



PMI  
 QA3

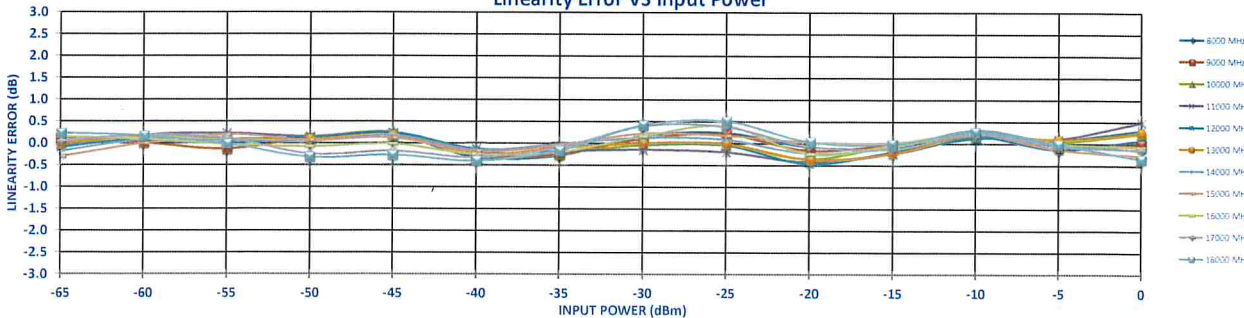
03  
 11-12-2020

DC Offset= 0.048

Frequency

			-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
8000 MHz	INTERCEPT (mV)	4796.5															Measured Value (mV)
	SLOPE (mV/dB)	69.19															Error (mV)
			299	648	990	1344	1695	2006	2355	2732	3083	3407	3751	4116	4441	4802	LINEARITY ERROR (dB)
			0	3	-1	7	12	-23	-20	11	16	-6	-8	11	-10	5	ACCURACY ERROR (dB)
			0.00	0.04	-0.01	0.10	0.18	-0.33	-0.29	0.16	0.24	-0.08	-0.11	0.16	-0.14	0.08	
			0.15	0.19	0.13	0.24	0.31	-0.19	-0.15	0.29	0.36	0.04	0.01	0.29	-0.02	0.20	
9000 MHz	INTERCEPT (mV)	4767.2															Measured Value (mV)
	SLOPE (mV/dB)	69.57															Error (mV)
			254	593	931	1296	1650	1965	2314	2687	3042	3364	3722	4088	4415	4766	LINEARITY ERROR (dB)
			9	0	-10	7	13	-19	-18	7	14	-12	-2	17	-4	-1	ACCURACY ERROR (dB)
			-0.13	0.00	-0.14	0.10	0.19	-0.28	-0.26	0.10	0.20	-0.17	-0.02	0.24	-0.06	-0.02	
			-0.50	-0.61	-0.72	-0.45	-0.34	-0.79	-0.74	-0.36	-0.23	-0.58	-0.41	-0.12	-0.39	-0.32	
10000 MHz	INTERCEPT (mV)	4765															Measured Value (mV)
	SLOPE (mV/dB)	68.92															Error (mV)
			284	637	979	1327	1681	1992	2339	2694	3039	3362	3728	4087	4423	4781	LINEARITY ERROR (dB)
			-1	7	4	8	17	-13	-14	-4	-3	-25	-3	11	3	15	ACCURACY ERROR (dB)
			-0.02	0.10	0.06	0.11	0.25	-0.24	-0.20	-0.05	-0.04	-0.36	-0.05	0.16	0.04	0.23	
			-0.07	0.03	-0.03	0.00	0.11	-0.40	-0.38	-0.26	-0.27	-0.61	-0.32	-0.13	-0.28	-0.11	
11000 MHz	INTERCEPT (mV)	4807.7															Measured Value (mV)
	SLOPE (mV/dB)	69.01															Error (mV)
			317	679	1027	1367	1718	2032	2379	2727	3068	3398	3756	4128	4470	4841	LINEARITY ERROR (dB)
			-5	12	15	10	16	-15	-13	-10	-14	-29	-16	10	7	33	ACCURACY ERROR (dB)
			-0.07	0.17	0.22	0.14	0.23	-0.22	-0.19	-0.15	-0.04	-0.43	-0.24	0.15	0.11	0.48	
			0.41	0.64	0.66	0.58	0.65	0.18	0.19	0.22	0.15	-0.09	0.09	0.46	0.40	0.76	
12000 MHz	INTERCEPT (mV)	4777															Measured Value (mV)
	SLOPE (mV/dB)	68.92															Error (mV)
			290	649	992	1339	1692	2011	2359	2708	3051	3366	3730	4096	4438	4798	LINEARITY ERROR (dB)
			-7	7	6	8	16	-9	-6	-1	-3	-33	-13	8	6	21	ACCURACY ERROR (dB)
			-0.10	0.11	0.08	0.12	0.24	-0.13	-0.08	-0.02	-0.04	-0.47	-0.19	0.12	0.08	0.30	
			0.02	0.20	0.16	0.17	0.27	-0.12	-0.09	-0.05	-0.10	-0.55	-0.29	0.00	-0.06	0.14	
13000 MHz	INTERCEPT (mV)	4823.9															Measured Value (mV)
	SLOPE (mV/dB)	69.79															Error (mV)
			286	646	991	1340	1695	2014	2373	2730	3078	3402	3761	4141	4481	4841	LINEARITY ERROR (dB)
