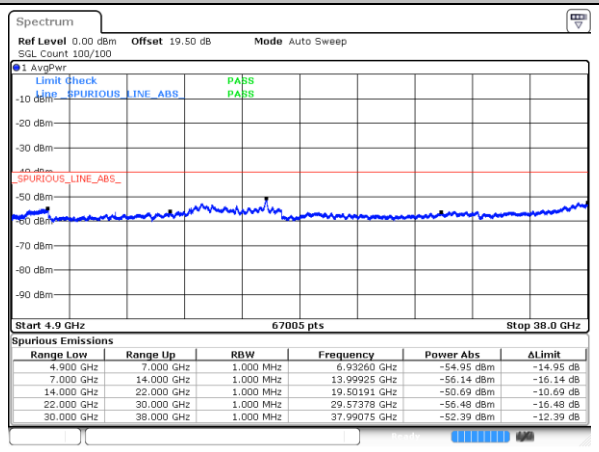
Lowest Channel / 1RB24 and 1RB0



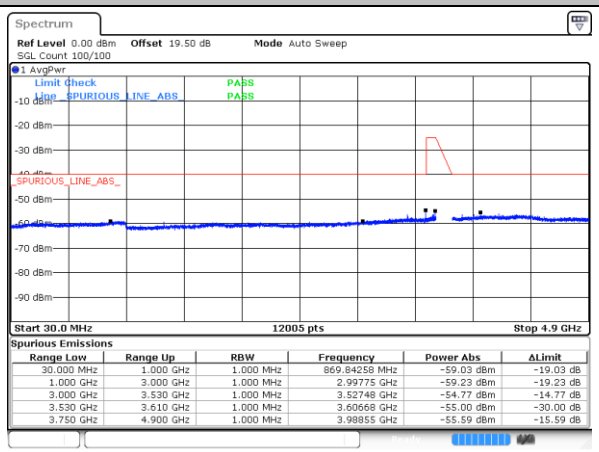


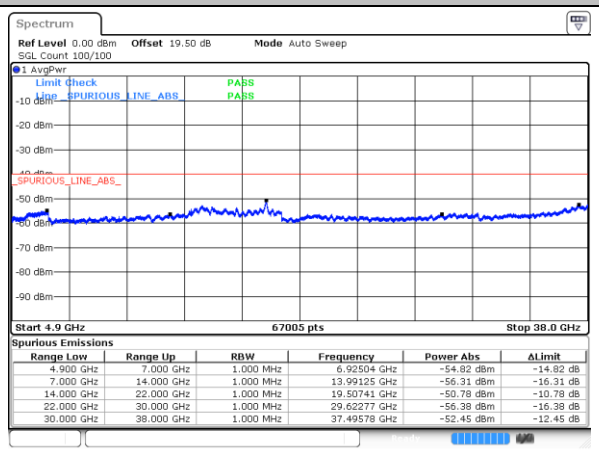
Middle Channel / 1RB24 and 1RB0





Highest Channel / 1RB24 and 1RB0

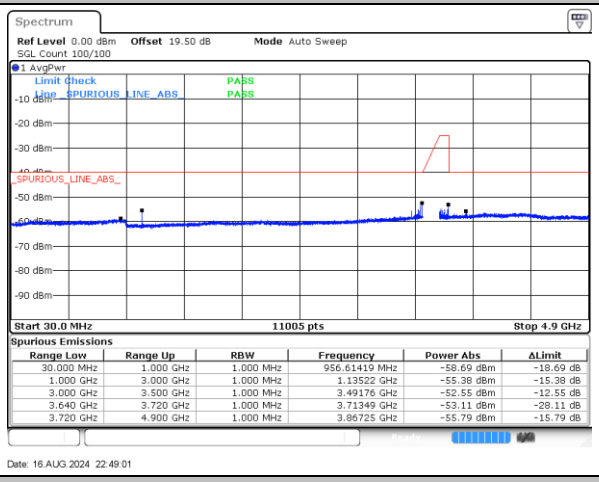


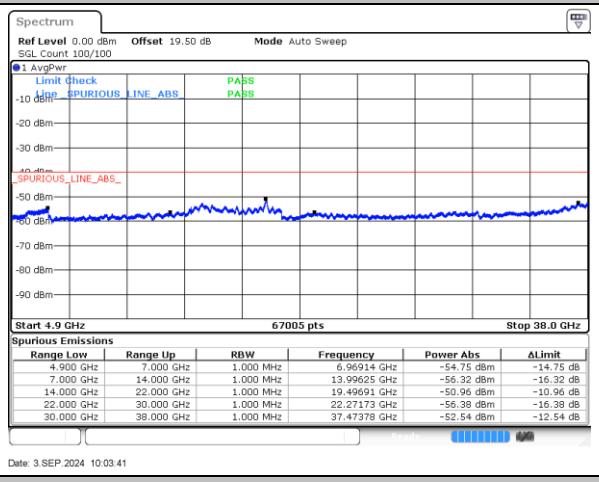


LTE Band 48C / 10MHz+20MHz

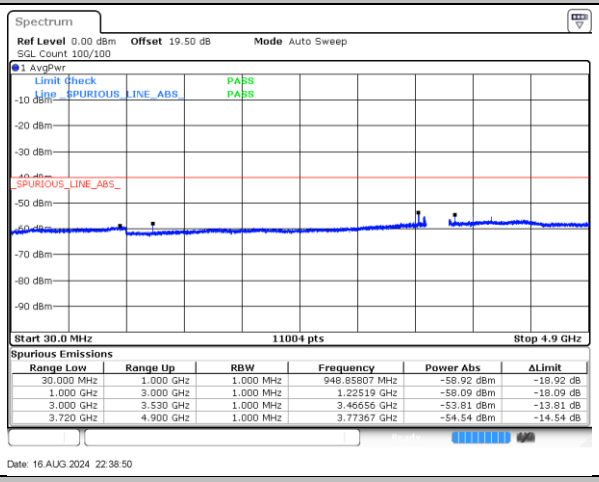
QPSK

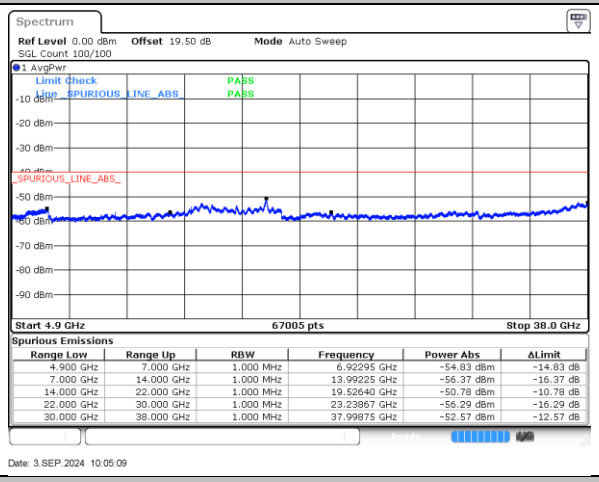
Lowest Channel / 1RB49 and 1RB0



