Test Report No.50346974 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50346974 001AppendixD)

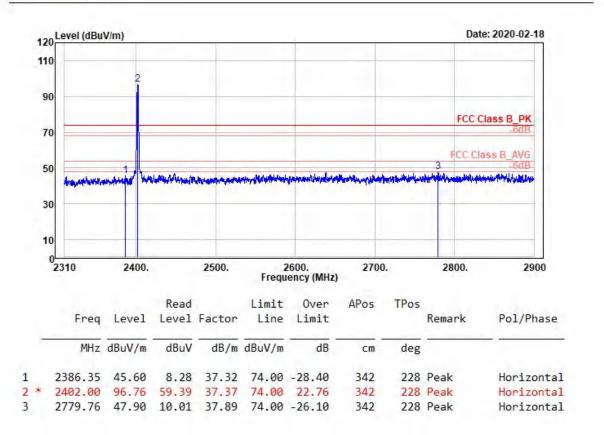
Contents

Spurious Emissions, Band Edges, 2.35-2.5G(Bluetooth Low Energy 500kbps)	2
Spurious Emissions, Band Edges, 2.35-2.5G(Bluetooth Low Energy 2Mbps)	
Spurious Emissions, TX Mode, 1-26.5G(Bluetooth Low Energy 500kbps)	26
Spurious Emissions, TX Mode, 1-26.5G(Bluetooth Low Energy 2Mbps)	32
Spurious Emissions, TX Mode, 30M-1G(Bluetooth Low Energy 2Mbps)	38
Spurious Emissions, TX Mode, 9k-30M(Bluetooth Low Energy 2Mbps)	40
Spurious Emissions, Mains, 150kHz - 30MHz(Bluetooth Low Energy 500kbps)	42

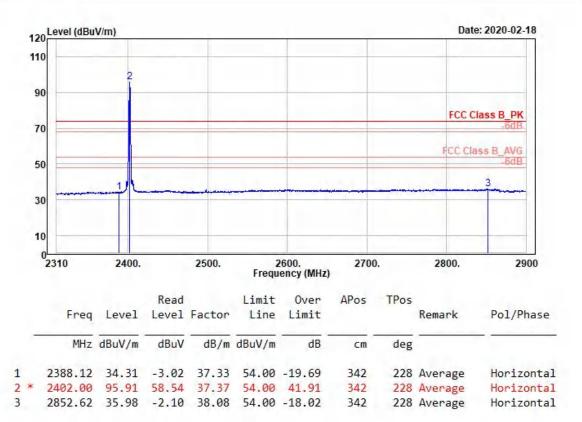
Spurious Emissions, Band Edges, 2.35-2.5G(Bluetooth Low Energy 500kbps)

