Exhibit 6

INDEX OF TEST RESULTS

Exhibit #	Description
6A	800 band/Part 22: RF Power
6B	800 band/Part 22: Modulation Characteristics
6C	800 band/Part 22: Occupied bandwidth
6D	800 band/Part 22: Spurious Emissions (conducted)
6E	800 band/Part 22: Spurious Emissions (radiated)
6F	800 band/Part 22: Frequency Stability

EXHIBIT 6A1

800 MHz : RF POWER OUTPUT

Para. 2.985 (a) and 22.913 (a)

The RF power measured at the output terminals (antenna connector) is plotted against supply voltage variation and temperature variations at the highest levels.

Supply

Exhibit	Voltage (V)	Temperature	TX Freq	Output (W)	Power Level	Analog/Digital
6A2	4.8	Varied	Mid Band	.4 W	0	Analog
6A3	Varied	+25 C	Mid Band	.4 W	0	Analog

The measurements were made per IS-137A using a Hewlett Packard 8953DT North American Dual Mode Cellular Test System which includes the following equipment:

HP8958A Cellular Interface
HP6623A DC Power Supply
HP8596E Spectrum Analyzer
HP437B RF Power Meter
HP8901B Modulation Analyzer
HP8903B Audio Analyzer
Thermotron SM-8C Temperature Chamber

EFFECTIVE RADIATED POWER

The following is a description of the substitution method used in accordance with IS-137A to obtain accurate ERP readings at the carrier fundamental frequency:

(1) EUT measurements are made at 3 m using calibrated antennas and equipment with known cable losses.
(2) A peak measurement is made by raising and lowering the antenna and rotating the EUT 360 degrees. Horizontal and vertical polarization data is recorded.
(3) A generator and dipole antenna are then substituted for the EUT. The dipole antenna is a half-wave dipole. If a dipole antenna cannot be used, then the designated antenna is referenced to a dipole antenna.
(4) Measurements are made through the dipole antenna at known power levels to determine the system calibration factors at a given frequency.
(5) At frequencies where no calibration data is taken, the value is interpolated between the closest data point above and below the transmit frequency. Calibration data is taken with a half-wave dipole antenna.

Measurements at a distance of 3 m from the source at the highest power level setting:

Frequency (MHz)	Rated Output Power (W)	EDRP (dBm)
836.49	0.186	22.72

Exhibit 6A2

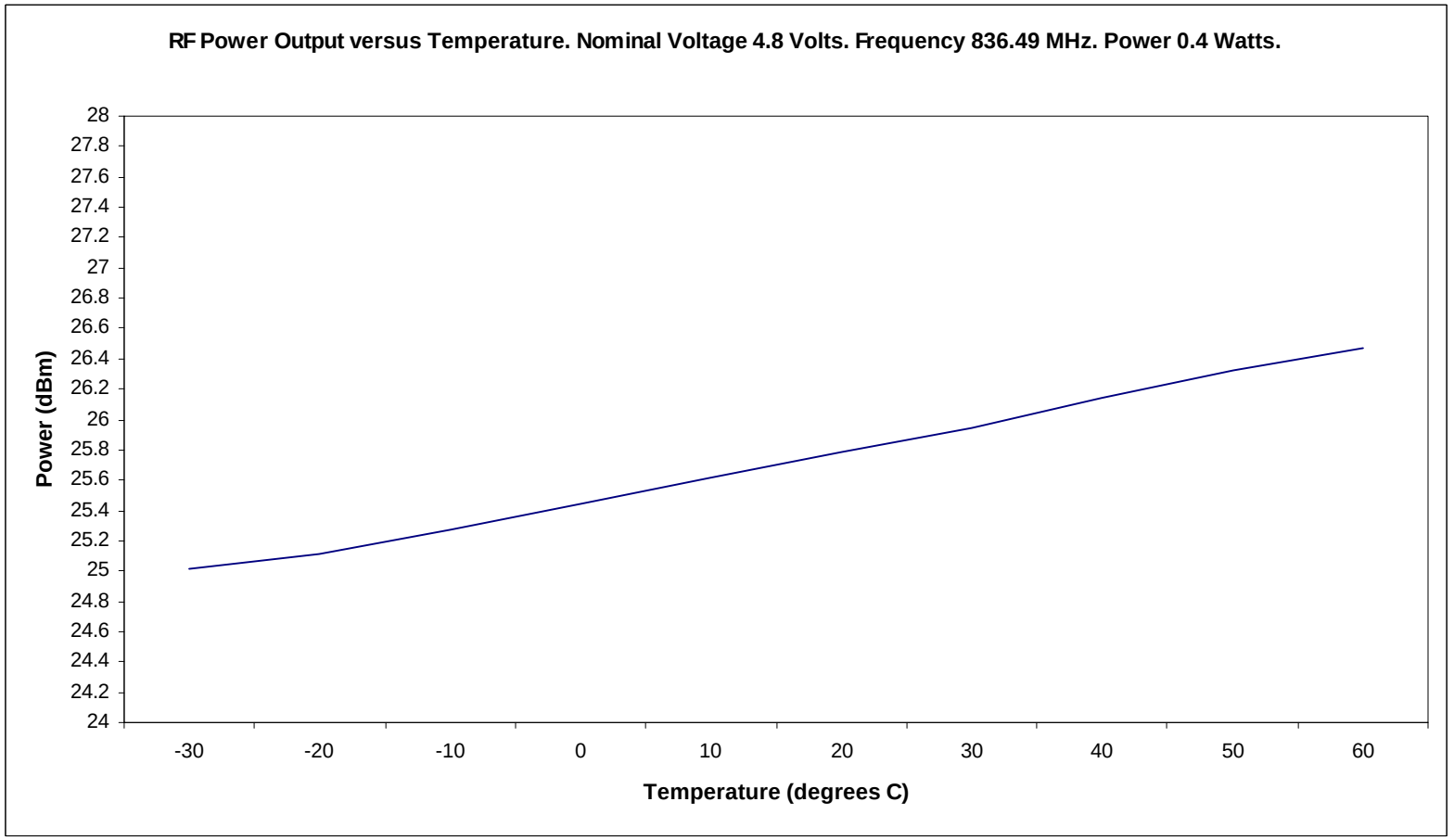


Exhibit 6A3

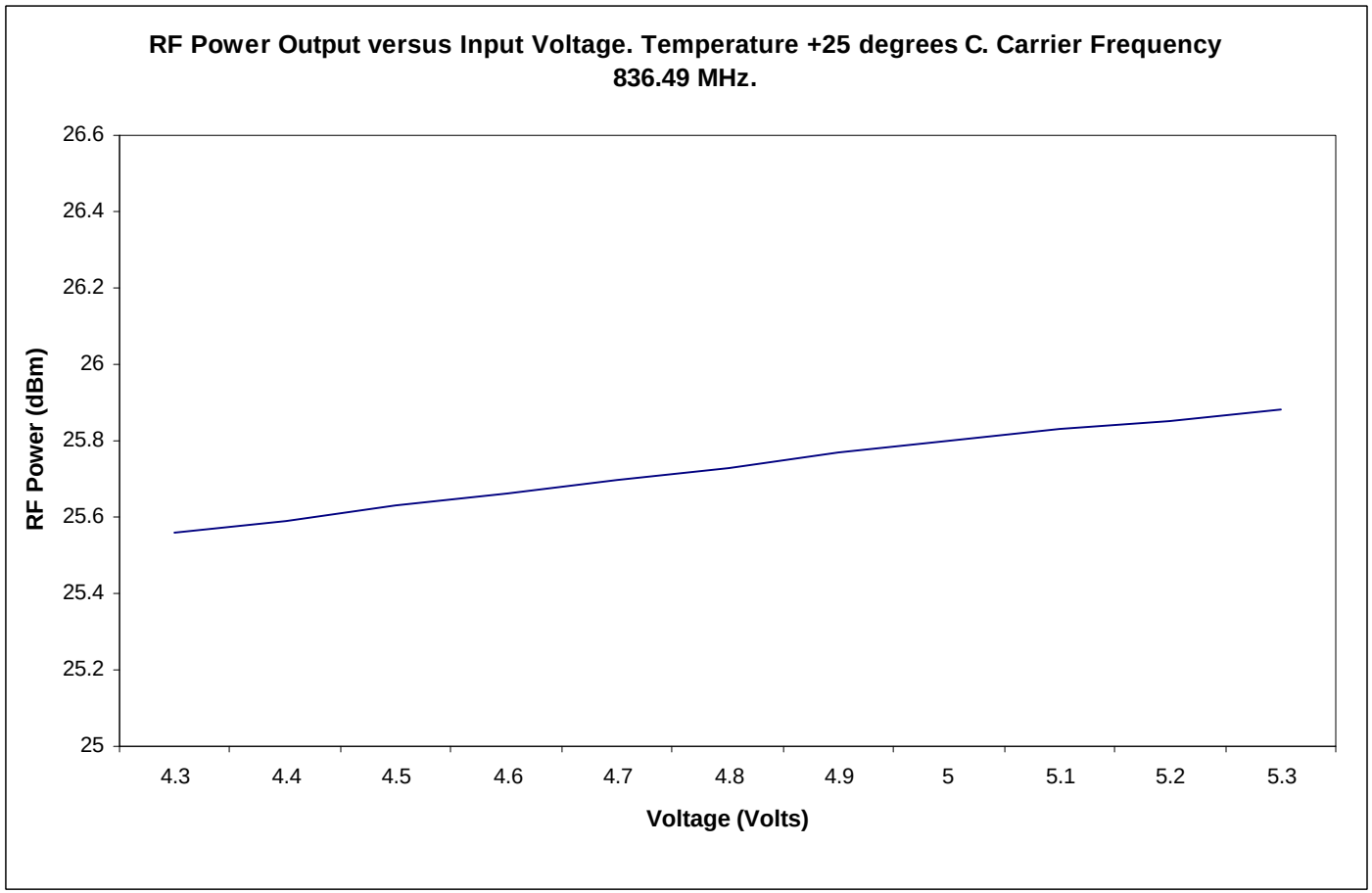


EXHIBIT 6B1

800 MHz : MODULATION CHARACTERISTICS

Per 2.987 (a), (b), (d) and 22.915 (b)(4)

The frequency and amplitude response to audio inputs measured per IS-137A are shown on the following:

Exhibit #	Description	
6B2	Transmit Audio Frequency Response	2.987 (a)
6B3	Post Limiter Filter Attenuation	22.915 (d)(1)
6B4	Modulation Limiting vs. Frequency	22.915 (b)(1)
6B5	Modulation Limiting vs. Input Voltage	2.987 (b)

The measurements were made per IS-137A using a Hewlett Packard 8953DT North American Dual Mode Cellular Test System which includes the following equipment:

HP8958A Cellular Interface
HP 6623A DC Power Supply
HP 8596E Spectrum Analyzer
HP 437B RF Power Meter
HP 8901B Modulation Analyzer
HP 8903B Audio Analyzer
HP 35679 Signal Analyzer
B&KJ 2012 B&K Audio Analyzer (Exhibit 6B3 only)
Thermotron SM-8C Temperature Chamber