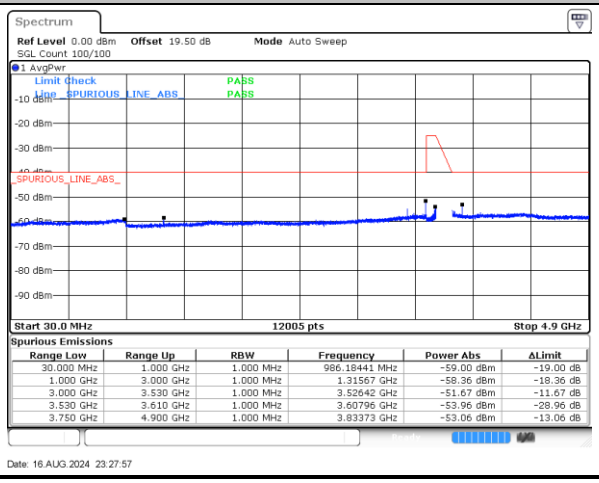


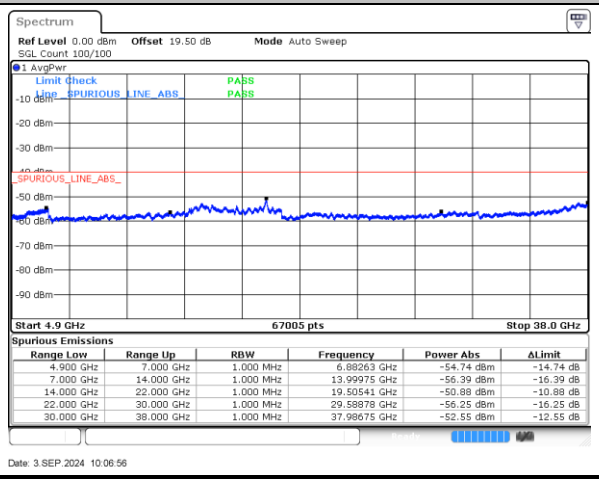
Middle Channel / 1RB49 and 1RB0





Highest Channel / 1RB49 and 1RB0

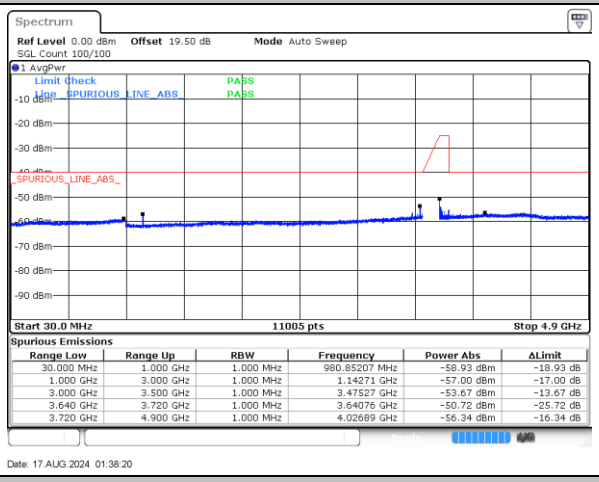


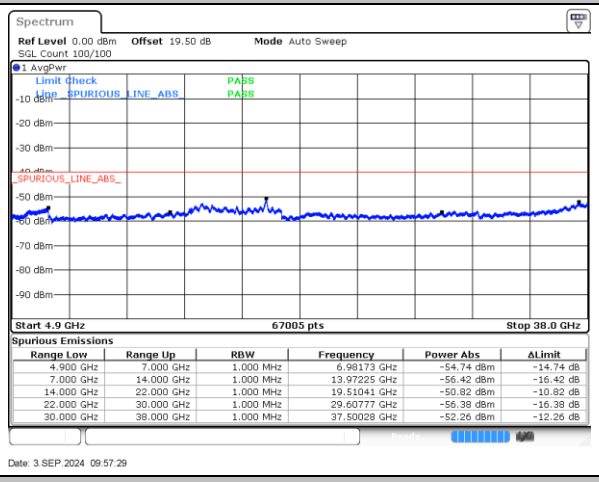


LTE Band 48C / 15MHz+20MHz

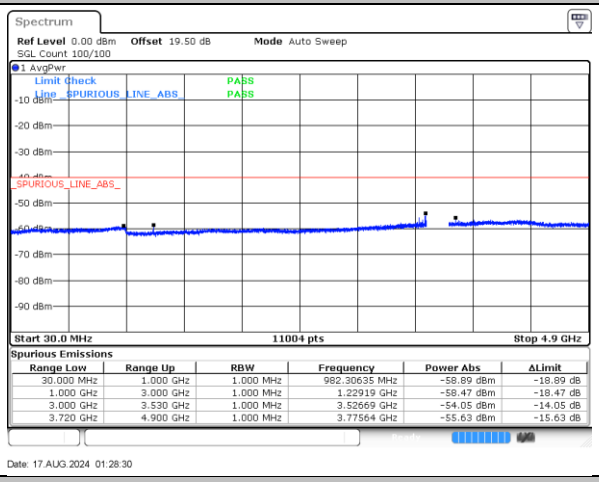
QPSK

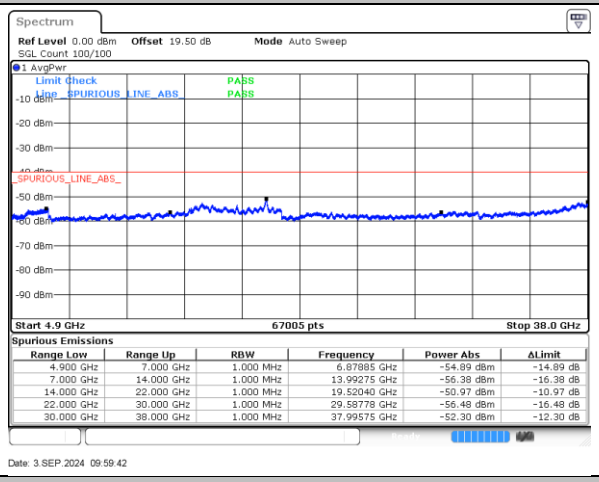
Lowest Channel / 1RB74 and 1RB0



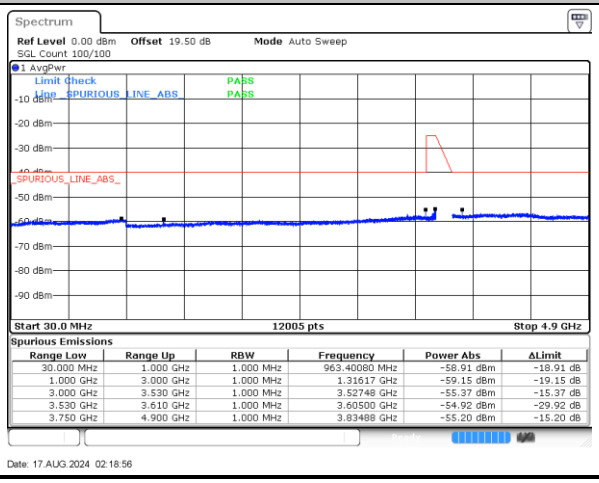


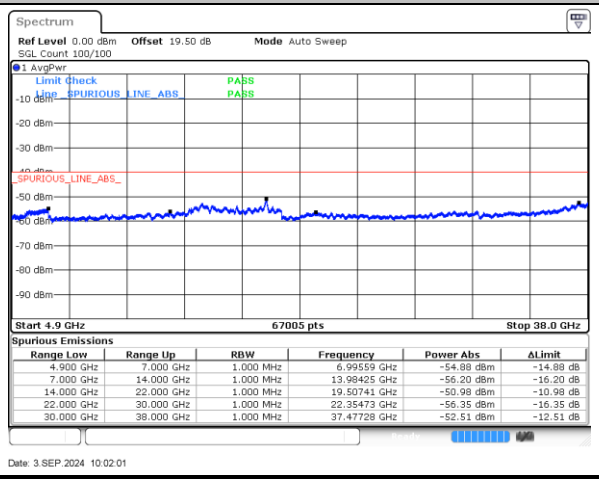
