

Certificate Number	CA5000KRxxxxxxxxxxxx	This calibration certificate confirms that the measurements recorded in the applicable calibration report are within their specified limits and are specific to the unit with the serial number listed below.
Kind of Equipment	CellAdvisor 5G	This unit was calibrated with direct comparison to a standard(s) required to calibrate this type of equipment.
Type / Model No.	CA5000	The calibration results are traceable to the National Institute of Standards and Technology (NIST) which are consistent with the recommendations of the General Conference on Weights and Measures (CGPM), or to standards derived from natural constants, or to standards relying on ratio measurements with self-calibrating technique for their calibration. If a National Standard is not available, the result is traceable to the Reference Standard of Viavi Solutions.
Serial Number	xxxxxxxxxx	
Manufacturer	VIAVI Solutions	
Calibration Date	13-Nov-2018	
Confirmation Interval	12 Months	The calibration has been carried out within a certified quality system according to ISO 9001. The metrological confirmation system of measuring equipment complies with ISO 10012-1.
Calibration Due Date	12-Nov-2019	The stated confirmation interval shall be regarded as a recommendation. The real definition of the confirmation interval should be made by the user. The type of application and the environmental conditions should be taken into account.
Ambient Temperature / Relative Humidity	(26)°C / (20 ... 80)%	

13-Nov-18

Date

Tester

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Test Standard and Required Equipment

Model	Description	Serial Number	Cal Due
E8257D	PSG Analog Signal Generator	XXXXXXXXXXXXXX	XX-XXX-XX
N1913A	EPM Series Power Meter	XXXXXXXXXXXXXX	XX-XXX-XX
N8487A	AVG Power Sensor	XXXXXXXXXXXXXX	XX-XXX-XX

Test Summary

Item No	Test Item	Result
1	Frequency Readout accuracy	PASS
2	Resolution bandwidth switching uncertainty	PASS
3	Absolute Amplitude Accuracy	PASS
4	Input Attenuation Switching Uncertainty	PASS
5	Preamp Accuracy	PASS
6	DANL (Preamp Off)	PASS
7	DANL (Preamp On)	PASS
8	Residual Response	PASS
9	Phase Noise	PASS
10	Display Scale Fidelity	PASS
11	Frequency Response	PASS

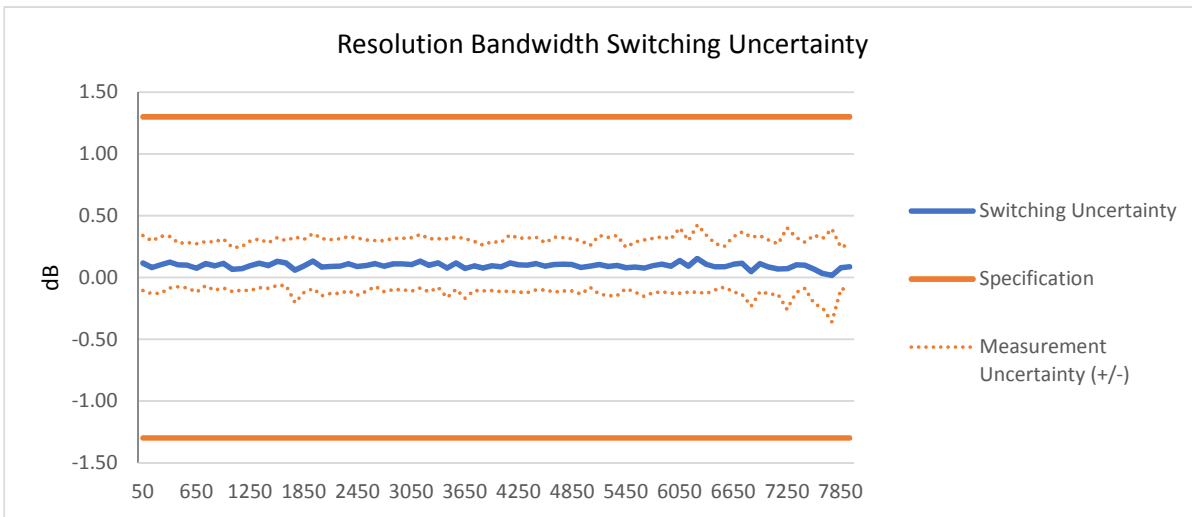
Frequency Readout Accuracy

Item No	Test Range	Span	Measured Value	Measurement Uncertainty
#1	1.490 GHz	1MHz	1490	0
	1.490 GHz	100 KHz	1490	0
	1.490 GHz	10 kHz	1490	0

Result
Pass
Pass
Pass

Resolution Bandwidth switching uncertainty

Item No	Test Range	Specification	Result
#2	1 MHz to 8 GHz	±1.3 dB (20 to 30°C after 60-min warm up)	Pass



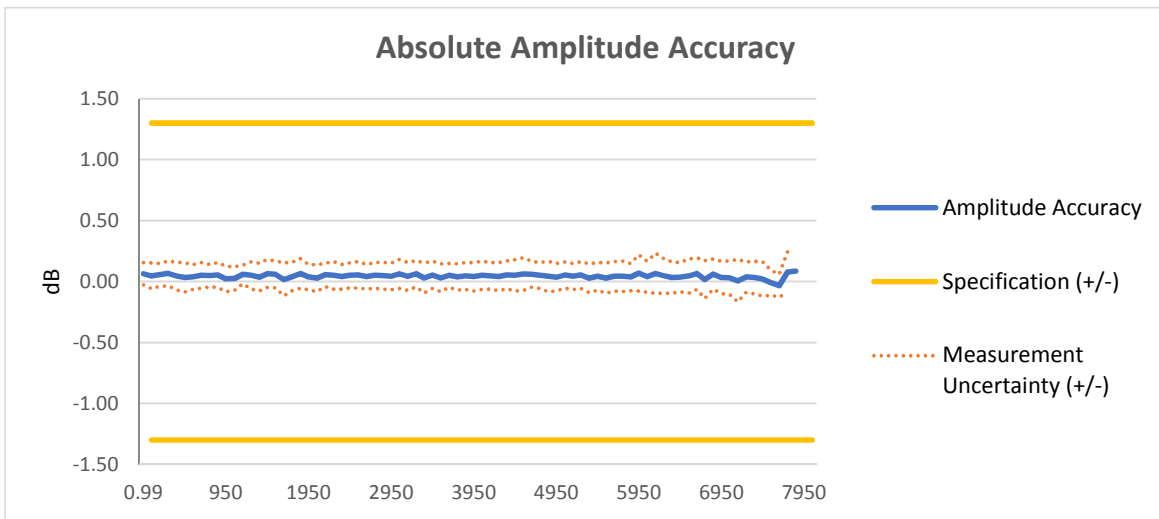
Frequency [MHz]	Switching Uncertainty	Measurement Uncertainty (+/-)	Specification (+/-)	Result
50	0.12	0.22	1.3	Pass
150	0.08	0.21	1.3	Pass
250	0.10	0.23	1.3	Pass
350	0.12	0.21	1.3	Pass
450	0.10	0.18	1.3	Pass
550	0.10	0.18	1.3	Pass
650	0.08	0.20	1.3	Pass
750	0.11	0.18	1.3	Pass
850	0.09	0.20	1.3	Pass
950	0.11	0.20	1.3	Pass
1050	0.06	0.18	1.3	Pass
1150	0.07	0.18	1.3	Pass
1250	0.09	0.20	1.3	Pass
1350	0.11	0.20	1.3	Pass
1450	0.10	0.18	1.3	Pass
1550	0.13	0.19	1.3	Pass
1650	0.12	0.18	1.3	Pass
1750	0.06	0.26	1.3	Pass
1850	0.09	0.22	1.3	Pass
1950	0.13	0.22	1.3	Pass
2050	0.08	0.23	1.3	Pass
2150	0.09	0.22	1.3	Pass
2250	0.09	0.22	1.3	Pass
2350	0.11	0.22	1.3	Pass
2450	0.09	0.23	1.3	Pass
2550	0.10	0.21	1.3	Pass