Exhibit 6B2

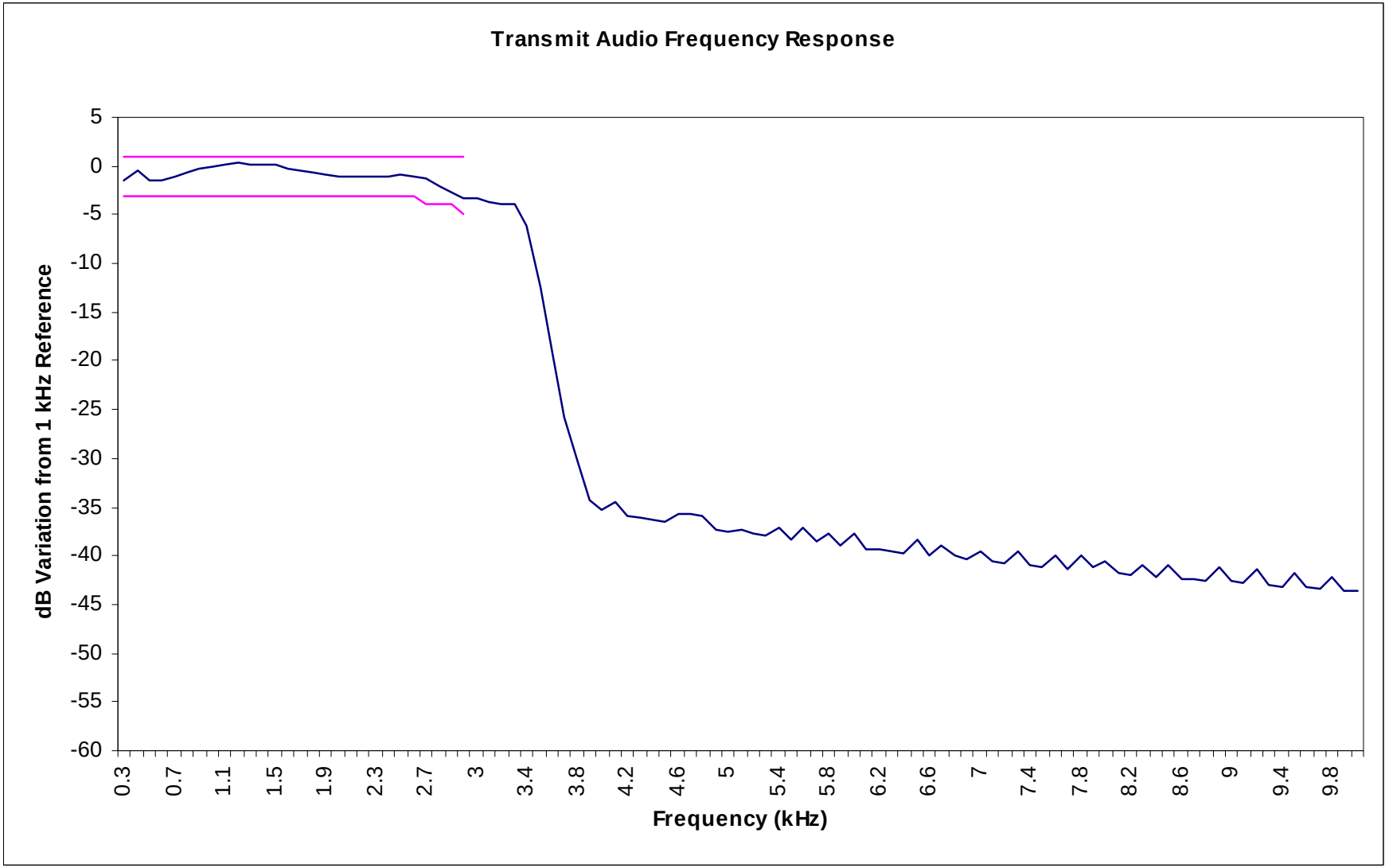


Exhibit 6B3

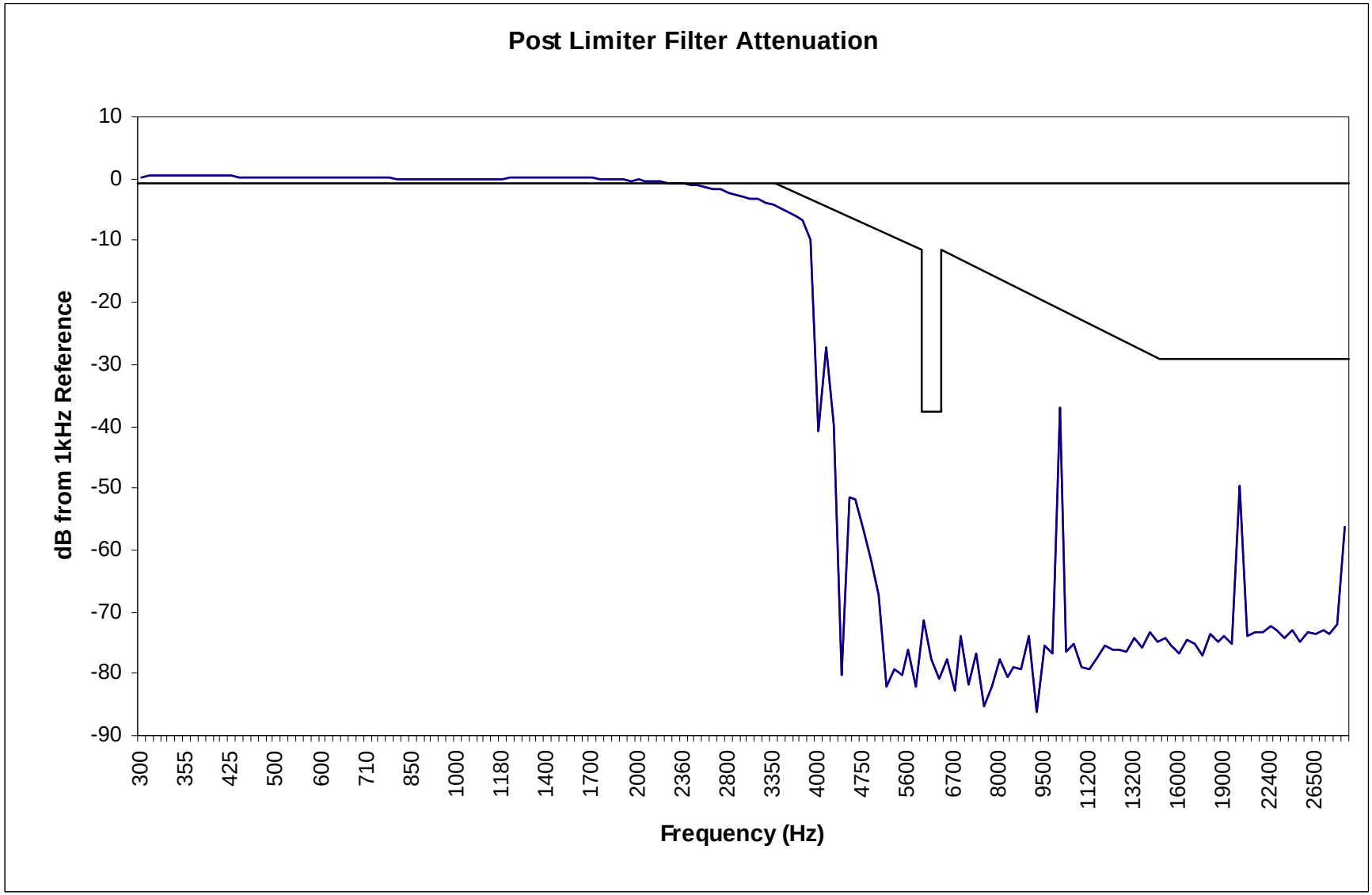


Exhibit 6B4

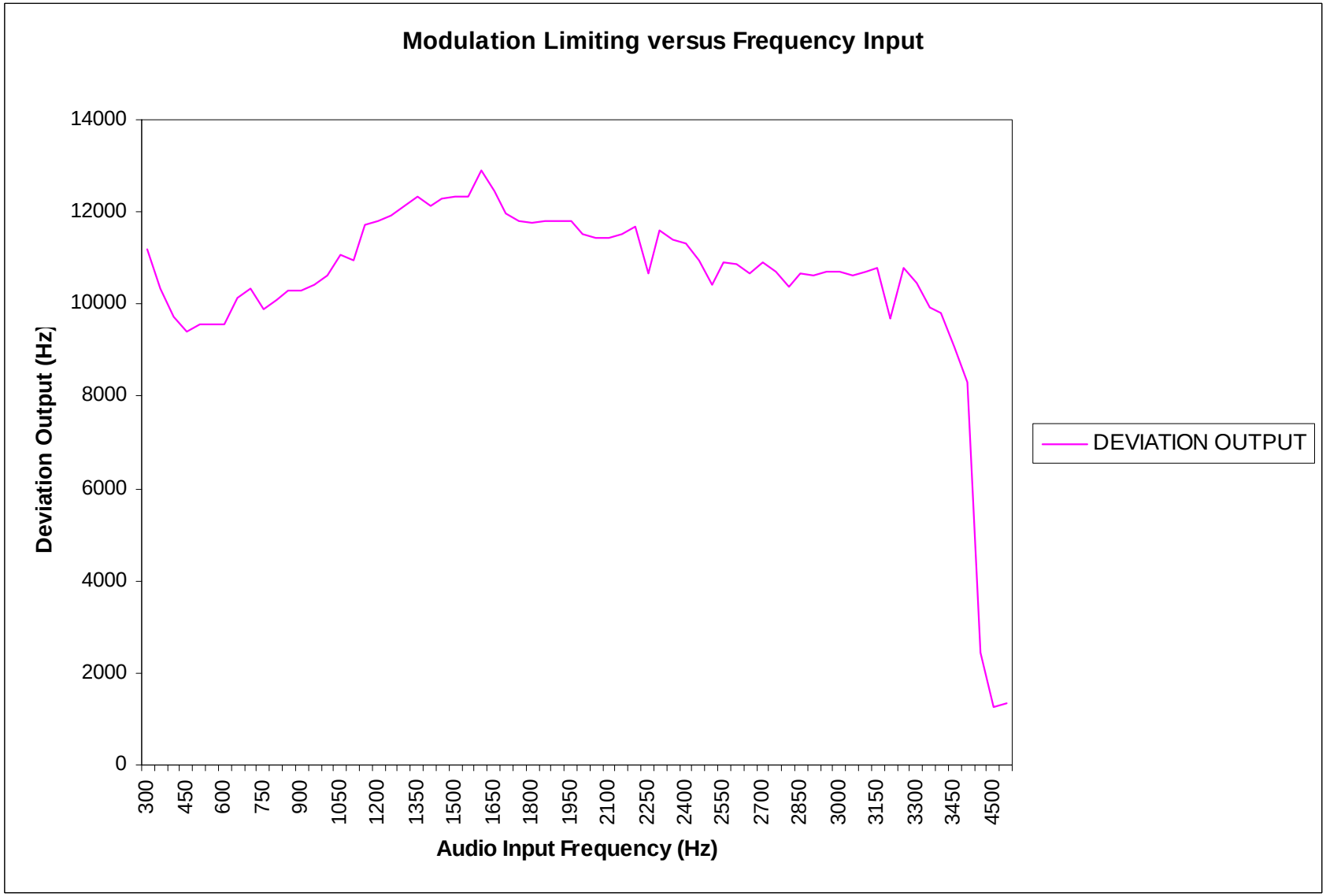
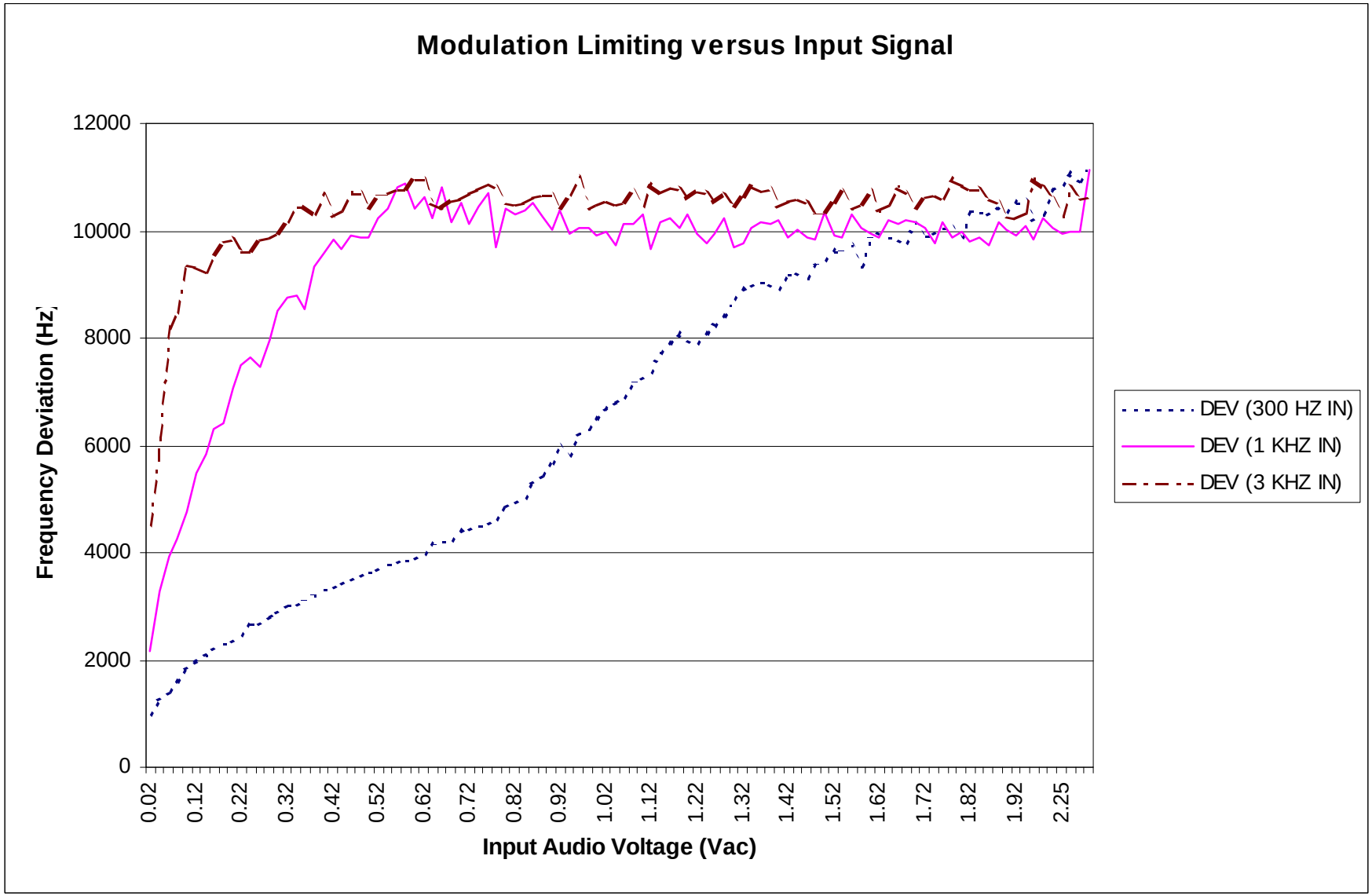


