

Test Report No.50276001 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50276001 001 AppendixD)

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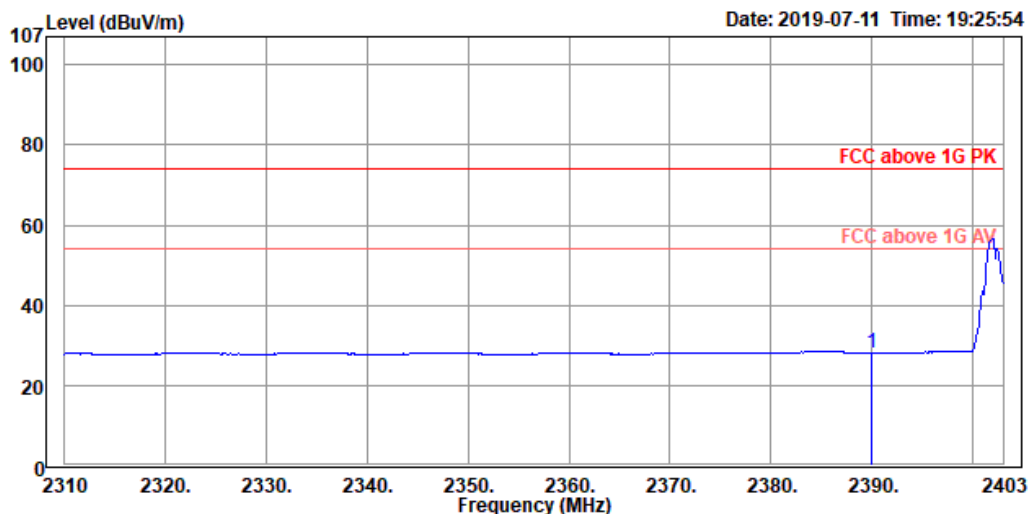
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Left Ear, Spurious Emissions, Band Edges, 2.35-2.5G

Radiated Bandedge (GFSK), Low Channel

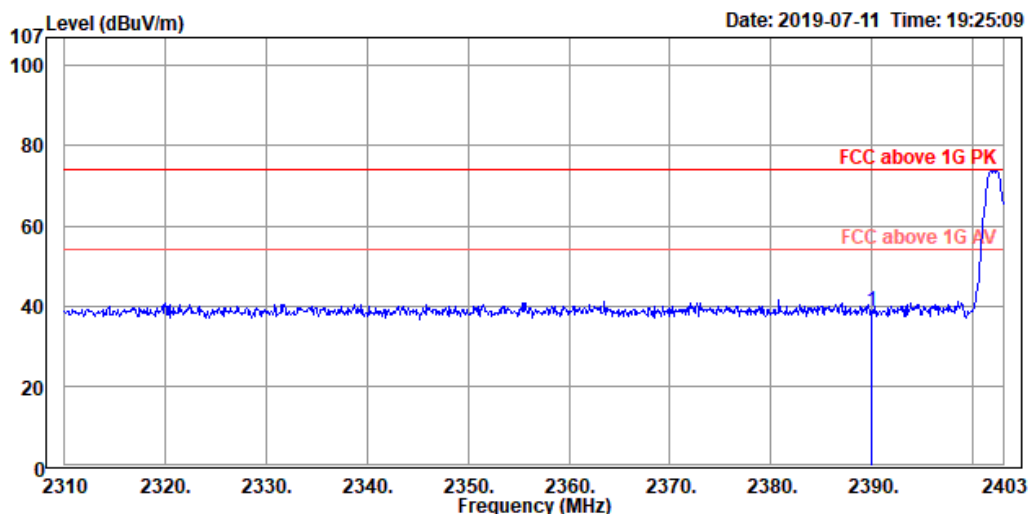


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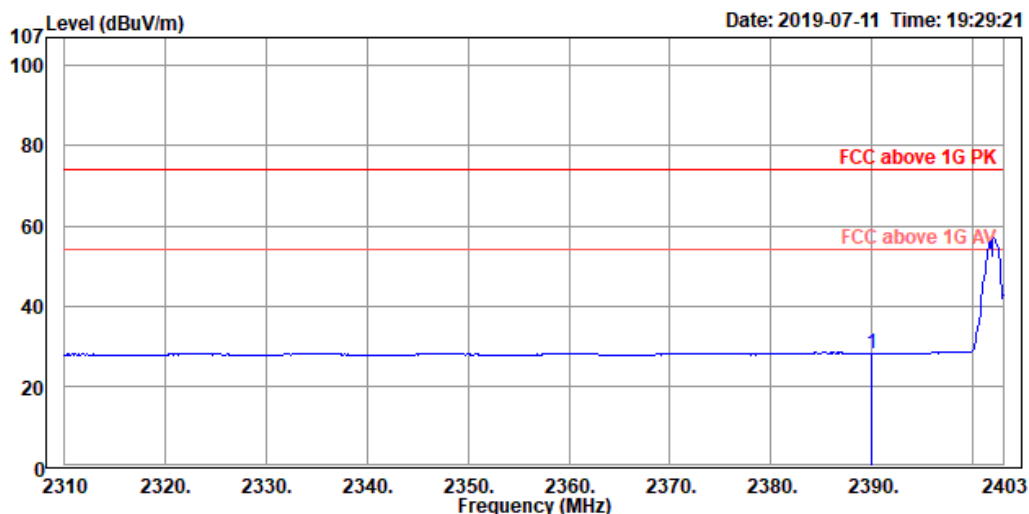
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Horizontal
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 20.6 °C / 57 %
Power Setting: 7
Mode : BLE TX 2402
Memo : X
: Left Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.000	28.07	36.33	-8.26	54.00	-25.93	100	120	Average	



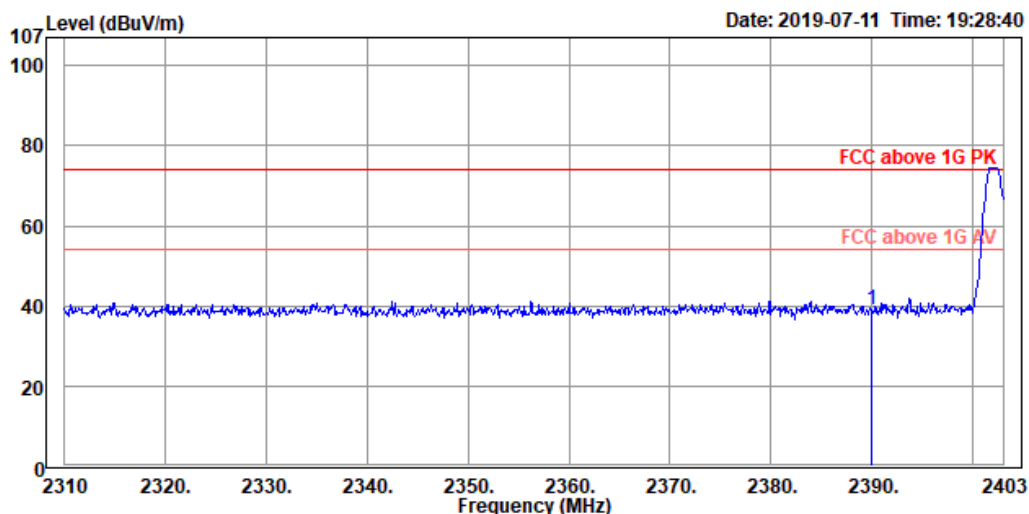
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Horizontal
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 20.6 °C / 57 %
Power Setting: 7
Mode : BLE TX 2402
Memo : X
: Left Ear

	Freq	Level	Read Level	Factor	Limit	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.000	38.75	47.01	-8.26	74.00	-35.25	100	120	Peak	



Site : 966A Chamber A
Condition : FCC above 1G PK 3m Vertical
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 20.6 °C / 57 %
Power Setting: 7
Mode : BLE TX 2402
Memo : X
: Left Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.000	28.01	36.27	-8.26	54.00	-25.99	100	124	Average	



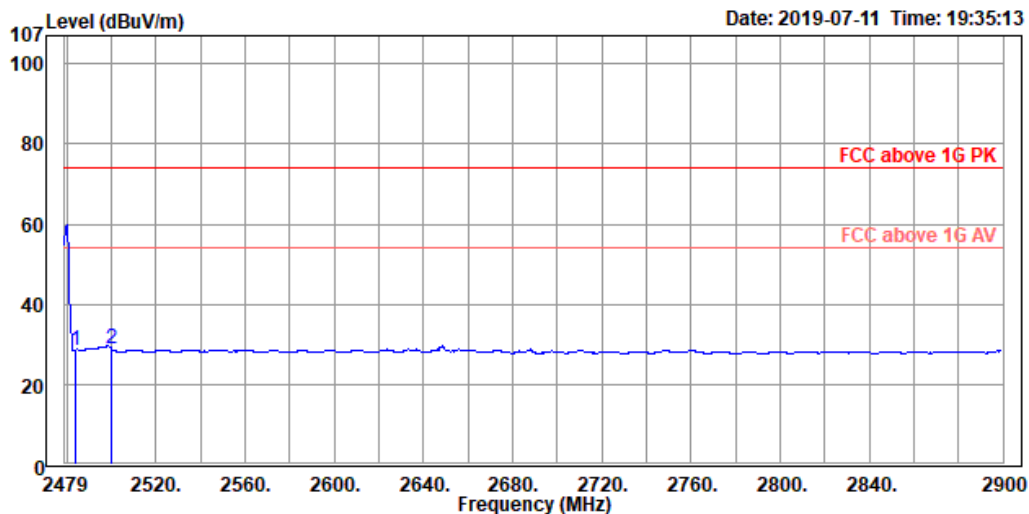
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Vertical
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 20.6 °C / 57 %
Power Setting: 7
Mode : BLE TX 2402
Memo : X
: Left Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.000	38.93	47.19	-8.26	74.00	-35.07	100	124	Peak	

Radiated Bandedge (GFSK), High Channel

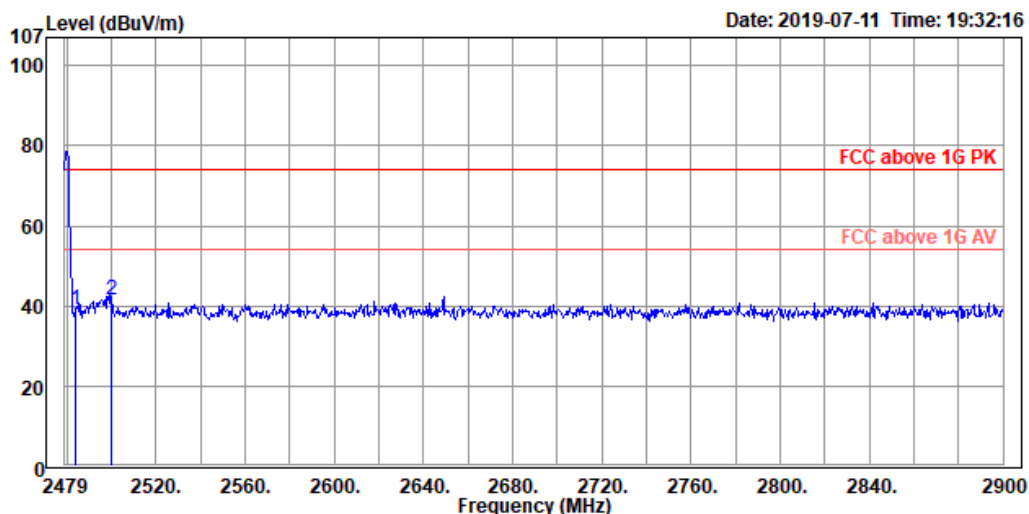


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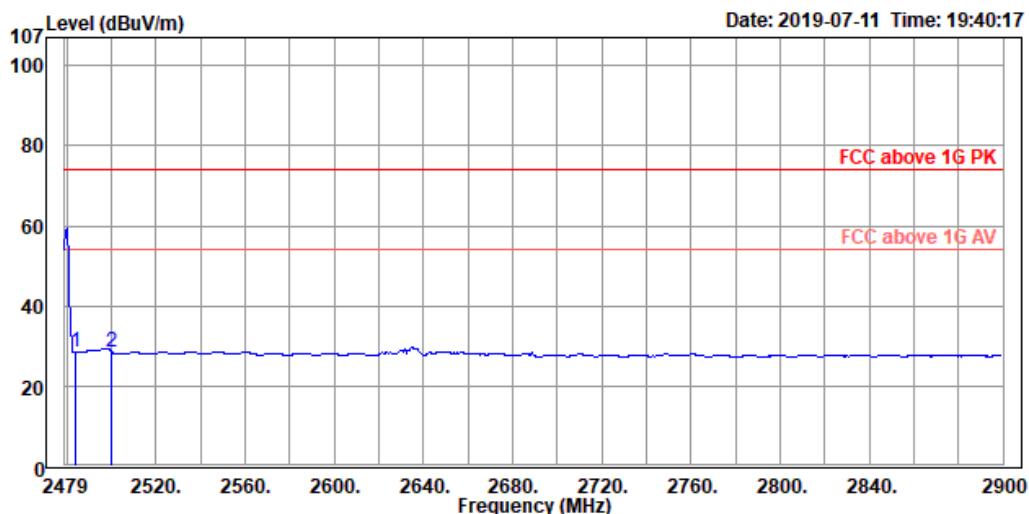
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Horizontal
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 20.6 °C / 57 %
Power Setting: 7
Mode : BLE TX 2480
Memo : X
: Left Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	28.58	36.69	-8.11	54.00	-25.42	118	197	Average	
2	2500.000	29.00	37.15	-8.15	54.00	-25.00	118	197	Average	



