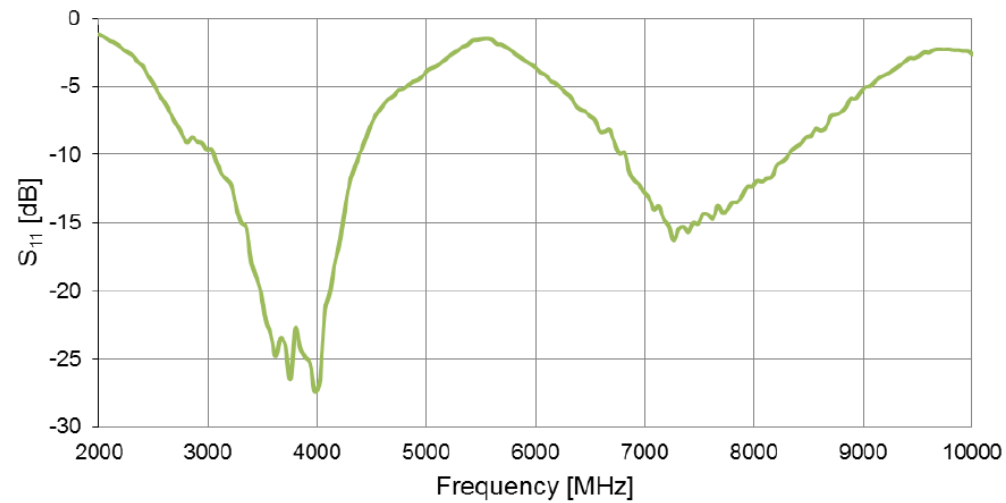


■ Specification

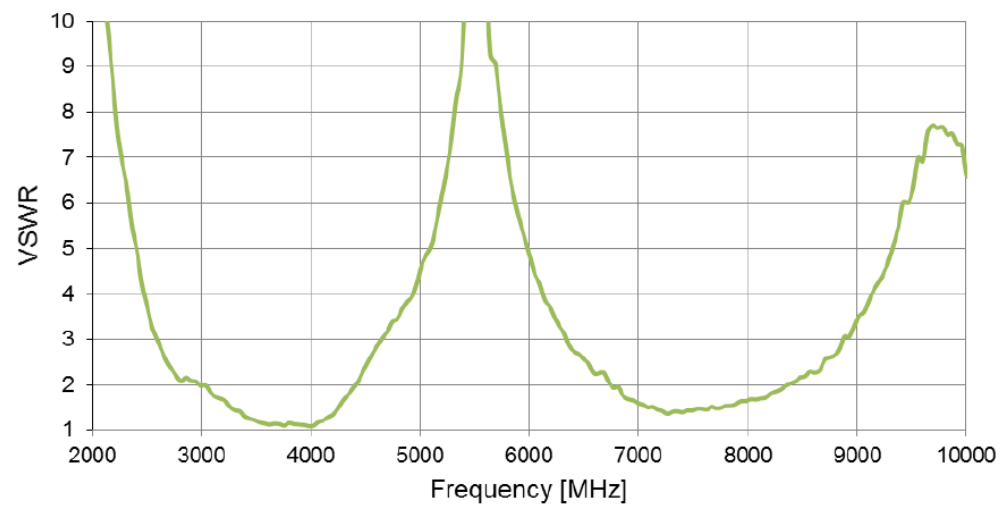
ELECTRICAL			
STANDARD	USA UWB channels 1-4	EU UWB/ USA UWB channels 5-8	USA UWB channels 9-10
Operation Frequency (GHz)	3.1–5.0	6.2–8.0	8.0–9.0
Return Loss (dB)	-10	-10	-6
Efficiency (%)	80	70	70
Peak Gain (dBi)	6	3.5	2.5
Max VSWR	2:1	2:1	3:1
Radiation Properties	Omnidirectional		
Polarization	Linear		
Impedance (Ohms)	50		
Max input Power (Watts)	10		
MECHANICAL			
Dimension	12*12*3mm		
Material	Ceramic		

■ Electrical Characteristics

Return Loss

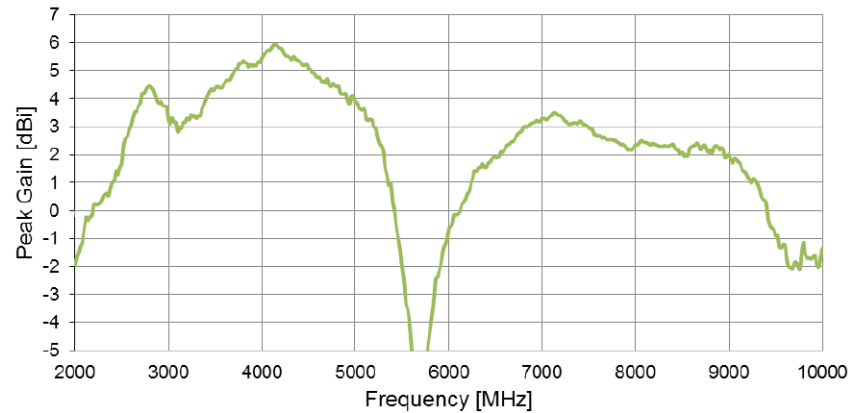


VSWR

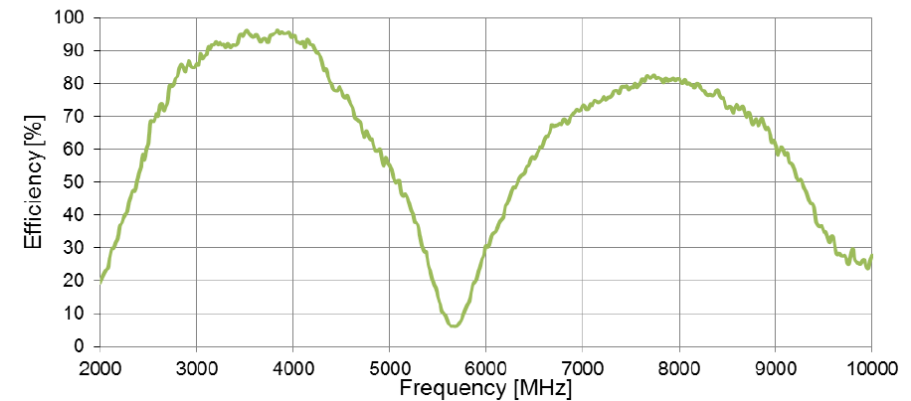


■ Radiation Patten, Gain and Efficiency

Peak Gain



Efficiency



FREQ (MHz)	PEAK GAIN (dBi)	Efficiency (%)	FREQ (MHz)	PEAK GAIN (dBi)	Efficiency (%)	FREQ (MHz)	PEAK GAIN (dBi)	Efficiency (%)
0	<-5.0	0	3500	4.3	95	7000	3.2	72
500	<-5.0	0	4000	5.5	95	7500	3.0	80
1000	-5.0	0	4500	5.0	79	8000	2.2	81
1500	-4.0	5	5000	4.0	57	8500	2.1	72
2000	-2.0	20	5500	-3.0	10	9000	1.8	60
2500	2.0	60	6000	-0.8	30	9500	-1.2	33
3000	3.5	85	6500	2.0	58	10000	-1.5	28