Exhibit 6B5



800 MHz : OCCUPIED BANDWIDTH

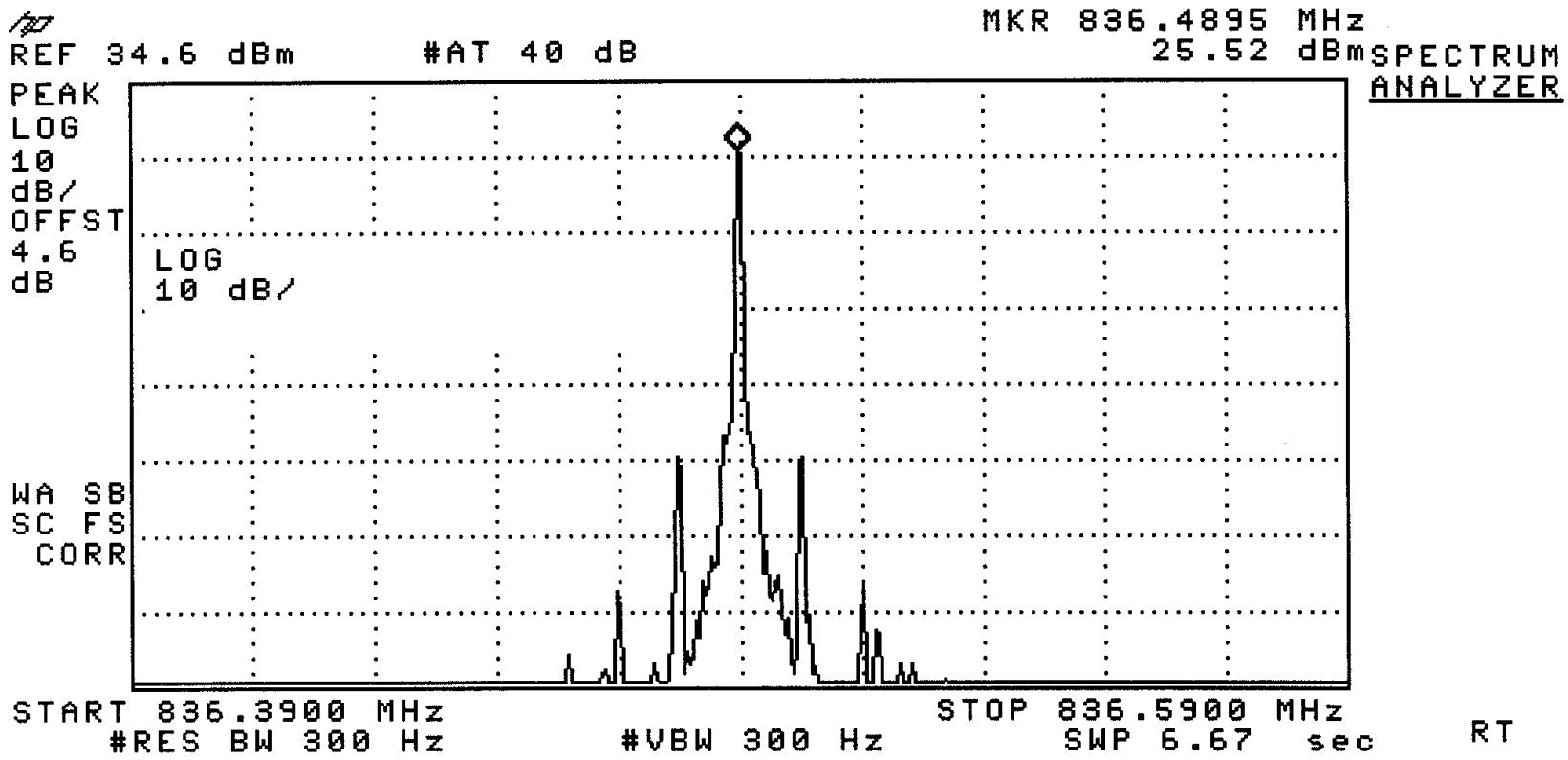
Per 2.989 (c), (1) (h) and 22.917 (d)(1) the exhibits presented show the modulations that co-exist in a cellular AMPS system.

Exhibit #	Description	Power Level
6C2	Unmodulated Carrier	0
6C3	SAT and Voice	0
6C4	SAT and Signal Tone	0
6C5	SAT and DTMF #3	0
6C6	SAT and 10kb/s Wideband Data	0
6C8	Unmodulated Carrier	7
6C9	SAT and Voice	7
6C10	SAT and Signal Tone	7
6C11	SAT and DTMF #3	7
6C12	SAT and 10 kb/s Wideband Data	7

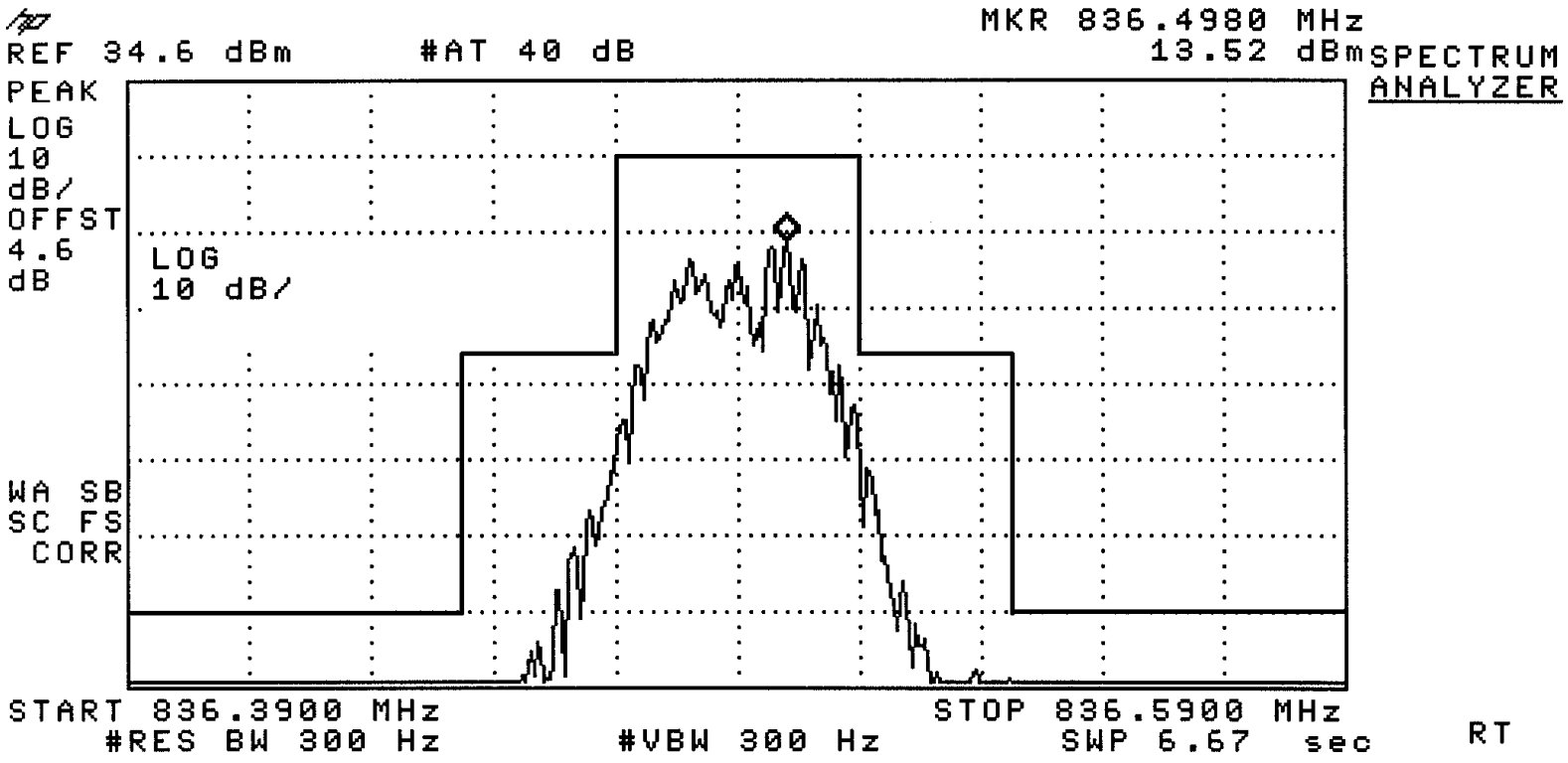
These measurements were made per IS-137A using a Hewlett Packard 8953DT North American Dual Mode Cellular Test System which includes the following equipment:

HP 8958A	Cellular Interface
HP 6623A	DC Power Supply
HP 8596E	Spectrum Analyzer
HP 437B	RF Power Meter
HP 8901B	Modulation Analyzer
HP 8903B	Audio Analyzer
Thermotron SM-8C	Temperature Chamber

Exhibit 6C2

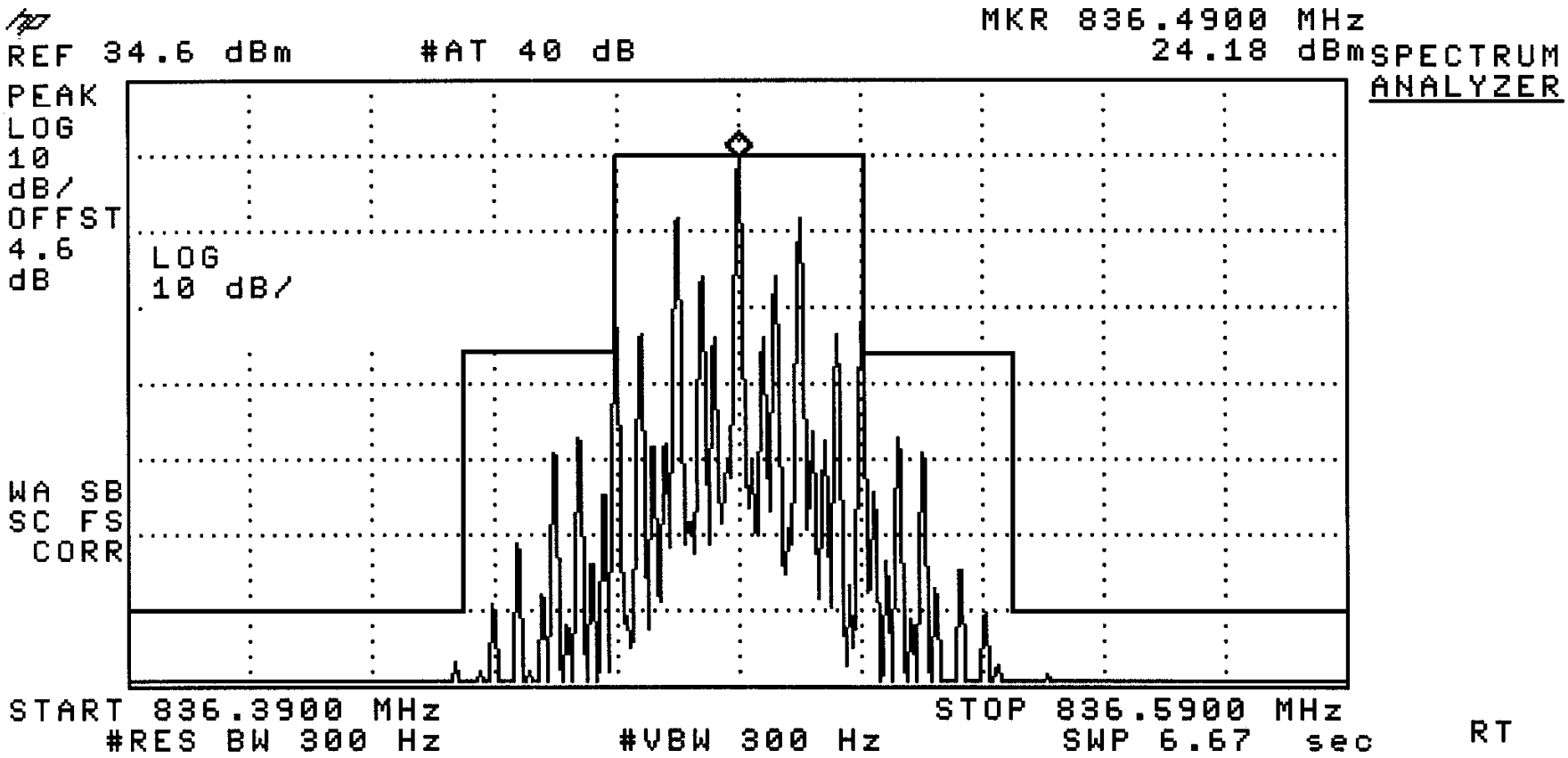


Unmodulated Carrier. Power Level 0, Carrier Frequency 836.49 MHz, Carrier Power 25.48 dBm.



