VIEW 1	ITU-T	G.694.1	c:	299792458	m/s		Anchor Freq:	193.1	THZ		Chris Cole	6/18/20
Total Span	**36nm**						**18nm**					
# of λs	*1* + 8		*1* + 16		*1* + 32		*1* + 8		*1* + 16		*1* + 32	
Grid GHz	800		400		200		400		200		100	
Span nm	*4* + 32		*2* + 34		*1* + 35		*2* + 16		*1* + 17		*0.5* + 17.5	
Units	THz	nm	THz	nm	THz	nm	THz	nm	THz	nm	THz	nm
L-16					*233.8*	*1282.26*					*232.2*	*1291.10*
L-15					233.6	1283.36					232.1	1291.65
L-14					233.4	1284.46					232.0	1292.21
L-13					233.2	1285.56					231.9	1292.77
L-12					233.0	1286.66					231.8	1293.32
L-11					232.8	1287.77					231.7	1293.88
L-10					232.6	1288.88					231.6	1294.44
L-9					232.4	1289.98					231.5	1295.00
L-8			*233.8*	*1282.26*	232.2	1291.10			*232.2*	*1291.10*	231.4	1295.56
L-7			233.4	1284.46	232.0	1292.21			232.0	1292.21	231.3	1296.12
L-6			233.0	1286.66	231.8	1293.32			231.8	1293.32	231.2	1296.68
L-5			232.6	1288.88	231.6	1294.44			231.6	1294.44	231.1	1297.24
L-4	*233.8*	*1282.26*	232.2	1291.10	231.4	1295.56	*232.2*	*1291.10*	231.4	1295.56	231.0	1297.80
L-3	233.0	1286.66	231.8	1293.32	231.2	1296.68	231.8	1293.32	231.2	1296.68	230.9	1298.36
L-2	232.2	1291.10	231.4	1295.56	231.0	1297.80	231.4	1295.56	231.0	1297.80	230.8	1298.93
L-1	231.4	1295.56	231.0	1297.80	230.8	1298.93	231.0	1297.80	230.8	1298.93	230.7	1299.49
L0	230.6	1300.05	230.6	1300.05	230.6	1300.05	230.6	1300.05	230.6	1300.05	230.6	1300.05
L1	229.8	1304.58	230.2	1302.31	230.4	1301.18	230.2	1302.31	230.4	1301.18	230.5	1300.62
L2	229.0	1309.14	229.8	1304.58	230.2	1302.31	229.8	1304.58	230.2	1302.31	230.4	1301.18
L3	228.2	1313.73	229.4	1306.85	230.0	1303.45	229.4	1306.85	230.0	1303.45	230.3	1301.75
L4	227.4	1318.35	229.0	1309.14	229.8	1304.58	229.0	1309.14	229.8	1304.58	230.2	1302.31
L5			228.6	1311.43	229.6	1305.72			229.6	1305.72	230.1	1302.88
L6			228.2	1313.73	229.4	1306.85			229.4	1306.85	230.0	1303.45
L7			227.8	1316.03	229.2	1308.00			229.2	1308.00	229.9	1304.01
L8			227.4	1318.35	229.0	1309.14			229.0	1309.14	229.8	1304.58
L9					228.8	1310.28					229.7	1305.15
L10					228.6	1311.43					229.6	1305.72
L11					228.4	1312.58					229.5	1306.29
L12					228.2	1313.73					229.4	1306.85
L13					228.0	1314.88					229.3	1307.42
L14					227.8	1316.03					229.2	1308.00
L15					227.6	1317.19					229.1	1308.57
L16					227.4	1318.35					229.0	1309.14

