

# Appendix A: Test Results of Radiated Emissions

## Band Edges, 2.31GHz ~ 2.9GHz

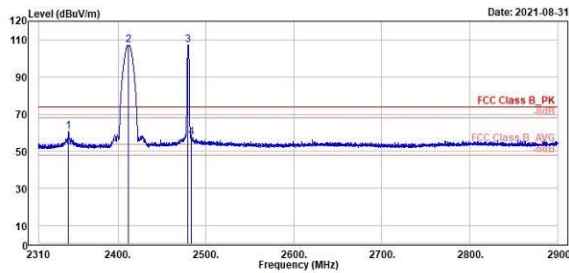
### BT\_8DPSK\_2480 MHz + 802.11b\_2412 MHz

#### (Horizontal) Peak

#### (Vertical) Peak



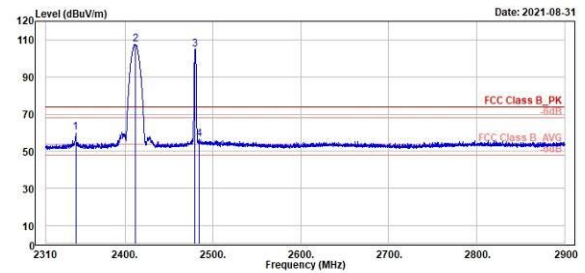
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1	2	3	4								
Freq	Level	Read	Limit								
MHz	dBuV/m	Level	Line								
		Factor									
		dB/m	dBuV/m								
			dB								
		Over									
		Limit									
		Limit									
		APos	TPos								
		cm	deg								
		Remark	Pol/Phase								
		Note									
1	2343.92	69.64	23.38	37.26	74.00	-13.36	333	10	Peak	Horizontal	
2 *	2412.00	107.33	69.61	37.72	74.00	33.33	180	299	Peak	Horizontal	
3 *	2480.00	107.20	69.05	38.15	74.00	33.20	105	55	Peak	Horizontal	
4	2483.50	57.47	19.31	38.16	74.00	-16.53	105	55	Peak	Horizontal	



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1	2	3	4								
Freq	Level	Read	Limit								
MHz	dBuV/m	Level	Line								
		Factor									
		dB/m	dBuV/m								
			dB								
		Over									
		Limit									
		APos	TPos								
		cm	deg								
		Remark	Pol/Phase								
		Note									
1	2344.04	69.09	22.03	37.26	74.00	-13.91	357	104	Peak	Vertical	
2 *	2412.00	107.90	70.18	37.72	74.00	33.90	378	74	Peak	Vertical	
3 *	2480.00	105.13	66.90	38.15	74.00	31.13	366	63	Peak	Vertical	
4	2484.68	56.40	18.23	38.17	74.00	-17.60	366	63	Peak	Vertical	

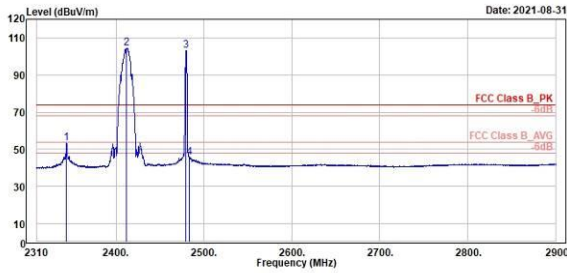
BT\_8DPSK\_2480 MHz + 802.11b\_2412 MHz

(Horizontal) Average

(Vertical) Average



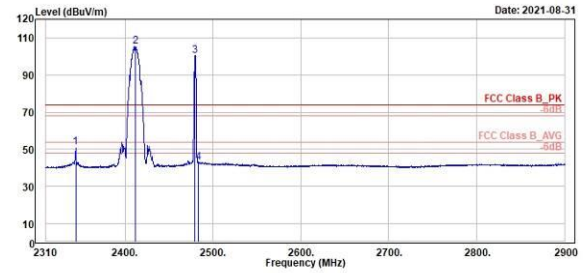
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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2343.92	53.16	15.90	37.26	54.00	-0.84	333	10 Average	Horizontal
2 *	2412.00	104.67	66.95	37.72	54.00	50.67	180	299 Average	Horizontal
3 *	2480.00	102.97	64.82	38.15	54.00	48.97	105	55 Average	Horizontal
4	2483.50	45.53	7.37	38.16	54.00	-8.47	105	55 Average	Horizontal

