

Report for Broadcom

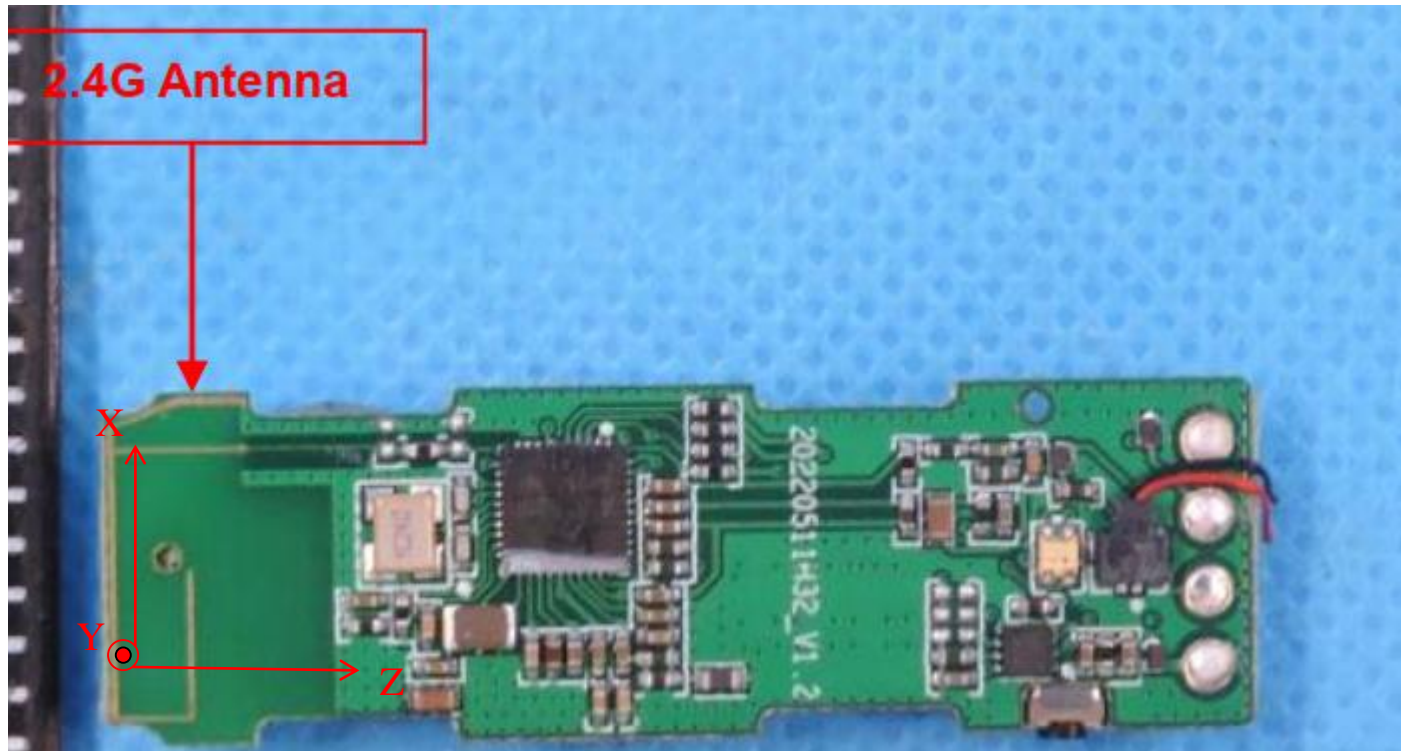
Model: MoveLink Mini TX

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Tested Products.

