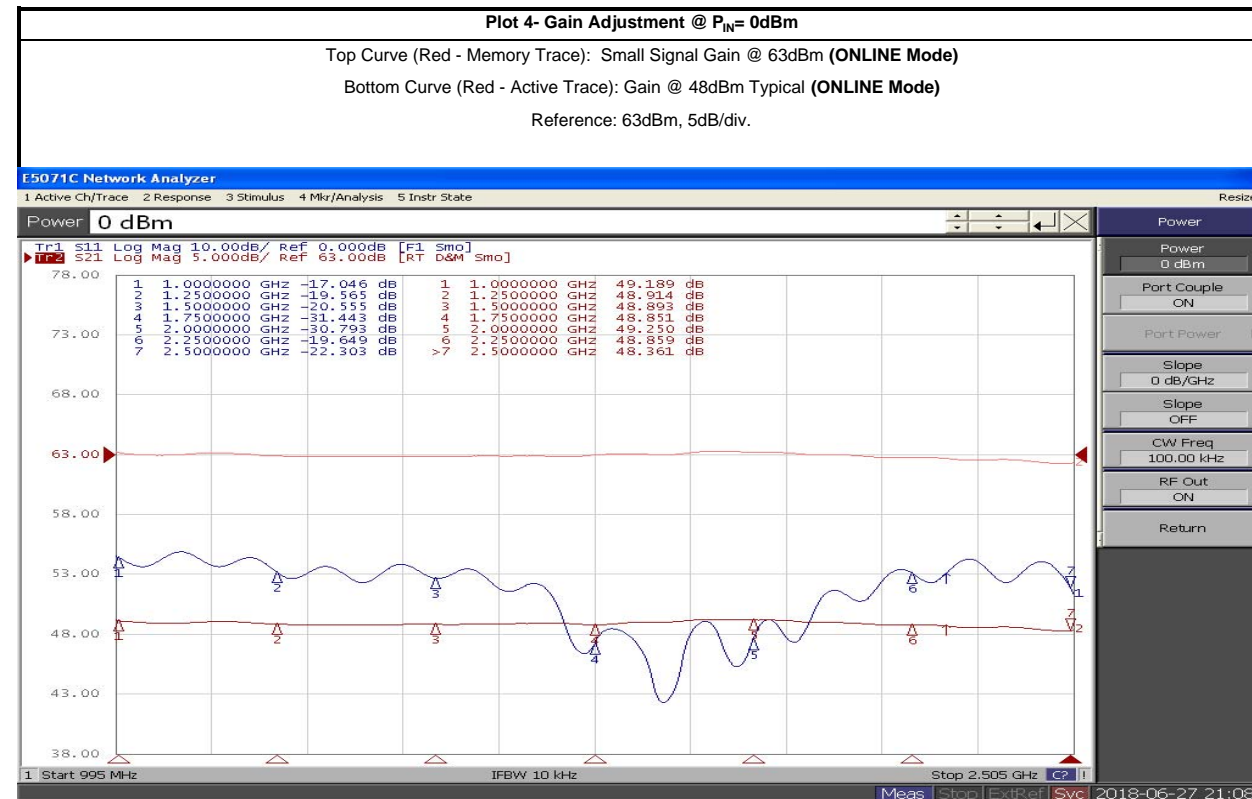
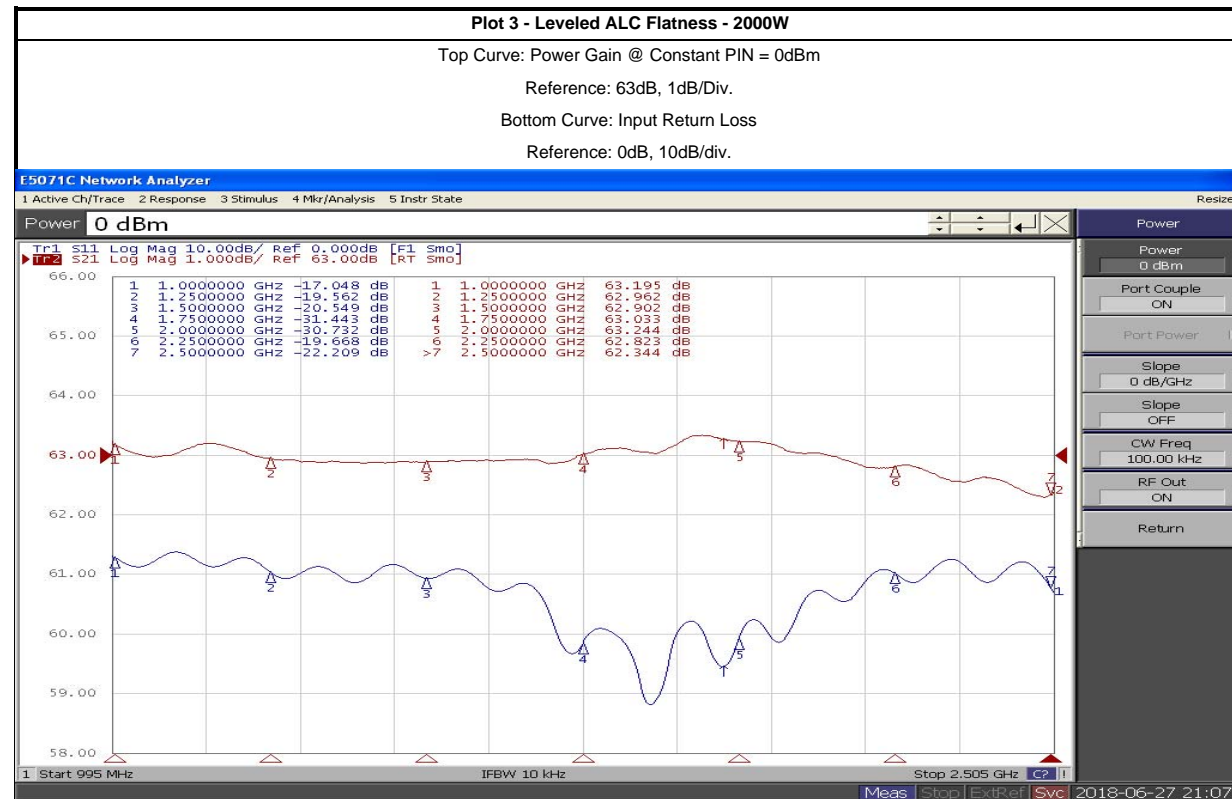
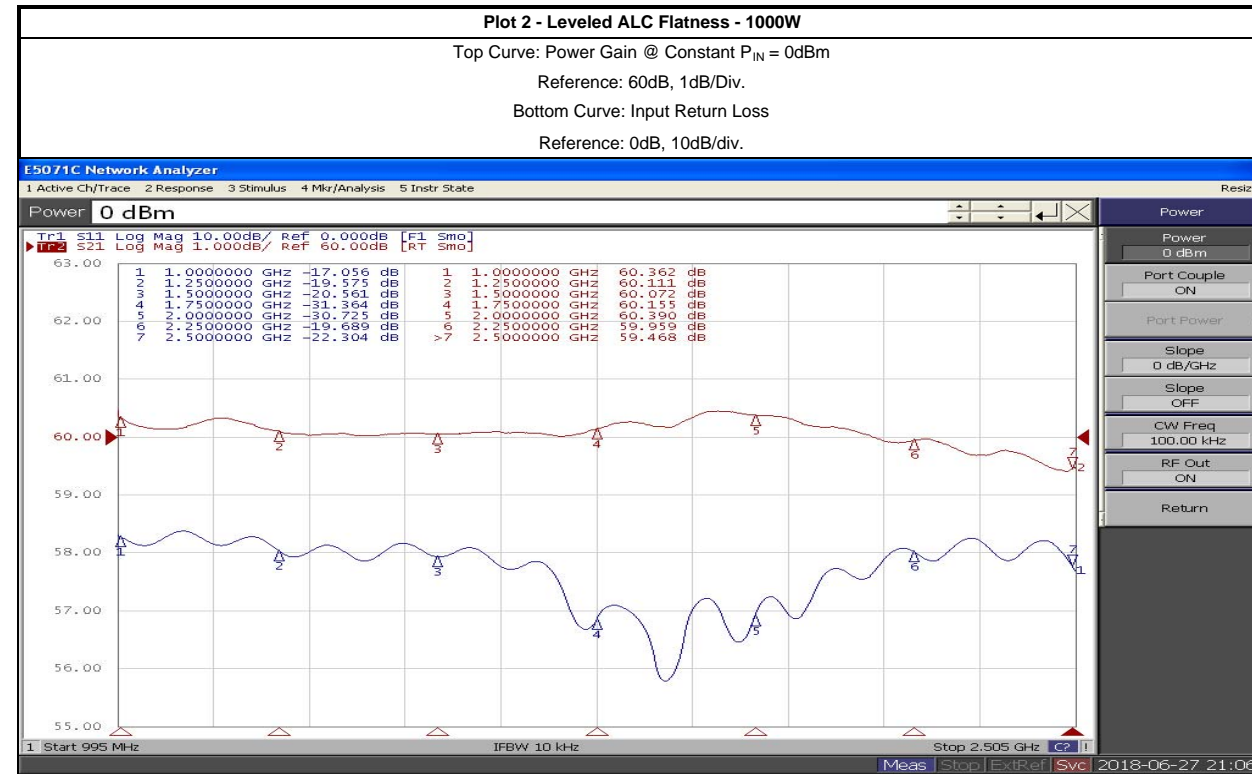
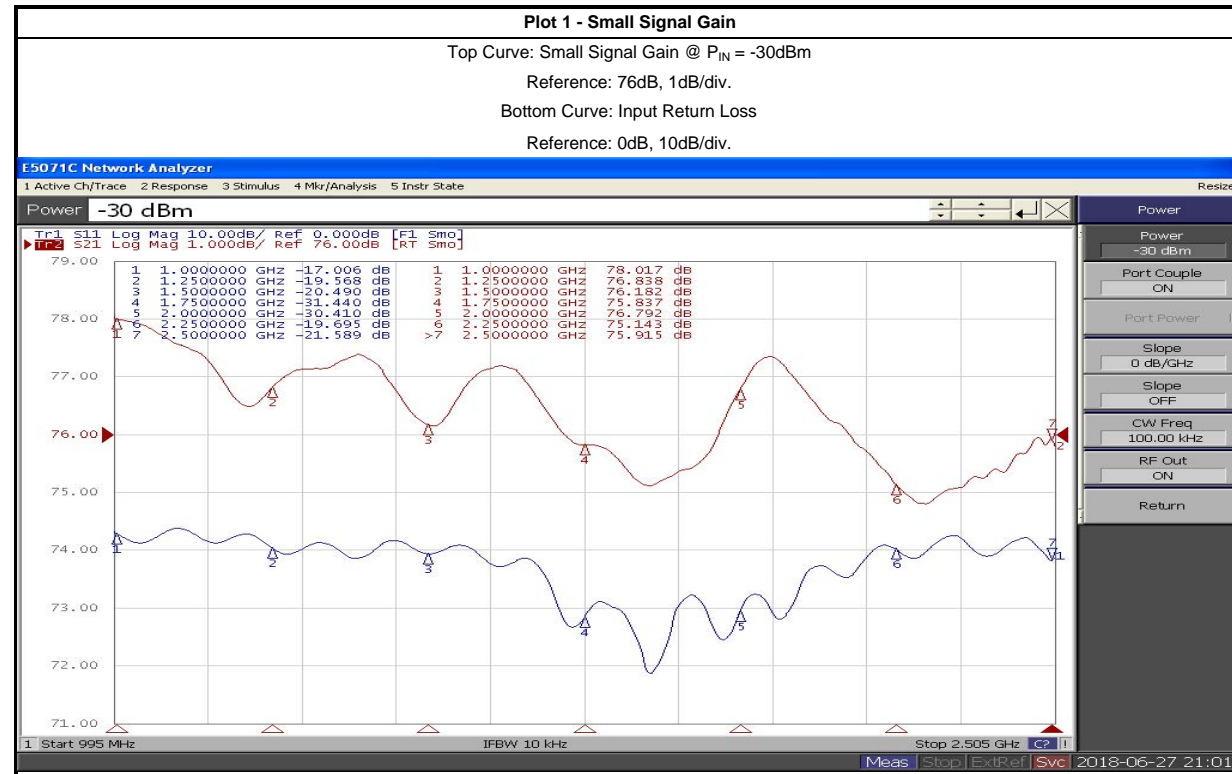


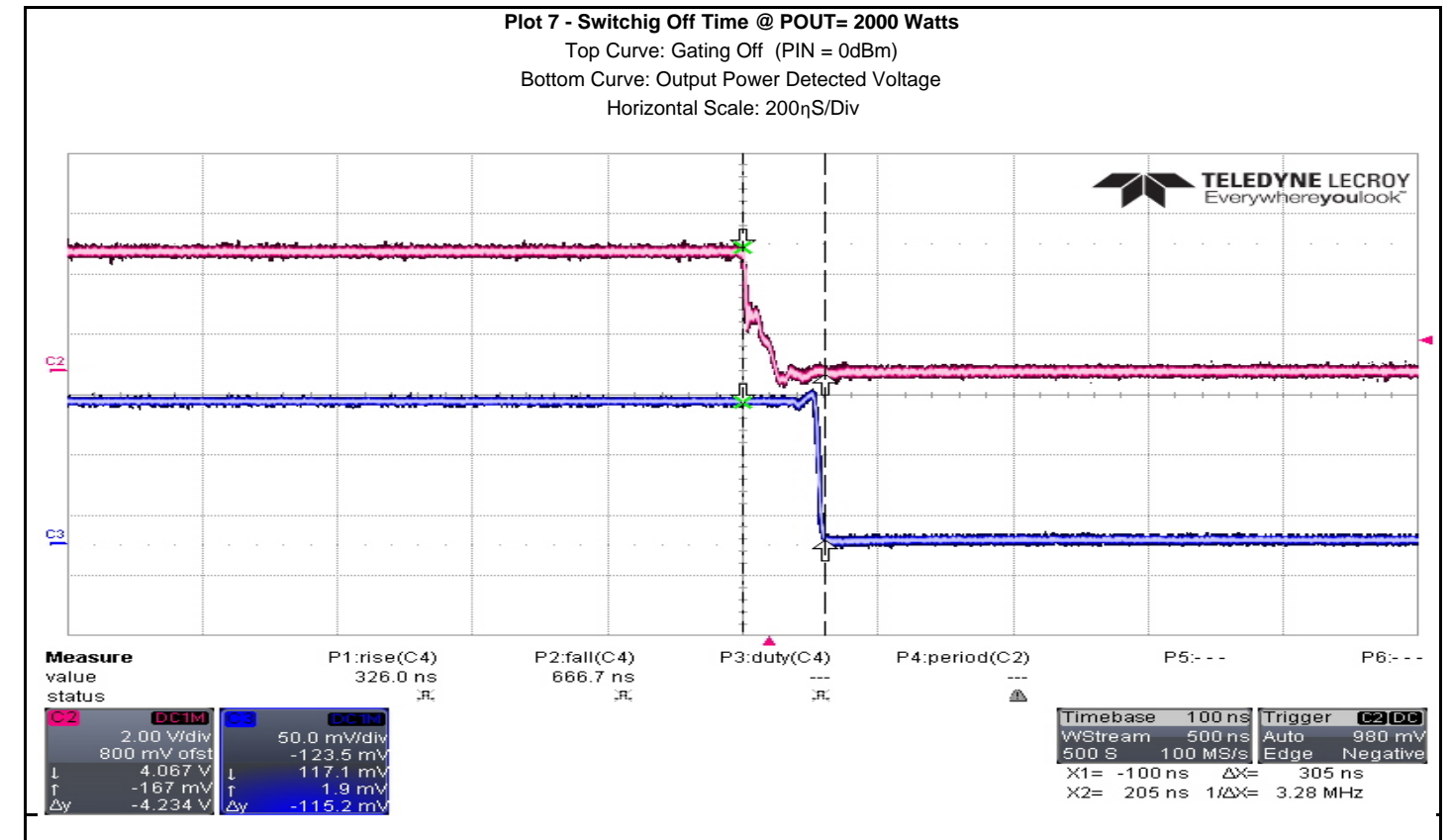
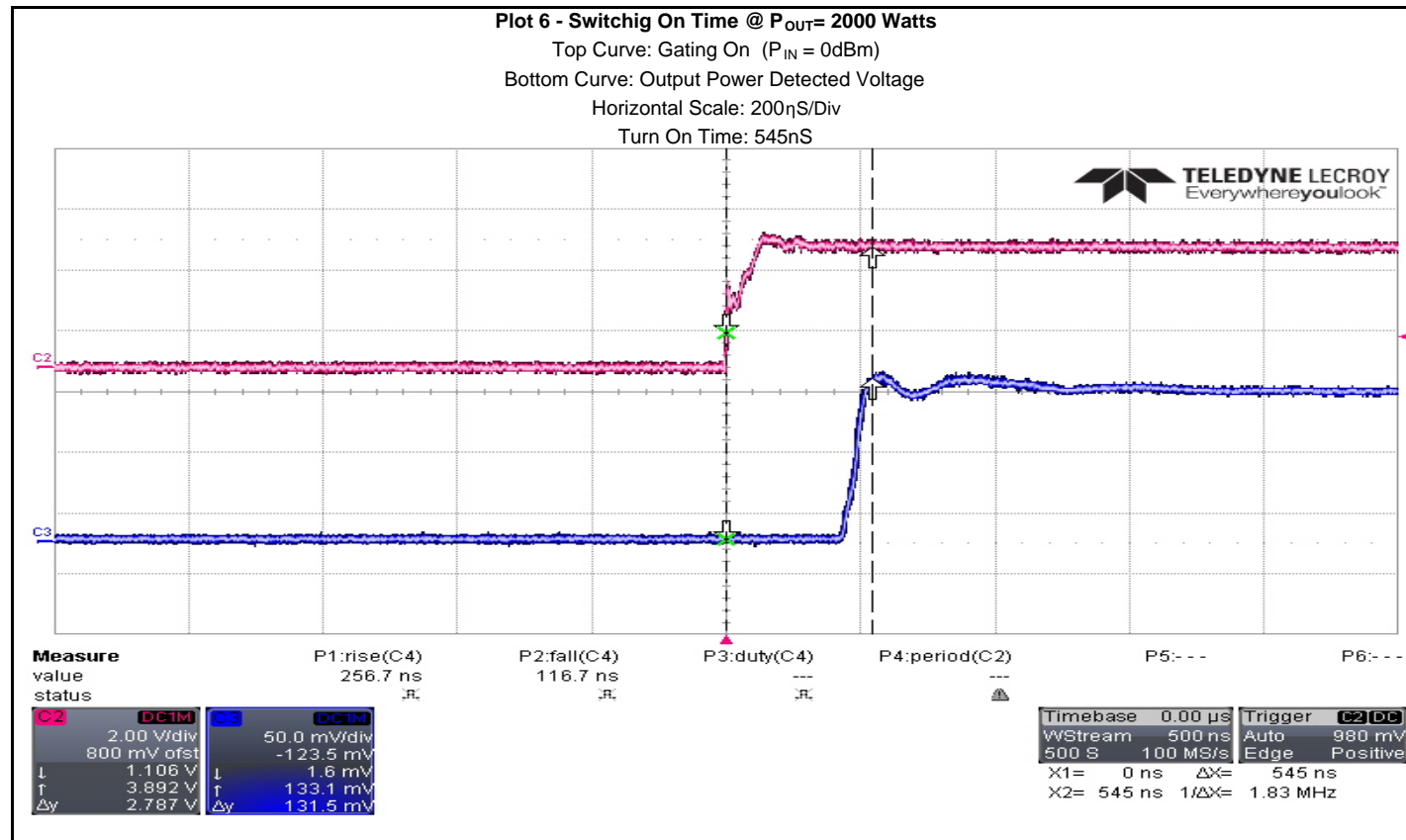
ELECTRICAL SPECIFICATIONS @ 208VAC 3-phase, 25°C ambient, 50Ω System, MGC mode unless specified otherwise

Parameter	Specifications						Frequency (MHz) & TEST RESULTS											
	Symbol	Min	Typ	Max	Unit	Notes	1000	1150	1300	1450	1600	1750	1900	2050	2200	2350	2500	PASS/FAIL
