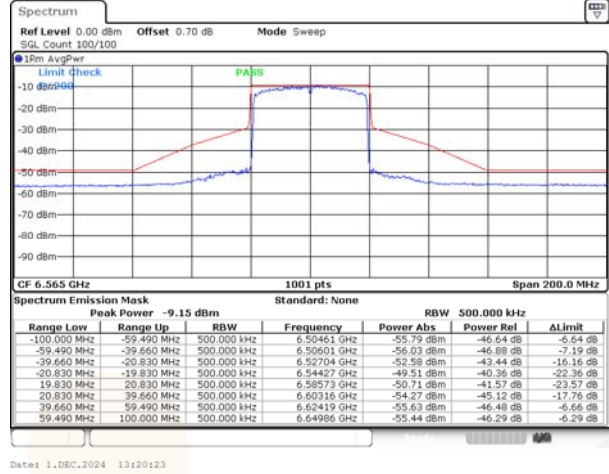
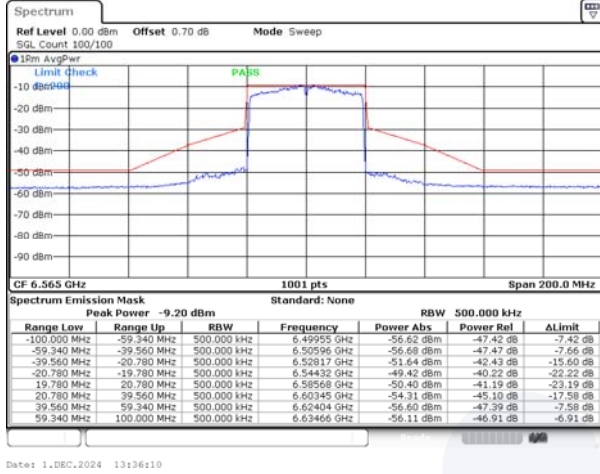


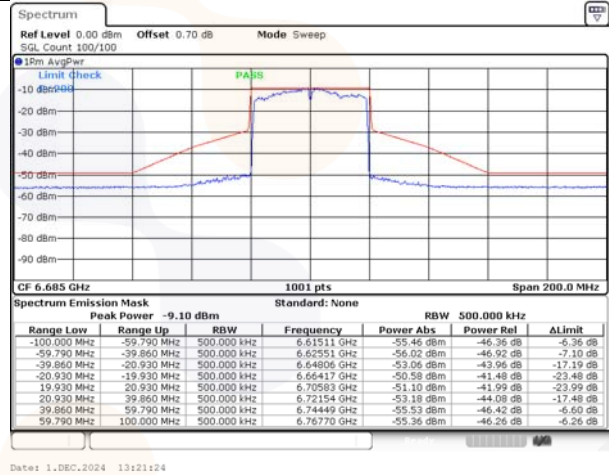
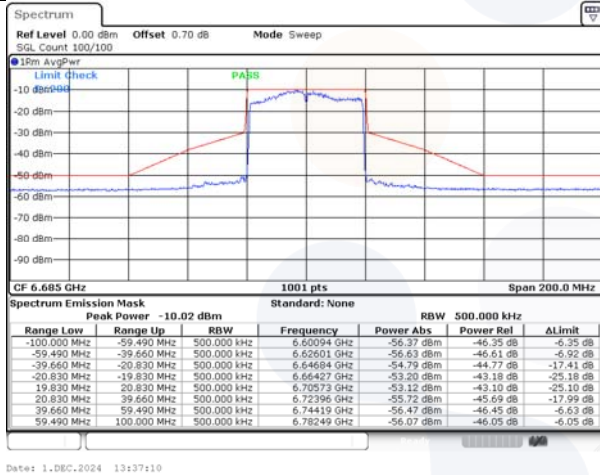
ANT 1

