

RF Source			<700 MA				PWR		HF PLL	HF PLL	1 PPSIN	V_VXCO	V_VXCO		S1	S2	S3	S4	S5	S6	S7	S8	S9	TP1	TP1	TP5	TP5	TP8	TP8	TP3	TP3	TP5	TP5	TP4	TP4	TP5
Serial	Frequency	TECHNICIAN INITIALS	12V CURRENT	PASS / FAIL	12V	PASS / FAIL	LED ON YES/NO	JTAG OK	TP2 VOLT OPEN	TP2 VOLT CONN	LED BLINK YES/NO	OPEN VOLTS	CONN VOLTS	YES / NO	S1 DESC FAIL P/F	S2 DESC FAIL P/F	S3 DESC FAIL P/F	S4 DESC FAIL P/F	S5 DESC FAIL P/F	S6 DESC FAIL P/F	S7 DESC FAIL P/F	S8 DESC FAIL P/F	S9 DESC FAIL P/F	TP1 +12V VOLTS	TP1 +12V P/F	TP5 +24V VOLTS	TP5 +24V P/F	TP8 -24V VOLTS	TP8 -24V P/F	TP3 +18V VOLTS	TP3 +18V P/F	TP5 -18V VOLTS	TP5 -18V P/F	TP4 +10V VOLTS	TP4 +10V P/F	TP5 +5V VOLTS
S1000543	21.500000	CC	340	PASS	12.12	PASS	YES	YES	0	4.63	YES	0.004	4.63	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.12	PASS	24.06	PASS	-24.07	PASS	18.24	PASS	-17.99	PASS	9.92	PASS	5.18
S1000544	21.500000	CC	350	PASS	12.06	PASS	YES	YES	0	4.69	YES	0.004	4.68	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.10	PASS	24.05	PASS	-24.07	PASS	18.29	PASS	-17.87	PASS	9.96	PASS	5.19
S1000545	21.500000	CC	350	PASS	12.12	PASS	YES	YES	0	4.66	YES	0.003	4.65	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.12	PASS	24.05	PASS	-24.07	PASS	18.31	PASS	-18.39	PASS	9.92	PASS	5.19
S1000546	21.500000	CC	350	PASS	12.12	PASS	YES	YES	0	4.62	YES	0.003	4.62	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.12	PASS	24.05	PASS	-24.07	PASS	18.27	PASS	-18.35	PASS	9.94	PASS	5.18
S1000547	21.500000	CC	340	PASS	12.12	PASS	YES	YES	0	4.63	YES	0.004	4.63	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.12	PASS	24.05	PASS	-24.07	PASS	18.25	PASS	-18.39	PASS	9.94	PASS	5.18
S1000573	22.993090	CC	340	PASS	12.18	PASS	YES	YES	0	4.60	YES	0.004	4.60	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.18	PASS	24.05	PASS	-24.07	PASS	18.31	PASS	-18.39	PASS	9.93	PASS	5.19
S1000574	22.993090	CC	350	PASS	12.15	PASS	YES	YES	0	4.85	YES	0.004	4.85	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.15	PASS	24.06	PASS	-24.07	PASS	18.21	PASS	-17.67	PASS	9.85	PASS	5.21
S1000569	24.078360	CC	340	PASS	12.17	PASS	YES	YES	0	4.68	YES	0.001	4.68	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.17	PASS	24.05	PASS	-24.07	PASS	18.21	PASS	-18.35	PASS	9.95	PASS	5.16
S1000570	24.078360	CC	340	PASS	12.10	PASS	YES	YES	0	4.70	YES	0.003	4.69	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.10	PASS	24.06	PASS	-24.07	PASS	18.26	PASS	-18.46	PASS	9.94	PASS	5.20
