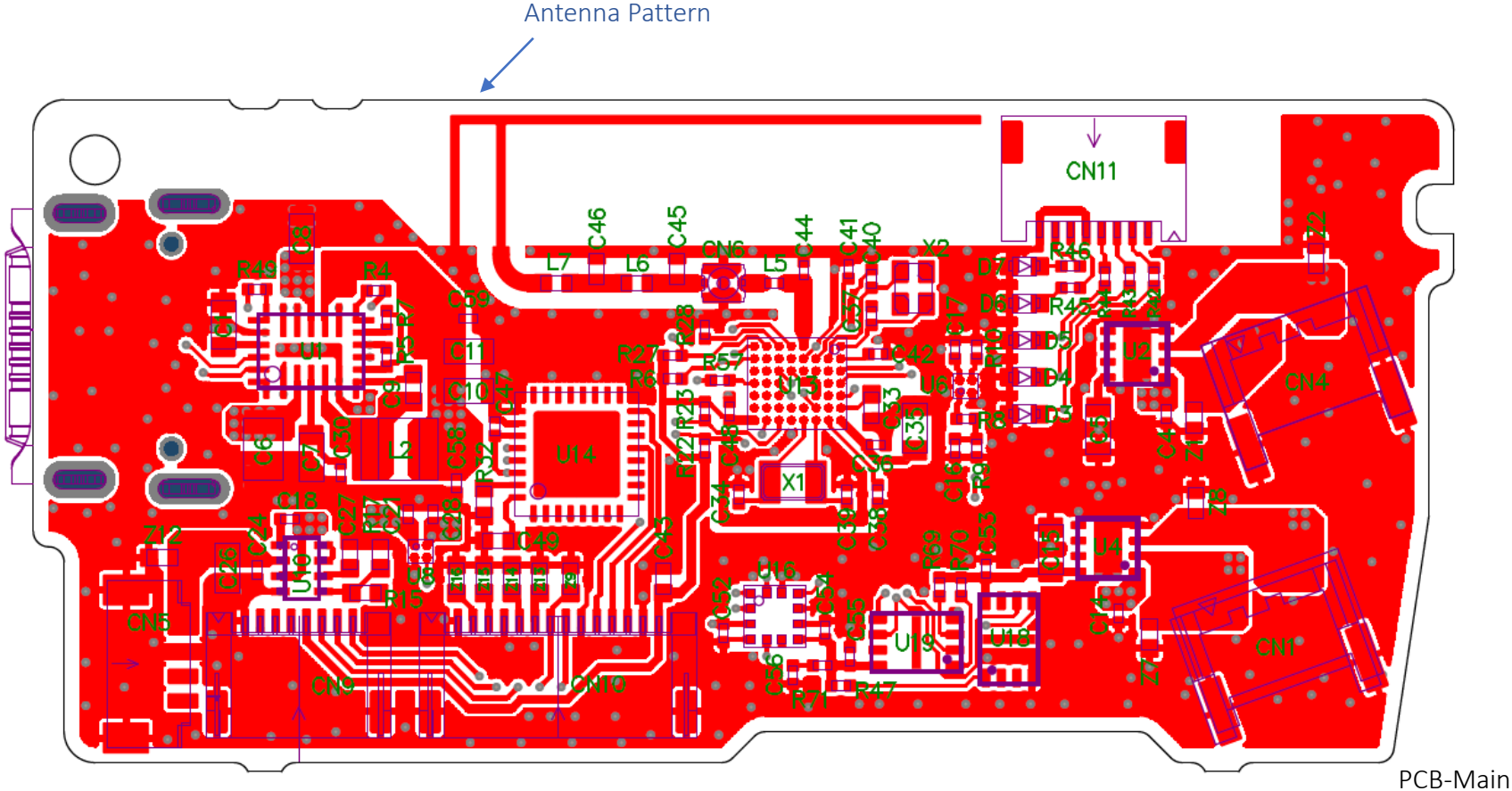
