

# Test Report No.50304064 001

## Appendix D: Radiated and Mains Spurious Emission Data

(File: 50304064 001AppendixD)

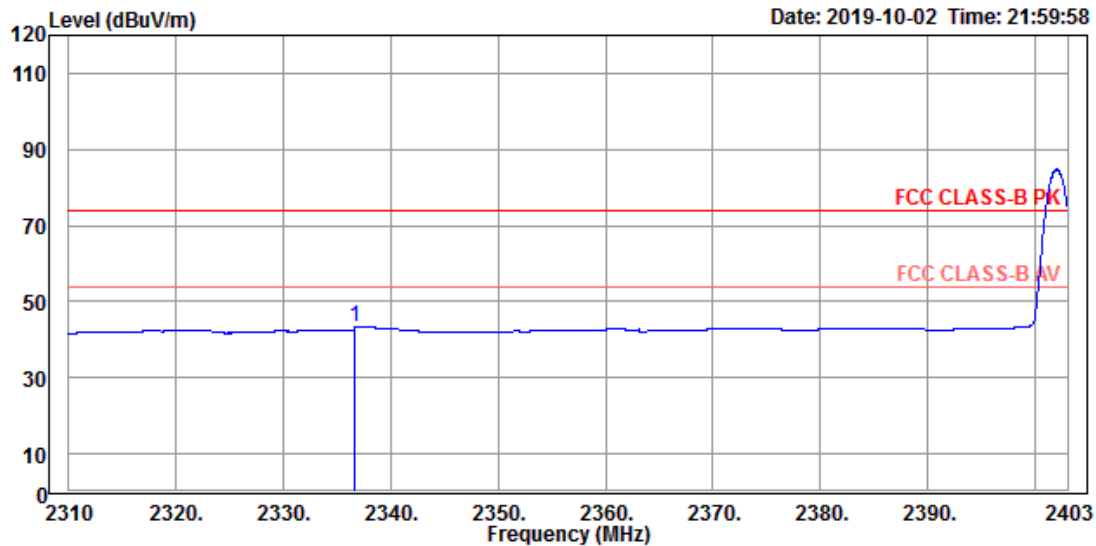
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## Spurious Emissions, Band Edges

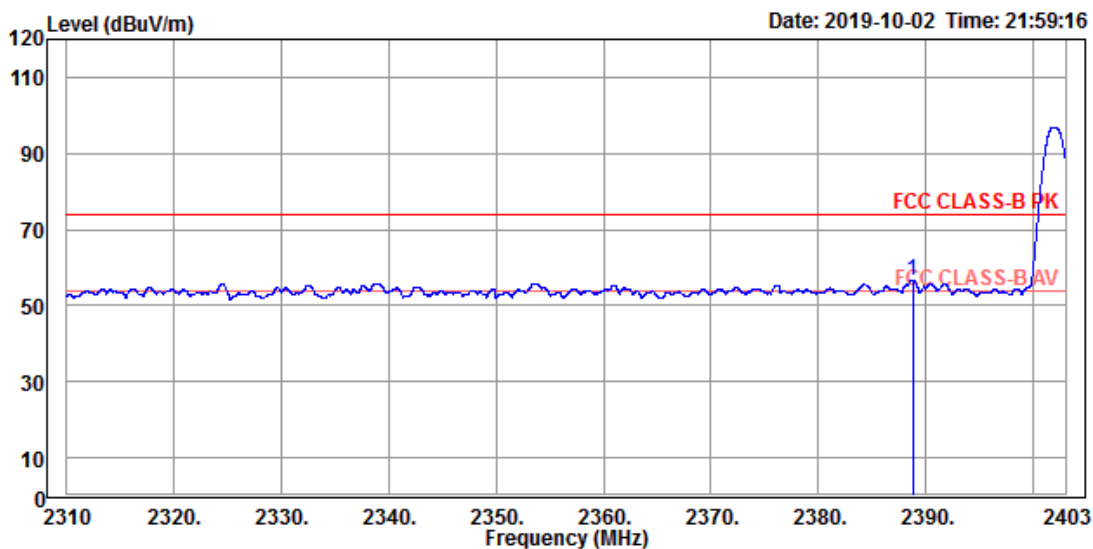


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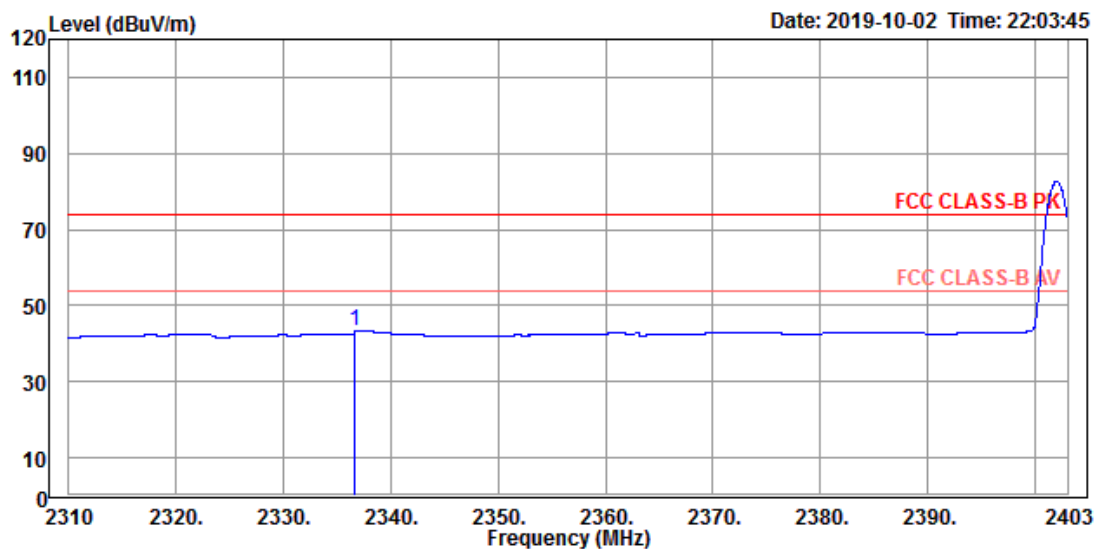
Site : 966B Chamber A  
Condition : FCC CLASS-B PK 3m Horizontal  
Test Engineer: Simon Tsai  
Product : Bluetooth Headset  
Model NO : BHC 539  
Mode : 1DH5\_TX\_2402MHz  
Power setting: Default use CBT Connect  
Test Rating :  
Tmp/Hum : 23.5°C/67%  
Plane : X

	Read		Limit	Over	APos	TPos	
Freq	Level	Factor	Level	Line	Limit		Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1 2336.579	5.59	37.87	43.46	54.00	-10.54	251	318 Average



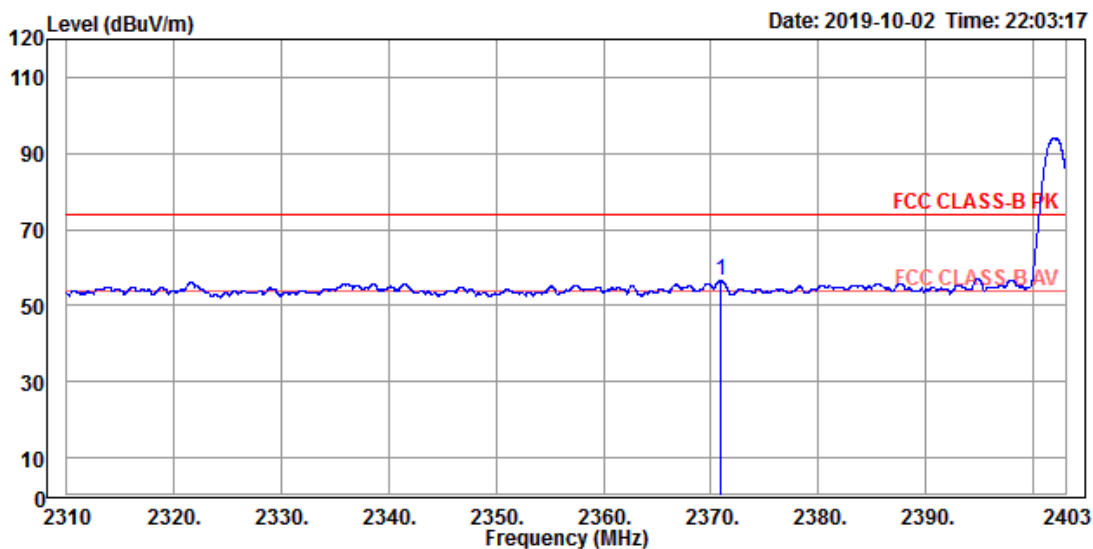
Site : 966B Chamber A  
Condition : FCC CLASS-B PK 3m Horizontal  
Test Engineer: Simon Tsai  
Product : Bluetooth Headset  
Model NO : BHC 539  
Mode : 1DH5\_TX\_2402MHz  
Power setting: Default use CBT Connect  
Test Rating :  
Tmp/Hum : 23.5°C/67%  
Plane : X

		Read		Limit	Over	APos	TPos	
	Freq	Level	Factor	Level	Line	Limit		Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	2388.771	18.62	38.13	56.75	74.00	-17.25	251	318 Peak



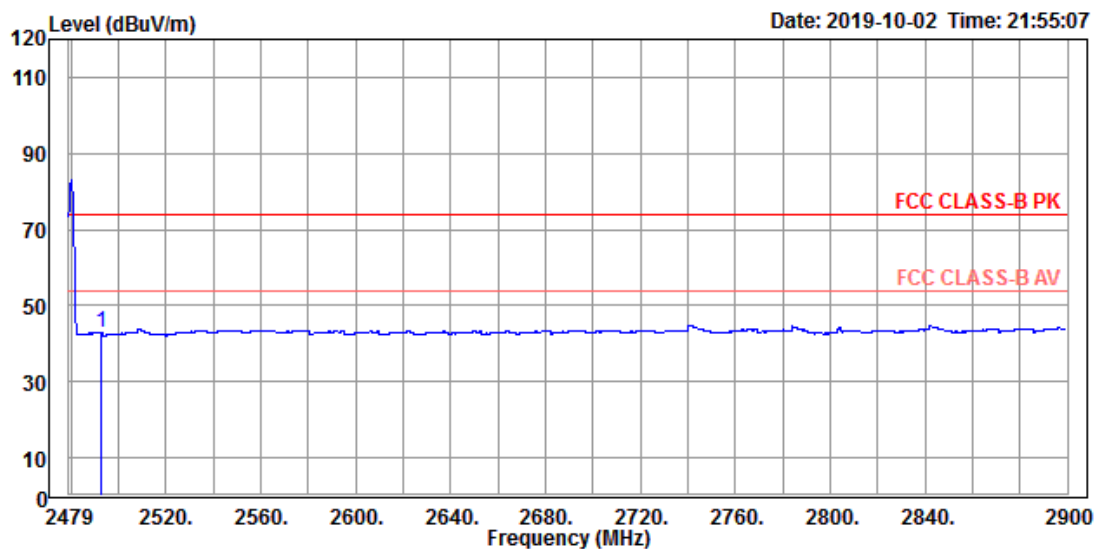
Site : 966B Chamber A  
Condition : FCC CLASS-B PK 3m Vertical  
Test Engineer: Simon Tsai  
Product : Bluetooth Headset  
Model NO : BHC 539  
Mode : 1DH5\_TX\_2402MHz  
Power setting: Default use CBT Connect  
Test Rating :  
Tmp/Hum : 23.5°C/67%  
Plane : X

		Read		Limit	Over	APos	TPos	
	Freq	Level	Factor	Level	Line	Limit		Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	2336.579	5.63	37.87	43.50	54.00	-10.50	383	340 Average



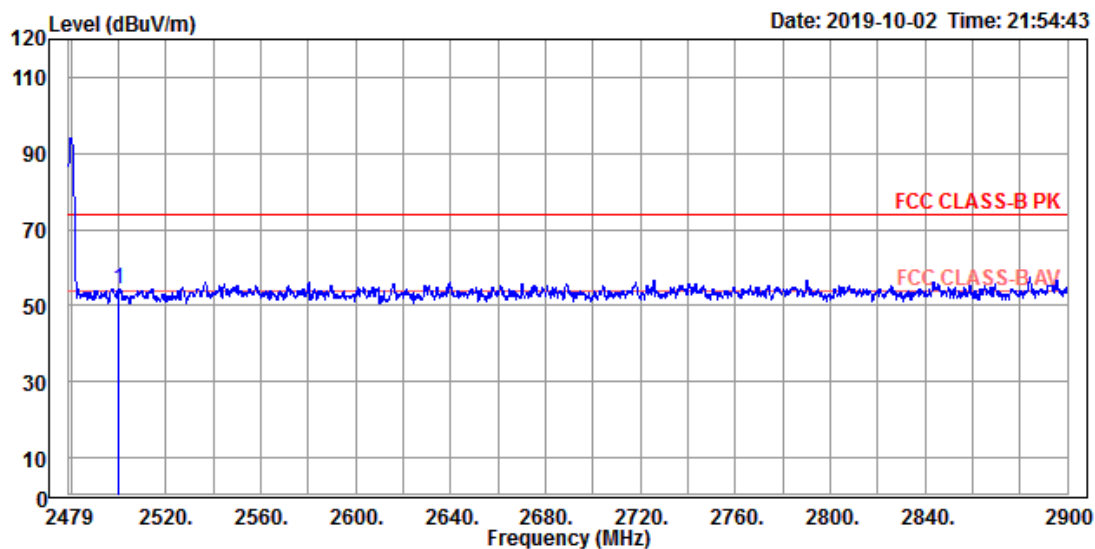
Site : 966B Chamber A  
Condition : FCC CLASS-B PK 3m Vertical  
Test Engineer: Simon Tsai  
Product : Bluetooth Headset  
Model NO : BHC 539  
Mode : 1DH5\_TX\_2402MHz  
Power setting: Default use CBT Connect  
Test Rating :  
Tmp/Hum : 23.5°C/67%  
Plane : X

		Read		Limit	Over	APos	TPos	
	Freq	Level	Factor	Level	Line	Limit		Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	2370.859	18.43	38.03	56.46	74.00	-17.54	383	340 Peak



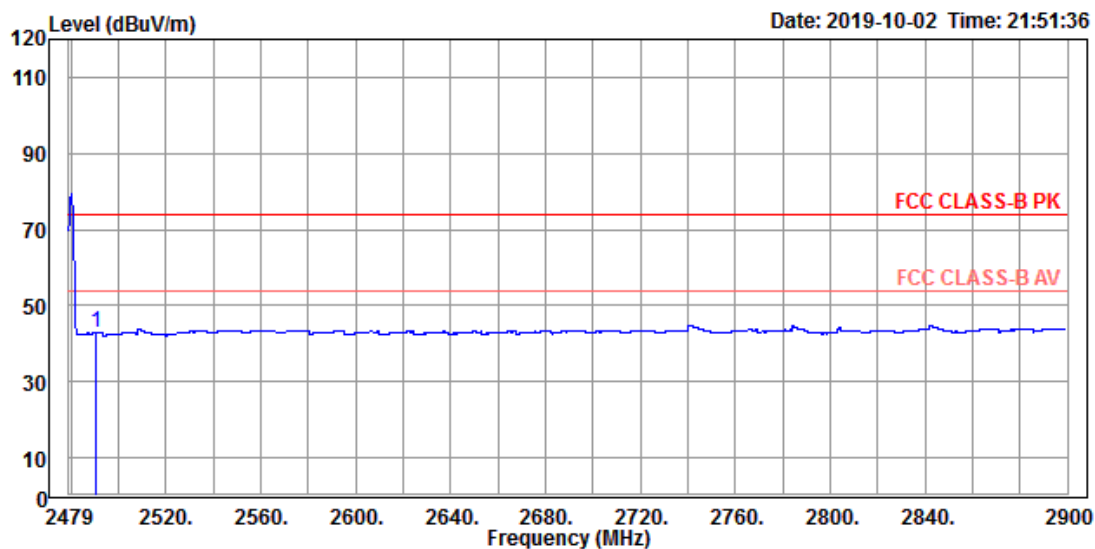
Site : 966B Chamber A  
Condition : FCC CLASS-B PK 3m Horizontal  
Test Engineer: Simon Tsai  
Product : Bluetooth Headset  
Model NO : BHC 539  
Mode : 1DH5\_TX\_2480MHz  
Power setting: Default use CBT Connect  
Test Rating :  
Tmp/Hum : 23.5°C/67%  
Plane : X

