

ANAP El evati on Data

From: "Dan Dowdle" <dandowdle@insightbb.com>
To: "Shawn Knotts" <sknotts@erinc.com>, "Dan Dowdle" <dan@erinc.com>
Sent: Wednesday, February 10, 2016 4:22:45 PM
Subject: Re: Face/orientation

0° beam tilt

0% null fill

H/V maximum power ratio of 1.080

H POL Maximum: 1.535 (1.862 dB)

H POL Horizontal Plane: 1.535 (1.862 dB)

V POL Maximum: 1.421 (1.527 dB)

V POL Horizontal Plane: 1.421 (1.527 dB)

1st null @ 30.133°

El evati on	Fi el d
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10°	0.845
09°	0.873
08°	0.899
07°	0.922
06°	0.942
05°	0.960
04°	0.974
03°	0.985
02°	0.994
01°	0.998
00°	1.000
-01°	0.998
-02°	0.994
-03°	0.985
-04°	0.974
-05°	0.960
-06°	0.942
-07°	0.922
-08°	0.899
-09°	0.873
-10°	0.845

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-11°	0. 814
-12°	0. 781
-13°	0. 745
-14°	0. 708
-15°	0. 669
-16°	0. 629
-17°	0. 587
-18°	0. 544
-19°	0. 499
-20°	0. 455
-21°	0. 409
-22°	0. 363
-23°	0. 317
-24°	0. 272
-25°	0. 226
-26°	0. 180
-27°	0. 135
-28°	0. 091
-29°	0. 048
-30°	0. 600
-31°	0. 036
-32°	0. 076
-33°	0. 114
-34°	0. 151
-35°	0. 187
-36°	0. 221
-37°	0. 253
-38°	0. 284
-39°	0. 312
-40°	0. 339
-41°	0. 364
-42°	0. 387
-43°	0. 409
-44°	0. 428
-45°	0. 445
-46°	0. 461
-47°	0. 475
-48°	0. 487

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-49°	0. 497
-50°	0. 506
-51°	0. 513
-52°	0. 518
-53°	0. 522
-54°	0. 524
-55°	0. 525
-56°	0. 525
-57°	0. 523
-58°	0. 520
-59°	0. 516
-60°	0. 511
-61°	0. 505
-62°	0. 498
-63°	0. 490
-64°	0. 482
-65°	0. 472
-66°	0. 462
-67°	0. 452
-68°	0. 440
-69°	0. 429
-70°	0. 416
-71°	0. 404
-72°	0. 391
-73°	0. 377
-74°	0. 364
-75°	0. 350
-76°	0. 336
-77°	0. 321
-78°	0. 307
-79°	0. 292
-80°	0. 277
-81°	0. 262
-82°	0. 247
-83°	0. 232
-84°	0. 217
-85°	0. 202
-86°	0. 187

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-87°	0. 172
-88°	0. 156
-89°	0. 141
-90°	0. 127