

Appendix A. System Verification of Result

Tissue Verification

The measuring results for tissue simulating liquid are shown as below.

Note:

The dielectric properties of the tissue simulating liquid have been measured within 24 hours before the SAR testing and within ± 10 % of the target values. Liquid temperature during the SAR testing has kept within ± 2 °C.

System Validation

The SAR measurement system was validated according to procedures in KDB 865664 D01. The validation status in tabulated summary is as below.

System Verification

Note:

Comparing to the reference SAR value provided by SPEAG in dipole calibration certificate, the deviation of system check results is within its specification of 10 %. The result indicates the system check can meet the variation criterion and the plots please refer to Appendix AA-1 of this report.

Head System Validation & System Verification

Frequency (MHz)	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (εr)	Targeted Conductivity (σ)	Targeted Permittivity (εr)	Deviation Conductivity (σ)	Deviation Permittivity (εr)	Sensitivity Range	Probe Linearity	Probe Isotropy	Modulation Type	Duty Factor	PAR	Date	Frequency (MHz)	Targeted 1g SAR (W/kg)	Measured 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Dipole S/N	Probe S/N	DAE S/N
750	23.3	0.895	41.325	0.89	41.9	0.56	-1.37	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 12, 2021	750	8.48	0.402	8.04	-5.19	1013	7554	1590
750	23.3	0.928	43.42	0.89	41.9	4.27	3.63	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 14, 2021	750	8.48	0.391	7.82	-7.78	1013	7554	1590
750	23.3	0.895	43.887	0.89	41.9	0.56	4.74	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 24, 2021	750	8.48	0.455	9.10	7.31	1013	7472	1585
750	23.3	0.891	44.351	0.89	41.9	0.11	5.85	Pass	Pass	Pass	N/A	N/A	Pass	Feb. 01, 2021	750	8.48	0.437	8.74	3.07	1013	7472	1585
750	23.3	0.886	43.446	0.89	41.9	-0.45	3.69	Pass	Pass	Pass	N/A	N/A	Pass	Feb. 01, 2021	750	8.48	0.405	8.10	-4.48	1013	7537	1431
750	23.3	0.892	43.547	0.89	41.9	0.22	3.93	Pass	Pass	Pass	N/A	N/A	Pass	Feb. 02, 2021	750	8.48	0.389	7.78	-8.25	1013	3650	861
750	23.1	0.886	43.435	0.89	41.9	-0.45	3.66	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 03, 2021	750	8.48	0.389	7.78	-8.25	1013	7554	1590
750	23.1	0.89	43.195	0.89	41.9	0.00	3.09	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 04, 2021	750	8.48	0.389	7.78	-8.25	1013	7537	1431
750	23.3	0.895	43.07	0.89	41.9	0.56	2.79	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 19, 2021	750	8.48	0.401	8.02	-5.42	1013	7472	1585
835	23.2	0.919	41.747	0.9	41.5	2.11	0.60	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 13, 2021	835	9.52	0.501	10.02	5.25	4d121	7554	1590
835	23.3	0.904	41.316	0.9	41.5	0.44	-0.44	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 14, 2021	835	9.52	0.452	9.04	-5.04	4d121	7554	1590
835	23.3	0.915	41.717	0.9	41.5	1.67	0.52	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 30, 2021	835	9.52	0.505	10.10	6.09	4d121	7537	1431
835	23.3	0.909	41.685	0.9	41.5	1.00	0.45	Pass	Pass	Pass	N/A	N/A	Pass	Feb. 01, 2021	835	9.52	0.506	10.12	6.30	4d121	7472	1585
835	23.3	0.928	41.919	0.9	41.5	3.11	1.01	Pass	Pass	Pass	N/A	N/A	Pass	Feb. 03, 2021	835	9.52	0.509	10.18	6.93	4d121	7472	1585
835	23.1	0.931	42.969	0.9	41.5	3.44	3.54	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 03, 2021	835	9.52	0.515	10.30	8.19	4d121	3887	905
835	23.1	0.931	42.969	0.9	41.5	3.44	3.54	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 03, 2021	835	9.52	0.513	10.26	7.77	4d121	7472	1585
835	23.1	0.931	42.969	0.9	41.5	3.44	3.54	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 03, 2021	835	9.52	0.498	9.96	4.62	4d121	7554	1590
835	23.1	0.919	40.71	0.9	41.5	2.11	-1.90	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 04, 2021	835	9.52	0.501	10.02	5.25	4d121	3887	905
1750	23.3	1.343	41.026	1.37	40.1	-1.97	2.31	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 11, 2021	1750	36.00	1.72	34.40	-4.44	1055	7554	1590
1750	23.2	1.323	39.022	1.37	40.1	-3.43	-2.69	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 13, 2021	1750	36.00	1.75	35.00	-2.78	1055	7554	1590
1750	23.3	1.326	40.149	1.37	40.1	-3.21	0.12	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 14, 2021	1750	36.00	1.67	33.40	-7.22	1055	7554	1590
1750	23.2	1.319	40.624	1.37	40.1	-3.72	1.31	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 15, 2021	1750	36.00	1.68	33.60	-6.67	1055	7554	1590
1750	23.3	1.321	39.14	1.37	40.1	-3.58	-2.39	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 24, 2021	1750	36.00	1.71	34.20	-5.00	1055	7472	1585
1750	23.3	1.332	39.577	1.37	40.1	-2.77	-1.30	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 27, 2021	1750	36.00	1.8	36.00	0.00	1055	7472	1585
1750	23.3	1.319	40.236	1.37	40.1	-3.72	0.34	Pass	Pass	Pass	N/A	N/A	Pass	Feb. 02, 2021	1750	36.00	1.92	38.40	6.67	1055	3650	861