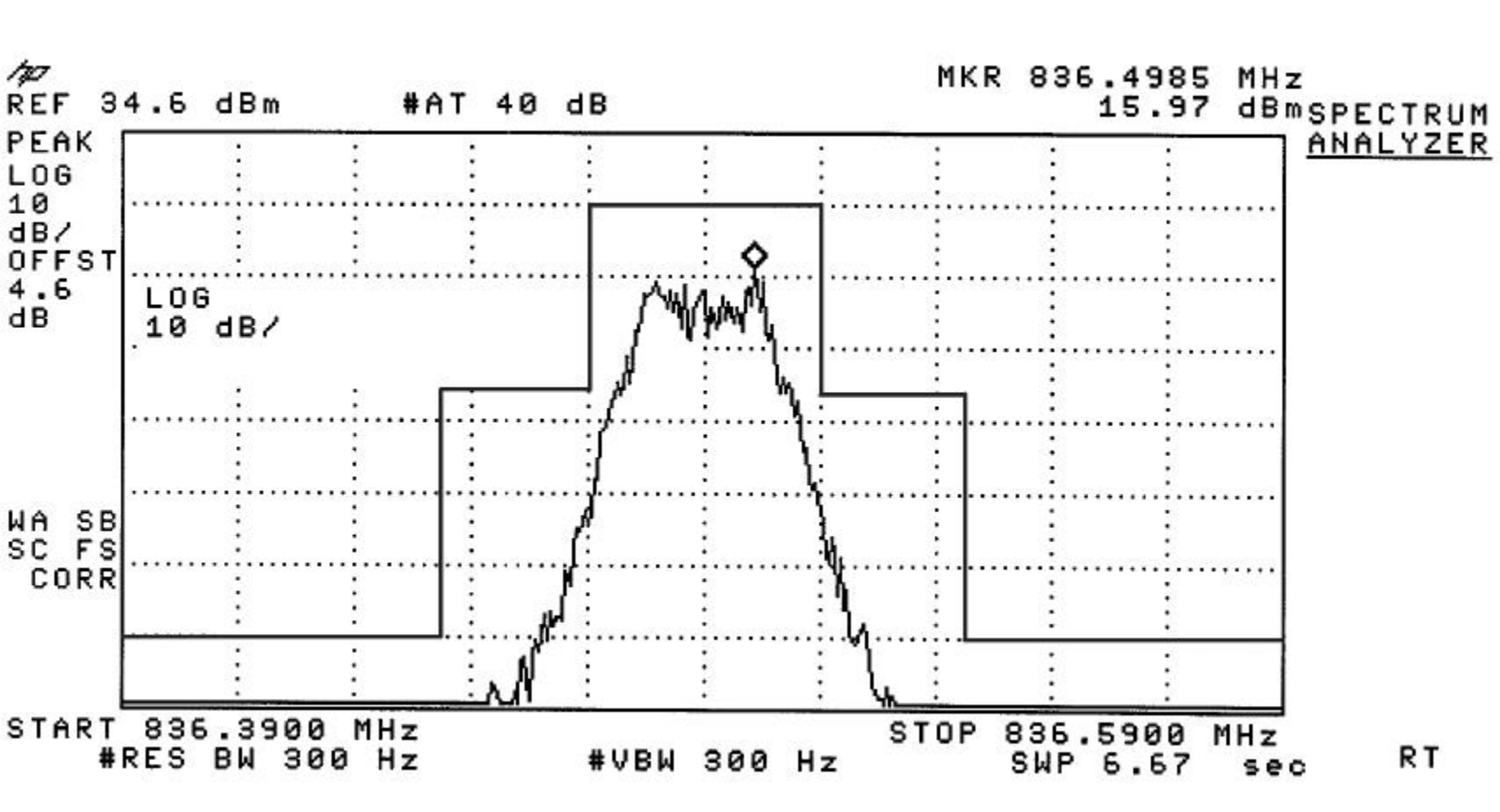
SAT and Voice. Power Level 0, Carrier Frequency 836.49 MHz, Carrier Power 25.48 dBm. Voice Tone 2500 Hz, SAT 6000 Hz. F3E Emissions Mask.

Exhibit 6C4



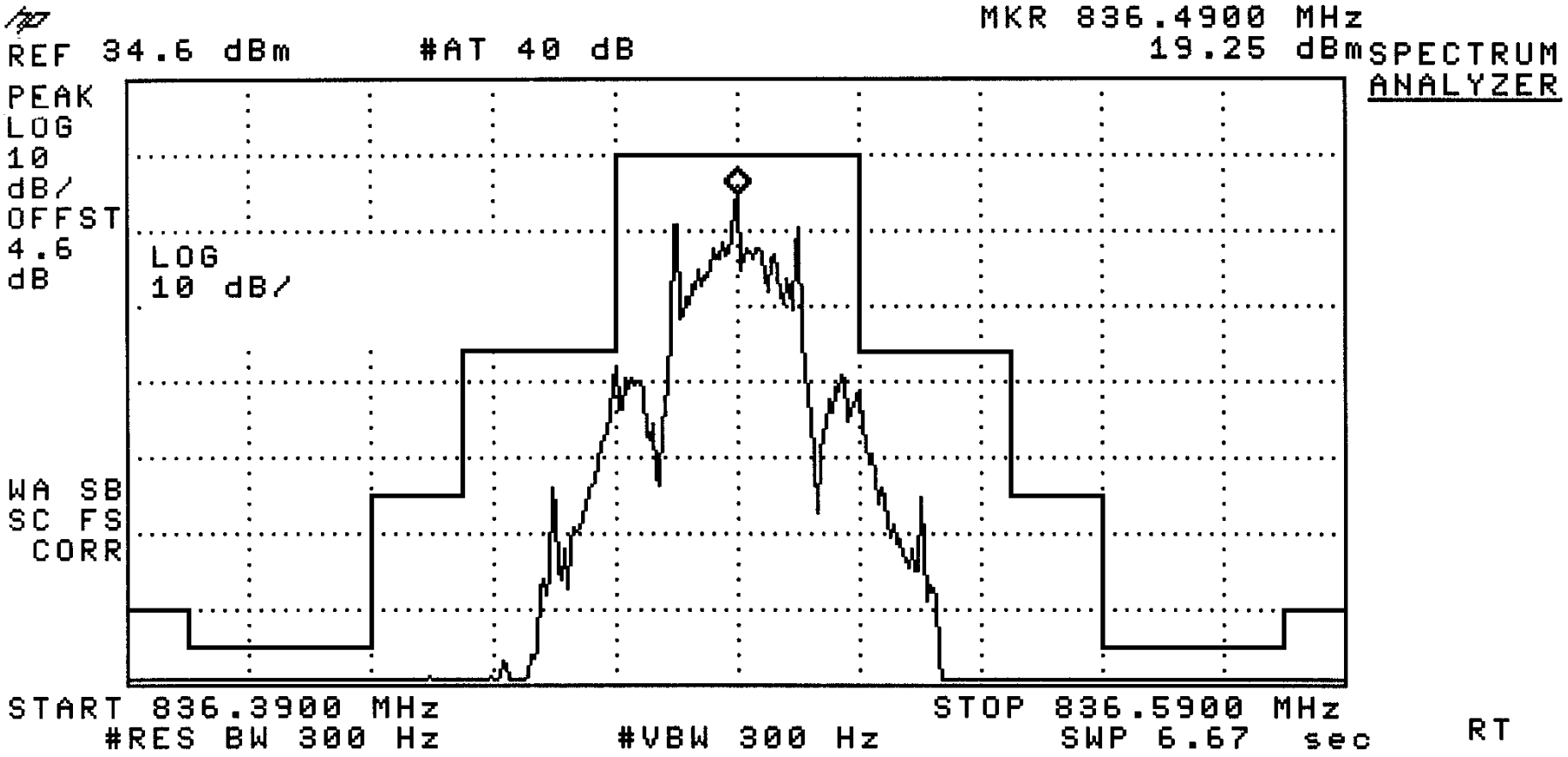
SAT and Signalling Tone. Power Level 0, Carrier Frequency 836.49 MHz, Carrier Power 25.48 dBm. F3E Emissions Mask.

Exhibit 6C5



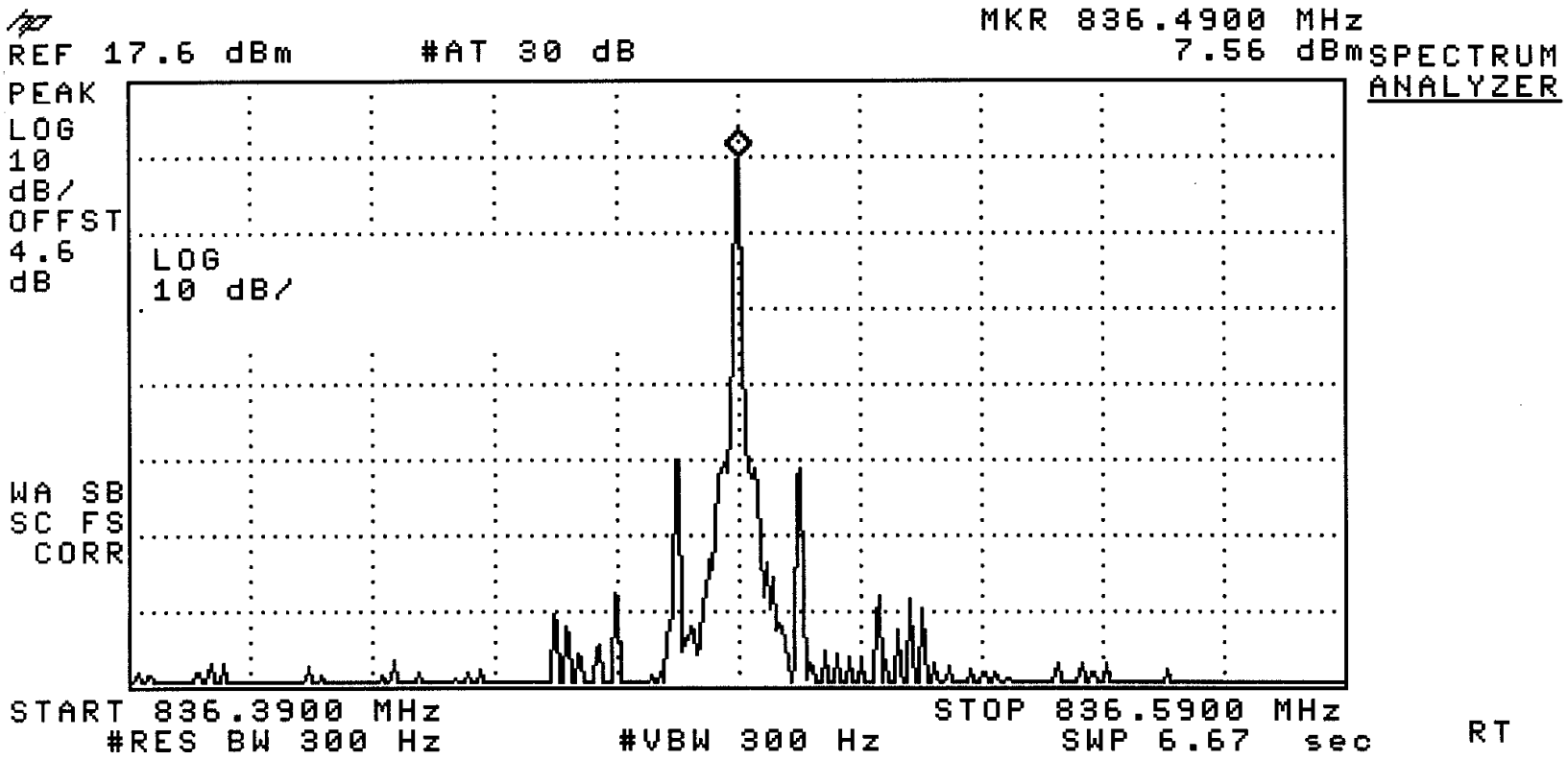
SAT and DTMF #3. Power Level 0, Carrier Frequency 836.49 MHz, Carrier Power 25.48 dBm. F3E Emissions Mask

