Editor's note: add new clause 142A.2 after existing clause 142A.1.

142A.2 LDPC FEC Encoder Test Vectors

Five test vectors are provided to assist in the implementation and verification of the FEC encoder and interleaver as presented in 142.4. The locations of each of the vectors in the processing path relative to Figure 142-6 are shown in Figure 142A–1.

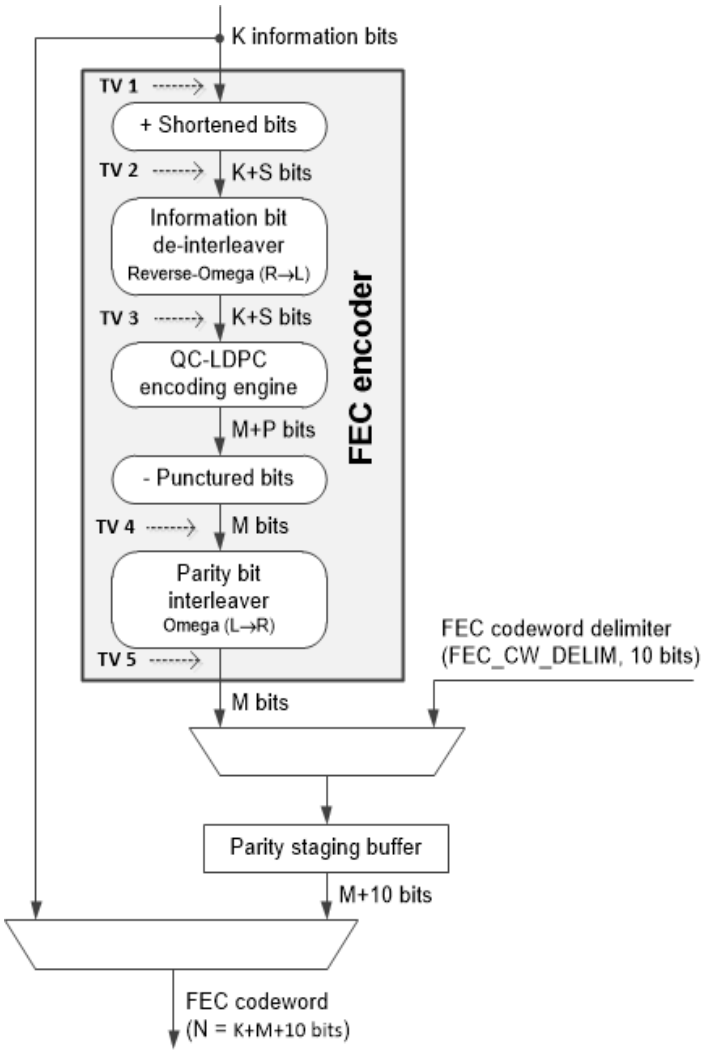

Figure 142A–1 LDPC FEC encoder test vector locations

The description for each of the five test vectors are provided in Table 142A-1
.

Table 142A-1 FEC encoder and interleaver test vector description

Test Vector	Filename	Description
TV 1	ldpc_tv1_pre_zeropadding	56 × 257-bit line coded input, pre-zero padding
TV 2	ldpc_tv2_pre_enc_pre_deintlv	57 × 256 K+S bits, pre-de-interleaving
TV 3	ldpc_tv3_pre_enc_post_deintlv	57 × 256 K+S bits, post-de-interleaving
TV 4	ldpc_tv4_post_enc_pre_intlv	10 × 256 M parity bits pre-interleaving
TV 5	ldpc_tv5_post_enc_post_intlv	10 × 256 M parity bits post-interleaving

Bit 0 of word 0 of each test vector is first on the wire.

NOTE—A ZIP file containing the five test vector text files as named above and as shown in Table 142A-2, Table 142A-3, Table 142A-4, Table 142A-5, and Table 142A-6 is available at {URL}

Editor's Note (to be removed prior to publication): Link to the ZIP file to be added here prior to publication.

The values for Test Vector 1 are shown in Table 142A-2.

