

## DBBC3 OCT\_D Multicast-Format for OCT\_D v120 (04.10.2021)

### Control Software Version (0x0000-0x001F)

see version Command for corresponding value

Address	Size (Bytes)	Name	Description
0x0000	32	Version String	Version String (ASCII Char Array)

### Bitmasks for Present/Active IFs (0x0020-0x0021)

see version Command for corresponding value

Address	Size (Bytes)	Name	Description
0x0020	1	Present IF Bitmask	Bitmask to show present IF (Bit 0 for IFA, Bit 1 for IFB,...)
0x0021	1	Active IF Bitmask	Bitmask to show active IF (Bit 0 for IFA, Bit 1 for IFB...)

### GcoMo Information (0x0022-0x0061)

8 Sets of 8 Bytes, one for each GcoMo (IFA-IFH), see dbbcifX command for corresponding values

Address	Size (Bytes)	Name	Description
0x0022	2	IFA AGC Mode	0 = manual, 1 = agc on
0x0024	2	IFA Attenuation	0-63 (in 0.5 dB Steps)
0x0026	2	IFA Total Power	0-65535
0x0028	2	IFA Total Power Target Value	0-65535 Target Total Power Value for AGC Control
...			

### Downconverter Information (0x0062-0x00A1)

8 Sets of 8 Bytes, one for each Downconverter

Address	Size (Bytes)	Name	Description
0x0062	2	IFA Synthesizer OEN	Output Enabled Status(0 = oen off, 1 = oen on)
0x0064	2	IFA Synthesizer Lock	Lock Status (0 = no lock, 1 = locked)
0x0066	2	IFA Synthesizer Attenuation	Attenuation (0-31 in dB)
0x0068	2	IFA Synthesizer Frequency	Frequency (in MHz)
...			

### ADB3L Information (0x00A2-0x0221)

8 Sets of 48 Bytes, one for each ADB3L (for ADB3L 1-8, corresponding to IFA-IFH)

Address	Size (Bytes)	Name	Description
0x00A2	4	IFA S0 Total Power	Total Power Value for IFA/Sampler 0
0x00A6	4	IFA S1 Total Power	Total Power Value for IFA/Sampler 1
0x00AA	4	IFA S2 Total Power	Total Power Value for IFA/Sampler 2
0x00AE	4	IFA S3 Total Power	Total Power Value for IFA/Sampler 3
0x00B2	4	IFA S0 Offset	Offset Value for IFA/Sampler 0 (0-128M, 64M equals 50%)
0x00B6	4	IFA S1 Offset	Offset Value for IFA/Sampler 1 (0-128M, 64M equals 50%)
0x00BA	4	IFA S2 Offset	Offset Value for IFA/Sampler 2 (0-128M, 64M equals 50%)
0x00BE	4	IFA S3 Offset	Offset Value for IFA/Sampler 3 (0-128M, 64M equals 50%)
0x00C2	4	IFA S0-S1 Delay	Correlation Value for Delay between IFA/Samplers 0 and 1
0x00C6	4	IFA S1-S2 Delay	Correlation Value for Delay between IFA/Samplers 1 and 2
0x00CA	4	IFA S2-S3 Delay	Correlation Value for Delay between IFA/Samplers 2 and 3
0x00CE	4	0x00000000	Zero value for padding
...			

**Core3H Information (0x0222-0x0345)**

8 Sets of 52 Bytes, one for each Core3H (for Core3H 1-8, corresponding to IFA-IFH)

Address	Size (Bytes)	Name	Description
0x0222	4	IFA Timestamp Second	VDIF Timestamp Second of IFA
0x0226	4	IFA Timestamp Epoch	VDIF Timestamp Epoch of IFA
0x022A	4	IFA PPS Delay	Delay between internal and external 1PPS in ns
0x022E	4	IFA Filter 1 Total Power	Total Power Value for IFA/Filter 1
0x0232	4	IFA Filter 2 Total Power	Total Power Value for IFA/Filter 2
0x0236	4	IFA Filter 1 Bit Statistics 00	Bit Statistics for IFA/Filter 1 Pattern 00
0x023A	4	IFA Filter 1 Bit Statistics 01	Bit Statistics for IFA/Filter 1 Pattern 01
0x023E	4	IFA Filter 1 Bit Statistics 10	Bit Statistics for IFA/Filter 1 Pattern 10
0x0242	4	IFA Filter 1 Bit Statistics 11	Bit Statistics for IFA/Filter 1 Pattern 11
0x0246	4	IFA Filter 2 Bit Statistics 00	Bit Statistics for IFA/Filter 2 Pattern 00
0x024A	4	IFA Filter 2 Bit Statistics 01	Bit Statistics for IFA/Filter 2 Pattern 01
0x024E	4	IFA Filter 2 Bit Statistics 10	Bit Statistics for IFA/Filter 2 Pattern 10
0x0252	4	IFA Filter 2 Bit Statistics 11	Bit Statistics for IFA/Filter 2 Pattern 11
...			