Exhibit 6C6

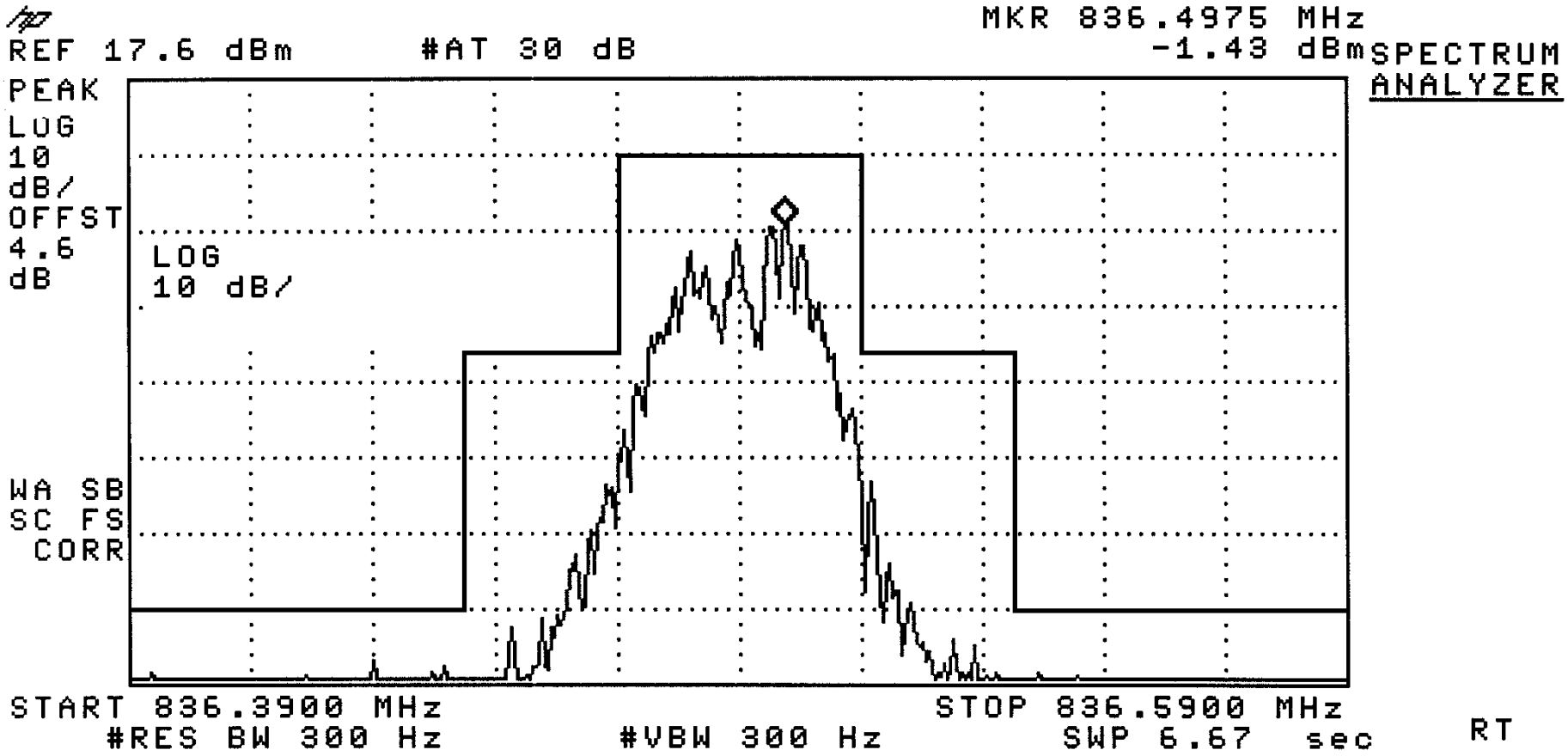


SAT and Wideband 10 kb/S Digital data. Power Level 0, Carrier Frequency 836.49 MHz, Carrier Power 25.48 dBm. F1D Emissions Mask.

Exhibit 6C8

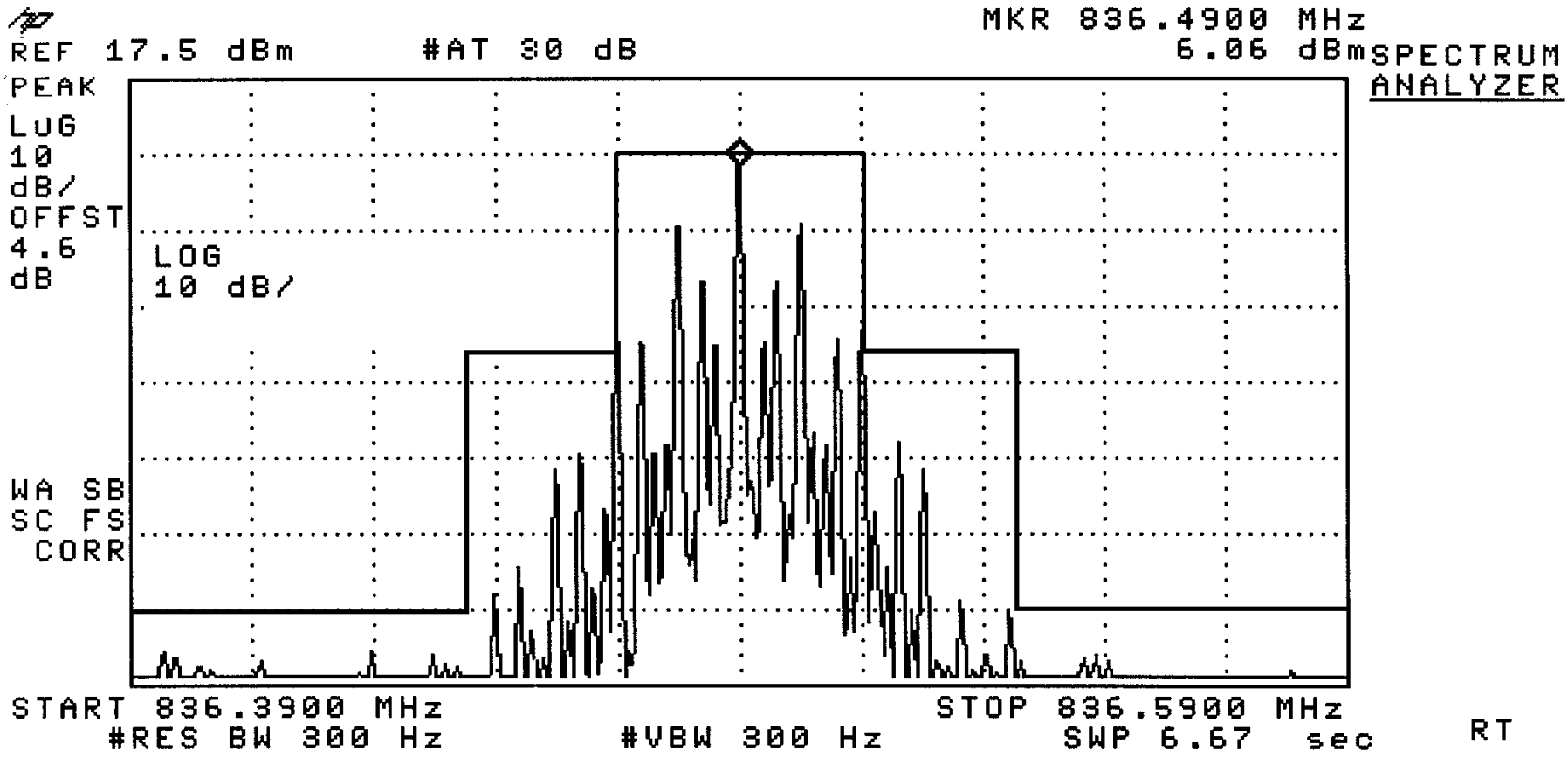


Unmodulated Carrier. Power Level 7, Carrier Frequency 836.49 MHz, Carrier Power 6.99 dBm.



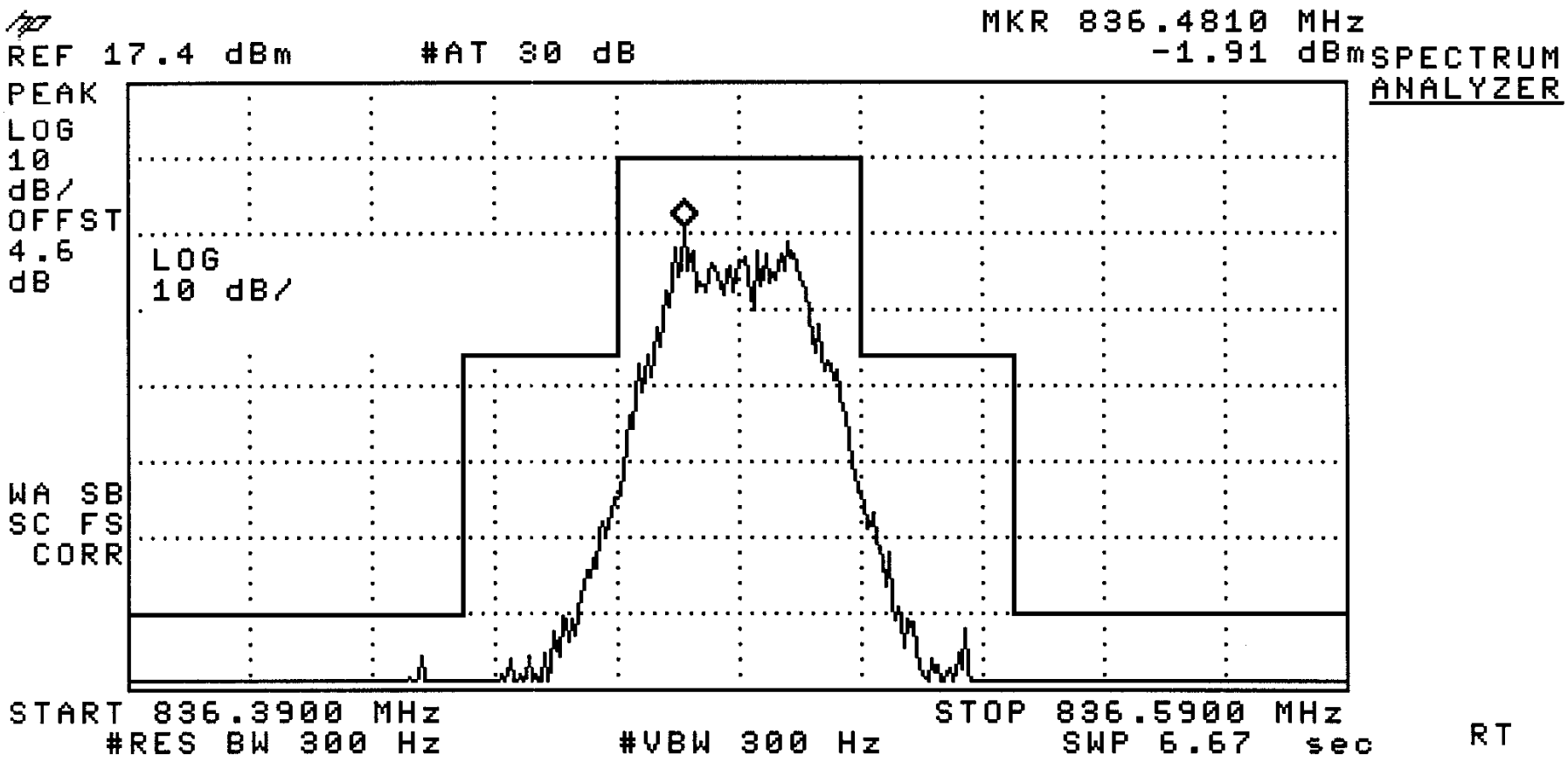
SAT and Voice. Power Level 7, Carrier Frequency 836.49 MHz, Carrier Power 6.99 dBm. F3E Emissions Mask.

Exhibit 6C10



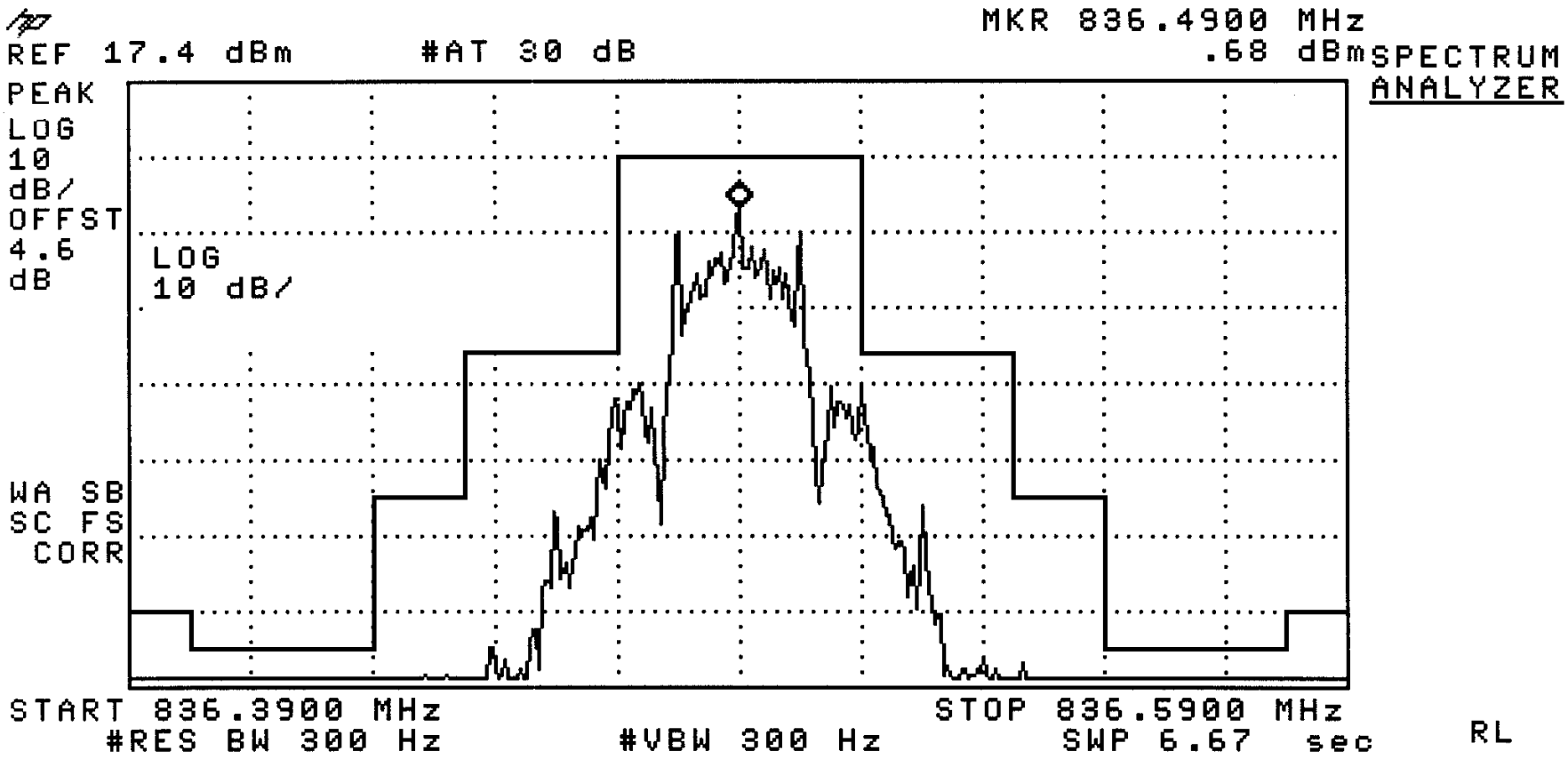
SAT and Signalling Tone. Power Level 7, Carrier Frequency 836.49 MHz, Carrier Power 6.99 dBm. F3E Emissions Mask.