		Read		Limit	Over	APos	TPos	
	Freq	Level	Factor	Level	Line	Limit		Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	2492.388	4.33	38.43	42.76	54.00	-11.24	212	321 Average



Site : 966B Chamber A  
Condition : FCC CLASS-B PK 3m Horizontal  
Test Engineer: Simon Tsai  
Product : Bluetooth Headset  
Model NO : BHC 539  
Mode : 1DH5\_TX\_2480MHz  
Power setting: Default use CBT Connect  
Test Rating :  
Tmp/Hum : 23.5°C/67%  
Plane : X

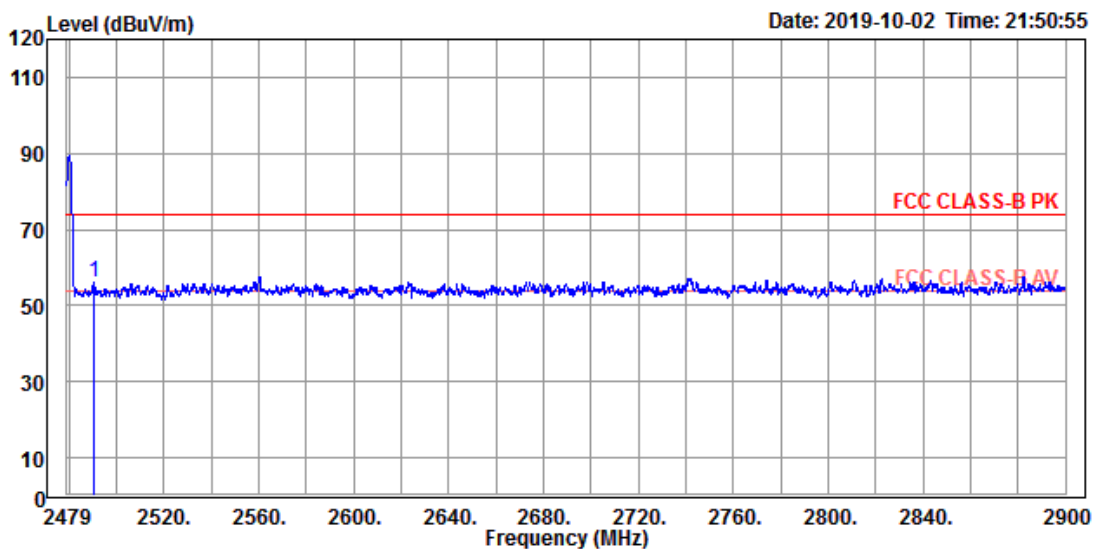
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1	2499.713	15.92	38.42	54.34	74.00	-19.66	212	321	Peak



Site : 966B Chamber A  
Condition : FCC CLASS-B PK 3m Vertical  
Test Engineer: Simon Tsai  
Product : Bluetooth Headset  
Model NO : BHC 539  
Mode : 1DH5\_TX\_2480MHz  
Power setting: Default use CBT Connect  
Test Rating :  
Tmp/Hum : 23.5°C/67%  
Plane : X

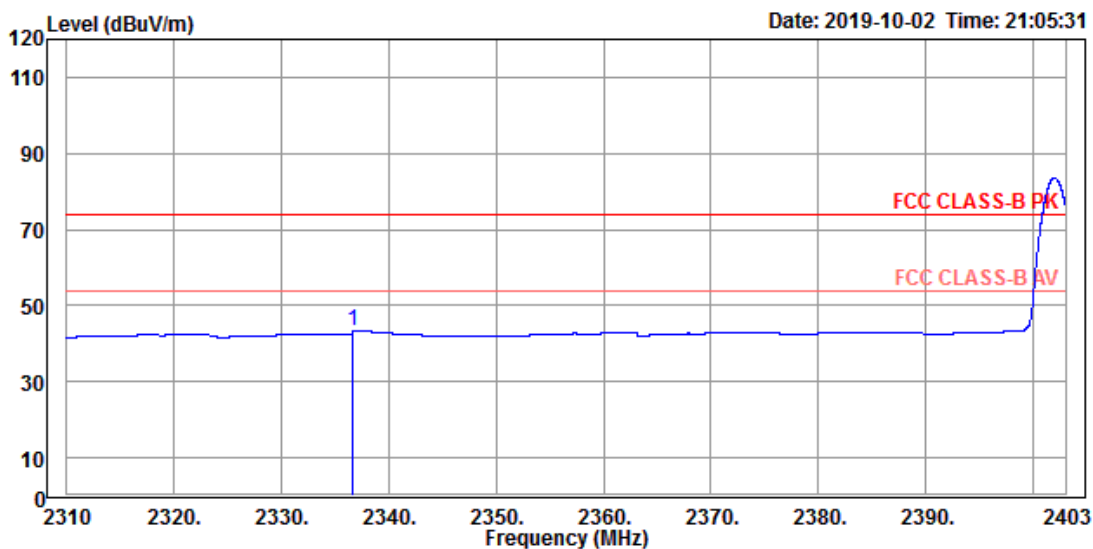
		Read		Limit	Over	APos	TPos	
	Freq	Level	Factor	Level	Line	Limit		Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	2490.367	4.33	38.43	42.76	54.00	-11.24	320	345 Average





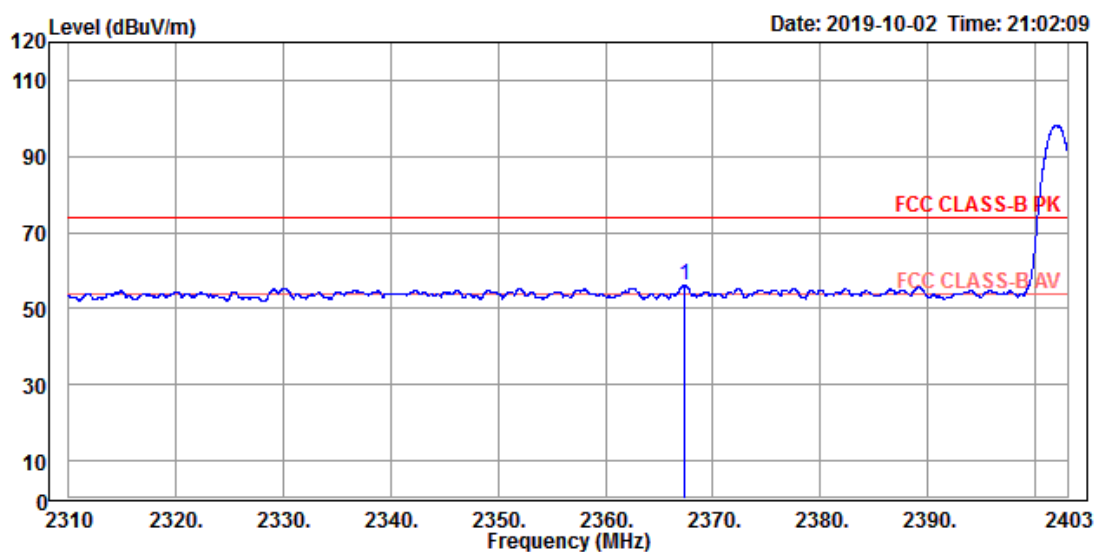
Site : 966B Chamber A  
Condition : FCC CLASS-B PK 3m Vertical  
Test Engineer: Simon Tsai  
Product : Bluetooth Headset  
Model NO : BHC 539  
Mode : 1DH5\_TX\_2480MHz  
Power setting: Default use CBT Connect  
Test Rating :  
Tmp/Hum : 23.5°C/67%  
Plane : X

		Read		Limit	Over	APos	TPos	
	Freq	Level	Factor	Level	Line	Limit		Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	2490.283	17.53	38.43	55.96	74.00	-18.04	320	345 Peak



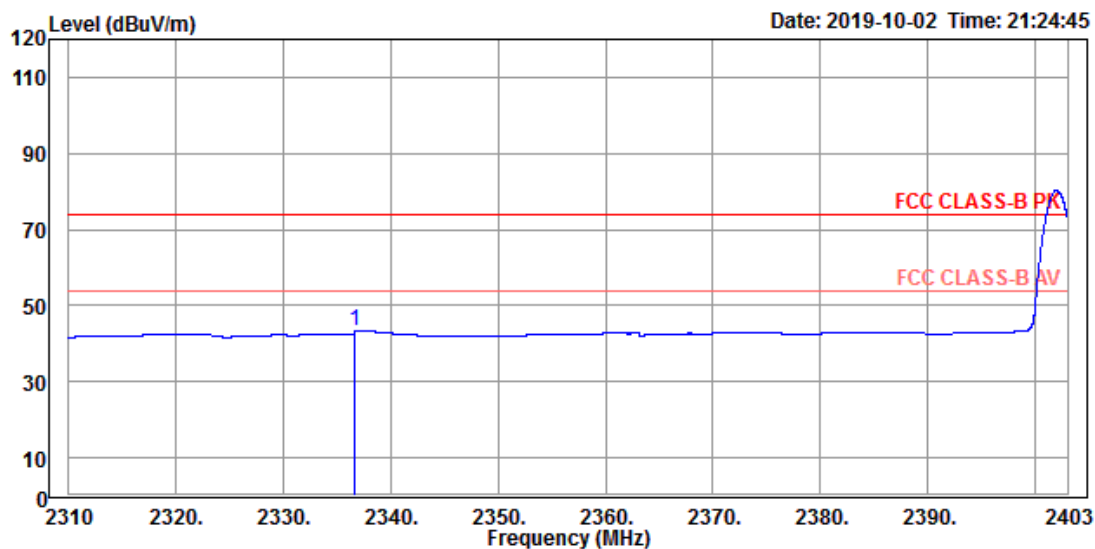
Site : 966B Chamber A  
Condition : FCC CLASS-B PK 3m Horizontal  
Test Engineer: Simon Tsai  
Product : Bluetooth Headset  
Model NO : BHC 539  
Mode : 3DH5\_TX\_2402MHz  
Power setting: Default use CBT Connect  
Test Rating :  
Tmp/Hum : 23.5°C/67%  
Plane : X

		Read		Limit	Over	APos	TPos	
	Freq	Level	Factor	Level	Line	Limit		Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	2336.579	5.58	37.87	43.45	54.00	-10.55	251	319 Average



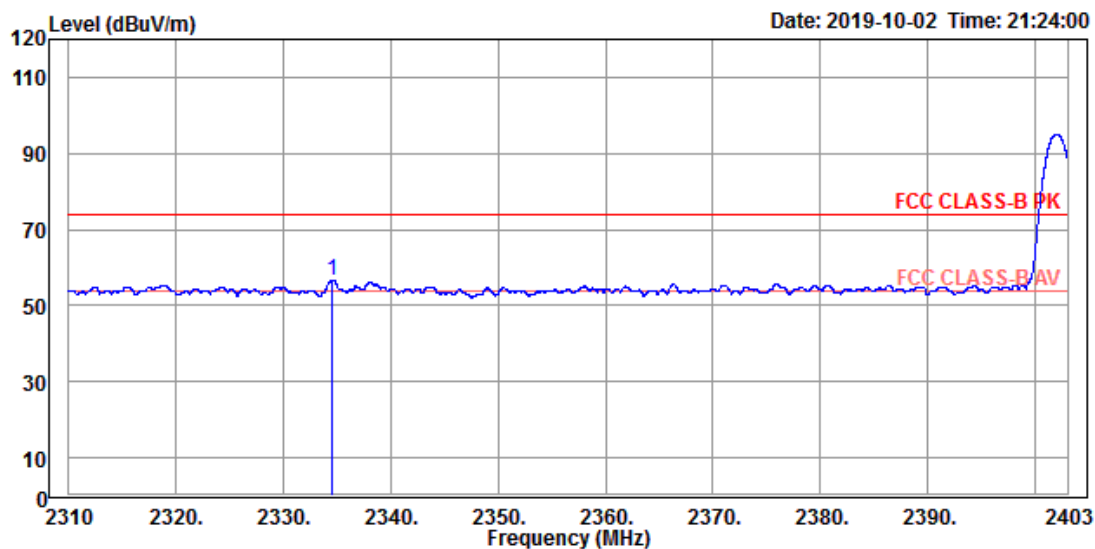
Site : 966B Chamber A  
Condition : FCC CLASS-B PK 3m Horizontal  
Test Engineer: Simon Tsai  
Product : Bluetooth Headset  
Model NO : BHC 539  
Mode : 3DH5\_TX\_2402MHz  
Power setting: Default use CBT Connect  
Test Rating :  
Tmp/Hum : 23.5°C/67%  
Plane : X

		Read		Limit	Over	APos	TPos	
	Freq	Level	Factor	Level	Line	Limit		Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	2367.325	18.05	38.01	56.06	74.00	-17.94	251	319 Peak



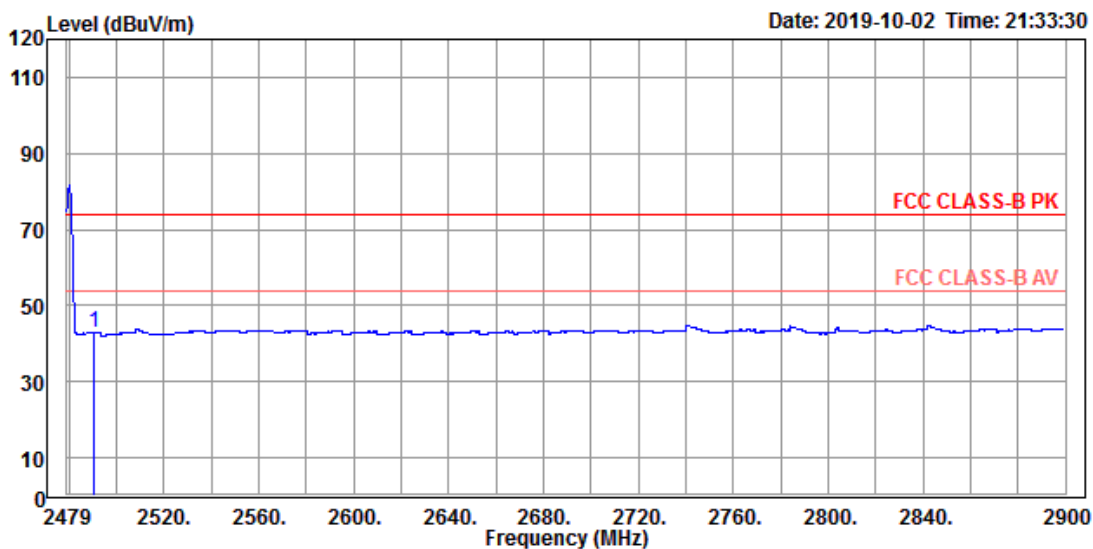
Site : 966B Chamber A  
Condition : FCC CLASS-B PK 3m Vertical  
Test Engineer: Simon Tsai  
Product : Bluetooth Headset  
Model NO : BHC 539  
Mode : 3DH5\_TX\_2402MHz  
Power setting: Default use CBT Connect  
Test Rating :  
Tmp/Hum : 23.5°C/67%  
Plane : X

		Read		Limit	Over	APos	TPos	
	Freq	Level	Factor	Level	Line	Limit		Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	2336.579	5.60	37.87	43.47	54.00	-10.53	382	340 Average



