



Mil-Aero 6 GHz Link Output Performance and Gain Selection

Mil-Aero 10 MHz - 6 GHz RFOF link: Standard gain link												1.5 GHz	
SFDR	109.4	109.6	109.7	109.8	109.9	110.0	110.1	110.1	110.1	110.1	110.1	dB/Hz	
IP1	3.6	2.9	2.2	1.5	0.7	-0.2	-1.0	-1.9	-2.8	-3.8	-4.7	dBm	
IIP3	15.0	14.3	13.5	12.7	11.9	11.0	10.1	9.2	8.3	7.3	6.4	dBm	
NF	24.8	23.8	22.8	21.8	20.8	19.9	18.9	17.9	17.0	16.0	15.1	dB	
TX Gain (dB)	-16	-15	-14	-13	-12	-11	-10	-9	-8	-7	-6		
Nominal RX Gain (dB)	12	-4	-3	-2	-1	0	1	2	3	4	5	6	Available link gains (dB)
	13	-3	-2	-1	0	1	2	3	4	5	6	7	
	14	-2	-1	0	1	2	3	4	5	6	7	8	
	15	-1	0	1	2	3	4	5	6	7	8	9	
	16	0	1	2	3	4	5	6	7	8	9	10	
	17	1	2	3	4	5	6	7	8	9	10	11	
	18	2	3	4	5	6	7	8	9	10	11	12	
	19	3	4	5	6	7	8	9	10	11	12	13	
	20	4	5	6	7	8	9	10	11	12	13	14	
	21	5	6	7	8	9	10	11	12	13	14	15	
	22	6	7	8	9	10	11	12	13	14	15	16	

Mil-Aero 10 MHz - 6 GHz RFOF link: Standard gain link												5 GHz	
SFDR	102.1	102.2	102.3	102.4	102.4	102.5	102.5	102.5	102.5	102.6	102.6	dB/Hz	
IP1	2.6	1.9	1.2	0.4	-0.4	-1.2	-2.0	-2.9	-3.8	-4.8	-5.7	dBm	
IIP3	11.4	10.6	9.7	8.8	7.9	6.9	6.0	5.0	4.1	3.1	2.1	dBm	
NF	32.1	31.1	30.1	29.1	28.1	27.1	26.1	25.1	24.1	23.1	22.1	dB	
TX Gain (dB)	-16	-15	-14	-13	-12	-11	-10	-9	-8	-7	-6		
Nominal RX Gain (dB)	12	-4	-3	-2	-1	0	1	2	3	4	5	6	Available link gains (dB)
	13	-3	-2	-1	0	1	2	3	4	5	6	7	
	14	-2	-1	0	1	2	3	4	5	6	7	8	
	15	-1	0	1	2	3	4	5	6	7	8	9	
	16	0	1	2	3	4	5	6	7	8	9	10	
	17	1	2	3	4	5	6	7	8	9	10	11	
	18	2	3	4	5	6	7	8	9	10	11	12	
	19	3	4	5	6	7	8	9	10	11	12	13	
	20	4	5	6	7	8	9	10	11	12	13	14	
	21	5	6	7	8	9	10	11	12	13	14	15	
	22	6	7	8	9	10	11	12	13	14	15	16	

Mil-Aero High gain link – Min/Max Input Signals

Mil-Aero 10 MHz - 6 GHz RFoF link: High gain link											1.5 GHz		
SFDR	107.7	107.9	108.0	108.0	108.0	107.9	107.8	107.5	107.3	106.9	106.5	dB/Hz	
IP1	-10.9	-11.6	-12.2	-13.0	-13.7	-14.5	-15.4	-16.2	-17.1	-18.0	-19.0	dBm	
IIP3	-0.8	-1.3	-1.9	-2.5	-3.2	-3.9	-4.7	-5.5	-6.3	-7.2	-8.1	dBm	
NF	11.5	10.7	10.0	9.3	8.6	8.1	7.5	7.1	6.6	6.3	6.0	dB	
TX Gain (dB)	-2	-1	0	1	2	3	4	5	6	7	8		
Nominal RX Gain (dB)	12	10	11	12	13	14	15	16	17	18	19	20	Available link gains (dB)
	13	11	12	13	14	15	16	17	18	19	20	21	
	14	12	13	14	15	16	17	18	19	20	21	22	
	15	13	14	15	16	17	18	19	20	21	22	23	
	16	14	15	16	17	18	19	20	21	22	23	24	
	17	15	16	17	18	19	20	21	22	23	24	25	
	18	16	17	18	19	20	21	22	23	24	25	26	
	19	17	18	19	20	21	22	23	24	25	26	27	
	20	18	19	20	21	22	23	24	25	26	27	28	
	21	19	20	21	22	23	24	25	26	27	28	29	
22	20	21	22	23	24	25	26	27	28	29	30		

Mil-Aero 10 MHz - 6 GHz RFoF link: High gain link											5 GHz		
SFDR	101.4	101.5	101.7	101.8	101.9	102.0	102.0	102.0	101.9	101.9	101.8	dB/Hz	
IP1	-11.9	-12.4	-13.1	-13.7	-14.5	-15.2	-16.0	-16.9	-17.7	-18.6	-19.5	dBm	
IIP3	-3.3	-4.0	-4.7	-5.5	-6.3	-7.1	-8.0	-8.9	-9.8	-10.8	-11.7	dBm	
NF	18.5	17.5	16.6	15.6	14.7	13.8	12.9	12.0	11.1	10.3	9.5	dB	
TX Gain (dB)	-2	-1	0	1	2	3	4	5	6	7	8		
Nominal RX Gain (dB)	12	10	11	12	13	14	15	16	17	18	19	20	Available link gains (dB)
	13	11	12	13	14	15	16	17	18	19	20	21	
	14	12	13	14	15	16	17	18	19	20	21	22	
	15	13	14	15	16	17	18	19	20	21	22	23	
	16	14	15	16	17	18	19	20	21	22	23	24	
	17	15	16	17	18	19	20	21	22	23	24	25	
	18	16	17	18	19	20	21	22	23	24	25	26	
	19	17	18	19	20	21	22	23	24	25	26	27	
	20	18	19	20	21	22	23	24	25	26	27	28	
	21	19	20	21	22	23	24	25	26	27	28	29	
22	20	21	22	23	24	25	26	27	28	29	30		