ANT 2

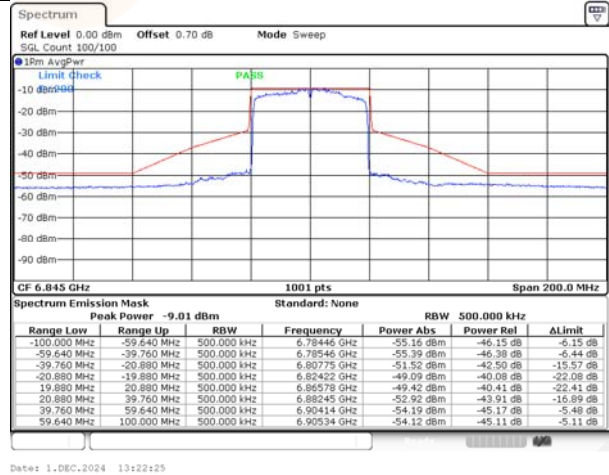
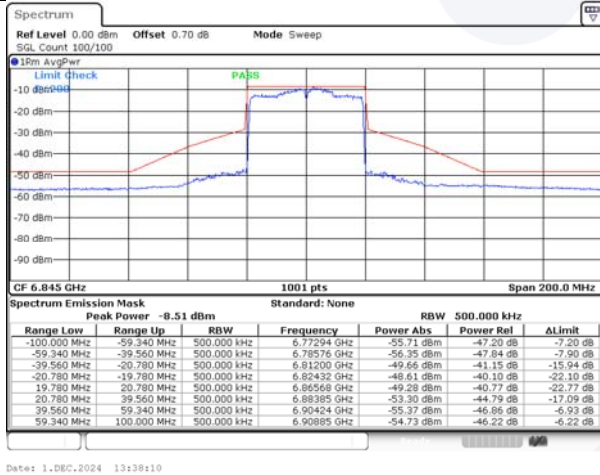
802.11be_EHT40 / SU / Low ch.



802.11be_EHT40 / SU / Mid ch.



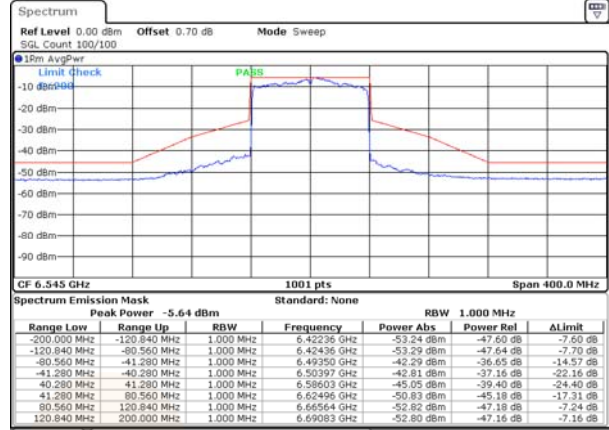
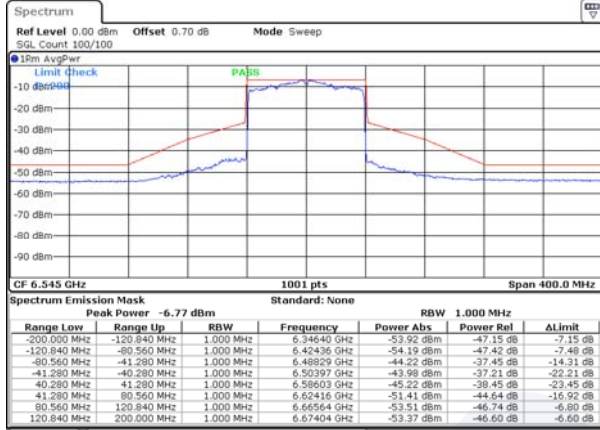
802.11be_EHT40 / SU / High ch.



