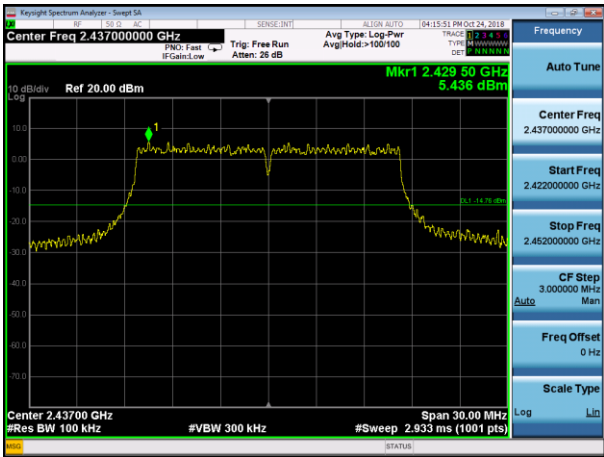
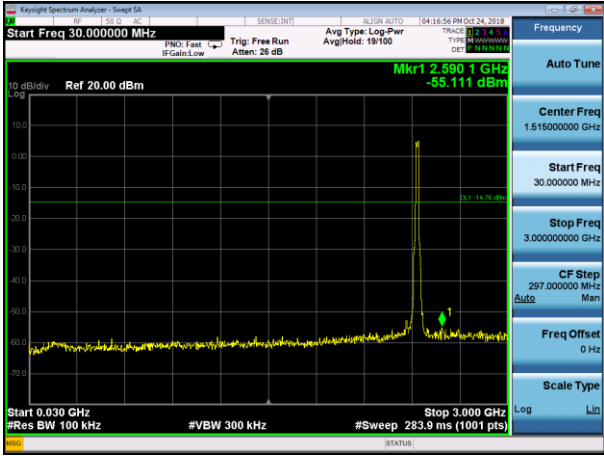
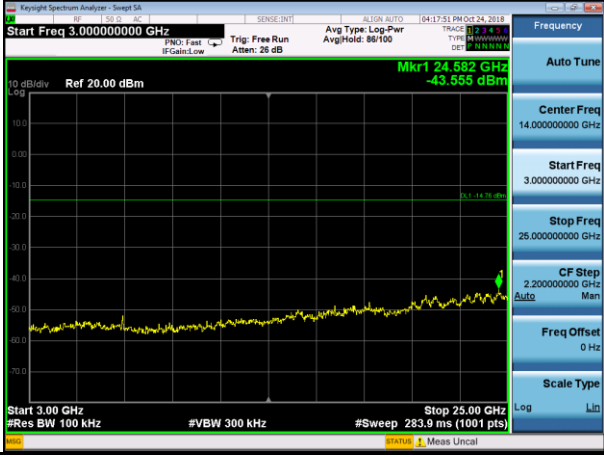
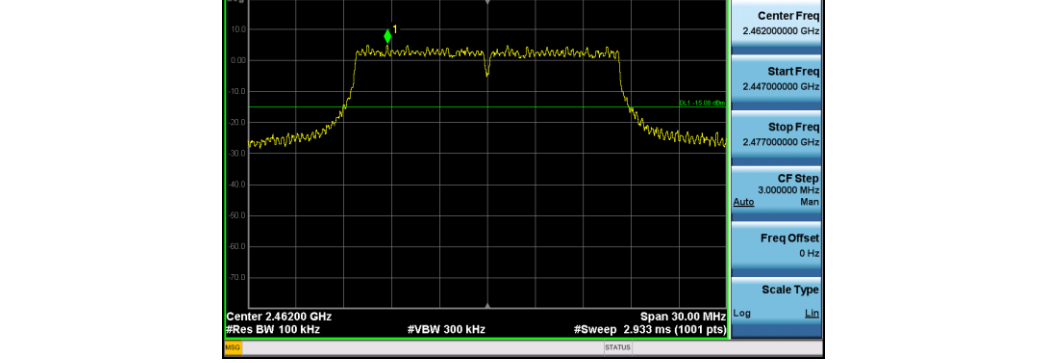
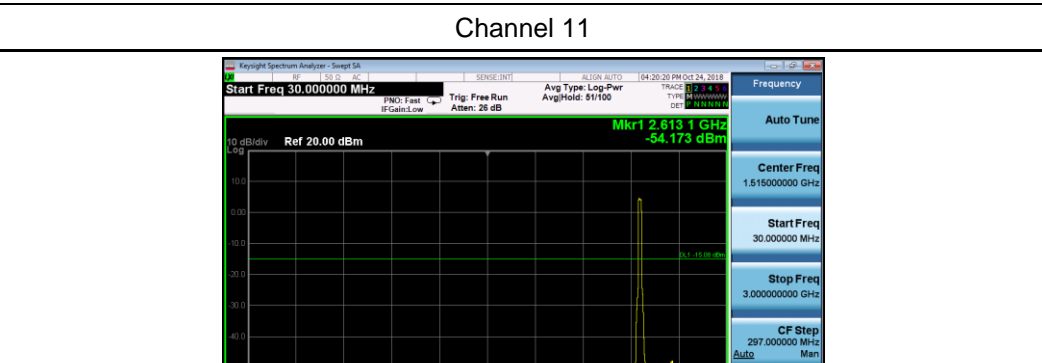
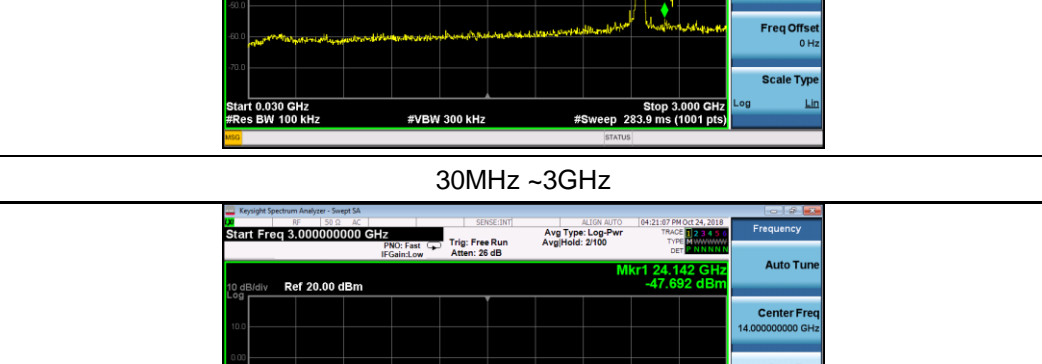
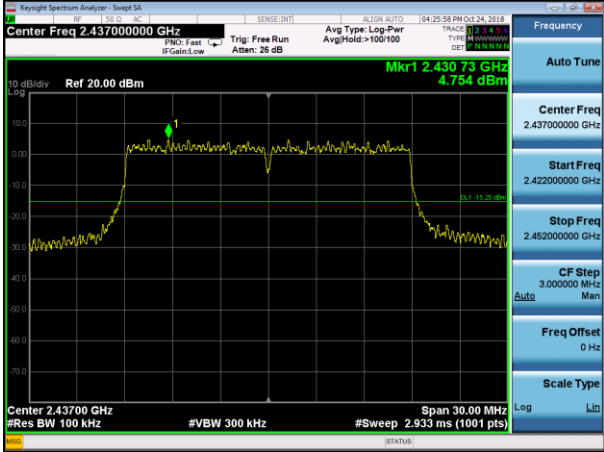
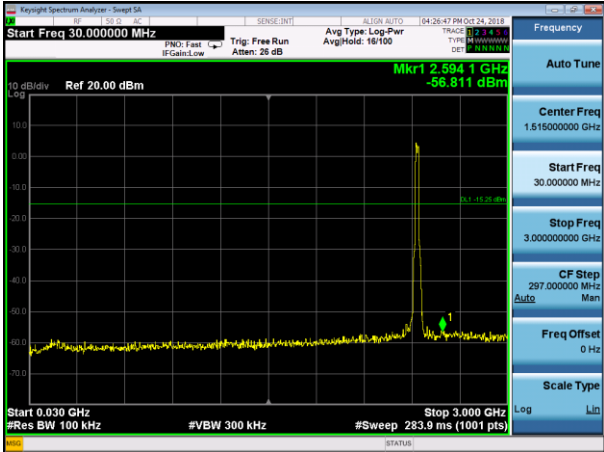
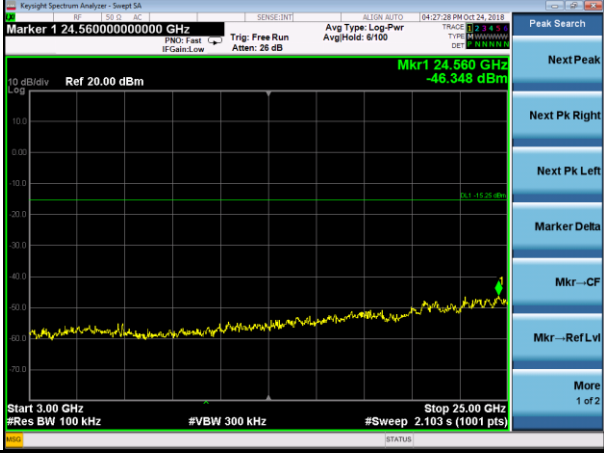