Middle Channel / 1RB74 and 1RB0





Highest Channel / 1RB74 and 1RB0

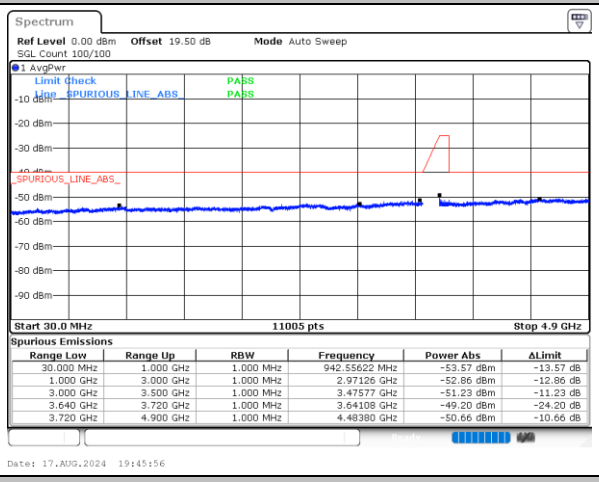


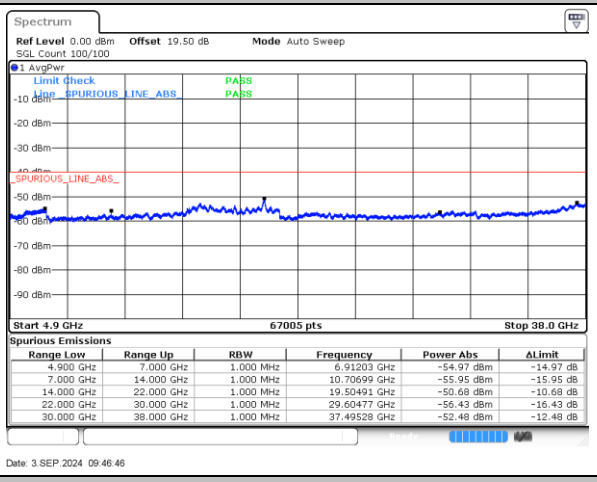


LTE Band 48C / 20MHz+5MHz

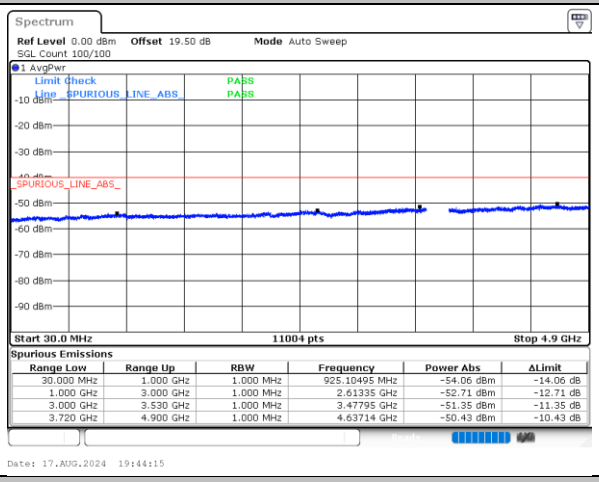
QPSK

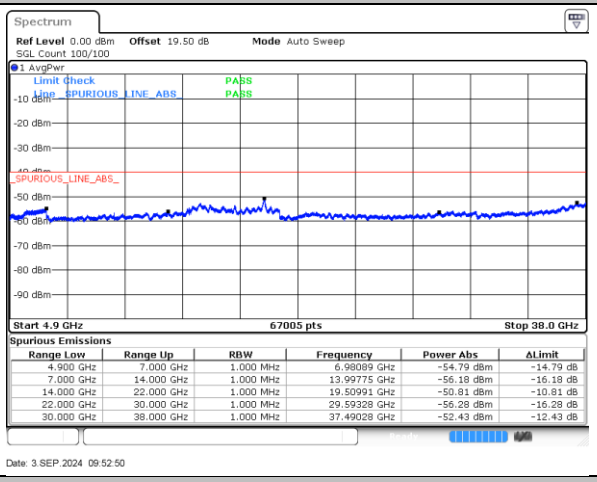
Lowest Channel / 1RB99 and 1RB0



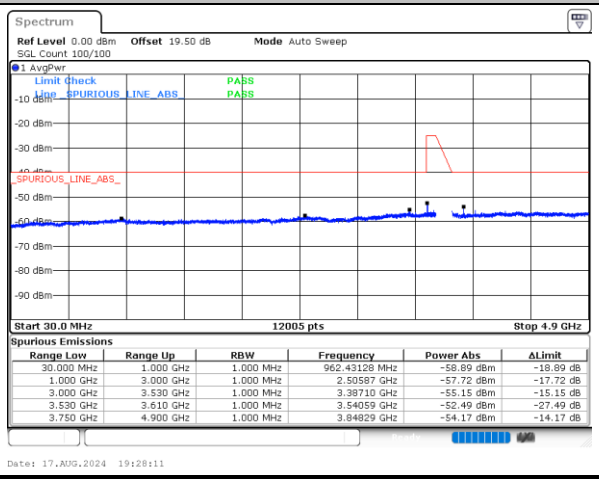


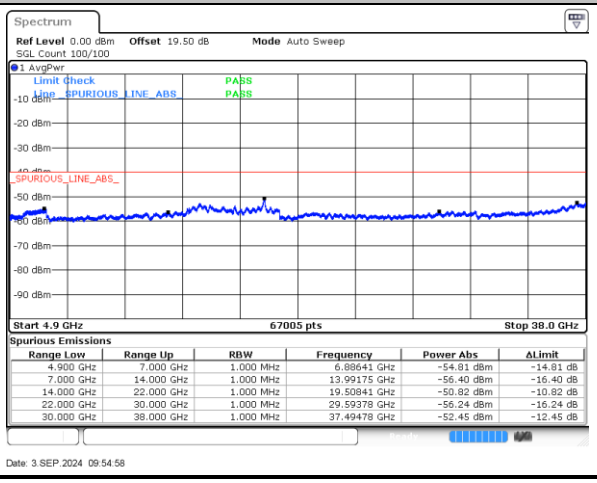
Middle Channel / 1RB99 and 1RB0





Highest Channel / 1RB99 and 1RB0

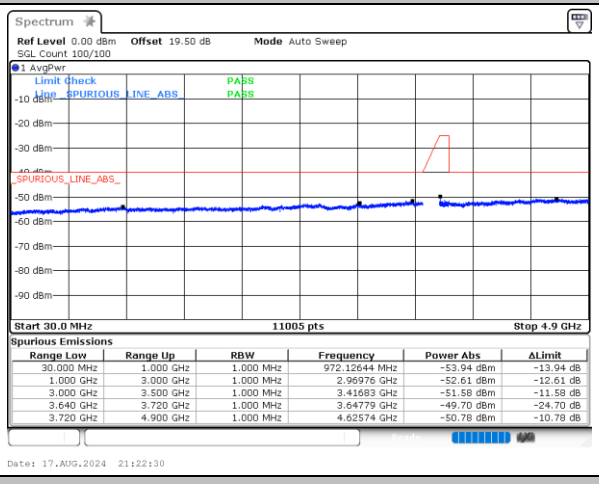


