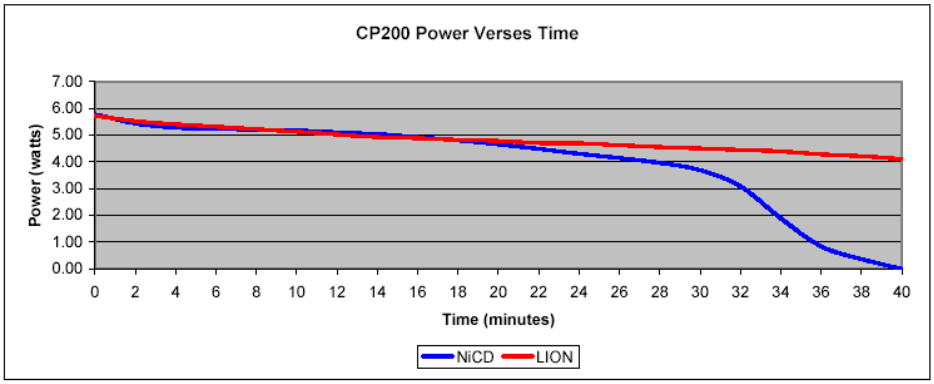
CGISS EME Laboratory responses to FCC correspondence 24358
11/20/02

Q1.) Additional power sloop data. Please include similar data analysis performed on page 21 and 22 of the SAR report for each battery tested. Please clarify if the 6 minutes scan was performed with a fully or partially charged battery.

R1.) The requested additional power slump data is presented below. Note that the shortened scan presented on page 22 reflects results from the battery that exhibited the largest power slump. The 6 minutes scan was performed with fully charged batteries.

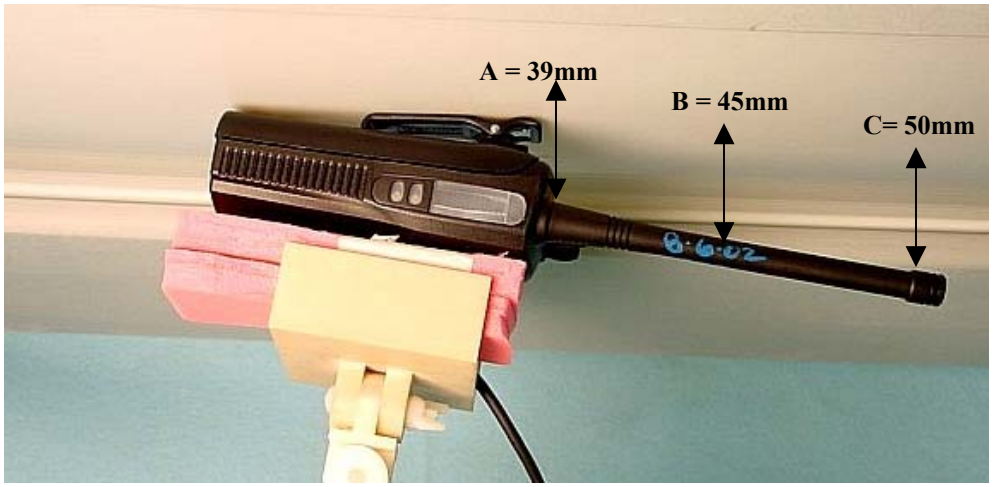
Start Date and Time:9/10/2002 9:29:27 AM			
Stop Date and Time: 9/10/2002 10:09:31 AM			
	NiCd - NNTN4496AR		
	Li Ion - NNTN4497AR		
	Time	NiCD	Li Ion
9:29:30 AM	0	5.77	5.72
9:31:30 AM	2	5.43	5.52
9:33:30 AM	4	5.27	5.40
9:35:30 AM	6	5.23	5.31
9:37:30 AM	8	5.20	5.22
9:39:30 AM	10	5.17	5.12
9:41:30 AM	12	5.10	5.02
9:43:31 AM	14	5.03	4.92
9:45:31 AM	16	4.92	4.88
9:47:31 AM	18	4.80	4.82
9:49:31 AM	20	4.65	4.78
9:51:31 AM	22	4.48	4.70
9:53:31 AM	24	4.30	4.69
9:55:31 AM	26	4.14	4.62
9:57:31 AM	28	3.96	4.55
9:59:31 AM	30	3.69	4.50
10:01:31 AM	32	3.08	4.44
10:03:31 AM	34	1.89	4.39
10:05:31 AM	36	0.85	4.28
10:07:31 AM	38	0.37	4.21
10:09:31 AM	40	0.00	4.10



