

Appendix A: Test Results of Radiated Spurious Emissions

Dipole Antenna

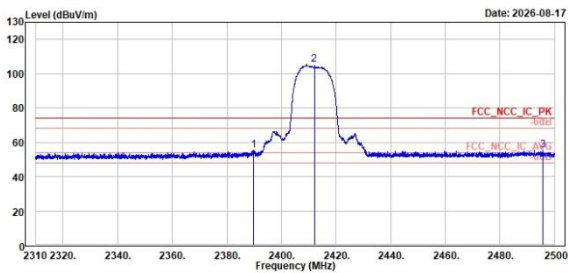
Band Edges, 2.31GHz ~ 2.5GHz

802.11b

Low Channel (Horizontal) Peak



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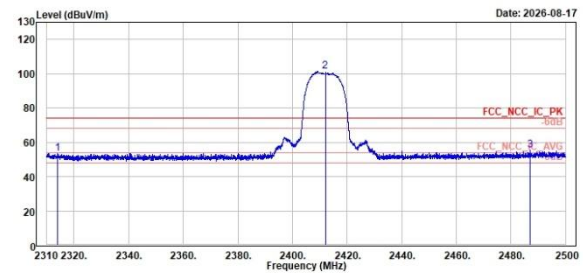
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : Horizontal
Test Engineer: Chuan
Order : 48308150
Test Rating : 3.3Vdc
Tmp/Hum : 24.5~26.8°C/54~59%
Mode : TX_b_2412
Power Setting: -12
Plane : E2
Sample : A004358425-003
Test Data : 20260817
VBW : 500Hz
ANT : A003648659-004

	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB		cm	deg			
1	2389.91	55.37	18.60	36.77	74.00	-18.63		274		291 Peak	Horizontal	
2 *	2412.00	105.16	68.29	36.87	74.00	31.16		274		291 Peak	Horizontal	
3	2495.86	55.15	17.64	37.51	74.00	-18.85		274		291 Peak	Horizontal	

Low Channel (Vertical) Peak



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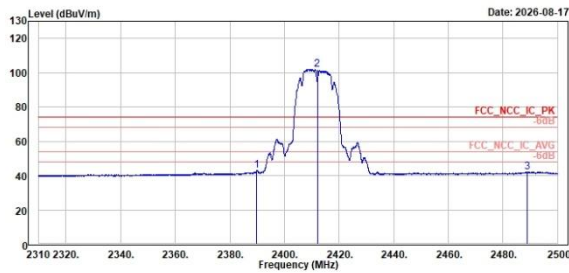


Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : Vertical
Test Engineer: Chuan
Order : 48308150
Test Rating : 3.3Vdc
Tmp/Hum : 24.5~26.8°C/54~59%
Mode : TX_b_2412
Power Setting: -12
Plane : E2
Sample : A004358425-003
Test Data : 20260817
VBW : 500Hz
ANT : A003648659-004

	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB		cm	deg			
1	2313.95	53.42	16.85	36.57	74.00	-20.58		400		359 Peak	Vertical	
2 *	2412.00	101.19	64.32	36.87	74.00	27.19		400		359 Peak	Vertical	
3	2487.16	55.34	17.86	37.48	74.00	-18.66		400		359 Peak	Vertical	

802.11b

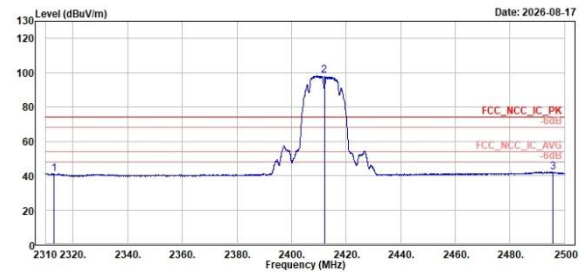
Low Channel (Horizontal) Average



Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : Horizontal
Test Engineer: Chuan
Order : 48308150
Test Rating : 3.3Vdc
Tmp/Hum : 24.5~26.8°C/54~59%
Mode : TX_b_2412
Power Setting: -12
Plane : E2
Sample : A004358425-003
Test Data : 20260817
VBW : 500Hz
ANT : A003648659-004