VIEW 2 ITU-T G.694.1 c: 299792458 m/s Anchor Freq: 193.1 THZ Chris Cole 6/18/20

Total Span	**36nm**						**18nm**							
# of λs	*1* + 8		*1* + 16		*1* + 32		*1* + 8		*1* + 16		*1* + 32			
Grid GHz	800		400		200		400		200		100			
Span nm	*4* + 32		*2* + 34		*1* + 35		*2* + 16		*1* + 17		*0.5* + 17.5			
Units	THz	nm	THz	nm	THz	nm	THz	nm	THz	nm	THz	nm		
	233.8	*1282.26*	*233.8*	*1282.26*	*233.8*	*1282.26*	*232.2*	*1291.10*	*232.2*	*1291.10*	*232.2*	*1291.10*		
					233.6	1283.36					232.1	1291.65		
			233.4	1284.46	233.4	1284.46			232.0	1292.21	232.0	1292.21		
					233.2	1285.56					231.9	1292.77		
	233.0	1286.66	233.0	1286.66	233.0	1286.66	231.8	1293.32	231.8	1293.32	231.8	1293.32		
					232.8	1287.77					231.7	1293.88		
			232.6	1288.88	232.6	1288.88			231.6	1294.44	231.6	1294.44		
					232.4	1289.98					231.5	1295.00		
	232.2	1291.10	232.2	1291.10	232.2	1291.10	231.4	1295.56	231.4	1295.56	231.4	1295.56		
					232.0	1292.21					231.3	1296.12		
			231.8	1293.32	231.8	1293.32			231.2	1296.68	231.2	1296.68		
					231.6	1294.44					231.1	1297.24		
	231.4	1295.56	231.4	1295.56	231.4	1295.56	231.0	1297.80	231.0	1297.80	231.0	1297.80		
					231.2	1296.68					230.9	1298.36		
			231.0	1297.80	231.0	1297.80			230.8	1298.93	230.8	1298.93		
					230.8	1298.93					230.7	1299.49		
L0	230.6	1300.05	230.6	1300.05	230.6	1300.05	230.6	1300.05	230.6	1300.05	230.6	1300.05		
					230.4	1301.18					230.5	1300.62		
			230.2	1302.31	230.2	1302.31			230.4	1301.18	230.4	1301.18		
					230.0	1303.45					230.3	1301.75		
	229.8	1304.58	229.8	1304.58	229.8	1304.58	230.2	1302.31	230.2	1302.31	230.2	1302.31		
					229.6	1305.72					230.1	1302.88		
			229.4	1306.85	229.4	1306.85			230.0	1303.45	230.0	1303.45		
					229.2	1308.00					229.9	1304.01		
	229.0	1309.14	229.0	1309.14	229.0	1309.14	229.8	1304.58	229.8	1304.58	229.8	1304.58		
					228.8	1310.28					229.7	1305.15		
			228.6	1311.43	228.6	1311.43			229.6	1305.72	229.6	1305.72		
					228.4	1312.58					229.5	1306.29		
	228.2	1313.73	228.2	1313.73	228.2	1313.73	229.4	1306.85	229.4	1306.85	229.4	1306.85		
					228.0	1314.88					229.3	1307.42		
			227.8	1316.03	227.8	1316.03			229.2	1308.00	229.2	1308.00		
					227.6	1317.19					229.1	1308.57		
	227.4	1318.35	227.4	1318.35	227.4	1318.35	229.0	1309.14	229.0	1309.14	229.0	1309.14		

VIEW 3

c: 299792458 m/s

Chris Cole 6/18/20

Org	IEEE 802.3ba		MSA		WAVELENGTH		DISPERSION			GAIN
Standard	CWDM4	LWDM4	CW-WDM	CW-WDM	DWDM		SMF			PDFA
# of λs	4	4	*1* + 8	*1* + 8	ITU-T		ITU-T			Thor Labs 100
Grid	20nm	800GHz	800GHz	400GHz	G.694.1		G.652 A, B, C, D			-10dBm input
Span nm	60	14	*4* + 32	*2* + 16	nom		min	nom	max	typ - 21.65dB
Units	λ name	λ name	λ name	λ name	THz	nm	ps/nm-km	ps/nm-km	ps/nm-km	dB
	L0 (min)				n/a	1264.5	-5.9	-4.5		-18.7
			L-4		233.8	1282.26	-4.1	-2.7		-7.4
			L-3		233.0	1286.66	-3.6	-2.2		-4.7
	L1 (nom)				n/a	1291.0	-3.2	-1.8		-2.5
			L-2	*L-4*	232.2	1291.10	-3.2	-1.8		-2.4
				L-3	231.8	1293.32	-3.0	-1.6		-1.5
		L0 (nom)	L-1	L-2	231.4	1295.56	-2.7	-1.4		-0.8
				L-1	231.0	1297.80	-2.5	-1.2		-0.4
		L1 (nom)	L0	L0	230.6	1300.05	-2.3	-1.0	0.0	0.0
				L1	230.2	1302.31	-2.1	-0.8	0.2	-0.1
		L2 (nom)	L1	L2	229.8	1304.58	-1.8	-0.5	0.4	-0.2
				L3	229.4	1306.85	-1.6	-0.3	0.6	-0.6
		L3 (nom)	L2	L4	229.0	1309.14	-1.4	-0.1	0.8	-1.1
	L2 (nom)				n/a	1311.0	-1.2	0.1	1.0	-1.5
			L3		228.2	1313.73	-1.0	0.3	1.3	-2.2
			L4		227.4	1318.35	-0.5	0.8	1.7	-3.8
	L3 (max)				n/a	1337.5		2.5	3.3	-17.0