

U-NII-2C		Worst mode: 802.11n(40)					Test channel: CH _L			
Polarization:					Horizontal					
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
1	2693.50	42.25	27.96	5.88	37.12	38.97	68.20	-29.23	Peak	
2	5097.29	42.52	32.20	8.93	35.48	48.17	68.20	-20.03	Peak	
3	8104.56	33.68	37.18	11.21	33.33	48.74	68.20	-19.46	Peak	
4	11020.00	25.21	40.54	12.54	36.66	41.63	54.00	-12.37	Average	
5	11027.98	35.28	40.52	12.54	36.65	51.69	68.20	-16.51	Peak	
Polarization:					Vertical					
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
1	2698.33	42.26	27.99	5.88	37.13	39.00	68.20	-29.20	Peak	
2	5106.43	44.40	32.17	8.94	35.48	50.03	68.20	-18.17	Peak	
3	8022.46	34.88	37.14	10.95	33.31	49.66	68.20	-18.54	Peak	
4	11020.00	27.81	40.54	12.54	36.66	44.23	54.00	-9.77	Average	
5	11027.98	38.09	40.52	12.54	36.65	54.50	68.20	-13.70	Peak	

U-NII-2C		Worst mode: 802.11n(40)					Test channel: CH _M			
Polarization:					Horizontal					
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
1	2693.50	42.25	27.96	5.88	37.12	38.97	68.20	-29.23	Peak	
2	5097.29	42.52	32.20	8.93	35.48	48.17	68.20	-20.03	Peak	
3	8002.06	33.95	37.10	10.91	33.31	48.65	68.20	-19.55	Peak	
4	10916.26	34.08	40.60	12.52	36.74	50.46	68.20	-17.74	Peak	
Polarization:					Vertical					
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
1	2698.33	42.26	27.99	5.88	37.13	39.00	68.20	-29.20	Peak	
2	5106.43	44.40	32.17	8.94	35.48	50.03	68.20	-18.17	Peak	
3	8083.96	34.64	37.20	11.15	33.32	49.67	68.20	-18.53	Peak	
4	11169.24	33.38	40.30	12.60	36.57	49.71	68.20	-18.49	Peak	

U-NII-2C		Worst mode: 802.11n(40)					Test channel: CH _H			
Polarization:					Horizontal					
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
1	2693.50	42.25	27.96	5.88	37.12	38.97	68.20	-29.23	Peak	
2	5097.29	42.52	32.20	8.93	35.48	48.17	68.20	-20.03	Peak	
3	8083.96	34.24	37.20	11.15	33.32	49.27	68.20	-18.93	Peak	
4	11457.21	33.65	40.77	12.72	36.40	50.74	68.20	-17.46	Peak	
Polarization:					Vertical					
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
1	2698.33	42.26	27.99	5.88	37.13	39.00	68.20	-29.20	Peak	
2	5106.43	44.40	32.17	8.94	35.48	50.03	68.20	-18.17	Peak	
3	7941.19	34.78	36.88	10.85	33.32	49.19	68.20	-19.01	Peak	
4	11545.04	33.35	40.76	12.75	36.37	50.49	68.20	-17.71	Peak	

U-NII-2C		Worst mode: 802.11ac(80)					Test channel: CH _L			
Polarization:						Horizontal				
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
1	2693.50	42.25	27.96	5.88	37.12	38.97	68.20	-29.23	Peak	
2	5097.29	42.52	32.20	8.93	35.48	48.17	68.20	-20.03	Peak	
3	8002.06	33.88	37.10	10.91	33.31	48.58	68.20	-19.62	Peak	
4	11084.27	34.09	40.35	12.57	36.62	50.39	68.20	-17.81	Peak	
Polarization:						Vertical				
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
1	2698.33	42.26	27.99	5.88	37.13	39.00	68.20	-29.20	Peak	
2	5106.43	44.40	32.17	8.94	35.48	50.03	68.20	-18.17	Peak	
3	8083.96	34.36	37.20	11.15	33.32	49.39	68.20	-18.81	Peak	
4	11056.09	35.50	40.43	12.55	36.64	51.84	68.20	-16.36	Peak	
5	11060.00	24.33	40.42	12.56	36.63	40.68	54.00	-13.32	Average	

U-NII-2C		Worst mode: 802.11ac(80)					Test channel: CH _H			
Polarization:					Horizontal					
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
1	2693.50	42.25	27.96	5.88	37.12	38.97	68.20	-29.23	Peak	
2	5097.29	42.52	32.20	8.93	35.48	48.17	68.20	-20.03	Peak	
3	8022.46	33.96	37.14	10.95	33.31	48.74	68.20	-19.46	Peak	
4	11312.31	33.94	40.42	12.66	36.48	50.54	68.20	-17.66	Peak	
Polarization:					Vertical					
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
1	2698.33	42.26	27.99	5.88	37.13	39.00	68.20	-29.20	Peak	
2	5106.43	44.40	32.17	8.94	35.48	50.03	68.20	-18.17	Peak	
3	8104.56	33.83	37.18	11.21	33.33	48.89	68.20	-19.31	Peak	
4	11399.03	33.87	40.60	12.69	36.43	50.73	68.20	-17.47	Peak	