	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2389.84	42.85	6.08	36.77	54.00	-11.15	274	291 Average	Horizontal	
2 *	2412.00	102.07	65.20	36.87	54.00	48.07	274	291 Average	Horizontal	
3	2488.75	42.12	4.63	37.49	54.00	-11.88	274	291 Average	Horizontal	

Low Channel (Vertical) Average



Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : Vertical
Test Engineer: Chuan
Order : 48308150
Test Rating : 3.3Vdc
Tmp/Hum : 24.5~26.8°C/54~59%
Mode : TX_b_2412
Power Setting: -12
Plane : E2
Sample : A004358425-003
Test Data : 20260817
VBW : 500Hz
ANT : A003648659-004

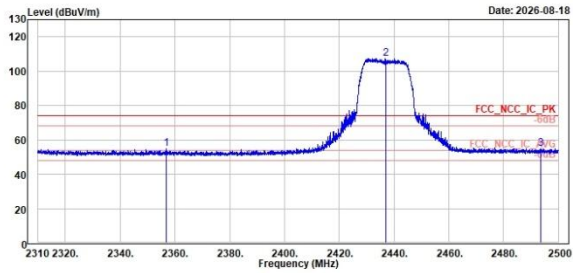
	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2313.00	41.22	4.66	36.56	54.00	-12.78	400	359 Average	Vertical	
2 *	2412.00	90.16	61.29	36.87	54.00	44.16	400	359 Average	Vertical	
3	2495.82	41.96	4.45	37.51	54.00	-12.04	400	359 Average	Vertical	

802.11g

Middle Channel (Horizontal) Peak



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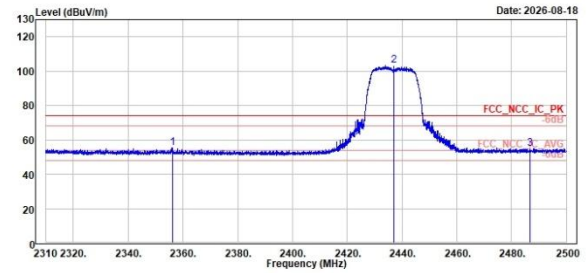
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : Horizontal
Test Engineer: Chuan
Order : 48308150
Test Rating : 3.3Vdc
Tmp/Hum : 24.5~26.8°C/54~59%
Mode : TX_g_2437
Power Setting: -11
Plane : E2
Sample : A004358425-003
Test Data : 20260817
VBW : 1kHz
ANT : A003648659-004

	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2356.93	54.65	17.71	36.94	74.00	-19.35	300	293 Peak	Horizontal	
2 *	2437.00	107.40	70.28	37.20	74.00	33.48	300	293 Peak	Horizontal	
3	2493.43	55.11	17.60	37.51	74.00	-18.89	300	293 Peak	Horizontal	

Middle Channel (Vertical) Peak



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Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : Vertical
Test Engineer: Chuan
Order : 48308150
Test Rating : 3.3Vdc
Tmp/Hum : 24.5~26.8°C/54~59%
Mode : TX_g_2437
Power Setting: -11
Plane : E2
Sample : A004358425-003
Test Data : 20260817
VBW : 1kHz
ANT : A003648659-004

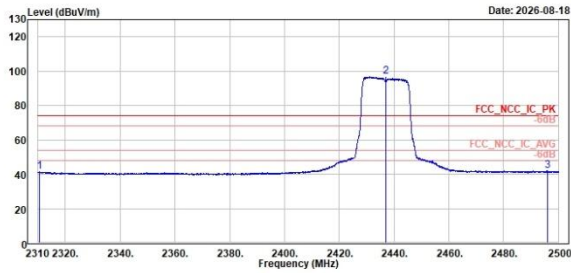
	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2356.21	55.21	18.27	36.94	74.00	-18.79	382	360 Peak	Vertical	
2 *	2437.00	103.10	65.90	37.20	74.00	29.10	382	360 Peak	Vertical	
3	2486.59	54.77	17.29	37.48	74.00	-19.23	382	360 Peak	Vertical	

