

1. OTA PASSIVE ANTENNA TEST REPORT

Date of Report	23/04/2026	Client's Contact person:	Manuel Åberg Cobo
Number of pages:	26	Responsible Test engineer:	Veli-Matti Niemitalo
Testing laboratory:	Verkotan Oy Elektroniikkatie 17 90590 Oulu Finland	Client:	Natural Cycles Nordic AB Sankt Eriksgatan 63 B 112 34 Stockholm Sweden
Tested devices	NCRG1, Sizes 6, 7, 8, 9, 10, 11, 12		
Testing has been carried out in accordance with:	Passive measurements per customer request		
Documentation:	The test report must always be reproduced in full; reproduction of an excerpt only is subject to written approval of the testing laboratory.		
Test Results:	The test results relate only to devices specified in this document		
Date and signatures:	 Jani Kallankari 23.04.2026 Chief scientist		

2. SUMMARY

2.1 Test Details

Devices under Test (DUT):

Product:	NCRG1, Sizes 6, 7, 8, 9, 10, 11, 12
Note	Measured in free space and on hand phantom
Manufacturer info:	-
SW Info:	-
DUT numbers:	381, 382, 383, 384, 388, 386, 387
Tested Frequencies [MHz]	2300-2600 in 5 MHz steps

Testing information:

Testing performed:	10.02.2026, 25.02.2026, Siilo-lab
Notes:	-
Document name:	Passive_OTA_test_report_ID5993_NCRG1_25032026
Temperature °C / Humidity RH%	22±2 / 50%±10%
Measurement performed by:	Veli-Matti Niemitalo
Document history:	25.03.2026 Initial version 23.04.2026 Non-draft version

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3. TEST EQUIPMENT

Main used test equipment is listed below. For full equipment list and calibration intervals, please contact the testing laboratory.

Type of Equipment	Type	Manufacturer	Calibration date	Calibration period	Calibration due	Purpose
Diagonal Dual Polarized Horn Measurement Antenna	114960	ETS	Included in range calibration	Included in range calibration	Included in range calibration	Probe antenna
Positioning Controller	2090	EMCO	n/a	n/a	n/a	DUT alignment
3D Positioner	Custom made	ETS-Lindgren	n/a	n/a	n/a	DUT alignment
Anechoic Chamber	4	ETS-Lindgren	12.02.2025	1 year	12.05.2026*	Test range
Switching System	MSN-6TD-06-DEC-SP	American Microwave	Included in range calibration	Included in range calibration	Included in range calibration	Probe selection
Switching System	SW6AD-A61	Pulsar	Included in range calibration	Included in range calibration	Included in range calibration	Probe selection
Network Analyzer	E5071C	Agilent	05.2025	1 year	05.2026	Measurement transmitter / receiver
Dual-Ridge Horn Antenna	SH600	MVG	20.08.2020	n/a	n/a	Calibration antenna 1-9 GHz
Hand phantom	IXB-056R	IndexSAR	n/a	n/a	n/a	Hand phantom

Table 1. Antenna pattern measurement equipment, Anechoic Chamber 4

*Calibration due date extended by 3 months by engineering decision

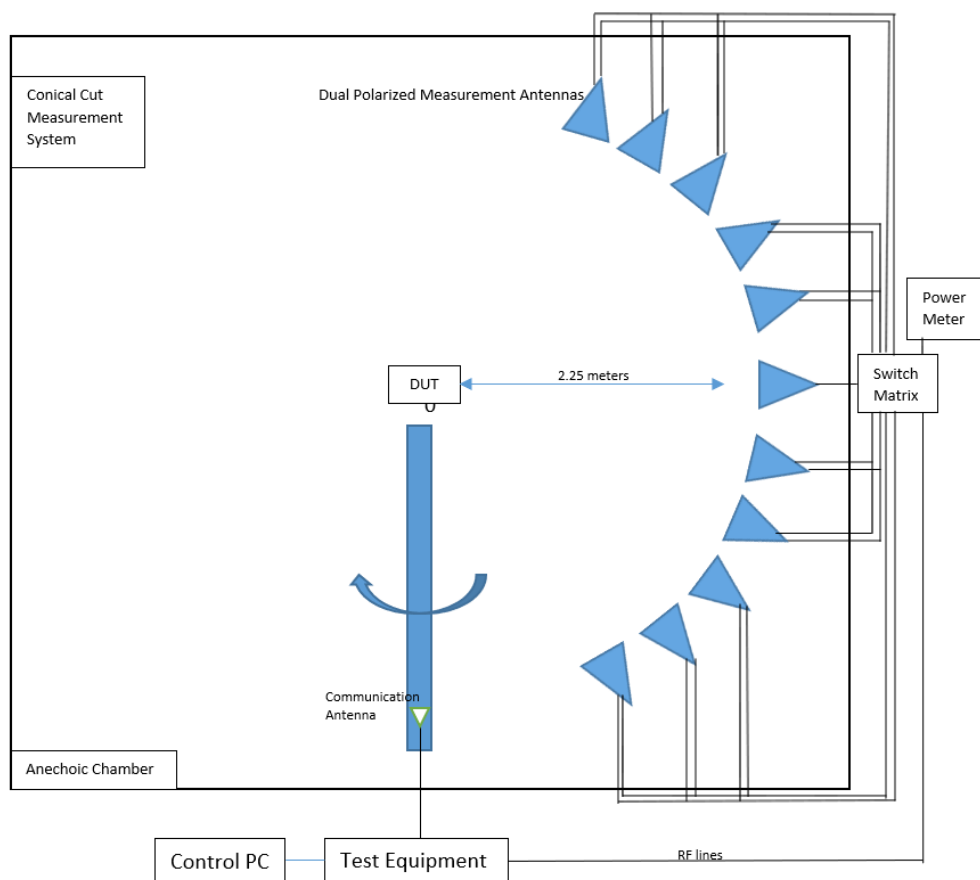


Figure 1. Laboratory 4 chamber schematic.

4. TEST SETUP

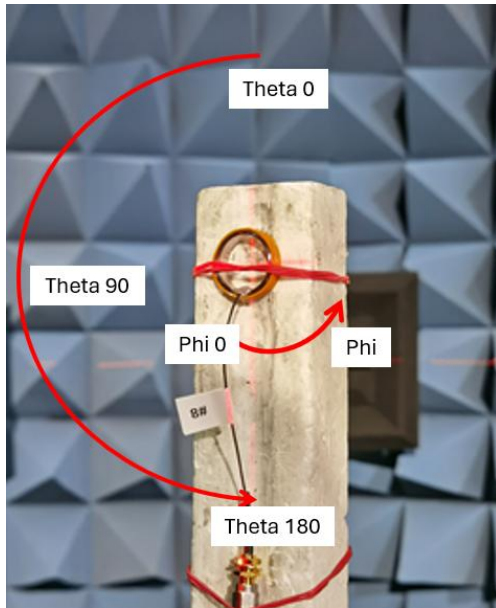


Figure 2 DUT in Free Space and antenna pattern coordinate system

Vertical laser in DUT setup position denotes $\phi=0$, horizontal laser denotes $\theta=90$. Theta 0 is directly up from DUT, and theta 180 is down from DUT.

In measurements with hand phantom, the DUT setup orientation at measurement position changes depending on which hand phantom finger was used. Please see 4.2 Setup Images, Finger for reference.

