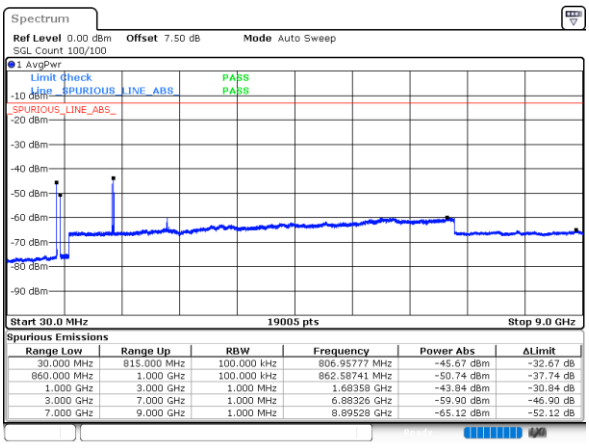
FCC N5B/ 5MHz+10MHz

AVG Max Power

Highest Band Edge /BPSK/ 1RB0 and 1RB51

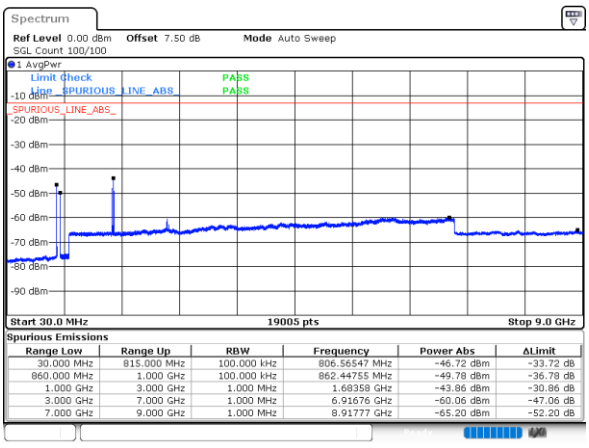


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	806.95777 MHz	-45.67 dBm	-32.67 dB
860.000 MHz	1.000 GHz	100.000 kHz	862.58741 MHz	-50.74 dBm	-37.74 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.68358 GHz	-43.84 dBm	-30.84 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.88326 GHz	-59.90 dBm	-46.90 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89528 GHz	-65.12 dBm	-52.12 dB

Date: 19.MAR.2024 11:24:36

Highest Band Edge /QPSK/ 1RB0 and 1RB51

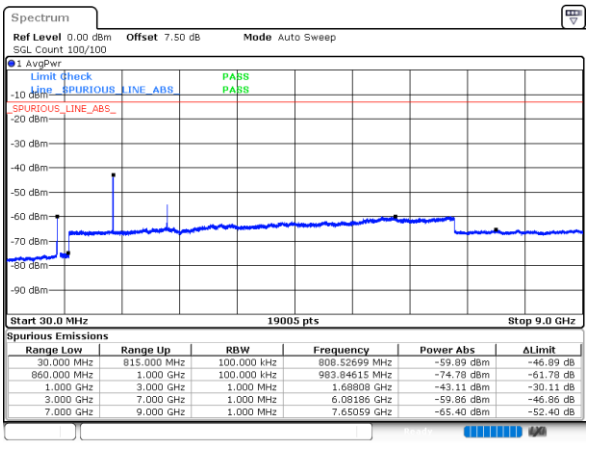


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	806.56547 MHz	-46.72 dBm	-33.72 dB
860.000 MHz	1.000 GHz	100.000 kHz	862.44755 MHz	-49.78 dBm	-36.78 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.68358 GHz	-43.86 dBm	-30.86 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91676 GHz	-60.06 dBm	-47.06 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.91777 GHz	-65.20 dBm	-52.20 dB

Date: 19.MAR.2024 11:24:07

Highest Band Edge /BPSK/ 1RB12 and 1RB25

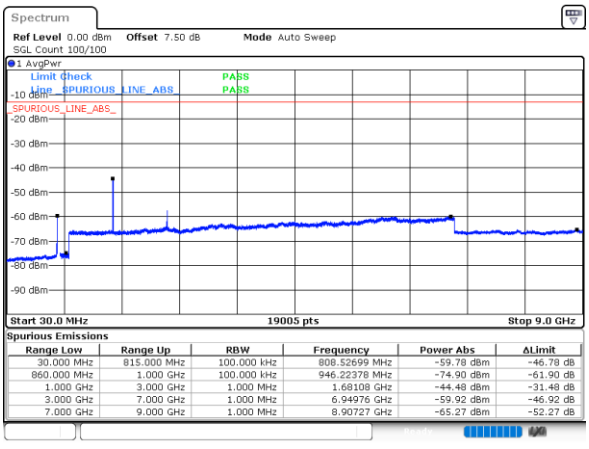


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	808.52699 MHz	-59.89 dBm	-46.89 dB
860.000 MHz	1.000 GHz	100.000 kHz	983.84615 MHz	-74.78 dBm	-61.78 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.68808 GHz	-43.11 dBm	-30.11 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.08186 GHz	-59.86 dBm	-46.86 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.65059 GHz	-65.40 dBm	-52.40 dB

