



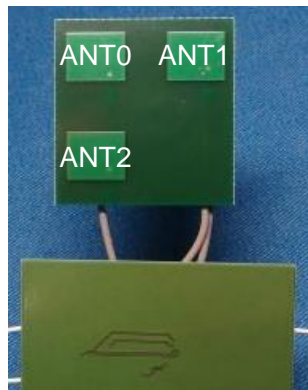
Antenna performance

UWB Antenna

- Antenna P/N : MTD-ANT-027-1-A_UWB_ANT18mm
- Type : Patch Antenna
- Antenna Gain : 5ch
ANT0=0.9dBi *Tx/Rx2
ANT1=1.5dBi *Rx1
ANT2=2.1dBi *Rx1
9ch
ANT0=2.7dBi *Tx/Rx2
ANT1=-0.3dBi *Rx1
ANT2=1.0dBi *Rx1
- Frequency(Center) : 5ch 6489.6MHz
9ch 7987.2MHz

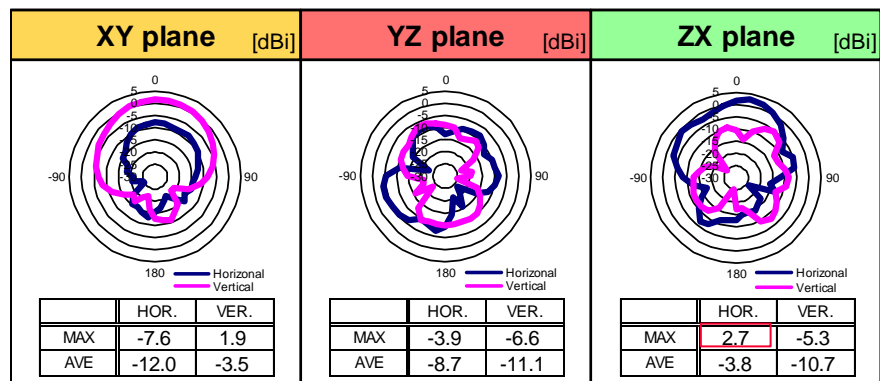
UWB Antenna : MTD-ANT-027-1-A_UWB_ANT18mm

