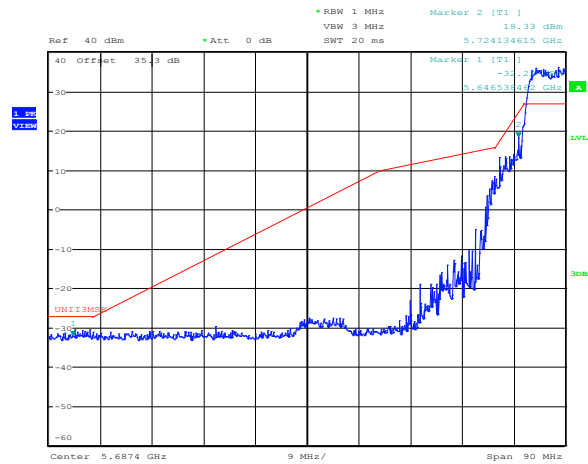


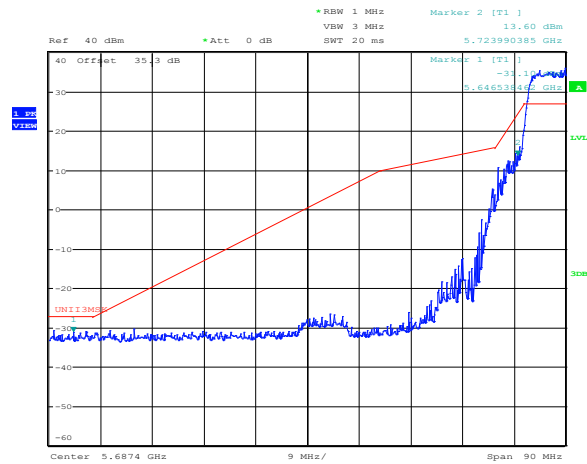
Section 8
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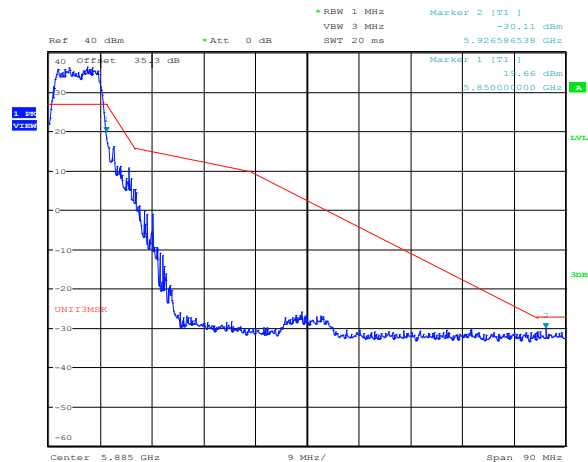
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Figure 8.4-173: Lower mask, 10 MHz channel, 32 dBi antenna, cho, PMP application



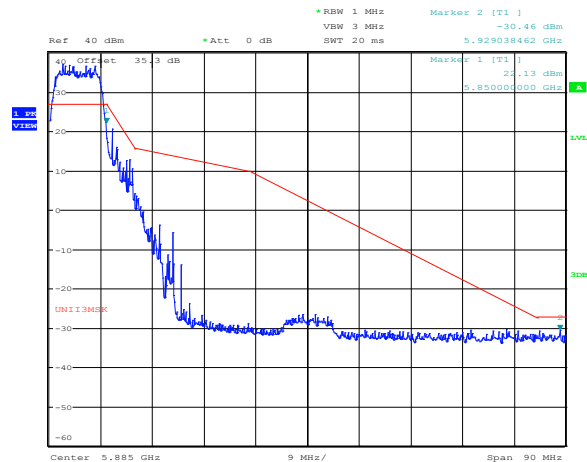
Date: 16.NOV.2016 16:33:47

Figure 8.4-174: Lower mask, 10 MHz channel, 32 dBi antenna, ch1, PMP application



Date: 16.NOV.2016 16:23:58

Figure 8.4-175: Upper mask, 10 MHz channel, 32 dBi antenna, cho, PMP application

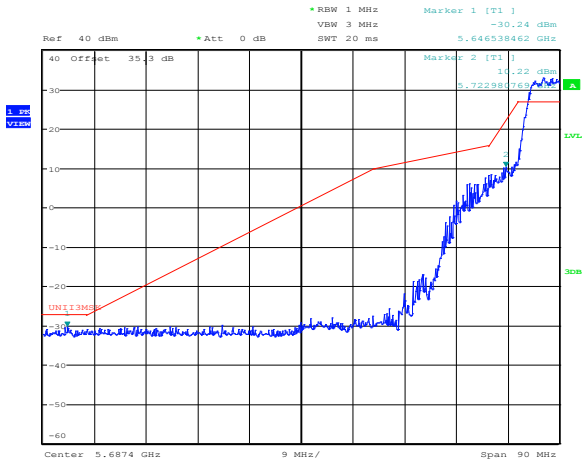


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Figure 8.4-176: Upper mask, 10 MHz channel, 32 dBi antenna, ch1, PMP application

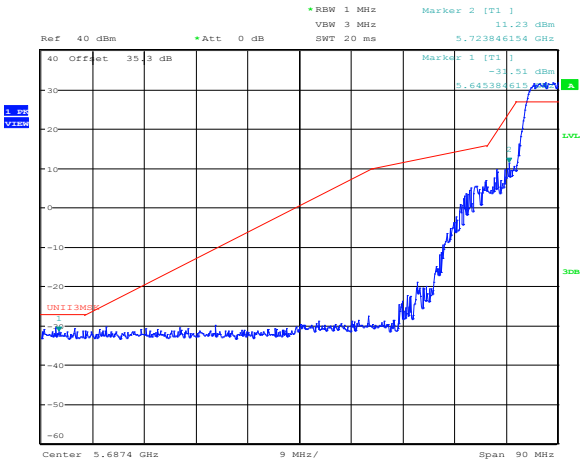
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Specification

Testing data
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FCC Part 15 Subpart E and RSS-247 Issue 1



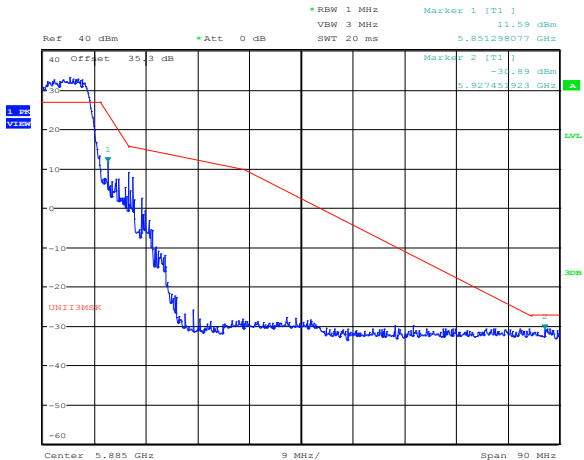
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Figure 8.4-177: Lower mask, 20 MHz channel, 32 dBi antenna, cho, PMP application



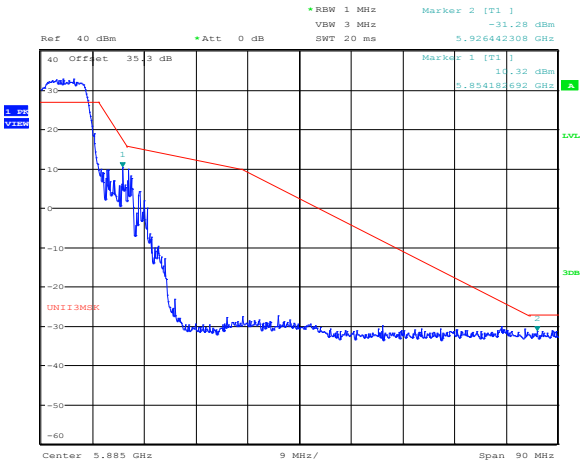
Date: 16.NOV.2016 16:31:17

Figure 8.4-178: Lower mask, 20 MHz channel, 32 dBi antenna, ch1, PMP application



Date: 16.NOV.2016 16:24:53

Figure 8.4-179: Upper mask, 20 MHz channel, 32 dBi antenna, cho, PMP application

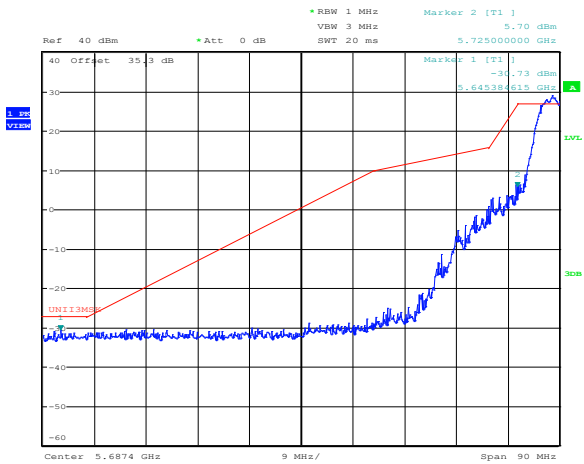


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Figure 8.4-180: Upper mask, 20 MHz channel, 32 dBi antenna, ch1, PMP application

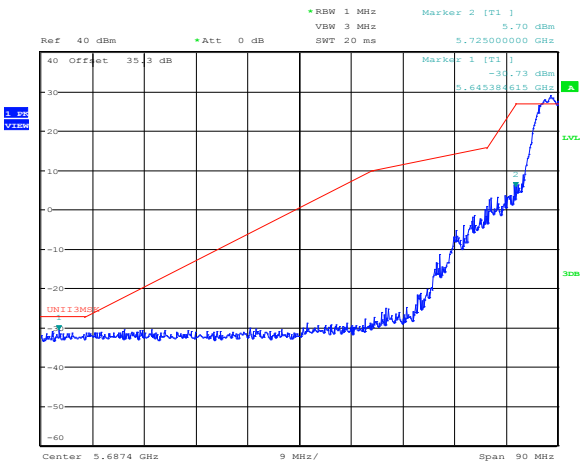
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Testing data
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FCC Part 15 Subpart E and RSS-247 Issue 1



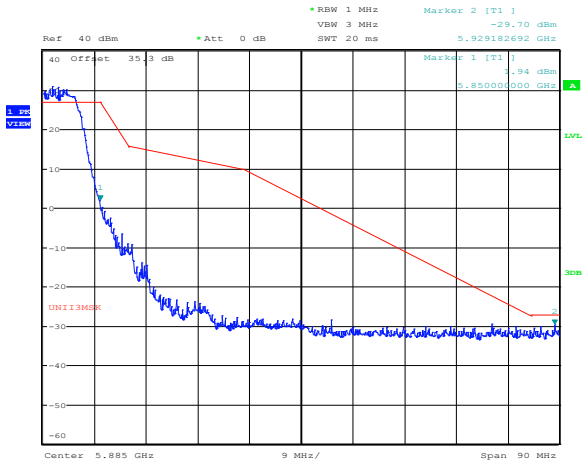
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Figure 8.4-181: Lower mask, 40 MHz channel, 32 dBi antenna, cho, PMP application



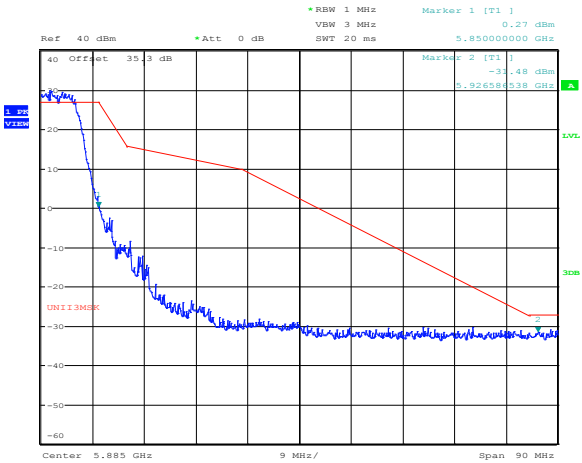
Date: 16.NOV.2016 16:30:12

Figure 8.4-182: Lower mask, 40 MHz channel, 32 dBi antenna, ch1, PMP application



Date: 16.NOV.2016 16:27:27

Figure 8.4-183: Upper mask, 40 MHz channel, 32 dBi antenna, cho, PMP application

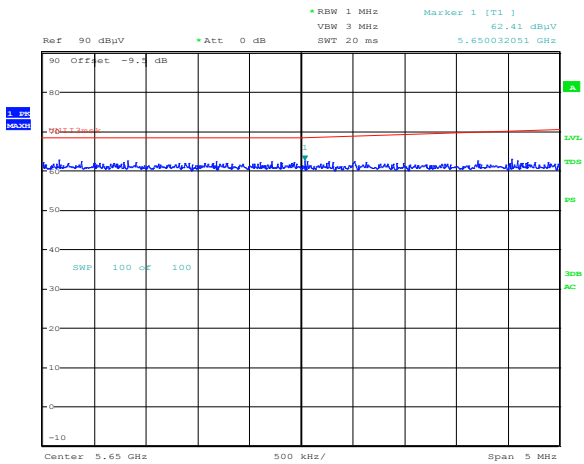


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Figure 8.4-184: Upper mask, 40 MHz channel, 32 dBi antenna, ch1, PMP application

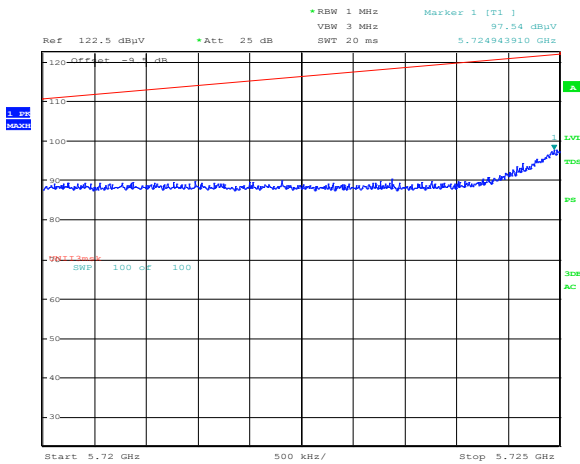
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FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
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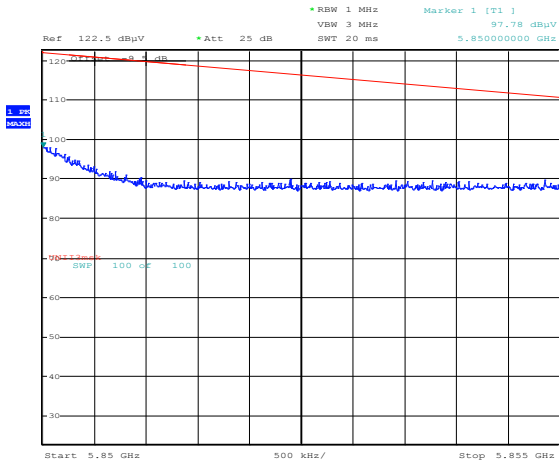
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Figure 8.4-185: Radiated lower band edge at 5650 MHz, 10 MHz channel, 32 dBi antenna, PMP application



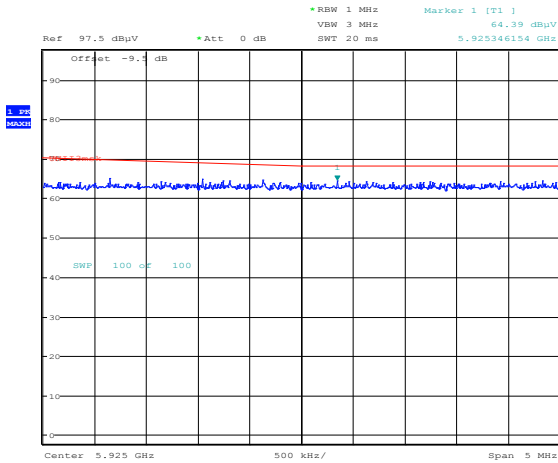
Date: 16.NOV.2016 15:27:51

Figure 8.4-186: Radiated lower band edge at 5725 MHz, 10 MHz channel, 32 dBi antenna, PMP application



Date: 16.NOV.2016 15:36:14

Figure 8.4-187: Radiated upper band edge at 5850 MHz, 10 MHz channel, 32 dBi antenna, PMP application

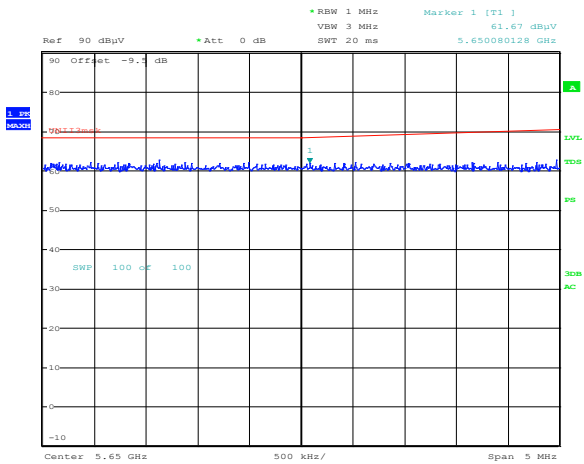


Date: 16.NOV.2016 15:36:41

Figure 8.4-188: Radiated upper band edge at 5925 MHz, 10 MHz channel, 32 dBi antenna, PMP application

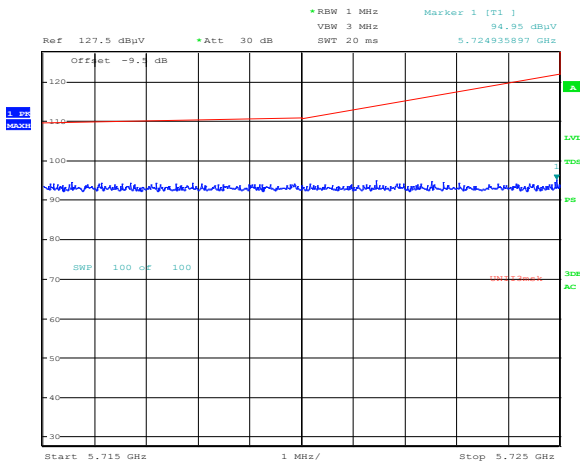
Section 8
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Testing data
FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
FCC Part 15 Subpart E and RSS-247 Issue 1



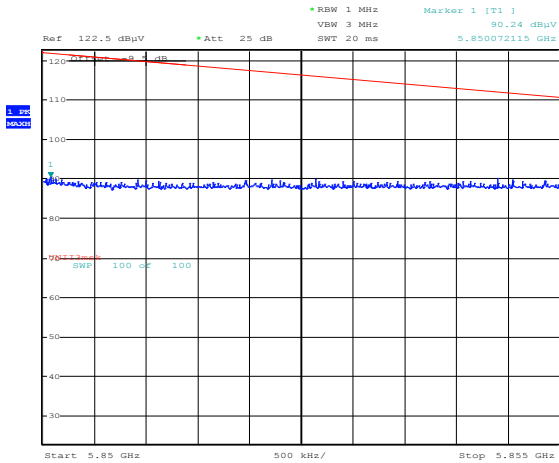
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Figure 8.4-189: Radiated lower band edge at 5650 MHz, 20 MHz channel, 32 dBi antenna, PMP application



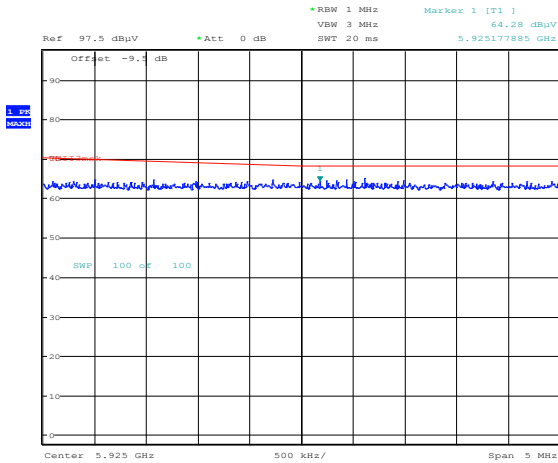
Date: 16.NOV.2016 15:30:56

Figure 8.4-190: Radiated lower band edge at 5725 MHz, 20 MHz channel, 32 dBi antenna, PMP application



Date: 16.NOV.2016 15:35:25

Figure 8.4-191: Radiated upper band edge at 5850 MHz, 20 MHz channel, 32 dBi antenna, PMP application

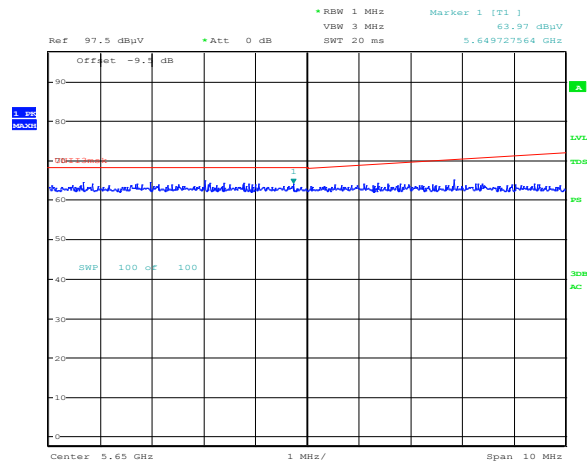


Date: 16.NOV.2016 15:37:28

Figure 8.4-192: Radiated upper band edge at 5925 MHz, 20 MHz channel, 32 dBi antenna, PMP application

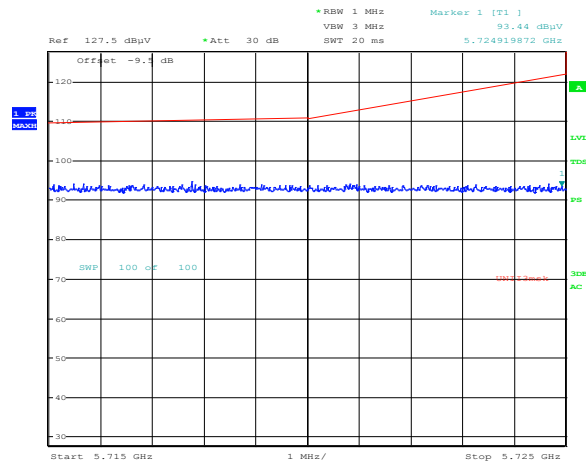
Section 8
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Specification

Testing data
 FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
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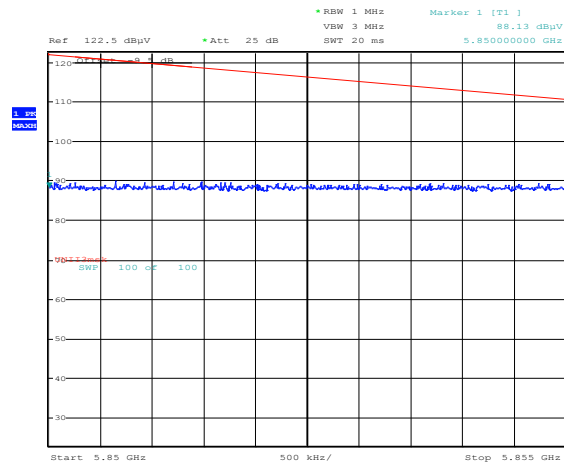
Date: 16.NOV.2016 15:32:17

Figure 8.4-193: Radiated lower band edge at 5650 MHz, 40 MHz channel, 32 dBi antenna, PMP application



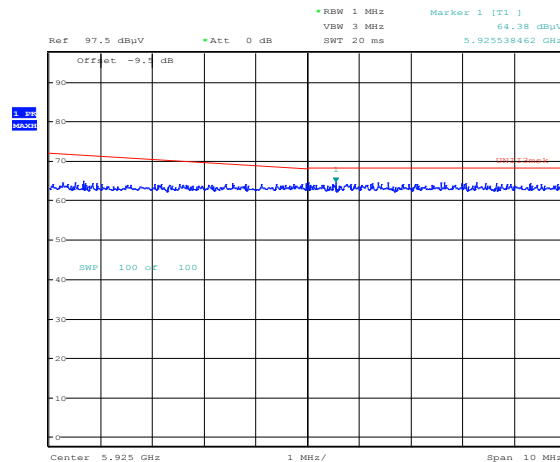
Date: 16.NOV.2016 15:31:51

Figure 8.4-194: Radiated lower band edge at 5725 MHz, 40 MHz channel, 32 dBi antenna, PMP application



Date: 16.NOV.2016 15:34:24

Figure 8.4-195: Radiated upper band edge at 5850 MHz, 40 MHz channel, 32 dBi antenna, PMP application



Date: 16.NOV.2016 15:33:39

Figure 8.4-196: Radiated upper band edge at 5925 MHz, 40 MHz channel, 32 dBi antenna, PMP application

Table 8.4-4: Radiated field strength measurement results within restricted bands for FCC PMP and PTP 10 dBi antenna

Channel bandwidth	Frequency, GHz	Peak Field strength, dBμV/m	Peak limit, dBμV/m	Peak margin, dB	Average Field strength, dBμV/m	Average limit, dBμV/m	Average margin, dB
Low, 10 MHz	11460	57.00	74.00	17.00	38.60	54.00	15.40
Mid, 10 MHz	11580	55.55	74.00	18.45	36.54	54.00	17.46
High, 10 MHz	11690	60.50	74.00	13.50	40.36	54.00	13.64
Low, 20 MHz	11470	54.10	74.00	19.90	33.43	54.00	20.57
Mid, 20 MHz	11580	52.60	74.00	21.40	34.38	54.00	19.62
High, 20 MHz	11680	53.41	74.00	20.59	34.92	54.00	19.08
Low, 40 MHz	11490	52.85	74.00	21.15	34.45	54.00	19.55
Mid, 40 MHz	11580	52.32	74.00	21.68	32.52	54.00	21.48
High, 40 MHz	11660	51.69	74.00	22.31	32.32	54.00	21.68

Notes: Field strength includes correction factor of antenna, cable loss, amplifier, and attenuators where applicable.

Table 8.4-5: Radiated field strength measurement results within restricted bands for FCC PTP 24 dBi antenna

Channel bandwidth	Frequency, GHz	Peak Field strength, dBμV/m	Peak limit, dBμV/m	Peak margin, dB	Average Field strength, dBμV/m	Average limit, dBμV/m	Average margin, dB
Low, 10 MHz	11460	62.02	74.00	11.98	43.62	54.00	10.38
Mid, 10 MHz	11580	61.10	74.00	12.90	42.09	54.00	11.91
High, 10 MHz	11690	67.81	74.00	6.19	47.67	54.00	6.33
Low, 20 MHz	11470	61.91	74.00	12.09	41.24	54.00	12.76
Mid, 20 MHz	11580	59.66	74.00	14.34	41.44	54.00	12.56
High, 20 MHz	11680	61.20	74.00	12.80	42.71	54.00	11.29
Low, 40 MHz	11490	61.59	74.00	12.41	43.19	54.00	10.81
Mid, 40 MHz	11580	57.85	74.00	16.15	38.05	54.00	15.95
High, 40 MHz	11660	57.45	74.00	16.55	38.08	54.00	15.92

Notes: Field strength includes correction factor of antenna, cable loss, amplifier, and attenuators where applicable.