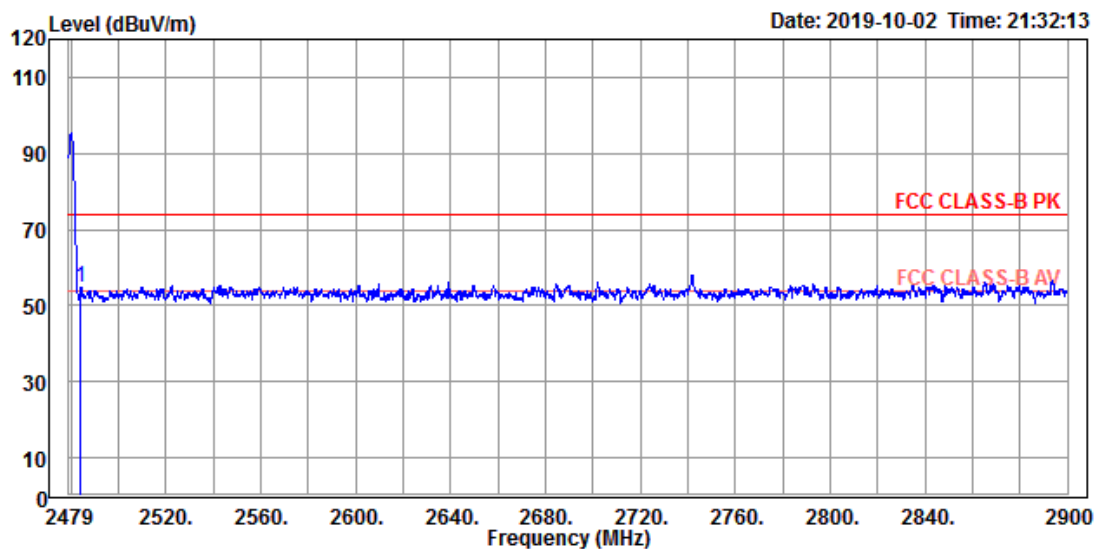
Site : 966B Chamber A  
 Condition : FCC CLASS-B PK 3m Vertical  
 Test Engineer: Simon Tsai  
 Product : Bluetooth Headset  
 Model NO : BHC 539  
 Mode : 3DH5\_TX\_2402MHz  
 Power setting: Default use CBT Connect  
 Test Rating :  
 Tmp/Hum : 23.5°C/67%  
 Plane : X

		Read		Limit	Over	APos	TPos	
	Freq	Level	Factor	Level	Line	Limit		Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	2334.533	18.93	37.87	56.80	74.00	-17.20	382	340 Peak



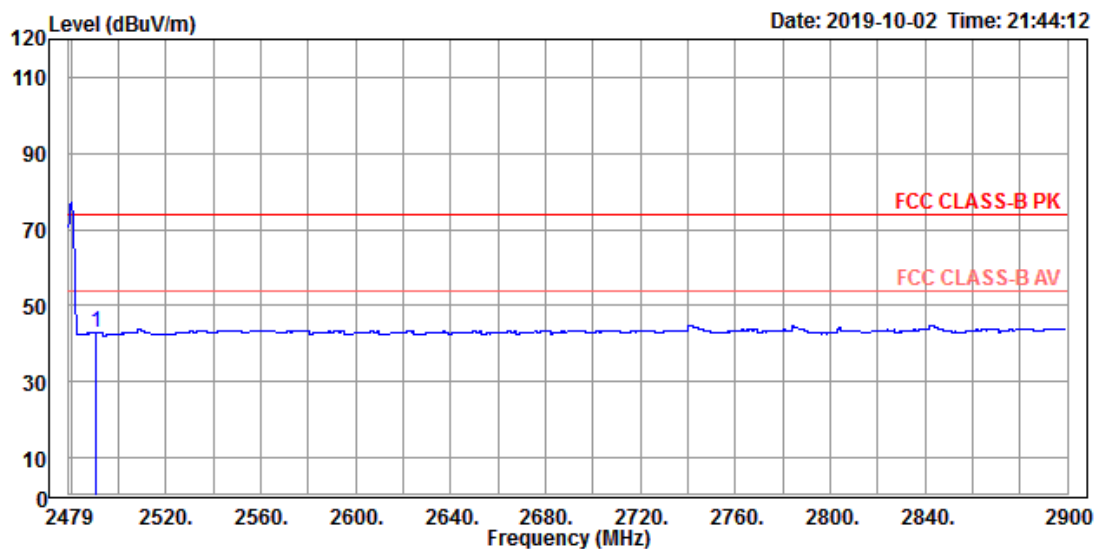
Site : 966B Chamber A  
Condition : FCC CLASS-B PK 3m Horizontal  
Test Engineer: Simon Tsai  
Product : Bluetooth Headset  
Model NO : BHC 539  
Mode : 3DH5\_TX\_2480MHz  
Power setting: Default use CBT Connect  
Test Rating :  
Tmp/Hum : 23.5°C/67%  
Plane : X

		Read		Limit	Over	APos	TPos	
	Freq	Level	Factor	Level	Line	Limit		Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	2490.198	4.36	38.43	42.79	54.00	-11.21	210	320 Average



Site : 966B Chamber A  
 Condition : FCC CLASS-B PK 3m Horizontal  
 Test Engineer: Simon Tsai  
 Product : Bluetooth Headset  
 Model NO : BHC 539  
 Mode : 3DH5\_TX\_2480MHz  
 Power setting: Default use CBT Connect  
 Test Rating :  
 Tmp/Hum : 23.5°C/67%  
 Plane : X

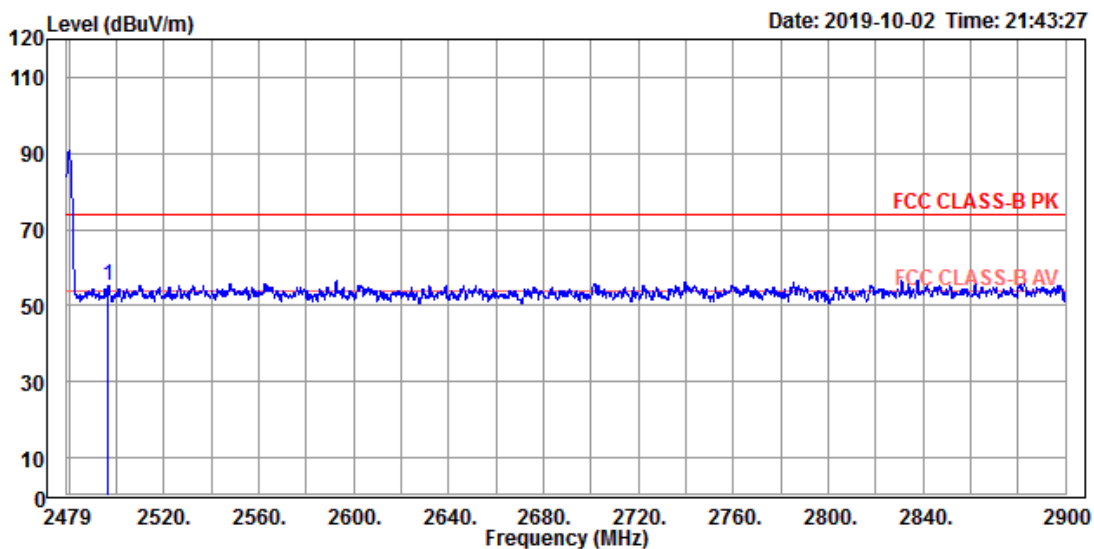
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1	2483.968	16.25	38.43	54.68	74.00	-19.32	210	320	Peak



Site : 966B Chamber A  
Condition : FCC CLASS-B PK 3m Vertical  
Test Engineer: Simon Tsai  
Product : Bluetooth Headset  
Model NO : BHC 539  
Mode : 3DH5\_TX\_2480MHz  
Power setting: Default use CBT Connect  
Test Rating :  
Tmp/Hum : 23.5°C/67%  
Plane : X

		Read		Limit	Over	APos	TPos	
	Freq	Level	Factor	Level	Line	Limit		Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	2490.535	4.37	38.43	42.80	54.00	-11.20	320	343 Average





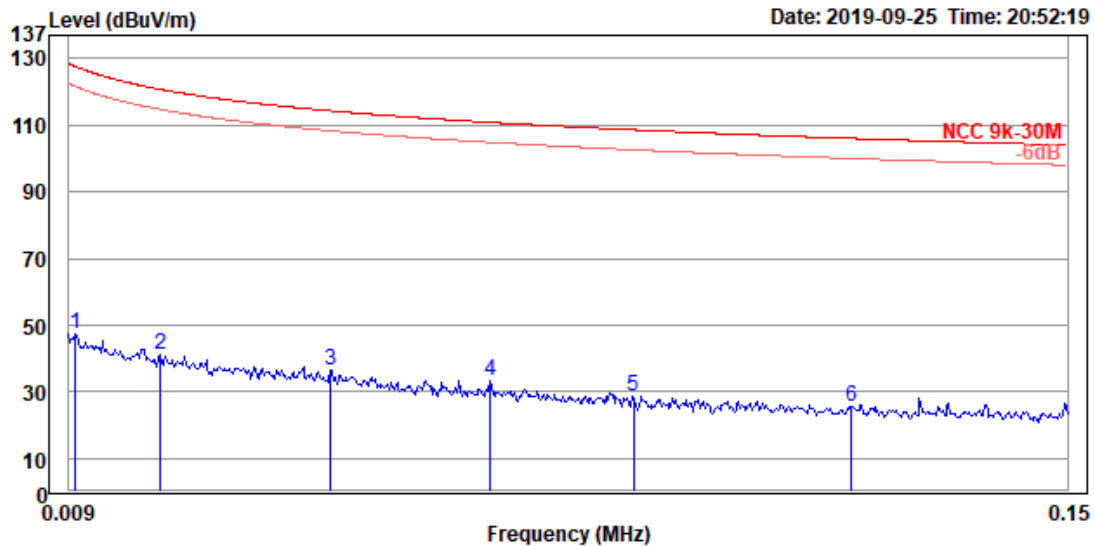
Site : 966B Chamber A  
Condition : FCC CLASS-B PK 3m Vertical  
Test Engineer: Simon Tsai  
Product : Bluetooth Headset  
Model NO : BHC 539  
Mode : 3DH5\_TX\_2480MHz  
Power setting: Default use CBT Connect  
Test Rating :  
Tmp/Hum : 23.5°C/67%  
Plane : X

		Read		Limit	Over	APos	TPos	
	Freq	Level	Factor	Level	Line	Limit		Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	2496.514	16.64	38.43	55.07	74.00	-18.93	320	343 Peak

## Spurious Emissions, TX Mode, 9kHz-30MHz

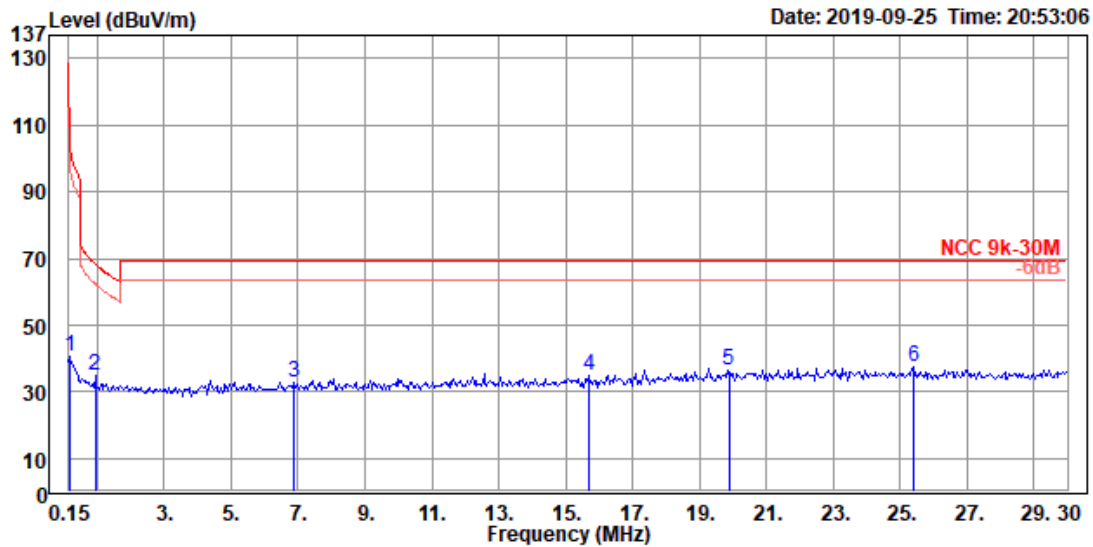


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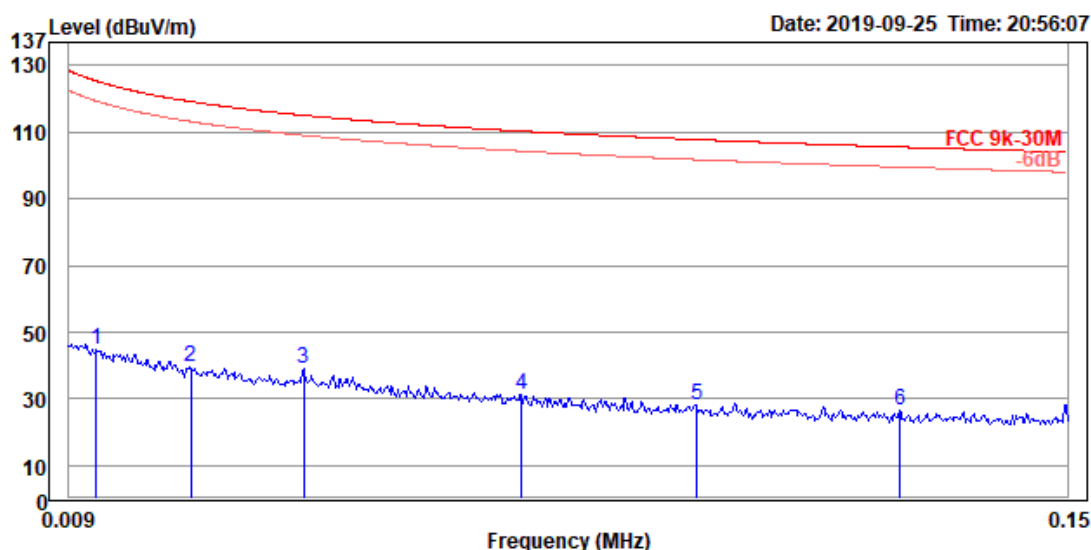
Site : 966A Chamber A  
Condition : NCC 9k-30M 3m vertical  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 1DH5-RX-2441  
Memo : X(Side stand)

	Freq	Read Level	Factor	Level	Limit	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	0.010	29.26	18.05	47.31	127.75	-80.44	100	81	QP	
2	0.022	22.45	18.61	41.06	120.79	-79.73	100	239	QP	
3	0.046	17.65	18.90	36.55	114.34	-77.79	100	115	QP	
4	0.068	14.81	18.45	33.26	110.89	-77.63	100	107	QP	
5	0.089	10.73	17.97	28.70	108.64	-79.94	100	23	QP	
6	0.120	7.84	17.78	25.62	106.05	-80.43	100	41	QP	



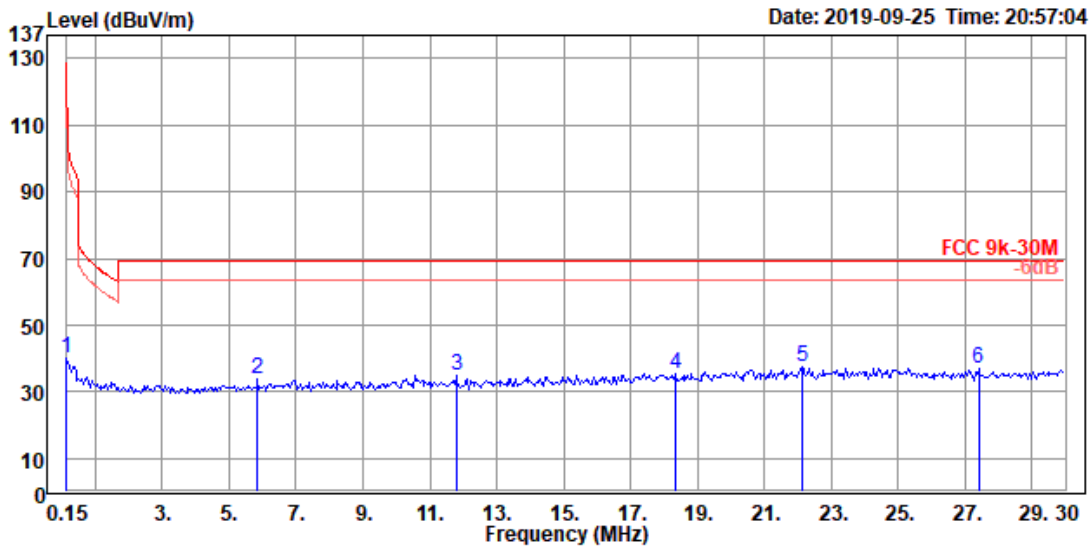
Site : 966A Chamber A  
Condition : NCC 9k-30M 3m vertical  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 1DH5-RX-2441  
Memo : X(Side stand)

