

Report No.: SEWA2309000114RG02

Rev.: 01

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Field Strength of Spurious Radiation

Test Band = NR SA Band 78 3700M-3800M_ TM1
Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7113.5	40.55	-43.97	35.52	-63.17	-13.00	50.17	Horizontal
2	8932	36.47	-40.98	36.33	-63.43	-13.00	50.43	Horizontal
3	10716.5	30.62	-38.22	38.56	-64.30	-13.00	51.30	Horizontal
4	12753.5	27.72	-36.79	39.03	-65.30	-13.00	52.30	Horizontal
5	14558.5	26.36	-35.17	41.12	-62.95	-13.00	49.95	Horizontal
6	17385.5	28.52	-35.02	44.03	-57.72	-13.00	44.72	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7788.5	38.84	-42.39	36.72	-62.09	-13.00	49.09	Vertical
2	9650	34.38	-39.19	37.54	-62.53	-13.00	49.53	Vertical
3	12217.5	28.18	-37.11	38.87	-65.33	-13.00	52.33	Vertical
4	15402.5	26.12	-33.83	40.45	-62.52	-13.00	49.52	Vertical
5	16462	28.17	-33.61	40.63	-60.06	-13.00	47.06	Vertical
6	17961	29.07	-34.43	46.62	-53.99	-13.00	40.99	Vertical



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 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t: (86-512) 62992980 www.sgs.com.cn
 t: (86-512) 62992980 sgs.china@sgs.com

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Test Band = UL MIMO n78 3700M-3800M_ TM1
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9573.8542	37.80	-37.86	38.54	-56.78	-13.00	43.78	285	360	Horizontal
2	13586.875	34.11	-34.35	39.95	-55.55	-13.00	42.55	254	108	Horizontal
3	17336.3542	33.42	-31.77	39.95	-53.67	-13.00	40.67	142	3	Horizontal
4	7482.18	39.76	-41.66	36.49	-60.67	-13.00	47.67	263	256	Horizontal
5	11223.27	32.86	-35.10	39.38	-58.12	-13.00	45.12	254	182	Horizontal
6	14964.36	31.32	-34.32	39.24	-59.02	-13.00	46.02	146	129	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9557.0833	37.90	-37.92	38.54	-56.73	-13.00	43.73	196	313	Vertical
2	13592.1458	34.21	-34.38	39.96	-55.47	-13.00	42.47	265	130	Vertical
3	17948.25	32.51	-31.24	42.39	-51.60	-13.00	38.60	284	4	Vertical
4	7482.18	39.75	-41.66	36.49	-60.68	-13.00	47.68	142	360	Vertical
5	11223.27	32.55	-35.10	39.38	-58.43	-13.00	45.43	263	111	Vertical
6	14964.36	31.79	-34.32	39.24	-58.55	-13.00	45.55	228	111	Vertical



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 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t: (86-512) 62992980 www.sgs.com.cn
 t: (86-512) 62992980 sgs.china@sgs.com

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Test Band = DC_5A-n78A 3700M-3800M_ TM1
Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5806	53.11	-104.65	-51.54	-13.00	38.54	163	126	Horizontal
2	7310.18	48.58	-100.63	-52.05	-13.00	39.05	251	299	Horizontal
3	10288.3333	46.13	-93.26	-47.13	-13.00	34.13	142	229	Horizontal
4	10965.27	41.82	-91.32	-49.50	-13.00	36.50	284	56	Horizontal
5	14620.36	42.65	-89.81	-47.16	-13.00	34.16	176	207	Horizontal
6	17694.3333	46.90	-84.98	-38.08	-13.00	25.08	255	56	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5898.1667	59.46	-104.42	-44.96	-13.00	31.96	163	117	Vertical
2	7310.18	47.96	-100.63	-52.67	-13.00	39.67	251	159	Vertical
3	8823	48.79	-95.80	-47.01	-13.00	34.01	142	57	Vertical
4	10965.27	42.59	-91.32	-48.73	-13.00	35.73	266	228	Vertical
5	14620.36	40.78	-89.81	-49.03	-13.00	36.03	255	289	Vertical
6	17812.1667	42.37	-84.33	-41.96	-13.00	28.96	188	168	Vertical