2402MHz Horizontal

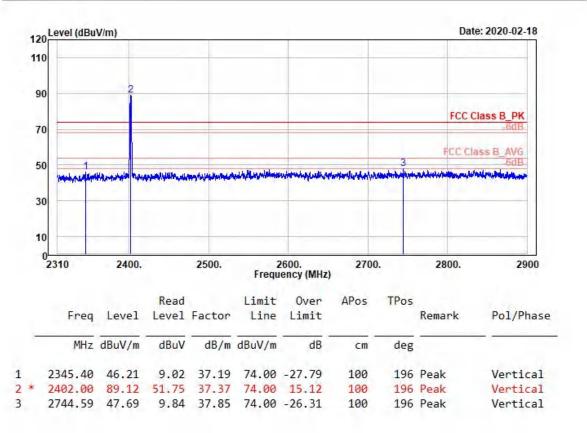




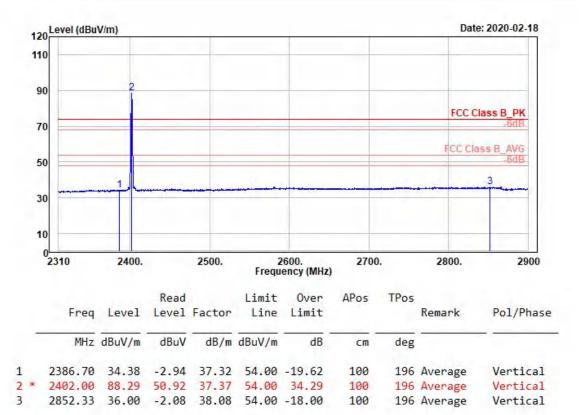




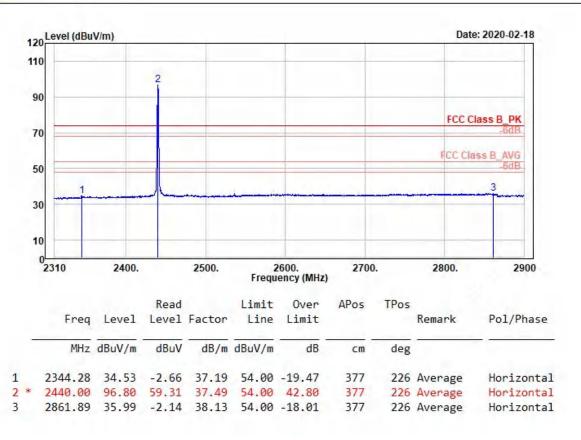




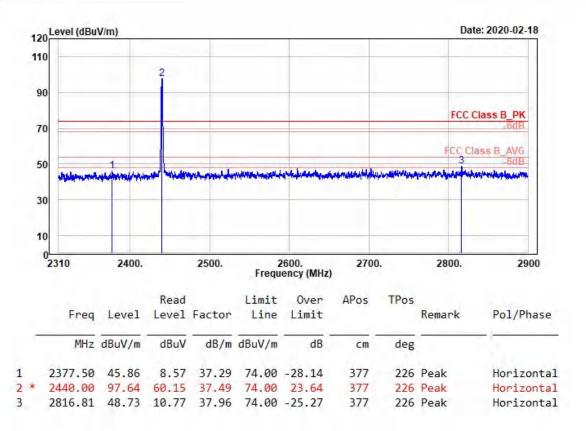




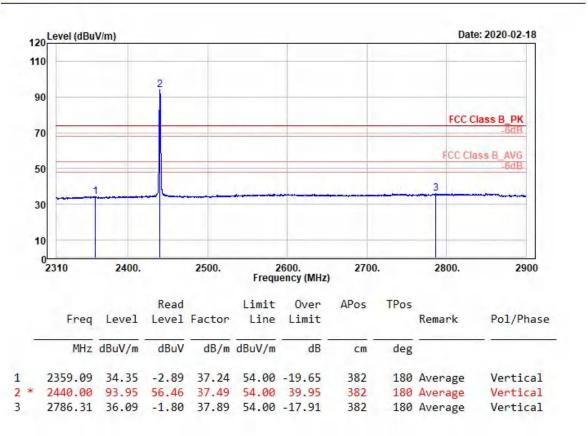




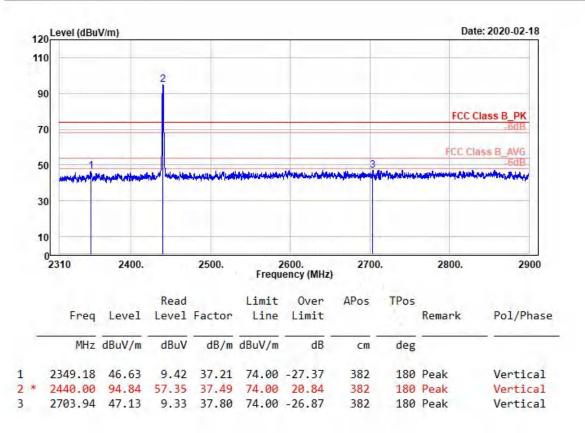




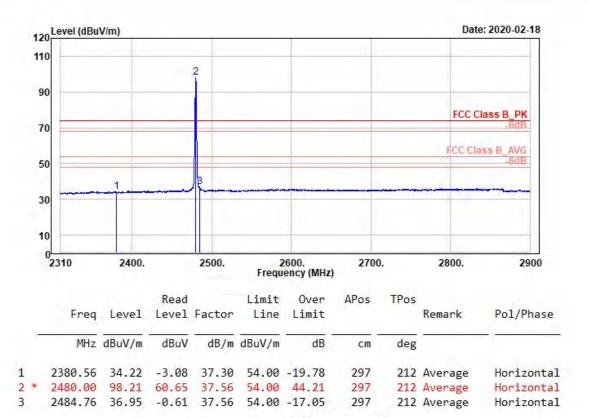




