



## 12 COMPLIANCE WITH THE RESTRICTED BAND EDGE TEST DATA

Compliance with the band edges was performed using the FCC’s “Radiated Measurement at a Band Edge” guidance document. The final data derived below were from radiated measurements only. The data taken in this report represents the worst case at 11 MBPS. Data rates of 5.5MBPS, 2 MBPS and 1 MBPS were investigated and found to be in compliance. Both absolute and delta method were performed with the same results.

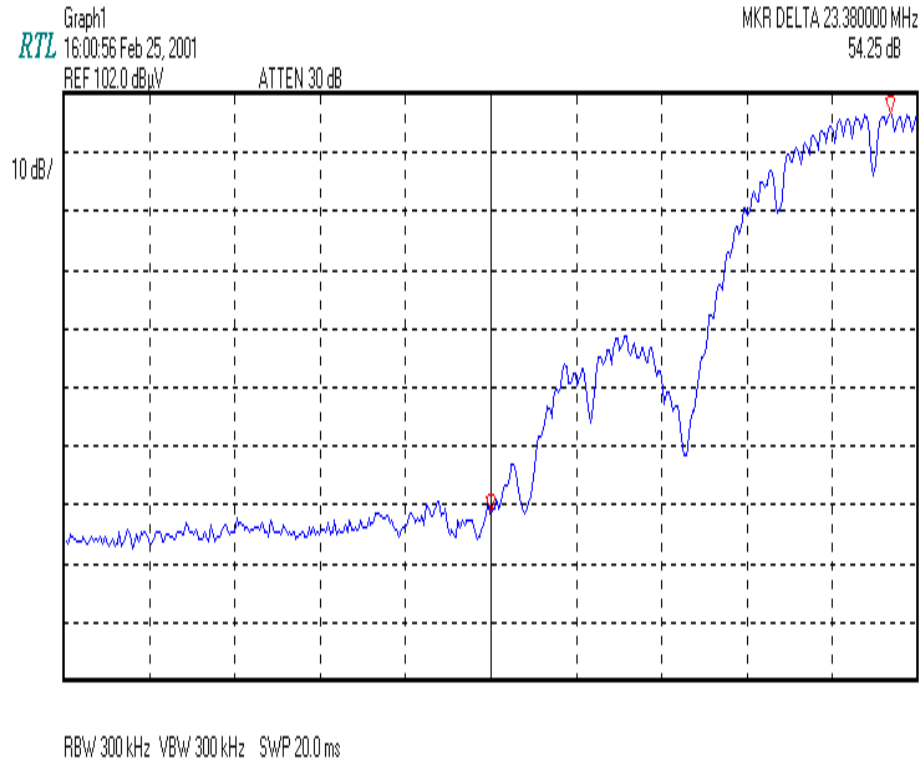
TABLE 28: RESTRICTED BAND EDGE

<b>Band edge Measurement</b>					
<b>Antenna</b>	<b>Channel Set to</b>	<b>Frequency tested MHz</b>	<b>Field Strength Level (dB<math>\mu</math>V/m)</b>	<b>FCC Limit (dB<math>\mu</math>V/m)</b>	<b>FCC Margin (dB)</b>
Cisco Dipole	1	2390.0	53.1	54.0	-0.9
	11	2483.5	53.9	54.0	-0.1
Dell Dipole	1	2390.0	41.4	54.0	-12.6
	11	2483.5	52.4	54.0	-1.6
Dell Inverted F	1	2390.0	40.4	54.0	-13.6
	11	2483.5	46.9	54.0	-7.1
Toshiba Chip	1	2390.0	37.9	54.0	-16.1
	11	2483.5	47.2	54.0	-6.8
Toshiba Inverted F	1	2390.0	39.8	54.0	-14.2
	11	2483.5	50.2	54.0	-3.8



## 15 BANDEDGE PLOTS

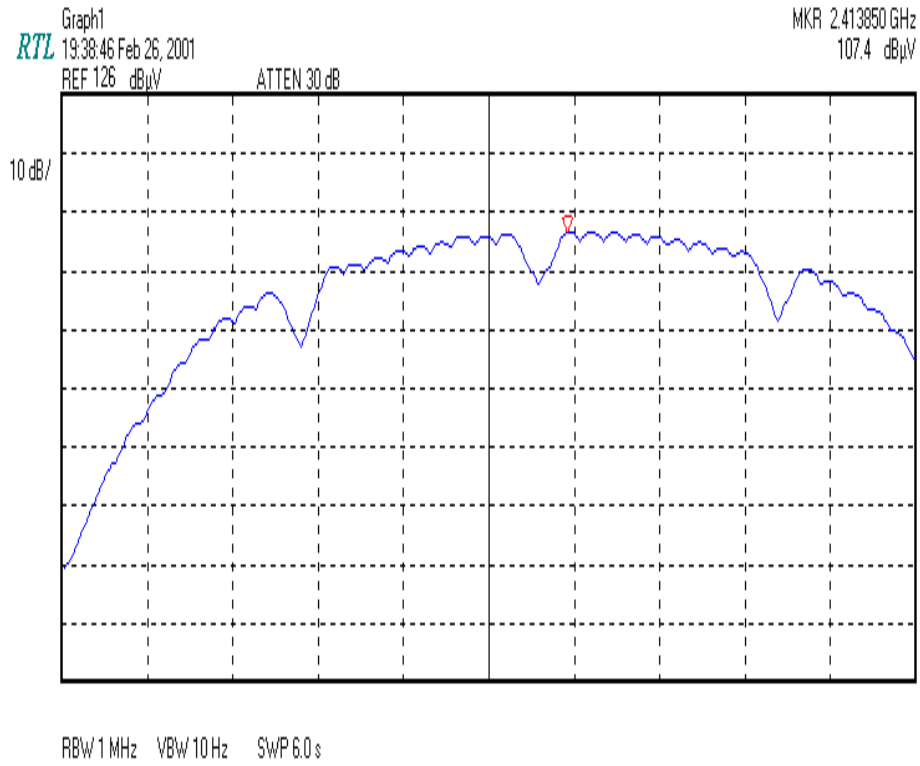
PLOT 1: CHANNEL 1 CISCO DIPOLE ANTENNA 1MHZ/10HZ