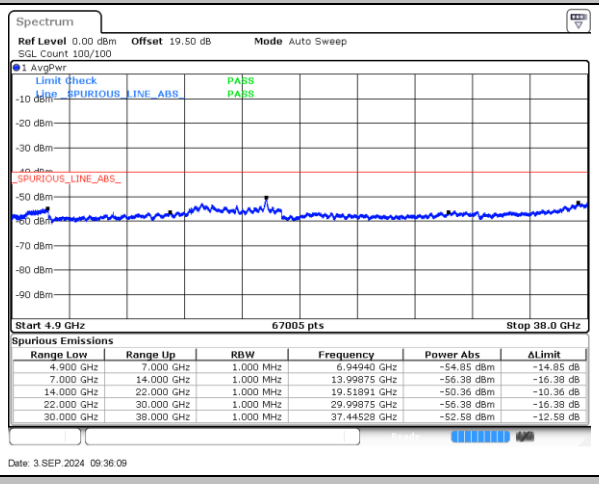


LTE Band 48C / 20MHz+10MHz

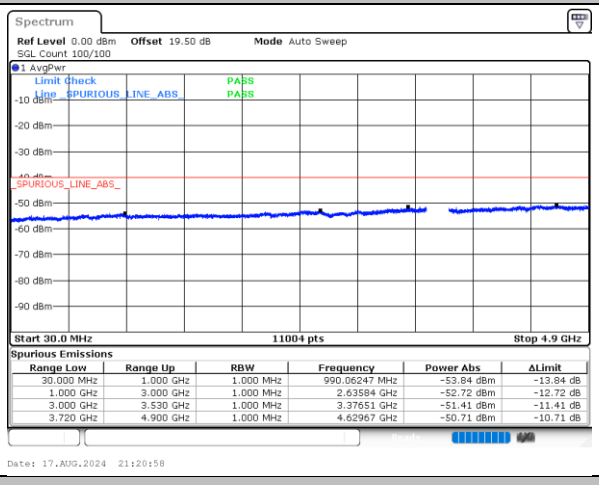
QPSK

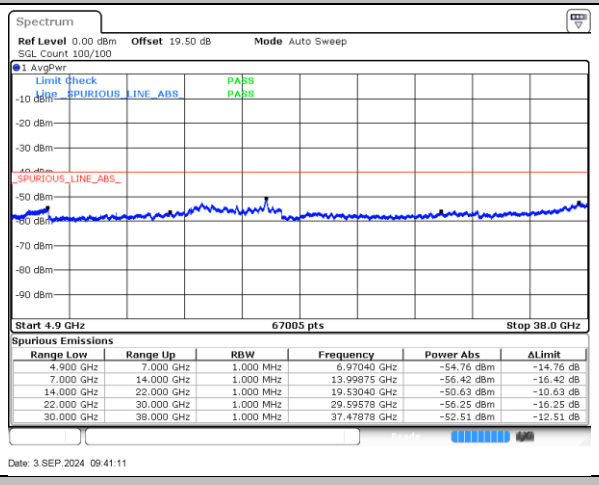
Lowest Channel / 1RB99 and 1RB0



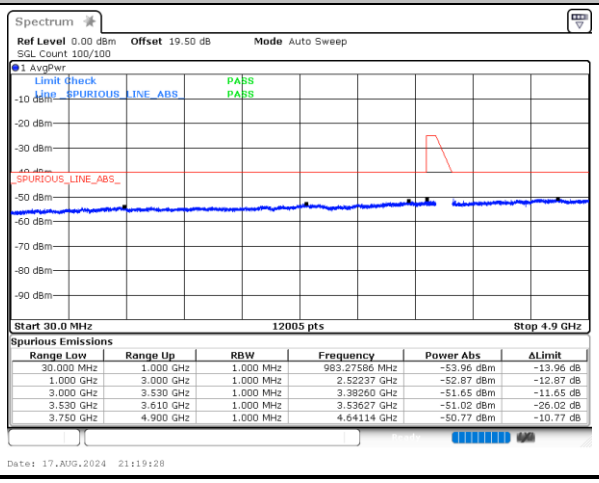


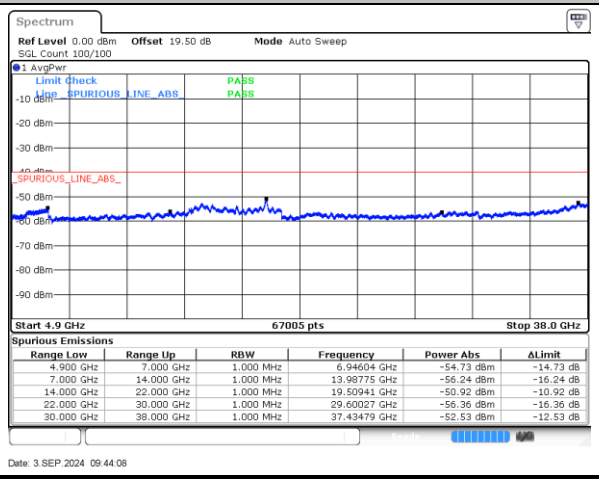
Middle Channel / 1RB99 and 1RB0





Highest Channel / 1RB99 and 1RB0

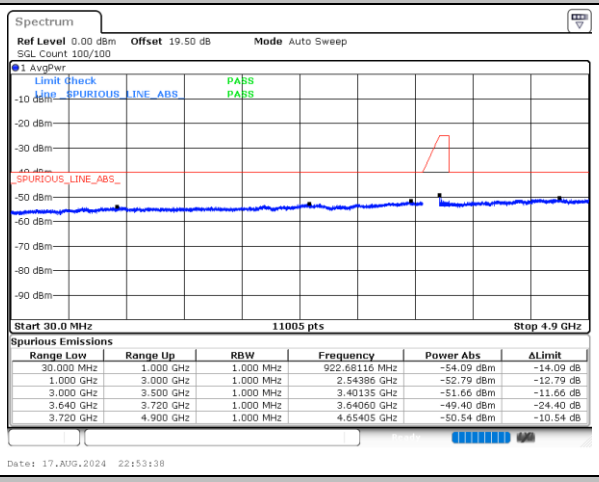


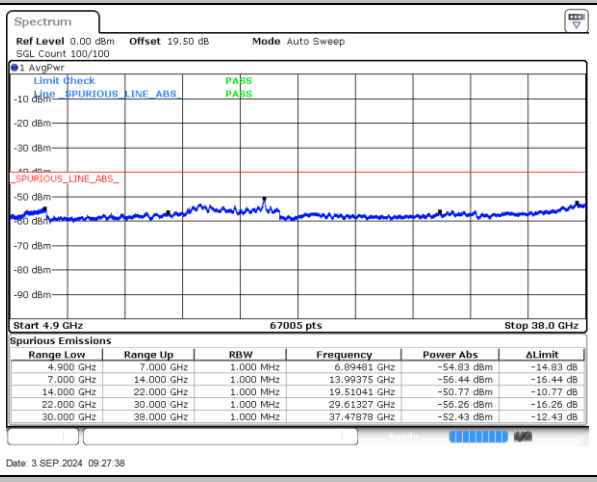


LTE Band 48C / 20MHz+15MHz