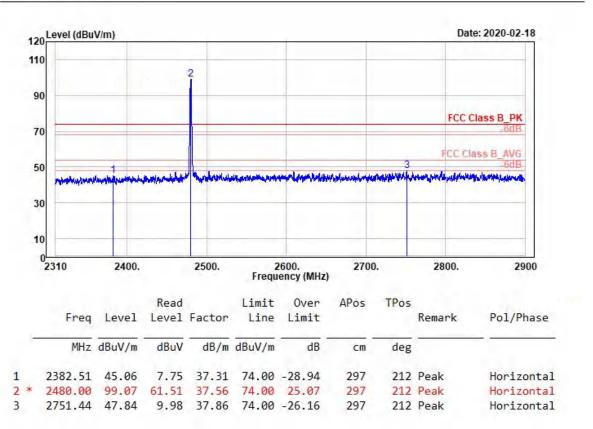




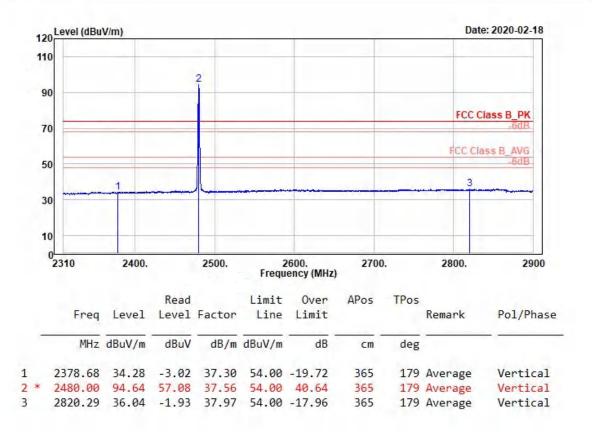




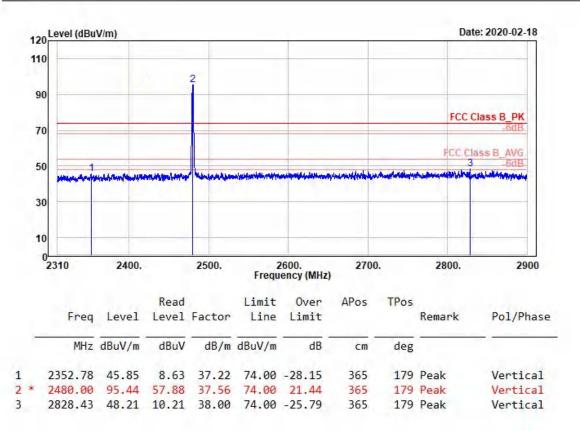








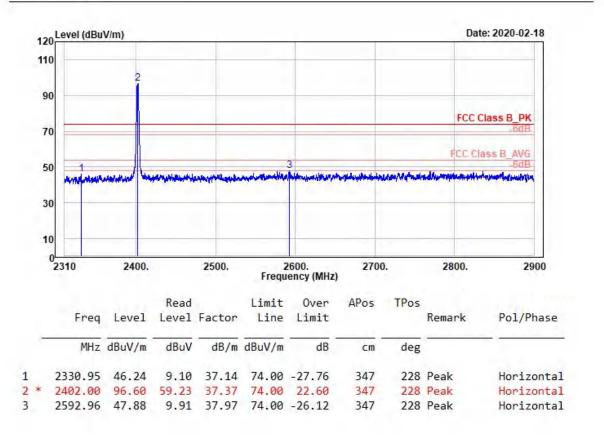




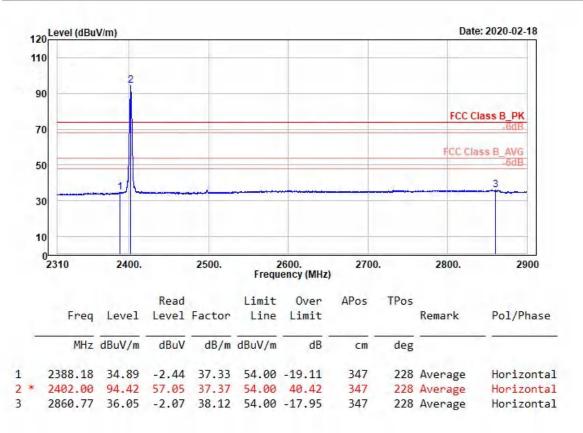
Spurious Emissions, Band Edges, 2.35-2.5G(Bluetooth Low Energy 2Mbps)

