

DragonWave Pathloss File Naming Conventions



SOFTWARE VERSION NUMBERING CONVENTION

Version Numbering of the Pathloss files described by this document is

RR|HH|CC|P|LL|DDD|vXX.raf, where the fields are defined as follows:

RR is the mm-wave radio band in GHz, e.g. RR=18, other possible values being 42, 38, 32, 31, 28, 26, 24, 23, 15, 13, 12, 10, 08, 7, 6L, 6U and others.

RR|HH|CC|P|LL|DDD|vXX.raf, where the fields are defined as follows:

HH is the equipment designation, e.g. HH=HC, the possible values being

- AP, AirPair;
- HC, Horizon Compact;
- HD, Horizon Duo, dual carrier;
- HS, Horizon Duo, single carrier;
- HA, Horizon Duo, dual carrier, adjacent channel (18&23GHz-50MHz only);
- HY, Horizon Compact Plus;
- HR, Harmony Radio;
- HT, Harmony Trunk;
- QS, Horizon Quantum, single carrier;
- QD, Horizon Quantum, dual carrier;
- QA, Horizon Quantum, dual carrier adjacent channel mode (18&23GHz-50MHz only);
- SD, S-Series; Dual Mode;
- SS, S-Series; Single Mode;
- ES, E-Series.

RR|HH|CC|P|LL|DDD|vXX.raf, where the fields are defined as follows:

CC is the radio channel bandwidth in MHz, as it appears in the mode designation, e.g. CC=28 for a 27.5 MHz or 28 MHz mode.

RR|HH|CC|P|LL|DDD|vXX.raf, where the fields are defined as follows:

P denotes transmit power, with: S being standard power; H being high power; E being extended power or power linearization.

In case of Horizon Compact 24UL and UE, this field denotes antenna diameter as follows:

P=1 is 1 foot, P=2 is 2 foot, P=3 is 2.5 foot, P=4 is 4 foot.

RR|HH|CC|P|LL|DDD|vXX.raf, where the fields are defined as follows:

LL is the regulatory jurisdiction (think “Land”), possible ones being

- FC, FCC (USA) or IC (Canada);
- IC, IC if different from FCC;
- ET, ETSI (Europe);
- UL, Unlicensed, FCC;
- UE, Unlicensed, ETSI;
- UC, Unlicensed, Canada;
- DE, DEMS (Canada);
- AU, Australia, if different from the above;
- FR, France, if different from the above;
- BR, Brazil, if different from the above;
- MX, Mexico, if different from the above;
- TU, Tunisia, if different from the above;
- UK, United Kingdom, if different from the above;
- CH, China, if different from the above;
- CR, XXX, if different from above;
- JP, Japan, if different from the above;
- NT, NTIA, if different from above.

RR|HH|CC|P|LL|DDD|vXX.raf, where the fields are defined as follows:

DDD is the average data-rate capacity of the channel, in Mb/s, as it appears in the mode designation, e.g. DDD=067 for a HC50_67 mode.

RR|HH|CC|P|LL|DDD|vXX.raf, where the fields are defined as follows:

vXX denotes the revision number of the *.raf data file, with 01<XX<=99. This is incremented every time a *.raf file is updated. Because not every *.raf file is updated with each revision of this document, and new *.raf files may be issued, the revision number XX does not coincide with the revision number of this document.

For ease of cross-reference, the field “RR” relates directly to the radio band designations in the document titles of reference 1. The fields and portions thereof in the form “HHCC____DDD” relate directly to the mode designations in the document references 1 or 2; e.g. HC50HFC067 relates to the HC50_67 operating mode, with a high transmit output power.

For 32GHz there is a slight deviation to include **32A and 32B RR|E|HH|CC|P|LL|DDD|vXX.raf**, where the fields are defined as follows:

RR is the mm-wave radio band in GHz, e.g. RR=18, other possible values being 38, 32, 28, 26, 24, 23, 15, 13, 12, 10, 08, 6U, 6U and others.

E is either classified as A or B.

For licensing and implementing Dragonwave's Hitless Automatic Adaptive Modulation (HAAM), the Version Numbering of the Pathloss files described by this document is **RR|HH|CC|P|LL|DDD|vXXhaam.raf**. This file includes all operational modes of the product.

RADIO FILES TO USE BY DRAGONWAVE PRODUCT

DW Pathloss File Naming Convention

RR|HH|CC|P|LL|DDD|vXX.raf

DW Product

AIRPAIR

Horizon COMPACT

Horizon COMPACT PLUS

Horizon COMPACT PLUS with PAL SW 1.1

Horizon DUO

Horizon QNTM

Horizon QNTM SW 1.3

Harmony Radio

Harmony Trunk

E-Series

S-Series

Avenue Site

Avenue Link

Pathloss Files To Use

HH = AP

HH = HC

HH = HY

HH = HY & P = E

HH = HD, HS or HA

HH = QD, QS or QA

HH = QD, QS or QA & P = E

HH = HR

HH = HT

HH = ES

HH = SS or SD

HH = same as Horizon Compact PLUS

HH = same as Horizon Compact PLUS

LICENSING

For frequency coordinators - always consult with the customer or DragonWave prior to licensing to ensure that the correct radio details are being licensed.