Test Mode:	802.11g	Test channel :	06
			
Channel 06			
			
30MHz ~3GHz			
			
3GHz~25GHz			

Test Mode:	802.11g	Test channel :	11
 <p>Channel 11</p>			
 <p>30MHz ~3GHz</p>			
 <p>3GHz~25GHz</p>			

Test Mode:	802.11n HT20	Test channel :	01								
<div><div><div><div>KeySight Spectrum Analyzer - Swept SA</div><div><div>Start Freq 2.397000000 GHz</div><div>Stop Freq 2.427000000 GHz</div><div>Center Freq 2.412000000 GHz</div><div>CF Step 3.000000 MHz</div><div>Freq Offset 0 Hz</div><div>Scale Type Log</div></div><div><div>10 dB/div</div><div>Ref 20.00 dBm</div><div>Mkr1 2.413 28 GHz</div><div>5.370 dBm</div><div>Start 2.39700 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>#Sweep 2.933 ms (1001 pts)</div></div><div><div>Frequency</div><div>Auto Tune</div><div>Center Freq 2.412000000 GHz</div><div>Start Freq 2.397000000 GHz</div><div>Stop Freq 2.427000000 GHz</div><div>CF Step 3.000000 MHz</div><div>Auto</div><div>Freq Offset 0 Hz</div><div>Scale Type Log</div></div></div></div><div>Channel 01</div><tr><td colspan="4"><div><div><div><div>KeySight Spectrum Analyzer - Swept SA</div><div><div>Start Freq 30.00000000 MHz</div><div>Stop Freq 3.000000000 GHz</div><div>Center Freq 1.515000000 GHz</div><div>CF Step 297.000000 MHz</div><div>Freq Offset 0 Hz</div><div>Scale Type Log</div></div><div><div>10 dB/div</div><div>Ref 20.00 dBm</div><div>Mkr1 2.569 4 GHz</div><div>-56.646 dBm</div><div>Start 0.030 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>#Sweep 283.9 ms (1001 pts)</div></div><div><div>Frequency</div><div>Auto Tune</div><div>Center Freq 1.515000000 GHz</div><div>Start Freq 30.00000000 MHz</div><div>Stop Freq 3.000000000 GHz</div><div>CF Step 297.000000 MHz</div><div>Auto</div><div>Freq Offset 0 Hz</div><div>Scale Type Log</div></div></div></div><div>30MHz ~3GHz</div><tr><td colspan="4"><div><div><div><div>KeySight Spectrum Analyzer - Swept SA</div><div><div>Start Freq 3.000000000 GHz</div><div>Stop Freq 25.000000000 GHz</div><div>Center Freq 14.000000000 GHz</div><div>CF Step 2.200000000 GHz</div><div>Freq Offset 0 Hz</div><div>Scale Type Log</div></div><div><div>10 dB/div</div><div>Ref 20.00 dBm</div><div>Mkr1 24.560 GHz</div><div>-47.038 dBm</div><div>Start 3.00 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>#Sweep 2.103 s (1001 pts)</div></div><div><div>Frequency</div><div>Auto Tune</div><div>Center Freq 14.000000000 GHz</div><div>Start Freq 3.000000000 GHz</div><div>Stop Freq 25.000000000 GHz</div><div>CF Step 2.200000000 GHz</div><div>Auto</div><div>Freq Offset 0 Hz</div><div>Scale Type Log</div></div></div></div><div>3GHz~25GHz</div></div></td></tr></div></td></tr></div>				<div><div><div><div>KeySight Spectrum Analyzer - Swept SA</div><div><div>Start Freq 30.00000000 MHz</div><div>Stop Freq 3.000000000 GHz</div><div>Center Freq 1.515000000 GHz</div><div>CF Step 297.000000 MHz</div><div>Freq Offset 0 Hz</div><div>Scale Type Log</div></div><div><div>10 dB/div</div><div>Ref 20.00 dBm</div><div>Mkr1 2.569 4 GHz</div><div>-56.646 dBm</div><div>Start 0.030 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>#Sweep 283.9 ms (1001 pts)</div></div><div><div>Frequency</div><div>Auto Tune</div><div>Center Freq 1.515000000 GHz</div><div>Start Freq 30.00000000 MHz</div><div>Stop Freq 3.000000000 GHz</div><div>CF Step 297.000000 MHz</div><div>Auto</div><div>Freq Offset 0 Hz</div><div>Scale Type Log</div></div></div></div><div>30MHz ~3GHz</div><tr><td colspan="4"><div><div><div><div>KeySight Spectrum Analyzer - Swept SA</div><div><div>Start Freq 3.000000000 GHz</div><div>Stop Freq 25.000000000 GHz</div><div>Center Freq 14.000000000 GHz</div><div>CF Step 2.200000000 GHz</div><div>Freq Offset 0 Hz</div><div>Scale Type Log</div></div><div><div>10 dB/div</div><div>Ref 20.00 dBm</div><div>Mkr1 24.560 GHz</div><div>-47.038 dBm</div><div>Start 3.00 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>#Sweep 2.103 s (1001 pts)</div></div><div><div>Frequency</div><div>Auto Tune</div><div>Center Freq 14.000000000 GHz</div><div>Start Freq 3.000000000 GHz</div><div>Stop Freq 25.000000000 GHz</div><div>CF Step 2.200000000 GHz</div><div>Auto</div><div>Freq Offset 0 Hz</div><div>Scale Type Log</div></div></div></div><div>3GHz~25GHz</div></div></td></tr></div>				<div><div><div><div>KeySight Spectrum Analyzer - Swept SA</div><div><div>Start Freq 3.000000000 GHz</div><div>Stop Freq 25.000000000 GHz</div><div>Center Freq 14.000000000 GHz</div><div>CF Step 2.200000000 GHz</div><div>Freq Offset 0 Hz</div><div>Scale Type Log</div></div><div><div>10 dB/div</div><div>Ref 20.00 dBm</div><div>Mkr1 24.560 GHz</div><div>-47.038 dBm</div><div>Start 3.00 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>#Sweep 2.103 s (1001 pts)</div></div><div><div>Frequency</div><div>Auto Tune</div><div>Center Freq 14.000000000 GHz</div><div>Start Freq 3.000000000 GHz</div><div>Stop Freq 25.000000000 GHz</div><div>CF Step 2.200000000 GHz</div><div>Auto</div><div>Freq Offset 0 Hz</div><div>Scale Type Log</div></div></div></div><div>3GHz~25GHz</div></div>			
<div><div><div><div>KeySight Spectrum Analyzer - Swept SA</div><div><div>Start Freq 30.00000000 MHz</div><div>Stop Freq 3.000000000 GHz</div><div>Center Freq 1.515000000 GHz</div><div>CF Step 297.000000 MHz</div><div>Freq Offset 0 Hz</div><div>Scale Type Log</div></div><div><div>10 dB/div</div><div>Ref 20.00 dBm</div><div>Mkr1 2.569 4 GHz</div><div>-56.646 dBm</div><div>Start 0.030 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>#Sweep 283.9 ms (1001 pts)</div></div><div><div>Frequency</div><div>Auto Tune</div><div>Center Freq 1.515000000 GHz</div><div>Start Freq 30.00000000 MHz</div><div>Stop Freq 3.000000000 GHz</div><div>CF Step 297.000000 MHz</div><div>Auto</div><div>Freq Offset 0 Hz</div><div>Scale Type Log</div></div></div></div><div>30MHz ~3GHz</div><tr><td colspan="4"><div><div><div><div>KeySight Spectrum Analyzer - Swept SA</div><div><div>Start Freq 3.000000000 GHz</div><div>Stop Freq 25.000000000 GHz</div><div>Center Freq 14.000000000 GHz</div><div>CF Step 2.200000000 GHz</div><div>Freq Offset 0 Hz</div><div>Scale Type Log</div></div><div><div>10 dB/div</div><div>Ref 20.00 dBm</div><div>Mkr1 24.560 GHz</div><div>-47.038 dBm</div><div>Start 3.00 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>#Sweep 2.103 s (1001 pts)</div></div><div><div>Frequency</div><div>Auto Tune</div><div>Center Freq 14.000000000 GHz</div><div>Start Freq 3.000000000 GHz</div><div>Stop Freq 25.000000000 GHz</div><div>CF Step 2.200000000 GHz</div><div>Auto</div><div>Freq Offset 0 Hz</div><div>Scale Type Log</div></div></div></div><div>3GHz~25GHz</div></div></td></tr></div>				<div><div><div><div>KeySight Spectrum Analyzer - Swept SA</div><div><div>Start Freq 3.000000000 GHz</div><div>Stop Freq 25.000000000 GHz</div><div>Center Freq 14.000000000 GHz</div><div>CF Step 2.200000000 GHz</div><div>Freq Offset 0 Hz</div><div>Scale Type Log</div></div><div><div>10 dB/div</div><div>Ref 20.00 dBm</div><div>Mkr1 24.560 GHz</div><div>-47.038 dBm</div><div>Start 3.00 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>#Sweep 2.103 s (1001 pts)</div></div><div><div>Frequency</div><div>Auto Tune</div><div>Center Freq 14.000000000 GHz</div><div>Start Freq 3.000000000 GHz</div><div>Stop Freq 25.000000000 GHz</div><div>CF Step 2.200000000 GHz</div><div>Auto</div><div>Freq Offset 0 Hz</div><div>Scale Type Log</div></div></div></div><div>3GHz~25GHz</div></div>							
<div><div><div><div>KeySight Spectrum Analyzer - Swept SA</div><div><div>Start Freq 3.000000000 GHz</div><div>Stop Freq 25.000000000 GHz</div><div>Center Freq 14.000000000 GHz</div><div>CF Step 2.200000000 GHz</div><div>Freq Offset 0 Hz</div><div>Scale Type Log</div></div><div><div>10 dB/div</div><div>Ref 20.00 dBm</div><div>Mkr1 24.560 GHz</div><div>-47.038 dBm</div><div>Start 3.00 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>#Sweep 2.103 s (1001 pts)</div></div><div><div>Frequency</div><div>Auto Tune</div><div>Center Freq 14.000000000 GHz</div><div>Start Freq 3.000000000 GHz</div><div>Stop Freq 25.000000000 GHz</div><div>CF Step 2.200000000 GHz</div><div>Auto</div><div>Freq Offset 0 Hz</div><div>Scale Type Log</div></div></div></div><div>3GHz~25GHz</div></div>											

