

6.4. Radiated Spurious Emissions Data -- Pursuant 47 CFR 2.1053, 2.1057

FCC Limits –

Radiated spurious emissions shall be attenuated below the maximum level of emission of the carrier frequency in accordance with the following formula:

Spurious attenuation in dB = $43 + 10 \log_{10} (P)$

(Thus the effective limit is -13 dBm for any transmitter power level).

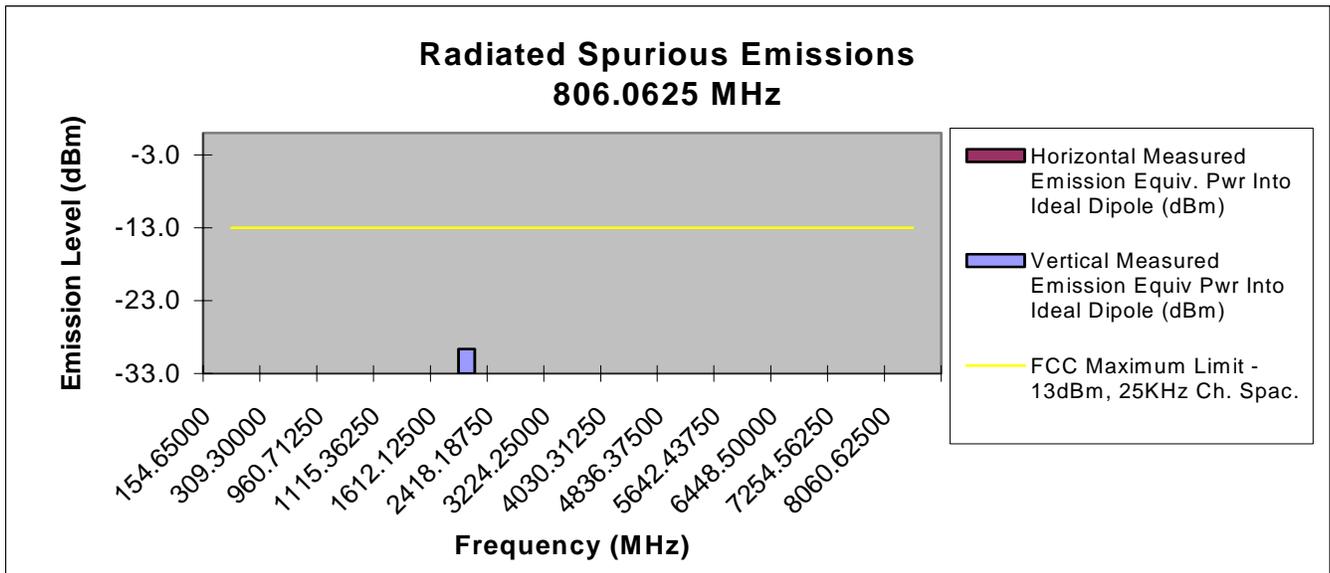
NOTE 1: U500 was tested at both maximum and minimum power output settings.

NOTE 2: Spurious emissions are independent of modulation type. Quad-16QAM was used to obtain the results reported.

NOTE 3: An asterisk (*) in the data indicates the spurious emission was less than -33dBm or could not be detected due to noise limitations or ambients.