	Freq	Read Level	Factor	Level	Limit	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	0.193	22.56	18.09	40.65	101.88	-61.23	100	278	QP	
2	0.929	16.21	18.63	34.84	68.26	-33.42	100	54	QP	
3	6.899	13.14	19.74	32.88	69.50	-36.62	100	235	QP	
4	15.681	14.14	20.97	35.11	69.50	-34.39	100	80	QP	
5	19.877	14.90	21.39	36.29	69.50	-33.21	100	17	QP	
6	25.414	15.82	21.65	37.47	69.50	-32.03	100	103	QP	



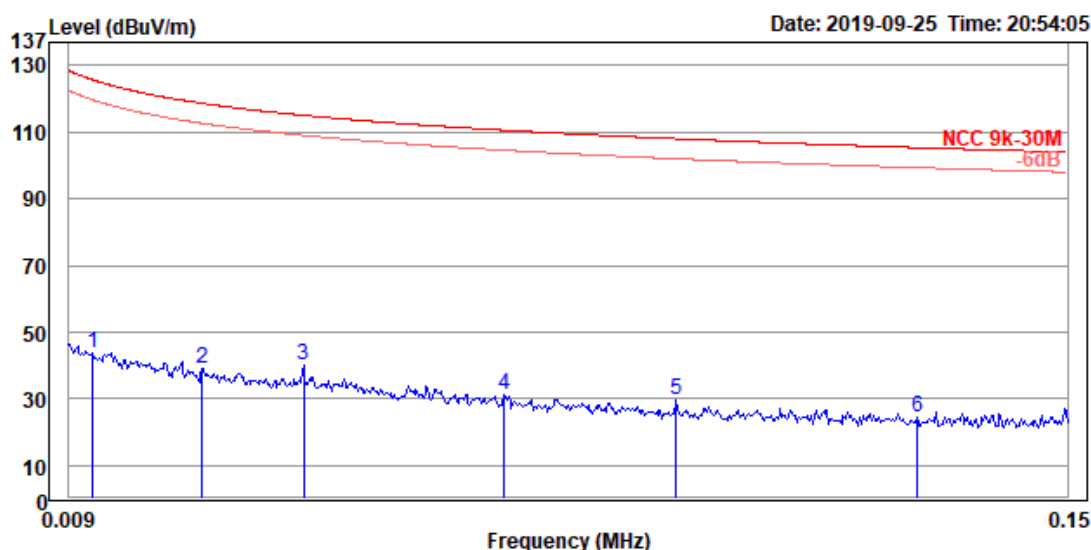
Site : 966A Chamber A  
Condition : FCC 9k-30M 3m vertical  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 1DH5-TX-2441  
Memo : X(Side stand)

	Freq	Read Level	Factor	Level	Limit	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	0.013	26.42	18.20	44.62	125.39	-80.77	100	17	QP	
2	0.026	20.57	18.81	39.38	119.24	-79.86	100	31	QP	
3	0.042	20.06	18.92	38.98	115.11	-76.13	100	201	QP	
4	0.073	12.98	18.34	31.32	110.33	-79.01	100	128	QP	
5	0.098	10.20	17.76	27.96	107.80	-79.84	100	96	QP	
6	0.126	8.58	17.82	26.40	105.57	-79.17	100	233	QP	



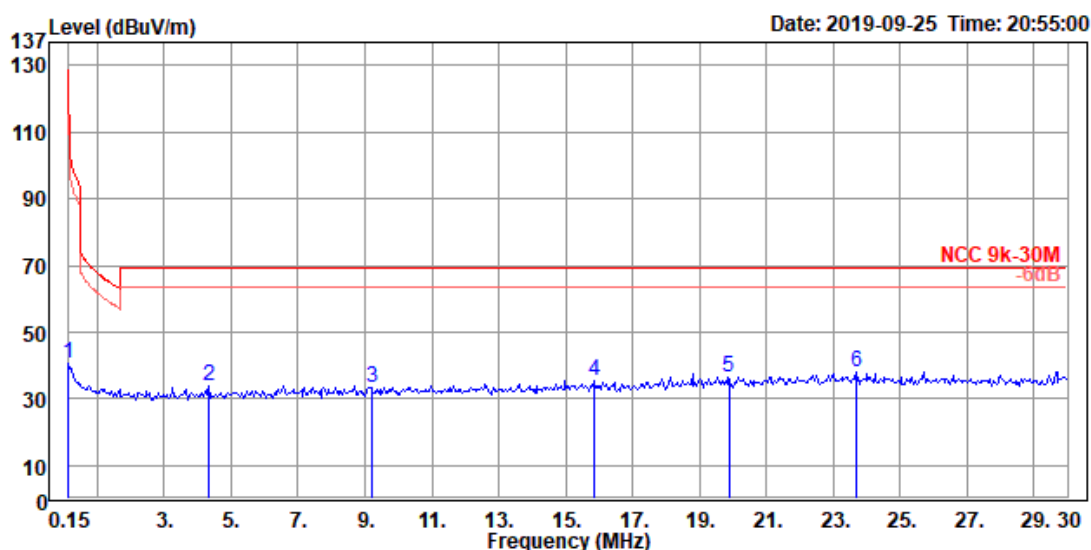
Site : 966A Chamber A  
Condition : FCC 9k-30M 3m vertical  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 1DH5-TX-2441  
Memo : X(Side stand)

		Read		Limit	Over	APos	TPos		
	Freq	Level	Factor	Level	Line	Limit		Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1	0.150	22.35	17.91	40.26	104.08	-63.82	100	118	QP
2	5.860	14.18	19.52	33.70	69.50	-35.80	100	194	QP
3	11.787	14.27	20.58	34.85	69.50	-34.65	100	215	QP
4	18.363	14.21	21.23	35.44	69.50	-34.06	100	124	QP
5	22.127	15.86	21.50	37.36	69.50	-32.14	100	360	QP
6	27.404	15.40	21.74	37.14	69.50	-32.36	100	92	QP



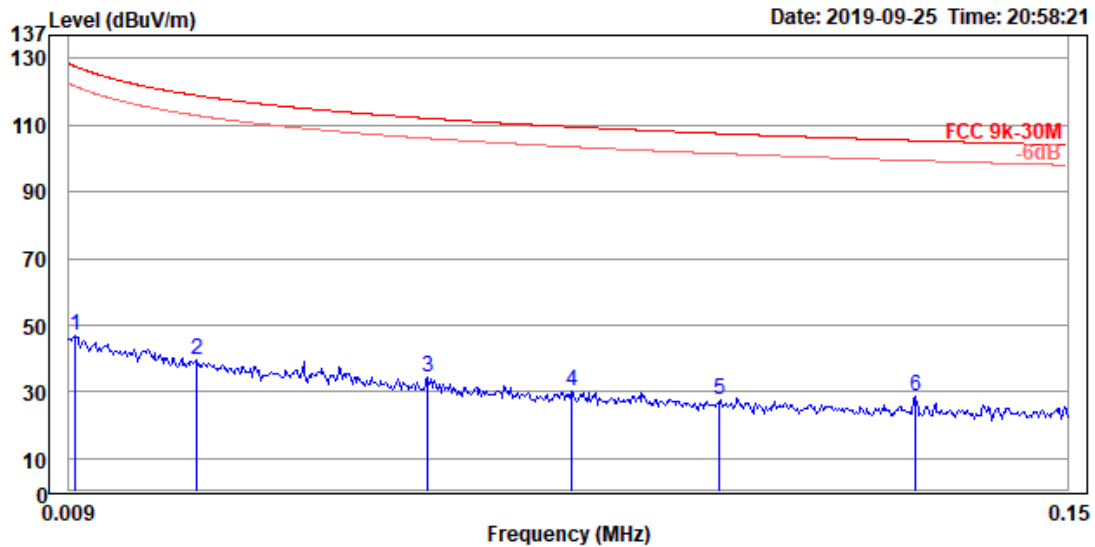
Site : 966A Chamber A  
Condition : NCC 9k-30M 3m vertical  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 3DH5-RX-2441  
Memo : X(Side stand)

		Read		Limit	Over	APos	TPos		
	Freq	Level	Factor	Level	Line	Limit		Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1	0.012	25.79	18.17	43.96	125.81	-81.85	100	304	QP
2	0.028	20.39	18.88	39.27	118.71	-79.44	100	186	QP
3	0.042	20.98	18.92	39.90	115.11	-75.21	100	152	QP
4	0.071	12.91	18.40	31.31	110.63	-79.32	100	79	QP
5	0.095	11.63	17.82	29.45	108.06	-78.61	100	44	QP
6	0.129	6.67	17.82	24.49	105.40	-80.91	100	302	QP



Site : 966A Chamber A  
Condition : NCC 9k-30M 3m vertical  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 3DH5-RX-2441  
Memo : X(Side stand)

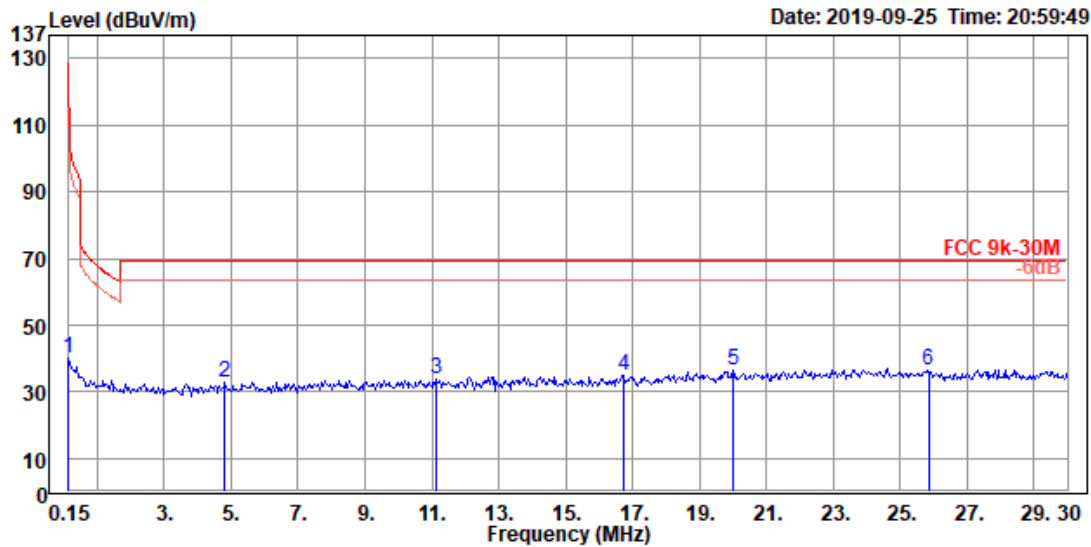
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	0.150	22.75	17.91	40.66	104.08	-63.42	100	163	QP	
2	4.346	14.60	19.10	33.70	69.50	-35.80	100	199	QP	
3	9.192	13.28	20.23	33.51	69.50	-35.99	100	40	QP	
4	15.854	14.18	20.99	35.17	69.50	-34.33	100	138	QP	
5	19.877	14.99	21.39	36.38	69.50	-33.12	100	278	QP	
6	23.684	16.25	21.57	37.82	69.50	-31.68	100	5	QP	



Site : 966A Chamber A  
Condition : FCC 9k-30M 3m vertical  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 3DH5-TX-2441  
Memo : X(Side stand)

	Freq	Read Level	Factor	Level	Limit	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	0.010	28.90	18.05	46.95	127.75	-80.80	100	2	QP	
2	0.027	20.56	18.84	39.40	118.97	-79.57	100	149	QP	
3	0.060	15.68	18.65	34.33	112.08	-77.75	100	177	QP	
4	0.080	11.90	18.17	30.07	109.54	-79.47	100	282	QP	
5	0.101	9.79	17.70	27.49	107.51	-80.02	100	16	QP	
6	0.129	10.64	17.82	28.46	105.42	-76.96	100	311	QP	





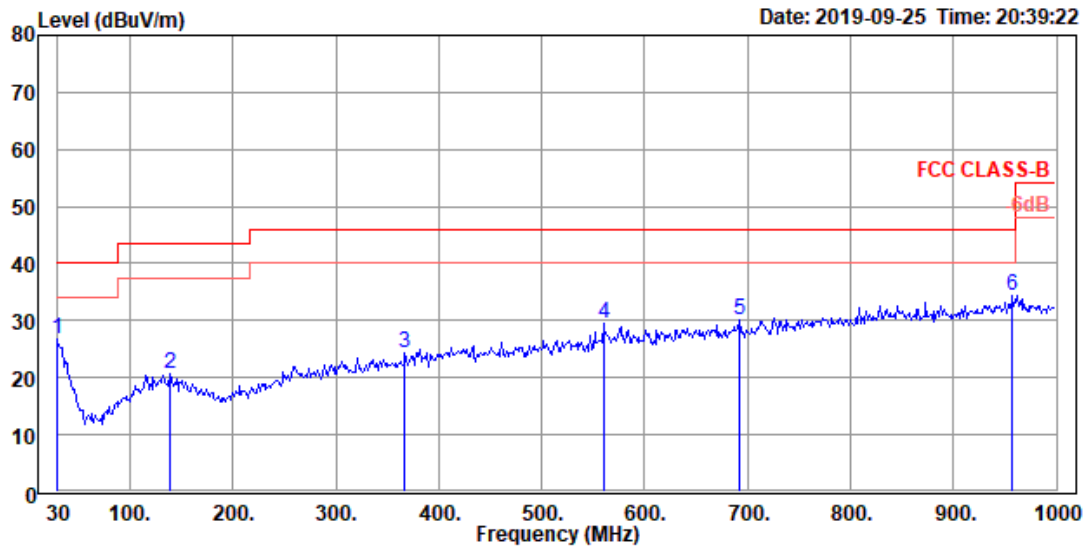
Site : 966A Chamber A  
Condition : FCC 9k-30M 3m vertical  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 3DH5-TX-2441  
Memo : X(Side stand)

		Read		Limit	Over	APos	TPos		
	Freq	Level	Factor	Level	Line	Limit		Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1	0.150	22.46	17.91	40.37	104.08	-63.71	100	328	QP
2	4.822	13.70	19.28	32.98	69.50	-36.52	100	30	QP
3	11.138	13.29	20.51	33.80	69.50	-35.70	100	167	QP
4	16.762	13.75	21.08	34.83	69.50	-34.67	100	208	QP
5	20.007	14.90	21.40	36.30	69.50	-33.20	100	317	QP
6	25.847	14.58	21.66	36.24	69.50	-33.26	100	262	QP

