

9500 MPR													
MPT-HLC Path Engineering specifications for Fixed/Adaptive Modulation 5.8, 6, 7, 8, 10.5, 11 GHz													
General			Transmit Output Power		Receiver Threshold	System Gain		Radio Capacity	Receiver Overload	DFM	T/I		XPIC Improvement Factor
			Standard Power	High Power**		Standard Power	High Power**						
RF Band	BW MHz	QAM (n)	Typical (dBm)	Typical (dBm)	Typical (dBm)	Typical (dBm)	Typical (dBm)	Mbps	10-6 BER (dBm)	10-6 BER (dB)	Co-Chan (dB)	Adj-Chan (dB)	Typical (dB)
5.8 GHz	5	4	30.0		-96.5	126.5		6.3	-22	>60	15	-18	5.0
5.8 GHz	5	16	30.0		-89.5	119.5		14.3	-22	>60	21	-17	12.0
5.8 GHz	5	32	30.0		-86.0	116.0		18.0	-22	>60	25	-16	15.0
5.8 GHz	5	64	30.0		-83.5	113.5		22.0	-22	>60	27	-13	17.0
5.8 GHz	5	128	30.0		-81.0	111.0		25.4	-22	>60	30	-10	19.5
5.8 GHz	5	256	30.0		-78.0	108.0		28.8	-22	>60	32	-7	21.5
5.8 GHz	5	512	30.0		-75.0	105.0		31.9	-22	>60	35	-4	23.5
5.8 GHz	5	1024	30.0		-71.5	101.5		34.5	-22	TBD	TBD	TBD	26.0
5.8 GHz	10	4	30.0		-93.0	123.0		14.7	-22	>60	15	-18	10.5
5.8 GHz	10	16	30.0		-87.5	117.5		29.5	-22	>60	21	-17	17.0
5.8 GHz	10	32	30.0		-84.0	114.0		36.8	-22	>60	25	-16	19.5
5.8 GHz	10	64	30.0		-81.5	111.5		44.9	-22	>60	27	-13	21.0
5.8 GHz	10	128	30.0		-79.0	109.0		52.0	-22	>60	30	-10	20.5
5.8 GHz	10	256	30.0		-75.5	105.5		59.7	-22	>60	32	-7	23.0
5.8 GHz	10	512	30.0		-73.0	103.0		66.5	-22	59	35	-4	24.5
5.8 GHz	10	1024	30.0		-69.5	99.5		72.3	-22	57	39	-1	26.0
5.8 GHz	30	4	30.0		-89.0	119.0		43.4	-22	>60	15	-20	10.5
5.8 GHz	30	16	30.0		-83.0	113.0		90.2	-22	>60	21	-20	15.0
5.8 GHz	30	32	30.0		-79.5	109.5		113.3	-22	>60	25	-18	17.5
5.8 GHz	30	64	30.0		-77.5	107.5		136.4	-22	58	27	-16	19.0
5.8 GHz	30	128	30.0		-74.5	104.5		161.0	-22	55	30	-15	21.0
5.8 GHz	30	256	30.0		-71.5	101.5		183.1	-22	53	32	-13	22.5
5.8 GHz	30	512	30.0		-68.5	98.5		205.5	-22	52	35	-10	24.0
5.8 GHz	30	1024	30.0		-65.0	95.0		227.0	-22	49	39	-7	26.0
L6 GHz	5	4	32.5	35.0	-96.5	129.0	131.5	6.3	-22	>60	15	-18	5.0
L6 GHz	5	16	32.5	35.0	-89.5	122.0	124.5	14.3	-22	>60	21	-17	12.0
L6 GHz	5	32	32.5	35.0	-86.0	118.5	121.0	18.0	-22	>60	25	-16	15.0
L6 GHz	5	64	32.5	35.0	-83.5	116.0	118.5	22.0	-22	>60	27	-13	17.0
L6 GHz	5	128	32.5	35.0	-81.0	113.5	116.0	25.4	-22	>60	30	-10	19.5