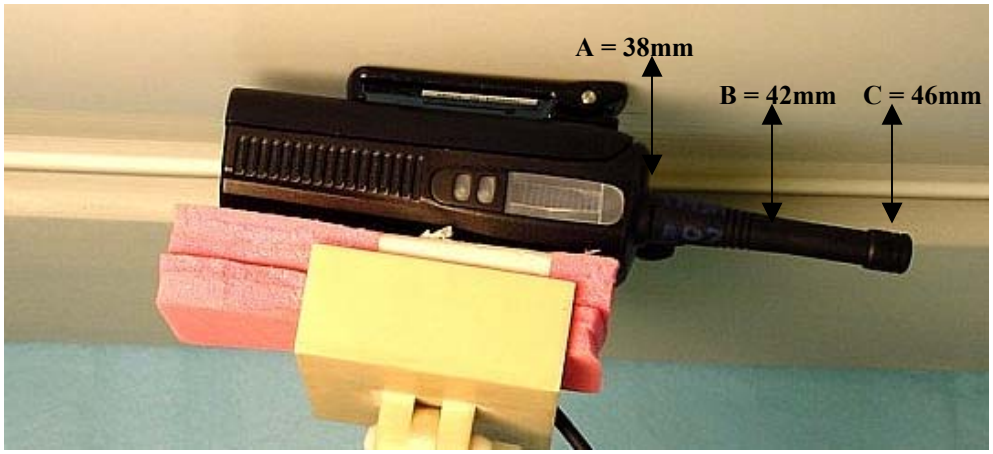
2.) Photographs for SAR test setups for each body-worn accessory.

R2.) The requested photos are presented below.

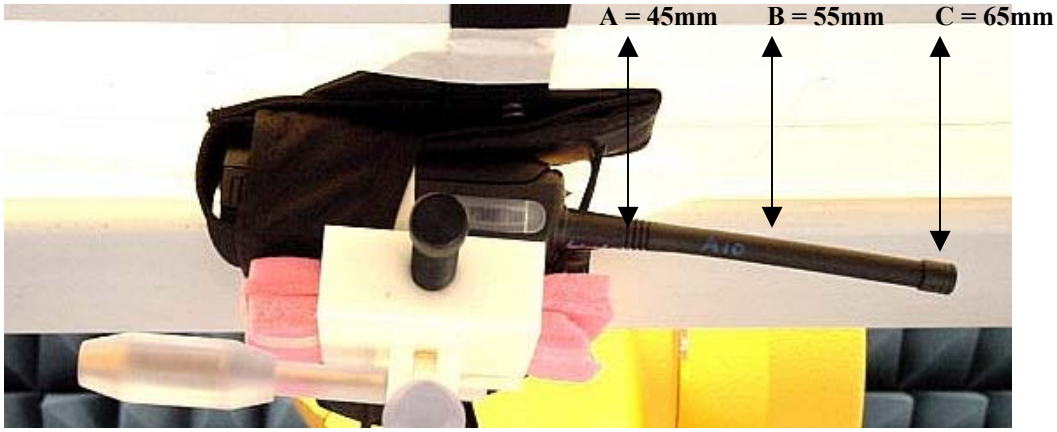
Carry case model PMLN4124A w-NAD6502A antenna, NNTN4496AR battery, and attached HMN9030A RSM



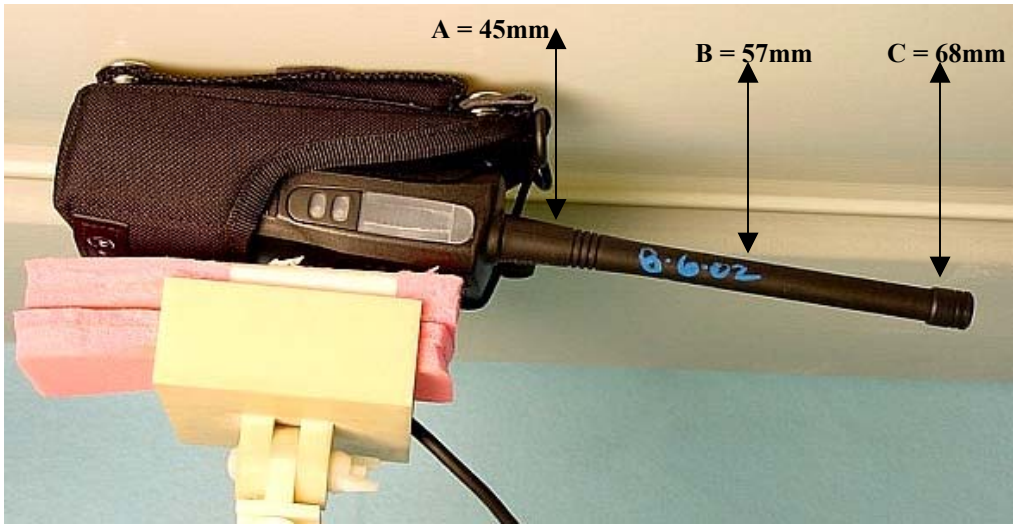
Carry Case model HLN8255B W-HAD9743A antenna, NNTN4496AR battery, and attached HMN9030A RSM