2650	0.11	0.19	1.3	Pass
2750	0.09	0.21	1.3	Pass
2850	0.11	0.21	1.3	Pass
2950	0.11	0.21	1.3	Pass
3050	0.10	0.22	1.3	Pass
3150	0.13	0.22	1.3	Pass
3250	0.10	0.22	1.3	Pass
3350	0.12	0.20	1.3	Pass
3450	0.07	0.24	1.3	Pass
3550	0.12	0.21	1.3	Pass
3650	0.07	0.24	1.3	Pass
3750	0.09	0.20	1.3	Pass
3850	0.08	0.19	1.3	Pass
3950	0.09	0.20	1.3	Pass
4050	0.08	0.20	1.3	Pass
4150	0.12	0.23	1.3	Pass
4250	0.10	0.22	1.3	Pass
4350	0.10	0.22	1.3	Pass
4450	0.11	0.21	1.3	Pass
4550	0.09	0.19	1.3	Pass
4650	0.10	0.22	1.3	Pass
4750	0.11	0.21	1.3	Pass
4850	0.10	0.21	1.3	Pass
4950	0.08	0.21	1.3	Pass
5050	0.09	0.17	1.3	Pass
5150	0.10	0.24	1.3	Pass
5250	0.09	0.24	1.3	Pass
5350	0.09	0.24	1.3	Pass
5450	0.08	0.17	1.3	Pass
5550	0.08	0.20	1.3	Pass
5650	0.08	0.23	1.3	Pass
5750	0.10	0.22	1.3	Pass
5850	0.11	0.22	1.3	Pass
5950	0.09	0.22	1.3	Pass
6050	0.14	0.26	1.3	Pass
6150	0.09	0.21	1.3	Pass
6250	0.15	0.27	1.3	Pass
6350	0.11	0.24	1.3	Pass
6450	0.09	0.19	1.3	Pass
6550	0.09	0.16	1.3	Pass
6650	0.11	0.22	1.3	Pass
6750	0.11	0.25	1.3	Pass
6850	0.05	0.28	1.3	Pass
6950	0.11	0.23	1.3	Pass
7050	0.08	0.22	1.3	Pass
7150	0.07	0.20	1.3	Pass

7250	0.07	0.33	1.3	Pass
7350	0.10	0.22	1.3	Pass
7450	0.10	0.19	1.3	Pass
7550	0.07	0.28	1.3	Pass
7650	0.03	0.28	1.3	Pass
7750	0.02	0.38	1.3	Pass
7850	0.08	0.17	1.3	Pass
7950	0.09	0.19	1.3	Pass

Absolute Amplitude Accuracy

Item No	Test Range	Specification	Result
#3	1 MHz to 8 GHz	±1.3 dB (20 to 30°C after 60-min warm up)	Pass



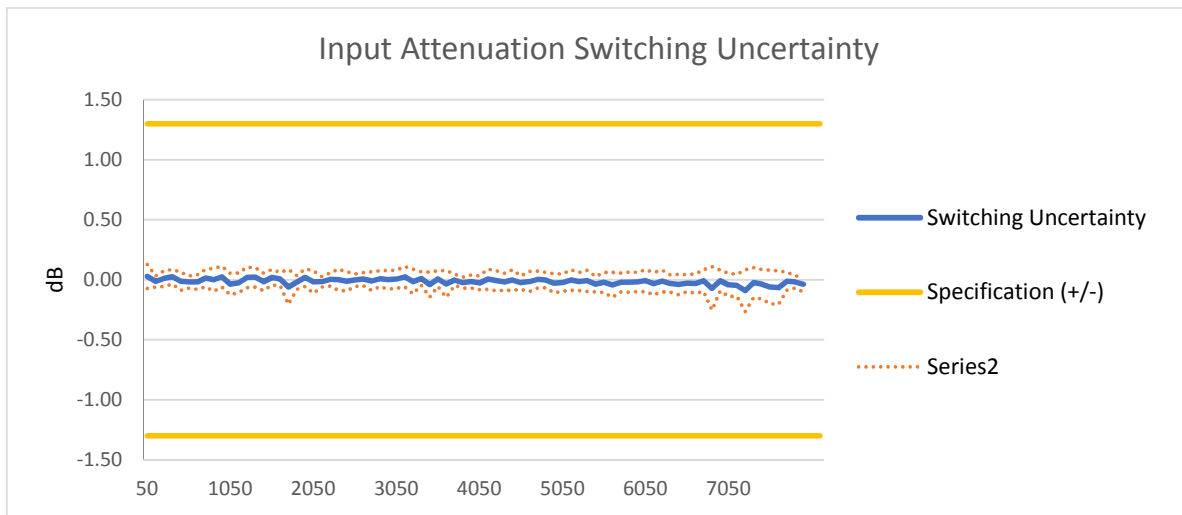
Frequency [MHz]	Amplitude Accuracy	Measurement Uncertainty (+/-)	Specification (+/-)	Result
50	0.06	0.09	1.3	Pass
150	0.05	0.11	1.3	Pass
250	0.06	0.09	1.3	Pass
350	0.07	0.10	1.3	Pass
450	0.05	0.11	1.3	Pass
550	0.03	0.12	1.3	Pass
650	0.04	0.10	1.3	Pass
750	0.05	0.11	1.3	Pass
850	0.05	0.09	1.3	Pass
950	0.05	0.10	1.3	Pass
1050	0.02	0.10	1.3	Pass
1150	0.02	0.10	1.3	Pass
1250	0.06	0.08	1.3	Pass
1350	0.05	0.11	1.3	Pass
1450	0.04	0.11	1.3	Pass
1550	0.06	0.11	1.3	Pass
1650	0.06	0.11	1.3	Pass
1750	0.02	0.14	1.3	Pass
1850	0.04	0.12	1.3	Pass
1950	0.07	0.12	1.3	Pass
2050	0.04	0.10	1.3	Pass
2150	0.03	0.11	1.3	Pass
2250	0.06	0.10	1.3	Pass
2350	0.05	0.11	1.3	Pass
2450	0.04	0.10	1.3	Pass
2550	0.05	0.10	1.3	Pass