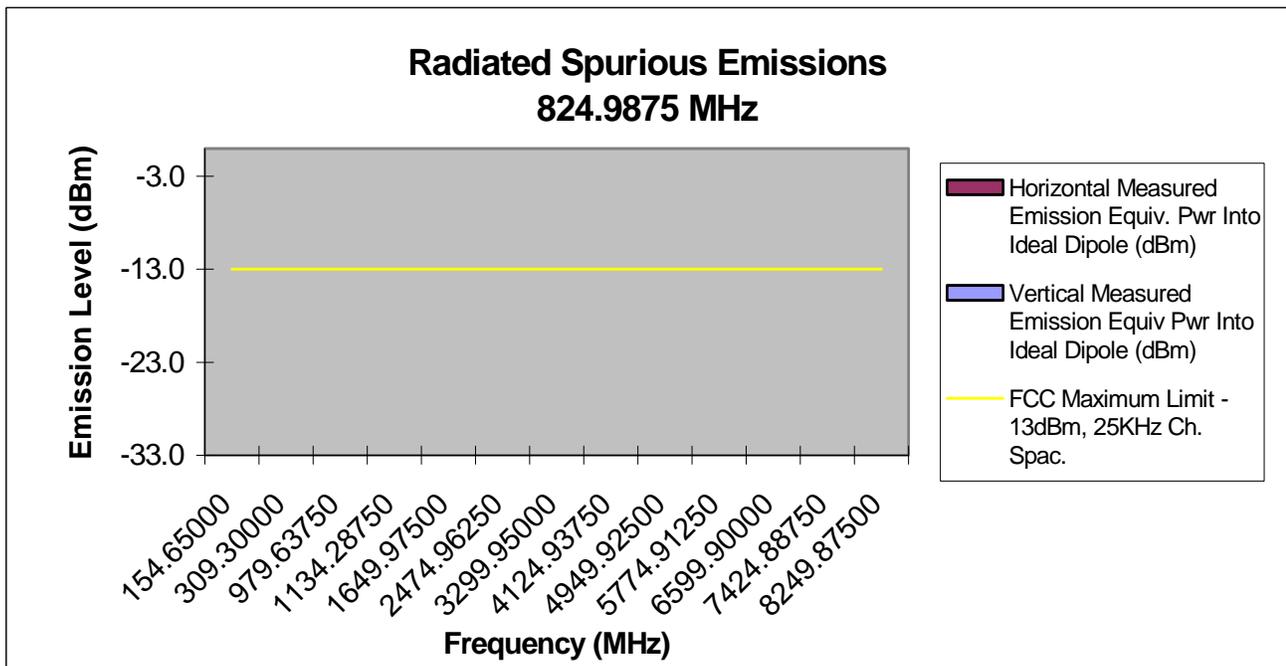
**Transmitter Radiated Spurious Emissions: (Maximum Power Setting)
806.0625 MHz**

Spur	Frequency (MHz)	FCC Maximum Limit - 13dBm, 25KHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
IF	154.65000	-13	*	*
2xIF	309.30000	-13	*	*
LO	960.71250	-13	*	*
IF+LO	1115.36250	-13	*	*
2x FUND	1612.12500	-13	*	-29.62
3x FUND	2418.18750	-13	*	*
4x FUND	3224.25000	-13	*	*
5x FUND	4030.31250	-13	*	*
6x FUND	4836.37500	-13	*	*
7x FUND	5642.43750	-13	*	*
8x FUND	6448.50000	-13	*	*
9x FUND	7254.56250	-13	*	*
10x FUND	8060.62500	-13	*	*



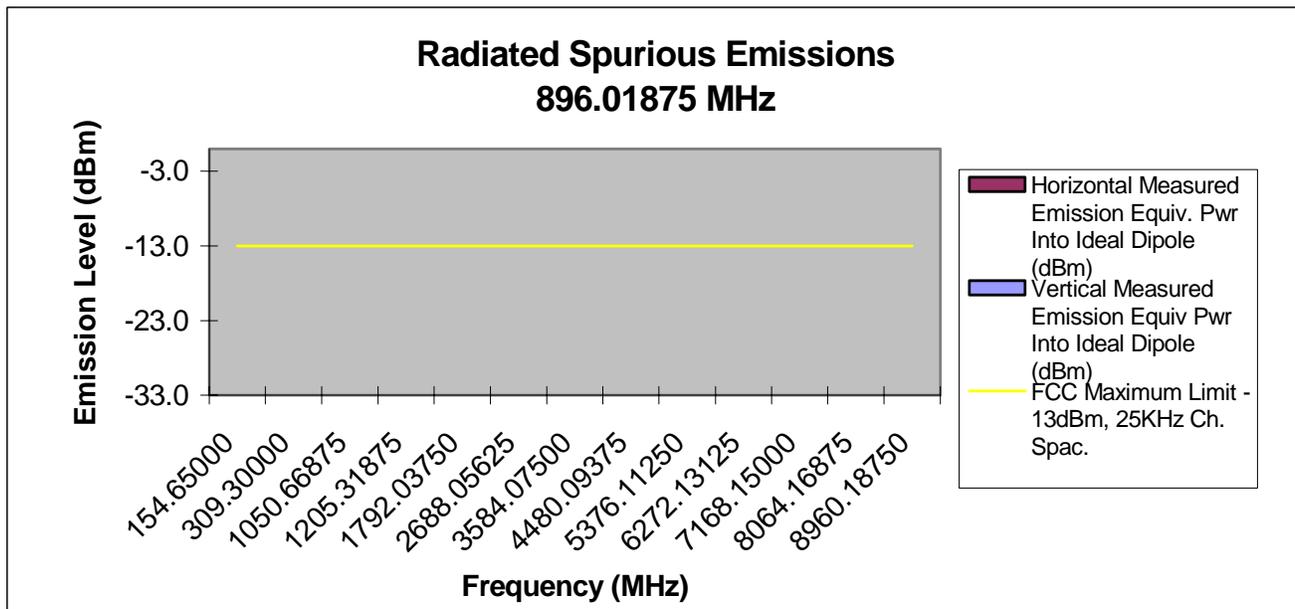
**Transmitter Radiated Spurious Emissions: (Maximum Power Setting)
824.9875 MHz**

