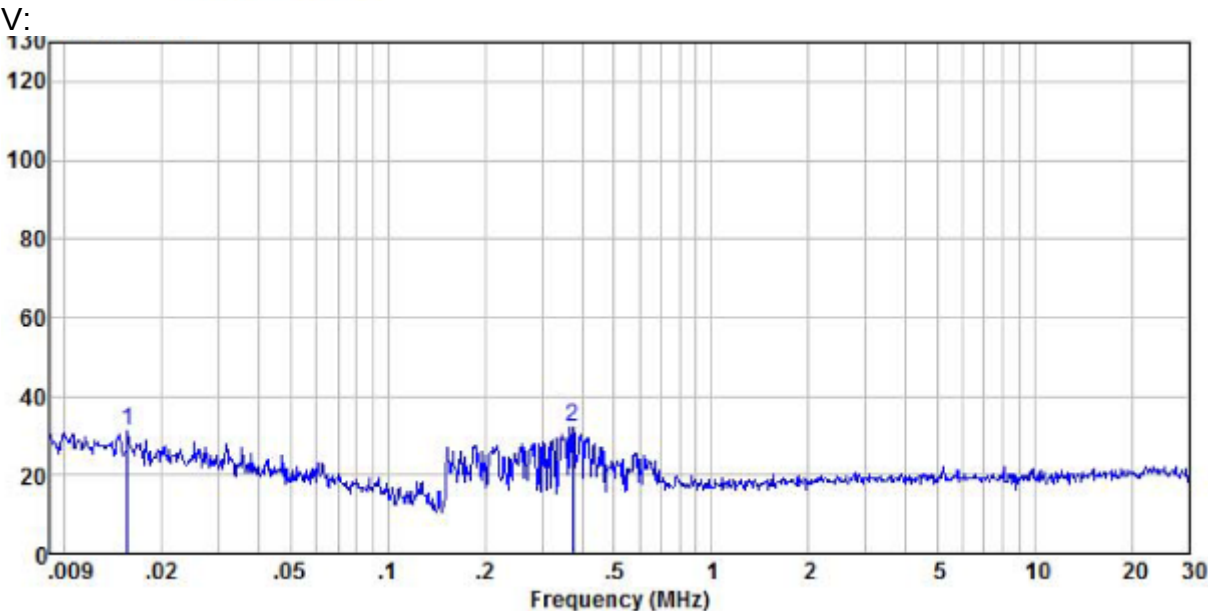
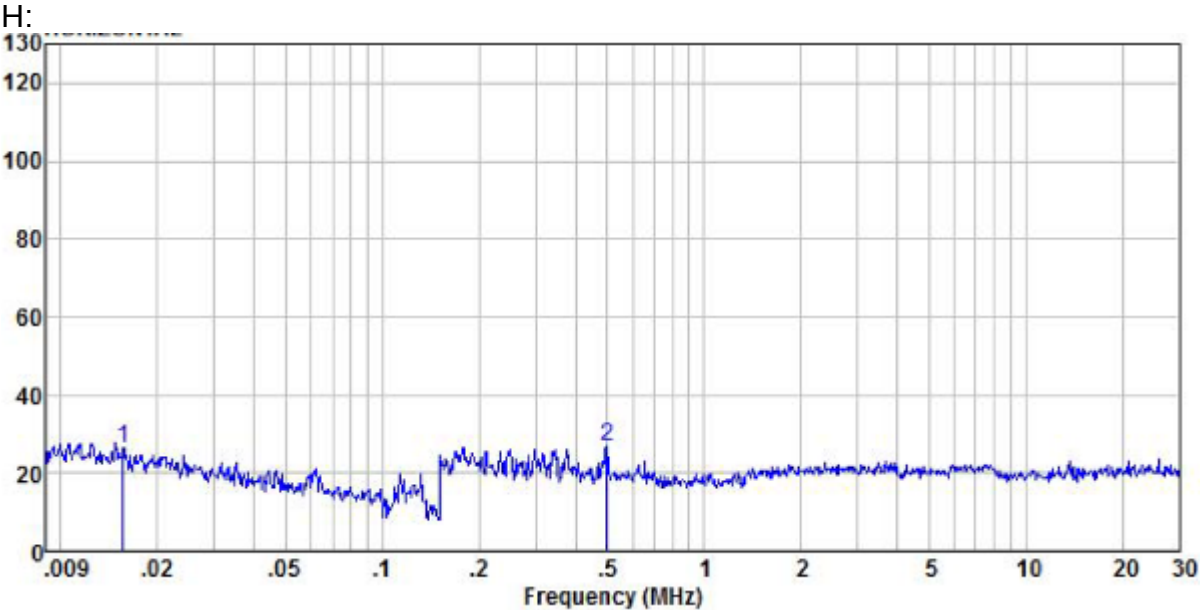


Bluetooth 8-DPSK, traffic mode; Channel 39



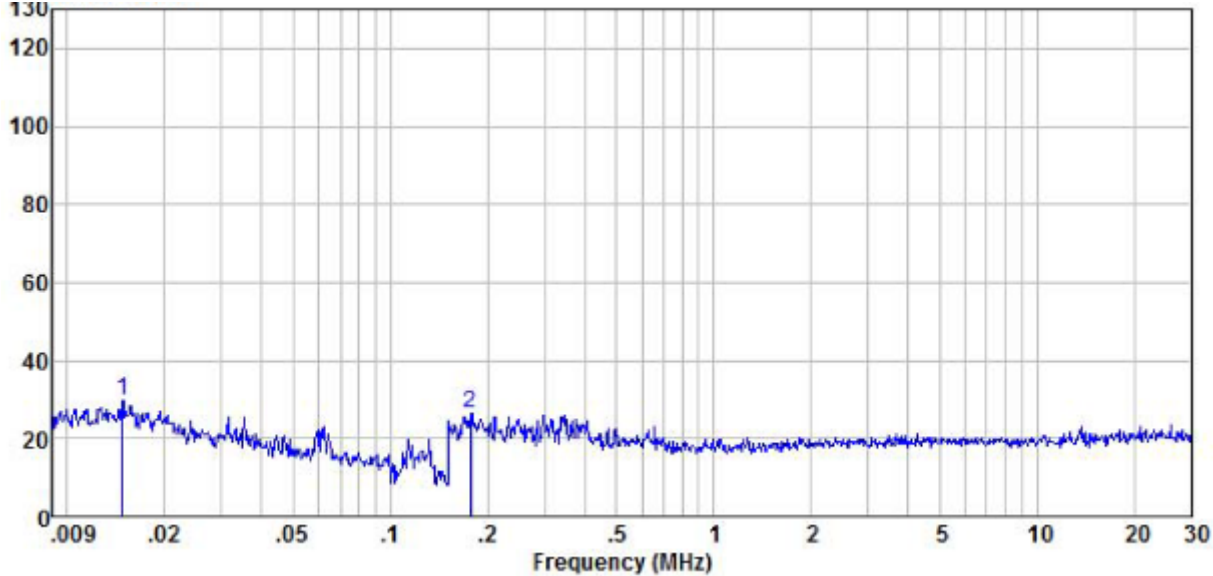
Frequency (MHz)	Polarization (H/V)	Reading (dBuV/m)	Correction Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector
0.02	H	31.38	18.37	49.75	100.66	-50.91	Peak
0.02	V	26.42	18.37	44.79	100.66	-55.87	Peak
0.37	H	32.30	19.14	51.44	75.32	-23.88	Peak
0.49	V	26.66	18.43	45.09	52.80	-7.71	Peak

H: Horizontal V: Vertical

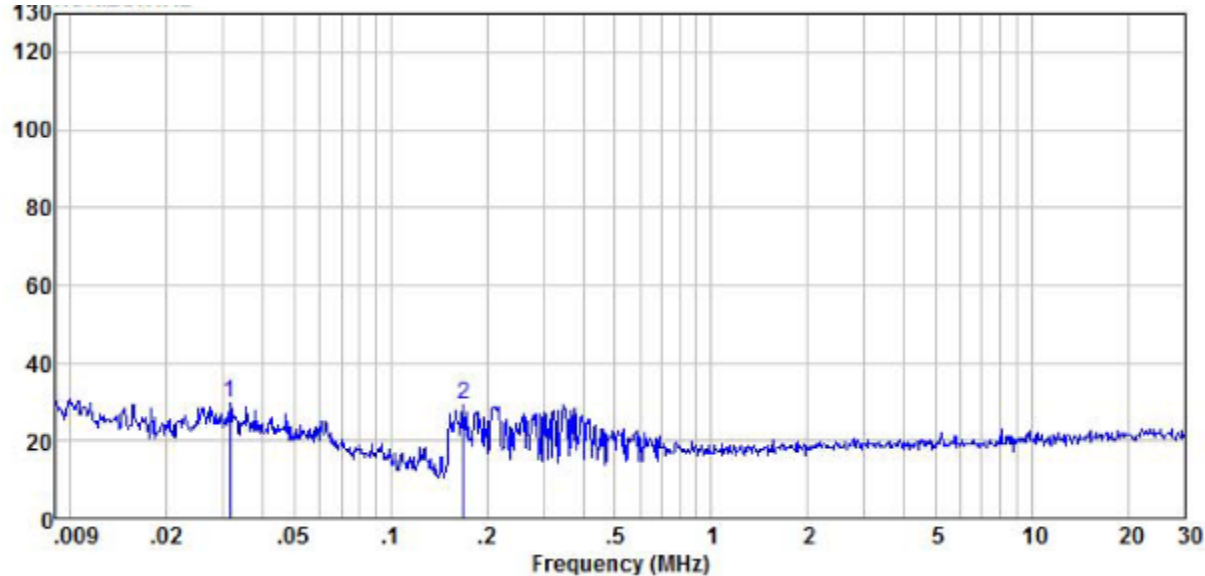
Measure Level(dBuV/m) = Reading (dBuV/m) + Correction Factor (dB/m)