802.11g

Middle Channel (Horizontal) Average



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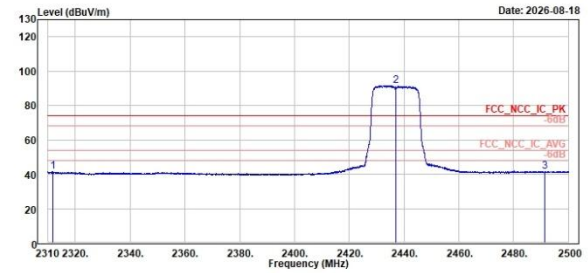
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : Horizontal
Test Engineer: Chuan
Order : 48308150
Test Rating : 3.3Vdc
Tmp/Hum : 24.5~26.8°C/54~59%
Mode : TX_g_2437
Power Setting: -11
Plane : E2
Sample : A004358425-003
Test Data : 20260817
VBW : 1kHz
ANT : A003648659-004

	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2310.68	41.40	4.86	36.54	54.00	-12.60	300	293 Average	Horizontal	
2 *	2437.00	96.66	59.46	37.20	54.00	42.66	300	293 Average	Horizontal	
3	2496.12	41.89	4.38	37.51	54.00	-12.11	300	293 Average	Horizontal	

Middle Channel (Vertical) Average



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Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : Vertical
Test Engineer: Chuan
Order : 48308150
Test Rating : 3.3Vdc
Tmp/Hum : 24.5~26.8°C/54~59%
Mode : TX_g_2437
Power Setting: -11
Plane : E2
Sample : A004358425-003
Test Data : 20260817
VBW : 1kHz
ANT : A003648659-004

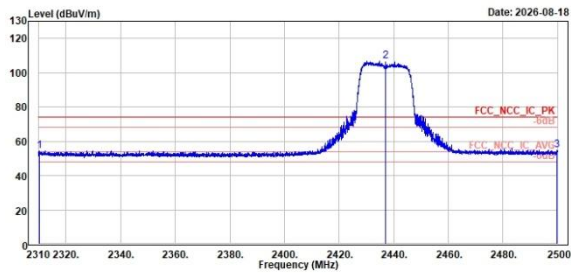
	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2311.67	41.37	4.82	36.55	54.00	-12.63	302	360 Average	Vertical	
2 *	2437.00	91.58	54.38	37.20	54.00	37.58	382	360 Average	Vertical	
3	2491.30	41.61	4.11	37.50	54.00	-12.39	382	360 Average	Vertical	

802.11n HT20

Middle Channel (Horizontal) Peak



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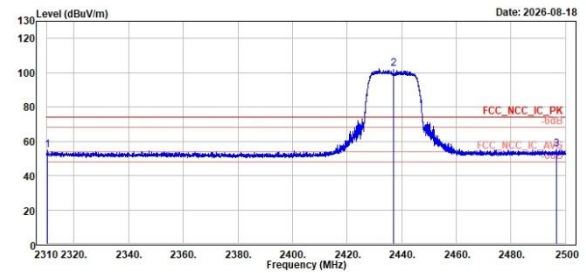


Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : Horizontal
Test Engineer: Chuan
Order : 48308150
Test Rating : 3.3Vdc
Tmp/Hum : 24.5~26.8°C/54~59%
Mode : TX_n20_2437
Power Setting: -12
Plane : E2
Sample : A004358425-003
Test Data : 20260817
VBW : 1kHz
ANT : A003648659-004

	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV		dB/m	dBuV/m	dB	cm	deg		
1	2310.15	54.55	18.02	36.53	74.00	-19.45	298	292	Peak	Horizontal	
2 *	2437.00	106.83	69.63	37.20	74.00	31.83	298	292	Peak	Horizontal	
3	2499.77	54.94	17.42	37.52	74.00	-19.06	298	292	Peak	Horizontal	



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Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : Vertical
Test Engineer: Chuan
Order : 48308150
Test Rating : 3.3Vdc
Tmp/Hum : 24.5~26.8°C/54~59%
Mode : TX_n20_2437
Power Setting: -12
Plane : E2
Sample : A004358425-003
Test Data : 20260817
VBW : 1kHz
ANT : A003648659-004