2402MHz Horizontal

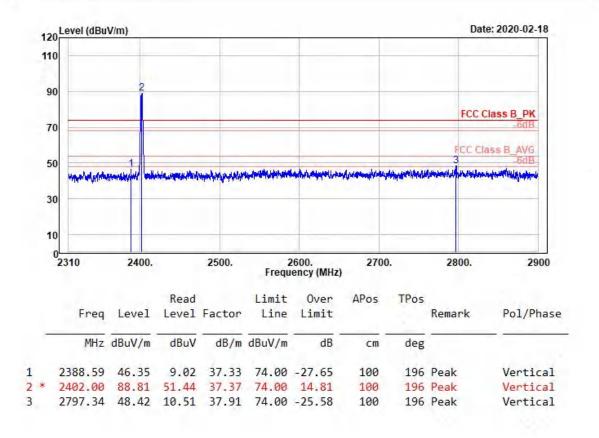




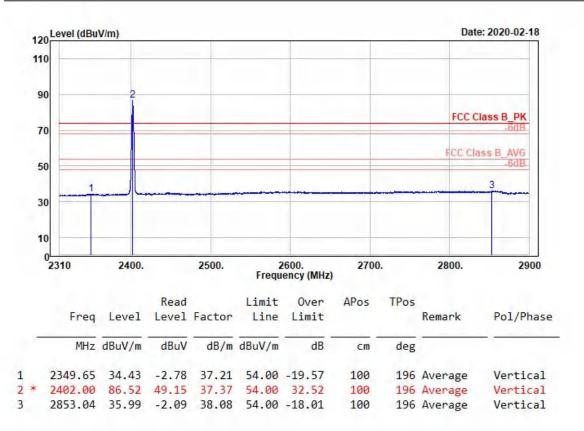




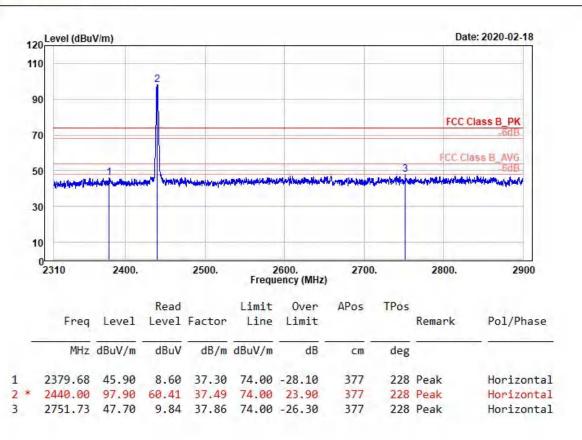




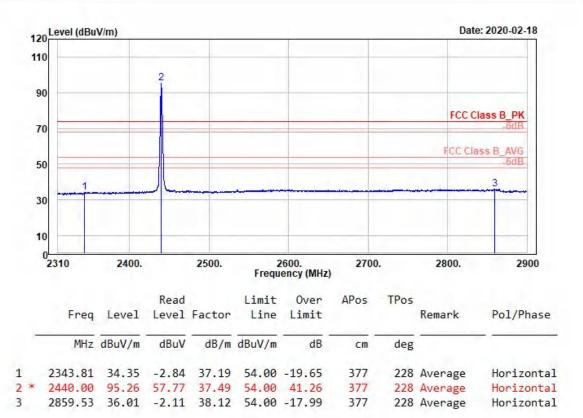




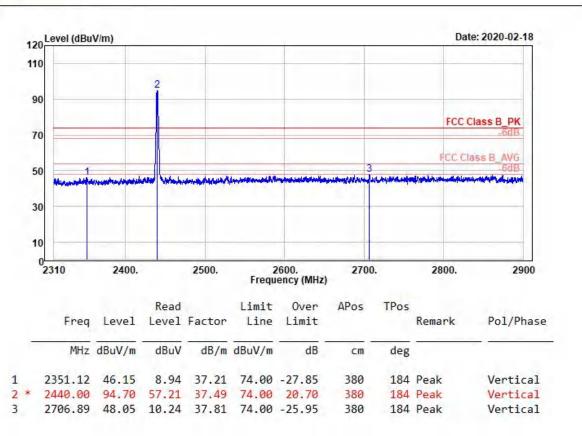




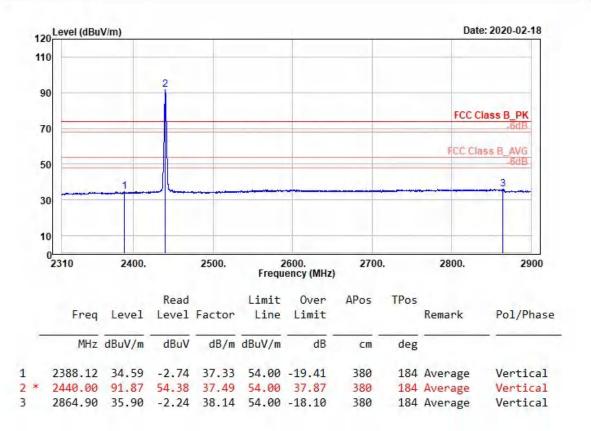




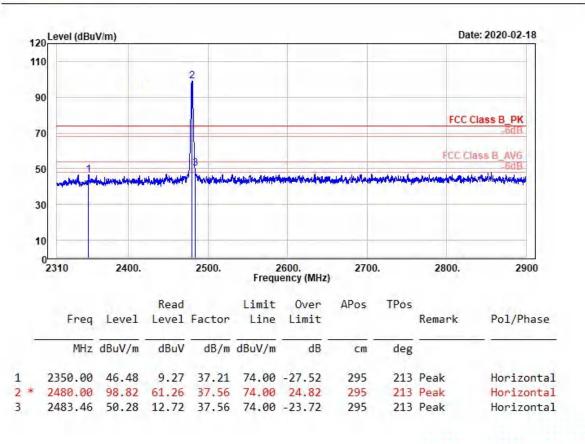




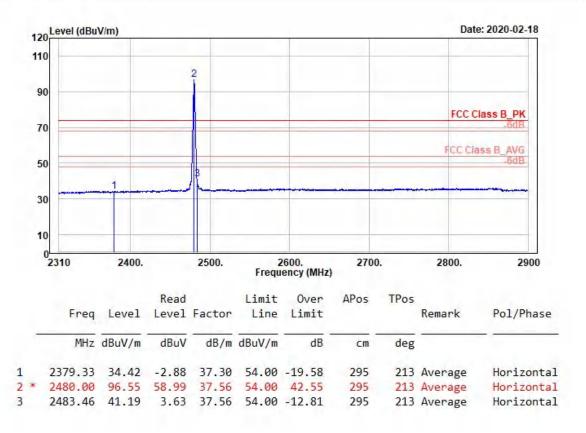




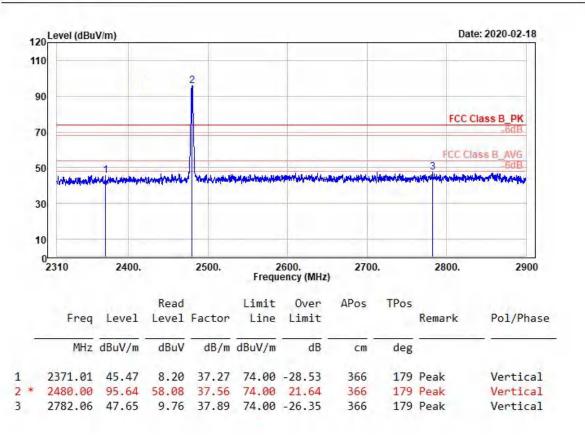




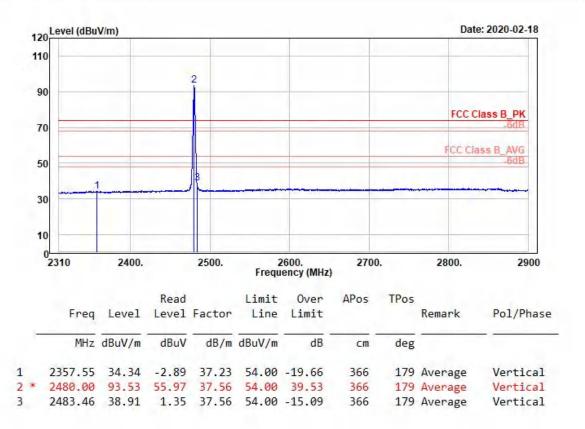






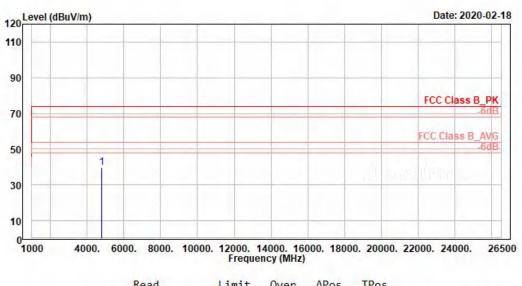