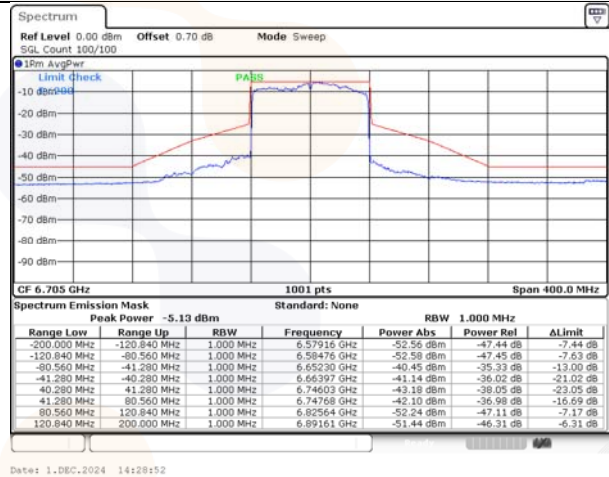
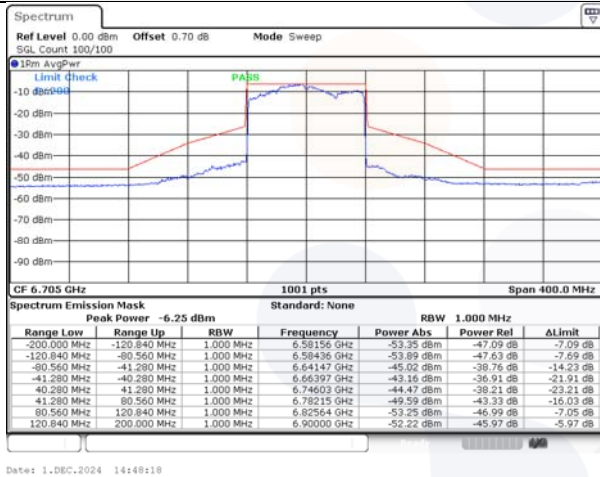
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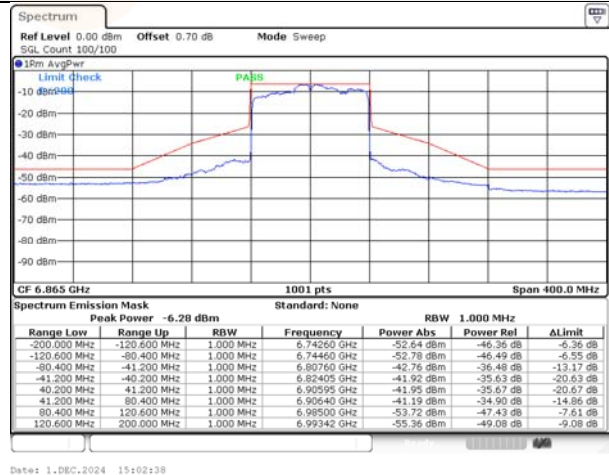
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802.11be_EHT80 / SU / Mid ch.



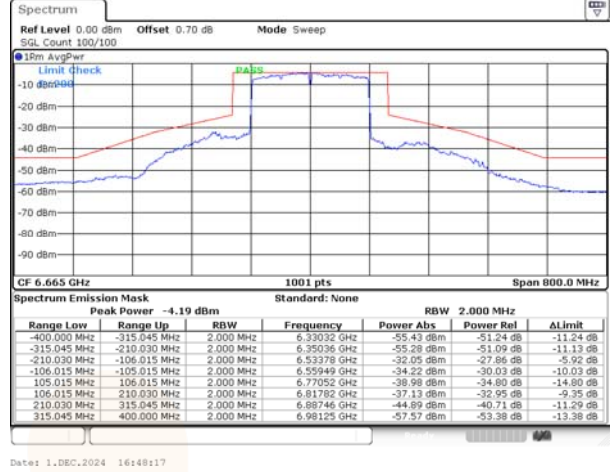
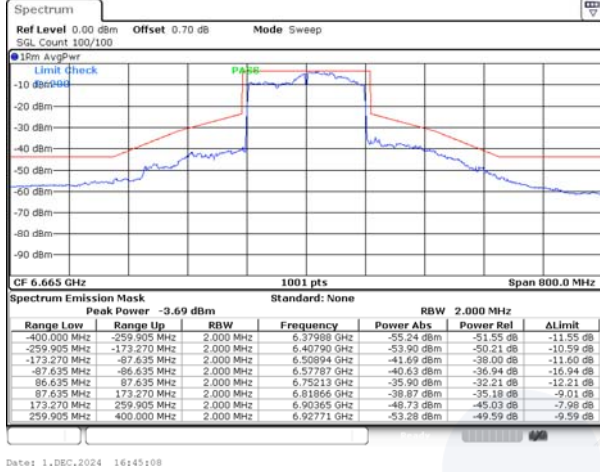
802.11be_EHT80 / SU / High ch.