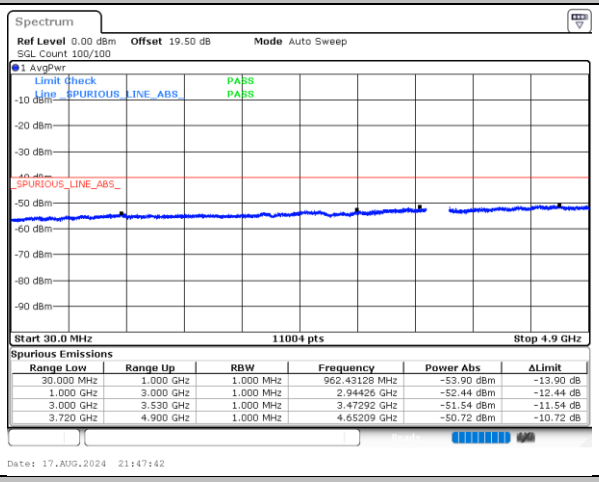
QPSK

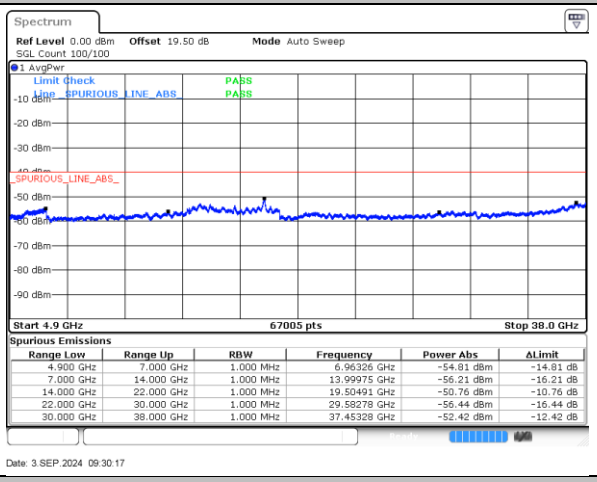
Lowest Channel / 1RB99 and 1RB0



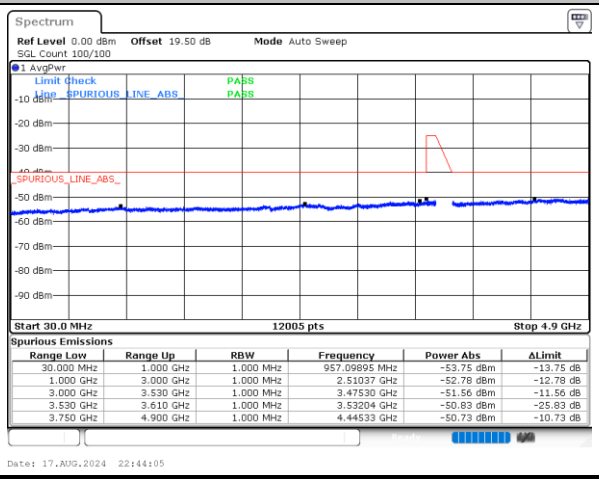


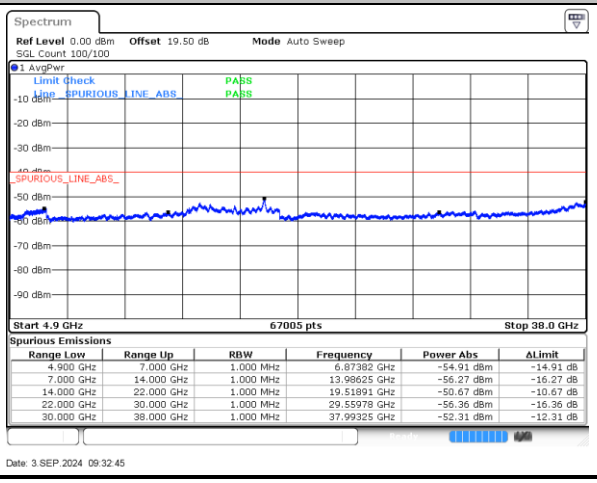
Middle Channel / 1RB99 and 1RB0





Highest Channel / 1RB99 and 1RB0

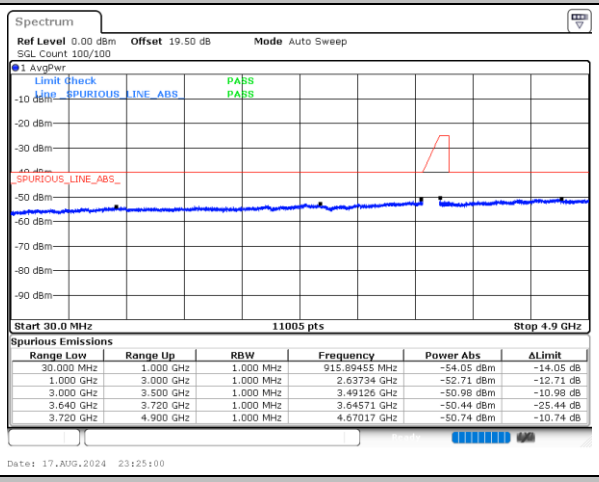


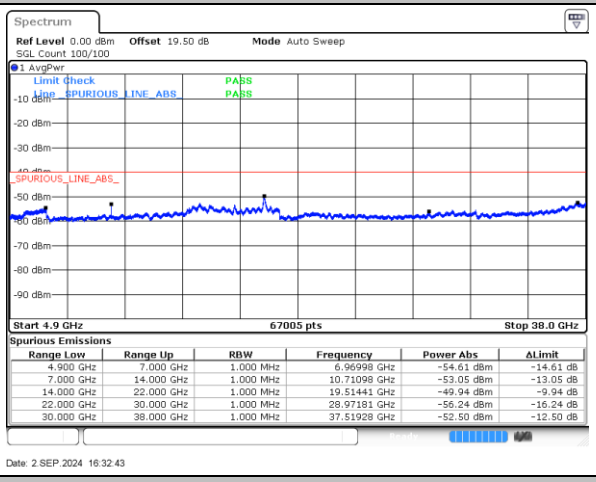


LTE Band 48C / 20MHz+20MHz

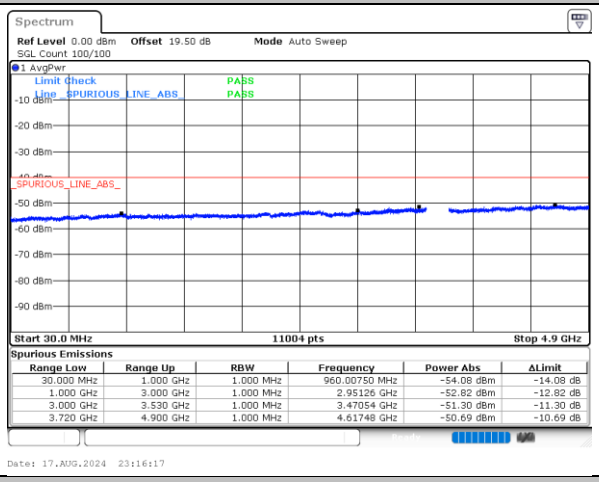
QPSK

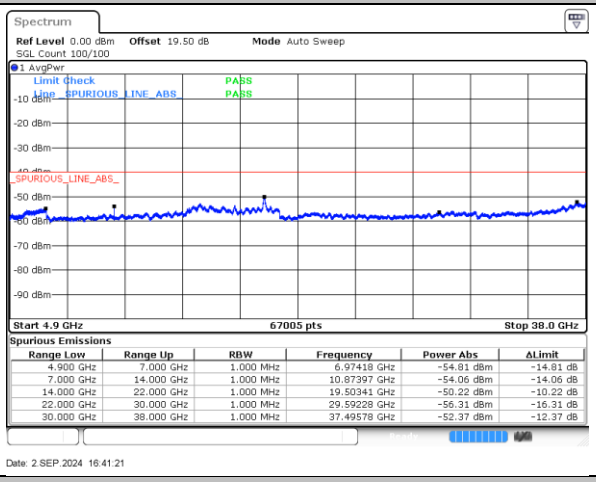