4.1 Setup Images, Free Space

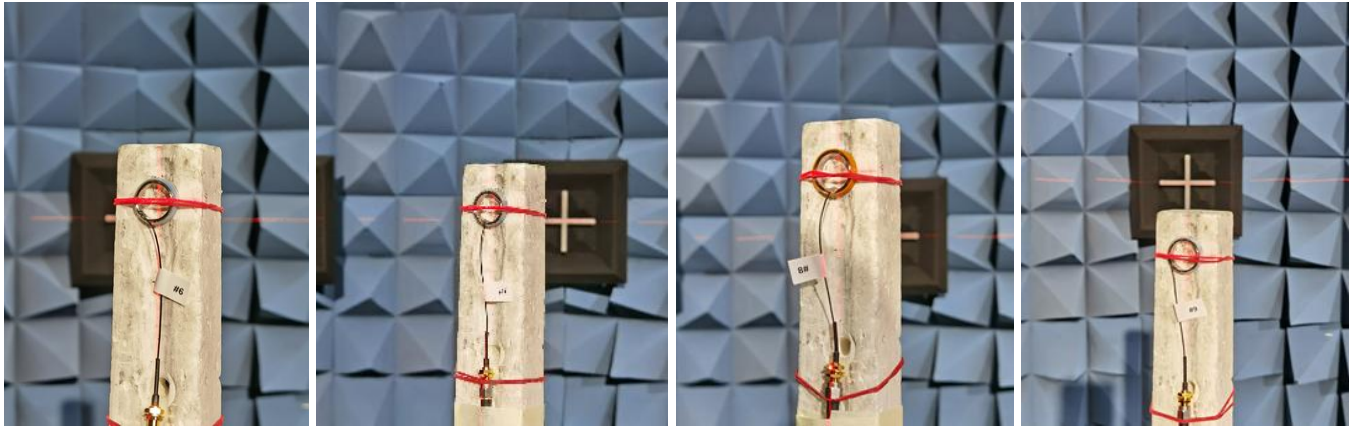


Figure 3 Free space setup of sizes #6, #7, #8, #9

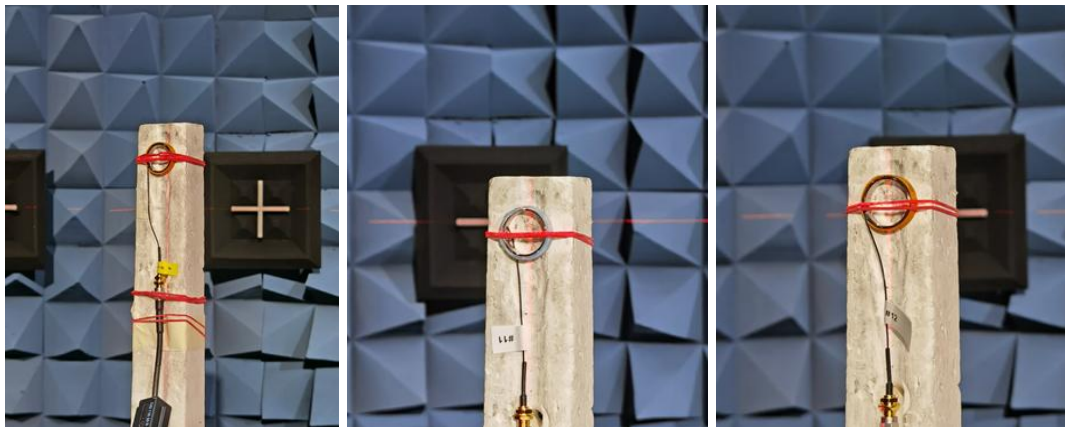


Figure 4 Free space setup of sizes #10, #11, #12

4.2 Setup Images, Finger

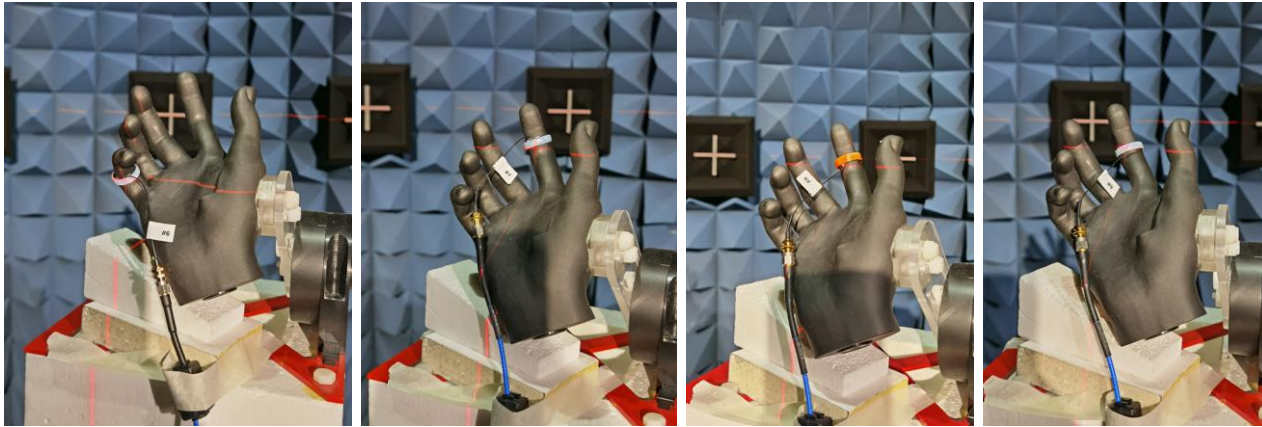


Figure 5 Finger setup of sizes #6, #7, #8, #9

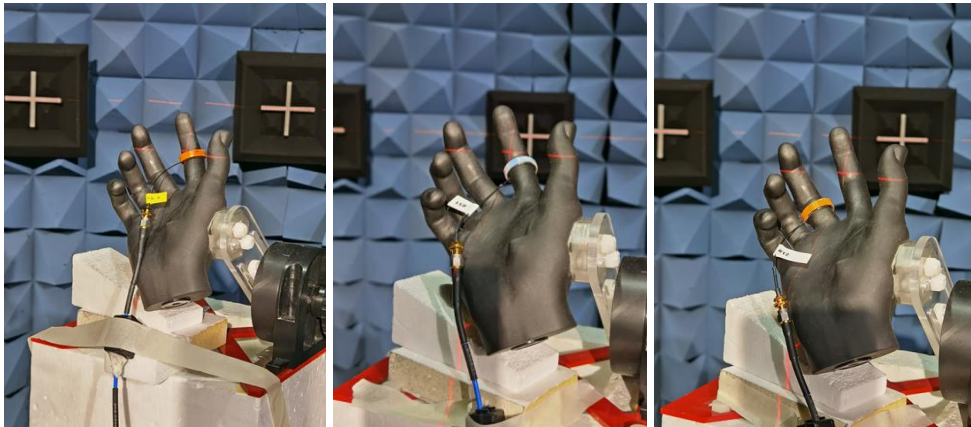


Figure 6 Finger setup of sizes #10, #11, #12

5. RESULTS

5.1 Passive OTA measurements

5.1.1 Free Space

5.1.1.1 Maximum gain

Frequency [MHz]	#6	#7	#8	#9	#10	#11	#12
2300	-6.7	-10.3	-7.1	-1.2	-6.8	-8.2	-11.0
2305	-6.8	-10.6	-7.4	-1.3	-6.8	-8.6	-11.5
2310	-7.0	-11.0	-7.8	-1.5	-7.1	-9.0	-11.8
2315	-7.0	-11.2	-8.0	-1.7	-7.3	-9.2	-11.8
2320	-7.0	-11.3	-8.1	-1.7	-7.3	-9.3	-12.0
2325	-7.0	-11.7	-8.3	-1.7	-7.4	-9.5	-12.2
2330	-7.1	-12.1	-8.8	-1.8	-7.5	-9.7	-12.5
2335	-7.3	-12.2	-9.4	-2.1	-7.7	-9.8	-12.9
2340	-7.5	-12.2	-9.6	-2.4	-7.7	-10.0	-13.2
2345	-7.8	-12.3	-9.9	-2.7	-7.8	-10.2	-13.6
2350	-8.1	-12.7	-10.2	-3.1	-7.9	-10.5	-13.9
2355	-8.3	-13.1	-10.6	-3.4	-8.1	-10.8	-14.2
2360	-8.4	-13.5	-10.9	-3.4	-8.1	-11.0	-14.5
2365	-8.3	-13.7	-10.9	-3.4	-8.2	-11.1	-14.7
2370	-8.3	-13.7	-10.9	-3.4	-8.3	-11.3	-15.0
2375	-8.4	-13.6	-10.8	-3.7	-8.4	-11.2	-15.1
2380	-8.6	-13.5	-10.7	-3.8	-8.4	-11.0	-14.9
2385	-8.8	-13.4	-10.7	-3.8	-8.3	-10.9	-14.8
2390	-8.9	-13.6	-11.0	-4.0	-8.2	-11.0	-15.0
2395	-9.1	-13.7	-11.4	-4.2	-8.4	-11.1	-15.3
2400	-9.3	-13.7	-11.4	-4.4	-8.6	-11.2	-15.3
2405	-9.2	-13.5	-11.3	-4.5	-8.7	-11.3	-15.7
2410	-9.1	-13.3	-11.2	-4.6	-8.7	-11.5	-16.0
2415	-8.9	-13.2	-11.1	-4.7	-8.8	-11.7	-16.1
2420	-8.6	-13.2	-11.0	-4.7	-9.0	-11.7	-16.1
2425	-8.4	-13.3	-11.1	-4.8	-9.0	-11.5	-15.8
2430	-8.3	-13.6	-11.4	-5.0	-9.0	-11.6	-16.0
2435	-8.3	-14.0	-11.9	-5.3	-9.1	-11.8	-16.2
2440	-8.3	-14.2	-12.2	-5.5	-9.3	-12.0	-16.4
2445	-8.3	-14.1	-12.3	-5.7	-9.4	-12.1	-16.4
2450	-8.3	-14.2	-12.4	-5.9	-9.5	-12.4	-16.4
2455	-8.2	-14.4	-12.5	-6.1	-9.7	-12.7	-16.5
2460	-8.0	-14.5	-12.6	-6.2	-9.9	-12.8	-16.5
2465	-7.7	-14.6	-12.5	-6.3	-9.9	-12.7	-16.6

2470	-7.6	-14.7	-12.7	-6.3	-10.0	-12.5	-16.5
2475	-7.5	-14.9	-12.9	-6.3	-10.0	-12.5	-16.5
2480	-7.6	-15.0	-13.4	-6.4	-10.1	-12.5	-16.5
2485	-7.6	-15.0	-13.7	-6.5	-10.2	-12.5	-16.4
2490	-7.5	-15.4	-13.9	-6.8	-10.3	-12.7	-16.6
2495	-7.4	-15.6	-14.0	-6.9	-10.4	-12.9	-16.7
2500	-7.4	-15.8	-14.1	-7.0	-10.7	-13.0	-16.6
2505	-7.4	-15.8	-14.1	-7.2	-10.8	-13.2	-16.6
2510	-7.4	-15.6	-14.6	-7.4	-11.0	-13.4	-16.7
2515	-7.4	-15.6	-14.9	-7.8	-11.0	-13.6	-17.0
2520	-7.6	-15.9	-15.5	-8.2	-11.3	-14.0	-17.3
2525	-8.0	-16.1	-15.9	-8.4	-11.7	-14.2	-17.4
2530	-8.3	-16.3	-16.1	-8.8	-12.0	-14.4	-17.6
2535	-8.5	-16.8	-16.5	-9.2	-12.3	-14.8	-17.8
2540	-8.6	-17.1	-17.3	-9.5	-12.6	-15.2	-17.7
2545	-8.7	-17.2	-17.6	-9.7	-12.8	-15.3	-17.7
2550	-8.7	-17.2	-17.6	-9.8	-13.1	-15.5	-17.7
2555	-8.7	-17.1	-17.6	-10.1	-13.3	-15.7	-17.8
2560	-8.8	-17.1	-17.6	-10.5	-13.5	-15.8	-17.8
2565	-9.0	-17.1	-17.3	-10.7	-13.6	-15.7	-17.5
2570	-9.3	-17.4	-17.8	-11.0	-13.9	-16.0	-17.5
2575	-9.6	-17.9	-17.9	-11.4	-14.3	-16.0	-17.9
2580	-10.1	-18.3	-17.8	-11.8	-14.7	-16.2	-18.1
2585	-10.4	-18.3	-17.9	-12.1	-15.1	-16.6	-18.2
2590	-10.5	-18.5	-17.9	-12.3	-15.4	-16.8	-18.3
2595	-10.6	-18.7	-18.1	-12.8	-15.6	-17.1	-18.4
2600	-10.8	-18.9	-18.4	-13.2	-16.0	-17.5	-18.8

