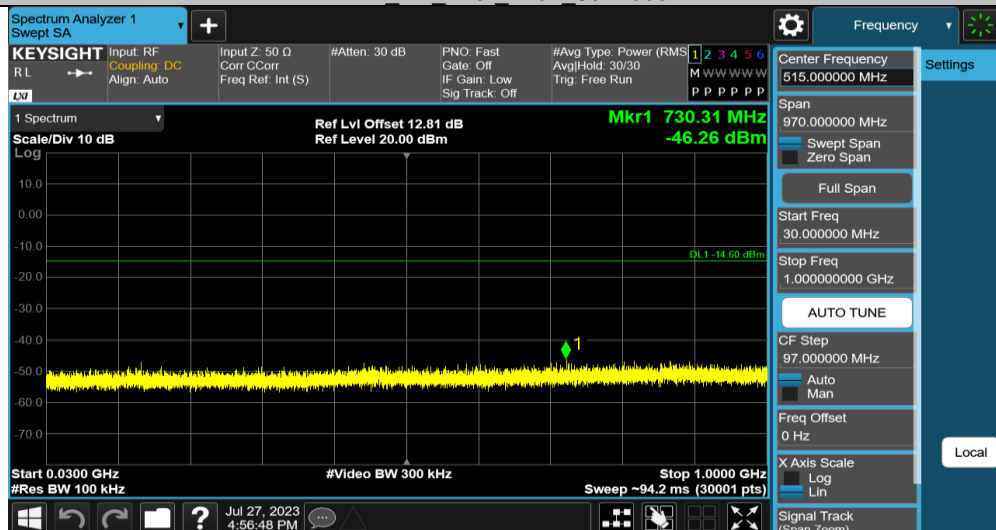
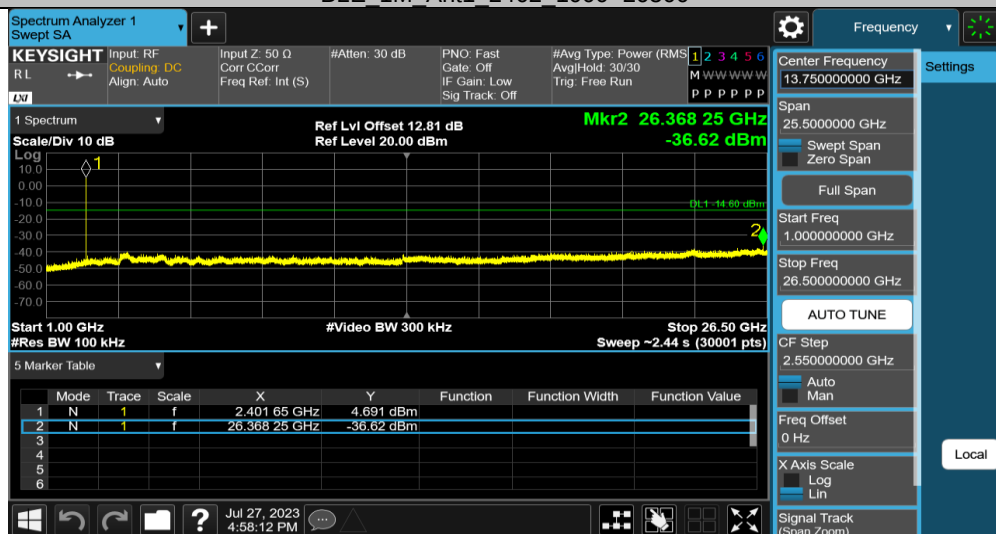