Table 142A-2 Test Vector 1 values

Test Vector 1 - 56 x 257-bit line coded input, pre-zero padding	
Word	bit 256 <---------- bit 0
0	0_a898_6489_6f96_72a1_eadc_2ebe_5b45_58db_cbbd_dad8_993e_4d47_5e44_cabc_d03f_d86a
1	1_38d2_acf9_00a5_e167_2ce2_5106_81b5_92af_2b27_c3be_cd34_d1cc_8221_8962_7ed3_8342
2	0_b07e_a772_4718_f676_2213_6458_89b3_d440_0ba7_18ae_ce2a_4e1e_2a56_5f2f_27cb_639f
3	0_1bd8_a2f1_32b0_56b7_144d_dce1_d32d_3654_d091_1e65_1992_aeb1_4f0c_a4a8_b122_3361
4	1_08b3_9e8d_3f58_2fb6_89a4_5232_5477_0029_0fd6_0d55_c87a_3ce6_70e4_0a6b_3217_c2fe
5	0_6066_b549_79ec_72e9_735e_8abb_a9fa_0749_d8f1_5ae4_ed30_30c3_8d8c_d95a_cb17_2951
6	0_aaa0_78e0_6697_149a_10d3_1630_91e4_80a8_2de6_4525_297b_e681_4bc3_be87_5c6e_272f
7	0_5857_7d99_4485_651a_df56_6c9b_14e7_ea6e_9bb2_e911_e4cd_fe74_b773_df85_da11_7a92
8	0_4a43_c383_a100_232c_afb2_e0ae_1957_aeea_c88a_84db_807a_afbb_eda1_c3bf_6970_ad7c
9	0_a6a2_0e80_a4f6_1b06_d1ca_4c1f_3025_552c_34f3_4d66_513c_ad97_8871_20cf_603b_87a3
10	1_8f88_44d7_4914_f877_7483_1c22_abd7_1be5_1d90_a69d_3ffd_d80a_2656_5cff_eb3a_ae30
11	1_4141_4aa6_ae8f_0e91_a50f_b7b6_8089_bb06_56ec_fed6_2ec3_1868_6f62_33bb_6018_de7c
12	1_4d4c_df64_ff9b_068b_22c8_ef32_f084_3316_afda_c4da_0c53_7022_3aa9_9063_50a9_5bae
13	1_c1c5_4a63_767f_6111_8fbe_661f_bcc7_38af_a8e0_099e_6e9f_ebf9_7cdf_584c_5503_40ef
14	1_7d7c_1594_9f7e_c3de_8e3b_98a0_62ac_8092_b623_7119_8e4c_624f_c3c0_dea7_0c9f_124d
15	0_2c2e_97e7_bc48_ce5e_3cdd_6873_ae4a_2d5f_a806_88b1_2ddb_5afb_1bf9_9afe_80e1_4df3
16	1_6767_7d3b_dea5_b224_d662_0593_e0c0_4d3e_c740_e462_4d9d_ce79_6ca2_230f_95aa_da1d
17	0_a4a3_9651_5029_c07f_3245_c7d4_f414_9443_4099_dc15_83a4_2368_7570_4d26_39e2_3a87
18	0_6660_8dfb_765e_60c1_96cf_c21c_14b5_afe1_f3d9_ec5a_ee8c_4ba4_3ba6_0e2c_eb65_a512
19	0_5c55_4070_fcf9_ee32_8ca9_efe3_5b62_df7c_94cd_3d68_219e_455f_9b0c_6682_d8a7_4f2b
20	1_aba8_ee28_7eae_9b33_82c6_d729_cca3_414e_9a2c_8cf1_b5e4_0abf_1048_f478_0722_3e2c
21	1_3933_5a7d_91bb_ed92_0ff5_e8bf_4ae4_8f52_fbef_e6cc_1cd4_0b73_1bc0_1b11_d335_5cf0
22	0_aaa0_aecd_2c00_7d77_0a73_b3b1_ee0b_baa5_8730_fb0e_c9e0_c897_a9ad_0223_5761_7fee
23	1_e5ee_4a2a_04f4_2701_579b_62cf_3fa6_f690_00a7_fe22_c9bc_ebfc_146c_f165_9712_26e7
24	0_1a12_7d28_0bd9_9d10_2c88_f938_d63e_55f9_2b92_329e_7dc2_5a2f_a077_232b_2fd6_65ae
25	1_9397_6600_a9fe_4540_9c8a_7ca0_fea8_44de_1b62_78b6_1627_f377_ccb2_6263_6665_b937
26	1_5954_53ab_f64a_e543_baf8_7f37_15cc_a010_a834_5485_5278_6c83_7fb1_d18d_98e4_437c
27	0_4845_abe0_c00e_5474_68ea_e498_eb44_c8d3_736f_afab_77d4_eb83_f504_430a_f2d0_e87b
28	0_f2f5_636c_4263_f40d_9ddc_1cf8_83c6_bb5e_fe00_b356_4c52_d6d9_54b4_703e_a61c_deb5
29	0_5250_3614_ed67_0d26_45d7_4b21_1548_e707_4ff8_598b_5ca6_3160_90af_2eb5_e8ad_0679
30	1_131a_f776_d931_aba0_930f_bee1_0d4c_f759_79f5_21ad_e1ce_3c1d_5e8b_f700_4932_10b9
31	1_6d6f_a433_3f30_f13e_8597_6d2d_b137_617b_46b9_25ae_bb55_2c9a_8b3f_c1f7_e05d_5921
32	1_3530_c74a_55e6_29d8_e09a_1ec6_c84b_4205_d317_2736_1976_af3a_d1fb_20d8_2808_38f5
33	1_9b98_267b_e963_0d21_29db_58e0_1a90_fefb_cee3_19fb_53a2_78c0_3661_3a25_68f2_f279
34	0_9a9f_6cbe_cfe9_a0b3_a244_fcf2_9d2c_a511_0c05_65ed_6931_4e88_a38b_19c7_5d14_b41b
35	1_717c_58bf_7305_fe74_19f0_2420_294c_7d4e_445b_90f0_cf97_e4b0_8f7b_13fa_84e7_da04
36	1_c5cd_3115_3151_1b76_a12e_e77a_b904_8066_c6cb_d7ae_8cad_8e1e_97ec_b0bf_164c_5ec4
37	1_0f00_b778_1aed_b051_c818_0566_18fc_2478_b230_a1ce_ce6d_7f6f_69b4_a94d_458c_b288
38	0_a8a1_4a34_7233_e0b7_f8b6_eadd_e309_402b_ee7c_a5f8_958c_f3b0_1602_67c2_0310_e8ca