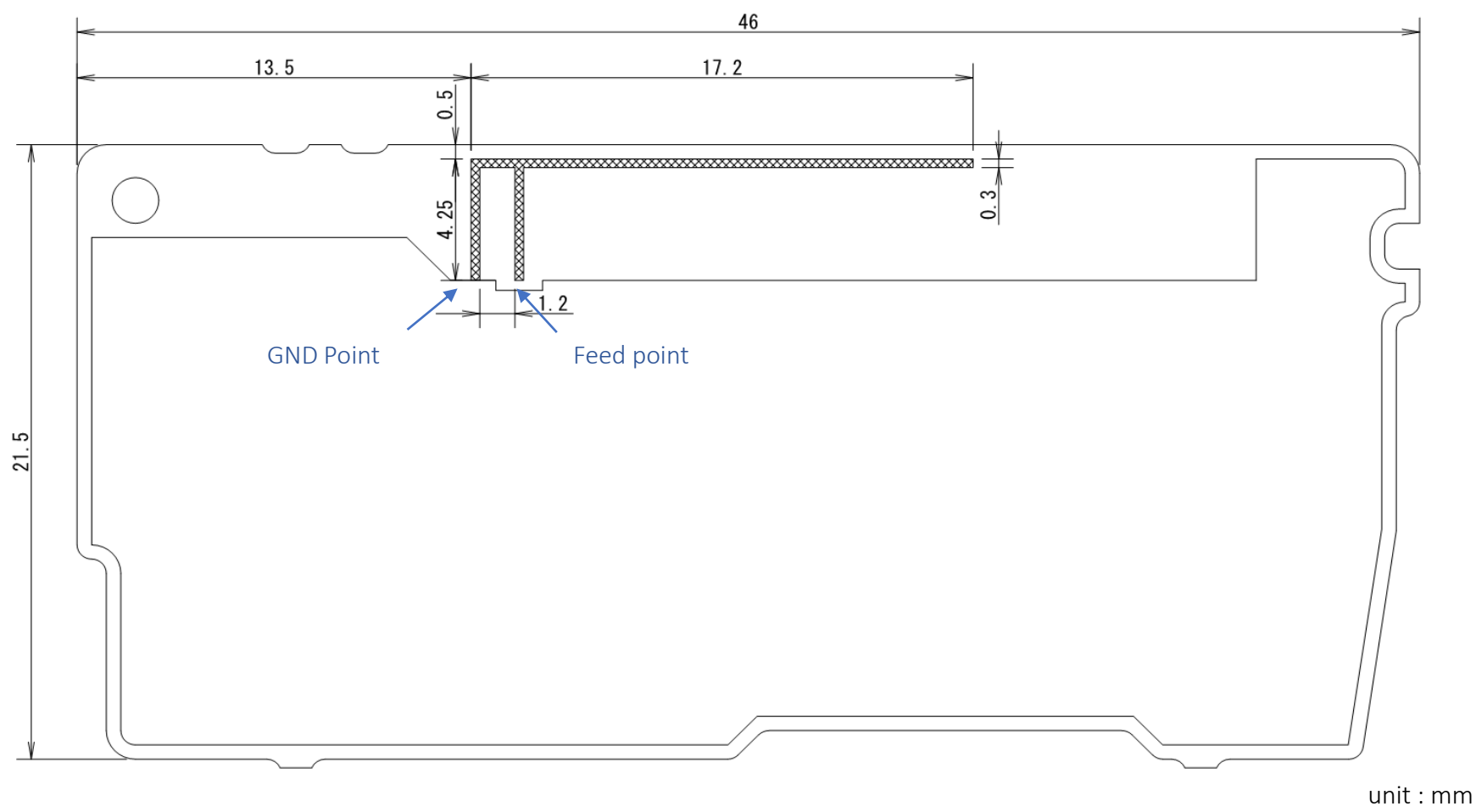