Table 2 Maximum gain, Free space

5.1.1.2 Efficiency

Frequency [MHz]	#6	#7	#8	#9	#10	#11	#12
2300	-17.2	-18.9	-15.3	-10.2	-16.2	-17.8	-19.3
2305	-17.2	-19.0	-15.4	-10.2	-16.2	-18.0	-19.5
2310	-17.3	-19.2	-15.5	-10.4	-16.3	-18.1	-19.7
2315	-17.2	-19.3	-15.6	-10.5	-16.5	-18.1	-19.7
2320	-17.1	-19.2	-15.6	-10.5	-16.4	-18.1	-19.7
2325	-17.0	-19.2	-15.7	-10.5	-16.4	-18.1	-19.8
2330	-17.1	-19.5	-15.9	-10.6	-16.5	-18.3	-20.0
2335	-17.2	-19.7	-16.1	-10.7	-16.6	-18.4	-20.2
2340	-17.2	-19.8	-16.2	-10.8	-16.6	-18.4	-20.2
2345	-17.2	-19.9	-16.4	-10.9	-16.6	-18.6	-20.4
2350	-17.3	-20.1	-16.6	-11.0	-16.7	-18.7	-20.6
2355	-17.4	-20.3	-16.8	-11.2	-16.9	-18.9	-20.8
2360	-17.3	-20.3	-16.9	-11.2	-17.0	-18.9	-20.8
2365	-17.2	-20.2	-16.9	-11.3	-16.9	-18.9	-20.9
2370	-17.1	-20.3	-17.0	-11.3	-16.9	-18.9	-21.0
2375	-17.0	-20.4	-17.1	-11.4	-17.0	-18.9	-21.0
2380	-17.0	-20.3	-17.1	-11.4	-17.1	-18.8	-20.9
2385	-16.8	-20.2	-17.1	-11.4	-16.9	-18.7	-20.9
2390	-16.7	-20.4	-17.2	-11.4	-16.8	-18.8	-21.1
2395	-16.7	-20.5	-17.4	-11.6	-17.0	-18.9	-21.2
2400	-16.7	-20.5	-17.5	-11.7	-17.1	-18.9	-21.2
2405	-16.6	-20.5	-17.5	-11.8	-17.1	-19.0	-21.2
2410	-16.5	-20.5	-17.6	-11.8	-17.1	-19.1	-21.4
2415	-16.5	-20.6	-17.8	-12.0	-17.2	-19.4	-21.6
2420	-16.5	-20.7	-17.9	-12.2	-17.3	-19.4	-21.6
2425	-16.5	-20.7	-18.0	-12.3	-17.4	-19.5	-21.7
2430	-16.4	-20.9	-18.2	-12.5	-17.4	-19.7	-22.0
2435	-16.4	-21.1	-18.5	-12.8	-17.6	-19.9	-22.2
2440	-16.5	-21.3	-18.8	-13.0	-17.8	-20.1	-22.3
2445	-16.6	-21.4	-18.9	-13.1	-17.9	-20.1	-22.3
2450	-16.5	-21.6	-19.1	-13.4	-18.0	-20.4	-22.6
2455	-16.5	-21.8	-19.3	-13.6	-18.1	-20.6	-22.8
2460	-16.5	-21.9	-19.5	-13.8	-18.2	-20.7	-22.8
2465	-16.4	-21.9	-19.5	-13.8	-18.3	-20.8	-22.8
2470	-16.3	-21.9	-19.6	-13.9	-18.3	-20.8	-22.8
2475	-16.3	-22.0	-19.7	-14.1	-18.3	-20.8	-22.9
2480	-16.2	-22.0	-19.8	-14.2	-18.4	-20.9	-22.8
2485	-16.2	-22.0	-19.8	-14.3	-18.4	-20.9	-22.8
2490	-16.1	-22.2	-20.0	-14.4	-18.5	-21.0	-22.9
2495	-16.1	-22.3	-20.2	-14.6	-18.6	-21.2	-23.0

12 (26)

2500	-16.1	-22.5	-20.4	-14.7	-18.7	-21.3	-23.0
2505	-16.1	-22.6	-20.5	-14.9	-18.8	-21.4	-23.0
2510	-16.1	-22.7	-20.7	-15.0	-18.8	-21.4	-23.1
2515	-16.1	-23.0	-21.0	-15.3	-18.9	-21.7	-23.3
2520	-16.2	-23.3	-21.3	-15.7	-19.1	-22.0	-23.5
2525	-16.4	-23.4	-21.5	-15.9	-19.4	-22.2	-23.5
2530	-16.5	-23.5	-21.7	-16.1	-19.5	-22.4	-23.7
2535	-16.6	-23.7	-21.9	-16.4	-19.7	-22.6	-23.9
2540	-16.6	-23.9	-22.2	-16.8	-19.9	-22.9	-24.0
2545	-16.7	-24.0	-22.3	-16.9	-20.1	-22.9	-24.0
2550	-16.8	-24.0	-22.4	-17.1	-20.2	-22.9	-24.0
2555	-16.8	-24.2	-22.6	-17.3	-20.3	-23.0	-24.1
2560	-16.9	-24.3	-22.9	-17.6	-20.4	-23.2	-24.2
2565	-17.0	-24.3	-22.9	-17.7	-20.5	-23.1	-24.1
2570	-17.1	-24.4	-22.9	-17.8	-20.5	-23.2	-24.2
2575	-17.1	-24.5	-23.1	-18.1	-20.6	-23.2	-24.3
2580	-17.2	-24.6	-23.2	-18.3	-20.8	-23.3	-24.3
2585	-17.3	-24.6	-23.3	-18.5	-20.8	-23.3	-24.3
2590	-17.4	-24.6	-23.4	-18.6	-20.9	-23.3	-24.4
2595	-17.5	-24.9	-23.7	-19.0	-21.1	-23.5	-24.7
2600	-17.7	-25.2	-24.0	-19.4	-21.3	-23.7	-25.0

Table 3 Efficiency, Free space

5.1.2 Finger

5.1.2.1 Maximum Gain

Frequency [MHz]	#6	#7	#8	#9	#10	#11	#12
2300	-14.0	-12.7	-8.5	-7.0	-10.9	-16.2	-20.2
2305	-14.1	-13.3	-9.0	-6.9	-11.4	-16.9	-20.6
2310	-14.3	-14.0	-9.5	-6.9	-11.9	-17.4	-20.8
2315	-14.3	-14.0	-9.7	-6.9	-12.1	-17.5	-21.1
2320	-14.1	-13.9	-9.7	-6.8	-12.2	-17.4	-21.4
2325	-14.1	-13.9	-9.8	-6.8	-12.2	-17.4	-21.8
2330	-14.1	-14.1	-10.1	-6.8	-12.4	-17.7	-21.7
2335	-14.5	-14.2	-10.4	-7.0	-12.7	-17.9	-21.6
2340	-15.0	-14.0	-10.9	-7.0	-12.8	-17.8	-21.3
2345	-15.6	-14.0	-11.4	-7.1	-12.8	-18.0	-21.3
2350	-16.0	-14.0	-11.8	-7.2	-12.9	-18.1	-21.3
2355	-16.1	-14.0	-12.1	-7.3	-13.1	-18.3	-21.0
2360	-15.9	-13.9	-12.0	-7.3	-13.2	-18.3	-20.8
2365	-15.6	-13.8	-11.8	-7.3	-13.2	-18.1	-20.3
2370	-15.5	-13.9	-11.7	-7.2	-13.3	-18.1	-19.4
2375	-15.7	-14.1	-11.5	-7.3	-13.4	-18.2	-19.1
2380	-16.1	-14.0	-11.4	-7.3	-13.5	-18.1	-18.5
2385	-16.4	-13.9	-11.3	-7.3	-13.6	-17.9	-18.2
2390	-16.3	-14.0	-11.5	-7.3	-13.5	-17.9	-17.9
2395	-16.1	-13.7	-11.6	-7.5	-13.7	-17.9	-17.7
2400	-15.9	-13.2	-11.6	-7.6	-13.8	-17.8	-17.6
2405	-15.6	-12.9	-11.5	-7.7	-13.8	-17.5	-17.3
2410	-15.4	-13.1	-11.3	-7.8	-13.8	-17.6	-17.2
2415	-15.4	-13.4	-11.1	-7.9	-13.8	-17.8	-17.2
2420	-15.2	-13.4	-11.1	-8.0	-13.8	-17.7	-17.0
2425	-14.7	-13.5	-11.0	-8.2	-13.9	-17.8	-17.0
2430	-14.2	-13.4	-11.1	-8.3	-13.9	-18.0	-17.3
2435	-14.3	-13.4	-11.3	-8.1	-13.7	-18.1	-17.5
2440	-14.3	-13.2	-11.6	-8.2	-13.4	-18.4	-17.8
2445	-13.9	-13.2	-11.8	-8.4	-13.4	-18.4	-18.1
2450	-13.7	-13.4	-12.0	-8.7	-13.3	-18.5	-18.5
2455	-13.6	-14.1	-12.0	-9.1	-13.2	-18.6	-19.1
2460	-13.5	-14.5	-11.9	-8.9	-13.1	-18.6	-18.9
2465	-13.1	-14.3	-11.7	-8.8	-13.1	-18.7	-19.3
2470	-12.8	-14.2	-11.8	-8.8	-13.2	-19.0	-19.6
2475	-12.4	-14.2	-12.0	-9.0	-12.9	-19.3	-19.8
2480	-11.9	-14.4	-12.2	-8.9	-12.7	-19.5	-19.9
2485	-11.4	-14.7	-12.4	-8.9	-12.6	-19.6	-20.0

2490	-11.2	-15.3	-12.9	-9.3	-12.9	-19.9	-20.3
2495	-11.0	-15.8	-13.3	-9.4	-13.4	-20.1	-20.5
2500	-11.1	-16.1	-13.5	-9.4	-14.1	-20.4	-20.5
2505	-11.1	-16.3	-13.8	-9.5	-14.5	-20.5	-20.5
2510	-11.1	-16.6	-14.1	-9.6	-14.9	-20.4	-20.5
2515	-11.0	-16.9	-14.7	-9.9	-15.2	-20.8	-21.0
2520	-11.1	-17.3	-15.5	-10.2	-15.4	-21.2	-21.2
2525	-11.1	-17.3	-15.8	-10.3	-15.6	-21.4	-21.4
2530	-11.0	-17.3	-15.9	-10.5	-15.6	-21.6	-21.7
2535	-10.9	-17.4	-16.2	-10.8	-15.8	-21.9	-22.0
2540	-11.0	-17.5	-16.4	-11.0	-16.0	-22.0	-21.9
2545	-11.2	-17.6	-16.6	-11.2	-16.2	-22.1	-21.4
2550	-11.3	-17.5	-16.6	-11.2	-16.3	-22.2	-21.5
2555	-11.5	-17.7	-16.9	-11.4	-16.4	-22.3	-21.6
2560	-11.5	-17.9	-17.1	-11.7	-16.5	-22.5	-21.4
2565	-11.7	-17.9	-17.2	-11.8	-16.6	-22.4	-21.2
2570	-11.7	-17.8	-17.4	-12.0	-16.6	-22.3	-20.7
2575	-11.7	-17.9	-17.7	-12.2	-16.6	-22.2	-20.7
2580	-11.9	-18.0	-17.9	-12.4	-16.6	-21.5	-20.3
2585	-12.0	-18.0	-18.2	-12.6	-16.8	-20.7	-20.0
2590	-11.9	-17.9	-18.4	-12.7	-16.8	-20.0	-20.0
2595	-12.0	-18.2	-18.9	-13.1	-17.0	-19.8	-20.6
2600	-12.2	-18.7	-19.2	-13.6	-17.2	-19.8	-21.3