2650	0.05	0.11	1.3	Pass
2750	0.04	0.10	1.3	Pass
2850	0.05	0.11	1.3	Pass
2950	0.05	0.11	1.3	Pass
3050	0.04	0.11	1.3	Pass
3150	0.06	0.12	1.3	Pass
3250	0.04	0.11	1.3	Pass
3350	0.06	0.11	1.3	Pass
3450	0.03	0.12	1.3	Pass
3550	0.05	0.11	1.3	Pass
3650	0.03	0.11	1.3	Pass
3750	0.05	0.10	1.3	Pass
3850	0.04	0.11	1.3	Pass
3950	0.05	0.11	1.3	Pass
4050	0.04	0.12	1.3	Pass
4150	0.05	0.12	1.3	Pass
4250	0.05	0.11	1.3	Pass
4350	0.04	0.12	1.3	Pass
4450	0.05	0.11	1.3	Pass
4550	0.05	0.13	1.3	Pass
4650	0.06	0.13	1.3	Pass
4750	0.06	0.11	1.3	Pass
4850	0.05	0.11	1.3	Pass
4950	0.04	0.13	1.3	Pass
5050	0.03	0.11	1.3	Pass
5150	0.05	0.11	1.3	Pass
5250	0.04	0.11	1.3	Pass
5350	0.05	0.11	1.3	Pass
5450	0.03	0.12	1.3	Pass
5550	0.04	0.11	1.3	Pass
5650	0.03	0.12	1.3	Pass
5750	0.04	0.12	1.3	Pass
5850	0.04	0.13	1.3	Pass
5950	0.04	0.11	1.3	Pass
6050	0.07	0.15	1.3	Pass
6150	0.04	0.13	1.3	Pass
6250	0.07	0.16	1.3	Pass
6350	0.05	0.14	1.3	Pass
6450	0.03	0.13	1.3	Pass
6550	0.04	0.12	1.3	Pass
6650	0.04	0.14	1.3	Pass
6750	0.07	0.13	1.3	Pass
6850	0.02	0.16	1.3	Pass
6950	0.06	0.12	1.3	Pass
7050	0.03	0.13	1.3	Pass
7150	0.03	0.14	1.3	Pass

7250	0.01	0.17	1.3	Pass
7350	0.04	0.13	1.3	Pass
7450	0.03	0.13	1.3	Pass
7550	0.02	0.14	1.3	Pass
7650	-0.01	0.10	1.3	Pass
7750	-0.03	0.09	1.3	Pass
7850	0.08	0.17	1.3	Pass
7950	0.09	0.19	1.3	Pass

Input Attenuation Switching Uncertainty

Item No	Test Range	Specification	Result
#4	1 MHz to 8 GHz	±1.3 dB (20 to 30°C after 60-min warm up)	Pass



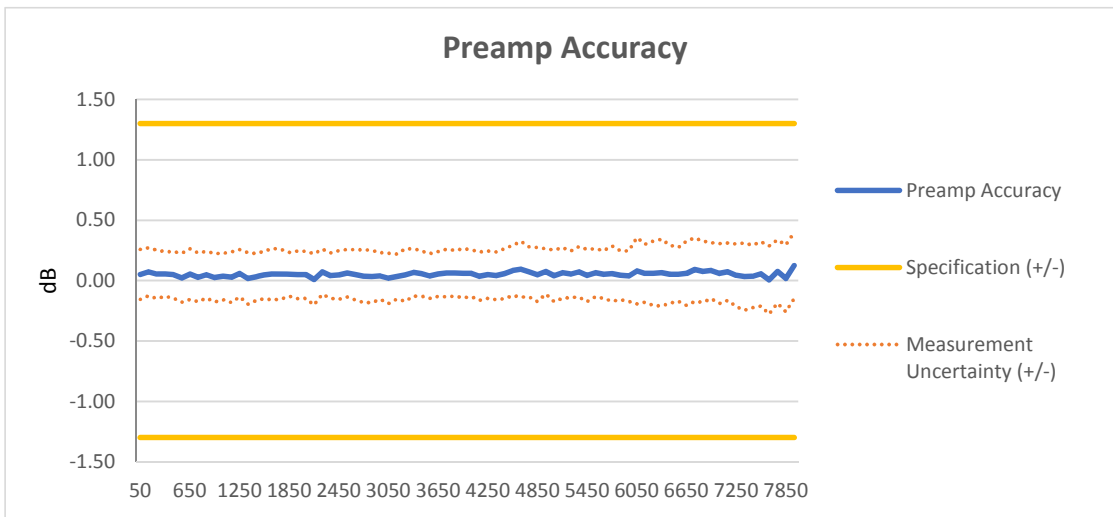
Frequency [MHz]	Switching Uncertainty	Measurement Uncertainty (+/-)	Specification (+/-)	Result
50	0.03	0.10	1.3	Pass
150	-0.01	0.05	1.3	Pass
250	0.01	0.07	1.3	Pass
350	0.02	0.06	1.3	Pass
450	-0.01	0.08	1.3	Pass
550	-0.02	0.05	1.3	Pass
650	-0.02	0.06	1.3	Pass
750	0.01	0.07	1.3	Pass
850	0.00	0.10	1.3	Pass
950	0.02	0.09	1.3	Pass
1050	-0.04	0.09	1.3	Pass
1150	-0.03	0.08	1.3	Pass
1250	0.02	0.09	1.3	Pass
1350	0.02	0.08	1.3	Pass
1450	-0.02	0.07	1.3	Pass
1550	0.02	0.07	1.3	Pass
1650	0.01	0.05	1.3	Pass
1750	-0.06	0.15	1.3	Pass
1850	-0.02	0.06	1.3	Pass
1950	0.02	0.07	1.3	Pass
2050	-0.02	0.09	1.3	Pass
2150	-0.02	0.04	1.3	Pass
2250	0.00	0.05	1.3	Pass
2350	0.00	0.09	1.3	Pass
2450	-0.01	0.08	1.3	Pass
2550	0.00	0.05	1.3	Pass