Table 8.4-6: Radiated field strength measurement results within restricted bands for FCC PTP 32 dBi antenna

Channel bandwidth	Frequency, GHz	Peak Field strength, dBμV/m	Peak limit, dBμV/m	Peak margin, dB	Average Field strength, dBμV/m	Average limit, dBμV/m	Average margin, dB
Low, 10 MHz	11460	68.04	74.00	5.96	49.64	54.00	4.36
Mid, 10 MHz	11580	69.98	74.00	4.02	50.97	54.00	3.03
High, 10 MHz	11690	72.92	74.00	1.08	52.78	54.00	1.22
Low, 20 MHz	11470	70.51	74.00	3.49	49.84	54.00	4.16
Mid, 20 MHz	11580	65.34	74.00	8.66	47.12	54.00	6.88
High, 20 MHz	11680	69.26	74.00	4.74	50.77	54.00	3.23
Low, 40 MHz	11490	68.37	74.00	5.63	49.97	54.00	4.03
Mid, 40 MHz	11580	66.59	74.00	7.41	46.79	54.00	7.21
High, 40 MHz	11660	62.60	74.00	11.40	43.23	54.00	10.77

Notes: Field strength includes correction factor of antenna, cable loss, amplifier, and attenuators where applicable.

Table 8.4-7: Radiated field strength measurement results within restricted bands for ISSED PMP and PTP 10 dBi antenna

Channel bandwidth	Frequency, GHz	Peak Field strength, dBμV/m	Peak limit, dBμV/m	Peak margin, dB	Average Field strength, dBμV/m	Average limit, dBμV/m	Average margin, dB
Low, 10 MHz	11460	51.35	74.00	22.65	35.97	54.00	18.03
Mid, 10 MHz	11580	55.55	74.00	18.45	36.54	54.00	17.46
High, 10 MHz	11690	60.50	74.00	13.50	40.36	54.00	13.64
Low, 20 MHz	11470	48.67	74.00	25.33	30.80	54.00	23.20
Mid, 20 MHz	11580	52.60	74.00	21.40	34.38	54.00	19.62
High, 20 MHz	11680	53.41	74.00	20.59	34.92	54.00	19.08
Low, 40 MHz	11490	47.08	74.00	26.92	32.33	54.00	21.67
Mid, 40 MHz	11580	52.32	74.00	21.68	32.52	54.00	21.48
High, 40 MHz	11660	51.69	74.00	22.31	32.32	54.00	21.68

Notes: Field strength includes correction factor of antenna, cable loss, amplifier, and attenuators where applicable.

Table 8.4-8: Radiated field strength measurement results within restricted bands for ISSED PTP 24 dBi antenna

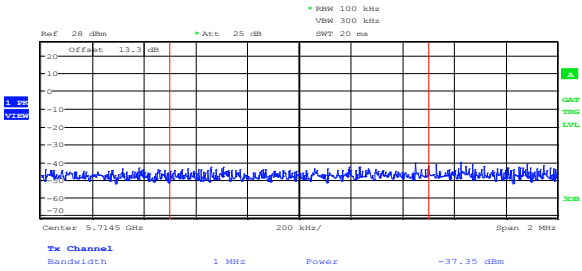
Channel bandwidth	Frequency, GHz	Peak Field strength, dBμV/m	Peak limit, dBμV/m	Peak margin, dB	Average Field strength, dBμV/m	Average limit, dBμV/m	Average margin, dB
Low, 10 MHz	11460	51.08	74.00	22.92	31.29	54.00	22.71
Mid, 10 MHz	11580	61.10	74.00	12.90	42.09	54.00	11.91
High, 10 MHz	11690	51.78	74.00	22.22	31.75	54.00	22.25
Low, 20 MHz	11470	45.97	74.00	28.03	25.15	54.00	28.85
Mid, 20 MHz	11580	59.66	74.00	14.34	41.44	54.00	12.56
High, 20 MHz	11680	46.69	74.00	27.31	28.96	54.00	25.04
Low, 40 MHz	11490	44.95	74.00	29.05	27.99	54.00	26.01
Mid, 40 MHz	11580	57.85	74.00	16.15	38.05	54.00	15.95
High, 40 MHz	11660	44.08	74.00	29.92	24.71	54.00	29.29

Notes: Field strength includes correction factor of antenna, cable loss, amplifier, and attenuators where applicable.

Table 8.4-9: Radiated field strength measurement results within restricted bands for ISSED PTP 32 dBi antenna

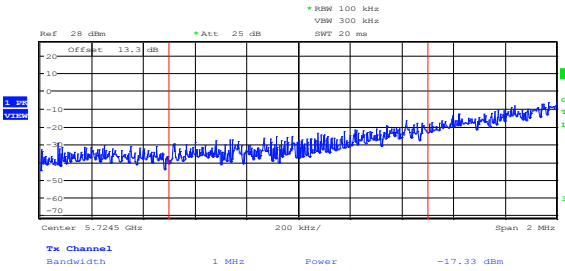
Channel bandwidth	Frequency, GHz	Peak Field strength, dBμV/m	Peak limit, dBμV/m	Peak margin, dB	Average Field strength, dBμV/m	Average limit, dBμV/m	Average margin, dB
Low, 10 MHz	11460	56.98	74.00	17.02	34.99	54.00	19.01
Mid, 10 MHz	11580	69.98	74.00	4.02	50.97	54.00	3.03
High, 10 MHz	11690	62.77	74.00	11.23	40.67	54.00	13.33
Low, 20 MHz	11470	56.49	74.00	17.51	34.07	54.00	19.93
Mid, 20 MHz	11580	65.34	74.00	8.66	47.12	54.00	6.88
High, 20 MHz	11680	55.70	74.00	18.30	34.23	54.00	19.77
Low, 40 MHz	11490	54.60	74.00	19.40	36.57	54.00	17.43
Mid, 40 MHz	11580	66.59	74.00	7.41	46.79	54.00	7.21
High, 40 MHz	11660	48.80	74.00	25.20	30.11	54.00	23.89

Notes: Field strength includes correction factor of antenna, cable loss, amplifier, and attenuators where applicable.



Date: 20.NOV.2016 21:04:15

Figure 8.4-197: Lower ISED band edge at 5715 MHz, 10 MHz channel, 10 dBi antenna, cho, PMP application

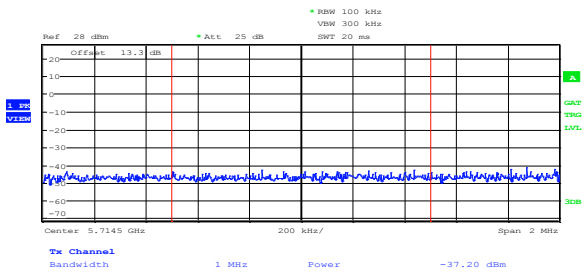


Date: 20.NOV.2016 21:03:37

Figure 8.4-198: Lower ISED band edge at 5725 MHz, 10 MHz channel, 10 dBi antenna, cho, PMP application

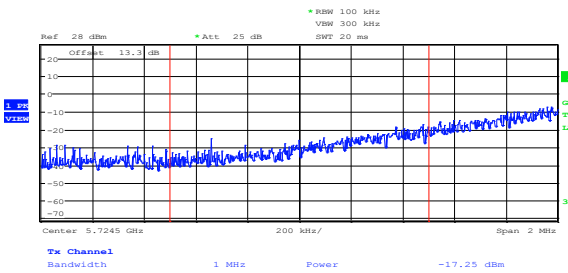
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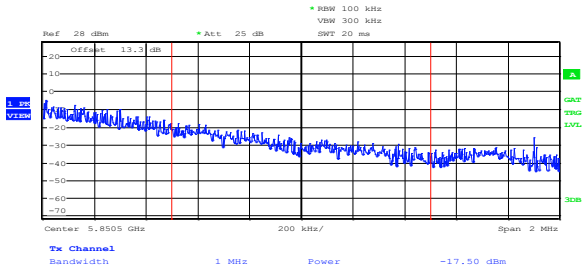
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Figure 8.4-199: Lower ISD band edge at 5715 MHz, 10 MHz channel, 10 dBi antenna, ch1, PMP application



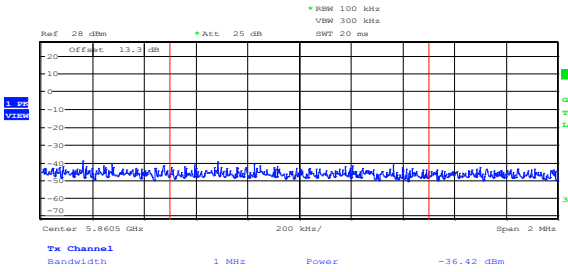
Date: 20.NOV.2016 19:39:23

Figure 8.4-200: Lower ISD band edge at 5725 MHz, 10 MHz channel, 10 dBi antenna, ch1, PMP application



Date: 20.NOV.2016 21:09:37

Figure 8.4-201: Upper ISD band edge at 5850 MHz, 10 MHz channel, 10 dBi antenna, cho, PMP application

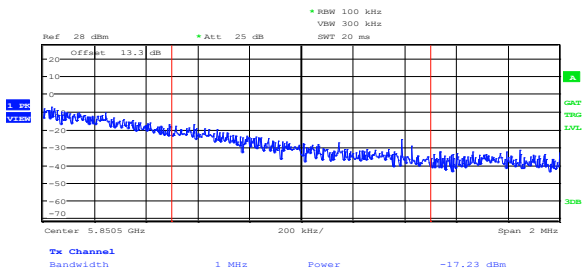


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Figure 8.4-202: Upper ISD band edge at 5860 MHz, 10 MHz channel, 10 dBi antenna, cho, PMP application

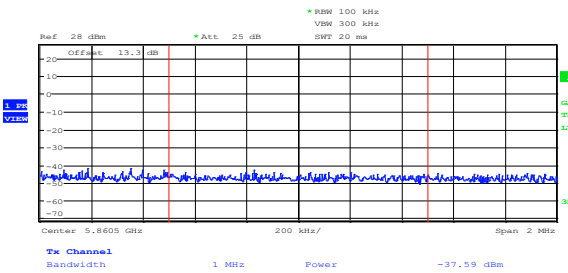
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Specification

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FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
FCC Part 15 Subpart E and RSS-247 Issue 1



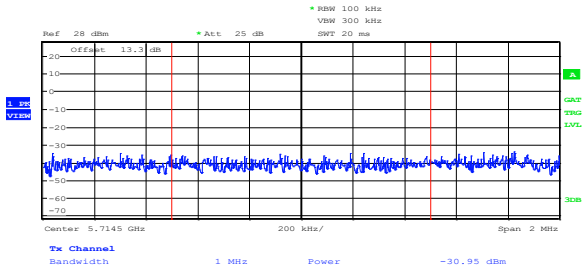
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Figure 8.4-203: Upper ISED band edge at 5850 MHz, 10 MHz channel, 10 dBi antenna, ch1, PMP application



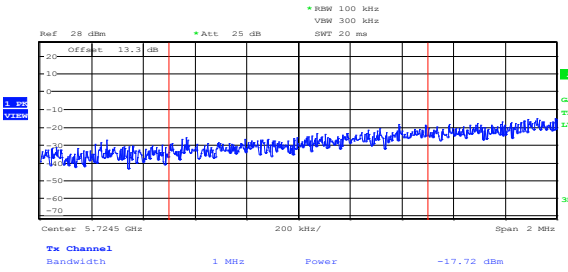
Date: 20.NOV.2016 19:44:52

Figure 8.4-204: Upper ISED band edge at 5860 MHz, 10 MHz channel, 10 dBi antenna, ch1, PMP application



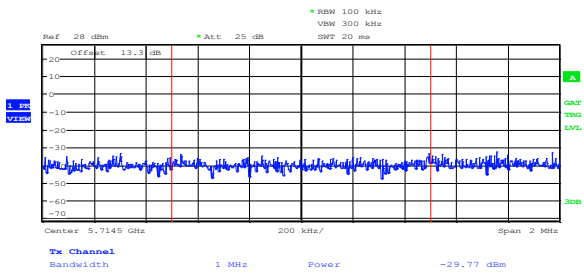
Date: 20.NOV.2016 20:36:05

Figure 8.4-205: Lower ISED band edge at 5715 MHz, 20 MHz channel, 10 dBi antenna, cho, PMP application



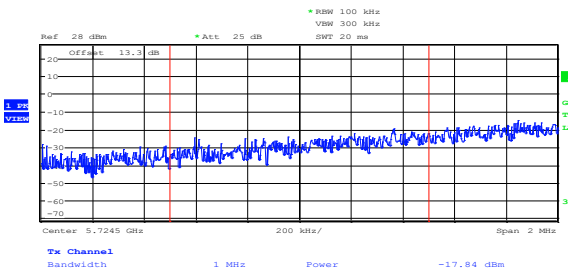
Date: 20.NOV.2016 20:36:22

Figure 8.4-206: Lower ISED band edge at 5725 MHz, 20 MHz channel, 10 dBi antenna, cho, PMP application



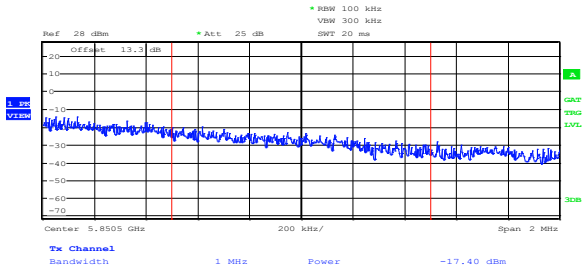
Date: 20.NOV.2016 19:51:22

Figure 8.4-207: Lower ISED band edge at 5715 MHz, 20 MHz channel, 10 dBi antenna, ch1, PMP application



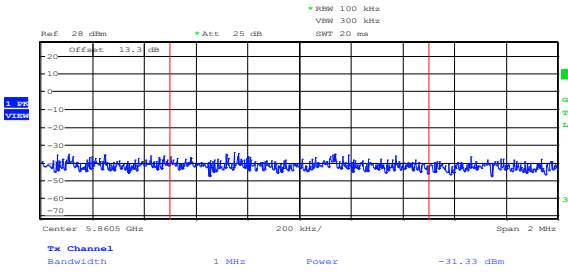
Date: 20.NOV.2016 19:50:11

Figure 8.4-208: Lower ISED band edge at 5725 MHz, 20 MHz channel, 10 dBi antenna, ch1, PMP application



Date: 20.NOV.2016 20:36:58

Figure 8.4-209: Upper ISED band edge at 5850 MHz, 20 MHz channel, 10 dBi antenna, cho, PMP application

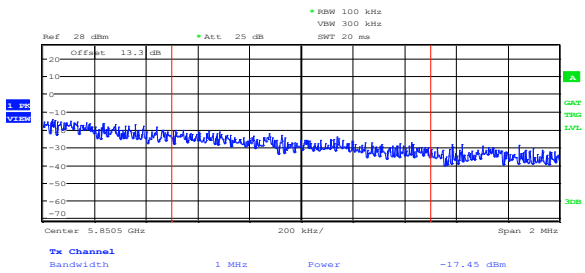


Date: 20.NOV.2016 20:37:23

Figure 8.4-210: Upper ISED band edge at 5860 MHz, 20 MHz channel, 10 dBi antenna, cho, PMP application

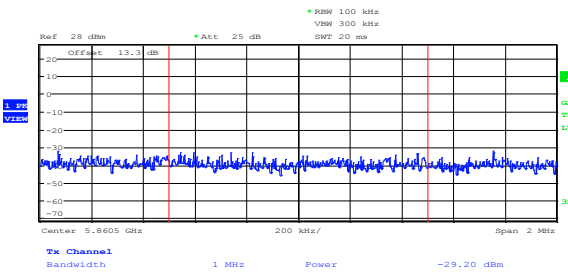
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Test name
Specification

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FCC Part 15 Subpart E and RSS-247 Issue 1



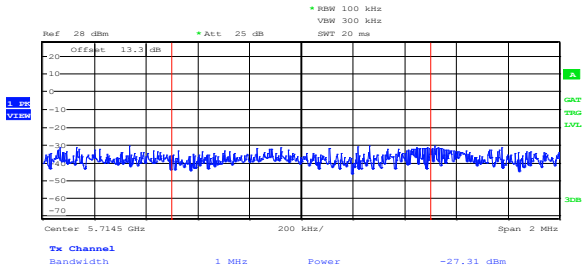
Date: 20.NOV.2016 19:47:30

Figure 8.4-211: Upper ISED band edge at 5850 MHz, 20 MHz channel, 10 dBi antenna, ch1, PMP application



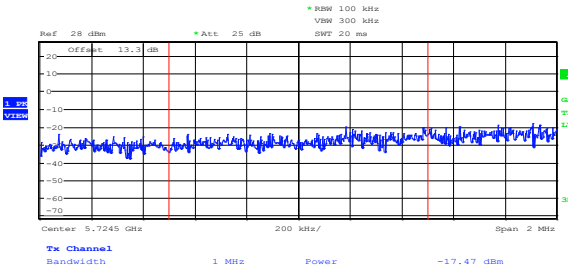
Date: 20.NOV.2016 19:47:50

Figure 8.4-212: Upper ISED band edge at 5860 MHz, 20 MHz channel, 10 dBi antenna, ch1, PMP application



Date: 20.NOV.2016 20:32:48

Figure 8.4-213: Lower ISED band edge at 5715 MHz, 40 MHz channel, 10 dBi antenna, cho, PMP application

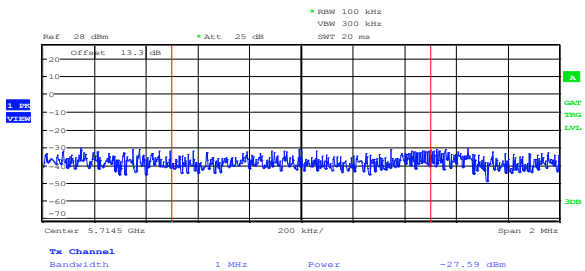


Date: 20.NOV.2016 20:32:10

Figure 8.4-214: Lower ISED band edge at 5725 MHz, 40 MHz channel, 10 dBi antenna, cho, PMP application

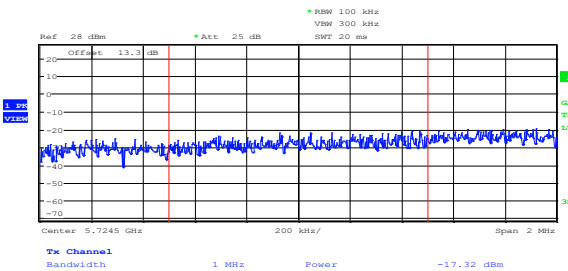
Section 8
Test name
Specification

Testing data
FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
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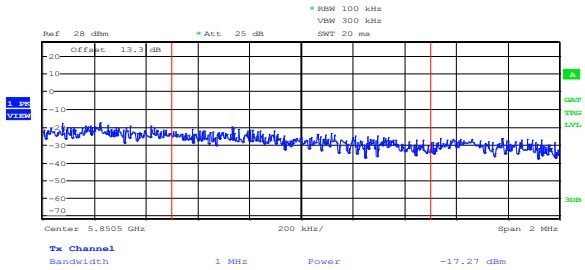
Date: 20.NOV.2016 20:05:26

Figure 8.4-215: Lower ISED band edge at 5715 MHz, 40 MHz channel, 10 dBi antenna, ch1, PMP application



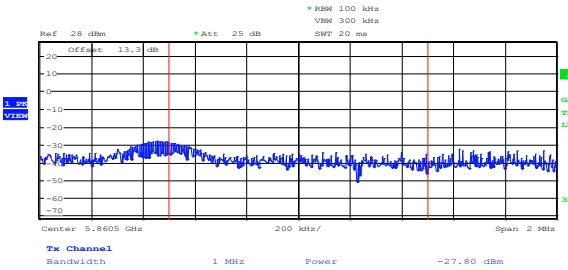
Date: 20.NOV.2016 19:52:53

Figure 8.4-216: Lower ISED band edge at 5725 MHz, 40 MHz channel, 10 dBi antenna, ch1, PMP application



Date: 20.NOV.2016 20:30:11

Figure 8.4-217: Upper ISED band edge at 5850 MHz, 40 MHz channel, 10 dBi antenna, cho, PMP application

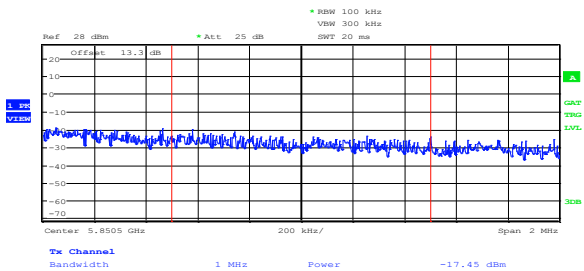


Date: 20.NOV.2016 20:31:13

Figure 8.4-218: Upper ISED band edge at 5860 MHz, 40 MHz channel, 10 dBi antenna, cho, PMP application

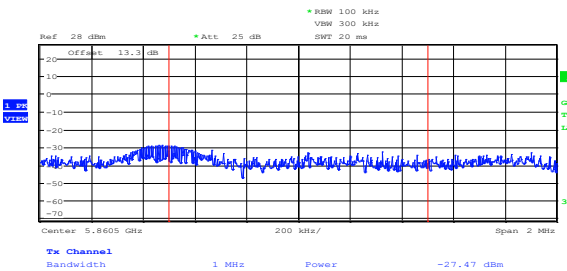
Section 8
Test name
Specification

Testing data
FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
FCC Part 15 Subpart E and RSS-247 Issue 1



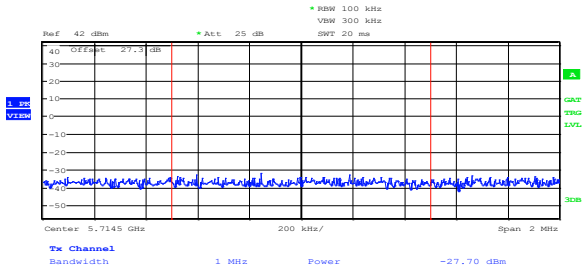
Date: 20.NOV.2016 20:06:38

Figure 8.4-219: Upper ISED band edge at 5850 MHz, 40 MHz channel, 10 dBi antenna, ch1, PMP application



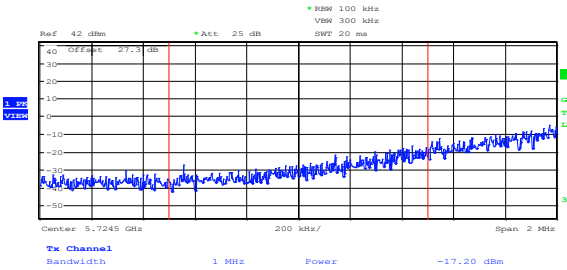
Date: 20.NOV.2016 20:07:14

Figure 8.4-220: Upper ISED band edge at 5860 MHz, 40 MHz channel, 10 dBi antenna, ch1, PMP application



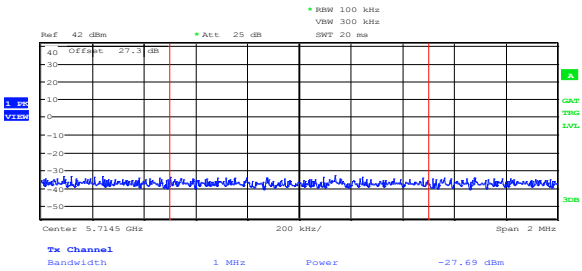
Date: 21.NOV.2016 09:59:58

Figure 8.4-221: Lower ISED band edge at 5715 MHz, 10 MHz channel, 24 dBi antenna, cho, PMP application



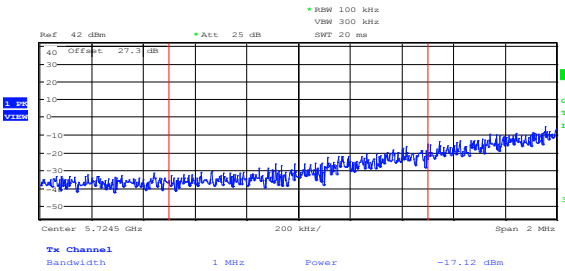
Date: 21.NOV.2016 09:59:38

Figure 8.4-222: Lower ISED band edge at 5725 MHz, 24 MHz channel, 24 dBi antenna, cho, PMP application



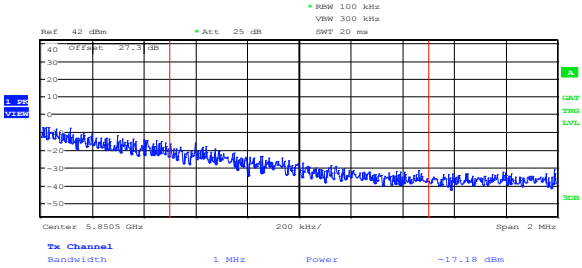
Date: 21.NOV.2016 09:56:46

Figure 8.4-223: Lower ISED band edge at 5715 MHz, 10 MHz channel, 24 dBi antenna, ch1, PMP application



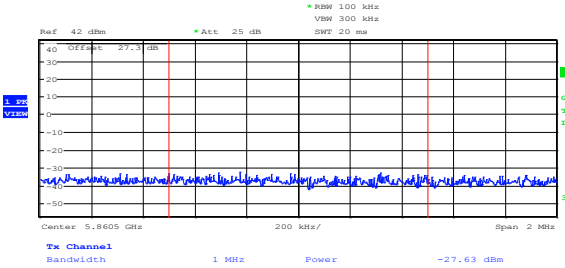
Date: 21.NOV.2016 09:56:26

Figure 8.4-224: Lower ISED band edge at 5725 MHz, 10 MHz channel, 24 dBi antenna, ch1, PMP application



Date: 21.NOV.2016 09:58:42

Figure 8.4-225: Upper ISED band edge at 5850 MHz, 10 MHz channel, 24 dBi antenna, cho, PMP application

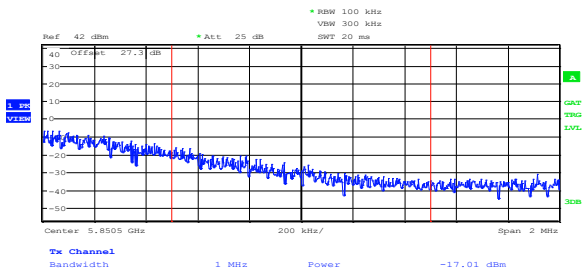


Date: 21.NOV.2016 09:59:00

Figure 8.4-226: Upper ISED band edge at 5860 MHz, 10 MHz channel, 24 dBi antenna, cho, PMP application

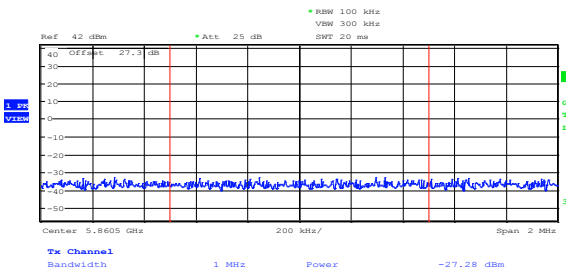
Section 8
Test name
Specification

Testing data
FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
FCC Part 15 Subpart E and RSS-247 Issue 1



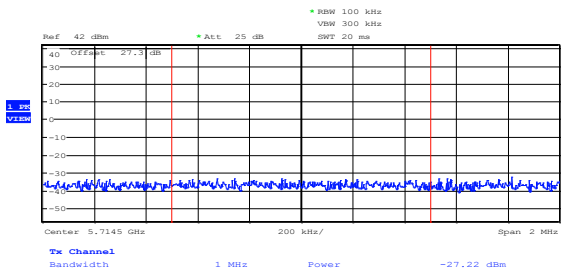
Date: 21.NOV.2016 09:57:38

Figure 8.4-227: Upper ISED band edge at 5850 MHz, 10 MHz channel, 24 dBi antenna, ch1, PMP application