1750	23.1	1.329	40.317	1.37	40.1	-2.99	0.54	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 03, 2021	1750	36.00	1.78	35.60	-1.11	1055	3887	905
1750	23.1	1.329	40.317	1.37	40.1	-2.99	0.54	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 03, 2021	1750	36.00	1.71	34.20	-5.00	1055	7554	1590
1750	23.1	1.33	39.983	1.37	40.1	-2.92	-0.29	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 04, 2021	1750	36.00	1.71	34.20	-5.00	1055	3887	905
1900	23.2	1.329	39.813	1.4	40	-5.07	-0.47	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 22, 2021	1900	40.40	1.87	37.40	-7.43	5d036	7555	1589
1900	23.3	1.459	40.615	1.4	40	4.21	1.54	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 11, 2021	1900	40.40	1.86	37.20	-7.92	5d036	7554	1590
1900	23.2	1.458	38.53	1.4	40	4.14	-3.68	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 13, 2021	1900	40.40	1.95	39.00	-3.47	5d036	7554	1590
1900	23.3	1.454	39.605	1.4	40	3.86	-0.99	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 14, 2021	1900	40.40	1.82	36.40	-9.90	5d036	7554	1590
1900	23.2	1.456	39.753	1.4	40	4.00	-0.62	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 15, 2021	1900	40.40	1.85	37.00	-8.42	5d036	7554	1590
1900	23.3	1.444	38.836	1.4	40	3.14	-2.91	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 30, 2021	1900	40.40	1.89	37.80	-6.44	5d036	7554	679
1900	23.3	1.454	40.453	1.4	40	3.86	1.13	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 30, 2021	1900	40.40	1.86	37.20	-7.92	5d036	7537	1431
1900	23.3	1.486	41.865	1.4	40	6.14	4.66	Pass	Pass	Pass	N/A	N/A	Pass	Feb. 01, 2021	1900	40.40	1.89	37.80	-6.44	5d036	7472	1585
1900	23.3	1.448	38.478	1.4	40	3.43	-3.81	Pass	Pass	Pass	N/A	N/A	Pass	Feb. 03, 2021	1900	40.40	2.01	40.20	-0.50	5d036	7472	1585
1900	23.1	1.455	39.669	1.4	40	3.93	-0.83	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 03, 2021	1900	40.40	1.85	37.00	-8.42	5d036	3887	905
1900	23.1	1.455	39.669	1.4	40	3.93	-0.83	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 03, 2021	1900	40.40	1.85	37.00	-8.42	5d036	7554	1590
1900	23.1	1.455	39.669	1.4	40	3.93	-0.83	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 03, 2021	1900	40.40	1.99	39.80	-1.49	5d036	3887	905
1900	23.1	1.455	39.419	1.4	40	3.93	-1.45	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 04, 2021	1900	40.40	2.13	42.60	5.45	5d036	7472	1585
1900	23.1	1.455	39.419	1.4	40	3.93	-1.45	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 04, 2021	1900	40.40	2.19	43.80	8.42	5d036	3887	905
1900	23.1	1.455	39.419	1.4	40	3.93	-1.45	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 04, 2021	1900	40.40	1.95	39.00	-3.47	5d036	7537	1431
2300	23.3	1.715	38.608	1.67	39.5	2.69	-2.26	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 14, 2021	2300	49.20	2.25	45.00	-8.54	1004	7554	1590
2300	23.2	1.721	39.909	1.67	39.5	3.05	1.04	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 15, 2021	2300	49.20	2.22	44.40	-9.76	1004	7554	1590
2300	23.3	1.729	38.878	1.67	39.5	3.53	-1.57	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 31, 2021	2300	49.20	2.52	50.40	2.44	1004	7472	1585
2300	23.3	1.721	39.909	1.67	39.5	3.05	1.04	Pass	Pass	Pass	N/A	N/A	Pass	Feb. 03, 2021	2300	49.20	2.25	45.00	-8.54	1004	7472	1585
2300	23.1	1.73	39.473	1.67	39.5	3.59	-0.07	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 03, 2021	2300	49.20	2.59	51.80	5.28	1004	3887	905
2300	23.1	1.723	40.066	1.67	39.5	3.17	1.43	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 05, 2021	2300	49.20	2.59	51.80	5.28	1004	3887	905
2450	23.4	1.87	39.047	1.8	39.2	3.89	-0.39	Pass	Pass	Pass	OFDM	N/A	Pass	Feb. 25, 2021	2450	51.60	2.58	51.60	0.00	737	7537	1431
2450	23.1	1.888	39.547	1.8	39.2	4.89	0.89	Pass	Pass	Pass	OFDM	N/A	Pass	Mar. 05, 2021	2450	51.60	2.35	47.00	-8.91	737	3887	905
2450	23.4	1.884	39.285	1.8	39.2	4.67	0.22	Pass	Pass	Pass	OFDM	N/A	Pass	Mar. 10, 2021	2450	51.60	2.44	48.80	-5.43	737	7537	1431
2600	23.3	2.004	38.779	1.96	39	2.24	-0.57	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 12, 2021	2600	55.50	2.68	53.60	-3.42	1020	7554	1590
2600	23.3	2.022	37.58	1.96	39	3.16	-3.64	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 14, 2021	2600	55.50	2.52	50.40	-9.19	1020	7554	1590
2600	23.2	2.033	38.814	1.96	39	3.72	-0.48	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 15, 2021	2600	55.50	2.61	52.20	-5.95	1020	7554	1590
2600	23.2	2.029	38.503	1.96	39	3.52	-1.27	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 22, 2021	2600	55.50	2.85	57.00	2.70	1020	7555	1589
2600	23.3	2.044	37.844	1.96	39	4.29	-2.96	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 31, 2021	2600	55.50	2.55	51.00	-8.11	1020	7472	1585
2600	23.1	2.012	38.257	1.96	39	2.65	-1.91	Pass	Pass	Pass	N/A	N/A	Pass	Feb. 02, 2021	2600	55.50	2.56	51.20	-7.75	1020	7537	1431
2600	23.3	2.034	38.245	1.96	39	3.78	-1.94	Pass	Pass	Pass	N/A	N/A	Pass	Feb. 02, 2021	2600	55.50	2.54	50.80	-8.47	1020	7472	1585

