

M.E.RF & Antenna Solution

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מרדכי אלקובי מ.א.פתרונות רדיו ואנטנות

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טל: 09-8650103 סלולר: 053-7788308

תאריך: 18/03/2024

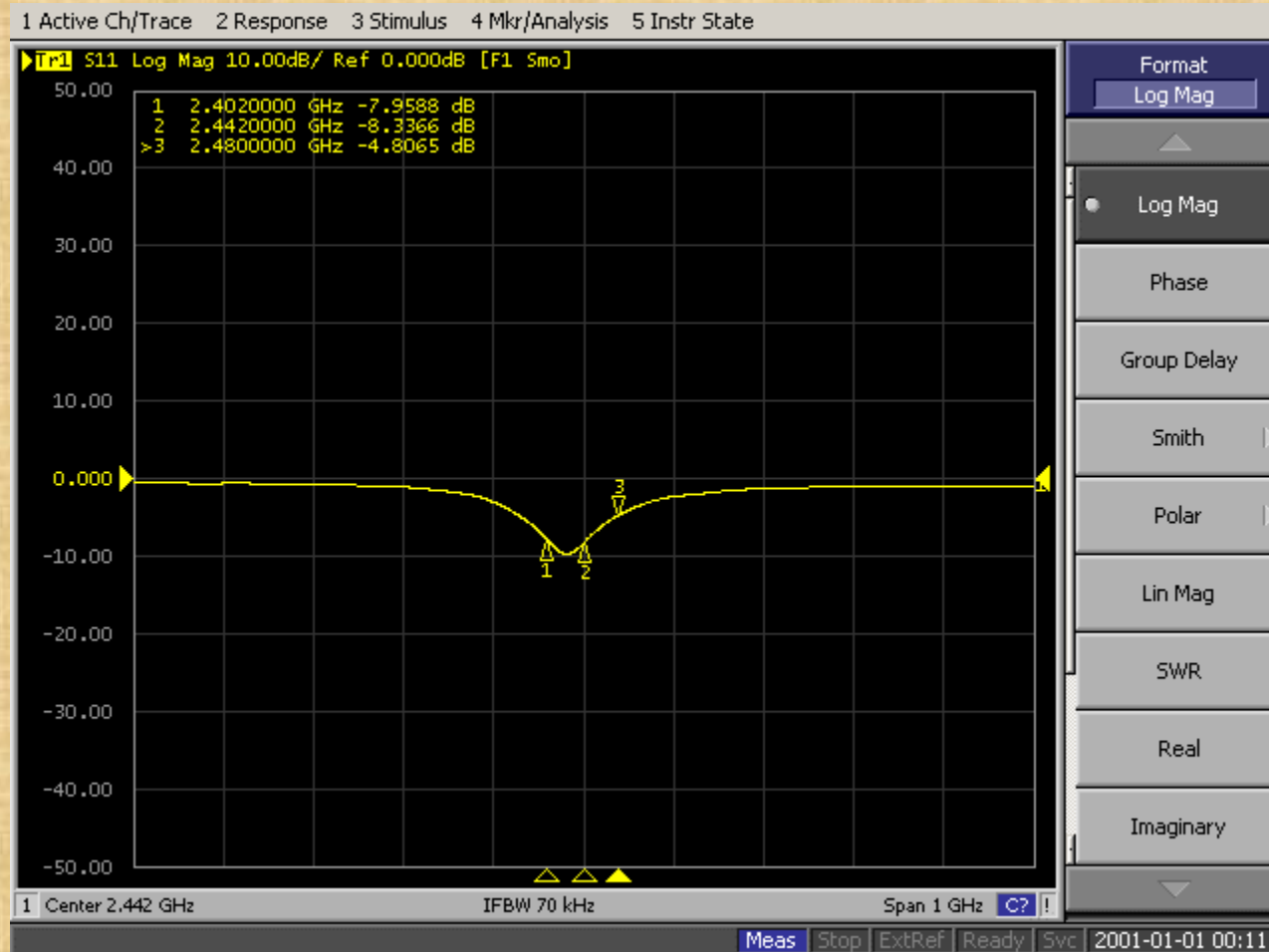
TAP WITH US

Antenna Efficiency Test New Unit with Camera



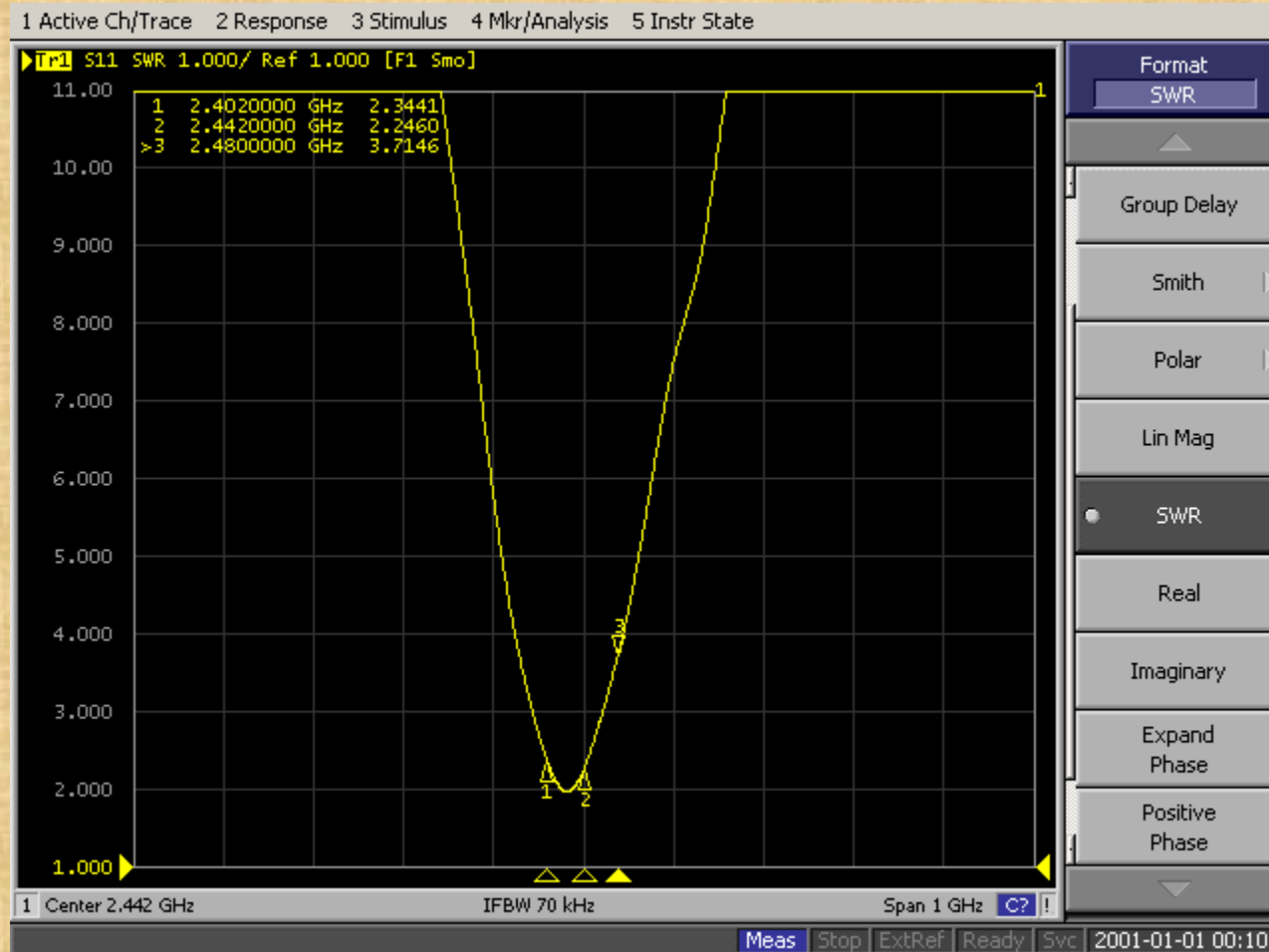
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Antenna Measurements Return Loss