## Spurious Emissions, TX Mode, 30MHz-1GHz

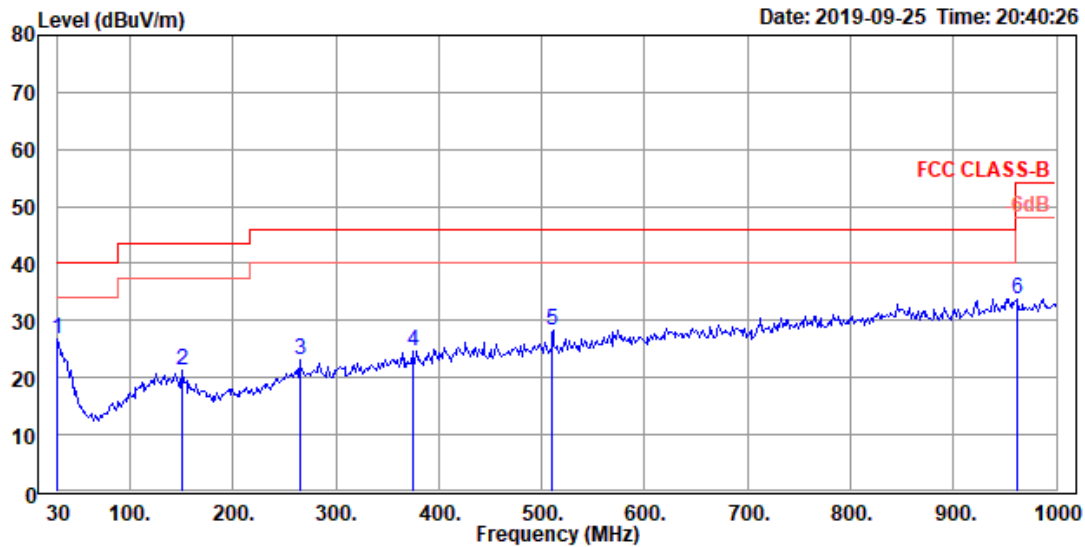


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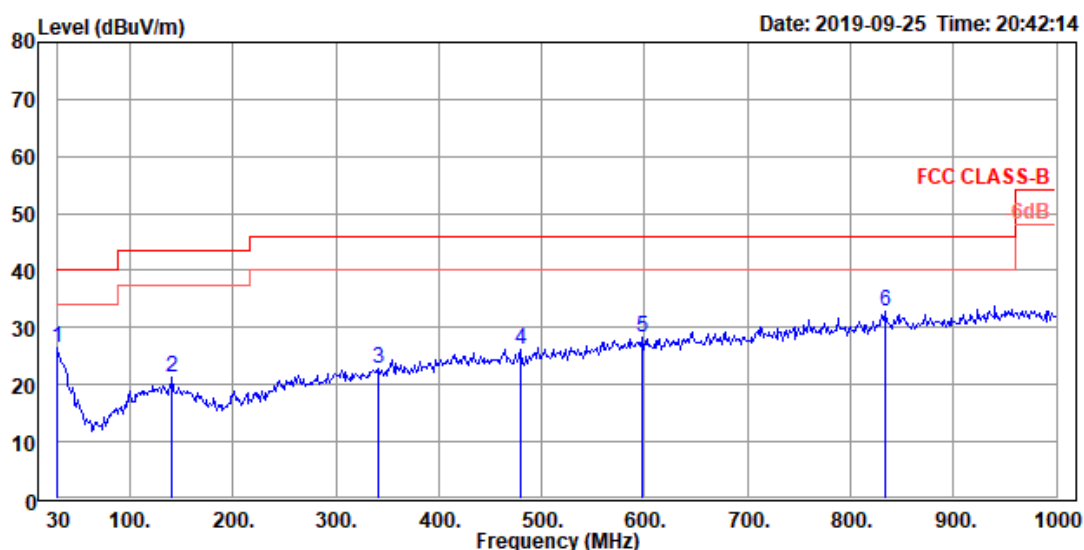
Site : 966A Chamber A  
Condition : FCC CLASS-B 3m horizontal  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 1DH5-TX-2441  
Memo : X(Side stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	30.000	27.00	-0.24	26.76	40.00	-13.24	100	320	QP	
2	138.246	27.54	-6.97	20.57	43.50	-22.93	100	252	QP	
3	367.391	27.54	-3.35	24.19	46.00	-21.81	100	59	QP	
4	559.986	29.76	-0.39	29.37	46.00	-16.63	100	274	QP	
5	692.130	29.48	0.75	30.23	46.00	-15.77	100	256	QP	
6	957.826	28.96	5.41	34.37	46.00	-11.63	100	108	QP	



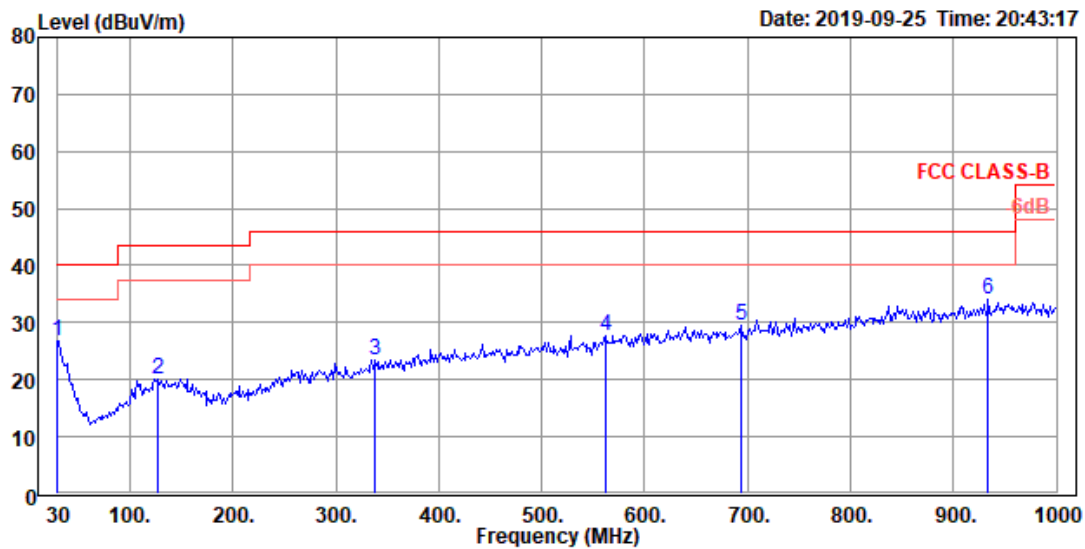
Site : 966A Chamber A  
Condition : FCC CLASS-B 3m vertical  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 1DH5-TX-2441  
Memo : X(Side stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	30.000	26.94	-0.24	26.70	40.00	-13.30	100	303	QP	
2	150.899	28.76	-7.35	21.41	43.50	-22.09	100	61	QP	
3	264.768	28.61	-5.51	23.10	46.00	-22.90	100	97	QP	
4	374.420	28.01	-3.26	24.75	46.00	-21.25	100	17	QP	
5	510.783	29.71	-1.41	28.30	46.00	-17.70	100	4	QP	
6	962.044	28.51	5.39	33.90	54.00	-20.10	100	24	QP	



Site : 966A Chamber A  
Condition : FCC CLASS-B 3m horizontal  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 3DH5-TX-2441  
Memo : X(Side stand)

		Read		Limit	Over	APos	TPos		
	Freq	Level	Factor	Level	Line	Limit		Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1	30.000	26.66	-0.24	26.42	40.00	-13.58	100	290	QP
2	141.058	28.29	-7.03	21.26	43.50	-22.24	100	193	QP
3	340.681	26.70	-3.91	22.79	46.00	-23.21	100	123	QP
4	479.855	28.18	-1.92	26.26	46.00	-19.74	100	156	QP
5	597.942	28.63	-0.27	28.36	46.00	-17.64	100	50	QP
6	834.116	29.37	3.39	32.76	46.00	-13.24	100	191	QP



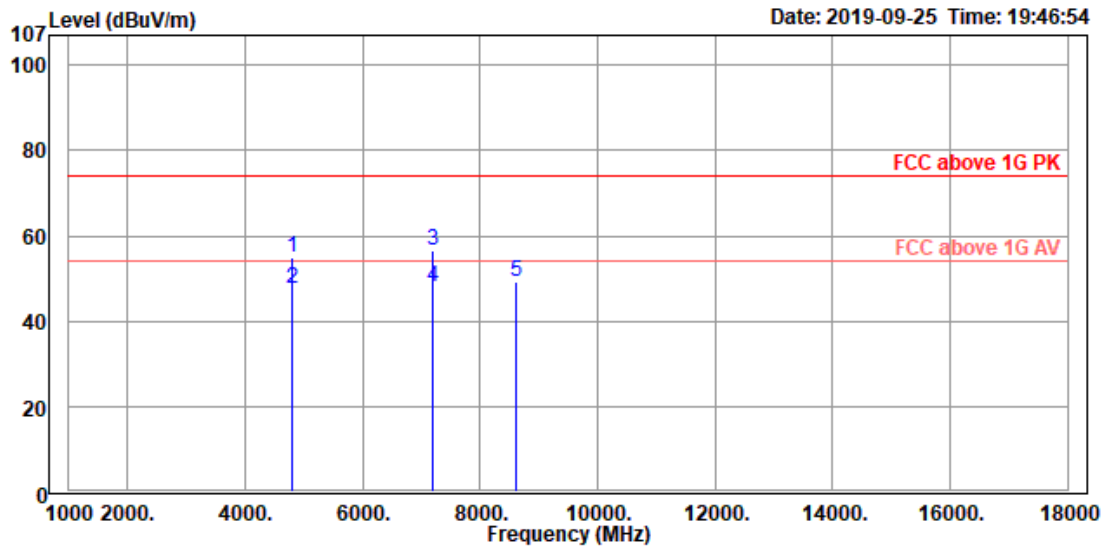
Site : 966A Chamber A  
Condition : FCC CLASS-B 3m vertical  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 3DH5-TX-2441  
Memo : X(Side stand)

		Read		Limit	Over	APos	TPos		
	Freq	Level	Factor	Level	Line	Limit		Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1	30.000	27.10	-0.24	26.86	40.00	-13.14	100	178	QP
2	127.000	27.40	-7.23	20.17	43.50	-23.33	100	197	QP
3	337.870	27.46	-3.96	23.50	46.00	-22.50	100	264	QP
4	562.797	28.05	-0.29	27.76	46.00	-18.24	100	94	QP
5	693.536	28.83	0.75	29.58	46.00	-16.42	100	138	QP
6	933.928	29.32	4.70	34.02	46.00	-11.98	100	359	QP

## Spurious Emissions, TX Mode, 1GHz-18GHz

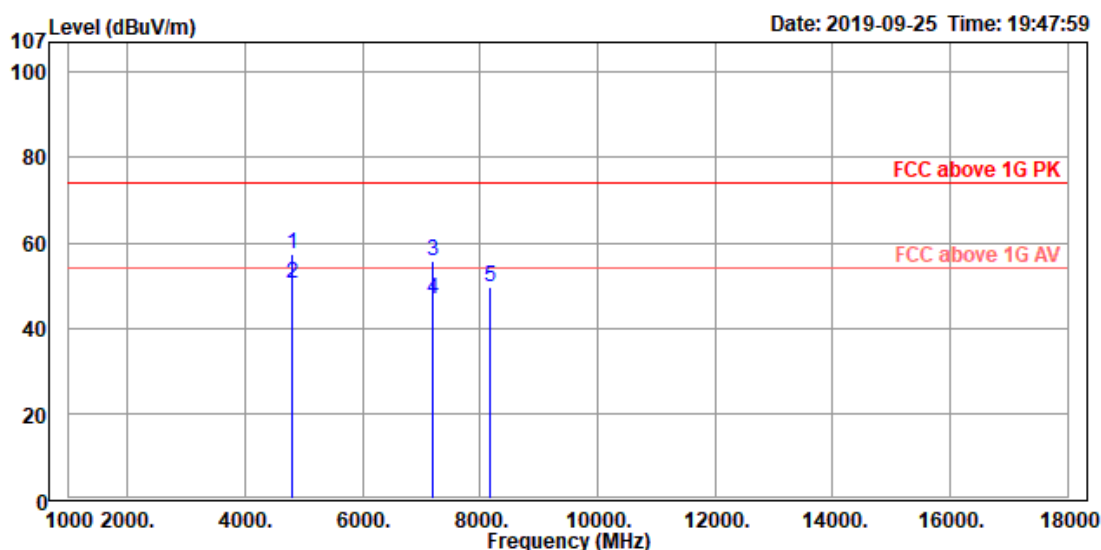


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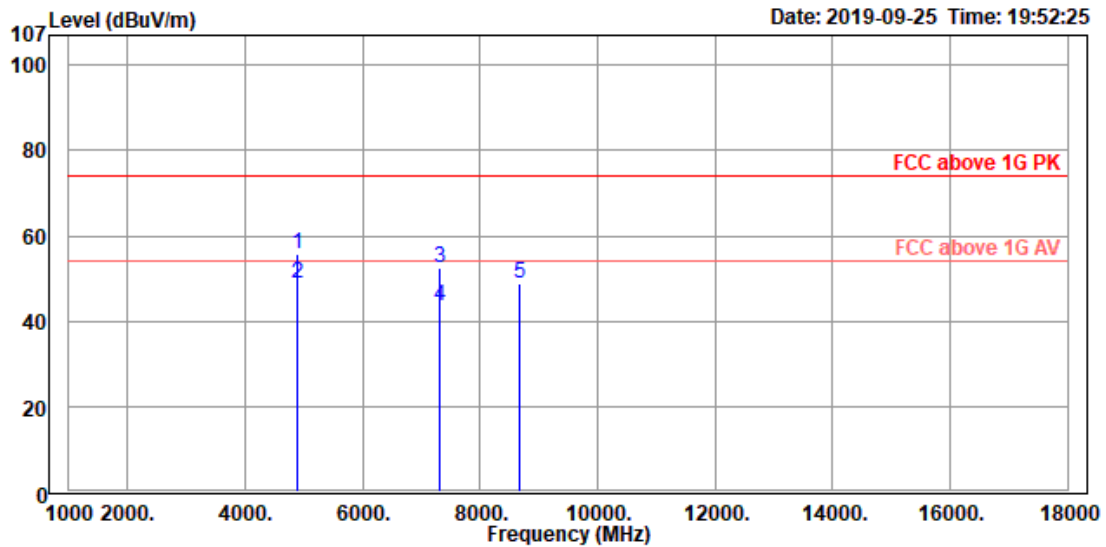
Site : 966A Chamber A  
Condition : FCC above 1G PK 3m horizontal  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 1DH5-TX-2402  
Memo : X(Side stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4804.000	58.48	-3.54	54.94	74.00	-19.06	100	122	Peak	
2	4804.000	51.19	-3.54	47.65	54.00	-6.35	100	122	Average	
3	7206.000	52.11	4.33	56.44	74.00	-17.56	100	78	Peak	
4	7206.000	43.65	4.33	47.98	54.00	-6.02	100	78	Average	
5	8613.044	43.51	5.57	49.08	74.00	-24.92	100	76	Peak	



Site : 966A Chamber A  
Condition : FCC above 1G PK 3m vertical  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 1DH5-TX-2402  
Memo : X(Side stand)

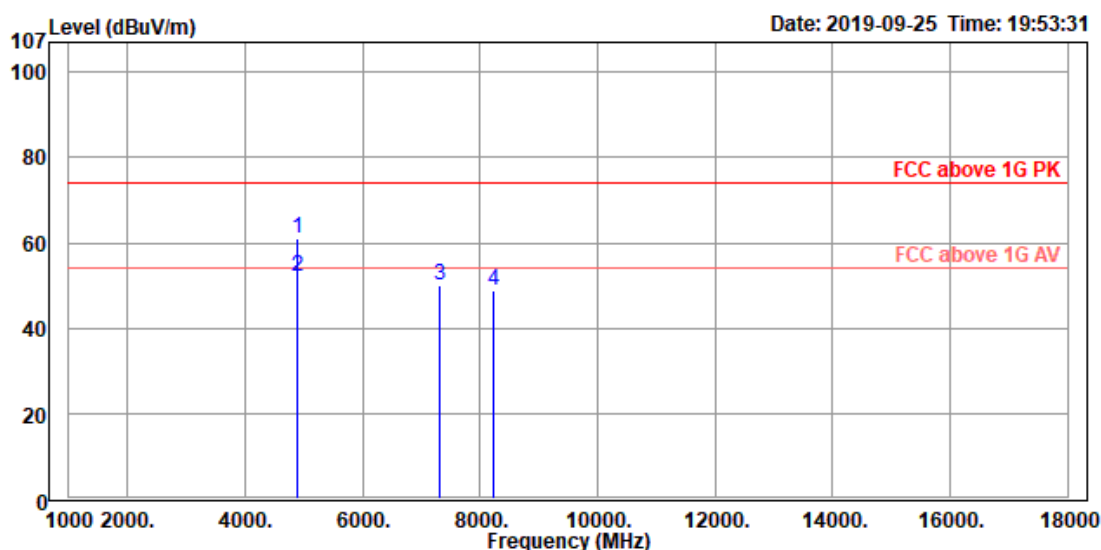
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4804.000	60.87	-3.54	57.33	74.00	-16.67	100	270	Peak	
2	4804.000	53.96	-3.54	50.42	54.00	-3.58	100	270	Average	
3	7206.000	51.27	4.33	55.60	74.00	-18.40	100	240	Peak	
4	7206.000	42.37	4.33	46.70	54.00	-7.30	100	240	Average	
5	8169.565	44.38	5.08	49.46	74.00	-24.54	100	6	Peak	