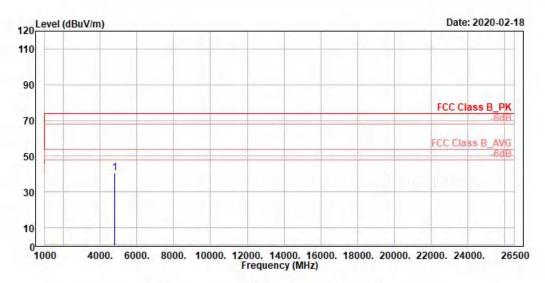
Spurious Emissions, TX Mode, 1-26.5G(Bluetooth Low Energy 500kbps)





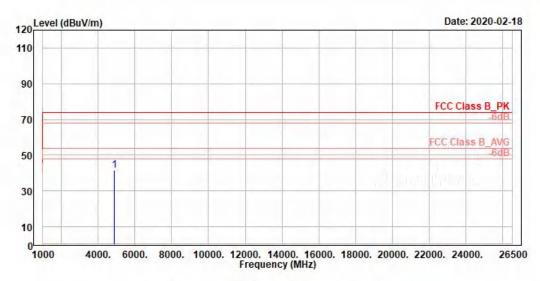
	Freq	Level	Read Level				APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804 00	39 84	50 04	-10 20	74 99	-34 16	300	316	Peak	horizontal





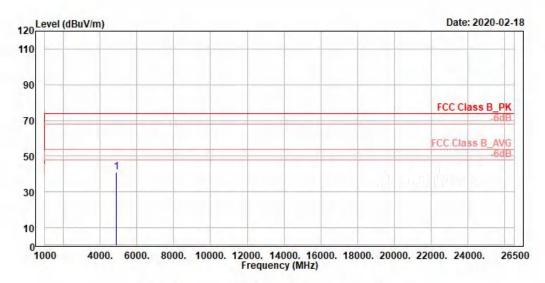
	Freq	Level	Read Level			Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.00	40.68	50.88	-10.20	74.00	-33.32	215	300	Peak	vertical