Operating Frequency Range	BW	1000		2500	MHz	Plot 1	x	x	x	x	x	x	x	x	x	x	x	Pass
Output Power	dBm		63				63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	63.0	Pass
AM Peak Power @ 1dB Gain Compression	P _{AM}	63			dBm	Record	>63.5	>63.7	>63.8	>63.5	>63.9	>63.7	>63.8	>63.8	>63.7	>63.5	>63.6	Pass
Power Gain @ P _{OUT} = 2000W	G _{1dB}	63			dB	Record	72.1	71.7	71.8	70.8	71.8	71.5	69.6	73.9	70.8	68.7	70.4	Pass
Input power for rated P _{OUT} = 2000W	P _{IN}		0		dbm	Record	-9.1	-8.7	-8.8	-7.8	-8.8	-8.5	-6.6	-10.9	-7.8	-5.7	-7.4	Pass
Small Signal Gain Flatness, P _{IN} = -30dBm; MGC Mode	ΔGSS			±3.5	dB	Plot 1	x	x	x	x	x	x	x	x	x	x	x	Pass
Leveled ALC Flatness @ P _{OUT} = 1000W	ΔALC			±1.0	dB	Plot 2	x	x	x	x	x	x	x	x	x	x	x	Pass
Leveled ALC Flatness @ P _{OUT} = 2000W	ΔALC			±1.0	dB	Plot 3	x	x	x	x	x	x	x	x	x	x	x	Pass
Gain Adjustment Range	VVA	15			dB	Plot 4	x	x	x	x	x	x	x	x	x	x	x	Pass
Gain @ Shutdown Condition, P _{IN} = 5dBm	G _{SD}			-35	dB	Plot 5	x	x	x	x	x	x	x	x	x	x	x	Pass
Input Return Loss	S ₁₁			-10	dB	Plots 1-3	x	x	x	x	x	x	x	x	x	x	x	Pass