2650	0.00	0.05	1.3	Pass
2750	-0.01	0.08	1.3	Pass
2850	0.01	0.07	1.3	Pass
2950	0.00	0.08	1.3	Pass
3050	0.00	0.08	1.3	Pass
3150	0.02	0.08	1.3	Pass
3250	-0.02	0.10	1.3	Pass
3350	0.01	0.06	1.3	Pass
3450	-0.04	0.10	1.3	Pass
3550	0.01	0.07	1.3	Pass
3650	-0.03	0.11	1.3	Pass
3750	0.00	0.05	1.3	Pass
3850	-0.02	0.05	1.3	Pass
3950	-0.02	0.05	1.3	Pass
4050	-0.03	0.06	1.3	Pass
4150	0.00	0.08	1.3	Pass
4250	-0.01	0.08	1.3	Pass
4350	-0.02	0.07	1.3	Pass
4450	0.00	0.09	1.3	Pass
4550	-0.02	0.06	1.3	Pass
4650	-0.02	0.08	1.3	Pass
4750	0.00	0.07	1.3	Pass
4850	0.00	0.06	1.3	Pass
4950	-0.03	0.08	1.3	Pass
5050	-0.02	0.07	1.3	Pass
5150	0.00	0.09	1.3	Pass
5250	-0.02	0.08	1.3	Pass
5350	-0.01	0.09	1.3	Pass
5450	-0.04	0.06	1.3	Pass
5550	-0.02	0.08	1.3	Pass
5650	-0.04	0.10	1.3	Pass
5750	-0.02	0.08	1.3	Pass
5850	-0.02	0.08	1.3	Pass
5950	-0.02	0.08	1.3	Pass
6050	-0.01	0.09	1.3	Pass
6150	-0.03	0.09	1.3	Pass
6250	-0.01	0.09	1.3	Pass
6350	-0.03	0.07	1.3	Pass
6450	-0.04	0.09	1.3	Pass
6550	-0.03	0.07	1.3	Pass
6650	-0.03	0.08	1.3	Pass
6750	-0.01	0.09	1.3	Pass
6850	-0.07	0.18	1.3	Pass
6950	-0.01	0.09	1.3	Pass
7050	-0.04	0.10	1.3	Pass
7150	-0.05	0.09	1.3	Pass

7250	-0.09	0.17	1.3	Pass
7350	-0.02	0.12	1.3	Pass
7450	-0.04	0.12	1.3	Pass
7550	-0.06	0.14	1.3	Pass
7650	-0.07	0.14	1.3	Pass
7750	-0.01	0.08	1.3	Pass
7850	-0.02	0.05	1.3	Pass
7950	-0.04	0.06	1.3	Pass

Preamp Accuracy

Item No	Test Range	Specification	Result
#5	1 MHz to 8 GHz	± 1.3 dB (20 to 30°C after 60-min warm up)	Pass



Frequency [MHz]	Preamp Accuracy	Measurement Uncertainty (+/-)	Specification (+/-)	Result
50	0.05	0.21	1.3	Pass
150	0.07	0.20	1.3	Pass
250	0.05	0.20	1.3	Pass
350	0.05	0.19	1.3	Pass
450	0.05	0.19	1.3	Pass
550	0.02	0.20	1.3	Pass
650	0.05	0.21	1.3	Pass
750	0.03	0.20	1.3	Pass
850	0.05	0.19	1.3	Pass
950	0.02	0.20	1.3	Pass
1050	0.03	0.19	1.3	Pass
1150	0.03	0.21	1.3	Pass
1250	0.06	0.19	1.3	Pass
1350	0.02	0.21	1.3	Pass
1450	0.03	0.20	1.3	Pass
1550	0.05	0.20	1.3	Pass
1650	0.05	0.21	1.3	Pass
1750	0.05	0.20	1.3	Pass
1850	0.05	0.18	1.3	Pass
1950	0.05	0.20	1.3	Pass
2050	0.05	0.20	1.3	Pass
2150	0.01	0.21	1.3	Pass
2250	0.07	0.19	1.3	Pass
2350	0.04	0.19	1.3	Pass
2450	0.05	0.20	1.3	Pass
2550	0.06	0.20	1.3	Pass

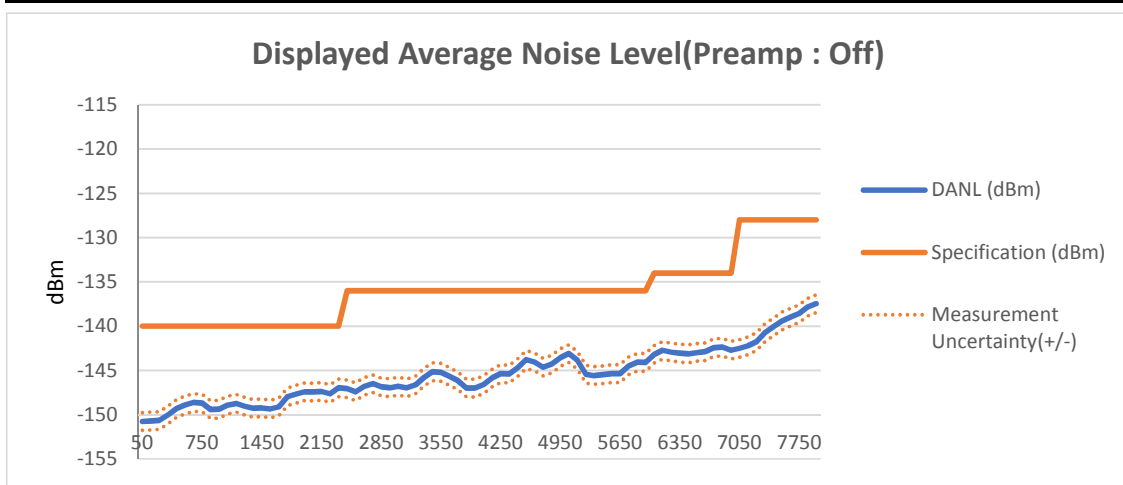
2650	0.05	0.21	1.3	Pass
2750	0.04	0.22	1.3	Pass
2850	0.03	0.22	1.3	Pass
2950	0.04	0.19	1.3	Pass
3050	0.02	0.21	1.3	Pass
3150	0.03	0.19	1.3	Pass
3250	0.04	0.22	1.3	Pass
3350	0.07	0.20	1.3	Pass
3450	0.06	0.19	1.3	Pass
3550	0.04	0.19	1.3	Pass
3650	0.05	0.19	1.3	Pass
3750	0.06	0.20	1.3	Pass
3850	0.06	0.19	1.3	Pass
3950	0.06	0.20	1.3	Pass
4050	0.06	0.20	1.3	Pass
4150	0.04	0.20	1.3	Pass
4250	0.05	0.20	1.3	Pass
4350	0.04	0.20	1.3	Pass
4450	0.06	0.21	1.3	Pass
4550	0.08	0.21	1.3	Pass
4650	0.09	0.23	1.3	Pass
4750	0.07	0.21	1.3	Pass
4850	0.05	0.22	1.3	Pass
4950	0.08	0.19	1.3	Pass
5050	0.04	0.21	1.3	Pass
5150	0.06	0.21	1.3	Pass
5250	0.05	0.19	1.3	Pass
5350	0.07	0.21	1.3	Pass
5450	0.04	0.22	1.3	Pass
5550	0.06	0.20	1.3	Pass
5650	0.05	0.20	1.3	Pass
5750	0.06	0.23	1.3	Pass
5850	0.04	0.20	1.3	Pass
5950	0.04	0.21	1.3	Pass
6050	0.08	0.27	1.3	Pass
6150	0.06	0.24	1.3	Pass
6250	0.06	0.27	1.3	Pass
6350	0.07	0.28	1.3	Pass
6450	0.05	0.24	1.3	Pass
6550	0.05	0.22	1.3	Pass
6650	0.06	0.27	1.3	Pass
6750	0.09	0.26	1.3	Pass
6850	0.07	0.25	1.3	Pass
6950	0.08	0.23	1.3	Pass
7050	0.06	0.25	1.3	Pass
7150	0.07	0.24	1.3	Pass