BLE 1M Ant1 2402 30~1000



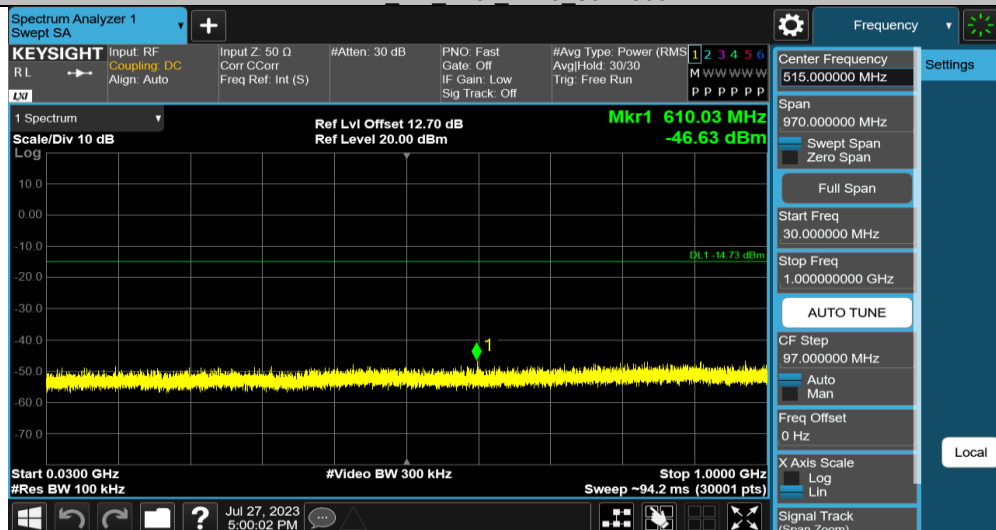
BLE 1M Ant1 2402 1000~26500



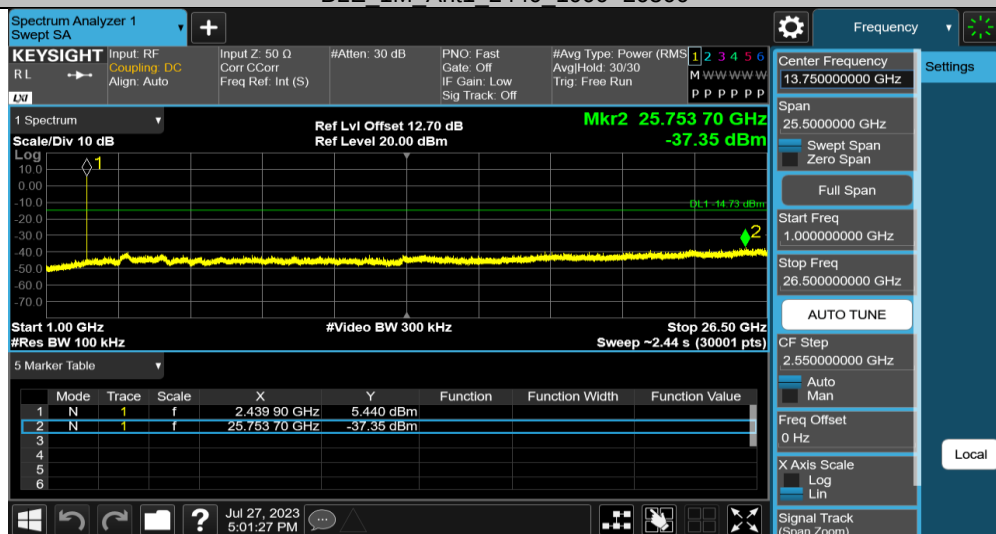
BLE 1M Ant1 2440 0~Reference



BLE 1M Ant1 2440 30~1000



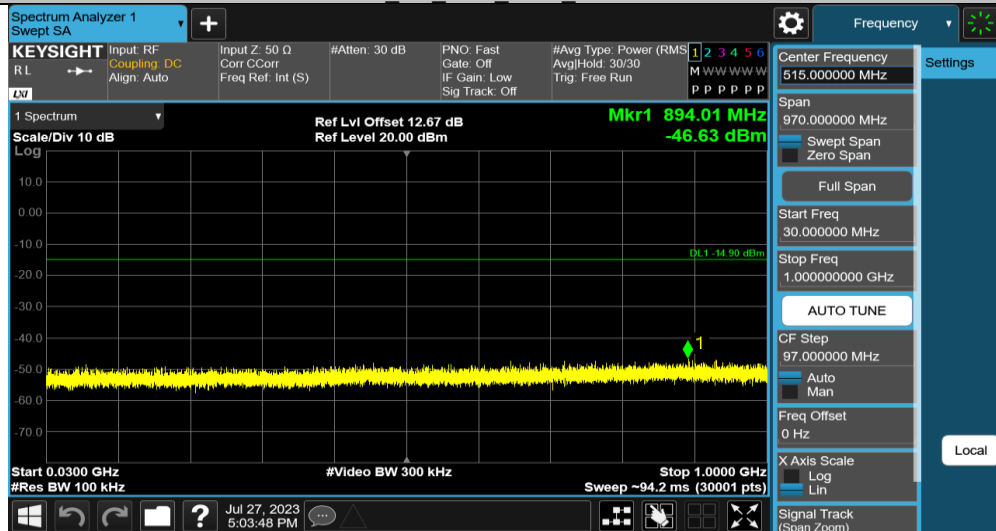
BLE 1M Ant1 2440 1000~26500



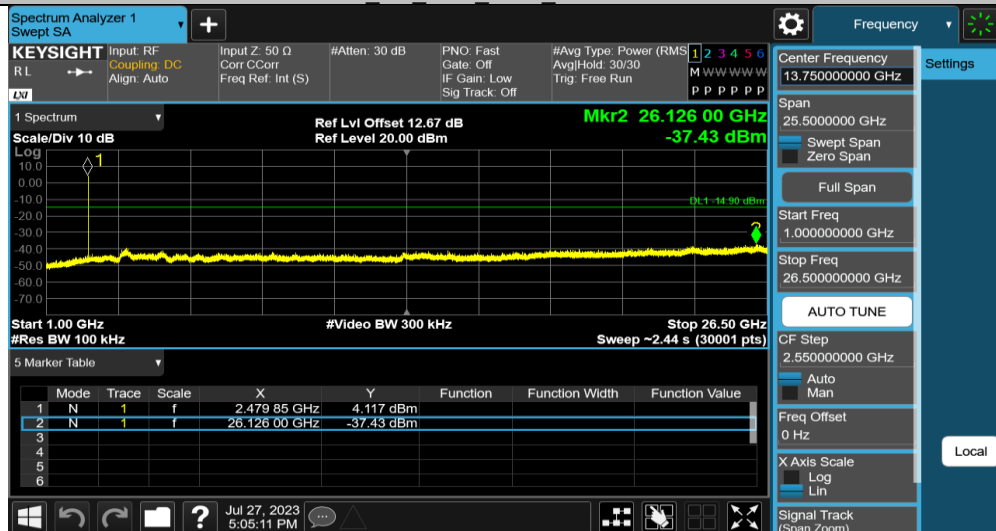
BLE 1M Ant1 2480 0~Reference



BLE 1M Ant1 2480 30~1000



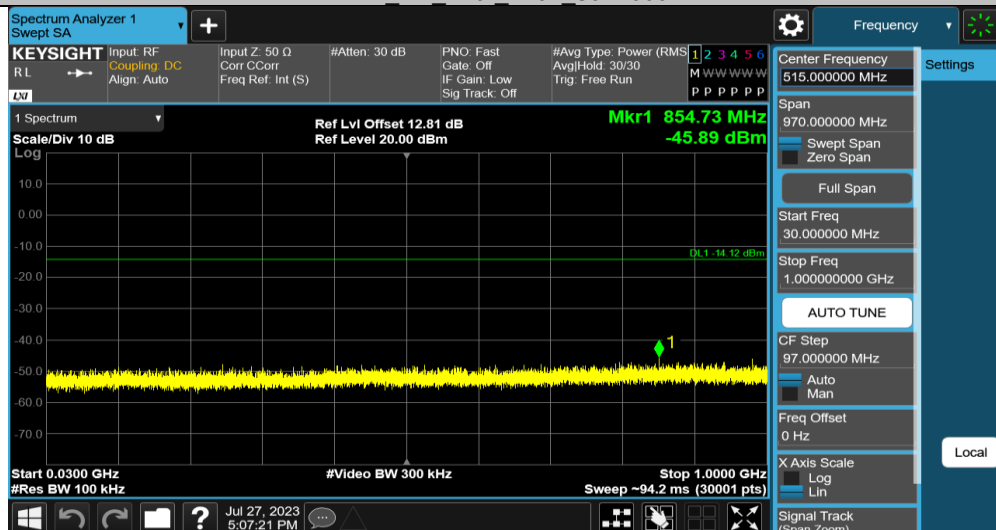
BLE 1M Ant1 2480 1000~26500



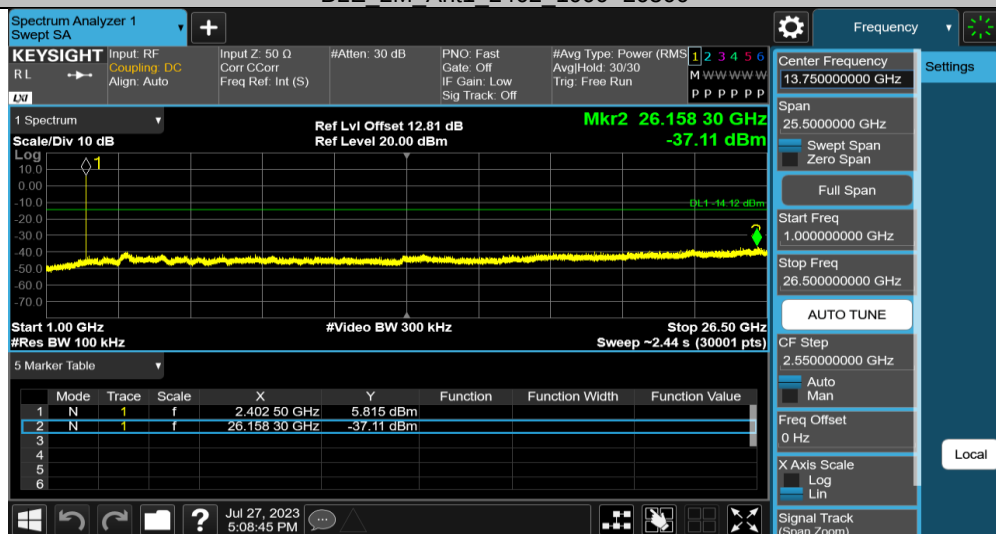
BLE 2M Ant1 2402 0~Reference



BLE 2M Ant1 2402 30~1000



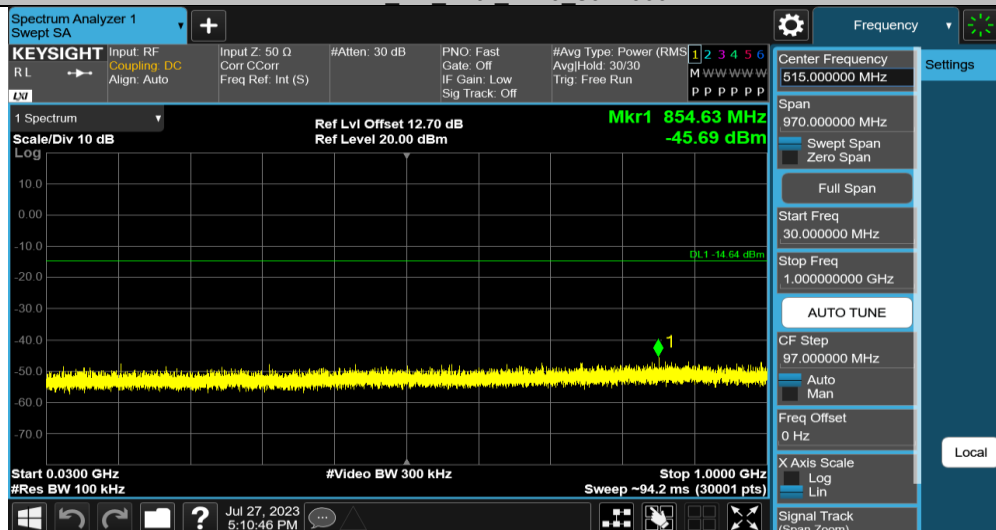
BLE 2M Ant1 2402 1000~26500



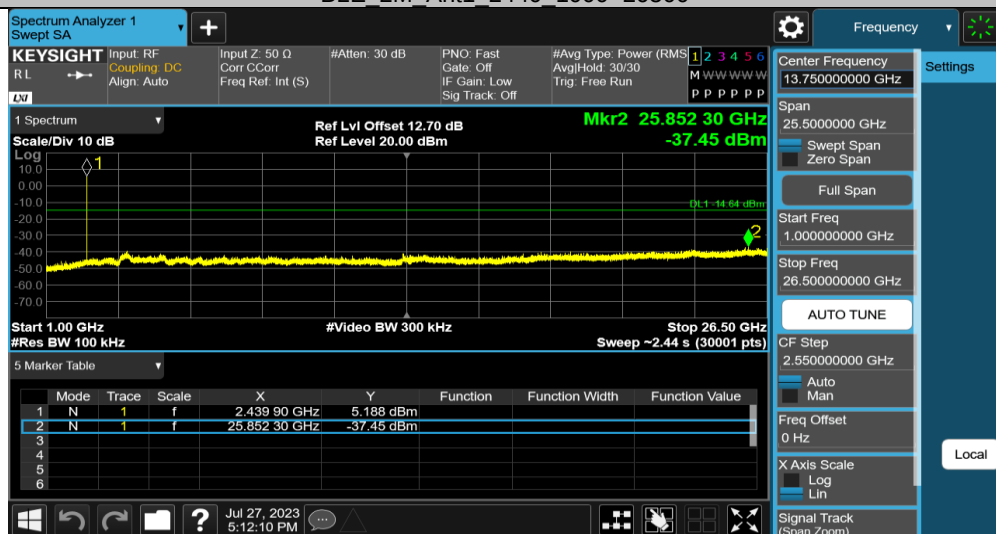
BLE 2M Ant1 2440 0~Reference



BLE 2M Ant1 2440 30~1000



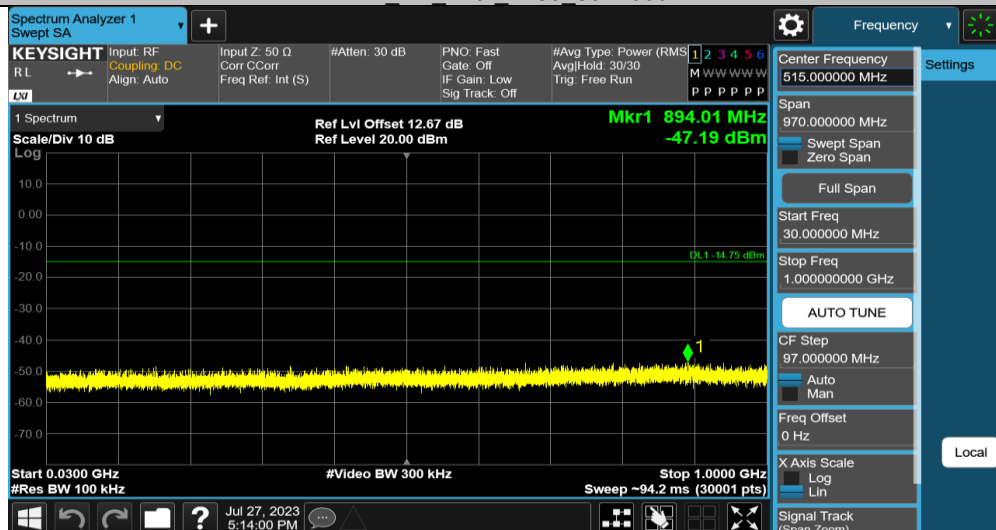
BLE 2M Ant1 2440 1000~26500



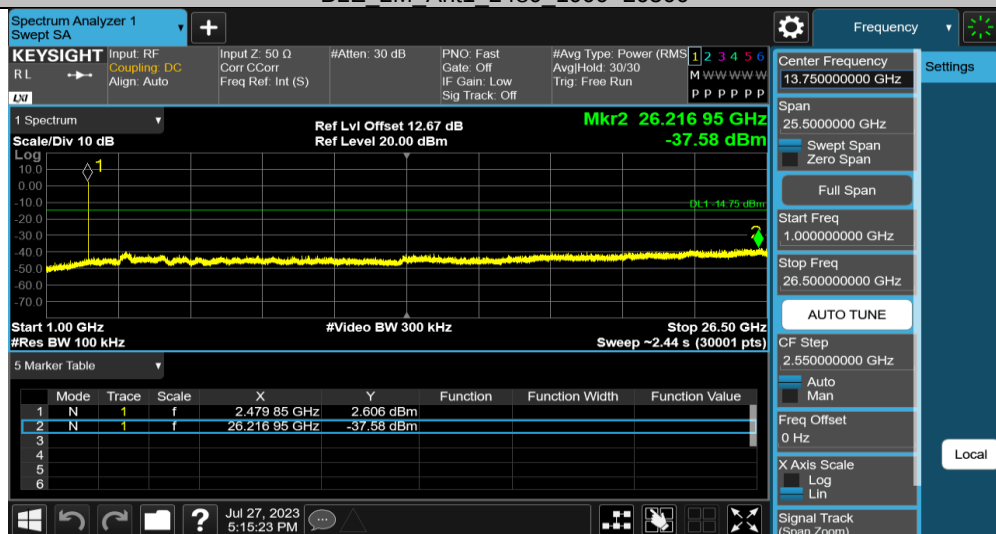
BLE 2M Ant1 2480 0~Reference