S1000571	24.078360	CC	340	PASS	12.18	PASS	YES	YES	0	4.66	YES	0.001	4.65	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.18	PASS	24.05	PASS	-24.07	PASS	18.25	PASS	-18.66	PASS	9.96	PASS	5.18
S1000572	24.078360	CC	340	PASS	12.14	PASS	YES	YES	0.001	4.70	YES	0.003	4.69	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.13	PASS	24.05	PASS	-24.07	PASS	18.25	PASS	-18.45	PASS	9.93	PASS	5.17
S1000575	24.407079	CC	350	PASS	12.10	PASS	YES	YES	0	4.66	YES	0.003	4.66	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.10	PASS	24.05	PASS	-24.07	PASS	18.29	PASS	-18.29	PASS	9.89	PASS	5.18
S1000576	24.407079	CC	350	PASS	12.07	PASS	YES	YES	0.001	4.69	YES	0.003	4.69	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.07	PASS	24.05	PASS	-24.07	PASS	18.30	PASS	-18.09	PASS	9.94	PASS	5.20
S1000577	24.407079	CC	340	PASS	12.15	PASS	YES	YES	0	4.61	YES	0.001	4.61	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.15	PASS	24.05	PASS	-24.07	PASS	18.27	PASS	-18.53	PASS	9.96	PASS	5.15
S1000578	24.407079	CC	350	PASS	12.15	PASS	YES	YES	0	4.80	YES	0.003	4.80	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.15	PASS	24.05	PASS	-24.07	PASS	18.20	PASS	-18.48	PASS	9.93	PASS	5.20
S1000581	24.440707	CC	330	PASS	12.20	PASS	YES	YES	0	4.72	YES	0.004	4.72	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.20	PASS	24.05	PASS	-24.07	PASS	18.28	PASS	-18.35	PASS	9.88	PASS	5.16
S1000582	24.440707	CC	330	PASS	12.16	PASS	YES	YES	0.001	4.77	YES	0.003	4.77	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.16	PASS	24.05	PASS	-24.07	PASS	18.23	PASS	-18.26	PASS	9.88	PASS	5.16
S1000583	24.440707	CC	340	PASS	12.17	PASS	YES	YES	0	4.68	YES	0.003	4.68	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.17	PASS	24.06	PASS	-24.07	PASS	18.32	PASS	-18.33	PASS	9.95	PASS	5.16
S1000584	24.440707	CC	360	PASS	12.16	PASS	YES	YES	0	4.67	YES	0.001	4.67	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.16	PASS	24.05	PASS	-24.07	PASS	18.22	PASS	-18.48	PASS	9.90	PASS	5.18
S1000585	24.482125	CC	340	PASS	12.13	PASS	YES	YES	0	4.71	YES	0.004	4.71	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.13	PASS	24.05	PASS	-24.07	PASS	18.28	PASS	-18.30	PASS	9.89	PASS	5.17
S1000586	24.482125	CC	350	PASS	12.17	PASS	YES	YES	0.002	4.71	YES	0.003	4.71	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.17	PASS	24.05	PASS	-24.07	PASS	18.25	PASS	-18.45	PASS	9.95	PASS	5.17
S1000579	24.515730	CC	320	PASS	12.17	PASS	YES	YES	0	4.68	YES	0.003	4.68	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.17	PASS	24.05	PASS	-24.07	PASS	18.24	PASS	-17.74	PASS	9.90	PASS	5.18