Bluetooth 8-DPSK, traffic mode; Channel 78

H:



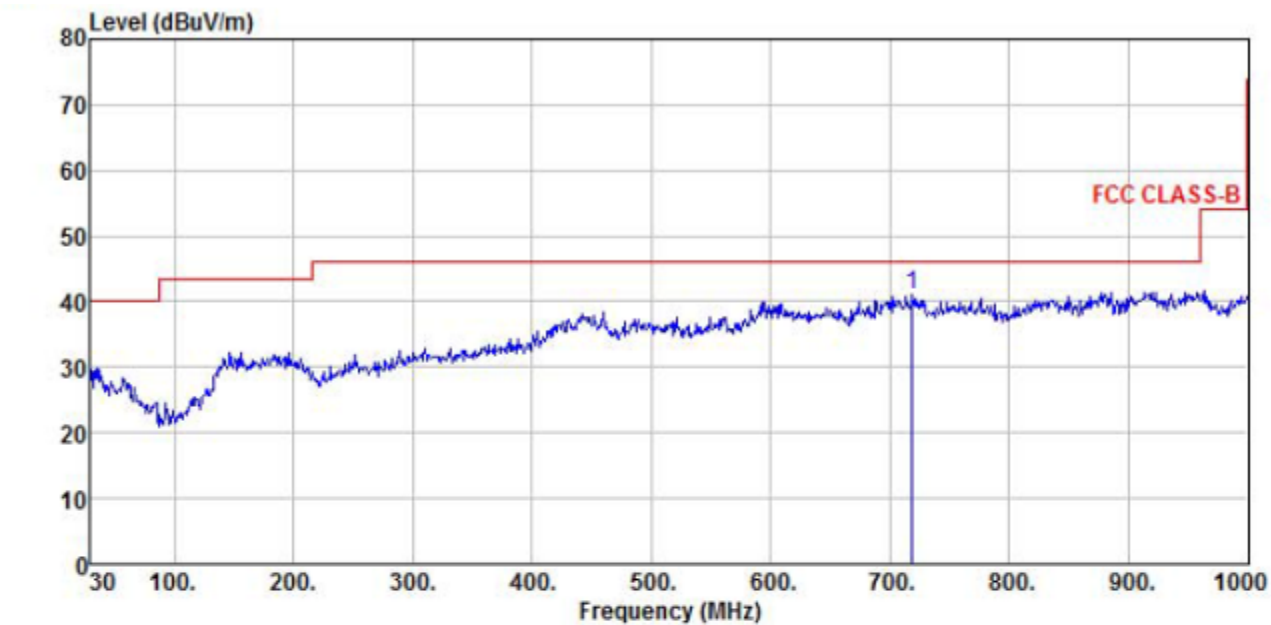
V:



Frequency (MHz)	Polarization (H/V)	Reading (dBuV/m)	Correction Factor (dB/m)	Measure Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Detector
0.03	H	29.84	19.53	49.37	97.14	-47.77	Peak
0.01	V	29.80	18.66	48.46	106.68	-58.22	Peak
0.17	H	29.06	19.34	48.40	82.08	-33.68	Peak
0.18	V	26.55	19.65	46.20	81.58	-35.38	Peak

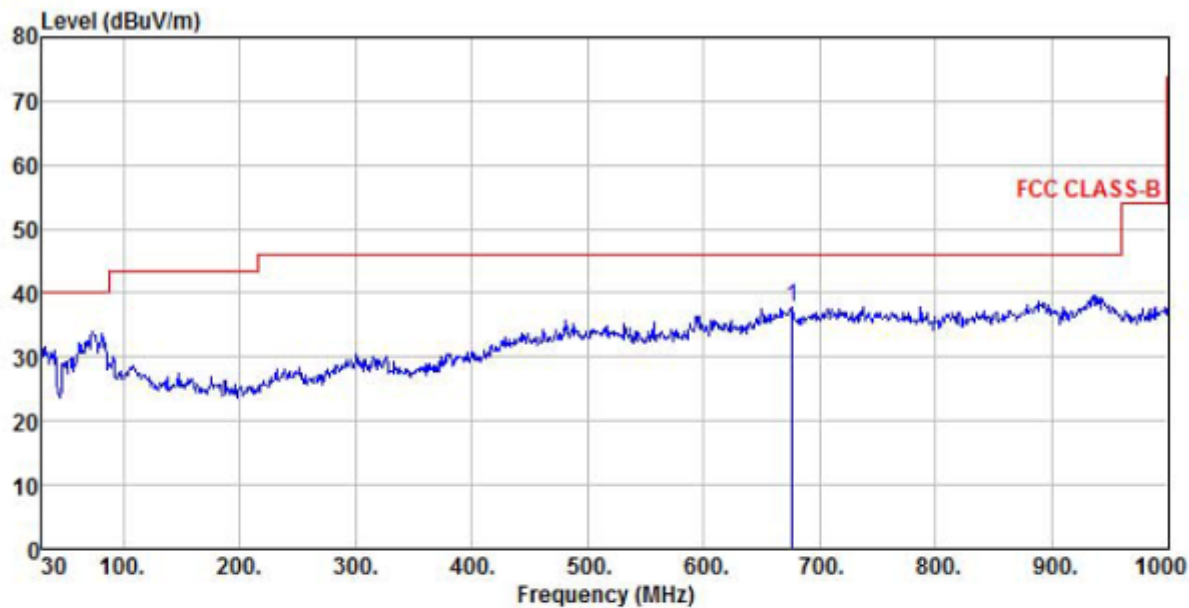
H: Horizontal V: Vertical
Measure Level(dBuV/m) = Reading (dBuV/m) + Correction Factor (dB/m)

From 30MHz to 1GHz:
Bluetooth GFSK, traffic mode; Channel 0



Site : chamber
Condition : FCC CLASS-B 3m VULB9160(RSE-H) HORIZONTAL
EUT : carbonado smart PTT case for iphone
Model Name : PTK14C0
Temp/Humi : 23 °C / 55%
Power Rating: DC 3.7V
Mode : GFSK Ch 0
Memo :

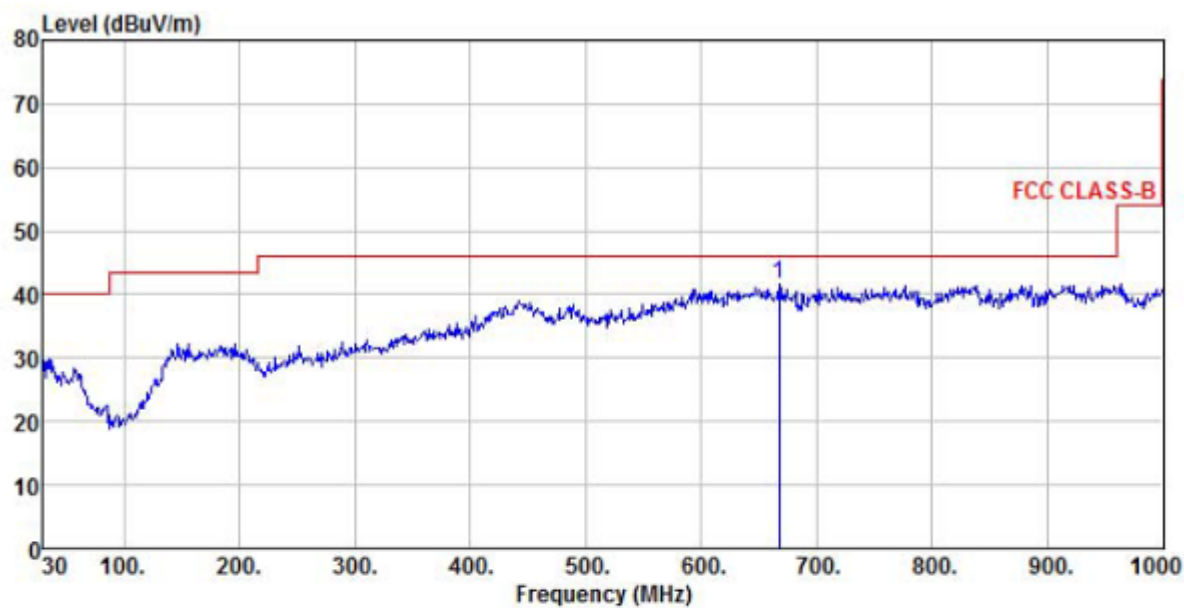
Freq	ReadAntenna		Cable Preamp		Limit	Over	Remark
	Level	Factor	Loss	Factor	Line	Limit	
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1 pp 718.70	-1.15	38.51	3.69	0.00	41.05	46.00	-4.95 Peak