Date: 19.MAR.2024 11:21:55

Highest Band Edge /QPSK/ 1RB12 and 1RB25

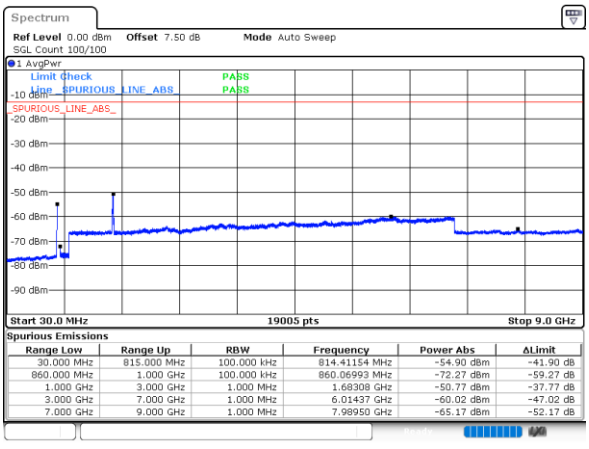


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	808.52699 MHz	-59.78 dBm	-46.78 dB
860.000 MHz	1.000 GHz	100.000 kHz	946.22378 MHz	-74.90 dBm	-61.90 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.68108 GHz	-44.48 dBm	-31.48 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94976 GHz	-59.92 dBm	-46.92 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90727 GHz	-65.27 dBm	-52.27 dB

Date: 19.MAR.2024 11:23:29

Highest Band Edge /BPSK/ 25RB0 and 50RB0

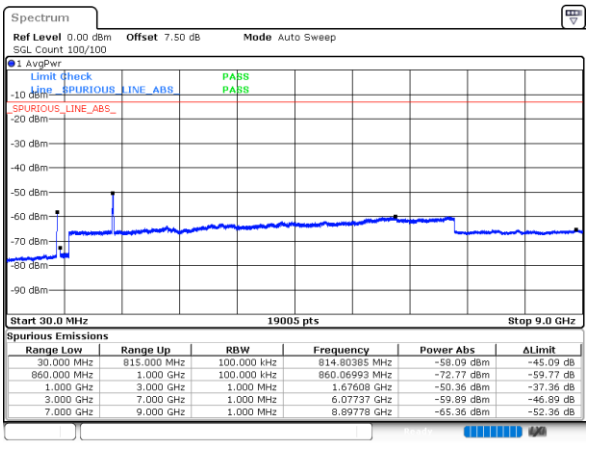


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.41154 MHz	-54.90 dBm	-41.90 dB
860.000 MHz	1.000 GHz	100.000 kHz	860.06993 MHz	-72.27 dBm	-59.27 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.68308 GHz	-50.77 dBm	-37.77 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.01437 GHz	-60.02 dBm	-47.02 dB
7.000 GHz	9.000 GHz	1.000 MHz	7.98950 GHz	-65.17 dBm	-52.17 dB

Date: 19.MAR.2024 11:25:37

Highest Band Edge /QPSK/ 25RB0 and 50RB0



Spurious Emissions

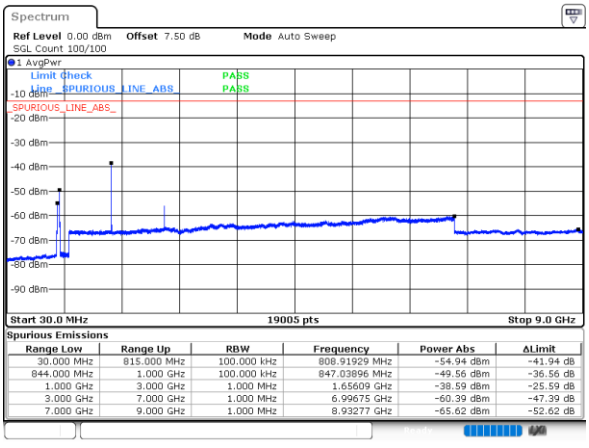
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.80385 MHz	-58.09 dBm	-45.09 dB
860.000 MHz	1.000 GHz	100.000 kHz	860.06993 MHz	-72.77 dBm	-59.77 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67608 GHz	-50.36 dBm	-37.36 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.07737 GHz	-59.89 dBm	-46.89 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89778 GHz	-65.36 dBm	-52.36 dB