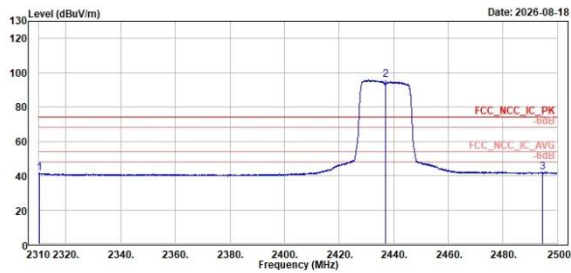
	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV		dB/m	dBuV/m	dB	cm	deg		
1	2310.27	54.97	18.44	36.53	74.00	-19.03	385	0	Peak	Vertical	
2 *	2437.00	102.10	64.90	37.20	74.00	28.10	385	0	Peak	Vertical	
3	2496.58	55.25	17.74	37.51	74.00	-18.75	385	0	Peak	Vertical	

802.11n HT20

Middle Channel (Horizontal) Average



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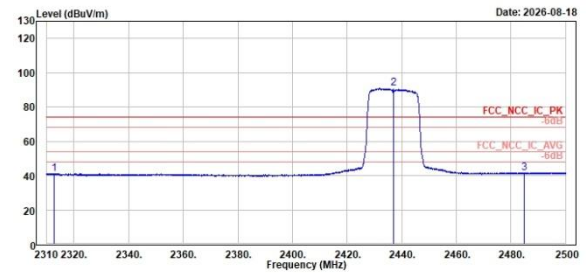


Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : Horizontal
Test Engineer: Chuan
Order : 48308150
Test Rating : 3.3Vdc
Tmp/Hum : 24.5~26.8°C/54~59%
Mode : TX_n20_2437
Power Setting: -12
Plane : E2
Sample : A004358425-003
Test Data : 20260817
VBW : 1kHz
ANT : A003648659-004

	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB		cm	deg			
1	2310.38	41.39	4.86	36.53	54.00	-12.61		298	292	Average	Horizontal	
2 *	2437.00	95.76	58.56	37.20	54.00	-41.76		298	292	Average	Horizontal	
3	2494.57	41.86	4.35	37.51	54.00	-12.14		298	292	Average	Horizontal	



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Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : Vertical
Test Engineer: Chuan
Order : 48308150
Test Rating : 3.3Vdc
Tmp/Hum : 24.5~26.8°C/54~59%
Mode : TX_n20_2437
Power Setting: -12
Plane : E2
Sample : A004358425-003
Test Data : 20260817
VBW : 1kHz
ANT : A003648659-004

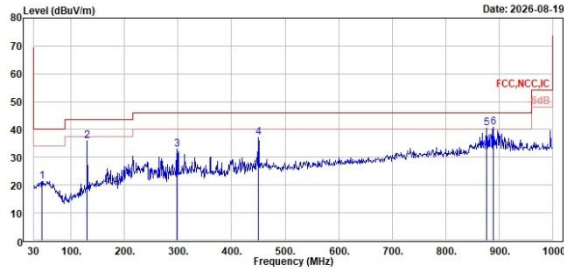
	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB		cm	deg			
1	2312.58	41.12	4.56	36.56	54.00	-12.88		385	0	Average	Vertical	
2 *	2437.00	90.72	53.52	37.20	54.00	-36.72		385	0	Average	Vertical	
3	2484.84	41.73	4.25	37.48	54.00	-12.27		385	0	Average	Vertical	

Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

Horizontal



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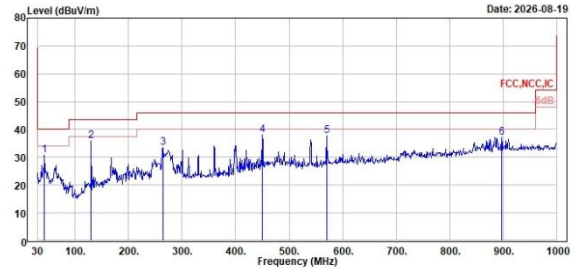
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : Horizontal
Test Engineer: Chuan
Order : 48308150
Test Rating : 3.3Vdc
Tmp/Hum : 24.5~26.8°C/54~59%
Mode : TX_Mode
Plane : E2
Sample : A004358425-003
Test Data : 20260818
ANT : A003648659-004