Site : chamber
 Condition : FCC CLASS-B 3m VULB9160(RSE-V) VERTICAL
 EUT : carbonado smart PTT case for iphone
 Model Name : PTK14CO
 Temp/Humi : 23 °C / 55%
 Power Rating: DC 3.7V
 Mode : GFSK Ch 0
 Memo :

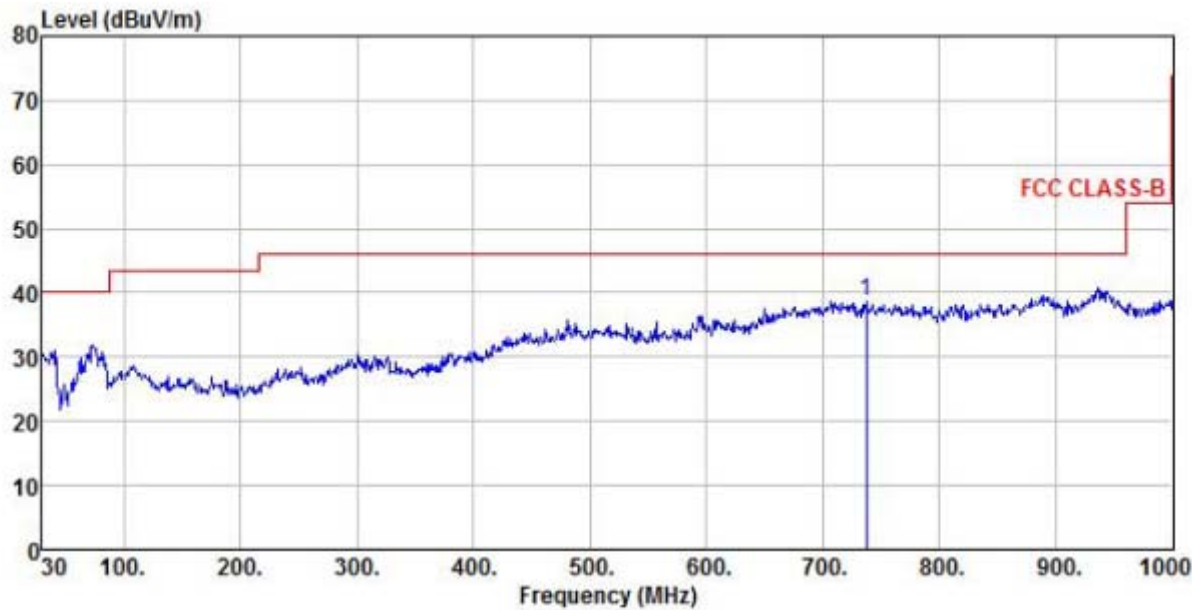
	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 pp	676.02	2.43	31.72	3.56	0.00	37.71	46.00	-8.29	Peak

Bluetooth GFSK, traffic mode; Channel 39



Site : chamber
Condition : FCC CLASS-B 3m VULB9160(RSE-H) HORIZONTAL
EUT : carbonado smart PTT case for iphone
Model Name : PTK14C0
Temp/Humi : 23 °C / 55%
Power Rating: DC 3.7V
Mode : GFSK Ch 39
Memo :

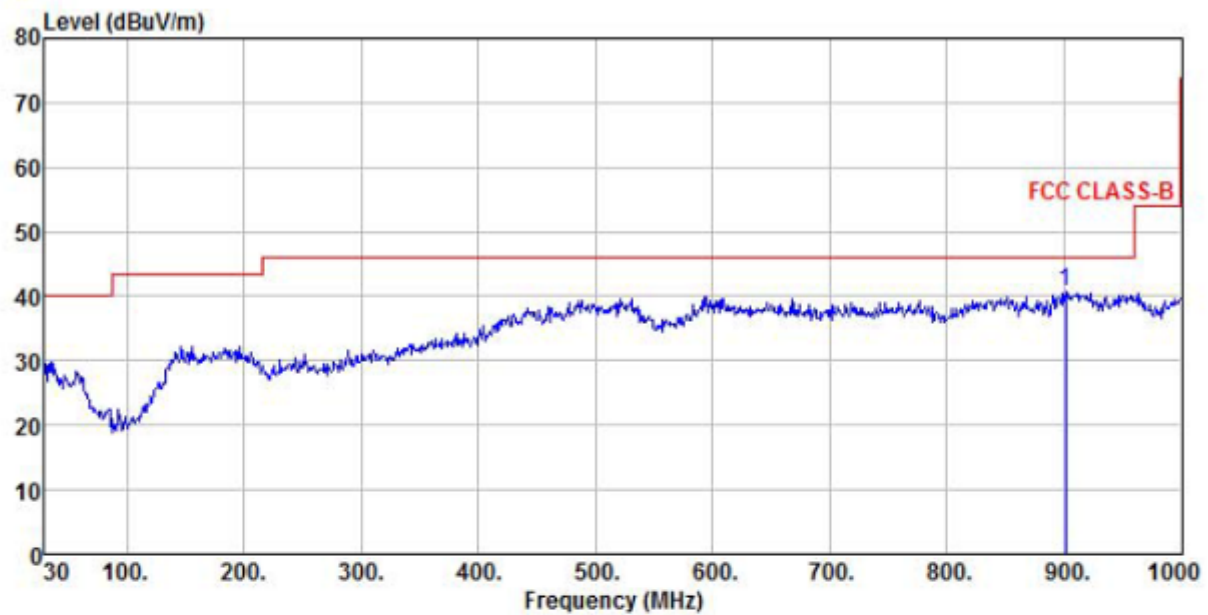
Freq	ReadAntenna		Cable Preamp		Level	Limit	Over	Remark
	Level	Factor	Loss	Factor		Line	Limit	
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 pp 667.29	2.76	35.34	3.52	0.00	41.62	46.00	-4.38	Peak



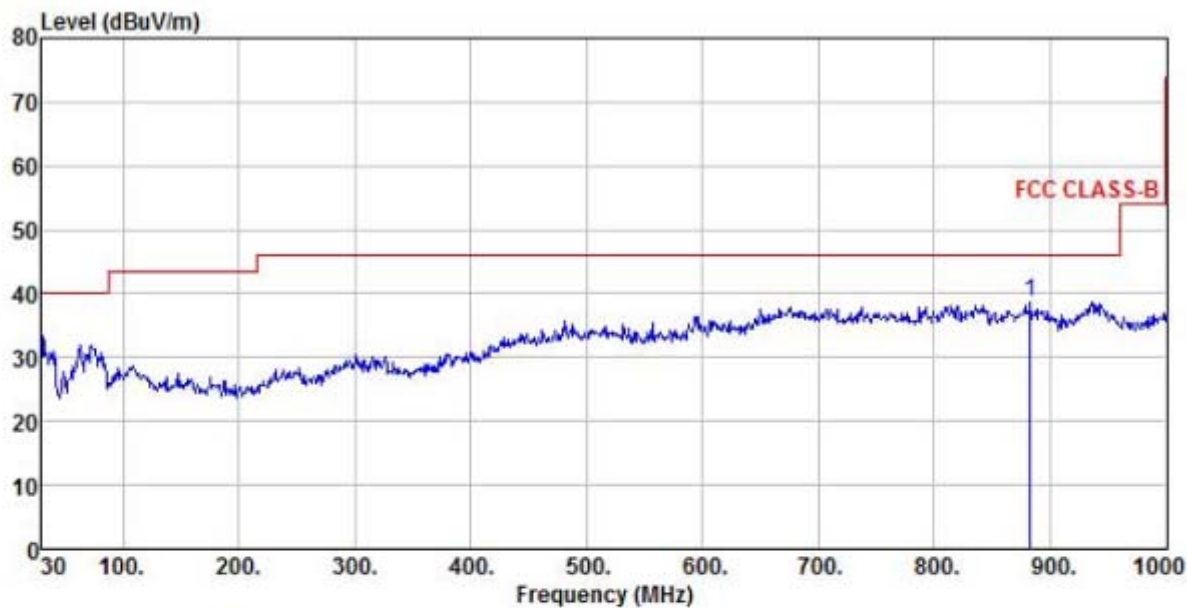
Site : chamber
Condition : FCC CLASS-B 3m VULB9160(RSE-V) VERTICAL
EUT : carbonado smart PTT case for iphone
Model Name : PTK14CO
Temp/Humi : 23 °C / 55%
Power Rating: DC 3.7V
Mode : GFSK Ch 39
Memo :