S1000580	24.515730	CC	340	PASS	12.16	PASS	YES	YES	0	4.61	YES	0.003	4.60	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.16	PASS	24.05	PASS	-24.07	PASS	18.75	PASS	-18.47	PASS	9.96	PASS	5.17
S1000548	35.500000	CC	520	PASS	12.15	PASS	YES	YES	0	4.79	YES	0.001	4.79	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.15	PASS	24.05	PASS	-24.07	PASS	18.27	PASS	-18.38	PASS	9.91	PASS	5.18
S1000549	35.500000	CC	340	PASS	12.20	PASS	YES	YES	0	4.63	YES	0.003	4.63	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.20	PASS	24.05	PASS	-24.07	PASS	18.26	PASS	-18.55	PASS	9.93	PASS	5.20
S1000550	35.500000	CC	350	PASS	12.20	PASS	YES	YES	0	4.61	YES	0.003	4.61	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.20	PASS	24.05	PASS	-24.07	PASS	18.32	PASS	-18.45	PASS	9.92	PASS	5.16
S1000551	35.500000	CC	350	PASS	12.12	PASS	YES	YES	0	4.75	YES	0.003	4.74	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.12	PASS	24.05	PASS	-24.07	PASS	18.20	PASS	-18.31	PASS	9.89	PASS	5.18
S1000552	35.500000	CC	360	PASS	12.12	PASS	YES	YES	0	4.70	YES	0.005	4.70	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.12	PASS	24.05	PASS	-24.07	PASS	18.23	PASS	-18.18	PASS	9.91	PASS	5.16
S1000587	35.500000	CC	340	PASS	12.22	PASS	YES	YES	0	4.69	YES	0.001	4.68	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.22	PASS	24.05	PASS	-24.07	PASS	18.25	PASS	18.39	PASS	9.96	PASS	5.20
S1000553	71.000000	CC	410	PASS	11.98	PASS	YES	YES	0.001	4.66	YES	0.004	4.66	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.00	PASS	24.05	PASS	-24.07	PASS	18.31	PASS	-18.48	PASS	9.91	PASS	5.18
S1000554	71.000000	CC	280	PASS	12.03	PASS	YES	YES	0.001	4.67	YES	0.004	4.63	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.01	PASS	24.05	PASS	-24.07	PASS	18.23	PASS	-18.05	PASS	9.93	PASS	5.15
S1000555	71.000000	CC	400	PASS	12.01	PASS	YES	YES	0	4.70	YES	0.003	4.71	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.01	PASS	24.05	PASS	-24.07	PASS	18.23	PASS	-18.39	PASS	9.88	PASS	5.17
S1000556	71.000000	CC	360	PASS	11.89	PASS	YES	YES	0	4.71	YES	0.003	4.71	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	11.89	PASS	24.05	PASS	-24.07	PASS	18.29	PASS	-18.18	PASS	9.93	PASS	5.20
S1000557	71.000000	CC	410	PASS	11.98	PASS	YES	YES	0	4.70	YES	0.003	4.70	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.00	PASS	24.05	PASS	-24.07	PASS	18.26	PASS	-18.41	PASS	9.88	PASS	5.20
