

# **R2SP8T, R2SP9T**

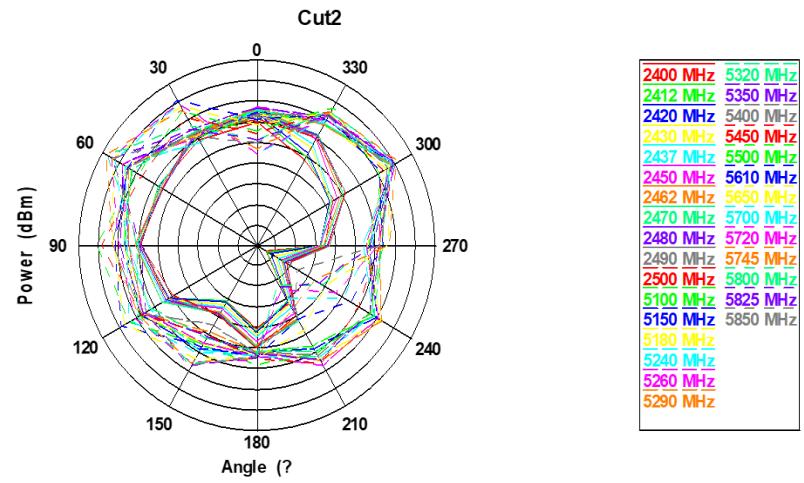
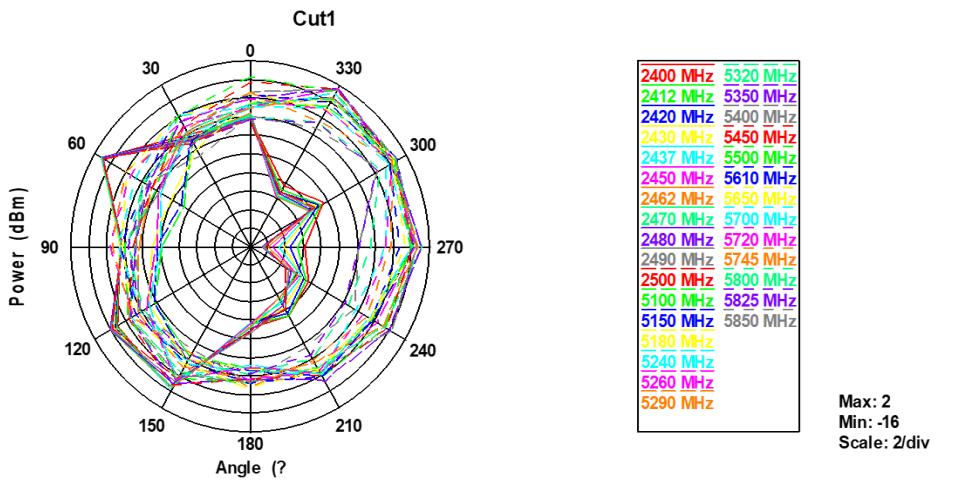
## **Antenna test Report**