Spur	Frequency (MHz)	FCC Maximum Limit - 13dBm, 25KHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
IF	154.65000	-13	*	*
2xIF	309.30000	-13	*	*
LO	979.63750	-13	*	*
IF+LO	1134.28750	-13	*	*
2x FUND	1649.97500	-13	*	*
3x FUND	2474.96250	-13	*	*
4x FUND	3299.95000	-13	*	*
5x FUND	4124.93750	-13	*	*
6x FUND	4949.92500	-13	*	*
7x FUND	5774.91250	-13	*	*
8x FUND	6599.90000	-13	*	*
9x FUND	7424.88750	-13	*	*
10x FUND	8249.87500	-13	*	*



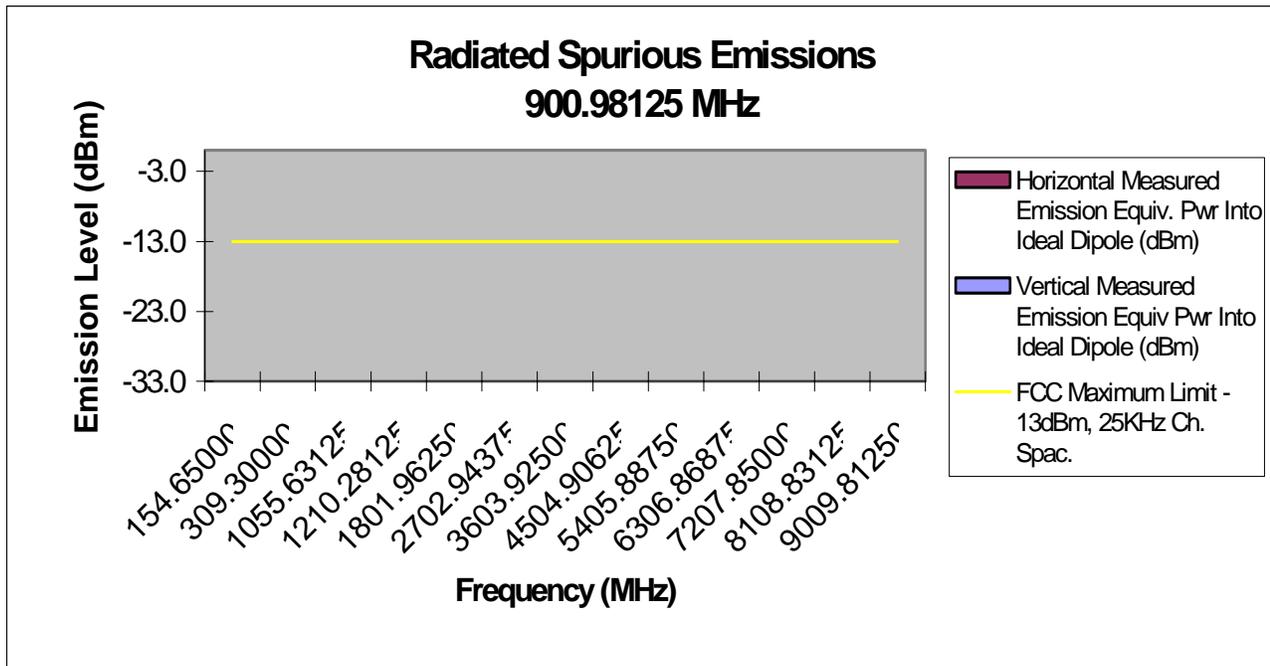
**Transmitter Radiated Spurious Emissions: (Maximum Power Setting)
896.01875 MHz**