U-NII-3		Worst mode: 802.11a				Test channel: CH _L				
Polarization:					Horizontal					
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
1	2693.50	42.25	27.96	5.88	37.12	38.97	68.20	-29.23	Peak	
2	5097.29	42.52	32.20	8.93	35.48	48.17	68.20	-20.03	Peak	
3	8063.40	33.72	37.20	11.08	33.32	48.68	68.20	-19.52	Peak	
4	10916.26	33.55	40.60	12.52	36.74	49.93	68.20	-18.27	Peak	
Polarization:					Vertical					
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
1	2698.33	42.26	27.99	5.88	37.13	39.00	68.20	-29.20	Peak	
2	5106.43	44.40	32.17	8.94	35.48	50.03	68.20	-18.17	Peak	
3	8104.56	34.08	37.18	11.21	33.33	49.14	68.20	-19.06	Peak	
4	11486.41	33.79	40.86	12.73	36.38	51.00	68.20	-17.20	Peak	

U-NII-3		Worst mode: 802.11a				Test channel: CH _M			
Polarization:				Horizontal					
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2693.50	42.25	27.96	5.88	37.12	38.97	68.20	-29.23	Peak
2	5097.29	42.52	32.20	8.93	35.48	48.17	68.20	-20.03	Peak
3	8104.56	34.00	37.18	11.21	33.33	49.06	68.20	-19.14	Peak
4	11457.21	32.80	40.77	12.72	36.40	49.89	68.20	-18.31	Peak
Polarization:				Vertical					
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2698.33	42.26	27.99	5.88	37.13	39.00	68.20	-29.20	Peak
2	5106.43	44.40	32.17	8.94	35.48	50.03	68.20	-18.17	Peak
3	8083.96	33.94	37.20	11.15	33.32	48.97	68.20	-19.23	Peak
4	10916.26	34.42	40.60	12.52	36.74	50.80	68.20	-17.40	Peak

U-NII-3		Worst mode: 802.11a					Test channel: CH _H			
Polarization:					Horizontal					
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
1	2693.50	42.25	27.96	5.88	37.12	38.97	68.20	-29.23	Peak	
2	5097.29	42.52	32.20	8.93	35.48	48.17	68.20	-20.03	Peak	
3	8104.56	33.80	37.18	11.21	33.33	48.86	68.20	-19.34	Peak	
4	11486.41	33.76	40.86	12.73	36.38	50.97	68.20	-17.23	Peak	
Polarization:					Vertical					
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
1	2698.33	42.26	27.99	5.88	37.13	39.00	68.20	-29.20	Peak	
2	5106.43	44.40	32.17	8.94	35.48	50.03	68.20	-18.17	Peak	
3	8022.46	35.16	37.14	10.95	33.31	49.94	68.20	-18.26	Peak	
4	11457.21	33.44	40.77	12.72	36.40	50.53	68.20	-17.67	Peak	

U-NII-3		Worst mode: 802.11n(40)				Test channel: CH _L			
Polarization:					Horizontal				
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2693.50	42.25	27.96	5.88	37.12	38.97	68.20	-29.23	Peak
2	5097.29	42.52	32.20	8.93	35.48	48.17	68.20	-20.03	Peak
3	8022.46	34.12	37.14	10.95	33.31	48.90	68.20	-19.30	Peak
4	10944.09	34.52	40.60	12.52	36.72	50.92	68.20	-17.28	Peak
Polarization:					Vertical				
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark
1	2698.33	42.26	27.99	5.88	37.13	39.00	68.20	-29.20	Peak
2	5106.43	44.40	32.17	8.94	35.48	50.03	68.20	-18.17	Peak
3	8002.06	34.34	37.10	10.91	33.31	49.04	68.20	-19.16	Peak
4	10944.09	33.94	40.60	12.52	36.72	50.34	68.20	-17.86	Peak

U-NII-3		Worst mode: 802.11n(40)				Test channel: CH _H				
Polarization:				Horizontal						
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
1	2693.50	42.25	27.96	5.88	37.12	38.97	68.20	-29.23	Peak	
2	5097.29	42.52	32.20	8.93	35.48	48.17	68.20	-20.03	Peak	
3	8083.96	33.89	37.20	11.15	33.32	48.92	68.20	-19.28	Peak	
4	10999.95	34.11	40.60	12.53	36.67	50.57	68.20	-17.63	Peak	
Polarization:				Vertical						
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
1	2698.33	42.26	27.99	5.88	37.13	39.00	68.20	-29.20	Peak	
2	5106.43	44.40	32.17	8.94	35.48	50.03	68.20	-18.17	Peak	
3	8083.96	33.25	37.20	11.15	33.32	48.28	68.20	-19.92	Peak	
4	11457.21	33.31	40.77	12.72	36.40	50.40	68.20	-17.80	Peak	