S1000558	71.000000	CC	410	PASS	11.98	PASS	YES	YES	0	4.58	YES	0.004	4.58	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.00	PASS	24.05	PASS	-24.07	PASS	18.27	PASS	-18.18	PASS	9.94	PASS	5.16
S1000559	71.000000	CC	410	PASS	12.20	PASS	YES	YES	0	4.76	YES	0.004	4.76	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.20	PASS	24.05	PASS	-24.07	PASS	18.27	PASS	-18.34	PASS	9.95	PASS	5.16
S1000560	71.000000	CC	410	PASS	12.01	PASS	YES	YES	0	4.61	YES	0.003	4.61	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.01	PASS	24.05	PASS	-24.07	PASS	18.27	PASS	-17.97	PASS	9.94	PASS	5.18
S1000561	71.000000	CC	410	PASS	12.17	PASS	YES	YES	0	4.70	YES	0.005	4.70	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.19	PASS	24.06	PASS	-24.07	PASS	18.25	PASS	-18.23	PASS	9.94	PASS	5.16
S1000562	71.000000	CC	350	PASS	12.20	PASS	YES	YES	0	4.62	YES	0.004	4.62	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.20	PASS	24.05	PASS	-24.07	PASS	18.27	PASS	-18.0	PASS	9.87	PASS	5.18
S1000563	71.000000	CC	410	PASS	12.19	PASS	YES	YES	0	4.58	YES	0.004	4.58	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.19	PASS	24.05	PASS	-24.07	PASS	18.26	PASS	-17.99	PASS	9.92	PASS	5.18
S1000588	71.000000	CC	410	PASS	12.68	PASS	YES	YES	0	4.52	YES	0.004	4.52	YES	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	12.20	PASS	24.06	PASS	-24.07	PASS	18.29	PASS	-18.51	PASS	9.90	PASS	5.20
S1000589	71.000000	CC	400	PASS	12.20	PASS																														

		TP5	VOLTS JAM ON	MHZ JAM ON	P/F JAM ON	VOLTS JAM ON	MHZ JAM ON	P/F JAM ON	VOLTS JAM ON	MHZ JAM ON	P/F JAM ON	TP7	TP7	DS3 LED	DS2 LED	V_OCXO	V_OCXO	LOCKED BNC	LOCKED BNC	UNLCKD BNC	UNLCKD BNC	NOISE ANALYSIS														
Serial	Frequency		+5V	HI ON	HI ON	LO ON	LO ON	LO ON	MID ON	MID ON	MID ON	+ 5V	+ 5V	BLINKS	BLINKS	VOLTS	VOLTS	TTL LEVEL	TTL LEVEL	TTL LEVEL	TTL LEVEL	DS3 LED	DS2 LED	RF OUT	RF OUT	100 DBC		130DBC		155DBC		165DBC				
	P/F	TP7	TP7	TP7	TP7	TP7	TP7	TP7	TP7	TP7	VOLTS	P/F	YES/NO	YES/NO	CALC	P/F	VOLTS	P/F	VOLTS	P/F	YES/NO	YES/NO	DBM	P/F	DBC/HZ	P/F	DBC/HZ	P/F	DBC/HZ	P/F	DBC/HZ	P/F				
S1000543	21.500000	PASS	9.85	1209	PASS	0.049	-1188	PASS	5.02	660	PASS	2.754	PASS	YES	NO	2.72	PASS	3.29	PASS	0	PASS	NO	YES	13.22	PASS	-120.6	PASS	-131.1	PASS	-150.8	PASS	-156.5	PASS	367,368	369,370,	371,372,373,374
S1000544	21.500000	PASS	9.89	1174	PASS	0.047	-1583	PASS	5.03	582	PASS	3.155	PASS	YES	NO	3.124	PASS	3.30	PASS	0	PASS	NO	YES	11.94	PASS	-114.7	PASS	-130.4	PASS	-150.1	PASS	-156.7	PASS			