Body-worn System Validation&System Verification

Frequency (MHz)	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (εr)	Targeted Conductivity (σ)	Targeted Permittivity (εr)	Deviation Conductivity (σ)	Deviation Permittivity (εr)	Sensitivity Range	Probe Linearity	Probe Isotropy	Modulation Type	Duty Factor	PAR	Date	Frequency (MHz)	Targeted 1g SAR (W/kg)	Measured 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Dipole S/N	Probe S/N	DAE S/N
750	23	0.893	42.955	0.89	41.9	0.34	2.52	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 13, 2021	750	8.48	0.401	8.02	-5.42	1013	7350	679
750	23.2	0.893	43.414	0.89	41.9	0.34	3.61	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 17, 2021	750	8.48	0.414	8.28	-2.36	1013	7350	679
750	23.3	0.893	43.558	0.89	41.9	0.34	3.96	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 21, 2021	750	8.48	0.415	8.30	-2.12	1013	7350	679
750	23.3	0.89	43.301	0.89	41.9	0.00	3.34	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 22, 2021	750	8.48	0.389	7.78	-8.25	1013	7554	1590
750	23.1	0.9	41.7	0.89	41.9	1.12	-0.48	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 23, 2021	750	8.48	0.386	7.72	-8.96	1013	7554	1590
750	23.3	0.893	43.388	0.89	41.9	0.34	3.55	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 29, 2021	750	8.48	0.449	8.98	5.90	1013	7472	1585
750	23.3	0.895	43.07	0.89	41.9	0.56	2.79	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 19, 2021	750	8.48	0.401	8.02	-5.42	1013	7472	1585
835	23	0.927	42.44	0.9	41.5	3.00	2.27	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 16, 2021	835	9.52	0.498	9.96	4.62	4d121	7350	679
835	23.1	0.921	42.331	0.9	41.5	2.33	2.00	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 19, 2021	835	9.52	0.479	9.58	0.63	4d121	7472	1585
835	23.1	0.951	43.014	0.9	41.5	5.67	3.65	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 20, 2021	835	9.52	0.502	10.04	5.46	4d121	7472	1585
835	23.1	0.921	41.952	0.9	41.5	2.33	1.09	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 21, 2021	835	9.52	0.509	10.18	6.93	4d121	7472	1585
835	23.3	0.909	42.321	0.9	41.5	1.00	1.98	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 23, 2021	835	9.52	0.508	10.16	6.72	4d121	7472	1585
1750	23	1.318	39.352	1.37	40.1	-3.80	-1.87	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 15, 2021	1750	36.00	1.95	39.00	8.33	1055	7350	679
1750	23.2	1.332	39.524	1.37	40.1	-2.77	-1.44	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 17, 2021	1750	36.00	1.81	36.20	0.56	1055	7350	679
1750	23.3	1.319	39.296	1.37	40.1	-3.72	-2.00	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 21, 2021	1750	36.00	1.8	36.00	0.00	1055	7350	679
1750	23.3	1.325	38.807	1.37	40.1	-3.28	-3.22	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 25, 2021	1750	36.00	1.78	35.60	-1.11	1055	7472	1585
1750	23.3	1.332	39.577	1.37	40.1	-2.77	-1.30	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 27, 2021	1750	36.00	1.8	36.00	0.00	1055	7472	1585
1900	23	1.457	39.583	1.4	40	4.07	-1.04	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 14, 2021	1900	39.40	1.85	37.00	-6.09	5d018	7350	679
1900	23.2	1.459	39	1.4	40	4.21	-2.50	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 17, 2021	1900	39.40	2.02	40.40	2.54	5d018	7350	679
1900	23.1	1.444	38.835	1.4	40	3.14	-2.91	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 19, 2021	1900	39.40	2.07	41.40	5.08	5d018	7472	1585
1900	23.3	1.453	39.346	1.4	40	3.79	-1.64	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 23, 2021	1900	39.40	2	40.00	1.52	5d018	7554	1590
1900	23.3	1.464	38.164	1.4	40	4.57	-4.59	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 23, 2021	1900	39.40	1.81	36.20	-8.12	5d018	7472	1585
2300	23.3	1.715	38.617	1.67	39.5	2.69	-2.24	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 21, 2021	2300	48.00	2.36	47.20	-1.67	1092	7554	1590
2300	23.1	1.708	38.531	1.67	39.5	2.28	-2.45	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 21, 2021	2300	48.00	2.5	50.00	4.17	1092	7472	1585