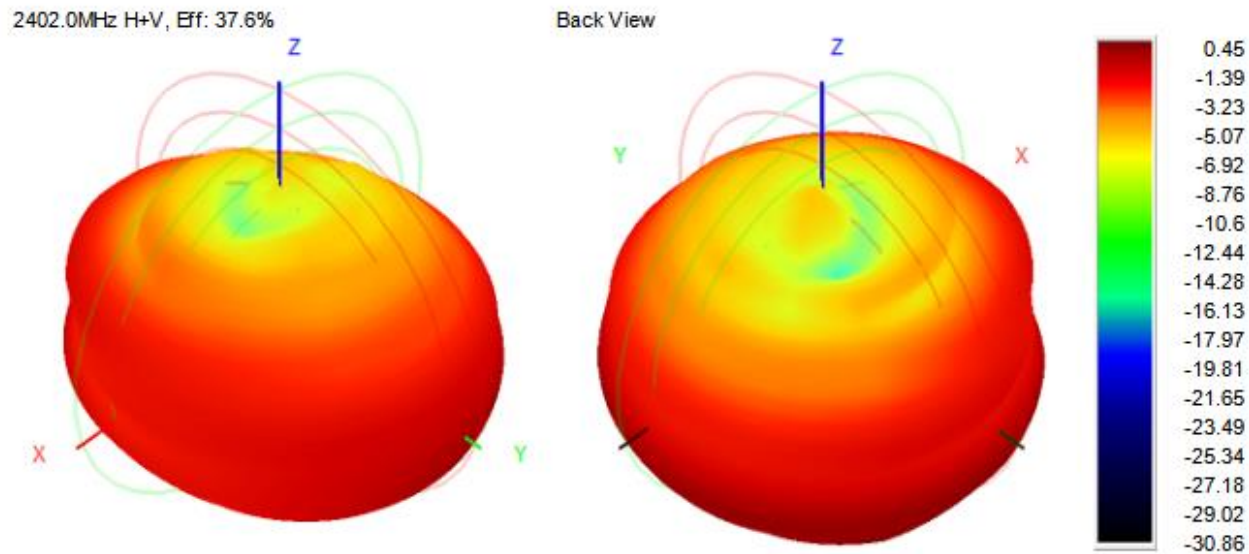
- Antenna 1: integrated antenna.
 - Frequency = 2.402GHz.
 - Frequency = 2.441GHz.
 - Frequency = 2.480GHz.

Coordinate System Reference: Antenna-TX



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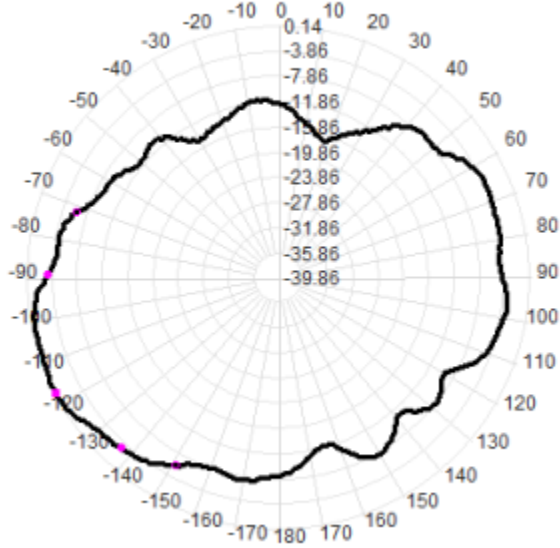
Radiation pattern: Antenna-TX 3D Pattern at $f = 2.402\text{GHz}$



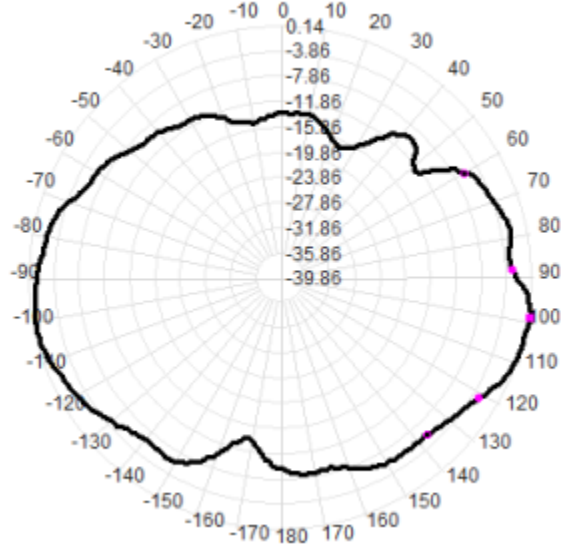
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Radiation pattern: Antenna-TX 2D Pattern at $f = 2.402\text{GHz}$