Test Mode:	802.11n HT20	Test channel :	06
			
Channel 06			
			
30MHz ~3GHz			
			
3GHz~25GHz			

Test Mode:	802.11n HT20	Test channel :	11
<div><div><div><div><div><div>KeySight Spectrum Analyzer - Swept SA</div><div>100 MHz</div><div>100 kHz</div><div>20 dB</div><div>10 dB/div</div><div>Log</div><div>Ref 20.00 dBm</div><div>Center Freq 2.462000000 GHz</div><div>Marker 1 2.454 60 GHz</div><div>4.383 dBm</div><div>10.0</div><div>0.00</div><div>-10.0</div><div>-20.0</div><div>-30.0</div><div>-40.0</div><div>-50.0</div><div>-60.0</div><div>-70.0</div><div>Center 2.46200 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Span 30.00 MHz</div><div>#Sweep 2.933 ms (1001 pts)</div><div>STATUS</div></div><div><div>SENSE [INT]</div><div>ALGN AUTO</div><div>04:40:42 PM Oct 24, 2018</div><div>Trig: Free Run</div><div>Avg Type: Log-Per</div><div>Avg Hold: 100/100</div><div>TYPE MWWW</div><div>DET P</div><div>10.0</div><div>0.00</div><div>-10.0</div><div>-20.0</div><div>-30.0</div><div>-40.0</div><div>-50.0</div><div>-60.0</div><div>-70.0</div><div>Marker 1 2.454 60 GHz</div><div>4.383 dBm</div><div>10.0</div><div>0.00</div><div>-10.0</div><div>-20.0</div><div>-30.0</div><div>-40.0</div><div>-50.0</div><div>-60.0</div><div>-70.0</div><div>Center 2.46200 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Span 30.00 MHz</div><div>#Sweep 2.933 ms (1001 pts)</div><div>STATUS</div></div><div><div>Frequency</div><div>Auto Tune</div><div>Center Freq</div><div>2.462000000 GHz</div><div>Start Freq</div><div>2.447000000 GHz</div><div>Stop Freq</div><div>2.477000000 GHz</div><div>CF Step</div><div>3.000000 MHz</div><div>Auto</div><div>Man</div><div>Freq Offset</div><div>0 Hz</div><div>Scale Type</div><div>Log</div><div>Lin</div></div></div></div></div><div>Channel 11</div></div>			
<div><div><div><div><div><div>KeySight Spectrum Analyzer - Swept SA</div><div>100 MHz</div><div>100 kHz</div><div>20 dB</div><div>10 dB/div</div><div>Log</div><div>Ref 20.00 dBm</div><div>Marker 1 2.6139000000000 GHz</div><div>-53.976 dBm</div><div>10.0</div><div>0.00</div><div>-10.0</div><div>-20.0</div><div>-30.0</div><div>-40.0</div><div>-50.0</div><div>-60.0</div><div>-70.0</div><div>Start 0.030 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Stop 3.000 GHz</div><div>#Sweep 283.9 ms (1001 pts)</div><div>STATUS</div></div><div><div>SENSE [INT]</div><div>ALGN AUTO</div><div>04:42:44 PM Oct 24, 2018</div><div>Trig: Free Run</div><div>Avg Type: Log-Per</div><div>Avg Hold: 45/100</div><div>TYPE MWWW</div><div>DET P</div><div>10.0</div><div>0.00</div><div>-10.0</div><div>-20.0</div><div>-30.0</div><div>-40.0</div><div>-50.0</div><div>-60.0</div><div>-70.0</div><div>Marker 1 2.613 9 GHz</div><div>-53.976 dBm</div><div>10.0</div><div>0.00</div><div>-10.0</div><div>-20.0</div><div>-30.0</div><div>-40.0</div><div>-50.0</div><div>-60.0</div><div>-70.0</div><div>Start 0.030 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Stop 3.000 GHz</div><div>#Sweep 283.9 ms (1001 pts)</div><div>STATUS</div></div><div><div>Marker</div><div>Select Marker</div><div>1</div><div>Normal</div><div>Delta</div><div>Fixed</div><div>Off</div><div>Properties</div><div>More</div><div>1 of 2</div></div></div></div></div><div>30MHz ~3GHz</div></div>			
<div><div><div><div><div><div>KeySight Spectrum Analyzer - Swept SA</div><div>100 MHz</div><div>100 kHz</div><div>20 dB</div><div>10 dB/div</div><div>Log</div><div>Ref 20.00 dBm</div><div>Marker 1 24.4720000000000 GHz</div><div>-45.918 dBm</div><div>10.0</div><div>0.00</div><div>-10.0</div><div>-20.0</div><div>-30.0</div><div>-40.0</div><div>-50.0</div><div>-60.0</div><div>-70.0</div><div>Start 3.00 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Stop 25.00 GHz</div><div>#Sweep 2.103 s (1001 pts)</div><div>STATUS</div></div><div><div>SENSE [INT]</div><div>ALGN AUTO</div><div>04:42:22 PM Oct 24, 2018</div><div>Trig: Free Run</div><div>Avg Type: Log-Per</div><div>Avg Hold: 5/100</div><div>TYPE MWWW</div><div>DET P</div><div>10.0</div><div>0.00</div><div>-10.0</div><div>-20.0</div><div>-30.0</div><div>-40.0</div><div>-50.0</div><div>-60.0</div><div>-70.0</div><div>Marker 1 24.472 GHz</div><div>-45.918 dBm</div><div>10.0</div><div>0.00</div><div>-10.0</div><div>-20.0</div><div>-30.0</div><div>-40.0</div><div>-50.0</div><div>-60.0</div><div>-70.0</div><div>Start 3.00 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>Stop 25.00 GHz</div><div>#Sweep 2.103 s (1001 pts)</div><div>STATUS</div></div><div><div>Peak Search</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Marker Delta</div><div>Mkr--CF</div><div>Mkr--Ref Lvl</div><div>More</div><div>1 of 2</div></div></div></div></div><div>3GHz~25GHz</div></div>			