<Appearance>

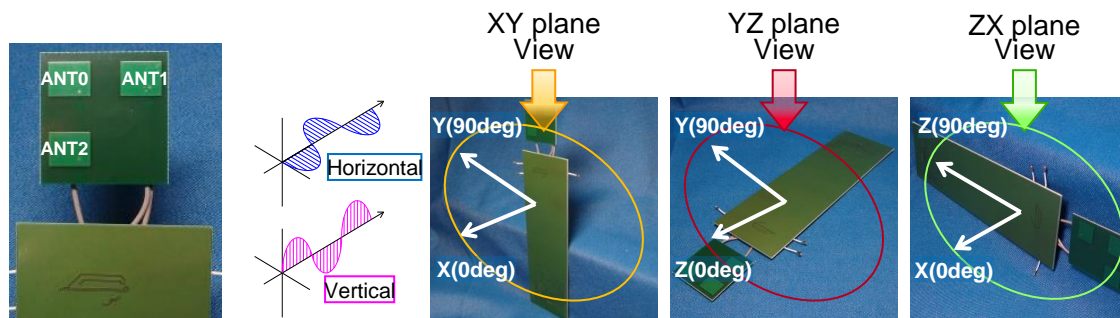


<Directivity>

@7987.2MHz



ANT0: Tx/Rx2

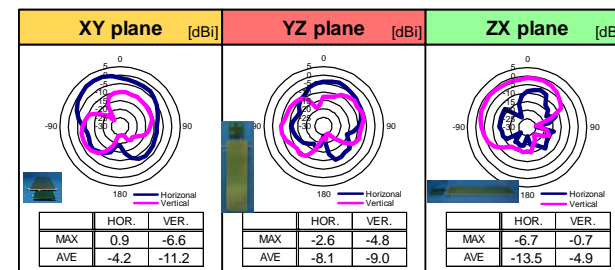


<Efficiency>

*Red color shows peak gain

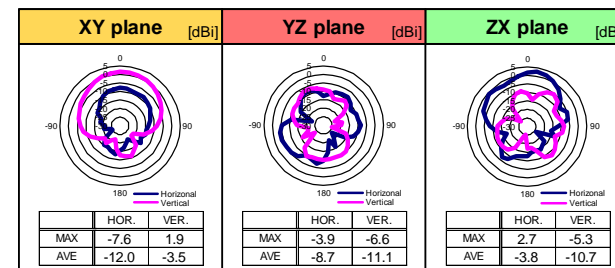
LINEAR POLARIZATION	MHz	XY-plane [dBi]		YZ-plane [dBi]		ZX-plane [dBi]		Total Efficiency [dB]
		hor.	ver.	hor.	ver.	hor.	ver.	
6239.6 MHz	MAX.	-2.8	-12.9	-7.4	-9.1	-13.4	-4.9	-8.1
	AVE.	-8.5	-16.6	-12.0	-13.6	-18.9	-8.9	
6489.6 MHz	MAX.	0.7	-7.6	-3.8	-5.4	-8.4	-1.3	-4.7
	AVE.	-4.9	-12.9	-9.2	-9.3	-14.9	-5.6	
6739.6 MHz	MAX.	0.3	-4.1	-2.7	-6.1	-3.1	0.2	-4.2
	AVE.	-4.9	-7.9	-7.8	-9.7	-8.8	-4.8	
6556.6 MHz	MAX.	0.9	-6.6	-2.6	-4.8	-6.7	-0.7	-4.1
	AVE.	-4.2	-11.2	-8.1	-9.0	-13.5	-4.9	

<Directivity>



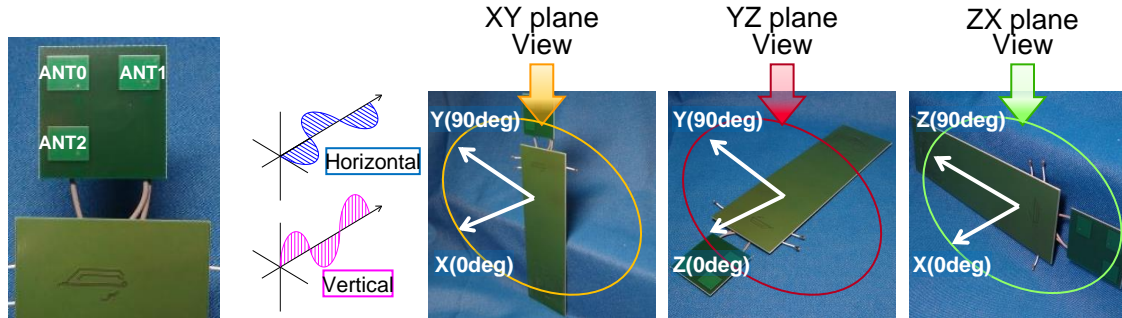
@6556.6MHz

LINEAR POLARIZATION	MHz	XY-plane [dBi]		YZ-plane [dBi]		ZX-plane [dBi]		Total Efficiency [dB]
		hor.	ver.	hor.	ver.	hor.	ver.	
7737.2 MHz	MAX.	-10.8	-3.5	-6.2	-7.4	-1.7	-7.6	-6.1
	AVE.	-17.5	-9.0	-12.1	-11.7	-6.8	-12.9	
7987.2 MHz	MAX.	-8.6	1.6	-5.0	-5.6	0.7	-3.5	-3.6
	AVE.	-13.5	-3.6	-9.2	-8.7	-4.1	-9.8	
8237.2 MHz	MAX.	-7.6	1.9	-3.9	-6.6	2.7	-5.3	-4.0
	AVE.	-12.0	-3.5	-8.7	-11.1	-3.8	-10.7	
8038.8 MHz	MAX.	-7.5	2.0	-4.2	-6.4	1.5	-3.4	-3.6
	AVE.	-12.8	-3.2	-8.9	-9.3	-3.8	-9.7	