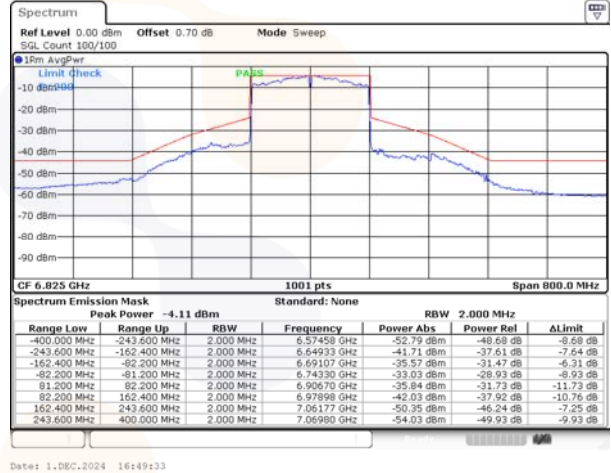
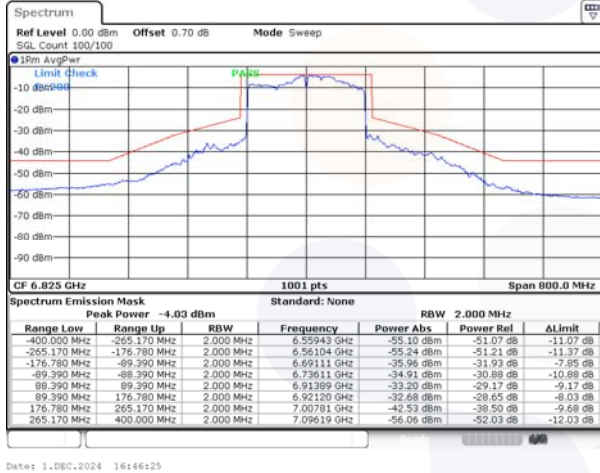
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802.11be_EHT160 / SU / Low ch.



802.11be_EHT160 / SU / High ch.

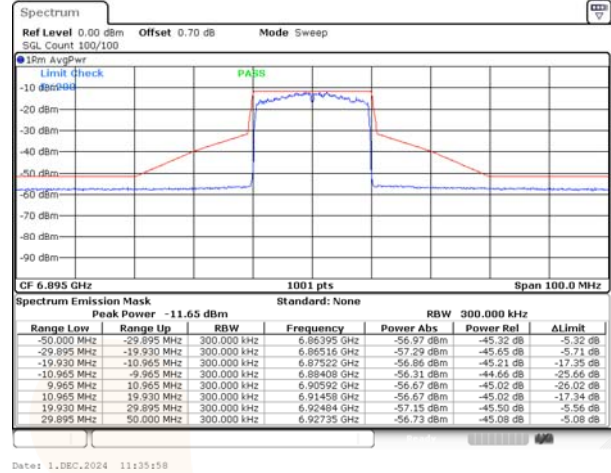
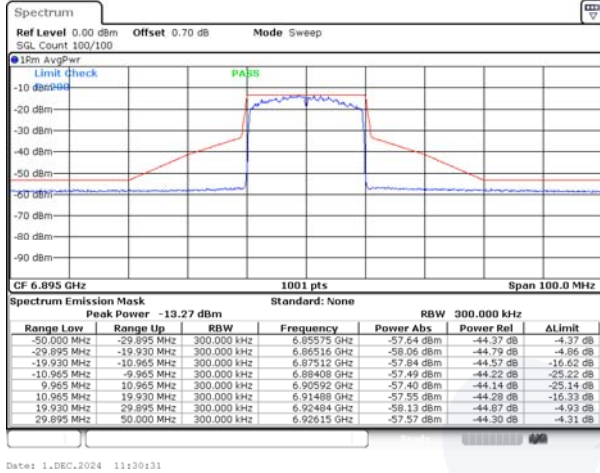