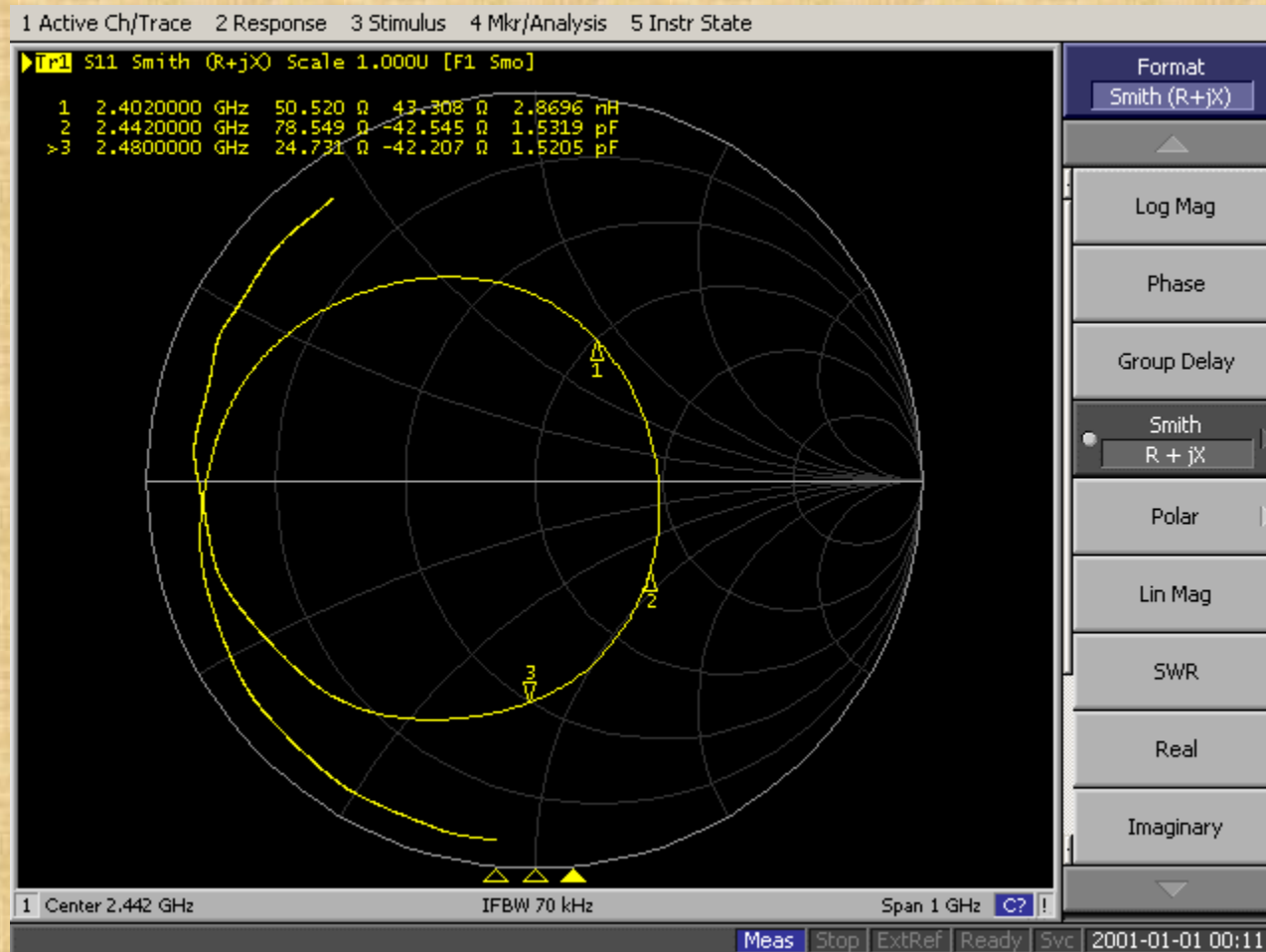
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Antenna Measurements VSWR



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Antenna Measurements Smith Chart



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3D Chamber Set-up Efficiency Antenna Measurements Free Space



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3D Chamber Efficiency Antenna Test Results Free Space

Band Designator	Frequency [MHz]	3D Ant EFF [%]	3D Ant EFF [dB]	Peak Gain [dBi]
BT	2402	8.54	-10.68	-7.80
BT	2442	8.74	-10.58	-8.05
BT	2480	6.90	-11.61	-8.78