Date: 19.MAR.2024 11:26:08

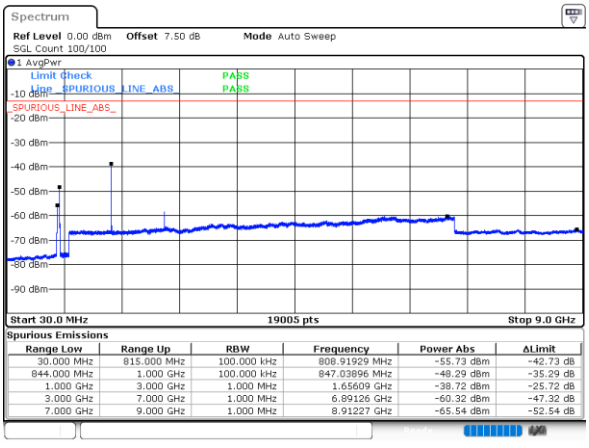
FCC N5B/ 10MHz+10MHz

PCC Max Power

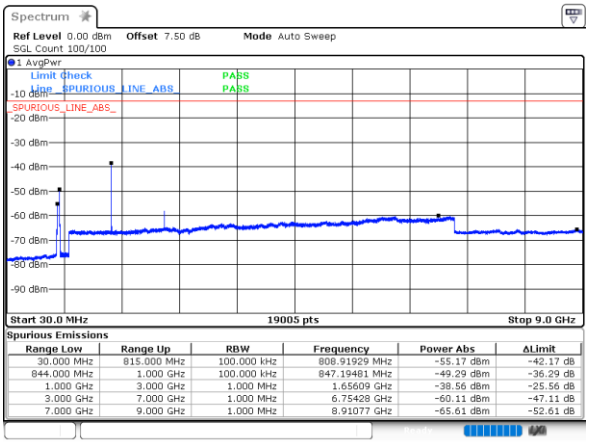
Lowest Band Edge /BPSK/ 1RB0 and 1RB51



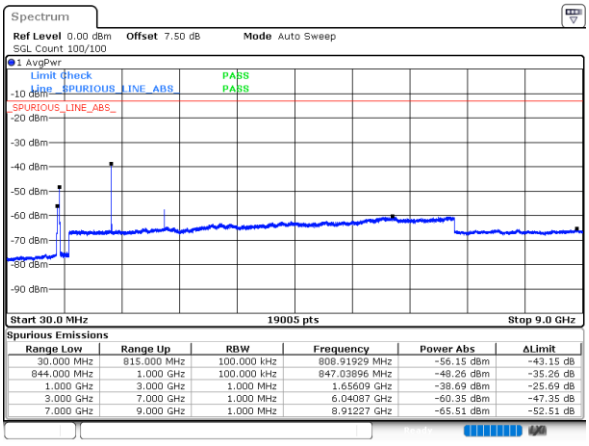
Lowest Band Edge /QPSK/ 1RB0 and 1RB51



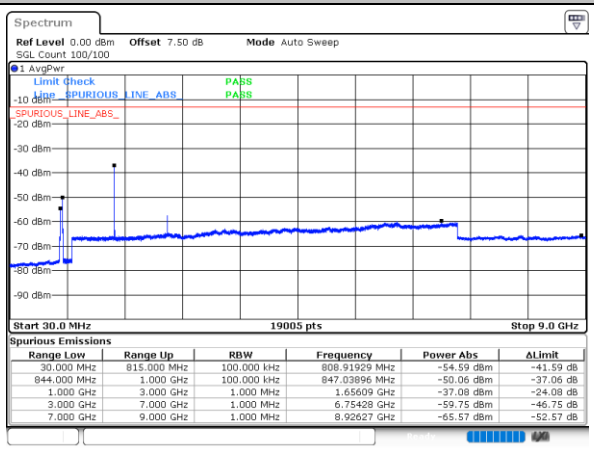
Lowest Band Edge /BPSK/ 1RB20 and 1RB30



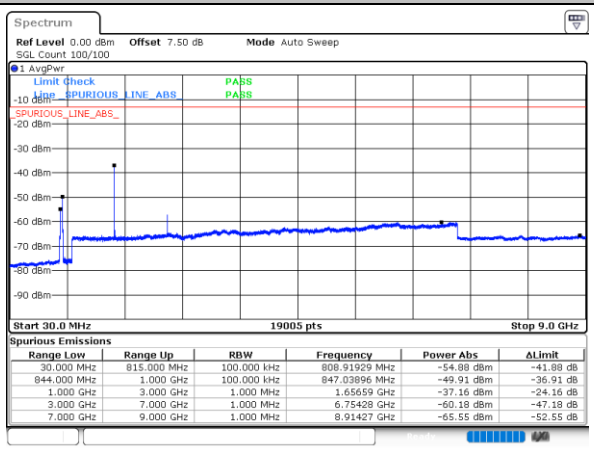
Lowest Band Edge /QPSK/ 1RB20 and 1RB30



Lowest Band Edge /BPSK/ 50RB0 and 50RB0



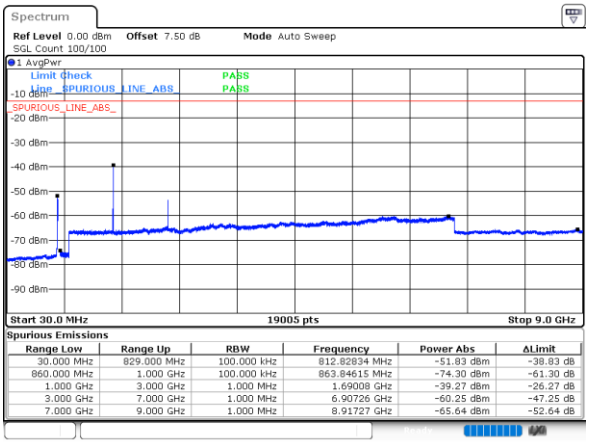
Lowest Band Edge /QPSK/ 50RB0 and 50RB0