	Freq MHz	Read			Limit dB	Over Limit	APos cm	TPos deg	Remark	Pol/Phase	Note
		Level dBuV/m	Level dBuV	Factor dB/m							
1	45.52	21.29	28.49	-7.20	40.00	-18.71	100	217	Peak	Horizontal	
2	129.91	35.81	44.95	-9.14	43.50	-7.69	200	223	Peak	Horizontal	
3	297.72	32.81	39.18	-6.37	46.00	-13.19	100	34	Peak	Horizontal	
4	450.01	37.25	40.18	-2.93	46.00	-8.75	200	212	Peak	Horizontal	
5	876.81	40.59	36.39	4.20	46.00	-5.41	100	36	Peak	Horizontal	
6	889.42	40.75	36.25	4.50	46.00	-5.25	100	30	Peak	Horizontal	

Vertical



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Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : Vertical
Test Engineer: Chuan
Order : 48308150
Test Rating : 3.3Vdc
Tmp/Hum : 24.5~26.8°C/54~59%
Mode : TX_Mode
Plane : E2
Sample : A004358425-003
Test Data : 20260818
ANT : A003648659-004

	Freq MHz	Read			Limit dB	Over Limit	APos cm	TPos deg	Remark	Pol/Phase	Note
		Level dBuV/m	Level dBuV	Factor dB/m							
1	42.61	30.71	38.18	-7.47	40.00	-9.29	100	266	Peak	Vertical	
2	129.91	36.02	45.16	-9.14	43.50	-7.48	100	34	Peak	Vertical	
3	263.77	33.48	41.01	-7.53	46.00	-12.52	200	7	Peak	Vertical	
4	450.01	37.87	40.80	-2.93	46.00	-8.13	100	342	Peak	Vertical	
5	570.29	37.61	38.40	-0.79	46.00	-8.39	100	159	Peak	Vertical	
6	897.18	37.06	32.38	4.68	46.00	-8.94	200	357	Peak	Vertical	

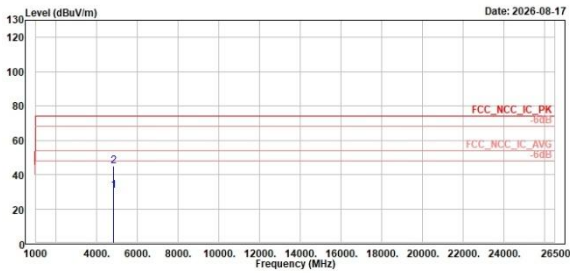
Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

802.11b

Low Channel (Horizontal)



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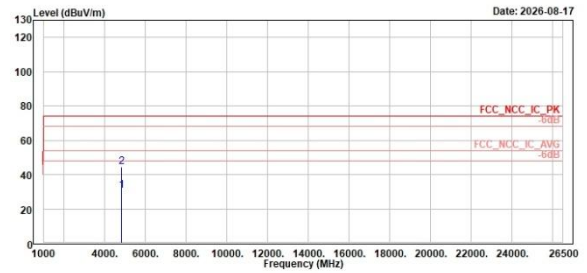
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : Horizontal
Test Engineer: Chuan
Order : 48308150
Test Rating : 3.3Vdc
Tmp/Hum : 24.5~26.8°C/54~59%
Mode : TX_b_2412
Power Setting: -12
Plane : E2
Sample : A004358425-003
Test Data : 20260817
VBW : 500Hz
ANT : A003648659-004

	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4824.00	30.79	22.71	8.00	54.00	-23.21	200	0 Average	Horizontal	
2	4824.00	45.13	37.05	8.00	74.00	-28.87	200	0 Peak	Horizontal	

Low Channel (Vertical)



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Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : Vertical
Test Engineer: Chuan
Order : 48308150
Test Rating : 3.3Vdc
Tmp/Hum : 24.5~26.8°C/54~59%
Mode : TX_b_2412
Power Setting: -12
Plane : E2
Sample : A004358425-003
Test Data : 20260817
VBW : 500Hz
ANT : A003648659-004

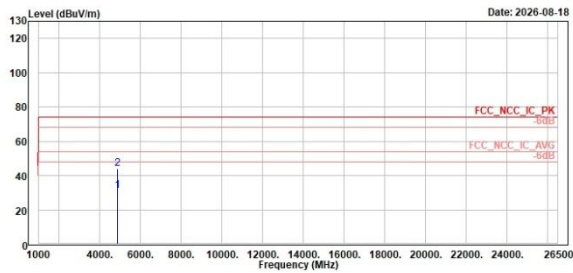
	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4824.00	30.85	22.77	8.00	54.00	-23.15	315	360 Average	Vertical	
2	4824.00	44.60	36.52	8.00	74.00	-29.40	315	360 Peak	Vertical	