Freq	ReadAntenna	Cable	Preamp		Limit	Over	
Level	Factor	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1 pp 737.13	2.06	32.92	3.71	0.00	38.69	46.00	-7.31 Peak

Bluetooth GFSK, traffic mode; Channel 78



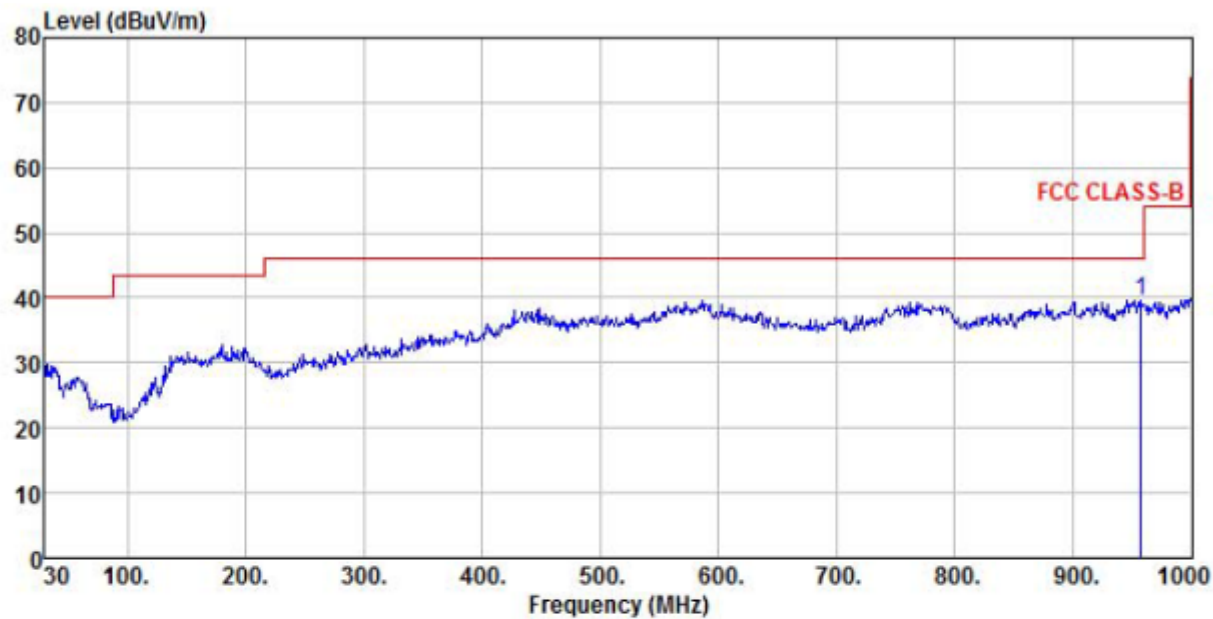
Site	: chamber						
Condition	: FCC CLASS-B 3m VULB9160(RSE-H) HORIZONTAL						
EUT	: carbonado smart PTT case for iphone						
Model Name	: PTK14C0						
Temp/Humi	: 23 ℃ / 55%						
Power Rating	: DC 3.7V						
Mode	: GFSK Ch 78						
Memo	:						
	ReadAntenna	Cable	Preamp		Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1 pp 901.06	-4.82	41.48	4.06	0.00	40.72	46.00	-5.28 Peak



Site : chamber
Condition : FCC CLASS-B 3m VULB9160(RSE-V) VERTICAL
EUT : carbonado smart PTT case for iphone
Model Name : PTK14CO
Temp/Humi : 23 °C / 55%
Power Rating: DC 3.7V
Mode : GFSK Ch 78
Memo :

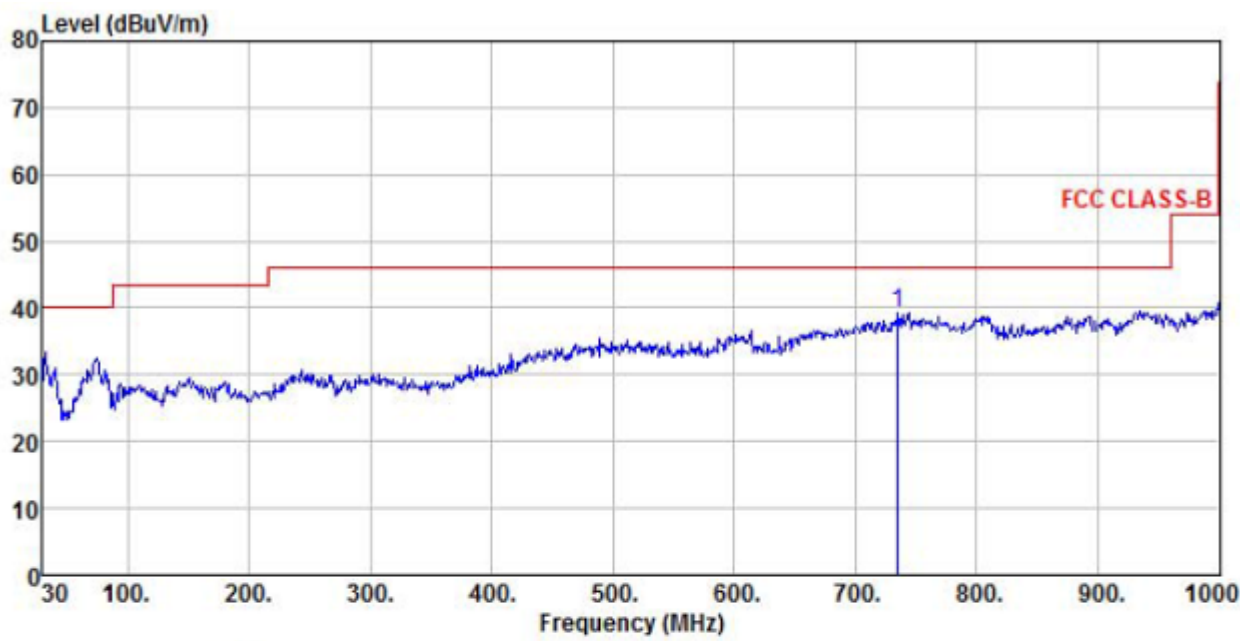
	Freq	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 pp	882.63	-0.62	35.23	3.97	0.00	38.58	46.00	-7.42	Peak

Bluetooth 8-DPSK, traffic mode; Channel 0



Site : chamber
Condition : FCC CLASS-B 3m VULB9160(RSE-H) HORIZONTAL
EUT : carbonado smart PTT case for iphone
Model Name : PTK14C0
Temp/Humi : 23 °C / 55%
Power Rating: DC 3.7V
Mode : 8DPSK Ch 0
Memo :

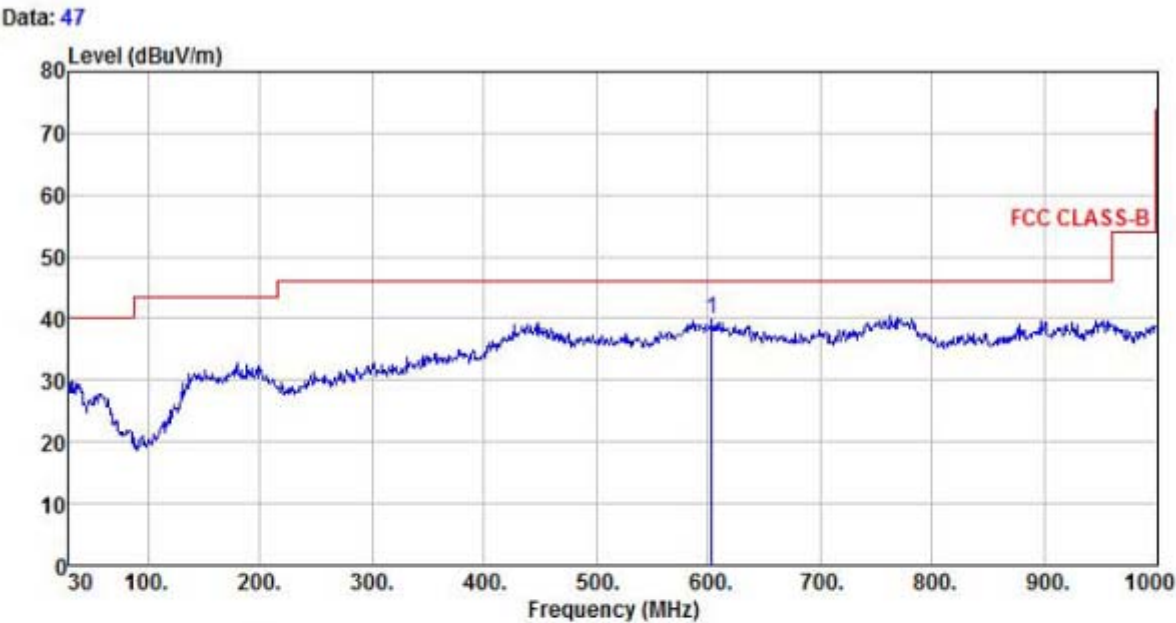
	Freq	ReadAntenna		Cable Preamp		Limit	Over	Remark
		Level	Factor	Loss	Factor	Line	Limit	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1 pp	957.32	-7.83	43.29	4.19	0.00	39.65	46.00	-6.35 Peak