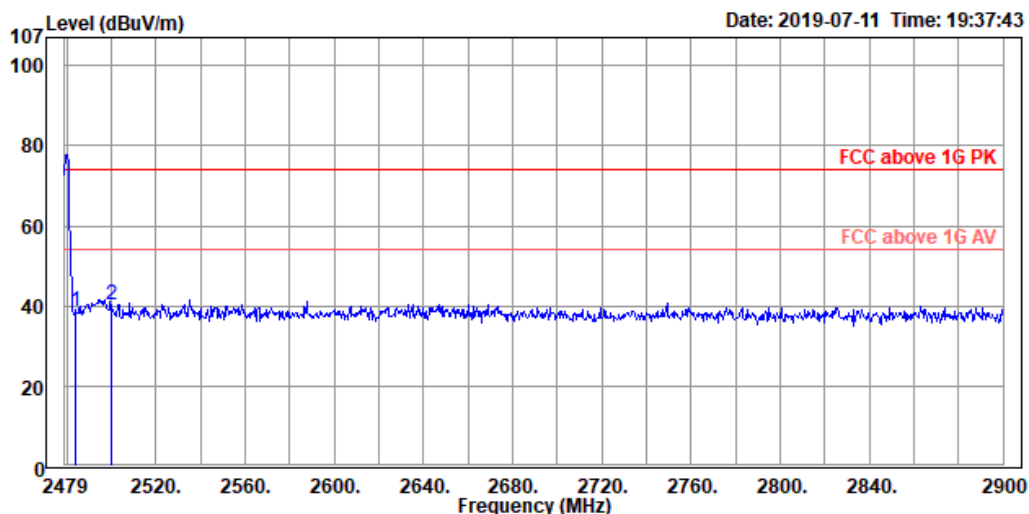
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Horizontal
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 20.6 °C / 57 %
Power Setting: 7
Mode : BLE TX 2480
Memo : X
: Left Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	39.05	47.16	-8.11	74.00	-34.95	118	197	Peak	
2	2500.000	41.33	49.48	-8.15	74.00	-32.67	118	197	Peak	



Site : 966A Chamber A
Condition : FCC above 1G PK 3m Vertical
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 20.6 °C / 57 %
Power Setting: 7
Mode : BLE TX 2480
Memo : X
: Left Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	28.47	36.58	-8.11	54.00	-25.53	100	68	Average	
2	2500.000	28.68	36.83	-8.15	54.00	-25.32	100	68	Average	



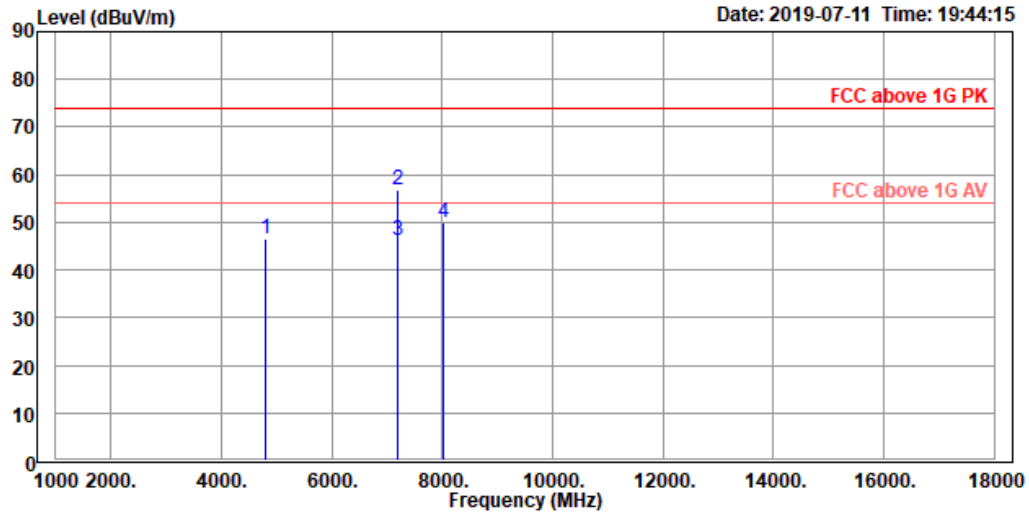
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Vertical
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 20.6 °C / 57 %
Power Setting: 7
Mode : BLE TX 2480
Memo : X
: Left Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	38.75	46.86	-8.11	74.00	-35.25	100	68	Peak	
2	2500.000	40.41	48.56	-8.15	74.00	-33.59	100	68	Peak	

Left Ear, Spurious Emissions, TX Mode, 1-18G

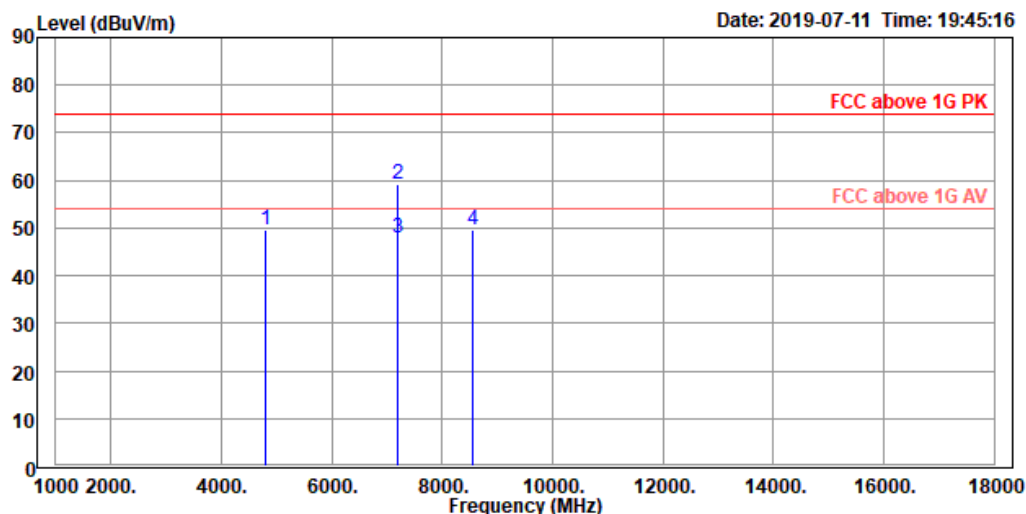


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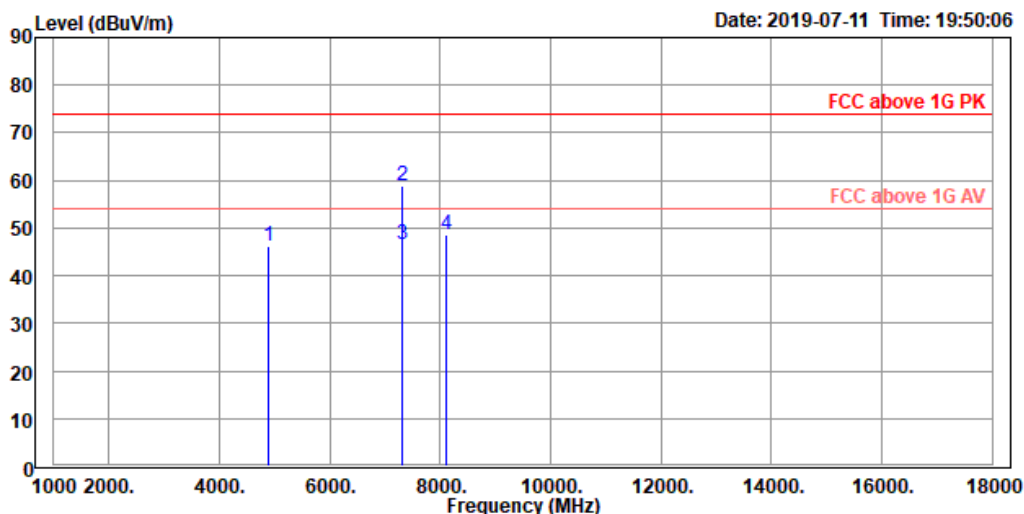
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 20.6 °C / 57 %
Power Setting: 7
Mode : BLE TX 2402
Memo : X
: Left Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	46.59	49.03	-2.44	74.00	-27.41	100	161	Peak	
2	7206.000	56.94	51.47	5.47	74.00	-17.06	100	196	Peak	
3	7206.000	46.11	40.64	5.47	54.00	-7.89	100	196	Average	
4	8021.000	49.92	43.84	6.08	74.00	-24.08	100	219	Peak	



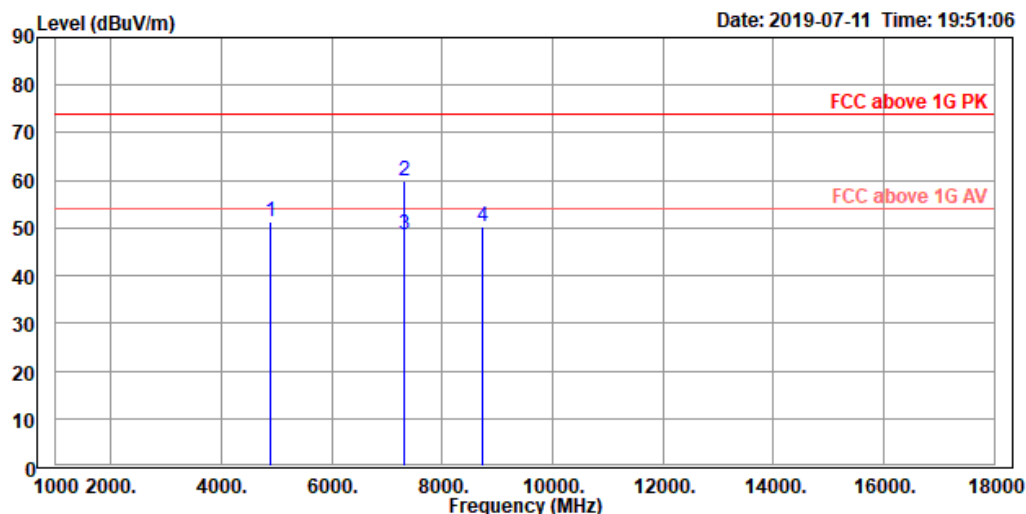
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 20.6 °C / 57 %
Power Setting: 7
Mode : BLE TX 2402
Memo : X
: Left Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	49.50	51.94	-2.44	74.00	-24.50	100	282	Peak	
2	7206.000	59.23	53.76	5.47	74.00	-14.77	100	178	Peak	
3	7206.000	48.04	42.57	5.47	54.00	-5.96	100	178	Average	
4	8548.000	49.65	42.93	6.72	74.00	-24.35	100	343	Peak	



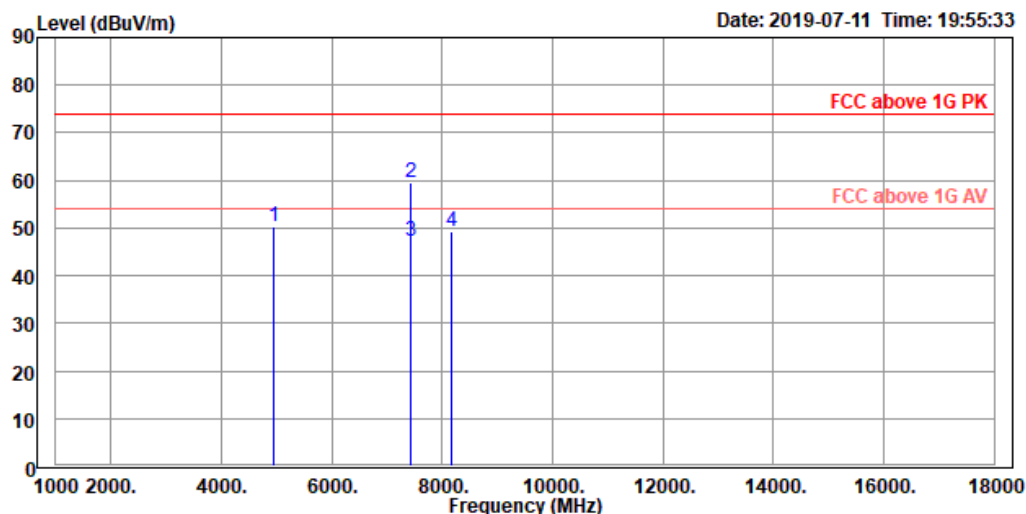
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 20.6 °C / 57 %
Power Setting: 7
Mode : BLE TX 2440
Memo : X
: Left Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4880.000	46.06	48.34	-2.28	74.00	-27.94	100	193	Peak	
2	7320.000	58.94	53.23	5.71	74.00	-15.06	100	164	Peak	
3	7320.000	46.41	40.70	5.71	54.00	-7.59	100	164	Average	
4	8123.000	48.72	42.57	6.15	74.00	-25.28	100	217	Peak	