Site : 966A Chamber A  
Condition : FCC above 1G PK 3m horizontal  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 1DH5-TX-2441  
Memo : X(Side stand)

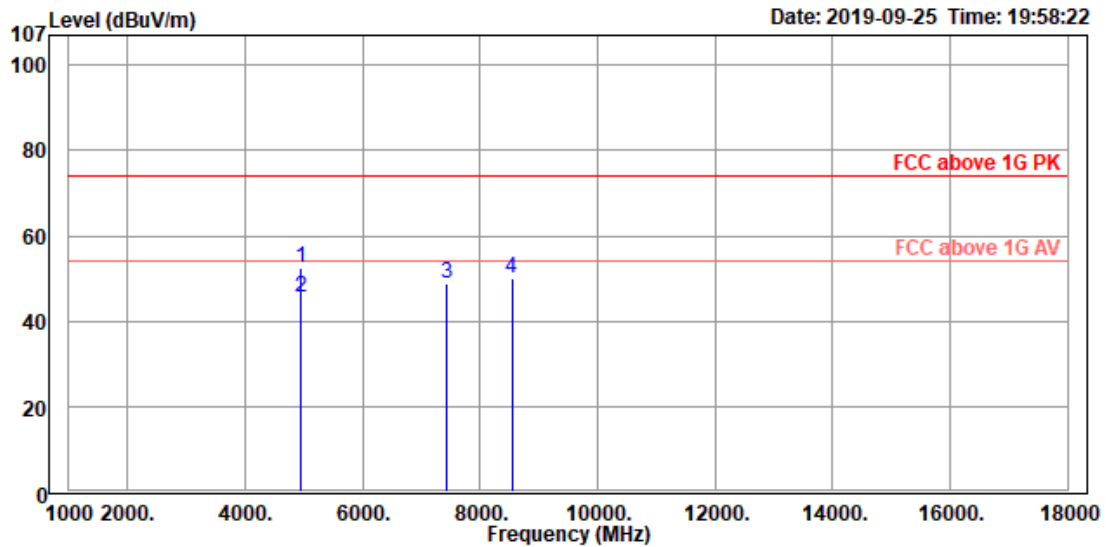
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4882.000	59.28	-3.44	55.84	74.00	-18.16	100	287	Peak	
2	4882.000	52.26	-3.44	48.82	54.00	-5.18	100	287	Average	
3	7323.000	47.78	4.57	52.35	74.00	-21.65	100	24	Peak	
4	7323.000	38.76	4.57	43.33	54.00	-10.67	100	24	Average	
5	8662.318	43.27	5.62	48.89	74.00	-25.11	100	78	Peak	





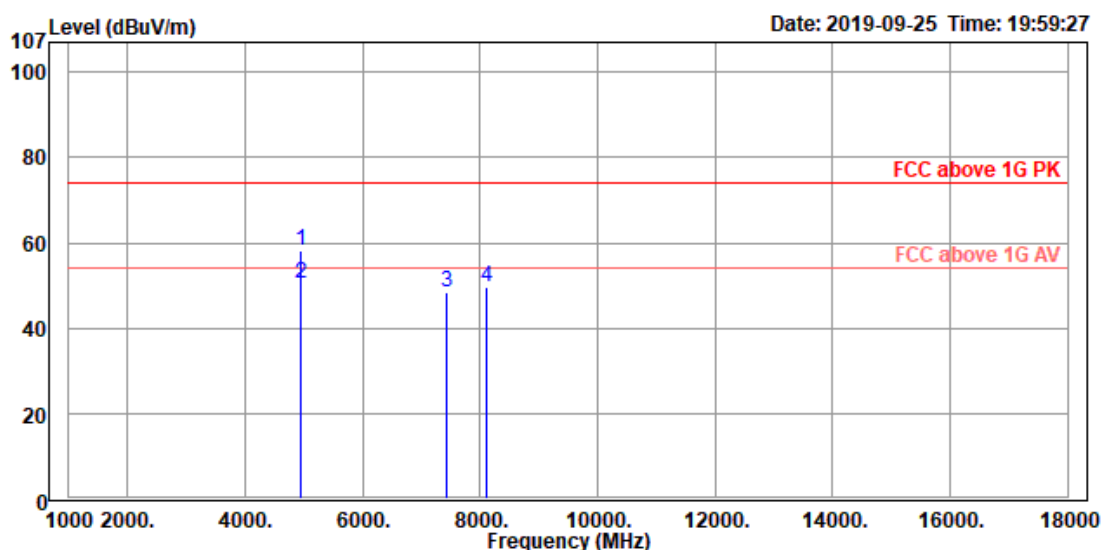
Site : 966A Chamber A  
Condition : FCC above 1G PK 3m vertical  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 1DH5-TX-2441  
Memo : X(Side stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4882.000	64.28	-3.44	60.84	74.00	-13.16	100	285	Peak	
2	4882.000	55.60	-3.44	52.16	54.00	-1.84	100	285	Average	
3	7323.000	45.33	4.57	49.90	74.00	-24.10	100	271	Peak	
4	8218.841	43.84	5.16	49.00	74.00	-25.00	100	109	Peak	



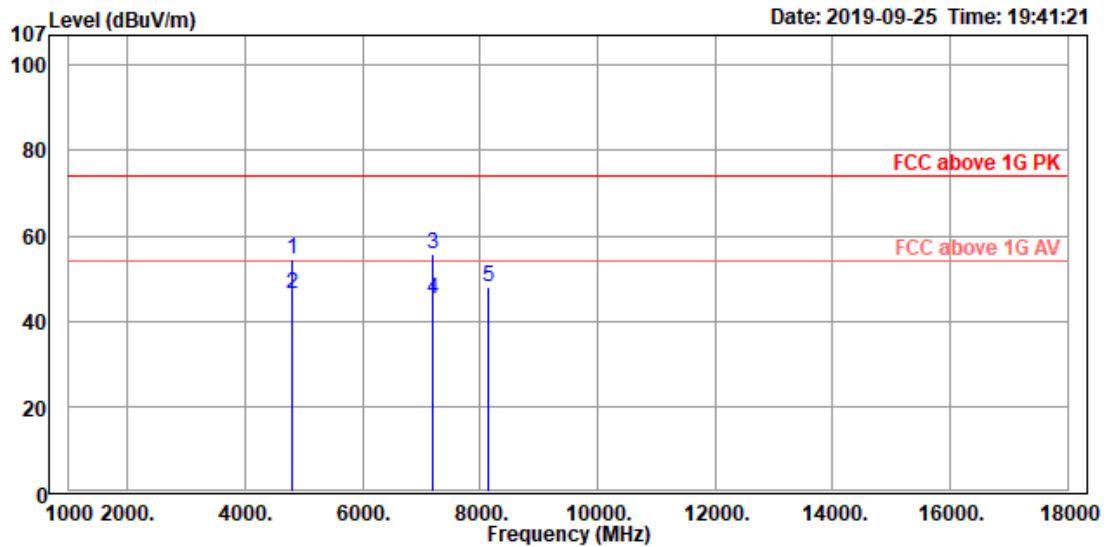
Site : 966A Chamber A  
Condition : FCC above 1G PK 3m horizontal  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 1DH5-TX-2480  
Memo : X(Side stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4960.000	55.87	-3.32	52.55	74.00	-21.45	100	291	Peak	
2	4960.000	48.86	-3.32	45.54	54.00	-8.46	100	291	Average	
3	7440.000	44.00	4.90	48.90	74.00	-25.10	100	94	Peak	
4	8539.131	44.53	5.59	50.12	74.00	-23.88	100	242	Peak	



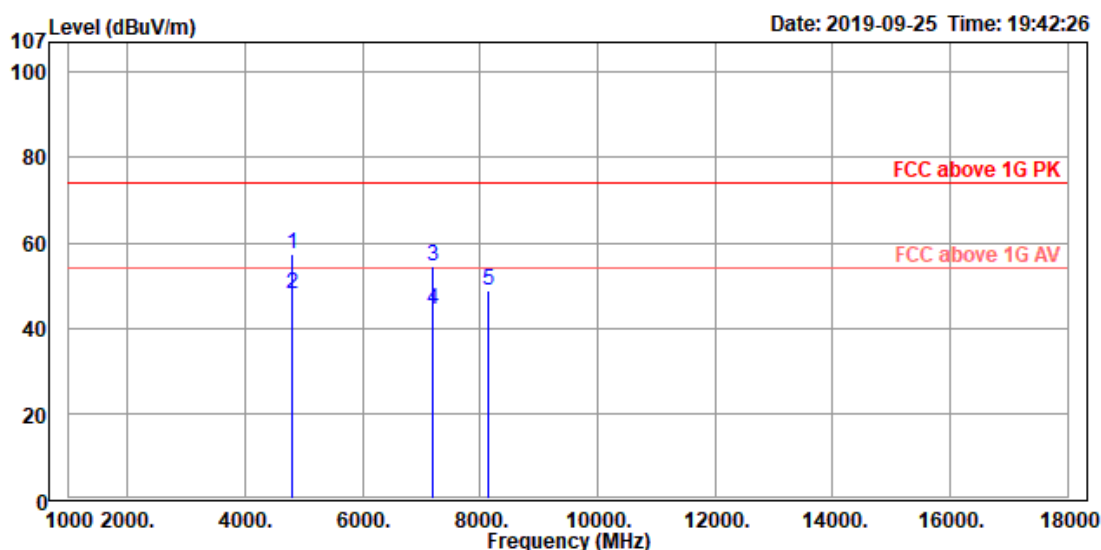
Site : 966A Chamber A  
Condition : FCC above 1G PK 3m vertical  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 1DH5-TX-2480  
Memo : X(Side stand)

	Freq	Read Level	Factor	Level	Limit	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4960.000	61.55	-3.32	58.23	74.00	-15.77	100	261	Peak	
2	4960.000	53.88	-3.32	50.56	54.00	-3.44	100	261	Average	
3	7440.000	43.48	4.90	48.38	74.00	-25.62	100	47	Peak	
4	8120.290	44.65	5.01	49.66	74.00	-24.34	100	90	Peak	



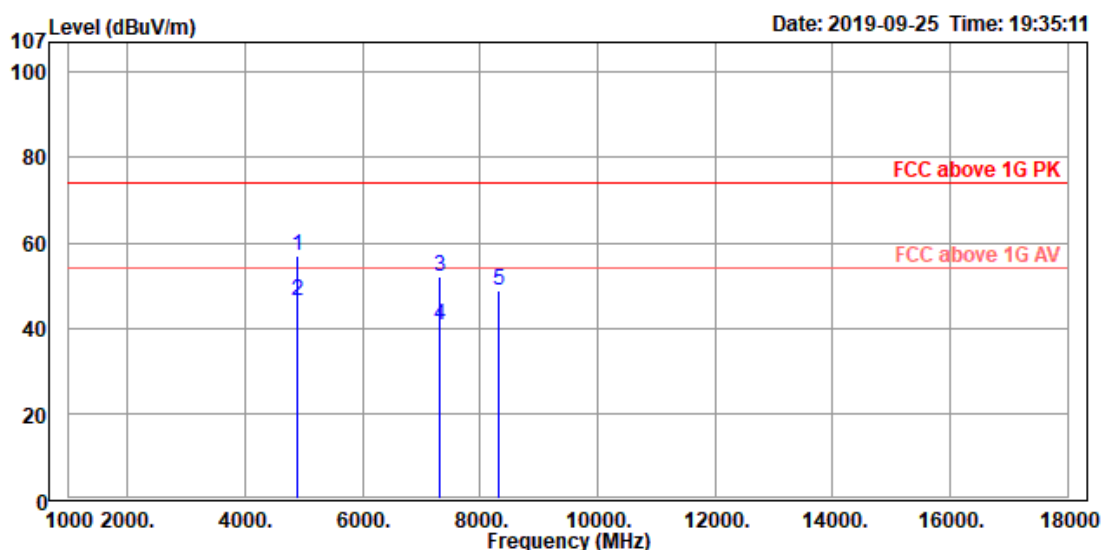
Site : 966A Chamber A  
Condition : FCC above 1G PK 3m horizontal  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 3DH5-TX-2402  
Memo : X(Side stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4804.000	58.06	-3.54	54.52	74.00	-19.48	100	117	Peak	
2	4804.000	49.82	-3.54	46.28	54.00	-7.72	100	117	Average	
3	7206.000	51.56	4.33	55.89	74.00	-18.11	100	132	Peak	
4	7206.000	40.84	4.33	45.17	54.00	-8.83	100	132	Average	
5	8144.928	43.06	5.05	48.11	74.00	-25.89	100	183	Peak	



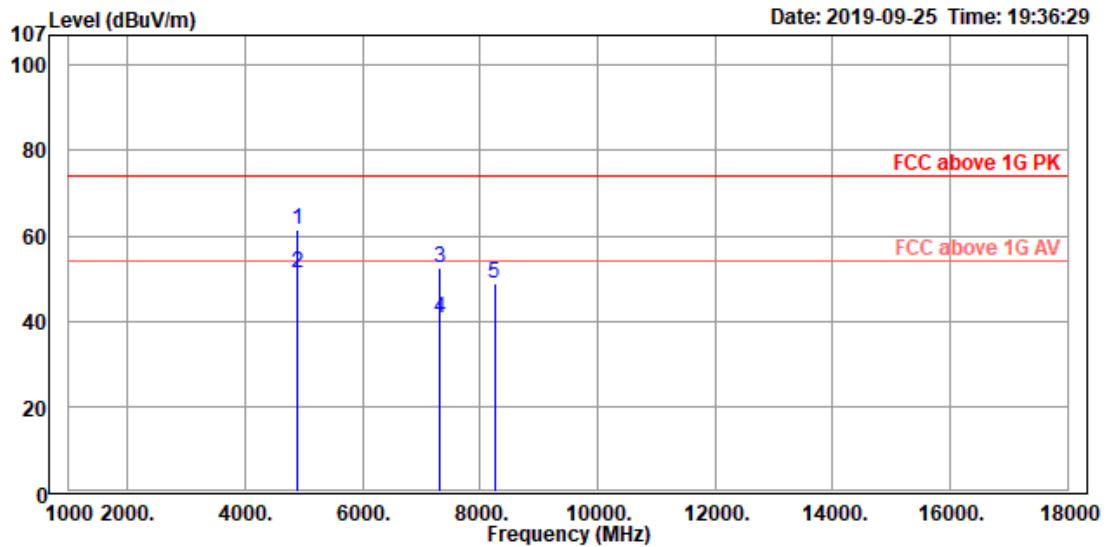
Site : 966A Chamber A  
Condition : FCC above 1G PK 3m vertical  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 3DH5-TX-2402  
Memo : X(Side stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4804.000	60.89	-3.54	57.35	74.00	-16.65	100	268	Peak	
2	4804.000	51.71	-3.54	48.17	54.00	-5.83	100	268	Average	
3	7206.000	50.13	4.33	54.46	74.00	-19.54	100	259	Peak	
4	7206.000	39.92	4.33	44.25	54.00	-9.75	100	259	Average	
5	8144.928	43.97	5.05	49.02	74.00	-24.98	100	178	Peak	