Exhibit 6C11



SAT and DTMF #3. Power Level 7, Carrier Frequency 836.49 MHz, Carrier Power 6.99 dBm. F3E Emissions Mask.

Exhibit 6C12



SAT and Wideband 10 kb/S Digital data. Power Level 7, Carrier Frequency 836.49 MHz, Carrier Power –4.51 dBm. F1D Emissions Mask.

EXHIBIT 6D1

800 MHz : SPURIOUS EMISSIONS (CONDUCTED)

Per 2.991 Spurious emissions at the antenna terminals (conducted) when properly loaded with an appropriate artificial antenna were measured per IS-137A.

EXHIBIT #	FREQUENCY	Output Power
6D2	824.04	.0004
6D3	824.04	.4
6D4	848.97	.0004
6D5	848.97	.4

The measurements were made per IS-137A using the following equipment:

Hp 8958A	Cellular Interface
Hp 8901B	Modulation Analyzer
Hp 8559A	Spectrum Analyzer

Exhibit 6D2

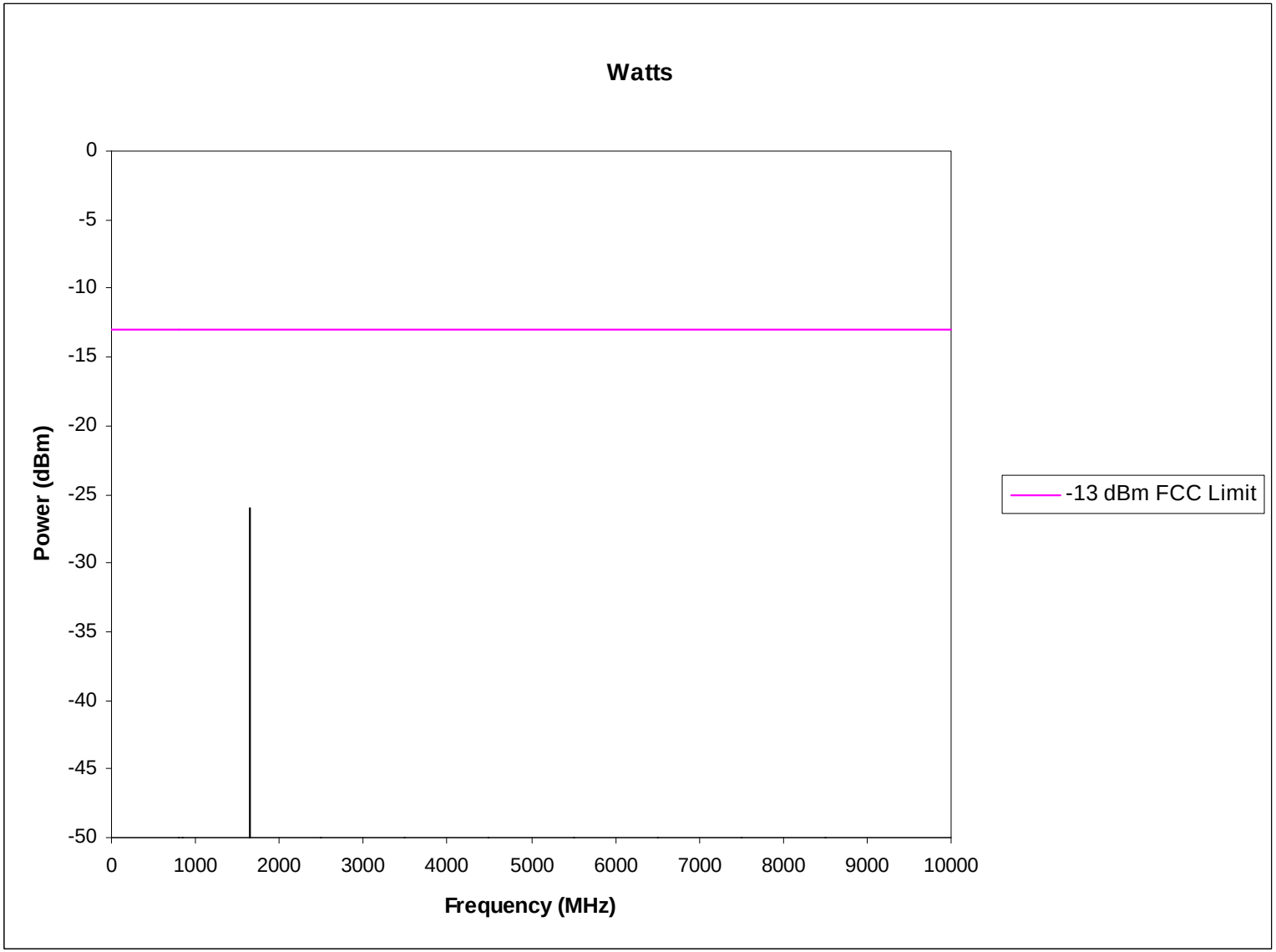


Exhibit 6D3

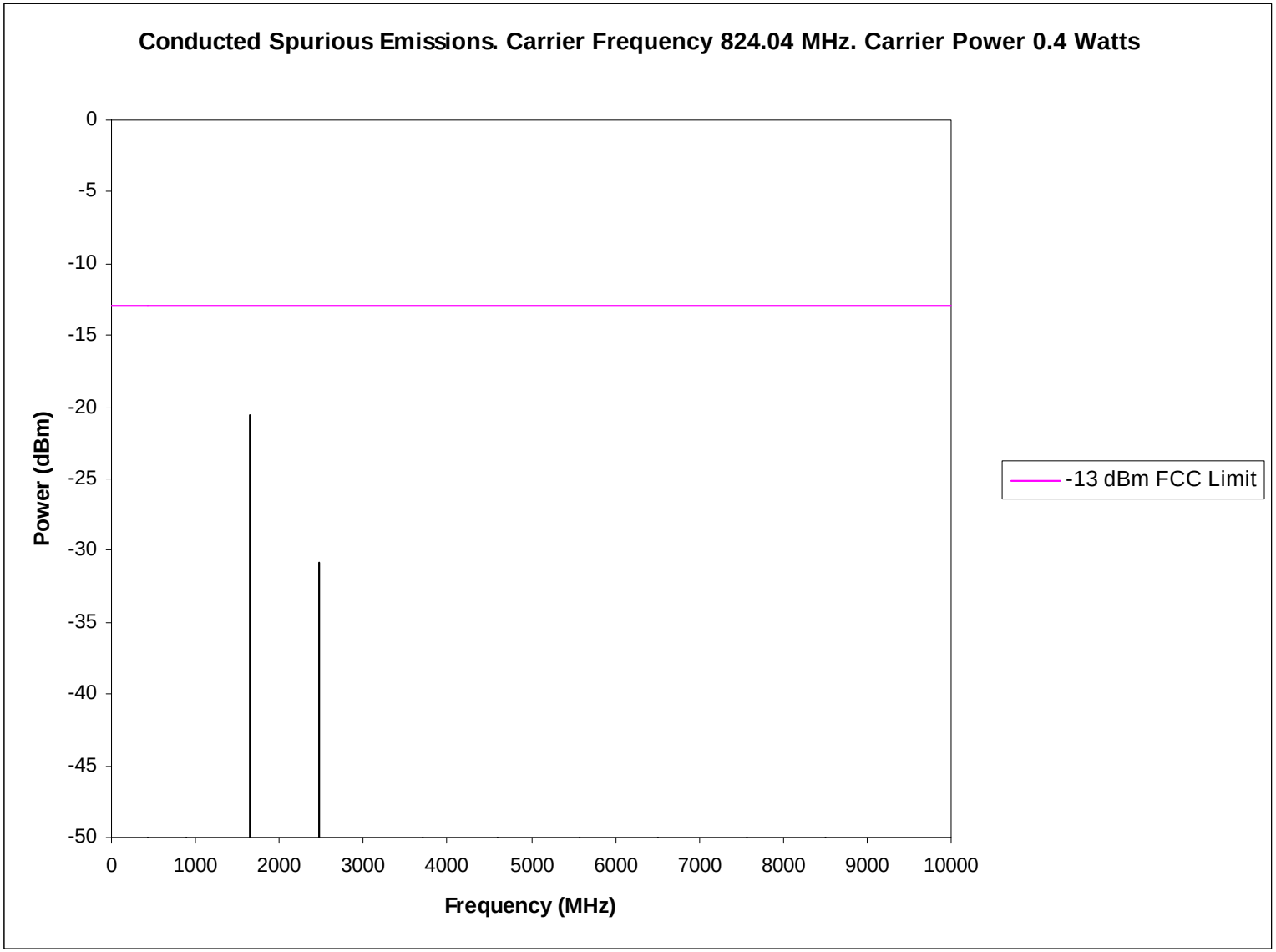


Exhibit 6D4

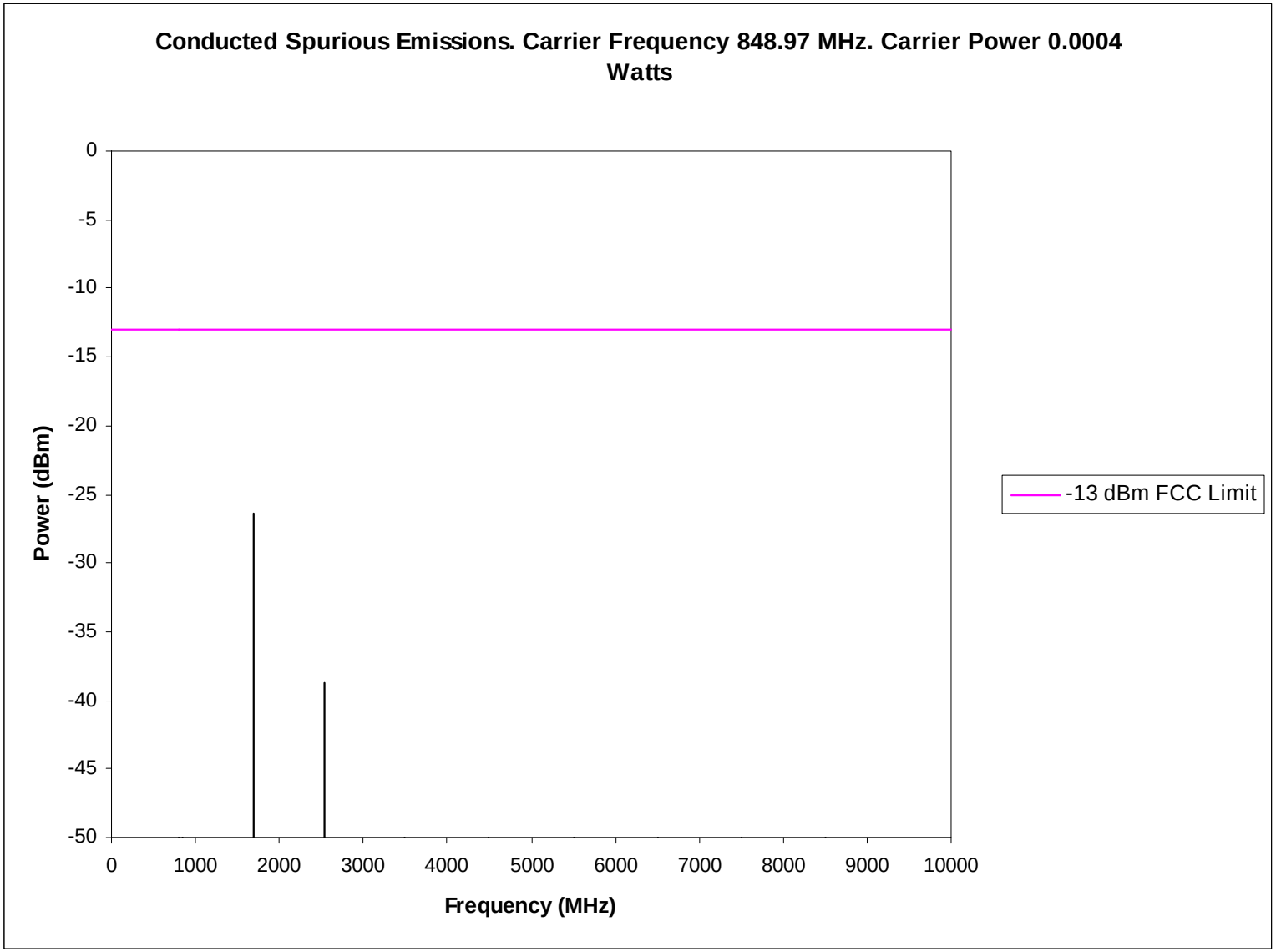
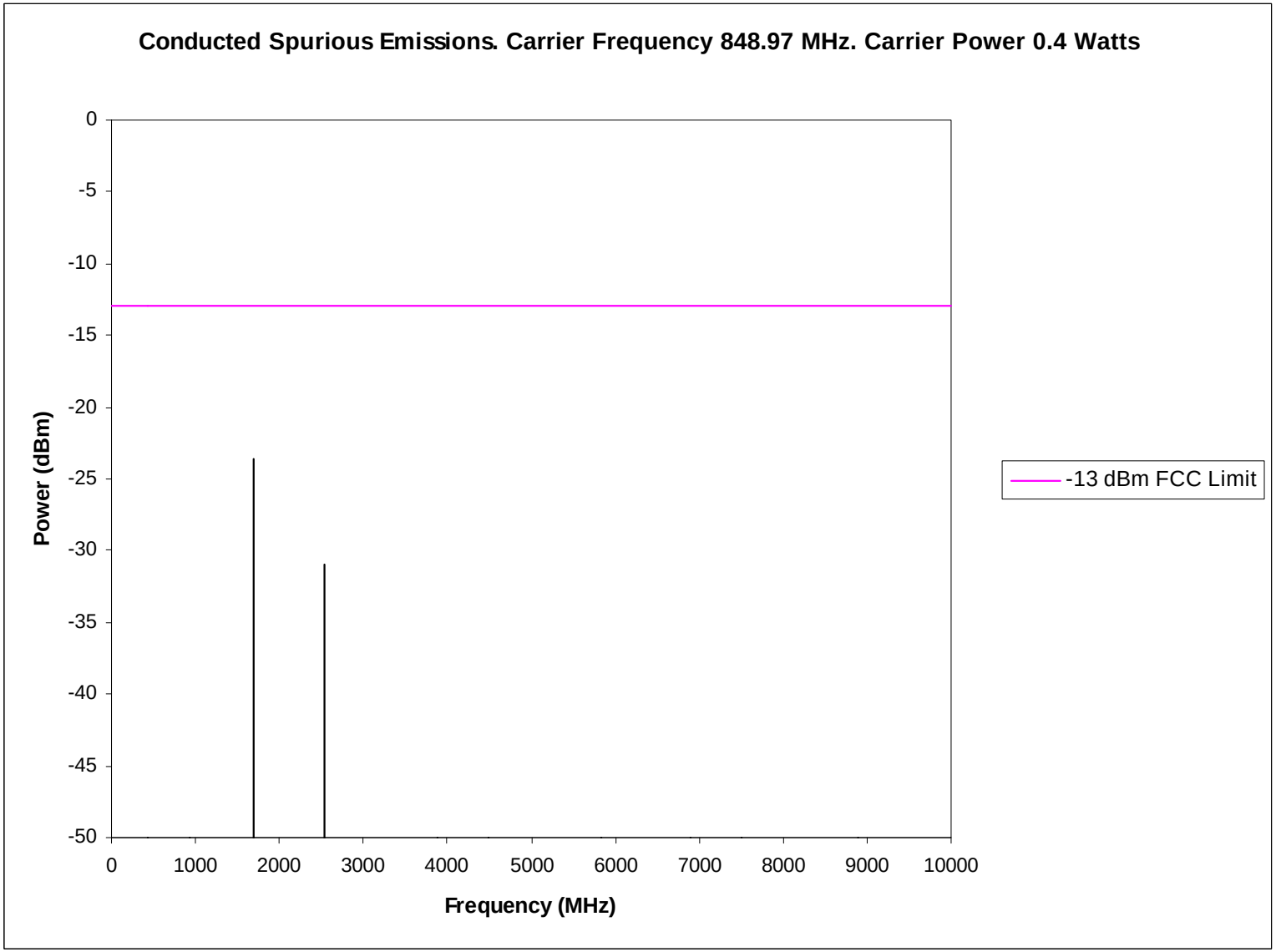


