

FCC Spurious Emission at Antenna Terminal

8/28/99

800A

Frequency	Reading	Att. + Cable loss	Net	Limit	Margin
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)

991ch (824MHz)

Tx		824.04	-2.2	-31.4	29.2		
Harmonics	2nd	1648.08	-62.7	-31.4	-31.3	-13.8	-17.5
	3rd	2472.12	-62.1	-31.4	-30.7	-13.8	-16.9
	4th	3296.16	-75.7	-31.4	-44.3	-13.8	-30.5 *
	5th	4120.2	-75.4	-31.4	-44	-13.8	-30.2 *
	6th	4944.24	-75.4	-31.4	-44	-13.8	-30.2 *
	7th	5768.28	-74.8	-31.4	-43.4	-13.8	-29.6 *
	8th	6592.32	-70	-31.4	-38.6	-13.8	-24.8 *
	9th	7416.36	-71	-31.4	-39.6	-13.8	-25.8 *
	10th	8240.4	-70.5	-31.4	-39.1	-13.8	-25.3 *

Note: No other spurs found

* : Noise floor measurements at these frequencies.

Table 4

FCC Spurious Emission at Antenna Terminal

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Frequency	Reading	Att. + Cable loss	Net	Limit	Margin
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)

384ch
(836.5MHz)

Tx		836.52	-2	31.4	29.4		
Harmonics	2nd	1673.04	-66.1	31.4	-34.7	-13.6	-21.1
	3rd	2509.56	-74.5	31.4	-43.1	-13.6	-29.5
	4th	3346.08	-76.5	31.4	-45.1	-13.6	-31.5 *
	5th	4182.6	-75.4	31.4	-44	-13.6	-30.4 *
	6th	5019.12	-74.9	31.4	-43.5	-13.6	-29.9 *
	7th	5855.64	-69.4	31.4	-38	-13.6	-24.4 *
	8th	6692.16	-69.8	31.4	-38.4	-13.6	-24.8 *
	9th	7528.68	-70.7	31.4	-39.3	-13.6	-25.7 *
	10th	8365.2	-71.5	31.4	-40.1	-13.6	-26.5 *

Note: No additional spurs found

* : Noise-floor measurements at these frequencies

Table 5

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Frequency	Reading	Att. + Cable loss	Net	Limit	Margin
(MHz)	(dBm)	(dB)	(dBm)	(dBm)	(dB)

799ch (849MHz)

Tx		848.97	-3.2	31.4	28.2		
Harmonics	2nd	1697.94	-57.1	31.4	-25.7	-14.8	-10.9
	3rd	2546.91	-73.4	31.4	-42	-14.8	-27.2
	4th	3395.88	-75.2	31.4	-43.8	-14.8	-29 *
	5th	4244.85	-75.4	31.4	-44	-14.8	-29.2 *
	6th	5093.82	-74.9	31.4	-43.5	-14.8	-28.7 *
	7th	5942.79	-70	31.4	-38.6	-14.8	-23.8 *
	8th	6791.76	-69.8	31.4	-38.4	-14.8	-23.6 *
	9th	7640.73	-70.7	31.4	-39.3	-14.8	-24.5 *
	10th	8489.7	-71.2	31.4	-39.8	-14.8	-25 *

Note: No additional spurs found

* : Noise-floor measurements at these frequencies

Table 6