S1000545	21.500000	PASS	9.85	1205	PASS	0.046	-1221	PASS	5.02	616	PASS	2.910	PASS	YES	NO	2.882	PASS	3.30	PASS	0	PASS	NO	YES	12.98	PASS	-118.4	PASS	-130.5	PASS	-150.3	PASS	-156.3	PASS			
S1000546	21.500000	PASS	9.87	1233	PASS	0.048	-1246	PASS	5.02	675	PASS	2.764	PASS	YES	NO	2.734	PASS	3.30	PASS	0	PASS	NO	YES	12.31	PASS	-121.4	PASS	-130.8	PASS	-150.6	PASS	-156.4	PASS	391,392,	393,394	395,396,397,398
S1000547	21.500000	PASS	9.87	1151	PASS	0.046	-1184	PASS	5.02	598	PASS	2.922	PASS	YES	NO	2.894	PASS	3.30	PASS	0	PASS	NO	YES	13.18	PASS	-119.0	PASS	-130.2	PASS	-151.0	PASS	-156.9	PASS	399,400,	401,402,	406,407,408,409
S1000573	22.993090	PASS	9.86	1107	PASS	0.05	-1033	PASS	5.02	572	PASS	2.580	PASS	YES	NO	2.548	PASS	3.30	PASS	0	PASS	NO	YES	12.99	PASS	-123.4	PASS	-130.7	PASS	-146.4	FAIL	-156.0	PASS	427,428,	429,430,	431,432,433,434
S1000574	22.993090	PASS	9.78	1076	PASS	0.049	-1528	PASS	5.03	515	PASS	3.25	PASS	YES	NO	3.220	PASS	3.30	PASS	0	PASS	NO	YES	12.95	PASS	-120.9	PASS	-128.5	FAIL	-148.4	FAIL	-156.4	PASS	435,436,	437,438,	439,440,441,442
S1000569	24.078360	PASS	9.88	1185	PASS	0.046	-1284	PASS	5.02	659	PASS	2.889	PASS	YES	NO	2.857	PASS	3.30	PASS	0	PASS	NO	YES	13.10	PASS	-108.1	FAIL	-126.8	FAIL	-149.6	FAIL	-156.0	PASS	512,513,	514,515,	516,517,518,519
S1000570	24.078360	PASS	9.87	1179	PASS	0.049	-1214	PASS	5.02	650	PASS	2.853	PASS	YES	NO	2.822	PASS	3.31	PASS	0	PASS	NO	YES	13.11	PASS	-119.0	PASS	-131.1	PASS	-147.7	FAIL	-156.5	PASS	410,411,	412,413	414,415,416,417
S1000571	24.078360	PASS	9.9	1140	PASS	0.046	-1942	PASS	5.02	525	PASS	3.40	PASS	YES	NO	3.37	PASS	3.29	PASS	0	PASS	NO	YES	13.08	PASS	-115.0	PASS	-129.2	FAIL	-149.6	FAIL	-156.6	PASS	502,503,	504,505,	506,508,509,510
S1000572	24.078360	PASS	9.89	1036	PASS	0.047	-852	PASS	5.02	583	PASS	2.400	PASS	YES	NO	2.372	PASS	3.29	PASS	0	PASS	NO	YES	13.13	PASS	-113.5	PASS	-129.0	FAIL	-146.0	FAIL	-156	PASS	418,419,	421,422,	423,424,425,426
S1000575	24.407079	PASS	9.82	1267	PASS	0.048	-1201	PASS	5.02	634	PASS	2.865	PASS	YES	NO	2.839	PASS	3.30	PASS	0	PASS	NO	YES	12.92	PASS	-117.0	PASS	-131.2	PASS	-150.3	PASS	-156.8	PASS	451,452,	453,454,	455,456,457,458
S1000576	24.407079	PASS	9.87	1195	PASS	0.046	-779	PASS	5.03	700	PASS	2.298	PASS	YES	NO	2.269	PASS	3.30	PASS	0	PASS	NO	YES	13.00	PASS	-116.8	PASS	-131.8	PASS	-150.7	PASS	-156.7	PASS	433,444,	445,446,	447,448,449,450
S1000577	24.407079	PASS	9.89	1239	PASS	0.047	-1144	PASS	5.02	801	PASS	2.603	PASS	YES	NO	2.575	PASS	3.30	PASS	0	PASS	NO	YES	13.02	PASS	-118.4	PASS	-132.6	PASS	-151.0	PASS	-156.6	PASS	459,460,	461,462,	463,464,465,466