Spur	Frequency (MHz)	FCC Maximum Limit - 13dBm, 25KHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
IF	154.65000	-13	*	*
2xIF	309.30000	-13	*	*
LO	1050.66875	-13	*	*
IF+LO	1205.31875	-13	*	*
2x FUND	1792.03750	-13	*	*
3x FUND	2688.05625	-13	*	*
4x FUND	3584.07500	-13	*	*
5x FUND	4480.09375	-13	*	*
6x FUND	5376.11250	-13	*	*
7x FUND	6272.13125	-13	*	*
8x FUND	7168.15000	-13	*	*
9x FUND	8064.16875	-13	*	*
10x FUND	8960.18750	-13	*	*



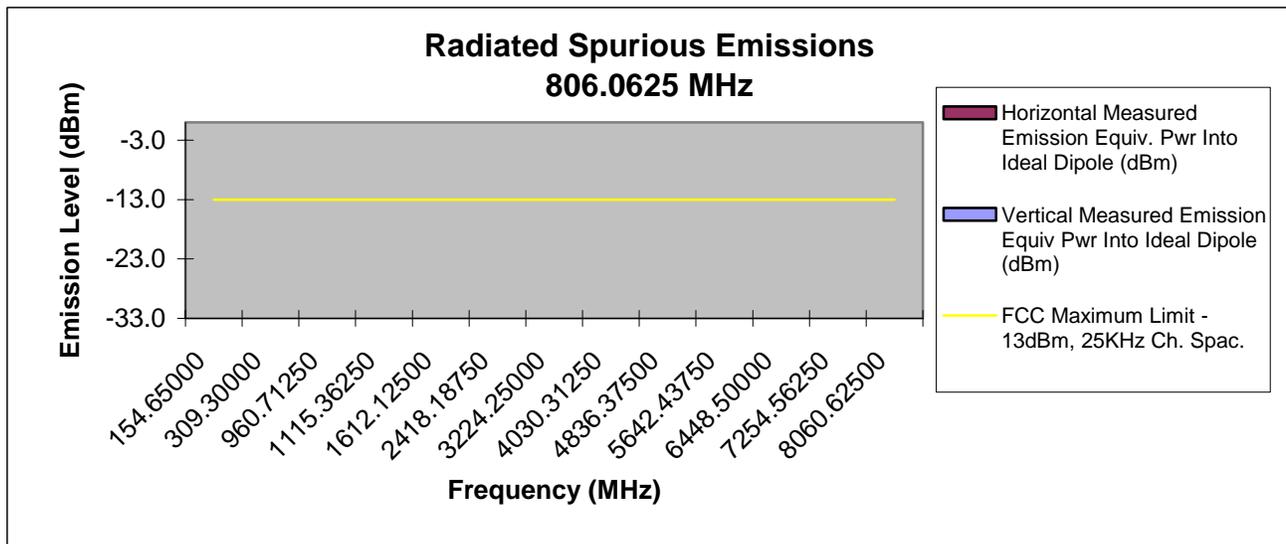
**Transmitter Radiated Spurious Emissions: (Maximum Power Setting)
900.98125 MHz**