Table 142A-2 Test Vector 1 values *(continued)*

Test Vector 1 - 56 x 257-bit line coded input, pre-zero padding	
39	1_979f_d151_50c3_0d3d_fd55_d24e_4b39_e4db_b1e2_e05b_791a_f32c_b64a_2338_1fd0_5f6b
40	1_b9b7_6eb9_2322_b43b_a79d_eb20_bfe2_353f_de05_0c45_8731_45ef_724d_73ea_12b5_e13b
41	1_7379_9146_db06_bded_2bd2_5ccd_1bf8_dff3_16a0_c2f9_181a_bd40_2200_8b3c_86eb_511e
42	0_282f_1983_87d6_1993_34c9_ccd2_d3ef_f754_efd4_eb5a_5222_7ced_399e_926d_52ec_066a
43	0_0c01_4358_6e8b_9837_888d_c12b_cdf7_1660_0ceb_a4df_bddc_4f4a_fd92_8f71_e2e8_f7a1
44	1_6f66_0d97_f9c3_2464_8e70_e3b6_b9d5_f8e4_894b_465f_bc6c_afae_95a9_4eb0_4600_b938
45	1_d7df_ad63_f0cb_f146_080a_cf1e_beec_441c_47ce_1f27_839e_9b2f_c480_f4d6_b82f_ca18
46	1_4f4d_6a3a_3a18_1ce9_5f2e_beb7_54b9_672a_dd06_df1b_7be3_c709_0f40_0150_eaef_4241
47	0_d0d5_8abe_39c3_3b57_7111_29f8_de2c_f78f_cdf6_27d8_94a6_0fbc_b4a0_ba3a_50ea_ae59
48	0_828f_5bc8_88e2_88fe_cac7_3733_c537_b1dc_ae47_a392_f4b0_f86c_cc01_854d_f5a6_1839
49	0_8e8a_1f4d_1a41_1a46_00b3_5172_1c47_f722_b0ec_d369_549c_110a_919d_e277_3227_7960
50	1_1f1c_d33e_483c_619a_43a4_b751_3b9f_2ffe_335a_ea11_1bad_4a58_8c8d_ded2_5a4b_8d9e
51	1_cfc3_238d_af1c_e1f8_9396_daa8_361f_5391_cdda_94aa_a44f_515a_5bed_b40b_a763_8dfe
52	1_2923_c5f2_25cb_382e_94ba_eaf9_2fe7_7e70_a4e5_70b7_1896_56c8_2f6d_016b_b5cb_6809
53	1_272b_cc3d_6032_55c5_0833_6bf3_8685_1795_93d7_f6ce_8a62_4a89_10e9_7737_8ab3_70aa
54	0_4248_ab03_f886_bbdd_2ddb_cd89_9bf5_40d0_1dc4_88e7_5d6b_bd16_c798_eead_7760_746c
55	0_dcd5_6bb5_0194_b1e6_2759_c423_a962_ca01_e923_cd7e_5b60_c7e0_cc45_9e19_19a9_730f

The values for Test Vector 2 are shown in Table 142A-3.