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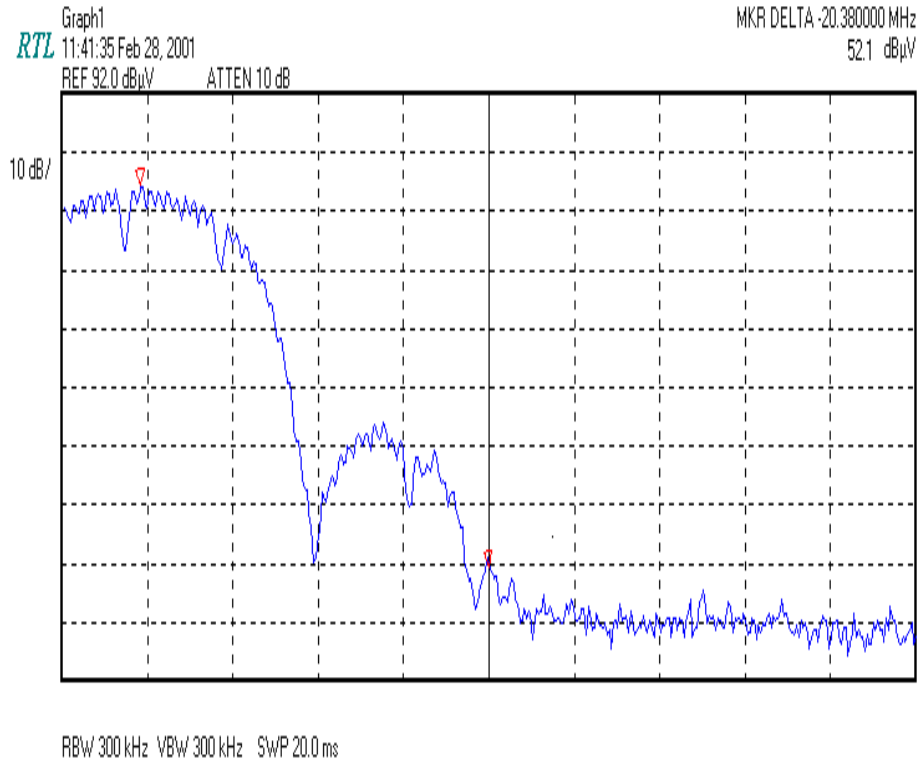
PLOT 2: CHANNEL 1 CISCO DIPOLE ANTENNA



**Note site factor entered into analyzer register for corrected final result.**



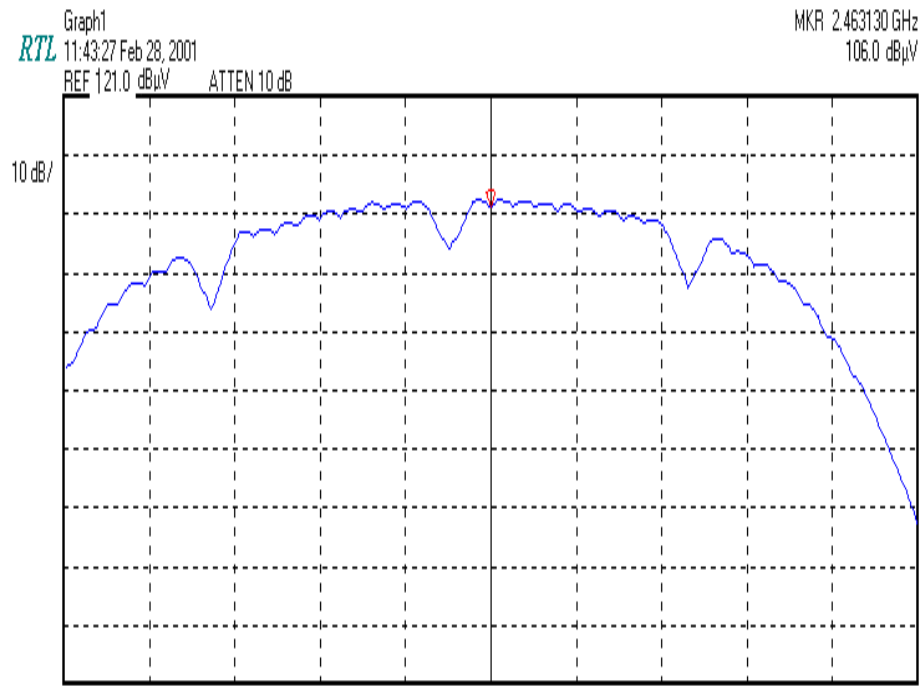
PLOT 3: CHANNEL 11 CISCO DIPOLEANTENNA





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PLOT 4: CHANNEL 11 CISCO DIPOLE ANTENNA