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			Standard Power	High Power**		Standard Power	High Power**						
RF Band	BW MHz	QAM (n)	Typical (dBm)	Typical (dBm)	Typical (dBm)	Typical (dBm)	Typical (dBm)	Mbps	10-6 BER (dBm)	10-6 BER (dB)	Co-Chan (dB)	Adj-Chan (dB)	Typical (dB)
L6 GHz	5	256	32.5	34.0	-78.0	110.5	112.0	28.8	-22	>60	32	-7	21.5
L6 GHz	5	512	31.5	34.0	-75.0	106.5	109.0	31.9	-22	>60	35	-4	23.5
L6 GHz	5	1024	31.5	33.0	-71.5	103.0	104.5	34.5	-22	TBD	TBD	TBD	26.0
L6 GHz	10	4	32.5	35.0	-93.0	125.5	128.0	14.7	-22	>60	15	-18	10.5
L6 GHz	10	16	32.5	35.0	-87.5	120.0	122.5	29.5	-22	>60	21	-17	17.0
L6 GHz	10	32	32.5	35.0	-84.0	116.5	119.0	36.8	-22	>60	25	-16	19.5
L6 GHz	10	64	32.5	35.0	-81.5	114.0	116.5	44.9	-22	>60	27	-13	21.0
L6 GHz	10	128	32.5	35.0	-79.0	111.5	114.0	52.0	-22	>60	30	-10	20.5
L6 GHz	10	256	32.5	34.0	-75.5	108.0	109.5	59.7	-22	>60	32	-7	23.0
L6 GHz	10	512	31.5	34.0	-73.0	104.5	107.0	66.5	-22	59	35	-4	24.5
L6 GHz	10	1024	31.5	33.0	-69.5	101.0	102.5	72.3	-22	57	39	-1	26.0
L6 GHz	30	4	32.5	35.0	-89.0	121.5	124.0	43.4	-22	>60	15	-20	10.5
L6 GHz	30	16	32.5	35.0	-83.0	115.5	118.0	90.2	-22	>60	21	-20	15.0
L6 GHz	30	32	32.5	35.0	-79.5	112.0	114.5	113.3	-22	>60	25	-18	17.5
L6 GHz	30	64	32.5	35.0	-77.5	110.0	112.5	136.4	-22	58	27	-16	19.0
L6 GHz	30	128	32.5	35.0	-74.5	107.0	109.5	161.0	-22	55	30	-15	21.0
L6 GHz	30	256	32.5	34.0	-71.5	104.0	105.5	183.1	-22	53	32	-13	22.5
L6 GHz	30	512	31.5	34.0	-68.5	100.0	102.5	205.5	-22	52	35	-10	24.0
L6 GHz	30	1024	31.5	33.0	-65.0	96.5	98.0	227.0	-22	49	39	-7	26.0
L6 GHz	60	4	32.5	35.0	-87.0	119.5	122.0	80.3	-22	>60	14	-25	10.5
L6 GHz	60	16	32.5	35.0	-81.0	113.5	116.0	159.9	-22	58	20	-25	15.5
L6 GHz	60	32	32.5	35.0	-77.5	110.0	112.5	198.8	-22	54	24	-23	18.0