@8237.2MHz

ANT1: Rx1

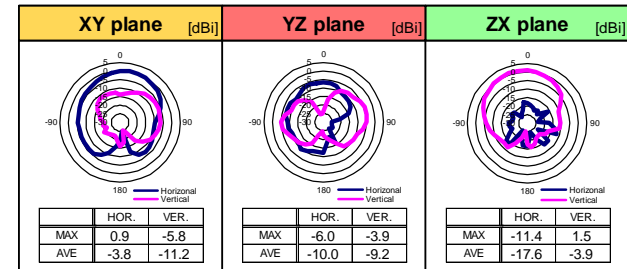


<Efficiency>

*Red color shows peak gain

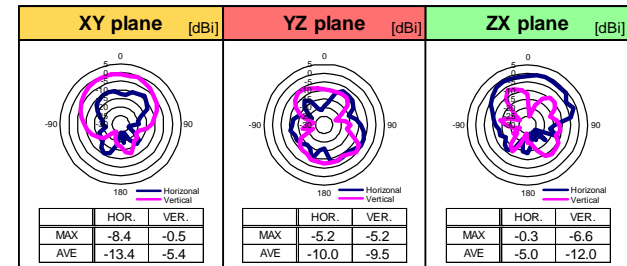
LINEAR POLARIZATION		XY-plane		YZ-plane		ZX-plane		Total Efficiency
		hor.	ver.	hor.	ver.	hor.	ver.	
6239.6 MHz	MAX.	-4.7	-15.3	-12.6	-9.7	-15.9	-5.5	-10.7
	AVE.	-10.1	-20.1	-16.4	-15.1	-21.3	-10.9	
6489.6 MHz	MAX.	-0.3	-7.5	-7.4	-4.3	-12.7	0.1	-5.5
	AVE.	-4.8	-13.5	-11.2	-9.9	-20.0	-5.4	
6739.6 MHz	MAX.	0.5	-5.5	-5.8	-6.3	-7.3	1.0	-5.0
	AVE.	-4.6	-9.1	-10.0	-10.3	-11.8	-4.1	
6577.8 MHz	MAX.	0.9	-5.8	-6.0	-3.9	-11.4	1.5	-4.7
	AVE.	-3.8	-11.2	-10.0	-9.2	-17.6	-3.9	