Site : chamber
Condition : FCC CLASS-B 3m VULB9160(RSE-V) VERTICAL
EUT : carbonado smart PTT case for iphone
Model Name : PTK14C0
Temp/Humi : 23 °C / 55%
Power Rating: DC 3.7V
Mode : 8DPSK Ch 0
Memo :

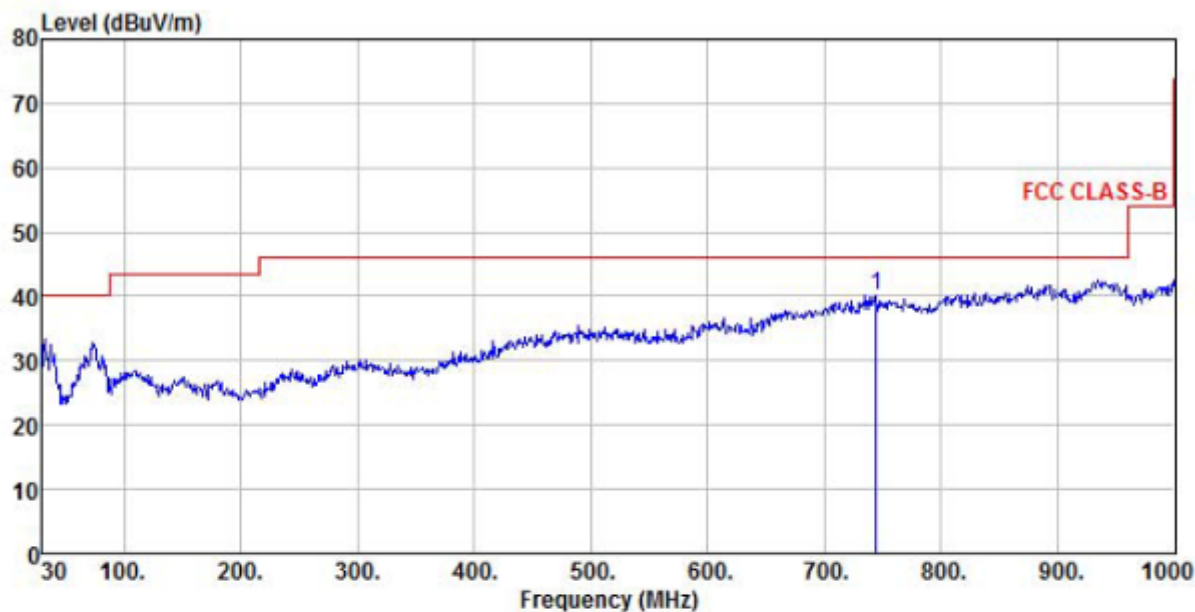
Freq	ReadAntenna		Cable Preamp		Level	Limit	Over	Remark
	Level	Factor	Loss	Factor		Line	Limit	
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 pp 735.19	2.61	32.86	3.69	0.00	39.16	46.00	-6.84	Peak

Bluetooth 8-DPSK, traffic mode; Channel 39



Site : chamber
Condition : FCC CLASS-B 3m VULB9160(RSE-H) HORIZONTAL
EUT : carbonado smart PTT case for iphone
Model Name : PTK14C0
Temp/Humi : 23 °C / 55%
Power Rating: DC 3.7V
Mode : 8DPSK Ch 39
Memo :

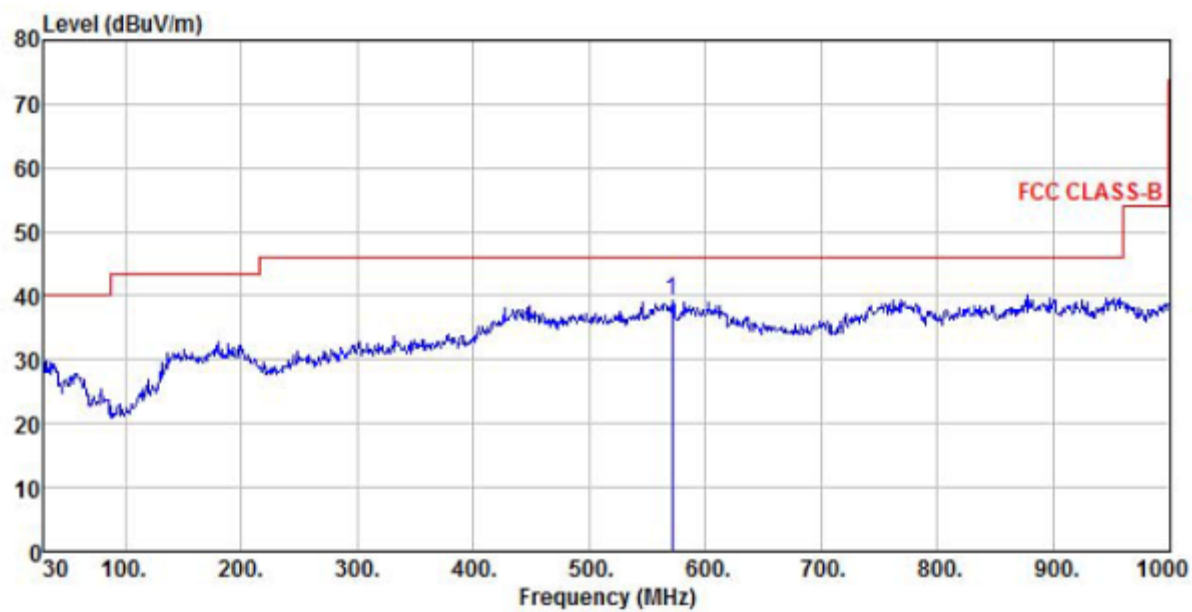
Freq	ReadAntenna	Cable	Preamp		Limit	Over	
	Level	Loss	Factor	Level	Line	Limit	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1 pp 603.27	-0.07	36.56	3.35	0.00	39.84	46.00	-6.16 Peak



Site : chamber
Condition : FCC CLASS-B 3m VULB9160(RSE-V) VERTICAL
EUT : carbonado smart PTT case for iphone
Model Name : PTK14CO
Temp/Humi : 23 °C / 55%
Power Rating: DC 3.7V
Mode : 8DPSK Ch 39
Memo :

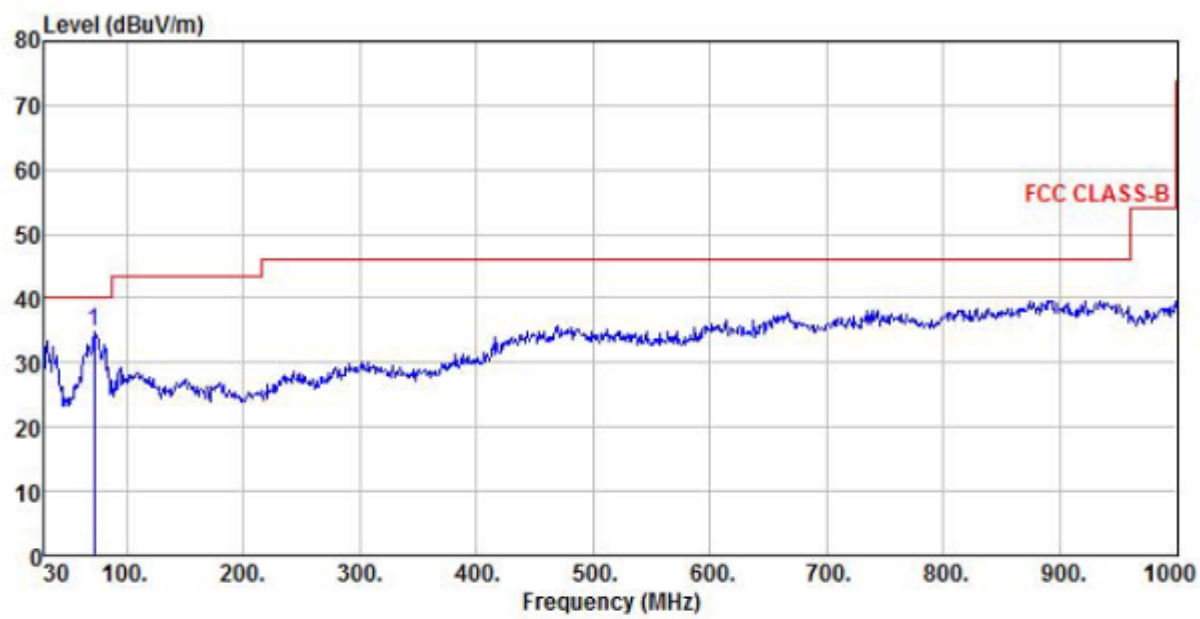
Freq	ReadAntenna		Cable Preamp		Level	Limit	Over	Remark
	Level	Factor	Loss	Factor		Line	Limit	
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 pp 744.89	3.43	32.99	3.78	0.00	40.20	46.00	-5.80	Peak