7250	0.04	0.26	1.3	Pass
7350	0.03	0.28	1.3	Pass
7450	0.03	0.26	1.3	Pass
7550	0.06	0.27	1.3	Pass
7650	0.00	0.28	1.3	Pass
7750	0.08	0.26	1.3	Pass
7850	0.02	0.28	1.3	Pass
7950	0.12	0.27	1.3	Pass

DANL

Preamp: Off

Item No	Test Range	Specification (dBm)	Result
#6	10 MHz to 2.4 GHz	-140	Pass
	>2.4 GHz to 6 GHz	-136	Pass
	>6 GHz to 7 GHz	-134	Pass
	>7 GHz to 8 GHz	-128	Pass



Frequency [MHz]	DANL (dBm)	Measurement Uncertainty(+/-)	Specification (dBm)	Result
50	-151	1	-140	Pass
150	-151	1	-140	Pass
250	-151	1	-140	Pass
350	-150	1	-140	Pass
450	-149	1	-140	Pass
550	-149	1	-140	Pass
650	-149	1	-140	Pass
750	-149	1	-140	Pass
850	-149	1	-140	Pass
950	-149	1	-140	Pass
1050	-149	1	-140	Pass
1150	-149	1	-140	Pass
1250	-149	1	-140	Pass
1350	-149	1	-140	Pass
1450	-149	1	-140	Pass
1550	-149	1	-140	Pass
1650	-149	1	-140	Pass
1750	-148	1	-140	Pass
1850	-148	1	-140	Pass
1950	-147	1	-140	Pass
2050	-147	1	-140	Pass
2150	-147	1	-140	Pass
2250	-148	1	-140	Pass
2350	-147	1	-140	Pass

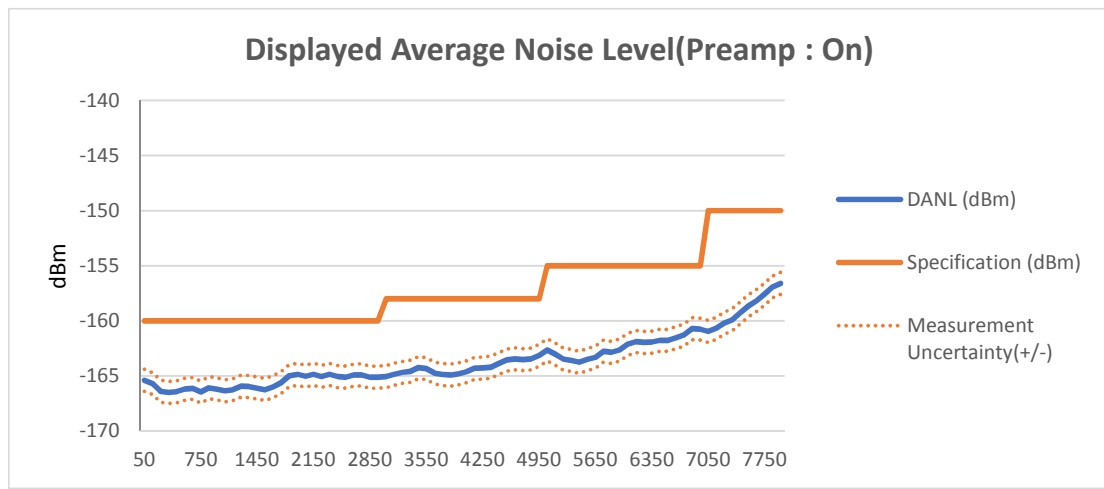
2450	-147	1	-136	Pass
2550	-147	1	-136	Pass
2650	-147	1	-136	Pass
2750	-147	1	-136	Pass
2850	-147	1	-136	Pass
2950	-147	1	-136	Pass
3050	-147	1	-136	Pass
3150	-147	1	-136	Pass
3250	-147	1	-136	Pass
3350	-146	1	-136	Pass
3450	-145	1	-136	Pass
3550	-145	1	-136	Pass
3650	-146	1	-136	Pass
3750	-146	1	-136	Pass
3850	-147	1	-136	Pass
3950	-147	1	-136	Pass
4050	-147	1	-136	Pass
4150	-146	1	-136	Pass
4250	-145	1	-136	Pass
4350	-145	1	-136	Pass
4450	-145	1	-136	Pass
4550	-144	1	-136	Pass
4650	-144	1	-136	Pass
4750	-145	1	-136	Pass
4850	-144	1	-136	Pass
4950	-144	1	-136	Pass
5050	-143	1	-136	Pass
5150	-144	1	-136	Pass
5250	-145	1	-136	Pass
5350	-146	1	-136	Pass
5450	-145	1	-136	Pass
5550	-145	1	-136	Pass
5650	-145	1	-136	Pass
5750	-144	1	-136	Pass
5850	-144	1	-136	Pass
5950	-144	1	-136	Pass
6050	-143	1	-134	Pass
6150	-143	1	-134	Pass
6250	-143	1	-134	Pass
6350	-143	1	-134	Pass
6450	-143	1	-134	Pass
6550	-143	1	-134	Pass
6650	-143	1	-134	Pass
6750	-142	1	-134	Pass
6850	-142	1	-134	Pass
6950	-143	1	-134	Pass