Lowest Channel / 1RB99 and 1RB0



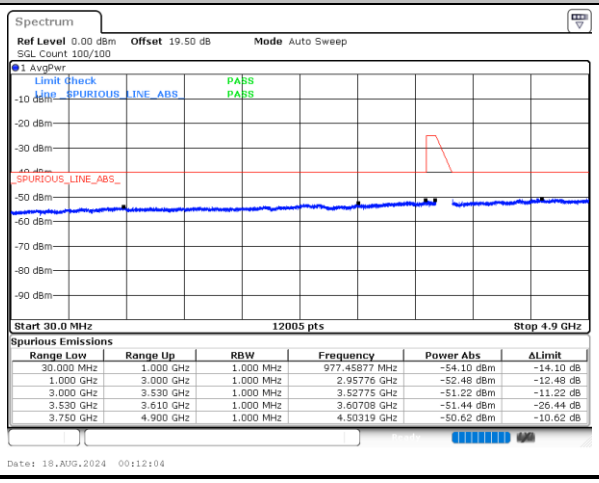


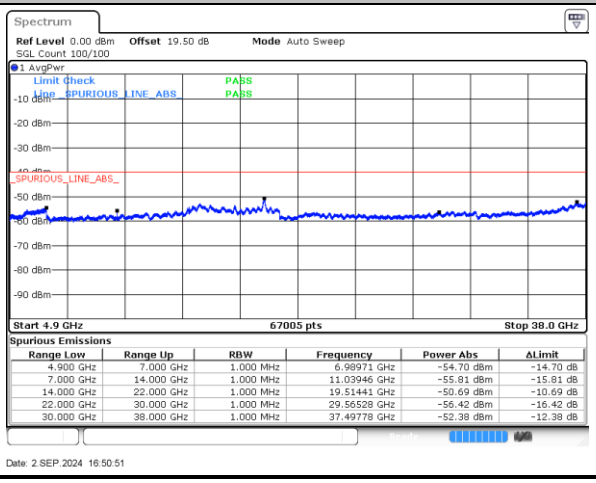
Middle Channel / 1RB99 and 1RB0





Highest Channel / 1RB99 and 1RB0





Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Shunping You	Temperature :	22~25℃
		Relative Humidity :	48~52%

Note: Pre-scanned harmonic for the different antennas, we choose the worst antenna mode to perform final test and record in the report.