2300	23.3	1.715	39.74	1.67	39.5	2.69	0.61	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 25, 2021	2300	48.00	2.53	50.60	5.42	1092	7472	1585
2450	23.3	1.843	38.569	1.8	39.2	2.39	-1.61	Pass	Pass	Pass	OFDM	N/A	Pass	Feb. 22, 2021	2450	51.60	2.79	55.80	8.14	737	7472	1585
2450	23.3	1.885	38.338	1.8	39.2	4.72	-2.20	Pass	Pass	Pass	OFDM	N/A	Pass	Feb. 24, 2021	2450	51.60	2.72	54.40	5.43	737	7472	1585
2450	23.3	1.824	38.456	1.8	39.2	1.33	-1.90	Pass	Pass	Pass	OFDM	N/A	Pass	Mar. 05, 2021	2450	51.60	2.76	55.20	6.98	737	7472	1585
2600	23.3	2.029	37.61	1.96	39	3.52	-3.56	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 21, 2021	2600	55.50	2.55	51.00	-8.11	1020	7554	1590
2600	23.1	2.018	37.452	1.96	39	2.96	-3.97	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 21, 2021	2600	55.50	2.56	51.20	-7.75	1020	7472	1585
2600	23.3	2.048	38.644	1.96	39	4.49	-0.91	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 25, 2021	2600	55.50	2.55	51.00	-8.11	1020	7472	1585
2600	23.3	2.048	38.471	1.96	39	4.49	-1.36	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 26, 2021	2600	55.50	3.05	61.00	9.91	1020	7472	1585
2600	23.3	2.034	37.395	1.96	39	3.78	-4.12	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 28, 2021	2600	55.50	2.66	53.20	-4.14	1020	7472	1585
2600	23.3	2.043	37.822	1.96	39	4.23	-3.02	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 30, 2021	2600	55.50	2.98	59.60	7.39	1020	7472	1585
2600	23.2	2.016	37.567	1.96	39	2.86	-3.67	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 10, 2021	2600	55.50	2.71	54.20	-2.34	1020	7554	1590
3500	23.1	2.894	36.487	2.91	37.9	-0.55	-3.73	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 20, 2021	3500	65.70	3.38	67.60	2.89	1067	7472	1585
3500	23.3	2.917	36.705	2.91	37.9	0.24	-3.15	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 26, 2021	3500	65.70	3.14	62.80	-4.41	1067	7472	1585
3500	23.3	2.856	38.764	2.91	37.9	-1.86	2.28	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 29, 2021	3500	65.70	3.18	63.60	-3.20	1067	7472	1585
3500	23.3	2.861	38.786	2.91	37.9	-1.68	2.34	Pass	Pass	Pass	N/A	N/A	Pass	Apr. 15, 2021	3500	65.70	3.39	67.80	3.20	1067	3650	1356
3500	23.3	2.861	38.786	2.91	37.9	-1.68	2.34	Pass	Pass	Pass	N/A	N/A	Pass	Apr. 15, 2021	3500	65.70	3.39	67.80	3.20	1067	3650	1356
3700	23.3	3.039	36.271	3.12	37.7	-2.60	-3.79	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 14, 2021	3700	66.50	3.3	66.00	-0.75	1074	7472	1585
3700	23.1	3.042	36.289	3.12	37.7	-2.50	-3.74	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 20, 2021	3700	66.50	3.08	61.60	-7.37	1074	7472	1585
3700	23.2	3.143	37.211	3.12	37.7	0.74	-1.30	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 23, 2021	3700	66.50	3.09	61.80	-7.07	1074	7555	1589
3700	23.3	3.065	36.508	3.12	37.7	-1.76	-3.16	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 26, 2021	3700	66.50	3.32	66.40	-0.15	1074	7472	1585
3700	23.3	3.044	38.421	3.12	37.7	-2.44	1.91	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 29, 2021	3700	66.50	3.42	68.40	2.86	1074	7472	1585
3700	23.1	3.084	36.775	3.12	37.7	-1.15	-2.45	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 30, 2021	3700	66.50	3.43	68.60	3.16	1074	7472	1585
3700	23.3	3.049	38.443	3.12	37.7	-2.28	1.97	Pass	Pass	Pass	N/A	N/A	Pass	Apr. 15, 2021	3700	66.50	3.53	70.60	6.17	1074	3650	1356
3700	23.3	3.049	38.443	3.12	37.7	-2.28	1.97	Pass	Pass	Pass	N/A	N/A	Pass	Apr. 15, 2021	3700	66.50	3.53	70.60	6.17	1074	3650	1356
3900	23.3	3.202	36.431	3.32	37.5	-3.55	-2.85	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 27, 2021	3900	70.60	3.34	66.80	-5.38	1020	7472	1585
5250	23.3	4.566	36.373	4.71	35.9	-3.06	1.32	Pass	Pass	Pass	OFDM	N/A	Pass	Feb. 23, 2021	5250	79.70	3.76	75.20	-5.65	1019	7472	1585
5600	23.3	4.905	35.889	5.07	35.5	-3.25	1.10	Pass	Pass	Pass	OFDM	N/A	Pass	Feb. 23, 2021	5600	83.80	4.08	81.60	-2.63	1019	7472	1585
5600	23.4	5.184	34.782	5.07	35.5	2.25	-2.02	Pass	Pass	Pass	OFDM	N/A	Pass	Feb. 24, 2021	5600	83.80	3.99	79.80	-4.77	1019	7537	1431
5750	23.3	5.051	35.682	5.22	35.4	-3.24	0.80	Pass	Pass	Pass	OFDM	N/A	Pass	Feb. 23, 2021	5750	80.40	3.89	77.80	-3.23	1019	7472	1585