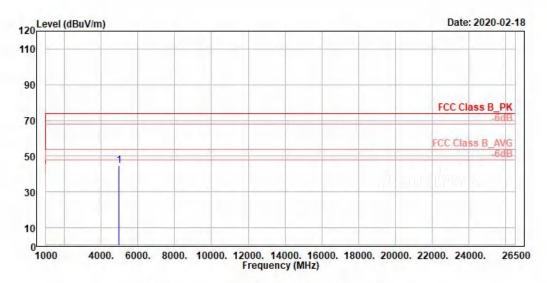
Freq	Level	Read Level		Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB -	cm	deg		
4880.00	41.36	51.42	-10.06	74.00	-32.64	100	211	Peak	horizontal





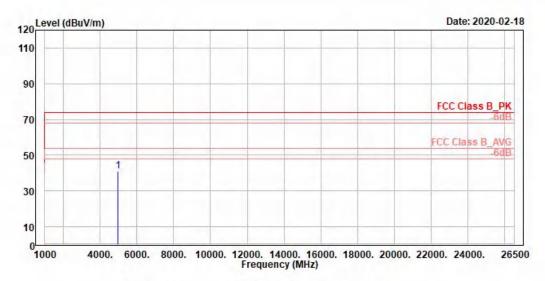
	Freq	Level	Read Level			Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	-	
1	4880.00	41.11	51.17	-10.06	74.00	-32.89	100	228	Peak	vertical





	Freq	Level	Read Level				APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	-	
1	4960.00	44.67	54.43	-9.76	74.00	-29.33	200	201	Peak	horizontal

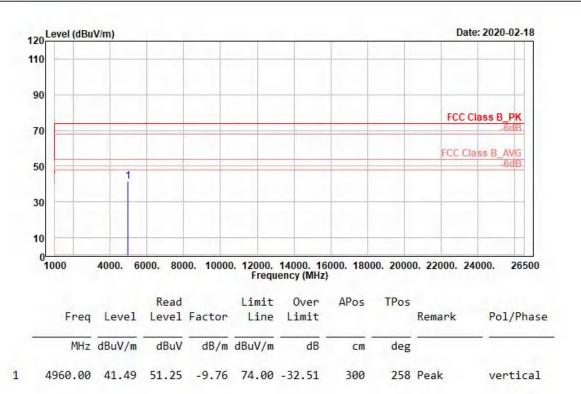




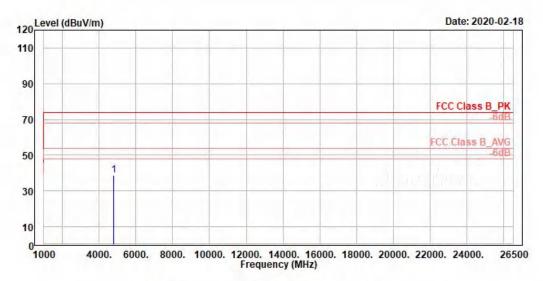
	Freq	Level	Read Level		-	Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB -	cm	deg	-	
1	4960.00	41.28	51.04	-9.76	74.00	-32.72	200	262	Peak	vertical

Spurious Emissions, TX Mode, 1-26.5G(Bluetooth Low Energy 2Mbps)



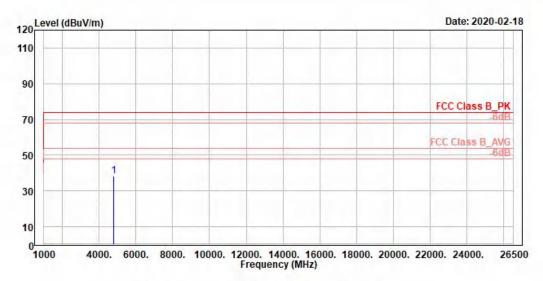






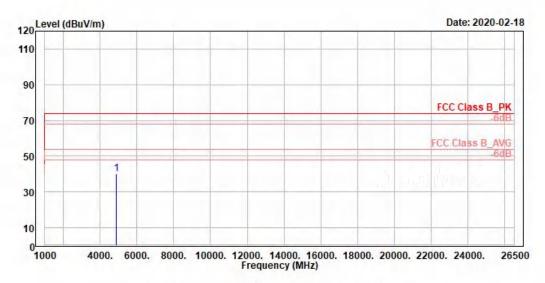
	Freq	Level	Read Level				APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.00	38.79	48.99	-10.20	74.00	-35.21	131	360	Peak	horizontal





