

BEAMFORMING WEIGHTS FOR COMMSCOPE RRZT4-65A-R5 ANTENNA

Date: 5th August 2019

RRZT4-65A-R5 : PORTS 9 - 16			ANTENNA RF PORT DESIGNATION							
FREQUENCY BAND = 2300-2690MHz			Port 9	Port 10	Port 11	Port 12	Port 13	Port 14	Port 15	Port 16
P0	Full Power Broadcast 65° for tilt 2°-7° 2300-2500MHz	Amp (Voltage)	1	1	1	1	0	0	0	0
		PHz	45	0	11	54	0	0	0	0
P0	Full Power Broadcast 65° for tilt 8°-12° 2300-2500MHz	Amp (Voltage)	1	1	1	1	0	0	0	0
		PHz	45	0	24	68	0	0	0	0
P0	Full Power Broadcast 65° for tilt 2°-7° 2500-2690MHz	Amp (Voltage)	1	1	1	1	0	0	0	0
		PHz	52	0	9	63	0	0	0	0
P0	Full Power Broadcast 65° for tilt 8°-12° 2500-2690MHz	Amp (Voltage)	1	1	1	1	0	0	0	0
		PHz	56	0	24	83	0	0	0	0
P1	Full Power Broadcast 65° for tilt 2°-7° 2300-2500MHz	Amp (Voltage)	0	0	0	0	1	1	1	1
		PHz	0	0	0	0	0	-134	55	-170
P1	Full Power Broadcast 65° for tilt 8°-12° 2300-2500MHz	Amp (Voltage)	0	0	0	0	1	1	1	1
		PHz	0	0	0	0	0	-136	72	-157
P1	Full Power Broadcast 65° for tilt 2°-7° 2500-2690MHz	Amp (Voltage)	0	0	0	0	1	1	1	1
		PHz	0	0	0	0	0	-134	49	-180
P1	Full Power Broadcast 65° for tilt 8°-12° 2500-2690MHz	Amp (Voltage)	0	0	0	0	1	1	1	1
		PHz	0	0	0	0	0	-131	67	-164
+45	Service Beam 0° for tilt 2°-12°	Amp (Voltage)	1	0	1	0	1	0	1	0
		PHz	85	0	104	0	82	0	100	0
-45	Service Beam 0° for tilt 2°-12°	Amp (Voltage)	0	1	0	1	0	1	0	1
		PHz	0	85	0	104	0	82	0	100
+45	Service Beam +30° for tilt 2°-7°	Amp (Voltage)	1	0	1	0	1	0	1	0
		PHz	0	0	91	0	165	0	-70	0
-45	Service Beam +30° for tilt 2°-7°	Amp (Voltage)	0	1	0	1	0	1	0	1
		PHz	0	0	0	91	0	165	0	-70
+45	Service Beam +30° for tilt 8°-12°	Amp (Voltage)	1	0	1	0	1	0	1	0
		PHz	104	0	-139	0	-92	0	22	0
-45	Service Beam +30° for tilt 8°-12°	Amp (Voltage)	0	1	0	1	0	1	0	1
		PHz	0	104	0	-139	0	-92	0	22
+45	Service Beam -30° for tilt 2°-7°	Amp (Voltage)	1	0	1	0	1	0	1	0
		PHz	0	0	-98	0	176	0	70	0
-45	Service Beam -30° for tilt 2°-7°	Amp (Voltage)	0	1	0	1	0	1	0	1
		PHz	0	0	0	-98	0	176	0	70
+45	Service Beam -30° for tilt 8°-12°	Amp (Voltage)	1	0	1	0	1	0	1	0
		PHz	40	0	-34	0	-133	0	158	0
-45	Service Beam -30° for tilt 8°-12°	Amp (Voltage)	0	1	0	1	0	1	0	1
		PHz	0	40	0	-34	0	-133	0	158
+45	Soft Split +24° for tilt 2°-5°	Amp (Voltage)	0.53	0	1	0	1	0	0.53	0
		PHz	-120	0	-31	0	28	0	97	0
-45	Soft Split +24° for tilt 2°-5°	Amp (Voltage)	0	0.53	0	1	0	1	0	0.53
		PHz	0	-120	0	-31	0	28	0	97
+45	Soft Split +24° for tilt 6°-8°	Amp (Voltage)	0.53	0	1	0	1	0	0.53	0
		PHz	142	0	-119	0	-66	0	7	0
-45	Soft Split +24° for tilt 6°-8°	Amp (Voltage)	0	0.53	0	1	0	1	0	0.53
		PHz	0	142	0	-119	0	-66	0	7
+45	Soft Split +24° for tilt 9°-12°	Amp (Voltage)	0.53	0	1	0	1	0	0.53	0
		PHz	132	0	-114	0	-73	0	16	0
-45	Soft Split +24° for tilt 9°-12°	Amp (Voltage)	0	0.53	0	1	0	1	0	0.53
		PHz	0	132	0	-114	0	-73	0	16
+45	Soft Split -24° for tilt 2°-5°	Amp (Voltage)	0.53	0	1	0	1	0	0.53	0
		PHz	-169	0	113	0	37	0	-29	0
-45	Soft Split -24° for tilt 2°-5°	Amp (Voltage)	0	0.53	0	1	0	1	0	0.53
		PHz	0	-169	0	113	0	37	0	-29
+45	Soft Split -24° for tilt 6°-8°	Amp (Voltage)	0.53	0	1	0	1	0	0.53	0
		PHz	-21	0	-81	0	-171	0	131	0
-45	Soft Split -24° for tilt 6°-8°	Amp (Voltage)	0	0.53	0	1	0	1	0	0.53
		PHz	0	-21	0	-81	0	-171	0	131
+45	Soft Split -24° for tilt 9°-12°	Amp (Voltage)	0.53	0	1	0	1	0	0.53	0
		PHz	-37	0	-86	0	172	0	124	0
-45	Soft Split -24° for tilt 9°-12°	Amp (Voltage)	0	0.53	0	1	0	1	0	0.53
		PHz	0	-37	0	-86	0	172	0	124