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 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区阳澄湖1号的6号厂房南楼 邮编: 215000

t: (86-512) 62992980 www.sgs.com.cn
 t: (86-512) 62992980 sgs.china@sgs.com

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Test Band = DC_5A-n78A 3700M-3800M_ TM1
Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6020.6667	52.37	-103.68	-51.31	-13.00	38.31	263	357	Horizontal
2	7410.18	48.01	-100.76	-52.75	-13.00	39.75	241	328	Horizontal
3	8772.8333	49.09	-95.94	-46.85	-13.00	33.85	178	357	Horizontal
4	11115.27	44.17	-90.92	-46.75	-13.00	33.75	265	1	Horizontal
5	14820.36	41.58	-89.81	-48.23	-13.00	35.23	241	25	Horizontal
6	17694.3333	47.63	-84.98	-37.35	-13.00	24.35	153	298	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5898.1667	57.22	-104.42	-47.20	-13.00	34.20	142	117	Vertical
2	7410.18	47.76	-100.76	-53.00	-13.00	40.00	263	87	Vertical
3	8677.1667	48.35	-96.35	-48.00	-13.00	35.00	284	349	Vertical
4	11115.27	42.82	-90.92	-48.10	-13.00	35.10	176	87	Vertical
5	14820.36	41.26	-89.81	-48.55	-13.00	35.55	254	279	Vertical
6	17847.1667	43.36	-84.29	-40.93	-13.00	27.93	188	56	Vertical



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t: (86-512) 62992980 www.sgs.com.cn
 t: (86-512) 62992980 sgs.china@sgs.com

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Test Band = DC_5A-n78A 3700M-3800M_ TM1
Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	7510.18	47.69	-100.29	-52.60	-13.00	39.60	263	210	Horizontal
2	9129.8333	47.66	-95.23	-47.57	-13.00	34.57	251	131	Horizontal
3	11265.27	42.40	-91.08	-48.68	-13.00	35.68	142	96	Horizontal
4	13621.5	45.87	-89.80	-43.93	-13.00	30.93	284	210	Horizontal
5	15020.36	41.98	-90.39	-48.41	-13.00	35.41	176	254	Horizontal
6	17694.3333	46.76	-84.98	-38.22	-13.00	25.22	254	340	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6677.5	52.27	-101.92	-49.65	-13.00	36.65	142	318	Vertical
2	7510.18	48.73	-100.29	-51.56	-13.00	38.56	263	357	Vertical
3	9306	49.58	-95.04	-45.46	-13.00	32.46	284	307	Vertical
4	11265.27	43.12	-91.08	-47.96	-13.00	34.96	176	136	Vertical
5	15020.36	42.16	-90.39	-48.23	-13.00	35.23	255	56	Vertical
6	17694.3333	42.24	-84.98	-42.74	-13.00	29.74	144	4	Vertical



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t: (86-512) 62992980 www.sgs.com.cn
 t: (86-512) 62992980 sgs.china@sgs.com

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Test Band = DC_7A-n78A 3700M-3800M_ TM1
Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5898.1667	56.06	-104.42	-48.36	-13.00	35.36	263	178	Horizontal
2	7310.18	48.20	-100.63	-52.43	-13.00	39.43	251	4	Horizontal
3	9269.8333	48.68	-95.03	-46.35	-13.00	33.35	142	17	Horizontal
4	10965.27	42.78	-91.32	-48.54	-13.00	35.54	263	337	Horizontal
5	14620.36	40.15	-89.81	-49.66	-13.00	36.66	251	228	Horizontal
6	17694.3333	46.41	-84.98	-38.57	-13.00	25.57	146	0	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5898.1667	58.57	-104.42	-45.85	-13.00	32.85	263	98	Vertical
2	7310.18	48.13	-100.63	-52.50	-13.00	39.50	251	197	Vertical
3	8756.5	49.61	-96.01	-46.40	-13.00	33.40	142	318	Vertical
4	10965.27	42.26	-91.32	-49.06	-13.00	36.06	284	307	Vertical
5	14620.36	39.85	-89.81	-49.96	-13.00	36.96	176	318	Vertical
6	17648.8333	42.00	-85.54	-43.54	-13.00	30.54	254	177	Vertical



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 t: (86-512) 62992980 sgs.china@sgs.com

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Test Band = DC_7A-n78A 3700M-3800M_ TM1
Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6206.1667	51.59	-102.82	-51.23	-13.00	38.23	263	48	Horizontal
2	7410.18	48.45	-100.76	-52.31	-13.00	39.31	251	169	Horizontal
3	8730.8333	49.79	-96.11	-46.32	-13.00	33.32	142	329	Horizontal
4	11115.27	43.30	-90.92	-47.62	-13.00	34.62	286	308	Horizontal
5	14820.36	41.44	-89.81	-48.37	-13.00	35.37	241	209	Horizontal
6	17694.3333	47.62	-84.98	-37.36	-13.00	24.36	175	5	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5898.1667	59.30	-104.42	-45.12	-13.00	32.12	263	109	Vertical
2	7410.18	48.65	-100.76	-52.11	-13.00	39.11	281	219	Vertical
3	8700.5	49.13	-96.24	-47.11	-13.00	34.11	145	289	Vertical
4	11115.27	42.48	-90.92	-48.44	-13.00	35.44	263	158	Vertical
5	14820.36	40.76	-89.81	-49.05	-13.00	36.05	255	320	Vertical
6	17477.3333	42.03	-86.61	-44.58	-13.00	31.58	144	340	Vertical