Bluetooth 8-DPSK, traffic mode; Channel 78



Site : chamber
Condition : FCC CLASS-B 3m VULB9160(RSE-H) HORIZONTAL
EUT : carbonado smart PTT case for iphone
Model Name : PTK14CO
Temp/Humi : 23 °C / 55%
Power Rating: DC 3.7V
Mode : 8DPSK Ch 78
Memo :

Freq	ReadAntenna		Cable Preamp		Level	Limit	Over	Remark
	Level	Factor	Loss	Factor		Line	Limit	
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 pp 571.26	1.62	34.34	3.23	0.00	39.19	46.00	-6.81	Peak

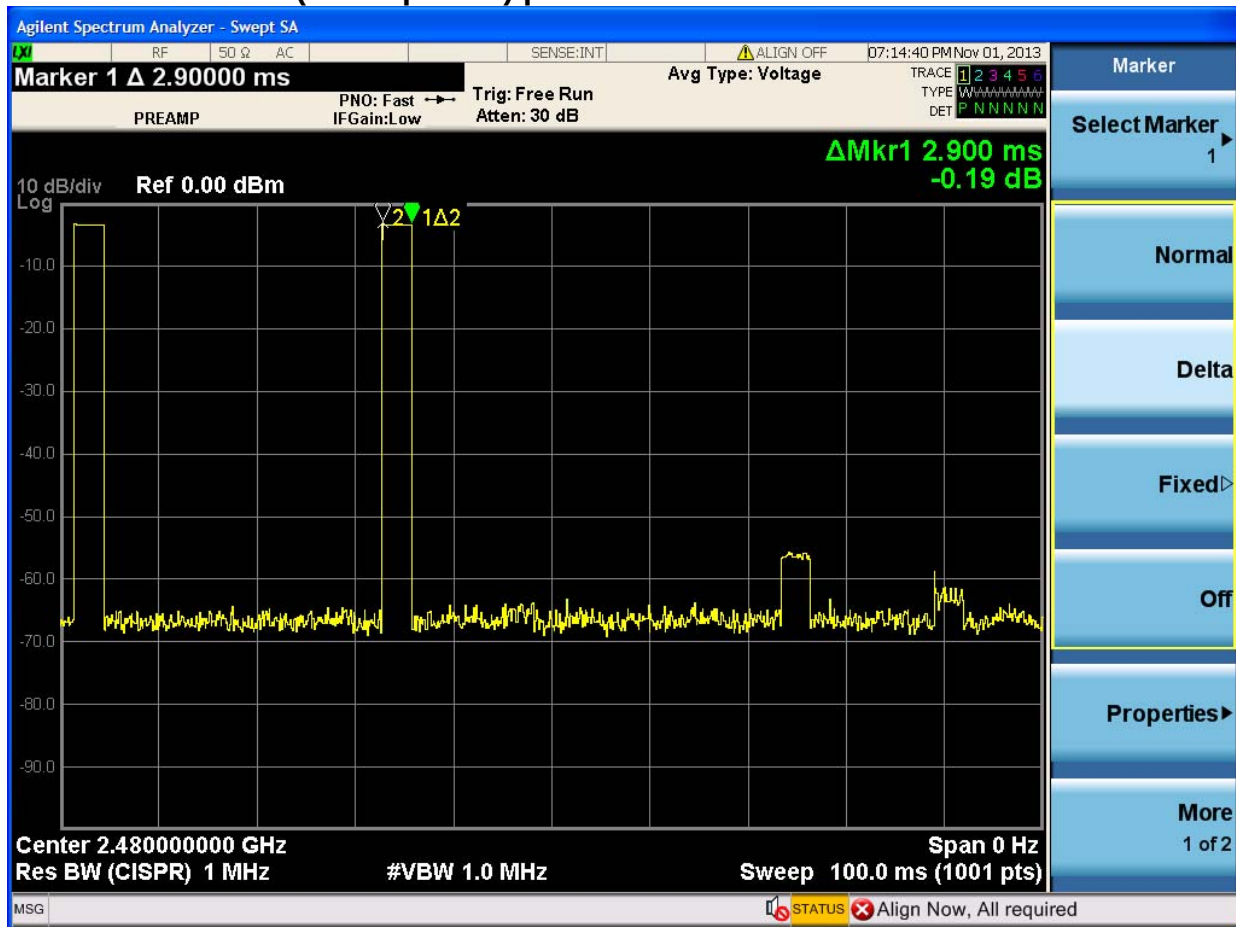


Site : chamber
Condition : FCC CLASS-B 3m VULB9160(RSE-V) VERTICAL
EUT : carbonado smart PTT case for iphone
Model Name : PTK14C0
Temp/Humi : 23 ℃ / 55%
Power Rating: DC 3.7V
Mode : 8DPSK Ch 78
Memo :

	Freq	ReadAntenna		Cable Preamp		Limit	Over	Remark
		Level	Factor	Loss	Factor	Line	Limit	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1 pp	72.68	8.98	24.69	1.12	0.00	34.79	40.00	-5.21 Peak

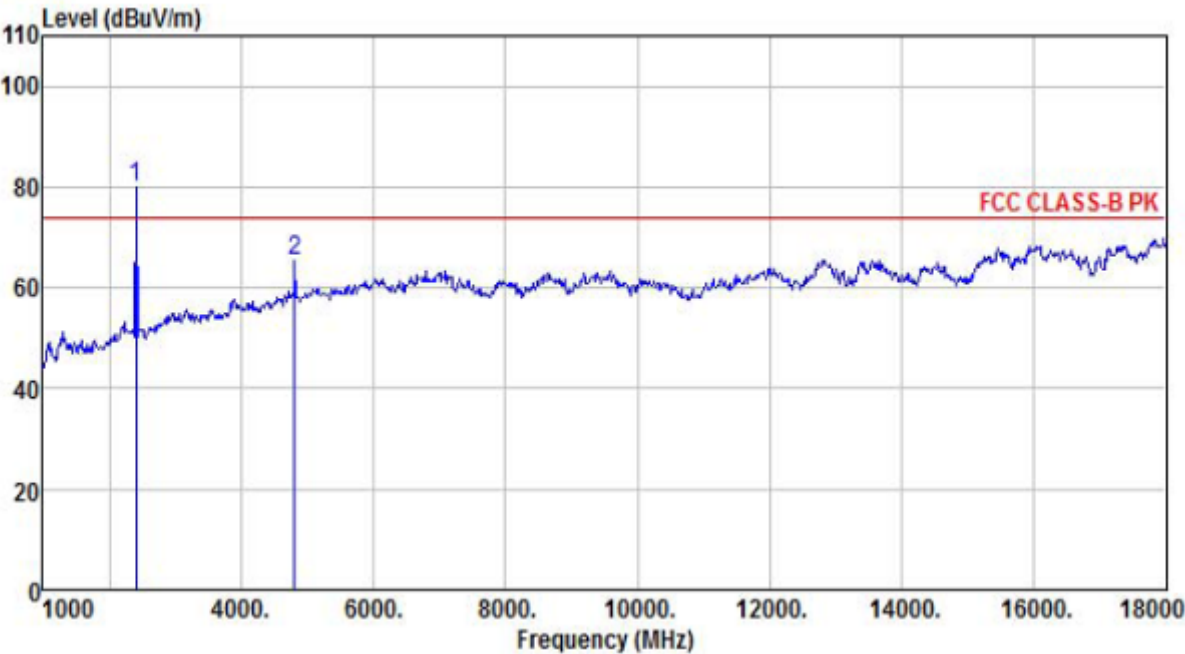
Above 1GHz:

3DH5 on time/100ms(count pulses) plot on channel 39



- NOTE:1. Duty cycle=on time/100 ms = $2 \times 2.90 / 100 = 5.8\%$
 2. Duty cycle correction factor = $20 \times \log(\text{Duty cycle}) = -24.73\text{dB}$
 3. 3DH5 has the highest duty cycle and is reported
 4. Average Level=Peaklevel+ $20 \times \log(\text{Duty cycle})$
 5. Level=Read Level+Antenna Factor+CableLoss-Preamp Factor
 6. The point 2 is regarded as second harmonic in below test results plots.