802.11g

Middle Channel (Horizontal)



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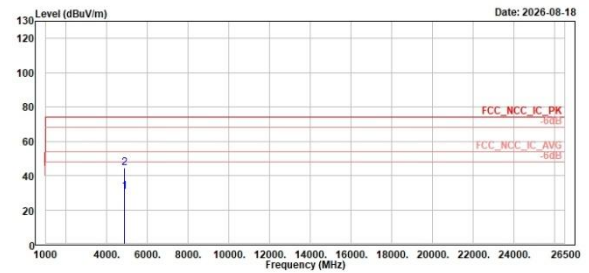
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : Horizontal
Test Engineer: Chuan
Order : 48308150
Test Rating : 3.3Vdc
Tmp/Hum : 24.5~26.8°C/54~59%
Mode : TX_g_2437
Power Setting: -11
Plane : E2
Sample : A004358425-003
Test Data : 20260817
VBW : 1kHz
ANT : A003648659-004

	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4874.00	31.11	22.93	8.18	54.00	-22.89	300	212 Average	Horizontal	
2	4874.00	44.16	35.98	8.18	74.00	-29.84	300	212 Peak	Horizontal	

Middle Channel (Vertical)



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Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : Vertical
Test Engineer: Chuan
Order : 48308150
Test Rating : 3.3Vdc
Tmp/Hum : 24.5~26.8°C/54~59%
Mode : TX_g_2437
Power Setting: -11
Plane : E2
Sample : A004358425-003
Test Data : 20260817
VBW : 1kHz
ANT : A003648659-004

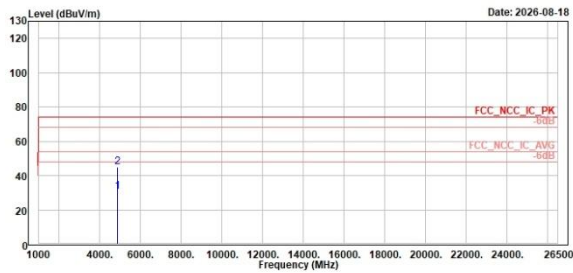
	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4874.00	30.74	22.56	8.18	54.00	-23.26	300	158 Average	Vertical	
2	4874.00	44.47	36.29	8.18	74.00	-29.53	300	158 Peak	Vertical	

802.11n HT20

Middle Channel (Horizontal)



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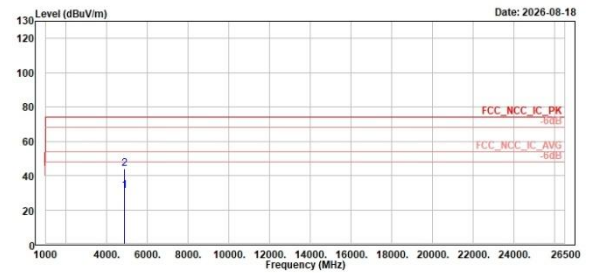
Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : Horizontal
Test Engineer: Chuan
Order : 48308150
Test Rating : 3.3Vdc
Tmp/Hum : 24.5~26.8°C/54~59%
Mode : TX_n20_2437
Power Setting: -12
Plane : E2
Sample : A004358425-003
Test Data : 20260817
VBW : 1kHz
ANT : A003648659-004

	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4874.00	30.82	22.64	8.18	54.00	-23.18	100	360	Average	Horizontal	
2	4874.00	44.80	36.62	8.18	74.00	-29.20	100	360	Peak	Horizontal	

Middle Channel (Vertical)



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Site : 3m_Semi-Anechoic_Chamber(966_C)
Condition : Vertical
Test Engineer: Chuan
Order : 48308150
Test Rating : 3.3Vdc
Tmp/Hum : 24.5~26.8°C/54~59%
Mode : TX_n20_2437
Power Setting: -12
Plane : E2
Sample : A004358425-003
Test Data : 20260817
VBW : 1kHz
ANT : A003648659-004

	Freq	Level	Read	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4874.00	30.90	22.72	8.18	54.00	-23.10	300	229	Average	Vertical	
2	4874.00	44.13	35.95	8.18	74.00	-29.07	300	229	Peak	Vertical	