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			Standard Power	High Power**		Standard Power	High Power**						
RF Band	BW MHz	QAM (n)	Typical (dBm)	Typical (dBm)	Typical (dBm)	Typical (dBm)	Typical (dBm)	Mbps	10-6 BER (dBm)	10-6 BER (dB)	Co-Chan (dB)	Adj-Chan (dB)	Typical (dB)
L6 GHz	60	64	32.5	35.0	-74.5	107.0	109.5	256.8	-22	50	26	-20	20.0
L6 GHz	60	128	32.5	35.0	-71.5	104.0	106.5	305.2	-22	48	30	-16	22.0
L6 GHz	60	256	32.5	34.0	-68.5	101.0	102.5	349.0	-22	46	32	-12	23.5
L6 GHz	60	512	31.5	34.0	-65.0	96.5	99.0	395.2	-22	44	36	-10	24.0
L6 GHz	60	1024	31.5	33.0	-61.5	93.0	94.5	434.5	-22	42	39	-7	26.5
U6 GHz	5	4	32.5	35.0	-96.5	129.0	131.5	6.3	-22	>60	15	-18	5.0
U6 GHz	5	16	32.5	35.0	-89.5	122.0	124.5	14.3	-22	>60	21	-17	12.0
U6 GHz	5	32	32.5	35.0	-86.0	118.5	121.0	18.0	-22	>60	25	-16	15.0
U6 GHz	5	64	32.5	35.0	-83.5	116.0	118.5	22.0	-22	>60	27	-13	17.0
U6 GHz	5	128	32.5	35.0	-81.0	113.5	116.0	25.4	-22	>60	30	-10	19.5
U6 GHz	5	256	32.5	34.0	-78.0	110.5	112.0	28.8	-22	>60	32	-7	21.5
U6 GHz	5	512	31.5	34.0	-75.0	106.5	109.0	31.9	-22	>60	35	-4	23.5
U6 GHz	5	1024	31.5	33.0	-71.5	103.0	104.5	34.5	-22	TBD	TBD	TBD	26.0
U6 GHz	10	4	32.5	35.0	-93.0	125.5	128.0	14.7	-22	>60	15	-18	10.5
U6 GHz	10	16	32.5	35.0	-87.5	120.0	122.5	29.5	-22	>60	21	-17	17.0
U6 GHz	10	32	32.5	35.0	-84.0	116.5	119.0	36.8	-22	>60	25	-16	19.5
U6 GHz	10	64	32.5	35.0	-81.5	114.0	116.5	44.9	-22	>60	27	-13	21.0
U6 GHz	10	128	32.5	35.0	-79.0	111.5	114.0	52.0	-22	>60	30	-10	20.5
U6 GHz	10	256	32.5	34.0	-75.5	108.0	109.5	59.7	-22	>60	32	-7	23.0
U6 GHz	10	512	31.5	34.0	-73.0	104.5	107.0	66.5	-22	59	35	-4	24.5
U6 GHz	10	1024	31.5	33.0	-69.5	101.0	102.5	72.3	-22	57	39	-1	26.0
U6 GHz	30	4	32.5	35.0	-89.0	121.5	124.0	43.4	-22	>60	15	-20	10.5
U6 GHz	30	16	32.5	35.0	-83.0	115.5	118.0	90.2	-22	>60	21	-20	15.0
U6 GHz	30	32	32.5	35.0	-79.5	112.0	114.5	113.3	-22	>60	25	-18	17.5
U6 GHz	30	64	32.5	35.0	-77.5	110.0	112.5	136.4	-22	58	27	-16	19.0
U6 GHz	30	128	32.5	35.0	-74.5	107.0	109.5	161.0	-22	55	30	-15	21.0
U6 GHz	30	256	32.5	34.0	-71.5	104.0	105.5	183.1	-22	53	32	-13	22.5
U6 GHz	30	512	31.5	34.0	-68.5	100.0	102.5	205.5	-22	52	35	-10	24.0
U6 GHz	30	1024	31.5	33.0	-65.0	96.5	98.0	227.0	-22	49	39	-7	26.0