Formula:

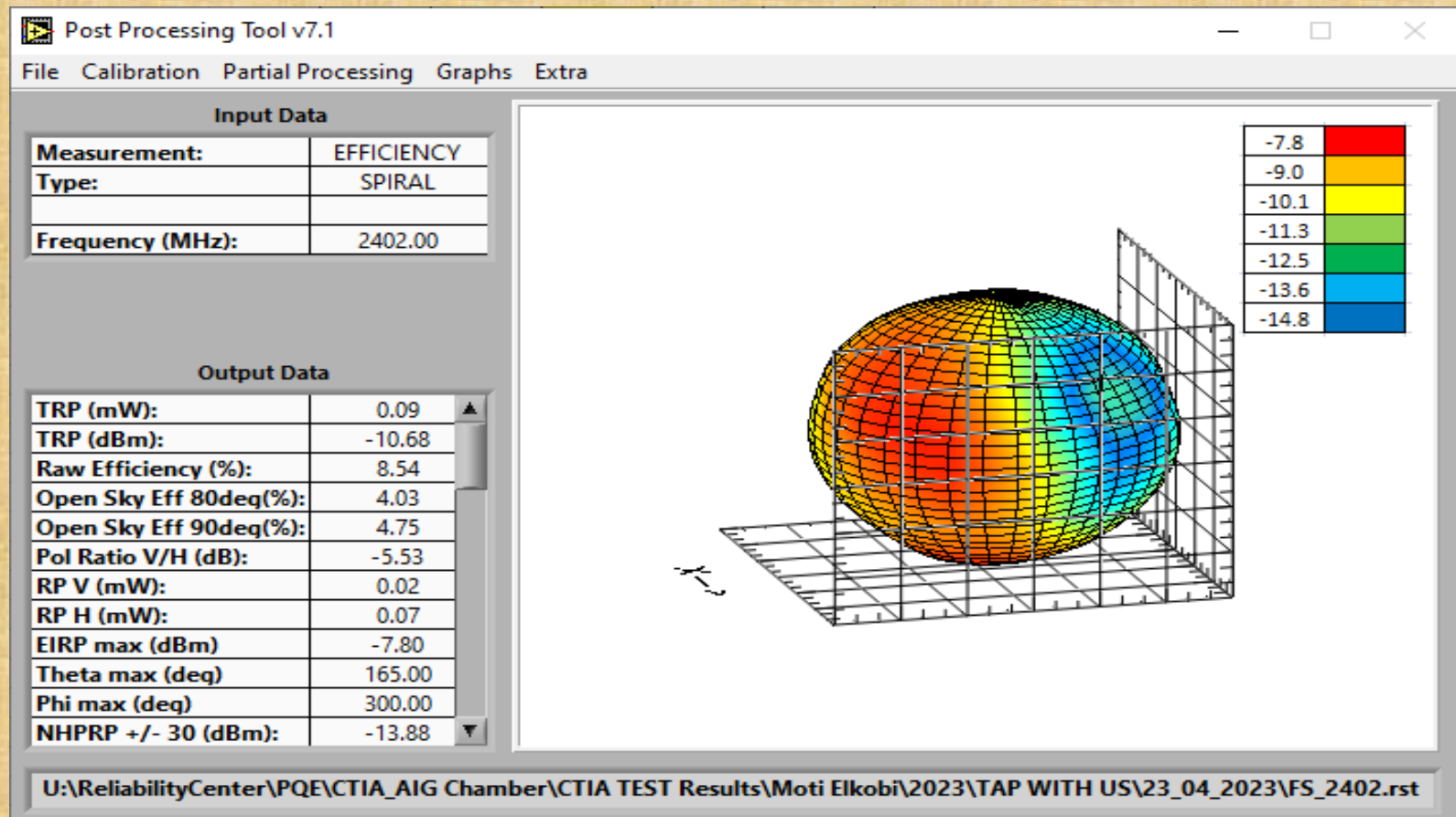
$EIRP(dBm) = Power\ in(dBm) + Gain(dBi)$