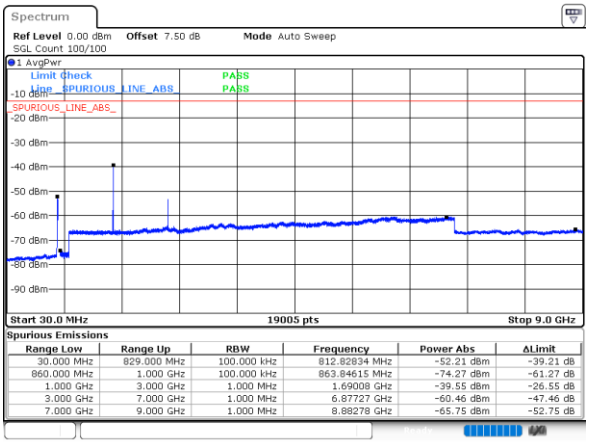
FCC N5B/ 10MHz+10MHz

SCC Max Power

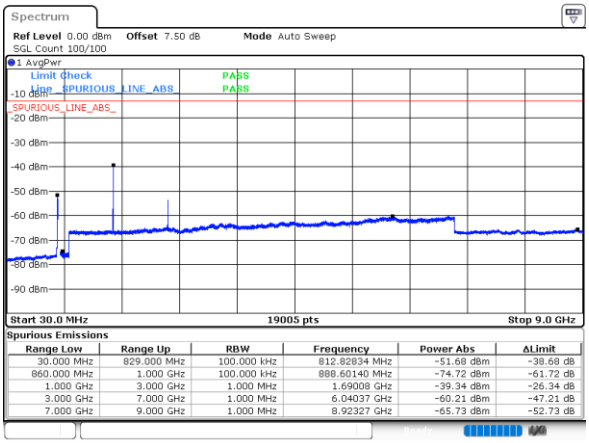
Highest Band Edge /BPSK/ 1RB0 and 1RB51



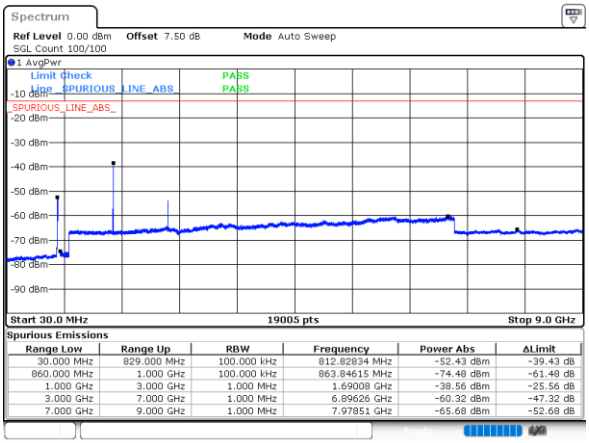
Highest Band Edge /QPSK/ 1RB0 and 1RB51



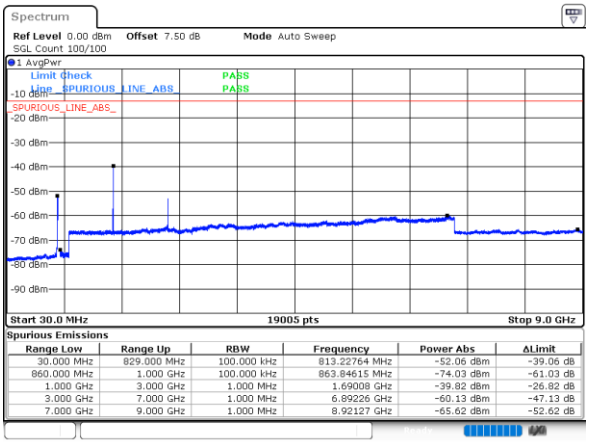
Highest Band Edge /BPSK/ 1RB20 and 1RB30



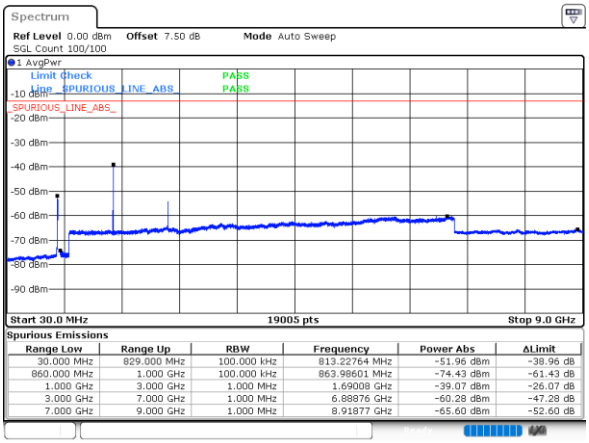
Highest Band Edge /QPSK/ 1RB20 and 1RB30



Highest Band Edge /BPSK/ 50RB0 and 50RB0



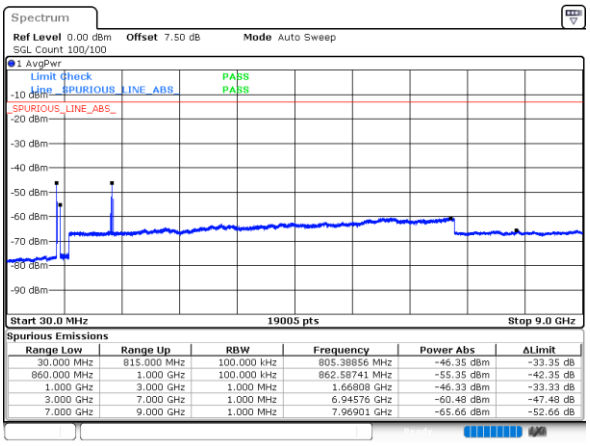
Highest Band Edge /QPSK/ 50RB0 and 50RB0