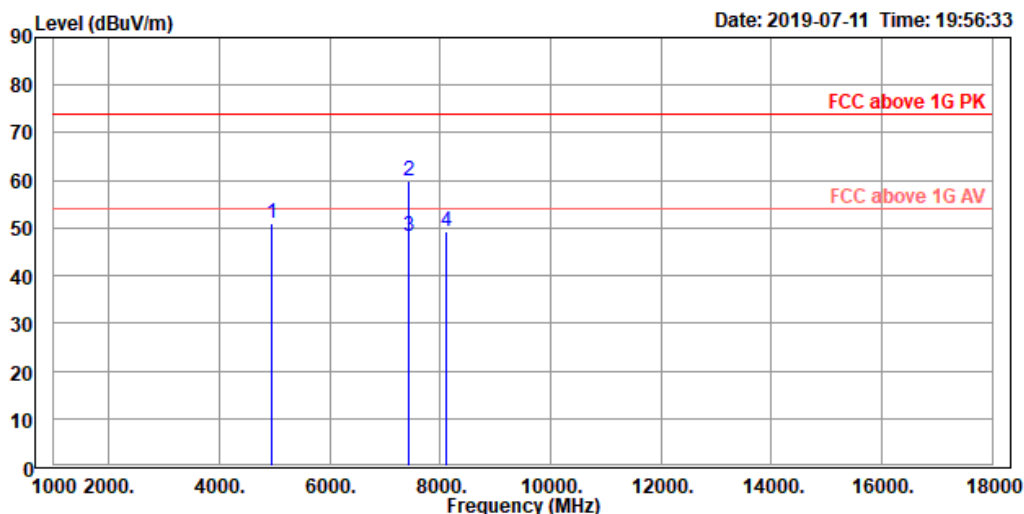
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 20.6 °C / 57 %
Power Setting: 7
Mode : BLE TX 2440
Memo : X
: Left Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4880.000	51.26	53.54	-2.28	74.00	-22.74	100	280	Peak	
2	7320.000	59.97	54.26	5.71	74.00	-14.03	100	148	Peak	
3	7320.000	48.49	42.78	5.71	54.00	-5.51	100	148	Average	
4	8718.000	50.21	43.49	6.72	74.00	-23.79	100	96	Peak	



Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 20.6 °C / 57 %
Power Setting: 7
Mode : BLE TX 2480
Memo : X
: Left Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	50.19	52.18	-1.99	74.00	-23.81	100	173	Peak	
2	7440.000	59.57	53.53	6.04	74.00	-14.43	100	156	Peak	
3	7440.000	47.17	41.13	6.04	54.00	-6.83	100	156	Average	
4	8174.000	49.34	43.11	6.23	74.00	-24.66	100	341	Peak	



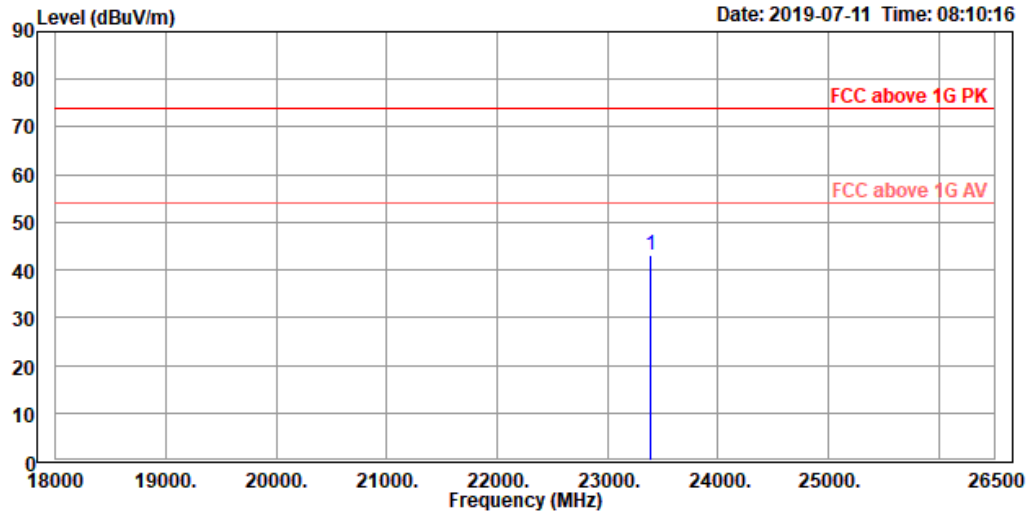
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 20.6 °C / 57 %
Power Setting: 7
Mode : BLE TX 2480
Memo : X
: Left Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	51.13	53.12	-1.99	74.00	-22.87	100	279	Peak	
2	7440.000	59.85	53.81	6.04	74.00	-14.15	100	331	Peak	
3	7440.000	48.22	42.18	6.04	54.00	-5.78	100	331	Average	
4	8106.000	49.36	43.24	6.12	74.00	-24.64	100	38	Peak	

Left Ear, Spurious Emissions, TX Mode, 18-26G

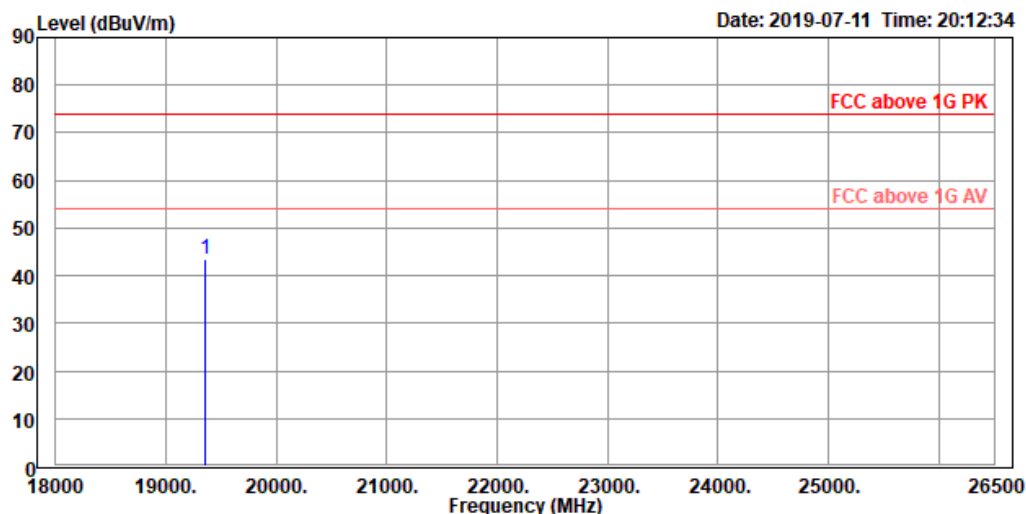


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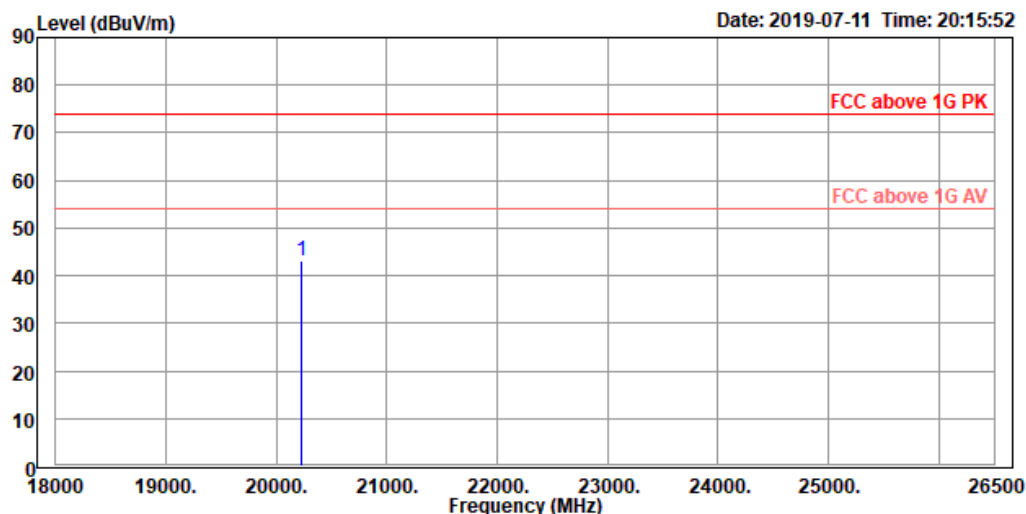
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Horizontal
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 20.6 °C / 57 %
Power Setting: 7
Mode : BLE TX 2402
Memo : X
: Left Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	23389.000	43.20	37.95	5.25	74.00	-30.80	100	360	Peak	



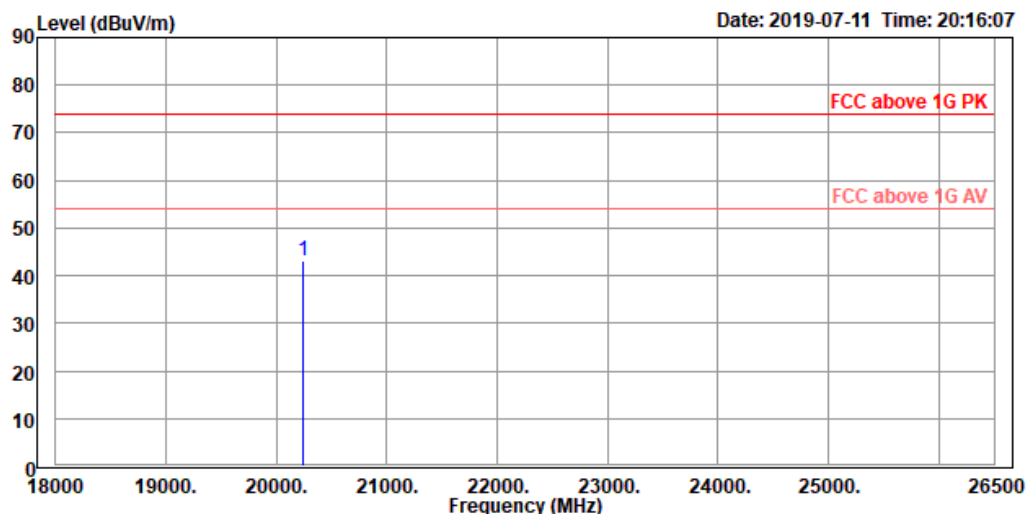
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Vertical
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 20.6 °C / 57 %
Power Setting: 7
Mode : BLE TX 2402
Memo : X
: Left Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	19351.500	43.45	39.54	3.91	74.00	-30.55	100	210	Peak	



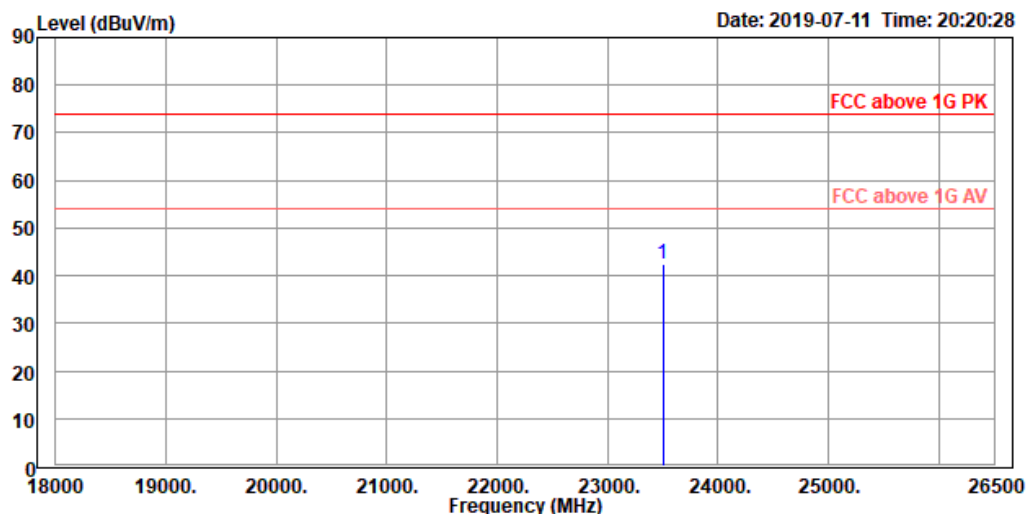
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Horizontal
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 20.6 °C / 57 %
Power Setting: 7
Mode : BLE TX 2440
Memo : X
: Left Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	20227.000	43.00	38.53	4.47	74.00	-31.00	100	66	Peak	



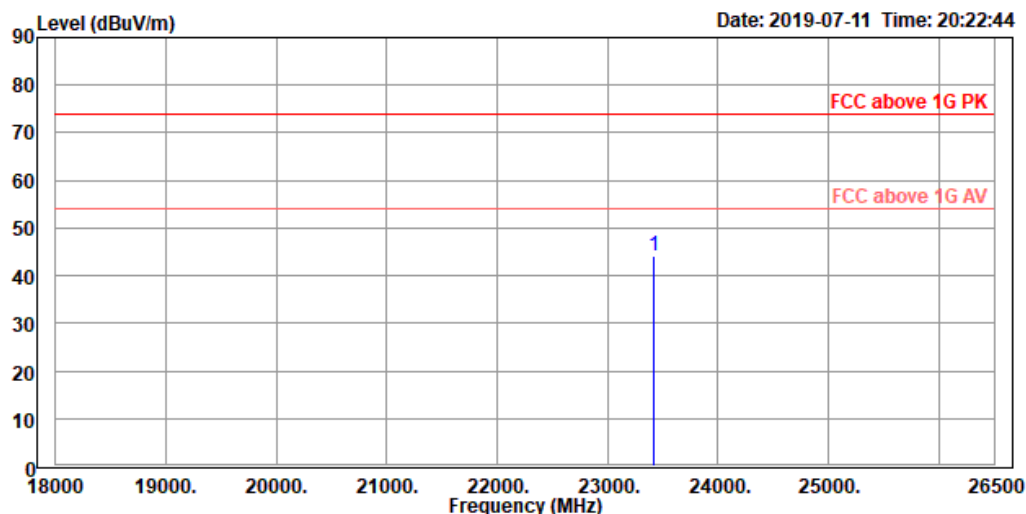
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Vertical
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 20.6 °C / 57 %
Power Setting: 7
Mode : BLE TX 2440
Memo : X
: Left Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	20244.000	42.95	38.44	4.51	74.00	-31.05	100	236	Peak	