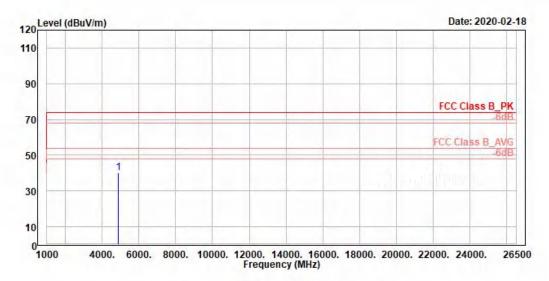
	Freq	Level	Read Level		Limit Line	Over Limit	APos	TPos Remai	rk Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB -	cm	deg	
1	4804.00	38.33	48.53	-10.20	74.00	-35.67	155	312 Peak	vertical





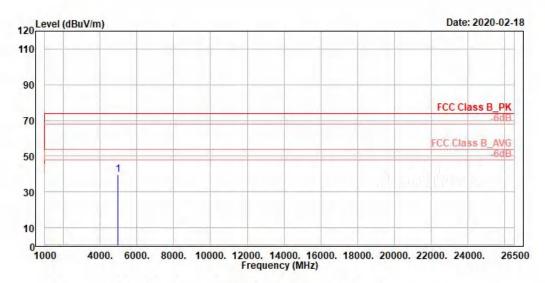
	Freq	Level	Read Level			Over Limit	APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	-	
1	4880.00	39.98	50.04	-10.06	74.00	-34.02	100	14	Peak	horizontal





	Freq	Level	Read Level				APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4880.00	40.02	50.08	-10.06	74.00	-33.98	329	360	Peak	vertical

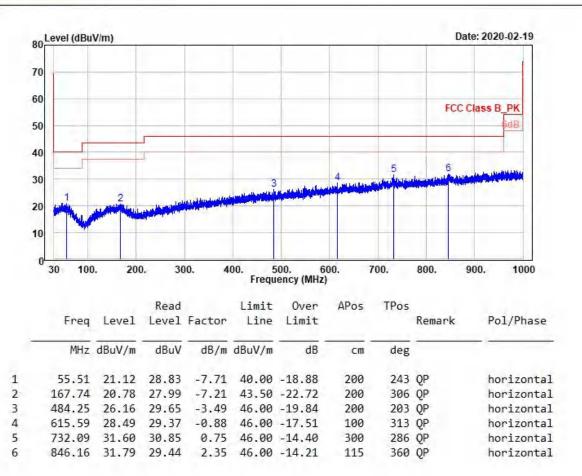




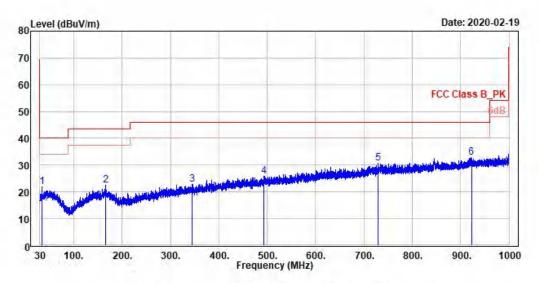
	Freq	Level	Read Level				APos	TPos	Remark	Pol/Phase
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	-	
1	4960.00	39.52	49.28	-9.76	74.00	-34.48	400	187	Peak	horizontal

Spurious Emissions, TX Mode, 30M-1G(Bluetooth Low Energy 2Mbps)





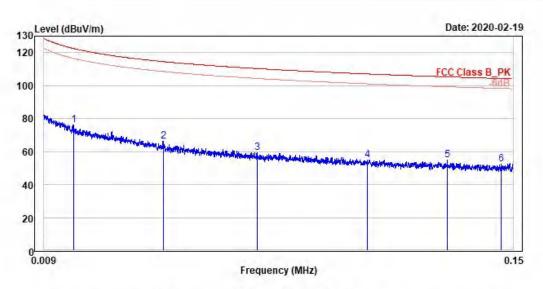




	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Pol/Phase
-	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	-	
1	34.95	21.83	30.56	-8.73	40.00	-18.17	300	13	QP	vertical
2	166.48	22.56	29.79	-7.23	43.50	-20.94	200	62	QP	vertical
3	343.89	22.79	28.48	-5.69	46.00	-23.21	114	360	QP	vertical
4	493.66	25.87	29.17	-3.30	46.00	-20.13	200	331	QP	vertical
5	729.56	30.75	30.05	0.70	46.00	-15.25	300	144	QP	vertical
6	922.40	33.00	29.21	3.79	46.00	-13.00	200	94	OP	vertical

