



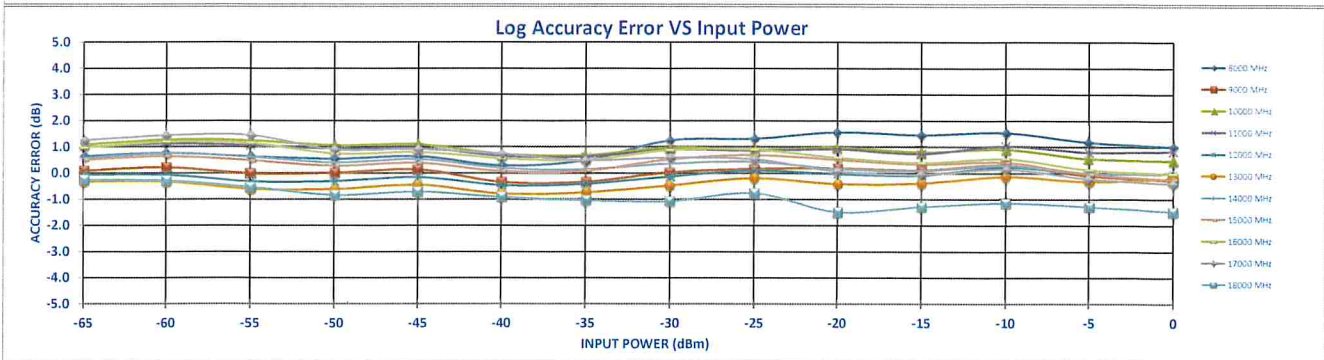
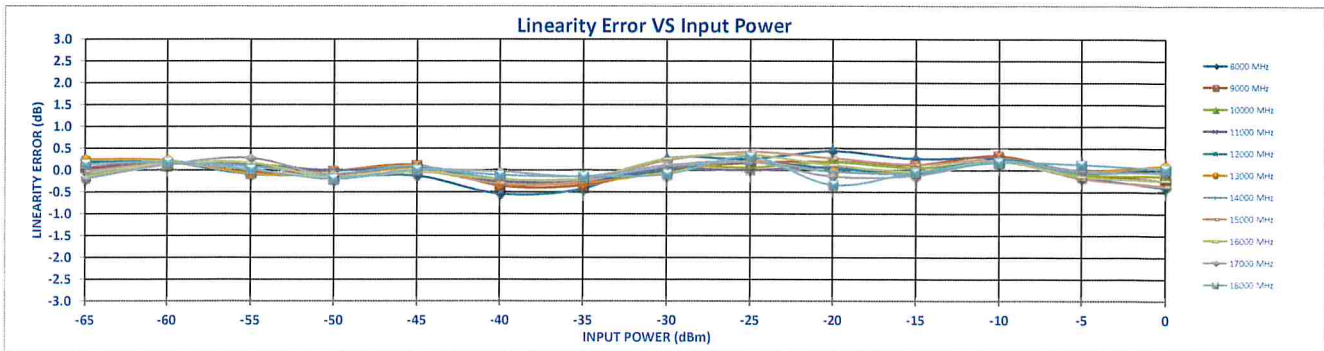
PMI
 QA3