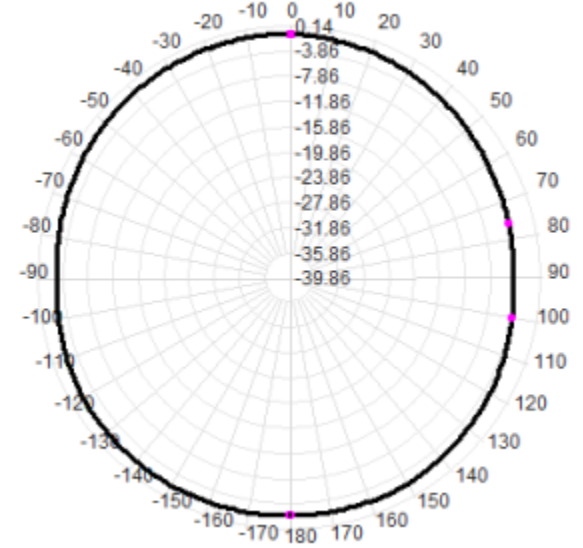
2402.0MHz Total(E1-XZ), Max=-0.05dBi



2402.0MHz Total(E2-YZ), Max= 0.14dBi

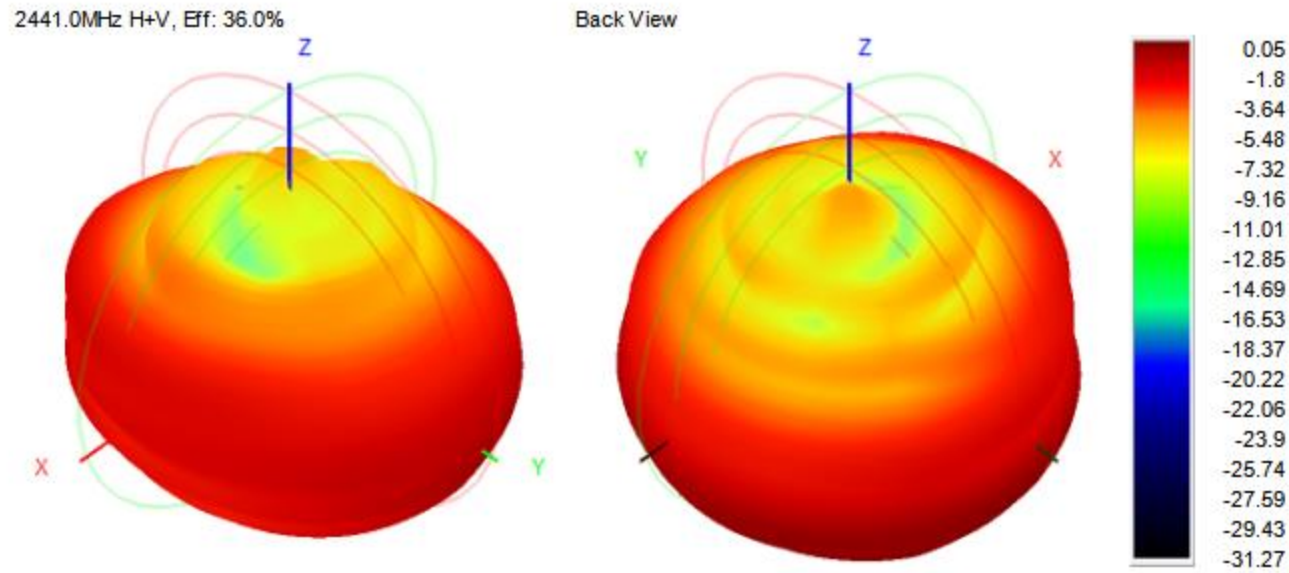


Total(H-XY), Max=-1.09dBi, CirD=3.42



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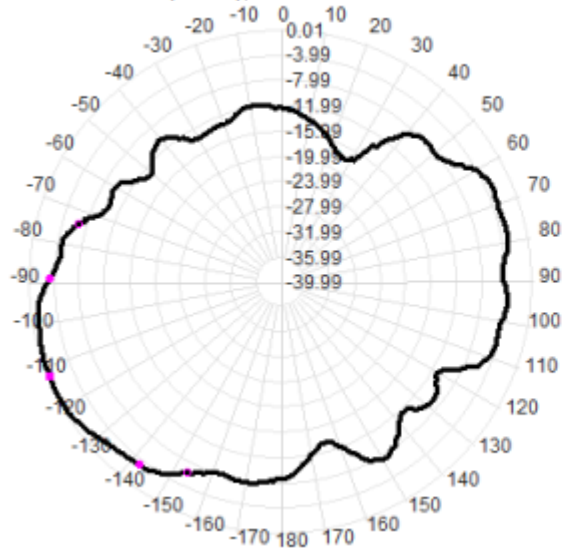
Radiation pattern: Antenna-TX 3D Pattern at $f = 2.441\text{GHz}$



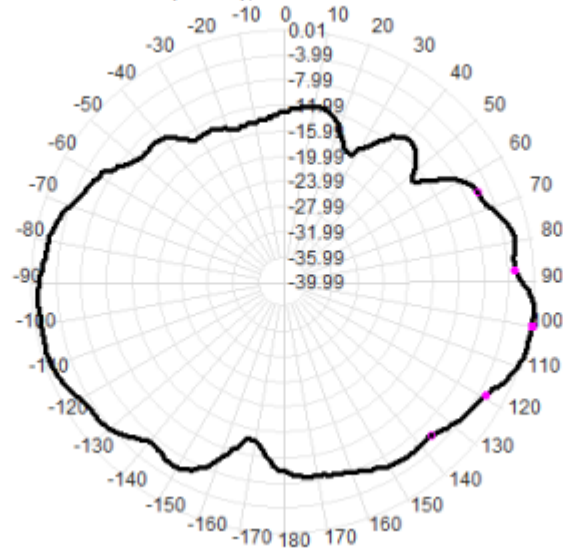
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Radiation pattern: Antenna-TX 2D Pattern at $f = 2.441\text{GHz}$