Exhibit 6D5



800 MHz: SPURIOUS EMISSIONS (Radiated)

Per 2.993 and 22.917 (e), field strength of spurious radiation was measured at Underwriters Laboratories Inc. Research Triangle Park, NC site. Underwriter Laboratories Inc. Research Triangle site is NVLAP and FCC registered. The measurement procedure is per EIA IS-137 conducted on a 3 meter test site. Results are shown on the following Exhibits.

Note: The spectrum was examined through the 10^{th} harmonic of the carrier. Measurements recorded are peak measurements.

EXHIBIT	FREQUENCY	OUTPUT POWER
6E2	824.04/channel 799	.4
6E3	824.04 channel 799	.0004
6E4	848.97 channel 991	.4
6E5	848.97 channel 991	.0004

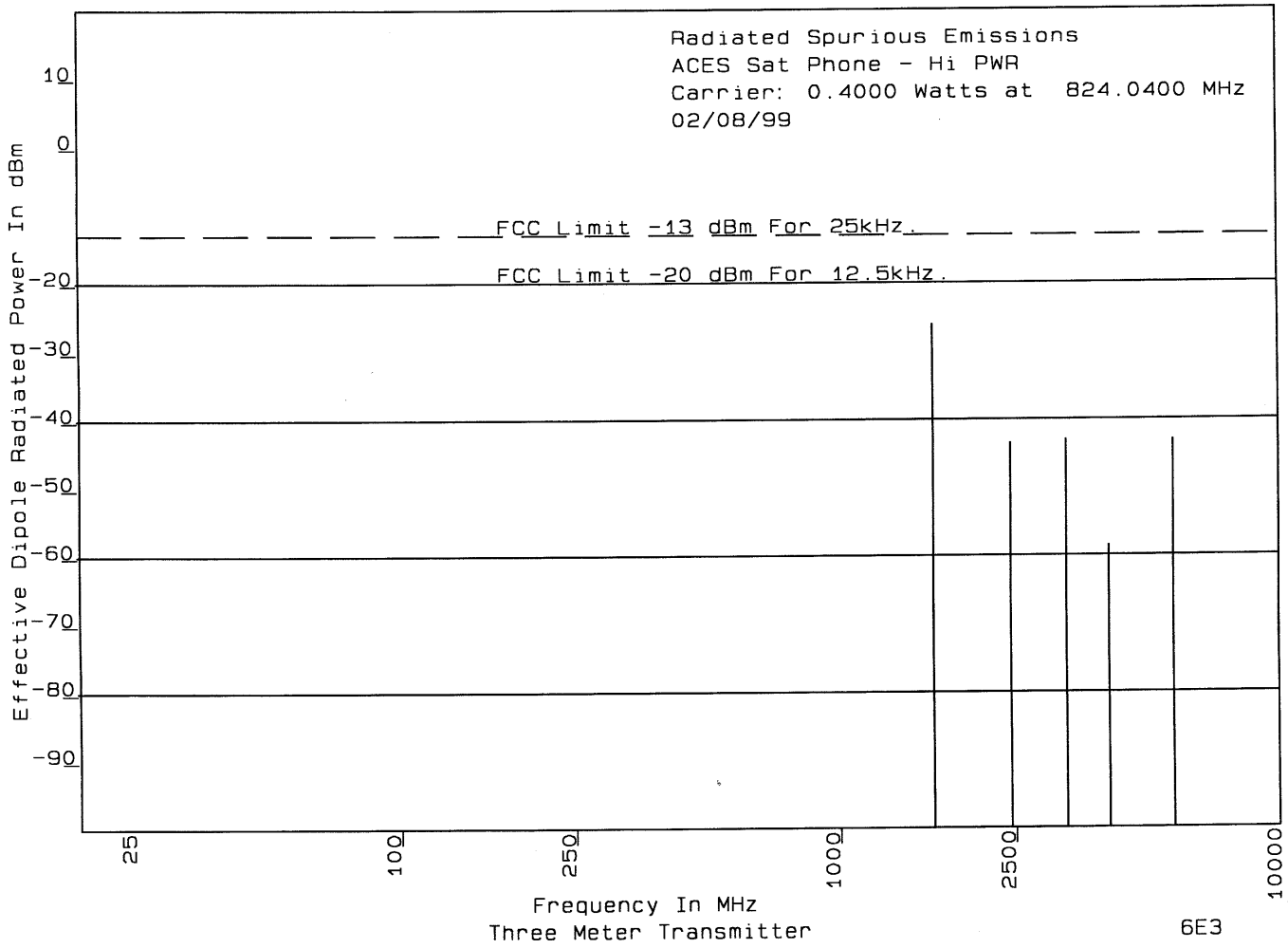
The measurements were made per IS-137A using the following equipment:

8566B Spectrum Analyzer 100 Hz - 2.5GHz \ 2 - 22 GHz
85650A Quasi Peak Detector
HP Amplifier 8449B Opt H02 1 - 26.5 GHz
HP Signal Generator 8657B .1 - 2060 MHz