Hotspot System Validation&System Verification

Frequency (MHz)	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (εr)	Targeted Conductivity (σ)	Targeted Permittivity (εr)	Deviation Conductivity (σ)	Deviation Permittivity (εr)	Sensitivity Range	Probe Linearity	Probe Isotropy	Modulation Type	Duty Factor	PAR	Date	Frequency (MHz)	Targeted 1g SAR (W/kg)	Measured 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Dipole S/N	Probe S/N	DAE S/N
750	23.2	0.901	42.724	0.89	41.9	1.24	1.97	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 12, 2021	750	8.48	0.436	8.72	2.83	1013	7555	1589
750	23	0.893	42.955	0.89	41.9	0.34	2.52	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 13, 2021	750	8.48	0.401	8.02	-5.42	1013	7350	679
750	23.5	0.905	42.383	0.89	41.9	1.69	1.15	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 19, 2021	750	8.48	0.412	8.24	-2.83	1013	7554	1590
750	23.2	0.9	42.18	0.89	41.9	N/A	0.67	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 21, 2021	750	8.48	0.434	8.68	2.36	1013	7555	1589
750	23.1	0.892	43.334	0.89	41.9	0.22	3.42	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 21, 2021	750	8.48	0.422	8.44	-0.47	1013	7472	1585
750	23.2	0.895	43.887	0.89	41.9	0.56	4.74	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 22, 2021	750	8.48	0.438	8.76	3.30	1013	7555	1589
750	23.1	0.894	43.839	0.89	41.9	0.45	4.63	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 25, 2021	750	8.48	0.432	8.64	1.89	1013	7537	1431
750	23.3	0.895	43.07	0.89	41.9	0.56	2.79	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 19, 2021	750	8.48	0.401	8.02	-5.42	1013	7472	1585
835	23.2	0.928	42.022	0.9	41.5	3.11	1.26	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 12, 2021	835	9.52	0.446	8.92	-6.30	4d121	7555	1589
835	23.2	0.918	42.396	0.9	41.5	2.00	2.16	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 13, 2021	835	9.52	0.448	8.96	-5.88	4d121	7555	1589
835	23.2	0.905	42.492	0.9	41.5	0.56	2.39	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 17, 2021	835	9.52	0.475	9.50	-0.21	4d121	7554	1590
835	23.3	0.905	42.447	0.9	41.5	N/A	0.56	2.28	Pass	Pass	N/A	N/A	Pass	Jan. 18, 2021	835	9.52	0.475	9.50	-0.21	4d121	7554	1590
835	23.3	0.901	42.636	0.9	41.5	0.11	2.74	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 20, 2021	835	9.52	0.474	9.48	-0.42	4d121	7554	1590
835	23.1	0.941	43.014	0.9	41.5	4.56	3.65	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 20, 2021	835	9.52	0.502	10.04	5.46	4d121	7472	1585
835	23.2	0.928	42.065	0.9	41.5	3.11	1.36	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 21, 2021	835	9.52	0.518	10.36	8.82	4d121	7555	1589
835	23.3	0.928	42.022	0.9	41.5	3.11	1.26	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 22, 2021	835	9.52	0.521	10.42	9.45	4d121	7555	1589
1750	23.4	1.332	39.524	1.37	40.1	-2.77	-1.44	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 13, 2021	1750	36.00	1.77	35.40	-1.67	1055	7555	1589
1750	23.5	1.321	40.14	1.37	40.1	-3.58	0.10	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 16, 2021	1750	36.00	1.67	33.40	-7.22	1055	7554	1590
1750	23.1	1.322	39.378	1.37	40.1	-3.50	-1.80	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 17, 2021	1750	36.00	1.7	34.00	-5.56	1055	7554	1590
1750	23.5	1.32	40.26	1.37	40.1	-3.65	0.40	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 19, 2021	1750	36.00	1.71	34.20	-5.00	1055	7554	1590
1750	23.2	1.329	39.813	1.37	40.1	-2.99	-0.72	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 21, 2021	1750	36.00	1.78	35.60	-1.11	1055	7555	1589
1750	23.1	1.326	38.856	1.37	40.1	-3.21	-3.10	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 25, 2021	1750	36.00	1.76	35.20	-2.22	1055	7537	1431
1750	23.1	1.323	40.671	1.37	40.1	-3.43	1.42	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 26, 2021	1750	36.00	1.72	34.40	-4.44	1055	7555	1589
1750	23.1	1.323	39.846	1.37	40.1	-3.43	-0.63	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 06, 2021	1750	36.00	1.89	37.80	5.00	1055	3887	905
1750	23.3	1.332	39.648	1.37	40.1	-2.77	-1.13	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 08, 2021	1750	36.00	1.71	34.20	-5.00	1055	3971	1277
1900	23.5	1.451	39.609	1.4	40	3.64	-0.98	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 16, 2021	1900	39.40	1.86	37.20	-5.58	5d018	7554	1590
1900	23.2	1.459	38.812	1.4	40	4.21	-2.97	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 17, 2021	1900	39.40	1.99	39.80	1.02	5d018	7554	1590
1900	23.5	1.456	39.705	1.4	40	4.00	-0.74	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 19, 2021	1900	39.40	1.85	37.00	-6.09	5d018	7554	1590