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Test Band = DC_7A-n78A 3700M-3800M_ TM1
Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5898.1667	55.95	-104.42	-48.47	-13.00	35.47	263	246	Horizontal
2	7510.18	49.50	-100.29	-50.79	-13.00	37.79	251	267	Horizontal
3	9344.5	49.44	-94.76	-45.32	-13.00	32.32	142	75	Horizontal
4	11265.27	43.17	-91.08	-47.91	-13.00	34.91	286	127	Horizontal
5	15020.36	42.66	-90.39	-47.73	-13.00	34.73	254	237	Horizontal
6	17694.3333	48.45	-84.98	-36.53	-13.00	23.53	144	0	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5898.1667	58.34	-104.42	-46.08	-13.00	33.08	263	118	Vertical
2	7510.18	48.65	-100.29	-51.64	-13.00	38.64	251	357	Vertical
3	9153.1667	48.57	-95.12	-46.55	-13.00	33.55	142	10	Vertical
4	11265.27	43.21	-91.08	-47.87	-13.00	34.87	263	338	Vertical
5	15020.36	42.71	-90.39	-47.68	-13.00	34.68	284	357	Vertical
6	17860	43.01	-84.28	-41.27	-13.00	28.27	166	48	Vertical



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 中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编：215000

t: (86-512) 62992980 www.sgs.com.cn
 t: (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWA2309000114RG02

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Test Band = DC_38A-n78A 3700M-3800M_ TM1
Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6250.5	51.93	-102.86	-50.93	-13.00	37.93	211	10	Horizontal
2	7310.18	49.19	-100.63	-51.44	-13.00	38.44	142	357	Horizontal
3	8772.8333	49.56	-95.94	-46.38	-13.00	33.38	255	157	Horizontal
4	10965.27	42.41	-91.32	-48.91	-13.00	35.91	263	278	Horizontal
5	14620.36	41.25	-89.81	-48.56	-13.00	35.56	255	157	Horizontal
6	17694.3333	47.19	-84.98	-37.79	-13.00	24.79	214	0	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6634.3333	52.98	-102.10	-49.12	-13.00	36.12	263	105	Vertical
2	7310.18	48.83	-100.63	-51.80	-13.00	38.80	251	44	Vertical
3	9128.6667	48.79	-95.24	-46.45	-13.00	33.45	142	105	Vertical
4	10965.27	43.21	-91.32	-48.11	-13.00	35.11	263	287	Vertical
5	14620.36	40.50	-89.81	-49.31	-13.00	36.31	298	217	Vertical
6	17877.5	42.61	-84.26	-41.65	-13.00	28.65	274	278	Vertical



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 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区阳澄湖1号的6号厂房南楼 邮编: 215000

t: (86-512) 62992980 www.sgs.com.cn
 t: (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWA2309000114RG02

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Test Band = DC_38A-n78A 3700M-3800M_ TM1
Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5456	53.44	-105.50	-52.06	-13.00	39.06	241	357	Horizontal
2	7410.18	47.68	-100.76	-53.08	-13.00	40.08	152	0	Horizontal
3	9341	49.71	-94.78	-45.07	-13.00	32.07	263	247	Horizontal
4	11115.27	42.49	-90.92	-48.43	-13.00	35.43	265	76	Horizontal
5	14820.36	42.90	-89.81	-46.91	-13.00	33.91	241	338	Horizontal
6	17694.3333	47.15	-84.98	-37.83	-13.00	24.83	188	237	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5898.1667	58.45	-104.42	-45.97	-13.00	32.97	263	288	Vertical
2	7410.18	48.18	-100.76	-52.58	-13.00	39.58	241	117	Vertical
3	8714.5	49.87	-96.18	-46.31	-13.00	33.31	175	347	Vertical
4	11115.27	43.59	-90.92	-47.33	-13.00	34.33	263	186	Vertical
5	14820.36	41.39	-89.81	-48.42	-13.00	35.42	285	95	Vertical
6	17694.3333	44.41	-84.98	-40.57	-13.00	27.57	241	227	Vertical



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 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t: (86-512) 62992980 www.sgs.com.cn
 t: (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWA2309000114RG02

