

Test Report No.50289620 001

Appendix D: Radiated and Mains Spurious Emission Data

(File: 50289620 001 AppendixD)

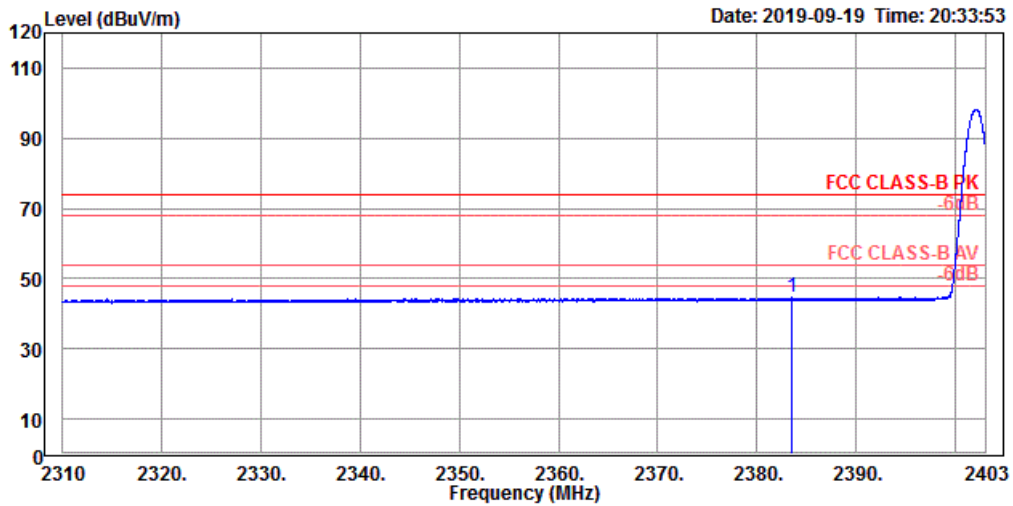
Contents

Spurious Emissions, Band Edges	3
Spurious Emissions, TX Mode, 9kHz-30MHz.....	19
Spurious Emissions, TX Mode, 30MHz-1GHz.....	23
Spurious Emissions, TX Mode, 1GHz-18GHz.....	27
Spurious Emissions, TX Mode, 18GHz-26.5GHz.....	37

Spurious Emissions, Band Edges

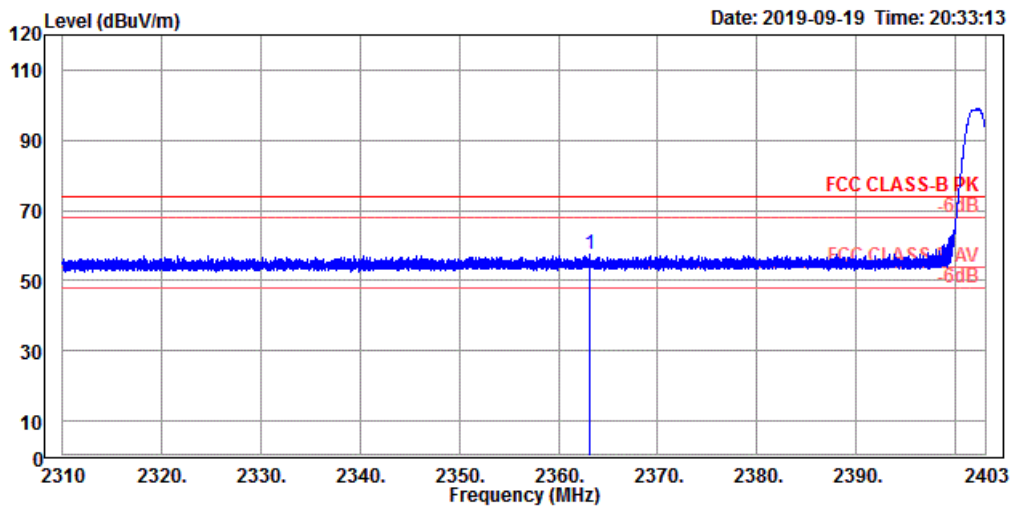


TUV Rheinland Taiwan Ltd.
 11F., No. 758, Sec. 4 Bade Road. Songshan Dist, Taipei City 105
 Tel:+886-2172-7000 Fax:+886-2528-0018



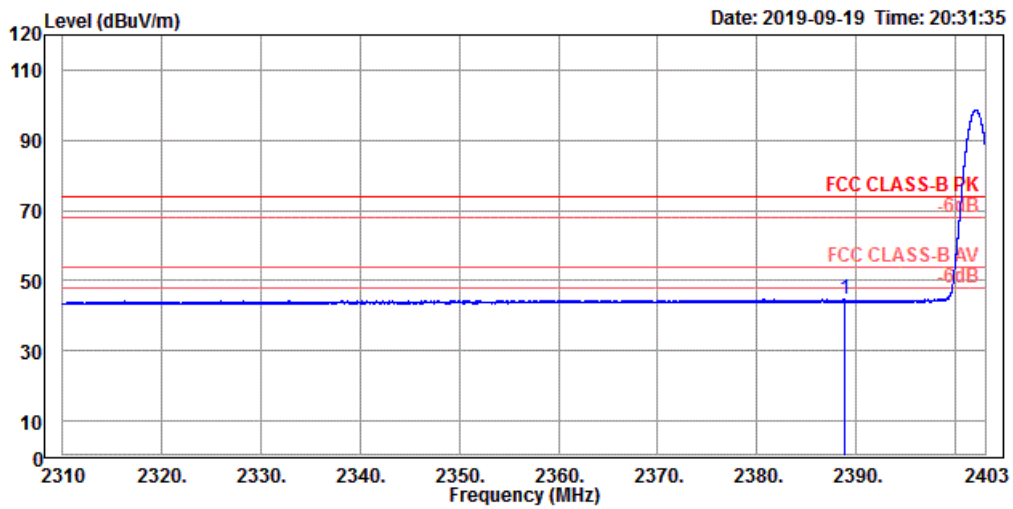
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Horizontal
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 1M_TX_2402MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read	Limit	Over	APos	TPos	Remark
Freq	Level	Factor	Level	Line	Limit	
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm deg
1 2383.478	6.59	38.06	44.65	54.00	-9.35	182 151 Average



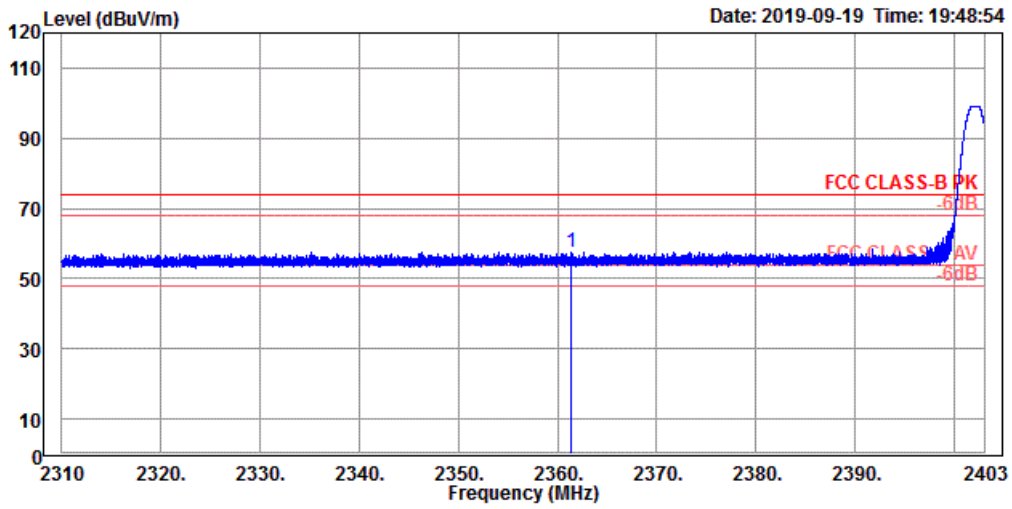
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Horizontal
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 1M_TX_2402MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read	Limit	Over	APos	TPos	Remark
Freq	Level	Factor	Level	Line	Limit	
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm deg
1	2363.204	19.47	38.04	57.51	74.00	-16.49 182 151 Peak



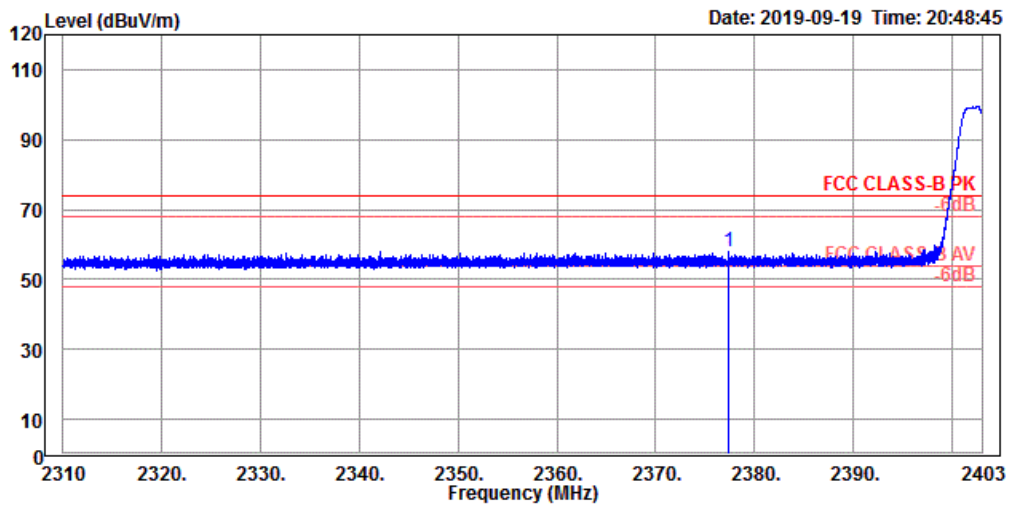
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Vertical
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 1M_TX_2402MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read	Limit	Over	APos	TPos	Remark			
Freq	Level	Factor	Level	Line	Limit				
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	2388.794	6.83	38.07	44.90	54.00	-9.10	227	105	Average



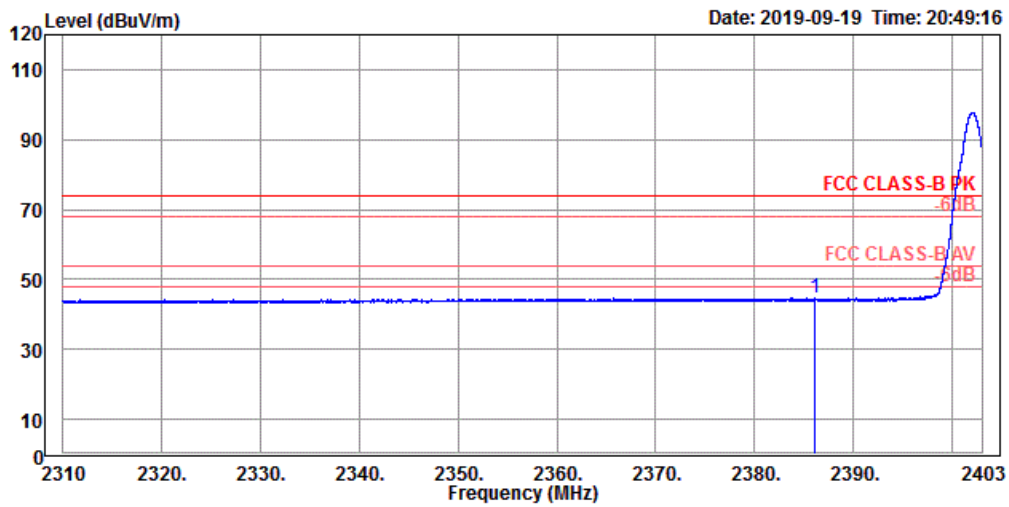
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Vertical
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 1M_TX_2402MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read	Limit	Over	APos	TPos	Remark
Freq	Level	Factor	Level	Line	Limit	
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm deg
1	2361.290	19.65	38.03	57.68	74.00	-16.32 227 105 Peak



