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Re:	Contribution on comments to P802.16e/D3	
Abstract	The contribution is a complement to comment on the 802.16e draft, including design for preambles using FFT sizes of 1024,512,128	
Purpose	To be integrated into P802.16e/D3 document	
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Preambles design for OFDMA PHY layer, FFT sizes of 1024,512 and 128

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1 Introduction

The preambles used in the 2K OFDMA mode were design to have a very low PAPR, giving many advantages including the possibility to boost the preamble to get better performance of estimation/acquisition/cell monitoring etc. we propose a similar design for the 1024, 512 and 128 FFT OFDMA modes.

2 Changes needed

In section 8.4.6.1.1 in the P802.18e/D3 change

- Page 79 lines 8-12

~~For FFT size other than 2048-FFT, only the first k elements of table 246 shall be used to modulate the DL preamble sub-carriers, where k is the number of carriers.~~

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- Add to Page 79 line 13

[\[change paragraph in page 556 IEEE802.16d-2004\]](#)

The PN series modulating the pilots are defined in ~~Table 307~~ [Tables 307a-307d](#). The series modulated depends on the segment used and IDcell parameter. The defined series shall be mapped onto the preamble subcarriers in ascending order. ~~Table 307~~ [Tables 307a-307d](#) includes the PN sequence in an Hexadecimal format, the value of the PN is obtained by converting the series to a binary series (W_k) and starting mapping the PN from the MSB of each symbol to the LSB (0 mapped to +1 and 1 mapped to -1, for example [in table 307a](#) for [the 2K mode](#) Index=0, segment =0, $W_k = 110000010010\dots$, and the mapping shall follow: -1 -1 +1 +1 +1 +1 +1 -1 +1 +1 -1 +1 ...):

[\[Change also table title to of table 370\]:](#)

Table 307a —Preamble modulation series per segment [and CellId, for the 2K FFT mode](#)

[\[Add tables 307b-307d : \]](#)

Number	CellId	Segment	Series to modulate (in Hexadecimal format)
0	0	0	A6F294537B285E1844677D133E4D53CCB1F182DE00489E53E6B6E77065C7EE7D0ADBEAF
1	1	0	668321CBBE7F462E6C2A07E8BBDA2C7F7946D5F69E35AC8ACF7D64AB4A33C467001F3B2
2	2	0	1C75D30B2DF72CEC9117A0BD8EAF8E0502461FC07456AC906ADE03E9B5AB5E1D3F98C6E
3	3	0	5F9A2E5CA7CC69A5227104FB1CC2262809F3B10D0542B9BDFDA4A73A7046096DF0E8D3D
4	4	0	82F8A0AB918138D84BB86224F6C342D81BC8BFE791CA9EB54096159D672E91C6E13032F
5	5	0	EE27E59B84CCF15BB1565EF90D478CD2C49EE8A70DE368EED7C9420B0C6FFAF9AF035FC
6	6	0	C1DF5AE28D1CA6A8917BCDAF4E73BD93F931C44F93C3F12F0132FB643EFD5885C8B2BCB
7	7	0	FCA36CCCF7F3E0602696DF745A68DB948C57DFA9575BEA1F05725C42155898F0A63A248
8	8	0	024B0718DE6474473A08C8B151AED124798F15D1FFCCD0DE574C5D2C52A42EEF858DBA5
9	9	0	D4EBFCC3F5A0332BEA5B309ACB04685B8D1BB4CB49F9251461B4ABA255897148F0FF238
10	10	0	EEA213F429EB926D1BDEC03ABB67D1DE47B4738F3E929854F83D18B216095E6F546DADE
11	11	0	C03036FA9F253045DF6C0889A8B83BAEFCF90EB993C2D79BD911CA84075061AA43DA471
12	12	0	1E68EC22E5E2947FB0A29E4CC70597254B36C60331EACF779FE752D3F55DC41ABFC7DC9
13	13	0	63A57E75A0434F035AAC4504B265081D497F10C77928B71797C5D6C6824DC0F23BE34EE
14	14	0	C57C4612816DE981C58FD6F8DE9DD41F2422ADBC522B0CE31F9A6D5F2A126DC08F69FB1
15	15	0	978256AF184E7ED17789B33D324C711B36BFBCCE5446EB03687E9A0A839C7CE156104D2
16	16	0	011EC823157DD73150640CEB7DDB0A1F8F91E09599A851D5C7CAF687CFB752D297D82FC
17	17	0	C6DE82BEB7F57B9120E8A376D85C8F70FDC65BC660402DAC4AE6002EA2740C4F9E5973C
18	18	0	4C74929D6F9FAB9E5BB761026038E076F6824295E0AF397806ECEBC6DC713F03ACDC27C