Spur	Frequency (MHz)	FCC Maximum Limit - 13dBm, 25KHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
IF	154.65000	-13	*	*
2xIF	309.30000	-13	*	*
LO	1055.63125	-13	*	*
IF+LO	1210.28125	-13	*	*
2x FUND	1801.96250	-13	*	*
3x FUND	2702.94375	-13	*	*
4x FUND	3603.92500	-13	*	*
5x FUND	4504.90625	-13	*	*
6x FUND	5405.88750	-13	*	*
7x FUND	6306.86875	-13	*	*
8x FUND	7207.85000	-13	*	*
9x FUND	8108.83125	-13	*	*
10x FUND	9009.81250	-13	*	*



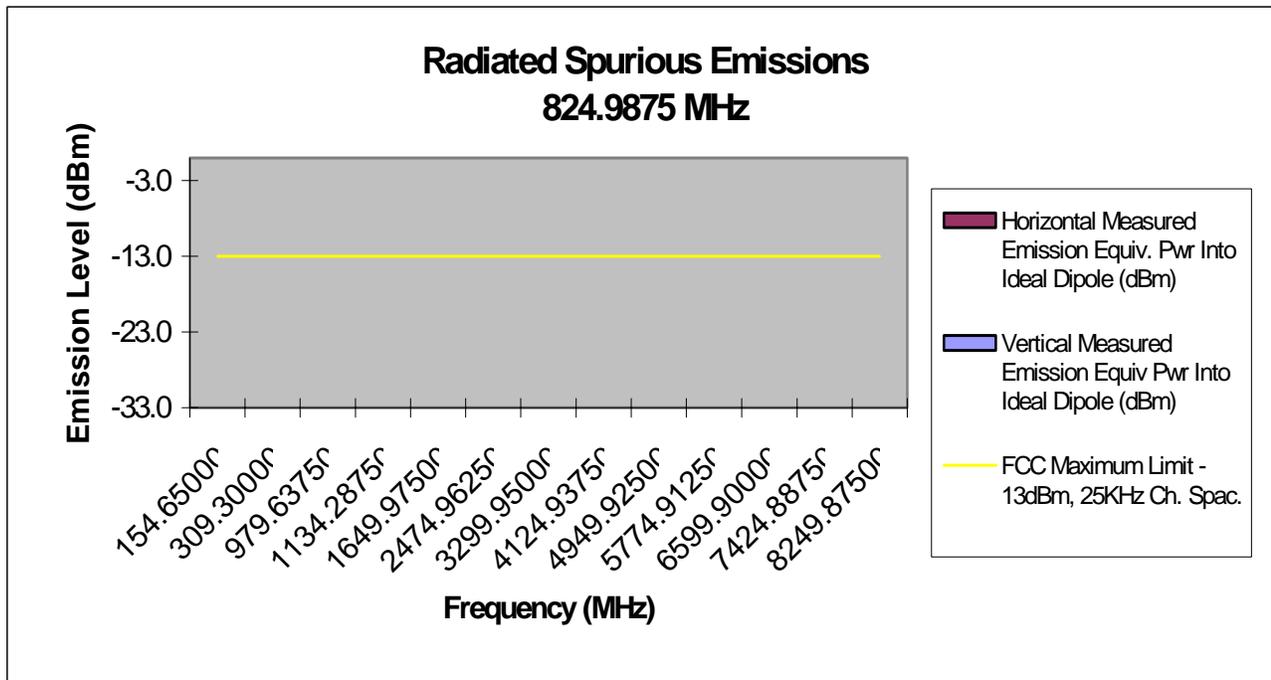
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806.0625 MHz**

Spur	Frequency (MHz)	FCC Maximum Limit - 13dBm, 25KHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
IF	154.65000	-13	*	*
2xIF	309.30000	-13	*	*
LO	960.71250	-13	*	*
IF+LO	1115.36250	-13	*	*
2x FUND	1612.12500	-13	*	*
3x FUND	2418.18750	-13	*	*
4x FUND	3224.25000	-13	*	*
5x FUND	4030.31250	-13	*	*
6x FUND	4836.37500	-13	*	*
7x FUND	5642.43750	-13	*	*
8x FUND	6448.50000	-13	*	*
9x FUND	7254.56250	-13	*	*
10x FUND	8060.62500	-13	*	*