Table 142A-3 Test Vector 2 values

Test Vector 2 - 57 x 256-bit K+S information bits, Pre De-interleaver Reverse-Omega (R->L)	
Word	bit 255 <---------- bit 0
0	ac37_f816_7aa6_44f5_c564_f932_36b7_7ba7_b635_45b4_fae8_76af_0a9c_d3ed_224c_322a
1	0b07_2df9_1a46_1104_ce2c_b2cd_f70f_9353_d526_b605_8229_1cd3_9a1e_9402_7cd5_2c72
2	ce36_9f27_a7d3_52a3_c392_a39b_a8c7_2e80_115e_6c88_d136_4223_7378_c712_772b_f069
3	6cc4_48d1_5253_0f28_d754_998a_6788_90b2_a6cb_4cb8_73bb_228e_d6a0_d4c8_f451_bd87
4	e87d_099a_ca04_e1cc_e78b_c275_560d_7e12_801d_c549_8944_b22d_be83_5f96_2f39_a218
5	a53a_34d6_a6cc_6c70_c303_2dc9_d6a3_c6e4_b817_e577_545e_b3a5_d38d_e7a4_ab59_818f
6	723b_1d70_bee1_e940_b3ef_4a52_5133_da0a_8093_c486_3465_842c_9474_b303_8f02_aaa2
7	5e88_5ba1_fbce_ed2e_7fb3_2788_974d_d976_57e7_28d9_366a_fb58_a6a1_2299_beea_1a7a
8	6a1d_2dfb_870b_6fbb_eabc_03b6_42a2_26ae_ebd5_30ea_0e9b_ea69_8801_0b83_8784_a449
9	8770_1bcc_1238_47a6_d4f2_299a_cb3c_b0d2_aa90_33e0_c94e_2d83_61bc_9405_c115_947d
10	aae6_bff9_d353_2280_ddff_e5cb_284d_c53e_c75e_aa21_c609_7770_f944_9759_108f_8f17
11	b180_6ddc_c46f_6161_8c37_46b7_f376_a60d_d910_16de_df0a_5897_0f17_5655_2828_2863
12	52a1_58c1_32ab_8881_d946_0b64_6b7e_ad19_8421_e99e_e268_9a2c_1b3f_e4df_6656_53e7
13	b02a_8c86_becf_a7f5_fe5d_9e64_01c5_7d47_38cf_7e19_9f7c_6221_bf9b_b194_a8e0_eebb
14	7c98_72bd_81e1_f923_1938_cc47_6236_a480_9aa3_028c_ee38_bde1_bf7c_94d4_1f5f_7dc0
15	8701_7f59_9fd8_df5a_dbb4_8d11_6015_fab4_5275_ce16_bb3c_7a73_123d_e7e9_7434_5924
16	ab53_e188_8a6d_3ce7_7364_8c4e_05c6_f964_060f_9340_8cd6_489b_4af7_b97d_cdcd_cfb2
17	1e71_92c8_3ab8_5b10_9706_a0ee_640b_08a4_a0bc_af8e_8933_f80e_502a_29a7_1495_70b6
18	36b9_a383_2ee1_2e91_8bba_d1bc_de7c_3fad_6941_c21f_9b4c_1833_d376_fd88_3333_8571
19	51b4_1663_0d9f_aa27_9841_6bcb_3293_efb4_6dac_7f79_5314_c779_f3f0_e02a_a3a2_452d
20	9c03_c5e2_411f_aa04_f5b1_e626_8b2e_5058_a672_9d6c_6839_9b2e_afc2_8ee2_babd_4f2e
21	32e2_3600_f633_b40a_ce0c_d9fd_f7d2_bc49_d4bf_45eb_fc12_6df7_626f_96b3_2726_8f88
22	7562_205a_caf4_8983_c9b8_6f86_70d2_aee8_3bc6_e6e7_2877_5f00_1a59_ba82_aa83_ceab
23	e9a6_8f36_283f_d73d_9344_7fe5_0009_6f65_fcf3_46d9_ea80_e42f_2054_5277_a7bb_ff43
24	e9a9_89dc_0be8_b487_7cf2_9893_a93f_54f8_d639_3e22_6811_7337_a029_7c90_b0e7_6448
25	9b19_1934_cfbb_3f91_a1b4_791b_61ec_8855_fc14_f944_e40a_89fe_5401_9ba7_26eb_4cd7
26	cd8c_5c6f_f609_b0f2_5509_5160_a840_299d_4767_f0fa_ee15_3a93_7eae_5154_d7b2_7699
27	f50c_220a_fc1d_72be_ed5f_5f6c_ecb1_322d_7192_7571_62e2_a700_307d_5a21_21f6_1138
28	af81_c5a5_536d_6946_4d59_a00f_ef5b_ac78_23e7_0777_3605_f8c8_46d8_d5e9_ede1_70b4
29	eb5d_3d42_41a3_194e_b466_87fc_b839_c4aa_2134_bae8_992c_39ad_ca1b_0292_95af_670c
30	0077_e8bd_5c1e_39c3_dac2_57cf_4d77_9958_43be_f864_82ea_c64d_b777_ac64_6798_2d45
31	ef83_fcd1_5934_aadd_75a4_9d62_de86_ec8d_b4b6_e9a1_7c8f_0cfc_cc25_f6b6_ce84_2649
32	3609_bf16_b9ea_dd30_d9c9_d197_4085_a426_c6f0_b20e_3728_cf54_a5c6_1959_849a_ba07
33	9172_19b0_0c79_172b_7e63_1dcf_7dfc_2560_1c6b_6e52_12c3_1a5f_7990_6767_5e38_2028
34	1cc6_8e28_8b94_64b5_bd35_0184_4529_a5ca_79f9_122e_682c_bf9b_e9b7_caca_793d_3c5a
35	fc8d_ef10_d27e_9f30_f09d_a227_2be3_2940_4240_f982_e7fa_0cef_d1a3_e8ee_c169_45d7
36	a1a6_fd2f_0e36_a62e_bd7a_6c6c_c024_13ab_dcee_90ad_db11_5195_1196_7472_05be_7215