19	19	0	596F18F3D454D581BBC0A414F43B595E270AD5E5AA3D4CE6BF4860093EA13B271934344
20	20	0	13E1E85C2234D0F3418001A35F135E10C6C918C36BC659FDA9D655D288A0BDAA8BF489D
21	21	0	FD4AF2D8F4F08F1A7DF59291C9AEE788F641B8231CFB813376E0BEB68DFCFBBE552445
22	22	0	315E59049D478B0ADB32740B583DFE465F76B1F2021D0F5829B34A09EB1D85E0531082E
23	23	0	EBBC77A493AA0C62C62F25EE5E8D0701F50386F49026FA31487C9FD5C5206CE4EB00576
24	24	0	134F936F9E875842587ADCA92187F2FC6D62FFC3A833D8CDE465F9972ABAA83763AAEB7
25	25	0	3CD1DA70670BC73363D1B4A66D280FF6AA7636D07ECF32BA26101E5EBA1594FB8A0420A
26	26	0	918296B2937C2B6F73CF98F85A81B723D1C69DBDF3E019749C582DA22E789562729D475
27	27	0	C323981B8B2240865F48D61AE1B3B61D88522B7358952F949D4308CA15D1EE8FDFA683F
28	28	0	7514A6FA5FBB250C5C8CE96F791D676036C344A44B24284477B44CB3E758F8BCD58F05B
29	29	0	84C7FEC6E977FA1EC0C7CC9E0D067C73D8F846F82ABB3456D2104E1448D5A58D5975152
30	30	0	A0028A7F873AF31DFF45970F51E477346CF8EDD9EFE07694DCCDD6DAEC32694A1176D68
31	31	0	4841AFC277B86A0E067AF319422F501C87ACBFBDD66BFEA3644F879AE98BA8C5D605123
32	0	1	F35EA87318E459138A2CE69169AD5FD9F30B62DA04ED21320A9F59893F0D176752152FD
33	1	1	A0C5F35C5971CD3DC55D7D2B9FD27AA17A198583F580EB0800744EE5B6B3648DEA95840
34	2	1	A6D3D33AD9B56862DBF076E3ACE6A3150510CCC8BE77DE4E6E10EB5FE163765647D07DF
35	3	1	F335D714EDB2251A374746686EBBB485AF9A13C0F45324AE7D73A8C2016FE1A7C24A052
36	4	1	3B841526CCF9D4E1BB79E45E83F69A523A006B02BFCA C95594F4DDCB95705ADEBCF365F
37	5	1	52849D8F020EA6583032917F36E8B62DFD18AD4D77A7D2D8EC2D4F20CC0C75B7D4DF708
38	6	1	8E353EC8162F5BB6947F1843C84FE4114616B8CAA45BE4BF718899D818B5B4074FCDB4F