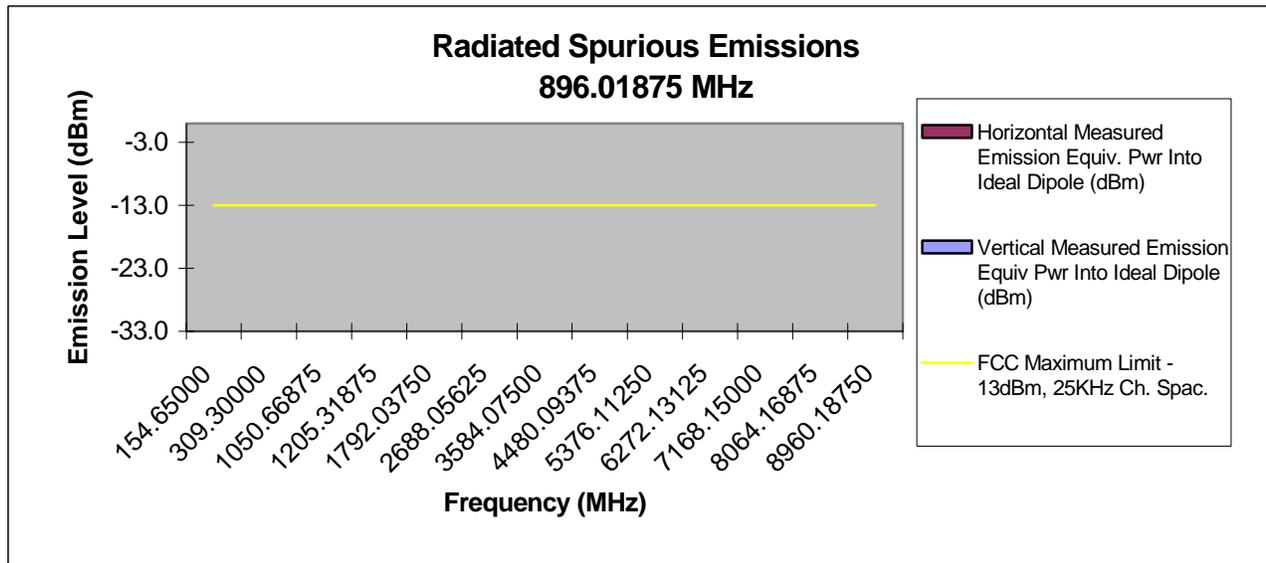
**Transmitter Radiated Spurious Emissions: (Minimum Power Setting)
824.9875 MHz**

Spur	Frequency (MHz)	FCC Maximum Limit - 13dBm, 25KHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
IF	154.65000	-13	*	*
2xIF	309.30000	-13	*	*
LO	979.63750	-13	*	*
IF+LO	1134.28750	-13	*	*
2x FUND	1649.97500	-13	*	*
3x FUND	2474.96250	-13	*	*
4x FUND	3299.95000	-13	*	*
5x FUND	4124.93750	-13	*	*
6x FUND	4949.92500	-13	*	*
7x FUND	5774.91250	-13	*	*
8x FUND	6599.90000	-13	*	*
9x FUND	7424.88750	-13	*	*
10x FUND	8249.87500	-13	*	*



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IF	154.65000	-13	*	*
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LO	1050.66875	-13	*	*
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5x FUND	4480.09375	-13	*	*
6x FUND	5376.11250	-13	*	*
7x FUND	6272.13125	-13	*	*
8x FUND	7168.15000	-13	*	*
9x FUND	8064.16875	-13	*	*
10x FUND	8960.18750	-13	*	*



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IF	154.65000	-13	*	*
2xIF	309.30000	-13	*	*
LO	1055.63125	-13	*	*
IF+LO	1210.28125	-13	*	*
2x FUND	1801.96250	-13	*	*
3x FUND	2702.94375	-13	*	*
4x FUND	3603.92500	-13	*	*
5x FUND	4504.90625	-13	*	*
6x FUND	5405.88750	-13	*	*
7x FUND	6306.86875	-13	*	*
8x FUND	7207.85000	-13	*	*
9x FUND	8108.83125	-13	*	*
10x FUND	9009.81250	-13	*	*