Site : 966A Chamber A
Condition : FCC above 1G PK 3m Horizontal
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 20.6 °C / 57 %
Power Setting: 7
Mode : BLE TX 2480
Memo : X
: Left Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	23499.500	42.56	37.29	5.27	74.00	-31.44	100	110	Peak	



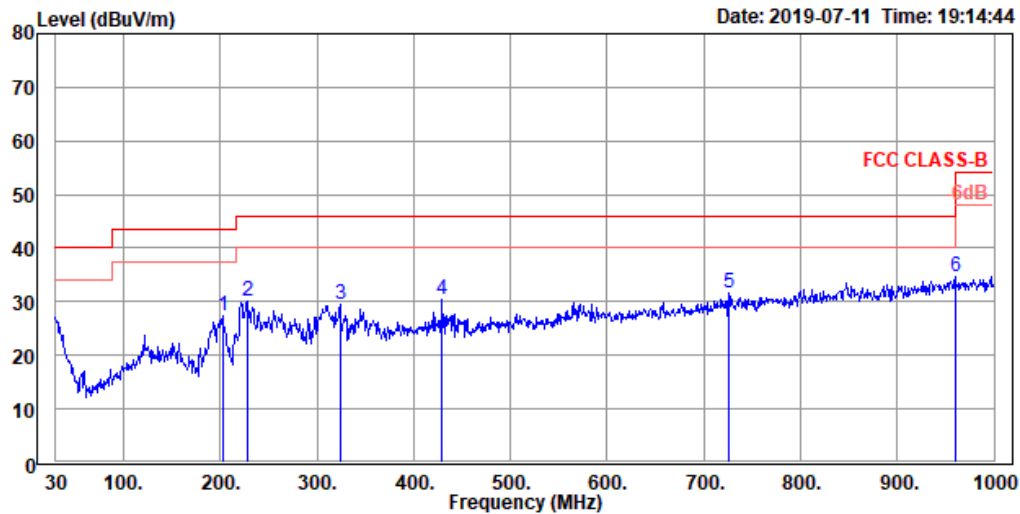
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Vertical
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 20.6 °C / 57 %
Power Setting: 7
Mode : BLE TX 2480
Memo : X
: Left Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	23414.500	44.15	38.89	5.26	74.00	-29.85	100	16	Peak	

Left Ear, Spurious Emissions, TX Mode, 30M-1G

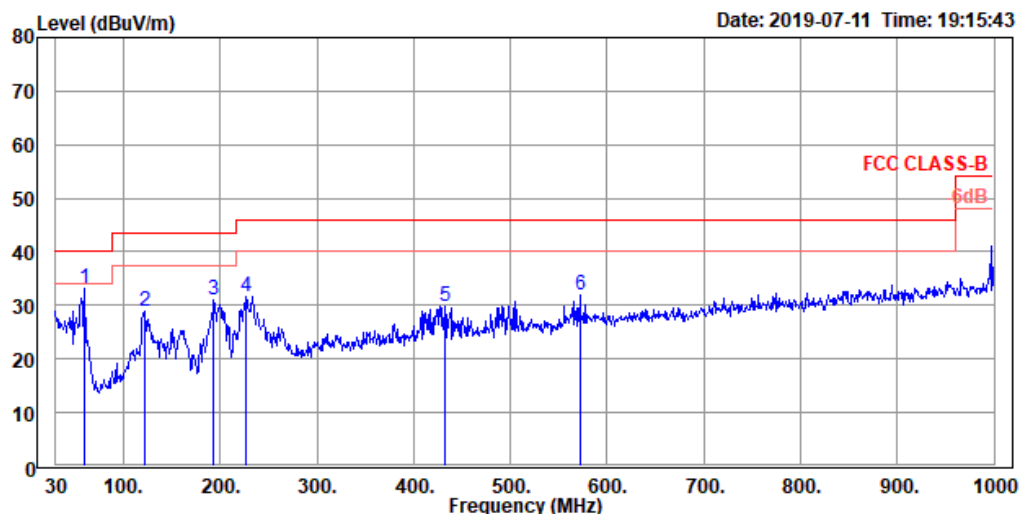


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Tel: +886-2172-7000 Fax: +886-2528-0018



Site : 966A Chamber A
Condition : FCC CLASS-B 3m horizontal
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 20.6 °C / 57 %
Power Setting: 7
Mode : BLE TX 2440
Memo : X
: Left Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	202.660	27.30	35.98	-8.68	43.50	-16.20	100	232	QP	
2	227.880	30.17	37.89	-7.72	46.00	-15.83	100	186	QP	
3	323.910	29.49	33.74	-4.25	46.00	-16.51	100	308	QP	
4	429.640	30.37	32.51	-2.14	46.00	-15.63	100	222	QP	
5	725.490	31.60	29.97	1.63	46.00	-14.40	100	65	QP	
6	960.230	34.81	29.10	5.71	54.00	-19.19	100	88	QP	



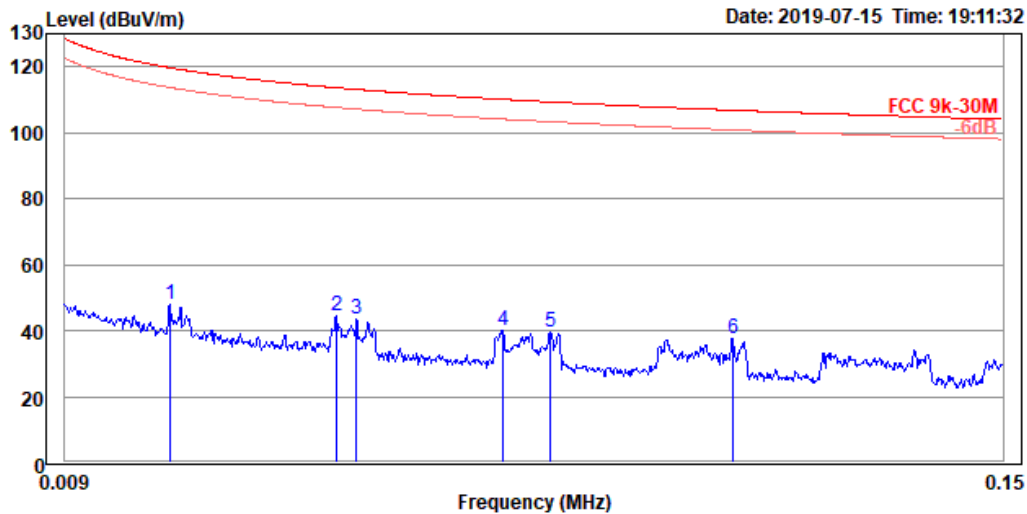
Site : 966A Chamber A
Condition : FCC CLASS-B 3m vertical
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 20.6 °C / 57 %
Power Setting: 7
Mode : BLE TX 2440
Memo : X
: Left Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	59.100	33.09	46.73	-13.64	40.00	-6.91	100	156	QP	
2	121.180	29.00	36.29	-7.29	43.50	-14.50	100	360	QP	
3	192.960	31.07	40.33	-9.26	43.50	-12.43	100	112	QP	
4	226.910	31.68	39.46	-7.78	46.00	-14.32	100	4	QP	
5	431.580	29.93	32.07	-2.14	46.00	-16.07	100	195	QP	
6	572.230	32.07	32.09	-0.02	46.00	-13.93	100	143	QP	

Left Ear, Spurious Emissions, TX Mode, 9k-30M

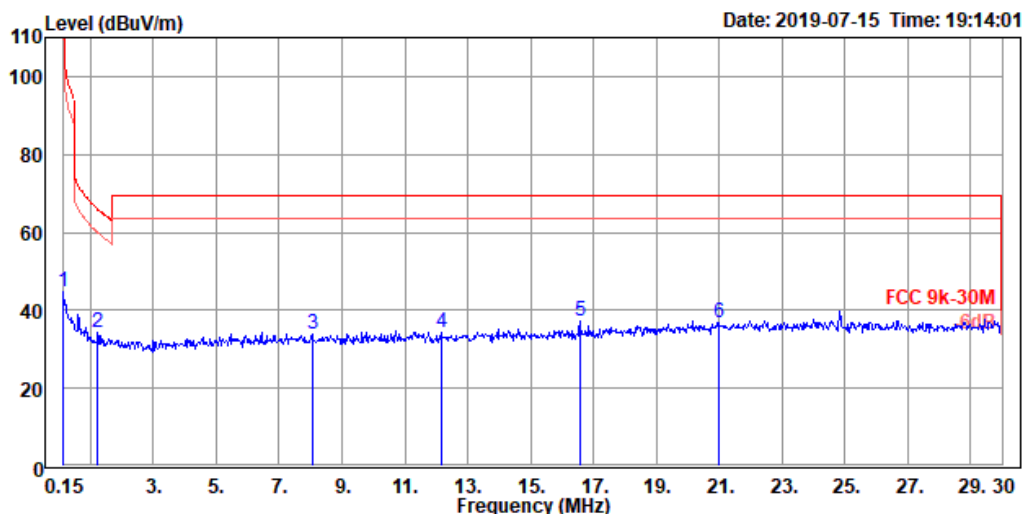


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Site : 966A Chamber A
Condition : FCC 9k-30M 3m Horizontal
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 21.6 °C / 53 %
Power Setting: 7
Mode : BLE TX 2440
Memo : X
: Left Ear

	Freq	Level	Read Level	Factor	Limit	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.025	47.80	28.63	19.17	119.70	-71.90	100	18	QP	
2	0.050	44.48	25.49	18.99	113.66	-69.18	100	189	QP	
3	0.053	43.42	24.47	18.95	113.13	-69.71	100	212	QP	
4	0.075	39.97	21.28	18.69	110.11	-70.14	100	78	QP	
5	0.082	39.68	21.07	18.61	109.32	-69.64	100	360	QP	
6	0.109	37.72	19.32	18.40	106.82	-69.10	100	333	QP	



Site : 966A Chamber A
Condition : FCC 9k-30M 3m Horizontal
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 21.6 °C / 53 %
Power Setting: 7
Mode : BLE TX 2440
Memo : X
: Left Ear

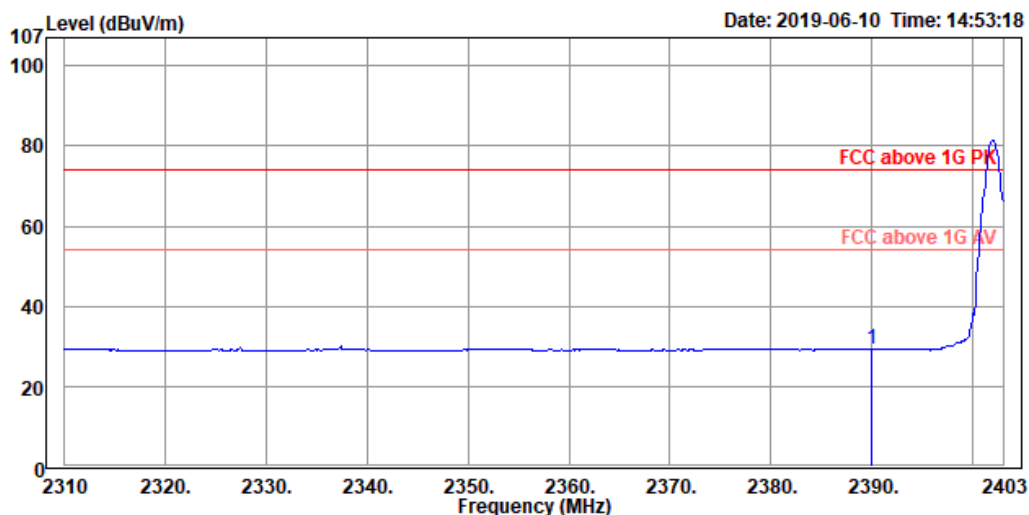
	Freq	Level	Read Level	Factor	Limit	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.150	44.90	26.47	18.43	104.08	-59.18	100	66	QP	
2	1.225	34.21	15.46	18.75	65.87	-31.66	100	328	QP	
3	8.060	33.77	13.64	20.13	69.50	-35.73	100	224	QP	
4	12.150	34.24	13.48	20.76	69.50	-35.26	100	98	QP	
5	16.568	37.06	15.77	21.29	69.50	-32.44	100	150	QP	
6	21.015	36.63	14.89	21.74	69.50	-32.87	100	2	QP	