Table 142A-3 Test Vector 2 values *(continued)*

Test Vector 2 - 57 x 256-bit K+S information bits, Pre De-interleaver Reverse-Omega (R->L)	
37	a54b_65bd_bfad_9cdc_e143_1347_890f_c619_a806_04e2_836d_d607_bb40_3c24_6f46_4d1f
38	f320_3406_e798_d48f_d29f_3bea_0148_63dd_abb6_8ff6_83e6_2716_2942_8a84_534c_68ac
39	c452_6d34_cf58_9eda_0747_8ddb_279c_d272_4baa_bfbc_b0c3_0a8a_8bf9_e9a9_8b84_6021
40	9d64_9def_4519_c344_6140_f7f9_588f_fa09_af73_cbb8_5a89_893a_eddb_3bd6_fa0b_f81c
41	4401_100a_f560_627d_0c15_a33f_ec7f_62cc_e92f_52de_f583_6d8a_267b_3bb9_0f5a_90af
42	4bcc_e5b9_f222_52d6_b95f_b957_7fbe_5a59_9c99_664c_c35f_0e0c_c7a0_a1e2_2b5d_84f3
43	149b_f52f_23bb_dfb2_5d73_0066_8efb_3d48_3b11_1ec1_9d17_61ac_2803_02b3_01ba_55b2
44	52b5_2ebe_a6c7_bf4c_5a52_24e3_f573_adb8_e1ce_24c4_9873_fd36_0cde_d85e_f174_78ef
45	c048_fd36_5e70_793e_1cf8_8e08_8ddf_5e3c_d404_18a3_f4c3_f1ad_7efa_e393_a00c_41ae
46	0178_4871_e3ef_6c7d_b05d_aa73_4e95_76be_ba7d_4b9c_0c2e_2e2b_5979_4614_fd07_5acb
47	052d_3df0_6529_1be4_6fb3_f1ef_347b_1f94_888e_eadc_c39c_7d51_ab0b_4121_7bab_8540
48	0066_6c3e_1a5e_938b_c4ea_771b_d947_99d9_c6a6_fe22_8e22_27b5_e282_9a75_570a_5c5d
49	e625_4220_e4aa_5b2c_dc35_13bf_88e1_3a2b_3401_8962_0962_cbe1_45c5_3830_cb5f_6543
50	8988_d295_aec4_42ba_d663_ffa7_cee4_5769_2e12_cc31_e093_e659_c7c4_1a7b_9133_b91e
51	7da5_a8af_2255_5295_bb38_9caf_86c1_55b6_9c91_f873_8f5b_1c4c_3f3b_cd8e_92d2_5bdd
52	de82_6d4d_231d_a1d4_e4a1_cfdc_fe93_eaeb_a52e_839a_7489_f478_9297_fb1c_6e5d_02db
53	c224_5491_945c_dbfa_f26a_7a28_5873_f5b3_0428_ea93_01af_0cf5_3932_02da_75ba_d016
54	f1b4_5eeb_5d73_8891_dc05_8157_ecc8_d9ed_da5d_eeb0_8fe0_6a89_2115_43b3_547b_3ba5
55	3307_e306_da7e_b3c4_9780_5346_95c4_239a_e467_8d29_80ad_d6ab_3b1b_1703_775a_bb8c
56	0000_0000_0000_0000_0000_0000_0000_0000_0000_0000_0000_0000_00f0_ce95_9898_79a2

The values for Test Vector 3 are shown in Table 142A-4
.