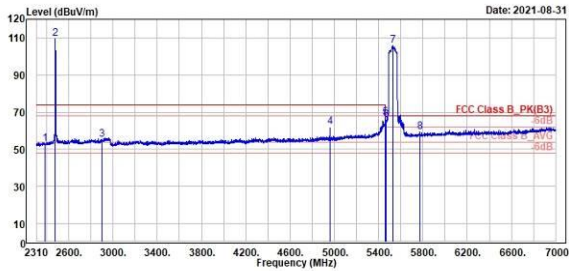


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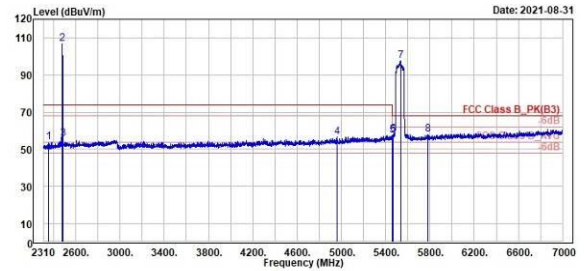


Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2344.04	51.10	13.04	37.26	54.00	-2.90	357	104 Average	Vertical
2 *	2412.00	105.22	67.50	37.72	54.00	51.22	378	74 Average	Vertical
3 *	2480.00	100.51	62.36	38.15	54.00	46.51	366	63 Average	Vertical
4	2483.50	43.02	4.86	38.16	54.00	-10.98	366	63 Average	Vertical

**BT\_8DPSK\_2480 MHz + 802.11ac\_5530 MHz**
**(Horizonta) Peak**
**High Channel (Vertical) Peak**

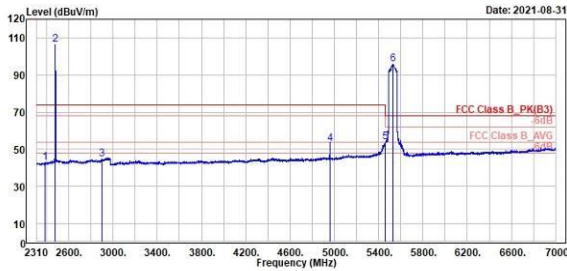
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Peak	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2382.18	53.07	15.57	37.50	74.00	-20.93	102	53 Peak	Horizontal	
2 *	2480.00	109.46	71.31	38.15	74.00	35.46	102	53 Peak	Horizontal	
3	2899.88	55.03	16.41	38.62	74.00	-18.97	102	53 Peak	Horizontal	
4	4960.00	62.11	19.67	42.44	74.00	-11.89	135	65 Peak	Horizontal	
5	5458.83	67.19	23.61	43.58	74.00	-6.81	125	281 Peak	Horizontal	
6 †	5470.06	65.85	22.24	43.61	68.20	-2.35	125	281 Peak	Horizontal	
7 *	5530.00	105.76	62.22	43.54	68.20	37.56	109	297 Peak	Horizontal	
8	5772.49	59.44	15.71	43.73	68.20	-8.76	109	297 Peak	Horizontal	

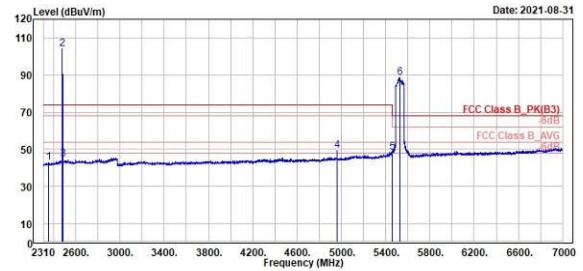

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Peak	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2352.13	53.70	16.41	37.29	74.00	-20.30	360	125 Peak	Vertical	
2 *	2480.00	106.73	68.58	38.15	74.00	32.73	360	125 Peak	Vertical	
3	2484.16	55.76	17.59	38.17	74.00	-18.24	360	125 Peak	Vertical	
4	4960.00	56.52	14.08	42.44	74.00	-17.48	360	125 Peak	Vertical	
5	5456.95	57.49	13.92	43.57	74.00	-16.51	374	18 Peak	Vertical	
6	5469.13	57.91	14.30	43.61	68.20	-10.29	374	18 Peak	Vertical	
7 *	5530.00	97.55	54.04	43.51	68.20	29.35	374	18 Peak	Vertical	
8	5779.98	58.07	14.34	43.73	68.20	-10.13	374	18 Peak	Vertical	