39	7	1	CC53A152209DEC7E61A06195E3FA633076F7AE1BAFFE 83CE565087C0507BA596E0BD990
40	8	1	17D98A7E32CCA9B142FE32DB37B2BF726E25AA7A557F FB5C400B47A38B16CF18E1EDE63
41	9	1	5B0B7631EFE3FFE1B558E7619DB8DD71D40E6CD6E4D5 517C8FACD20B6A9B85CCBC340CB
42	10	1	2B08F06EEB736C84585AAC5BF912A249BD2109F841F44 168E0D2971841976D0E28FCDEB
43	11	1	D3AA20EF175DF3BD96D638D6797A8AA4DE51A910446 465736E4D7953C8D50AD3D7A0096
44	12	1	A5BA8C7E2C795C9F84EBBD425992766BDE5549A7A9F7 EF7E44AFD941C6084568638FE84
45	13	1	33E57E78A5696255CA61AE36027036DA619E493A0A8F95 D9915C6E61F3006CB9706BEB A
46	14	1	09961E7309A9B7F3929C370C51910EBAB1B4F409FA976 AE8679F354C84C4051F371F902
47	15	1	508A9EBAEF3C7E09CFCFC0B6F444A09B45A130EFC8C5 B22BCE87213854E7C9D329C9ADC
48	16	1	FBCD16253DF81FDC86F726AAAF4F33EE771489281A64 184F3A929BD230A2D6AE4EC9E1C
49	17	1	AACEEF9BCDC82E4AD525185B07CBABCB74861D16F7 C25CFBA917B05463AD65391AF840D
50	18	1	23060ACC5A125DAB207EEEE47B4EEE1E8466BD17DDA 2EB3CD90D2AB7A758C213E6D7FE5
51	19	1	CA55521667BDA8B6F1B205201A51B3A0C05DE9EA06BC 73268730A81A992777021F46055
52	20	1	05ADFCA2F8207DC6FF8D1A85A1DD4694D4C48A838C4 F833C532710021AC448A7B62B8DD
53	21	1	EDB5D94052CF0D9A573078FB0EEDAB142ECA77547E04 E91C6A0037B2110924BCAD8F359
54	22	1	218C951223D7B712DC98F8B5217388A830003C5F2A00F2 32DD3475D2FC78C25B8D88FF9
55	23	1	79B94D24D721121EF678B7156F8D2666DE712BBF3837C8 5A9518781903146A7B4D42A28
56	24	1	58AABEF6A6BDE4011CAC583C5104B2C6FC5A2980F856 373E5931A3C690245327581FA13
57	25	1	429492DBCFE43A1B8C8037433003543CA2CF03035D13B A70BD773C6117D92E1B0446C9D
58	26	1	427D1AD18E338E16FCE6E23B4AD6D82A2144D53048F26 65AA94577AFABD26889FCB1F9F

59	27	1	337FE0E4C15A22471AE0F6B6F91161A7DE2E1403D73587D5C8355105D2F70642B2CE425
60	28	1	CC78DB7CAE28F42C00E9C857082C7BFA276386FDE905373D1E99DFC52D7C23520BECE2D
61	29	1	499FDB04EACA4BF7C9D956DC26E57A9AC636861AE9557F39792D1D70D0034067A9F4E73
62	30	1	A3FCAA311B536AC9DB39FED9F4E996506B3181C58D6B7E04157A3FD463F60468765BCFD
63	31	1	F484FD1F57F53A4A749B86148E0B1D0653667CE1393198875DDB0AE9179BBBDAAD53A11
64	0	2	29F529BD5762F27ACD3A0836AC6C8953951C04C67B92F05919F382C811D4C0EF9C01488
65	1	2	A3E9ECF1E6048562BC89DB6168E708855F0D4AD29F859EF36C9160DF407D85426233632
66	2	2	890519376D1FFAA2894EABCD6663B0A3C2411982C17B01270E0FB0B289D4BC8C3B83DA9
67	3	2	54FD243CC4DAA9B8E4D47F2DE45605D6EF2C17259CD10EF9EBC7B92F7F7299129080C75
68	4	2	BAC53AA6F0291E10E2CE9B52D22B682637B1F5501531B7F1EE6A649E2404196A028ED10
69	5	2	2C41D56E693B529AFC883E79ABE6B829201F132E6261A01973B4225CEE7116CEDADB2F2
70	6	2	09847B6187BB5F6F6728B4ED610088FAD9DADFC00748E9DCD8A0CE320D6C991654ABE05
71	7	2	91425CEE8F1DFD79EF572F9C66CB60BD4757E0519F133684B5A2F4E3E266532584DBEEE
72	8	2	3285AE0A3D196313659C37BE1C94D61D20F11FD49D9FDF9D1026FF5763F02CB78AE135C
73	9	2	0069D3F34D0D455AFB45FEFDF716333B785C6BDA90DA23F1CC68BC6A1DBC916C595DA3E
74	10	2	AA977A8BCA39381E7C35A1ACC7C4F60421C0862BFD6106C7C025B0676EA0EF68972DD8F
75	11	2	F310745C497094ABE56E0490C0800319DBE290553E696B6859635AF03B121F79D925D19
76	12	2	964DFD350B9C7DFDC7F6F7C43283A76F0D613E48A5520D1DAF761C6F47E389B43A023F5
77	13	2	8102E980BC69C2C3BE45452169DCA6C45C21B2A6DF69B12731FEF06399EA130752CF567
78	14	2	6D767B88D28A455CC3B56C942BAFD8E465A50FD2C22FE6162E03A9AAC3C1CC899800610