BLE 2M Ant1 2480 30~1000



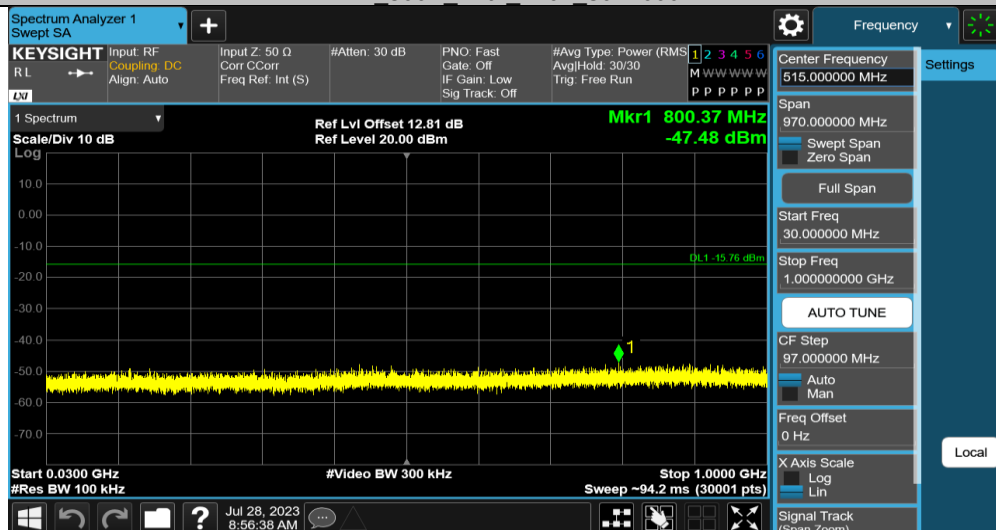
BLE 2M Ant1 2480 1000~26500



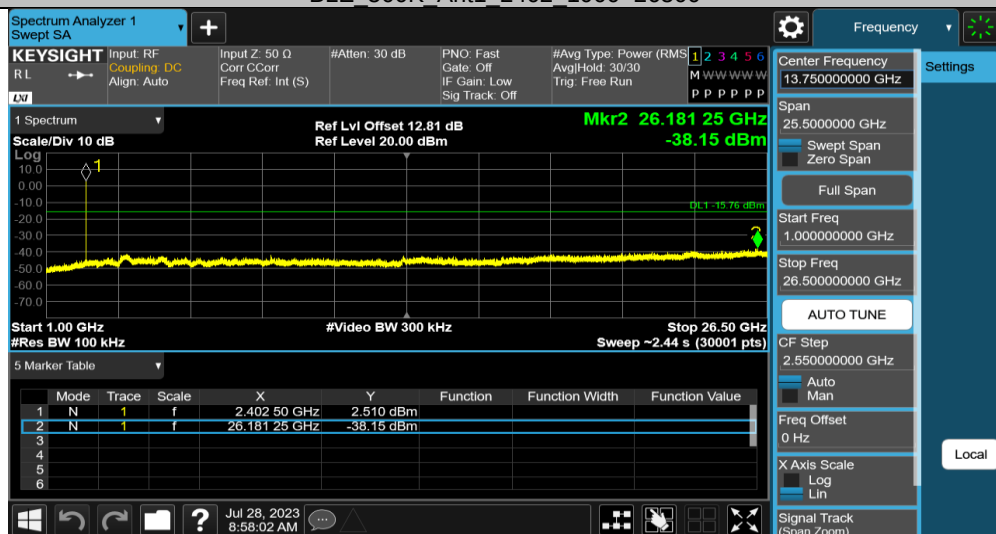
BLE_500K_Ant1_2402_0~Reference



BLE_500K_Ant1_2402_30-1000



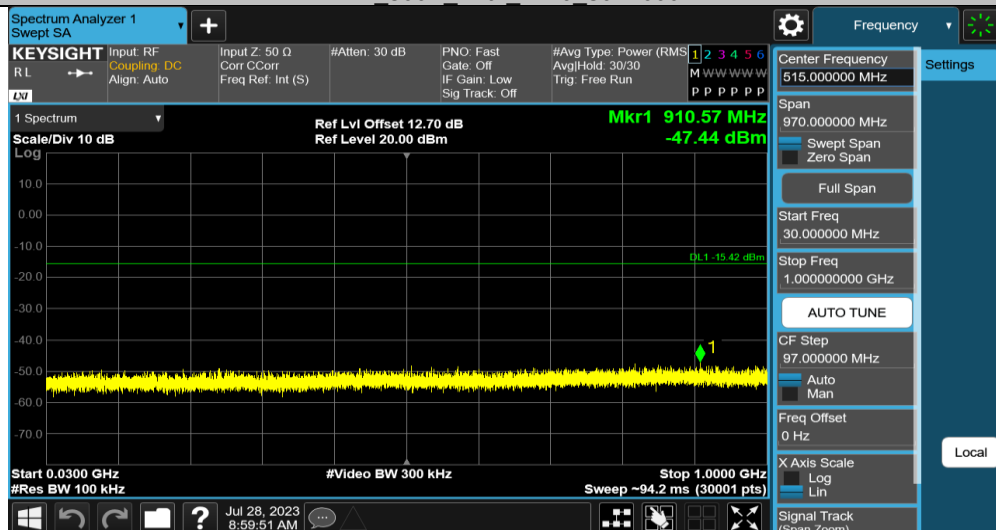
BLE_500K_Ant1_2402_1000-26500



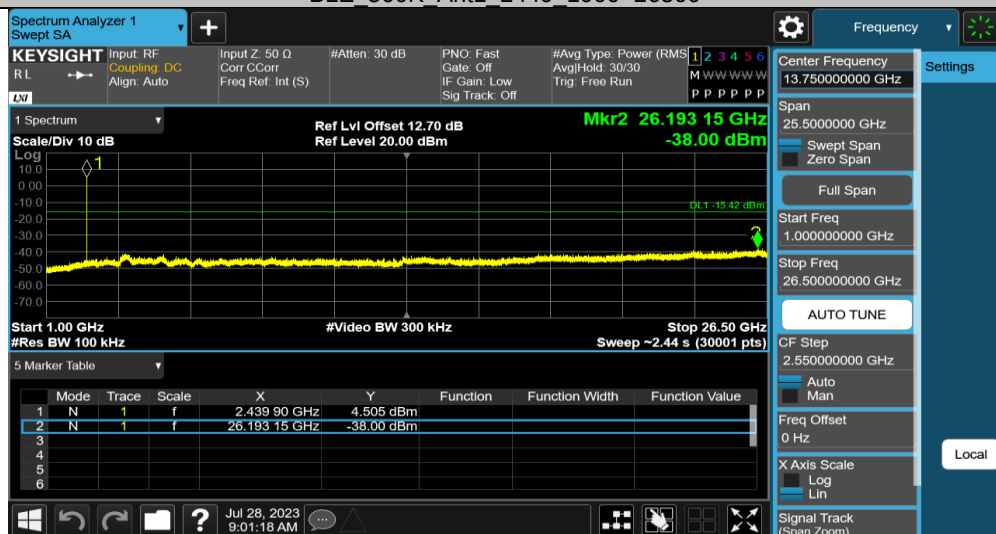
BLE_500K_Ant1_2440_0-Reference



BLE_500K_Ant1_2440_30-1000



BLE_500K_Ant1_2440_1000-26500

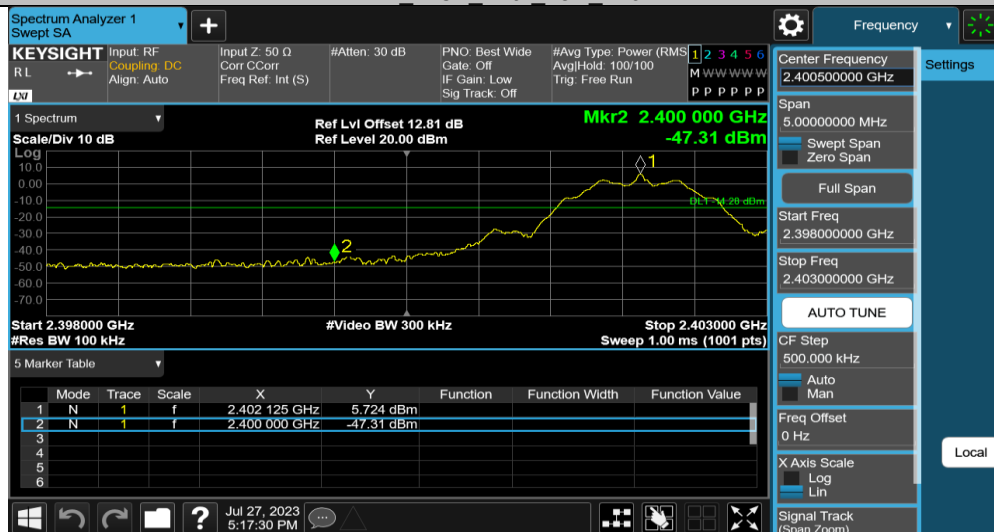


BLE_500K_Ant1_2480_0-Reference



TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_125K	Ant1	Low	2402	5.724	-47.31	≤-14.28	PASS
		High	2480	1.888	-49.85	≤-18.11	PASS
BLE_1M	Ant1	Low	2402	5.901	-46.46	≤-14.4	PASS
		High	2480	5.217	-49.93	≤-14.78	PASS
BLE_2M	Ant1	Low	2402	5.889	-34.6	≤-14.11	PASS
		High	2480	4.271	-49.5	≤-15.73	PASS
BLE_500K	Ant1	Low	2402	4.923	-49.72	≤-15.08	PASS
		High	2480	4.425	-51.3	≤-15.58	PASS