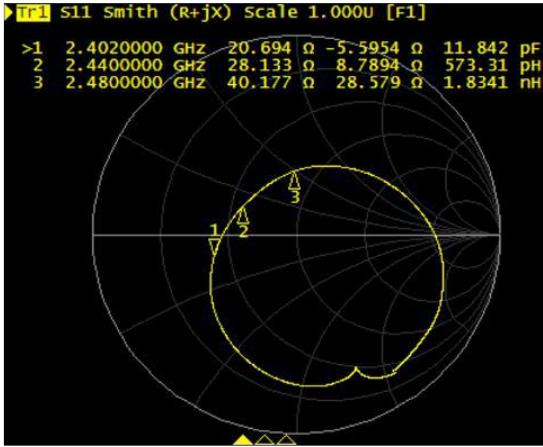
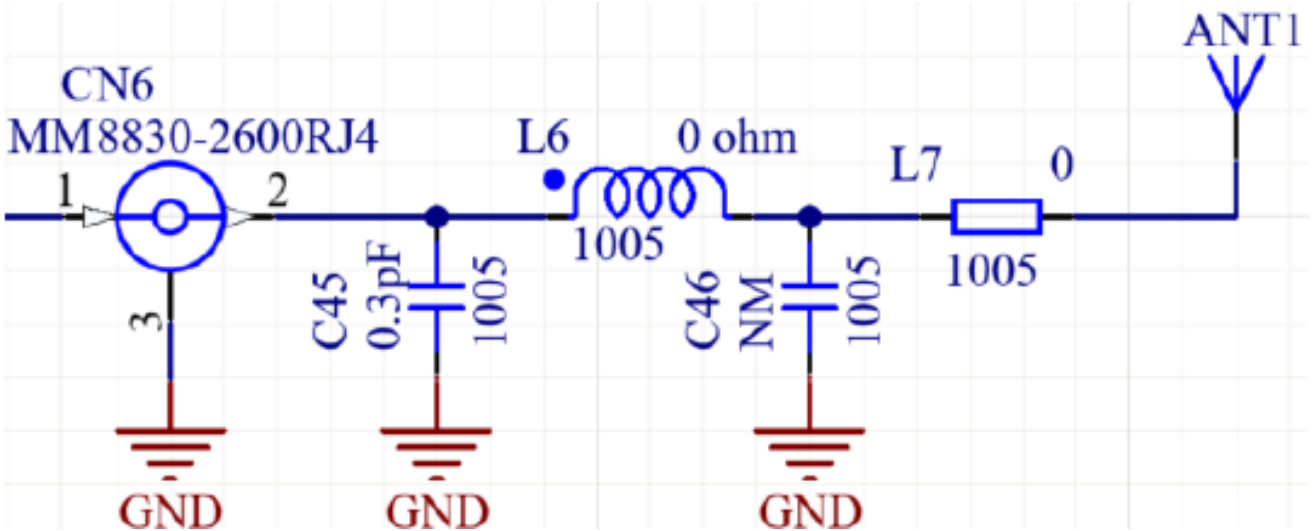
RNP-P1 PCB Print Pattern



