

IntraNav GmbH

FCC ID: 2AWK8IN6000

UWB15F PAG Checklist

Per checklist guidance provided during the April 2022 TCB workshop. Please refer to the details below.

Common Requirements

Technical

- Bandwidth: $10 \text{ dB BW} \geq 500 \text{ MHz}$, or Fractional BW $\geq .2$
10 dB BW measured is 578.9 MHz. Please refer to page 16-17 of test report (SZNS220413-14011E-RF-00).
- Frequency of highest emission occurs within the UWB bandwidth (15.521(e))
Please refer to page 21-30 of test report (SZNS220413-14011E-RF-00).
- Digital circuitry are subject limits as specified in 15.521(c).
Device meets limits as specified in 15.521(c).
- General 15.209 limits apply below 960 MHz
Device meets limits as specified in 15.209. Please refer to page 21-22 of test report (SZNS220413-14011E-RF-00).
- 15.505 cross reference
- Unwanted emissions must be measured over the frequency ranges as specified in 15.521 (h).
Meets these requirements based on test report

Grant Restrictions

- UWB devices may not be employed for the operation of toys.
- Operation onboard an aircraft, a ship or satellite is prohibited.
These restrictions have been listed on grant note of Form 731.

15.517: UWB Indoor UWB Systems

Technical Requirements

- Restricted to indoor operation by nature of design and manual notice (15.517(a)(1))
- Shall not be intentionally directed to perform outside functions, such as entry detection (15.517(a)(2))
Device is indoor use; it connects to a POE adapter. It does not utilize fixed infrastructure.
- The use of fixed outdoor mounted antennas is prohibited (15.517(a)(3))
Device uses an integral antenna.
- Metal or underground storage tanks are considered indoor use per 15.517(a)(4).
Not applicable to this device.
- Shall transmit only when sending information to an associated receiver (15.517(a)(5))
- The UWB bandwidth shall be contained between 3.1 GHz and 10.6 GHz (15.517(b))
- Radiated emissions above 960 MHz shall conform to the mask specified in 15.517(c)
- Peak EIRP limit of 0 dBm/MHz applies (15.517(e))
- Radiated emissions in the 1164-1240 MHz & 1559-1610 MHz bands limits as specified in 15.517(d).
Per test report, the device meets the requirements specified above.
- 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."
A statement can be found from user manual.