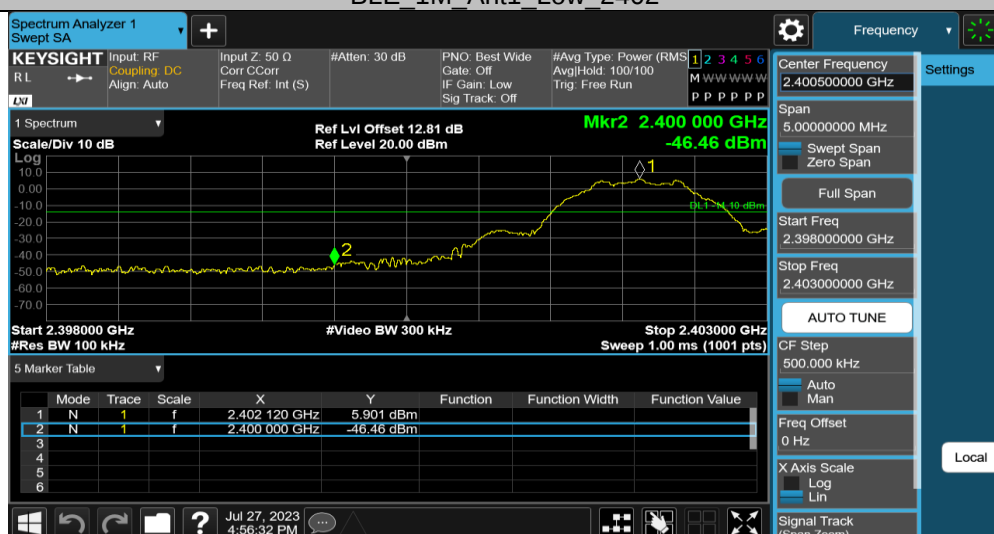
BLE_125K_Ant1_Low_2402



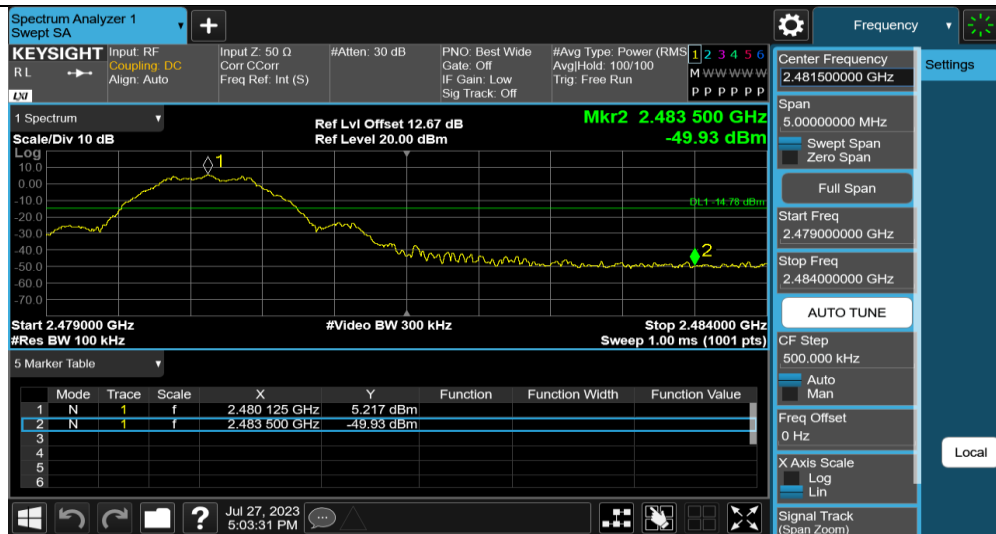
BLE_125K_Ant1_High_2480



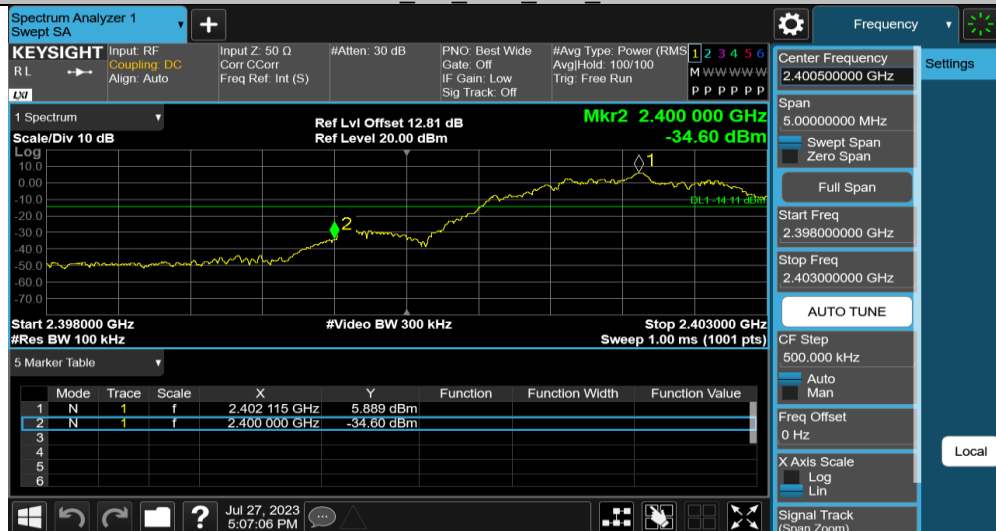
BLE_1M_Ant1_Low_2402



BLE_1M_Ant1_High_2480



BLE_2M_Ant1_Low_2402



BLE_2M_Ant1_High_2480



BLE_500K_Ant1_Low_2402



Appendix A.5: Test Results of Radiated Spurious Emissions

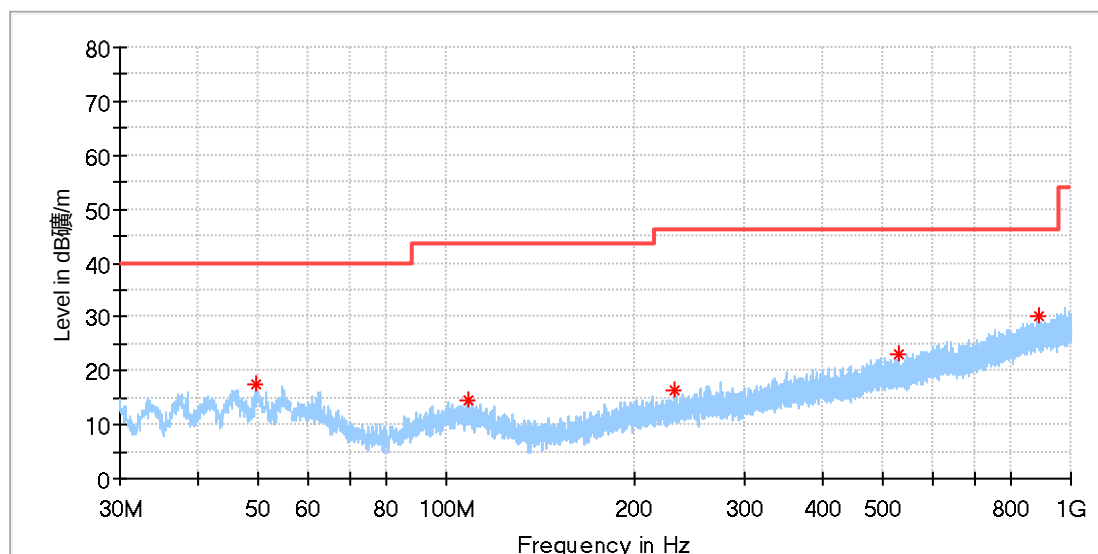
Note 1: Testing was carried out within frequency range 9 kHz to the tenth harmonics. The measurement results below 30MHz and above 18GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

All modes tested, only the worst-case reported.