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			Standard Power	High Power**		Standard Power	High Power**						
RF Band	BW MHz	QAM (n)	Typical (dBm)	Typical (dBm)	Typical (dBm)	Typical (dBm)	Typical (dBm)	Mbps	10-6 BER (dBm)	10-6 BER (dB)	Co-Chan (dB)	Adj-Chan (dB)	Typical (dB)
UU6 GHz	25	4	32.5	35.0	-90.0	122.5	125.0	35.5	-22	>60	15	-18	10.5
UU6 GHz	25	16	32.5	35.0	-84.0	116.5	119.0	73.9	-22	>60	21	-17	15.0
UU6 GHz	25	32	32.5	35.0	-80.5	113.0	115.5	92.8	-22	>60	25	-16	18.0
UU6 GHz	25	64	32.5	35.0	-78.0	110.5	113.0	111.7	-22	60	27	-13	19.0
UU6 GHz	25	128	32.5	35.0	-75.0	107.5	110.0	131.9	-22	57	30	-10	21.0
UU6 GHz	25	256	32.5	34.0	-72.0	104.5	106.0	150.0	-22	55	32	-7	22.5
UU6 GHz	25	512	31.5	34.0	-69.5	101.0	103.5	168.3	-22	54	35	-4	24.0
UU6 GHz	25	1024	31.5	33.0	-65.5	97.0	98.5	186.0	-22	51	39	-1	26.0
7 GHz	5	4	30.5	34.0	-96.5	127.0	130.5	6.3	-22	>60	15	-18	5.0
7 GHz	5	16	30.5	34.0	-89.5	120.0	123.5	14.3	-22	>60	21	-17	12.0
7 GHz	5	32	30.5	34.0	-86.0	116.5	120.0	18.0	-22	>60	25	-16	15.0
7 GHz	5	64	30.5	34.0	-83.0	113.5	117.0	22.0	-22	>60	27	-13	17.0
7 GHz	5	128	30.5	34.0	-81.0	111.5	115.0	25.4	-22	>60	30	-10	19.5
7 GHz	5	256	30.5	33.0	-78.0	108.5	111.0	28.8	-22	>60	32	-7	21.5
7 GHz	5	512	29.5	33.0	-74.5	104.0	107.5	31.9	-22	>60	35	-4	23.5
7 GHz	5	1024	29.5	33.0	-71.5	101.0	104.5	34.5	-22	TBD	TBD	TBD	26.0
7 GHz	10	4	30.5	34.0	-93.0	123.5	127.0	14.7	-22	>60	15	-18	10.5
7 GHz	10	16	30.5	34.0	-87.0	117.5	121.0	29.5	-22	>60	21	-17	17.0
7 GHz	10	32	30.5	34.0	-83.5	114.0	117.5	36.8	-22	>60	25	-16	19.5
7 GHz	10	64	30.5	34.0	-81.0	111.5	115.0	44.9	-22	>60	27	-13	21.0
7 GHz	10	128	30.5	34.0	-78.5	109.0	112.5	52.0	-22	>60	30	-10	20.5
7 GHz	10	256	30.5	33.0	-75.5	106.0	108.5	59.7	-22	>60	32	-7	23.0
7 GHz	10	512	29.5	33.0	-72.5	102.0	105.5	66.5	-22	59	35	-4	24.5
7 GHz	10	1024	29.5	33.0	-69.0	98.5	102.0	72.3	-22	57	39	-1	26.0
7 GHz	30	4	30.5	34.0	-88.5	119.0	122.5	43.4	-22	>60	15	-20	10.5
7 GHz	30	16	30.5	34.0	-82.5	113.0	116.5	90.2	-22	>60	21	-20	15.0
7 GHz	30	32	30.5	34.0	-79.0	109.5	113.0	113.3	-22	>60	25	-18	17.5
7 GHz	30	64	30.5	34.0	-77.0	107.5	111.0	136.4	-22	58	27	-16	19.0
7 GHz	30	128	30.5	34.0	-74.0	104.5	108.0	161.0	-22	55	30	-15	21.0
7 GHz	30	256	30.5	33.0	-71.0	101.5	104.0	183.1	-22	53	32	-13	22.5
7 GHz	30	512	29.5	33.0	-68.0	97.5	101.0	205.5	-22	52	35	-10	24.0
7 GHz	30	1024	29.5	33.0	-64.5	94.0	97.5	227.0	-22	49	39	-7	26.0

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General			Transmit Output Power		Receiver Threshold	System Gain		Radio Capacity	Receiver Overload	DFM	T/I		XPIC Improvement Factor
			Standard Power	High Power**		Standard Power	High Power**						
RF Band	BW MHz	QAM (n)	Typical (dBm)	Typical (dBm)	Typical (dBm)	Typical (dBm)	Typical (dBm)	Mbps	10-6 BER (dBm)	10-6 BER (dB)	Co-Chan (dB)	Adj-Chan (dB)	Typical (dB)
8 GHz	5	4	30.5	34.0	-96.5	127.0	130.5	6.3	-22	>60	15	-18	5.0
8 GHz	5	16	30.5	34.0	-89.5	120.0	123.5	14.3	-22	>60	21	-17	12.0
8 GHz	5	32	30.5	34.0	-86.0	116.5	120.0	18.0	-22	>60	25	-16	15.0
8 GHz	5	64	30.5	34.0	-83.0	113.5	117.0	22.0	-22	>60	27	-13	17.0
8 GHz	5	128	30.5	34.0	-81.0	111.5	115.0	25.4	-22	>60	30	-10	19.5
8 GHz	5	256	30.5	33.0	-78.0	108.5	111.0	28.8	-22	>60	32	-7	21.5
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8 GHz	5	1024	29.5	33.0	-71.5	101.0	104.5	34.5	-22	TBD	TBD	TBD	26.0
8 GHz	10	4	30.5	34.0	-93.0	123.5	127.0	14.7	-22	>60	15	-18	10.5
8 GHz	10	16	30.5	34.0	-87.0	117.5	121.0	29.5	-22	>60	21	-17	17.0
8 GHz	10	32	30.5	34.0	-83.5	114.0	117.5	36.8	-22	>60	25	-16	19.5
8 GHz	10	64	30.5	34.0	-81.0	111.5	115.0	44.9	-22	>60	27	-13	21.0
8 GHz	10	128	30.5	34.0	-78.5	109.0	112.5	52.0	-22	>60	30	-10	20.5
8 GHz	10	256	30.5	33.0	-75.5	106.0	108.5	59.7	-22	>60	32	-7	23.0
8 GHz	10	512	29.5	33.0	-72.5	102.0	105.5	66.5	-22	59	35	-4	24.5
8 GHz	10	1024	29.5	33.0	-69.0	98.5	102.0	72.3	-22	57	39	-1	26.0
8 GHz	30	4	30.5	34.0	-88.5	119.0	122.5	43.4	-22	>60	15	-20	10.5
8 GHz	30	16	30.5	34.0	-82.5	113.0	116.5	90.2	-22	>60	21	-20	15.0
8 GHz	30	32	30.5	34.0	-79.0	109.5	113.0	113.3	-22	>60	25	-18	17.5
8 GHz	30	64	30.5	34.0	-77.0	107.5	111.0	136.4	-22	58	27	-16	19.0
8 GHz	30	128	30.5	34.0	-74.0	104.5	108.0	161.0	-22	55	30	-15	21.0
8 GHz	30	256	30.5	33.0	-71.0	101.5	104.0	183.1	-22	53	32	-13	22.5
8 GHz	30	512	29.5	33.0	-68.0	97.5	101.0	205.5	-22	52	35	-10	24.0
8 GHz	30	1024	29.5	33.0	-64.5	94.0	97.5	227.0	-22	49	39	-7	26.0
10.5 GHz	5	4	30.5		-96.0	126.5		6.3	-22	>60	15	-18	5.0
10.5 GHz	5	16	30.5		-89.0	119.5		14.3	-22	>60	21	-17	12.0
10.5 GHz	5	32	30.5		-85.5	116.0		18.0	-22	>60	25	-16	15.0
10.5 GHz	5	64	30.0		-83.0	113.0		22.0	-22	>60	27	-13	17.0