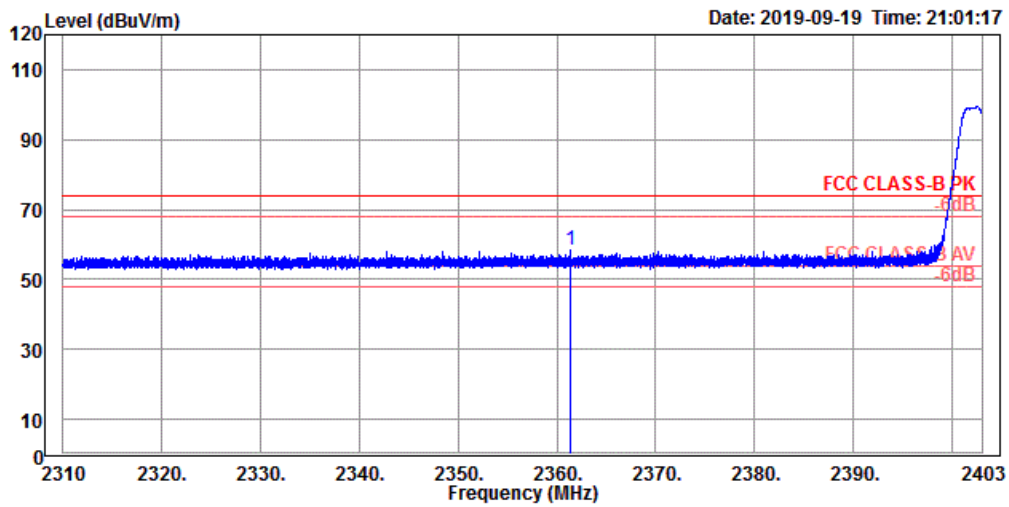
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Horizontal
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 2M_TX_2402MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read	Limit	Over	APos	TPos	Remark			
Freq	Level	Factor	Level	Line	Limit				
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm			
1	2377.347	20.02	38.06	58.08	74.00	-15.92	278	25	Peak



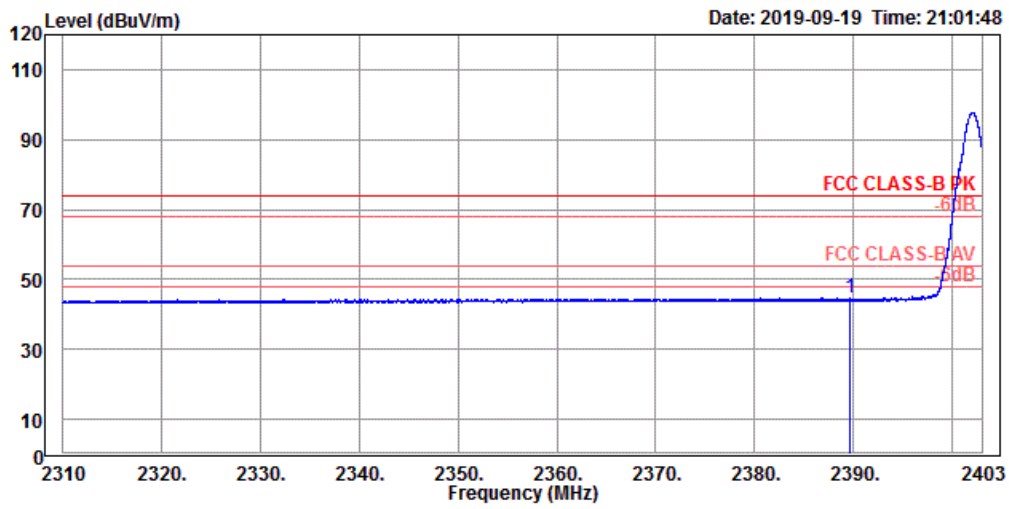
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Horizontal
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 2M_TX_2402MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read	Limit	Over	APos	TPos	Remark
Freq	Level	Factor	Level	Line	Limit	
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm deg
1	2386.144	6.52	38.07	44.59	54.00	-9.41 278 25 Average



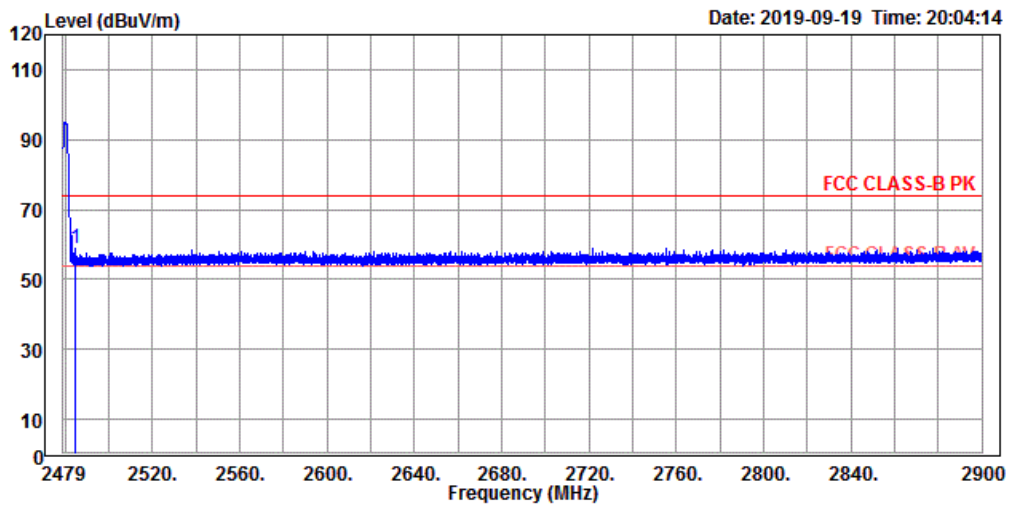
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Vertical
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 2M_TX_2402MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read		Limit	Over	APos	TPos	
Freq	Level	Factor	Level	Line	Limit		Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	2361.375	20.25	38.03	58.28	74.00	-15.72	226 101 Peak



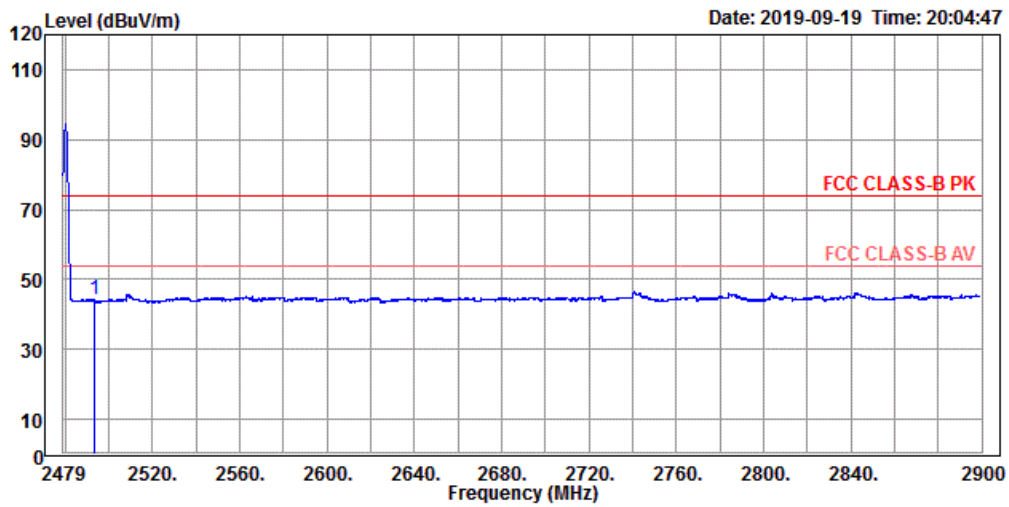
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Vertical
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 2M_TX_2402MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read	Limit	Over	APos	TPos	Remark			
Freq	Level	Factor	Level	Line	Limit				
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg		
1	2389.600	6.62	38.07	44.69	54.00	-9.31	226	101	Average



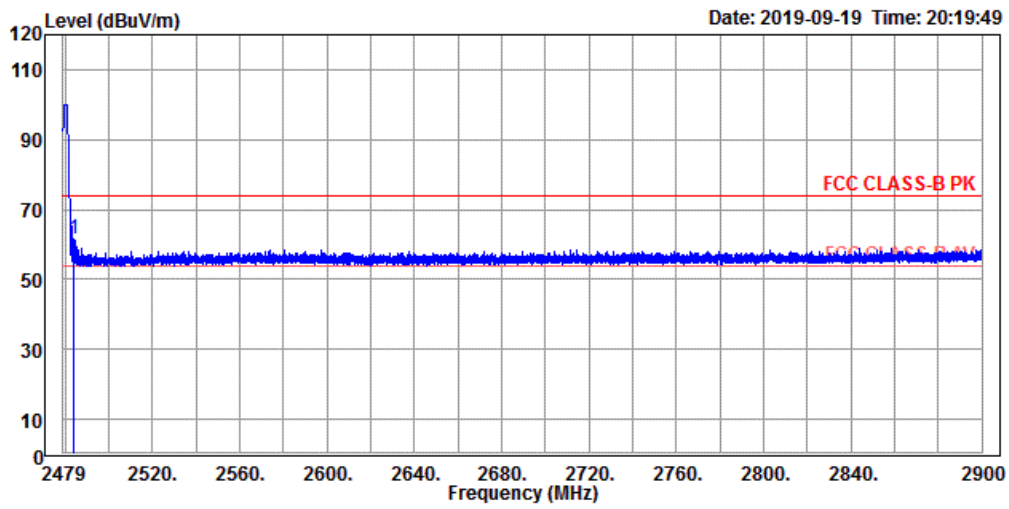
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Vertical
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 1M_TX_2480MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read		Limit	Over	APos	TPos	Remark
Freq	Level	Factor	Level	Line	Limit		
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	2484.333	20.26	38.47	58.73	74.00	-15.27	123 216 Peak



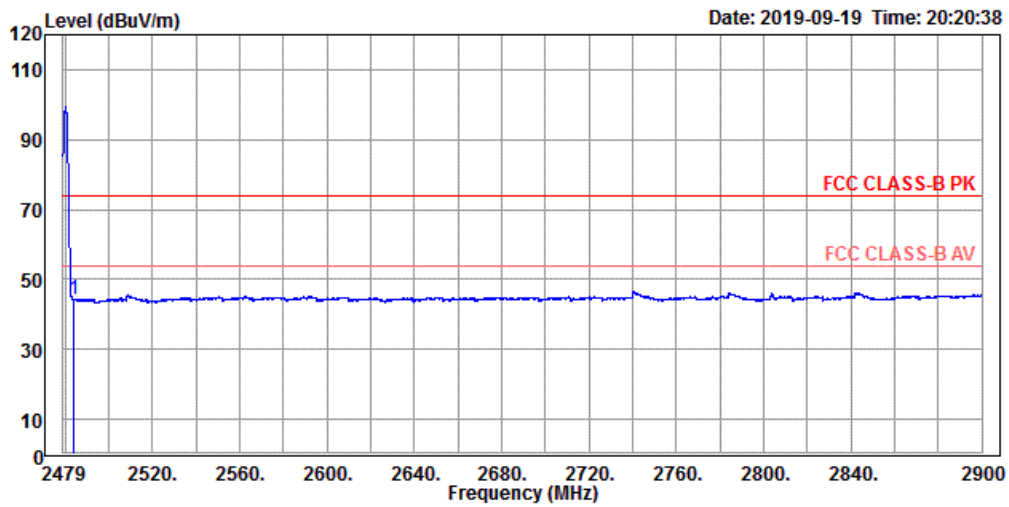
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Vertical
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 1M_TX_2480MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read		Limit	Over	APos	TPos	
Freq	Level	Factor	Level	Line	Limit		Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1 2492.963	5.87	38.50	44.37	54.00	-9.63	123	216 Average



Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Horizontal
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 1M_TX_2480MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read		Limit	Over	APos	TPos	
Freq	Level	Factor	Level	Line	Limit		Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	2483.596	22.98	38.47	61.45	74.00	-12.55	136 158 Peak

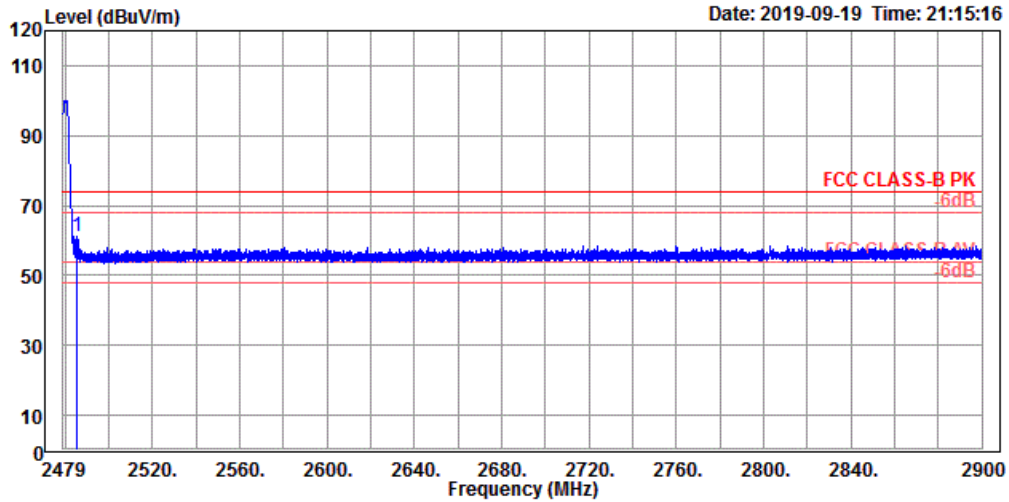


Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Horizontal
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 1M_TX_2480MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read		Limit	Over	APos	TPos	
Freq	Level	Factor	Level	Line	Limit		Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1 2483.596	6.01	38.47	44.48	54.00	-9.52	136	158 Average

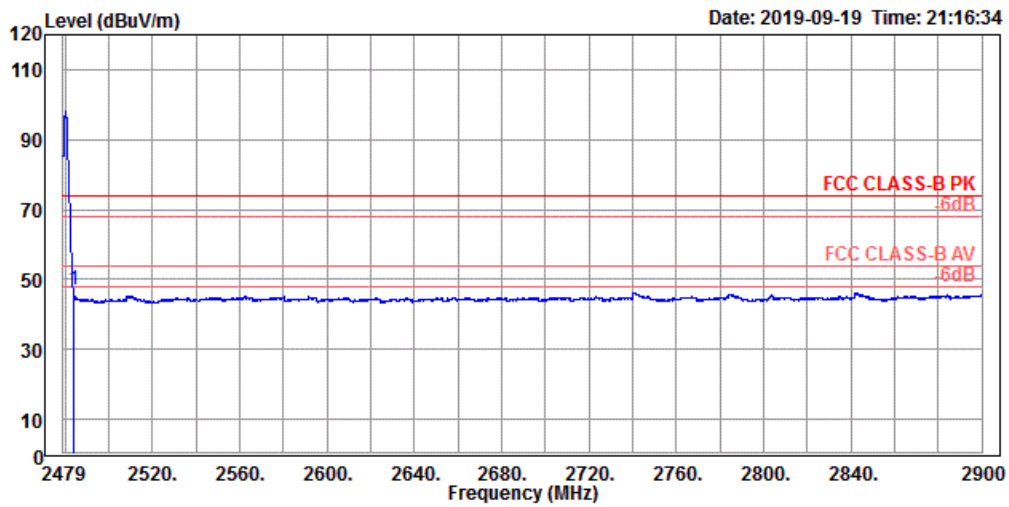


TUV Rheinland Taiwan Ltd.
 11F., No. 758, Sec. 4 Bade Road, Songshan Dist, Taipei City 105
 Tel: +886-2172-7000 Fax: +886-2528-0018



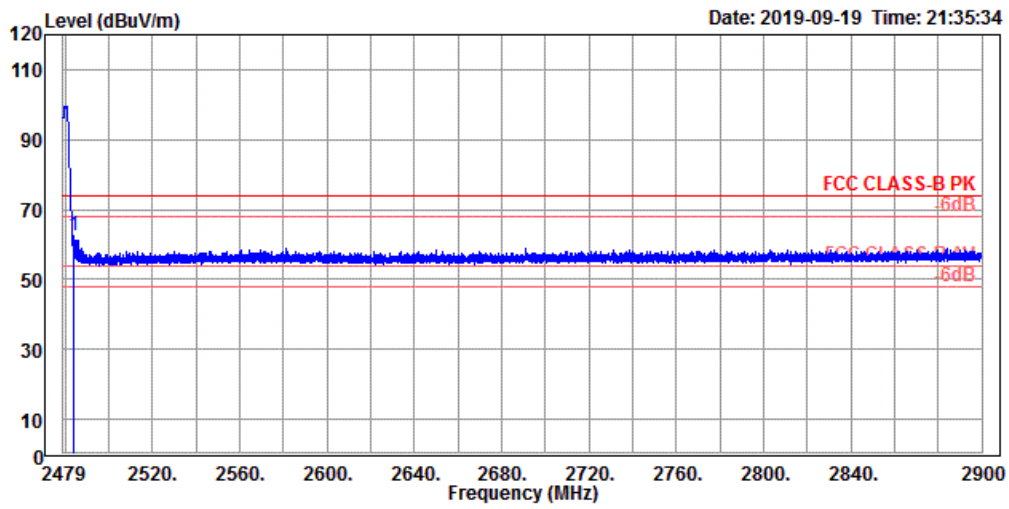
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Horizontal
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 2M_TX_2480MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read	Limit	Over	APos	TPos	Remark		
Freq	Level	Factor	Level	Line	Limit			
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1 2485.104	22.83	38.47	61.30	74.00	-12.70	137	150	Peak



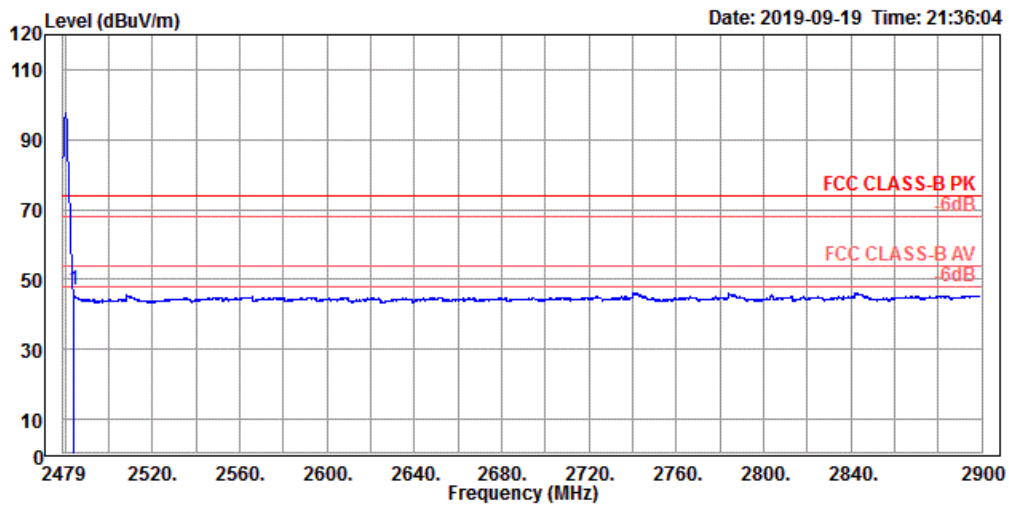
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Horizontal
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 2M_TX_2480MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read		Limit	Over	APos	TPos	
Freq	Level	Factor	Level	Line	Limit		Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1 2483.456	8.73	38.47	47.20	54.00	-6.80	137	150 Average



Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Vertical
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 2M_TX_2480MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read	Limit	Over	APos	TPos	Remark
Freq	Level	Factor	Level	Line	Limit	
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm deg
1 2483.947	24.00	38.47	62.47	74.00	-11.53	295 111 Peak



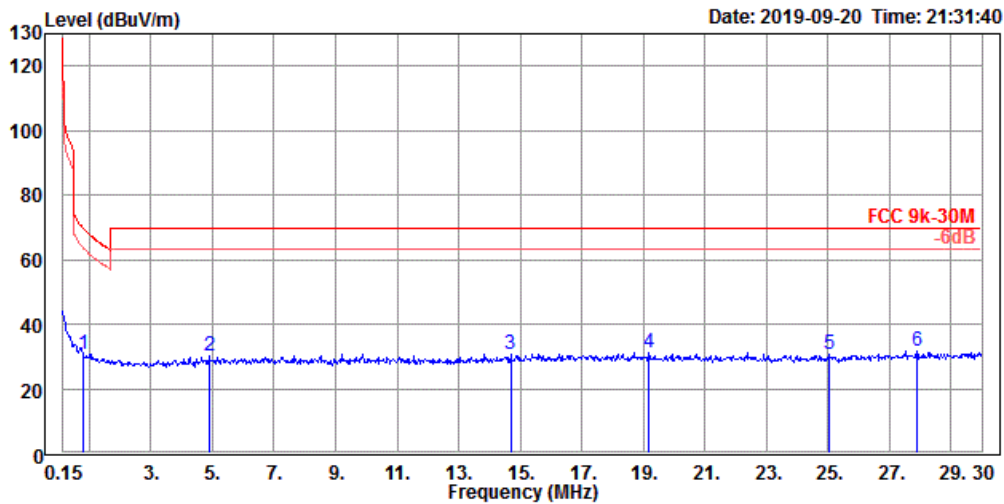
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Vertical
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 2M_TX_2480MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read		Limit	Over	APos	TPos	
Freq	Level	Factor	Level	Line	Limit		Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1 2483.456	8.46	38.47	46.93	54.00	-7.07	295	111 Average

Spurious Emissions, TX Mode, 9kHz-30MHz

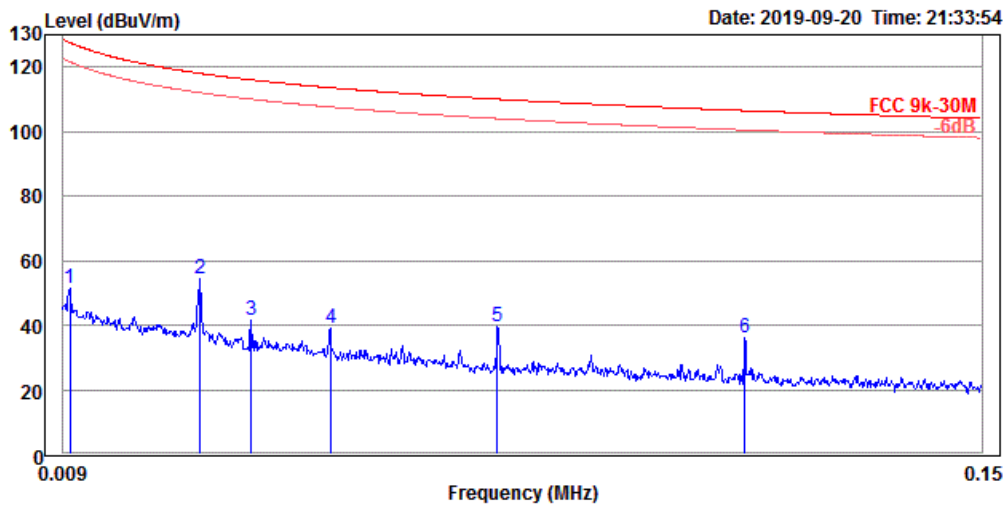


TUV Rheinland Taiwan Ltd.
 11F., No. 758, Sec. 4 Bade Road, Songshan Dist, Taipei City 105
 Tel: +886-2172-7000 Fax: +886-2528-0018