Below 1GHz:

EUT Information

EUT Name:	Wireless Humidity Sensor
Model:	5911N-NX-A-A1
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168434627/A003518892-006
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

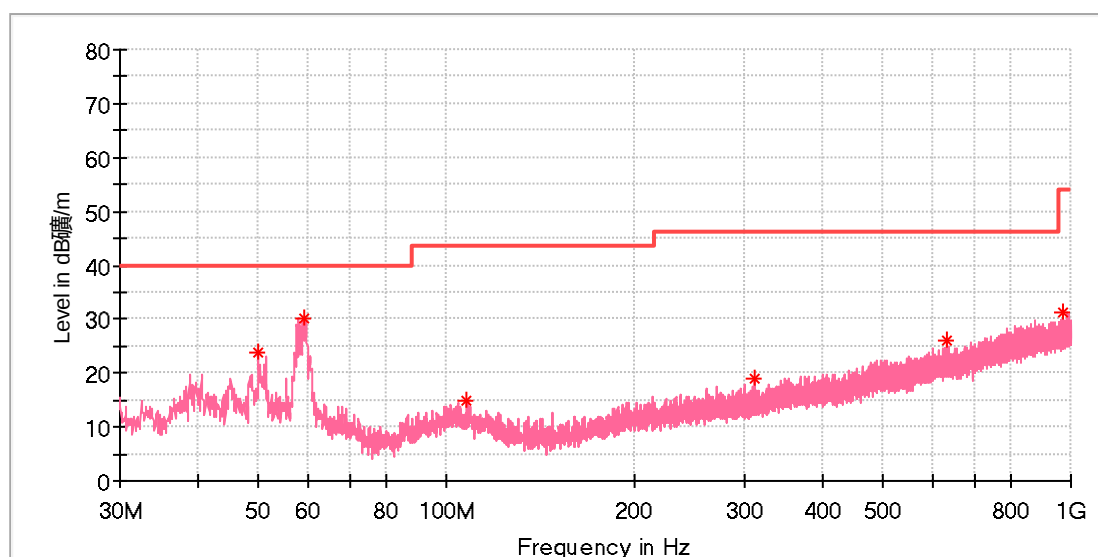
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
49.448500	17.32	40.00	22.68	100.0	H	0.0	-18.3
108.230500	14.43	43.50	29.07	100.0	H	142.0	-18.9
232.390500	16.42	46.00	29.58	100.0	H	25.0	-17.9
528.337500	23.02	46.00	22.98	100.0	H	208.0	-11.4
890.390000	30.00	46.00	16.00	100.0	H	92.0	-5.1

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---	---	---	---

EUT Information

EUT Name: Wireless Humidity Sensor
 Model: 5911N-NX-A-A1
 Test Mode: BLE 1M_Mid channel
 Order No/Sample No: 168434627/A003518892-006
 Test Voltage:: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

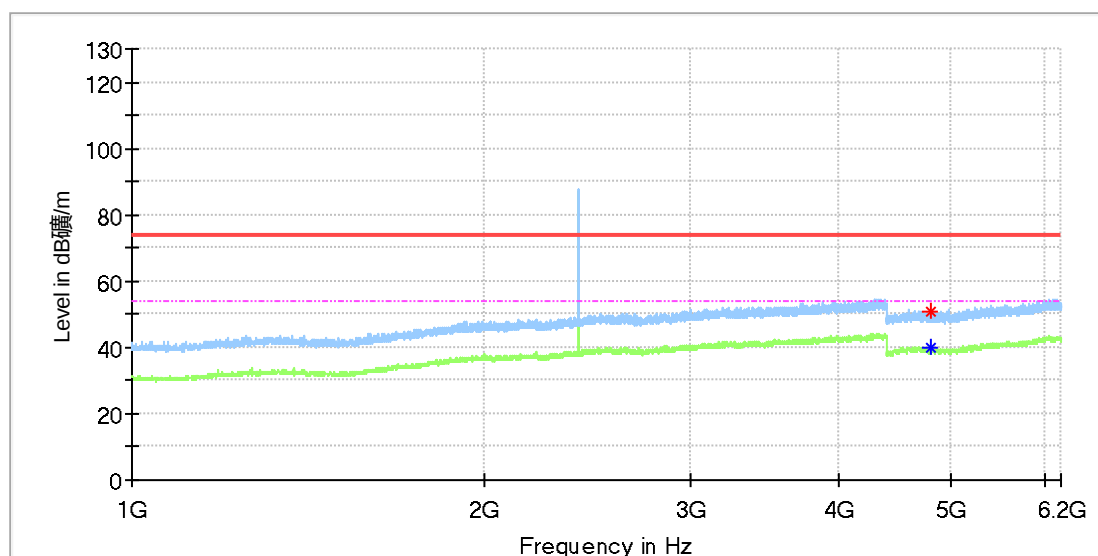
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.030500	23.92	40.00	16.08	100.0	V	311.0	-18.3
58.954500	30.17	40.00	9.83	100.0	V	236.0	-18.9
107.939500	15.04	43.50	28.46	100.0	V	217.0	-18.9
310.960500	19.14	46.00	26.86	100.0	V	228.0	-15.9
630.915000	26.01	46.00	19.99	100.0	V	298.0	-9.4
970.560500	31.41	54.00	22.59	100.0	V	236.0	-4.1

Final_Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

Above 1GHz**EUT Information**

EUT Name:	Wireless Humidity Sensor
Model:	5911N-NX-A-A1
Test Mode:	BLE 1M_Low channel
Order No./Sample No:	168434627/A003518892-006
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin

**Critical_Freqs**

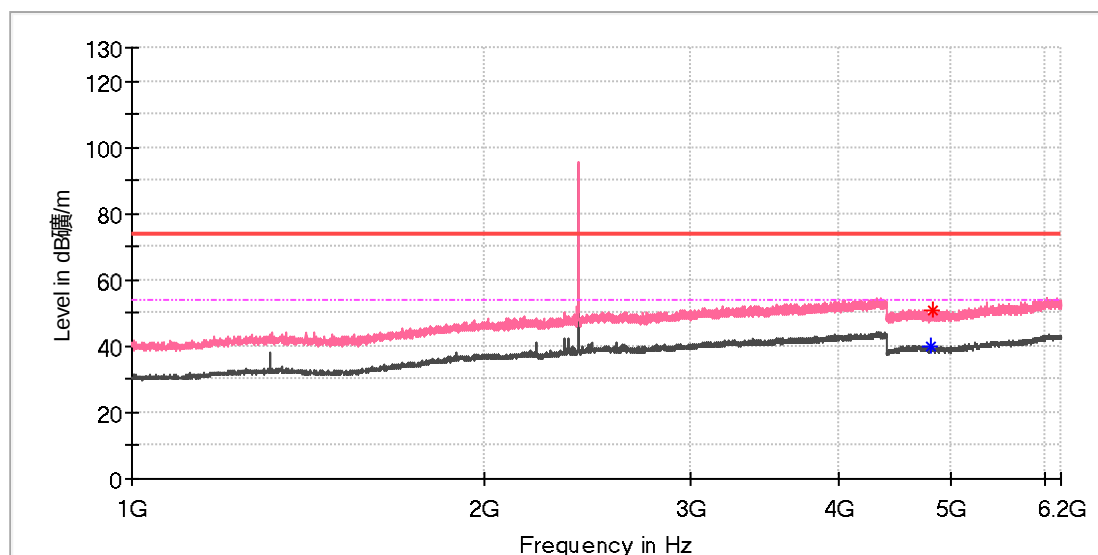
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4804.500000	---	40.06	54.00	13.94	150.0	H	200.0	11.8
4809.000000	50.75	---	74.00	23.25	150.0	H	354.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Wireless Humidity Sensor
Model:	5911N-NX-A-A1
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168434627/A003518892-006
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

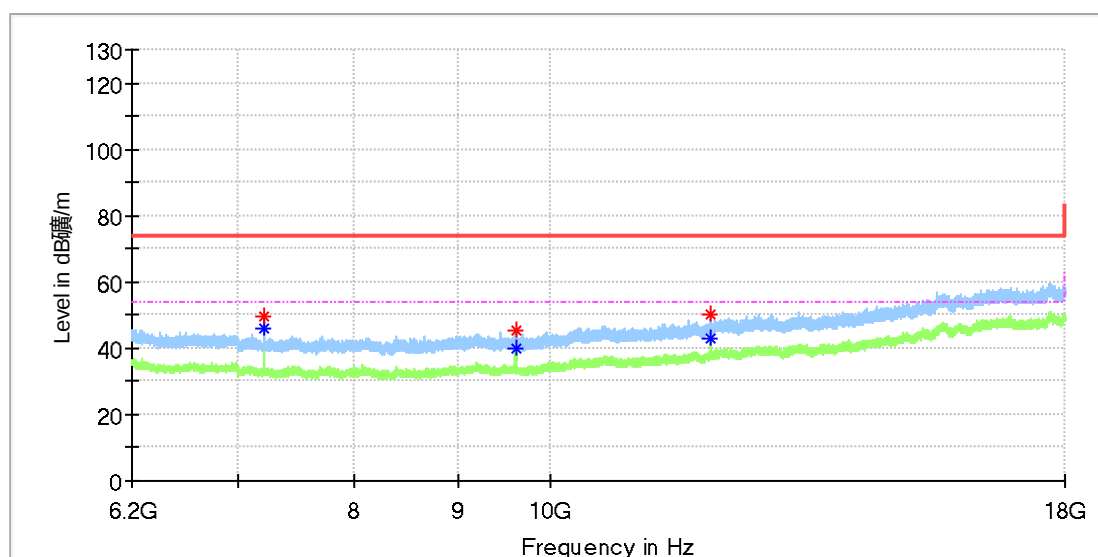
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4803.000000	---	39.92	54.00	14.08	150.0	V	237.0	11.8
4814.500000	50.52	---	74.00	23.48	150.0	V	357.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Wireless Humidity Sensor
 Model: 5911N-NX-A-A1
 Test Mode: BLE 1M_Low channel
 Order No/Sample No: 168434627/A003518892-006
 Test Voltage:: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

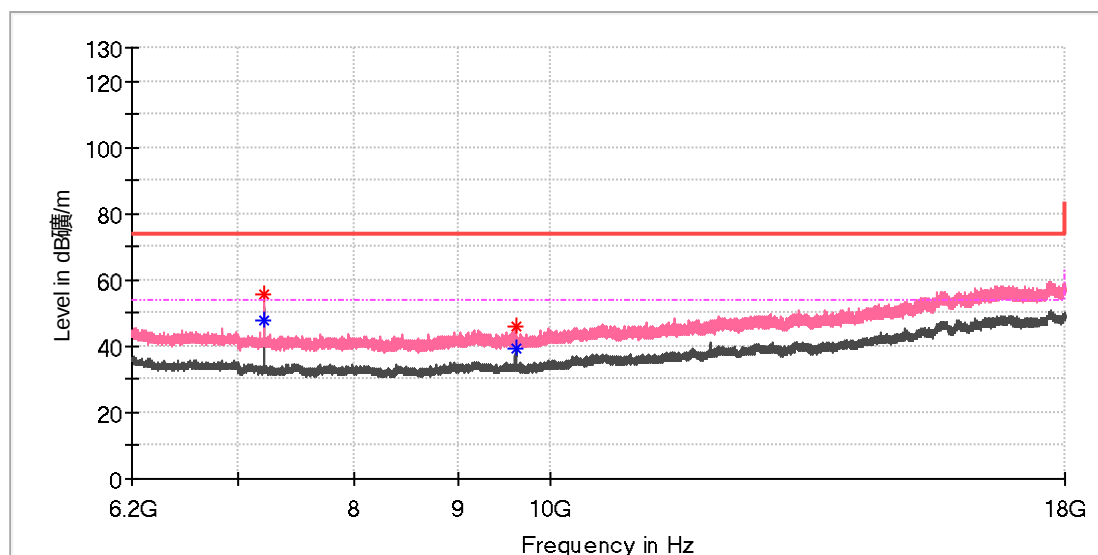
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.458333	---	45.87	54.00	8.13	150.0	H	226.0	8.8
7206.933333	49.85	---	74.00	24.15	150.0	H	226.0	8.8
9607.741667	---	39.85	54.00	14.15	150.0	H	105.0	10.4
9609.216667	45.31	---	74.00	28.69	150.0	H	105.0	10.4
12009.533333	50.26	---	74.00	23.74	150.0	H	105.0	14.0
12009.533333	---	42.87	54.00	11.13	150.0	H	105.0	14.0