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Test Band = DC_38A-n78A 3700M-3800M_ TM1
Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6339.1667	52.40	-102.77	-50.37	-13.00	37.37	263	27	Horizontal
2	7510.18	47.99	-100.29	-52.30	-13.00	39.30	251	178	Horizontal
3	8141.6667	49.44	-97.84	-48.40	-13.00	35.40	142	48	Horizontal
4	11265.27	44.38	-91.08	-46.70	-13.00	33.70	263	267	Horizontal
5	15020.36	42.90	-90.39	-47.49	-13.00	34.49	284	97	Horizontal
6	17666.3333	41.25	-85.33	-44.08	-13.00	31.08	177	1	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	6094.1667	51.87	-103.48	-51.61	-13.00	38.61	263	98	Vertical
2	7510.18	47.68	-100.29	-52.61	-13.00	39.61	251	267	Vertical
3	8756.5	49.10	-96.01	-46.91	-13.00	33.91	142	27	Vertical
4	11265.27	43.40	-91.08	-47.68	-13.00	34.68	286	337	Vertical
5	15020.36	42.15	-90.39	-48.24	-13.00	35.24	254	219	Vertical
6	17694.3333	42.36	-84.98	-42.62	-13.00	29.62	144	58	Vertical



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 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t: (86-512) 62992980 www.sgs.com.cn
 t: (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWA2309000114RG02

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Test Band = NR UL CA n5A-n78A 3700M-3800M_ TM1
Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7811.5	38.58	-42.37	36.72	-62.33	-13.00	49.33	Horizontal
2	9603	34.11	-39.04	37.45	-62.74	-13.00	49.74	Horizontal
3	12216.5	28.13	-37.12	38.86	-65.38	-13.00	52.38	Horizontal
4	14502.5	26.49	-34.79	41.10	-62.46	-13.00	49.46	Horizontal
5	16485.5	27.97	-33.45	40.71	-60.04	-13.00	47.04	Horizontal
6	17755	29.09	-34.09	45.70	-54.56	-13.00	41.56	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7428	39.61	-43.19	36.40	-62.44	-13.00	49.44	Vertical
2	9991.5	32.73	-39.40	38.18	-63.74	-13.00	50.74	Vertical
3	12783.5	27.76	-36.75	39.04	-65.21	-13.00	52.21	Vertical
4	14449.5	26.35	-34.54	41.08	-62.37	-13.00	49.37	Vertical
5	16457.5	28.24	-33.64	40.62	-60.04	-13.00	47.04	Vertical
6	17975	29.09	-34.38	46.69	-53.86	-13.00	40.86	Vertical



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 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区阳澄湖1号厂房南楼 邮编: 215000

t: (86-512) 62992980 www.sgs.com.cn
 t: (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWA2309000114RG02

Rev.: 01

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Test Band = NR UL CA n7A-n78A 3700M-3800M_ TM1
Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.18	49.51	-105.84	-56.33	-13.00	43.33	142	328	Horizontal
2	7310.18	49.03	-100.63	-51.60	-13.00	38.60	263	299	Horizontal
3	7503.27	48.57	-100.33	-51.76	-13.00	38.76	251	94	Horizontal
4	10004.36	45.19	-93.80	-48.61	-13.00	35.61	145	308	Horizontal
5	10965.27	42.22	-91.32	-49.10	-13.00	36.10	152	0	Horizontal
6	14620.36	41.07	-89.81	-48.74	-13.00	35.74	263	16	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5002.18	51.29	-105.84	-54.55	-13.00	41.55	163	348	Vertical
2	7310.18	49.32	-100.63	-51.31	-13.00	38.31	251	144	Vertical
3	7503.27	48.43	-100.33	-51.90	-13.00	38.90	141	267	Vertical
4	10004.36	46.31	-93.80	-47.49	-13.00	34.49	263	236	Vertical
5	10965.27	42.05	-91.32	-49.27	-13.00	36.27	211	185	Vertical
6	14620.36	40.84	-89.81	-48.97	-13.00	35.97	144	357	Vertical



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 中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区阳澄湖1号的6号厂房南楼 邮编：215000

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Test Band = NR UL CA n7A-n78A 3700M-3800M_ TM1
Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5052.18	48.83	-105.71	-56.88	-13.00	43.88	263	307	Horizontal
2	7410.18	48.60	-100.76	-52.16	-13.00	39.16	236	63	Horizontal
3	7578.27	49.97	-99.91	-49.94	-13.00	36.94	251	221	Horizontal
4	10104.36	44.56	-93.50	-48.94	-13.00	35.94	144	25	Horizontal
5	11115.27	43.88	-90.92	-47.04	-13.00	34.04	211	85	Horizontal
6	14820.36	41.71	-89.81	-48.10	-13.00	35.10	152	357	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5052.18	50.39	-105.71	-55.32	-13.00	42.32	163	289	Vertical
2	7410.18	48.56	-100.76	-52.20	-13.00	39.20	284	0	Vertical
3	7578.27	49.26	-99.91	-50.65	-13.00	37.65	176	2	Vertical
4	10104.36	45.03	-93.50	-48.47	-13.00	35.47	251	91	Vertical
5	11115.27	42.47	-90.92	-48.45	-13.00	35.45	142	1	Vertical
6	14820.36	40.09	-89.81	-49.72	-13.00	36.72	284	299	Vertical