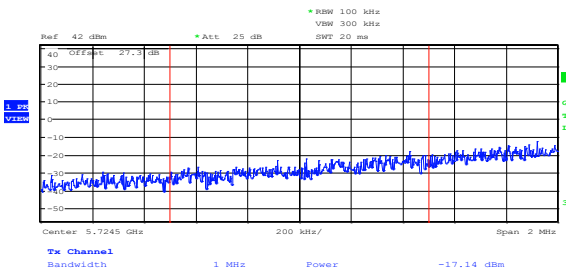
Date: 21.NOV.2016 09:58:09

Figure 8.4-228: Upper ISED band edge at 5860 MHz, 10 MHz channel, 24 dBi antenna, ch1, PMP application



Date: 21.NOV.2016 09:49:28

Figure 8.4-229: Lower ISED band edge at 5715 MHz, 20 MHz channel, 24 dBi antenna, cho, PMP application

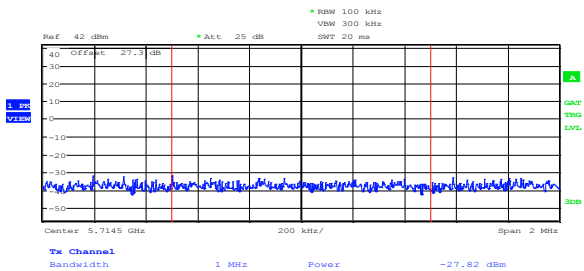


Date: 21.NOV.2016 09:49:04

Figure 8.4-230: Lower ISED band edge at 5725 MHz, 20 MHz channel, 24 dBi antenna, cho, PMP application

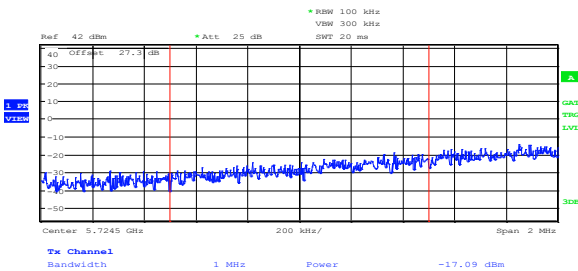
Section 8
Test name
Specification

Testing data
FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
FCC Part 15 Subpart E and RSS-247 Issue 1



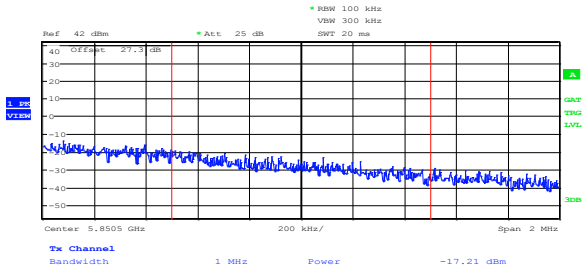
Date: 21.NOV.2016 09:53:31

Figure 8.4-231: Lower ISED band edge at 5715 MHz, 20 MHz channel, 24 dBi antenna, ch1, PMP application



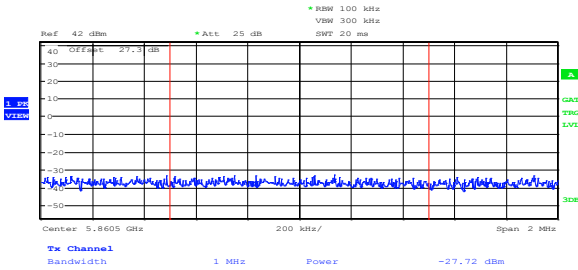
Date: 21.NOV.2016 09:53:07

Figure 8.4-232: Lower ISED band edge at 5725 MHz, 20 MHz channel, 24 dBi antenna, ch1, PMP application



Date: 21.NOV.2016 09:50:38

Figure 8.4-233: Upper ISED band edge at 5850 MHz, 20 MHz channel, 24 dBi antenna, cho, PMP application

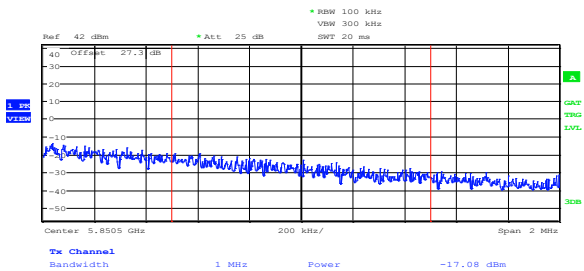


Date: 21.NOV.2016 09:51:06

Figure 8.4-234: Upper ISED band edge at 5860 MHz, 20 MHz channel, 24 dBi antenna, cho, PMP application

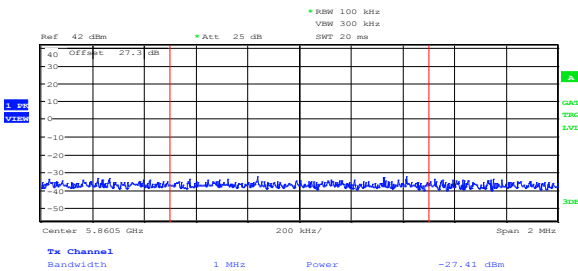
Section 8
Test name
Specification

Testing data
FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
FCC Part 15 Subpart E and RSS-247 Issue 1



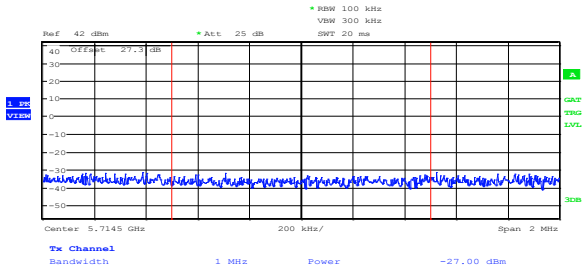
Date: 21.NOV.2016 09:52:00

Figure 8.4-235: Upper ISED band edge at 5850 MHz, 20 MHz channel, 24 dBi antenna, ch1, PMP application



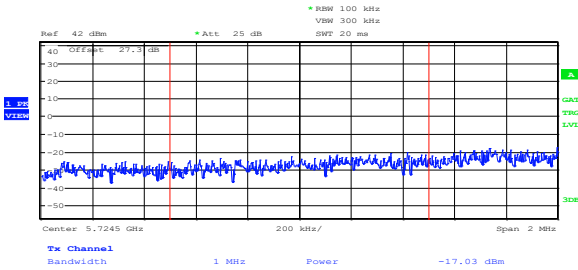
Date: 21.NOV.2016 09:52:31

Figure 8.4-236: Upper ISED band edge at 5860 MHz, 20 MHz channel, 24 dBi antenna, ch1, PMP application



Date: 21.NOV.2016 09:47:27

Figure 8.4-237: Lower ISED band edge at 5715 MHz, 40 MHz channel, 24 dBi antenna, cho, PMP application

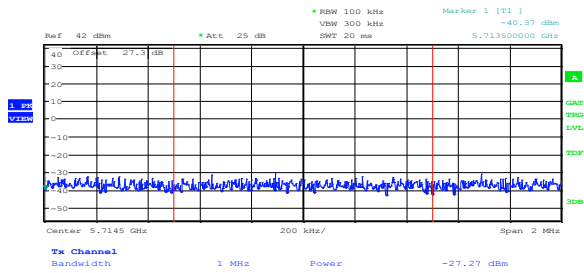


Date: 21.NOV.2016 09:46:56

Figure 8.4-238: Lower ISED band edge at 5725 MHz, 40 MHz channel, 24 dBi antenna, cho, PMP application

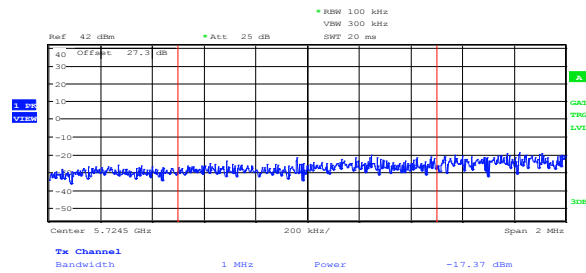
Section 8
Test name
Specification

Testing data
 FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
 FCC Part 15 Subpart E and RSS-247 Issue 1



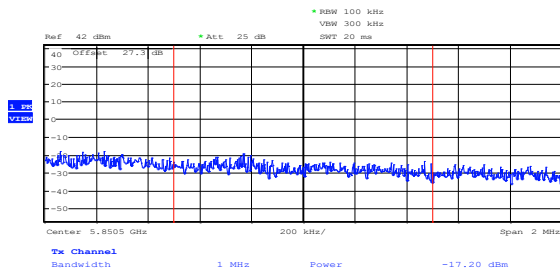
Date: 13.FEB.2017 11:51:50

Figure 8.4-239: Lower ISED band edge at 5715 MHz, 40 MHz channel, 24 dBi antenna, ch1, PMP application



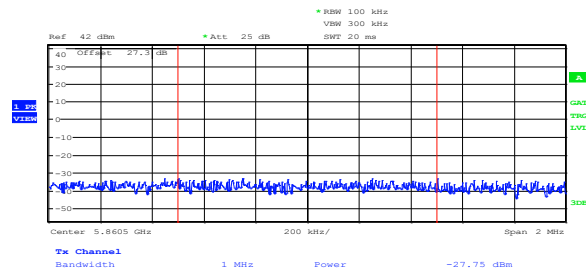
Date: 21.NOV.2016 09:39:16

Figure 8.4-240: Lower ISED band edge at 5725 MHz, 40 MHz channel, 24 dBi antenna, ch1, PMP application



Date: 21.NOV.2016 09:45:48

Figure 8.4-241: Upper ISED band edge at 5850 MHz, 40 MHz channel, 24 dBi antenna, cho, PMP application

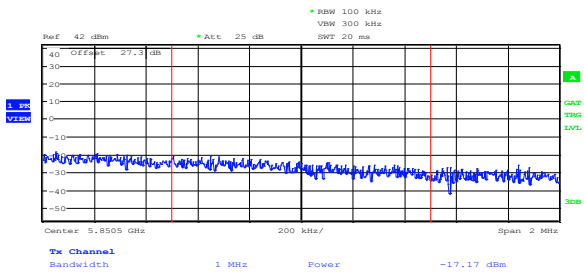


Date: 21.NOV.2016 09:46:07

Figure 8.4-242: Upper ISED band edge at 5860 MHz, 40 MHz channel, 24 dBi antenna, cho, PMP application

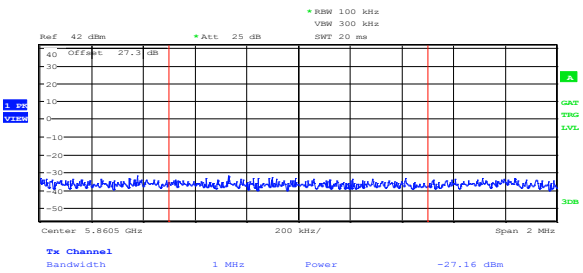
Section 8
Test name
Specification

Testing data
FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
FCC Part 15 Subpart E and RSS-247 Issue 1



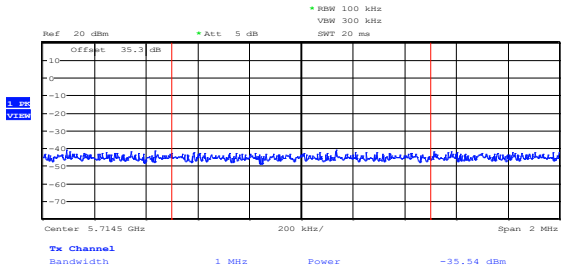
Date: 21.NOV.2016 09:44:14

Figure 8.4-243: Upper ISED band edge at 5850 MHz, 40 MHz channel, 24 dBi antenna, ch1, PMP application



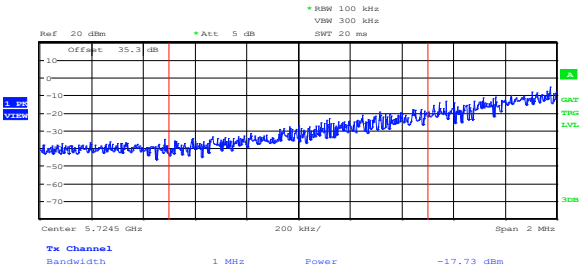
Date: 21.NOV.2016 09:44:49

Figure 8.4-244: Upper ISED band edge at 5860 MHz, 40 MHz channel, 24 dBi antenna, ch1, PMP application



Date: 21.NOV.2016 10:03:09

Figure 8.4-245: Lower ISED band edge at 5715 MHz, 10 MHz channel, 32 dBi antenna, cho, PMP application

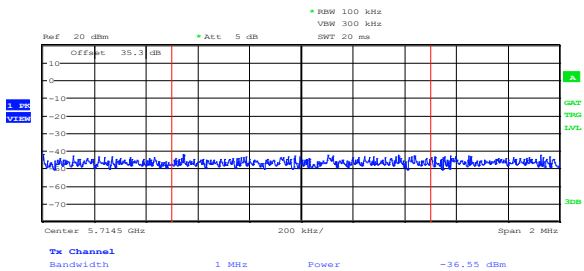


Date: 21.NOV.2016 10:01:53

Figure 8.4-246: Lower ISED band edge at 5725 MHz, 10 MHz channel, 32 dBi antenna, cho, PMP application

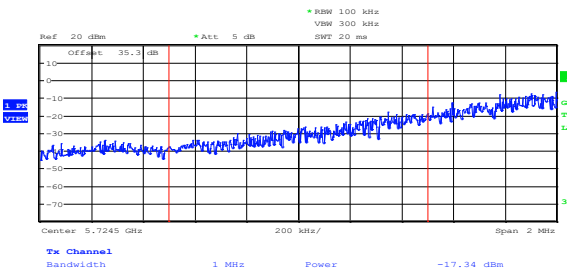
Section 8
Test name
Specification

Testing data
FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
FCC Part 15 Subpart E and RSS-247 Issue 1



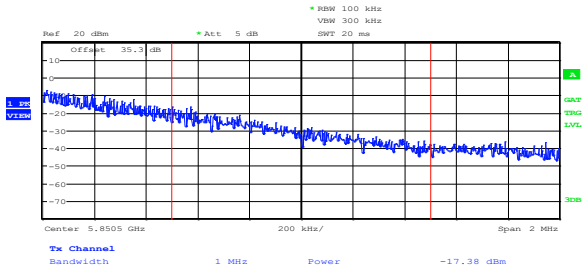
Date: 21.NOV.2016 10:12:39

Figure 8.4-247: Lower ISED band edge at 5715 MHz, 10 MHz channel, 32 dBi antenna, ch1, PMP application



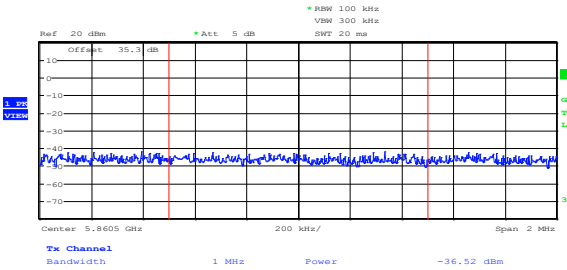
Date: 21.NOV.2016 10:12:16

Figure 8.4-248: Lower ISED band edge at 5725 MHz, 10 MHz channel, 32 dBi antenna, ch1, PMP application



Date: 21.NOV.2016 10:03:39

Figure 8.4-249: Upper ISED band edge at 5850 MHz, 10 MHz channel, 32 dBi antenna, cho, PMP application

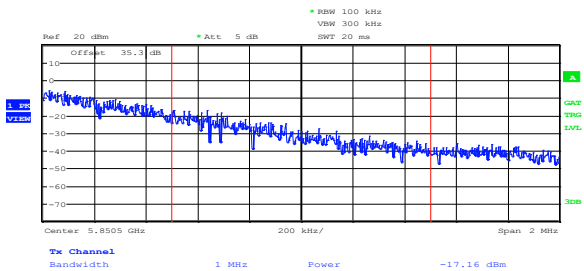


Date: 21.NOV.2016 10:04:01

Figure 8.4-250: Upper ISED band edge at 5860 MHz, 10 MHz channel, 32 dBi antenna, cho, PMP application

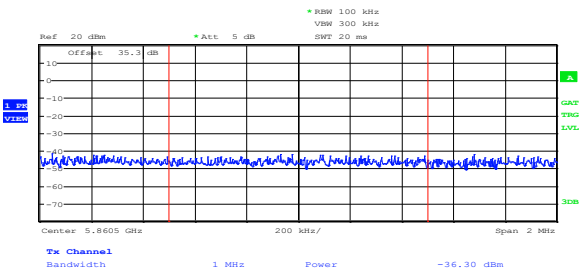
Section 8
Test name
Specification

Testing data
FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
FCC Part 15 Subpart E and RSS-247 Issue 1



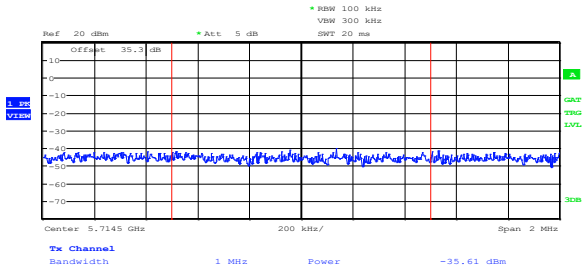
Date: 21.NOV.2016 10:04:53

Figure 8.4-251: Upper ISED band edge at 5850 MHz, 10 MHz channel, 32 dBi antenna, ch1, PMP application



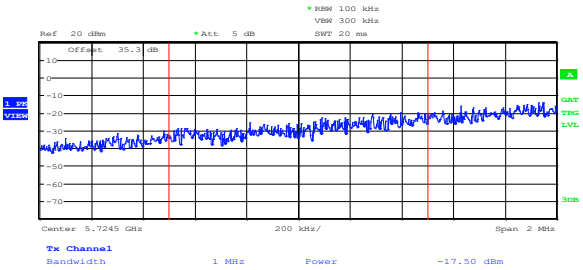
Date: 21.NOV.2016 10:05:21

Figure 8.4-252: Upper ISED band edge at 5860 MHz, 10 MHz channel, 32 dBi antenna, ch1, PMP application



Date: 21.NOV.2016 10:24:55

Figure 8.4-253: Lower ISED band edge at 5715 MHz, 20 MHz channel, 32 dBi antenna, cho, PMP application

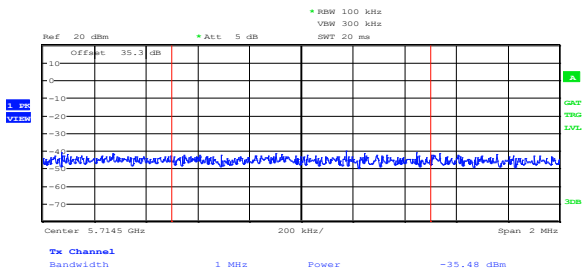


Date: 21.NOV.2016 10:24:33

Figure 8.4-254: Lower ISED band edge at 5725 MHz, 20 MHz channel, 32 dBi antenna, cho, PMP application

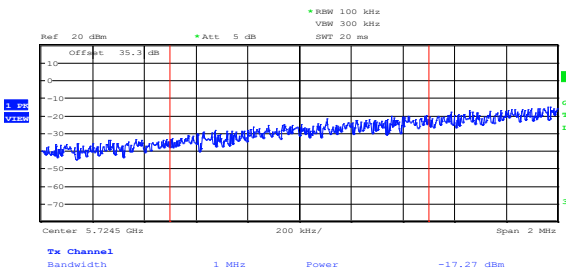
Section 8
Test name
Specification

Testing data
FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
FCC Part 15 Subpart E and RSS-247 Issue 1



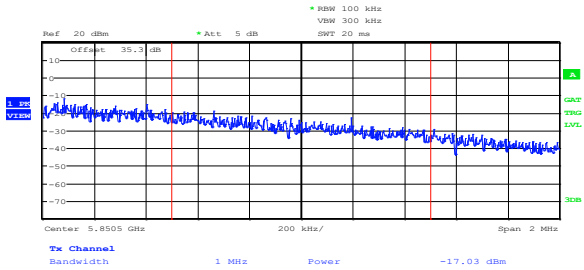
Date: 21.NOV.2016 10:21:02

Figure 8.4-255: Lower ISD band edge at 5715 MHz, 20 MHz channel, 32 dBi antenna, ch1, PMP application



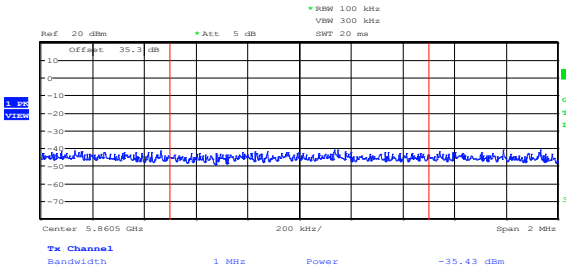
Date: 21.NOV.2016 10:20:36

Figure 8.4-256: Lower ISD band edge at 5725 MHz, 20 MHz channel, 32 dBi antenna, ch1, PMP application



Date: 21.NOV.2016 10:23:26

Figure 8.4-257: Upper ISD band edge at 5850 MHz, 20 MHz channel, 32 dBi antenna, cho, PMP application

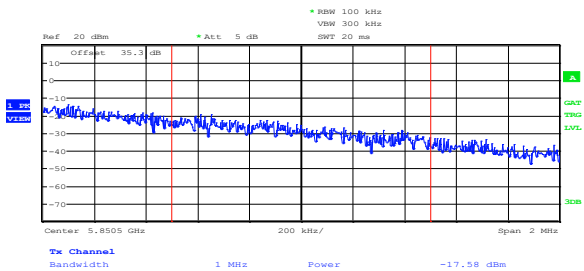


Date: 21.NOV.2016 10:23:44

Figure 8.4-258: Upper ISD band edge at 5860 MHz, 20 MHz channel, 32 dBi antenna, cho, PMP application

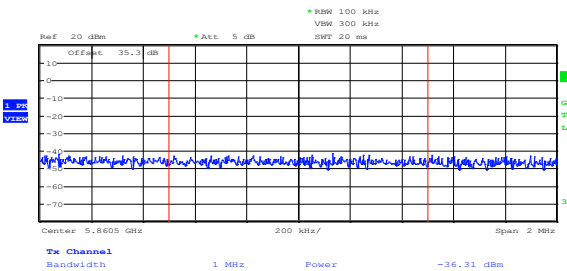
Section 8
Test name
Specification

Testing data
FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
FCC Part 15 Subpart E and RSS-247 Issue 1



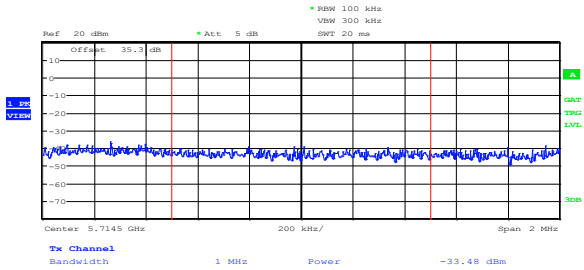
Date: 21.NOV.2016 10:22:03

Figure 8.4-259: Upper ISED band edge at 5850 MHz, 20 MHz channel, 32 dBi antenna, ch1, PMP application



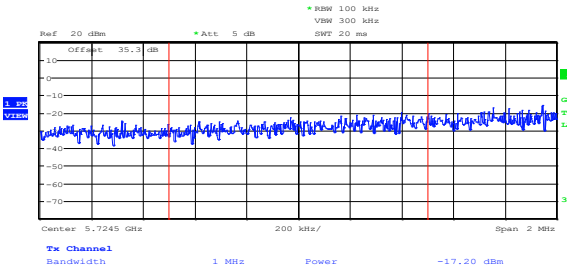
Date: 21.NOV.2016 10:22:27

Figure 8.4-260: Upper ISED band edge at 5860 MHz, 20 MHz channel, 32 dBi antenna, ch1, PMP application



Date: 21.NOV.2016 10:27:28

Figure 8.4-261: Lower ISED band edge at 5715 MHz, 40 MHz channel, 32 dBi antenna, cho, PMP application

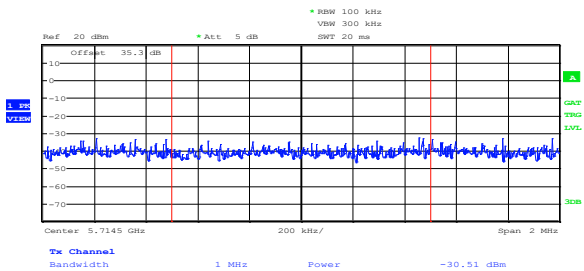


Date: 21.NOV.2016 10:27:05

Figure 8.4-262: Lower ISED band edge at 5725 MHz, 40 MHz channel, 32 dBi antenna, cho, PMP application

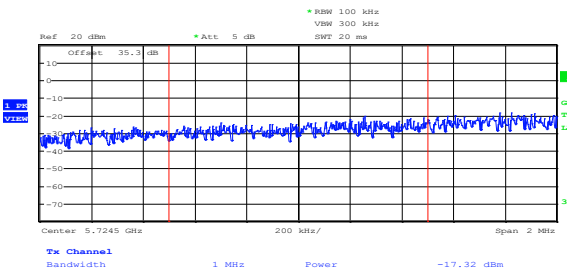
Section 8
Test name
Specification

Testing data
FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
FCC Part 15 Subpart E and RSS-247 Issue 1



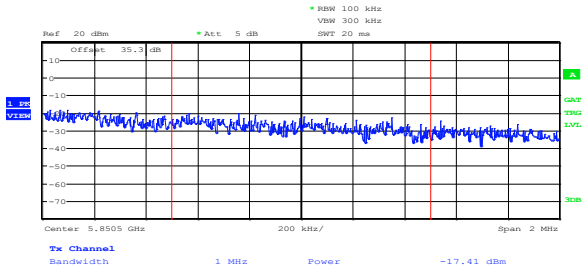
Date: 21.NOV.2016 10:31:06

Figure 8.4-263: Lower ISED band edge at 5715 MHz, 40 MHz channel, 32 dBi antenna, ch1, PMP application



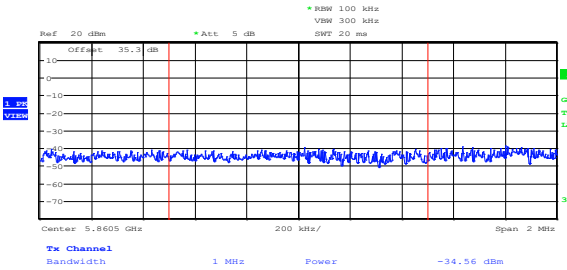
Date: 21.NOV.2016 10:30:40

Figure 8.4-264: Lower ISED band edge at 5725 MHz, 40 MHz channel, 32 dBi antenna, ch1, PMP application



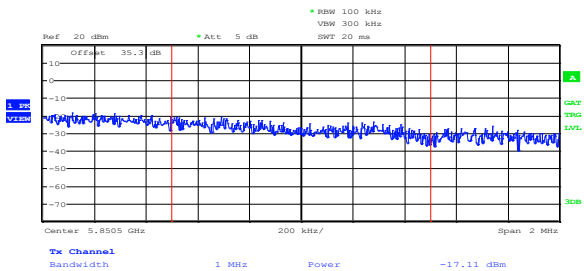
Date: 21.NOV.2016 10:28:26

Figure 8.4-265: Upper ISED band edge at 5850 MHz, 40 MHz channel, 32 dBi antenna, cho, PMP application