Right Ear, Spurious Emissions, Band Edges, 2.35-2.5G

Radiated Bandedge (GFSK), Low Channel

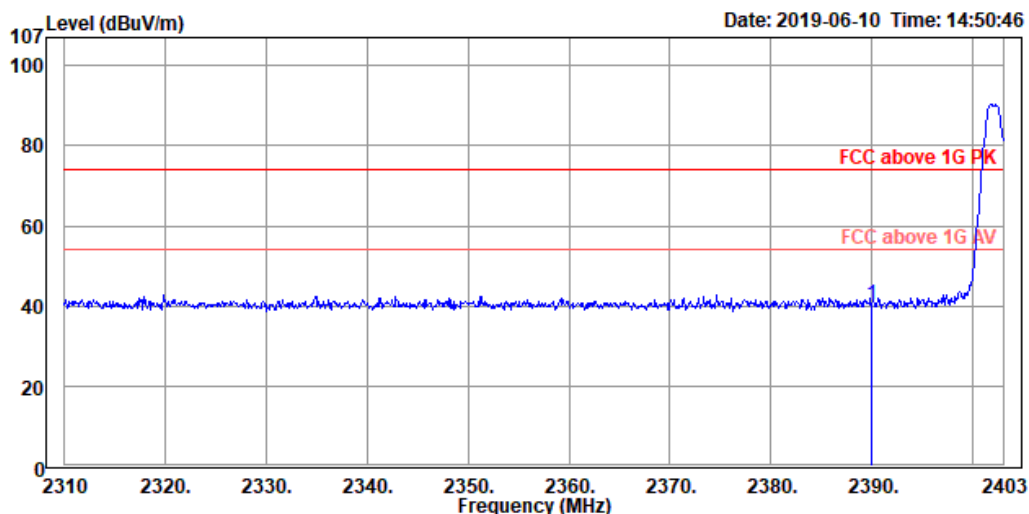


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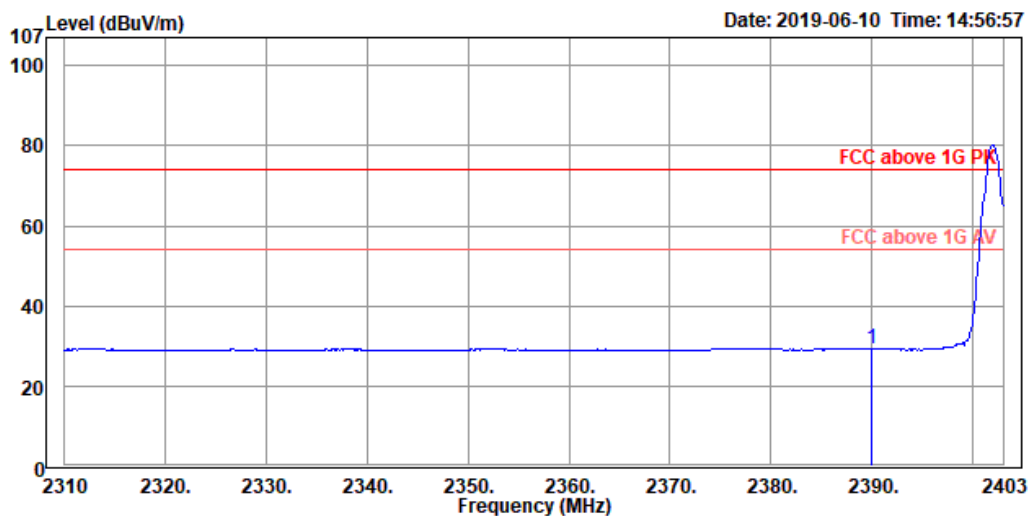
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Horizontal
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 21 °C / 59 %
Power Setting: default
Mode : BLE TX 2402
Memo : X
: Right Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.000	29.28	37.38	-8.10	54.00	-24.72	100	317	Average	



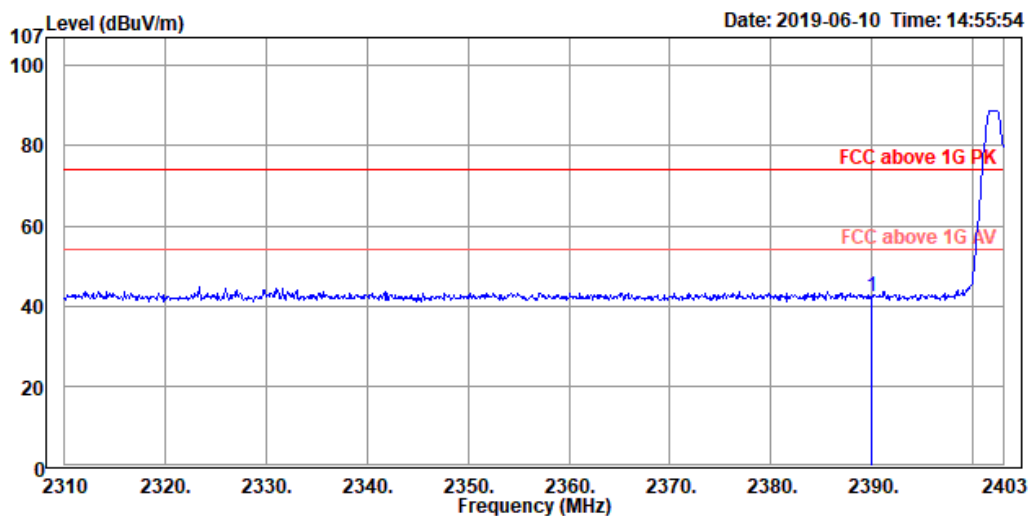
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Horizontal
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 21 °C / 59 %
Power Setting: default
Mode : BLE TX 2402
Memo : X
: Right Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.000	40.47	48.57	-8.10	74.00	-33.53	100	317	Peak	



Site : 966A Chamber A
Condition : FCC above 1G PK 3m Vertical
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 21 °C / 59 %
Power Setting: default
Mode : BLE TX 2402
Memo : X
: Right Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.000	29.22	37.32	-8.10	54.00	-24.78	156	94	Average	

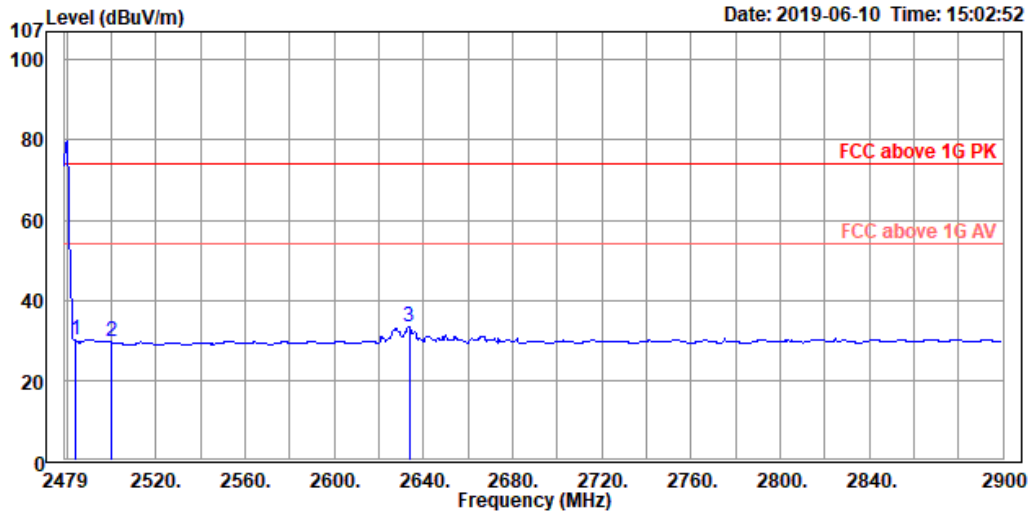


Site : 966A Chamber A
Condition : FCC above 1G PK 3m Vertical
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 21 °C / 59 %
Power Setting: default
Mode : BLE TX 2402
Memo : X
: Right Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2390.000	42.17	50.27	-8.10	74.00	-31.83	156	94	Peak	

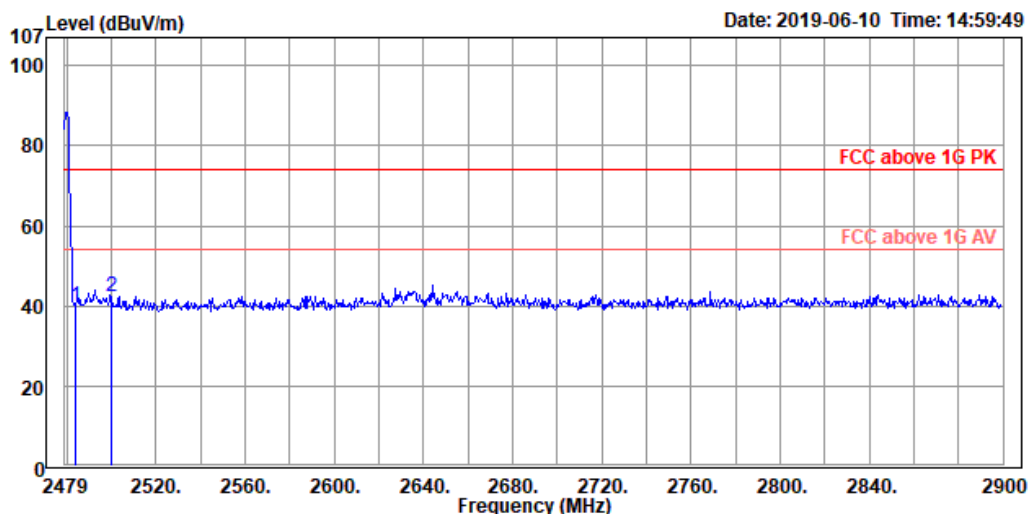


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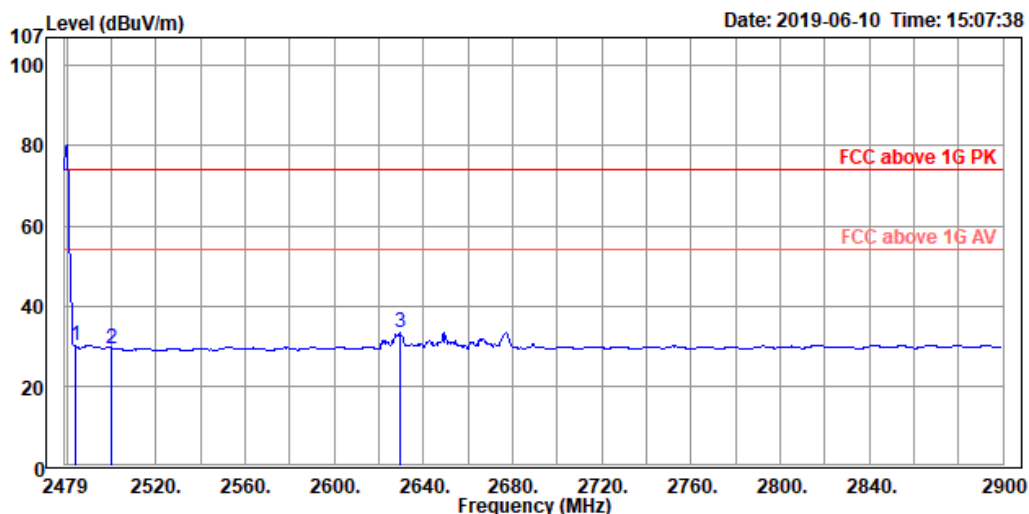
Site : 966A Chamber A
 Condition : FCC above 1G PK 3m Horizontal
 Test Engineer: Curry Chen
 Product : Bluetooth True Wireless Earbud
 Model No. : VS-3xxx
 Test Rating : DC4V
 Tmp/Hum : 21 °C / 59 %
 Power Setting: default
 Mode : BLE TX 2480
 Memo : X
 : Right Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	29.96	38.05	-8.09	54.00	-24.04	100	323	Average	
2	2500.000	29.57	37.66	-8.09	54.00	-24.43	100	323	Average	
3	2633.507	33.32	41.19	-7.87	54.00	-20.68	100	323	Average	



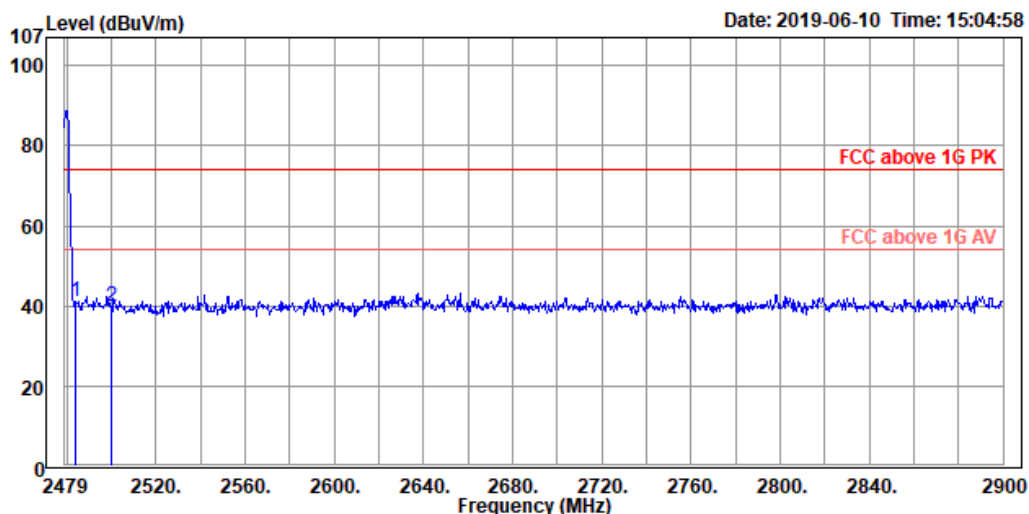
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Horizontal
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 21 °C / 59 %
Power Setting: default
Mode : BLE TX 2480
Memo : X
: Right Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	39.87	47.96	-8.09	74.00	-34.13	100	323	Peak	
2	2500.000	42.13	50.22	-8.09	74.00	-31.87	100	323	Peak	



Site : 966A Chamber A
Condition : FCC above 1G PK 3m Vertical
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 21 °C / 59 %
Power Setting: default
Mode : BLE TX 2480
Memo : X
: Right Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	29.95	38.04	-8.09	54.00	-24.05	165	67	Average	
2	2500.000	29.42	37.51	-8.09	54.00	-24.58	165	67	Average	
3	2629.297	33.41	41.28	-7.87	54.00	-20.59	165	67	Average	