Bluetooth GFSK, traffic mode; Channel 0

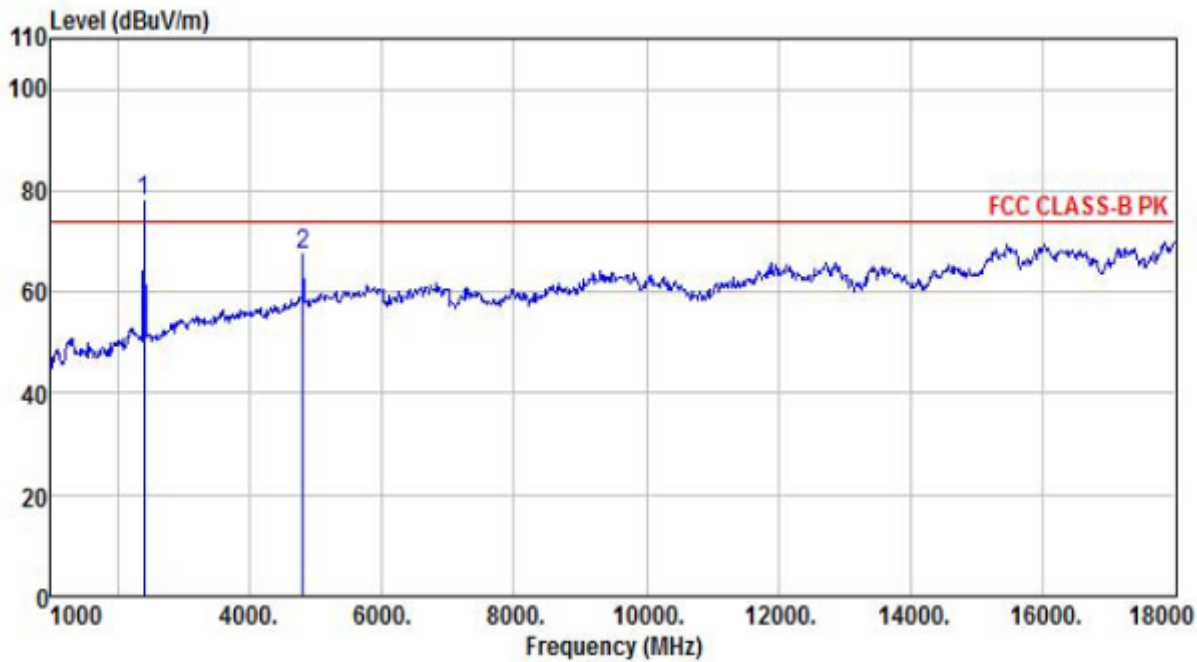


Site : chamber
Condition : FCC CLASS-B PK 3m BBHA9120D(RSE-H) HORIZONTAL
EUT : carbonado smart PTT case for iphone
Model Name : PTK14C0
Temp/Humi : 25℃ / 57%
Power Rating: DC 3.7V
Mode : GFSK ch 0
Memo :

Freq	ReadAntenna		Cable Preamp		Limit		Over	Remark
	Level	Factor	Loss	Factor	Level	Line		
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 pp 2394.00	73.06	37.92	7.13	38.34	79.77	74.00	5.77	Peak
2 4808.00	49.91	42.27	10.40	37.17	65.41	74.00	-8.59	Peak

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Remark
4804	65.41	74	-8.59	Peak
4804	40.68	54	-13.32	Average

Notes:there is not any harmonic but for background noise above 6GHz.



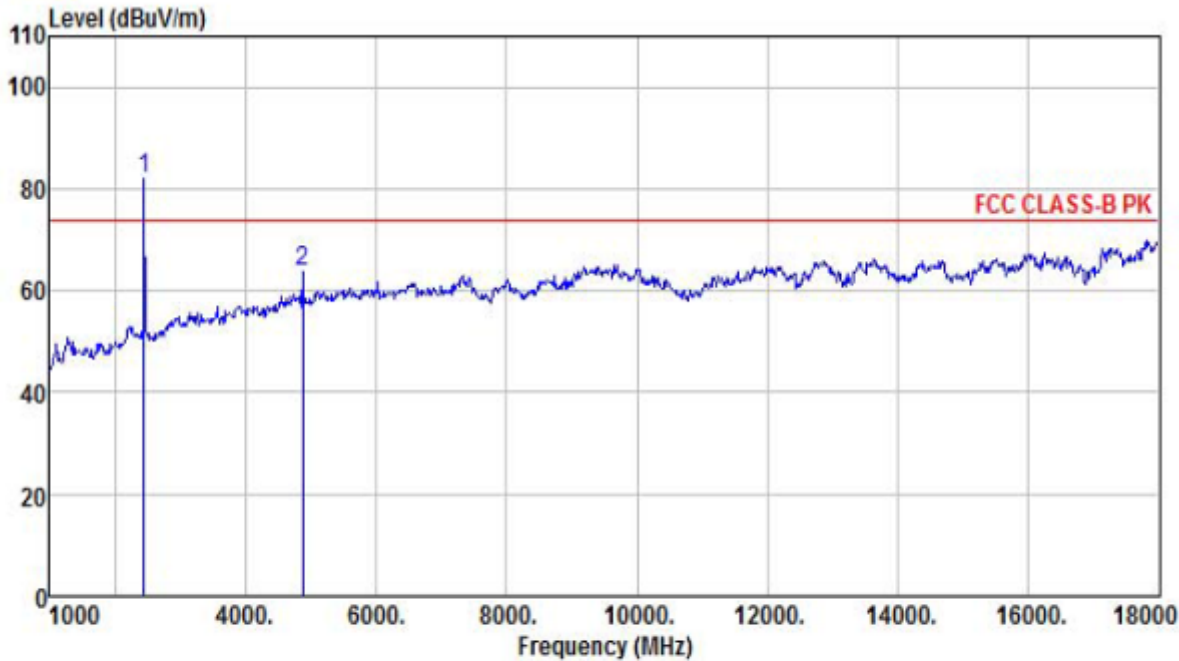
Site : chamber
Condition : FCC CLASS-B PK 3m BBHA9120D(RSE-V) VERTICAL
EUT : carbonado smart PTT case for iphone
Model Name : PTK14CO
Temp/Humi : 25℃ / 57%
Power Rating: DC 3.7V
Mode : GFSK ch 0
Memo :

	Freq	ReadAntenna	Cable	Preamp		Limit	Over	
		Level	Factor	Loss	Factor	Level	Line	Limit Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1 pp	2394.00	71.24	37.92	7.13	38.34	77.95	74.00	3.95 Peak
2	4808.00	51.92	42.27	10.40	37.17	67.42	74.00	-6.58 Peak

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Remark
4804	67.42	74	-6.58	Peak
4804	42.7	54	-11.3	Average

Notes: there is not any harmonic but for background noise above 6GHz.

Bluetooth GFSK, traffic mode; Channel 39

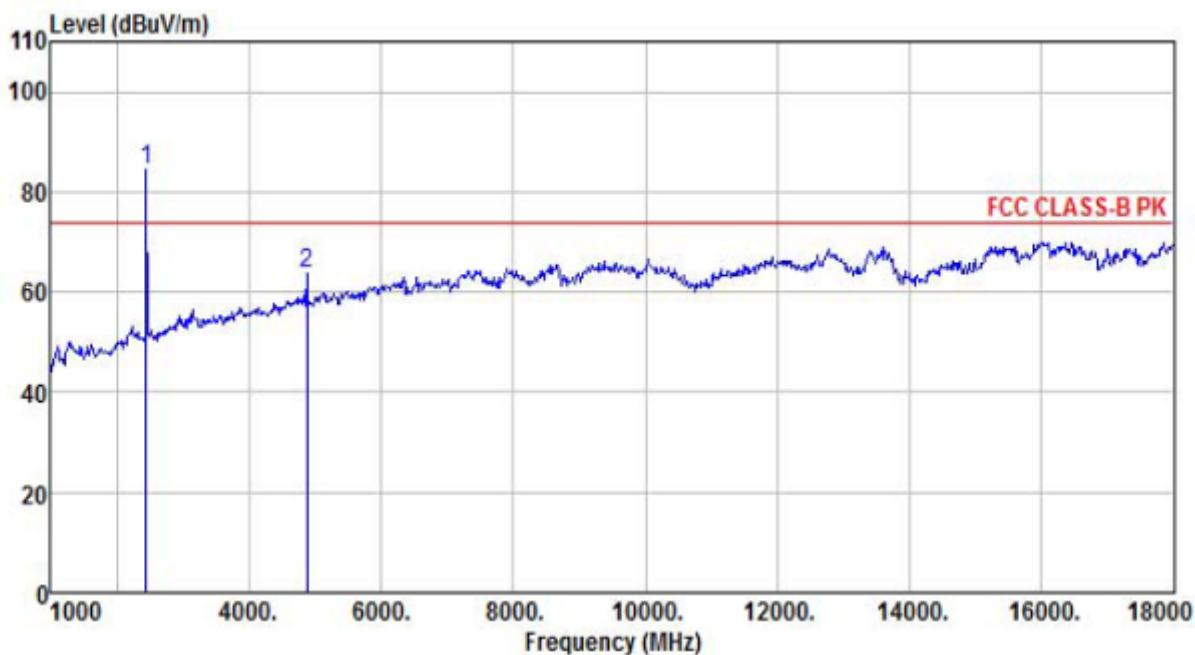


Site : chamber
Condition : FCC CLASS-B PK 3m BBHA9120D(RSE-H) HORIZONTAL
EUT : carbonado smart PTT case for iphone
Model Name : PTK14C0
Temp/Humi : 25℃ / 57%
Power Rating: DC 3.7V
Mode : GFSK ch 39
Memo :

		ReadAntenna	Cable	Preamp		Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1 pp	2445.00	74.73	38.25	7.37	38.32	82.03	74.00	8.03 Peak
2	4876.00	48.80	41.63	10.36	37.15	63.64	74.00	-10.36 Peak

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Remark
4882	63.64	74	-10.36	Peak
4882	38.91	54	-15.09	Average

Notes: there is not any harmonic but for background noise above 6GHz.



