

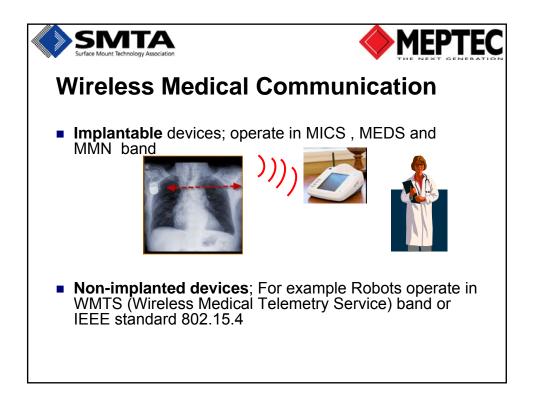
	SMTA req. Medica hort distan	Cal devices nce applications			
Т	уре	Frequency	Distance		
	luetooth , Wi-Fi and igbee	900MHz, 2.4GHz, 5.8GHz	60 meters		
	ledical Body Networks r PAN- Personal Area	2.4GHz	1 meter		
U	Iltra -Wideband	>500MHz	1 meter & >		
	IMN- Medical licropower Networks	413-457MHz	1 meter		
С	IICS - Medical Implant communications systems	401-406MHz	2-4 meters		
	nductive mplants	<200KHz	<<1meter		

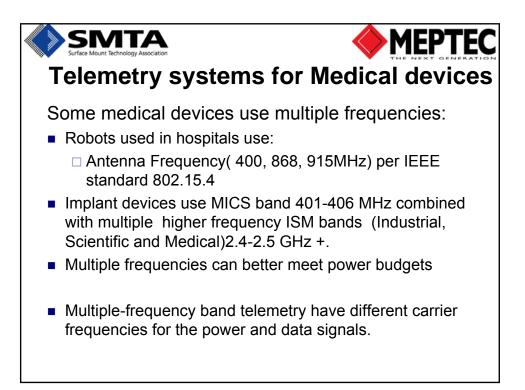


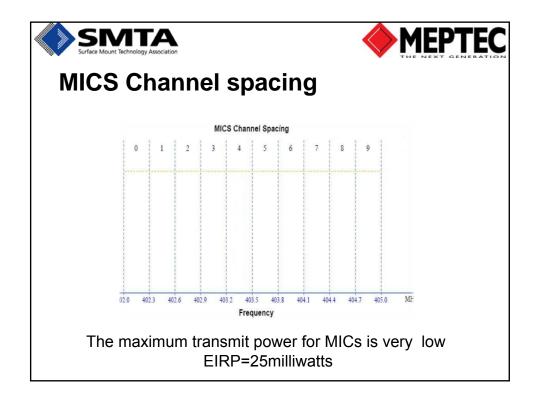


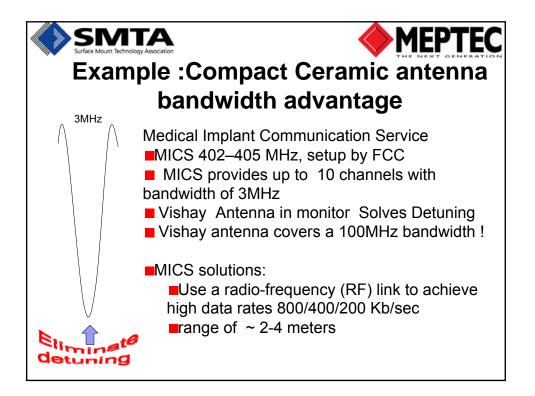
Freq. Medical devices Long distance applications

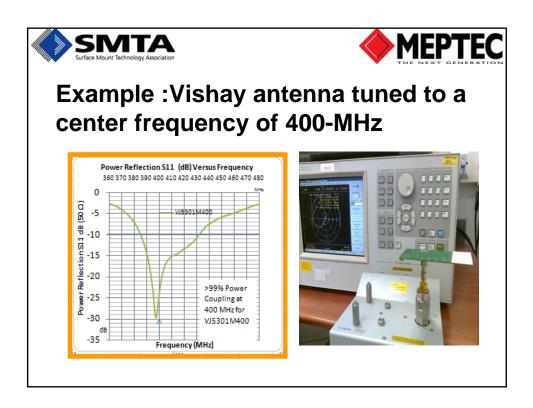
Туре	Frequency	Distance
WiMax	2.5GHz	>1000 meters
WMTS Wireless Medical Telemetry Systems	600MHz to 1.4GHz	60 meters