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 中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编：215000

t: (86-512) 62992980 www.sgs.com.cn
 t: (86-512) 62992980 sgs.china@sgs.com

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Test Band = NR UL CA n7A-n78A 3700M-3800M_ TM1
Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5102.18	49.69	-105.59	-55.90	-13.00	42.90	263	0	Horizontal
2	7510.18	49.83	-100.29	-50.46	-13.00	37.46	263	357	Horizontal
3	7653.27	50.14	-99.71	-49.57	-13.00	36.57	141	357	Horizontal
4	10204.36	43.56	-93.15	-49.59	-13.00	36.59	263	275	Horizontal
5	11265.27	43.94	-91.08	-47.14	-13.00	34.14	284	34	Horizontal
6	15020.36	42.34	-90.39	-48.05	-13.00	35.05	321	327	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5102.18	50.25	-105.59	-55.34	-13.00	42.34	251	357	Vertical
2	7510.18	48.05	-100.29	-52.24	-13.00	39.24	142	278	Vertical
3	7653.27	49.31	-99.71	-50.40	-13.00	37.40	263	247	Vertical
4	10204.36	44.00	-93.15	-49.15	-13.00	36.15	284	298	Vertical
5	11265.27	42.42	-91.08	-48.66	-13.00	35.66	176	258	Vertical
6	15020.36	42.62	-90.39	-47.77	-13.00	34.77	254	196	Vertical



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 中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编：215000

t: (86-512) 62992980 www.sgs.com.cn
 t: (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWA2309000114RG02

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Test Band = NR UL CA n66A-n78A 3700M-3800M_ TM1
Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3404.18	36.29	-88.36	-52.07	-13.00	39.07	263	360	Horizontal
2	5106.27	49.77	-105.60	-55.83	-13.00	42.83	241	286	Horizontal
3	6808.36	49.71	-101.85	-52.14	-13.00	39.14	175	17	Horizontal
4	7310.18	48.30	-100.63	-52.33	-13.00	39.33	263	0	Horizontal
5	10965.27	41.24	-91.32	-50.08	-13.00	37.08	254	65	Horizontal
6	14620.36	41.67	-89.81	-48.14	-13.00	35.14	185	275	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3404.18	36.91	-88.36	-51.45	-13.00	38.45	142	299	Vertical
2	5106.27	49.75	-105.60	-55.85	-13.00	42.85	263	338	Vertical
3	6808.36	49.04	-101.85	-52.81	-13.00	39.81	255	357	Vertical
4	7310.18	49.46	-100.63	-51.17	-13.00	38.17	244	277	Vertical
5	10965.27	42.35	-91.32	-48.97	-13.00	35.97	196	1	Vertical
6	14620.36	40.19	-89.81	-49.62	-13.00	36.62	221	318	Vertical



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 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区阳澄湖1号的6号厂房南楼 邮编: 215000

t: (86-512) 62992980 www.sgs.com.cn
 t: (86-512) 62992980 sgs.china@sgs.com

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Test Band = NR UL CA n66A-n78A 3700M-3800M_ TM1
Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3454.18	36.00	-88.16	-52.16	-13.00	39.16	142	3	Horizontal
2	5181.27	49.60	-105.75	-56.15	-13.00	43.15	263	21	Horizontal
3	6908.36	48.31	-101.41	-53.10	-13.00	40.10	254	145	Horizontal
4	7410.18	48.08	-100.76	-52.68	-13.00	39.68	142	307	Horizontal
5	11115.27	43.08	-90.92	-47.84	-13.00	34.84	263	297	Horizontal
6	14820.36	41.00	-89.81	-48.81	-13.00	35.81	251	115	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3454.18	36.69	-88.16	-51.47	-13.00	38.47	142	102	Vertical
2	5181.27	50.76	-105.75	-54.99	-13.00	41.99	263	179	Vertical
3	6908.36	48.36	-101.41	-53.05	-13.00	40.05	284	248	Vertical
4	7410.18	49.24	-100.76	-51.52	-13.00	38.52	176	200	Vertical
5	11115.27	42.73	-90.92	-48.19	-13.00	35.19	263	0	Vertical
6	14820.36	40.70	-89.81	-49.11	-13.00	36.11	241	357	Vertical



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 t: (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWA2309000114RG02