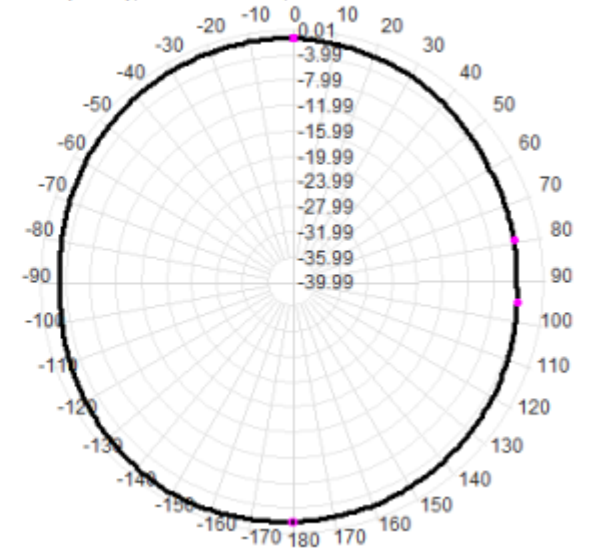
2441.0MHz Total(E1-XZ), Max=-0.34dBi



2441.0MHz Total(E2-YZ), Max= 0.01 dBi

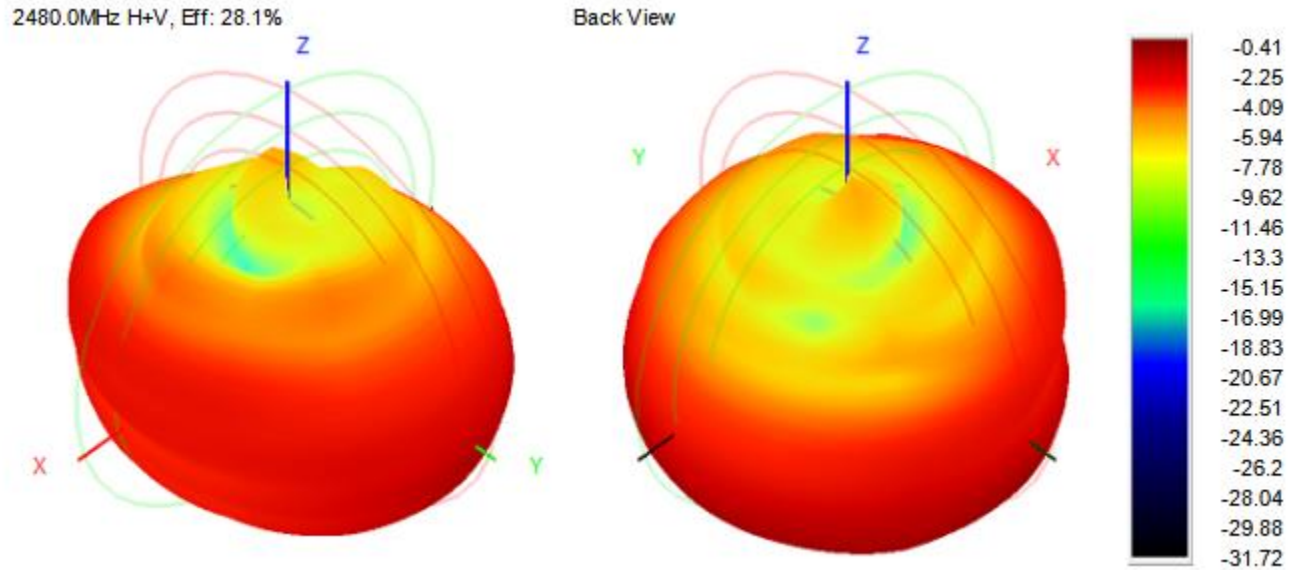


Total(H-XY), Max=-1.32dBi, CirD=3.20