<Directivity>



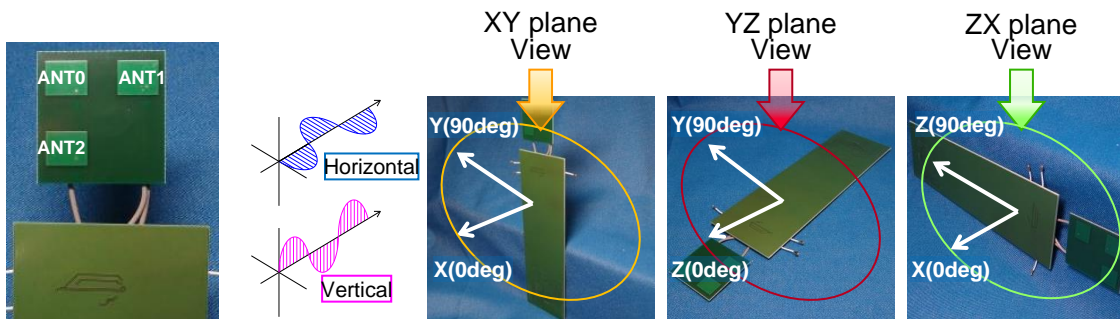
@6577.8MHz

LINEAR POLARIZATION		XY-plane		YZ-plane		ZX-plane		Total Efficiency
		hor.	ver.	hor.	ver.	hor.	ver.	
7737.2 MHz	MAX.	-14.1	-4.5	-7.9	-9.1	-2.9	-9.6	-7.2
	AVE.	-18.5	-9.1	-11.9	-14.1	-7.8	-14.6	
7987.2 MHz	MAX.	-8.4	-0.5	-5.2	-5.2	-0.3	-6.6	-4.7
	AVE.	-13.4	-5.4	-10.0	-9.5	-5.0	-12.0	
8237.2 MHz	MAX.	-7.1	-1.0	-6.7	-6.6	-1.1	-8.2	-5.9
	AVE.	-12.8	-6.8	-11.6	-10.9	-6.1	-12.6	
8006.9 MHz	MAX.	-8.2	-0.4	-5.4	-5.0	-0.3	-7.1	-4.8
	AVE.	-13.3	-5.4	-10.1	-9.5	-5.1	-12.1	



@7987.2MHz

ANT2: Rx1

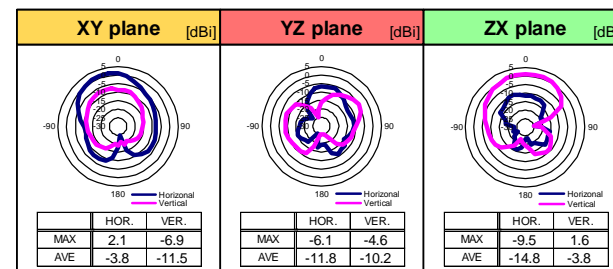


<Efficiency>

*Red color shows peak gain

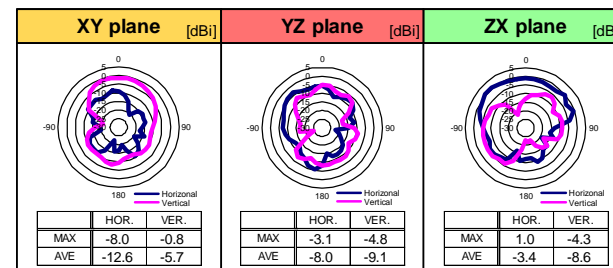
LINEAR POLARIZATION		XY-plane [dBi]		YZ-plane [dBi]		ZX-plane [dBi]		Total Efficiency [dB]
		hor.	ver.	hor.	ver.	hor.	ver.	
6239.6 MHz	MAX.	-2.0	-15.5	-7.9	-9.4	-12.7	-1.9	-8.5
	AVE.	-7.7	-19.3	-14.4	-14.2	-19.3	-7.4	
6489.6 MHz	MAX.	1.2	-7.8	-6.1	-4.4	-12.4	1.5	-5.2
	AVE.	-4.4	-12.5	-12.2	-10.2	-17.3	-3.8	
6739.6 MHz	MAX.	2.1	-4.7	-8.3	-6.6	-3.0	1.7	-5.0
	AVE.	-3.9	-8.9	-11.8	-10.4	-8.9	-4.2	
6535.3 MHz	MAX.	2.1	-6.9	-6.1	-4.6	-9.5	1.6	-5.1
	AVE.	-3.8	-11.5	-11.8	-10.2	-14.8	-3.8	

<Directivity>



@6535.3MHz

LINEAR POLARIZATION		XY-plane [dBi]		YZ-plane [dBi]		ZX-plane [dBi]		Total Efficiency [dB]
		hor.	ver.	hor.	ver.	hor.	ver.	
7737.2 MHz	MAX.	-12.9	-5.1	-5.6	-6.4	-1.9	-9.9	-6.6
	AVE.	-17.5	-10.3	-12.4	-12.0	-7.4	-16.8	
7987.2 MHz	MAX.	-9.2	-1.7	-3.9	-4.3	0.5	-5.7	-2.9
	AVE.	-13.6	-6.8	-8.5	-8.9	-3.7	-9.4	
8237.2 MHz	MAX.	-7.6	-1.1	-3.9	-5.6	0.0	-3.1	-3.4
	AVE.	-12.4	-6.3	-8.5	-10.5	-4.7	-8.0	
8070.6 MHz	MAX.	-8.0	-0.8	-3.1	-4.8	1.0	-4.3	-2.7
	AVE.	-12.6	-5.7	-8.0	-9.1	-3.4	-8.6	



@8070.6MHz