7050	-143	1	-128	Pass
7150	-142	1	-128	Pass
7250	-142	1	-128	Pass
7350	-141	1	-128	Pass
7450	-140	1	-128	Pass
7550	-139	1	-128	Pass
7650	-139	1	-128	Pass
7750	-139	1	-128	Pass
7850	-138	1	-128	Pass
7950	-137	1	-128	Pass

DANL

Preamp: On

Item No	Test Range	Specification (dBm)	Result
#7	10 MHz to 3 GHz	-160	Pass
	>3 GHz to 5 GHz	-158	Pass
	> 5 GHz to 7 GHz	-155	Pass
	>7 GHz to 8 GHz	-150	Pass



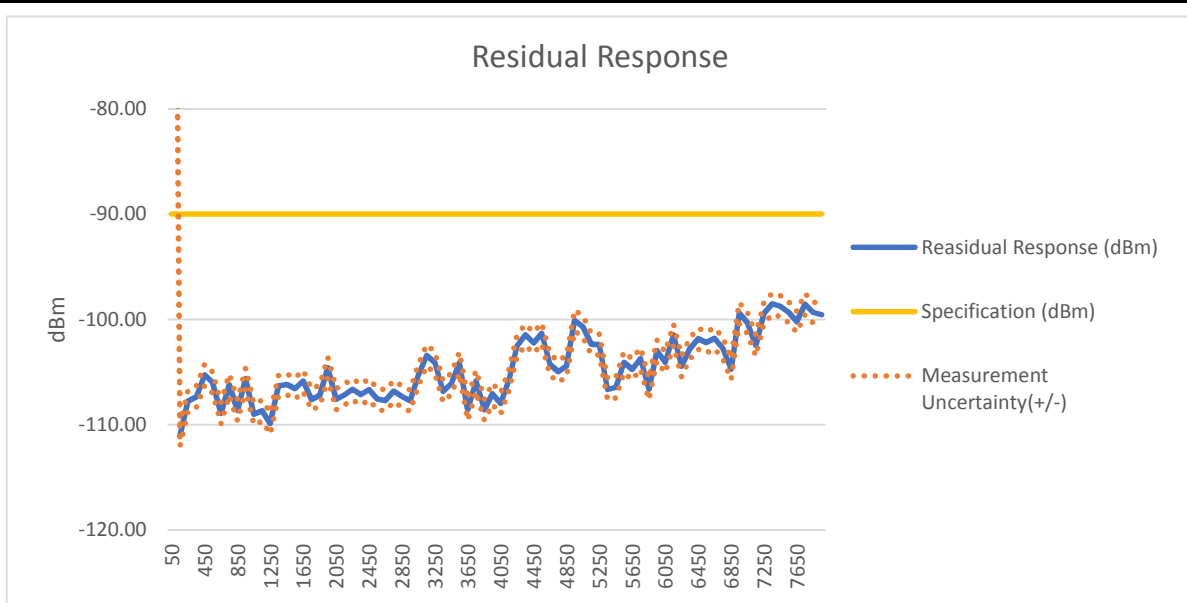
Frequency [MHz]	DANL (dBm)	Measurement Uncertainty(+/-)	Specification (dBm)	Result
50	-165	1	-160	Pass
150	-166	1	-160	Pass
250	-166	1	-160	Pass
350	-166	1	-160	Pass
450	-166	1	-160	Pass
550	-166	1	-160	Pass
650	-166	1	-160	Pass
750	-166	1	-160	Pass
850	-166	1	-160	Pass
950	-166	1	-160	Pass
1050	-166	1	-160	Pass
1150	-166	1	-160	Pass
1250	-166	1	-160	Pass
1350	-166	1	-160	Pass
1450	-166	1	-160	Pass
1550	-166	1	-160	Pass
1650	-166	1	-160	Pass
1750	-166	1	-160	Pass
1850	-165	1	-160	Pass
1950	-165	1	-160	Pass
2050	-165	1	-160	Pass
2150	-165	1	-160	Pass
2250	-165	1	-160	Pass
2350	-165	1	-160	Pass

2450	-165	1	-160	Pass
2550	-165	1	-160	Pass
2650	-165	1	-160	Pass
2750	-165	1	-160	Pass
2850	-165	1	-160	Pass
2950	-165	1	-160	Pass
3050	-165	1	-158	Pass
3150	-165	1	-158	Pass
3250	-165	1	-158	Pass
3350	-165	1	-158	Pass
3450	-164	1	-158	Pass
3550	-164	1	-158	Pass
3650	-165	1	-158	Pass
3750	-165	1	-158	Pass
3850	-165	1	-158	Pass
3950	-165	1	-158	Pass
4050	-165	1	-158	Pass
4150	-164	1	-158	Pass
4250	-164	1	-158	Pass
4350	-164	1	-158	Pass
4450	-164	1	-158	Pass
4550	-164	1	-158	Pass
4650	-163	1	-158	Pass
4750	-164	1	-158	Pass
4850	-163	1	-158	Pass
4950	-163	1	-158	Pass
5050	-163	1	-155	Pass
5150	-163	1	-155	Pass
5250	-163	1	-155	Pass
5350	-164	1	-155	Pass
5450	-164	1	-155	Pass
5550	-163	1	-155	Pass
5650	-163	1	-155	Pass
5750	-163	1	-155	Pass
5850	-163	1	-155	Pass
5950	-163	1	-155	Pass
6050	-162	1	-155	Pass
6150	-162	1	-155	Pass
6250	-162	1	-155	Pass
6350	-162	1	-155	Pass
6450	-162	1	-155	Pass
6550	-162	1	-155	Pass
6650	-162	1	-155	Pass
6750	-161	1	-155	Pass
6850	-161	1	-155	Pass
6950	-161	1	-155	Pass

7050	-161	1	-150	Pass
7150	-161	1	-150	Pass
7250	-160	1	-150	Pass
7350	-160	1	-150	Pass
7450	-159	1	-150	Pass
7550	-159	1	-150	Pass
7650	-158	1	-150	Pass
7750	-158	1	-150	Pass
7850	-157	1	-150	Pass
7950	-157	1	-150	Pass