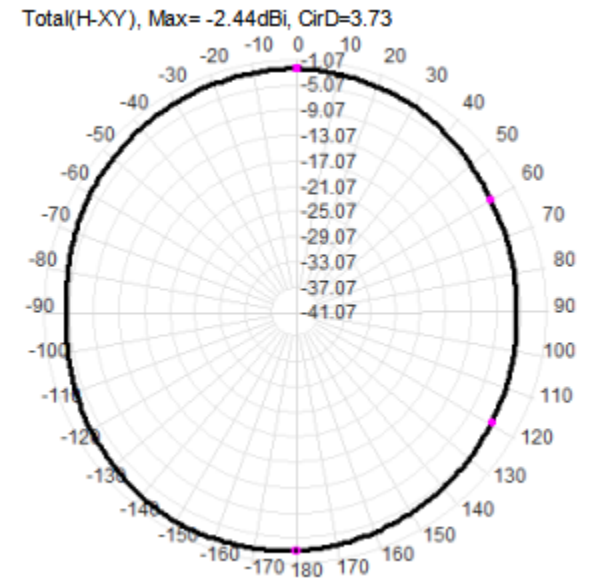
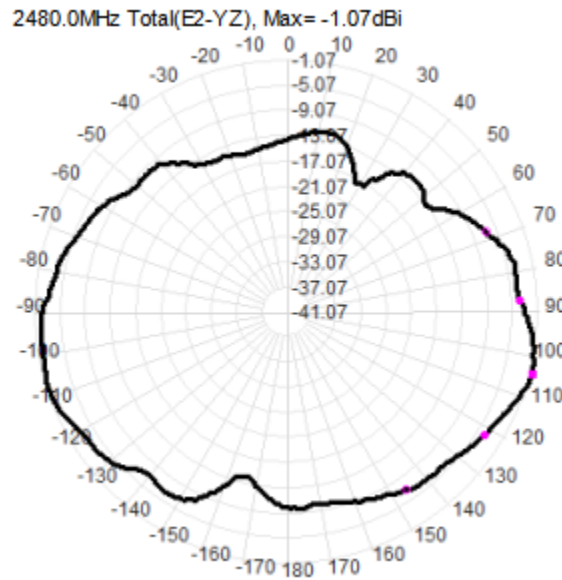
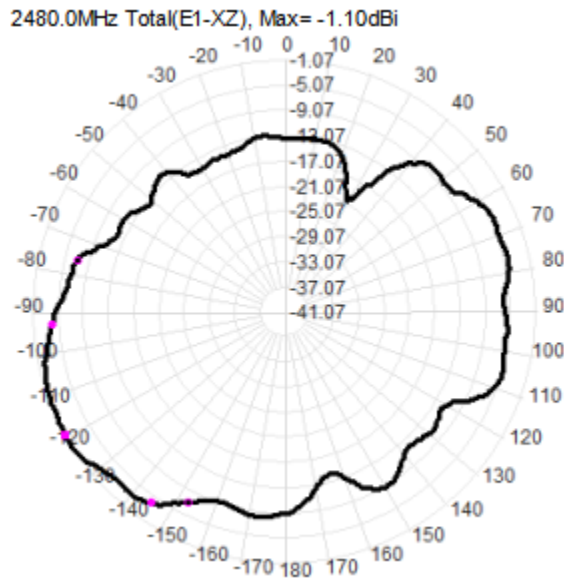
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Radiation pattern: Antenna-TX 3D Pattern at $f = 2.48\text{GHz}$