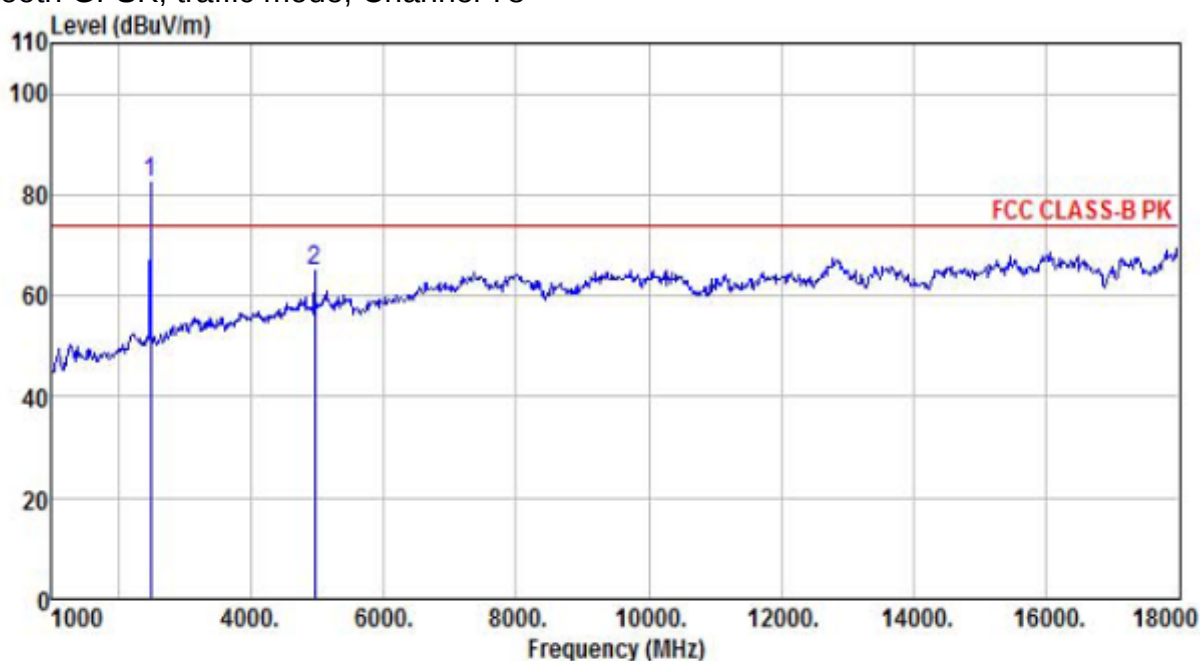
Site : chamber
 Condition : FCC CLASS-B PK 3m BBHA9120D(RSE-V) VERTICAL
 EUT : carbonado smart PTT case for iphone
 Model Name : PTK14C0
 Temp/Humi : 25°C / 57%
 Power Rating: DC 3.7V
 Mode : GFSK ch 39
 Memo :

	ReadAntenna	Cable	Preamp		Limit	Over	
Freq	Level	Factor	Loss	Factor	Level	Line	Limit Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1 pp 2445.00	77.08	38.25	7.37	38.32	84.38	74.00	10.38 Peak
2 4876.00	48.96	41.63	10.36	37.15	63.80	74.00	-10.20 Peak

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Remark
4882	63.80	74	-10.20	Peak
4882	39.07	54	-14.93	Average

Notes: there is not any harmonic but for background noise above 6GHz.

Bluetooth GFSK, traffic mode; Channel 78

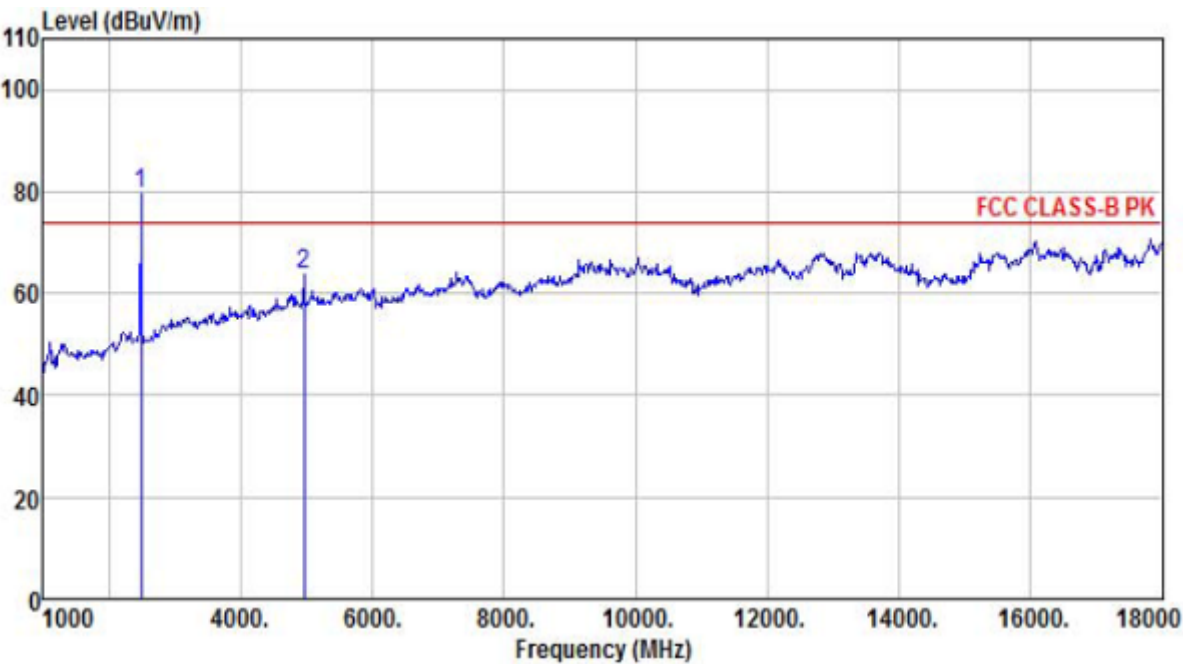


Site : chamber
 Condition : FCC CLASS-B PK 3m BBHA9120D(RSE-H) HORIZONTAL
 EUT : carbonado smart PTT case for iphone
 Model Name : PTK14CO
 Temp/Humi : 25°C / 57%
 Power Rating: DC 3.7V
 Mode : GFSK ch 78
 Memo :

	Freq	ReadAntenna Level	Cable Factor	Preamplifier Loss	Preamp Factor	Limit Level	Over Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 pp	2479.00	74.73	38.38	7.41	38.31	82.21	74.00	8.21	Peak
2	4961.00	49.47	42.07	10.52	37.11	64.95	74.00	-9.05	Peak

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Remark
4960	64.95	74	-9.05	Peak
4960	40.22	54	-13.78	Average

Notes: there is not any harmonic but for background noise above 6GHz.



Site : chamber
Condition : FCC CLASS-B PK 3m BBHA9120D(RSE-V) VERTICAL
EUT : carbonado smart PTT case for iphone
Model Name : PTK14C0
Temp/Humi : 25℃ / 57%
Power Rating: DC 3.7V
Mode : GFSK ch 78
Memo :

	Freq	ReadAntenna Level	Cable Loss	Preamp Factor	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dBuV/m	dBuV/m	dB
1 pp	2479.00	72.21	38.38	7.41	38.31	79.69	74.00
2	4961.00	48.26	42.07	10.52	37.11	63.74	74.00

Frequency (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Remark
4960	63.74	74	-10.26	Peak
4960	39.01	54	-14.99	Average

Notes: there is not any harmonic but for background noise above 6GHz.