Table 142A-4 Test Vector 3 values

Test Vector 3 - 57 x 256-bit K+S information bits Post De-interleaver Reverse-Omega (R->L)	
Word	bit 255 <---------- bit 0
0	75bf_2a5d_425d_12f1_18fe_f6ee_51d6_cceb_52d1_39ac_8bcd_d048_f231_3a5a_ca6b_7ca6
1	87ff_8610_71e9_2633_3062_0e6a_6012_b213_e093_4059_82bf_74fd_145f_55fa_1a02_3da5
2	037c_2bc0_5abb_191c_c4c8_4e5c_bae7_76f3_7a02_5770_1ea5_d93a_7117_c4e8_1cd8_6ca1
3	e342_1358_42cb_d1e4_99e1_14b0_5cf7_40ce_b3c6_9052_822d_173e_37f6_d933_9c1b_6122
4	e3eb_9b3e_785b_529a_4f4c_3e09_7010_64a5_3757_01dc_7f9a_c122_828a_a81d_7660_099a
5	374f_7d3b_073a_a5b0_bd01_ee40_0615_3aee_82c0_177c_b30b_0f75_5eb7_d6e9_5542_ad5f
6	b044_dcf9_dbc8_c64a_2221_4028_8b0c_886f_9fc5_1444_2f91_fa33_3201_2ad8_d6c4_6e9d
7	12ef_b1cc_579e_ffb8_e4cc_6070_2acf_f34a_b748_cfe8_4fe8_8c8a_2ba3_7fe3_e4b6_367b
8	c58c_425c_6e5f_c432_9148_dc80_b8cd_4b5f_4e24_2f60_d571_ef9a_08c3_dca2_bf2b_3495
9	4c49_a430_5b79_bdb4_c56b_34ad_0911_d281_7791_ad8e_ac46_8412_a764_6647_5744_4b0a
10	9e77_eff9_5892_9fb1_2ab1_1804_de4f_8ef3_fbb8_c7c5_5a5b_2382_42ac_ece4_e0bd_8e85