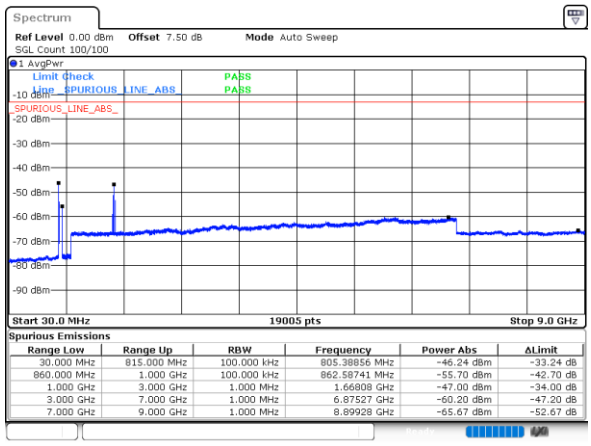
FCC N5B/ 10MHz+10MHz

AVG Max Power

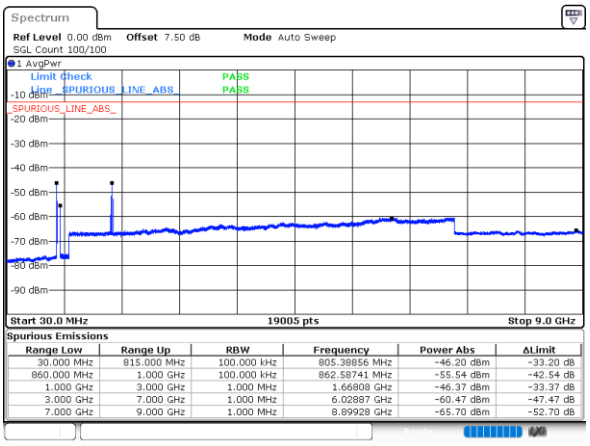
Lowest Band Edge /BPSK/ 1RB0 and 1RB51



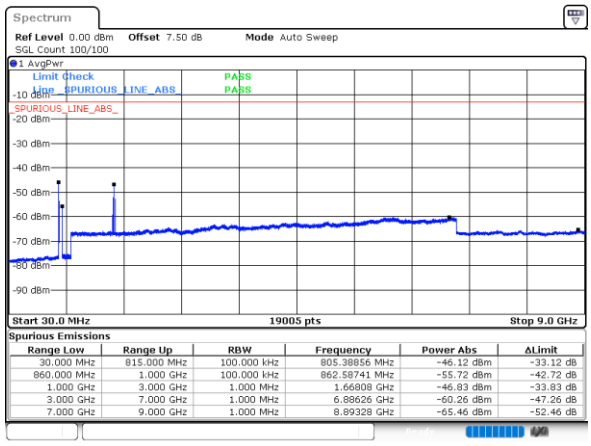
Lowest Band Edge /QPSK/ 1RB0 and 1RB51



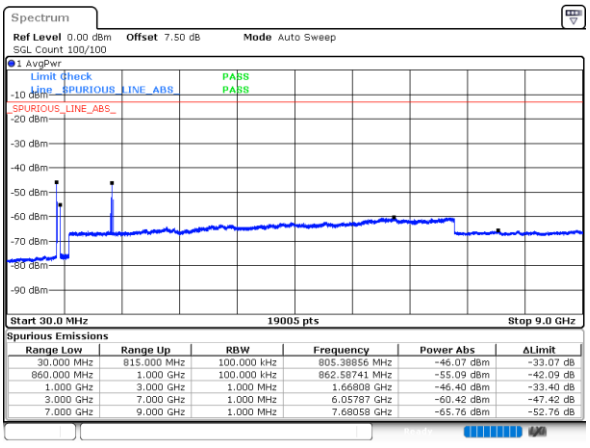
Lowest Band Edge /BPSK/ 1RB20 and 1RB30



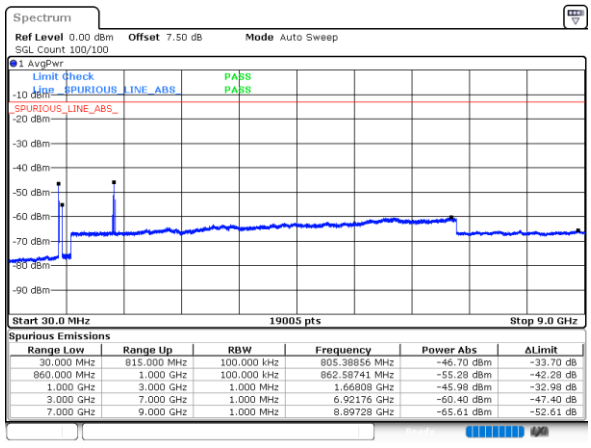
Lowest Band Edge /QPSK/ 1RB20and 1RB30



Lowest Band Edge /BPSK/ 50RB0 and 50RB0



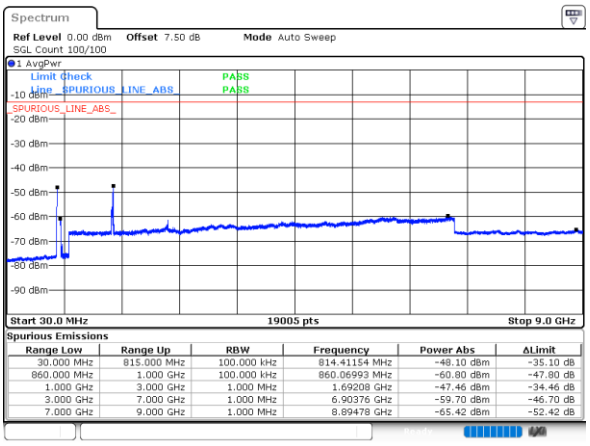
Lowest Band Edge /QPSK/ 50RB0 and 50RB0



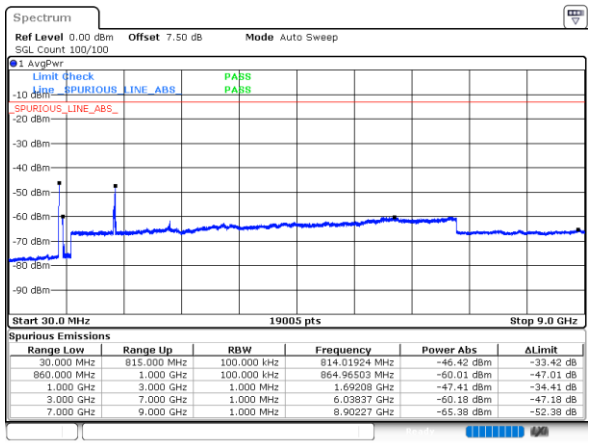
FCC N5B/ 10MHz+10MHz

AVG Max Power

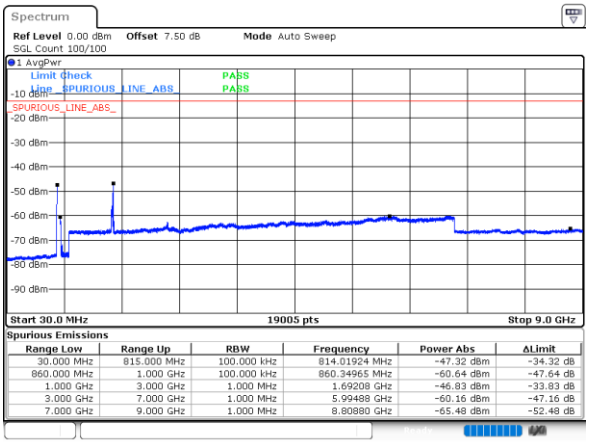
Middle Band Edge /BPSK/ 1RB0 and 1RB51



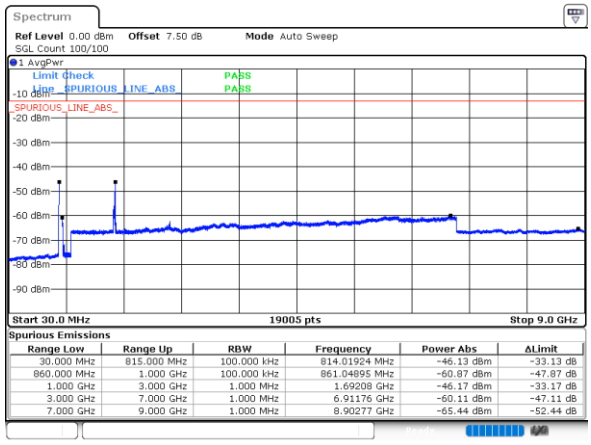
Middle Band Edge /QPSK/ 1RB0 and 1RB51