79	15	2	C5491C6CA3D998906EC1482F815B74B7C2E3816B682AC C6009AB7EFF34BF0E9CE59C754
80	16	2	237DB73895531253E3D7A62F485FD5D8ECAE11BE29E10 22DF659CB39A3C44120C5A0731
81	17	2	6D8EE32D30E19D93A0E5AD8226BAE9CF6FCBA17CF6E 67FDC5A15A81ECB8908BEDD77C80
82	18	2	A1A67B19CD5E80A7C1DE5780D1E594990482AA96DA82 C64AE51AB7EF3857A8F0B162888
83	19	2	98F8BFDF774C7A249418E6FF4723D6E6AB2F091CDE4D E1CE11D3BD463B509FB716940FD
84	20	2	8E5AB6F13AAC09CA5854781ACA774F68238387806AD6 CCC13EEF92B267F7FC576542AF1
85	21	2	477F8BD8905FDBF55191FC82D674094E080B539C743C19 C1064E6CA37CE692F52CB8164
86	22	2	7AFF110DBC3B44E4CA6054768146ABFAFFBB0862A196 D69A972FC318D922F620EA0F345
87	23	2	65300BAD8FFA21BC7DC2C1F79FA97A9F469CCC9E270 A61759F34D6276F57CBEB009CD21
88	24	2	F51AB5A322B4FA8C8DA65D96582C575ECD96FCAF41 DDE3A84AF8663CF4141888FEC269
89	25	2	6F36BB6D5A7DC4FB720439E91FF0DE86DD6C4B93CFC 4271F2BCC6169616E3AEAA19E360
90	26	2	1A4186FD2DE2B2B5FFA3A96DD0AF4673026FFE4F1455 1754CB2FE35E634F27A4CC7931B
91	27	2	7B6FF9A8738324CBB48BBD575ABD339B581FE16742526 E2A62A2D8D030B8712B2488DEF
92	28	2	D318414132A10423E99D0D952BCE250F93056CFDD86E0 AC2839CFC816F195DACF581F30
93	29	2	D056262D32B6B5C75D06411B5C3AB93B94FF48DDF952 3127F74104B873AE1114B60BF3E
94	30	2	D27B00C70A8AA2C036ADD4E99D047A376B363FEDC28 7B8FD1A7794818C5873ECD0D3D56
95	31	2	E7FDDCEED8D31B2C0752D976DE92BEA241A713CF818 C274AA1C2E3862C7EB7023AF35D4
96	0	0	0D26B8D5452948E30FD29D36E8404C8456657A6CBEEFC D91BB14F91E291F2C1C8F4119F
97	1	1	2CC0EEF167D75102669A814D11A51E569D07A7433A976 2A292D7E2A4FE35B9130FD67DE
98	2	2	FB5CBD0CB6FA80C8B3560B4C443BA4900BF2729B1600 98C2F783A7752B8BA235010A1DA