03
 11-12-2020

DC Offset= 0.031

Frequency

		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
8000 MHz	INTERCEPT (mV)	325 685 1027 1372 1730 2057 2422 2827 3183 3552 3896 4253 4579 4918														Measured Value (mV)
	SLOPE (mV/dB)	11 14 0 -11 -10 -39 -30 18 18 31 18 19 -11 -29														Error (mV)
		0.15 0.20 0.00 -0.16 -0.13 -0.55 -0.42 0.26 0.25 0.43 0.26 0.27 -0.16 -0.40														LINEARITY ERROR (dB)
		0.64 0.76 0.63 0.54 0.63 0.29 0.48 1.24 1.31 1.56 1.45 1.53 1.17 1.00														ACCURACY ERROR (dB)
9000 MHz	INTERCEPT (mV)	286 646 981 1334 1694 2012 2364 2741 3102 3455 3801 4166 4489 4828														Measured Value (mV)
	SLOPE (mV/dB)	3 12 -4 -2 7 -26 -25 1 11 13 8 22 -6 -18														Error (mV)
		0.05 0.18 -0.05 -0.02 0.10 -0.37 -0.35 0.02 0.16 0.19 0.12 0.32 -0.08 -0.25														LINEARITY ERROR (dB)
		0.09 0.21 -0.02 0.00 0.12 -0.35 -0.35 0.02 0.16 0.18 0.10 0.30 -0.11 -0.28														ACCURACY ERROR (dB)
10000 MHz	INTERCEPT (mV)	356 721 1070 1408 1762 2088 2436 2808 3154 3511 3850 4208 4535 4881														Measured Value (mV)
	SLOPE (mV/dB)	-8 5 9 -1 5 -17 -18 5 4 13 4 12 -8 -10														Error (mV)
		-0.12 0.12 0.13 -0.01 0.07 -0.25 -0.25 0.09 0.06 0.18 0.05 0.19 -0.11 -0.14														LINEARITY ERROR (dB)
		1.08 1.28 1.24 1.05 1.09 0.73 0.68 0.97 0.90 0.98 0.80 0.89 0.55 0.47														ACCURACY ERROR (dB)
11000 MHz	INTERCEPT (mV)	350 710 1057 1399 1753 2082 2432 2802 3151 3506 3845 4217 4552 4906														Measured Value (mV)
	SLOPE (mV/dB)	1 11 8 -1 3 -18 -19 1 0 4 -7 15 -1 3														Error (mV)
		0.02 0.16 0.11 -0.01 0.04 -0.26 -0.27 0.01 0.00 0.06 -0.10 0.21 -0.01 0.04														LINEARITY ERROR (dB)
		1.00 1.12 1.06 0.92 0.96 0.64 0.62 0.89 0.85 0.91 0.73 1.02 0.79 0.83														ACCURACY ERROR (dB)
12000 MHz	INTERCEPT (mV)	276 626 960 1312 1674 2004 2359 2730 3098 3440 3788 4161 4495 4846														Measured Value (mV)
	SLOPE (mV/dB)	15 12 -7 -8 1 -22 -19 -1 14 3 -2 18 -1 -3														Error (mV)
		0.22 0.17 -0.09 -0.11 0.02 -0.30 -0.25 0.09 0.06 0.18 0.05 0.25 -0.02 -0.04														LINEARITY ERROR (dB)
		-0.06 -0.08 -0.32 -0.31 -0.16 -0.47 -0.42 -0.14 0.10 -0.03 -0.08 0.23 -0.02 -0.03														ACCURACY ERROR (dB)
13000 MHz	INTERCEPT (mV)	257 608 940 1290 1653 1981 2336 2706 3077 3413 3766 4135 4473 4833														Measured Value (mV)
	SLOPE (mV/dB)	17 15 -6 -8 2 -23 -21 -4 14 -3 -2 14 -1 6														Error (mV)