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			Standard Power	High Power**		Standard Power	High Power**						
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10.5 GHz	5	1024	27.0		-71.0	98.0		34.5	-22	TBD	TBD	TBD	26.0
11 GHz	5	4	30.5	32.5	-96.0	126.5	128.5	6.3	-22	>60	15	-18	5.0
11 GHz	5	16	30.5	32.5	-89.0	119.5	121.5	14.3	-22	>60	21	-17	12.0
11 GHz	5	32	30.5	32.5	-85.5	116.0	118.0	18.0	-22	>60	25	-16	15.0
11 GHz	5	64	30.5	32.5	-83.0	113.5	115.5	22.0	-22	>60	27	-13	17.0
11 GHz	5	128	30.5	32.5	-80.5	111.0	113.0	25.4	-22	>60	30	-10	19.5
11 GHz	5	256	29.5	32.0	-77.5	107.0	109.5	28.8	-22	>60	32	-7	21.5
11 GHz	5	512	28.0	31.0	-74.5	102.5	105.5	31.9	-22	>60	35	-4	23.5
11 GHz	5	1024	27.5	30.0	-71.0	98.0	101.0	34.5	-22	TBD	TBD	TBD	26.0
11 GHz	10	4	30.5	32.5	-92.5	123.0	125.0	14.7	-22	>60	15	-18	10.5
11 GHz	10	16	30.5	32.5	-87.0	117.5	119.5	29.5	-22	>60	21	-17	17.0
11 GHz	10	32	30.5	32.5	-83.5	114.0	116.0	36.8	-22	>60	25	-16	19.5
11 GHz	10	64	30.5	32.5	-81.0	111.5	113.5	44.9	-22	>60	27	-13	21.0
11 GHz	10	128	30.5	32.5	-78.5	109.0	111.0	52.0	-22	>60	30	-10	20.5
11 GHz	10	256	29.5	32.0	-75.0	104.5	107.0	59.7	-22	>60	32	-7	23.0
11 GHz	10	512	28.0	31.0	-72.5	100.5	103.5	66.5	-22	59	35	-4	24.5
11 GHz	10	1024	27.5	30.0	-69.0	96.5	99.0	72.3	-22	57	39	-1	26.0
11 GHz	30	4	30.5	32.5	-88.5	119.0	121.0	43.4	-22	>60	15	-20	10.5
11 GHz	30	16	30.5	32.5	-82.5	113.0	115.0	90.2	-22	>60	21	-19	15.0
11 GHz	30	32	30.5	32.5	-79.0	109.5	111.5	113.3	-22	60	25	-18	17.5
11 GHz	30	64	30.5	32.5	-77.0	107.5	109.5	136.4	-22	58	27	-16	19.0
11 GHz	30	128	30.5	32.5	-74.0	104.5	106.5	161.0	-22	55	30	-15	21.0
11 GHz	30	256	29.5	32.0	-71.0	100.5	103.0	183.1	-22	53	32	-13	22.5