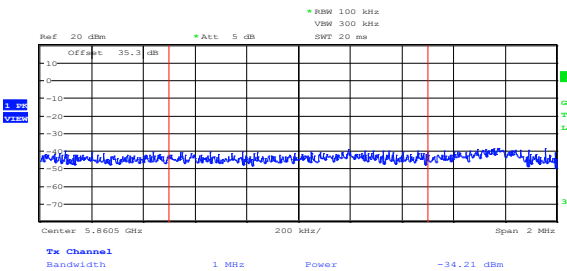
Date: 21.NOV.2016 10:28:46

Figure 8.4-266: Upper ISED band edge at 5860 MHz, 40 MHz channel, 32 dBi antenna, cho, PMP application



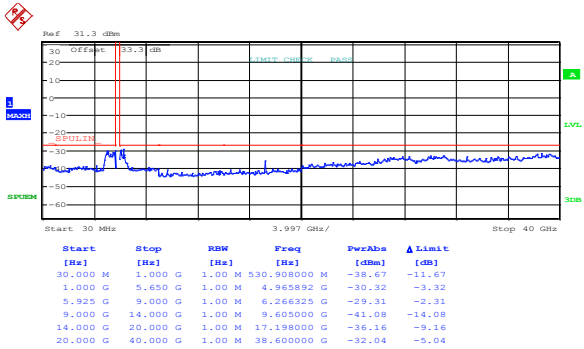
Date: 21.NOV.2016 10:29:33

Figure 8.4-267: Upper ISED band edge at 5850 MHz, 40 MHz channel, 32 dBi antenna, ch1, PMP application



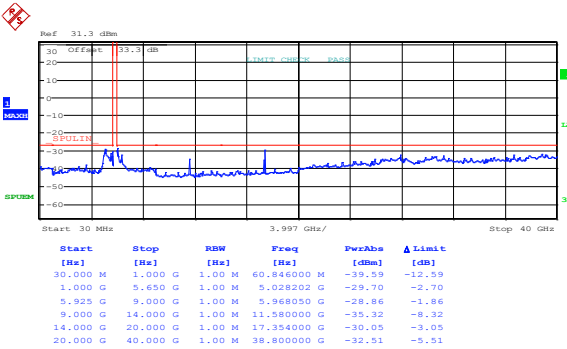
Date: 21.NOV.2016 10:29:56

Figure 8.4-268: Upper ISED band edge at 5860 MHz, 40 MHz channel, 32 dBi antenna, ch1, PMP application



Date: 25.NOV.2016 15:16:09

Figure 8.4-269: Spurious emissions outside restricted bands, 10 MHz channel, 24 dBi antenna, low channel, cho, BPSK, PTP application

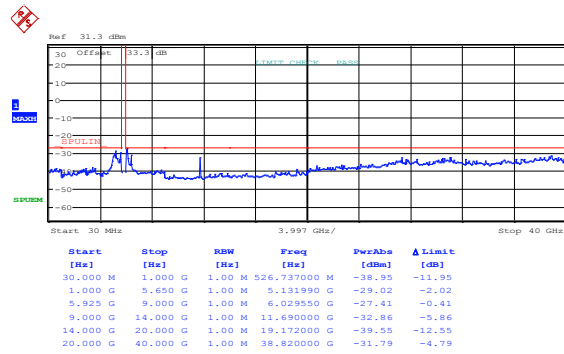


Date: 25.NOV.2016 15:15:28

Figure 8.4-270: Spurious emissions outside restricted bands, 10 MHz channel, 24 dBi antenna, cho, mid channel, BPSK, PTP application

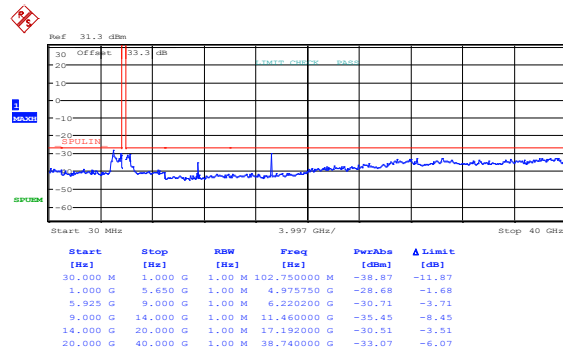
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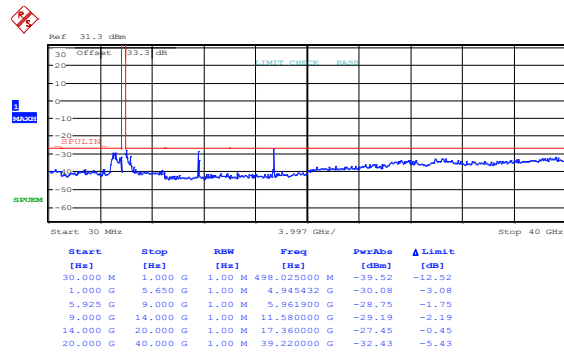
Date: 25.NOV.2016 15:00:47

Figure 8.4-271: Spurious emissions outside restricted bands, 10 MHz channel, 24 dBi antenna, high channel, cho, BPSK, PTP application



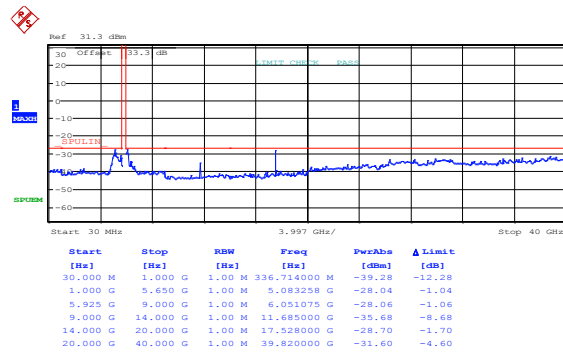
Date: 25.NOV.2016 14:56:07

Figure 8.4-272: Spurious emissions outside restricted bands, 10 MHz channel, 24 dBi antenna, ch1, low channel, BPSK, PTP application



Date: 25.NOV.2016 14:57:20

Figure 8.4-273: Spurious emissions outside restricted bands, 10 MHz channel, 24 dBi antenna, mid channel, ch1, BPSK, PTP application

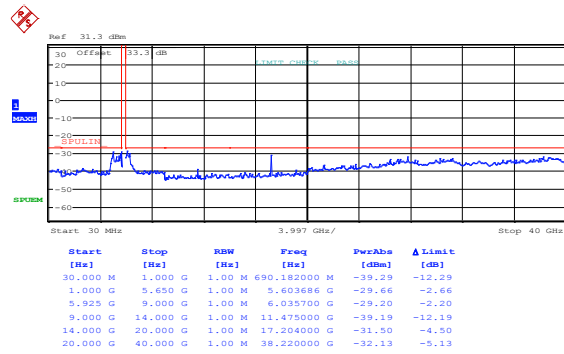


Date: 25.NOV.2016 15:00:23

Figure 8.4-274: Spurious emissions outside restricted bands, 10 MHz channel, 24 dBi antenna, ch1, high channel, BPSK, PTP application

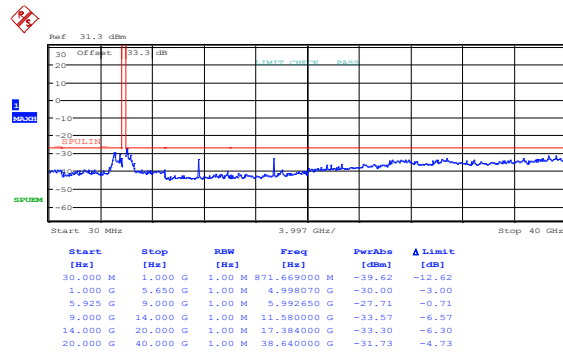
Section 8
Test name
Specification

Testing data
FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
FCC Part 15 Subpart E and RSS-247 Issue 1



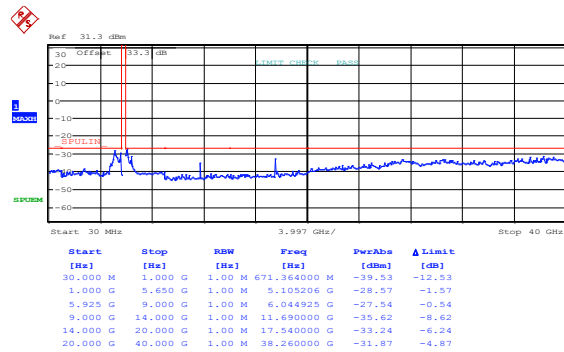
Date: 25.NOV.2016 15:17:35

Figure 8.4-275: Spurious emissions outside restricted bands, 10 MHz channel, 24 dBi antenna, low channel, cho, 256-QAM, PTP application



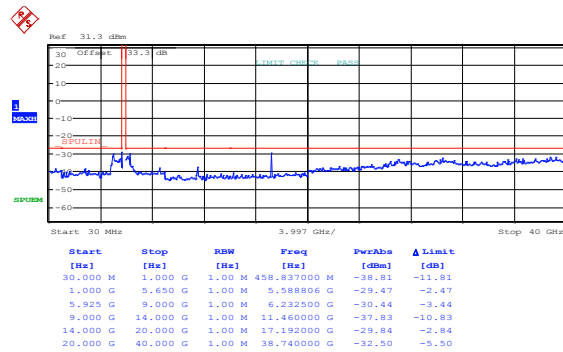
Date: 25.NOV.2016 15:14:58

Figure 8.4-276: Spurious emissions outside restricted bands, 10 MHz channel, 24 dBi antenna, cho, mid channel, 256-QAM, PTP application



Date: 25.NOV.2016 15:01:18

Figure 8.4-277: Spurious emissions outside restricted bands, 10 MHz channel, 24 dBi antenna, high channel, cho, 256-QAM, PTP application

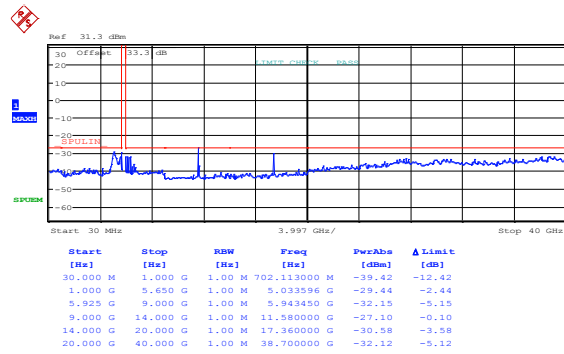


Date: 25.NOV.2016 14:52:45

Figure 8.4-278: Spurious emissions outside restricted bands, 10 MHz channel, 24 dBi antenna, ch1, low channel, 256-QAM, PTP application

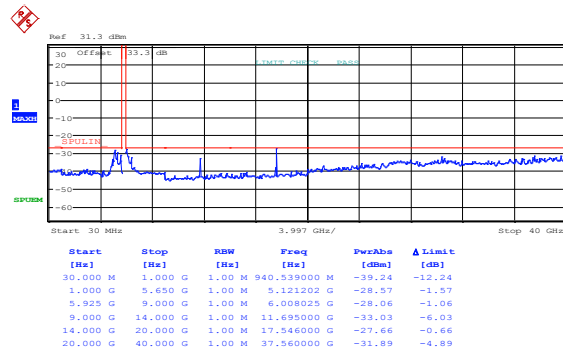
Section 8
Test name
Specification

Testing data
FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
FCC Part 15 Subpart E and RSS-247 Issue 1



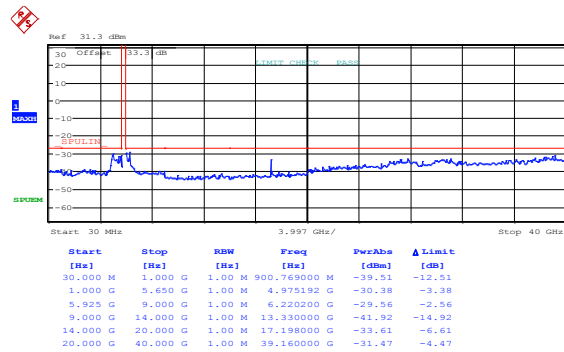
Date: 25.NOV.2016 14:58:07

Figure 8.4-279: Spurious emissions outside restricted bands, 10 MHz channel, 24 dBi antenna, mid channel, ch1, 256-QAM, PTP application



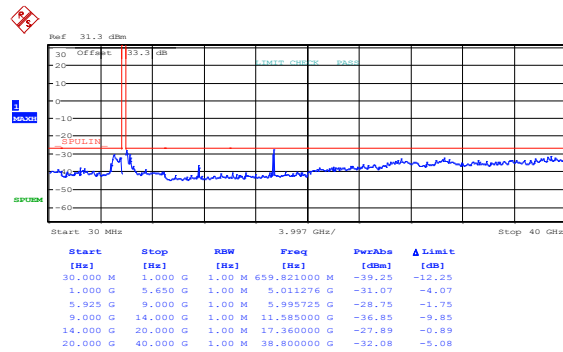
Date: 25.NOV.2016 14:59:36

Figure 8.4-280: Spurious emissions outside restricted bands, 10 MHz channel, 24 dBi antenna, ch1, high channel, 256-QAM, PTP application



Date: 25.NOV.2016 15:19:03

Figure 8.4-281: Spurious emissions outside restricted bands, 20 MHz channel, 24 dBi antenna, low channel, cho, BPSK, PTP application

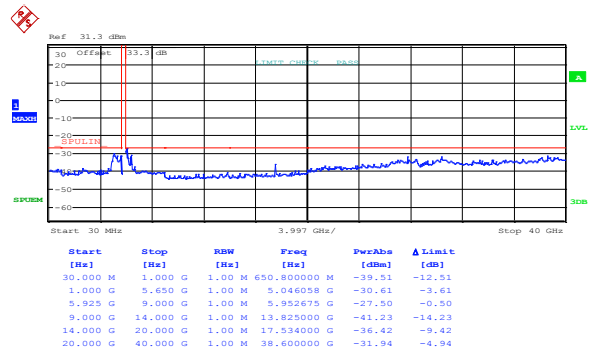


Date: 25.NOV.2016 15:19:46

Figure 8.4-282: Spurious emissions outside restricted bands, 20 MHz channel, 24 dBi antenna, cho, mid channel, BPSK, PTP application

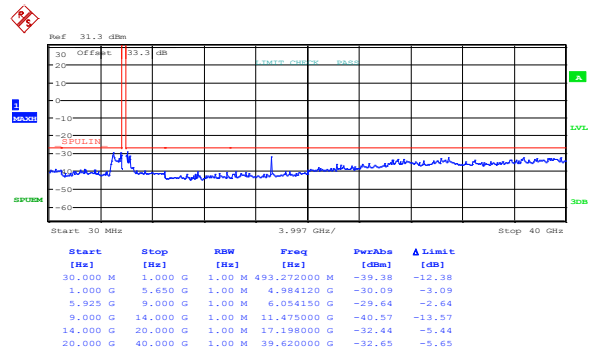
Section 8
Test name
Specification

Testing data
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 FCC Part 15 Subpart E and RSS-247 Issue 1



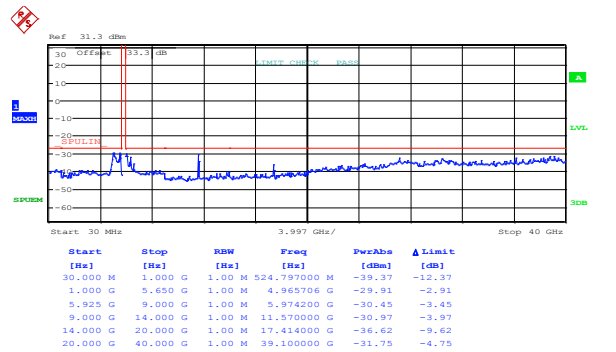
Date: 25.NOV.2016 15:23:26

Figure 8.4-283: Spurious emissions outside restricted bands, 20 MHz channel, 24 dBi antenna, high channel, cho, BPSK, PTP application



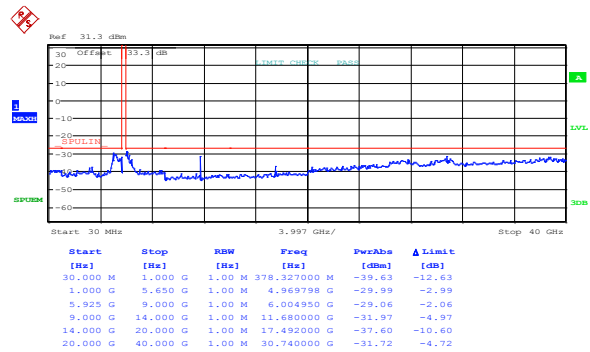
Date: 25.NOV.2016 15:27:30

Figure 8.4-284: Spurious emissions outside restricted bands, 20 MHz channel, 24 dBi antenna, ch1, low channel, BPSK, PTP application



Date: 25.NOV.2016 15:26:47

Figure 8.4-285: Spurious emissions outside restricted bands, 20 MHz channel, 24 dBi antenna, mid channel, ch1, BPSK, PTP application

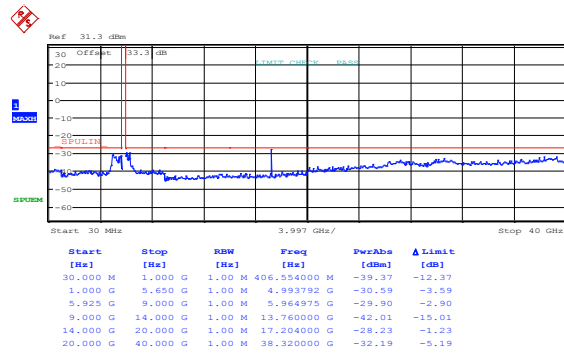


Date: 25.NOV.2016 15:24:09

Figure 8.4-286: Spurious emissions outside restricted bands, 20 MHz channel, 24 dBi antenna, ch1, high channel, BPSK, PTP application

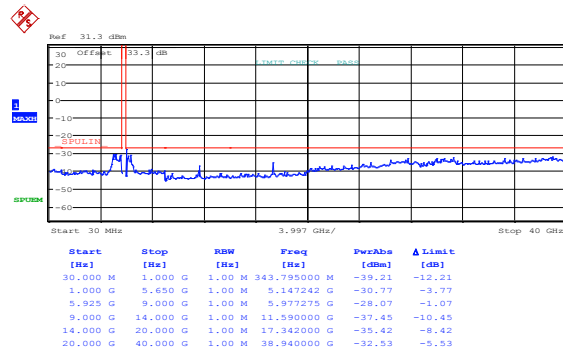
Section 8
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FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
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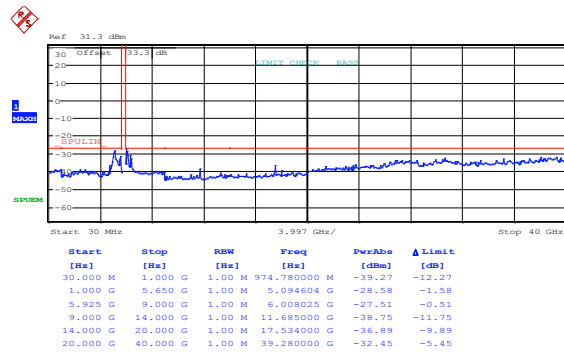
Date: 25.NOV.2016 15:18:39

Figure 8.4-287: Spurious emissions outside restricted bands, 20 MHz channel, 24 dBi antenna, low channel, cho, 256-QAM, PTP application



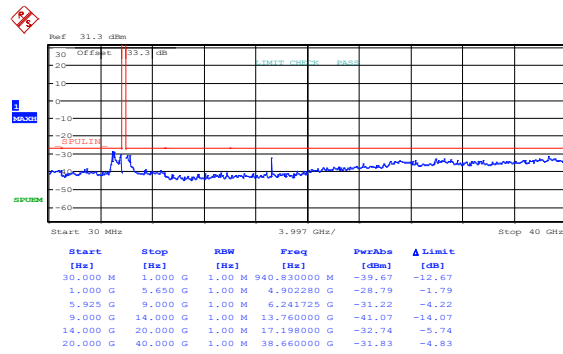
Date: 25.NOV.2016 15:22:22

Figure 8.4-288: Spurious emissions outside restricted bands, 20 MHz channel, 24 dBi antenna, cho, mid channel, 256-QAM, PTP application



Date: 25.NOV.2016 15:23:03

Figure 8.4-289: Spurious emissions outside restricted bands, 20 MHz channel, 24 dBi antenna, high channel, cho, 256-QAM, PTP application

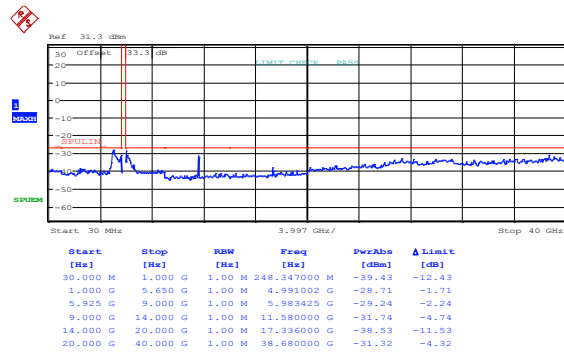


Date: 25.NOV.2016 15:28:13

Figure 8.4-290: Spurious emissions outside restricted bands, 20 MHz channel, 24 dBi antenna, ch1, low channel, 256-QAM, PTP application

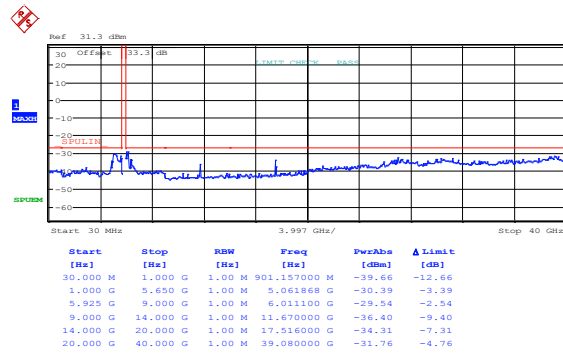
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Testing data
FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
FCC Part 15 Subpart E and RSS-247 Issue 1



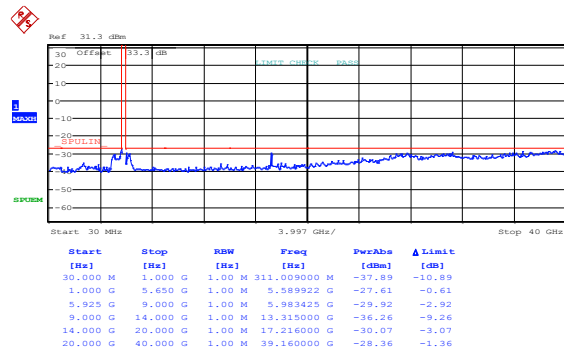
Date: 25.NOV.2016 15:26:29

Figure 8.4-291: Spurious emissions outside restricted bands, 20 MHz channel, 24 dBi antenna, mid channel, ch1, 256-QAM, PTP application



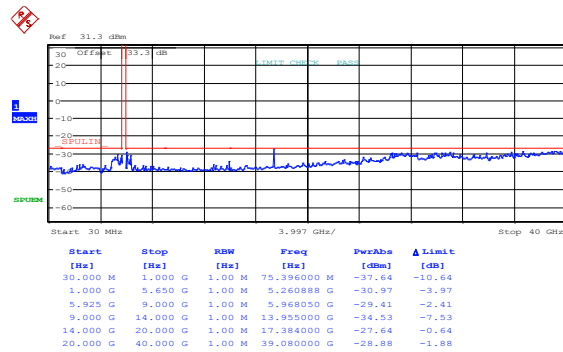
Date: 25.NOV.2016 15:24:36

Figure 8.4-292: Spurious emissions outside restricted bands, 20 MHz channel, 24 dBi antenna, ch1, high channel, 256-QAM, PTP application



Date: 25.NOV.2016 15:48:07

Figure 8.4-293: Spurious emissions outside restricted bands, 40 MHz channel, 24 dBi antenna, low channel, cho, BPSK, PTP application

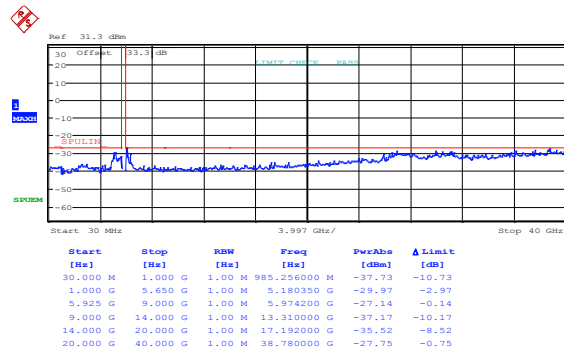


Date: 25.NOV.2016 15:47:20

Figure 8.4-294: Spurious emissions outside restricted bands, 40 MHz channel, 24 dBi antenna, cho, mid channel, BPSK, PTP application

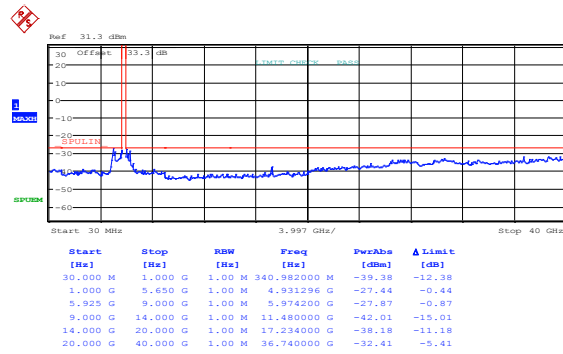
Section 8
Test name
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Testing data
FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
FCC Part 15 Subpart E and RSS-247 Issue 1



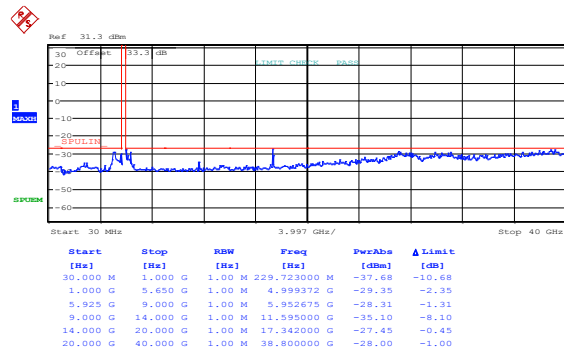
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Figure 8.4-295: Spurious emissions outside restricted bands, 40 MHz channel, 24 dBi antenna, high channel, cho, BPSK, PTP application



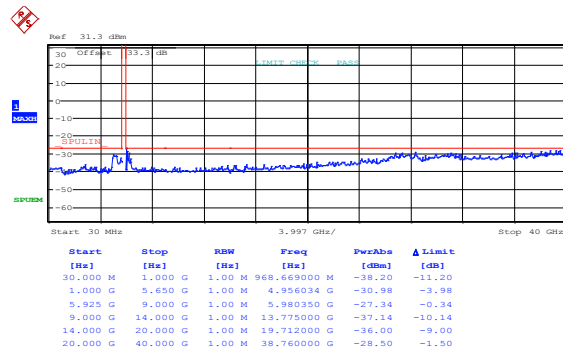
Date: 25.NOV.2016 15:30:39

Figure 8.4-296: Spurious emissions outside restricted bands, 40 MHz channel, 24 dBi antenna, ch1, low channel, BPSK, PTP application



Date: 25.NOV.2016 15:32:27

Figure 8.4-297: Spurious emissions outside restricted bands, 40 MHz channel, 24 dBi antenna, mid channel, ch1, BPSK, PTP application