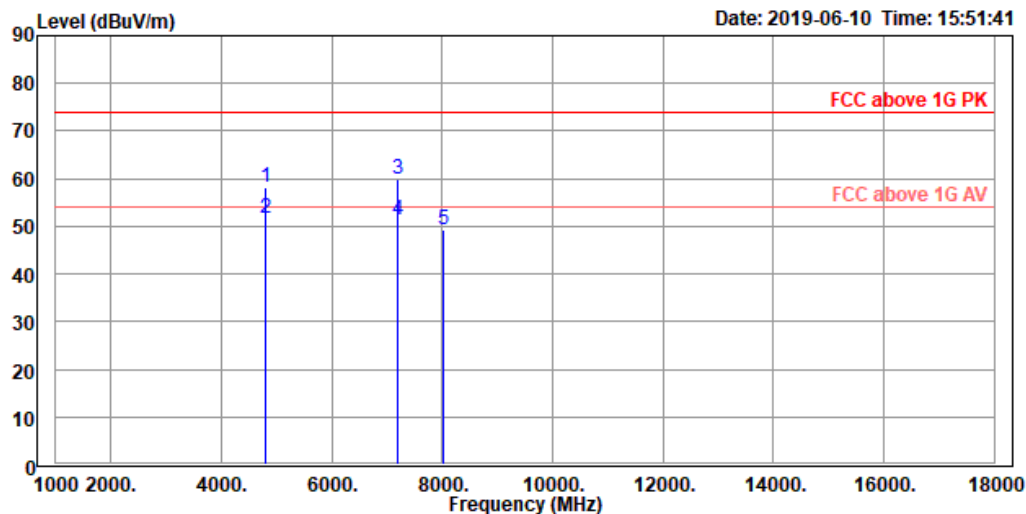
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Vertical
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 21 °C / 59 %
Power Setting: default
Mode : BLE TX 2480
Memo : X
: Right Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	2483.500	41.00	49.09	-8.09	74.00	-33.00	165	67	Peak	
2	2500.000	39.71	47.80	-8.09	74.00	-34.29	165	67	Peak	

Right Ear, Spurious Emissions, TX Mode, 1-18G

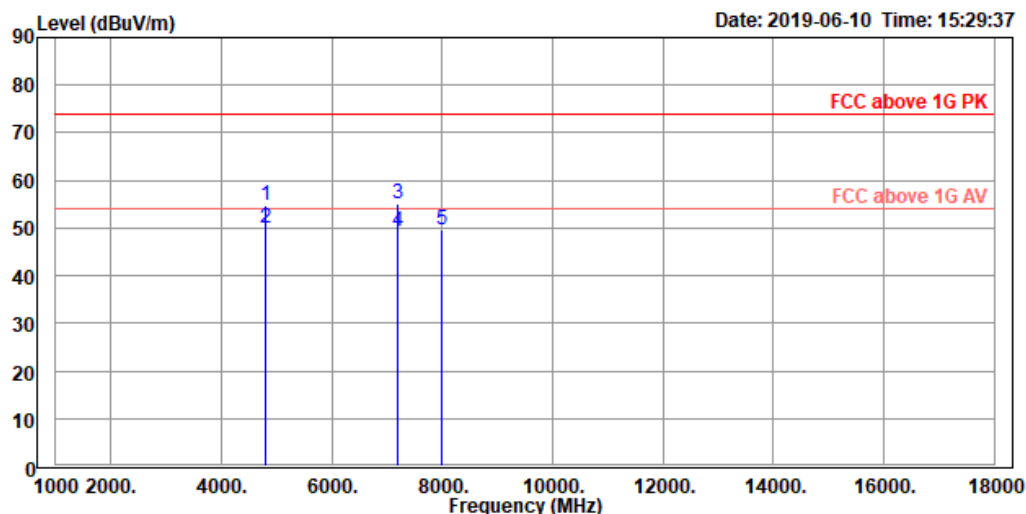


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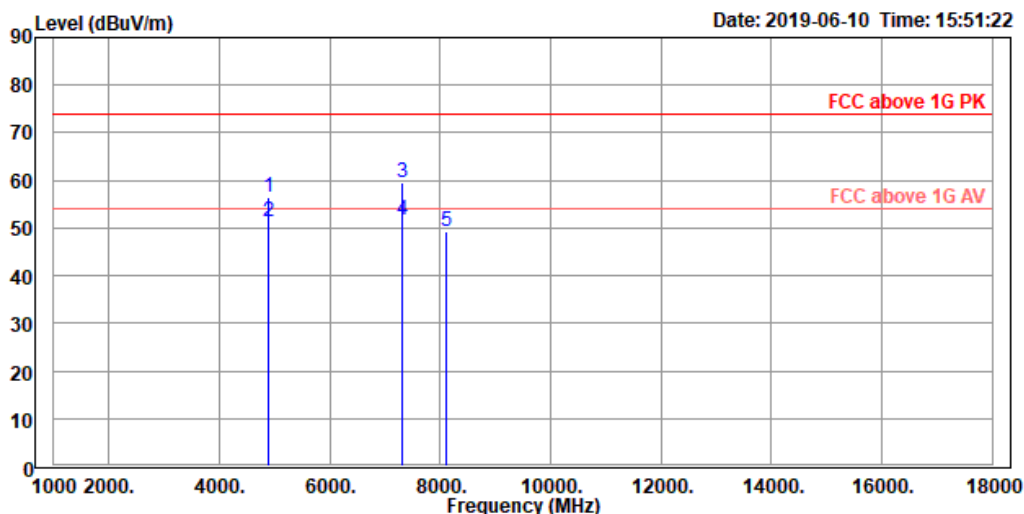
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 21 °C / 59 %
Power Setting: default
Mode : BLE TX 2402
Memo : X
: Right Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	58.34	60.98	-2.64	74.00	-15.66	150	188	Peak	
2	4804.000	51.77	54.41	-2.64	54.00	-2.23	150	188	Average	
3	7206.000	59.77	54.51	5.26	74.00	-14.23	141	74	Peak	
4	7206.000	51.28	46.02	5.26	54.00	-2.72	141	74	Average	
5	8021.000	49.33	43.58	5.75	74.00	-24.67	100	81	Peak	



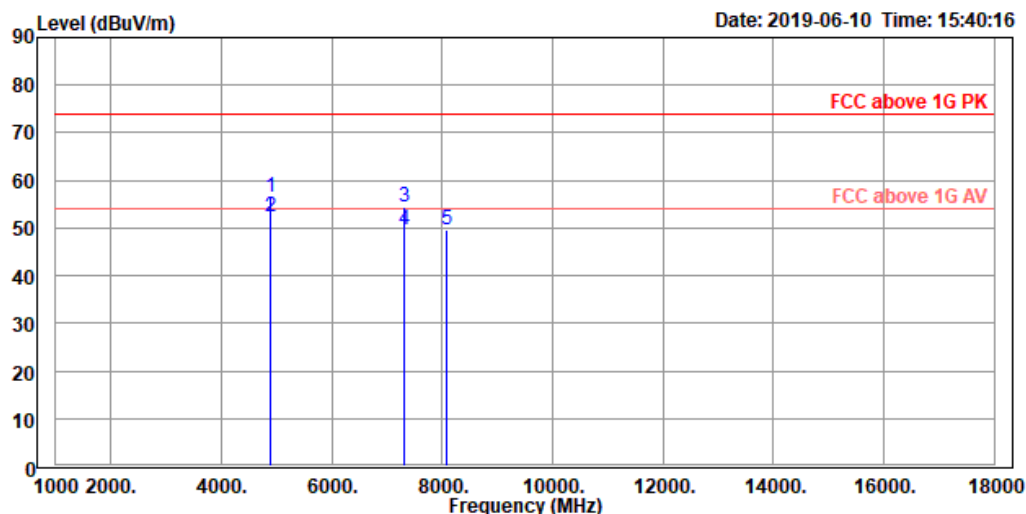
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 21 °C / 59 %
Power Setting: default
Mode : BLE TX 2402
Memo : X
: Right Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4804.000	54.68	57.32	-2.64	74.00	-19.32	100		0 Peak	
2	4804.000	49.92	52.56	-2.64	54.00	-4.08	100		0 Average	
3	7206.000	54.94	49.68	5.26	74.00	-19.06	100		162 Peak	
4	7206.000	49.34	44.08	5.26	54.00	-4.66	100		162 Average	
5	7987.000	49.73	44.00	5.73	74.00	-24.27	100		113 Peak	



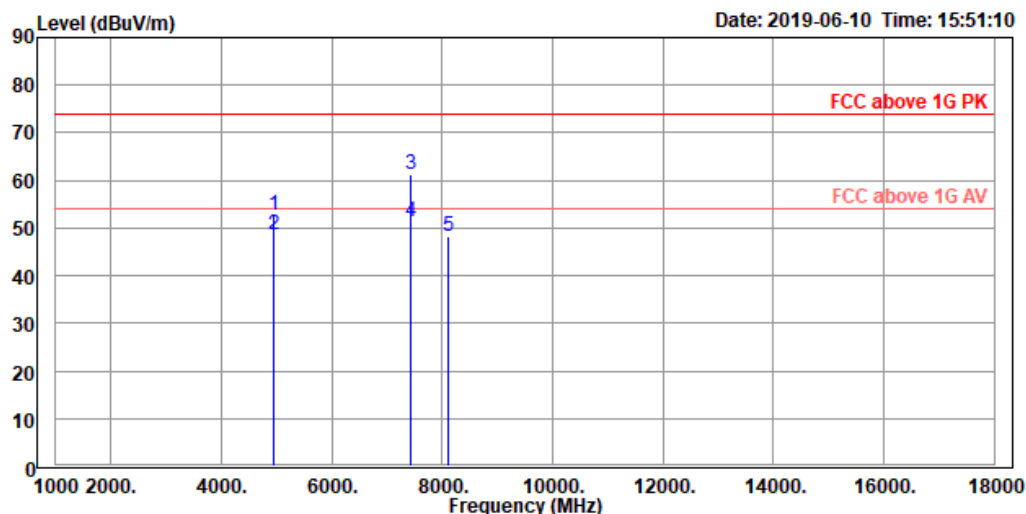
Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 21 °C / 59 %
Power Setting: default
Mode : BLE TX 2440
Memo : X
: Right Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4880.000	56.39	58.84	-2.45	74.00	-17.61	164	188	Peak	
2	4880.000	51.37	53.82	-2.45	54.00	-2.63	164	188	Average	
3	7320.000	59.51	53.97	5.54	74.00	-14.49	150	253	Peak	
4	7320.000	51.70	46.16	5.54	54.00	-2.30	150	253	Average	
5	8123.000	49.15	43.22	5.93	74.00	-24.85	100	260	Peak	



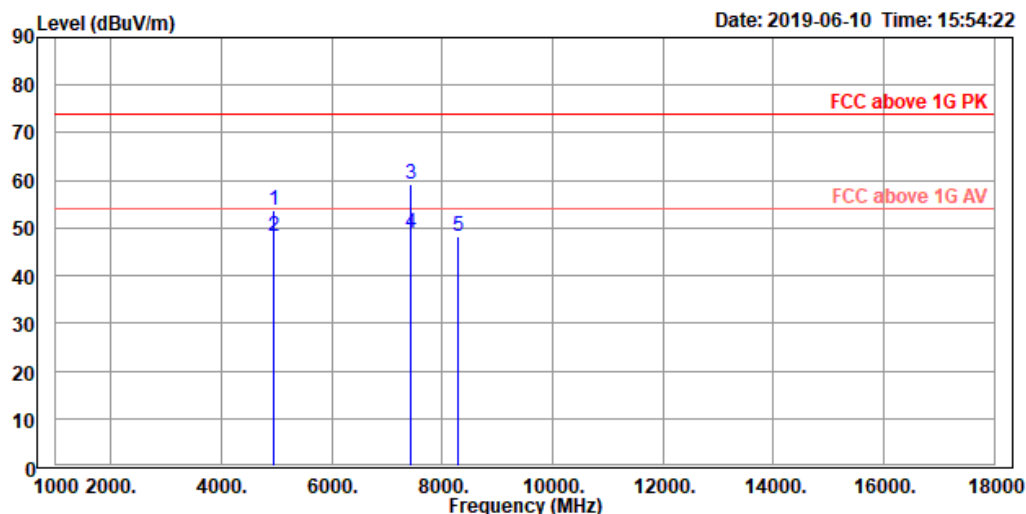
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 21 °C / 59 %
Power Setting: default
Mode : BLE TX 2440
Memo : X
: Right Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4880.000	56.48	58.93	-2.45	74.00	-17.52	100	302	Peak	
2	4880.000	52.36	54.81	-2.45	54.00	-1.64	100	302	Average	
3	7320.000	54.31	48.77	5.54	74.00	-19.69	100	152	Peak	
4	7320.000	49.62	44.08	5.54	54.00	-4.38	100	152	Average	
5	8072.000	49.51	43.67	5.84	74.00	-24.49	100	189	Peak	



Site : 966A Chamber A
Condition : FCC above 1G PK 3m horizontal
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 21 °C / 59 %
Power Setting: default
Mode : BLE TX 2480
Memo : X
: Right Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	52.75	55.00	-2.25	74.00	-21.25	173	152	Peak	
2	4960.000	48.60	50.85	-2.25	54.00	-5.40	173	152	Average	
3	7440.000	61.16	55.33	5.83	74.00	-12.84	146	233	Peak	
4	7440.000	51.41	45.58	5.83	54.00	-2.59	146	233	Average	
5	8123.000	48.38	42.45	5.93	74.00	-25.62	100	314	Peak	