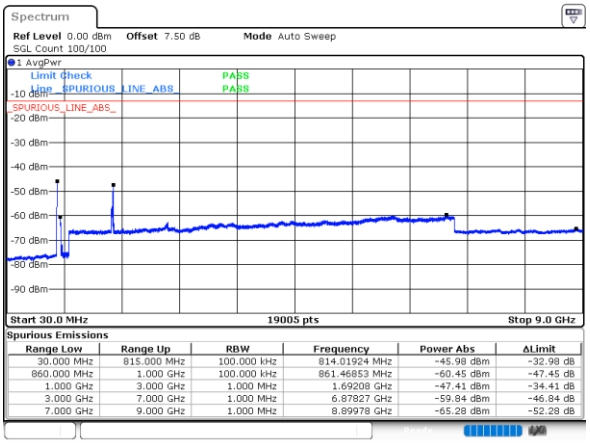
Middle Band Edge /BPSK/ 1RB20and 1RB30



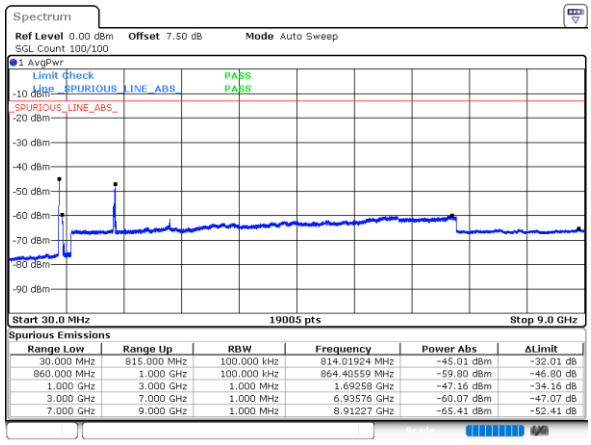
Middle Band Edge /QPSK/ 1RB20 and 1RB30



Middle Band Edge /BPSK/ 50RB0 and 50RB0



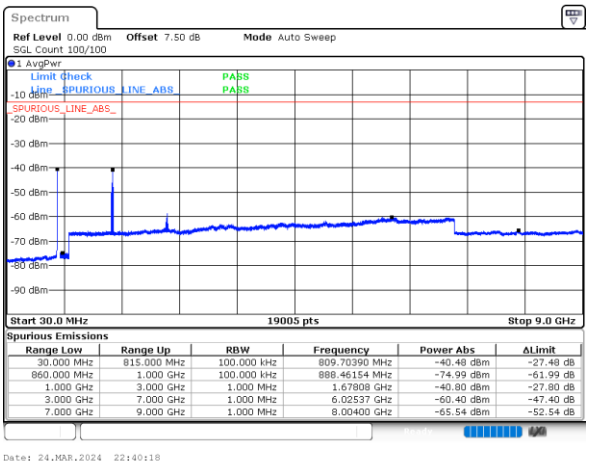
Middle Band Edge /QPSK/ 50RB0 and 50RB0



FCC N5B/ 10MHz+10MHz

AVG Max Power

Highest Band Edge /BPSK/ 1RB0 and 1RB51



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	809.70390 MHz	-40.48 dBm	-27.48 dB
860.000 MHz	1.000 GHz	100.000 kHz	888.46154 MHz	-74.99 dBm	-61.99 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67808 GHz	-40.80 dBm	-27.80 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.02537 GHz	-60.40 dBm	-47.40 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.00400 GHz	-65.54 dBm	-52.54 dB