Date: 2021-12-29

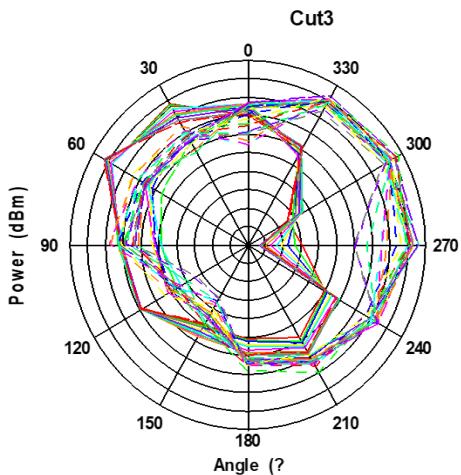
# Antenna Field Pattern

Ant 1 is IFA antenna

Max: 2  
Min: -18  
Scale: 2/div



Max: 2  
Min: -18  
Scale: 2/div

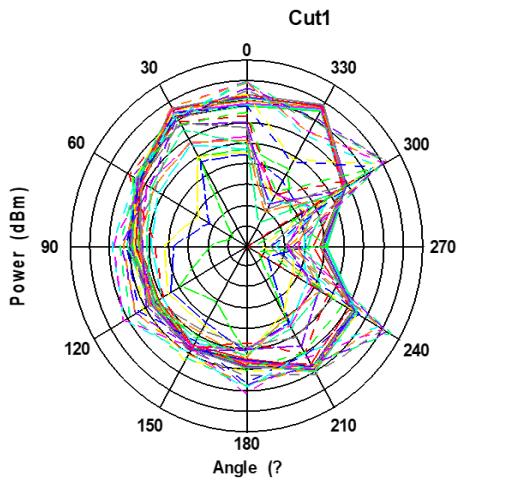


ANT 1

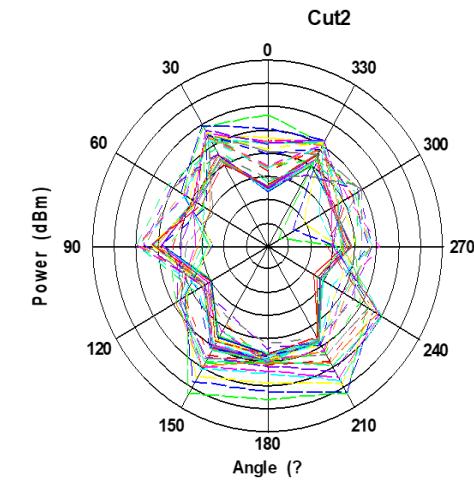
# Antenna Field Pattern

Ant 2 is Monopole antenna

Max: 2  
Min: -16  
Scale: 2/div

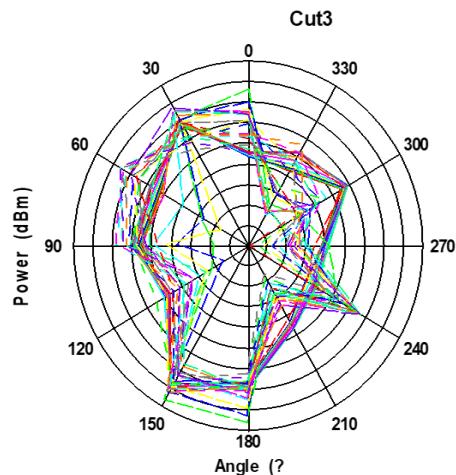


Max: 4  
Min: -12  
Scale: 2/div



2400 MHz 5320 MHz  
2412 MHz 5350 MHz  
2420 MHz 5400 MHz  
2430 MHz 5450 MHz  
2437 MHz 5500 MHz  
2450 MHz 5610 MHz  
2462 MHz 5650 MHz  
2470 MHz 5700 MHz  
2480 MHz 5720 MHz  
2490 MHz 5745 MHz  
2500 MHz 5800 MHz  
5100 MHz 5825 MHz  
5150 MHz 5850 MHz  
5180 MHz  
5240 MHz  
5260 MHz  
5290 MHz

Max: 2  
Min: -16  
Scale: 2/div



2400 MHz 5320 MHz  
2412 MHz 5350 MHz  
2420 MHz 5400 MHz  
2430 MHz 5450 MHz  
2437 MHz 5500 MHz  
2450 MHz 5610 MHz  
2462 MHz 5650 MHz  
2470 MHz 5700 MHz  
2480 MHz 5720 MHz  
2490 MHz 5745 MHz  
2500 MHz 5800 MHz  
5100 MHz 5825 MHz  
5150 MHz 5850 MHz  
5180 MHz  
5240 MHz  
5260 MHz  
5290 MHz

ANT 2

# Antenna gain

Frequency	Gain (dBi)	
	Ant-1	Ant-2
2400	-0.5	-0.2
2410	-0.5	-0.3
2420	-0.5	-0.4
2430	-0.6	-0.4
2440	-0.7	-0.4
2450	-0.5	-0.3
2460	-0.5	-0.2
2470	-0.5	-0.3
2480	-0.5	-0.3
2490	-0.8	-0.5
2500	-0.6	-0.4

Frequency	Gain (dBi)	
	Ant-1	Ant-2
5100	0.5	0.2
5150	0.6	0.6
5180	0.4	0.0
5240	0.5	0.3
5260	0.3	0.8
5290	0.4	0.3
5320	1	0.4
5350	0.6	0.9
5400	0.6	0.6
5450	0.5	0.6
5500	0.5	0.6
5610	0.5	0.3
5650	0.3	0.1
5700	0.8	0.6
5720	0.9	0.9
5745	0.9	0.9
5800	1.0	0.8
5825	0.4	0.2
5850	-0.1	-0.2

## Test procedure and test equipment

1. Implement passive fixture for passive test
2. Place the fixture in the chamber and fix it in the holder
3. Set up the frequency range, step and angle sweep step
4. Start test and collect test data

## Test equipment

1. Far field test chamber. Model: AMS8500
2. Network analyzer. Model: E5071C
3. Software: EMQuset EMQ-100 Pattern Measurement Software