Power in=0dBm

That mean the $EIRP = Gain(dBi)$

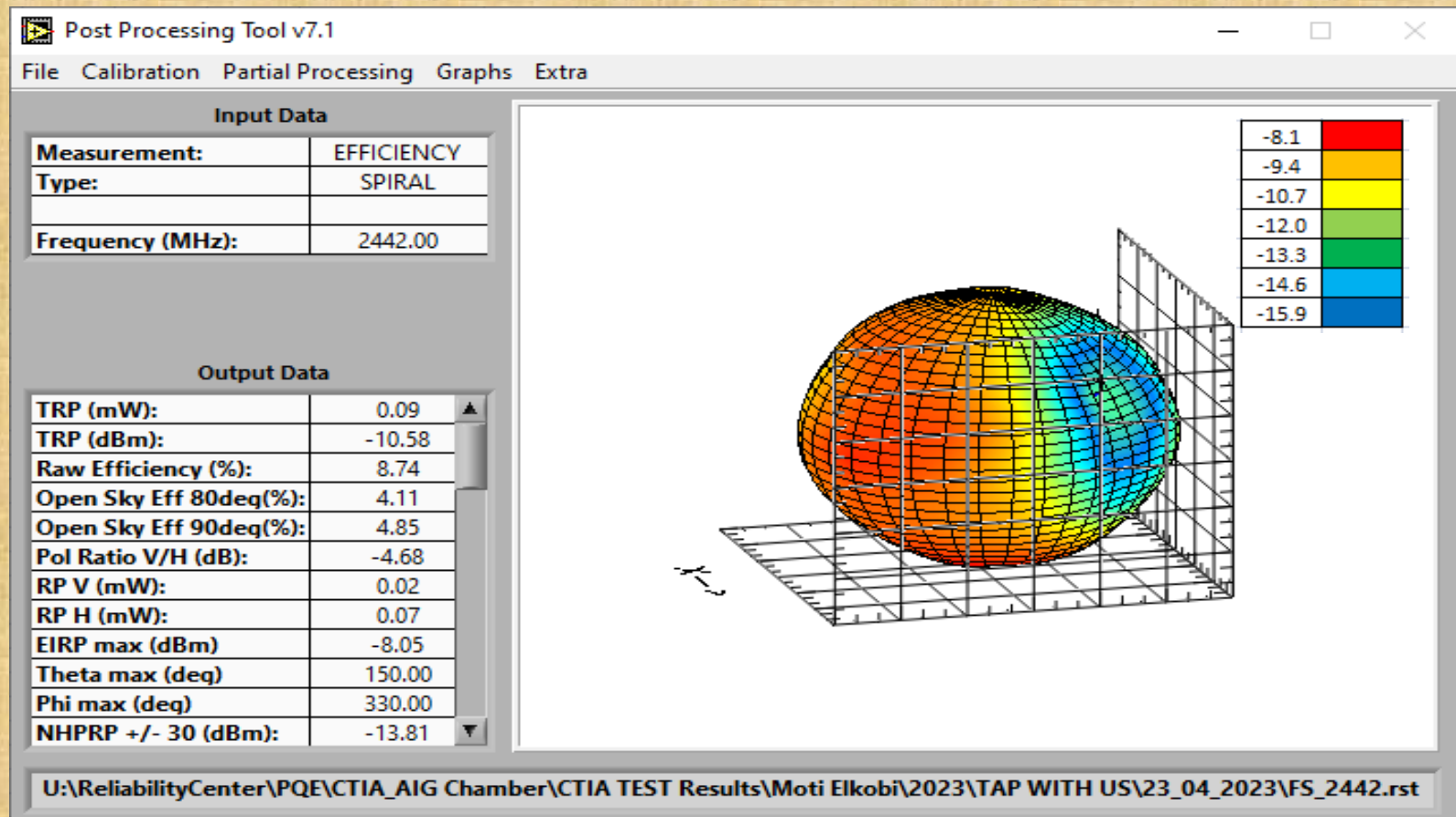
TAP WITH US

3D Chamber Efficiency Antenna Pattern Test Results Free Space



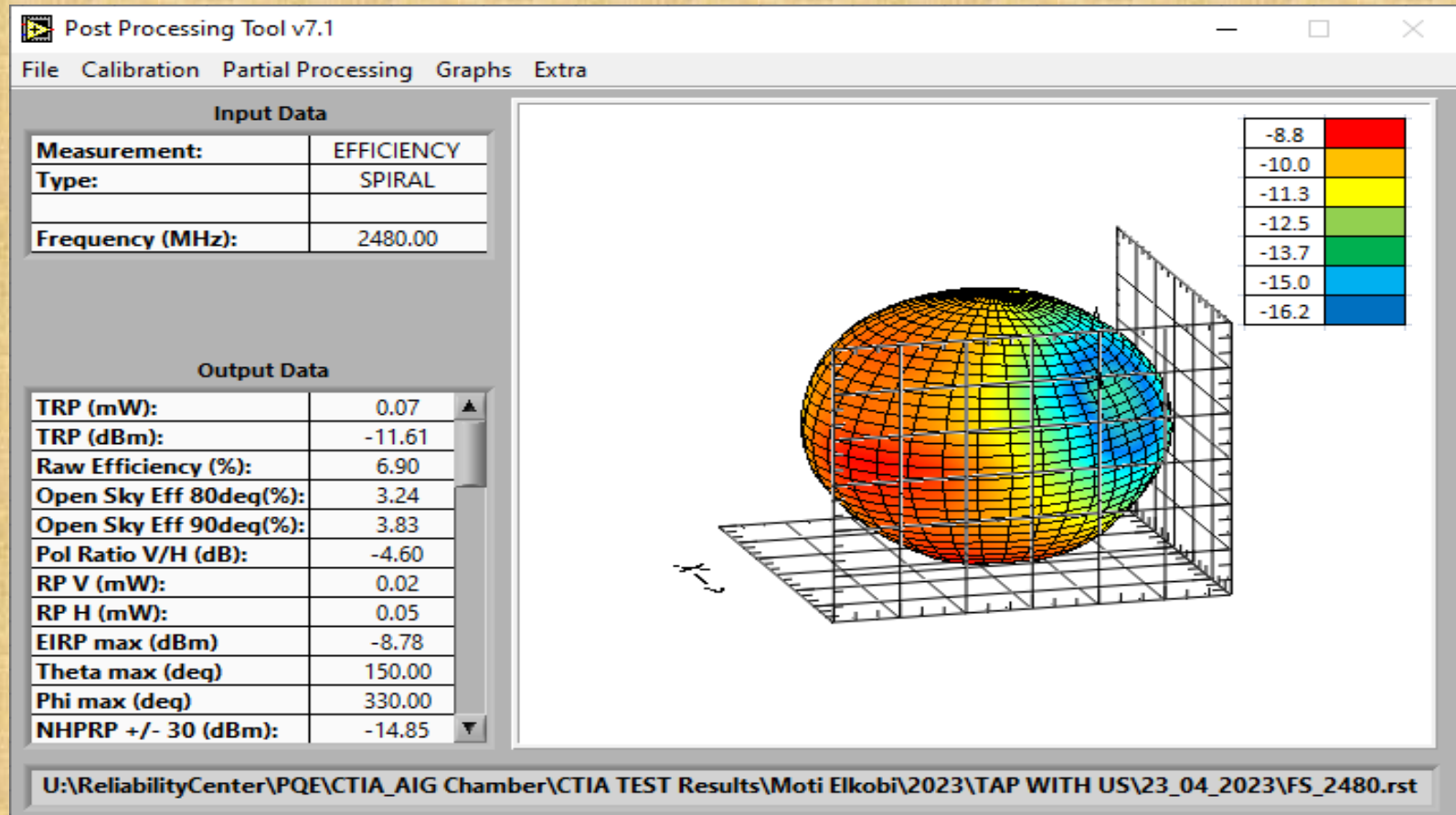
TAP WITH US

3D Chamber Efficiency Antenna Pattern Test Results Free Space



TAP WITH US

3D Chamber Efficiency Antenna Pattern Test Results Free Space



TAP WITH US

3D Chamber Set-up Efficiency Antenna Measurements on Hand



TAP WITH US

3D Chamber Efficiency Antenna Test Results on Hand

Band Designator	Frequency [MHz]	3D Ant EFF [%]	3D Ant EFF [dB]	Peak Gain [dBi]
BT	2402	5.02	-12.99	-7.01
BT	2442	5.11	-12.92	-7.31
BT	2480	4.42	-13.55	-8.17