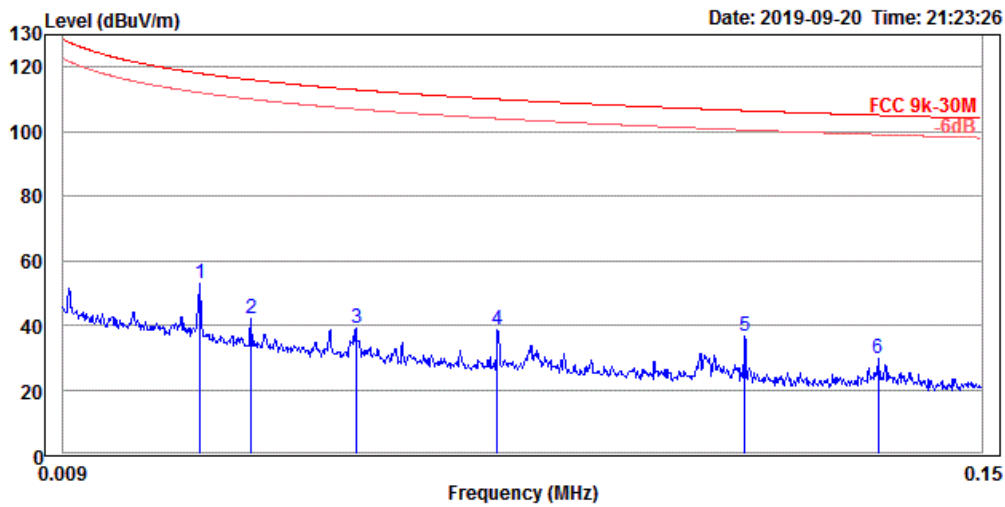
Site : 966B Chamber B
 Condition : FCC 9k-30M 3m Horizontal
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 1M_TX_2440MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1	0.807	12.32	18.51	30.83	69.48	-38.65	100	55	QP
2	4.896	10.96	19.25	30.21	69.50	-39.29	100	85	QP
3	14.687	9.79	20.79	30.58	69.50	-38.92	97	360	QP
4	19.194	10.10	21.23	31.33	69.50	-38.17	99	360	QP
5	25.045	8.95	21.54	30.49	69.50	-39.01	100	124	QP
6	27.911	10.00	21.68	31.68	69.50	-37.82	100	101	QP



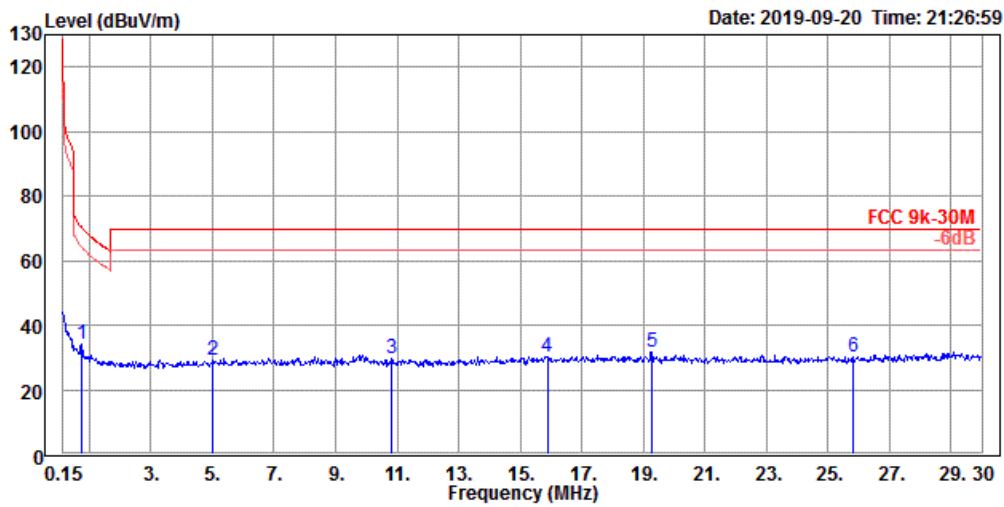
Site : 966B Chamber B
 Condition : FCC 9k-30M 3m Horizontal
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 1M_TX_2440MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read	Limit	Over	APos	TPos	Remark
Freq	Level	Factor	Level	Line	Limit	
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm deg
1	0.010	33.26	18.03	51.29	127.60	-76.31 100 44 QP
2	0.030	35.30	18.93	54.23	118.09	-63.86 100 101 QP
3	0.038	22.72	18.91	41.63	116.05	-74.42 100 54 QP
4	0.050	19.98	18.85	38.83	113.61	-74.78 100 62 QP
5	0.076	21.13	18.23	39.36	110.01	-70.65 100 131 QP
6	0.114	18.18	17.70	35.88	106.49	-70.61 100 174 QP



Site : 966B Chamber B
 Condition : FCC 9k-30M 3m Horizontal
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 2M_TX_2440MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read Freq	Read Level	Factor	Level	Limit	Over Limit	APos	TPos	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1	0.030	33.80	18.93	52.73	118.09	-65.36	100	21	QP
2	0.038	22.86	18.91	41.77	116.05	-74.28	100	12	QP
3	0.054	20.06	18.75	38.81	112.95	-74.14	100	74	QP
4	0.076	20.39	18.23	38.62	110.01	-71.39	100	105	QP
5	0.114	18.65	17.70	36.35	106.49	-70.14	100	66	QP
6	0.134	12.03	17.79	29.82	105.05	-75.23	100	118	QP



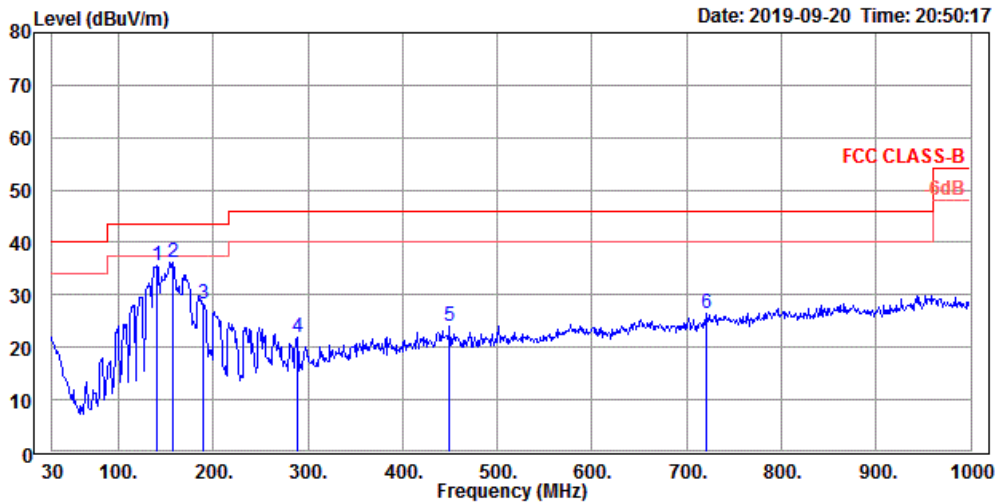
Site : 966B Chamber B
 Condition : FCC 9k-30M 3m Horizontal
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 2M_TX_2440MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read	Limit	Over	APos	TPos	Remark
Freq	Level	Factor	Level	Line	Limit	
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm deg
1	0.747	15.44	18.48	33.92	70.15	-36.23 100 44 QP
2	5.016	9.73	19.29	29.02	69.50	-40.48 100 78 QP
3	10.836	9.42	20.43	29.85	69.50	-39.65 100 88 QP
4	15.881	9.10	20.91	30.01	69.50	-39.49 100 96 QP
5	19.284	10.17	21.24	31.41	69.50	-38.09 100 108 QP
6	25.821	8.74	21.58	30.32	69.50	-39.18 100 59 QP

Spurious Emissions, TX Mode, 30MHz-1GHz

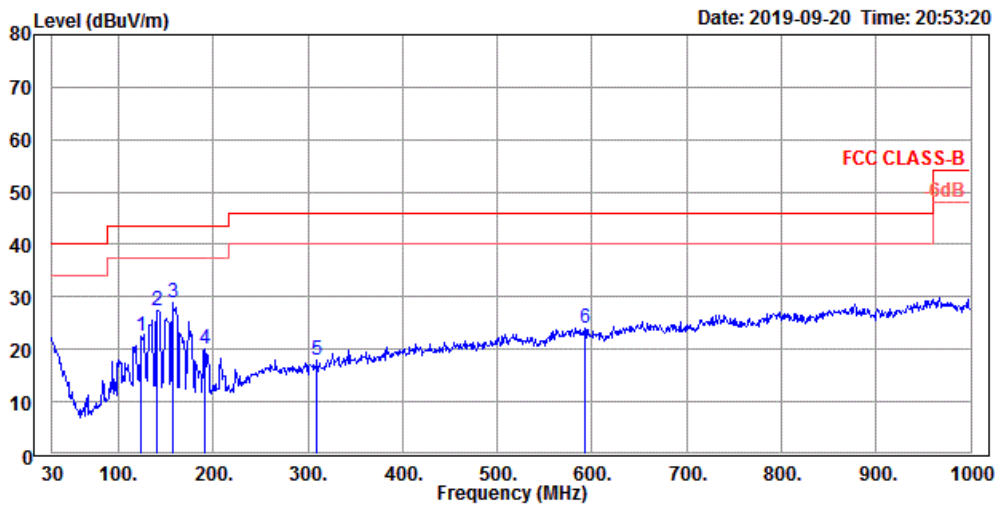


TUV Rheinland Taiwan Ltd.
 11F., No. 758, Sec. 4 Bade Road, Songshan Dist, Taipei City 105
 Tel: +886-2172-7000 Fax: +886-2528-0018



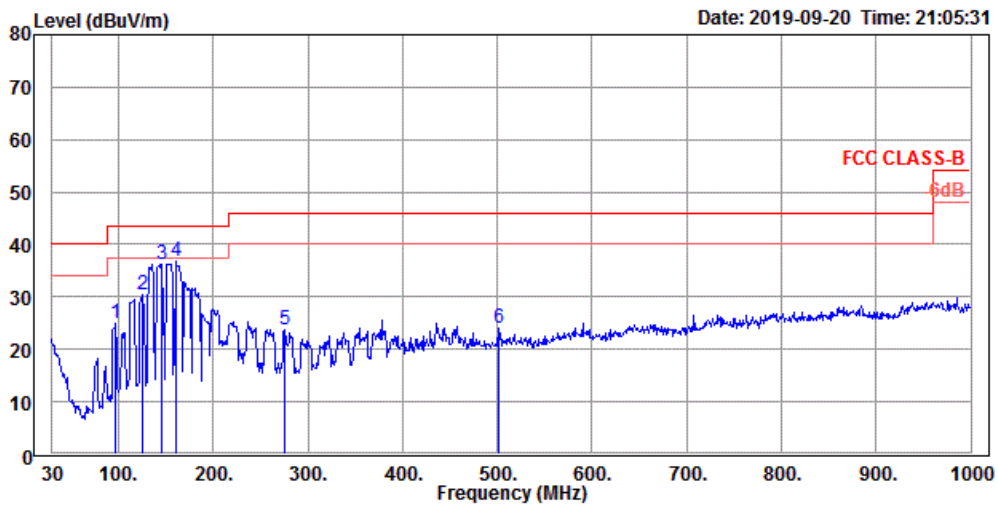
Site : 966B Chamber B
 Condition : FCC CLASS-B 3m Horizontal
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 1M_TX_2440MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read Freq	Read Level	Factor	Level	Limit	Over Limit	APos	TPos	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1	140.580	53.77	-18.24	35.53	43.50	-7.97	100	56	QP
2	158.040	54.95	-18.89	36.06	43.50	-7.44	200	178	QP
3	190.050	48.97	-20.63	28.34	43.50	-15.16	100	45	QP
4	288.990	38.17	-16.30	21.87	46.00	-24.13	100	78	QP
5	450.010	36.77	-12.78	23.99	46.00	-22.01	300	360	QP
6	721.610	35.23	-8.72	26.51	46.00	-19.49	100	98	QP