9500 MPR													
MPT-HLC Path Engineering specifications for Fixed/Adaptive Modulation 5.8, 6, 7, 8, 10.5, 11 GHz													
General			Transmit Output Power		Receiver Threshold	System Gain		Radio Capacity	Receiver Overload	DFM	T/I		XPIC Improvement Factor
			Standard Power	High Power**		Standard Power	High Power**						
RF Band	BW MHz	QAM (n)	Typical (dBm)	Typical (dBm)	Typical (dBm)	Typical (dBm)	Typical (dBm)	Mbps	10-6 BER (dBm)	10-6 BER (dB)	Co-Chan (dB)	Adj-Chan (dB)	Typical (dB)
11 GHz	30	512	28.0	31.0	-68.0	96.0	99.0	205.5	-22	52	35	-10	24.0
11 GHz	30	1024	27.5	30.0	-64.5	92.0	94.5	227.0	-22	49	39	-7	26.0
11 GHz	40	4	30.5	32.5	-87.5	118.0	120.0	55.4	-22	>60	14	-18	10.5
11 GHz	40	16	30.5	32.5	-81.5	112.0	114.0	115.1	-22	58	20	-17	15.5
11 GHz	40	32	30.5	32.5	-78.0	108.5	110.5	144.5	-22	56	24	-16	18.5
11 GHz	40	64	30.5	32.5	-75.5	106.0	108.0	178.6	-22	55	26	-13	20.0
11 GHz	40	128	30.5	32.5	-72.5	103.0	105.0	207.3	-22	53	30	-10	21.5
11 GHz	40	256	29.5	32.0	-69.5	99.0	101.5	237.8	-22	51	32	-7	24.0
11 GHz	40	512	28.0	31.0	-66.5	94.5	97.5	267.2	-22	49	36	-4	24.5
11 GHz	40	1024	27.5	30.0	-63.0	90.5	93.0	294.3	-22	47	39	-1	27.0

**For NTIA applications, the high power 7 & 8 GHz units will have 1 dB less TX power and 1 dB less system gain, and are only available for 10 & 30 MHz channels.

Not all profiles may be available in current software release.
 Transmit power is measured at the output of the power amplifier and receiver threshold is measured at the
 Specification values are typical.

9500 MPR												
MPT-HL Path Engineering specifications for Static Modulation, 5.8, 6, 7, 8, 10.5, 11 GHz												
General			Radio Capacity (Layer 2)	Transmit Output Power		Receiver Threshold	System Gain		Receiver Overload	DFM	T/I	
				Standard Power	High Power		Standard Power	High Power				
RF Band	BW MHz	QAM (n)	Mbps	Typical (dBm)	Typical (dBm)	Typical (dBm)	Typical (dBm)	Typical (dBm)	10-6 BER (dBm)	10-6 BER (dB)	Co-Chan (dB)	Adj-Chan (dB)
5.8 GHz	5	32	18.3	32		-85	117		-23	61	27	-8
5.8 GHz	5	128	25.8	31		-79	110		-24	58	33	-5
5.8 GHz	10	32	37.3	32		-82	114		-23	58	27	-8
5.8 GHz	10	128	52.6	31		-76	107		-24	55	33	-5
5.8 GHz	30	32	114.2	32		-77.5	109.5		-23	52	27	-8
5.8 GHz	30	128	160.2	31		-71	102		-24	50	33	-5
5.8 GHz	30	256	183.3	28		-67.5	95.5		-26.5	47	37	-2
L6 GHz	5	128	25.8	31	33	-79	110	112.0	-22	58	33	-5
L6 GHz	10	128	52.6	31	33	-76	107	109.0	-22	55	33	-5
L6 GHz	30	128	160.2	31	33	-71	102	104.0	-22	50	33	-5
L6 GHz	30	256	183.3	28	30	-67.5	95.5	97.5	-24.5	47	37	-2
U6 GHz	5	128	25.8	31	33	-79	110	112.0	-22	58	33	-5
U6 GHz	10	128	52.6	31	33	-76	107	109.0	-22	55	33	-5
U6 GHz	30	128	160.2	31	33	-71	102	104.0	-22	50	33	-5
U6 GHz	30	256	183.3	28	30	-67.5	95.5	97.5	-24.5	47	37	-2
7 GHz	5	32	18.3	33		-84	117		-21	61	27	-8
7GHz	5	128	25.8	32		-78	110		-24	58	33	-5
7GHz	10	32	37.3	33		-81	114		-21	58	27	-8
7GHz	10	128	52.6	32		-75	107		-24	55	33	-5
7GHz	30	32	114.2	33		-76.5	109.5		-21	52	27	-8
7GHz	30	128	160.2	32		-70	102		-24	50	33	-5
7GHz	30	256	183.3	29		-66.5	95.5		-25.5	47	37	-2
8 GHz	5	32	18.3	33		-84	117		-21	61	27	-8
8 GHz	5	128	25.8	32		-78	110		-24	58	33	-5
8 GHz	10	32	37.3	33		-81	114		-21	58	27	-8
8 GHz	10	128	52.6	32		-75	107		-24	55	33	-5
8 GHz	30	32	114.2	33		-76.5	109.5		-21	52	27	-8
8 GHz	30	128	160.2	32		-70	102		-24	50	33	-5
8 GHz	30	256	183.3	29		-66.5	95.5		-25.5	47	37	-2
10.5 GHz	5	128	25.8	29		-77.5	106.5		-24	58	33	-5
11 GHz	5	32	18.3	30		-83.5	113.5		-23	61	27	-8