Table 142A-4 Test Vector 3 values *(continued)*

Test Vector 3 - 57 x 256-bit K+S information bits Post De-interleaver Reverse-Omega (R->L)	
11	dad9_c397_3c7f_1c08_8a79_40cd_4092_688d_660e_6f2d_92ac_acfa_9b27_2c27_6d13_8b88
12	5240_f6ea_3c0c_53c4_fc97_fdbe_3966_944d_0a82_6a5f_42cf_08d1_fcaa_0e87_2c24_ed09
13	ddf7_61fc_2d99_f3bd_dd87_d65d_6e8f_4033_dc4d_0861_966e_a4ef_6e03_b359_ed0e_b152
14	714b_153b_bf20_06ab_8ec7_9d5d_d005_33fc_f24a_21a5_a7da_f90f_a3b9_81dc_204b_7834
15	fb4c_f049_51aa_5d90_7ff3_d0c1_55f9_dfe0_2b38_3d20_4381_ad6c_f7a1_3834_f8df_adab
16	ff0a_35cd_dfc4_1794_2131_2374_143c_a5eb_7608_61df_2b61_395b_404b_f79f_78bf_908c
17	9f1d_781e_600c_0c45_7880_86dd_2128_6ba3_a832_ffec_5d16_200a_e564_b625_6b12_940a
18	30e6_8ddf_ced7_062a_4d28_a89e_a666_28fe_dccd_fd0d_c667_1d1b_64ec_8475_5961_3ad5
19	13ec_f751_cc7b_44a6_c1ca_2f4a_d9d9_1703_708c_8646_f27f_62c7_1a7e_a699_5979_8e33
20	c610_e2d5_1a56_4f85_7570_7690_1bd7_d4e9_8763_3165_2174_0cda_046a_35f7_ed92_f3e6
21	6969_fec5_b26a_094f_f479_8452_27f7_7851_27a3_c347_d3a2_1cb2_dd17_22d8_67f6_aedf
22	7a78_ecdc_b84f_9c12_7ccf_b05d_a39a_92f0_4880_4ed7_f1c3_3087_a20f_cb3b_4112_a9b5
23	0b97_e535_fe16_f9fb_5dfe_bc02_55c8_9a2a_bb98_346c_f860_5e3f_0e20_366c_c5dc_be71
24	4f9a_ea1f_8683_b764_e669_e290_0a34_e2aa_f809_0122_77dd_9d07_6cc6_cf97_d079_8582
25	51b9_5b5f_cd21_80ee_947b_93f6_a4a6_605f_9444_91c2_69ee_5a37_f702_d4bb_bb86_6031
26	b7a9_63a5_6b07_8503_65b1_8135_c292_44f4_52e1_e74d_299f_defe_f93a_90b5_81d6_7352
27	9867_fffa_f79c_823c_16cf_2490_b722_f4a8_22df_108c_ac44_052b_6096_bdc9_d1ca_3cac
28	57df_22db_6d7c_d606_0a8c_cdb7_1229_30c8_3f8b_6e77_c0cb_fbd4_b845_b411_70a4_bceb
29	0c70_d037_283b_e388_b047_66b6_17a6_c7b4_5567_17ee_d11c_5c83_a110_41b7_147b_addc
30	ce25_e4f5_bc9d_49f7_b582_4768_01ac_db36_d4f9_4c49_6522_3b37_04ae_d5f2_45ba_f376
31	3184_6193_794d_8d2a_7bfe_0ed7_699d_e1be_1fd6_4520_279b_5f4e_d37d_7149_771e_5742
32	8089_d323_aa17_893b_b48a_f28e_33ce_94eb_4ca3_42fd_cd7c_4187_473d_28a9_3928_0fc1
33	8089_d323_aa17_893b_b48a_f28e_33ce_94eb_4ca3_42fd_cd7c_4187_473d_28a9_3928_0fc1
34	4ef0_2aef_4c86_8f11_094c_827e_1ce2_2270_23a3_7b7d_30d9_6b37_78e8_5b8c_07fb_8f95
35	108e_6545_25d1_6741_dc21_ad13_4446_699c_edf0_26af_057f_1fd3_a6f1_3f3f_4de7_d8a9
36	9764_337a_eedd_a30c_6f58_7517_cf06_2522_7d41_c5d4_52a3_fd21_6c63_83e2_02d3_14d7
37	b743_ddd3_07cf_34a8_3d19_466c_662d_8fdc_2ac3_0598_8f1c_95b7_8223_76d8_852e_12c8
38	a164_bba0_1311_8e73_d5ac_cee9_a1d9_860f_3dd3_b7e8_e081_def3_da2c_0131_e14a_8306
39	6784_54ce_9b8d_1dce_5815_0e43_5021_75ee_7b55_06b7_2b9d_67eb_0067_cf41_2323_fa1d
40	3757_509b_c147_7f6e_53e4_9bc1_17eb_7f83_2b6f_0217_ef64_5888_1329_dbf7_d717_8978
41	1640_4b9e_70cc_4c24_a95e_13da_214f_81b6_56f4_35c4_ccb7_4dd4_1ef3_aaf6_ab5c_b92d
42	8d95_372f_8fc6_2c07_7932_f9f1_77ff_b719_4be7_d299_e344_50b7_a398_a635_0e3c_e805
43	de28_6b6a_bc86_bf5c_c64c_aaaa_1286_ba76_e38d_f20a_4a24_406f_c7a5_4a05_dab4_4365
44	3e4d_ff2d_3e39_e78c_a933_dc6d_0fa4_c7f5_0e5b_8eb9_4434_e95d_feb0_62e7_06a5_f8d4
45	8a02_b5db_5b51_3cdf_34a9_bc2f_044c_14e9_4af0_7606_d709_2874_6fe4_ce06_da65_df5b
46	30cd_9714_f799_fe16_5e93_d47c_302d_64fb_4a88_856e_bb37_ac8e_48d8_b461_7fa6_cf74
47	fa22_376e_0e66_d8b7_9f83_f31b_c031_990e_d63b_c08a_be95_b869_2604_d658_fbd2_4d55
48	b2c3_99af_3402_b24a_b262_d473_0139_22dc_aafb_f939_5285_f1bc_ee6d_d309_ca74_e0cb