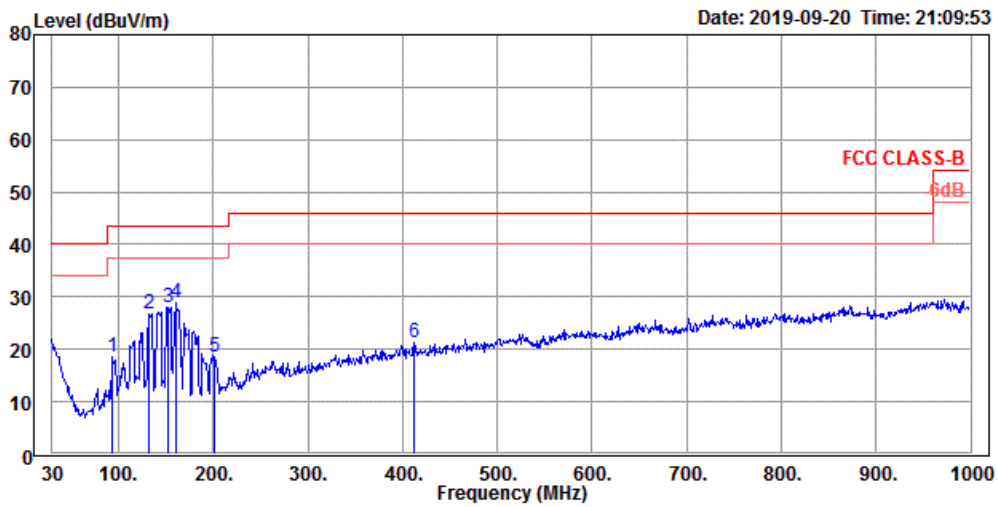
Site : 966B Chamber B
 Condition : FCC CLASS-B 3m vertical
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 1M_TX_2440MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1	124.090	40.83	-18.28	22.55	43.50	-20.95	100	152	QP
2	140.580	45.77	-18.24	27.53	43.50	-15.97	100	78	QP
3	157.070	47.66	-18.89	28.77	43.50	-14.73	200	58	QP
4	191.020	40.58	-20.63	19.95	43.50	-23.55	200	208	QP
5	309.360	33.99	-15.97	18.02	46.00	-27.98	100	199	QP
6	592.600	34.26	-10.27	23.99	46.00	-22.01	100	21	QP



Site : 966B Chamber B
 Condition : FCC CLASS-B 3m Horizontal
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 2M_TX_2440MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1	96.930	45.61	-20.63	24.98	43.50	-18.52	100	79	QP
2	126.030	48.75	-18.25	30.50	43.50	-13.00	100	111	QP
3	145.430	54.72	-18.40	36.32	43.50	-7.18	100	255	QP
4	159.980	55.94	-19.09	36.85	43.50	-6.65	100	78	QP
5	275.410	40.19	-16.58	23.61	46.00	-22.39	100	29	QP
6	501.420	35.60	-11.66	23.94	46.00	-22.06	100	93	QP



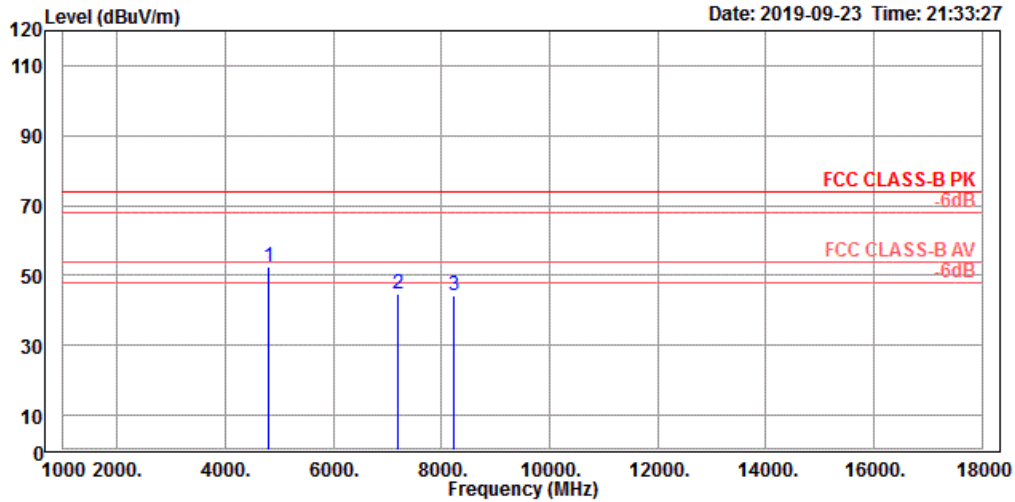
Site : 966B Chamber B
 Condition : FCC CLASS-B 3m Vertical
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 2M_TX_2440MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read Freq	Read Level	Factor	Level	Limit	Over	APos	TPos	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1	94.020	39.45	-20.95	18.50	43.50	-25.00	100	78	QP
2	131.850	44.76	-18.13	26.63	43.50	-16.87	100	72	QP
3	152.220	46.77	-18.65	28.12	43.50	-15.38	200	112	QP
4	159.980	48.10	-19.09	29.01	43.50	-14.49	200	259	QP
5	201.690	38.39	-19.88	18.51	43.50	-24.99	100	21	QP
6	412.180	34.25	-13.03	21.22	46.00	-24.78	100	133	QP

Spurious Emissions, TX Mode, 1GHz-18GHz

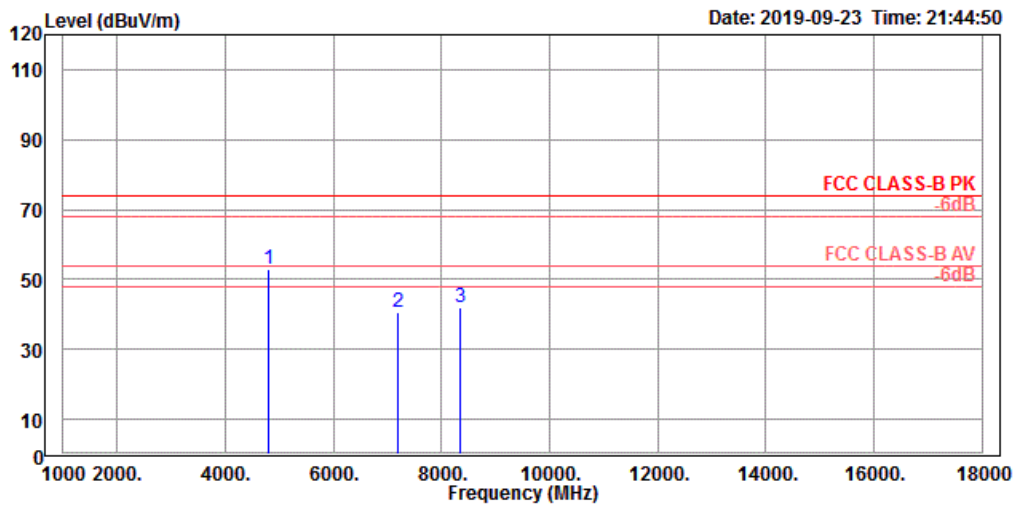


TUV Rheinland Taiwan Ltd.
 11F., No. 758, Sec. 4 Bade Road, Songshan Dist, Taipei City 105
 Tel: +886-2172-7000 Fax: +886-2528-0018



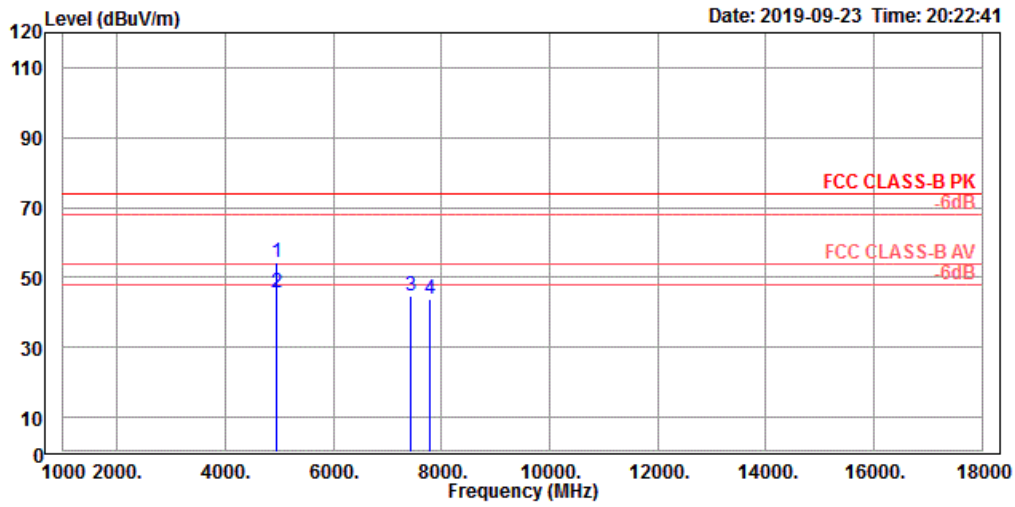
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Horizontal
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 1M_TX_2402MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read Freq	Read Level	Factor	Level	Limit	Over Limit	APos	TPos	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1	4804.000	52.51	-0.23	52.28	74.00	-21.72	184	324	Peak
2	7206.000	36.33	8.40	44.73	74.00	-29.27	159	223	Peak
3	8230.000	34.89	9.56	44.45	74.00	-29.55	110	174	Peak



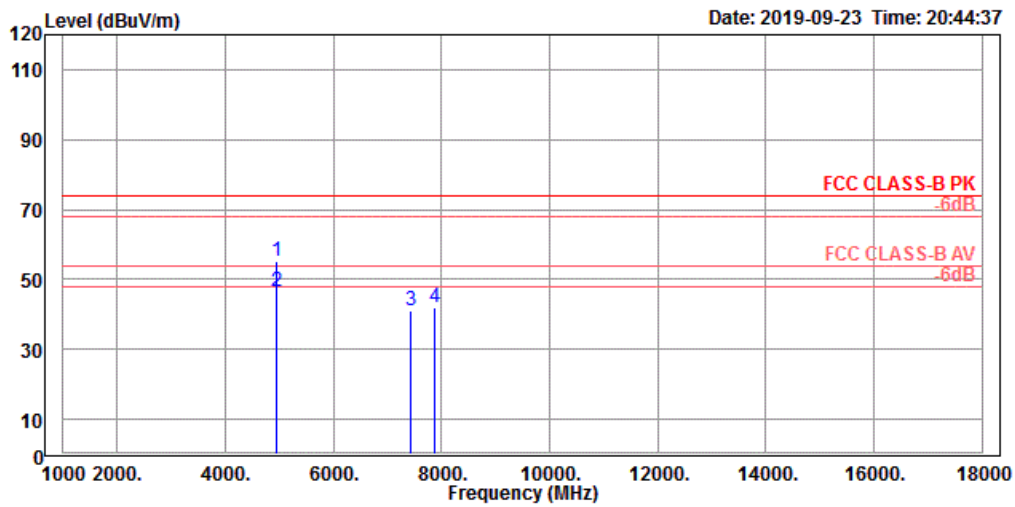
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Vertical
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 1M_TX_2402MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1	4804.000	53.22	-0.23	52.99	74.00	-21.01	114	235	Peak
2	7206.000	32.03	8.40	40.43	74.00	-33.57	166	198	Peak
3	8336.000	32.45	9.67	42.12	74.00	-31.88	132	103	Peak