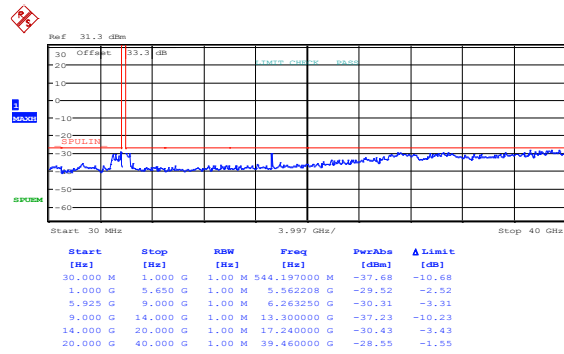


Date: 25.NOV.2016 15:38:33

Figure 8.4-298: Spurious emissions outside restricted bands, 40 MHz channel, 24 dBi antenna, ch1, high channel, BPSK, PTP application

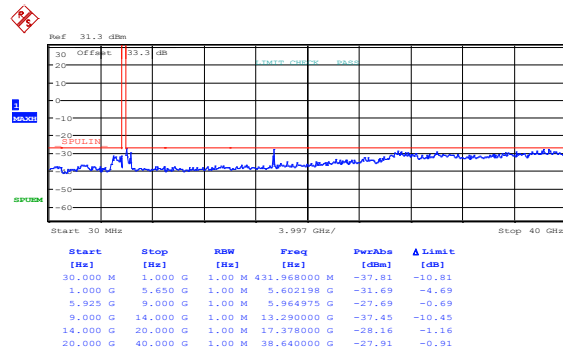
Section 8
Test name
Specification

Testing data
FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
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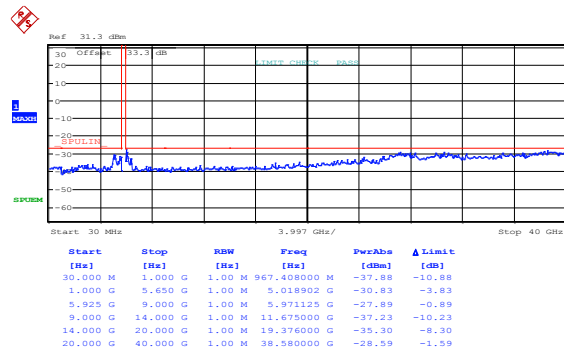
Date: 25.NOV.2016 15:48:32

Figure 8.4-299: Spurious emissions outside restricted bands, 40 MHz channel, 24 dBi antenna, low channel, cho, 256-QAM, PTP application



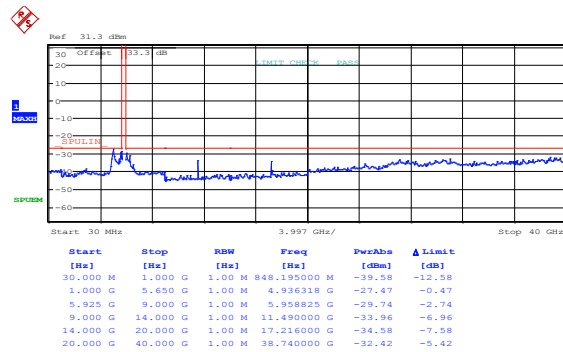
Date: 25.NOV.2016 15:46:56

Figure 8.4-300: Spurious emissions outside restricted bands, 40 MHz channel, 24 dBi antenna, cho, mid channel, 256-QAM, PTP application



Date: 25.NOV.2016 15:43:02

Figure 8.4-301: Spurious emissions outside restricted bands, 40 MHz channel, 24 dBi antenna, high channel, cho, 256-QAM, PTP application

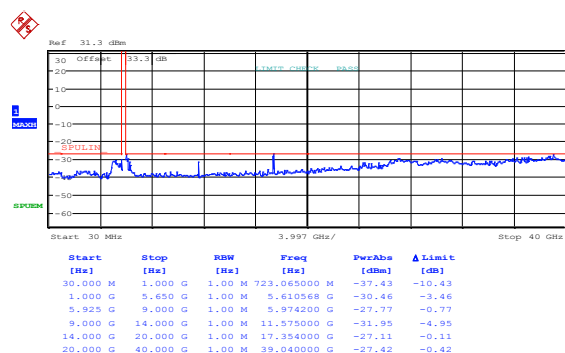


Date: 25.NOV.2016 15:30:04

Figure 8.4-302: Spurious emissions outside restricted bands, 40 MHz channel, 24 dBi antenna, ch1, low channel, 256-QAM, PTP application

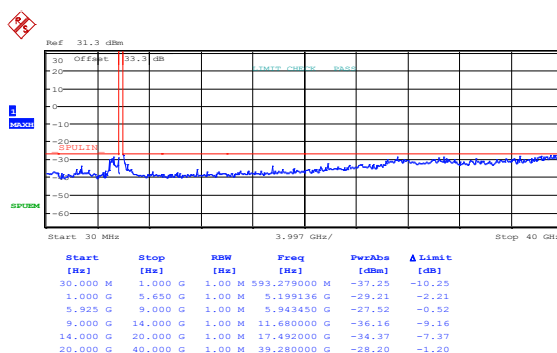
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Testing data
FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
FCC Part 15 Subpart E and RSS-247 Issue 1



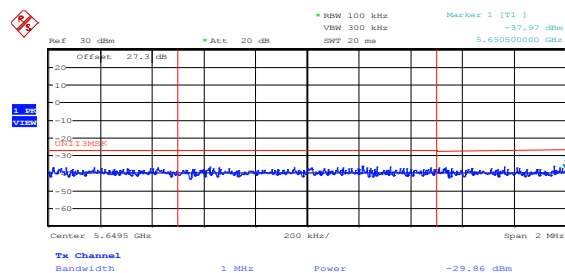
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Figure 8.4-303: Spurious emissions outside restricted bands, 40 MHz channel, 24 dBi antenna, mid channel, ch1, 256-QAM, PTP application



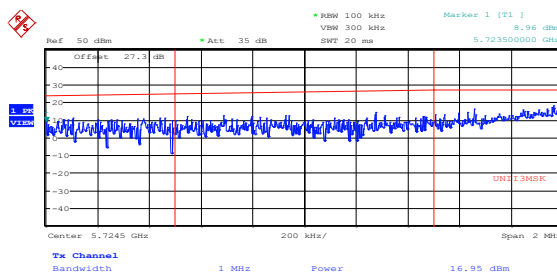
Date: 25.NOV.2016 15:37:50

Figure 8.4-304: Spurious emissions outside restricted bands, 40 MHz channel, 24 dBi antenna, ch1, high channel, 256-QAM, PTP application



Date: 24.NOV.2016 15:46:32

Figure 8.4-305: Lower FCC band edge emissions outside restricted bands at 5650 MHz, 10 MHz channel, 24 dBi antenna, cho, BPSK, PTP application

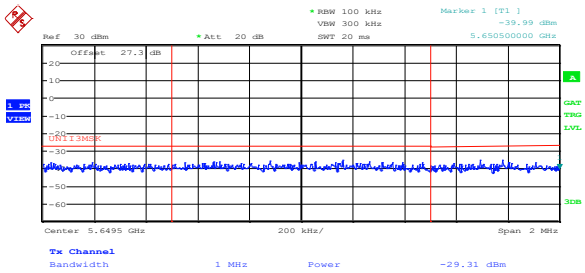


Date: 24.NOV.2016 15:44:19

Figure 8.4-306: Lower FCC band edge emissions outside restricted bands at 5725 MHz, 10 MHz channel, 24 dBi antenna, cho, BPSK, PTP application

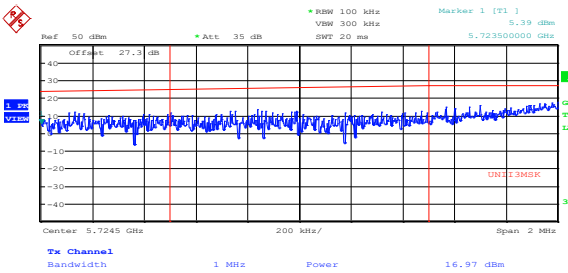
Section 8
Test name
Specification

Testing data
FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
FCC Part 15 Subpart E and RSS-247 Issue 1



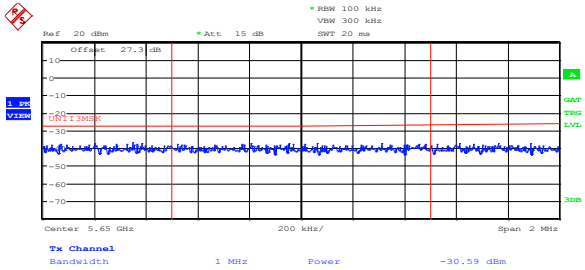
Date: 24.NOV.2016 15:46:15

Figure 8.4-307: Lower FCC band edge emissions outside restricted bands at 5650 MHz, 10 MHz channel, 24 dBi antenna, cho, 256-QAM, PTP application



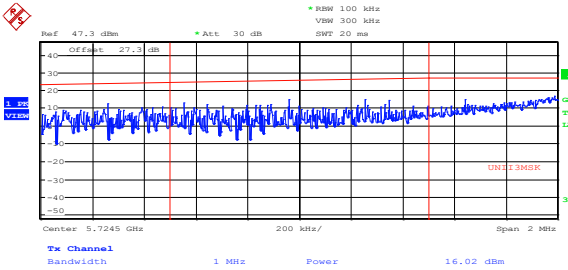
Date: 24.NOV.2016 15:45:39

Figure 8.4-308: Lower FCC band edge emissions outside restricted bands at 5725 MHz, 10 MHz channel, 24 dBi antenna, cho, 256-QAM, PTP application



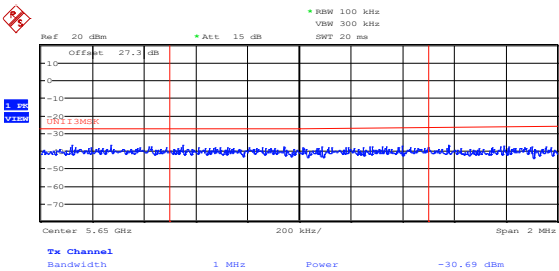
Date: 24.NOV.2016 15:59:43

Figure 8.4-309: Lower FCC band edge emissions outside restricted bands at 5650 MHz, 10 MHz channel, 24 dBi antenna, ch1, BPSK, PTP application



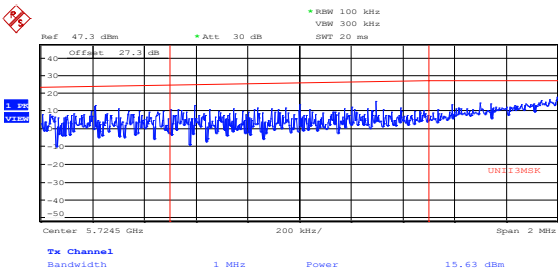
Date: 24.NOV.2016 15:58:40

Figure 8.4-310: Lower FCC band edge emissions outside restricted bands at 5725 MHz, 10 MHz channel, 24 dBi antenna, ch1, BPSK, PTP application



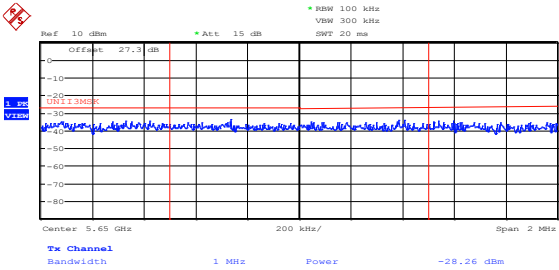
Date: 24.NOV.2016 15:59:28

Figure 8.4-311: Lower FCC band edge emissions outside restricted bands at 5650 MHz, 10 MHz channel, 24 dBi antenna, ch1, 256-QAM, PTP application



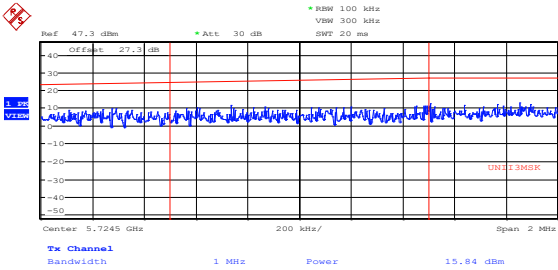
Date: 24.NOV.2016 15:59:10

Figure 8.4-312: Lower FCC band edge emissions outside restricted bands at 5725 MHz, 10 MHz channel, 24 dBi antenna, ch1, 256-QAM, PTP application



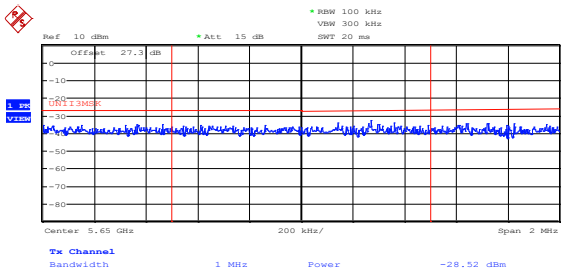
Date: 24.NOV.2016 16:02:08

Figure 8.4-313: Lower FCC band edge emissions outside restricted bands at 5650 MHz, 20 MHz channel, 24 dBi antenna, cho, BPSK, PTP application



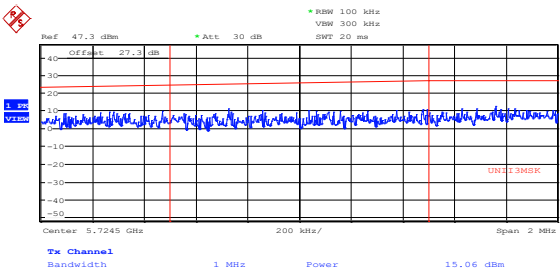
Date: 24.NOV.2016 16:00:47

Figure 8.4-314: Lower FCC band edge emissions outside restricted bands at 5725 MHz, 20 MHz channel, 24 dBi antenna, cho, BPSK, PTP application



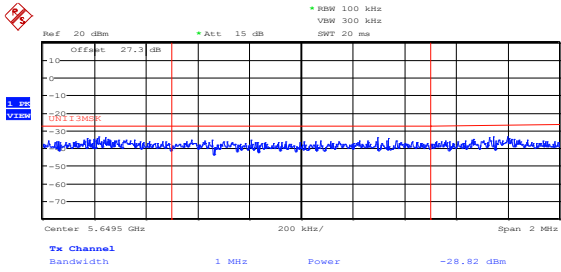
Date: 24.NOV.2016 16:01:48

Figure 8.4-315: Lower FCC band edge emissions outside restricted bands at 5650 MHz, 20 MHz channel, 24 dBi antenna, cho, 256-QAM, PTP application



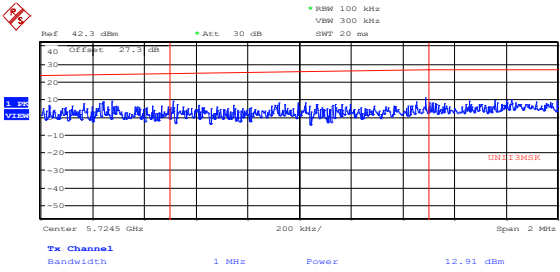
Date: 24.NOV.2016 16:01:23

Figure 8.4-316: Lower FCC band edge emissions outside restricted bands at 5725 MHz, 20 MHz channel, 24 dBi antenna, cho, 256-QAM, PTP application



Date: 24.NOV.2016 15:57:42

Figure 8.4-317: Lower FCC band edge emissions outside restricted bands at 5650 MHz, 20 MHz channel, 24 dBi antenna, ch1, BPSK, PTP application



Date: 24.NOV.2016 15:56:25

Figure 8.4-318: Lower FCC band edge emissions outside restricted bands at 5725 MHz, 20 MHz channel, 24 dBi antenna, ch1, BPSK, PTP application

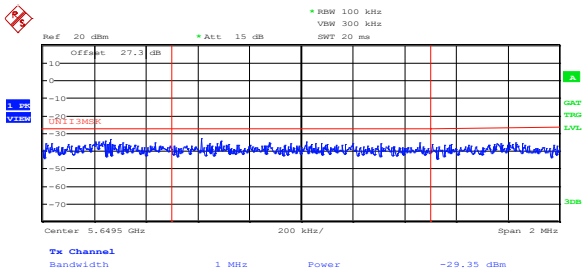


Figure 8.4-319: Lower FCC band edge emissions outside restricted bands at 5650 MHz, 20 MHz channel, 24 dBi antenna, ch1, 256-QAM, PTP application

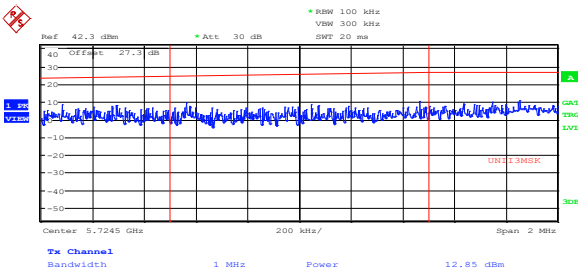


Figure 8.4-320: Lower FCC band edge emissions outside restricted bands at 5725 MHz, 20 MHz channel, 24 dBi antenna, ch1, 256-QAM, PTP application

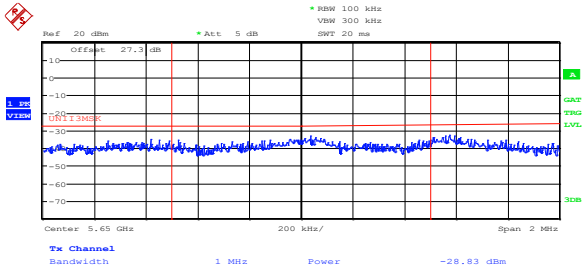


Figure 8.4-321: Lower FCC band edge emissions outside restricted bands at 5650 MHz, 40 MHz channel, 24 dBi antenna, cho, BPSK, PTP application

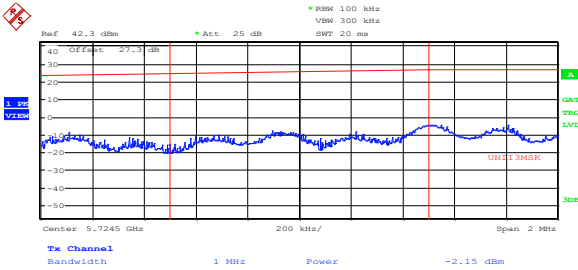
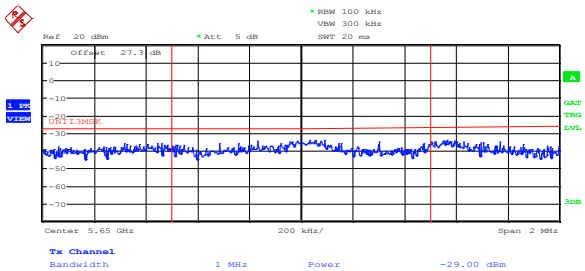
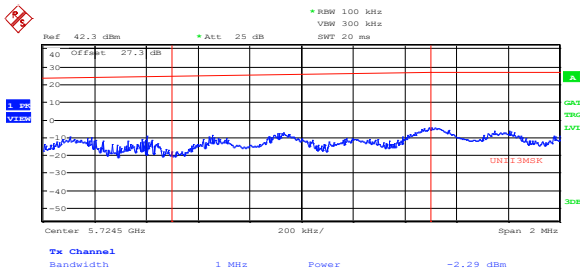


Figure 8.4-322: Lower FCC band edge emissions outside restricted bands at 5725 MHz, 40 MHz channel, 24 dBi antenna, cho, BPSK, PTP application



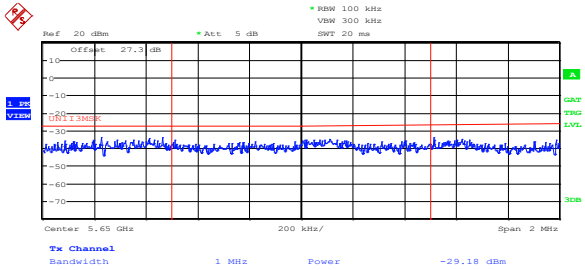
Date: 24.NOV.2016 16:24:12

Figure 8.4-323: Lower FCC band edge emissions outside restricted bands at 5650 MHz, 40 MHz channel, 24 dBi antenna, cho, 256-QAM, PTP application



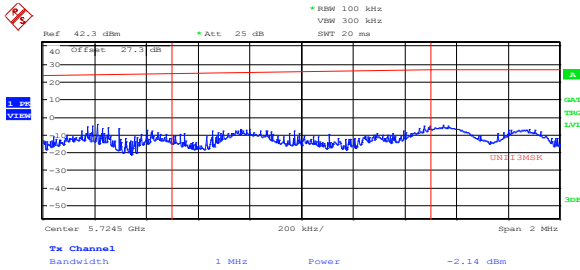
Date: 24.NOV.2016 16:19:18

Figure 8.4-324: Lower FCC band edge emissions outside restricted bands at 5725 MHz, 40 MHz channel, 24 dBi antenna, cho, 256-QAM, PTP application



Date: 24.NOV.2016 16:24:59

Figure 8.4-325: Lower FCC band edge emissions outside restricted bands at 5650 MHz, 40 MHz channel, 24 dBi antenna, ch1, BPSK, PTP application

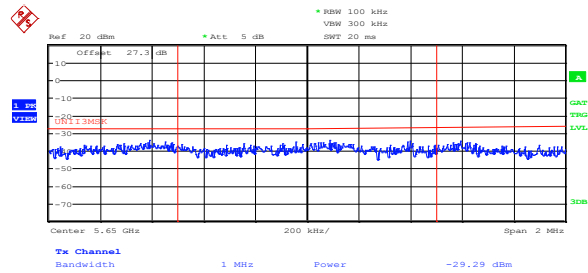


Date: 24.NOV.2016 16:18:02

Figure 8.4-326: Lower FCC band edge emissions outside restricted bands at 5725 MHz, 40 MHz channel, 24 dBi antenna, ch1, BPSK, PTP application

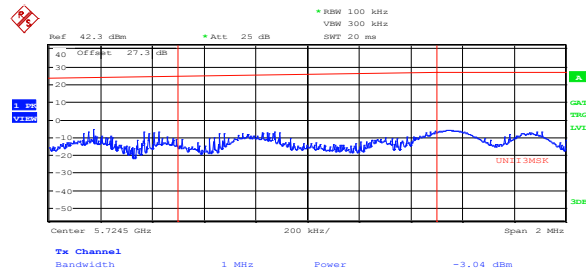
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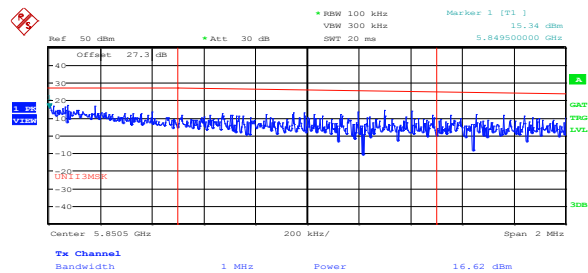
Date: 24.NOV.2016 16:24:37

Figure 8.4-327: Lower FCC band edge emissions outside restricted bands at 5650 MHz, 40 MHz channel, 24 dBi antenna, ch1, 256-QAM, PTP application



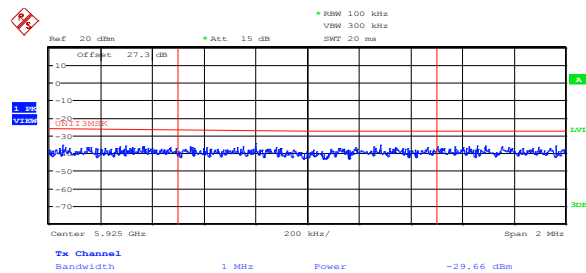
Date: 24.NOV.2016 16:18:31

Figure 8.4-328: Lower FCC band edge emissions outside restricted bands at 5725 MHz, 40 MHz channel, 24 dBi antenna, ch1, 256-QAM, PTP application



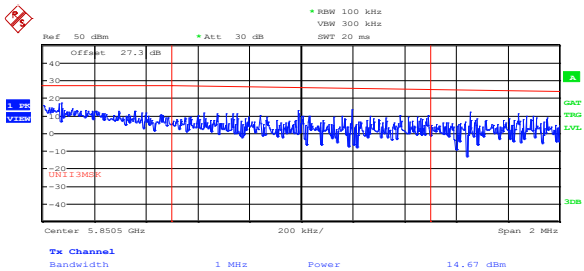
Date: 24.NOV.2016 15:47:59

Figure 8.4-329: Upper FCC band edge emissions outside restricted bands at 5850 MHz, 10 MHz channel, 24 dBi antenna, cho, BPSK, PTP application



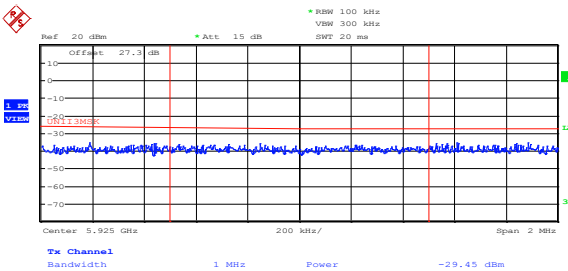
Date: 24.NOV.2016 15:49:36

Figure 8.4-330: Upper FCC band edge emissions outside restricted bands at 5925 MHz, 10 MHz channel, 24 dBi antenna, cho, BPSK, PTP application



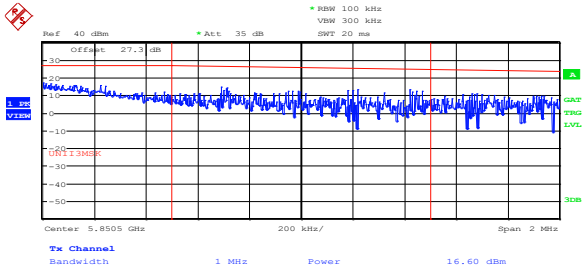
Date: 24.NOV.2016 15:48:28

Figure 8.4-331: Upper FCC band edge emissions outside restricted bands at 5850 MHz, 10 MHz channel, 24 dBi antenna, cho, 256-QAM, PTP application



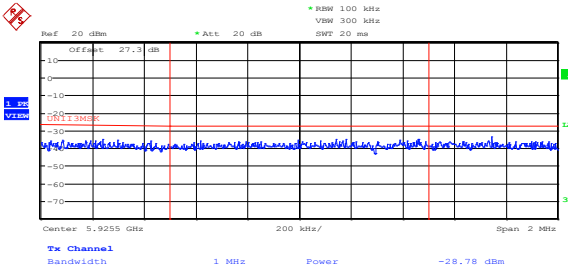
Date: 24.NOV.2016 15:49:16

Figure 8.4-332: Upper FCC band edge emissions outside restricted bands at 5925 MHz, 10 MHz channel, 24 dBi antenna, cho, 256-QAM, PTP application



Date: 24.NOV.2016 15:50:40

Figure 8.4-333: Upper FCC band edge emissions outside restricted bands at 5850 MHz, 10 MHz channel, 24 dBi antenna, ch1, BPSK, PTP application

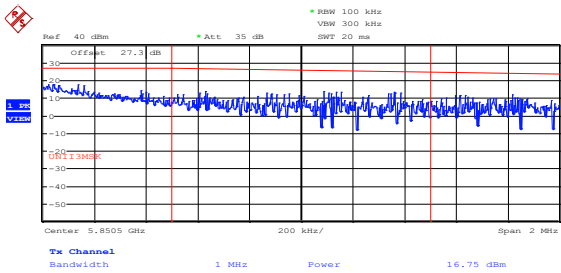


Date: 24.NOV.2016 15:52:00

Figure 8.4-334: Upper FCC band edge emissions outside restricted bands at 5925 MHz, 10 MHz channel, 24 dBi antenna, ch1, BPSK, PTP application