APPLICANT:
ERICSSON INC

FCC ID NO:
AXATR-398-A2

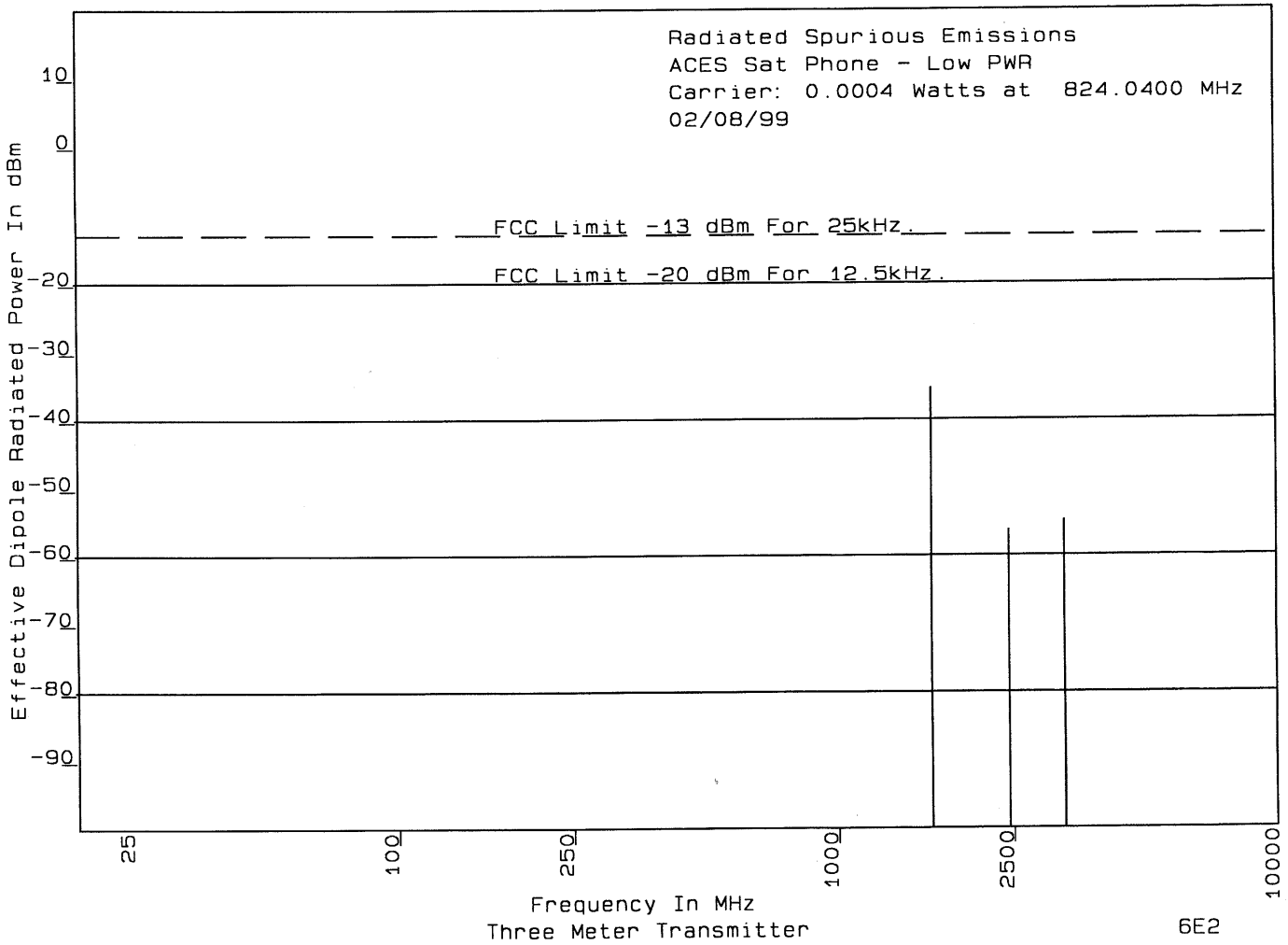
Exhibit 6E2



APPLICANT:
ERICSSON INC

FCC ID NO:
AXATR-398-A2

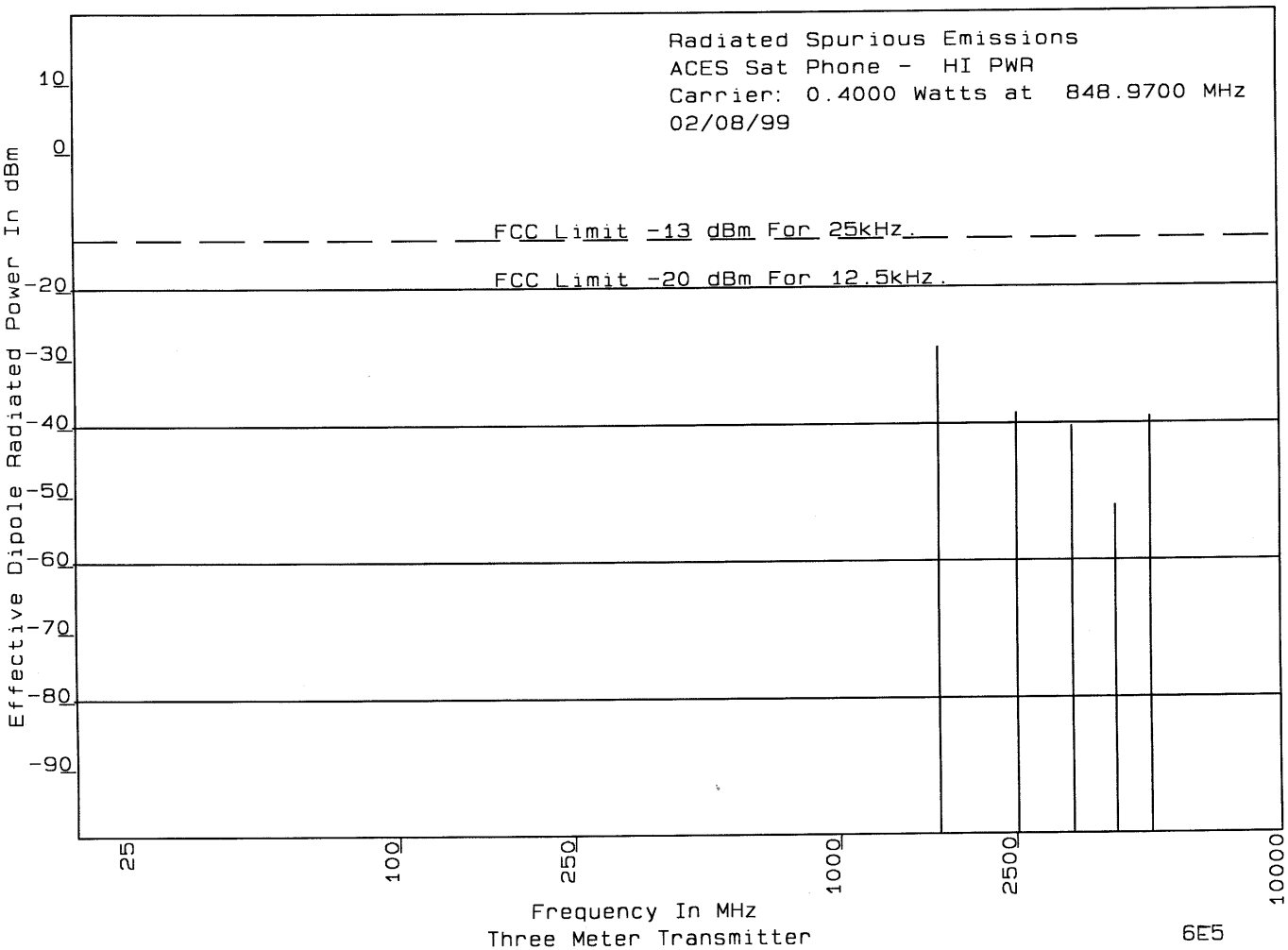
Exhibit 6E3



APPLICANT:
ERICSSON INC

FCC ID NO:
AXATR-398-A2

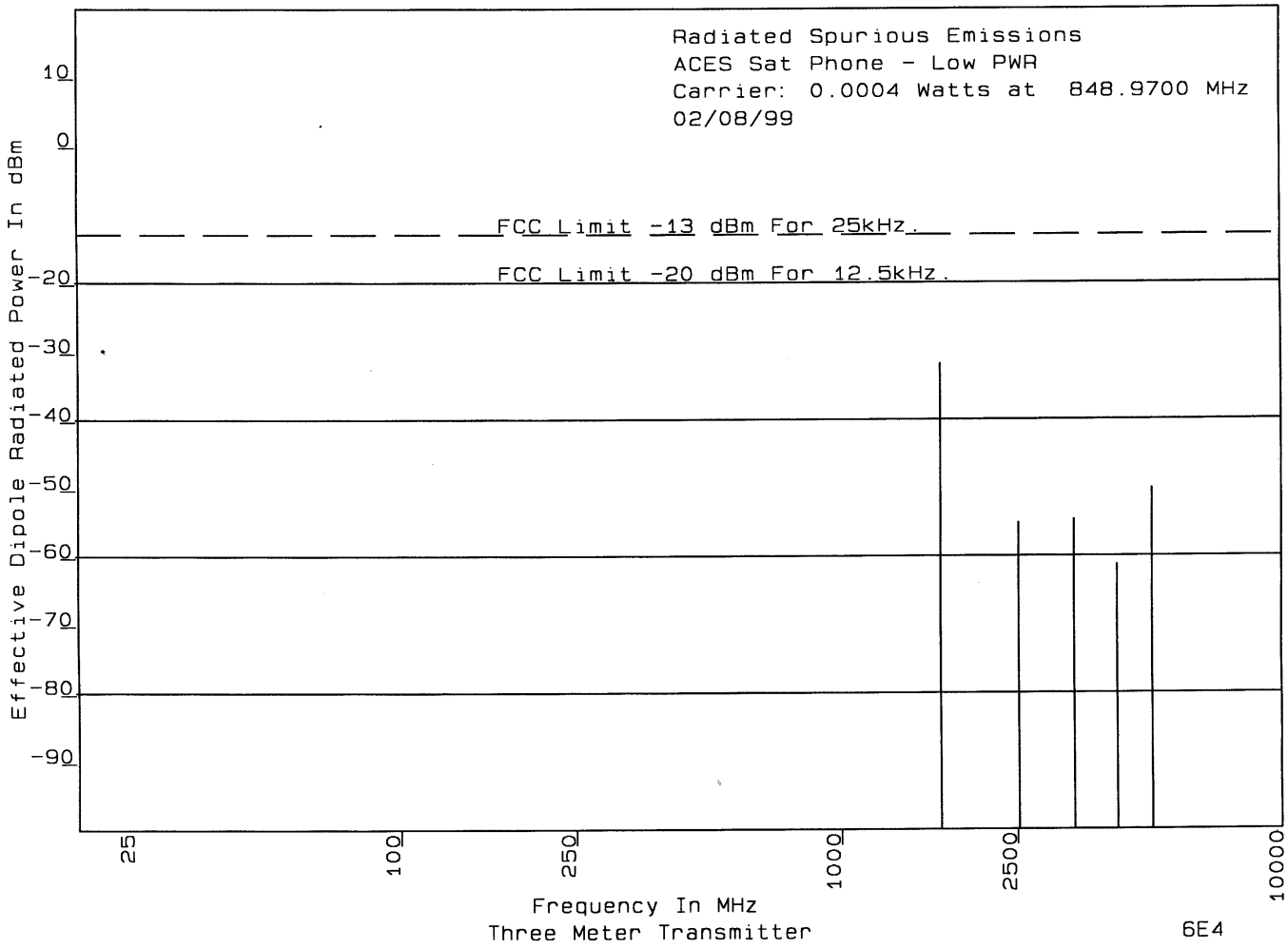
Exhibit 6E4



APPLICANT:
ERICSSON INC

FCC ID NO:
AXATR-398-A2

Exhibit 6E5



800 MHz: FREQUENCY STABILITY

Per 2.995 (a)(1),(b),(d)(1)

Per 2.995 (a)(1),(b),(d)(1), variation of output frequency as a result of Varying either voltage or temperature is shown in Exhibit 6F2 and 6F3 respectively.

EXHIBIT #	Voltage	Temperature
6F2	4.3 to 5.3 Volts (varied)	+25 C
6F3	4.8 Volts	Varied

Note: The manufacturers rated voltage for the battery is 4.3 VDC to 5.3 VDC.

The measurements were made per IS-137A using a Hewlett Packard 8953DT North American Dual Mode Cellular Test System which includes the following equipment:

HP8958A Cellular Interface
HP 6623A DC Power Supply
HP 8596E Spectrum Analyzer
HP 437B RF Power Meter
HP 8901B Modulation Analyzer
HP 8903B Audio Analyzer
Thermotron SM-8C Temperature Chamber

Exhibit 6F2

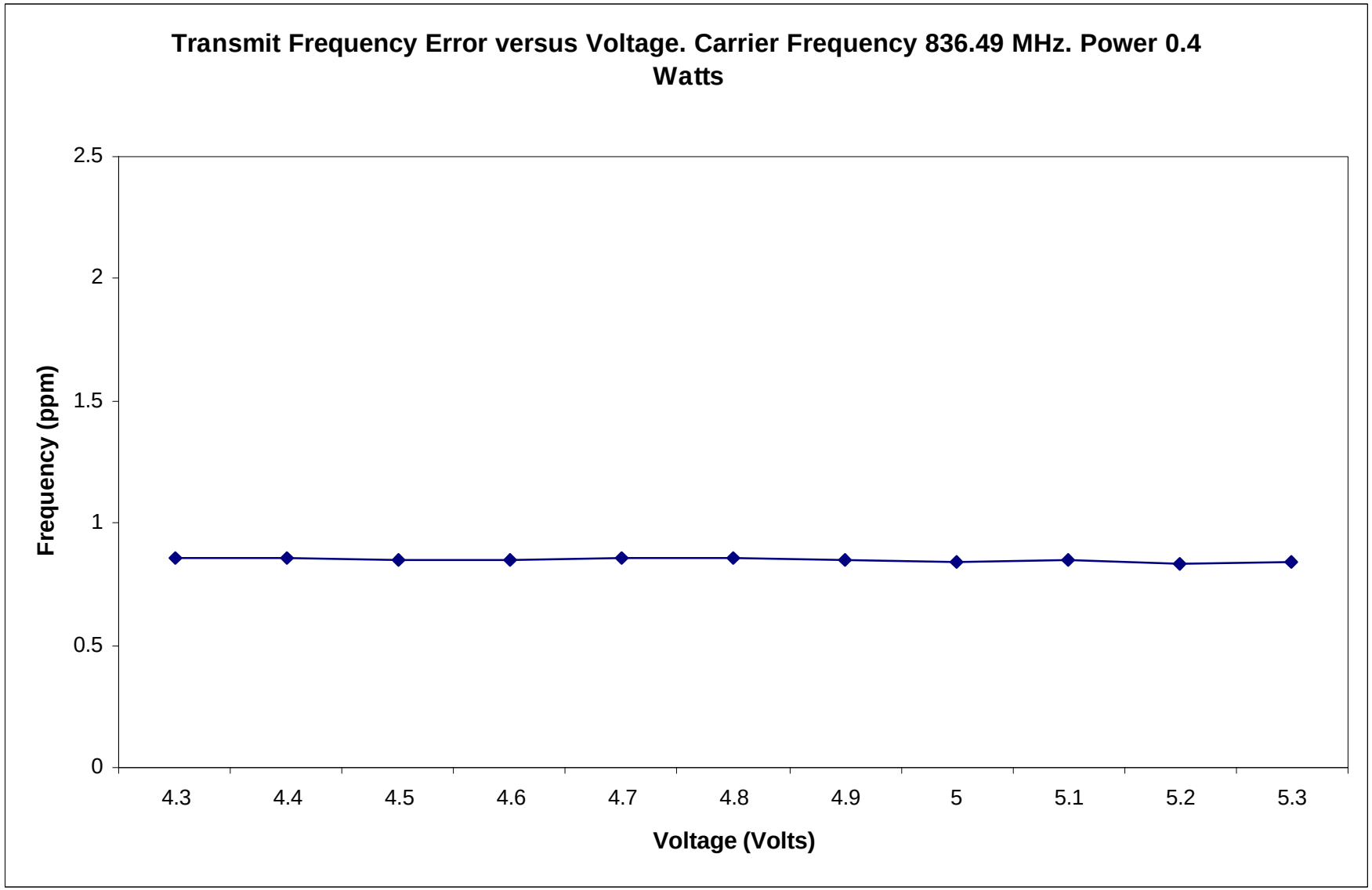


Exhibit 6F3