

Appendix B: Test Results of Radiated Emissions& Mains Conducted Emission Test

Band Edges, 2.31GHz ~ 7GHz

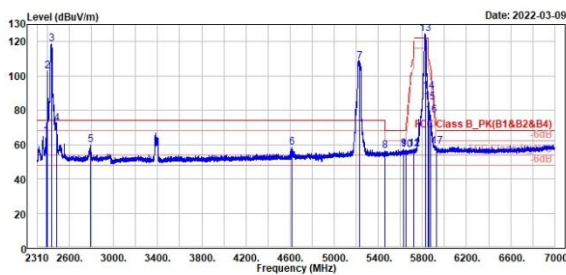
802.11ax HE20 2437(Traffic)+ 802.11a 5825 (Traffic)+ 802.11ac HE 40 5230(Scan)+BLE 2M
2402

(Horizontal) Peak

(Vertical) Peak



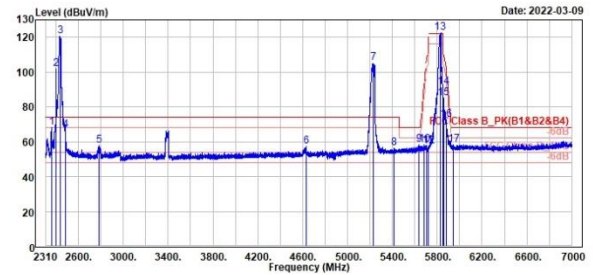
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	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2388.84	64.68	27.10	37.58	74.00	-9.32	100	360 Peak	Horizontal	
2 *	2402.00	103.02	65.39	37.63	74.00	29.02	113	360 Peak	Horizontal	
3 *	2437.00	118.42	80.74	37.68	74.00	44.42	100	110 Peak	Horizontal	
4 !	2484.32	72.02	34.22	37.00	74.00	-1.98	105	360 Peak	Horizontal	
5	2788.73	59.64	21.45	38.19	74.00	-14.36	300	337 Peak	Horizontal	
6	4615.50	58.30	16.33	41.97	74.00	-15.70	364	333 Peak	Horizontal	
7 *	5230.00	100.22	65.21	43.01	74.00	34.22	364	333 Peak	Horizontal	
8	5459.50	56.28	13.02	43.26	74.00	-17.72	364	333 Peak	Horizontal	
9	5631.50	57.09	13.68	43.41	68.20	-11.11	200	279 Peak	Horizontal	
10	5652.50	57.04	13.61	43.43	70.06	-13.02	161	360 Peak	Horizontal	
11	5717.50	57.10	13.42	43.68	110.10	-53.00	132	360 Peak	Horizontal	
12	5721.00	57.34	13.66	43.68	113.00	-55.74	100	13 Peak	Horizontal	
13 *	5825.00	124.79	80.87	43.92	122.20	2.59	200	19 Peak	Horizontal	
14	5850.00	91.14	47.15	43.99	122.20	-31.06	300	76 Peak	Horizontal	
15	5857.50	84.42	40.41	44.01	110.10	-25.68	200	30 Peak	Horizontal	
16	5876.50	77.10	33.03	44.07	104.09	-26.99	200	337 Peak	Horizontal	
17	5925.50	59.01	14.80	44.21	68.20	-9.19	200	360 Peak	Horizontal	



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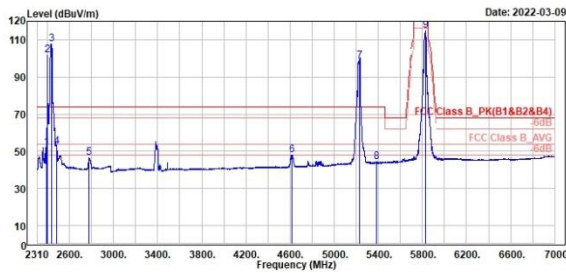