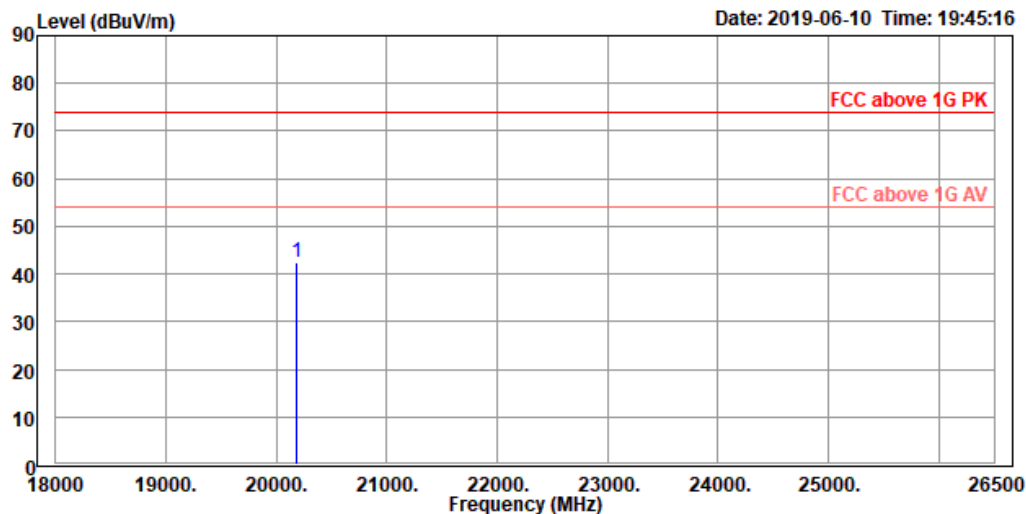
Site : 966A Chamber A
Condition : FCC above 1G PK 3m vertical
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 21 °C / 59 %
Power Setting: default
Mode : BLE TX 2480
Memo : X
: Right Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	4960.000	53.77	56.02	-2.25	74.00	-20.23	100	309	Peak	
2	4960.000	48.36	50.61	-2.25	54.00	-5.64	100	309	Average	
3	7440.000	59.14	53.31	5.83	74.00	-14.86	100	153	Peak	
4	7440.000	48.80	42.97	5.83	54.00	-5.20	100	153	Average	
5	8276.000	48.23	42.02	6.21	74.00	-25.77	100	283	Peak	

Right Ear, Spurious Emissions, TX Mode, 18-26G

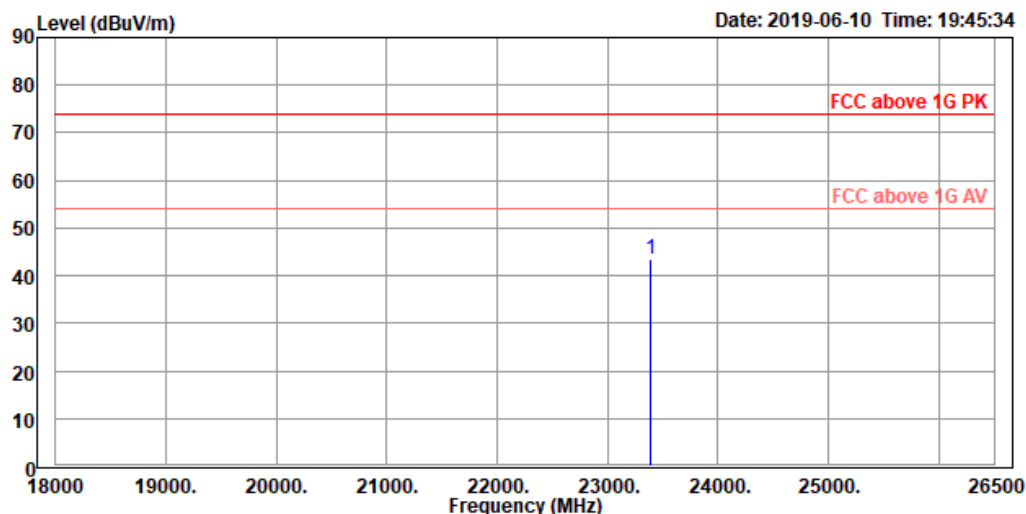


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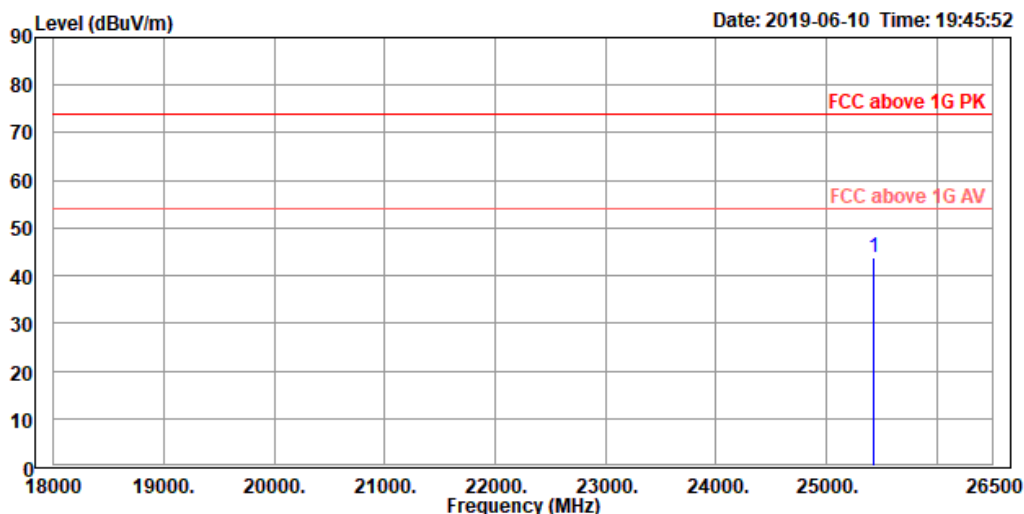
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Horizontal
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 21 °C / 59 %
Power Setting: default
Mode : BLE TX 2402
Memo : X
 : Right Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	20184.500	42.51	38.15	4.36	74.00	-31.49	100	120	Peak	



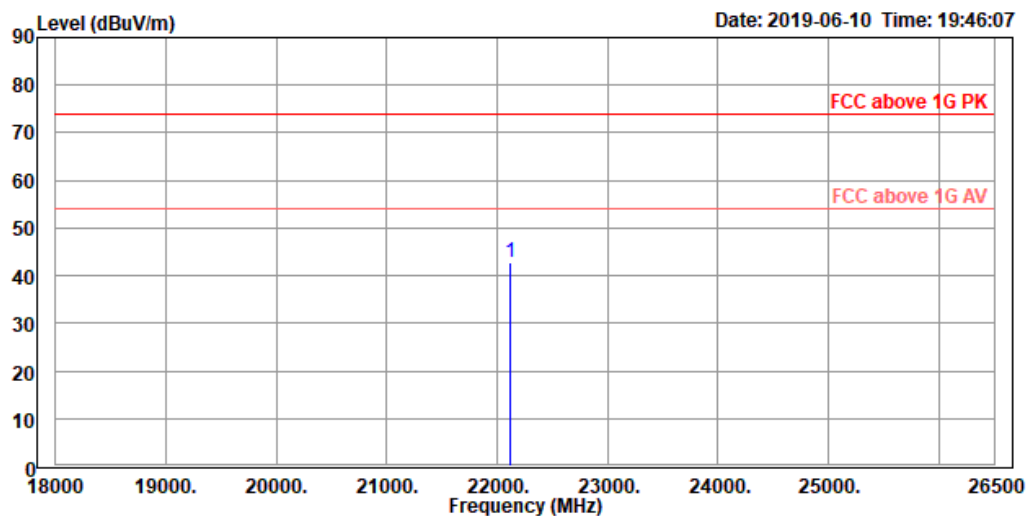
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Vertical
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 21 °C / 59 %
Power Setting: default
Mode : BLE TX 2402
Memo : X
: Right Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	23389.000	43.52	38.27	5.25	74.00	-30.48	100	30	Peak	



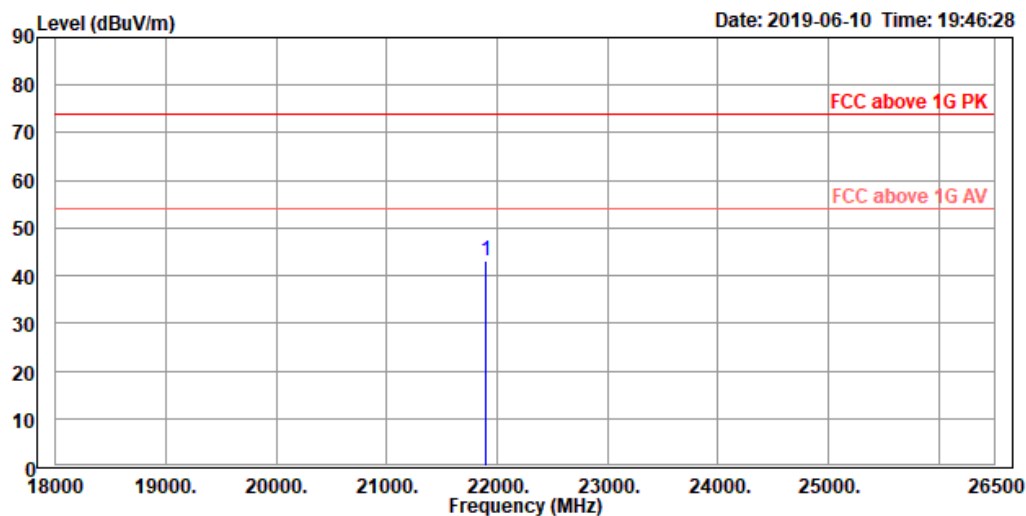
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Horizontal
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 21 °C / 59 %
Power Setting: default
Mode : BLE TX 2440
Memo : X
: Right Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	25429.000	43.67	38.48	5.19	74.00	-30.33	100	352	Peak	



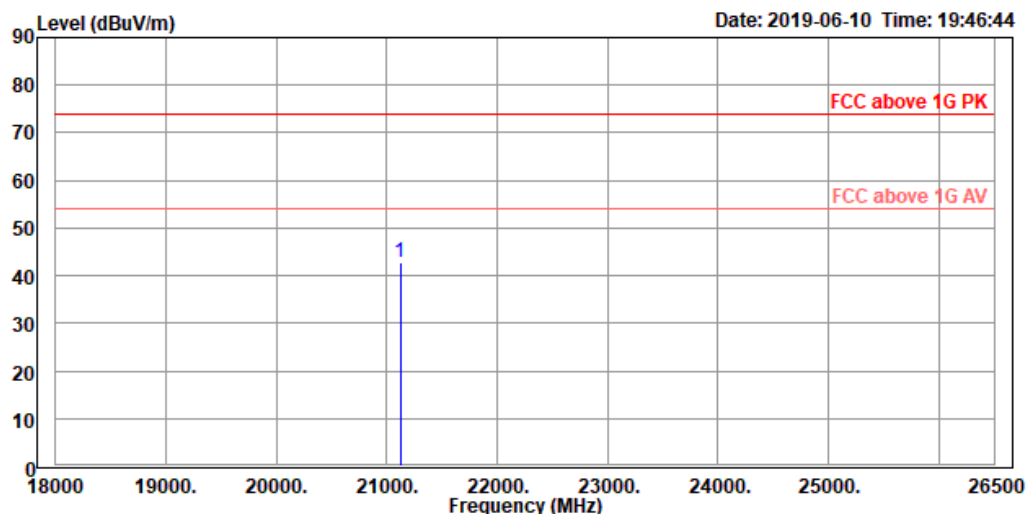
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Vertical
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 21 °C / 59 %
Power Setting: default
Mode : BLE TX 2440
Memo : X
: Right Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	22114.000	42.88	38.33	4.55	74.00	-31.12	100	10	Peak	



Site : 966A Chamber A
Condition : FCC above 1G PK 3m Horizontal
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 21 °C / 59 %
Power Setting: default
Mode : BLE TX 2480
Memo : X
: Right Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	21901.500	43.18	38.84	4.34	74.00	-30.82	100	100	Peak	



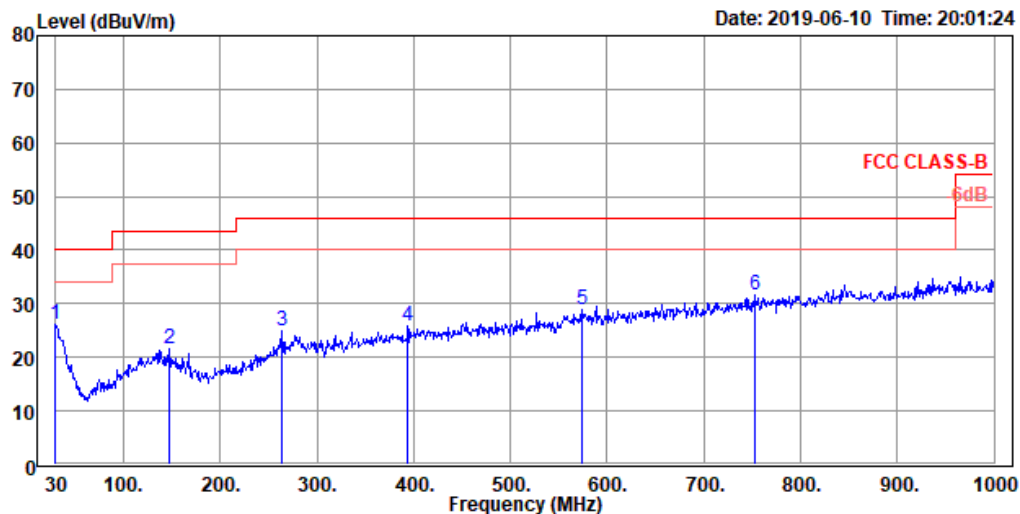
Site : 966A Chamber A
Condition : FCC above 1G PK 3m Vertical
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 21 °C / 59 %
Power Setting: default
Mode : BLE TX 2480
Memo : X
: Right Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	21119.500	42.87	38.40	4.47	74.00	-31.13	100	345	Peak	

