

UWB15F PAG Checklist (Subpart 15F and KDB 393764 D01) @ TCBC Workshop (April 27, 2022)

Model Name : 100020022

FCC ID : 2AYPJ-100222

UWB operation mode : Indoor Use UWB systems (Rule Part : 15.517)

Radio test report number : SZCR221100396701

Common Requirements		Check lists	Remarks
Page 3	Technical	Bandwidth: 10 dB BW 500 MHz, or Fractional BW .2 (15.503(a))	Refer to the page on 22 to 24 of the test report -The 10dB bandwidth is 564 MHz.
		Frequency of highest emission occurs within the UWB bandwidth (15.521(e))	Refer to the page on 14 of the test report. -The frequency of highest emission is 4581.524MHz.
		Digital circuitry are subject limits as specified in (15.521(c))	Refer to the page on 15 to 18 of the test report.
		General Part 15 (15.209) limits apply below 960 MHz	Refer to the page on 15 to 18 of the test report.
		15.505 Cross Reference (15.521(a))	Refer to the page on 3 and 15 of the test report.
	Grant Restriction	Unwanted emissions must be measured over the frequency ranges as specified in 15.521(h)	Refer to the page on 15 to 21 of the test report.
Indoor Use UWB Systems (15.517)		Check lists	Remarks
Page 11	Technical	Restricted to indoor operation by nature of design and manual notice (15.517(a)(1))	Refer to the page on 7 of test report and the page on 6 of the user manual.
		Shall not be intentionally directed to perform outside functions, such as entry detection (15.517(a)(2))	Refer to the page on 5 of the user manual.
		Operation under the provisions of this section is limited to UWB transmitters employed solely for indoor operation.	Refer to the page on 7 of the test report.
		Metal or underground storage tanks are considered indoors per (15.517(a)(4))	Refer to the page on 5 of the user manual.
		The use of fixed outdoor mounted antennas is prohibited (15.517(a)(3))	Refer to the page on 11 of the test report. -The antenna used in this product is a PCB antenna.
		Shall transmit only when sending information to an associated receiver (15.517(a))	Refer to the page on 5 of the user manual.
		The UWB bandwidth shall be contained between 3100 MHz and 10,600 MHz (15.517(b))	Refer to the page on 24 of the test report. -The highest frequency (f_{ul}) is 4824.3 MHz and the lowest frequency(f_{ll}) is 4260.3 HMz.
		Radiated emissions above 960 MHz shall conform to the mask specified in 15.517(c)	Refer to the page on 19 to 21 of the test report.
		Peak EIRP limit of 0 dBm/50 MHz applies (15.517(e))	Refer to the page on 12 to 14 of the test report.
		Radiated emissions in the 1164-1240 MHz and 1559-1610 MHz bands limits as specified in 15.517(d)	Refer to the page on 21 of the test report.
		Must bear a statement in a conspicuous location on the device or in the instruction manual: • •"This equipment may only be operated indoors. Operation outdoors is in violation of 47 U.S.C. 301 and could subject the operator to serious legal penalties."	Refer to the page on 7 of the user manual.