Table 4 Maximum gain, Finger

5.1.2.2 Efficiency

Frequency [MHz]	#6	#7	#8	#9	#10	#11	#12
2300	-22.3	-19.7	-16.7	-13.4	-17.6	-23.5	-26.4
2305	-22.3	-19.7	-16.8	-13.4	-17.5	-23.6	-26.6
2310	-22.3	-19.7	-16.8	-13.4	-17.7	-23.7	-26.7
2315	-22.3	-19.7	-16.9	-13.4	-17.9	-23.8	-26.8
2320	-22.2	-19.6	-16.8	-13.4	-17.9	-23.8	-26.8
2325	-22.1	-19.6	-16.8	-13.4	-17.8	-23.9	-26.9
2330	-22.2	-19.8	-17.0	-13.5	-18.0	-24.1	-27.0
2335	-22.3	-20.0	-17.2	-13.6	-18.2	-24.3	-27.1
2340	-22.3	-20.0	-17.2	-13.6	-18.3	-24.4	-27.0
2345	-22.3	-20.1	-17.4	-13.7	-18.4	-24.5	-27.0
2350	-22.3	-20.2	-17.5	-13.7	-18.5	-24.6	-27.0
2355	-22.3	-20.3	-17.6	-13.8	-18.7	-24.7	-26.9
2360	-22.2	-20.2	-17.5	-13.8	-18.7	-24.6	-26.7
2365	-22.0	-20.1	-17.5	-13.7	-18.7	-24.5	-26.5
2370	-21.9	-20.1	-17.6	-13.7	-18.7	-24.6	-26.4
2375	-21.9	-20.2	-17.7	-13.8	-18.8	-24.5	-26.1
2380	-21.8	-20.1	-17.6	-13.8	-18.8	-24.4	-25.8
2385	-21.5	-19.9	-17.5	-13.7	-18.7	-24.2	-25.6
2390	-21.3	-19.9	-17.6	-13.7	-18.7	-24.3	-25.6
2395	-21.3	-19.9	-17.7	-13.8	-18.8	-24.3	-25.5
2400	-21.1	-19.8	-17.7	-13.8	-18.9	-24.2	-25.3
2405	-20.9	-19.7	-17.6	-13.8	-18.8	-24.1	-25.2
2410	-20.7	-19.8	-17.7	-13.8	-18.8	-24.2	-25.2
2415	-20.6	-20.0	-17.9	-14.0	-18.9	-24.3	-25.3
2420	-20.5	-20.1	-18.1	-14.1	-19.0	-24.4	-25.3
2425	-20.4	-20.2	-18.2	-14.2	-19.0	-24.4	-25.3
2430	-20.2	-20.3	-18.3	-14.4	-18.9	-24.6	-25.5
2435	-20.2	-20.6	-18.6	-14.6	-19.0	-24.9	-25.7
2440	-20.1	-20.7	-18.8	-14.7	-19.2	-25.0	-25.9
2445	-20.0	-20.7	-18.9	-14.9	-19.3	-25.1	-26.0
2450	-19.9	-20.9	-19.2	-15.1	-19.3	-25.3	-26.4
2455	-19.8	-21.2	-19.4	-15.3	-19.3	-25.6	-26.8
2460	-19.7	-21.3	-19.6	-15.4	-19.4	-25.8	-26.8
2465	-19.5	-21.4	-19.6	-15.4	-19.5	-25.8	-26.9
2470	-19.4	-21.5	-19.7	-15.5	-19.5	-25.9	-27.0
2475	-19.1	-21.6	-19.8	-15.6	-19.5	-26.1	-27.1
2480	-18.9	-21.7	-19.9	-15.6	-19.6	-26.2	-27.1
2485	-18.7	-21.8	-19.9	-15.7	-19.7	-26.3	-27.2
2490	-18.5	-22.0	-20.2	-15.9	-19.8	-26.6	-27.4
2495	-18.3	-22.2	-20.4	-16.0	-20.0	-26.9	-27.5

2500	-18.2	-22.4	-20.6	-16.2	-20.1	-27.1	-27.6
2505	-18.1	-22.6	-20.8	-16.4	-20.3	-27.3	-27.6
2510	-18.0	-22.8	-21.0	-16.6	-20.3	-27.5	-27.7
2515	-18.0	-23.1	-21.3	-16.9	-20.4	-27.8	-27.9
2520	-18.0	-23.4	-21.7	-17.2	-20.7	-28.2	-28.0
2525	-18.0	-23.6	-21.9	-17.4	-20.9	-28.3	-27.9
2530	-18.0	-23.7	-22.1	-17.5	-21.0	-28.4	-27.9
2535	-17.9	-23.9	-22.4	-17.8	-21.2	-28.6	-28.0
2540	-17.9	-24.1	-22.6	-18.1	-21.5	-28.7	-27.9
2545	-17.8	-24.2	-22.8	-18.3	-21.7	-28.7	-27.7
2550	-17.7	-24.2	-23.0	-18.4	-21.7	-28.5	-27.5
2555	-17.7	-24.3	-23.2	-18.7	-21.8	-28.4	-27.4
2560	-17.7	-24.5	-23.4	-18.9	-22.0	-28.4	-27.3
2565	-17.6	-24.5	-23.5	-19.0	-22.0	-28.2	-27.0
2570	-17.6	-24.5	-23.6	-19.2	-22.0	-28.0	-26.9
2575	-17.6	-24.6	-23.8	-19.4	-22.0	-27.9	-26.9
2580	-17.5	-24.5	-23.9	-19.5	-22.0	-27.7	-26.9
2585	-17.5	-24.6	-24.1	-19.7	-22.1	-27.6	-26.9
2590	-17.5	-24.5	-24.2	-19.8	-22.0	-27.4	-26.8
2595	-17.5	-24.7	-24.5	-20.1	-22.1	-27.4	-27.1
2600	-17.7	-25.1	-24.9	-20.5	-22.2	-27.5	-27.3