			-1	10	6	6	12	-18	-8	0	-1	-26	-16	15	6	17	ACCURACY ERROR (dB)
			-0.02	0.14	0.08	0.08	0.17	-0.26	-0.12	0.00	-0.02	-0.37	-0.23	0.21	0.09	0.24	
			-0.04	0.16	0.14	0.19	0.31	-0.08	0.11	0.26	0.29	-0.03	0.16	0.65	0.56	0.76	
14000 MHz	INTERCEPT (mV)	4807.7															Measured Value (mV)
	SLOPE (mV/dB)	69.17															Error (mV)
			298	662	1007	1351	1707	2030	2385	2741	3084	3408	3764	4137	4462	4797	LINEARITY ERROR (dB)
			-13	5	4	2	12	-11	-2	9	6	-16	-6	21	0	-11	ACCURACY ERROR (dB)
			-0.19	0.07	0.06	0.03	0.18	-0.15	-0.02	0.12	0.08	-0.23	-0.09	0.30	0.00	-0.15	
			0.13	0.39	0.37	0.34	0.49	0.15	0.28	0.42	0.38	0.06	0.20	0.59	0.28	0.12	
15000 MHz	INTERCEPT (mV)	4842.6															Measured Value (mV)
	SLOPE (mV/dB)	68.61															Error (mV)
			361	725	1082	1416	1763	2085	2438	2799	3139	3472	3814	4172	4490	4823	LINEARITY ERROR (dB)
			-22	-1	13	4	8	-13	-3	15	12	2	1	16	-10	-20	ACCURACY ERROR (dB)
			-0.32	-0.02	0.19	0.06	0.11	-0.19	-0.05	0.21	0.17	0.02	0.01	0.23	-0.14	-0.29	
			1.04	1.30	1.46	1.28	1.30	0.95	1.05	1.26	1.17	0.98	0.92	1.09	0.69	0.50	
16000 MHz	INTERCEPT (mV)	4761.5															Measured Value (mV)
	SLOPE (mV/dB)	69.51															Error (mV)
			253	597	936	1280	1632	1963	2314	2687	3051	3354	3715	4082	4414	4756	LINEARITY ERROR (dB)
			10	6	-2	-6	-2	-18	-15	11	27	-17	-4	16	0	-5	ACCURACY ERROR (dB)
			0.14	0.09	-0.04	-0.09	-0.02	-0.26	-0.21	0.16	0.39	-0.25	-0.06	0.22	0.00	-0.08	
			-0.52	-0.55	-0.65	-0.68	-0.60	-0.82	-0.74	-0.36	-0.10	-0.72	-0.51	-0.21	-0.41	-0.47	
17000 MHz	INTERCEPT (mV)	4877.8															Measured Value (mV)
	SLOPE (mV/dB)	70.44															Error (mV)
			302	664	1011	1338	1695	2037	2405	2792	3143	3464	3812	4188	4521	4868	LINEARITY ERROR (dB)
			3	12	7	-18	-13	-23	-7	27	26	-5	-9	15	-5	-10	ACCURACY ERROR (dB)
			0.04	0.18	0.10	-0.25	-0.19	-0.33	-0.11	0.39	0.37	-0.07	-0.13	0.21	-0.07	-0.14	
			0.19	0.42	0.43	0.16	0.31	0.25	0.57	1.16	1.23	0.87	0.89	1.33	1.14	1.15	
18000 MHz	INTERCEPT (mV)	4871.2															Measured Value (mV)
	SLOPE (mV/dB)	71.08															Error (mV)
			267	618	960	1294	1653	1999	2371	2768	3130	3452	3804	4179	4514	4846	LINEARITY ERROR (dB)
			16	12	-2	-23	-20	-29	-12	29	36	2	-1	19	-2	-25	ACCURACY ERROR (dB)
			0.23	0.16	-0.02	-0.33	-0.28	-0.41	-0.17	0.41	0.50	0.03	-0.01	0.26	-0.03	-0.35	
			-0.31	-0.24	-0.30	-0.48	-0.29	-0.30	0.08	0.81	1.04	0.69	0.78	1.20	1.04	0.83	
Flatness		+/- dB	0.78	0.95	1.09	0.98	0.95	0.88	0.90	0.81	0.75	0.85	0.72	0.77	0.77	0.81	
	-65dBm mV-Out		361	Max	253	Min											