RNP-P1 Antenna Size & Location



RNP-P1 Antenna Line



RNP-P1 Antenna Characteristics -1

Antenna type
Inverted F Pattern Antenna

Frequency
2402 MHz – 2480 MHz

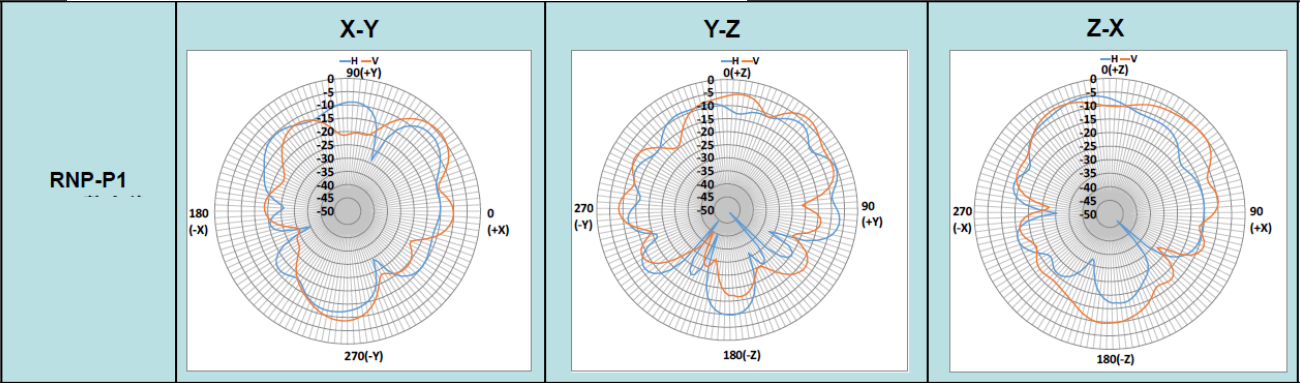
Peek Gain
-1.04 dBi

Characteristics Table

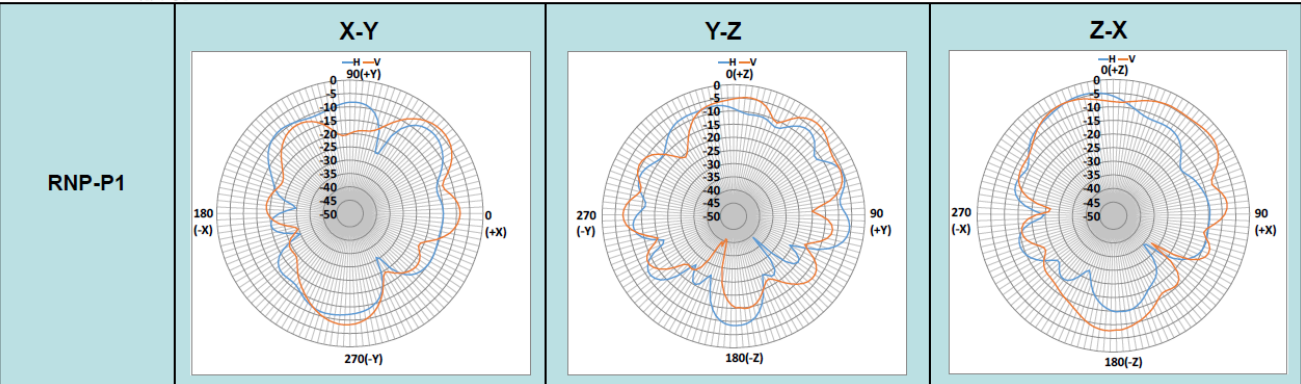
Reflection Characteristics			RNP-P1(DVT1) Matched		
Frequency [MHz]			2402	2440	2480
VSWR			2.65	2.00	2.10
Return Loss [dB]			-6.90	-9.56	-9.02
Antenna Gain	Plane	Pol.	RNP-P1(DVT1) Matched		
Frequency [MHz]			2402	2440	2480
Realized Gain [dBi] Average of Each Measurement Plane	XY	H	-13.38	-12.71	-12.68
		V	-12.53	-11.81	-12.04
	YZ	H	-11.19	-10.63	-10.66
		V	-10.48	-9.78	-9.50
	ZX	H	-13.07	-11.85	-12.36
		V	-10.43	-9.12	-10.49
Three-Plane Average Gain[dBi]			-8.67	-7.79	-8.12
Maximum Gain [dBi]			-1.52	-1.04	-1.07

RNP-P1 Antenna Characteristics -2

Radiation Pattern
2402 MHz



Radiation Pattern
2440 MHz



Radiation Pattern
2480 MHz