	Freq	Level	Read	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1 !	2360.37	68.12	30.69	37.43	74.00	-5.88	300	360 Peak	Vertical	
2 *	2402.00	101.78	64.15	37.63	74.00	27.78	300	16 Peak	Vertical	
3 *	2437.00	120.42	82.74	37.68	74.00	46.42	399	360 Peak	Vertical	
4	2486.08	66.49	28.69	37.00	74.00	-7.51	300	34 Peak	Vertical	
5	2785.23	57.05	19.46	38.19	74.00	-16.35	300	360 Peak	Vertical	
6	4632.50	57.12	15.10	42.02	74.00	-16.88	100	306 Peak	Vertical	
7 *	5230.00	105.29	62.28	43.01	74.00	31.29	100	306 Peak	Vertical	
8	5415.00	56.55	13.33	43.22	74.00	-17.45	100	306 Peak	Vertical	
9	5638.00	58.14	14.73	43.41	68.20	-10.06	100	20 Peak	Vertical	
10	5686.50	58.29	14.69	43.60	95.24	-36.95	273	1 Peak	Vertical	
11	5707.00	57.71	14.04	43.67	107.16	-49.45	319	360 Peak	Vertical	
12	5720.00	57.37	13.69	43.68	110.00	-53.43	400	293 Peak	Vertical	
13 *	5825.00	122.38	78.46	43.92	122.20	0.18	200	61 Peak	Vertical	
14	5850.00	91.42	47.43	43.99	122.20	-30.78	200	40 Peak	Vertical	
15	5855.50	85.14	41.13	44.01	110.66	-25.52	200	27 Peak	Vertical	
16	5876.50	72.46	28.38	44.08	102.60	-30.14	300	328 Peak	Vertical	
17	5944.50	58.26	14.00	44.26	68.20	-9.94	400	4 Peak	Vertical	

802.11ax HE20 2437(Traffic)+ 802.11a 5825 (Traffic)+ 802.11ac 2462(Scan)+BLE 2M_2402
(Horizontal) Average (Vertical) Average



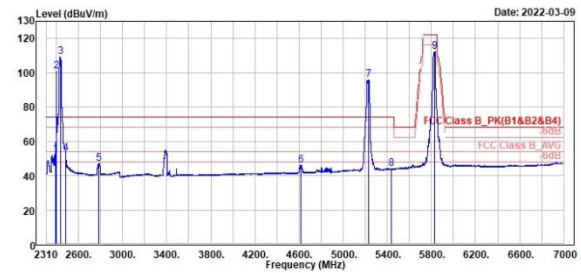
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	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	2389.72	52.11	14.53	37.58	54.00	-1.89	100	360	Average	Horizontal		
2	2402.00	101.90	64.27	37.63	54.00	47.90	113	360	Average	Horizontal		
3	2437.00	107.61	69.93	37.68	54.00	53.61	100	110	Average	Horizontal		
4	2483.89	52.39	14.59	37.80	54.00	-1.61	105	360	Average	Horizontal		
5	2779.10	46.37	8.19	38.18	54.00	-7.63	300	337	Average	Horizontal		
6	4613.50	48.13	6.17	41.96	54.00	-5.87	364	333	Average	Horizontal		
7	5230.00	98.78	55.77	43.01	54.00	44.78	364	333	Average	Horizontal		
8	5380.50	44.36	1.25	43.11	54.00	-9.64	364	333	Average	Horizontal		
9	5825.00	114.94	71.02	43.92	54.00	60.94	200	19	Average	Horizontal		



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	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	2389.28	52.52	14.94	37.58	54.00	-1.48	300	360	Average	Vertical		
2	2402.00	100.86	63.23	37.63	54.00	46.86	300	16	Average	Vertical		
3	2437.00	109.30	71.62	37.68	54.00	55.30	399	360	Average	Vertical		
4	2483.89	52.93	15.13	37.80	54.00	-1.07	300	34	Average	Vertical		
5	2784.79	47.16	8.97	38.19	54.00	-6.84	300	360	Average	Vertical		
6	4617.50	46.04	4.07	41.97	54.00	-7.96	100	306	Average	Vertical		
7	5230.00	95.65	52.64	43.01	54.00	41.65	100	306	Average	Vertical		
8	5438.00	44.04	0.80	43.24	54.00	-9.96	100	306	Average	Vertical		
9	5825.00	112.37	68.45	43.92	54.00	58.37	200	61	Average	Vertical		

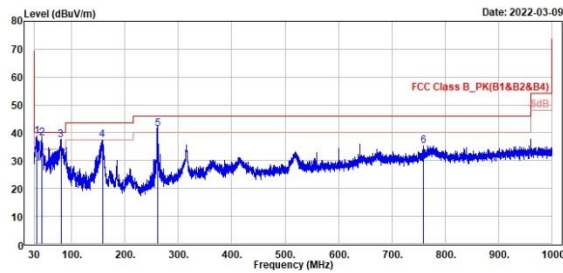
Spurious Emissions, Tx Mode, 30MHz ~ 1GHz