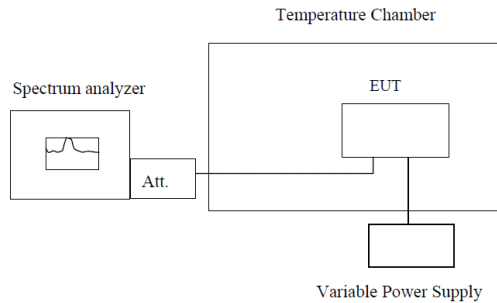
U-NII-3		Worst mode: 802.11ac(80)					Test channel: CH _M			
Polarization:					Horizontal					
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
1	2693.50	42.25	27.96	5.88	37.12	38.97	68.20	-29.23	Peak	
2	5097.29	42.52	32.20	8.93	35.48	48.17	68.20	-20.03	Peak	
3	8022.46	34.45	37.14	10.95	33.31	49.23	68.20	-18.97	Peak	
4	10916.26	34.12	40.60	12.52	36.74	50.50	68.20	-17.70	Peak	
Polarization:					Vertical					
Mark	Frequency MHz	Reading dBuV/m	Antenna dB	Cable dB	Preamp dB	Level dBuV/m	Limit dBuV/m	Over limit	Remark	
1	2698.33	42.26	27.99	5.88	37.13	39.00	68.20	-29.20	Peak	
2	5106.43	44.40	32.17	8.94	35.48	50.03	68.20	-18.17	Peak	
3	8083.96	33.82	37.20	11.15	33.32	48.85	68.20	-19.35	Peak	
4	10999.95	34.52	40.60	12.53	36.67	50.98	68.20	-17.22	Peak	

5.9. Frequency stability

LIMIT

Within Operation Band

TEST CONFIGURATION



Note : Measurement setup for testing on Antenna connector

TEST PROCEDURE

1. The equipment under test was connected to an external power supply.
2. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators.
3. The EUT was placed inside the temperature chamber.
4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency.
5. Turn EUT off and set the chamber temperature to -20°C. After the temperature stabilized for approximately 30 minutes recorded the frequency.
6. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached..

TEST MODE:

Please refer to the clause 4.3

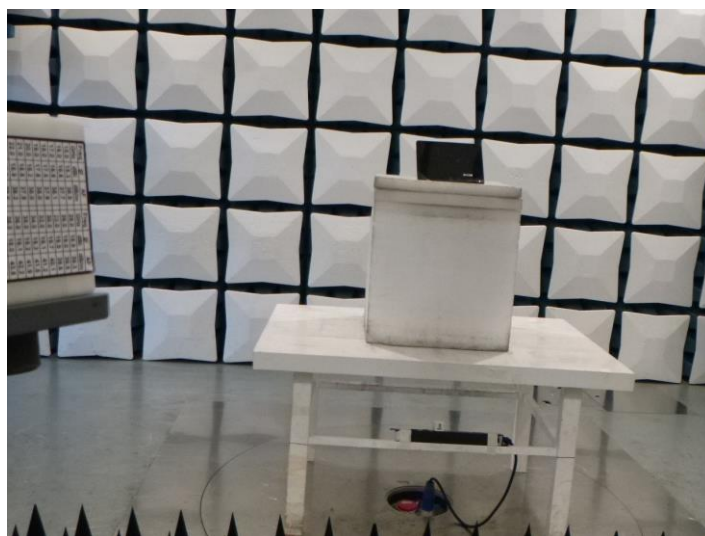
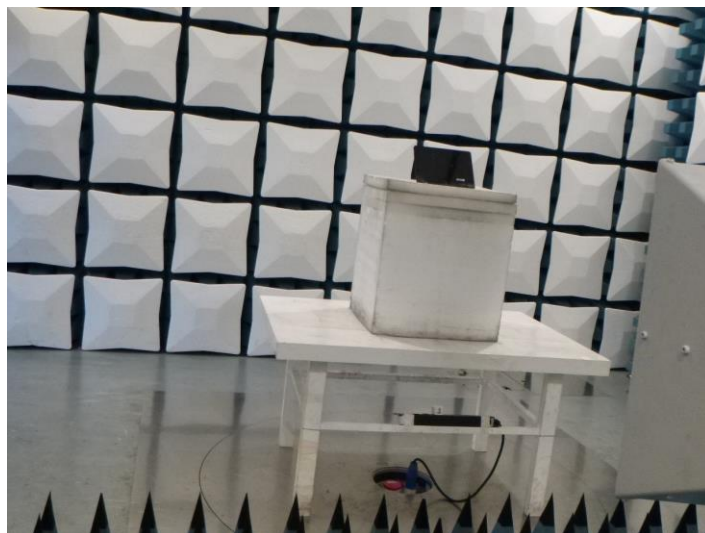
TEST RESULT

☒ Passed ☐ Not Applicable

Please refer to appendix F on the appendix report

6. TEST SETUP PHOTOS

Radiated Emission



AC Conducted Emission



7. EXTERNAL AND INTERNAL PHOTOS

Refer to the test report No.: CHTEW22040160

8. APPENDIX REPORT