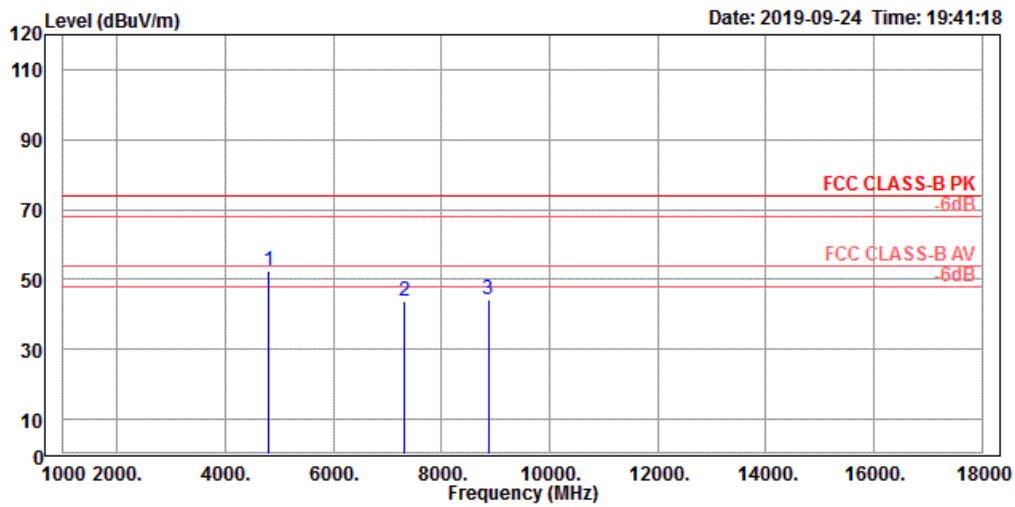
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Horizontal
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 1M_TX_2480MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read	Limit	Over	APos	TPos	Remark
Freq	Level	Factor	Level	Line	Limit	
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm deg
1	4960.000	54.14	0.07	54.21	74.00	-19.79 164 168 Peak
2	4960.000	45.46	0.07	45.53	54.00	-8.47 164 168 Average
3	7440.000	35.89	9.01	44.90	74.00	-29.10 177 59 Peak
4	7795.000	34.56	9.32	43.88	74.00	-30.12 126 203 Peak



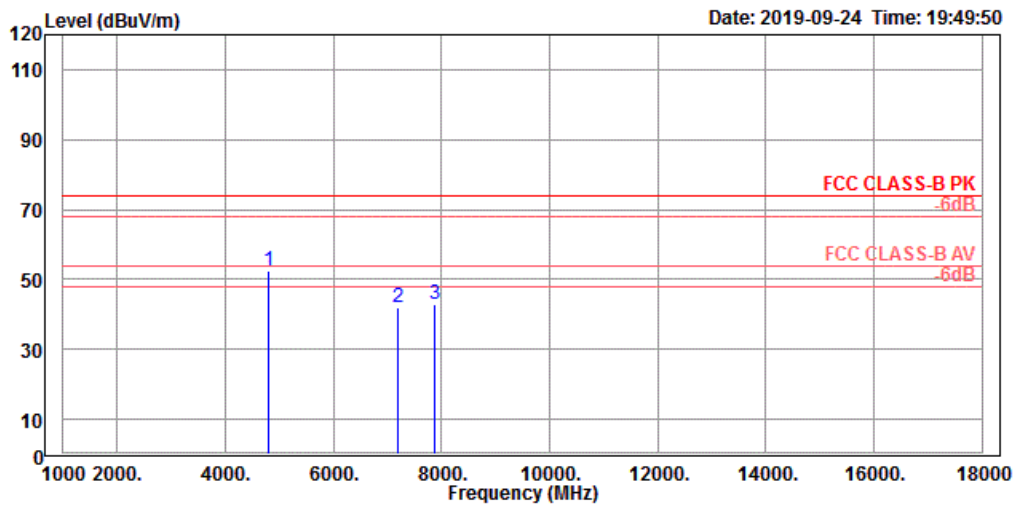
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Vertical
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 1M_TX_2480MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1	4960.000	54.93	0.07	55.00	74.00	-19.00	171	265	Peak
2	4960.000	46.44	0.07	46.51	54.00	-7.49	171	265	Average
3	7440.000	32.26	9.01	41.27	74.00	-32.73	132	223	Peak
4	7878.000	32.79	9.24	42.03	74.00	-31.97	163	102	Peak



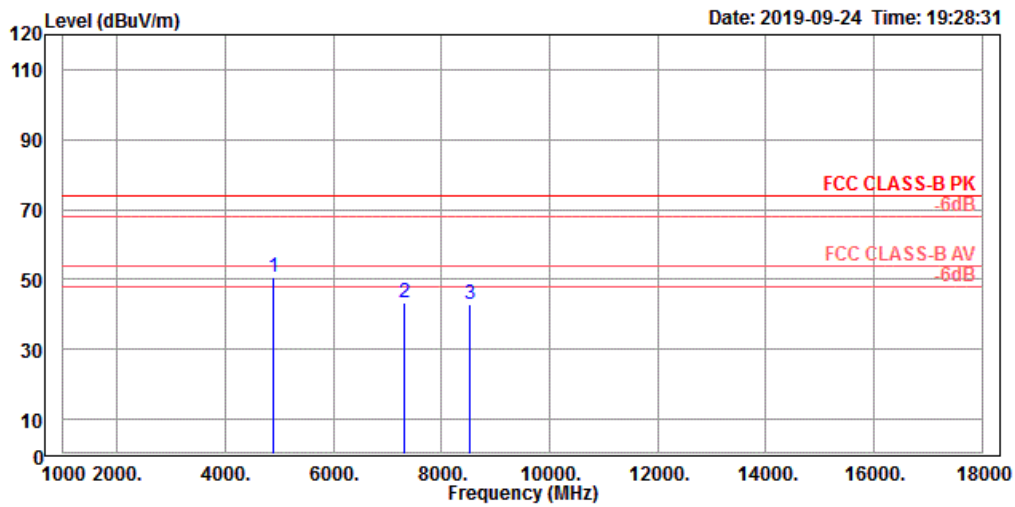
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Horizontal
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 2M_TX_2402MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read		Limit	Over	APos	TPos	Remark
Freq	Level	Factor	Level	Line	Limit		
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	4804.000	52.45	0.06	52.51	74.00	-21.49	175 303 Peak
2	7320.000	35.23	8.75	43.98	74.00	-30.02	201 145 Peak
3	8865.000	33.90	10.21	44.11	74.00	-29.89	166 59 Peak



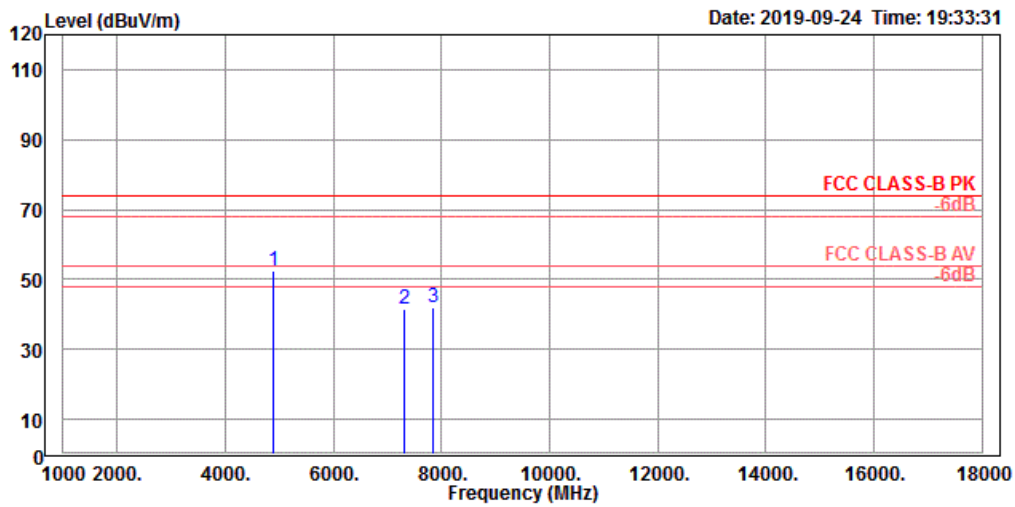
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Vertical
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 2M_TX_2402MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read		Limit	Over	APos	TPos	
Freq	Level	Factor	Level	Line	Limit		Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	4804.000	52.44	0.06	52.50	74.00	-21.50	121 257 Peak
2	7206.000	33.63	8.50	42.13	74.00	-31.87	178 54 Peak
3	7866.000	33.45	9.33	42.78	74.00	-31.22	109 46 Peak



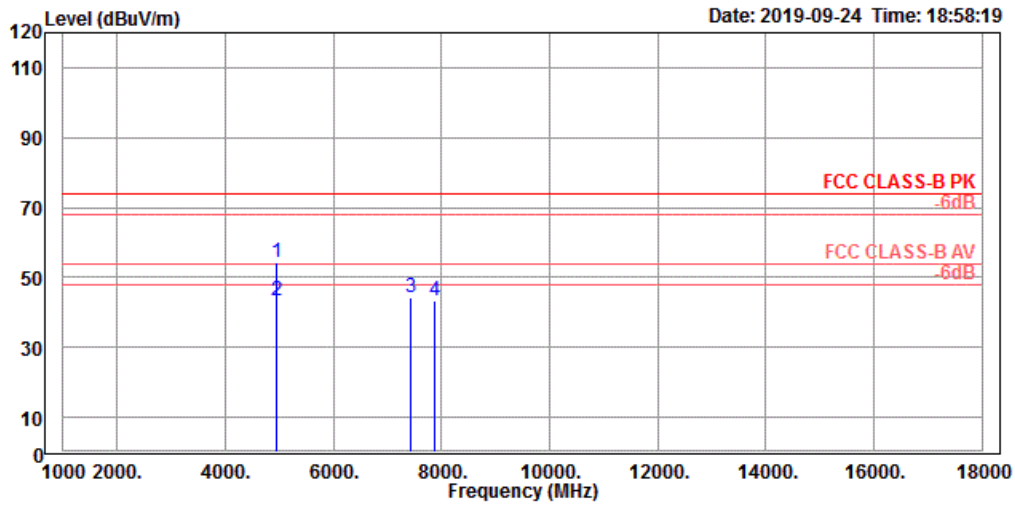
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Horizontal
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 2M_TX_2440MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read Freq	Read Level	Factor	Level	Limit Line	Over Limit	APos	TPos	Remark
	MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg	
1	4880.000	50.64	0.17	50.81	74.00	-23.19	185	158	Peak
2	7320.000	34.56	8.75	43.31	74.00	-30.69	152	79	Peak
3	8536.000	32.78	10.08	42.86	74.00	-31.14	115	63	Peak