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Test Band = NR UL CA n66A-n78A 3700M-3800M_ TM1
Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3504.18	36.26	-87.95	-51.69	-13.00	38.69	122	180	Horizontal
2	5256.27	50.88	-105.74	-54.86	-13.00	41.86	251	0	Horizontal
3	7008.36	48.48	-101.47	-52.99	-13.00	39.99	142	194	Horizontal
4	7510.18	48.89	-100.29	-51.40	-13.00	38.40	286	31	Horizontal
5	11265.27	42.80	-91.08	-48.28	-13.00	35.28	254	184	Horizontal
6	15020.36	42.66	-90.39	-47.73	-13.00	34.73	144	6	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3504.18	35.16	-87.95	-52.79	-13.00	39.79	263	360	Vertical
2	5256.27	50.66	-105.74	-55.08	-13.00	42.08	251	106	Vertical
3	7008.36	48.58	-101.47	-52.89	-13.00	39.89	142	17	Vertical
4	7510.18	48.71	-100.29	-51.58	-13.00	38.58	262	288	Vertical
5	11265.27	44.11	-91.08	-46.97	-13.00	33.97	263	1	Vertical
6	15020.36	42.96	-90.39	-47.43	-13.00	34.43	241	17	Vertical



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 中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编：215000

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 t: (86-512) 62992980 sgs.china@sgs.com

Report No.: SEWA2309000114RG02

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Test Band = NR UL CA 71A-n78A 3700M-3800M_ TM1
Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1328.18	40.26	-95.91	-55.65	-13.00	42.65	251	79	Horizontal
2	1992.27	40.18	-93.45	-53.27	-13.00	40.27	174	250	Horizontal
3	2656.36	38.13	-90.77	-52.64	-13.00	39.64	155	71	Horizontal
4	7310.18	48.94	-100.63	-51.69	-13.00	38.69	241	184	Horizontal
5	10965.27	42.26	-91.32	-49.06	-13.00	36.06	142	134	Horizontal
6	14620.36	41.11	-89.81	-48.70	-13.00	35.70	263	63	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1328.18	39.50	-95.91	-56.41	-13.00	43.41	152	94	Vertical
2	1992.27	38.60	-93.45	-54.85	-13.00	41.85	263	60	Vertical
3	2656.36	38.56	-90.77	-52.21	-13.00	39.21	241	28	Vertical
4	7310.18	48.28	-100.63	-52.35	-13.00	39.35	142	54	Vertical
5	10965.27	42.01	-91.32	-49.31	-13.00	36.31	263	246	Vertical
6	14620.36	41.65	-89.81	-48.16	-13.00	35.16	251	277	Vertical



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 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区阳澄湖1号的6号厂房南楼 邮编: 215000

t: (86-512) 62992980 www.sgs.com.cn
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Report No.: SEWA2309000114RG02

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Test Band = NR UL CA 71A-n78A 3700M-3800M_ TM1
Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1343.18	39.58	-95.86	-56.28	-13.00	43.28	142	360	Horizontal
2	2014.77	39.14	-93.34	-54.20	-13.00	41.20	263	359	Horizontal
3	2686.36	37.92	-90.61	-52.69	-13.00	39.69	251	54	Horizontal
4	7410.18	48.48	-100.76	-52.28	-13.00	39.28	263	0	Horizontal
5	11115.27	45.24	-90.92	-45.68	-13.00	32.68	254	3	Horizontal
6	14820.36	41.49	-89.81	-48.32	-13.00	35.32	174	308	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1343.18	40.06	-95.86	-55.80	-13.00	42.80	142	186	Vertical
2	2014.77	38.79	-93.34	-54.55	-13.00	41.55	263	54	Vertical
3	2686.36	38.01	-90.61	-52.60	-13.00	39.60	284	360	Vertical
4	7410.18	48.32	-100.76	-52.44	-13.00	39.44	142	258	Vertical
5	11115.27	43.09	-90.92	-47.83	-13.00	34.83	263	146	Vertical
6	14820.36	41.63	-89.81	-48.18	-13.00	35.18	251	337	Vertical



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Test Band = NR UL CA 71A-n78A 3700M-3800M_ TM1
Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1358.18	39.84	-95.81	-55.97	-13.00	42.97	263	199	Horizontal
2	2037.27	38.96	-93.27	-54.31	-13.00	41.31	251	325	Horizontal
3	2716.36	37.94	-90.45	-52.51	-13.00	39.51	184	171	Horizontal
4	7510.18	47.47	-100.29	-52.82	-13.00	39.82	163	139	Horizontal
5	11265.27	43.68	-91.08	-47.40	-13.00	34.40	251	258	Horizontal
6	15020.36	42.99	-90.39	-47.40	-13.00	34.40	144	298	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1358.18	40.82	-95.81	-54.99	-13.00	41.99	163	333	Vertical
2	2037.27	39.05	-93.27	-54.22	-13.00	41.22	254	62	Vertical
3	2716.36	38.59	-90.45	-51.86	-13.00	38.86	147	112	Vertical
4	7510.18	48.38	-100.29	-51.91	-13.00	38.91	142	307	Vertical
5	11265.27	42.77	-91.08	-48.31	-13.00	35.31	263	218	Vertical
6	15020.36	41.95	-90.39	-48.44	-13.00	35.44	251	327	Vertical