1900	23.3	1.453	39.346	1.4	40	3.79	-1.64	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 23, 2021	1900	39.40	2	40.00	1.52	5d018	7554	1590
1900	23.3	1.464	38.164	1.4	40	4.57	-4.59	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 23, 2021	1900	39.40	1.83	36.60	-7.11	5d018	7472	1585
1900	23.1	1.451	39.308	1.4	40	3.64	-1.73	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 06, 2021	1900	39.40	1.89	37.80	-4.06	5d018	3887	905
1900	23.3	1.461	39.14	1.4	40	4.36	-2.15	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 08, 2021	1900	39.40	2	40.00	1.52	5d018	3971	1277
2300	23.1	1.715	38.857	1.67	39.5	2.69	-1.63	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 18, 2021	2300	48.00	2.23	44.60	-7.08	1092	7472	1585
2300	23.2	1.715	39.517	1.67	39.5	2.69	0.04	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 21, 2021	2300	48.00	2.54	50.80	5.83	1092	7555	1589
2300	23.1	1.701	39.24	1.67	39.5	1.86	-0.66	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 25, 2021	2300	48.00	2.52	50.40	5.00	1092	7555	1589
2300	23.3	1.684	39.442	1.67	39.5	0.84	-0.15	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 08, 2021	2300	48.00	2.56	51.20	6.67	1092	3971	1277
2300	23.2	1.727	40.123	1.67	39.5	3.41	1.58	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 10, 2021	2300	48.00	2.43	48.60	1.25	1092	7472	1585
2450	23.3	1.885	38.338	1.8	39.2	4.72	-2.20	Pass	Pass	Pass	OFDM	N/A	Pass	Feb. 24, 2021	2450	51.60	2.72	54.40	5.43	737	7472	1585
2450	23.3	1.87	38.896	1.8	39.2	3.89	-0.78	Pass	Pass	Pass	OFDM	N/A	Pass	Feb. 26, 2021	2450	51.60	2.75	55.00	6.59	737	7472	1585
2450	23.3	1.873	38.318	1.8	39.2	4.06	-2.25	Pass	Pass	Pass	OFDM	N/A	Pass	Mar. 03, 2021	2450	51.60	2.42	48.40	-6.20	737	7472	1585
2450	23.1	1.888	39.547	1.8	39.2	4.89	0.89	Pass	Pass	Pass	OFDM	N/A	Pass	Mar. 05, 2021	2450	51.60	2.35	47.00	-8.91	737	3887	905
2600	23.2	2.049	37.692	1.96	39	4.54	-3.35	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 13, 2021	2600	55.50	2.75	55.00	-0.90	1020	7555	1589
2600	23.3	2.045	37.848	1.96	39	4.34	-2.95	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 20, 2021	2600	55.50	2.73	54.60	-1.62	1020	7557	1590
2600	23.1	2.011	38.179	1.96	39	2.60	-2.11	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 25, 2021	2600	55.50	2.55	51.00	-8.11	1020	7555	1589
2600	23.1	2.029	37.503	1.96	39	3.52	-3.84	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 25, 2021	2600	55.50	2.78	55.60	0.18	1020	7537	1431
2600	23.3	2.034	37.395	1.96	39	3.78	-4.12	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 28, 2021	2600	55.50	2.66	53.20	-4.14	1020	7472	1585
2600	23.3	2.033	38.814	1.96	39	3.72	-0.48	Pass	Pass	Pass	N/A	N/A	Pass	Feb. 03, 2021	2600	55.50	2.55	51.00	-8.11	1020	7472	1585
2600	23.1	2.038	38.803	1.96	39	3.98	-0.51	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 06, 2021	2600	55.50	2.65	53.00	-4.50	1020	3887	905
2600	23.3	1.975	38.417	1.96	39	0.77	-1.49	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 08, 2021	2600	55.50	2.61	52.20	-5.95	1020	3971	1277
2600	23.3	2.045	37.848	1.96	39	4.34	-2.95	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 09, 2021	2600	55.50	2.54	50.80	-8.47	1020	3971	1277
2600	23.2	2.029	38.02	1.96	39	3.52	-2.51	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 10, 2021	2600	55.50	2.56	51.20	-7.75	1020	7472	1585
2600	23.2	2.035	38.57	1.96	39	3.83	-1.10	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 11, 2021	2600	55.50	2.68	53.60	-3.42	1020	7472	1585
3500	23.1	2.935	36.962	2.91	37.9	0.86	-2.47	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 18, 2021	3500	65.70	2.98	59.60	-9.28	1067	7472	1585
3500	23.1	2.798	38.238	2.91	37.9	-3.85	0.89	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 25, 2021	3500	65.70	3.28	65.60	-0.15	1067	7537	1431
3500	23.2	2.931	37.828	2.91	37.9	0.72	-0.19	Pass	Pass	Pass	N/A	N/A	Pass	Feb. 27, 2021	3500	65.70	3.01	60.20	-8.37	1067	7555	1589
3500	23.2	2.922	37.444	2.91	37.9	0.41	-1.20	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 01, 2021	3500	65.70	2.99	59.80	-8.98	1067	7537	1431
3500	23.0	2.942	37.026	2.91	37.9	1.10	-2.31	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 07, 2021	3500	65.70	3.25	65.00	-1.07	1067	3887	905
3500	23.2	2.935	36.938	2.91	37.9	0.86	-2.54	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 09, 2021	3500	65.70	3.01	60.20	-8.37	1067	7472	1585
3500	23.2	2.922	37.455	2.91	37.9	0.41	-1.17	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 10, 2021	3500	65.70	3.11	62.20	-5.33	1067	7472	1585