9500 MPR												
MPT-HL Path Engineering specifications for Static Modulation, 5.8, 6, 7, 8, 10.5, 11 GHz												
General			Radio Capacity (Layer 2)	Transmit Output Power		Receiver Threshold	System Gain		Receiver Overload	DFM	T/I	
				Standard Power	High Power		Standard Power	High Power				
RF Band	BW MHz	QAM (n)	Mbps	Typical (dBm)	Typical (dBm)	Typical (dBm)	Typical (dBm)	Typical (dBm)	10-6 BER (dBm)	10-6 BER (dB)	Co-Chan (dB)	Adj-Chan (dB)
11 GHz	5	128	25.8	29		-77.5	106.5		-24	58	33	-5
11 GHz	10	32	37.3	30		-80.5	110.5		-23	58	27	-8
11 GHz	10	128	52.6	29		-74.5	103.5		-24	55	33	-5
11 GHz	30	32	114.2	30		-76	106		-23	52	27	-8
11 GHz	30	128	160.2	29		-69.5	98.5		-24	50	33	-5
11 GHz	30	256	183.3	26		-66	92		-27	47	37	-2
11 GHz	40	128	213.9	29		-68.5	97.5		-24	47	33	-5
11 GHz	40	256	245.2	26		-65	91		-27	41	37	-2

Not all profiles may be available in current software release.
Transmit power is measured at the output of the power amplifier and receiver threshold is measured at the input of the radio receiver.
Specification values are typical.

9500 MPR												
MPT-HL Path Engineering specifications for Adaptive Modulation 5.8, 6, 7, 8, 10.5, 11 GHz												
General			Radio Capacity	Transmit Output Power		Receiver Threshold	System Gain		Receiver Overload	DFM	T/I	
				Standard Power	High Power		Standard Power	High Power				
RF Band	BW MHz	QAM (n)	Mbps	Typical (dBm)	Typical (dBm)	Typical (dBm)	Typical (dBm)	Typical (dBm)	10-6 BER (dBm)	10-6 BER (dB)	Co-Chan (dB)	Adj-Chan (dB)
5.8 GHz	30	4	44.9	32		-86	118		-23	65	18	-8
5.8 GHz	30	16	90.9	32		-80	112		-23	57	24.5	-8
5.8 GHz	30	64	136.9	31		-74	105		-23	52	30.5	-8
5.8 GHz	30	128	159.9	31		-70.5	101.5		-24	48	33.5	-5
5.8 GHz	30	256	182.9	28		-67	95		-26.5	44	37	-2
L6 GHz	30	4	44.9	32	34	-86	118	120.0	-21	65	18	-8
L6 GHz	30	16	90.9	32	34	-80	112	114.0	-21	57	24.5	-8
L6 GHz	30	64	136.9	31	33	-74	105	107.0	-21	52	30.5	-8
L6 GHz	30	128	159.9	31	33	-70.5	101.5	103.5	-22	48	33.5	-5
L6 GHz	30	256	182.9	28	30	-67	95	97.0	-24.5	44	37	-2
U6 GHz	30	4	44.9	32	34	-86	118	120.0	-21	65	18	-8
U6 GHz	30	16	90.9	32	34	-80	112	114.0	-21	57	24.5	-8
U6 GHz	30	64	136.9	31	33	-74	105	107.0	-21	52	30.5	-8
U6 GHz	30	128	159.9	31	33	-70.5	101.5	103.5	-22	48	33.5	-5
U6 GHz	30	256	182.9	28	30	-67	95	97.0	-24.5	44	37	-2
UU6 GHz	25	4	36		34	-86.5		120.5	-21	66	18	-7
UU6 GHz	25	16	73		34	-80.5		114.5	-21	58	24.5	-7
UU6 GHz	25	64	110		33	-74.5		107.5	-21	53	30.5	-7
UU6 GHz	25	128	130		33	-71		104.0	-22	49	33.5	-4
UU6 GHz	25	256	148		30	-67.5		97.5	-24.5	45	37	-1
7GHz	30	4	44.9	33		-85	118		-21	65	18	-8
7GHz	30	16	90.9	33		-79	112		-21	57	24.5	-8
7GHz	30	64	136.9	32		-73	105		-24	52	30.5	-8
7GHz	30	128	159.9	32		-69.5	101.5		-24	48	33.5	-5
7GHz	30	256	182.9	29		-66	95		-25.5	44	37	-2