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Wireless Humidity Sensor
Model:	5911N-NX-A-A1
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168434627/A003518892-006
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

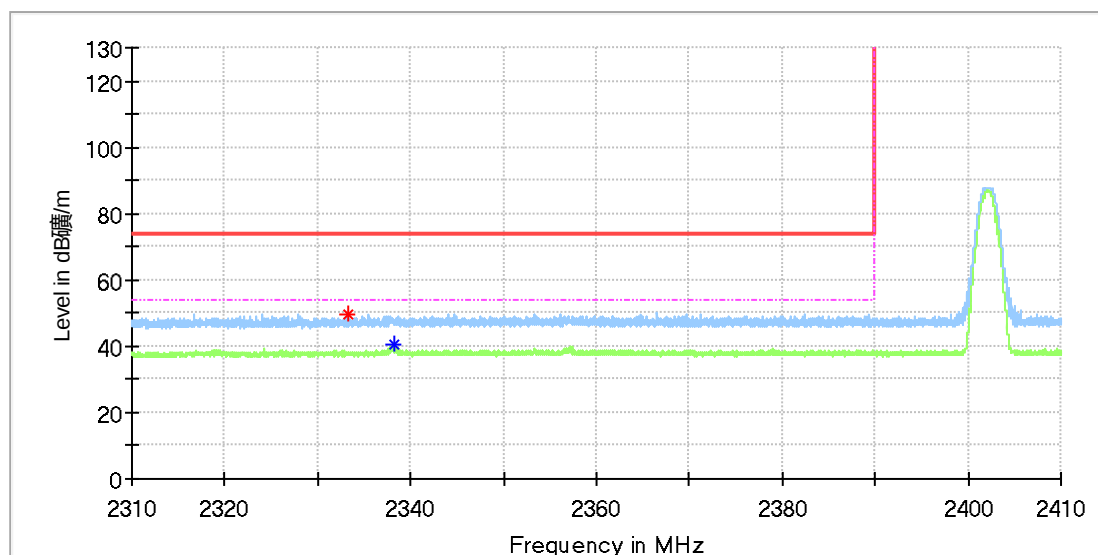
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7205.458333	55.45	---	74.00	18.55	150.0	V	94.0	8.8
7206.441667	---	47.64	54.00	6.36	150.0	V	94.0	8.8
9608.725000	---	39.06	54.00	14.94	150.0	V	176.0	10.4
9609.708333	45.75	---	74.00	28.25	150.0	V	212.0	10.4

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Wireless Humidity Sensor
Model:	5911N-NX-A-A1
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168434627/A003518892-006
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

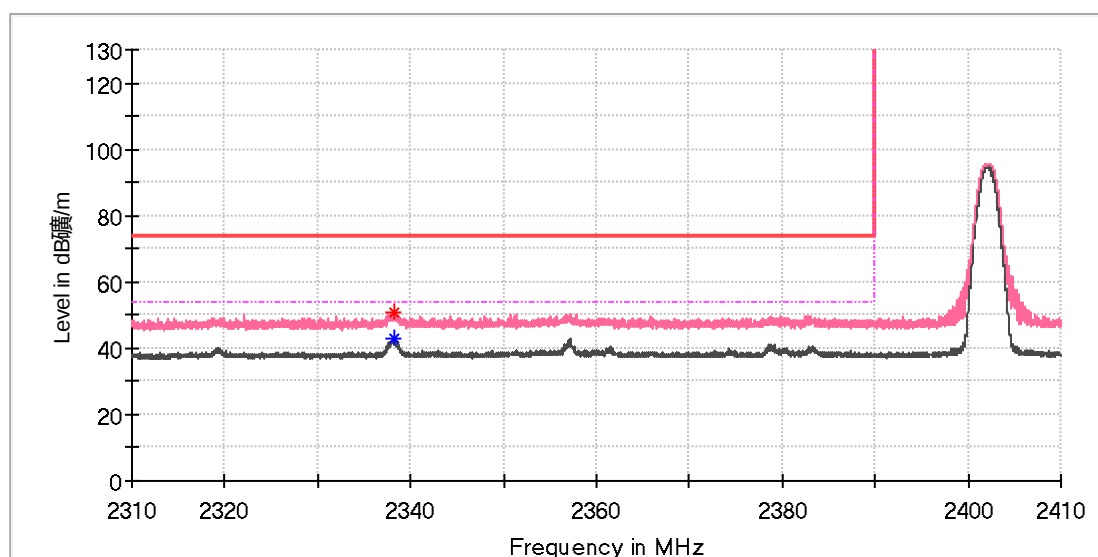
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2333.205882	49.60	---	74.00	24.40	150.0	H	95.0	6.7
2338.338235	---	40.33	54.00	13.67	150.0	H	241.0	6.8

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Wireless Humidity Sensor
Model:	5911N-NX-A-A1
Test Mode:	BLE 1M_Low channel
Order No/Sample No:	168434627/A003518892-006
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

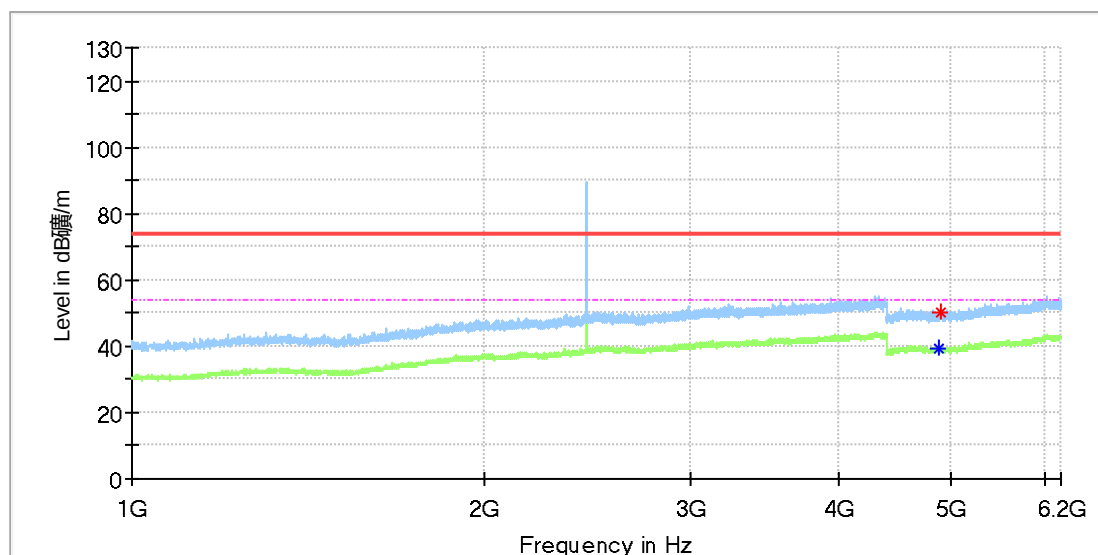
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2338.205882	50.62	---	74.00	23.38	150.0	V	307.0	6.8
2338.250000	---	42.72	54.00	11.28	150.0	V	2.0	6.8

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name:	Wireless Humidity Sensor
Model:	5911N-NX-A-A1
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168434627/A003518892-006
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

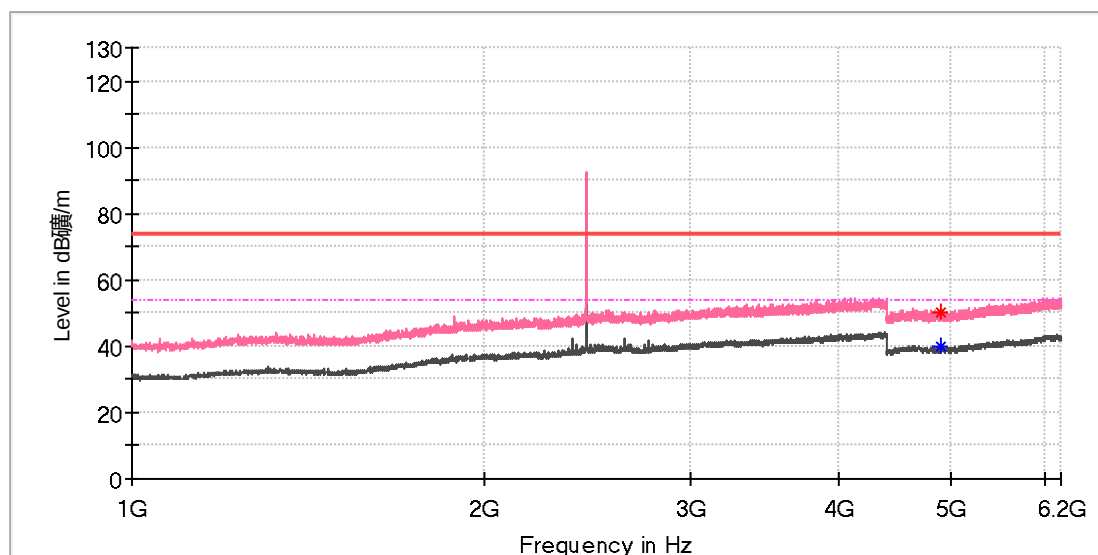
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4869.000000	---	39.46	54.00	14.54	150.0	H	326.0	11.8
4890.000000	50.33	---	74.00	23.67	150.0	H	319.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Wireless Humidity Sensor
 Model: 5911N-NX-A-A1
 Test Mode: BLE 1M_Mid channel
 Order No/Sample No: 168434627/A003518892-006
 Test Voltage:: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