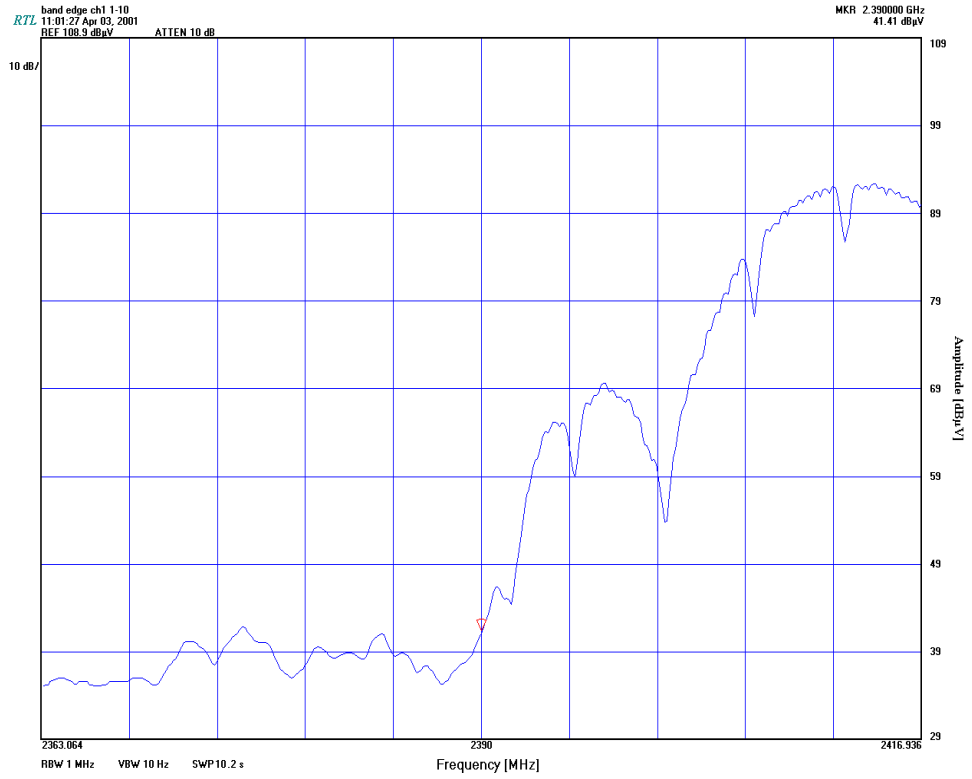
RBW 1 MHz VBW 10 Hz SWP 6.0 s

**Note site factor entered into analyzer register for corrected final result.**



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PLOT 5: CHANNEL 1 DELL DIPOLE ANTENNA 1MHZ/10HZ

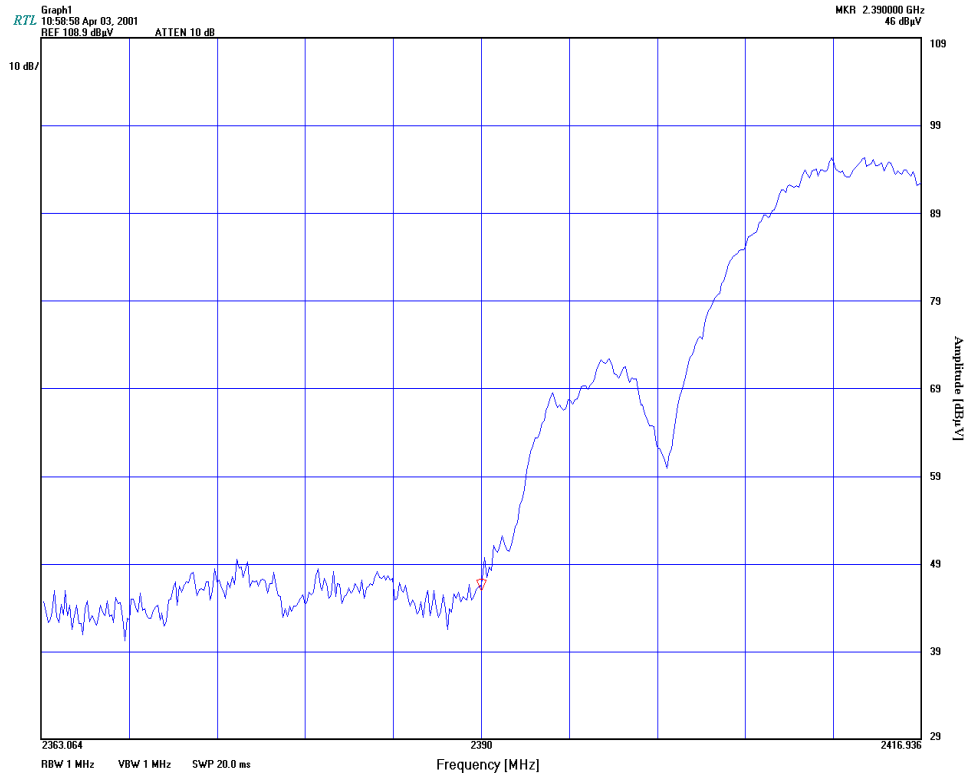




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PLOT 6

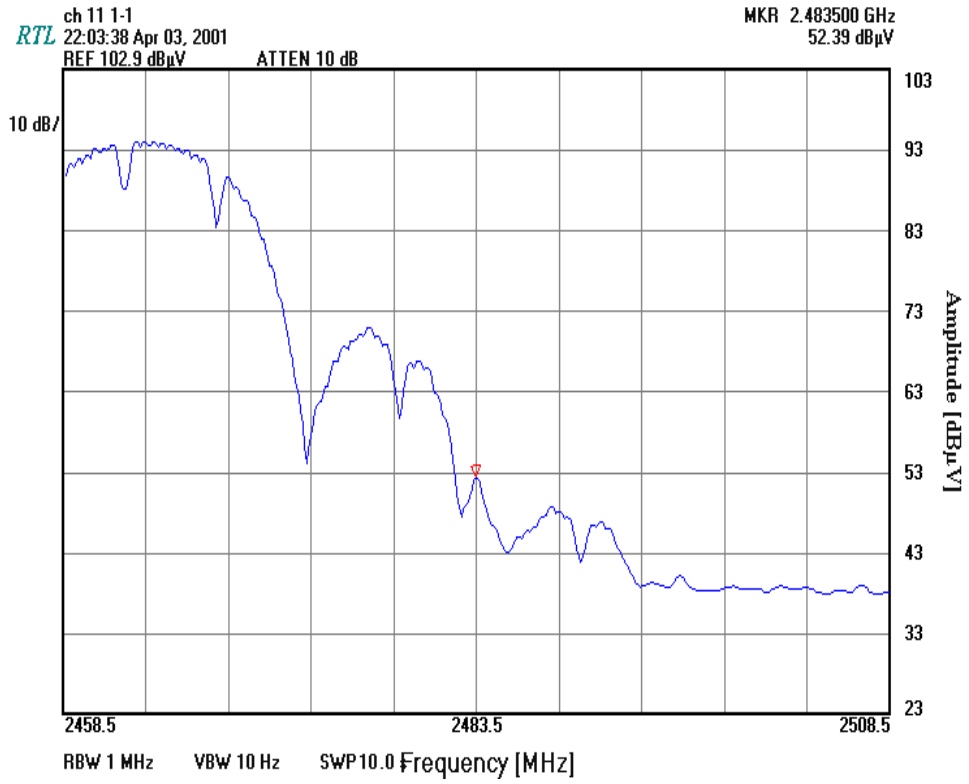
CHANNEL 1 DELL DIPOLE ANTENNA 1MHZ/1MHZ





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PLOT 7 CHANNEL 11 DELL DIPOLE ANTENNA 1MHZ/10HZ



