

TASMA
Digital Voice (DV)
Simplex Frequencies Allocation

June 2022

TASMA Band Plan Simplex Frequencies

| | |
|-------------------|--|
| 144.310 – 144.375 | FM Simplex (unchannelized) (5 total) |
| 144.405 – 144.490 | FM Simplex (unchannelized) (7 total) |
| 145.510 - 145.660 | FM simplex: 15 kHz spacing (11 total) |
| 145.675 - 145.785 | Fixed simplex auxiliary stations (internet links, remote base, etc.: 15 kHz spacing) (8 total) |
| 145.800 – 146.000 | OSCAR Satellite Use |
| 146.520 – 146.595 | FM simplex: 15 kHz spacing (6 total) |
| 147.480 | FM simplex |
| 147.510 | FM simplex |

Total of 49 FM Simplex Frequencies Allocated in TASMA Band Plan

- Not including OSCAR

Generally Recognized DV Simplex Frequencies

- a. 145.510 DMR Channel 2
- b. 145.790 DMR Channel 1
- c. 145.670 DSTAR
- d. 147.525 Fusion
- e. 146.5625 Fusion GM

Items for Consideration

- Channel Spacing
 - Most FM channels have 15 KHz spacing
 - TASMA DSTAR Repeaters allocation specifies 10 KHz
 - Current Popular Digital Voice modes use 6.5 or 12.5 KHz bandwidth
 - ***Recommend keeping 15 KHz spacing and not specifying DV mode for allocated frequencies***
- How many DV simplex frequencies do we want to allocate
 - 2, 4, 6, 8?

Candidate DV Frequencies (a - 145.510)

145.495

Repeater input (paired with 144.895 output)

145.510 - 145.660

FM simplex: 15 kHz spacing (11 total)

- ***Options***

- ***Allocate 145.510 to DV Simplex***
- ***AND - Allocate 145.525 to DV Simplex***

Candidate DV Frequencies (b - 145.790)

| | |
|-------------------|---|
| 145.675 - 145.785 | Fixed simplex auxiliary stations (internet links, remote base, etc., 15 kHz spacing, 8 total) |
| 145.800 – 146.000 | OSCAR Satellite Use, 15 KHz allocation |

- ***Options***

- ***Allocate 145.785 to DV Simplex***
- ***OR - Allocate 145.785 and 145.800 to DV Simplex***

Candidate DV Frequencies (c - 145.670)

145.510 - 145.660

FM simplex: 15 kHz spacing (11 total)

145.675 - 145.785

Fixed simplex auxiliary stations (internet links, remote base, etc.:
15 kHz spacing) (8)

- ***Options***

- ***Allocate 145.660 to DV Simplex***

- ***AND/OR Allocate 145.675 to DV Simplex***

Candidate DV Frequencies (d & e)

d. 147.525

147.525 cross-band repeater input/output (not coordinated)_(TASMA Allocation)

- Used for Fusion
- **Do Nothing – cross band repeaters are a temporary use allocation**
- **Or – Designate 147.525 for secondary usage**

e. 145.5625

145.510 - 145.660 FM simplex: 15 kHz spacing (11) _(TASMA Allocation)

- Used for Fusion (Yeasu suggestion)
- **Do Nothing – falls in between 145.555 and 145.570 simplex frequencies**
- **Or – allocate 145.570 to DV simplex**

Recommendations

a. 145.510 DMR Channel 2

- ***Allocate 145.510 and 145.525 to DV Simplex***

b. 145.790 DMR Channel 1

- ***Allocate 145.785 to DV Simplex***

c. 145.670 DSTAR

- ***Allocate 145.660 and 145.675 to DV Simplex***

d. 147.525 Fusion

- ***Designate 147.525 as DV secondary usage - Cross band repeaters are a temporary use allocation***

e. 146.5625 Fusion GM

- ***Allocate 145.570 to DV simplex***