99	3	0	87BF4954022D30549DF7348477EACB97AC3565B838460C C62F242883313B15C31370335
100	4	1	076BF72542FB9FEBDEC3C316BC28CF0607BCEC5399EC 9228905375D3D15F929B586D7E6
101	5	2	82DD830BEDE4F13C76E4CF9AEF5E42609F0BDDCB000 A742B6372DD5225B0C3114494746
102	6	0	4E06E4CF46E1F5691938D7F40179D8F79A85216775384B D97966DB4BBF49FB6FAB8F945
103	7	1	8A842EF53464D03A34EE088E38118CB89F79035272B8ED 06C8E13A16B34FBFC5BF9CDA4
104	8	2	43380948BFA0642029561E309F371E153174A4E7AC511F8 861BE87D9F4D9246C93C2A92
105	9	0	32DE5121E785059F81D9A777565C51EFBB4F61B77ED088 70652A4DC32DEA58A8CC6F456
106	10	1	64164534569A5E670FDB390D09C04802DD6A16B022CAD C77EDD7464AFED43C773A8DC76
107	11	2	FB8769A81AA9DB607F14A6A95948401F83057CDC9C9C 3996BA5821403A49F00A4E35191
108	12	0	77710D6F40B4F79CC63F678551C3EC18FA9DF2C82E6C8 F415DADFD63264B7513180070E
109	13	1	3843D2B038045CB9C516B325BC0E242311ACFA807FDC4 0A8AD259B77F376C931A6F6AF0
110	14	2	503F196BBF93C238BFD5E735E5AE52E0DAE64F5E2F4C3 B92E553F51303C4A64C4403BF3
111	15	0	CA346FCCF511822F524C043D2003F3B12DCFEA276B91B A98EB3984BBCFD75C2A2E1B27
112	16	1	5FD4A6894566678C95B9D5A59DDE5366799045FEB03A2 BAA74094140E9068C61C2E972C
113	17	2	E68AE62D2EE51B14F9D33ED737253CDB55A6E27725405 0830F2FE409E5EE284534FC3E5

Table 307b —Preamble modulation series per segment and CellId, for the 1K FFT mode

Number	CellId	Segment	Series to modulate (in Hexadecimal format)
0	0	0	66C9CB4D1C8F31D60F5795886EE02FFF6BE4
1	1	0	D8C30DA58B5ED71056C5D79032B80E05522C
2	2	0	8EB62664E3B2C5222DE18E9000561F25AAFC
3	3	0	3B32299087C257CD31C67E4AA5DD697B0E08
4	4	0	3B32299087C257CD31C67E4AA5DD697B0E08