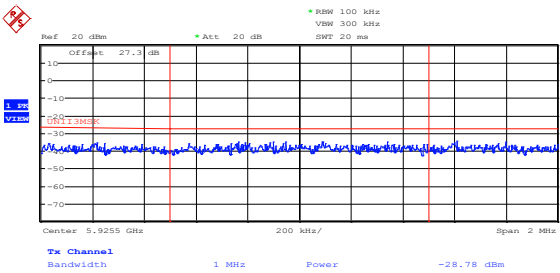
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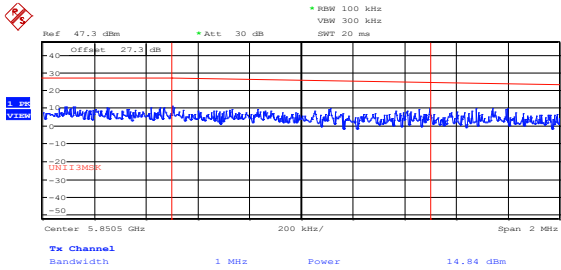
Date: 24.NOV.2016 15:51:07

Figure 8.4-335: Upper FCC band edge emissions outside restricted bands at 5850 MHz, 10 MHz channel, 24 dBi antenna, ch1, 256-QAM, PTP application



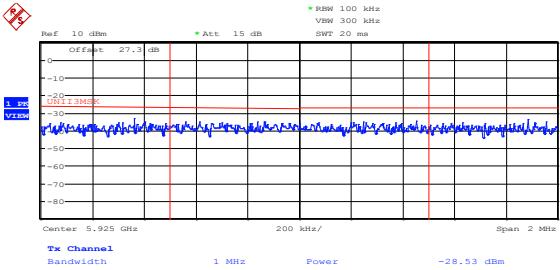
Date: 24.NOV.2016 15:51:39

Figure 8.4-336: Upper FCC band edge emissions outside restricted bands at 5925 MHz, 10 MHz channel, 24 dBi antenna, ch1, 256-QAM, PTP application



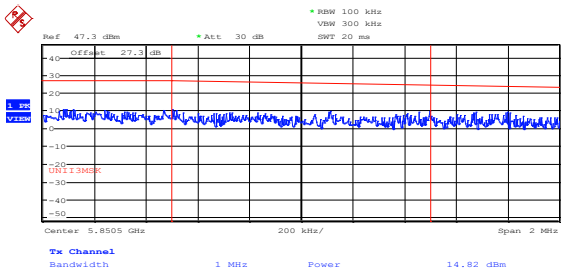
Date: 24.NOV.2016 16:03:05

Figure 8.4-337: Upper FCC band edge emissions outside restricted bands at 5850 MHz, 20 MHz channel, 24 dBi antenna, cho, BPSK, PTP application



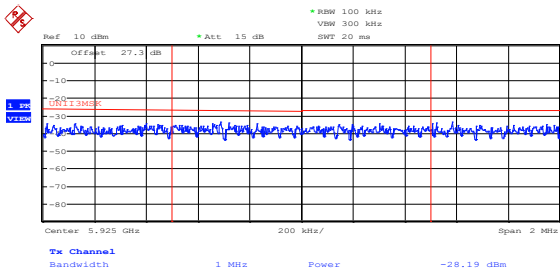
Date: 24.NOV.2016 16:04:13

Figure 8.4-338: Upper FCC band edge emissions outside restricted bands at 5925 MHz, 20 MHz channel, 24 dBi antenna, cho, BPSK, PTP application



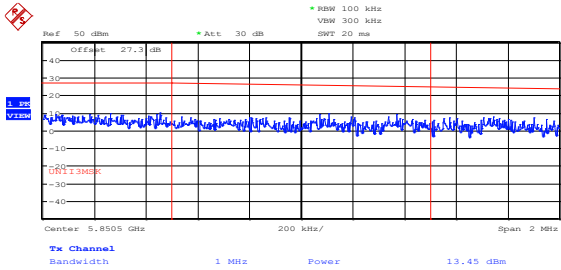
Date: 24.NOV.2016 16:03:31

Figure 8.4-339: Upper FCC band edge emissions outside restricted bands at 5850 MHz, 20 MHz channel, 24 dBi antenna, cho, 256-QAM, PTP application



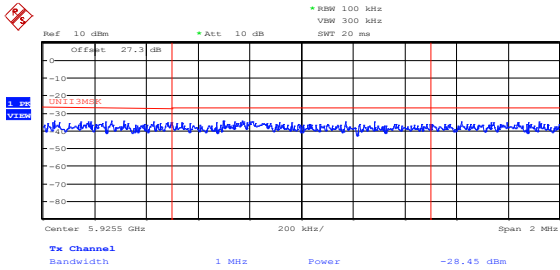
Date: 24.NOV.2016 16:03:54

Figure 8.4-340: Upper FCC band edge emissions outside restricted bands at 5925 MHz, 20 MHz channel, 24 dBi antenna, cho, 256-QAM, PTP application



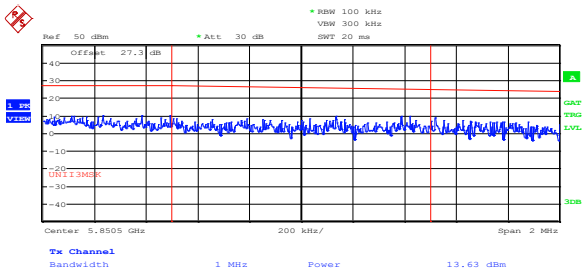
Date: 24.NOV.2016 15:53:46

Figure 8.4-341: Upper FCC band edge emissions outside restricted bands at 5850 MHz, 20 MHz channel, 24 dBi antenna, ch1, BPSK, PTP application



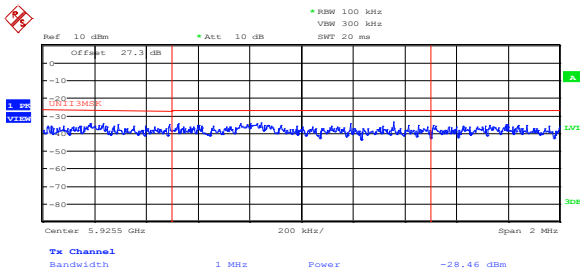
Date: 24.NOV.2016 15:55:05

Figure 8.4-342: Upper FCC band edge emissions outside restricted bands at 5925 MHz, 20 MHz channel, 24 dBi antenna, ch1, BPSK, PTP application



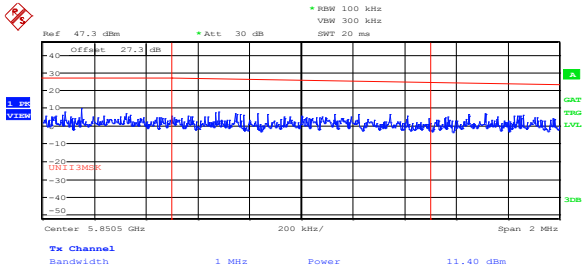
Date: 24.NOV.2016 15:54:09

Figure 8.4-343: Upper FCC band edge emissions outside restricted bands at 5850 MHz, 20 MHz channel, 24 dBi antenna, ch1, 256-QAM, PTP application



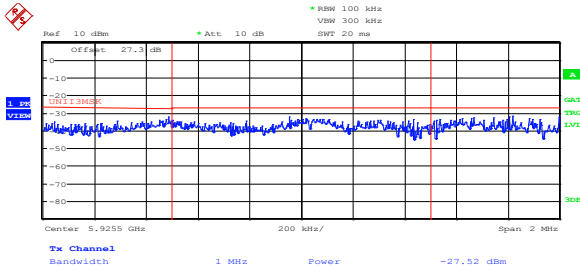
Date: 24.NOV.2016 15:54:38

Figure 8.4-344: Upper FCC band edge emissions outside restricted bands at 5925 MHz, 20 MHz channel, 24 dBi antenna, ch1, 256-QAM, PTP application



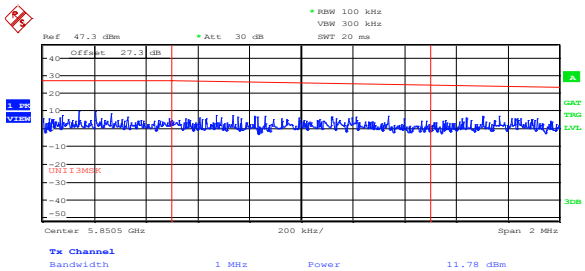
Date: 24.NOV.2016 16:05:18

Figure 8.4-345: Upper FCC band edge emissions outside restricted bands at 5850 MHz, 40 MHz channel, 24 dBi antenna, cho, BPSK, PTP application



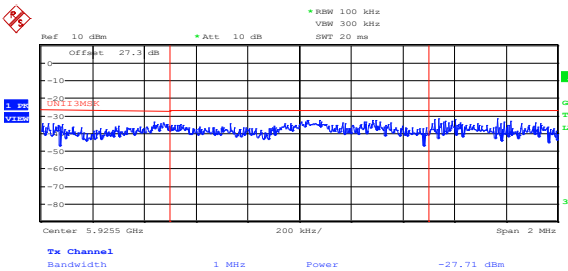
Date: 24.NOV.2016 16:08:23

Figure 8.4-346: Upper FCC band edge emissions outside restricted bands at 5925 MHz, 40 MHz channel, 24 dBi antenna, cho, BPSK, PTP application



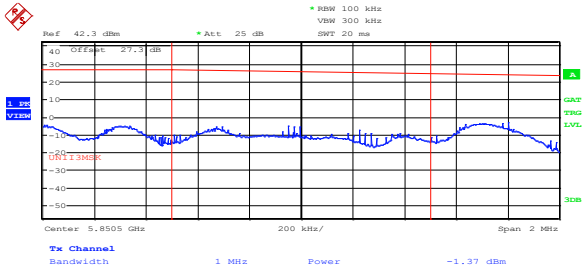
Date: 24.NOV.2016 16:05:43

Figure 8.4-347: Upper FCC band edge emissions outside restricted bands at 5850 MHz, 40 MHz channel, 24 dBi antenna, cho, 256-QAM, PTP application



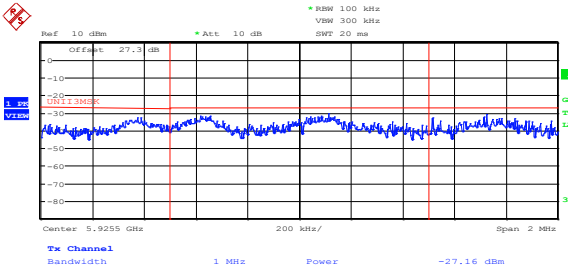
Date: 24.NOV.2016 16:07:59

Figure 8.4-348: Upper FCC band edge emissions outside restricted bands at 5925 MHz, 40 MHz channel, 24 dBi antenna, cho, 256-QAM, PTP application



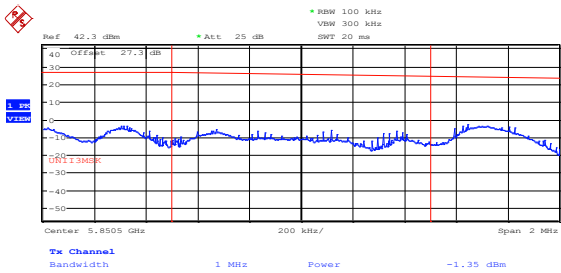
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Figure 8.4-349: Upper FCC band edge emissions outside restricted bands at 5850 MHz, 40 MHz channel, 24 dBi antenna, ch1, BPSK, PTP application



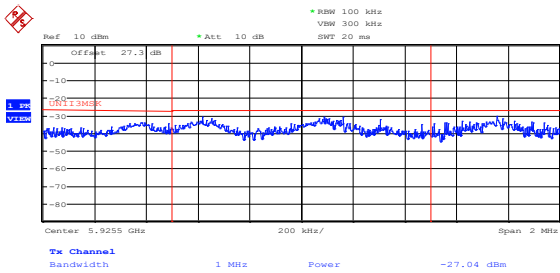
Date: 24.NOV.2016 16:08:52

Figure 8.4-350: Upper FCC band edge emissions outside restricted bands at 5925 MHz, 40 MHz channel, 24 dBi antenna, ch1, BPSK, PTP application



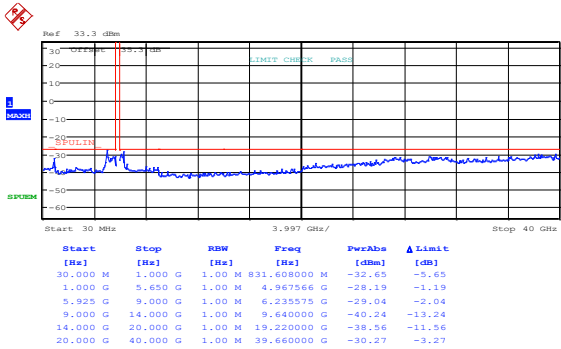
Date: 24.NOV.2016 16:10:50

Figure 8.4-351: Upper FCC band edge emissions outside restricted bands at 5850 MHz, 40 MHz channel, 24 dBi antenna, ch1, 256-QAM, PTP application



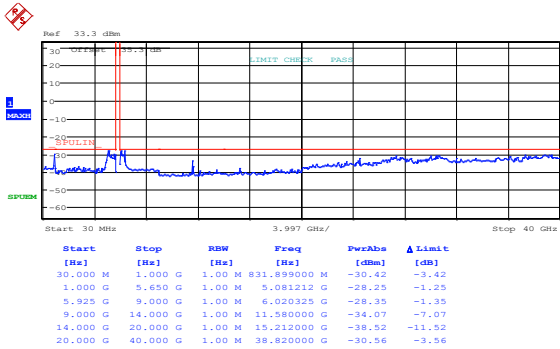
Date: 24.NOV.2016 16:10:09

Figure 8.4-352: Upper FCC band edge emissions outside restricted bands at 5925 MHz, 40 MHz channel, 24 dBi antenna, ch1, 256-QAM, PTP application



Date: 25.NOV.2016 14:02:08

Figure 8.4-353: Spurious emissions outside restricted bands, 10 MHz channel, 32 dBi antenna, low channel, cho, BPSK, PTP application

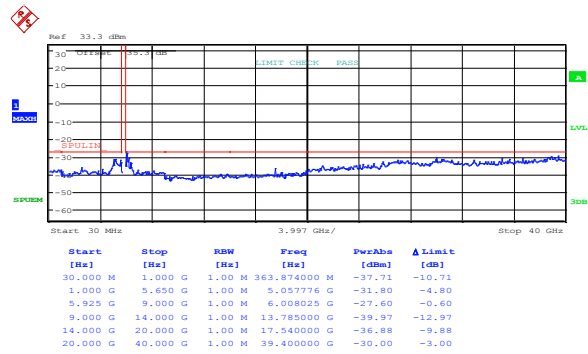


Date: 25.NOV.2016 14:22:20

Figure 8.4-354: Spurious emissions outside restricted bands, 10 MHz channel, 32 dBi antenna, cho, mid channel, BPSK, PTP application

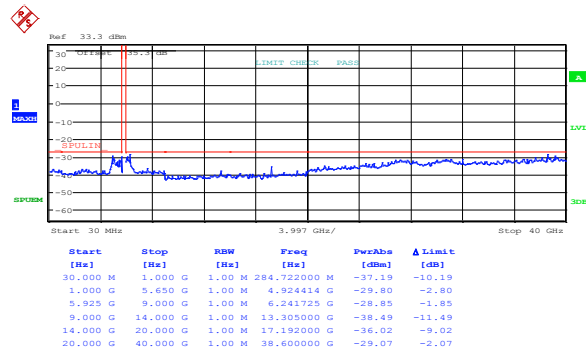
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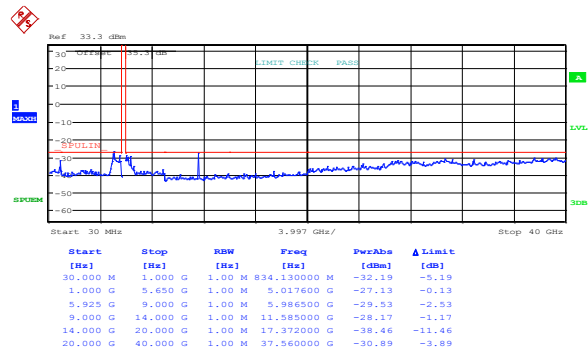
Date: 25.NOV.2016 14:07:45

Figure 8.4-355: Spurious emissions outside restricted bands, 10 MHz channel, 32 dBi antenna, high channel, cho, BPSK, PTP application



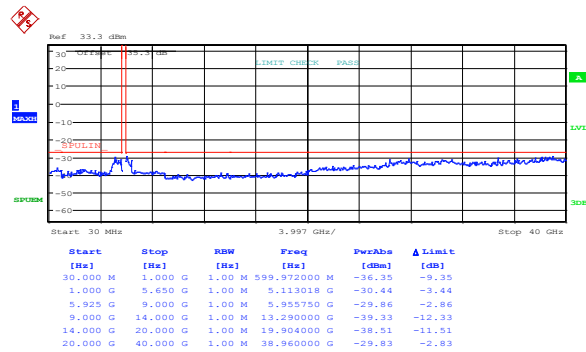
Date: 25.NOV.2016 14:00:51

Figure 8.4-356: Spurious emissions outside restricted bands, 10 MHz channel, 32 dBi antenna, ch1, low channel, BPSK, PTP application



Date: 25.NOV.2016 14:21:37

Figure 8.4-357: Spurious emissions outside restricted bands, 10 MHz channel, 32 dBi antenna, mid channel, ch1, BPSK, PTP application

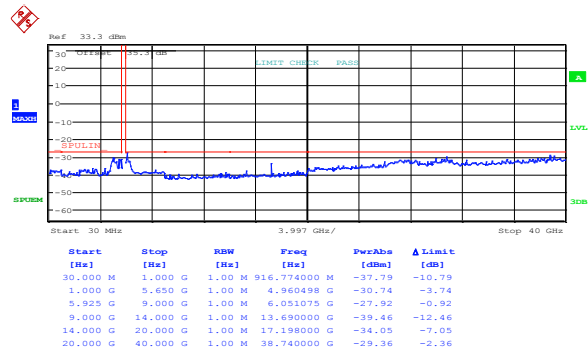


Date: 25.NOV.2016 13:57:50

Figure 8.4-358: Spurious emissions outside restricted bands, 10 MHz channel, 32 dBi antenna, ch1, high channel, BPSK, PTP application

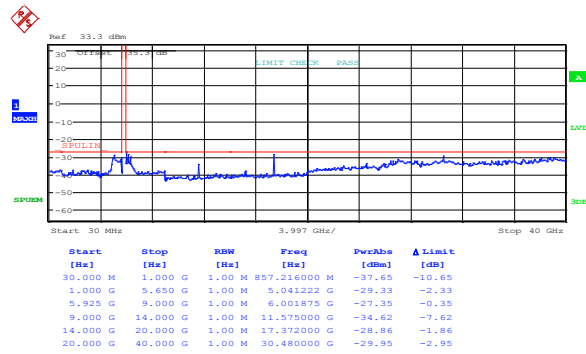
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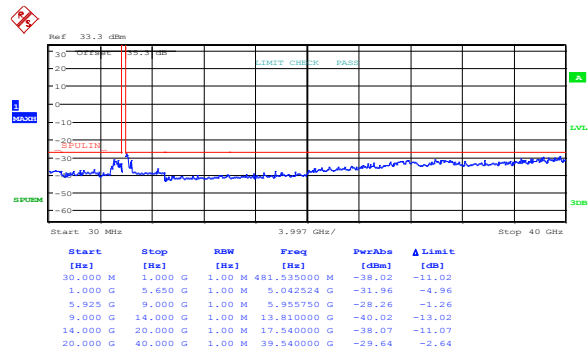
Date: 25.NOV.2016 14:01:46

Figure 8.4-359: Spurious emissions outside restricted bands, 10 MHz channel, 32 dBi antenna, low channel, cho, 256-QAM, PTP application



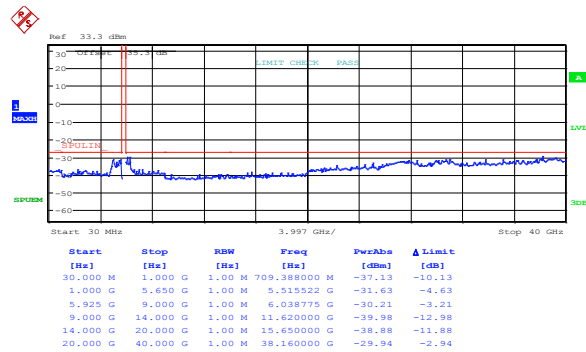
Date: 25.NOV.2016 14:22:48

Figure 8.4-360: Spurious emissions outside restricted bands, 10 MHz channel, 32 dBi antenna, cho, mid channel, 256-QAM, PTP application



Date: 25.NOV.2016 14:07:23

Figure 8.4-361: Spurious emissions outside restricted bands, 10 MHz channel, 32 dBi antenna, high channel, cho, 256-QAM, PTP application

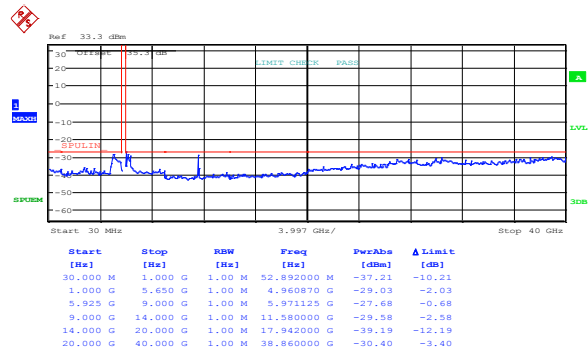


Date: 25.NOV.2016 14:01:13

Figure 8.4-362: Spurious emissions outside restricted bands, 10 MHz channel, 32 dBi antenna, ch1, low channel, 256-QAM, PTP application

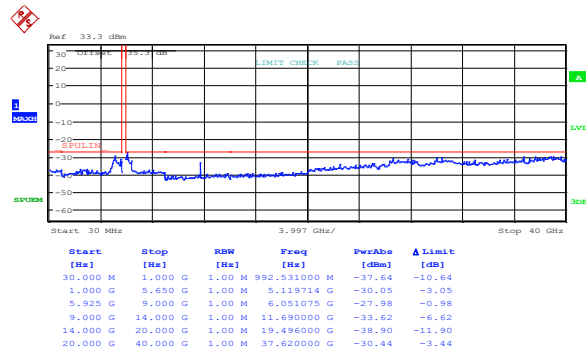
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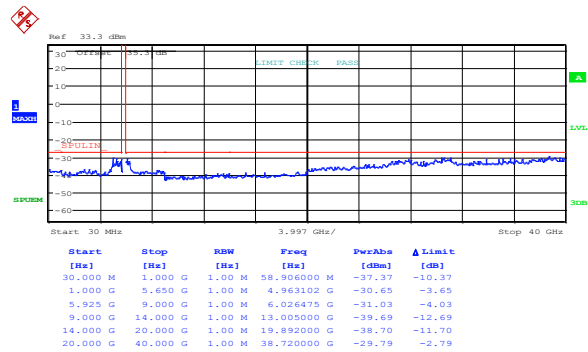
Date: 25.NOV.2016 14:21:01

Figure 8.4-363: Spurious emissions outside restricted bands, 10 MHz channel, 32 dBi antenna, mid channel, ch1, 256-QAM, PTP application



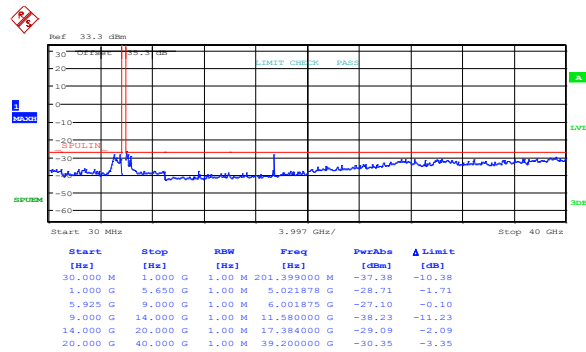
Date: 25.NOV.2016 13:58:58

Figure 8.4-364: Spurious emissions outside restricted bands, 10 MHz channel, 32 dBi antenna, ch1, high channel, 256-QAM, PTP application



Date: 25.NOV.2016 14:13:43

Figure 8.4-365: Spurious emissions outside restricted bands, 20 MHz channel, 32 dBi antenna, low channel, cho, BPSK, PTP application

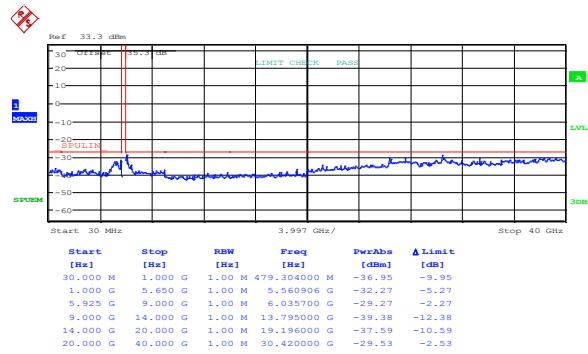


Date: 25.NOV.2016 14:12:59

Figure 8.4-366: Spurious emissions outside restricted bands, 20 MHz channel, 32 dBi antenna, cho, mid channel, BPSK, PTP application

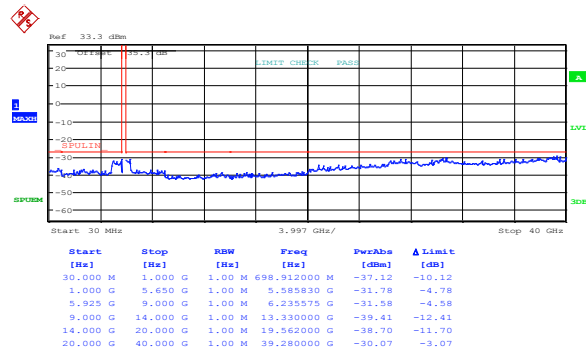
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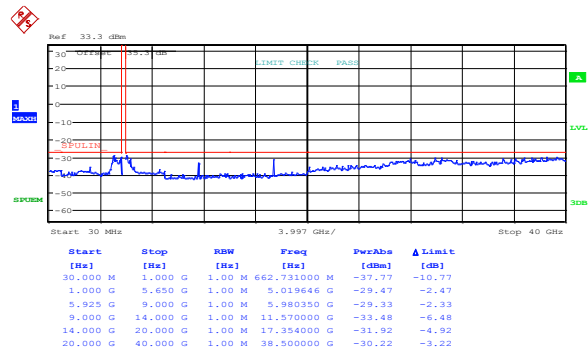
Date: 25.NOV.2016 14:09:53

Figure 8.4-367: Spurious emissions outside restricted bands, 20 MHz channel, 32 dBi antenna, high channel, cho, BPSK, PTP application



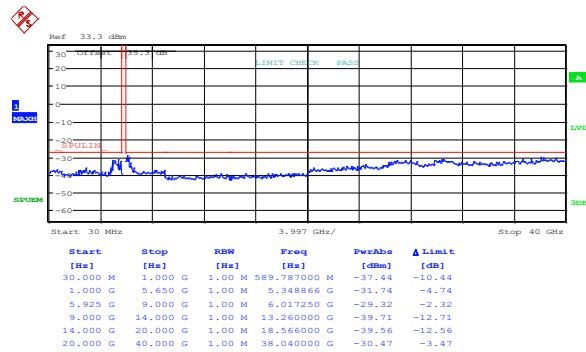
Date: 25.NOV.2016 14:16:18

Figure 8.4-368: Spurious emissions outside restricted bands, 20 MHz channel, 32 dBi antenna, ch1, low channel, BPSK, PTP application