Table 5 Efficiency, Finger

5.1.3 Maximum gain (graphs)

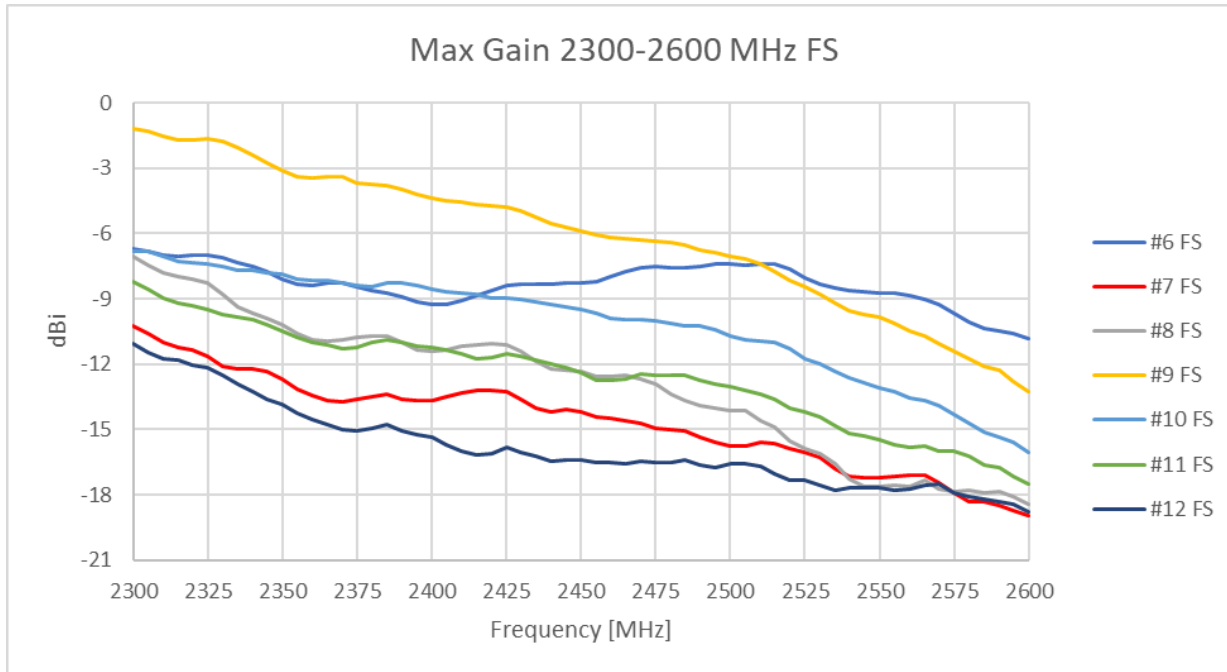


Figure 7 Maximum Gain, Free Space

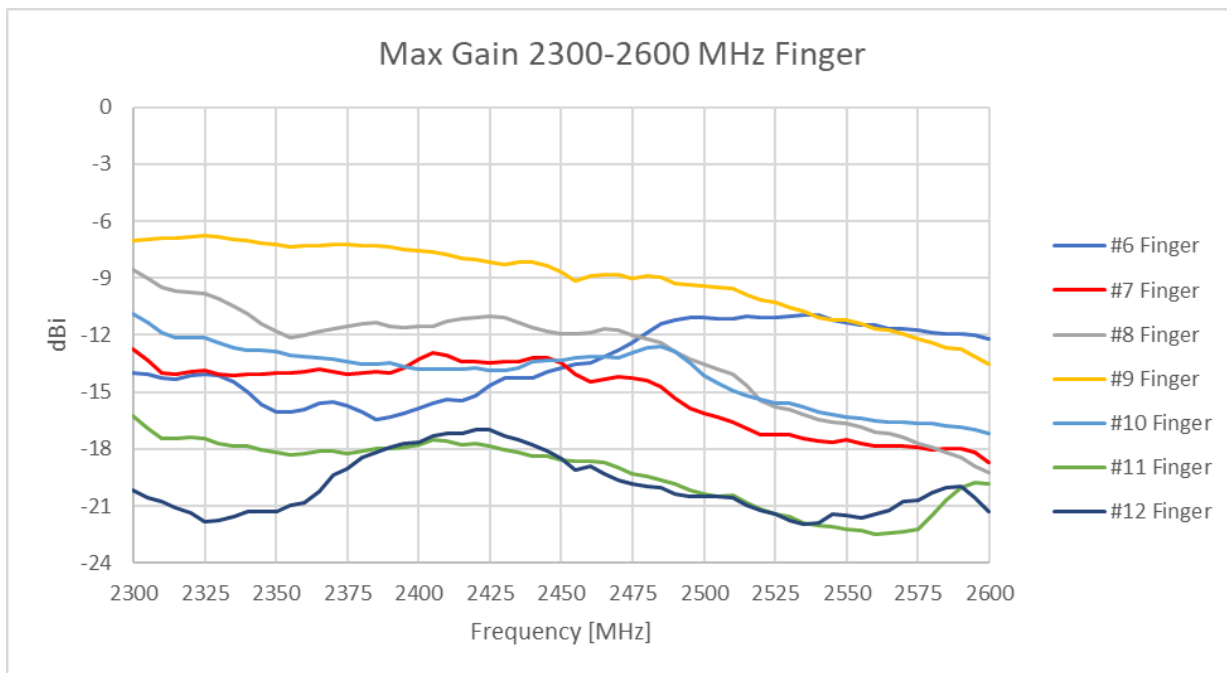


Figure 8 Maximum Gain, Finger

5.1.4 Efficiency (graphs)

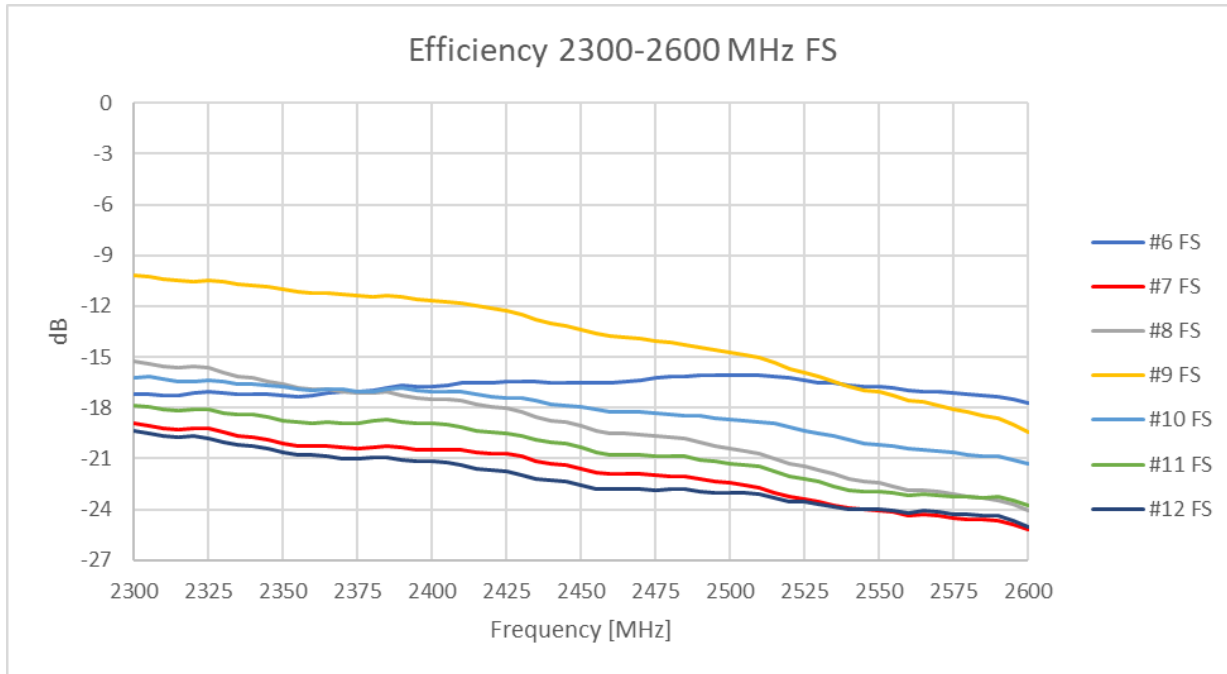


Figure 9 Efficiency, Free Space

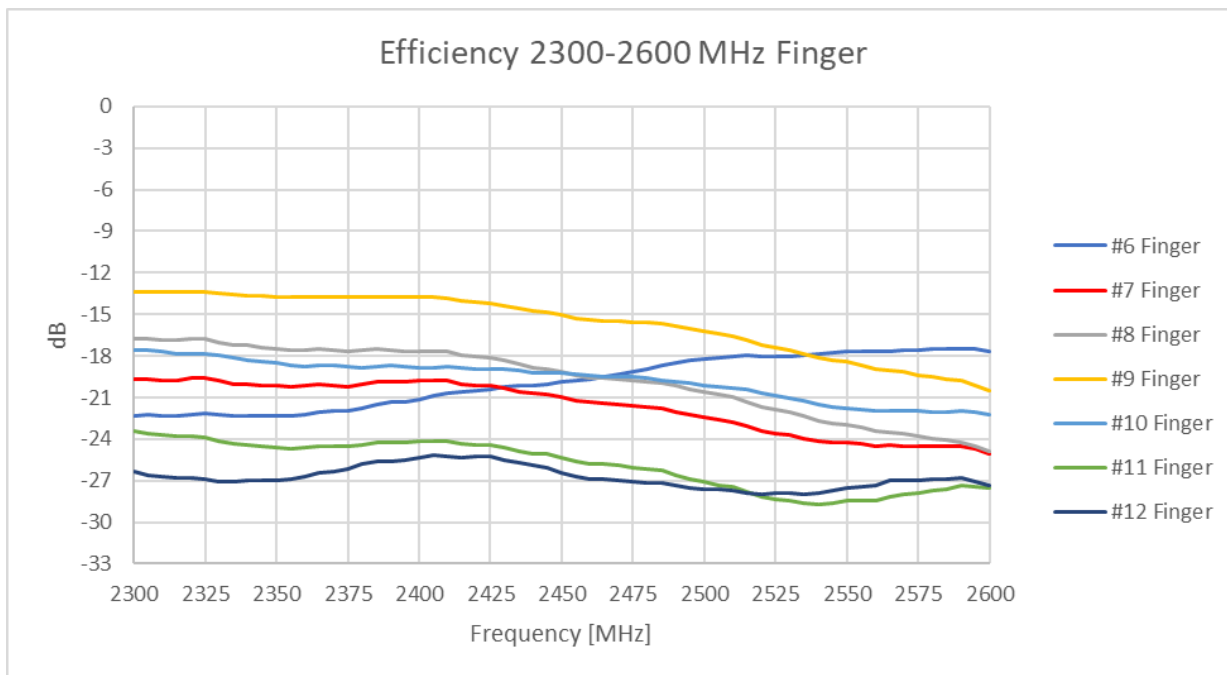


Figure 10 Efficiency, Finger

6. ANTENNA PATTERNS

6.1 #6

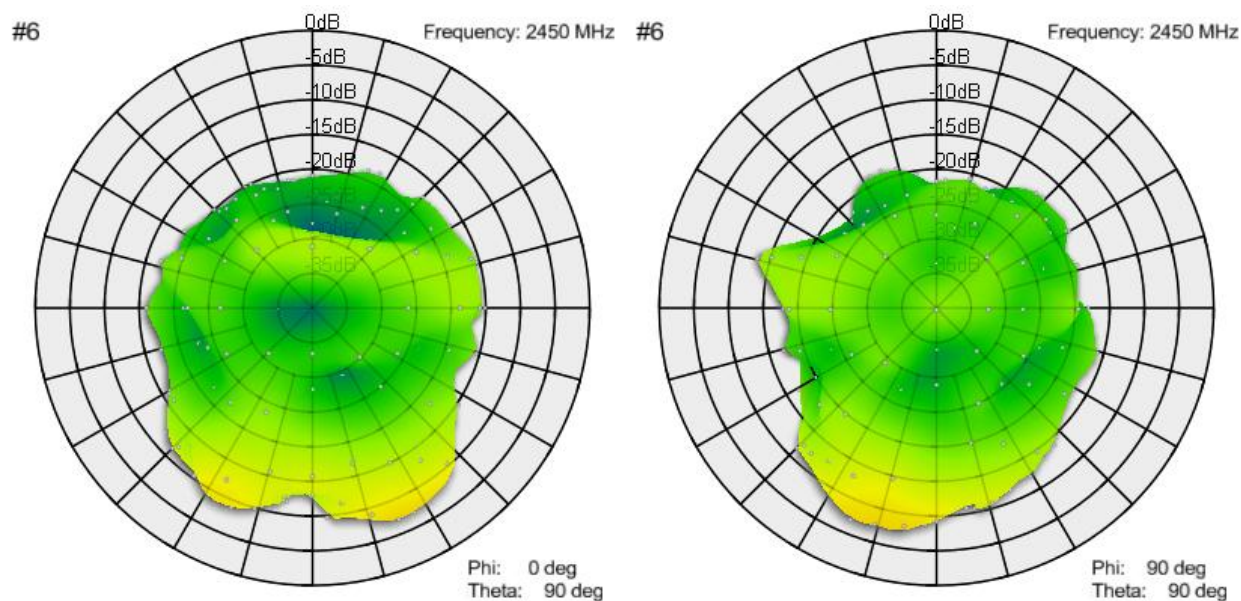