Linearity Error VS Input Power



Log Accuracy Error VS Input Power





PMI  
QA3

03  
11-12-2020

DC Offset= 0.046

Frequency

			-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
8000 MHz	INTERCEPT (mV)	4797.1															Measured Value (mV)
	SLOPE (mV/dB)	69.23															Error (mV)
			296	648	990	1342	1693	2004	2355	2733	3084	3407	3751	4116	4440	4803	LINEARITY ERROR (dB)
			-1	4	0	6	11	-24	-19	13	18	-6	-8	11	-11	6	ACCURACY ERROR (dB)
			-0.02	0.06	0.00	0.09	0.16	-0.35	-0.28	0.18	0.25	-0.08	-0.11	0.16	-0.16	0.09	
			-0.10	-0.02	-0.09	-0.01	0.06	-0.45	-0.39	0.07	0.13	-0.21	-0.24	0.03	-0.30	-0.06	
9000 MHz	INTERCEPT (mV)	4759.8															Measured Value (mV)
	SLOPE (mV/dB)	69.54															Error (mV)
			250	586	924	1290	1643	1959	2308	2680	3037	3359	3718	4082	4408	4754	LINEARITY ERROR (dB)
			10	-2	-11	7	12	-19	-18	6	16	-10	1	18	-4	-6	ACCURACY ERROR (dB)
			0.15	-0.02	-0.16	0.10	0.18	-0.28	-0.26	0.09	0.22	-0.14	0.02	0.25	-0.06	-0.08	
			-0.77	-0.92	-1.04	-0.76	-0.66	-1.10	-1.07	-0.70	-0.55	-0.90	-0.72	-0.46	-0.76	-0.77	
10000 MHz	INTERCEPT (mV)	4822.9															Measured Value (mV)
	SLOPE (mV/dB)	69.15															Error (mV)
			318	683	1032	1377	1728	2040	2392	2742	3083	3422	3778	4143	4479	4841	LINEARITY ERROR (dB)
			-15	9	12	12	17	-17	-11	-6	-11	-18	-8	12	2	18	ACCURACY ERROR (dB)
			-0.15	0.13	0.18	0.17	0.24	-0.25	-0.15	-0.09	-0.16	-0.26	-0.11	0.17	0.03	0.26	
			0.21	0.48	0.52	0.50	0.56	0.07	0.15	0.20	0.12	0.01	0.15	0.42	0.26	0.49	
11000 MHz	INTERCEPT (mV)	4843.9															Measured Value (mV)
	SLOPE (mV/dB)	69.15															Error (mV)
			348	704	1056	1400	1748	2064	2412	2754	3093	3430	3784	4164	4508	4885	LINEARITY ERROR (dB)
			-1	9	16	14	16	-14	-12	-15	-22	-31	-23	12	10	41	ACCURACY ERROR (dB)
			-0.01	0.13	0.22	0.20	0.23	-0.20	-0.17	-0.22	-0.32	-0.45	-0.33	0.17	0.14	0.59	
			0.65	0.78	0.86	0.83	0.85	0.41	0.43	0.37	0.26	0.13	0.23	0.72	0.68	1.12	
12000 MHz	INTERCEPT (mV)	4803.1															Measured Value (mV)
	SLOPE (mV/dB)	69.23															Error (mV)
			304	656	1000	1352	1705	2024	2373	2717	3059	3384	3746	4125	4467	4831	LINEARITY ERROR (dB)
			1	7	5	10	17	-10	-7	-9	-13	-34	-19	14	10	28	ACCURACY ERROR (dB)
			0.01	0.10	0.07	0.15	0.25	-0.14	-0.10	-0.13	-0.19	-0.50	-0.27	0.21	0.15	0.40	
			0.01	0.09	0.06	0.14	0.23	-0.17	-0.13	-0.16	-0.23	-0.54	-0.31	0.16	0.09	0.34	
13000 MHz	INTERCEPT (mV)	4795.8															Measured Value (mV)
	SLOPE (mV/dB)	69.79															Error (mV)
			271	616	956	1310	1665	1986	2341	2699	3051	3376	3738	4110	4452	4816	LINEARITY ERROR (dB)