		0.24 0.22 -0.08 -0.12 0.02 -0.33 -0.30 -0.05 0.20 -0.04 -0.03 0.19 -0.02 0.09														LINEARITY ERROR (dB)
		-0.33 -0.33 -0.61 -0.63 -0.46 -0.80 -0.74 -0.48 -0.20 -0.42 -0.40 -0.14 -0.33 -0.21														ACCURACY ERROR (dB)
14000 MHz	INTERCEPT (mV)	320 684 1026 1362 1722 2050 2398 2765 3121 3454 3800 4165 4496 4846														Measured Value (mV)
	SLOPE (mV/dB)	-5 11 6 -6 6 -14 -14 5 13 -2 -4 13 -4 -2														Error (mV)
		-0.07 0.17 0.08 -0.09 0.08 -0.21 -0.21 0.07 0.18 -0.03 -0.06 0.18 -0.06 -0.03														LINEARITY ERROR (dB)
		0.57 0.75 0.62 0.40 0.52 0.19 0.14 0.36 0.43 0.17 0.09 0.28 -0.01 -0.03														ACCURACY ERROR (dB)
15000 MHz	INTERCEPT (mV)	315 676 1016 1353 1712 2041 2394 2776 3139 3478 3817 4173 4493 4830														Measured Value (mV)
	SLOPE (mV/dB)	-2 10 0 -12 -2 -22 -18 15 29 19 8 15 -14 -26														Error (mV)
		-0.03 0.14 0.01 -0.17 -0.03 -0.31 -0.26 0.21 0.41 0.27 0.12 0.22 -0.20 -0.37														LINEARITY ERROR (dB)
		0.50 0.63 0.47 0.27 0.38 0.06 0.08 0.52 0.68 0.51 0.33 0.40 -0.05 -0.25														ACCURACY ERROR (dB)
16000 MHz	INTERCEPT (mV)	348 715 1063 1386 1741 2076 2423 2801 3154 3484 3821 4183 4505 4845														Measured Value (mV)
	SLOPE (mV/dB)	-11 10 11 -12 -3 -15 -14 17 24 8 -2 14 -10 -17														Error (mV)
		-0.16 0.14 0.16 -0.17 -0.05 -0.21 -0.20 0.25 0.35 0.11 -0.02 0.20 -0.15 -0.24														LINEARITY ERROR (dB)
		0.97 1.19 1.14 0.74 0.79 0.56 0.49 0.87 0.90 0.59 0.39 0.54 0.12 -0.04														ACCURACY ERROR (dB)
17000 MHz	INTERCEPT (mV)	368 732 1084 1397 1749 2088 2422 2781 3128 3447 3790 4155 4481 4819														Measured Value (mV)
	SLOPE (mV/dB)	-14 8 19 -10 0 -2 -10 7 13 -10 -9 15 -1 -5														Error (mV)
		-0.21 0.12 0.27 -0.15 0.00 -0.04 -0.15 0.18 0.18 -0.15 -0.13 0.21 -0.02 -0.07														LINEARITY ERROR (dB)
		1.25 1.43 1.44 0.89 0.90 0.73 0.48 0.59 0.53 0.07 -0.05 0.14 -0.22 -0.41														ACCURACY ERROR (dB)
18000 MHz	INTERCEPT (mV)	262 611 945 1275 1635 1972 2315 2664 3037 3338 3703 4064 4406 4744														Measured Value (mV)
	SLOPE (mV/dB)	9 13 1 -14 0 -8 -10 -7 21 -23 -4 12 9 1														Error (mV)
		0.13 0.18 0.02 -0.21 0.01 -0.11 -0.15 -0.10 0.30 -0.34 -0.05 0.17 0.12 0.02														LINEARITY ERROR (dB)
		-0.26 -0.29 -0.54 -0.84 -0.72 -0.92 -1.04 -1.08 -0.77 -1.49 -1.29 -1.15 -1.29 -1.48														ACCURACY ERROR (dB)
Flatness	+/- dB	0.79 0.88 1.02 0.95 0.90 0.83 0.86 1.16 1.04 1.52 1.37 1.34 1.23 1.24														
-65dBm mV-Out		368 Max 257 Min														