802.11ax HE20 2437(Traffic)+ 802.11a 5825 (Traffic)+ 802.11ac 2462(Scan)+BLE 2M_2402

Horizontal



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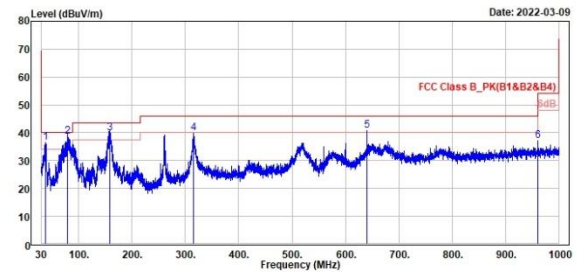


	Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	34.46	38.52	46.74	-8.22	40.00	-1.48	180	257	QP	Vertical		
2	43.97	38.12	45.13	-7.01	40.00	-1.88	204	85	QP	Vertical		
3	79.66	37.56	49.14	-11.58	40.00	-2.44	112	58	QP	Vertical		
4	157.36	37.29	43.79	-6.50	43.50	-6.21	275	119	QP	Vertical		
5	260.76	41.38	48.22	-6.84	46.00	-4.62	164	305	QP	Vertical		
6	760.02	35.39	33.10	2.29	46.00	-10.61	186	312	QP	Vertical		

Vertical



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	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	38.34	36.42	44.03	-7.61	40.00	-3.58	304	158	QP	Horizontal		
2	79.47	38.48	50.02	-11.54	40.00	-1.52	297	68	QP	Horizontal		
3	158.14	39.73	46.17	-6.44	43.50	-3.77	385	114	QP	Horizontal		
4	315.28	39.83	44.89	-5.06	46.00	-6.17	201	72	QP	Horizontal		
5	640.03	40.66	40.36	0.30	46.00	-5.34	318	45	QP	Horizontal		
6	960.04	37.25	32.53	4.72	54.00	-16.75	275	139	QP	Horizontal		

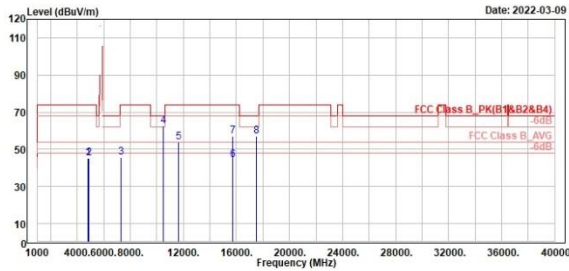
Spurious Emissions, Tx Mode, 1GHz ~ 40GHz

802.11ax HE20 2437(Traffic)+ 802.11a 5825 (Traffic)+ 802.11ac 2462(Scan)+BLE 2M_2402

(Horizontal) Peak



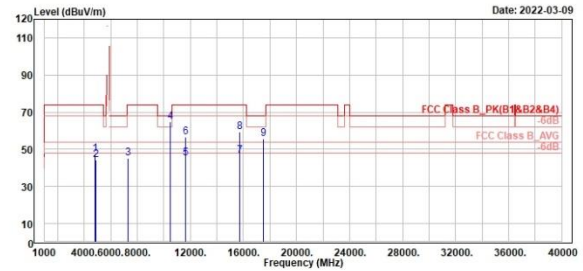
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Freq	Level	Read	Level	Factor	Limit	Over	APos	TPos	Remark	Pol/Phase	Note
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg				
1	4804.00	45.15	55.02	-9.87	74.00	-28.85	300	348	Peak	Vertical	
2	4874.00	45.37	55.14	-9.77	74.00	-28.63	200	278	Peak	Vertical	
3	7311.00	45.66	53.17	-7.51	74.00	-28.34	345	360	Peak	Vertical	
4	10460.00	62.47	65.75	-3.28	68.20	-5.73	300	360	Peak	Vertical	
5	11650.00	53.72	54.66	-0.94	74.00	-20.28	157	360	Peak	Vertical	
6	15690.00	44.37	40.44	3.93	54.00	-9.63	200	4	Average	Vertical	
7	15690.00	57.14	53.21	3.93	74.00	-16.86	200	4	Peak	Vertical	
8	17475.00	56.93	49.98	6.95	68.20	-11.27	160	360	Peak	Vertical	