Test Mode:	802.11n HT40	Test channel :	03
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KeySight Spectrum Analyzer - Swept SA

Center Freq 2.422000000 GHz

10 dB/div Ref 20.00 dBm

Mkr1 2.413 24 GHz

2.227 dBm

Start Freq 2.392000000 GHz

Stop Freq 2.452000000 GHz

CF Step 6.000000 MHz

Freq Offset 0 Hz

Scale Type Log

Center 2.42200 GHz

#Res BW 100 kHz

#VBW 300 kHz

Span 60.00 MHz

#Sweep 5.800 ms (1001 pts)

Channel 03

KeySight Spectrum Analyzer - Swept SA

Start Freq 30.0000000 MHz

10 dB/div Ref 20.00 dBm

Mkr1 2.566 4 GHz

-51.545 dBm

Start Freq 0.030 GHz

Stop 3.000 GHz

CF Step 297.000000 MHz

Freq Offset 0 Hz

Scale Type Log

Start 0.030 GHz

#Res BW 100 kHz

#VBW 300 kHz

Stop 3.000 GHz

#Sweep 283.9 ms (1001 pts)

30MHz ~3GHz

KeySight Spectrum Analyzer - Swept SA

Marker 1 24.560000000000 GHz

10 dB/div Ref 20.00 dBm

Mkr1 24.560 GHz

-46.463 dBm

Start 3.00 GHz

Stop 25.00 GHz

CF Step 2.103 s (1001 pts)

Freq Offset 0 Hz

Scale Type Log

Start 3.00 GHz

#Res BW 100 kHz

#VBW 300 kHz

Stop 25.00 GHz

#Sweep 2.103 s (1001 pts)

3GHz~25GHz

3GHz~25GHz

Test Mode:	802.11n HT40	Test channel :	09
<div><div><div><div><div>KeySight Spectrum Analyzer - Sweep SA</div><div>Center Freq 2.45200000 GHz</div><div>Ref 20.00 dBm</div><div>Mkr1 2.443 24 GHz 1.315 dBm</div><div>10 dB/div</div><div>Start Freq 2.422000000 GHz</div><div>Stop Freq 2.482000000 GHz</div><div>CF Step 6.000000 MHz</div><div>Auto</div><div>Freq Offset 0 Hz</div><div>Scale Type Log</div><div>Span 60.00 MHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>#Sweep 5.800 ms (1001 pts)</div></div><div><div>Frequency</div><div>Auto Tune</div><div>Center Freq 2.452000000 GHz</div><div>Start Freq 2.422000000 GHz</div><div>Stop Freq 2.482000000 GHz</div><div>CF Step 6.000000 MHz</div><div>Auto</div><div>Freq Offset 0 Hz</div><div>Scale Type Log</div></div></div></div><div>Channel 09</div><div><div><div><div>KeySight Spectrum Analyzer - Sweep SA</div><div>Start Freq 30.0000000 MHz</div><div>Ref 20.00 dBm</div><div>Mkr1 2.594 7 GHz -52.076 dBm</div><div>10 dB/div</div><div>Start 0.030 GHz</div><div>Stop 3.000 GHz</div><div>CF Step 297.000000 MHz</div><div>Auto</div><div>Freq Offset 0 Hz</div><div>Scale Type Log</div><div>Span 3.000 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>#Sweep 283.9 ms (1001 pts)</div></div><div><div>Frequency</div><div>Auto Tune</div><div>Center Freq 1.515000000 GHz</div><div>Start Freq 30.0000000 MHz</div><div>Stop Freq 3.000000000 GHz</div><div>CF Step 297.000000 MHz</div><div>Auto</div><div>Freq Offset 0 Hz</div><div>Scale Type Log</div></div></div></div><div>30MHz ~3GHz</div><div><div><div><div>KeySight Spectrum Analyzer - Sweep SA</div><div>Marker 1 24.098000000000 GHz</div><div>Ref 20.00 dBm</div><div>Mkr1 24.098 GHz -46.078 dBm</div><div>10 dB/div</div><div>Start 3.00 GHz</div><div>Stop 25.00 GHz</div><div>CF Step 1.000000 MHz</div><div>Auto</div><div>Freq Offset 0 Hz</div><div>Scale Type Log</div><div>Span 22.000 GHz</div><div>#Res BW 100 kHz</div><div>#VBW 300 kHz</div><div>#Sweep 2.103 s (1001 pts)</div></div><div><div>Peak Search</div><div>Next Peak</div><div>Next Pk Right</div><div>Next Pk Left</div><div>Marker Delta</div><div>Mkr--CF</div><div>Mkr--Ref Lvl</div><div>More 1 of 2</div></div></div></div><div>3GHz~25GHz</div></div>			

4.8. Antenna Requirement

Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

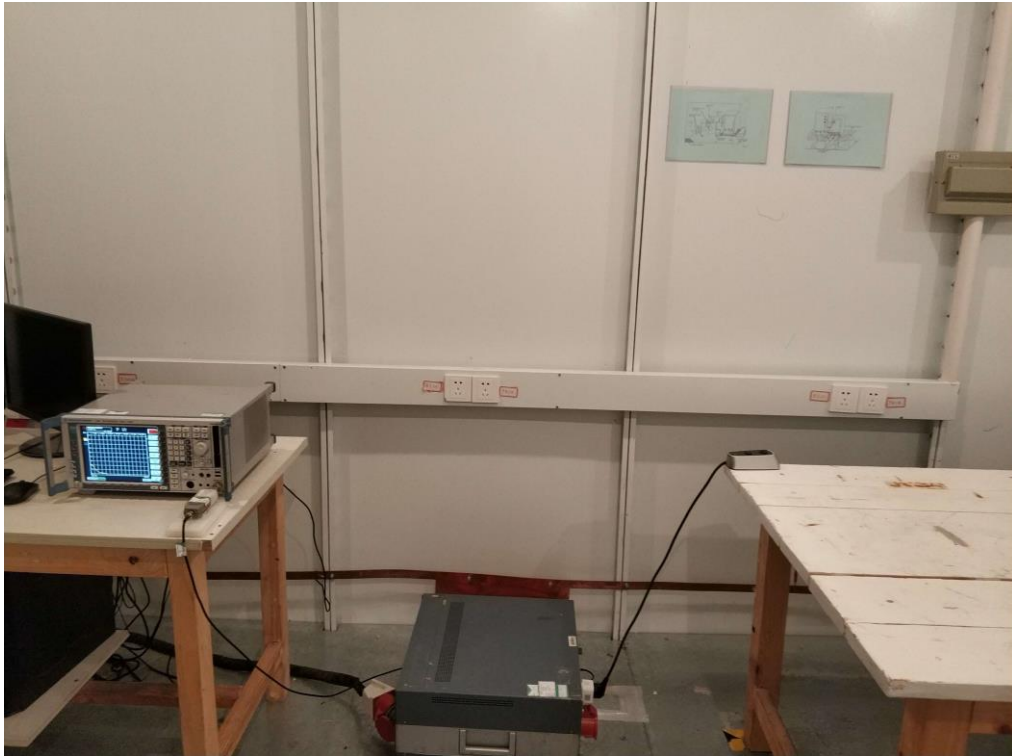
And according to FCC 47 CFR Section 15.247 (c), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