Figure 11 Antenna pattern at 2450 MHz, #6, Free Space

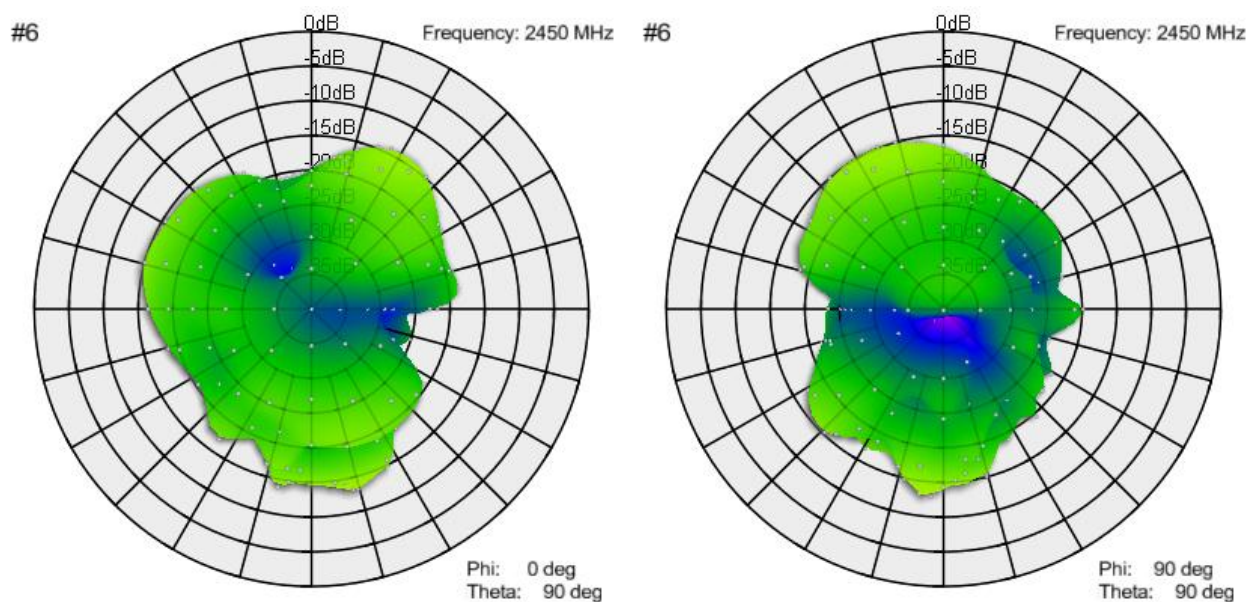


Figure 12 Antenna pattern at 2450 MHz, #6, Finger

6.2 #7

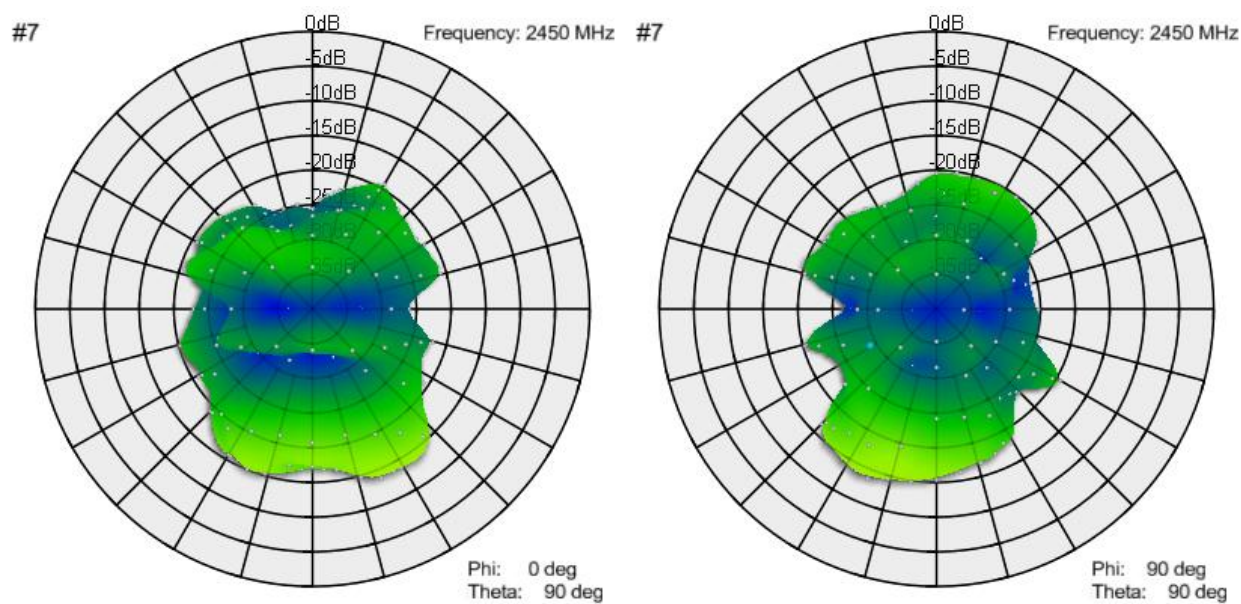


Figure 13 Antenna pattern at 2450 MHz, #7, Free Space

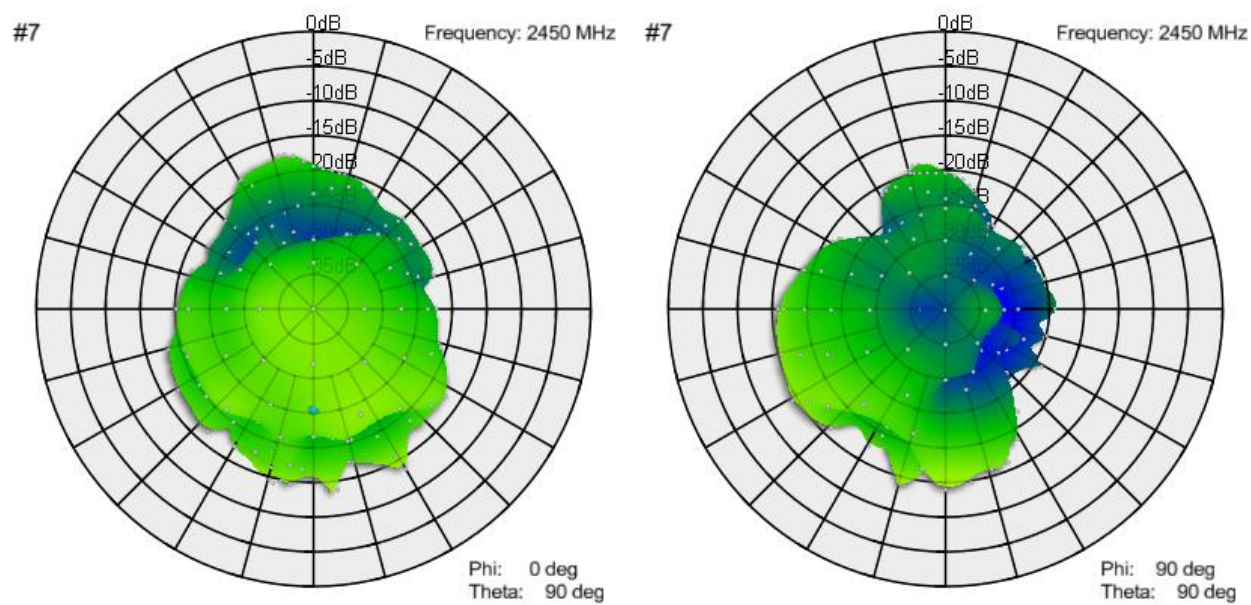


Figure 14 Antenna pattern at 2450 MHz, #7, Finger

6.3 #8

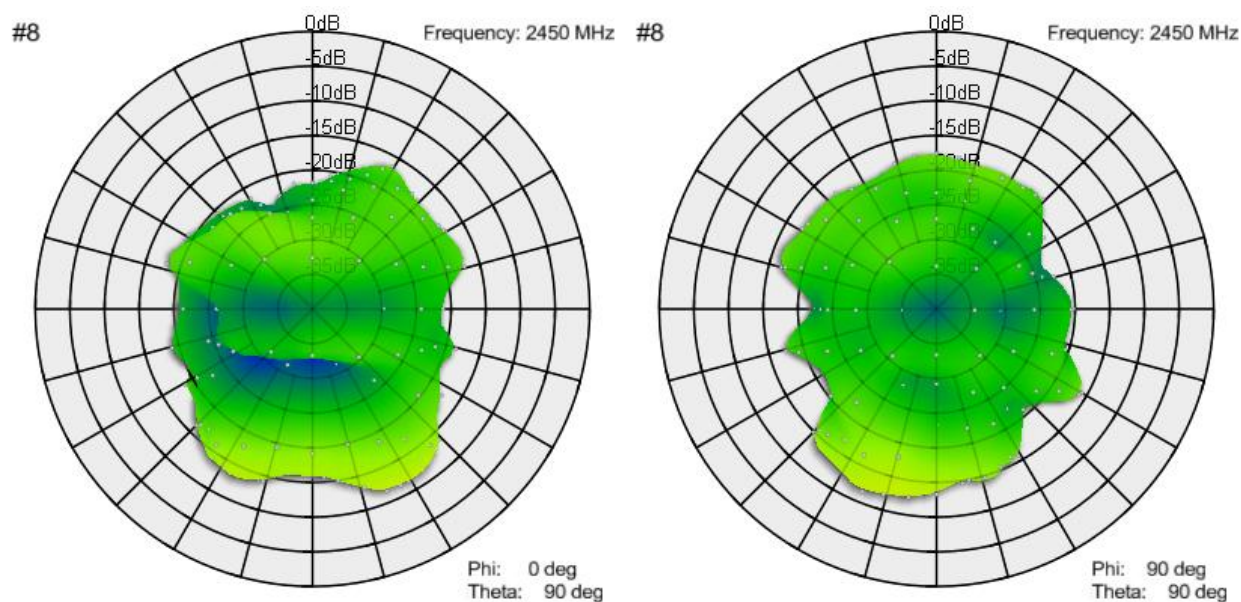


Figure 15 Antenna pattern at 2450 MHz, #8, Free Space