Residual Response

Item No	Test Range	Specification	Result
#8	1 MHz to 8 GHz	-90 dBm (nominal), where Input terminated, 0 dB attenuation, preamplifier off, RBW at 10 kHz, Sweep mode	Pass



Frequency [MHz]	Residual Response (dBm)	Measurement Uncertainty(+/-)	Specification (dBm)	Result
50		1	-90	Pass
150	-111.06	1	-90	Pass
250	-107.75	1	-90	Pass
350	-107.36	1	-90	Pass
450	-105.28	1	-90	Pass
550	-105.99	1	-90	Pass
650	-108.91	1	-90	Pass
750	-106.21	1	-90	Pass
850	-108.65	1	-90	Pass
950	-105.62	1	-90	Pass
1050	-109.01	1	-90	Pass
1150	-108.68	1	-90	Pass
1250	-109.89	1	-90	Pass
1350	-106.29	1	-90	Pass
1450	-106.17	1	-90	Pass
1550	-106.57	1	-90	Pass
1650	-105.84	1	-90	Pass
1750	-107.61	1	-90	Pass
1850	-107.22	1	-90	Pass

1950	-104.59	1	-90	Pass
2050	-107.58	1	-90	Pass
2150	-107.14	1	-90	Pass
2250	-106.63	1	-90	Pass
2350	-107.14	1	-90	Pass
2450	-106.68	1	-90	Pass
2550	-107.55	1	-90	Pass
2650	-107.70	1	-90	Pass
2750	-106.83	1	-90	Pass
2850	-107.34	1	-90	Pass
2950	-107.74	1	-90	Pass
3050	-105.28	1	-90	Pass
3150	-103.42	1	-90	Pass
3250	-104.08	1	-90	Pass
3350	-106.84	1	-90	Pass
3450	-106.09	1	-90	Pass
3550	-104.12	1	-90	Pass
3650	-108.59	1	-90	Pass
3750	-105.84	1	-90	Pass
3850	-108.59	1	-90	Pass
3950	-107.06	1	-90	Pass
4050	-107.97	1	-90	Pass
4150	-105.74	1	-90	Pass
4250	-102.54	1	-90	Pass
4350	-101.47	1	-90	Pass
4450	-102.22	1	-90	Pass
4550	-101.33	1	-90	Pass
4650	-104.30	1	-90	Pass
4750	-104.96	1	-90	Pass
4850	-104.43	1	-90	Pass
4950	-100.09	1	-90	Pass
5050	-100.72	1	-90	Pass
5150	-102.35	1	-90	Pass
5250	-102.40	1	-90	Pass
5350	-106.68	1	-90	Pass
5450	-106.46	1	-90	Pass
5550	-104.07	1	-90	Pass
5650	-104.76	1	-90	Pass
5750	-103.72	1	-90	Pass
5850	-106.65	1	-90	Pass
5950	-102.97	1	-90	Pass
6050	-104.09	1	-90	Pass
6150	-101.47	1	-90	Pass
6250	-104.46	1	-90	Pass
6350	-102.77	1	-90	Pass
6450	-101.83	1	-90	Pass

6550	-102.20	1	-90	Pass
6650	-101.79	1	-90	Pass
6750	-102.74	1	-90	Pass
6850	-104.73	1	-90	Pass
6950	-99.40	1	-90	Pass
7050	-100.34	1	-90	Pass
7150	-102.47	1	-90	Pass
7250	-99.42	1	-90	Pass
7350	-98.52	1	-90	Pass
7450	-98.75	1	-90	Pass
7550	-99.31	1	-90	Pass
7650	-100.23	1	-90	Pass
7750	-98.56	1	-90	Pass
7850	-99.33	1	-90	Pass
7950	-99.55	1	-90	Pass

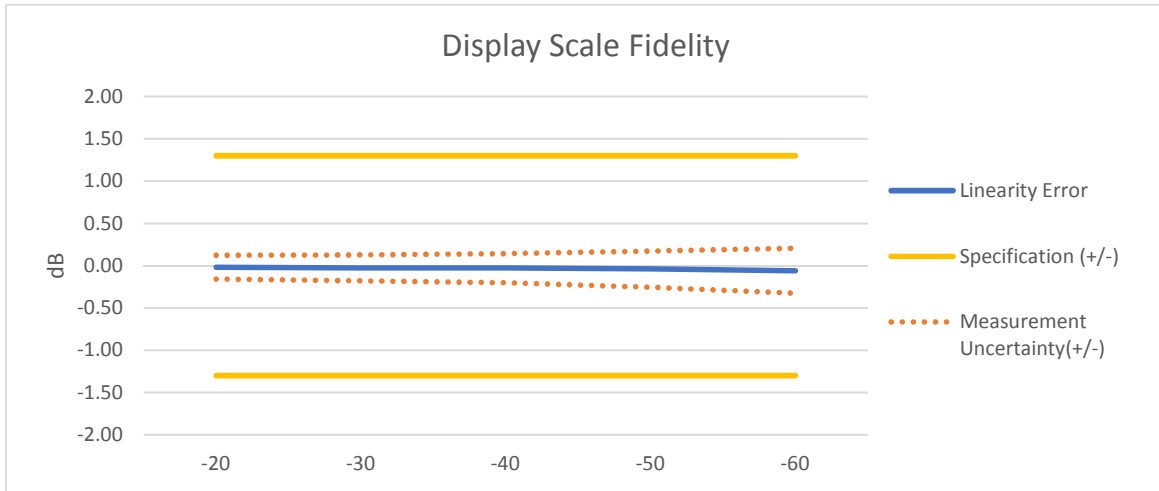
Phase Noise

Single Sideband (SSB) Phase Noise				
Fc 1GHz, RBW 10 KHz, VBW 1KHz, RMS detector				
Item No	Test Range	Specification		Result
#9	Carrier Offset			Pass
	30 KHz	-100 dBc/Hz (-102 dBc/Hz, typical)		
	100 KHz	-105 dBc/Hz (-112 dBc/Hz, typical)		
	1 MHz	-115 dBc/Hz (-120 dBc/Hz, typical)		

Item No	Phase Noise Offset	Measured Value	Specification (dBm)	Result
1.000 GHz	30 KHz	-103.0	-100	Pass
	100 KHz	-107.5	-105	Pass
	1 MHz	-117.0	-115	Pass