5	5	0	C07E0B0C5DB44071EE6CEC40CA3135CB5DB8
6	6	0	C07E0B0C5DB44071EE6CEC40CA3135CB5DB8
7	7	0	89B08CD299A8AC757DB59107AF4E1EF1EE1C
8	8	0	1B72E8C0ECFAABF050091382B411B45A718C
9	9	0	5B33ED5A6303397EC3CCC35C8203A5A05178
10	10	0	AD1173C461254BF9181238319F93F86AF964
11	11	0	2662789A0B78BA5EDEB403CE5D62A802D50C
12	12	0	51E2005BBA69C858BCC741D84990B657271C
13	13	0	21A03B607DD96F270CBC759B2A9BD6A84A34
14	14	0	4518EC4C7AD645D24AD949B42A7881403C7C
15	15	0	F8B70C595A37315D301D378A4D2848C821D4
16	16	0	487DD10C5F24C1A9AFD9D8F442B073446480
17	17	0	F8B70C595A37315D301D378A4D2848C821D4
18	18	0	FF42582005F8382C5CC6298D757155B36B24
19	19	0	599EF40107CBB3B30AF945365494A0D60570
20	20	0	C6D6BE87F0D88458ABD22DE822B64E450738
21	21	0	5D4D86E62D6B3CA63F76C85AE79F14217408
22	22	0	E043896829F236B10A35014D9E4F26ECB95C
23	23	0	2347472A610FC084C71460393AEF36CBE928
24	24	0	5F4D880DC516DC0B3860DA948225D2BC6770
25	25	0	9EFEEA99631FAF0D9589E9640BCD56C5FF08
26	26	0	9EFEEA99631FAF0D9589E9640BCD56C5FF08
27	27	0	FE792EF83B235B3D4A6447BED27035454BC0
28	28	0	B3B1B868C121C4555A64161B654A4FE81D70
29	29	0	476EA99AF9F73D018EB649F2EE789CE0B4EC
30	30	0	B7C2D44078510ADD2447D93E8A1231AE3910
31	31	0	16A9D8F71CC1CD0EFA0008AA343A7A4ADA4 C
32	0	1	2815DA9666DFBCCFAEEA82F965B70E06F42C
33	1	1	7389FDE96166E7E40F7A6778AA02944937A4
34	2	1	7389FDE96166E7E40F7A6778AA02944937A4
35	3	1	A0598A0907798B3465DD8CBD08565F0FB5B8
36	4	1	0E75B3C128085C954A25E5808FC5833A8FB0
37	5	1	BBCDA362265B4D4D2BEE80F635E638316280
38	6	1	660047B06A1B5FAE6A9F0679DBCA9B1A2DF4
39	7	1	117773F464DFB00EC570DB2C8546B534A388
40	8	1	2594AE119CB87E802D67EF7EE0EAE99474CC
41	9	1	2594AE119CB87E802D67EF7EE0EAE99474CC
42	10	1	86823FCCBA812BF28F4EF65732E938361484
43	11	1	8800AECA9BF4C9CB5B4A32D950E1B8FC8740

44	12	1	8FB3FA462D2CFAF842BB5319D9786A997C10
45	13	1	8FB3FA462D2CFAF842BB5319D9786A997C10
46	14	1	599E199B609C0C654DB053E8C94F343AAFF8
47	15	1	E0187D89220D11B5F60DAC078A5E2EED6EF0
48	16	1	E0187D89220D11B5F60DAC078A5E2EED6EF0
49	17	1	B71B524A36024F5B93F827D59DE7DF2238F8
50	18	1	304CD86DFE201256227046C3D0AE7D5F51CC
51	19	1	D2D899FBB154C422F25F218E432E483AE7A0
52	20	1	CB766885201284B65C6460F29AAE9411BF18
53	21	1	69F57E074F14A10FEC6144C26E98C4688330
54	22	1	24C5314B4FC521470F94DFE0F72AB8DB1910
55	23	1	6E4E07CC03CD3E0BDEEAB58975B4CA8E777C
56	24	1	D2C4067132528AA41BBE61A9C171A382F768
57	25	1	B027CB82594D3900700B541A99CCD5FD5870
58	26	1	24C5314B4FC521470F94DFE0F72AB8DB1910
59	27	1	76A0B07A726FB16B905A4678708759042288
60	28	1	E9B565C61F73EC6633A1F2D96EC409495B80
61	29	1	E9B565C61F73EC6633A1F2D96EC409495B80
62	30	1	EBD7E29110582C5951233AB22B03DE709698
63	31	1	0CCA91DA1B42B0B55C924F32B08B1FAE0E18
64	0	2	60F073332D4EE53CC709FFF645F545AA0348
65	1	2	928E1442069F540326E72775785C2788D3A4
66	2	2	928E1442069F540326E72775785C2788D3A4
67	3	2	5633AC03D79BE3901A79E1FFAF65B3756448
68	4	2	0F93A3C4ED837D800637B5F52FB1D73B9A68
69	5	2	F110CE0220306AD14EECEC07AC36EB28725C
70	6	2	A4213FFB85B56E27C74FC6ECBA359875438C
71	7	2	1A37F92589686CFE5E4D4BFD8E2BC63AA8CC
72	8	2	1A37F92589686CFE5E4D4BFD8E2BC63AA8CC
73	9	2	31531C7B2F7518BF59ACFB216FC74D09F2F4
74	10	2	CE026112DF00BB74E1B1F43B595112B16344
75	11	2	503494DE054AE395883AEDD8CC7801B8F124
76	12	2	503494DE054AE395883AEDD8CC7801B8F124
77	13	2	261EAF7C9AFAB5109DEC8A968A79F90F10CC
78	14	2	234AEE2720BAF6D7C7D6B9E628177243EC98
79	15	2	8447E25CA9A0EE1CFB9FADB6C42B8F565B3C
80	16	2	8447E25CA9A0EE1CFB9FADB6C42B8F565B3C
81	17	2	E571539289316AB94B6DF923124F5F91CF34
82	18	2	757C45DA8F140FB6E71024294B2439CDACFC
83	19	2	F2A59A32B51CE505E45E9B5C7C7DBE880DF4