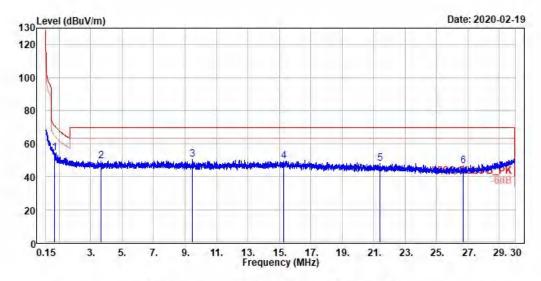
Spurious Emissions, TX Mode, 9k-30M(Bluetooth Low Energy 2Mbps)





	Freq	Level	Read l Level		Limit Line	A CONTRACTOR	APos	TPos	Remark	Pol/Phase
-	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.02	76.18	2.29	73.89	122.55	-46.37	100	37	QP	vertical
2	0.04	66.10	-0.25	66.35	114.56	-48.46	100	218	QP	vertical
3	0.07	59.19	-2.83	62.02	110.32	-51.13	100	344	QP	vertical
4	0.11	55.09	-3.80	58.89	107.08	-51.99	100	75	QP	vertical
5	0.13	54.68	-2.81	57.49	105.30	-50.62	100	148	QP	vertical
6	0.15	52.40	-4.16	56.56	104.29	-51.89	100	133	OP	vertical

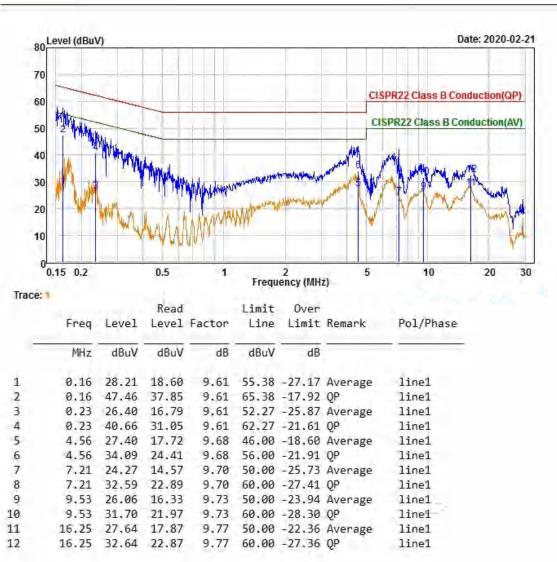




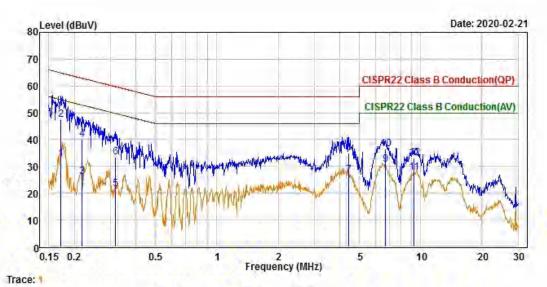
	Freq	Level	Read Level	Factor	Limit Line		APos	TPos	Remark	Pol/Phase
-	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg	-	_
1	0.70	54.56	11.43	43.13	70.67	-16.11	100	339	QP	vertical
2	3.67	49.51	11.22	38.29	69.50	-19.99	100	20	QP	vertical
3	9.49	50.42	12.74	37.68	69.50	-19.08	100	307	QP	vertical
4	15.30	49.42	11.75	37.67	69.50	-20.08	100	295	QP	vertical
5	21.41	48.08	12.09	35.99	69.50	-21.42	100	246	QP	vertical
6	26.70	46.45	12.15	34.30	69.50	-23.05	100	0	OP	vertical

Spurious Emissions, Mains, 150kHz - 30MHz(Bluetooth Low Energy 500kbps)









	-		Read	-	Limit	0ver		0.1/0
	Freq	Level	Level	Factor	Line	Limit	Remark	Pol/Phase
_	MHz	dBuV	dBuV	dB	dBuV	dB		_
1	0.17	32.95	23.33	9.62	54.88	-21.93	Average	neutral
2	0.17	47.52	37.90	9.62	64.88	-17.36	QP	neutral
	0.22	26.26	16.64	9.62	52.90	-26.64	Average	neutral
4	0.22	40.06	30.44	9.62	62.90	-22.84	QP	neutral
5	0.32	21.47	11.85	9.62	49.75	-28.28	Average	neutral
6	0.32	33.36	23.74	9.62	59.75	-26.39	QP	neutral
7	4.45	26.69	17.00	9.69	46.00	-19.31	Average	neutral
8	4.45	35.07	25.38	9.69	56.00	-20.93	QP	neutral
9	6.73	30.60	20.89	9.71	50.00	-19.40	Average	neutral
10	6.73	36.57	26.86	9.71	60.00	-23.43	QP	neutral
11	9.25	27.77	18.03	9.74	50.00	-22.23	Average	neutral
12	9.25	33.07	23.33	9.74	60.00	-26.93	QP	neutral