Test Result

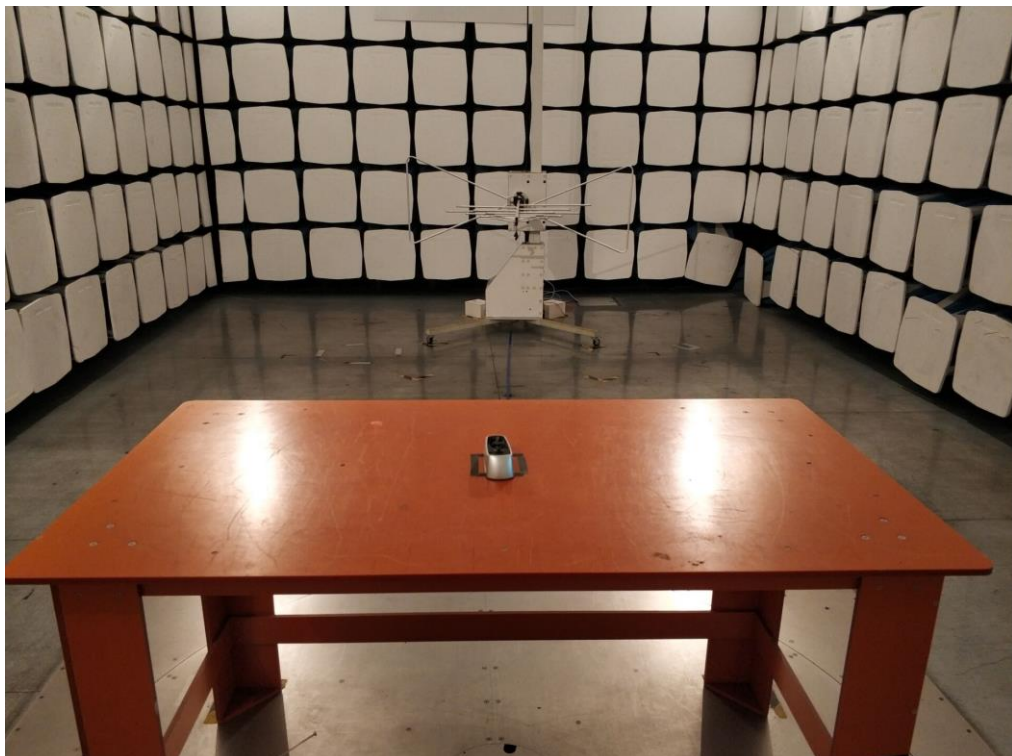
The antenna used for this product is internal Antenna and that no antenna other than that furnished by the responsible party shall be used with the device, the maximum peak gain of the transmit antenna is only 2.00dBi.

5. Test Setup Photos of the EUT

Conducted Emission Test



Radiated Emission Test

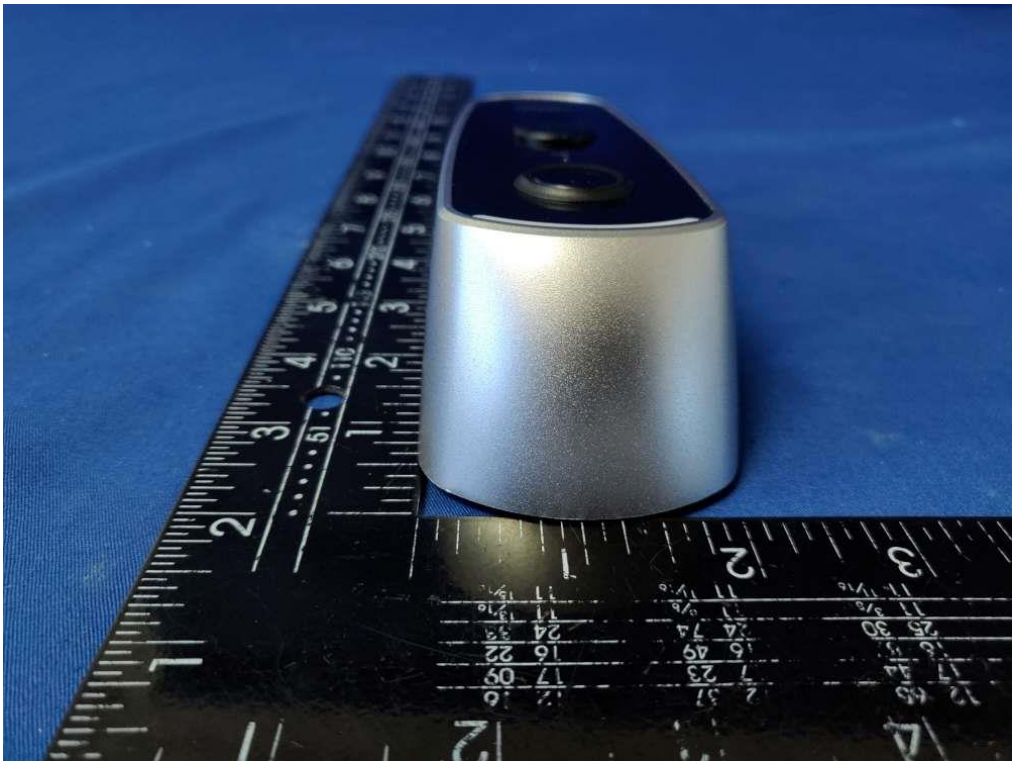
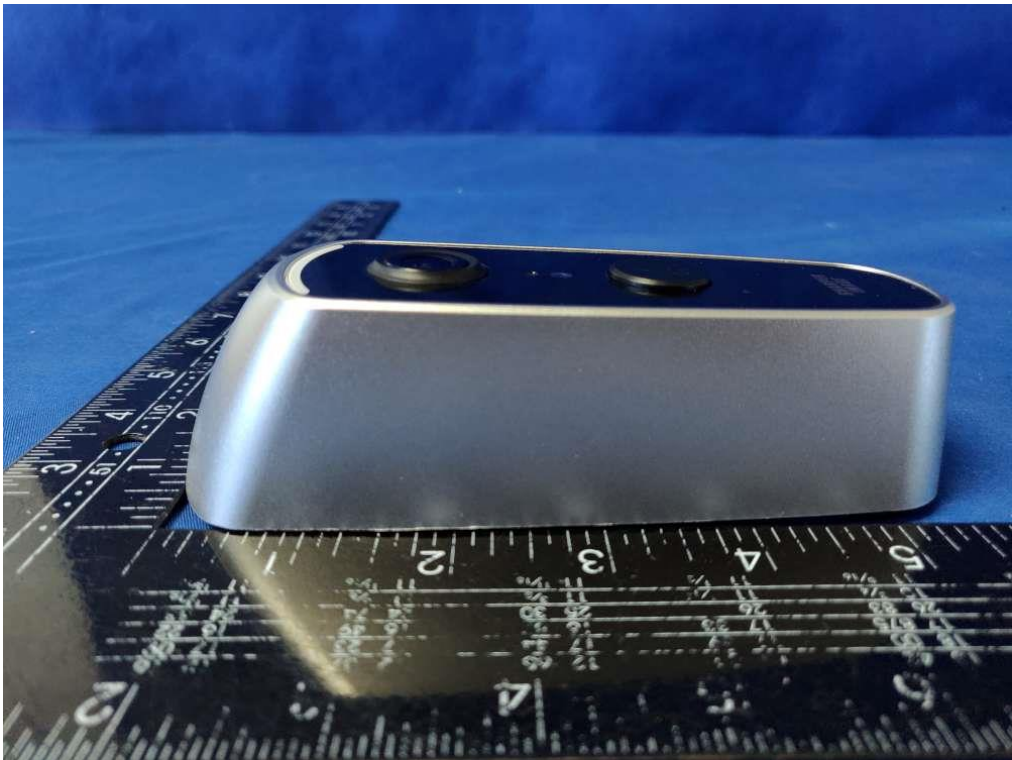