Right Ear, Spurious Emissions, TX Mode, 30M-1G

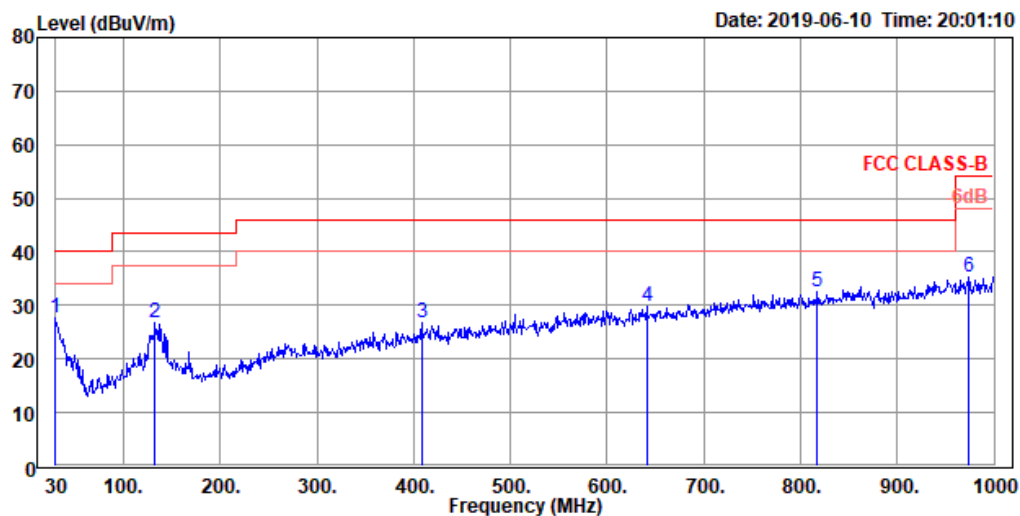


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Site : 966A Chamber A
Condition : FCC CLASS-B 3m horizontal
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 21 °C / 59 %
Power Setting: default
Mode : BLE TX 2440
Memo : X
: Right Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	30.000	26.21	26.24	-0.03	40.00	-13.79	100	36	QP	
2	147.370	21.50	28.68	-7.18	43.50	-22.00	100	36	QP	
3	263.770	24.99	30.05	-5.06	46.00	-21.01	100	292	QP	
4	393.750	26.00	28.61	-2.61	46.00	-20.00	100	285	QP	
5	574.170	28.98	28.84	0.14	46.00	-17.02	100	39	QP	
6	752.650	31.58	29.14	2.44	46.00	-14.42	100	279	QP	



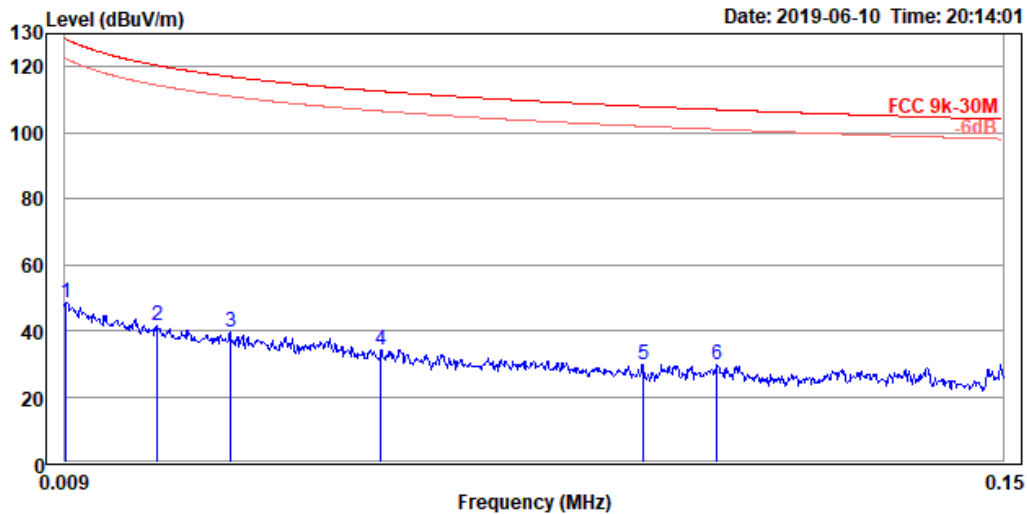
Site : 966A Chamber A
Condition : FCC CLASS-B 3m vertical
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 21 °C / 59 %
Power Setting: default
Mode : BLE TX 2440
Memo : X
: Right Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	30.000	27.60	27.63	-0.03	40.00	-12.40	100	144	QP	
2	132.820	26.84	33.81	-6.97	43.50	-16.66	100	0	QP	
3	408.300	26.79	28.86	-2.07	46.00	-19.21	100	231	QP	
4	641.100	29.76	28.99	0.77	46.00	-16.24	100	171	QP	
5	817.640	32.63	29.26	3.37	46.00	-13.37	100	0	QP	
6	973.810	35.23	29.34	5.89	54.00	-18.77	100	271	QP	

Right Ear, Spurious Emissions, TX Mode, 9k-30M

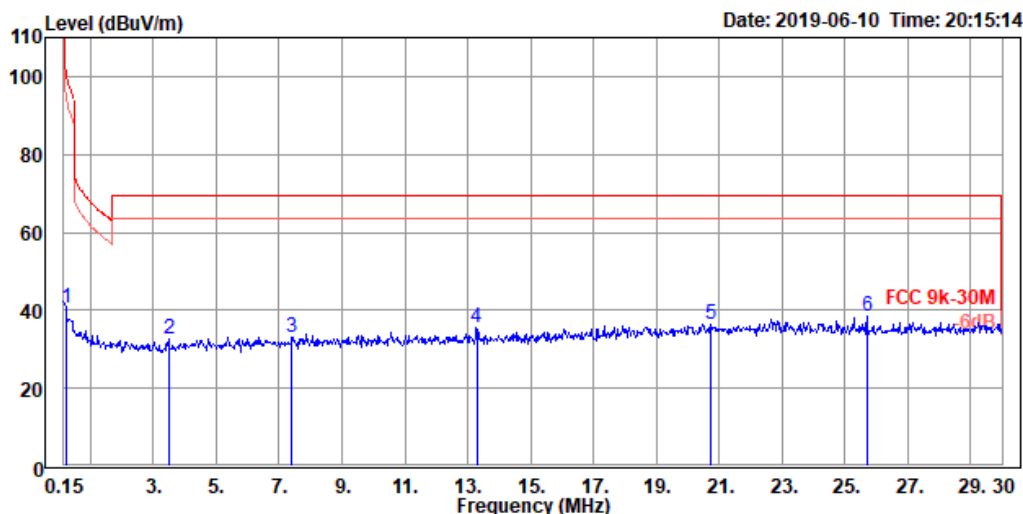


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Site : 966A Chamber A
Condition : FCC 9k-30M 3m Horizontal
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 21 °C / 59 %
Power Setting: default
Mode : BLE TX 2440
Memo : X
: Right Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.009	48.33	29.98	18.35	128.37	-80.04	100	131	QP	
2	0.023	41.62	22.59	19.03	120.42	-78.80	100	111	QP	
3	0.034	39.46	20.22	19.24	117.01	-77.55	100	350	QP	
4	0.057	34.13	15.29	18.84	112.55	-78.42	100	66	QP	
5	0.096	29.57	11.19	18.38	107.96	-78.39	100	39	QP	
6	0.107	29.79	11.46	18.33	107.01	-77.22	100	189	QP	



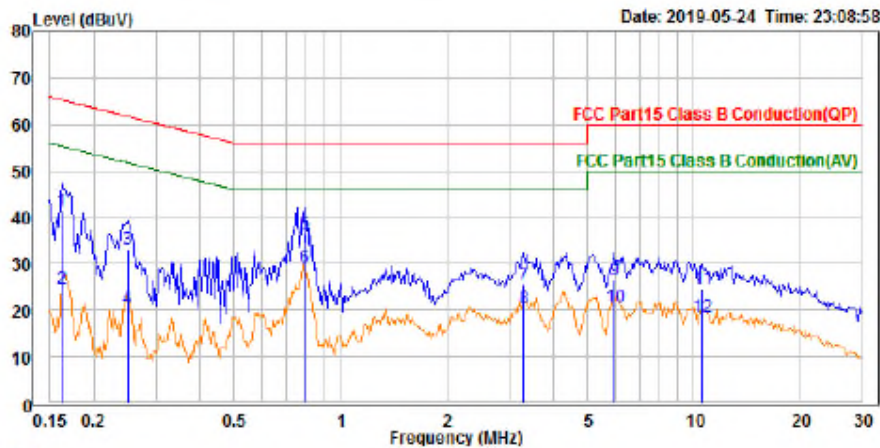
Site : 966A Chamber A
Condition : FCC 9k-30M 3m Horizontal
Test Engineer: Curry Chen
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : DC4V
Tmp/Hum : 21 °C / 59 %
Power Setting: default
Mode : BLE TX 2440
Memo : X
: Right Ear

	Freq	Level	Read Level	Factor	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV/m	dBuV	dB/m	dBuV/m	dB	cm	deg		
1	0.210	40.72	22.33	18.39	101.17	-60.45	100	3	QP	
2	3.493	32.52	13.76	18.76	69.50	-36.98	100	275	QP	
3	7.404	33.12	13.19	19.93	69.50	-36.38	100	219	QP	
4	13.284	35.44	14.62	20.82	69.50	-34.06	100	98	QP	
5	20.747	36.45	14.82	21.63	69.50	-33.05	100	321	QP	
6	25.702	38.56	16.75	21.81	69.50	-30.94	100	66	QP	

Mains



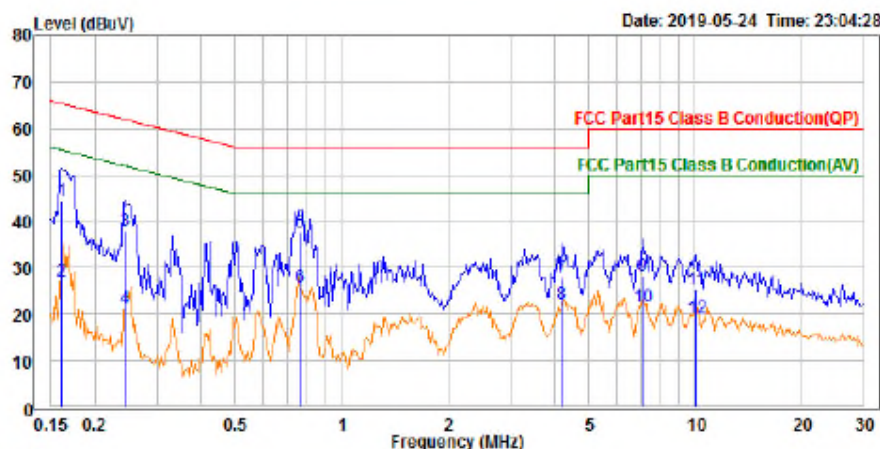
TÜV Rheinland Taiwan Ltd.
11F., No.758, Sec.4 Bade Road, Songshan Dist, Taipei City 105
Tel:+886-2172-7000 Fax:+886-2528-0018



Trace: 1

Site : Conduction room
Condition : FCC Part15 Class B Conduction(QP) neutral
Test Engineer: Kai Wang
Applicant : Vencer
Product : Bluetooth True Wireless Earbud
Model No. : VS-3xxx
Test Rating : 120Vac/60Hz
Tmp/Hum : 22.3°C/42%
Memo : (a) Charge Mode

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	
1	0.162	31.76	9.68	41.44	65.34	-23.90	QP
2	0.162	15.02	9.68	24.70	55.34	-30.64	Average
3	0.249	23.62	9.68	33.30	61.79	-28.49	QP
4	0.249	10.83	9.68	20.51	51.79	-31.28	Average
5	0.789	26.86	9.70	36.56	56.00	-19.44	QP
6	0.789	19.64	9.70	29.34	46.00	-16.66	Average
7	3.302	15.95	9.74	25.69	56.00	-30.31	QP
8	3.302	10.53	9.74	20.27	46.00	-25.73	Average
9	5.935	16.68	9.79	26.47	60.00	-33.53	QP
10	5.935	10.98	9.79	20.77	50.00	-29.23	Average
11	10.564	14.69	9.84	24.53	60.00	-35.47	QP
12	10.564	8.64	9.84	18.48	50.00	-31.52	Average



Trace: 1
 Site : Conduction room
 Condition : FCC Part15 Class B Conduction(QP) line1
 Test Engineer: Kai Wang
 Applicant : Vencer
 Product : Bluetooth True Wireless Earbud
 Model No. : VS-3xxx
 Test Rating : 120Vac/60Hz
 Temp/Hum : 22.3°C/42%
 Memo : (a) Charge Mode

		Read		Limit	Over	
	Freq	Level	Factor	Level	Line	Limit Remark
	MHz	dBuV	dB	dBuV	dBuV	dB
1	0.161	34.75	9.68	44.43	65.42	-20.99 QP
2	0.161	17.43	9.68	27.11	55.42	-28.31 Average
3	0.244	28.47	9.68	38.15	61.95	-23.80 QP
4	0.244	11.70	9.68	21.38	51.95	-30.57 Average
5	0.766	28.15	9.70	37.85	56.00	-18.15 QP
6	0.766	16.10	9.70	25.80	46.00	-20.20 Average
7	4.191	18.15	9.74	27.89	56.00	-28.11 QP
8	4.191	12.43	9.74	22.17	46.00	-23.83 Average
9	7.098	18.46	9.79	28.25	60.00	-31.75 QP
10	7.098	11.82	9.79	21.61	50.00	-28.39 Average
11	10.052	15.50	9.83	25.33	60.00	-34.67 QP
12	10.052	9.21	9.83	19.04	50.00	-30.96 Average