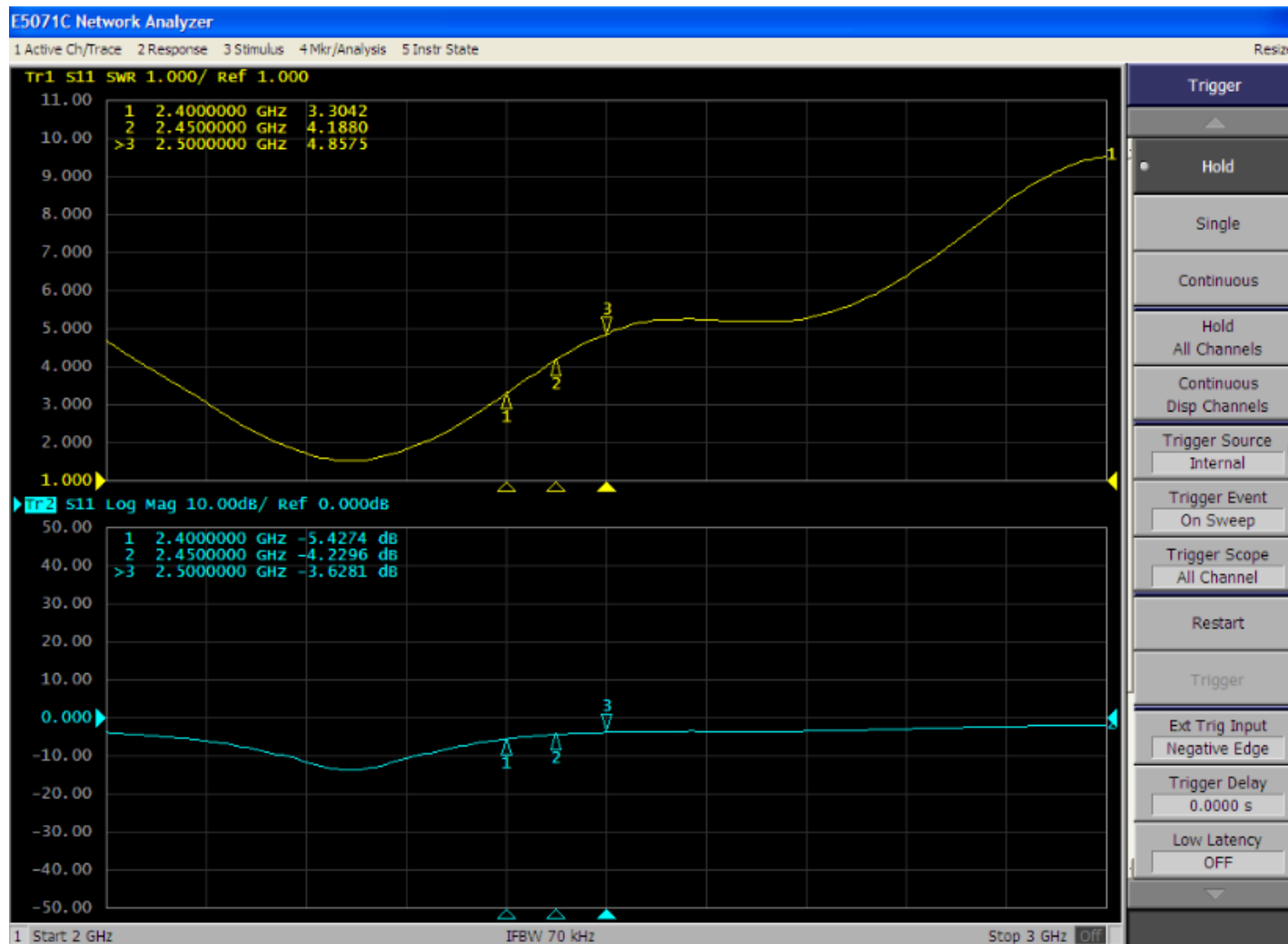
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Radiation pattern: Antenna-TX 2D Pattern at $f = 2.48\text{GHz}$



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Return Loss: Antenna 1



Measurements summary

Frequency ID	1	2	3	4	5	6	7	8	9	10	11
Frequency (MHz)	2402.0	2410.0	2420.0	2430.0	2441.0	2450.0	2460.0	2470.0	2480.0	2490.0	2500.0
Gain (dBi)	0.45	0.40	0.22	0.22	0.05	-0.15	-0.31	-0.41	-0.41	-0.66	-0.84
Efficiency (%)	37.58	37.26	36.50	37.20	35.96	33.54	30.78	28.69	28.08	26.48	25.13
Directivity (dB)	4.70	4.68	4.60	4.51	4.49	4.60	4.81	5.02	5.11	5.11	5.16
Peak Gain Position (Theta)	77.00	77.00	75.00	69.00	72.00	72.00	71.00	71.00	71.00	72.00	73.00
Peak Gain Position (Phi)	240.00	240.00	240.00	120.00	240.00	240.00	240.00	240.00	240.00	240.00	240.00
Efficiency ThetaPol (%)	32.64	32.27	31.49	32.11	30.83	28.59	26.16	24.18	23.46	22.09	20.82
Efficiency PhiPol (%)	4.94	4.98	5.01	5.09	5.13	4.96	4.62	4.50	4.62	4.39	4.31
Upper Hem. Efficiency (%)	12.41	12.14	11.90	12.21	11.80	10.93	9.87	9.01	8.67	8.06	7.57
Lower Hem. Efficiency (%)	25.17	25.11	24.60	24.99	24.16	22.61	20.91	19.68	19.41	18.42	17.56