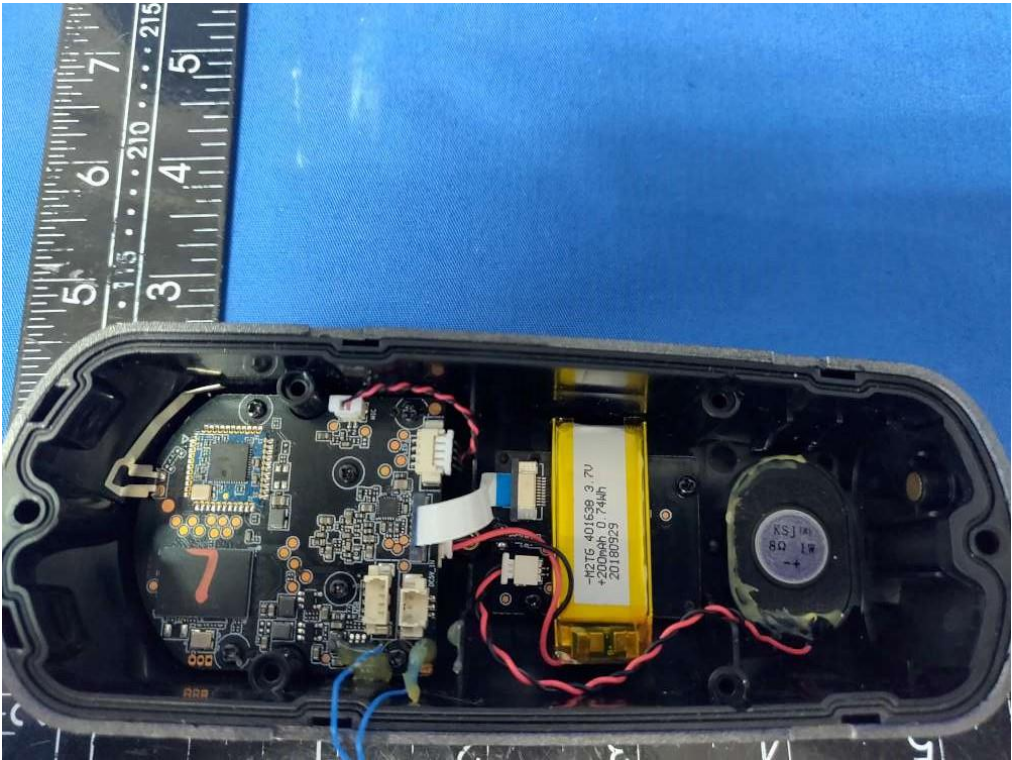
6. External and Internal Photos of the EUT

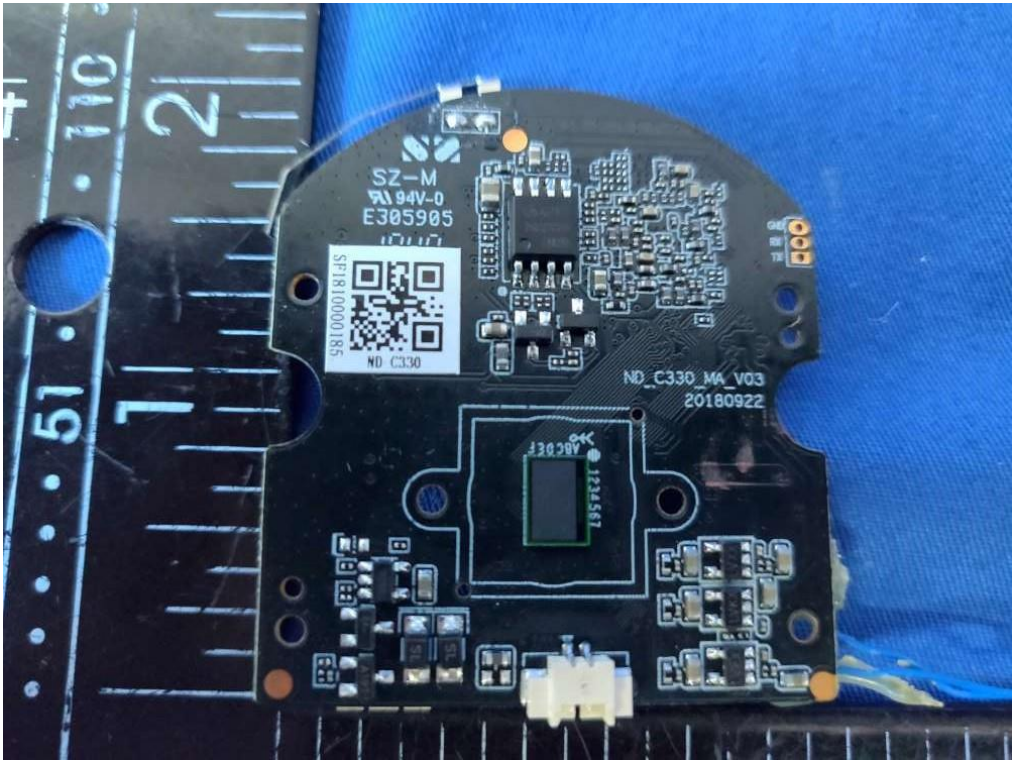
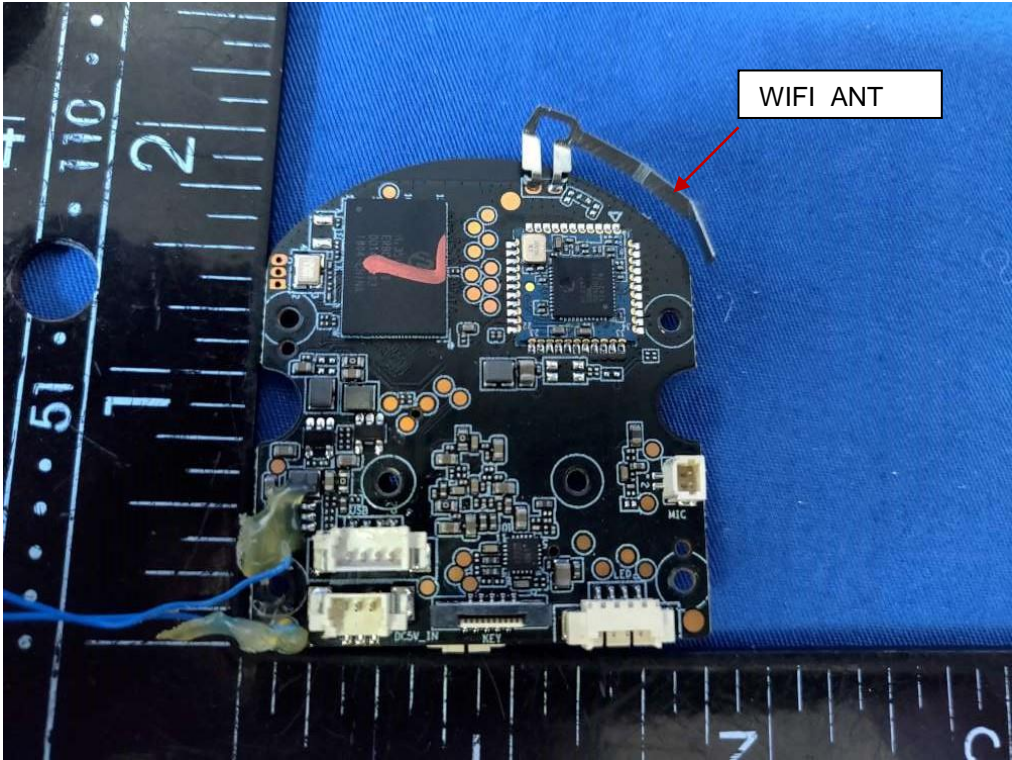