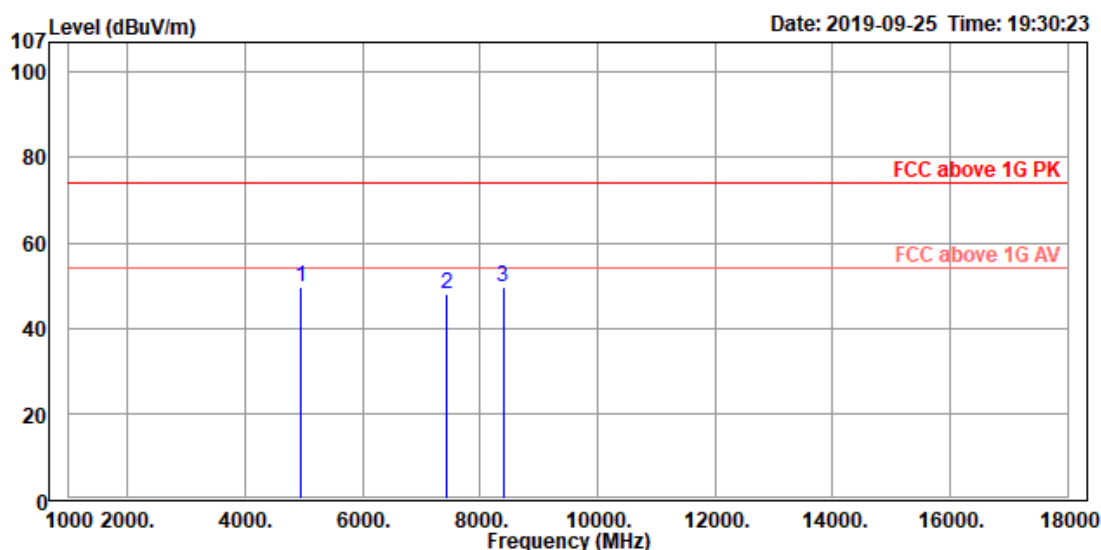
Site : 966A Chamber A  
Condition : FCC above 1G PK 3m horizontal  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 3DH5-TX-2441  
Memo : X(Side stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4882.000	60.25	-3.44	56.81	74.00	-17.19	100	278	Peak	
2	4882.000	49.91	-3.44	46.47	54.00	-7.53	100	278	Average	
3	7323.000	47.59	4.57	52.16	74.00	-21.84	100	15	Peak	
4	7323.000	36.29	4.57	40.86	54.00	-13.14	100	15	Average	
5	8317.392	43.69	5.29	48.98	74.00	-25.02	100	57	Peak	



Site : 966A Chamber A  
Condition : FCC above 1G PK 3m vertical  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 3DH5-TX-2441  
Memo : X(Side stand)

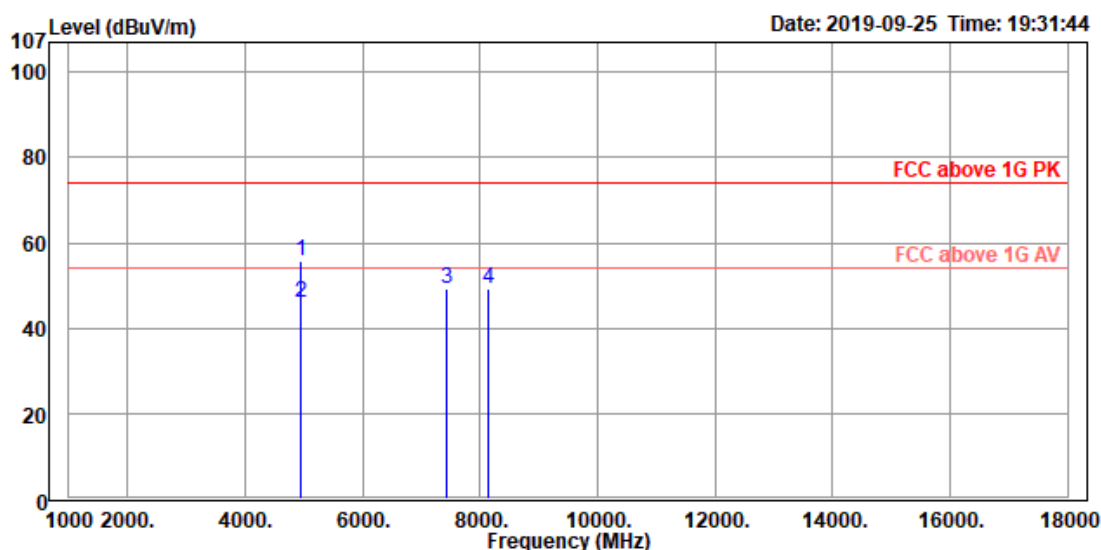
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4882.000	64.94	-3.44	61.50	74.00	-12.50	100	274	Peak	
2	4882.000	54.53	-3.44	51.09	54.00	-2.91	100	274	Average	
3	7323.000	47.85	4.57	52.42	74.00	-21.58	100	360	Peak	
4	7323.000	35.92	4.57	40.49	54.00	-13.51	100	360	Average	
5	8243.479	43.73	5.20	48.93	74.00	-25.07	100	350	Peak	



Site : 966A Chamber A  
Condition : FCC above 1G PK 3m horizontal  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,0,0  
Mode : 3DH5-TX-2480  
Memo : X(Side stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4960.000	53.15	-3.32	49.83	74.00	-24.17	100	278	Peak	
2	7440.000	43.30	4.90	48.20	74.00	-25.80	100	18	Peak	
3	8391.305	44.13	5.42	49.55	74.00	-24.45	100	241	Peak	





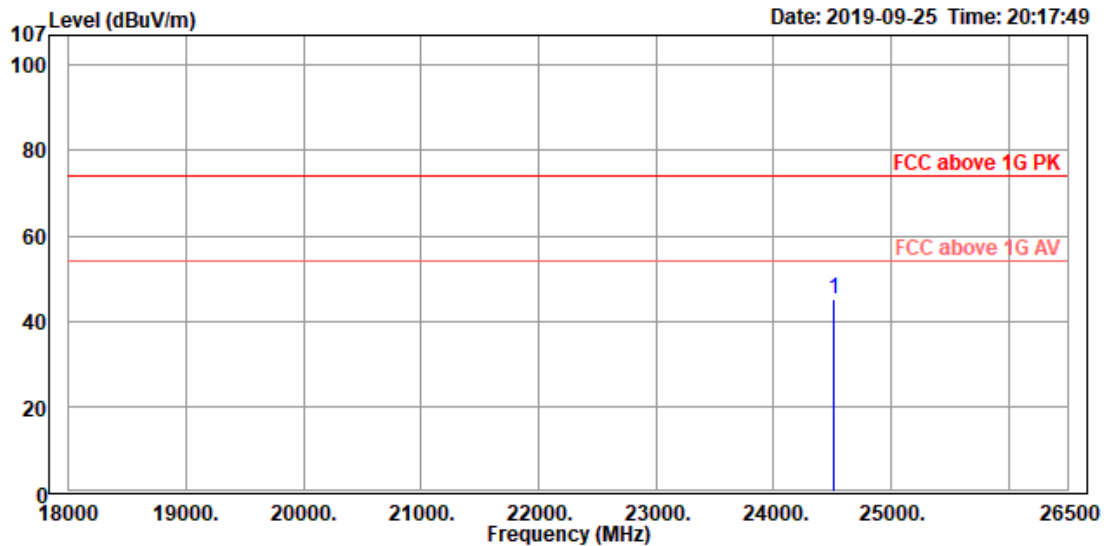
Site : 966A Chamber A  
Condition : FCC above 1G PK 3m vertical  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,0,0  
Mode : 3DH5-TX-2480  
Memo : X(Side stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	4960.000	58.87	-3.32	55.55	74.00	-18.45	100	275	Peak	
2	4960.000	49.24	-3.32	45.92	54.00	-8.08	100	275	Average	
3	7440.000	44.29	4.90	49.19	74.00	-24.81	100	21	Peak	
4	8144.928	44.13	5.05	49.18	74.00	-24.82	100	258	Peak	

## Spurious Emissions, TX Mode, 18GHz-26.5GHz

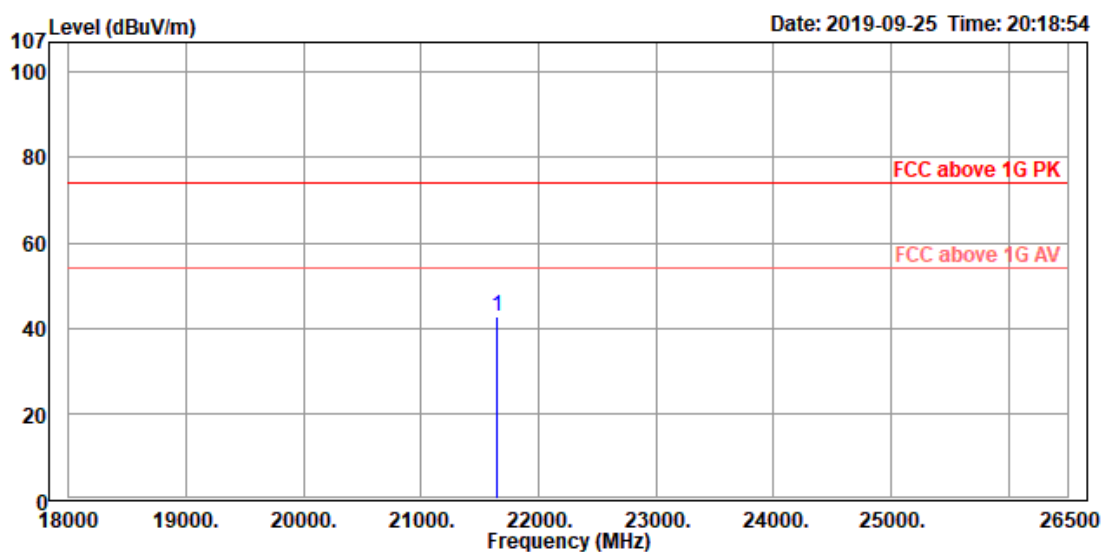


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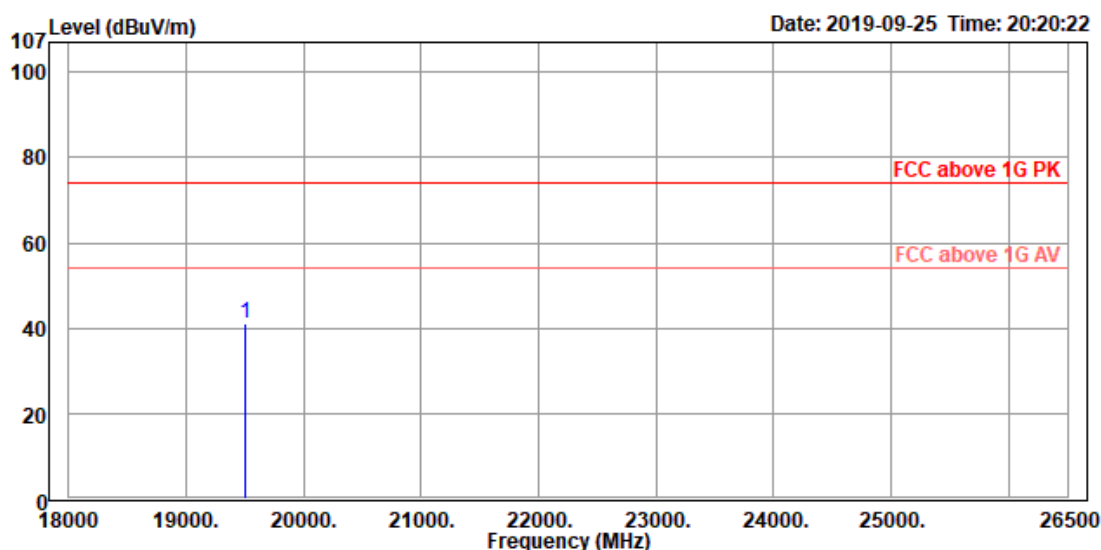
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Condition : FCC above 1G PK 3m horizontal  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 1DH5-TX-2402  
Memo : X(Side stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	24516.670	43.67	1.35	45.02	74.00	-28.98	100	40	Peak	



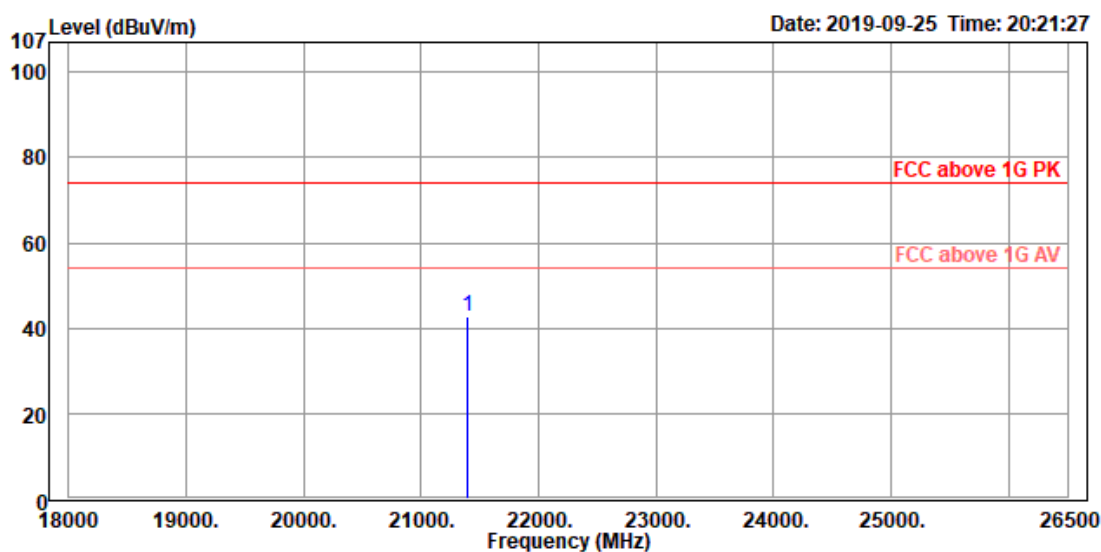
Site : 966A Chamber A  
Condition : FCC above 1G PK 3m vertical  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 1DH5-TX-2402  
Memo : X(Side stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	21646.380	43.18	-0.50	42.68	74.00	-31.32	100	42	Peak	



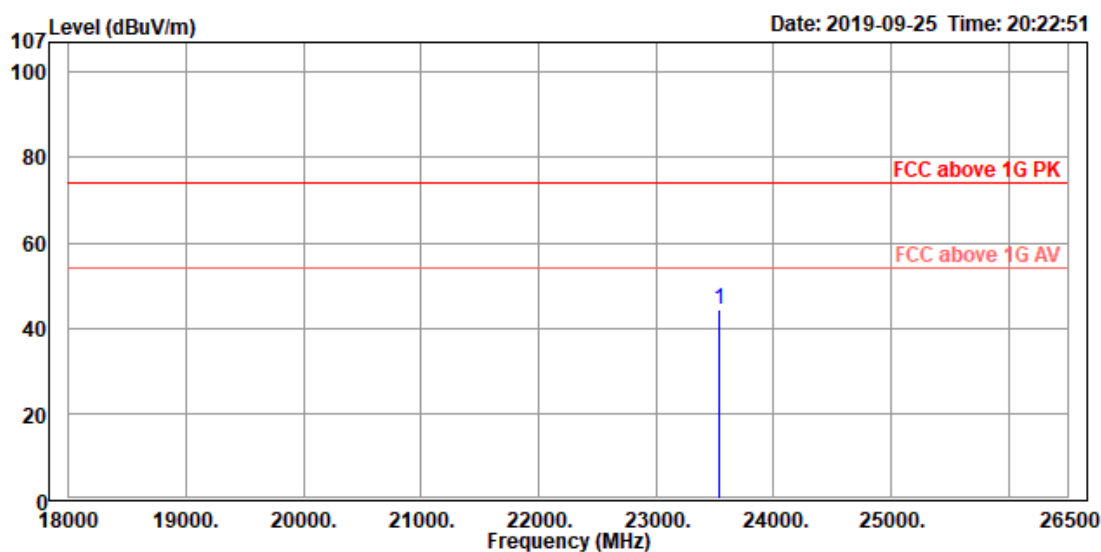
Site : 966A Chamber A  
 Condition : FCC above 1G PK 3m horizontal  
 Test Engineer: Kevin Kuo  
 Product : Bluetooth Headset  
 Model No. : BHC 539  
 Test Rating : 5 Vdc  
 Tmp/Hum : 20°C / 51%  
 Power Setting: 2,5,0  
 Mode : 1DH5-TX-2441  
 Memo : X(Side stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	19502.900	43.80	-2.59	41.21	74.00	-32.79	100	159	Peak	