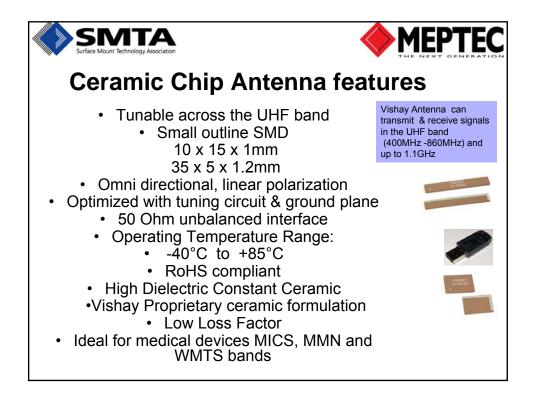


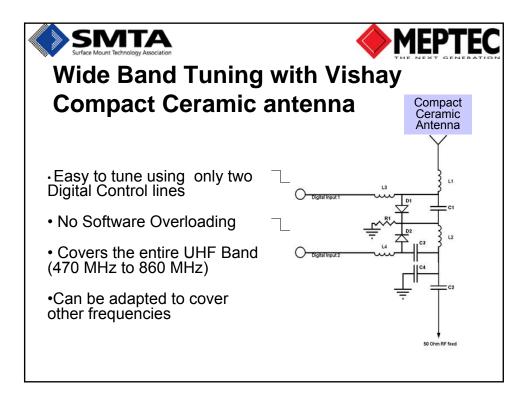


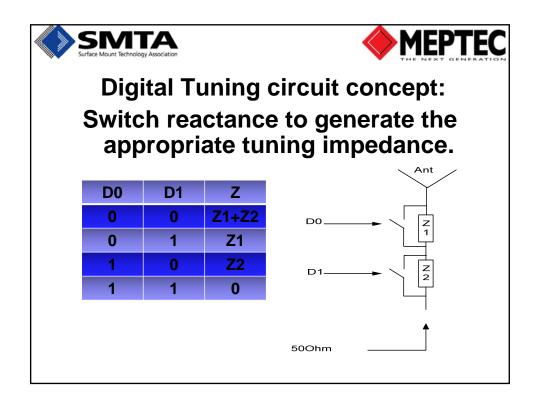


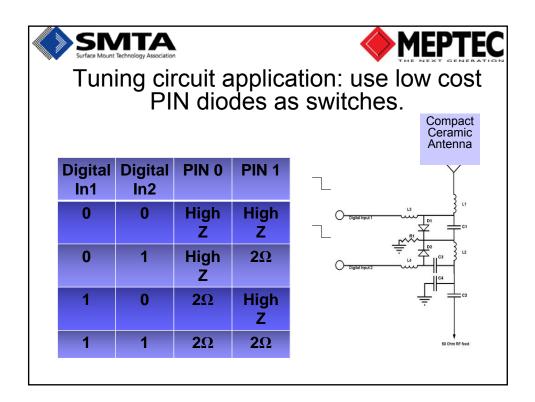


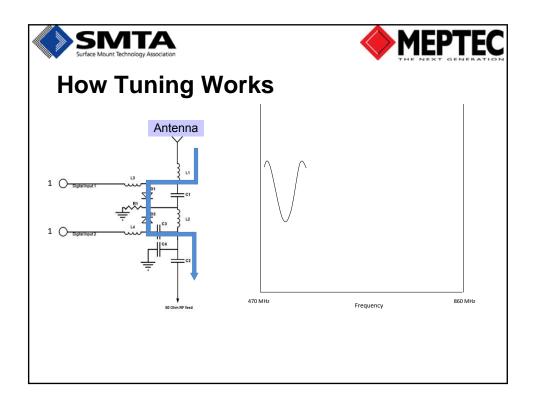


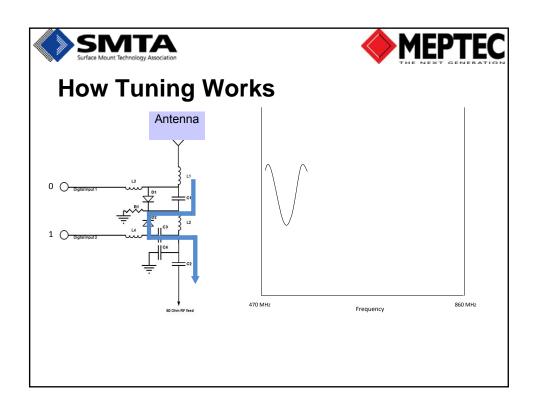


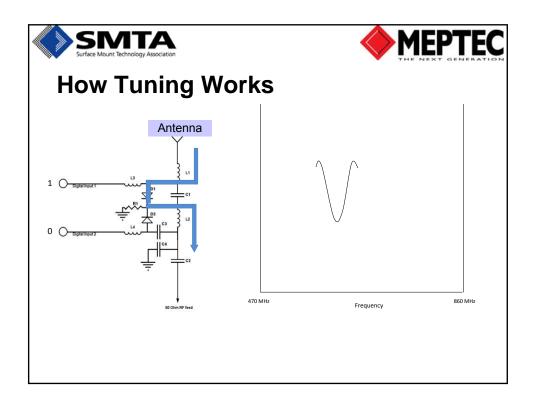


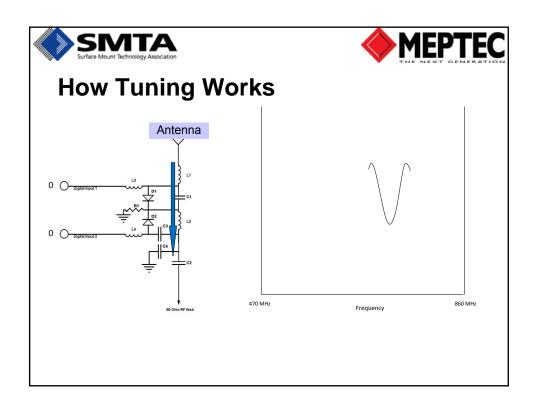


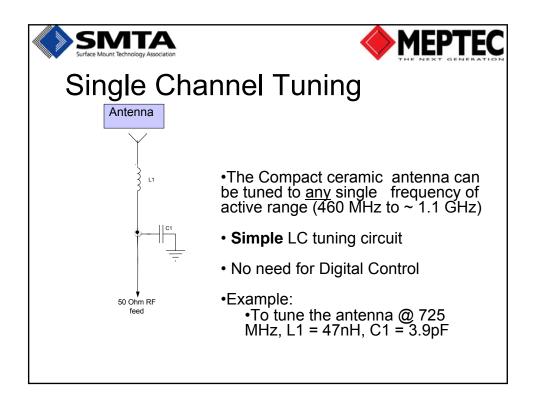


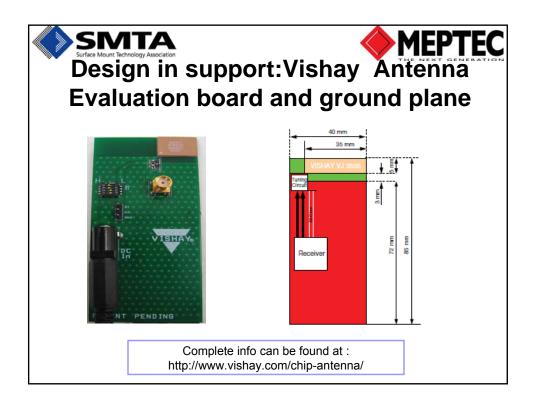
















Summary -Compact Antenna for Medical Wireless Applications

- Medical Devices with wireless capability will increase even more because of the Patient / Physician benefits
- Remote monitoring for wireless control of therapeutic medical devices is a reliable, robust method and can be implemented at multiple frequencies
- MICS and newly announced MMN frequency bands are safe, and effective for medical implantable devices
- Antenna efficiency should be considered especially where space is constrained for the ground plane.
- Vishay Compact Ceramic antenna offer significant advantages over conductive metal antennas