84	20	2	06EA6FE59D24AFF1A789F068ACE32B76A54
85	21	2	FBDD67D1E2F87744FA17E6821AD8D8D3A528
86	22	2	DCC89E78138BAFE47555B6F97128D4F394A4
87	23	2	34DF9E83D74050A72C61908EC53E8C0CC88
88	24	2	8DFBF09479BC91E466A539E077D2B26A8B2C
89	25	2	BE4DEB5A007D6B39A0CA0611C323A7A6716C
90	26	2	38BCA168FED54EEF63E858444D0CB936C108
91	27	2	15CA281F8FC9BFBF340FAC8EE3236D3972D4
92	28	2	1C6FB87D76DB82FFA1E492166684CACEE560
93	29	2	524CF9B10D3F1AF51BAF9731980C2CF41D60
94	30	2	524CF9B10D3F1AF51BAF9731980C2CF41D60
95	31	2	E0503D5DFA4A57704C718920F3245A436624
96	0	0	A32CF584137FDF1D4CCE6A1CF40FEC1F4AE0
97	1	1	EC4D3AC52136FA468F28777078C8A82C0808
98	2	2	379C84F3A2A3EFEC4B866EB8710D209A54BC
99	3	0	30CABB208C9D6C774814A163765E4ACBC540
100	4	1	30CABB208C9D6C774814A163765E4ACBC540
101	5	2	7AED914DFCB6A06858382BC4ABC6625C44D0
102	6	0	CA3448C6716F6F8D15D7372A3A4F6E825A14
103	7	1	1C7B1FD490936A2B573037CDF699BD50F068
104	8	2	2D0FC9267E8546393BF113A1AEA2922128C0
105	9	0	ABD1526F4A510F820B689F30C1E7B88C8848
106	10	1	D9F00A909C7B9D92E7EE8477CB50D9456580
107	11	2	9AA34CA12E72C28DD0E97E5DCC4808C36700
108	12	0	36D738CD3F9F8D2D3BFB20F6AA32B31540F8
109	13	1	D54203CE6775B80D1963027DA3EB12D7C9D0
110	14	2	7AC41CAA627C46C2FCD23D9B7DECB2E2E18
111	15	0	7AC41CAA627C46C2FCD23D9B7DECB2E2E18
112	16	1	94E4E2AE2C4E47FD7D0A154C25BF40F759E0
113	17	2	43BFFD566D85BE162650670BE1A3CA523284

Table 307c —Preamble modulation series per segment and CellId, for the 512 FFT mode

Number	CellId	Segment	Series to modulate (in Hexadecimal format)
0	0	0	01E52A9B3
1	1	0	C96FF8AB1
2	2	0	A1F5CE648
3	3	0	1E2BF6919