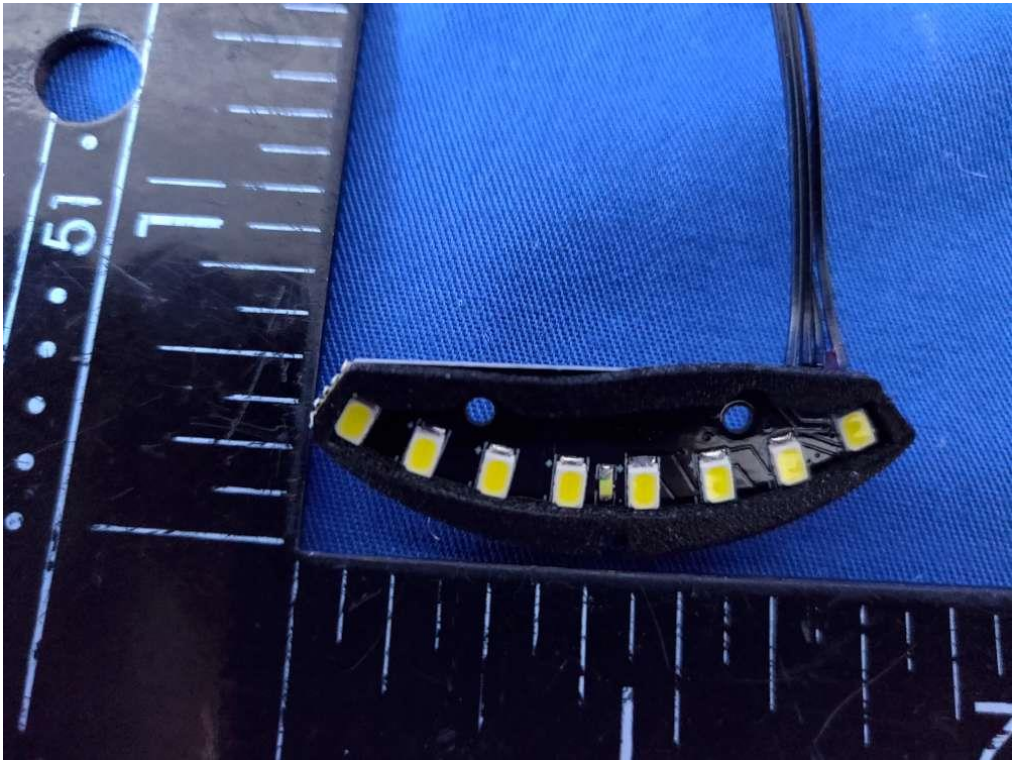
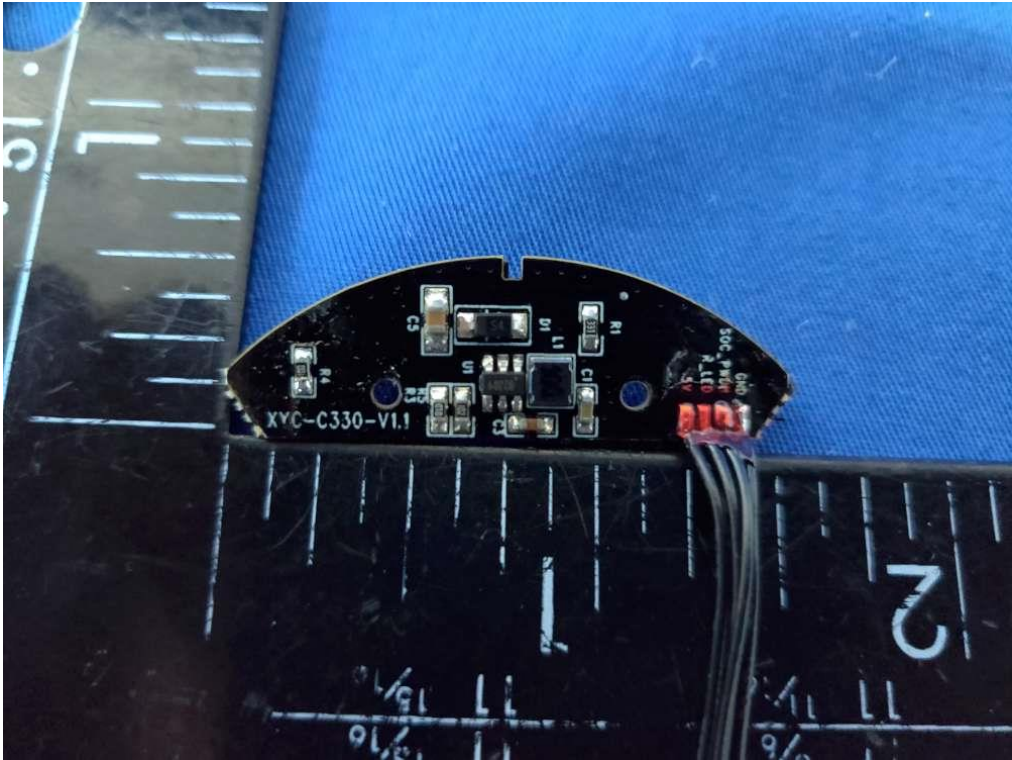