9500 MPR												
MPT-HL Path Engineering specifications for Adaptive Modulation 5.8, 6, 7, 8, 10.5, 11 GHz												
General			Radio Capacity	Transmit Output Power		Receiver Threshold	System Gain		Receiver Overload	DFM	T/I	
				Standard Power	High Power		Standard Power	High Power				
RF Band	BW MHz	QAM (n)	Mbps	Typical (dBm)	Typical (dBm)	Typical (dBm)	Typical (dBm)	Typical (dBm)	10-6 BER (dBm)	10-6 BER (dB)	Co-Chan (dB)	Adj-Chan (dB)
8 GHz	30	4	44.9	33		-85	118		-21	65	18	-8
8 GHz	30	16	90.9	33		-79	112		-21	57	24.5	-8
8 GHz	30	64	136.9	32		-73	105		-24	52	30.5	-8
8 GHz	30	128	159.9	32		-69.5	101.5		-24	48	33.5	-5
8 GHz	30	256	182.9	29		-66	95		-25.5	44	37	-2
11 GHz	30	4	44.9	30		-85	115		-23	65	18	-8
11 GHz	30	16	90.9	30		-79	109		-23	57	24.5	-8
11 GHz	30	64	136.9	29		-73	102		-23	52	30.5	-8
11 GHz	30	128	159.9	29		-69.5	98.5		-24	48	33.5	-5
11 GHz	30	256	182.9	26		-66	92		-25.5	44	37	-2

Not all profiles may be available in current software release.

Transmit power is measured at the output of the power amplifier and receiver threshold is measured at the input of the radio receiver.

Specifications values are typical.

MPT-HL Typical Insertion Loss Table (Diplexers)

Frequency Band	Total Transmit Insertion Loss (Typical Values) --		Total Receive Insertion Loss (Typical Values) -- dB**		
	1+0	1+1	1+0	1+1 (Main)	1+1 (Stby)
5725-5850	1.7	2.2	1.9	2.5	12.1
5925-6425	1.3	1.8	1.6	2.1	11.7
6525-6875	1.3	1.9	2.3	2.8	11.9
7125-8500	1.8	2.7	2.1	2.7	12.1
10550-10680	2.4	3.1	2.9	3.4	12.9
10700-11700	1.4	2.1	1.7	2.2	11.7

*Includes diplexer, cable, and RF switch losses

**Includes diplexer, cable, isolator, and coupler losses

MPT-HL Typical Insertion Loss Table (Stacking Filters)***

Frequency Band	Total Transmit Insertion Loss (Typical Values) --		Total Receive Insertion Loss (Typical Values) -- dB**		
	1+0	1+1	1+0	1+1 (Main)	1+1 (Stby)
5725-5850	1.6	2.0	2.1	2.6	12.1
5925-6425	1.6	2.0	2.1	2.6	12.1
6525-6875	1.7	2.1	2.1	2.6	12.1
7125-8500	2.0	2.6	2.2	2.7	12.3
10700-11700	2.2	2.7	2.4	2.9	12.5

*Includes filter, cable, and RF switch losses

**Includes filter, cable, and isolator losses

***Refer to System Application Rules (3EM227840000BGZZA) for additional branching loss calculation