LTE Band 48 / 20MHz / QPSK / Ant2									
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	7232.00	-56.67	-40	-16.67	-47.56	-59.97	8.30	11.60	H
	10848.00	-54.07	-40	-14.07	-51.91	-55.59	10.48	12.00	H
	14464.00	-52.59	-40	-12.59	-54.91	-54.29	11.80	13.50	H
	7232.00	-54.57	-40	-14.57	-45.5	-57.87	8.30	11.60	V
	10848.00	-49.24	-40	-9.24	-46.84	-50.76	10.48	12.00	V
	14464.00	-52.12	-40	-12.12	-54.23	-53.82	11.80	13.50	V

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

LTE Band 48C / 20MHz+20MH / QPSK_Ant2									
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	7247.00	-59.23	-40	-19.23	-50.19	-62.53	8.30	11.60	H
	10870.50	-53.02	-40	-13.02	-51.08	-54.54	10.48	12.00	H
	14494.00	-51.57	-40	-11.57	-53.92	-53.27	11.80	13.50	H
	7247.00	-57.75	-40	-17.75	-48.75	-61.05	8.30	11.60	V
	10870.50	-55.48	-40	-15.48	-53.29	-57.00	10.48	12.00	V
	14494.00	-51.92	-40	-11.92	-54.08	-53.62	11.80	13.50	V

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