Table 142A-4 Test Vector 3 values *(continued)*

Test Vector 3 - 57 x 256-bit K+S information bits Post De-interleaver Reverse-Omega (R->L)	
49	2a8a_af01_5552_08f4_cbb4_3940_7fe4_85c6_94d9_7ebd_330c_0465_01cb_201c_3a70_478b
50	d282_9539_7f66_03a2_1d18_bc33_31b7_de09_32a1_d9d7_64bd_cbd0_caac_048c_efaa_e737
51	83f0_4604_bbd6_dddc_184d_aed7_beb7_e61a_babd_bbcc_2c90_f352_a0ce_f33f_882c_9157
52	2cc8_39b9_8d11_46d4_7623_392f_7ff6_ee7b_acde_6f10_5aa4_3bbe_e03d_2bb8_1794_96f4
53	72a5_6acf_1a13_8aec_a28e_234f_b1ab_a339_cd66_5990_4352_271c_a087_0915_6fda_e22c
54	d70b_2b9a_6e8f_a847_6127_c09a_7607_92b2_aefc_c3fb_88dc_f2d7_3d14_4c8b_5d43_d571
55	5c4d_b66b_41f6_90e9_f7a8_d7bc_701a_0f06_ca01_2b09_8b4e_8898_6dee_512c_f0cc_fcea
56	0001_0000_2000_0800_4002_2400_400a_2000_0090_0880_0010_0081_0100_100a_0b80_0400

The values for Test Vector 4 are shown in Table 142A-5.

Table 142A-5 Test Vector 4 values

Test Vector 4 - 10 x 256-bit M parity bits Pre Interleaver Omega (L->R)	
Word	bit 255 <---------- bit 0
0	443c_0860_0754_1779_9660_d753_3f28_54f3_4d32_acc6_a03c_1ab2_781c_2eb8_4d39_d05a
1	ec2a_f59d_704e_b4a9_497b_ae97_114e_31bb_98e3_7b65_8449_60d2_26bf_73e0_241d_16e0
2	98d9_741a_f38a_bee8_0fbf_d855_31ac_e969_c226_20ca_abe4_2e70_227f_5ce7_d678_c1b0
3	bc93_6ff2_d4eb_695a_eb7b_8ddb_824f_4d49_cec9_8169_8ca8_c747_7f65_7161_507b_978d
4	9069_0c4d_156f_0555_7439_dbca_98b5_3d58_5559_fd6a_8f49_eb50_3488_4d7c_94fd_3236
5	63b7_c933_f39a_8ba6_e21e_20b7_e175_9527_3b8f_717b_6e69_368e_1e95_7976_042e_85ac
6	92fe_45a2_9cbe_717e_079d_9ca8_521a_de56_2483_9b17_087a_2ef6_966b_4adb_a270_f73c
7	deaa_ac5e_692b_5341_7366_eaa6_7faa_bf96_a70f_24a9_9065_eafe_a4b7_3d7f_7dce_72a1
8	d994_b1e7_18ef_95f9_e1d2_5c18_f8ed_1527_b0ec_f62b_47cd_bfb4_203b_d84b_1a2c_8846
9	b13d_686c_5f8c_06c6_3473_e74d_155c_cf13_2bd1_eb23_a5c2_f556_867f_b543_a39c_7bfb

The values for Test Vector 5 are shown in Table 142A-6.

Table 142A-6 Test Vector 5 values

Test Vector 5 - 10 x 256-bit M parity bits Pre Interleaver Omega (L->R)	
Word	bit 255 <---------- bit 0
0	1d6f_4bd2_95f4_2b05_4a94_3077_6500_20f8_3cb1_a080_c623_23aa_6adb_d010_676f_bf02
1	85a4_d43c_bdc1_a360_a3d1_f170_09e2_8505_956c_6276_15fd_78b4_92a5_7ecd_657e_d786

Table 142A-6 Test Vector 5 values *(continued)*

Test Vector 5 - 10 x 256-bit M parity bits Pre Interleaver Omega (L->R)	
2	1c21_6a4d_d7f7_f5ca_0845_e7e6_53c4_0006_70f3_e83e_1d8a_d3f1_f319_e862_a973_357e
3	5ff1_74d0_64ca_e327_0ff1_cc8e_e566_886e_9b95_e9b8_67e9_d87d_60bb_3781_6f53_aba5
4	3848_c39e_dc49_e7da_0d86_ea55_a109_d9c7_eb96_656d_a512_e2b2_ae87_54ec_1ac4_873c
5	fa0a_dc83_e969_e091_fe21_783f_9d80_f4ad_738b_9889_5fa2_4dd2_986d_03e9_d4a7_dff9
6	f2ef_c4ff_67f7_b964_1476_c1b1_d91a_83ee_0c4a_fcae_6b53_d82b_c3a2_4749_bf00_04c1
7	ce33_f657_b380_4973_76ed_716b_8295_7d3f_7cd7_6bc0_57fa_bd87_7449_9751_3457_6f5b
8	49dd_401b_734e_5534_1cfc_bfa3_f8a4_b971_5b7e_ac7d_7671_895c_4a57_690e_5898_0cf2
9	091d_043f_ba96_6223_eebe_c9f5_19e9_34e2_b670_d74a_eeff_dc64_2bb4_4333_77ff_6460