Date: 25.NOV.2016 14:17:59

Figure 8.4-369: Spurious emissions outside restricted bands, 20 MHz channel, 32 dBi antenna, mid channel, ch1, BPSK, PTP application

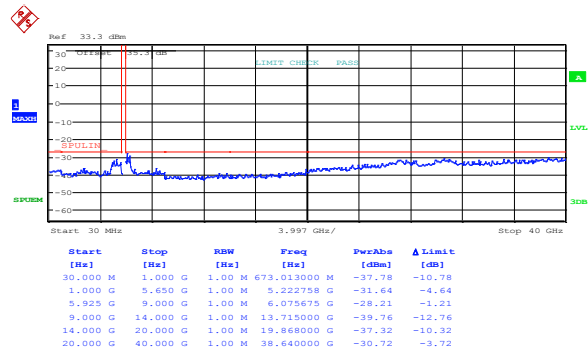


Date: 25.NOV.2016 14:18:54

Figure 8.4-370: Spurious emissions outside restricted bands, 20 MHz channel, 32 dBi antenna, ch1, high channel, BPSK, PTP application

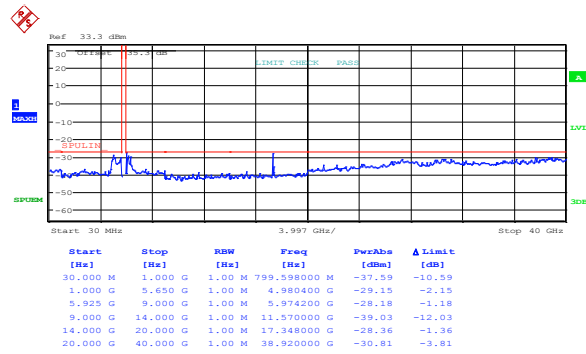
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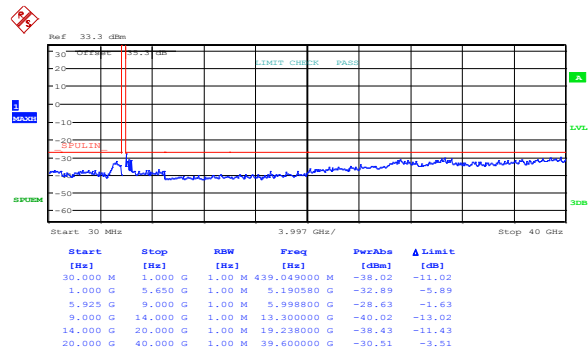
Date: 25.NOV.2016 14:14:06

Figure 8.4-371: Spurious emissions outside restricted bands, 20 MHz channel, 32 dBi antenna, low channel, cho, 256-QAM, PTP application



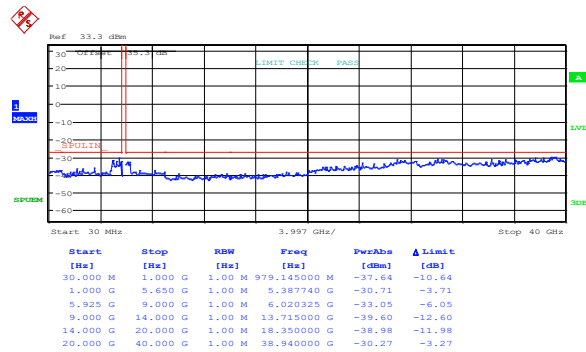
Date: 25.NOV.2016 14:12:30

Figure 8.4-372: Spurious emissions outside restricted bands, 20 MHz channel, 32 dBi antenna, cho, mid channel, 256-QAM, PTP application



Date: 25.NOV.2016 14:10:45

Figure 8.4-373: Spurious emissions outside restricted bands, 20 MHz channel, 32 dBi antenna, high channel, cho, 256-QAM, PTP application

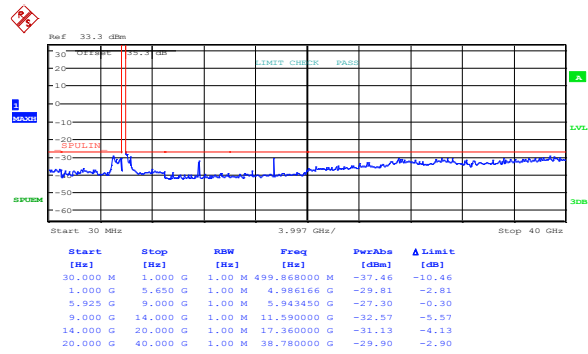


Date: 25.NOV.2016 14:14:40

Figure 8.4-374: Spurious emissions outside restricted bands, 20 MHz channel, 32 dBi antenna, ch1, low channel, 256-QAM, PTP application

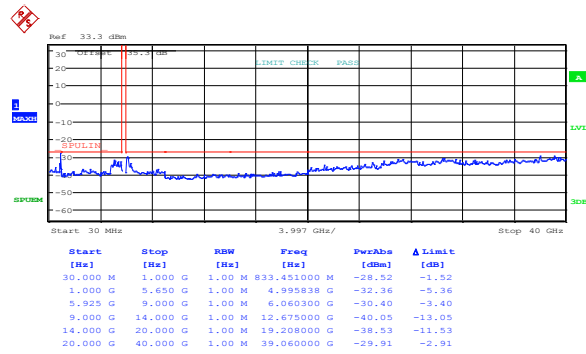
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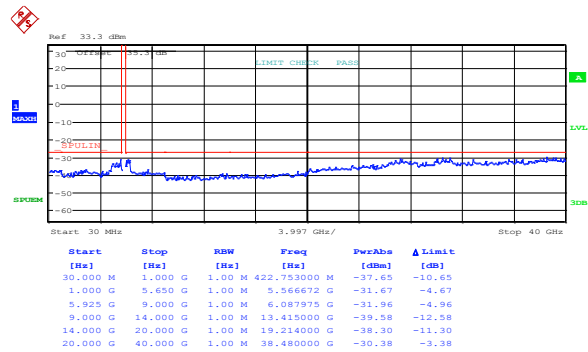
Date: 25.NOV.2016 14:17:23

Figure 8.4-375: Spurious emissions outside restricted bands, 20 MHz channel, 32 dBi antenna, mid channel, ch1, 256-QAM, PTP application



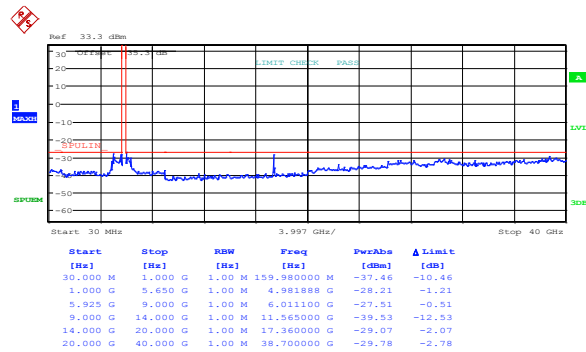
Date: 25.NOV.2016 14:19:22

Figure 8.4-376: Spurious emissions outside restricted bands, 20 MHz channel, 32 dBi antenna, ch1, high channel, 256-QAM, PTP application



Date: 25.NOV.2016 14:27:03

Figure 8.4-377: Spurious emissions outside restricted bands, 40 MHz channel, 32 dBi antenna, low channel, cho, BPSK, PTP application

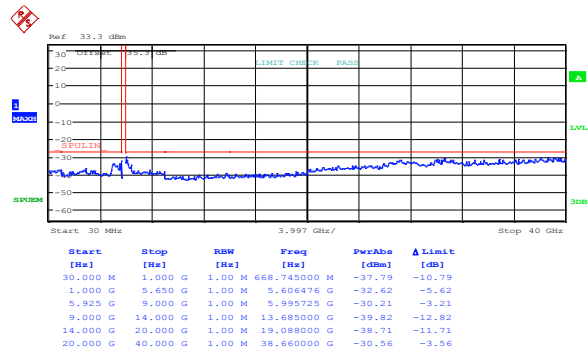


Date: 25.NOV.2016 14:30:16

Figure 8.4-378: Spurious emissions outside restricted bands, 40 MHz channel, 32 dBi antenna, cho, mid channel, BPSK, PTP application

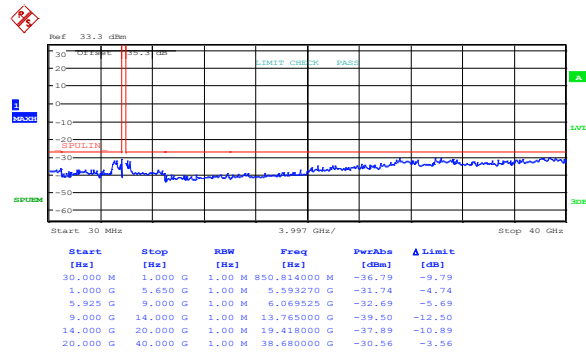
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Test name
Specification

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FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
FCC Part 15 Subpart E and RSS-247 Issue 1



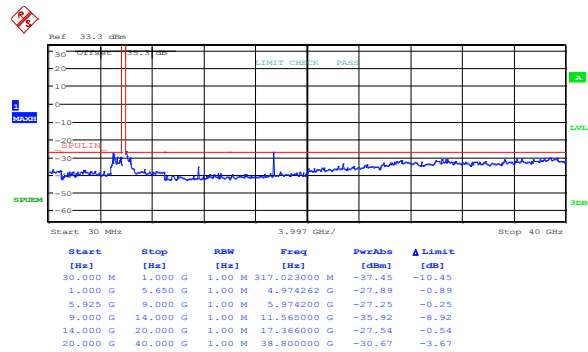
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Figure 8.4-379: Spurious emissions outside restricted bands, 40 MHz channel, 32 dBi antenna, high channel, cho, BPSK, PTP application



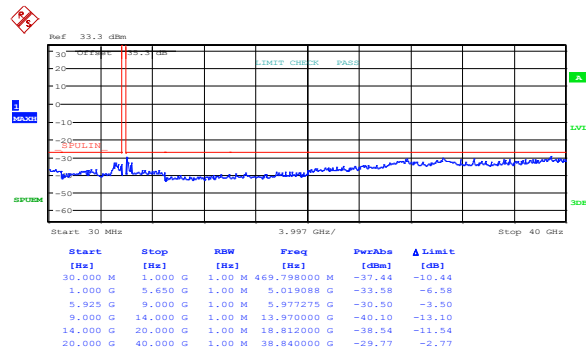
Date: 25.NOV.2016 14:46:34

Figure 8.4-380: Spurious emissions outside restricted bands, 40 MHz channel, 32 dBi antenna, ch1, low channel, BPSK, PTP application



Date: 25.NOV.2016 14:36:24

Figure 8.4-381: Spurious emissions outside restricted bands, 40 MHz channel, 32 dBi antenna, mid channel, ch1, BPSK, PTP application

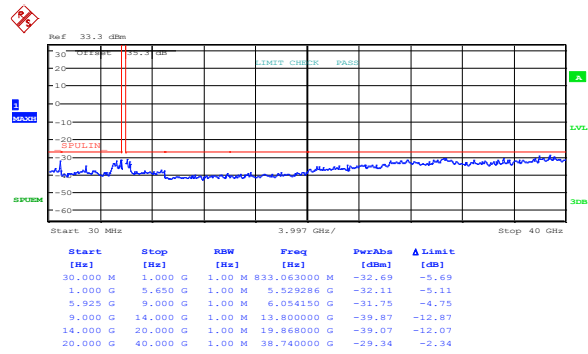


Date: 25.NOV.2016 14:32:34

Figure 8.4-382: Spurious emissions outside restricted bands, 40 MHz channel, 32 dBi antenna, ch1, high channel, BPSK, PTP application

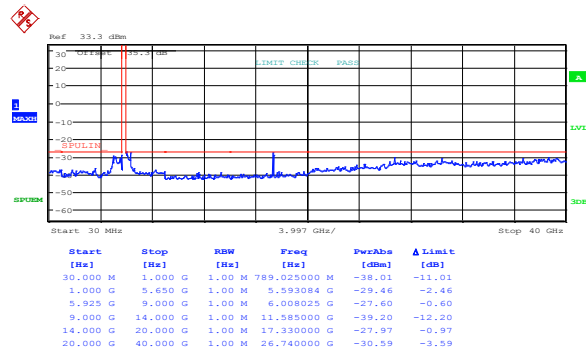
Section 8
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FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
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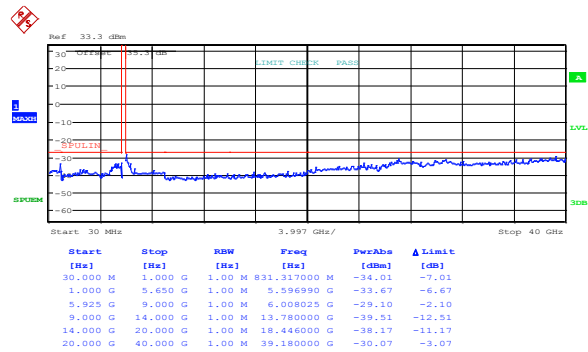
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Figure 8.4-383: Spurious emissions outside restricted bands, 40 MHz channel, 32 dBi antenna, low channel, cho, 256-QAM, PTP application



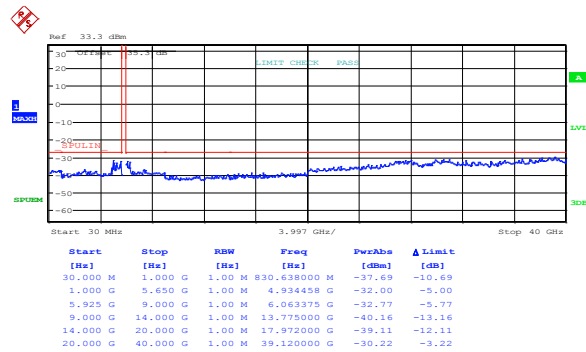
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Figure 8.4-384: Spurious emissions outside restricted bands, 40 MHz channel, 32 dBi antenna, cho, mid channel, 256-QAM, PTP application



Date: 25.NOV.2016 14:31:31

Figure 8.4-385: Spurious emissions outside restricted bands, 40 MHz channel, 32 dBi antenna, high channel, cho, 256-QAM, PTP application

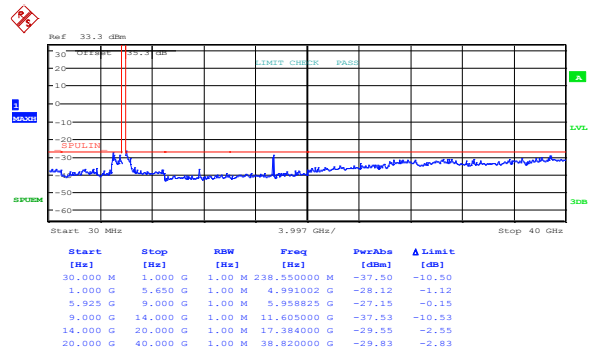


Date: 25.NOV.2016 14:47:57

Figure 8.4-386: Spurious emissions outside restricted bands, 40 MHz channel, 32 dBi antenna, ch1, low channel, 256-QAM, PTP application

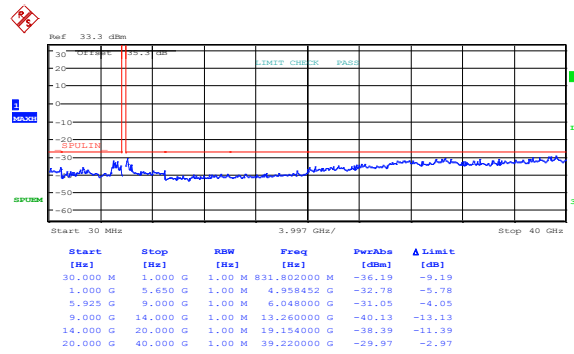
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Test name
Specification

Testing data
FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
FCC Part 15 Subpart E and RSS-247 Issue 1



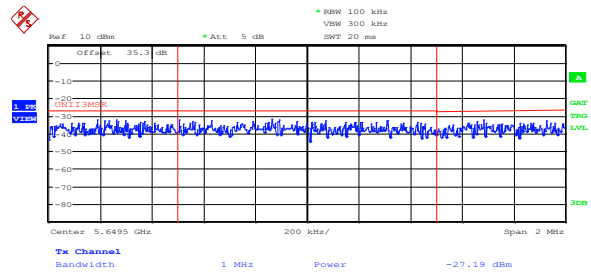
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Figure 8.4-387: Spurious emissions outside restricted bands, 40 MHz channel, 32 dBi antenna, mid channel, ch1, 256-QAM, PTP application



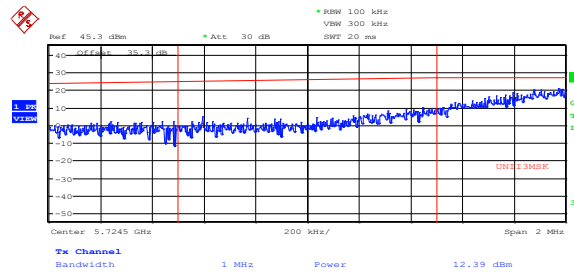
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Figure 8.4-388: Spurious emissions outside restricted bands, 40 MHz channel, 32 dBi antenna, ch1, high channel, 256-QAM, PTP application



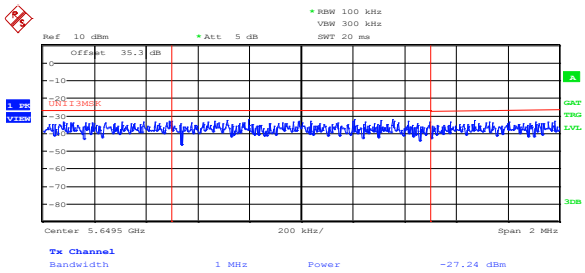
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Figure 8.4-389: Lower FCC band edge emissions outside restricted bands at 5650 MHz, 10 MHz channel, 32 dBi antenna, cho, BPSK, PTP application



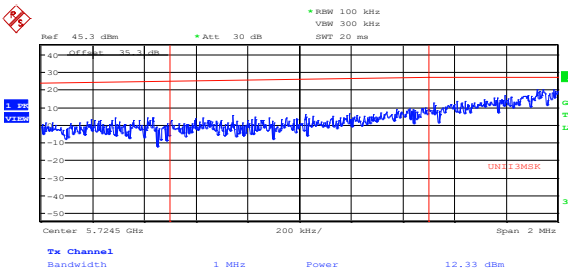
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Figure 8.4-390: Lower FCC band edge emissions outside restricted bands at 5725 MHz, 10 MHz channel, 32 dBi antenna, cho, BPSK, PTP application



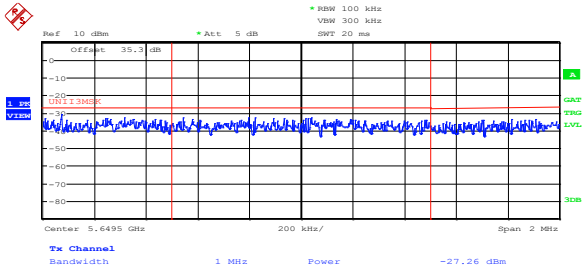
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Figure 8.4-391: Lower FCC band edge emissions outside restricted bands at 5650 MHz, 10 MHz channel, 32 dBi antenna, cho, 256-QAM, PTP application



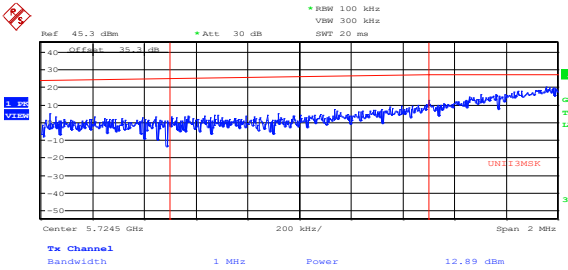
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Figure 8.4-392: Lower FCC band edge emissions outside restricted bands at 5725 MHz, 10 MHz channel, 32 dBi antenna, cho, 256-QAM, PTP application



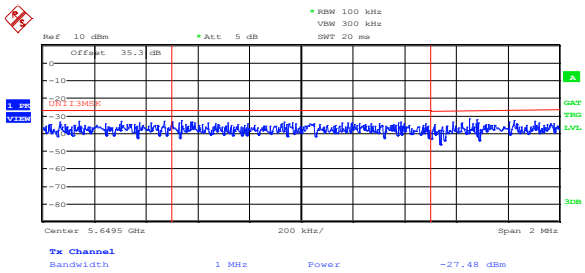
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Figure 8.4-393: Lower FCC band edge emissions outside restricted bands at 5650 MHz, 10 MHz channel, 32 dBi antenna, ch1, BPSK, PTP application



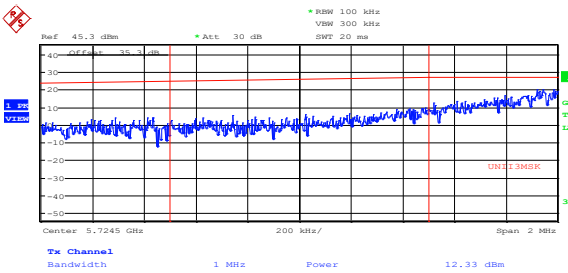
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Figure 8.4-394: Lower FCC band edge emissions outside restricted bands at 5725 MHz, 10 MHz channel, 32 dBi antenna, ch1, BPSK, PTP application



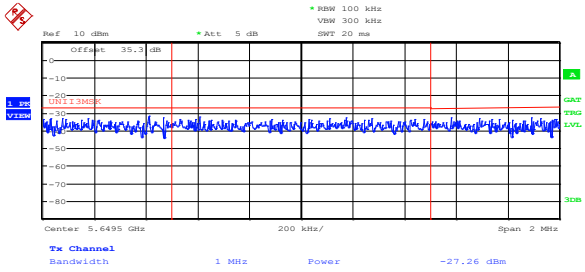
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Figure 8.4-395: Lower FCC band edge emissions outside restricted bands at 5650 MHz, 10 MHz channel, 32 dBi antenna, ch1, 256-QAM, PTP application



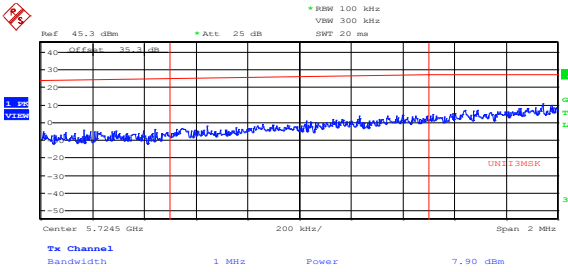
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Figure 8.4-396: Lower FCC band edge emissions outside restricted bands at 5725 MHz, 10 MHz channel, 32 dBi antenna, ch1, 256-QAM, PTP application



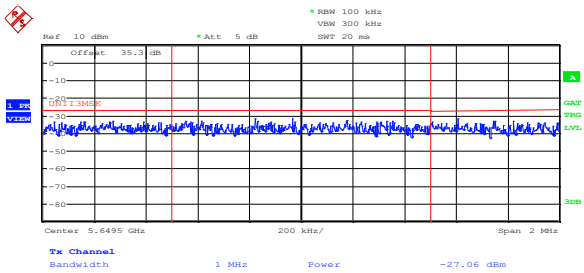
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Figure 8.4-397: Lower FCC band edge emissions outside restricted bands at 5650 MHz, 20 MHz channel, 32 dBi antenna, cho, BPSK, PTP application



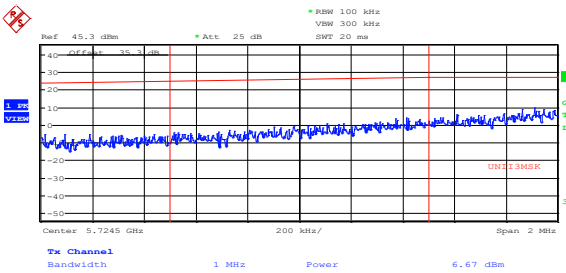
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Figure 8.4-398: Lower FCC band edge emissions outside restricted bands at 5725 MHz, 20 MHz channel, 32 dBi antenna, cho, BPSK, PTP application



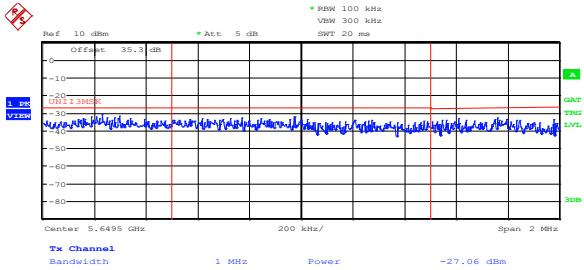
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Figure 8.4-399: Lower FCC band edge emissions outside restricted bands at 5650 MHz, 20 MHz channel, 32 dBi antenna, cho, 256-QAM, PTP application



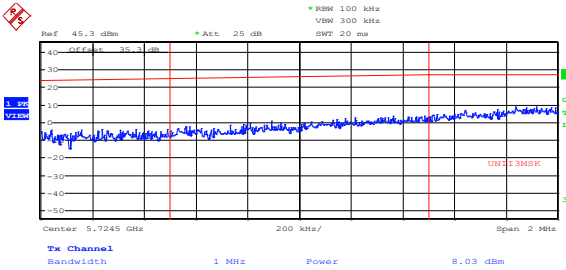
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Figure 8.4-400: Lower FCC band edge emissions outside restricted bands at 5725 MHz, 20 MHz channel, 32 dBi antenna, cho, 256-QAM, PTP application



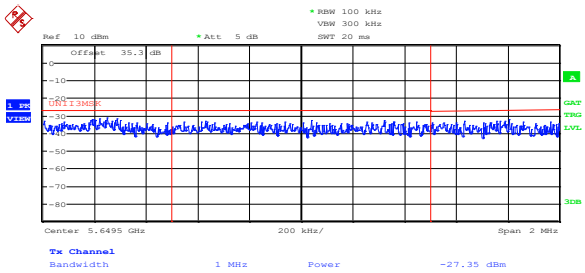
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Figure 8.4-401: Lower FCC band edge emissions outside restricted bands at 5650 MHz, 20 MHz channel, 32 dBi antenna, ch1, BPSK, PTP application



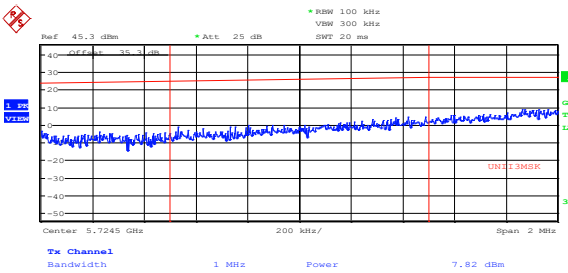
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Figure 8.4-402: Lower FCC band edge emissions outside restricted bands at 5725 MHz, 20 MHz channel, 32 dBi antenna, ch1, BPSK, PTP application



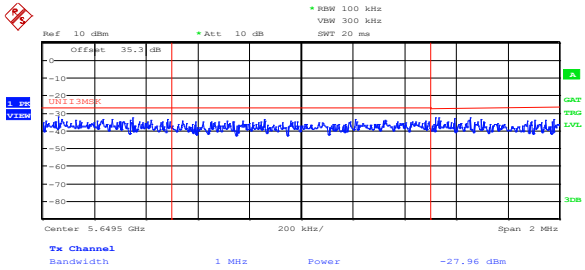
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Figure 8.4-403: Lower FCC band edge emissions outside restricted bands at 5650 MHz, 20 MHz channel, 32 dBi antenna, ch1, 256-QAM, PTP application