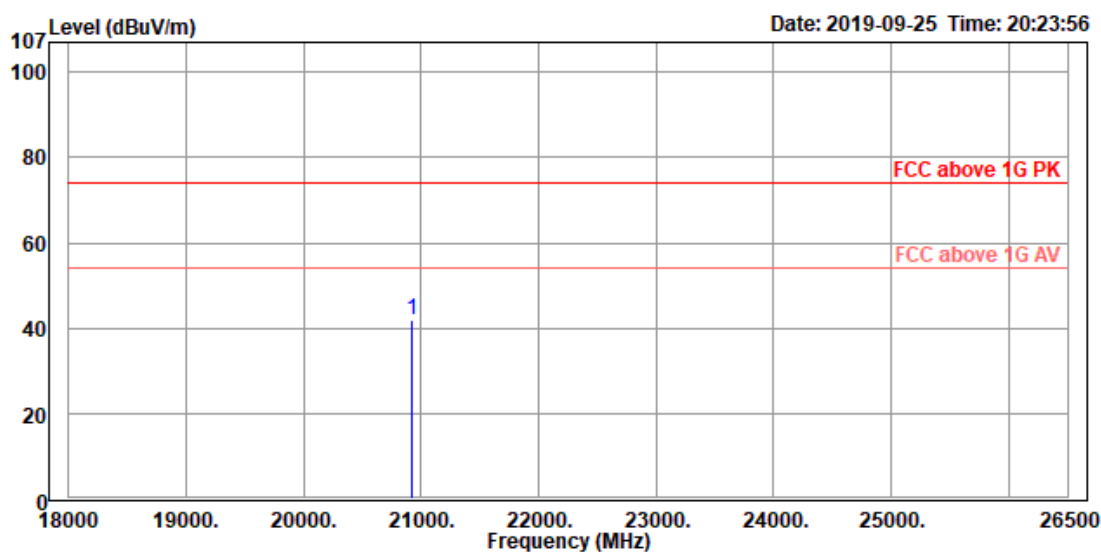
Site : 966A Chamber A  
Condition : FCC above 1G PK 3m vertical  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 1DH5-TX-2441  
Memo : X(Side stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	21400.000	42.94	-0.42	42.52	74.00	-31.48	100	101	Peak	



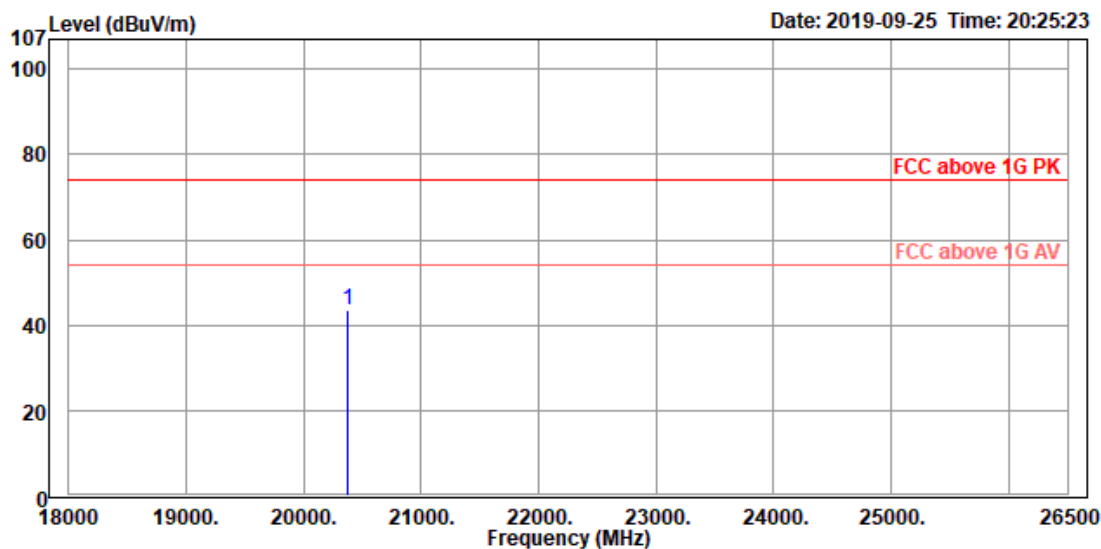
Site : 966A Chamber A  
Condition : FCC above 1G PK 3m horizontal  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 1DH5-TX-2480  
Memo : X(Side stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	23531.160	43.14	1.08	44.22	74.00	-29.78	100	82	Peak	



Site : 966A Chamber A  
Condition : FCC above 1G PK 3m vertical  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 1DH5-TX-2480  
Memo : X(Side stand)

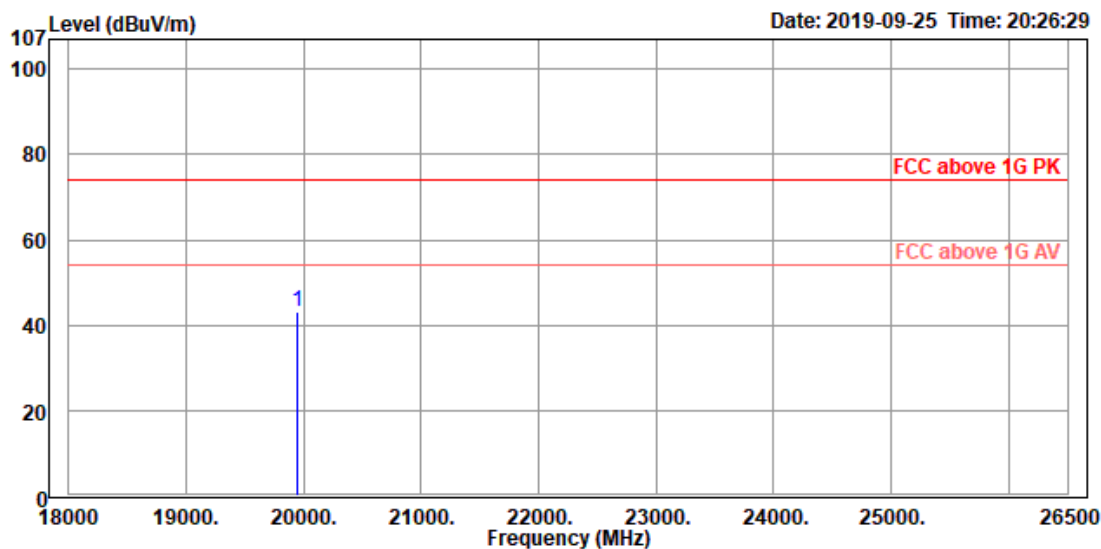
	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	20919.560	42.59	-0.81	41.78	74.00	-32.22	100	38	Peak	



Site : 966A Chamber A  
Condition : FCC above 1G PK 3m horizontal  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 3DH5-TX-2402  
Memo : X(Side stand)

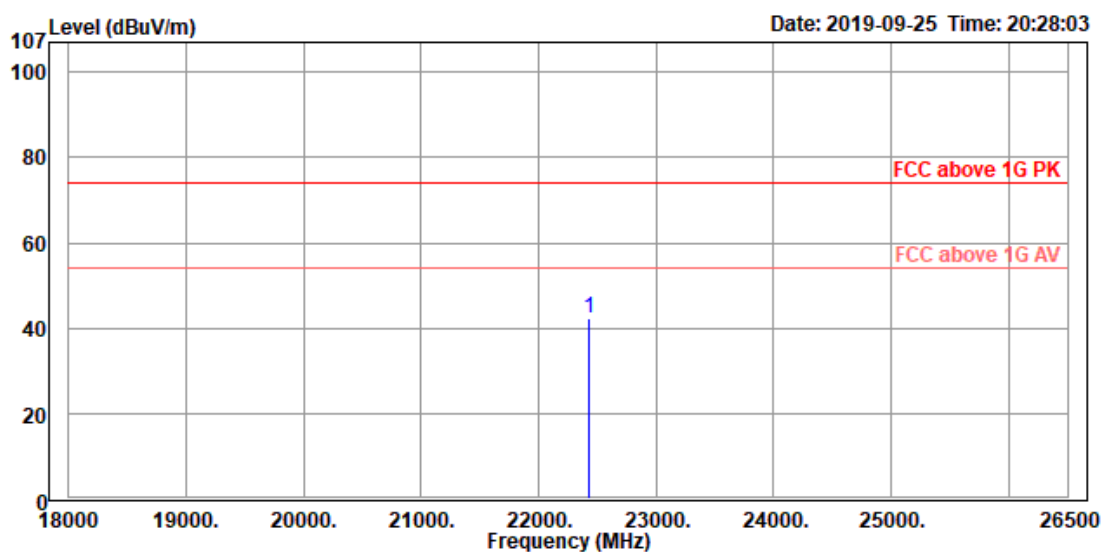
	Read		Limit	Over	APos	TPos		
Freq	Level	Factor	Level	Line	Limit		Remark	Note
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1 20377.540	44.25	-0.92	43.33	74.00	-30.67	100	70	Peak





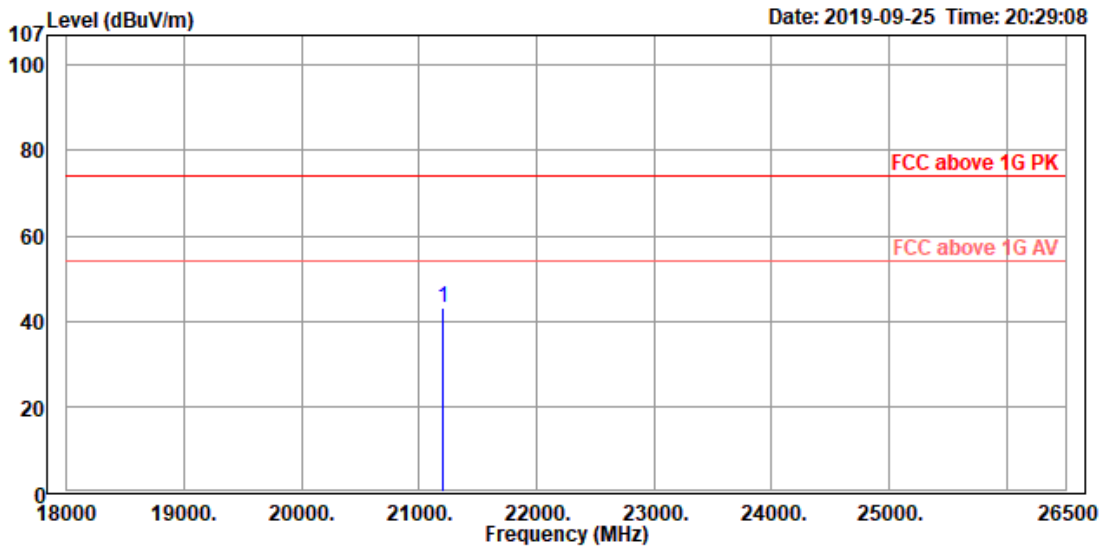
Site : 966A Chamber A  
Condition : FCC above 1G PK 3m vertical  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 3DH5-TX-2402  
Memo : X(Side stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	19946.380	44.84	-1.88	42.96	74.00	-31.04	100	166	Peak	



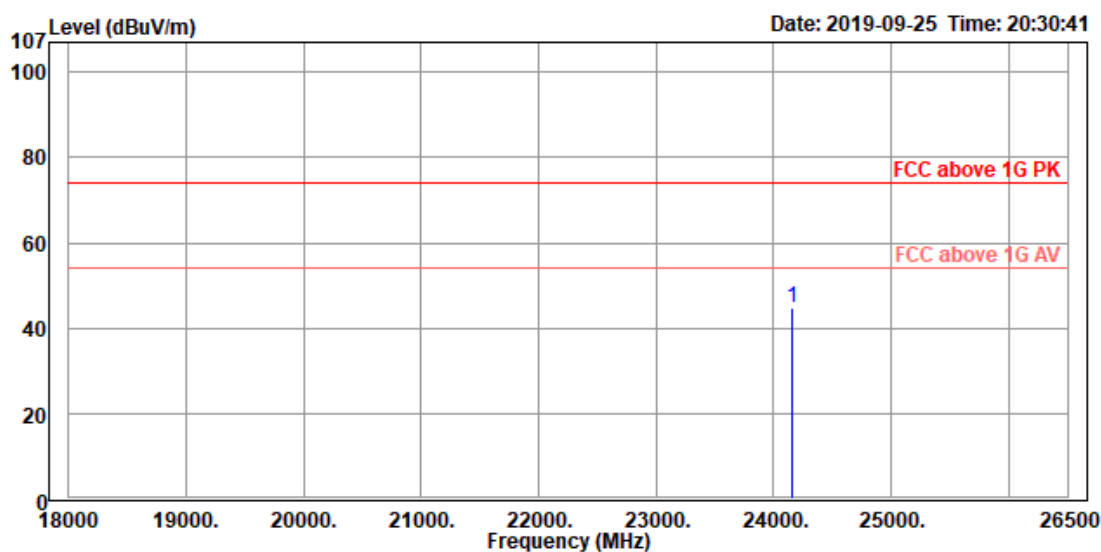
Site : 966A Chamber A  
Condition : FCC above 1G PK 3m horizontal  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,5,0  
Mode : 3DH5-TX-2441  
Memo : X(Side stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	22422.460	42.31	-0.13	42.18	74.00	-31.82	100	226	Peak	



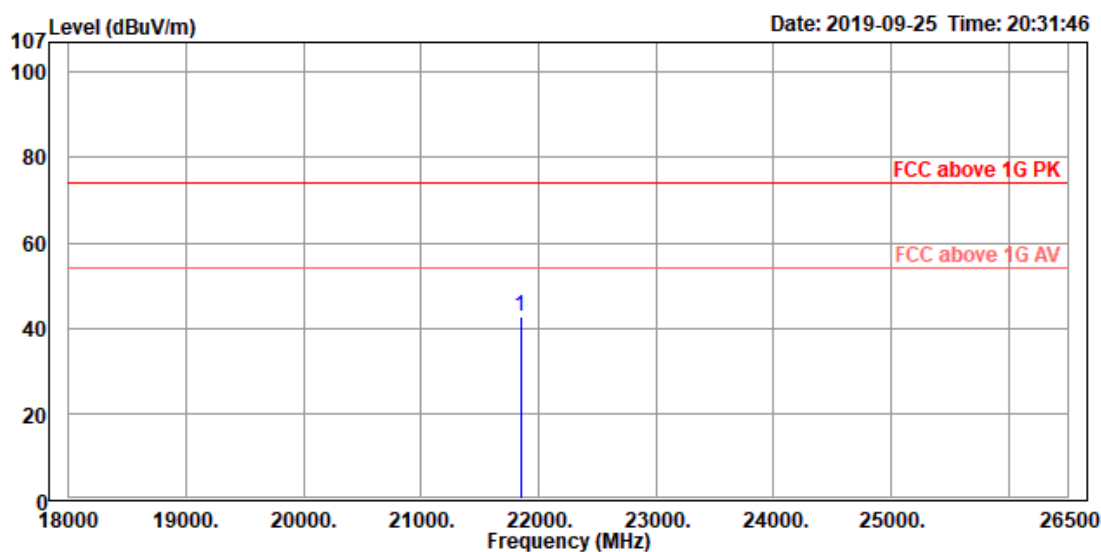
Site : 966A Chamber A  
 Condition : FCC above 1G PK 3m vertical  
 Test Engineer: Kevin Kuo  
 Product : Bluetooth Headset  
 Model No. : BHC 539  
 Test Rating : 5 Vdc  
 Tmp/Hum : 20°C / 51%  
 Power Setting: 2,5,0  
 Mode : 3DH5-TX-2441  
 Memo : X(Side stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	21202.900	43.70	-0.40	43.30	74.00	-30.70	100	327	Peak	



Site : 966A Chamber A  
Condition : FCC above 1G PK 3m horizontal  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,0,0  
Mode : 3DH5-TX-2480  
Memo : X(Side stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	24159.420	43.50	1.39	44.89	74.00	-29.11	100	0	Peak	



Site : 966A Chamber A  
Condition : FCC above 1G PK 3m vertical  
Test Engineer: Kevin Kuo  
Product : Bluetooth Headset  
Model No. : BHC 539  
Test Rating : 5 Vdc  
Tmp/Hum : 20°C / 51%  
Power Setting: 2,0,0  
Mode : 3DH5-TX-2480  
Memo : X(Side stand)

	Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark	Note
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	21843.480	43.12	-0.46	42.66	74.00	-31.34	100	224	Peak	

