

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	
1	Date:			5/30/2023															
2	Run description:			FRC/RMFO X/ADA Tests 3 RMF leakage/cable.															
3	Base pressures: SEC IG (T)																		
4	CC IG (T)																		
5	FEC IG (T)			6.0-7															
6	SEC Slow Baratron (T)			.0002															
7	CC Slow Baratron (T)			.019															
8	RMF frequency & phase			1.7994															
9	Magnet configuration & PS			4x8 + 8x4 coils; BB PS & 2 Magna powers inside 8; eight BN-covered FCs Recentered 4-turn MC coil															
10	RMF system			SRS -> duty factor limiters -> AR100LM9 -> 8KD -> 200 kW home made antennas: 2-turn; cable: RG-226, 60" long															
11	Time			10:17	10:25	10:28	10:30	10:32	10:36	10:37	10:41	10:49	10:49:30	11:40	11:57	11:58	12:00	12:01	12:02
12	Magnapower	L-2 Coils I (A)	0																
13	Big Blue	L-2 Coils I (A)	0																
14	Nozzle coils I (A)																		
15	SEC IG (T)																		
16	SEC Slow Baratron (T)			.0002															
17	CC IG (T)			.019															
18	CC slow Baratron (T)			.019															
19	FEC IG (T)			6.1															
20	FEC FB (T)			0-7															
21	Ta paddle voltage																		
22	Main valve																		
23	Navigator valve																		
24	End turbo valve																		
25	Gases/feed location/sccm			NONE															
26	PV-10 (V)																		
27	Pulse	A to/Δt																	
28		B to/Δt																	
29	CC Pressure (mT)			Pb															
30	(Fast Baratron)			Pa															
31	170 GHz dia (mV)/IM freq																		
32	Glassman	High Voltage (kV)	13.7																
33	RMFO system main SRS			1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
34	Pulse width (ms)			1	10	20	50	100	100	200	300	200	100	100	200	300	50	100	50
35	Time between pulses (s)			1	1	1	1	2	4	8	16	16	16	16	16	16	16	16	16
36	Frequency: Center(MHz)/Span(KHz)			1.7994															
37	Phase °			32															
38	Pa			0															
39	Pf (kW)			21															
40	ΦM or % reflected																		
41	Vf																		
42	Vr																		
43	Helicon Pf/Pr																		
44	Helicon (SRS/mod)																		
45	Comments/changes:			for Δφ = π/2, ne = 2.1e12 cm-3 for 16-cm dia plasma															