

## COM1000/2000 Video Channel Assignment Three HD channels per QAM Guidelines

The following table represents the 40 most popular HD channels which are commonly delivered via a COM1000/2000 system. The channels are categorized into three buckets: Low bandwidth, Medium bandwidth, and High bandwidth. As a general rule, sports channels should be considered High Bandwidth. News and Entertainment channels are typically Medium Bandwidth. Dedicated Movie channels with content captured in 24 frames per second (fps) is generally considered Low Bandwidth.

The channel bandwidth definition includes both the statically average bandwidth as well as the likelihood of a channel to exceed 13 Mbps for a statistically significant period of time. The recommendation when assigning 3 HD channels per QAM is to observe the following rules:

- Assign only 1 High Bandwidth channel per QAM.
- Medium and Low Channel Bandwidth can be group together in any combination
- Avoid grouping two or more sports channels on the same QAM.

If the table below does not include a desired channel, the recommendation is to categorize the channel to a similar channel within the same category that is captured in the table below. (e.g. news, sports, movie, local or entertainment). For example: The Science Channel 284 is similar to the Discovery channel and should be assigned a Medium Bandwidth designation.

Local			
HD	1	NBC	Medium
HD	2	ABC	Medium
HD	3	CBS	Medium
HD	4	FOX	Medium
HD	5	CW	Medium
Movie			
HD	6	HBO	Medium
News			
HD	7	Fox News	Medium
HD	8	MSNBC	Medium
HD	9	CNN	Medium

HD	10	CNBC	Medium
HD	11	CNN Headline News	Medium
HD	12	Bloomberg	Medium
HD	13	Weather Channel	Medium
<b>Sports</b>			
HD	14	ESPN	High
HD	15	ESPN2	High
HD	16	ESPN News	Medium
HD	17	ESPNU	High
<b>Entertainment</b>			
HD	18	TBS	Low
HD	19	TNT	High
HD	20	USA	Medium
HD	21	Comedy Central	Medium
HD	22	Discovery	High
HD	23	FX	Medium
HD	24	Food Network	Medium
HD	25	HGTV	High
HD	26	A&E	Medium
HD	27	Disney Channel	Low
HD	28	Cartoon Network	Low
HD	29	AMC	Low
HD	30	History	Medium
HD	31	National Geographic	Medium
HD	32	Bravo	Low
HD	33	MTV	High
HD	34	Travel	Medium

HD	35	WE	SD Only
HD	36	Lifetime	Medium
HD	37	Nickelodeon	Low
HD	38	Nick Jr.	SD Only
HD	39	ABC Family	Medium
HD	40	PBS	Medium

**Legend**

- Low                    Movie (24 FPS) (low bandwidth)
- Medium              Light Motion (medium bandwidth)
- High                   Full Motion (high bandwidth)