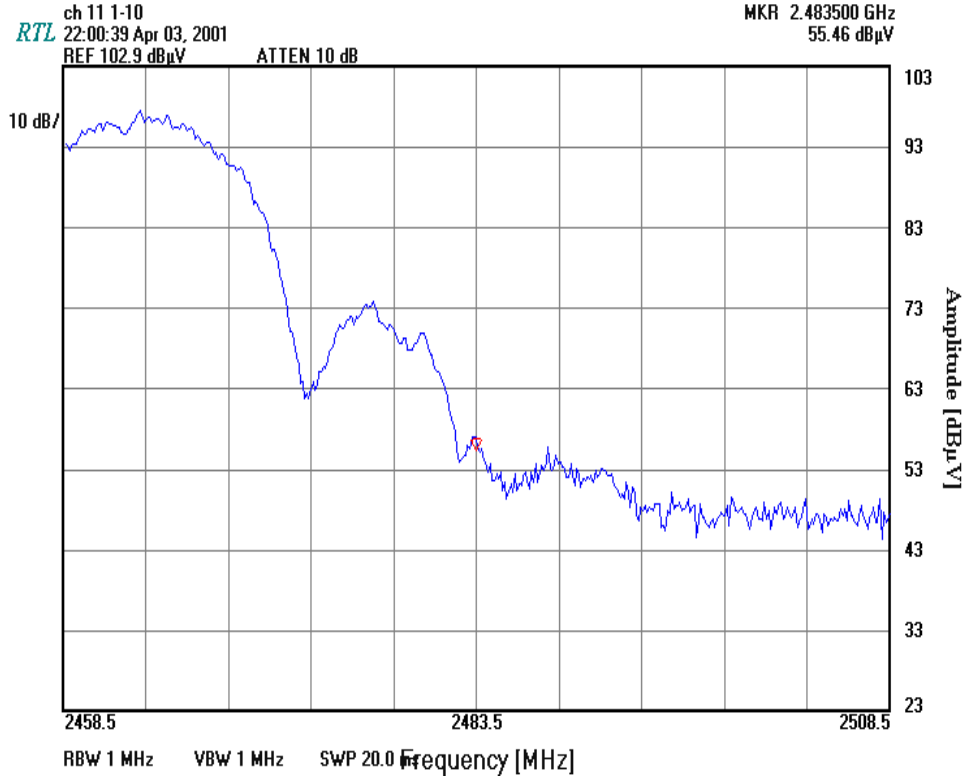




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PLOT 8

CHANNEL 11 DELL DIPOLE ANTENNA 1MHZ/1MHZ

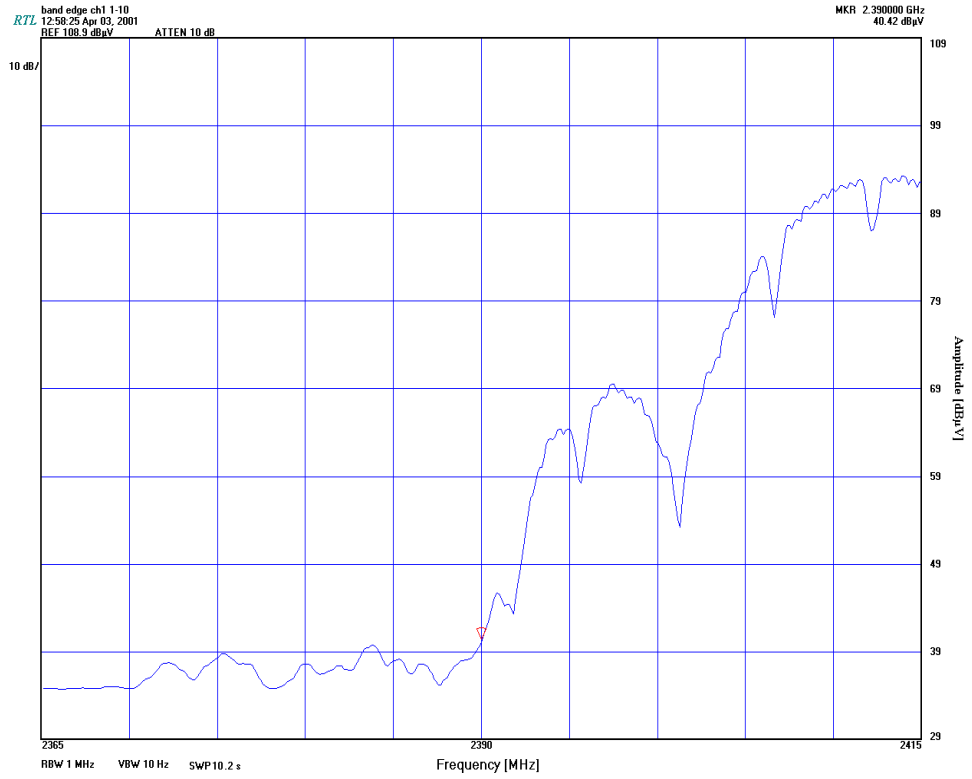




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PLOT 9

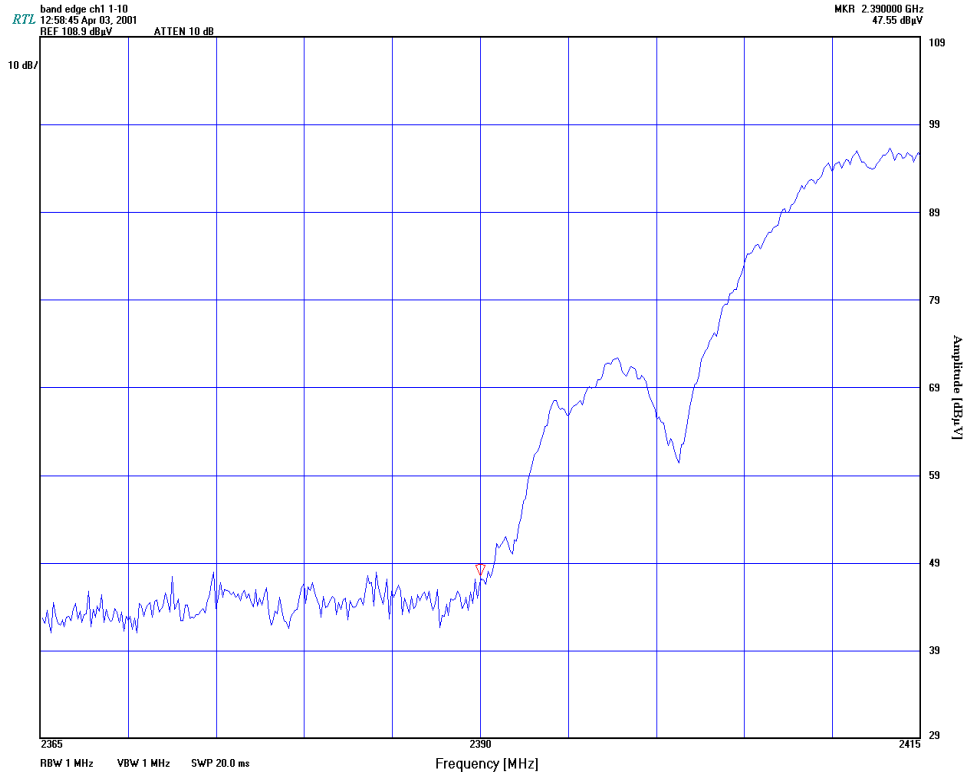
CHANNEL 1 DELL INVERTED F ANTENNA 1MHZ/10HZ