Formula:

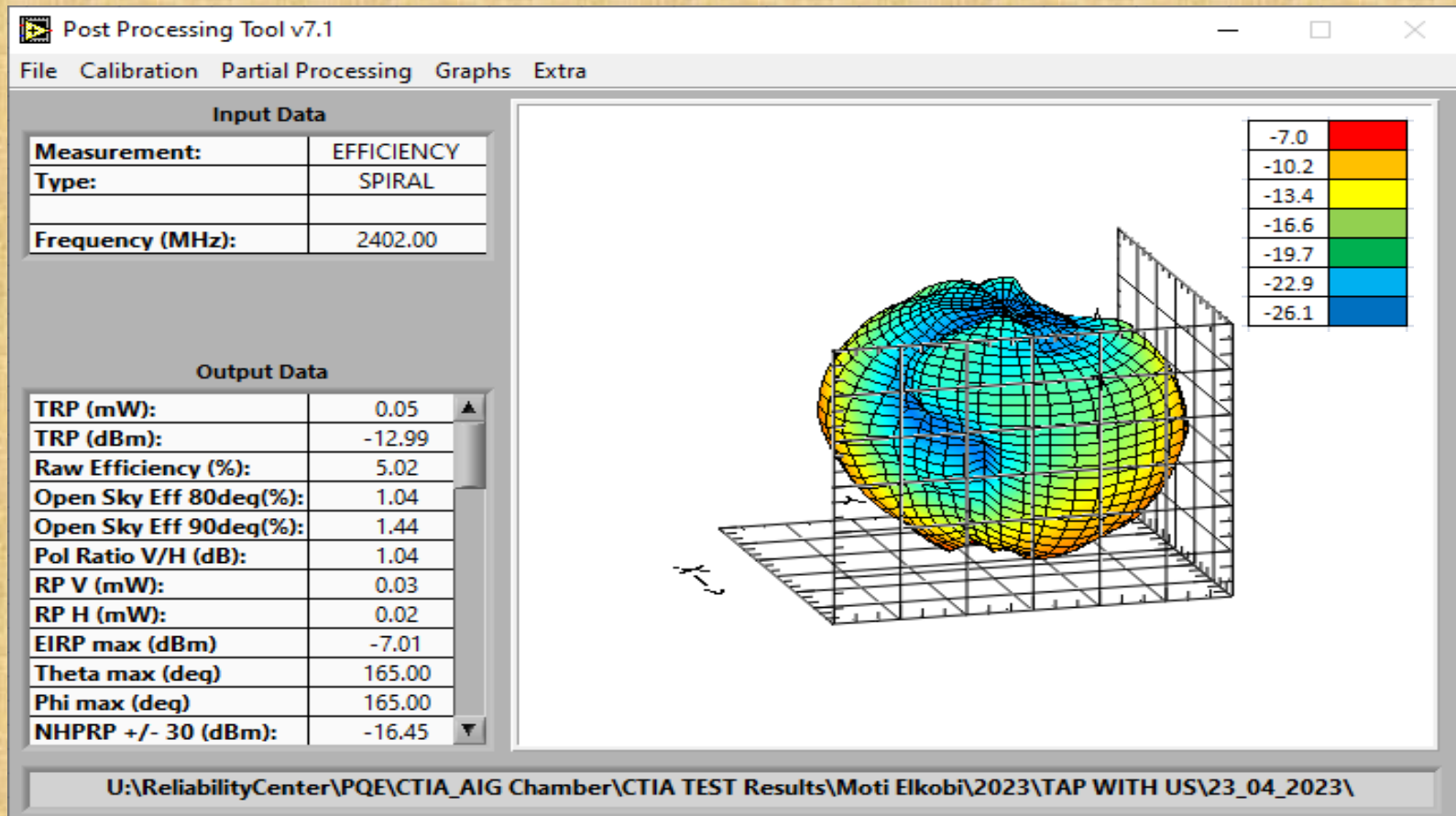
$EIRP(dBm) = Power\ in(dBm) + Gain(dBi)$