Third Order Inter-modulation Distortion 2-Tones @ 57dBm/Tone, 1MHz	IM3		-20		dBc	Record	-34.5	-38.9	-38.1	-36.8	-35.9	-38.4	-40.2	-40.5	-39.1	-34.4	-36.9	Pass
Harmonics @ P _{OUT} = 2000W	2 ND			-15	dBc	Record	-14.5	-19.3	-19.0	-34.5	-41.4	-35.5	-63.2	-70.8	-72.4	-53.4	-47.5	Pass
	3 RD			-10			-32.6	-42.7	-50	-61.5	-55.2	-52.5	-25.9	-51.7	-39.6	-36.2	-65.4	Pass
	4 TH			-25			-53.8	-59.1	-65.4	-35.0	-41.5	-51.0	-68.3	-64.9	-83.8	-65.0	-82.5	Pass
	5 TH			-15			-58.5	-59.3	-53.3	-78.1	-78.9	-70.0	-83.3	-83	-80	-75.2	-75.1	Pass
Spurious Signals	Spur		-70	-60	dBc	Record	<-60.0	<-60.0	<-60.0	<-60.0	<-60.0	<-60.0	<-60.0	<-60.0	<-60.0	<-60.0	<-60.0	Pass
Switching Time, 1KHz TTL, P _{IN} = 0dBm	T _{ON,90%}			5	μSec	Plot 6 (pg5)	0.545										Pass	
	T _{OFF,10%}			5		Plot 7 (pg5)	0.305										Pass	
Pulse Performance, FC= 2GHz, P _{OUT} = 2000W _{PEAK}	T _{RISE}			250	nSec	Record	60.4										Pass	
	T _{FALL}			250		Plot 8, 9, 10 & 11 (Pg5)	19.5										Pass	
Operating Voltage (Three phase 50/60Hz)	V _{AC}	180	208	260	Volt	Verify	v										Pass	
Power Consumption @ Standby	P _{SD}			800	VA	Record	0.75										Pass	
Quiescent Power Consumption	P _{DQ}			1800	VA	Record	1.56										Pass	
Power Consumption @ P _{OUT} = 2000W	P _D			10	kVA	Record	6.59	7.83	7.33	7.10	6.93	7.47	7.78	6.72	7.04	8.22	7.68	Pass
Efficiency	%						30.3	25.5	27.2	28.1	28.8	26.7	25.6	29.7	28.3	24.3	26.0	Pass
Input Overdrive -Shut down	P _{IOD}			10	dBm	Verify	v										Pass	
VSWR Back-Off	VSWR		2:1			Verify	v										Pass	
Thermal Overload - Shutdown	T _{OD}			95	°C	Verify	v (Verified by lowering the trip point below actual system operating temperature / 55°C)										Pass	

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