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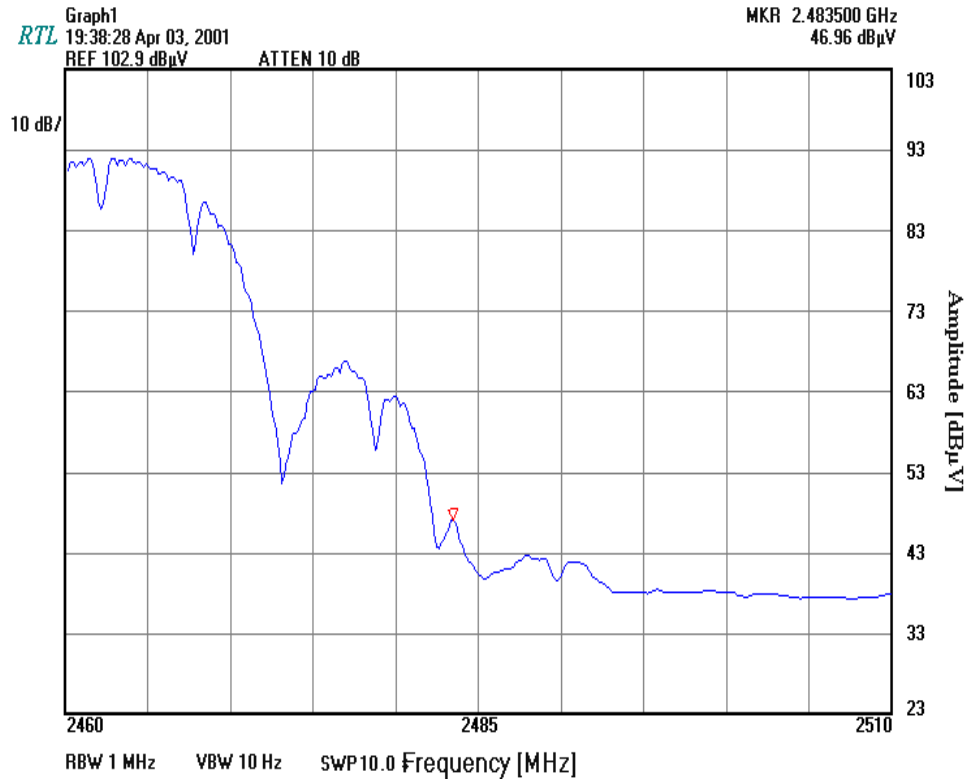
PLOT 10 CHANNEL 1 DELL INVERTED F ANTENNA 1MHZ/1MHZ





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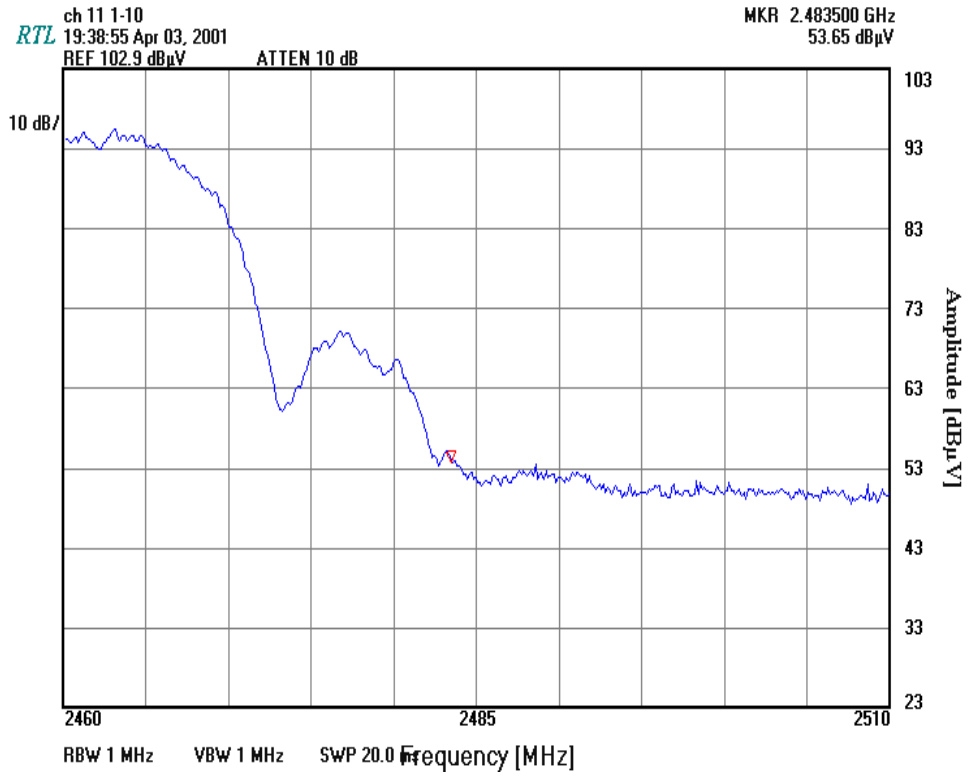
PLOT 11 CHANNEL 11 DELL INVERTED F ANTENNA 1MHZ/10HZ