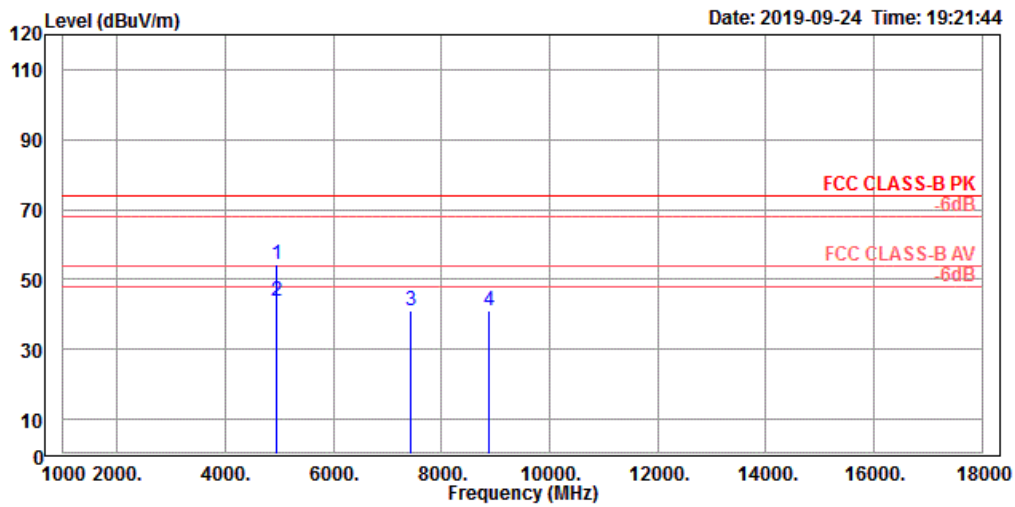
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Horizontal
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 2M_TX_2440MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read	Limit	Over	APos	TPos	Remark	
Freq	Level	Factor	Level	Line	Limit		
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm deg	
1	4880.000	52.36	0.17	52.53	74.00	-21.47	162 236 Peak
2	7320.000	32.69	8.75	41.44	74.00	-32.56	156 112 Peak
3	7854.000	32.44	9.32	41.76	74.00	-32.24	178 98 Peak



Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Horizontal
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 2M_TX_2480MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read	Limit	Over	APos	TPos	Remark
Freq	Level	Factor	Level	Line	Limit	
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm deg
1	4960.000	53.76	0.41	54.17	74.00	-19.83 180 5 Peak
2	4960.000	43.13	0.41	43.54	54.00	-10.46 180 5 Average
3	7440.000	35.23	9.11	44.34	74.00	-29.66 127 252 Peak
4	7866.000	34.12	9.33	43.45	74.00	-30.55 109 86 Peak



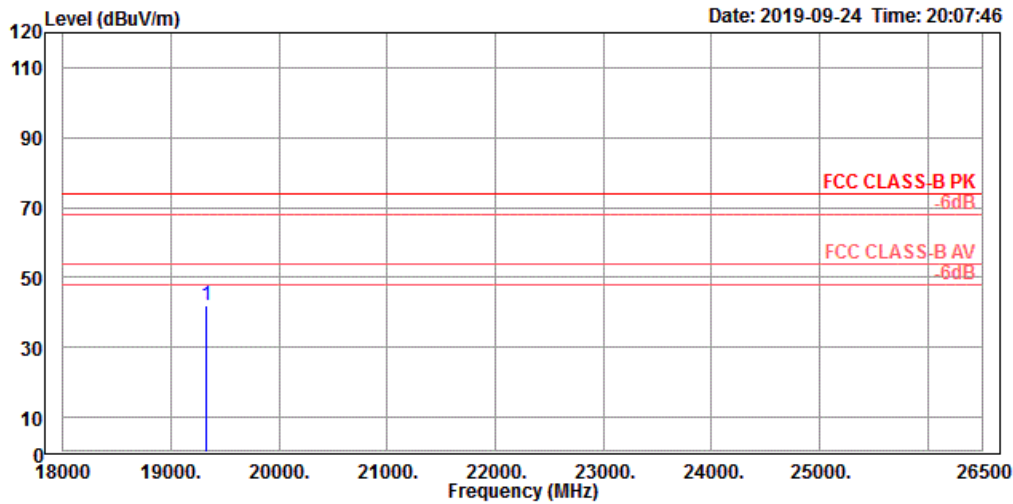
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Vertical
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 2M_TX_2480MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read		Limit	Over	APos	TPos	
Freq	Level	Factor	Level	Line	Limit		Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1	4960.000	53.72	0.41	54.13	74.00	-19.87	150 269 Peak
2	4960.000	43.21	0.41	43.62	54.00	-10.38	150 269 Average
3	7440.000	32.12	9.11	41.23	74.00	-32.77	166 153 Peak
4	8877.000	31.03	10.21	41.24	74.00	-32.76	158 272 Peak

Spurious Emissions, TX Mode, 18GHz-26.5GHz

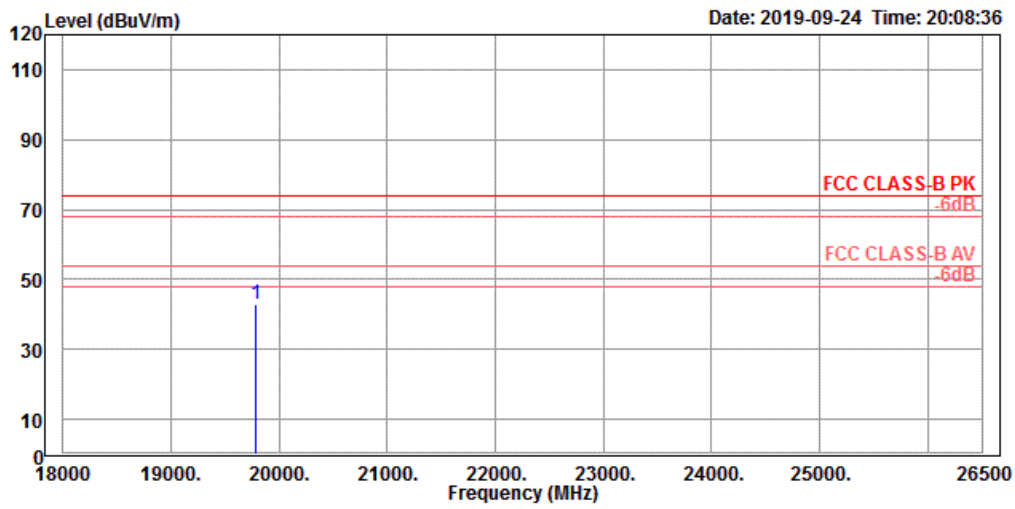


TUV Rheinland Taiwan Ltd.
 11F., No. 758, Sec. 4 Bade Road, Songshan Dist, Taipei City 105
 Tel:+886-2172-7000 Fax:+886-2528-0018



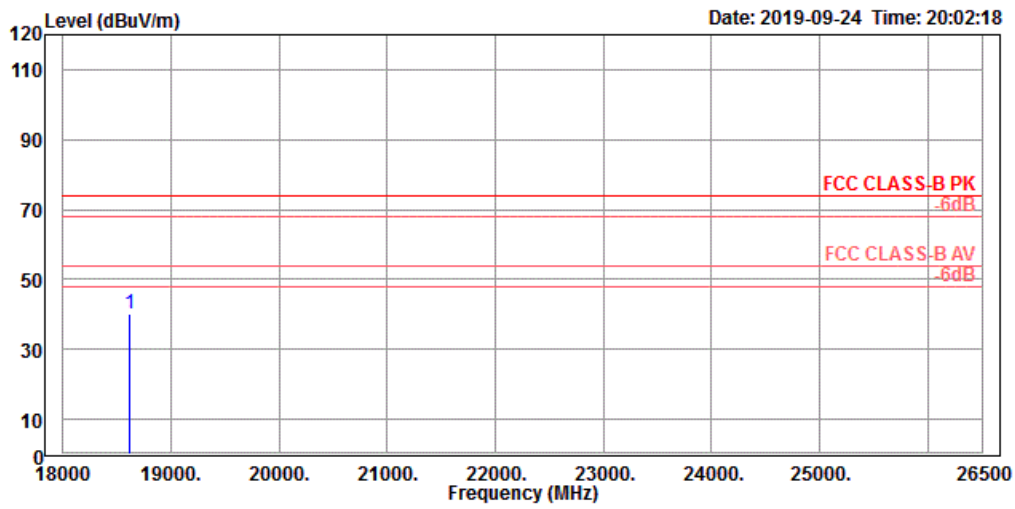
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Horizontal
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 1M_TX_2402MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read	Limit	Over	APos	TPos		
Freq	Level	Factor	Level	Line	Limit	Remark	
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1 19326.000	43.69	-1.74	41.95	74.00	-32.05	148	96 Peak



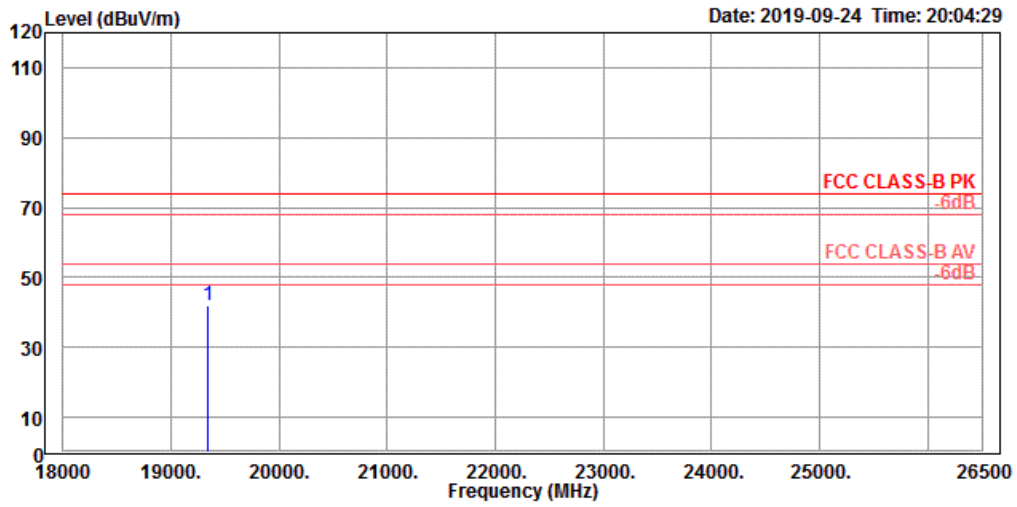
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Vertical
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 1M_TX_2402MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read		Limit	Over	APos	TPos	
Freq	Level	Factor	Level	Line	Limit		Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1 19780.500	44.34	-1.58	42.76	74.00	-31.24	137	89 Peak