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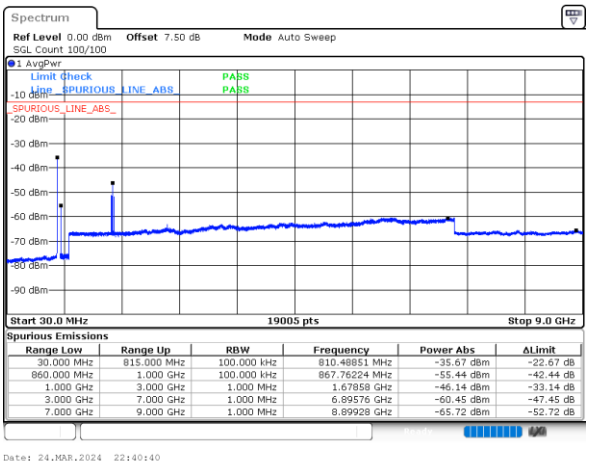
Highest Band Edge /QPSK/ 1RB0 and 1RB51

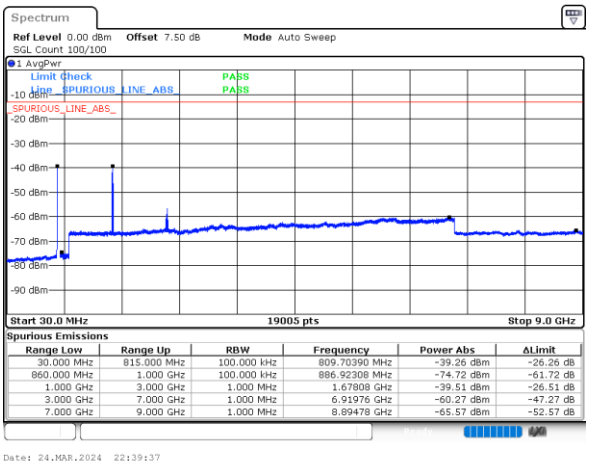


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	810.48851 MHz	-35.67 dBm	-22.67 dB
860.000 MHz	1.000 GHz	100.000 kHz	867.76224 MHz	-55.44 dBm	-42.44 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67858 GHz	-46.14 dBm	-33.14 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89576 GHz	-60.45 dBm	-47.45 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89928 GHz	-65.72 dBm	-52.72 dB

Date: 24.MAR.2024 22:40:40

Highest Band Edge /BPSK/ 1RB20 and 1RB30

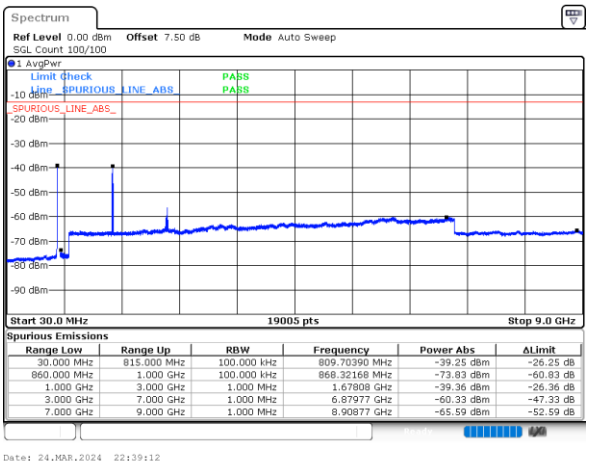


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	809.70390 MHz	-39.26 dBm	-26.26 dB
860.000 MHz	1.000 GHz	100.000 kHz	886.92308 MHz	-74.72 dBm	-61.72 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67808 GHz	-39.51 dBm	-26.51 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91976 GHz	-60.27 dBm	-47.27 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.89478 GHz	-65.57 dBm	-52.57 dB

Date: 24.MAR.2024 22:39:37

Highest Band Edge /QPSK/ 1RB20 and 1RB30

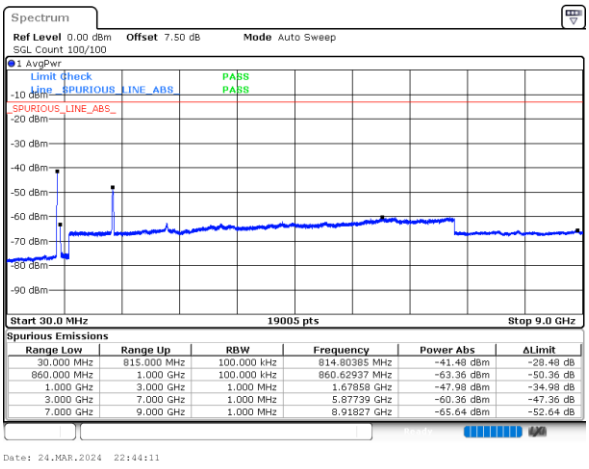


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	809.70390 MHz	-39.25 dBm	-26.25 dB
860.000 MHz	1.000 GHz	100.000 kHz	868.32168 MHz	-73.83 dBm	-60.83 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67808 GHz	-39.36 dBm	-26.36 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.87977 GHz	-60.33 dBm	-47.33 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.90877 GHz	-65.59 dBm	-52.59 dB

Date: 24.MAR.2024 22:39:12

Highest Band Edge /BPSK/ 50RB0 and 50RB0

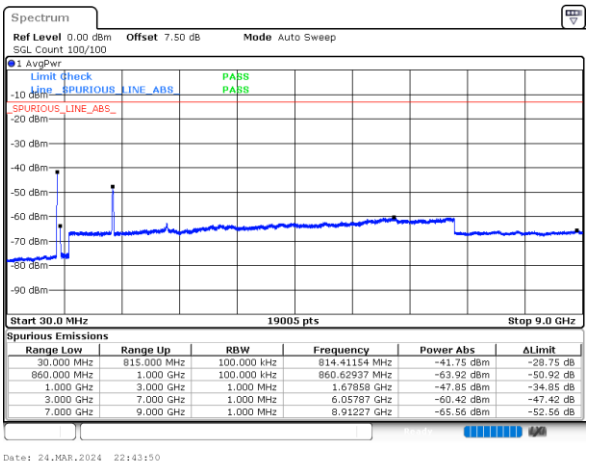


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.80385 MHz	-41.48 dBm	-28.48 dB
860.000 MHz	1.000 GHz	100.000 kHz	860.62937 MHz	-63.36 dBm	-50.36 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67858 GHz	-47.98 dBm	-34.98 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.87739 GHz	-60.36 dBm	-47.36 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.91827 GHz	-65.64 dBm	-52.64 dB