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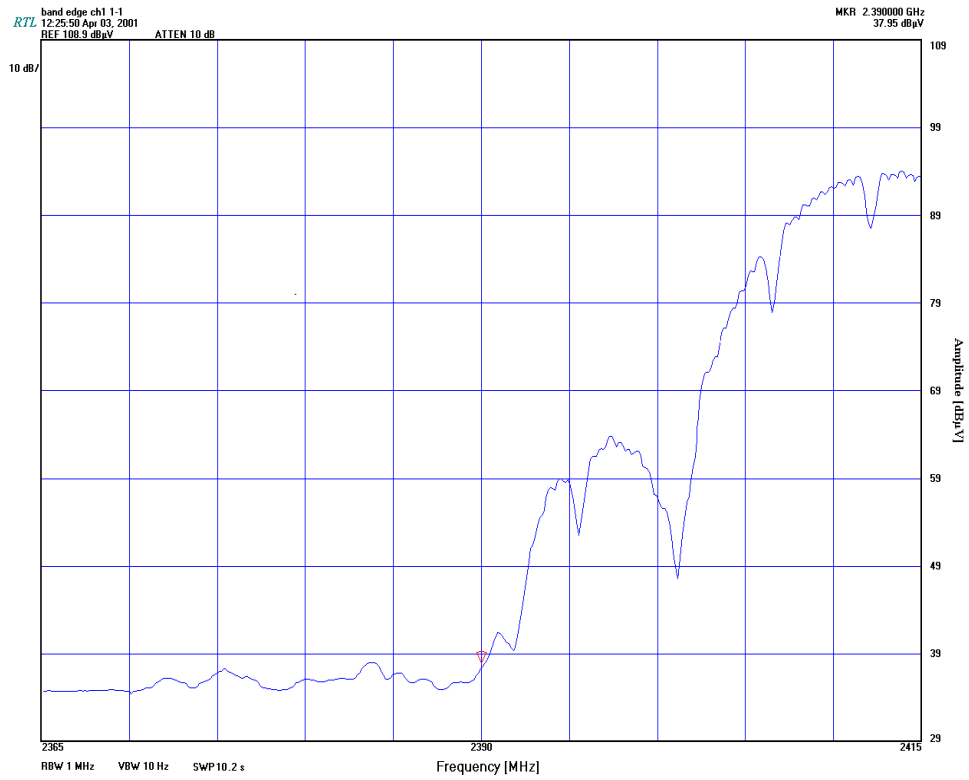
PLOT 12 CHANNEL 11 DELL INVERTED F ANTENNA 1MHZ/1MHZ





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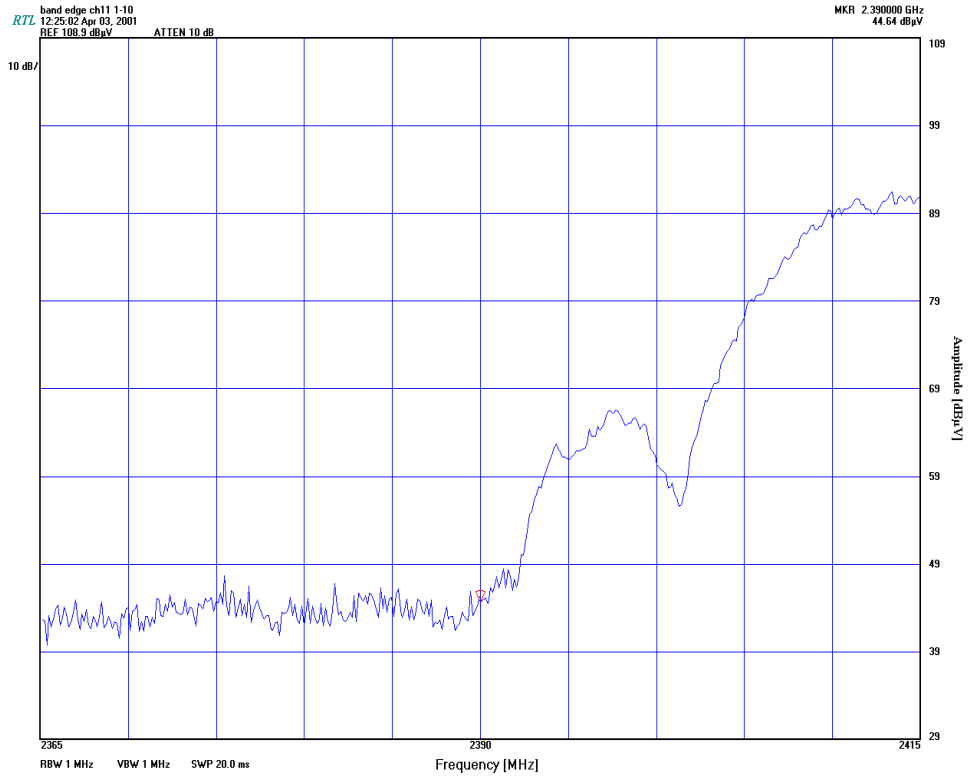
PLOT 13 CHANNEL 1 TOSHIBA CHIP ANTENNA 1MHZ/10HZ