Hotspot System Validation&System Verification

Frequency (MHz)	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (εr)	Targeted Conductivity (σ)	Targeted Permittivity (εr)	Deviation Conductivity (σ)	Deviation Permittivity (εr)	Sensitivity Range	Probe Linearity	Probe Isotropy	Modulation Type	Duty Factor	PAR	Date	Frequency (MHz)	Targeted 1g SAR (W/kg)	Measured 1g SAR (W/kg)	Normalized 1g SAR (W/kg)	Deviation (%)	Dipole S/N	Probe S/N	DAE S/N
3700	23.1	3.131	36.822	3.12	37.7	0.35	-2.33	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 26, 2021	3700	65.90	3.11	62.20	-5.61	1017	7555	1589
3700	23.2	3.143	37.211	3.12	37.7	0.74	-1.30	Pass	Pass	Pass	N/A	N/A	Pass	Feb. 27, 2021	3700	65.90	3.09	61.80	-6.22	1017	7555	1589
3700	23.2	3.131	36.822	3.12	37.7	0.35	-2.33	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 01, 2021	3700	65.90	3.05	61.00	-7.44	1017	7537	1431
3700	23.0	3.091	36.844	3.12	37.7	-0.93	-2.27	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 07, 2021	3700	65.90	3.12	62.40	-5.31	1017	3887	905
3700	23.2	3.084	36.775	3.12	37.7	-1.15	-2.45	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 09, 2021	3700	65.90	2.98	59.60	-9.56	1017	7472	1585
3700	23.2	3.132	36.827	3.12	37.7	0.38	-2.32	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 10, 2021	3700	65.90	3.15	63.00	-4.40	1017	7472	1585
3700	23.3	3.049	38.443	3.12	37.7	-2.28	1.97	Pass	Pass	Pass	OFDM	N/A	Pass	Apr. 15, 2021	3700	65.90	3.53	70.60	7.13	1017	3650	1356
3700	23.3	3.049	38.443	3.12	37.7	-2.28	1.97	Pass	Pass	Pass	OFDM	N/A	Pass	Apr. 15, 2021	3700	65.90	3.53	70.60	7.13	1017	3650	1356
3900	23.1	3.228	36.847	3.32	37.5	-2.77	-1.74	Pass	Pass	Pass	N/A	N/A	Pass	Jan. 26, 2021	3900	70.60	3.41	68.20	-3.40	1020	7555	1589
3900	23.2	3.228	36.845	3.32	37.5	-2.77	-1.75	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 09, 2021	3900	70.60	3.86	77.20	9.35	1020	7472	1585
5250	23.3	4.795	34.86	4.71	35.9	1.80	-2.90	Pass	Pass	Pass	OFDM	N/A	Pass	Feb. 24, 2021	5250	79.70	3.72	74.40	-6.65	1019	3971	1277
5250	23.3	4.519	37.125	4.71	35.9	-4.06	3.41	Pass	Pass	Pass	OFDM	N/A	Pass	Feb. 25, 2021	5250	79.70	3.74	74.80	-6.15	1019	7472	1585
5250	23.3	4.78	35.347	4.71	35.9	1.49	-1.54	Pass	Pass	Pass	OFDM	N/A	Pass	Mar. 03, 2021	5250	79.70	4.23	84.60	6.15	1019	7472	1585
5750	23.3	5.249	36.271	5.22	35.4	0.56	2.46	Pass	Pass	Pass	OFDM	N/A	Pass	Feb. 24, 2021	5750	80.40	3.63	72.60	-9.70	1019	3971	1277
5750	23.3	5.014	36.424	5.22	35.4	-3.95	2.89	Pass	Pass	Pass	OFDM	N/A	Pass	Feb. 25, 2021	5750	80.40	3.63	72.60	-9.70	1019	7472	1585
5750	23.3	5.313	34.366	5.22	35.4	1.78	-2.92	Pass	Pass	Pass	OFDM	N/A	Pass	Mar. 04, 2021	5750	80.40	3.68	73.60	-8.46	1019	7472	1585