Date: 24.MAR.2024 22:44:11

Highest Band Edge /QPSK/ 50RB0 and 50RB0



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.41154 MHz	-41.75 dBm	-28.75 dB
860.000 MHz	1.000 GHz	100.000 kHz	860.62937 MHz	-63.92 dBm	-50.92 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67858 GHz	-47.85 dBm	-34.85 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.05787 GHz	-60.42 dBm	-47.42 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.91227 GHz	-65.56 dBm	-52.56 dB

Date: 24.MAR.2024 22:43:50

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Note: Pre-scanned harmonic for the different antenna combinations, we choose the worst antenna mode to perform final test.

N25 SA / NR 40MHz / QPSK(ANT2)								
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	3720	-59.58	-13	-46.58	-71.84	2.64	14.90	H
	5595	-63.38	-13	-50.38	-75.24	2.94	14.80	H
	7455	-62.02	-13	-49.02	-71.79	3.39	13.16	H
	3720	-64.24	-13	-51.24	-76.50	2.64	14.90	V
	5595	-63.69	-13	-50.69	-75.55	2.94	14.80	V
	7455	-62.04	-13	-49.04	-71.81	3.39	13.16	V

SA n25UL MIMO / NR 40MHz(ANT2+3) / 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	3735	-55.44	-13	-42.44	-67.70	2.64	14.90	H
	5595	-53.50	-13	-40.50	-65.36	2.94	14.80	H
	7455	-52.87	-13	-39.87	-62.64	3.39	13.16	H
	3735	-55.24	-13	-42.24	-67.50	2.64	14.90	V
	5595	-46.65	-13	-33.65	-58.51	2.94	14.80	V
	7455	-52.62	-13	-39.62	-62.39	3.39	13.16	V

EN-DC_7A_n25A / LTE 10MHz + NR 40MHz / QPSK (ANT0+2) for other Path								
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	3735	-64.28	-13	-51.28	-76.54	2.64	14.90	H
	5595	-61.47	-13	-48.47	-73.33	2.94	14.80	H
	7455	-61.66	-13	-48.66	-71.43	3.39	13.16	H
	3735	-64.28	-13	-51.28	-76.54	2.64	14.90	V
	5595	-61.11	-13	-48.11	-72.97	2.94	14.80	V
	7455	-61.63	-13	-48.63	-71.40	3.39	13.16	V

EN-DC_26A_n25A / LTE 10MHz + NR 40MHz / QPSK (ANT0+2)								
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	3720	-61.13	-13	-48.13	-73.39	2.64	14.90	H
	5595	-62.64	-13	-49.64	-74.50	2.94	14.80	H
	7455	-61.46	-13	-48.46	-71.23	3.39	13.16	H
	3720	-64.02	-13	-51.02	-76.28	2.64	14.90	V
	5595	-62.72	-13	-49.72	-74.58	2.94	14.80	V
	7455	-61.97	-13	-48.97	-71.74	3.39	13.16	V

N26 SA / NR 20MHz / QPSK(ANT0)								
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	1656	-65.85	-13	-52.85	-72.82	1.58	10.70	H
	2480	-62.00	-13	-49.00	-70.25	2.102	12.50	H
	3312	-61.56	-13	-48.56	-70.45	2.856	13.90	H
	1656	-64.45	-13	-51.45	-71.42	1.58	10.70	V
	2480	-59.60	-13	-46.60	-67.85	2.10	12.50	V
	3312	-60.98	-13	-47.98	-69.87	2.86	13.90	V

EN-DC_7A_n26A / LTE 10MHz + NR 20MHz / QPSK (ANT2+0)								
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	1656	-65.08	-13	-52.08	-72.05	1.58	10.70	H
	2480	-53.94	-13	-40.94	-62.19	2.102	12.50	H
	3312	-59.37	-13	-46.37	-68.26	2.856	13.90	H
	1656	-64.46	-13	-51.46	-71.43	1.58	10.70	V
	2480	-58.92	-13	-45.92	-67.17	2.10	12.50	V
	3312	-59.75	-13	-46.75	-68.64	2.86	13.90	V

N5B SA / NR 10MHz + 10MHz / QPSK(ANT0)									
Channel	Condition	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	PCC + SCC	1648	-66.69	-13	-53.69	-73.66	1.58	10.70	H
		2472	-60.61	-13	-47.61	-68.86	2.102	12.50	H
		3288	-61.20	-13	-48.20	-70.09	2.856	13.90	H
		1664	-65.32	-13	-52.32	-72.29	1.58	10.70	H
		2496	-61.69	-13	-48.69	-69.94	2.102	12.50	H
		3328	-60.90	-13	-47.90	-69.79	2.856	13.90	H
	PCC + SCC	1648	-65.33	-13	-52.33	-72.30	1.58	10.70	V
		2472	-55.88	-13	-42.88	-64.13	2.10	12.50	V
		3288	-60.59	-13	-47.59	-69.48	2.86	13.90	V
		1664	-63.79	-13	-50.79	-70.76	1.58	10.70	V
		2496	-59.76	-13	-46.76	-68.01	2.10	12.50	V
		3328	-60.46	-13	-47.46	-69.35	2.86	13.90	V