COMMSCOPE®

BEAMFORMING WEIGHTS FOR COMMSCOPE S4-90M-R1-V2 ANTENNA

Date: 3rd Sept 2019

S4-90M-R1-V2 : PORTS 1 - 8			ANTENNA RF PORT DESIGNATION							
FREQUENCY BAND = 3300-3800 MHz			Port 1	Port 2	Port 3	Port 4	Port 5	Port 6	Port 7	Port 8
P0	Broadcast Beam 65 deg for tilt 2°-7°	Amp (Voltage)	1	1	1	1				
		PHz	0	60	73	13				
P1	Broadcast Beam 65 deg for tilt 2°-7°	Amp (Voltage)					1	1	1	1
		PHz					-180	60	-107	13
P0	Broadcast Beam 65 deg for tilt 8°-12°	Amp (Voltage)	1	1	1	1				
		PHz	0	60	90	30				
P1	Broadcast Beam 65 deg for tilt 8°-12°	Amp (Voltage)					1	1	1	1
		PHz					-180	60	-90	30
+45	Service Beam 0 deg for tilt 2°-7°	Amp (Voltage)	1		1		1		1	
		PHz	0		13		0		13	
-45	Service Beam 0 deg for tilt 2°-7°	Amp (Voltage)		1		1		1		1
		PHz		0		13		0		13
+45	Service Beam 0 deg for tilt 8°-12°	Amp (Voltage)	1		1		1		1	
		PHz	0		30		0		30	
-45	Service Beam 0 deg for tilt 8°-12°	Amp (Voltage)		1		1		1		1
		PHz		0		30		0		30
+45	Service Beam 30 deg for tilt 2°-7°	Amp (Voltage)	1		1		1		1	
		PHz	50		173		-105		13	
-45	Service Beam 30 deg for tilt 2°-7°	Amp (Voltage)		1		1		1		1
		PHz		5-		173		-105		13
+45	Service Beam 30 deg for tilt 8°-12°	Amp (Voltage)	1		1		1		1	
		PHz	50		-170		-105		30	
-45	Service Beam 30 deg for tilt 8°-12°	Amp (Voltage)		1		1		1		1
		PHz		50		-170		-105		30
+45	Service Beam -30 deg for tilt 2°-7°	Amp (Voltage)	1		1		1		1	
		PHz	0		-92		160		63	
-45	Service Beam -30 deg for tilt 2°-7°	Amp (Voltage)		1		1		1		1
		PHz		0		-92		160		63
+45	Service Beam -30 deg for tilt 8°-12°	Amp (Voltage)	1		1		1		1	
		PHz	0		-75		130		80	
-45	Service Beam -30 deg for tilt 8°-12°	Amp (Voltage)		1		1		1		1
		PHz		0		-75		130		80
+45	Soft Split 24 deg for tilt 2°-7°	Amp (Voltage)	0.53		1		1		0.53	
		PHz	101		-165		-94		13	
-45	Soft Split 24 deg for tilt 2°-7°	Amp (Voltage)		0.53		1		1		0.53
		PHz		101		-165		-94		13
+45	Soft Split 24 deg for tilt 8°-12°	Amp (Voltage)	0.53		1		1		0.53	
		PHz	101		-148		-94		30	
-45	Soft Split 24 deg for tilt 8°-12°	Amp (Voltage)		0.53		1		1		0.53
		PHz		101		-148		-94		30
+45	Soft Split -24 deg for tilt 2°-7°	Amp (Voltage)	0.53		1		1		0.53	
		PHz	0		-81		-178		114	
-45	Soft Split -24 deg for tilt 2°-7°	Amp (Voltage)		0.53		1		1		0.53
		PHz		0		-81		-178		114
+45	Soft Split -24 deg for tilt 8°-12°	Amp (Voltage)	0.53		1		1		0.53	
		PHz	0		-64		-178		131	
-45	Soft Split -24 deg for tilt 8°-12°	Amp (Voltage)		0.53		1		1	0	0.53
		PHz		0		-64		-178	0	131