**BT\_8DPSK\_2480 MHz + 802.11ac\_5530 MHz**
**(Horizontal) Average**
**(Vertical) Average**

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1	2	3	4	5	6
Level	Read	Limit	Over	APos	TPos
dBuV/m	Level	Line	Limit	cm	deg
	Factor				
dBuV	dB/m	dBuV/m	dB	cm	deg
2382.10	42.99	5.49	37.50	54.00	-11.01
2480.00	104.41	68.26	36.15	54.00	52.41
2899.88	44.51	5.89	38.62	54.00	-9.49
4960.00	52.90	10.46	42.44	54.00	-1.10
5458.83	53.62	10.04	43.58	54.00	-0.38
5530.00	95.62	52.00	43.54	54.00	41.62


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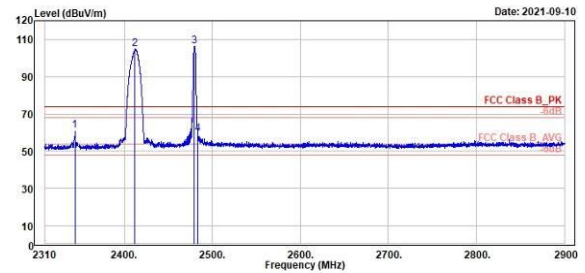
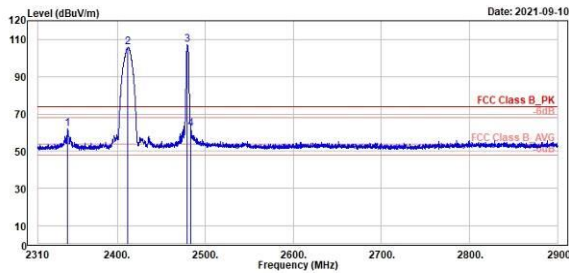
1	2	3	4	5	6
Level	Read	Limit	Over	APos	TPos
dBuV/m	Level	Line	Limit	cm	deg
	Factor				
dBuV	dB/m	dBuV/m	dB	cm	deg
2352.13	42.67	5.38	37.29	54.00	-11.33
2480.00	104.07	65.92	38.15	54.00	50.07
2484.16	44.57	6.40	38.17	54.00	-9.43
4960.00	49.09	6.65	42.44	54.00	-4.91
5456.95	48.58	5.01	43.57	54.00	-5.42
5530.00	88.68	45.14	43.54	54.00	34.68

**BLE\_2M\_2480 MHz + 802.11b\_2412 MHz**
**(Horizontal) Peak**
**(Vertical) Peak**


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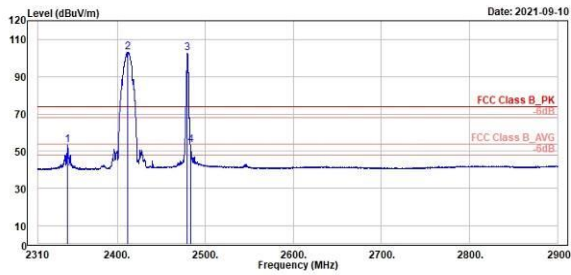


Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2343.45	62.11	24.85	37.26	74.00	-11.89	48 Peak	Horizontal	
2 *	2412.00	105.88	68.08	37.72	74.00	31.88	56 Peak	Horizontal	
3 *	2480.00	107.02	68.87	38.15	74.00	33.02	100	48 Peak	Horizontal
4	2483.58	61.91	23.75	38.16	74.00	-12.09	198	189 Peak	Horizontal

Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2344.04	61.05	23.79	37.26	74.00	-12.95	348	268 Peak	Vertical
2 *	2412.00	104.72	67.00	37.72	74.00	30.72	287	245 Peak	Vertical
3 *	2480.00	106.23	68.00	38.15	74.00	32.23	330	71 Peak	Vertical
4	2483.58	59.41	21.25	38.16	74.00	-14.59	330	71 Peak	Vertical