4	4	0	051798B72
5	5	0	932D7FA8E
6	6	0	932D7FA8E
7	7	0	2CBD50F73
8	8	0	F86F6A451
9	9	0	2BA44F7E7
10	10	0	EEFA172C3
11	11	0	FF46C729A
12	12	0	11C1DEA49
13	13	0	E02B1D6D9
14	14	0	0362D5C61
15	15	0	27DDC7CA5
16	16	0	17EAEDAC6
17	17	0	94ACD9E03
18	18	0	F01472932
19	19	0	D345E8C40
20	20	0	1A1AC22DD
21	21	0	FD5E18DA6
22	22	0	07116DA91
23	23	0	35DEB6E0E
24	24	0	A0185E326
25	25	0	93B3F9C75
26	26	0	0FF3CDCD5
27	27	0	AAD266780
28	28	0	632481EA8
29	29	0	9B2D6A380
30	30	0	B5D3C6740
31	31	0	C1DDDF6A5
32	0	1	8BB8104A5
33	1	1	64C4215F0
34	2	1	64C4215F0
35	3	1	6B7C8AE0C
36	4	1	0CE481A55
37	5	1	AA5B9E7E6
38	6	1	87C89EF75
39	7	1	5A83EF8CC
40	8	1	207AA794C
41	9	1	FA3A6D7AC
42	10	1	6A4D1C403
43	11	1	972C3FCEE
44	12	1	44B91C10D

45	13	1	404AD1671
46	14	1	8039A8B46
47	15	1	7761B4BD7
48	16	1	78376108A
49	17	1	31ABBF06D
50	18	1	69C6E455F
51	19	1	AB3B3CFF0
52	20	1	15319240F
53	21	1	731412685
54	22	1	E1A55FF33
55	23	1	0FF3CDCD5
56	24	1	A3135C034
57	25	1	FC9DB558E
58	26	1	FECCB2B85
59	27	1	AA37BDA7C
60	28	1	90955CE1F
61	29	1	ADBC1B844
62	30	1	A04A3B197
63	31	1	015E56CB3
64	0	2	38E8240AD
65	1	2	382A846DB
66	2	2	E4D7DE350
67	3	2	E4D7DE350
68	4	2	ABCF97B09
69	5	2	249DEABE3
70	6	2	B233CA140
71	7	2	B233CA140
72	8	2	543C676DB
73	9	2	DBE7E42AE
74	10	2	DBE7E42AE
75	11	2	A7957FC4C
76	12	2	64D6F4038
77	13	2	4D0F99EF5
78	14	2	D2DD02238
79	15	2	FEA763CB2
80	16	2	3672D5700
81	17	2	64D6F4038
82	18	2	8CE0D5FB6
83	19	2	CC25D7A7E
84	20	2	CC25D7A7E
85	21	2	CC25D7A7E

86	22	2	1DCEBCBB6
87	23	2	55B6F39F8
88	24	2	01ECB468C
89	25	2	6F6C13855
90	26	2	5DA531038
91	27	2	7019D3A92
92	28	2	784CF7EAB
93	29	2	5AAC86FCF
94	30	2	E98250DC4
95	31	2	3F0C9ABBD
96	0	0	57ED9398F
97	1	1	C725A2E40
98	2	2	64F194A80
99	3	0	575A313E4
100	4	1	E4BEEBD18
101	5	2	332D6AA0F
102	6	0	FBD62ECA6
103	7	1	38665B015
104	8	2	07085DAC8
105	9	0	4CEEB5E1F
106	10	1	9E5CD5B80
107	11	2	B428BA19C
108	12	0	63A76FD05
109	13	1	517C8460C
110	14	2	A1B58A608
111	15	0	558DA7003
112	16	1	FF64761CA
113	17	2	7DF07735A

Table 307d —Preamble modulation series per segment and CellId, for the 128 FFT mode