Phablet System Validation&System Verification

Frequency (MHz)	Liquid Temp. (°C)	Conductivity (σ)	Permittivity (εr)	Targeted Conductivity (σ)	Targeted Permittivity (εr)	Deviation Conductivity (σ)	Deviation Permittivity (εr)	Sensitivity Range	Probe Linearity	Probe Isotropy	Modulation Type	Duty Factor	PAR	Date	Frequency (MHz)	Targeted 10g SAR (W/kg)	Measured 10g SAR (W/kg)	Normalized 10g SAR (W/kg)	Deviation (%)	Dipole S/N	Probe S/N	DAE S/N
1750	23.2	1.328	38.849	1.37	40.1	-3.07	-3.12	Pass	Pass	Pass	N/A	N/A	Pass	Feb. 24, 2021	1750	18.90	0.950	19.00	0.53	1055	3650	861
1900	23.2	1.457	38.276	1.4	40	4.07	-4.31	Pass	Pass	Pass	N/A	N/A	Pass	Feb. 24, 2021	1900	20.20	1.02	20.40	0.99	5d018	3650	861
1900	23.2	1.457	38.276	1.4	40	4.07	-4.31	Pass	Pass	Pass	N/A	N/A	Pass	Feb. 24, 2021	1900	20.20	1.02	20.40	0.99	5d018	3650	861
2300	23.3	1.73	39.49	1.67	39.5	3.59	-0.03	Pass	Pass	Pass	N/A	N/A	Pass	Feb. 20, 2021	2300	23.10	1.21	24.20	4.76	1092	7537	1431
2300	23.3	1.717	39.242	1.67	39.5	2.81	-0.65	Pass	Pass	Pass	N/A	N/A	Pass	Feb. 20, 2021	2300	23.10	1.09	21.80	-5.63	1092	7472	1585
2600	23.2	2.026	37.506	1.96	39	3.37	-3.83	Pass	Pass	Pass	N/A	N/A	Pass	Feb. 24, 2021	2600	25.00	1.25	25.00	0.00	1020	3650	861
2600	23.1	2.016	37.567	1.96	39	2.86	-3.67	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 09, 2021	2600	25.00	1.23	24.60	-1.60	1020	7554	1590
2600	23.2	2.005	37.66	1.96	39	2.30	-3.44	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 09, 2021	2600	25.00	1.13	22.60	-9.60	1020	7472	1585
2600	23.2	2.005	37.66	1.96	39	2.30	-3.44	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 09, 2021	2600	25.00	1.13	22.60	-9.60	1020	7472	1585
2600	23.2	2.029	38.02	1.96	39	3.52	-2.51	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 10, 2021	2600	25.00	1.14	22.80	-8.80	1020	7472	1585
2600	23.2	2.035	38.57	1.96	39	3.83	-1.10	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 11, 2021	2600	25.00	1.15	23.00	-8.00	1020	7472	1585
3500	23.1	2.895	36.468	2.91	37.9	-0.52	-3.78	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 09, 2021	3500	24.60	1.25	25.00	1.63	1067	7554	1590
3500	23.1	2.796	38.822	2.91	37.9	-3.92	2.43	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 09, 2021	3500	24.60	1.25	25.00	1.63	1067	7554	1590
3500	23.2	2.935	36.962	2.91	37.9	0.86	-2.47	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 09, 2021	3500	24.60	1.23	24.60	0.00	1067	7472	1585
3500	23.3	2.856	38.764	2.91	37.9	-1.86	2.28	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 09, 2021	3500	24.60	1.23	24.60	0.00	1067	7472	1585
3500	23.2	2.935	36.962	2.91	37.9	0.86	-2.47	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 09, 2021	3500	24.60	1.23	24.60	0.00	1067	7472	1585
3500	23.3	2.861	38.786	2.91	37.9	-1.68	2.34	Pass	Pass	Pass	N/A	N/A	Pass	Apr. 15, 2021	3500	24.60	1.33	26.60	8.13	1067	7472	1585
3700	23.1	3.038	36.273	3.12	37.7	-2.63	-3.79	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 09, 2021	3700	24.00	1.28	25.60	6.67	1017	7554	1590
3700	23.1	2.98	37.546	3.12	37.7	-4.49	-0.41	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 09, 2021	3700	24.00	1.28	25.60	6.67	1017	7554	1590
3700	23.2	3.084	36.775	3.12	37.7	-1.15	-2.45	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 09, 2021	3700	24.00	1.1	22.00	-8.33	1017	7472	1585
3700	23.1	3.133	36.83	3.12	37.7	0.42	-2.31	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 09, 2021	3700	24.00	1.1	22.00	-8.33	1017	7472	1585
3700	23.2	3.084	36.775	3.12	37.7	-1.15	-2.45	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 09, 2021	3700	24.00	1.1	22.00	-8.33	1017	7472	1585
3700	23.3	3.049	38.443	3.12	37.7	-2.28	1.97	Pass	Pass	Pass	N/A	N/A	Pass	Apr. 15, 2021	3700	24.00	1.31	26.20	9.17	1017	7472	1585
5250	23.3	4.766	36.972	4.71	35.9	1.19	2.99	Pass	Pass	Pass	N/A	N/A	Pass	Feb. 26, 2021	5250	22.80	1.11	22.20	-2.63	1019	7472	1585
5600	23.2	5.129	35.495	5.07	35.5	1.16	-0.01	Pass	Pass	Pass	N/A	N/A	Pass	Feb. 26, 2021	5600	23.70	1.19	23.80	0.42	1019	7472	1585
5600	23.2	5.129	35.495	5.07	35.5	1.16	-0.01	Pass	Pass	Pass	N/A	N/A	Pass	Feb. 26, 2021	5600	23.70	1.19	23.80	0.42	1019	7472	1585
5600	23.2	5.129	35.495	5.07	35.5	1.16	-0.01	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 07, 2021	5600	23.70	1.28	25.60	8.02	1019	7472	1585
5600	23.2	5.002	36.115	5.07	35.5	-1.34	1.73	Pass	Pass	Pass	N/A	N/A	Pass	Mar. 08, 2021	5600	23.70	1.29	25.80	8.86	1019	7472	1585