**BLE\_2M\_2480 MHz + 802.11b\_2412 MHz**
**(Horizontal) Average**
**(Vertical) Average**

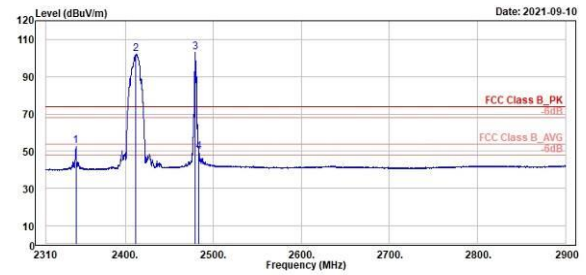

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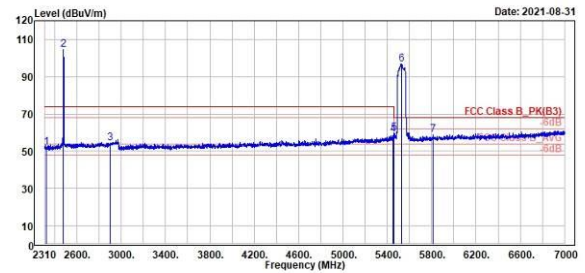
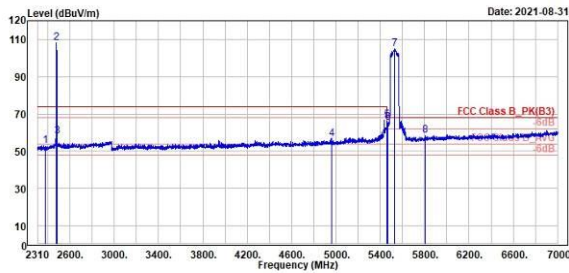
Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1   2343.81	53.48	16.22	37.26	54.00	-0.52	100	48 Average	Horizontal	
2 * 2412.00	103.51	65.59	37.72	54.00	49.31	172	56 Average	Horizontal	
3 * 2480.00	102.58	64.43	38.15	54.00	48.58	100	48 Average	Horizontal	
4 ! 2483.50	53.48	15.32	38.16	54.00	-0.52	198	189 Average	Horizontal	



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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1   2344.04	52.91	15.65	37.26	54.00	-1.09	348	260 Average	Vertical	
2 * 2412.00	102.05	64.33	37.72	54.00	48.05	287	245 Average	Vertical	
3 * 2480.00	103.14	64.99	38.15	54.00	49.14	330	71 Average	Vertical	
4 ! 2483.50	49.56	11.40	38.16	54.00	-4.44	330	71 Average	Vertical	

**BLE\_2M\_2480 MHz + 802.11ac\_5530 MHz**
**(Horizontal) Peak**
**(Vertical) Peak**


Peak	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2377.42	53.07	15.60	37.47	74.00	-20.93	102	53 Peak	Horizontal	
2 *	2400.00	108.01	69.06	38.15	74.00	34.01	102	53 Peak	Horizontal	
3	2484.16	57.75	19.58	38.17	74.00	-16.25	102	53 Peak	Horizontal	
4	4959.77	56.65	14.21	42.44	74.00	-17.35	109	297 Peak	Horizontal	
5	5458.83	66.42	22.84	43.58	74.00	-7.58	109	297 Peak	Horizontal	
6 †	5469.13	65.20	21.59	43.61	68.20	-3.00	109	297 Peak	Horizontal	
7 *	5530.00	104.93	61.39	43.54	68.20	36.73	109	297 Peak	Horizontal	
8	5803.39	58.52	14.76	43.76	68.20	-9.68	109	297 Peak	Horizontal	

Peak	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2323.11	52.10	14.91	37.19	74.00	-21.90	366	63 Peak	Vertical	
2 *	2400.00	104.35	65.20	38.15	74.00	30.35	366	63 Peak	Vertical	
3	2899.88	54.21	15.59	38.62	74.00	-19.79	366	63 Peak	Vertical	
4	5454.15	58.68	15.11	43.57	74.00	-15.32	374	18 Peak	Vertical	
5	5460.70	59.99	16.41	43.58	68.20	-8.21	374	18 Peak	Vertical	
6 *	5530.00	96.82	53.28	43.54	68.20	28.62	374	18 Peak	Vertical	
7	5811.82	58.88	15.10	43.78	68.20	-9.32	374	18 Peak	Vertical	