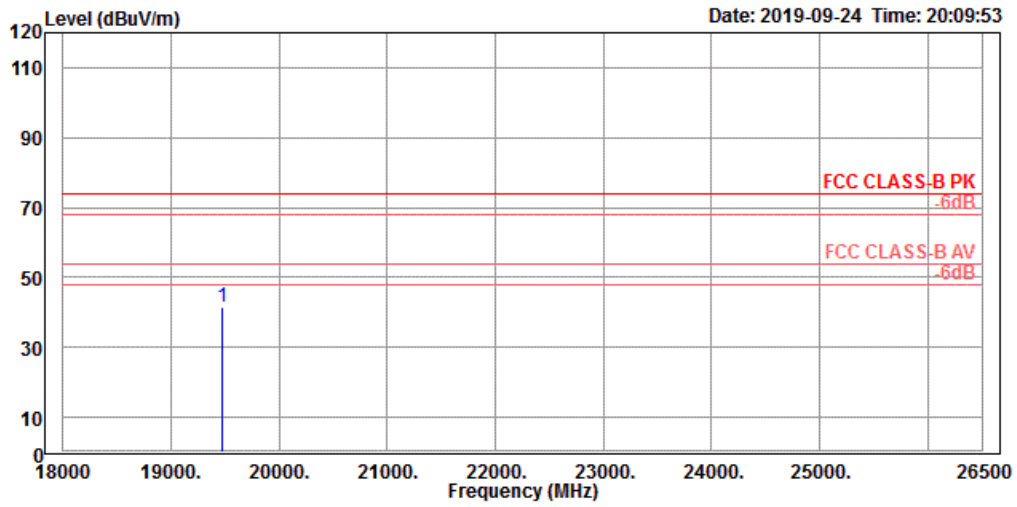
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Horizontal
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 1M_TX_2480MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read		Limit	Over	APos	TPos	
Freq	Level	Factor	Level	Line	Limit		Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1 18607.000	42.64	-2.36	40.28	74.00	-33.72	152	53 Peak



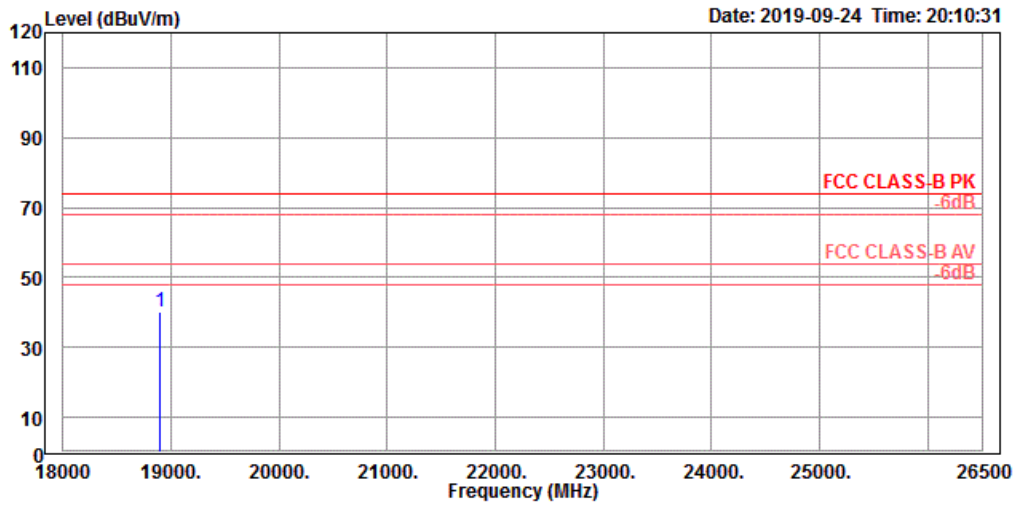
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Vertical
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 1M_TX_2480MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read		Limit	Over	APos	TPos	
Freq	Level	Factor	Level	Line	Limit		Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1 19344.000	43.76	-1.77	41.99	74.00	-32.01	122	89 Peak



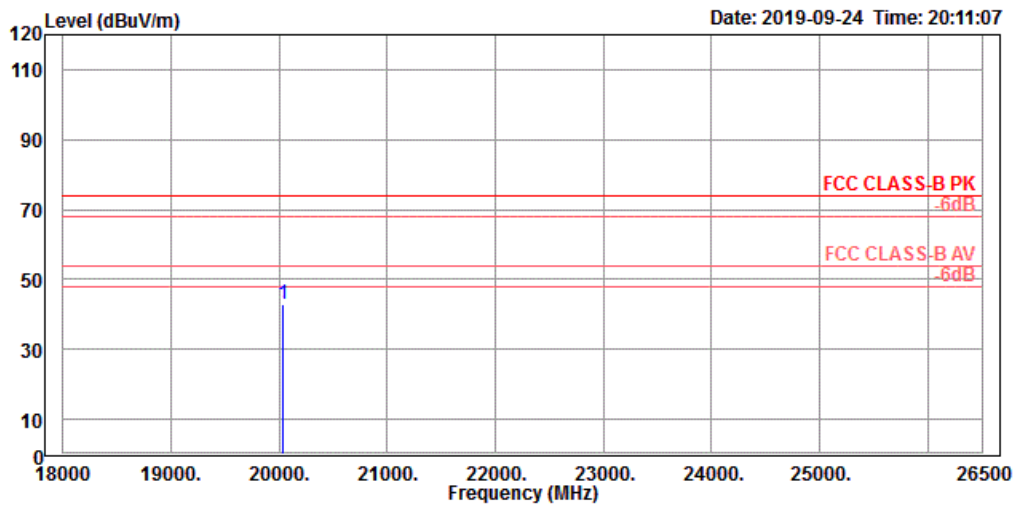
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Horizontal
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 2M_TX_2402MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read		Limit	Over	APos	TPos	
Freq	Level	Factor	Level	Line	Limit		Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1 19471.500	43.40	-1.94	41.46	74.00	-32.54	125	142 Peak



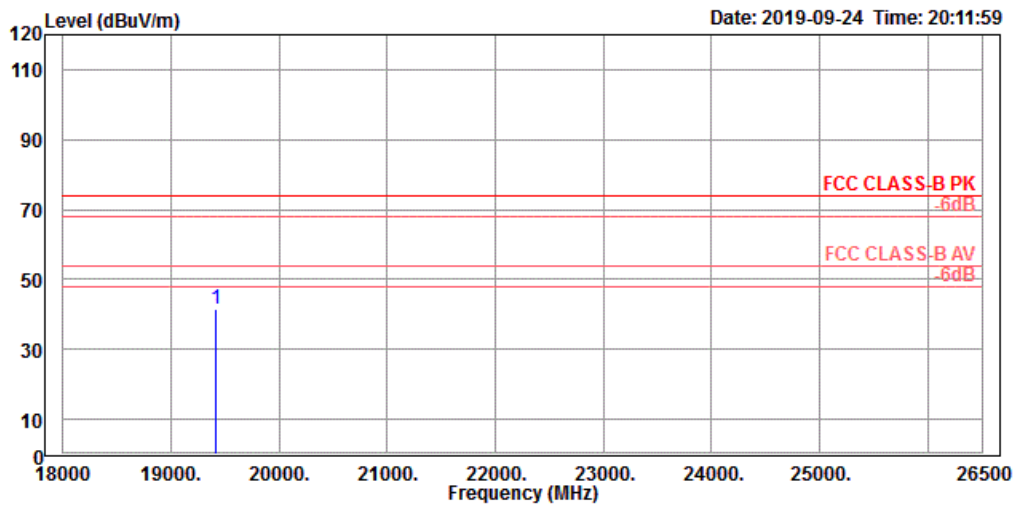
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Vertical
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 2M_TX_2402MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read		Limit	Over	APos	TPos	
Freq	Level	Factor	Level	Line	Limit		Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1 18894.000	42.54	-2.21	40.33	74.00	-33.67	150	185 Peak



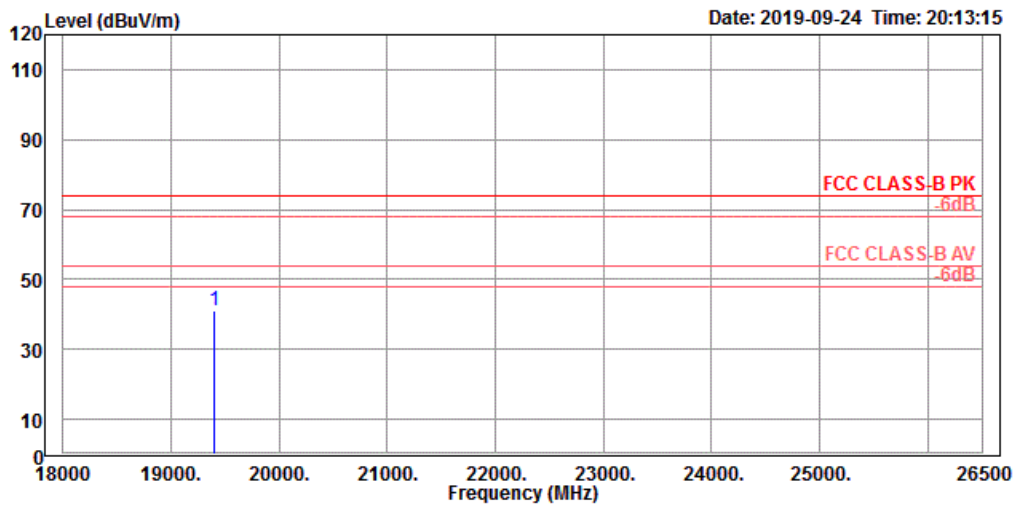
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Horizontal
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 2M_TX_2440MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read		Limit	Over	APos	TPos	
Freq	Level	Factor	Level	Line	Limit		Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1 20026.000	43.97	-0.95	43.02	74.00	-30.98	144	175 Peak



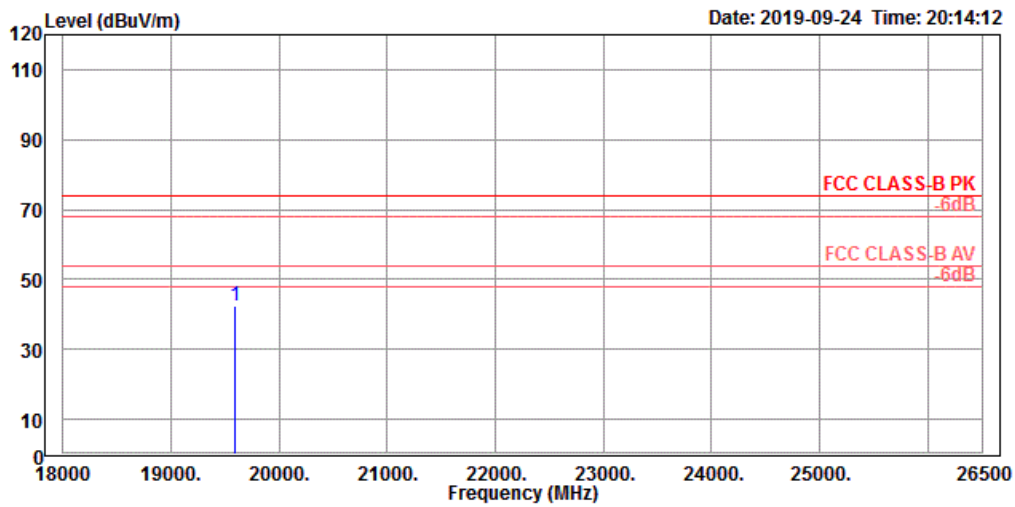
Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Vertical
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 2M_TX_2440MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read		Limit	Over	APos	TPos	
Freq	Level	Factor	Level	Line	Limit		Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1 19416.000	43.59	-1.87	41.72	74.00	-32.28	141	162 Peak



Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Horizontal
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 2M_TX_2480MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read		Limit	Over	APos	TPos	
Freq	Level	Factor	Level	Line	Limit		Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1 19403.500	43.02	-1.86	41.16	74.00	-32.84	109	140 Peak



Site : 966B Chamber B
 Condition : FCC CLASS-B PK 3m Vertical
 Test Engineer: Simon Tsai
 Product : Motion Sensor
 Model NO : HKMS2
 Mode : 2M_TX_2480MHz
 Power setting: 4
 Test Rating : DC3.6V
 Tmp/Hum : 23.5°C/67%
 Plane : Y

	Read		Limit	Over	APos	TPos	
Freq	Level	Factor	Level	Line	Limit		Remark
MHz	dBuV	dB/m	dBuV/m	dBuV/m	dB	cm	deg
1 19592.000	44.52	-1.86	42.66	74.00	-31.34	108	29 Peak