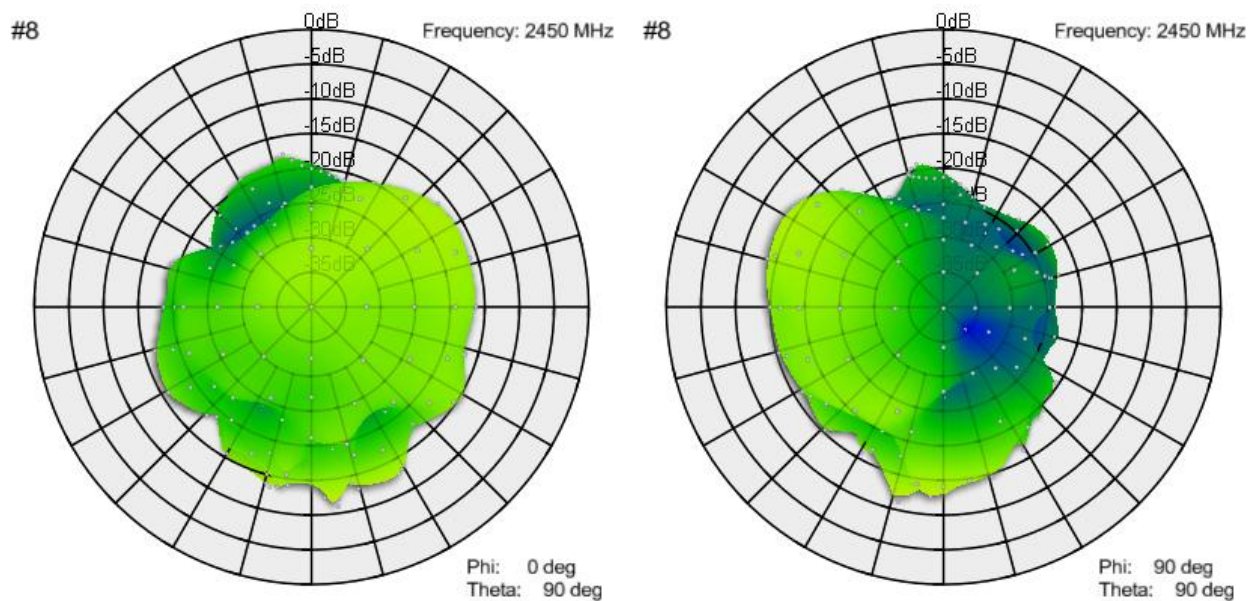


Figure 16 Antenna pattern at 2450 MHz, #8, Finger

6.4 #9

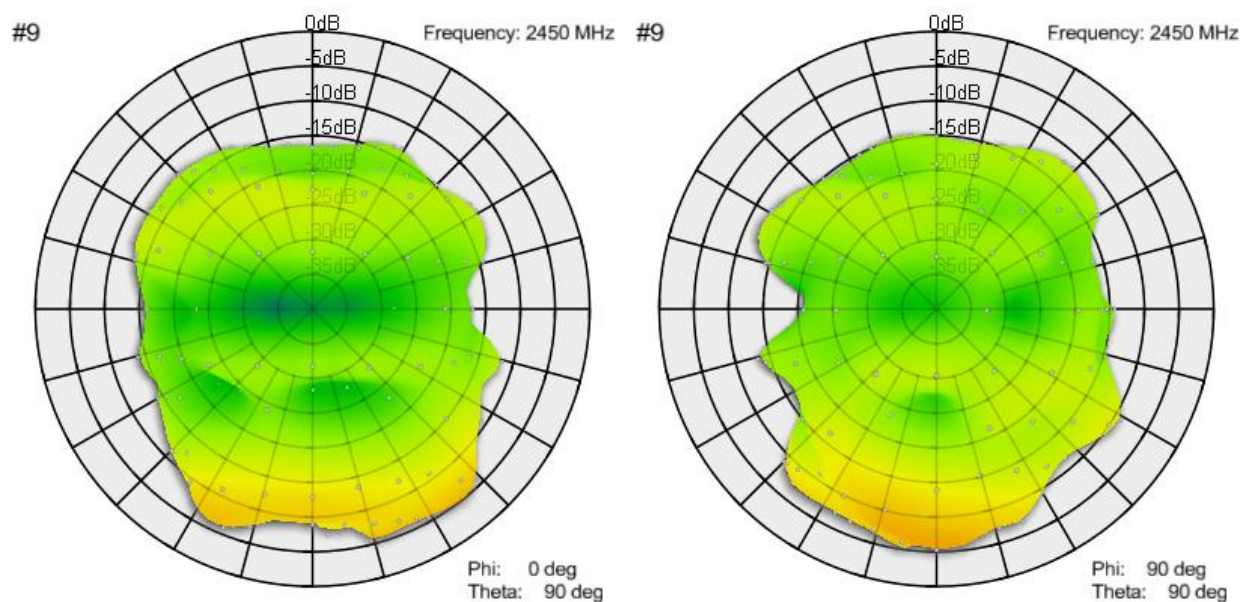


Figure 17 Antenna pattern at 2450 MHz, #9, Free Space

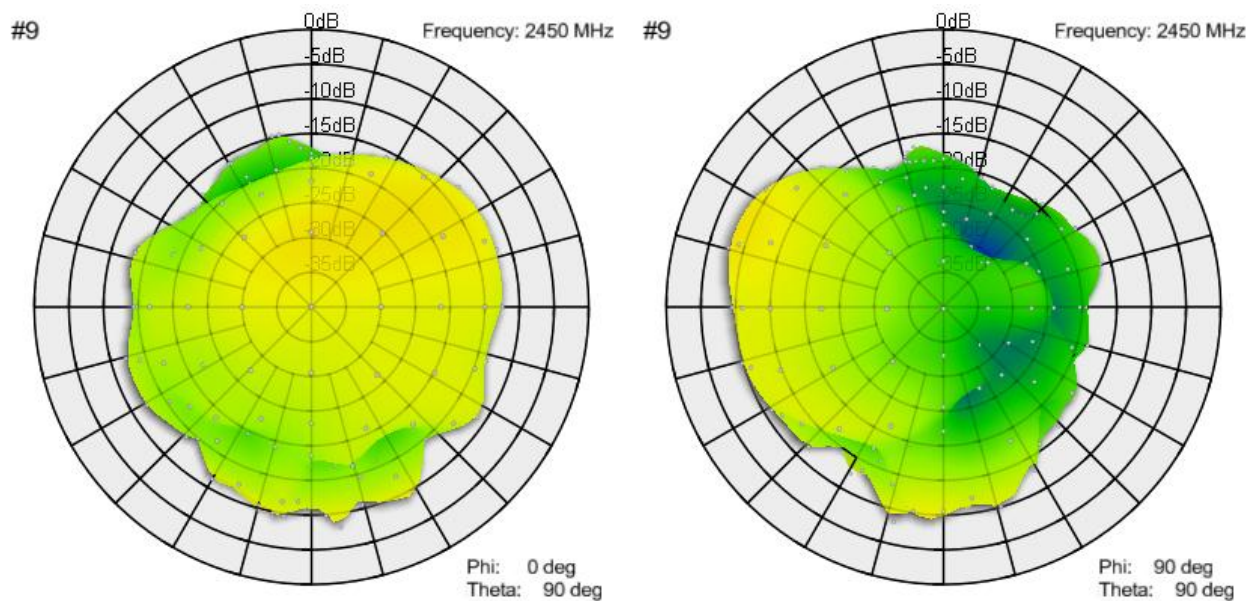


Figure 18 Antenna pattern at 2450 MHz, #9, Finger

6.5 #10

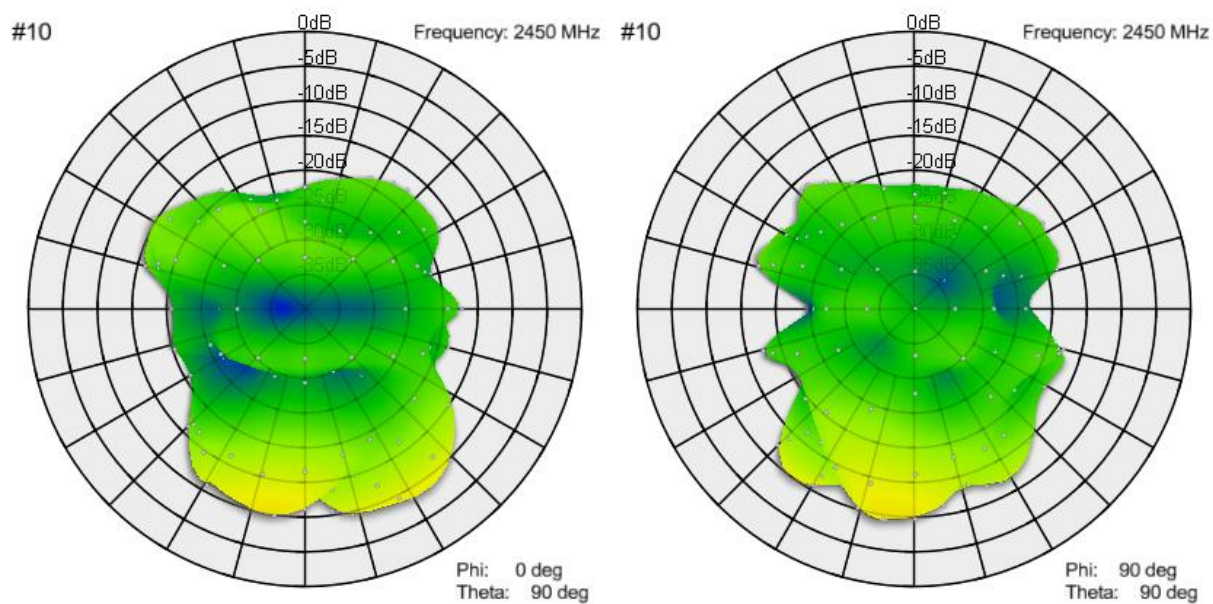


Figure 19 Antenna pattern at 2450 MHz, #10, Free Space

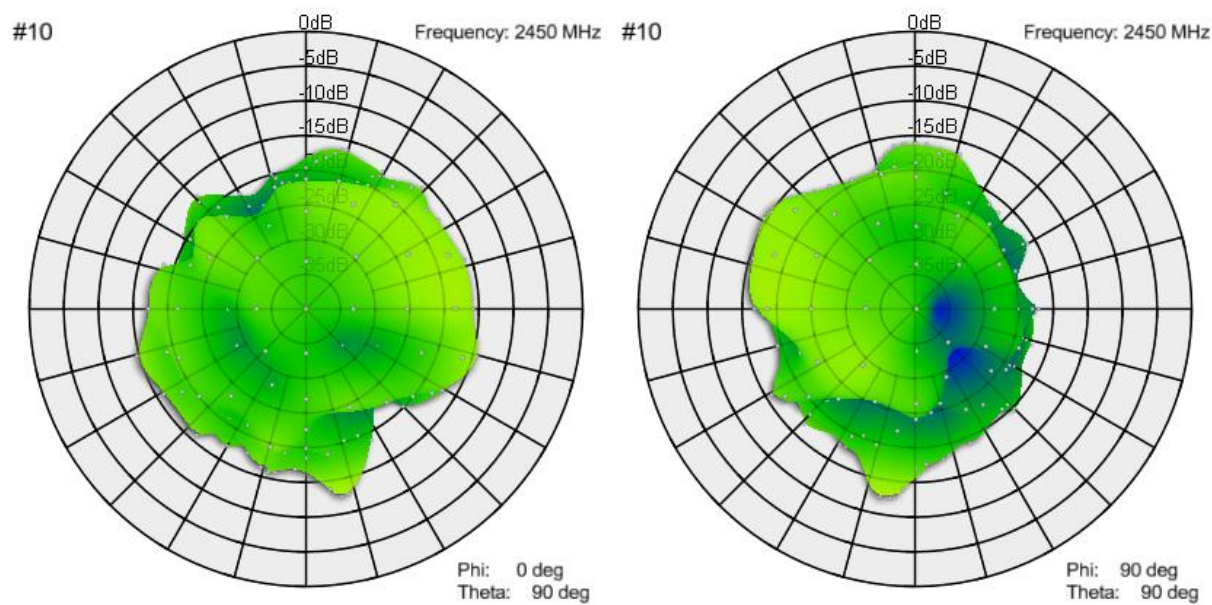