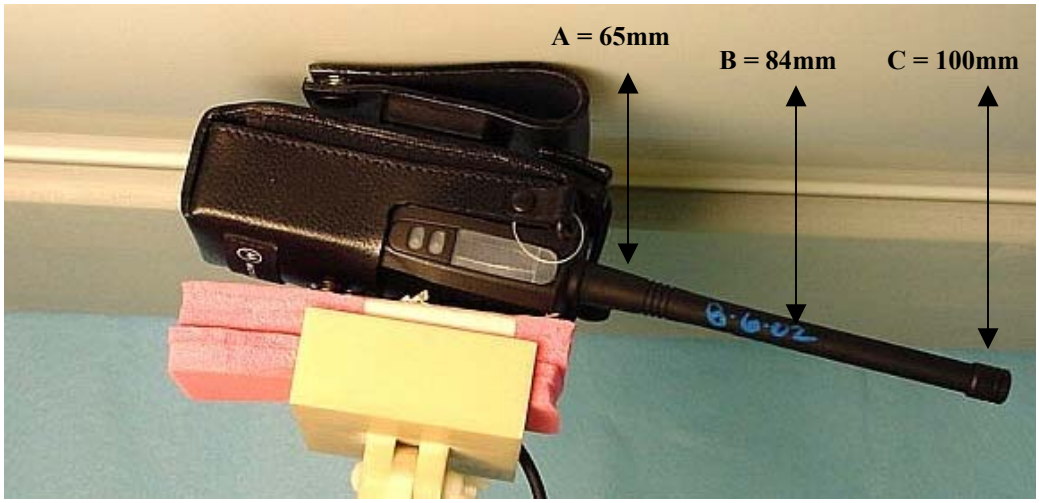
Carry case model RLN4815A w/ NAD6502AR antenna, NNTN4496AR battery, and attached HMN9030A RSM



Carry case model HLN9701B w/ NAD6502A antenna, NNTN4496AR battery, and attached HMN9030A RSM



Carry case model RLN5385A w/ NAD66502AR antenna, NNTN4496AR battery, and HMN9030A RSM

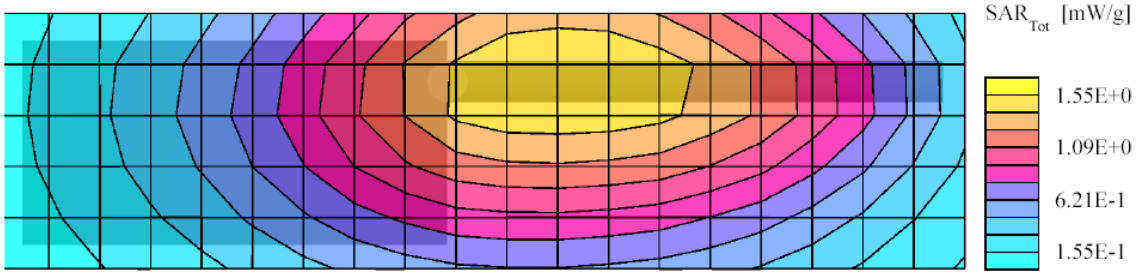


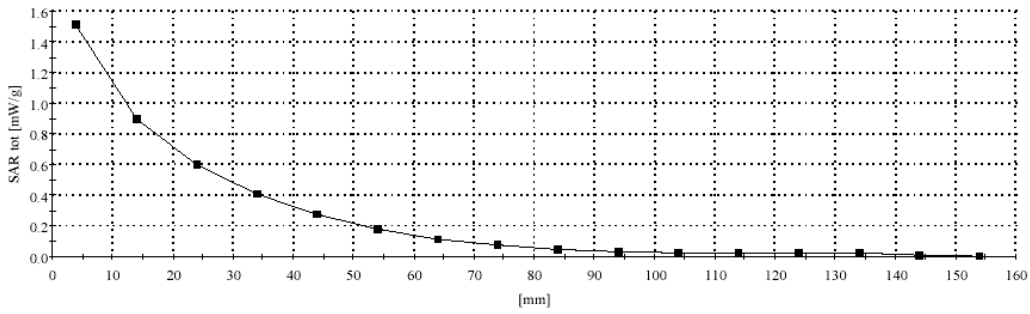
3.) SAR plots for worst-case "held to face" configuration.
R3.)The requested S.A.R. plot for worst-case “held to the face” configuration is presented below.

FCC ID: ABZ99FT3045; Test Date: 09/05/02
Run #: Face-R1-020905-06
Model #: AAH50KDC9AA2AN SN:VP2BA10
TX Freq: 160MHz

- Accessories -
Antenna: NAD6502A
Battery Kit: NNTN4496A
Carry: radio @ 2.5cm
Audio Acc. None

Flat Phantom; Device Section; Position: (90°,90°);
Probe: ET3DV6 - SN1547; ConvF(8.60,8.60,8.60); Probe cal date: 11/16/01; Crest factor: 1.0; IEEE
Head_160 MHz: σ = 0.74 mho/m ε = 52.9 ρ = 1.00 g/cm3; DAE3: 363-V1 DAE Cal Date: 5/23/02
Cube 5x5x7: SAR (1g): 1.45 mW/g, SAR (10g): 1.10 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0; Max at 19.5, 168.0, 4.0





4.) Explanation for change in hotspot location between page 22 and page 24 contour plots.
R4.) The change in the “hotspot” location is due primarily to the body location for each respective assessment presented. Page 22 shows a 6 minutes shortened scan with the DUT separated 2.5cm from the flat phantom. Page 24 shows a normal scan with the DUT and carry case model HLN6602A against the flat phantom.