PMI
 QA3

ag
 11-12-2020

DC Offset= 0.050

Frequency		-65	-60	-55	-50	-45	-40	-35	-30	-25	-20	-15	-10	-5	0	RF Input Power (dBm)
8000 MHz	INTERCEPT (mV)	4898.5														Measured Value (mV)
	SLOPE (mV/dB)	72.68														Error (mV)
		233	554	885	1243	1602	1936	2299	2722	3119	3488	3834	4199	4524	4872	LINEARITY ERROR (dB)
		59	16	-16	-22	-26	-55	-56	4	37	43	26	27	-11	-26	ACCURACY ERROR (dB)
		0.81	0.22	-0.22	-0.30	-0.36	-0.76	-0.77	0.05	0.52	0.59	0.35	0.38	-0.15	-0.36	
		0.18	-0.32	-0.67	-0.65	-0.62	-0.93	-0.84	0.09	0.66	0.83	0.68	0.80	0.36	0.24	
9000 MHz	INTERCEPT (mV)	4855.3														Measured Value (mV)
	SLOPE (mV/dB)	70.97														Error (mV)
		265	612	942	1299	1659	1979	2336	2728	3104	3456	3801	4169	4494	4838	LINEARITY ERROR (dB)
		23	15	-10	-8	-3	-37	-35	2	23	20	10	23	-6	-17	ACCURACY ERROR (dB)
		0.32	0.21	-0.14	-0.11	-0.04	-0.53	-0.50	0.03	0.32	0.28	0.14	0.33	-0.09	-0.24	
		0.63	0.50	0.13	0.13	0.18	-0.33	-0.32	0.17	0.45	0.38	0.22	0.38	-0.06	-0.24	
10000 MHz	INTERCEPT (mV)	4872.1														Measured Value (mV)
	SLOPE (mV/dB)	70.39														Error (mV)
		305	667	1001	1341	1702	2025	2380	2769	3132	3481	3824	4182	4511	4862	LINEARITY ERROR (dB)
		8	13	0	-12	-3	-31	-25	9	20	17	8	13	-9	-19	ACCURACY ERROR (dB)
		0.12	0.26	0.01	-0.16	-0.04	-0.45	-0.40	0.12	0.28	0.24	0.11	0.20	-0.13	-0.14	
		1.19	1.27	0.95	0.72	0.78	0.31	0.29	0.75	0.84	0.73	0.54	0.56	0.18	0.10	
11000 MHz	INTERCEPT (mV)	4874.2														Measured Value (mV)
	SLOPE (mV/dB)	70.84														Error (mV)
		293	644	976	1320	1682	2006	2361	2748	3120	3470	3814	4181	4516	4877	LINEARITY ERROR (dB)
		23	20	-2	-12	-5	-35	-34	-1	17	13	2	15	-4	3	ACCURACY ERROR (dB)
		0.33	0.28	-0.03	-0.17	-0.06	-0.49	-0.48	-0.02	0.24	0.18	0.03	0.21	-0.06	0.04	
		1.02	0.95	0.60	0.43	0.50	0.05	0.03	0.45	0.67	0.58	0.40	0.55	0.25	0.31	
12000 MHz	INTERCEPT (mV)	4805.8														Measured Value (mV)
	SLOPE (mV/dB)	71.41														Error (mV)
		216	532	864	1216	1572	1914	2268	2660	3056	3391	3747	4108	4445	4800	LINEARITY ERROR (dB)
		52	11	-14	-19	-20	-35	-38	-3	35	13	12	16	-4	-6	ACCURACY ERROR (dB)
		0.73	0.15	-0.20	-0.27	-0.28	-0.49	-0.54	-0.05	0.50	0.19	0.17	0.23	-0.05	-0.08	
		-0.06	-0.62	-0.97	-1.03	-1.04	-1.24	-1.28	-0.78	-0.23	-0.53	-0.54	-0.47	-0.75	-0.77	
13000 MHz	INTERCEPT (mV)	4802.2														Measured Value (mV)
	SLOPE (mV/dB)	71.48														Error (mV)
		210	526	859	1213	1569	1909	2262	2644	3040	3374	3735	4108	4449	4808	LINEARITY ERROR (dB)