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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	4804.00	47.39	57.26	-9.87	74.00	-26.61	100	40	Peak	Horizontal	
2	4874.00	44.46	54.23	-9.77	74.00	-29.54	300	141	Peak	Horizontal	
3	7311.00	44.96	52.47	-7.51	74.00	-29.04	200	298	Peak	Horizontal	
4	10460.00	64.82	68.10	-3.28	68.20	-3.38	200	32	Peak	Horizontal	
5	11650.00	45.13	46.07	-0.94	54.00	-8.87	200	290	Average	Horizontal	
6	11650.00	56.65	57.59	-0.94	74.00	-17.35	200	290	Peak	Horizontal	
7	15690.00	46.68	42.75	3.93	54.00	-7.32	135	360	Average	Horizontal	
8	15690.00	59.46	55.53	3.93	74.00	-14.54	135	360	Peak	Horizontal	
9	17475.00	55.81	48.86	6.95	68.20	-12.39	200	68	Peak	Horizontal	

Mains Conducted Emission, 150kHz ~ 30MHz

802.11ax HE20 2437(Traffic)+ 802.11a 5825 (Traffic)+ 802.11ac 2462(Scan)+BLE 2M_2402

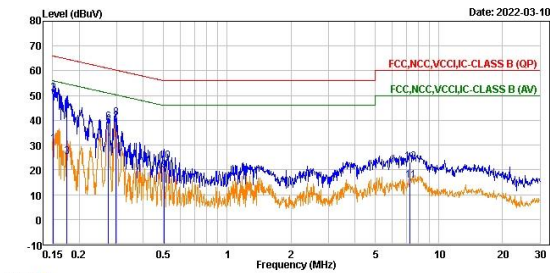
Worst Band for Adapter

(Line)

(Neutral)



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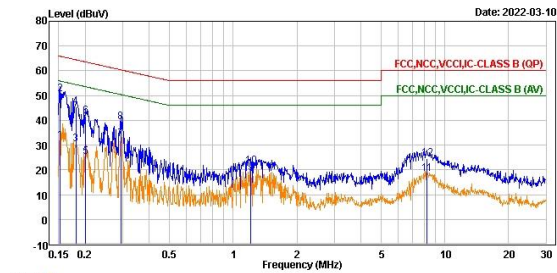


Trace: 1

	Freq	Level	Read	Limit	Over			
	MHz	dBuV	Level	Line	Limit	Remark	Pol/Phase	Note
	MHz	dBuV	Factor	dB	dBuV	dB		
1	0.15	30.24	20.55	9.69	55.96	-25.72	Average	line1
2	0.15	51.00	41.31	9.69	65.96	-14.96	QP	line1
3	0.17	25.11	15.43	9.68	54.76	-29.65	Average	line1
4	0.17	45.69	36.01	9.68	64.76	-19.07	QP	line1
5	0.27	37.74	28.06	9.68	50.99	-13.25	Average	line1
6	0.27	39.40	29.72	9.68	60.99	-21.59	QP	line1
7	0.30	39.29	29.62	9.67	50.33	-11.04	Average	line1
8	0.30	41.02	31.35	9.67	60.33	-19.31	QP	line1
9	0.50	19.69	10.01	9.68	46.00	-26.31	Average	line1
10	0.50	23.58	13.90	9.68	56.00	-32.42	QP	line1
11	7.32	15.66	5.87	9.79	50.00	-34.34	Average	line1
12	7.32	23.14	13.35	9.79	60.00	-36.86	QP	line1