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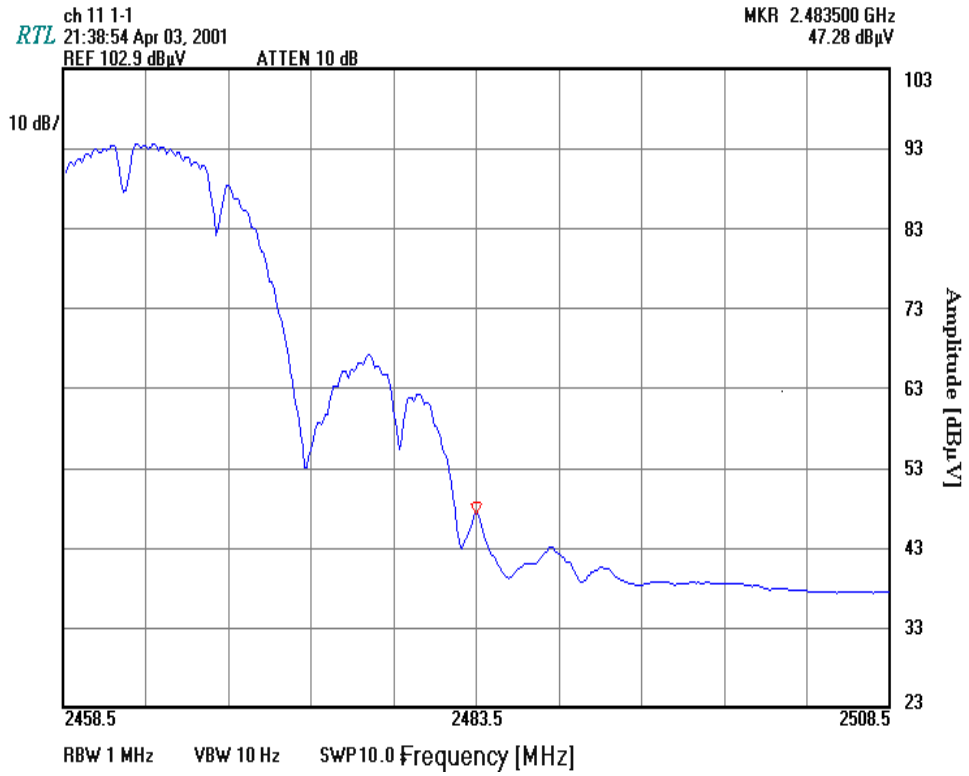
PLOT 14 CHANNEL 1 TOSHIBA CHIP ANTENNA 1MHZ/1MHZ





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PLOT 15 CHANNEL 11 TOSHIBA CHIP ANTENNA 1MHZ/10HZ

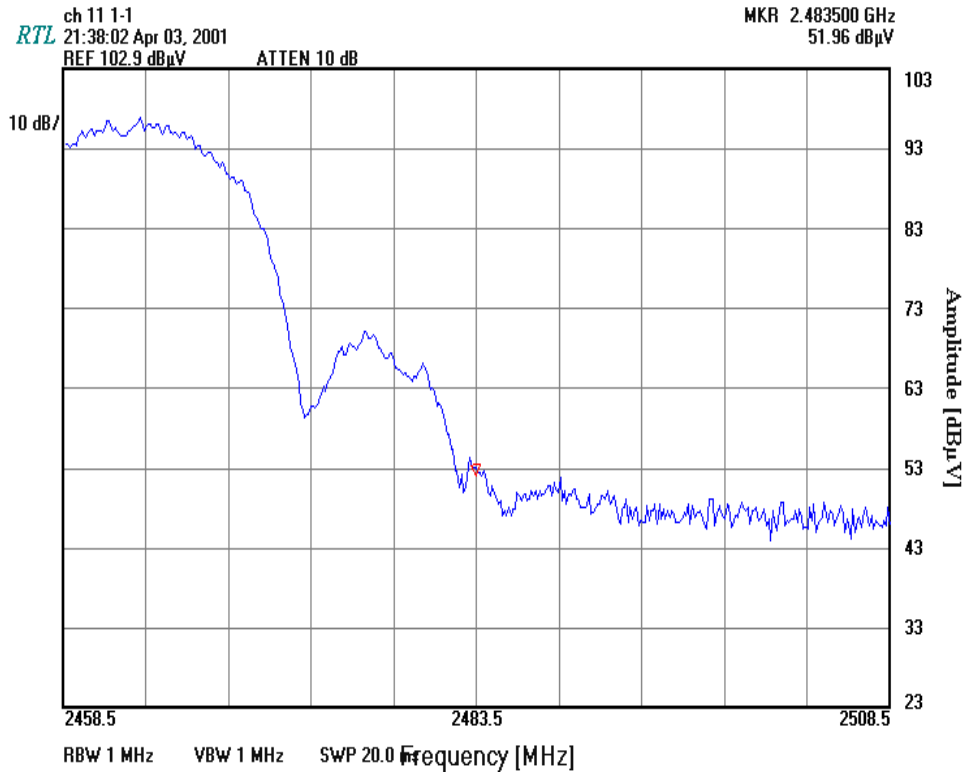






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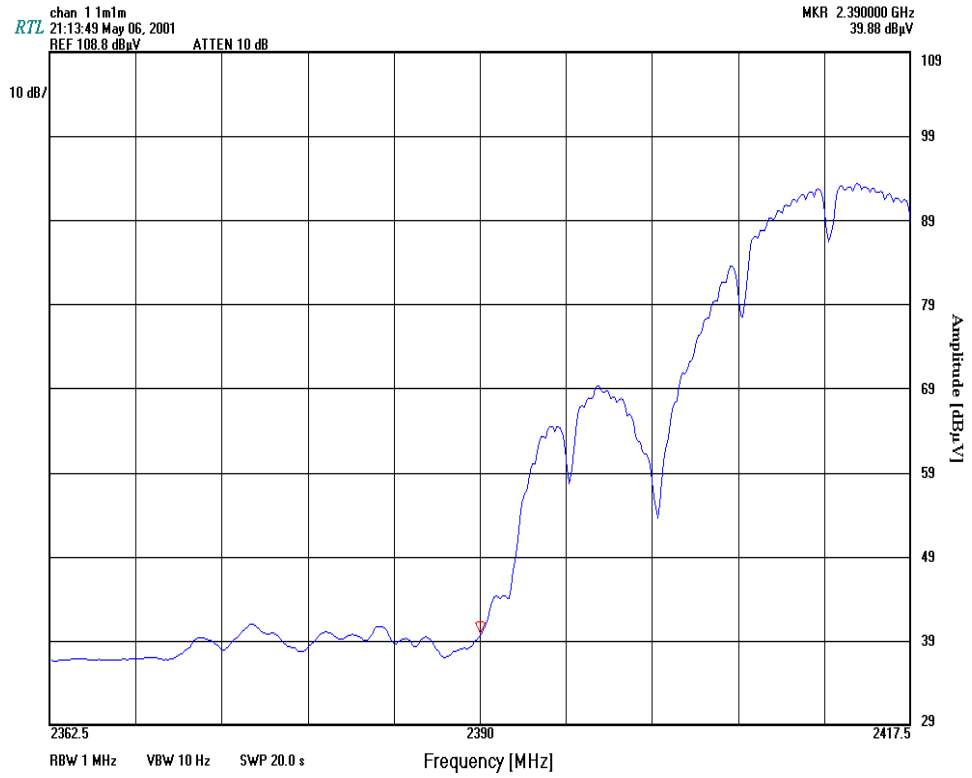
PLOT 16 CHANNEL 11 TOSHIBA CHIP ANTENNA 1MHZ/1MHZ