Power in=0dBm

That mean the $EIRP = Gain(dBi)$

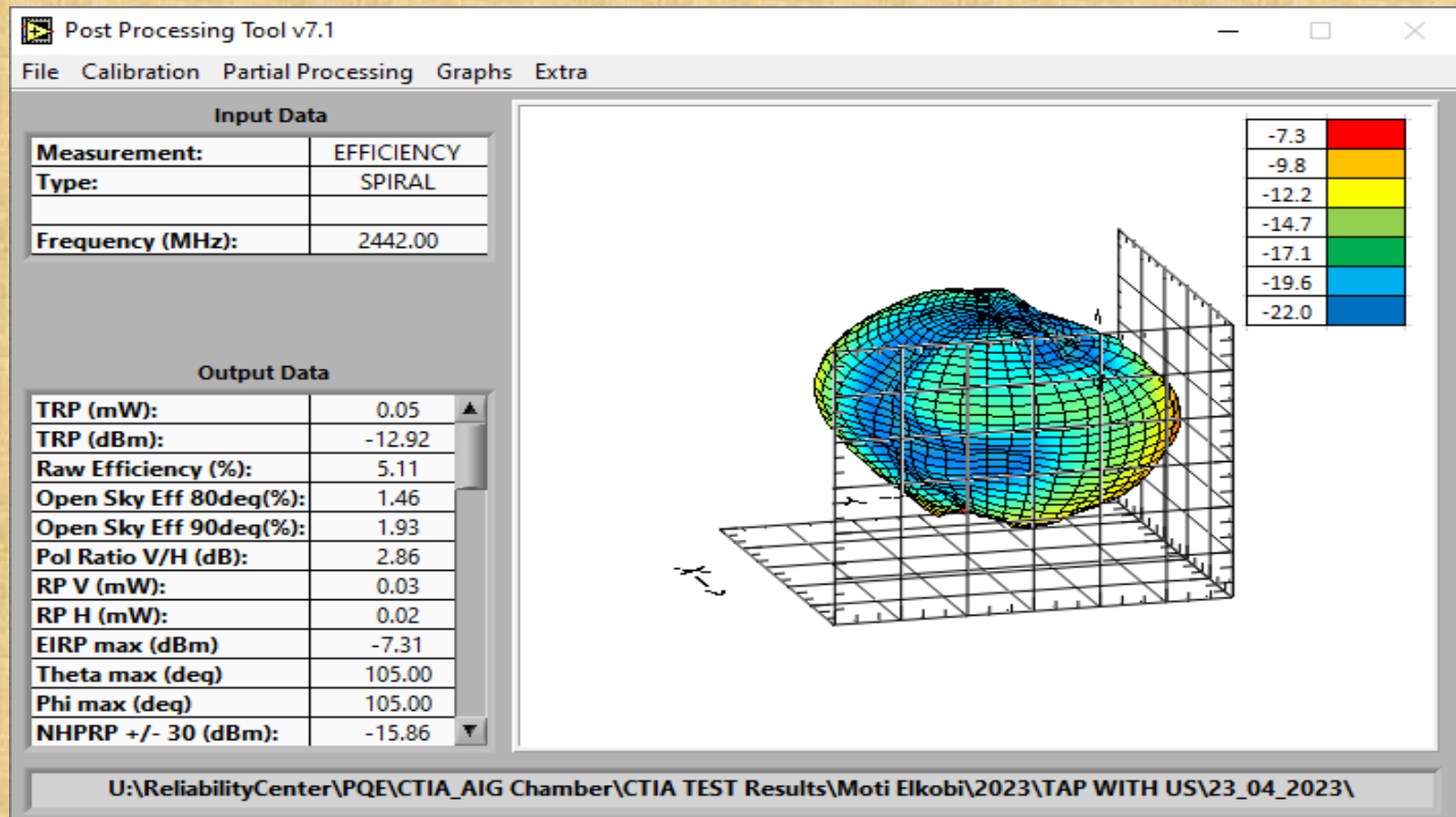
TAP WITH US

3D Chamber Efficiency Antenna Pattern Test Results on Hand



TAP WITH US

3D Chamber Efficiency Antenna Pattern Test Results on Hand



TAP WITH US

3D Chamber Efficiency Antenna Pattern Test Results on Hand