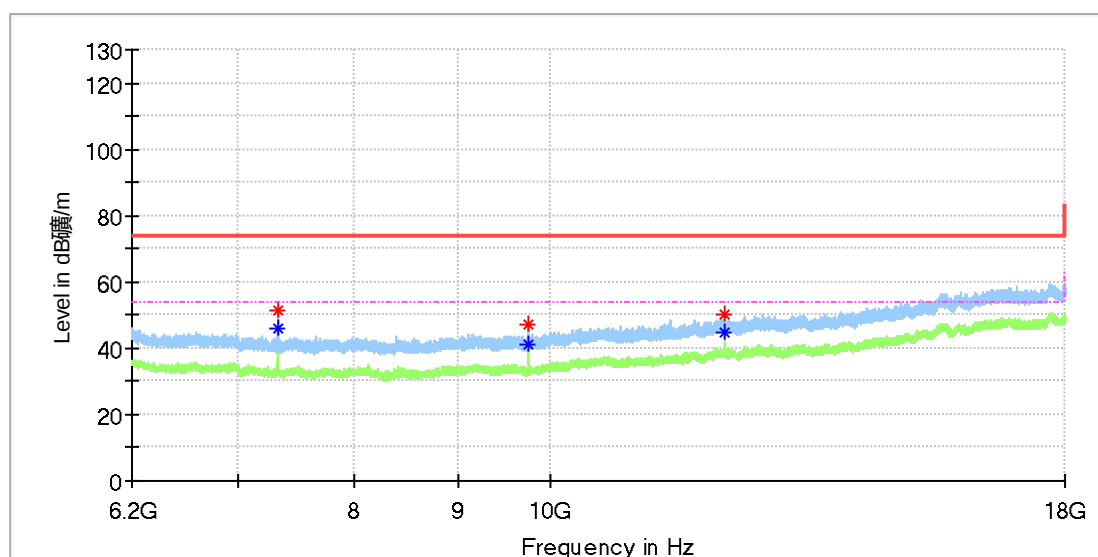
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4897.000000	---	40.15	54.00	13.85	150.0	V	352.0	11.8
4904.500000	50.43	---	74.00	23.57	150.0	V	185.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Wireless Humidity Sensor
 Model: 5911N-NX-A-A1
 Test Mode: BLE 1M_Mid channel
 Order No/Sample No: 168434627/A003518892-006
 Test Voltage:: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

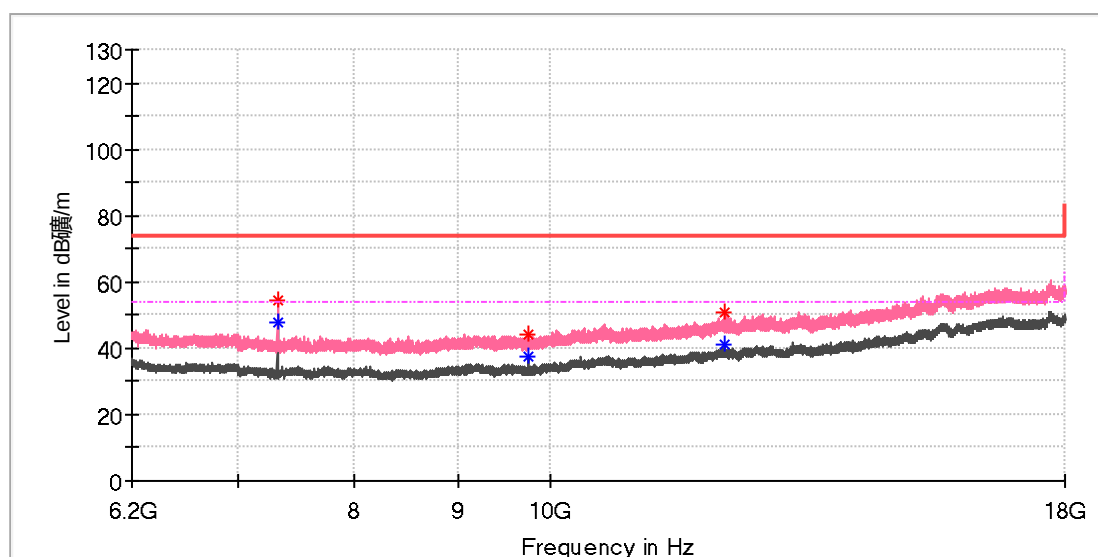
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7319.525000	---	45.95	54.00	8.05	150.0	H	238.0	8.2
7320.016667	51.15	---	74.00	22.85	150.0	H	238.0	8.2
9760.650000	46.98	---	74.00	27.02	150.0	H	99.0	10.4
9760.650000	---	40.94	54.00	13.06	150.0	H	99.0	10.4
12200.791667	50.06	---	74.00	23.94	150.0	H	99.0	14.7
12200.791667	---	44.90	54.00	9.10	150.0	H	99.0	14.7

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

EUT Information

EUT Name: Wireless Humidity Sensor
 Model: 5911N-NX-A-A1
 Test Mode: BLE 1M_Mid channel
 Order No/Sample No: 168434627/A003518892-006
 Test Voltage:: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

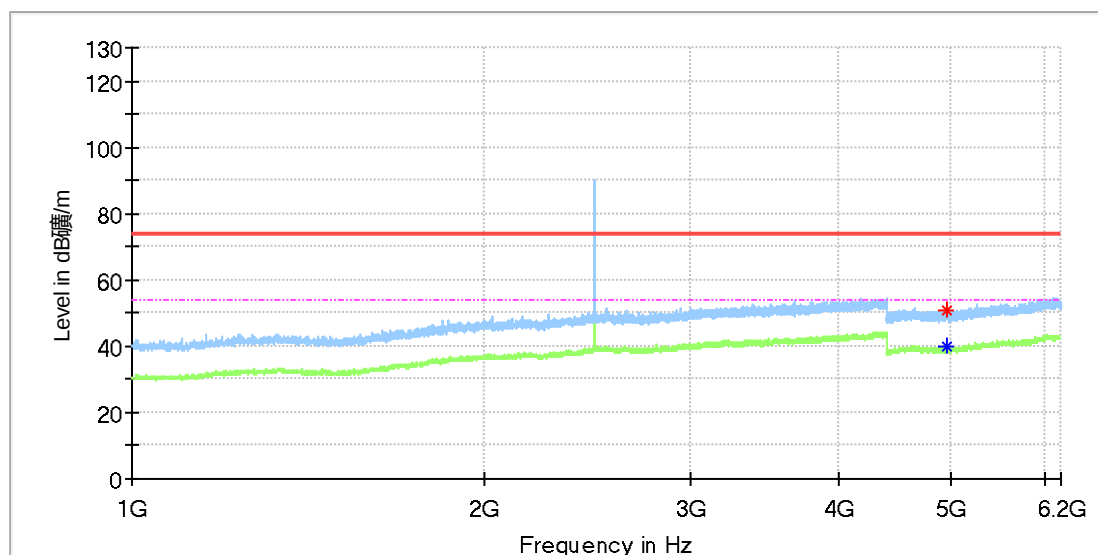
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7319.525000	---	47.90	54.00	6.10	150.0	V	158.0	8.2
7320.508333	54.13	---	74.00	19.87	150.0	V	158.0	8.2
9761.141667	44.03	---	74.00	29.97	150.0	V	231.0	10.4
9761.141667	---	37.61	54.00	16.39	150.0	V	231.0	10.4
12199.316667	---	41.28	54.00	12.72	150.0	V	158.0	14.7
12199.808333	50.95	---	74.00	23.05	150.0	V	158.0	14.7

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name: Wireless Humidity Sensor
 Model: 5911N-NX-A-A1
 Test Mode: BLE 1M_High channel
 Order No/Sample No: 168434627/A003518892-006
 Test Voltage:: Battery
 Remark: Temp 24 Humi:50%
 Test Standard: FCC 15.247
 Tested By: Kei Zhang
 Reviewed By: Terry Yin



Critical_Freqs

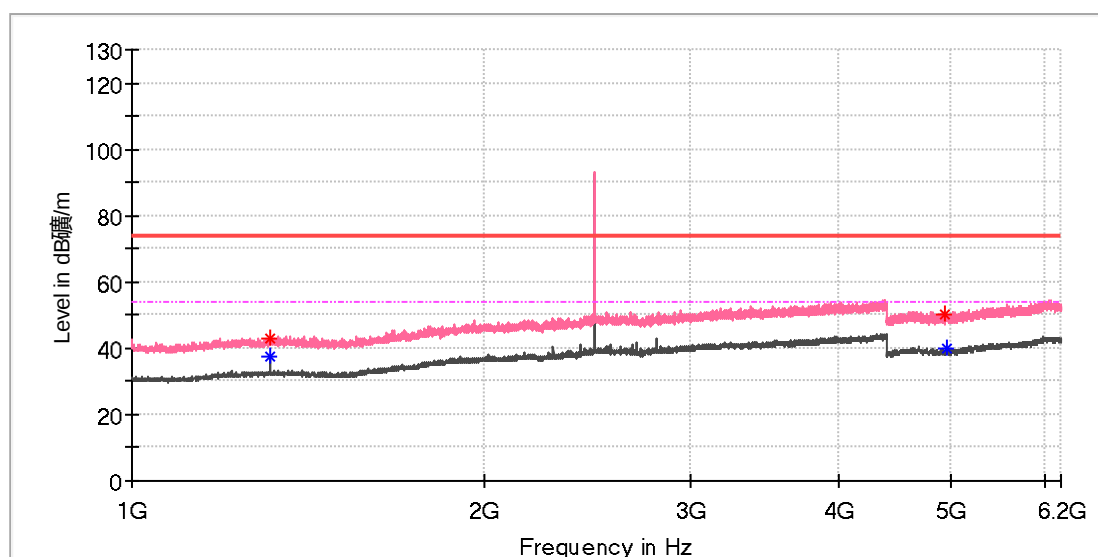
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4959.500000	---	39.71	54.00	14.29	150.0	H	255.0	11.8
4964.000000	50.72	---	74.00	23.28	150.0	H	188.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
---	---	---	---	---		---	---