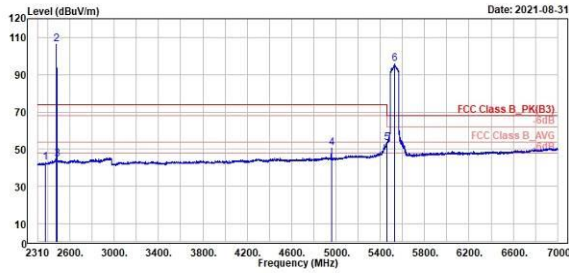
BLE\_2M\_2480 MHz + 802.11ac\_5530 MHz

(Horizontal) Average

(Vertical) Average



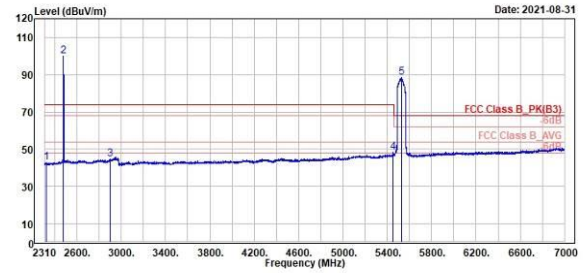
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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2377.42	42.75	5.28	37.47	54.00	-11.25	102	53 Average	Horizontal
2 *	2480.00	105.12	67.97	38.15	54.00	52.12	102	53 Average	Horizontal
3	2484.16	44.66	6.49	38.17	54.00	-9.34	102	53 Average	Horizontal
4 !	4960.00	50.73	8.29	42.44	54.00	-3.27	109	297 Average	Horizontal
5 !	5458.83	53.48	9.90	43.58	54.00	-0.52	109	297 Average	Horizontal
6 *	5530.00	95.75	52.21	43.54	54.00	41.75	109	297 Average	Horizontal



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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2323.11	42.72	5.53	37.19	54.00	-11.28	366	63 Average	Vertical
2 *	2480.00	99.73	61.58	38.15	54.00	45.73	366	63 Average	Vertical
3	2899.88	44.60	5.98	38.62	54.00	-9.40	366	63 Average	Vertical
4 !	5454.15	48.48	4.91	43.57	54.00	-5.52	374	18 Average	Vertical
5 *	5526.24	88.59	45.03	43.56	54.00	34.59	374	18 Average	Vertical



Spurious Emissions, Tx Mode, 1GHz ~ 26.5GHz

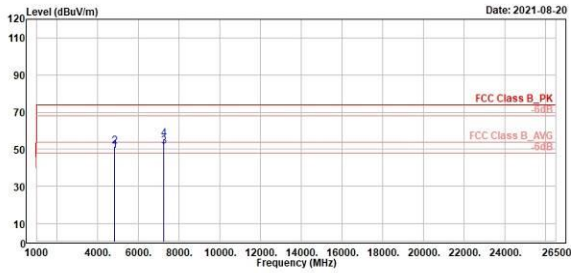
BT\_8DPSK\_2480 MHz + 802.11b\_2412 MHz

Horizontal

Vertical



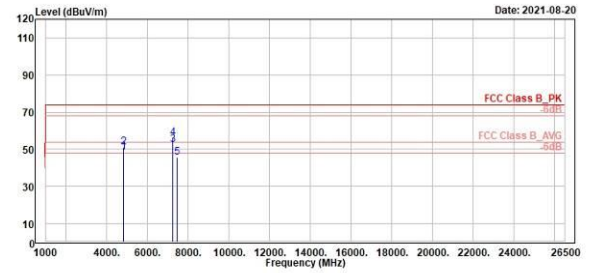
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Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4824.00	49.24	59.00	-9.76	54.00	-4.76	121	300 Average	Horizontal
2	4824.00	51.51	61.27	-9.76	74.00	-22.49	121	308 Peak	Horizontal
3	7236.00	51.64	58.94	-7.30	74.67	-23.03	100	82 Average	Horizontal
4	7236.00	55.46	62.76	-7.30	77.33	-21.87	100	82 Peak	Horizontal



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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	48.52	58.28	-9.76	54.00	-5.48	350	265 Average	Vertical
2	4824.00	51.08	60.84	-9.76	74.00	-22.92	350	285 Peak	Vertical
3	7236.00	52.43	59.73	-7.30	75.22	-22.79	297	106 Average	Vertical
4	7236.00	56.15	63.45	-7.30	77.90	-21.75	297	106 Peak	Vertical
5	7440.00	45.45	52.70	-7.25	74.00	-28.55	100	255 Peak	Vertical