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Trace: 1

	Freq	Level	Read	Limit	Over			
	MHz	dBuV	Level	Line	Limit	Remark	Pol/Phase	Note
	MHz	dBuV	Factor	dB	dBuV	dB		
1	0.15	31.58	21.91	9.67	55.92	-24.34	Average	neutral
2	0.15	50.61	40.94	9.67	65.92	-15.31	QP	neutral
3	0.18	30.39	20.73	9.66	54.47	-24.08	Average	neutral
4	0.18	45.38	35.72	9.66	64.47	-19.09	QP	neutral
5	0.20	25.14	15.48	9.66	53.60	-28.46	Average	neutral
6	0.20	41.82	32.16	9.66	63.60	-21.78	QP	neutral
7	0.29	32.34	22.69	9.65	50.41	-18.07	Average	neutral
8	0.29	39.41	29.76	9.65	60.41	-21.00	QP	neutral
9	1.20	18.70	9.04	9.66	46.00	-27.30	Average	neutral
10	1.20	21.63	11.97	9.66	56.00	-34.37	QP	neutral
11	8.21	18.39	8.62	9.77	50.00	-31.61	Average	neutral
12	8.21	24.63	14.86	9.77	60.00	-35.37	QP	neutral

802.11ax HE20 2437(Traffic)+ 802.11a 5825 (Traffic)+ 802.11ac 2462(Scan)+BLE 2M_2402

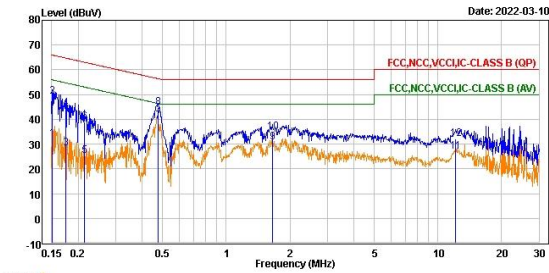
Worst Band for POE

(Line)

(Neutral)



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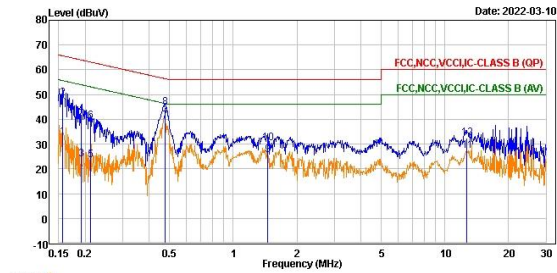


Trace: 1

	Freq	Level	Read	Limit	Over		
	MHz	dBuV	Level	Line	Limit	Remark	Pol/Phase
		dBuV	Factor		dB		Note
1	0.15	32.01	22.32	9.69	55.96	-23.95 Average	line1
2	0.15	49.15	39.46	9.69	65.96	-16.81 QP	line1
3	0.17	28.35	18.67	9.68	54.76	-26.41 Average	line1
4	0.17	44.55	34.87	9.68	64.76	-20.21 QP	line1
5	0.21	25.15	15.47	9.68	53.06	-27.91 Average	line1
6	0.21	39.06	29.38	9.68	63.06	-24.00 QP	line1
7	0.48	39.43	29.75	9.68	46.40	-6.97 Average	line1
8	0.48	44.61	34.93	9.68	56.40	-11.79 QP	line1
9	1.65	30.89	21.18	9.71	46.00	-15.11 Average	line1
10	1.65	34.71	25.00	9.71	56.00	-21.29 QP	line1
11	12.11	27.07	17.26	9.81	50.00	-22.93 Average	line1
12	12.11	32.19	22.38	9.81	60.00	-27.81 QP	line1



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Trace: 1

	Freq	Level	Read	Limit	Over		
	MHz	dBuV	Level	Line	Limit	Remark	Pol/Phase
		dBuV	Factor		dB		Note
1	0.16	32.83	23.16	9.67	55.63	-22.80 Average	neutral
2	0.16	48.65	38.98	9.67	65.63	-16.98 QP	neutral
3	0.19	23.95	14.29	9.66	53.97	-30.02 Average	neutral
4	0.19	41.85	32.19	9.66	63.97	-22.12 QP	neutral
5	0.21	23.41	13.75	9.66	53.14	-29.73 Average	neutral
6	0.21	39.28	29.62	9.66	63.14	-23.86 QP	neutral
7	0.48	39.42	29.76	9.66	46.40	-6.98 Average	neutral
8	0.48	44.66	35.00	9.66	56.40	-11.74 QP	neutral
9	1.45	25.59	15.91	9.68	46.00	-20.41 Average	neutral
10	1.45	30.40	20.72	9.68	56.00	-25.60 QP	neutral
11	12.73	27.20	17.38	9.82	50.00	-22.80 Average	neutral
12	12.73	32.37	22.55	9.82	60.00	-27.63 QP	neutral