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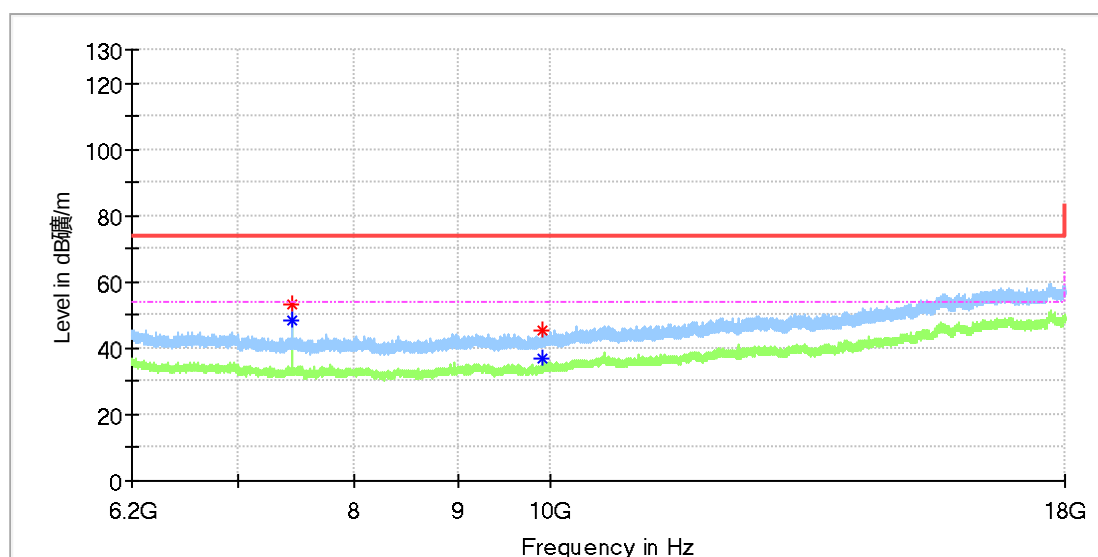
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1312.500000	43.11	---	74.00	30.89	150.0	V	196.0	2.0
1312.500000	---	37.64	54.00	16.36	150.0	V	196.0	2.0
4944.000000	50.29	---	74.00	23.71	150.0	V	130.0	11.8
4959.500000	---	40.02	54.00	13.98	150.0	V	116.0	11.8

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

EUT Name:	Wireless Humidity Sensor
Model:	5911N-NX-A-A1
Test Mode:	BLE 1M_High channel
Order No/Sample No:	168434627/A003518892-006
Test Voltage::	Battery
Remark:	Temp 24 Humi:50%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical_Freqs

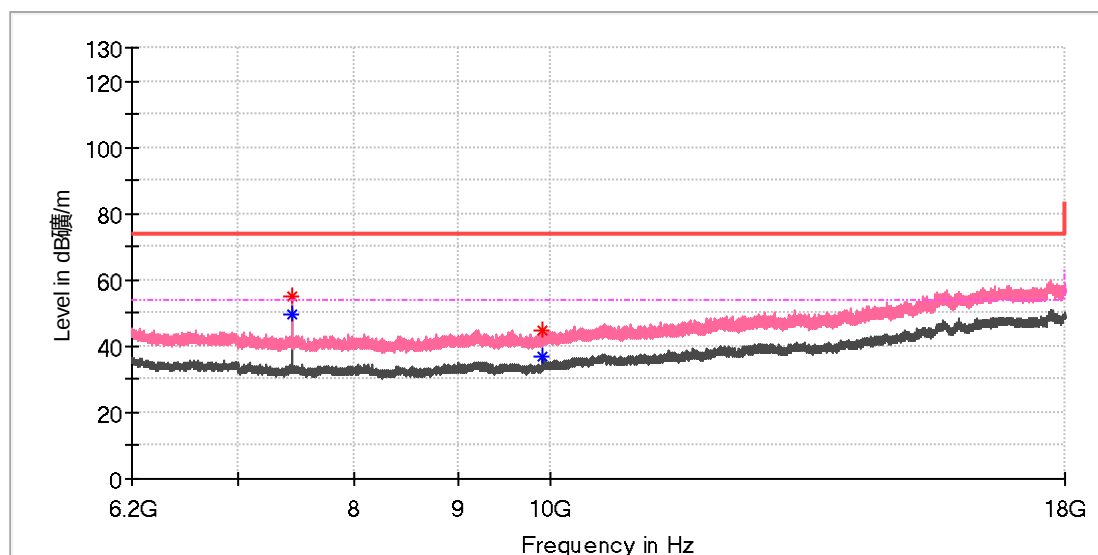
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.491667	53.47	---	74.00	20.53	150.0	H	0.0	8.4
7440.475000	---	48.14	54.00	5.86	150.0	H	0.0	8.4
9918.966667	45.10	---	74.00	28.90	150.0	H	174.0	10.8
9918.966667	---	37.00	54.00	17.00	150.0	H	174.0	10.8

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

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 Order No/Sample No: 168434627/A003518892-006
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Critical_Freqs

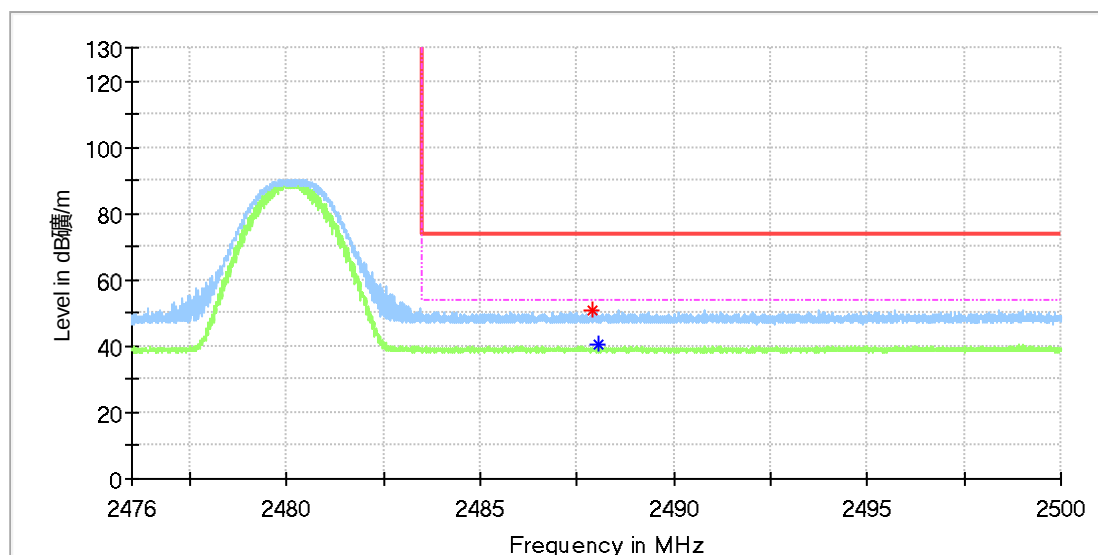
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7439.491667	54.80	---	74.00	19.20	150.0	V	101.0	8.4
7439.983333	---	49.67	54.00	4.33	150.0	V	89.0	8.4
9919.458333	44.96	---	74.00	29.04	150.0	V	161.0	10.8
9919.458333	---	36.72	54.00	17.28	150.0	V	161.0	10.8

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

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Critical_Freqs

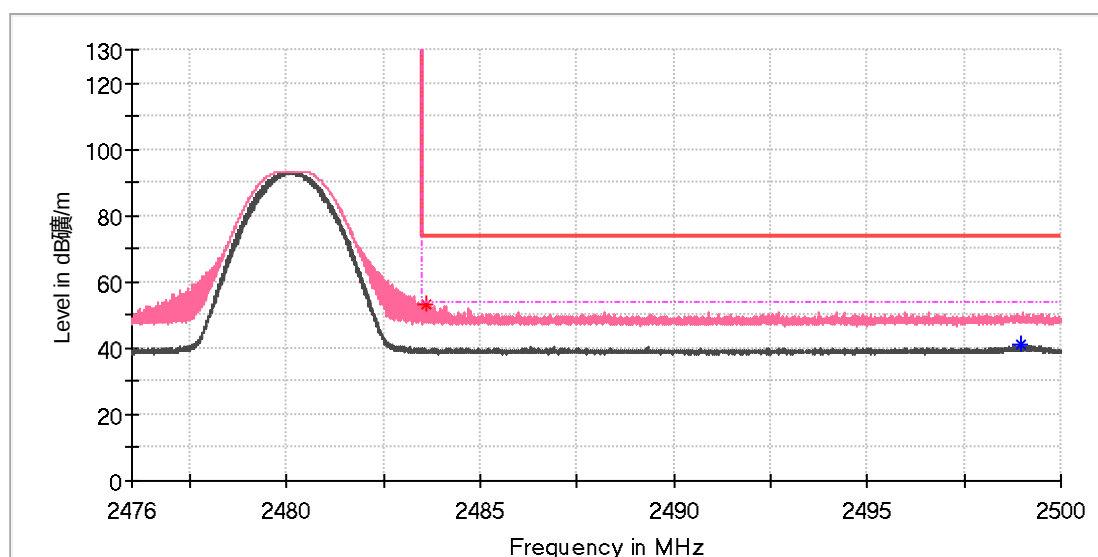
Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2487.883530	50.93	---	74.00	23.07	150.0	H	79.0	7.4
2488.045882	---	40.23	54.00	13.77	150.0	H	163.0	7.4

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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EUT Information

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Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.609412	53.07	---	74.00	20.93	150.0	V	235.0	7.4
2498.983529	---	41.06	54.00	12.94	150.0	V	221.0	7.4

Final_Result

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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