Display Scale Fidelity

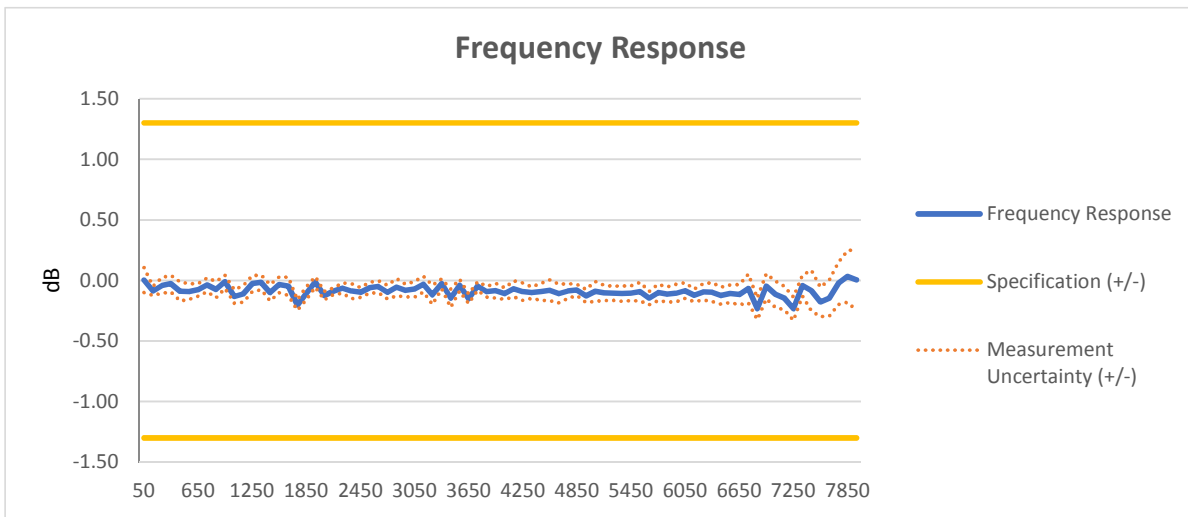
Item No	Test Range	Specification	Result
#10	1 MHz to 8 GHz	+/- 1.3 dB	Pass



Measured Input Level	Linearity Error	Measurement Uncertainty(+/-)	Specification (+/-)	Result
-20	-0.02	0.14	1.3	Pass
-30	-0.03	0.15	1.3	Pass
-40	-0.03	0.17	1.3	Pass
-50	-0.04	0.21	1.3	Pass
-60	-0.06	0.27	1.3	Pass

Frequency Response

Item No	Test Range	Specification	Result
#11	1 MHz to 8 GHz	+/- 1.3 dB	Pass



Frequency [MHz]	Frequency Response	Measurement Uncertainty (+/-)	Specification (+/-)	Result
50	0.00	0.10	1.3	Pass
150	-0.09	0.04	1.3	Pass
250	-0.04	0.06	1.3	Pass
350	-0.03	0.07	1.3	Pass
450	-0.09	0.08	1.3	Pass
550	-0.09	0.07	1.3	Pass
650	-0.08	0.05	1.3	Pass
750	-0.04	0.06	1.3	Pass
850	-0.07	0.07	1.3	Pass
950	-0.01	0.05	1.3	Pass
1050	-0.13	0.06	1.3	Pass
1150	-0.11	0.07	1.3	Pass
1250	-0.03	0.07	1.3	Pass
1350	-0.02	0.06	1.3	Pass
1450	-0.10	0.07	1.3	Pass
1550	-0.04	0.07	1.3	Pass
1650	-0.05	0.08	1.3	Pass
1750	-0.20	0.04	1.3	Pass
1850	-0.11	0.05	1.3	Pass
1950	-0.01	0.04	1.3	Pass
2050	-0.12	0.04	1.3	Pass
2150	-0.09	0.03	1.3	Pass
2250	-0.06	0.04	1.3	Pass
2350	-0.09	0.06	1.3	Pass
2450	-0.10	0.04	1.3	Pass
2550	-0.06	0.05	1.3	Pass

2650	-0.05	0.05	1.3	Pass
2750	-0.10	0.06	1.3	Pass
2850	-0.06	0.07	1.3	Pass
2950	-0.08	0.05	1.3	Pass
3050	-0.07	0.07	1.3	Pass
3150	-0.03	0.07	1.3	Pass
3250	-0.12	0.08	1.3	Pass
3350	-0.03	0.04	1.3	Pass
3450	-0.15	0.08	1.3	Pass
3550	-0.04	0.05	1.3	Pass
3650	-0.15	0.04	1.3	Pass
3750	-0.05	0.03	1.3	Pass
3850	-0.09	0.04	1.3	Pass
3950	-0.09	0.06	1.3	Pass
4050	-0.11	0.05	1.3	Pass
4150	-0.07	0.07	1.3	Pass
4250	-0.09	0.07	1.3	Pass
4350	-0.10	0.05	1.3	Pass
4450	-0.09	0.07	1.3	Pass
4550	-0.08	0.09	1.3	Pass
4650	-0.11	0.08	1.3	Pass
4750	-0.09	0.06	1.3	Pass
4850	-0.08	0.05	1.3	Pass
4950	-0.13	0.05	1.3	Pass
5050	-0.09	0.08	1.3	Pass
5150	-0.10	0.06	1.3	Pass
5250	-0.11	0.06	1.3	Pass
5350	-0.11	0.06	1.3	Pass
5450	-0.11	0.06	1.3	Pass
5550	-0.09	0.08	1.3	Pass
5650	-0.15	0.06	1.3	Pass
5750	-0.10	0.07	1.3	Pass
5850	-0.11	0.06	1.3	Pass
5950	-0.11	0.07	1.3	Pass
6050	-0.08	0.06	1.3	Pass
6150	-0.12	0.05	1.3	Pass
6250	-0.09	0.07	1.3	Pass
6350	-0.10	0.08	1.3	Pass
6450	-0.12	0.07	1.3	Pass
6550	-0.11	0.07	1.3	Pass
6650	-0.12	0.08	1.3	Pass
6750	-0.07	0.12	1.3	Pass
6850	-0.23	0.09	1.3	Pass
6950	-0.05	0.10	1.3	Pass
7050	-0.11	0.11	1.3	Pass
7150	-0.15	0.10	1.3	Pass

7250	-0.23	0.10	1.3	Pass
7350	-0.04	0.09	1.3	Pass
7450	-0.08	0.17	1.3	Pass
7550	-0.18	0.12	1.3	Pass
7650	-0.14	0.15	1.3	Pass
7750	-0.02	0.18	1.3	Pass
7850	0.03	0.21	1.3	Pass
7950	0.00	0.25	1.3	Pass