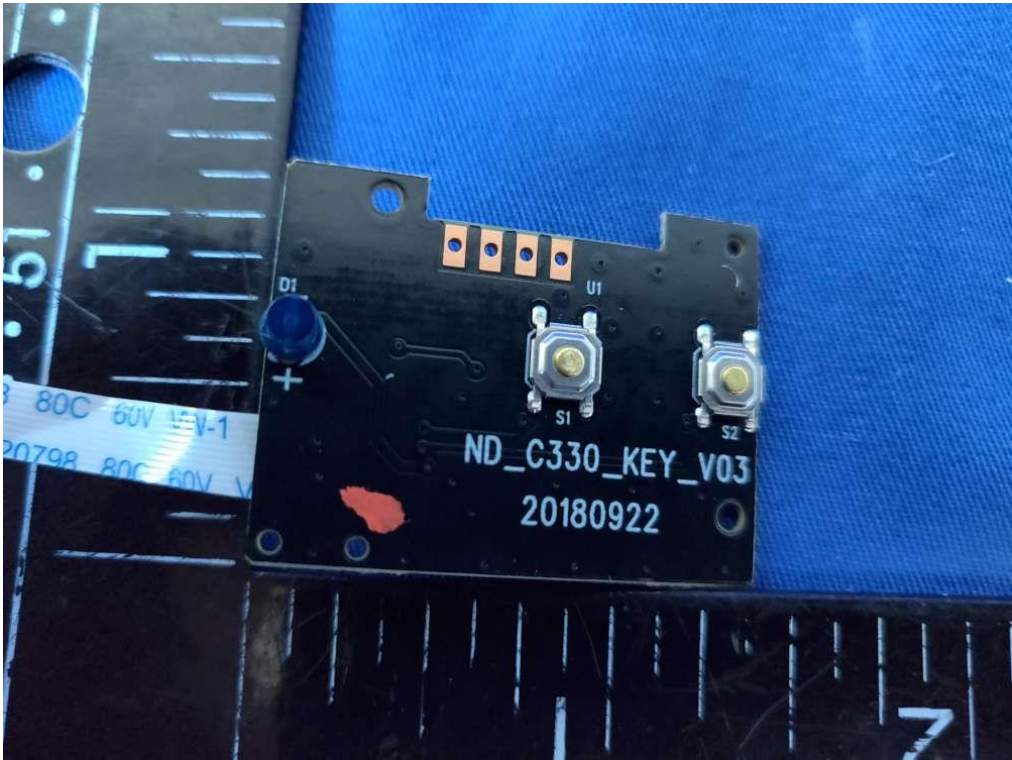
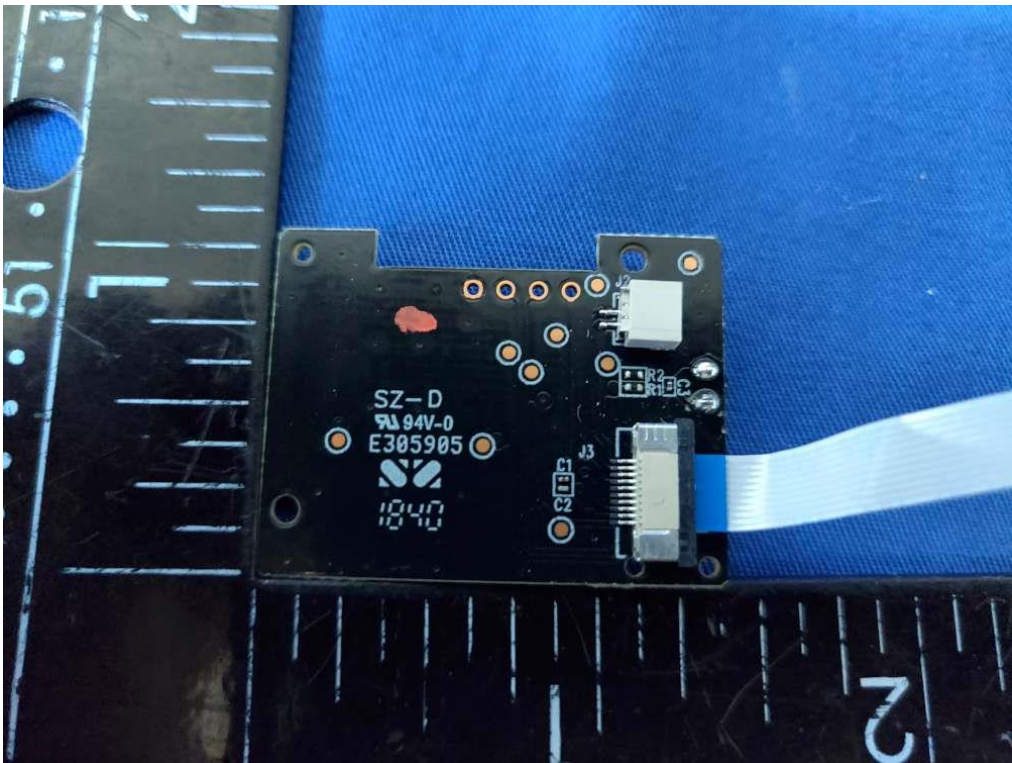


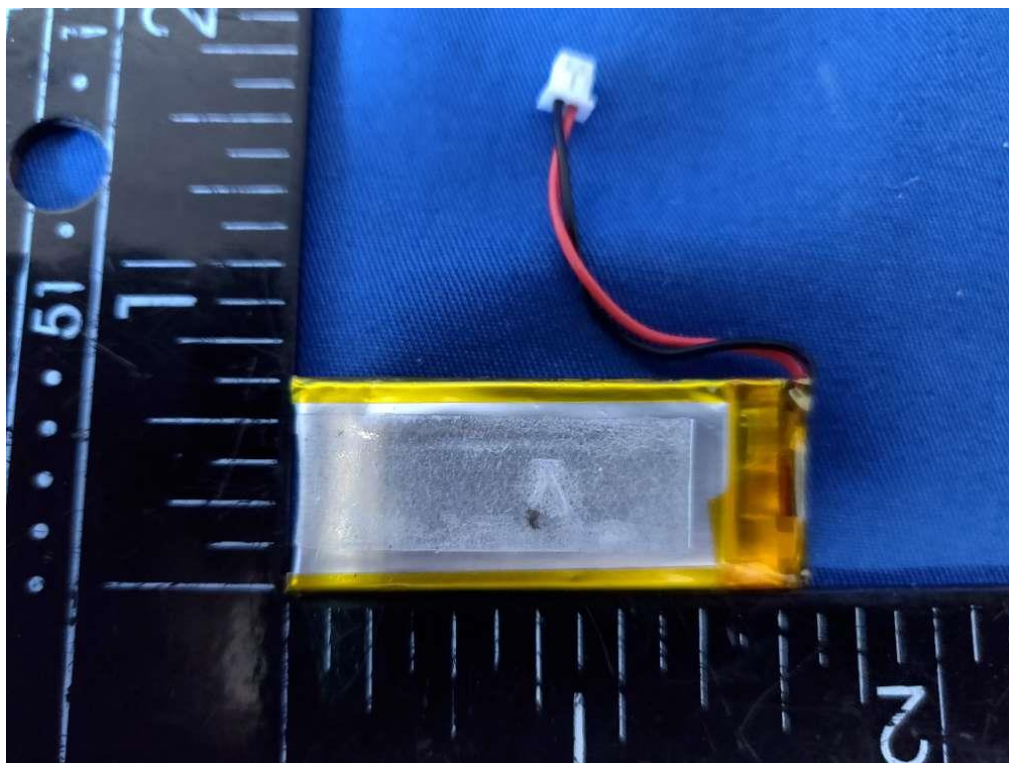
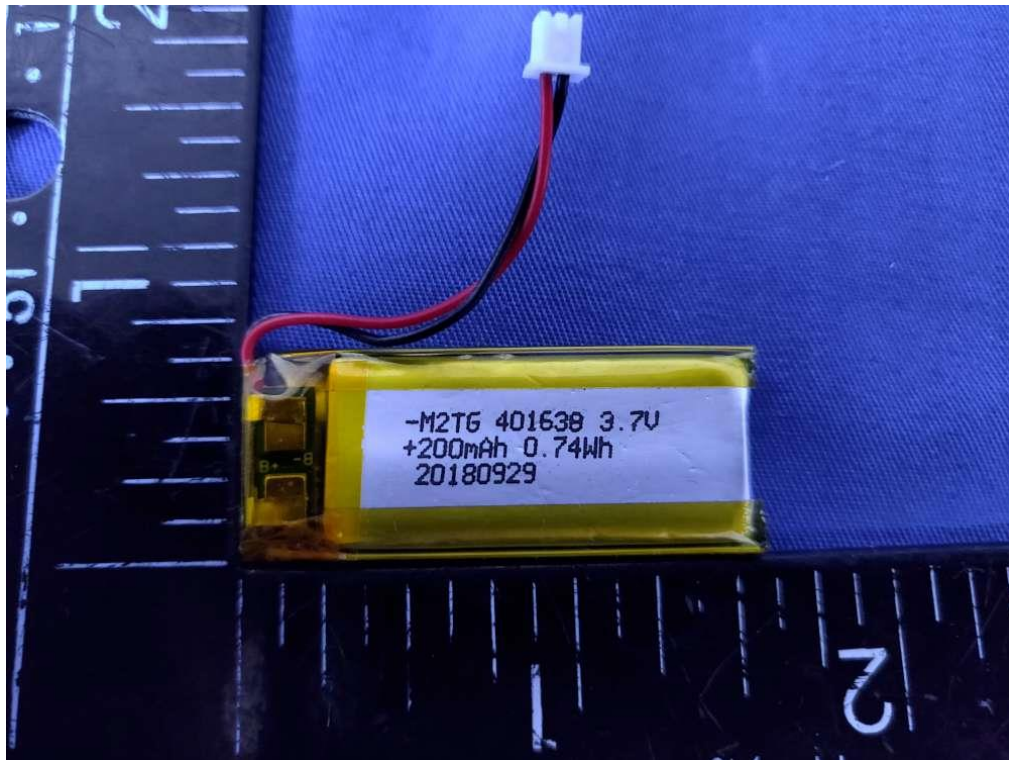












.....End of Report.....