Figure 20 Antenna pattern at 2450 MHz, #10, Finger

6.6 #11

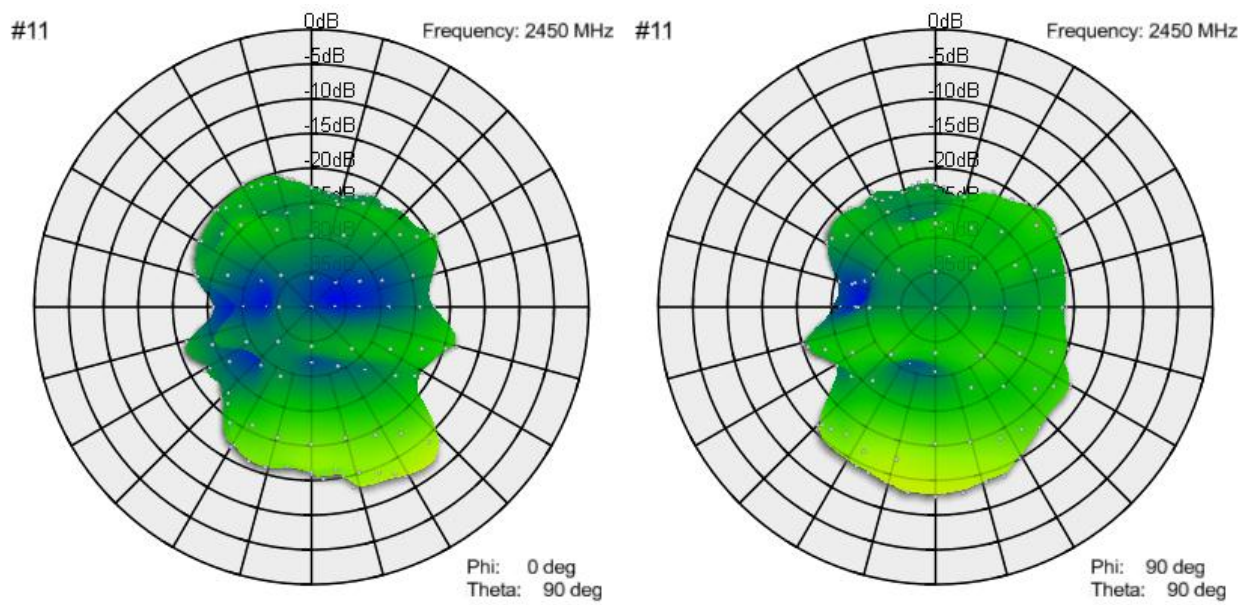


Figure 21 Antenna pattern at 2450 MHz, #11, Free Space

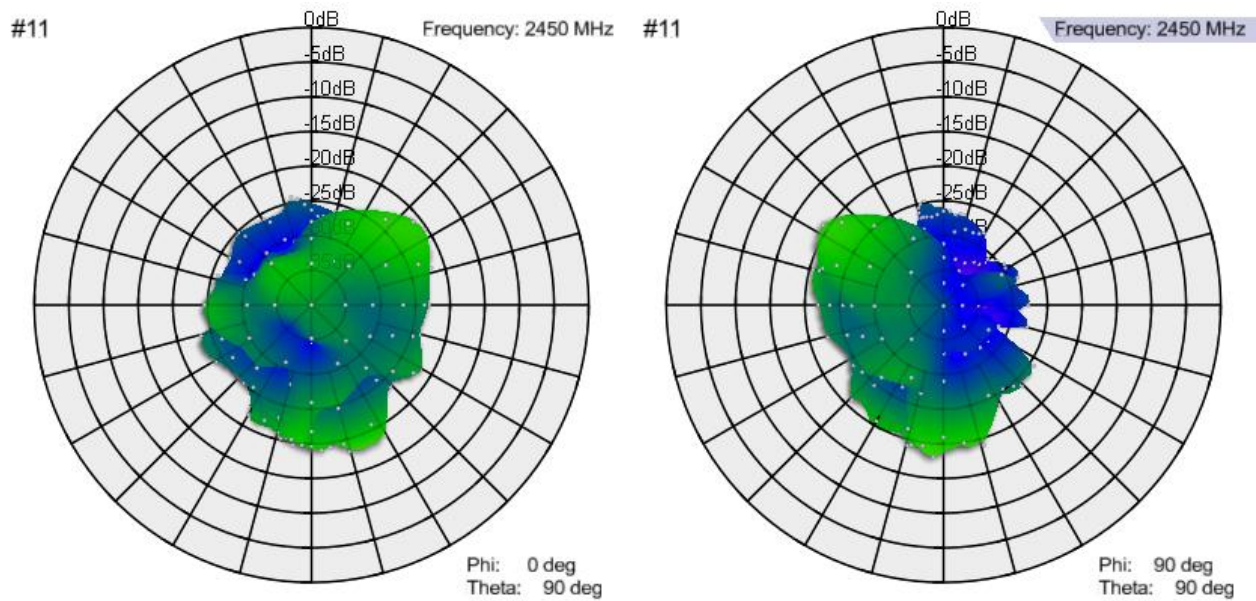


Figure 22 Antenna pattern at 2450 MHz, #11, Finger

6.7 #12

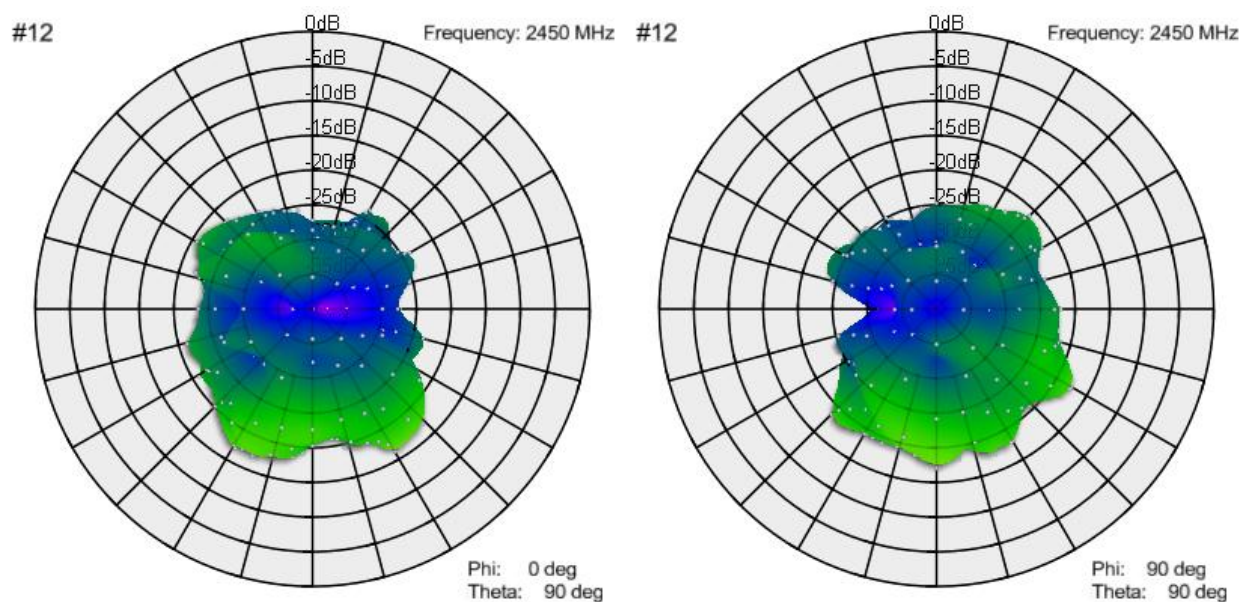


Figure 23 Antenna pattern at 2450 MHz, #12, Free Space

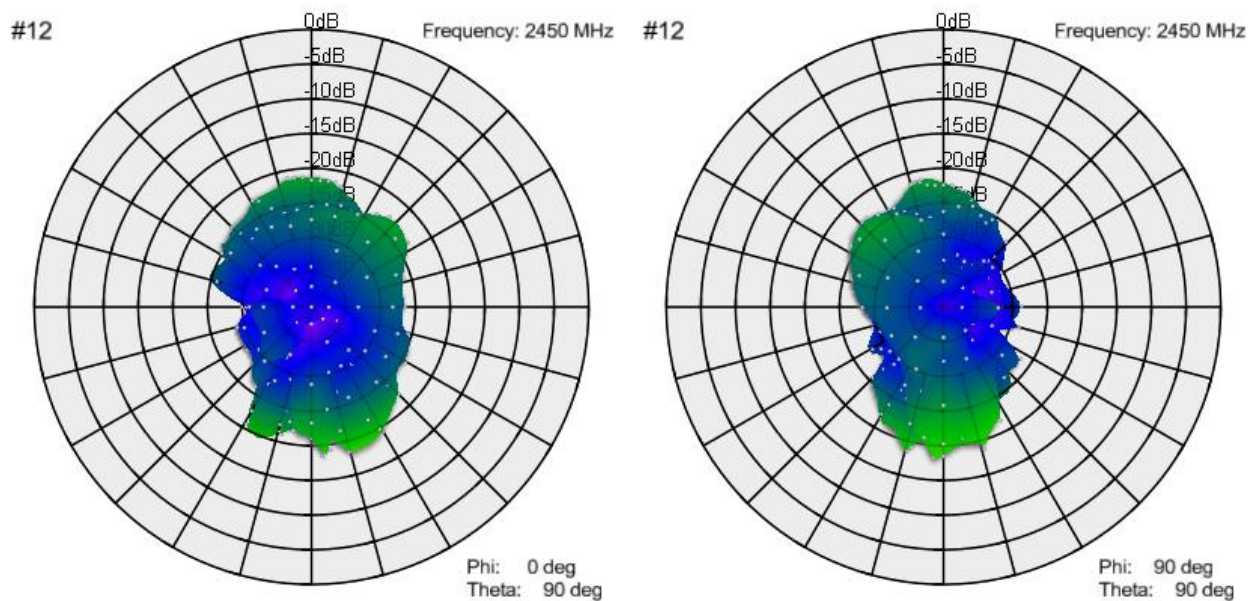


Figure 24 Antenna pattern at 2450 MHz, #12, Finger