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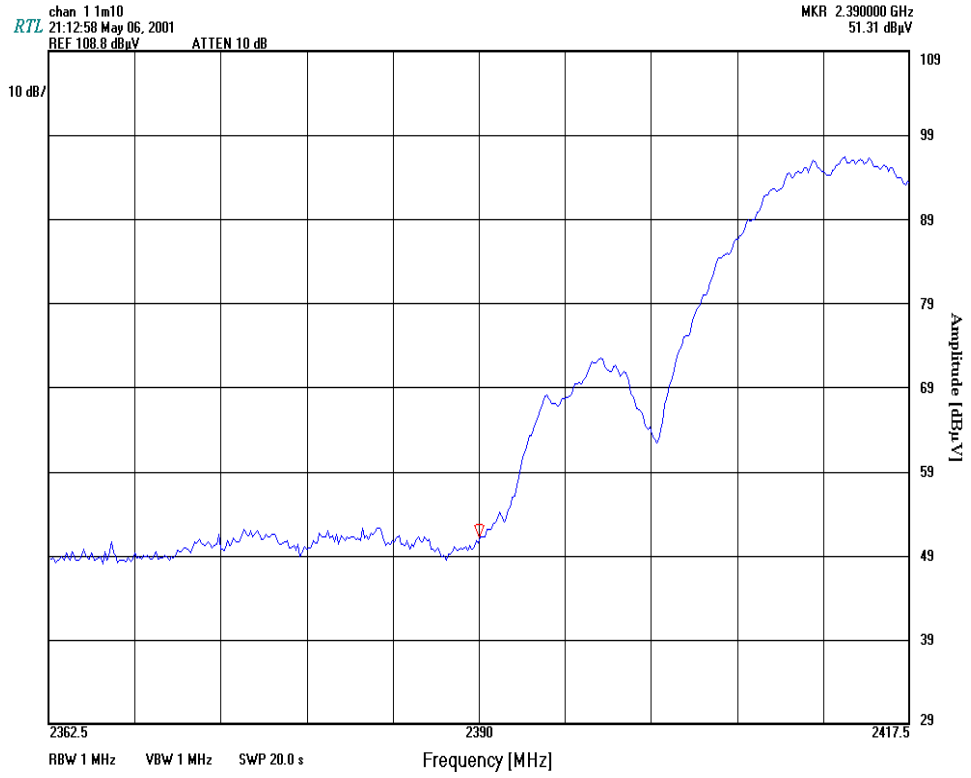
PLOT 17 CHANNEL 1 INVERTED F TOSHIBA ANTENNA 1MHZ/10HZ





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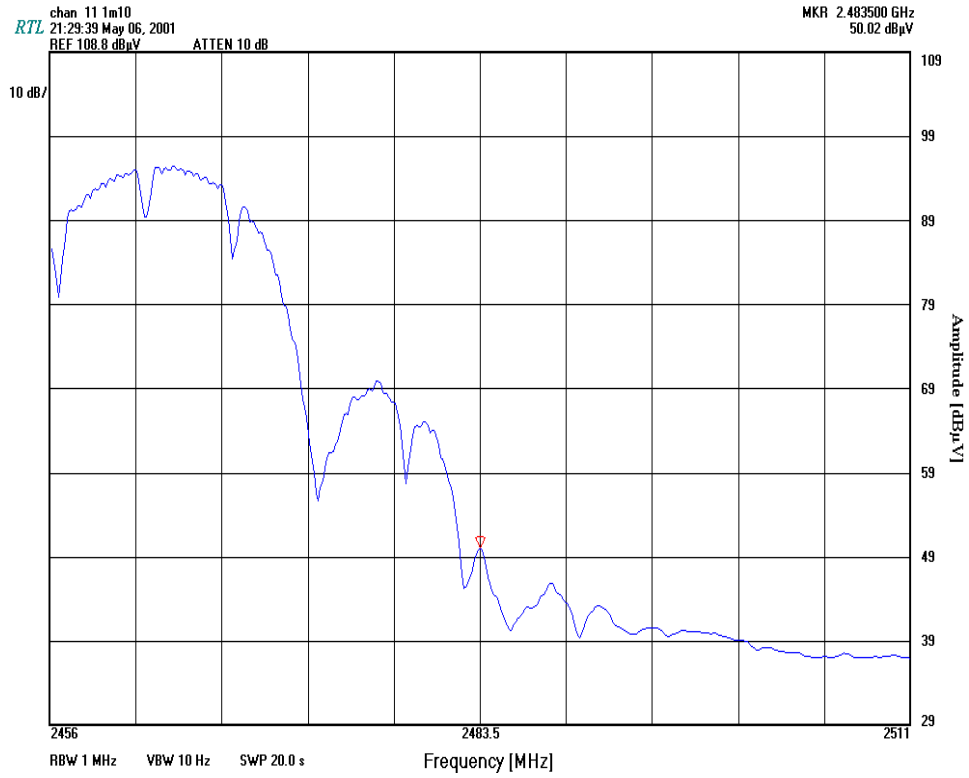
PLOT 18 CHANNEL 1 INVERTED F TOSHIBA ANTENNA 1MHZ/1MHZ





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PLOT 19 CHANNEL 11 INVERTED F TOSHIBA ANTENNA 1MHZ/10HZ





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PLOT 20 CHANNEL 11 INVERTED F TOSHIBA ANTENNA 1MHZ/1MHZ