			12	8	-1	4	10	-18	-12	-3	0	-24	-11	12	5	20	ACCURACY ERROR (dB)
			0.16	0.11	-0.02	0.05	0.14	-0.26	-0.17	-0.04	0.00	-0.34	-0.16	0.17	0.07	0.29	
			-0.46	-0.49	-0.58	-0.47	-0.35	-0.71	-0.59	-0.42	-0.34	-0.65	-0.43	-0.06	-0.13	0.13	
14000 MHz	INTERCEPT (mV)	4738.3															Measured Value (mV)
	SLOPE (mV/dB)	68.95															Error (mV)
			256	601	939	1291	1646	1971	2321	2678	3029	3340	3706	4062	4394	4728	LINEARITY ERROR (dB)
			0	0	-7	0	11	-9	-4	8	15	-19	2	13	0	-10	ACCURACY ERROR (dB)
			0.00	0.00	-0.10	0.01	0.15	-0.13	-0.06	0.12	0.21	-0.28	0.03	0.19	0.01	-0.15	
			-0.68	-0.70	-0.82	-0.74	-0.62	-0.93	-0.88	-0.73	-0.66	-1.17	-0.89	-0.75	-0.96	-1.14	
15000 MHz	INTERCEPT (mV)	4765.4															Measured Value (mV)
	SLOPE (mV/dB)	68.73															Error (mV)
			291	642	985	1332	1685	2003	2352	2710	3063	3380	3736	4095	4418	4752	LINEARITY ERROR (dB)
			-7	0	0	3	12	-13	-8	6	16	-11	2	17	-4	-13	ACCURACY ERROR (dB)
			-0.10	0.01	0.00	0.04	0.18	-0.19	-0.11	0.09	0.23	-0.16	0.02	0.25	-0.06	-0.20	
			-0.18	-0.11	-0.16	-0.15	-0.06	-0.47	-0.43	-0.27	-0.17	-0.60	-0.46	-0.28	-0.62	-0.80	
16000 MHz	INTERCEPT (mV)	4857.5															Measured Value (mV)
	SLOPE (mV/dB)	69.61															Error (mV)
			325	689	1039	1371	1723	2052	2412	2788	3136	3461	3806	4174	4502	4852	LINEARITY ERROR (dB)
			-8	8	10	-6	-2	-21	-9	19	19	-4	-7	13	-7	-5	ACCURACY ERROR (dB)
			-0.11	0.12	0.15	-0.08	-0.03	-0.30	-0.13	0.27	0.27	-0.06	-0.10	0.18	-0.11	-0.08	
			0.31	0.57	0.62	0.41	0.49	0.24	0.43	0.86	0.88	0.57	0.55	0.86	0.60	0.65	
17000 MHz	INTERCEPT (mV)	4874.9															Measured Value (mV)
	SLOPE (mV/dB)	70.50															Error (mV)
			297	657	1003	1334	1690	2032	2399	2786	3139	3459	3807	4183	4517	4869	LINEARITY ERROR (dB)
			4	12	5	-16	-13	-23	-8	26	27	-6	-10	13	-5	-6	ACCURACY ERROR (dB)
			0.06	0.17	0.08	-0.23	-0.18	-0.33	-0.12	0.37	0.38	-0.08	-0.15	0.19	-0.08	-0.08	
			-0.09	0.11	0.10	-0.12	0.01	-0.05	0.25	0.83	0.93	0.54	0.57	0.99	0.81	0.89	
18000 MHz	INTERCEPT (mV)	4852.2															Measured Value (mV)
	SLOPE (mV/dB)	71.12															Error (mV)
			253	596	937	1273	1632	1978	2347	2743	3111	3429	3784	4159	4495	4834	LINEARITY ERROR (dB)
			24	11	-4	-23	-20	-29	-16	24	37	-1	-1	18	-2	-18	ACCURACY ERROR (dB)
			0.33	0.15	-0.05	-0.33	-0.28	-0.41	-0.22	0.34	0.52	-0.01	-0.02	0.25	-0.02	-0.26	
			-0.72	-0.77	-0.85	-1.00	-0.82	-0.83	-0.50	0.21	0.92	0.11	0.23	0.65	0.50	0.39	
Flatness		+/- dB	0.71	0.85	0.95	0.92	0.84	0.76	0.75	0.79	0.79	0.87	0.73	0.87	0.89	1.13	
-65dBm mV-Out			348	Max													
			250	Min													