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 中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编：215000

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Test Band = NR UL CA n25A-n78A 3700M-3800M_ TM1
Test Channel = Low Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3704.18	34.36	-87.25	-52.89	-13.00	39.89	186	274	Horizontal
2	5556.27	50.09	-105.32	-55.23	-13.00	42.23	265	0	Horizontal
3	7310.18	49.01	-100.63	-51.62	-13.00	38.62	263	94	Horizontal
4	7408.36	47.78	-100.77	-52.99	-13.00	39.99	241	247	Horizontal
5	10965.27	42.47	-91.32	-48.85	-13.00	35.85	142	44	Horizontal
6	14620.36	41.59	-89.81	-48.22	-13.00	35.22	251	104	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3704.18	33.58	-87.25	-53.67	-13.00	40.67	142	22	Vertical
2	5556.27	50.75	-105.32	-54.57	-13.00	41.57	263	166	Vertical
3	7310.18	47.95	-100.63	-52.68	-13.00	39.68	142	1	Vertical
4	7408.36	47.63	-100.77	-53.14	-13.00	40.14	175	247	Vertical
5	10965.27	43.30	-91.32	-48.02	-13.00	35.02	263	146	Vertical
6	14620.36	40.57	-89.81	-49.24	-13.00	36.24	251	55	Vertical



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 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区阳澄湖1号的6号厂房南楼 邮编: 215000

t: (86-512) 62992980 www.sgs.com.cn
 t: (86-512) 62992980 sgs.china@sgs.com

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Test Band = NR UL CA n25A-n78A 3700M-3800M_ TM1
Test Channel = Mid Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3729.18	34.35	-87.02	-52.67	-13.00	39.67	163	129	Horizontal
2	5593.77	50.39	-105.40	-55.01	-13.00	42.01	251	226	Horizontal
3	7410.18	48.74	-100.76	-52.02	-13.00	39.02	142	348	Horizontal
4	7458.36	49.44	-100.54	-51.10	-13.00	38.10	174	236	Horizontal
5	11115.27	43.18	-90.92	-47.74	-13.00	34.74	263	46	Horizontal
6	14820.36	42.07	-89.81	-47.74	-13.00	34.74	251	276	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3729.18	33.99	-87.02	-53.03	-13.00	40.03	142	51	Vertical
2	5593.77	50.96	-105.40	-54.44	-13.00	41.44	263	1	Vertical
3	7410.18	48.21	-100.76	-52.55	-13.00	39.55	142	237	Vertical
4	7458.36	47.38	-100.54	-53.16	-13.00	40.16	176	136	Vertical
5	11115.27	43.56	-90.92	-47.36	-13.00	34.36	263	74	Vertical
6	14820.36	41.14	-89.81	-48.67	-13.00	35.67	251	0	Vertical



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 中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区阳澄湖1号的6号厂房南楼 邮编：215000

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 t: (86-512) 62992980 sgs.china@sgs.com

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Test Band = NR UL CA n25A-n78A 3700M-3800M_ TM1
Test Channel = High Channel

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3754.18	33.86	-86.80	-52.94	-13.00	39.94	241	3	Horizontal
2	5631.27	49.82	-105.28	-55.46	-13.00	42.46	175	338	Horizontal
3	7508.36	48.03	-100.30	-52.27	-13.00	39.27	263	134	Horizontal
4	7510.18	48.33	-100.29	-51.96	-13.00	38.96	163	187	Horizontal
5	11265.27	43.97	-91.08	-47.11	-13.00	34.11	251	25	Horizontal
6	15020.36	43.84	-90.39	-46.55	-13.00	33.55	144	144	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	3754.18	33.34	-86.80	-53.46	-13.00	40.46	142	70	Vertical
2	5631.27	49.96	-105.28	-55.32	-13.00	42.32	263	126	Vertical
3	7508.36	48.52	-100.30	-51.78	-13.00	38.78	174	17	Vertical
4	7510.18	47.49	-100.29	-52.80	-13.00	39.80	142	134	Vertical
5	11265.27	44.37	-91.08	-46.71	-13.00	33.71	263	0	Vertical
6	15020.36	43.78	-90.39	-46.61	-13.00	33.61	284	134	Vertical



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 中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编：215000

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 t: (86-512) 62992980 sgs.china@sgs.com

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Test on the worst case for SEWM2304000122RG02:

Test Band = NR UL CA n5A-n78A 3700M-3800M_ TM1
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9568.1042	37.68	-37.88	38.54	-56.92	-13.00	43.92	285	93	Horizontal
2	13644.8542	34.65	-34.63	39.99	-55.25	-13.00	42.25	241	277	Horizontal
3	17279.8125	32.59	-31.81	39.72	-54.76	-13.00	41.76	142	360	Horizontal
4	7482.18	39.21	-41.66	36.49	-61.22	-13.00	48.22	263	347	Horizontal
5	11223.27	32.58	-35.10	39.38	-58.40	-13.00	45.40	295	277	Horizontal
6	14964.36	31.13	-34.32	39.24	-59.21	-13.00	46.21	287	277	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	9194.3542	36.25	-38.25	38.58	-58.68	-13.00	45.68	196	235	Vertical
2	13324.2917	34.11	-35.07	39.79	-56.43	-13.00	43.43	265	343	Vertical
3	17051.7292	34.30	-32.16	38.81	-54.31	-13.00	41.31	284	273	Vertical
4	7482.18	38.93	-41.66	36.49	-61.50	-13.00	48.50	142	360	Vertical
5	11223.27	34.16	-35.10	39.38	-56.82	-13.00	43.82	263	3	Vertical
6	14964.36	31.10	-34.32	39.24	-59.24	-13.00	46.24	228	360	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区阳澄湖1号厂房南楼 邮编: 215000

t: (86-512) 62992980 www.sgs.com.cn
t: (86-512) 62992980 sgs.china@sgs.com

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Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_FuII	VH	NT	5.700000	0.001520	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_FuII	VN	NT	2.600000	0.000693	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_FuII	VL	NT	0.500000	0.000133	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_FuII	VH	NT	4.300000	0.001147	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_FuII	VN	NT	1.400000	0.000373	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_FuII	VL	NT	5.500000	0.001467	PASS



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Frequency Error VS. Temperature

Temperature										
Band	SC S	Bandwidth h	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Fu II	NV	-30	9.100000	0.002427	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Fu II	NV	-20	8.900000	0.002373	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Fu II	NV	-10	5.800000	0.001547	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Fu II	NV	0	4.100000	0.001093	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Fu II	NV	10	3.200000	0.000853	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Fu II	NV	20	6.500000	0.001733	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Fu II	NV	30	4.100000	0.001093	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Fu II	NV	40	4.600000	0.001227	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Fu II	NV	50	5.500000	0.001467	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Fu II	NV	-30	-0.200000	0.000053	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Fu II	NV	-20	13.200000	0.003520	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Fu II	NV	-10	2.000000	0.000533	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Fu II	NV	0	7.500000	0.002000	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Fu II	NV	10	4.800000	0.001280	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Fu II	NV	20	7.700000	0.002053	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Fu II	NV	30	3.700000	0.000987	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Fu II	NV	40	-0.900000	-	PASS



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3800					II				0.000240	
N78-3700-3800	30	100	CP-QPSK	M	Outer_Fu II	NV	50	13.400000	0.003573	PASS



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t: (86-512) 62992980 www.sgs.com.cn
t: (86-512) 62992980 sgs.china@sgs.com

Test Result for MIMO
Frequency Error VS. Voltage

Voltage										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	VH	NT	3.800000	0.001013	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	VN	NT	-7.500000	-0.002000	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	VL	NT	-0.500000	-0.000133	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	VH	NT	-3.500000	-0.000933	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	VN	NT	-2.400000	-0.000640	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	VL	NT	0.400000	0.000107	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-30	-6.900000	-0.001840	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-20	-1.700000	-0.000453	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	-10	0.600000	0.000160	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	0	-4.100000	-0.001093	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	10	-1.100000	-0.000293	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	20	-5.800000	-0.001547	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	30	0.600000	0.000160	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	40	-2.800000	-0.000747	PASS
N78-3700-3800	30	100	DFT-PI2BPSK	M	Outer_Full	NV	50	-1.000000	-0.000267	PASS



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 中国·苏州·中国（江苏）自由贸易试验区苏州片区苏州工业园区阳澄湖1号路8号厂房南楼 邮编: 215000

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N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	-30	-3.600000	-0.000960	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	-20	-4.400000	-0.001173	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	-10	3.400000	0.000907	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	0	3.500000	0.000933	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	10	-1.400000	-0.000373	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	20	0.300000	0.000080	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	30	-7.500000	-0.002000	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	40	-8.400000	-0.002240	PASS
N78-3700-3800	30	100	CP-QPSK	M	Outer_Full	NV	50	-4.100000	-0.001093	PASS

---End of Attachment---



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South of No. 6 Plant, No. 1, Ransheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t: (86-512) 62992980 www.sgs.com.cn
t: (86-512) 62992980 sgs.china@sgs.com