		54	13	-12	-15	-16	-34	-38	-14	25	1	5	21	4	6	ACCURACY ERROR (dB)
		0.76	0.18	-0.16	-0.21	-0.23	-0.47	-0.54	-0.19	0.35	0.02	0.07	0.29	0.06	0.08	
		-0.14	-0.71	-1.04	-1.07	-1.08	-1.31	-1.36	-1.01	-0.45	-0.77	-0.70	-0.47	-0.69	-0.66	
14000 MHz	INTERCEPT (mV)	4910.3														Measured Value (mV)
	SLOPE (mV/dB)	71.37														Error (mV)
		287	651	983	1326	1688	2020	2384	2780	3153	3501	3841	4211	4546	4902	LINEARITY ERROR (dB)
		15	23	-2	-16	-11	-36	-29	11	27	18	1	14	-7	-8	ACCURACY ERROR (dB)
		0.22	0.32	-0.03	-0.22	-0.15	-0.50	-0.40	0.15	0.38	0.25	0.02	0.20	-0.10	-0.12	
		0.94	1.04	0.70	0.51	0.59	0.24	0.35	0.90	1.13	1.01	0.78	0.97	0.67	0.66	
15000 MHz	INTERCEPT (mV)	4792.5														Measured Value (mV)
	SLOPE (mV/dB)	71.02														Error (mV)
		223	541	871	1221	1576	1917	2267	2659	3062	3395	3748	4103	4428	4770	LINEARITY ERROR (dB)
		47	10	-15	-21	-21	-35	-40	-3	45	23	21	21	-9	-22	ACCURACY ERROR (dB)
		0.66	0.14	-0.22	-0.29	-0.29	-0.49	-0.56	-0.04	0.63	0.32	0.29	0.29	-0.13	-0.32	
		0.04	-0.50	-0.87	-0.96	-0.98	-1.20	-1.29	-0.80	-0.14	-0.47	-0.52	-0.54	-0.99	-1.19	
16000 MHz	INTERCEPT (mV)	4851.5														Measured Value (mV)
	SLOPE (mV/dB)	70.39														Error (mV)
		289	646	977	1311	1670	2004	2361	2755	3135	3463	3803	4164	4486	4829	LINEARITY ERROR (dB)
		13	18	-3	-21	-14	-32	-27	15	43	19	7	16	-14	-22	ACCURACY ERROR (dB)
		0.18	0.26	-0.04	-0.30	-0.20	-0.45	-0.38	0.22	0.61	0.27	0.10	0.23	-0.19	-0.32	
		0.97	0.97	0.62	0.30	0.34	0.02	0.03	0.55	0.88	0.48	0.25	0.31	-0.17	-0.36	
17000 MHz	INTERCEPT (mV)	4851.1														Measured Value (mV)
	SLOPE (mV/dB)	69.79														Error (mV)
		320	684	1019	1339	1697	2036	2387	2771	3140	3461	3802	4167	4495	4841	LINEARITY ERROR (dB)
		6	21	7	-22	-13	-23	-21	14	34	6	-2	14	-7	-10	ACCURACY ERROR (dB)
		0.08	0.29	0.09	-0.32	-0.19	-0.33	-0.31	0.20	0.48	0.08	-0.03	0.20	-0.10	-0.14	
		1.40	1.51	1.21	0.69	0.71	0.47	0.39	0.78	0.95	0.45	0.23	0.35	-0.05	-0.19	
18000 MHz	INTERCEPT (mV)	4783.6														Measured Value (mV)
	SLOPE (mV/dB)	70.62														Error (mV)
		237	564	898	1228	1583	1929	2278	2657	3051	3366	3730	4097	4438	4781	LINEARITY ERROR (dB)
		44	18	-1	-25	-23	-30	-34	-9	33	-5	6	20	9	-3	ACCURACY ERROR (dB)
		0.62	0.25	-0.02	-0.35	-0.32	-0.42	-0.48	-0.11	0.47	-0.07	0.08	0.28	0.12	-0.04	
		0.24	-0.18	-0.49	-0.86	-0.89	-1.03	-1.14	-0.82	-0.30	-0.88	-0.78	-0.63	-0.83	-1.04	
Flatness	+/- dB	0.77	1.11	1.12	0.90	0.93	0.89	0.88	0.95	0.79	0.95	0.78	0.80	0.83	0.93	
-65dBm mV-Out		320	Max	210	Min											