S1000578	24.407079	PASS	9.86	1231	PASS	0.048	-1582	PASS	5.03	691	PASS	3.079	PASS	YES	NO	3.050	PASS	3.30	PASS	0	PASS	NO	YES	12.96	PASS	-118.0	PASS	-132.5	PASS	-150.9	PASS	-156.7	PASS	536,537,	538,539,	540,541,542,543
S1000581	24.440707	PASS	9.82	1215	PASS	0.05	-1120	PASS	5.03	753	PASS	2.610	PASS	YES	NO	2.589	PASS	3.30	PASS	0	PASS	NO	YES	12.58	PASS	-116.8	PASS	-129.2	PASS	-145.6	FAIL	-156.5	PASS	528,529,	530,531,	532,533,534,535
S1000582	24.440707	PASS	9.82	1126	PASS	0.045	-1057	PASS	5.02	700	PASS	2.634	PASS	YES	NO	2.606	PASS	3.30	PASS	0	PASS	NO	YES	13.04	PASS	-118.1	PASS	-130.8	PASS	-143.5	FAIL	-156.7	PASS	467,468	469,470,	471,472,473,474
S1000583	24.440707	PASS	9.88	1154	PASS	0.045	-1136	PASS	5.02	690	PASS	2.605	PASS	YES	NO	2.577	PASS	3.30	PASS	0	PASS	NO	YES	13.07	PASS	-116.4	PASS	-127.9	FAIL	-143.7	FAIL	-156.5	PASS	475,476,	477,478,	479,480,481,482
S1000584	24.440707	PASS	9.84	1206	PASS	0.047	-1256	PASS	5.03	752	PASS	2.712	PASS	YES	NO	2.677	PASS	3.30	PASS	0	PASS	NO	YES	13.93	PASS	-118.1	PASS	-130.0	PASS	-142.3	FAIL	-157.0	PASS	483,484,	485,486,	487,488,489,490
S1000585	24.482125	PASS	9.82	1119	PASS	0.048	-1083	PASS	5.03	727	PASS	2.520	PASS	YES	NO	2.490	PASS	3.29	PASS	0	PASS	NO	YES	12.14	PASS	-121.8	PASS	-133.8	PASS	-146.6	FAIL	-156.5	PASS	552,553,	554,555,	556,557,558,559
S1000586	24.482125	PASS	9.88	1147	PASS	0.047	-1067	PASS	5.02	758	PASS	2.457	PASS	YES	NO	2.429	PASS	3.30	PASS	0	PASS	NO	YES	12.18	PASS	-121.8	PASS	-133.8	PASS	-146.6	FAIL	-156.5	PASS	552,553,	554,555,	556,557,558,559
S1000579	24.515730	PASS	9.83	1252	PASS	0.046	-1175	PASS	5.02	757	PASS	2.537	PASS	YES	NO	2.511	PASS	3.30	PASS	0	PASS	NO	YES	13.06	PASS	-119.9	PASS	131.2	PASS	-146.7	FAIL	-157.2		568,569,	570,571,	572,573,574,576
S1000580	24.515730	PASS	9.89	1070	PASS	0.044	-1636	PASS	5.02	570	PASS	3.069	PASS	YES	NO	3.043	PASS	3.30	PASS	0	PASS	NO	YES	13.06	PASS	-121.5	PASS	-130.5	PASS	-147.6	FAIL	-156.5		491,492,	493,494,	497,499,500,501
S1000548	35.500000	PASS	9.84	1835	PASS	0.05	-1857	PASS	5.02	1093	PASS	2.691	PASS	YES	NO	2.661	PASS	3.29	PASS	0	PASS	NO	YES	11.72	PASS	-117.1	PASS	-130.6	PASS	-144.8	FAIL	-155.3	PASS	520,521,	522,523,	524,525,526,527
S1000549	35.500000	PASS	9.86	1801	PASS	0.048	-1748	PASS	5.02	1091	PASS	2.623	PASS	YES	NO	2.59	PASS	3.30	PASS	0.005	PASS	NO	YES	11.50	PASS	-121.8	PASS	-130.7	PASS	-146.3	FAIL	-155.3	PASS	351,352,	353,354,	355,356,357,358