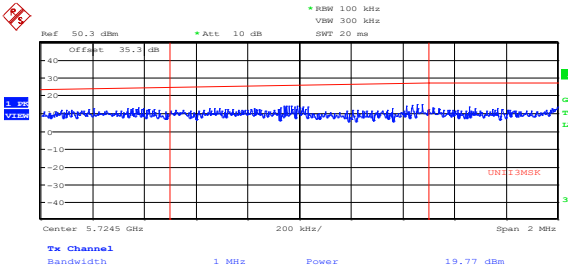
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Figure 8.4-404: Lower FCC band edge emissions outside restricted bands at 5725 MHz, 20 MHz channel, 32 dBi antenna, ch1, 256-QAM, PTP application



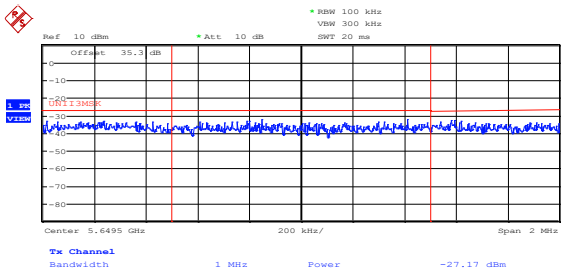
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Figure 8.4-405: Lower FCC band edge emissions outside restricted bands at 5650 MHz, 40 MHz channel, 32 dBi antenna, cho, BPSK, PTP application



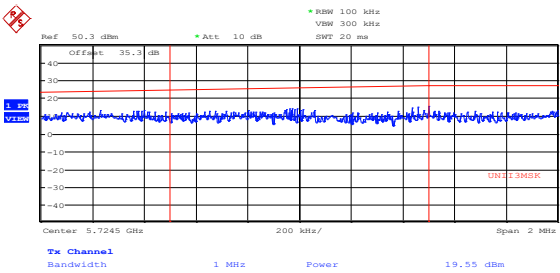
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Figure 8.4-406: Lower FCC band edge emissions outside restricted bands at 5725 MHz, 40 MHz channel, 32 dBi antenna, cho, BPSK, PTP application



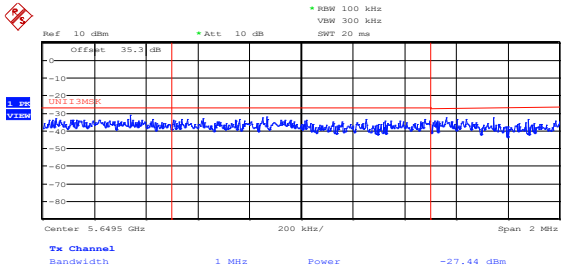
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Figure 8.4-407: Lower FCC band edge emissions outside restricted bands at 5650 MHz, 40 MHz channel, 32 dBi antenna, cho, 256-QAM, PTP application



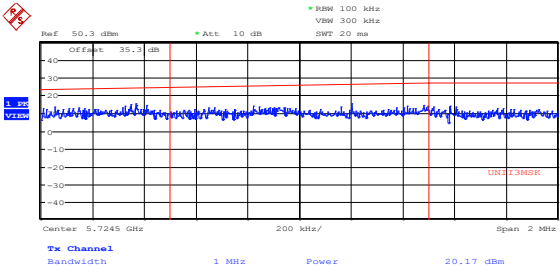
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Figure 8.4-408: Lower FCC band edge emissions outside restricted bands at 5725 MHz, 40 MHz channel, 32 dBi antenna, cho, 256-QAM, PTP application



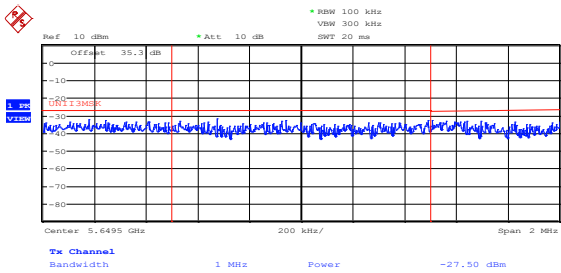
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Figure 8.4-409: Lower FCC band edge emissions outside restricted bands at 5650 MHz, 40 MHz channel, 32 dBi antenna, ch1, BPSK, PTP application



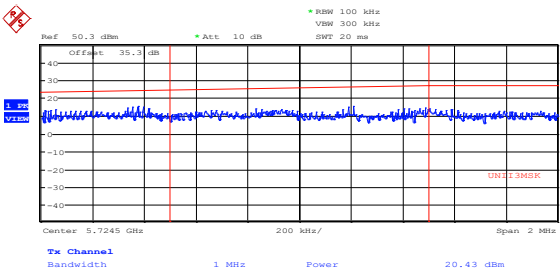
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Figure 8.4-410: Lower FCC band edge emissions outside restricted bands at 5725 MHz, 40 MHz channel, 32 dBi antenna, ch1, BPSK, PTP application



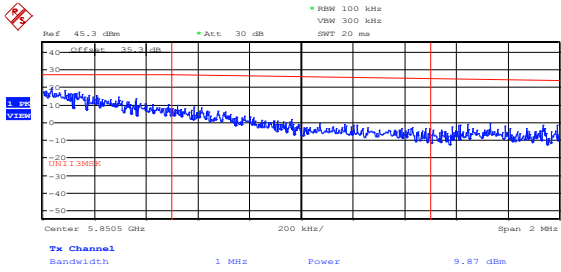
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Figure 8.4-411: Lower FCC band edge emissions outside restricted bands at 5650 MHz, 40 MHz channel, 32 dBi antenna, ch1, 256-QAM, PTP application



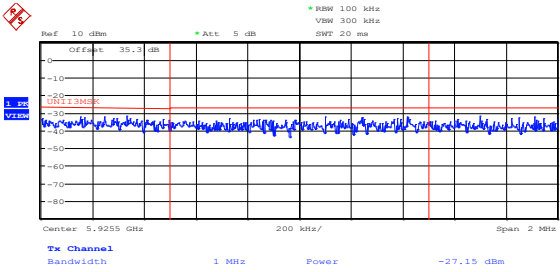
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Figure 8.4-412: Lower FCC band edge emissions outside restricted bands at 5725 MHz, 40 MHz channel, 32 dBi antenna, ch1, 256-QAM, PTP application



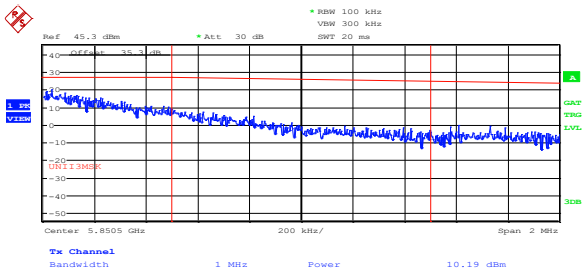
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Figure 8.4-413: Upper FCC band edge emissions outside restricted bands at 5850 MHz, 10 MHz channel, 32 dBi antenna, cho, BPSK, PTP application



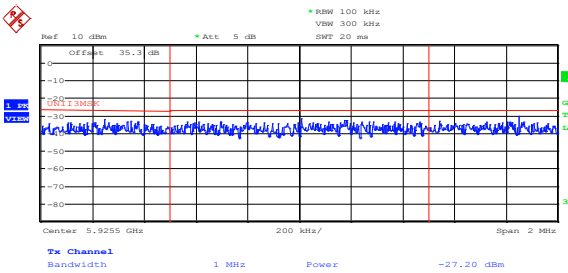
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Figure 8.4-414: Upper FCC band edge emissions outside restricted bands at 5925 MHz, 10 MHz channel, 32 dBi antenna, cho, BPSK, PTP application



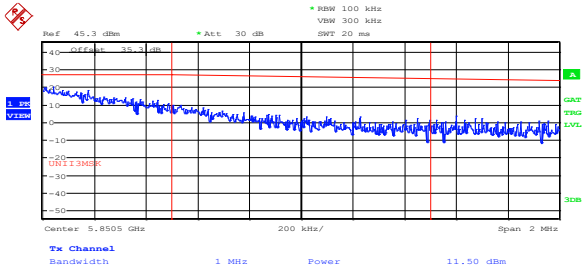
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Figure 8.4-415: Upper FCC band edge emissions outside restricted bands at 5850 MHz, 10 MHz channel, 32 dBi antenna, cho, 256-QAM, PTP application



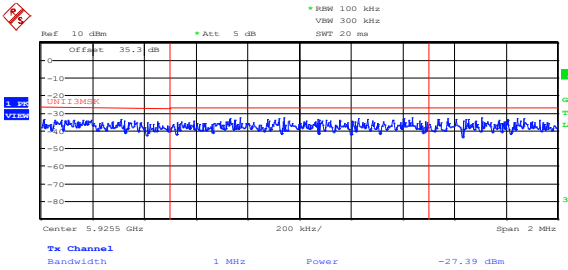
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Figure 8.4-416: Upper FCC band edge emissions outside restricted bands at 5925 MHz, 10 MHz channel, 32 dBi antenna, cho, 256-QAM, PTP application



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Figure 8.4-417: Upper FCC band edge emissions outside restricted bands at 5850 MHz, 10 MHz channel, 32 dBi antenna, ch1, BPSK, PTP application

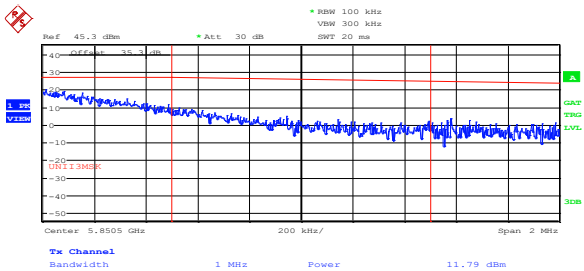


Date: 24.NOV.2016 17:01:30

Figure 8.4-418: Upper FCC band edge emissions outside restricted bands at 5925 MHz, 10 MHz channel, 32 dBi antenna, ch1, BPSK, PTP application

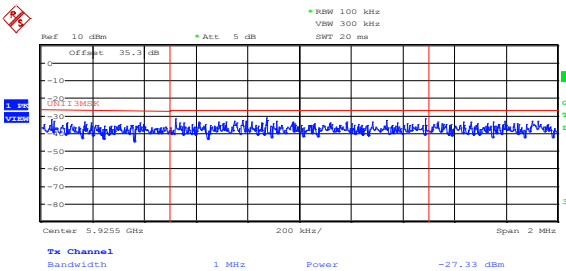
Section 8
Test name
Specification

Testing data
FCC 15.407(b) and RSS-247 6.2.4 (2) Spurious (out-of-band) emissions
FCC Part 15 Subpart E and RSS-247 Issue 1



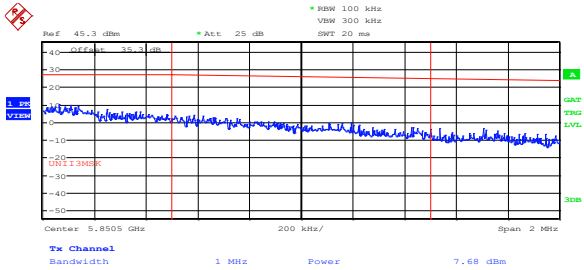
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Figure 8.4-419: Upper FCC band edge emissions outside restricted bands at 5850 MHz, 10 MHz channel, 32 dBi antenna, ch1, 256-QAM, PTP application



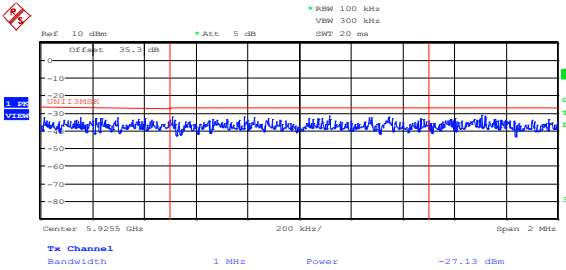
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Figure 8.4-420: Upper FCC band edge emissions outside restricted bands at 5925 MHz, 10 MHz channel, 32 dBi antenna, ch1, 256-QAM, PTP application



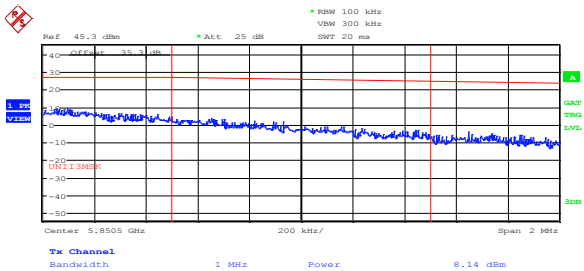
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Figure 8.4-421: Upper FCC band edge emissions outside restricted bands at 5850 MHz, 20 MHz channel, 32 dBi antenna, cho, BPSK, PTP application



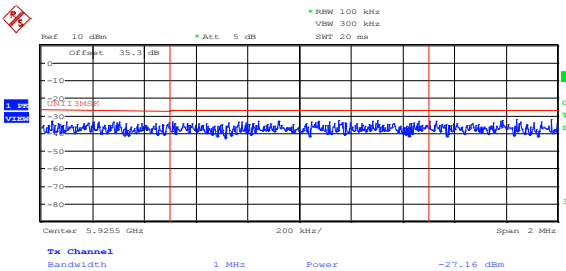
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Figure 8.4-422: Upper FCC band edge emissions outside restricted bands at 5925 MHz, 20 MHz channel, 32 dBi antenna, cho, BPSK, PTP application



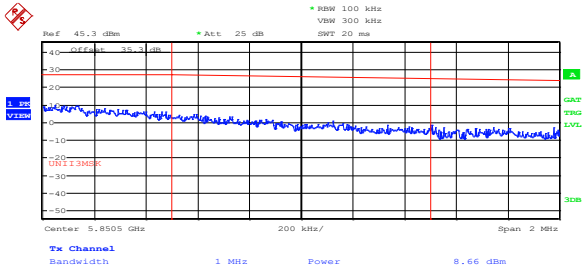
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Figure 8.4-423: Upper FCC band edge emissions outside restricted bands at 5850 MHz, 20 MHz channel, 32 dBi antenna, cho, 256-QAM, PTP application



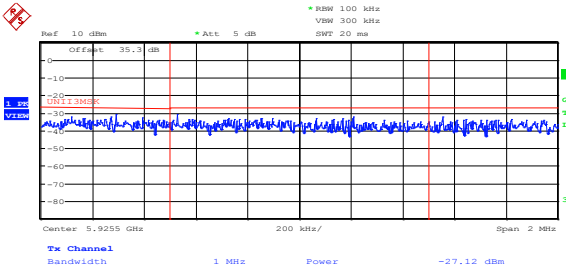
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Figure 8.4-424: Upper FCC band edge emissions outside restricted bands at 5925 MHz, 20 MHz channel, 32 dBi antenna, cho, 256-QAM, PTP application



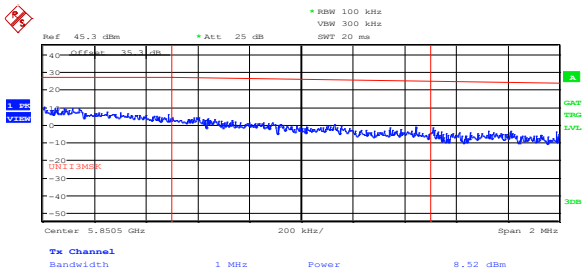
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Figure 8.4-425: Upper FCC band edge emissions outside restricted bands at 5850 MHz, 20 MHz channel, 32 dBi antenna, ch1, BPSK, PTP application



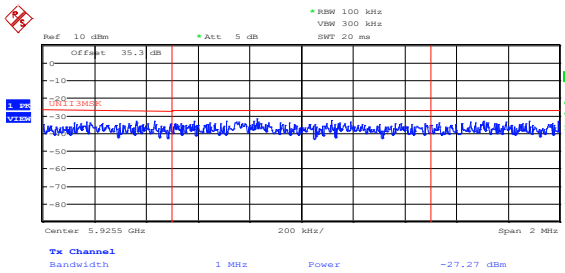
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Figure 8.4-426: Upper FCC band edge emissions outside restricted bands at 5925 MHz, 20 MHz channel, 32 dBi antenna, ch1, BPSK, PTP application



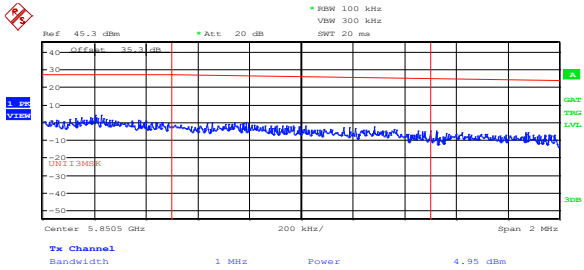
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Figure 8.4-427: Upper FCC band edge emissions outside restricted bands at 5850 MHz, 20 MHz channel, 32 dBi antenna, ch1, 256-QAM, PTP application



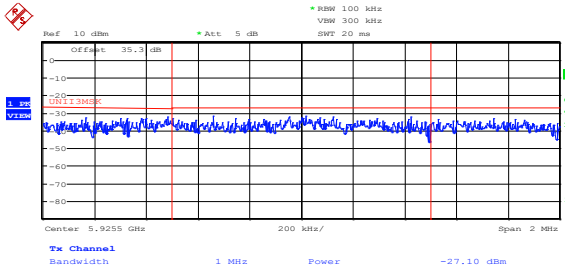
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Figure 8.4-428: Upper FCC band edge emissions outside restricted bands at 5925 MHz, 20 MHz channel, 32 dBi antenna, ch1, 256-QAM, PTP application



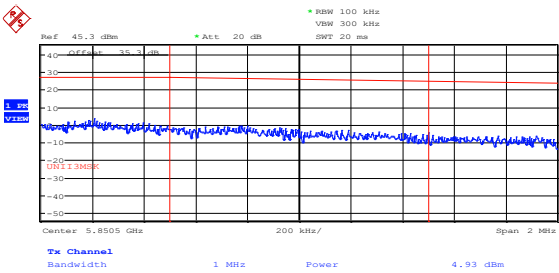
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Figure 8.4-429: Upper FCC band edge emissions outside restricted bands at 5850 MHz, 40 MHz channel, 32 dBi antenna, cho, BPSK, PTP application



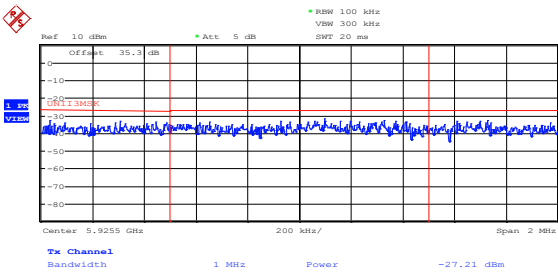
Date: 24.NOV.2016 16:42:23

Figure 8.4-430: Upper FCC band edge emissions outside restricted bands at 5925 MHz, 40 MHz channel, 32 dBi antenna, cho, BPSK, PTP application



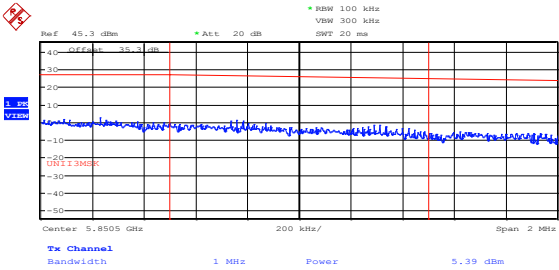
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Figure 8.4-431: Upper FCC band edge emissions outside restricted bands at 5850 MHz, 40 MHz channel, 32 dBi antenna, cho, 256-QAM, PTP application



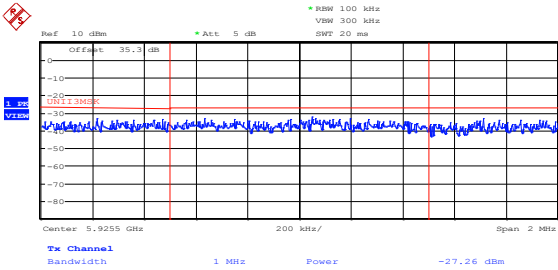
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Figure 8.4-432: Upper FCC band edge emissions outside restricted bands at 5925 MHz, 40 MHz channel, 32 dBi antenna, cho, 256-QAM, PTP application



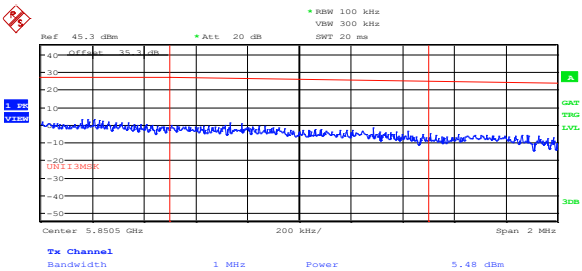
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Figure 8.4-433: Upper FCC band edge emissions outside restricted bands at 5850 MHz, 40 MHz channel, 32 dBi antenna, ch1, BPSK, PTP application



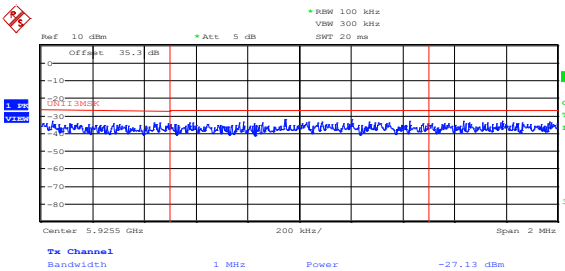
Date: 24.NOV.2016 16:39:31

Figure 8.4-434: Upper FCC band edge emissions outside restricted bands at 5925 MHz, 40 MHz channel, 32 dBi antenna, ch1, BPSK, PTP application



Date: 24.NOV.2016 16:43:43

Figure 8.4-435: Upper FCC band edge emissions outside restricted bands at 5850 MHz, 40 MHz channel, 32 dBi antenna, ch1, 256-QAM, PTP application



Date: 24.NOV.2016 16:39:58

Figure 8.4-436: Upper FCC band edge emissions outside restricted bands at 5925 MHz, 40 MHz channel, 32 dBi antenna, ch1, 256-QAM, PTP application

8.5 FCC 15.407(g) and RSS-Gen 8.11 Frequency stability

8.5.1 Definitions and limits

Manufacturers of U-NII (IC: LE-LAN) devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

8.5.2 Test summary

Test date:	November 20, 2016	Temperature:	21 °C
Test engineer:	Andrey Adelberg	Air pressure:	1008 mbar
Verdict:	Pass	Relative humidity:	31 %

8.5.3 Observations, settings and special notes

Spectrum analyser settings:

Resolution bandwidth:	100 kHz
Video bandwidth:	300 kHz
Detector mode:	Peak
Trace mode:	Max Hold

8.5.4 Test data

Table 8.5-1: Frequency drift measurement

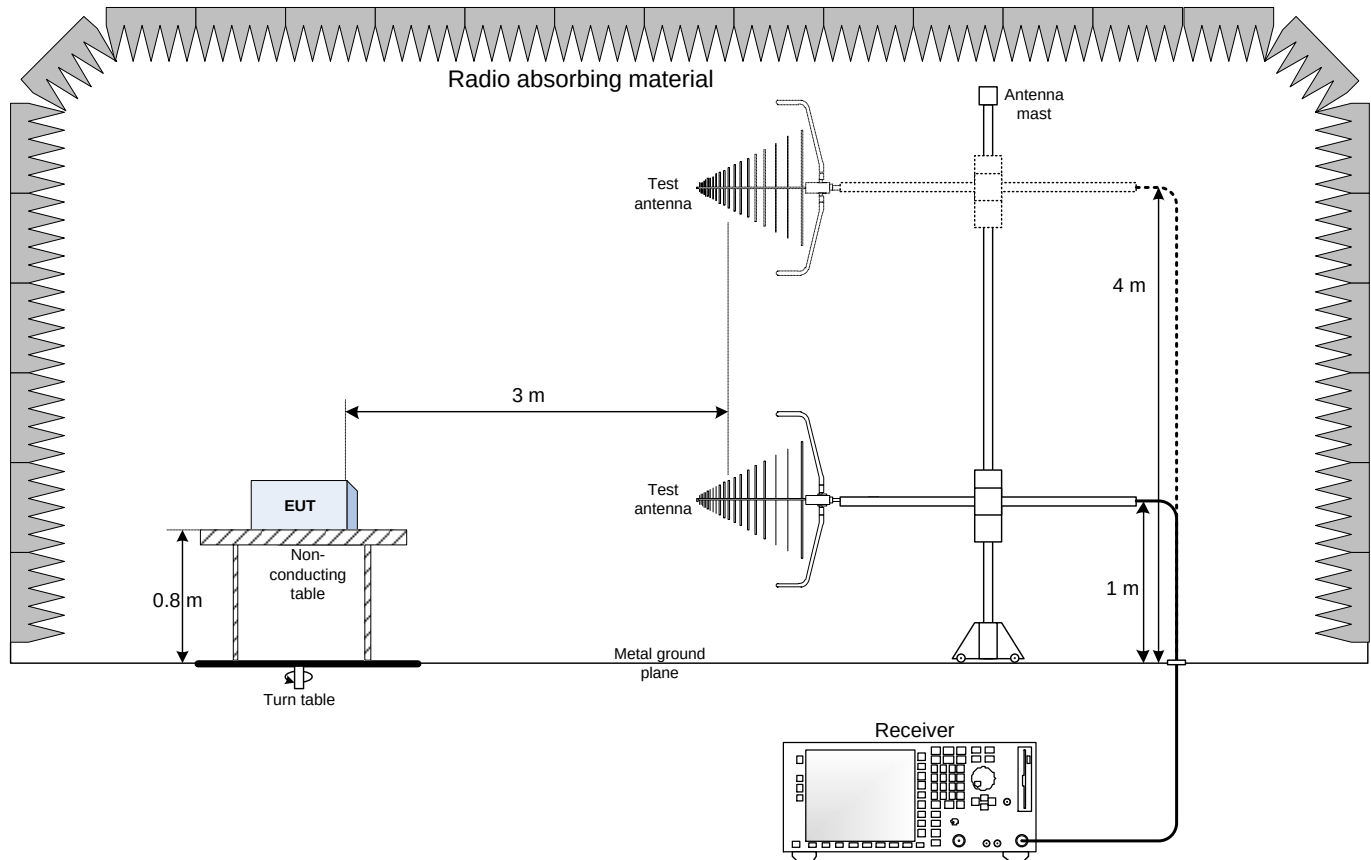
Test conditions	Frequency, GHz	Drift, Hz
+50 °C, Nominal	5.7900112275	-347
+40 °C, Nominal	5.7900113655	-209
+30 °C, Nominal	5.7900115205	-54
+20 °C, +15 %	5.7900116885	114
+20 °C, Nominal	5.7900115745	Reference
+20 °C, -15 %	5.7900116745	100
+10 °C, Nominal	5.7900117335	159
0 °C, Nominal	5.7900117015	127
-10 °C, Nominal	5.7900118755	301
-20 °C, Nominal	5.7900118835	309
-30 °C, Nominal	5.7900119955	421

Minimum lower band edge margin is more than 350 kHz.

Minimum upper band edge margin is more than 370 kHz

Section 9. Block diagrams of test set-ups

9.1 Radiated emissions set-up for frequencies below 1 GHz



9.2 Radiated emissions set-up for frequencies above 1 GHz