BT\_8DPSK\_2480 MHz + 802.11ac\_5530 MHz

Horizontal

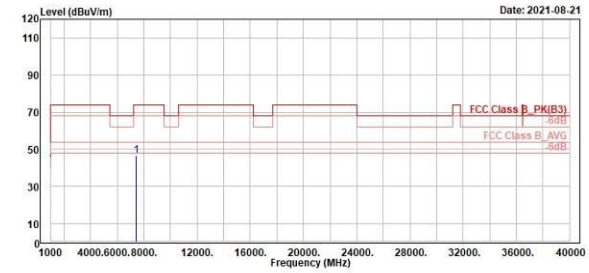
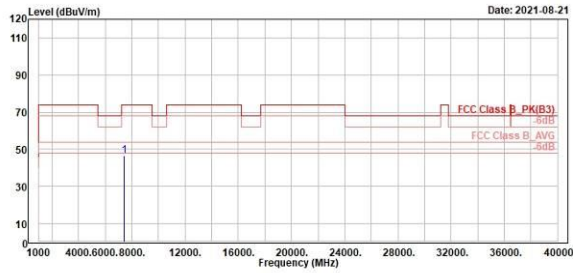
Vertical



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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	7440.00	46.53	53.78	-7.25	74.00	-27.47	300	65 Peak	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	7440.00	46.44	53.69	-7.25	74.00	-27.56	400	92 Peak	Vertical	

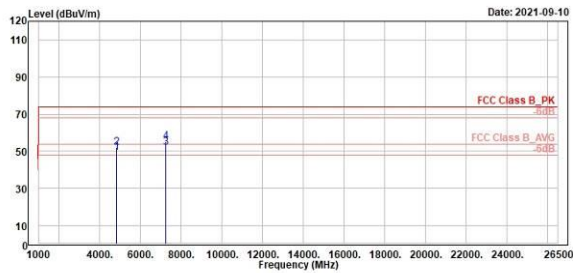
BLE\_2M\_2480 MHz + 802.11b\_2412 MHz

Horizontal

Vertical



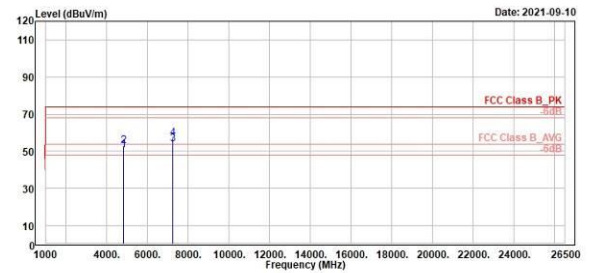
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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4824.00	49.23	58.99	-9.76	54.00	-4.77	187	232 Average	Horizontal	
2	4824.00	52.07	61.83	-9.76	74.00	-21.93	187	232 Peak	Horizontal	
3	7236.00	51.96	59.26	-7.30	73.31	-21.35	232	43 Average	Horizontal	
4	7236.00	55.40	62.70	-7.30	75.00	-20.40	232	43 Peak	Horizontal	



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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	4824.00	50.00	60.56	-9.76	54.00	-3.20	208	256 Average	Vertical	
2	4824.00	53.01	62.77	-9.76	74.00	-20.99	208	256 Peak	Vertical	
3	7236.00	53.98	61.28	-7.30	72.05	-18.07	249	69 Average	Vertical	
4	7236.00	57.22	64.52	-7.30	74.72	-17.50	249	69 Peak	Vertical	

BLE\_2M\_2480 MHz + 802.11ac\_5530 MHz

Horizontal

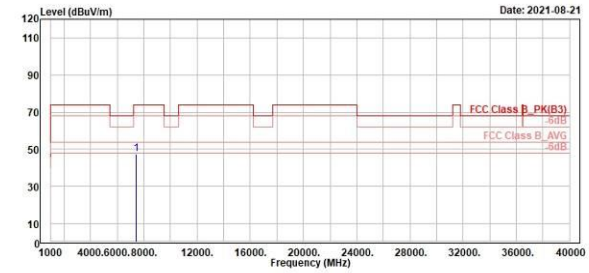
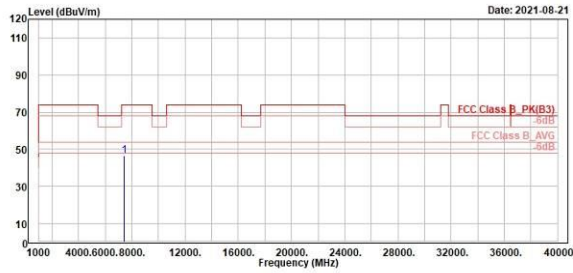
Vertical



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Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	7440.00	46.72	53.97	-7.25	74.00	-27.28	100	173 Peak	Horizontal	

Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg			
1	7440.00	47.39	54.64	-7.25	74.00	-26.61	100	343 Peak	Vertical	