S1000550	35.500000	PASS	9.85	1816	PASS	0.046	-1763	PASS	5.02	984	PASS	2.720	PASS	YES	NO	2.69	PASS	3.30	PASS	0	PASS	NO	YES	11.54	PASS	-121.1	PASS	-128.6	FAIL	-145.7	FAIL	-155.1	PASS	343,344,	345,346,	347,348,349,350
S1000551	35.500000	PASS	9.83	1864	PASS	0.045	-1620	PASS	5.02	1027	PASS									0	PASS	NO	YES													
S1000552	35.500000	PASS	9.84	1895	PASS	0.046	-2268	PASS	5.02	973	PASS	2.970	PASS	YES	NO	2.94	PASS	3.30	PASS	0	PASS	NO	YES	12.16	PASS	-118.9	PASS	-129.6	FAIL	-145.5	FAIL	-155.4	PASS	359,360,	361,362,	363,364,365,366
S1000587	35.500000	PASS	9.8	1795	PASS	0.046	-1869	PASS	5.02	1054	PASS	2.733	PASS	YES	NO	2.705	PASS	3.30	PASS	0	PASS	NO	YES	11.50	PASS	-111.4	PASS	-125.1	FAIL	-142.6	FAIL	-155.1	PASS	560,561	562,563	564,565,566,567
S1000553	71.000000	PASS	9.84	3893	PASS	0.048	-2859	PASS	5.03	-176	PASS	5.30	PASS	YES	NO	5.27	PASS	3.29	PASS	0	PASS	NO	YES	12.28	PASS	-111.2	PASS	-118.0	PASS	-145.9	PASS	-155.8	PASS	200,201,	202,203,	204,205,206,207
S1000554	71.000000	PASS	9.86	4108	PASS	0.048	-2725	PASS	5.03	-105	PASS	5.19	PASS	YES	NO	5.16	PASS	3.30	PASS	0	PASS	NO	YES	12.67	PASS	-111.4	PASS	-116.2	PASS	-145.3	PASS	-156.4	PASS	192,193,	194,195,	196,197,198,199
S1000555	71.000000	PASS	9.82	4098 hz	PASS	0.046	-3281	PASS	5.02	11hz	PASS	5.00	PASS	YES	NO	4.98	PASS	3.30	PASS	0	PASS	NO	YES	12.33	PASS	-112.7	PASS	-117.6	PASS	-145.6	PASS	-156.5	PASS	184,185,	186,187	188,276,190,191
S1000556	71.000000	PASS	9.87	4085 hz	PASS	0.048	-3573	PASS	5.03	-119	PASS	5.02	PASS	YES	NO	4.98	PASS	3.38	PASS	0	PASS	NO	YES	13.15	PASS	-110.7	PASS	-116.3	PASS	-145.3	PASS	-155.6	PASS	176,177,	178,179,	180,181,182,183
S1000557	71.000000	PASS	9.81	3345	PASS	0.049	-3987	PASS	5.03	-374	PASS	5.50	PASS	YES	NO	5.47	PASS	3.30	PASS	0	PASS	NO	YES	12.54	PASS	-102.3	PASS	-118.1	PASS	-144.0	PASS	-155.8	PASS	544,545,	546,547,	548,549,550,551
S1000558	71.000000	PASS	9.87	4706	PASS	0.048	-3277	PASS	5.02	-52	PASS	5.09	PASS	YES	NO	5.06	PASS	3.30	PASS	0	PASS	NO	YES	12.42	PASS	-111.2	PASS	-116.9	PASS	-143.8	PASS	-156.2	PASS	208,209,	210,211,	212,213,214,215
S1000559	71.000000	PASS	9.89	4102	PASS	0.046	-3614	PASS	5.02	-127	PASS	5.19	PASS	YES	NO	5.16	PASS	3.30	PASS	0	PASS	NO	YES	12.79	PASS	-12.4	PASS	-116.4	PASS	-143.8	PASS	-156.3	PASS	277,278,	279,280,	281,282,283,284
S1000560	71.000000	PASS	9.87	3726	PASS	0.046	-2915	PASS	5.02	-36	PASS	5.08	PASS	YES	NO	5.05	PASS	3.29	PASS	0	PASS	NO	YES	12.9	PASS	-111.6	PASS	-117.9	PASS	-145.0	PASS	-156.6	PASS	216,217,	218,219,	