UNII-8 Band

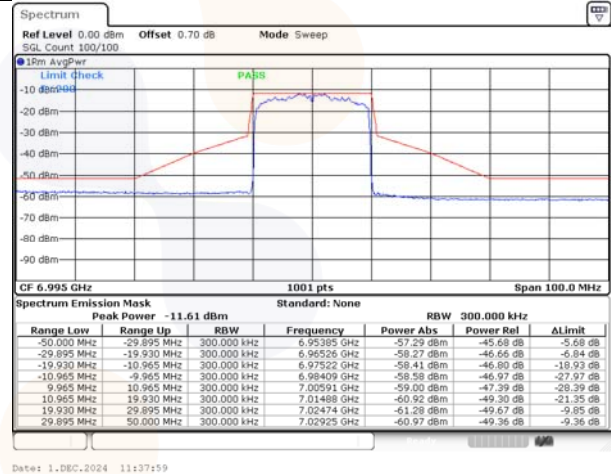
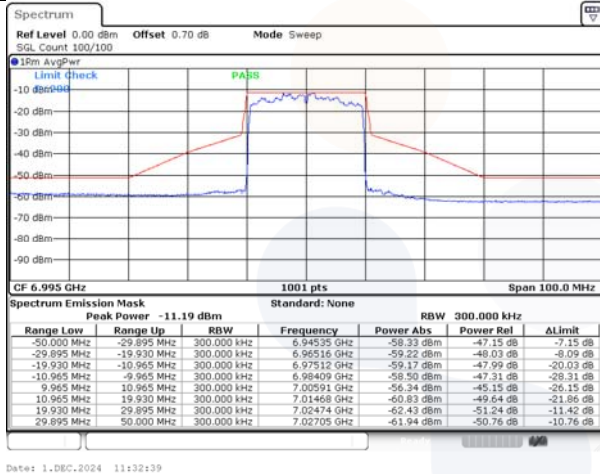
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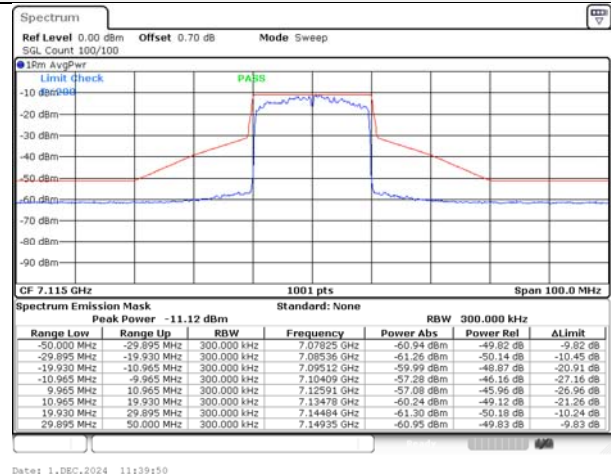
802.11be_EHT20 / SU / Low ch.



802.11be_EHT20 / SU / Mid ch.



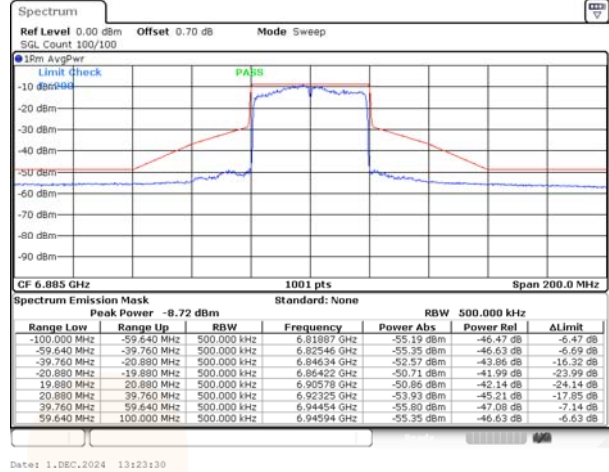
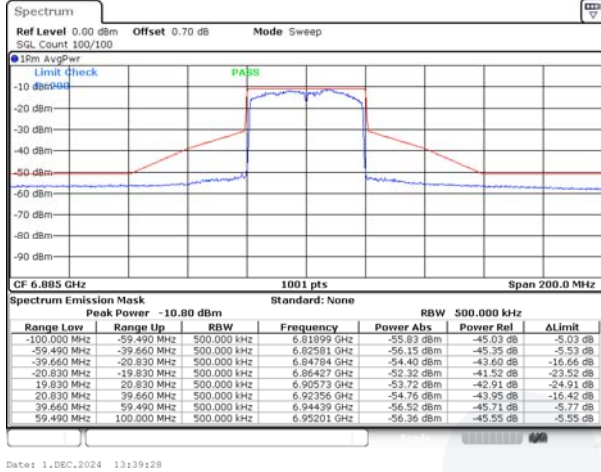
802.11be_EHT20 / SU / High ch.



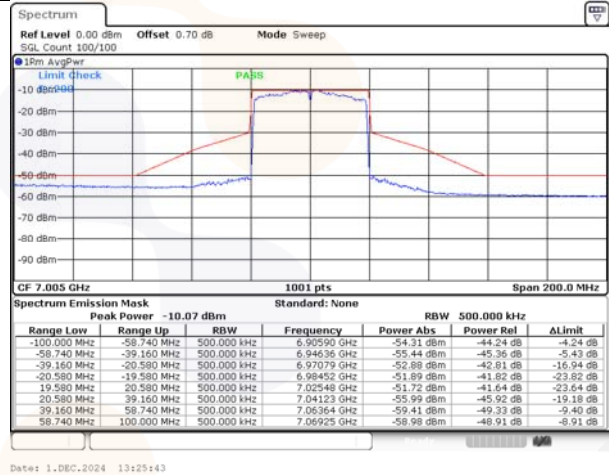
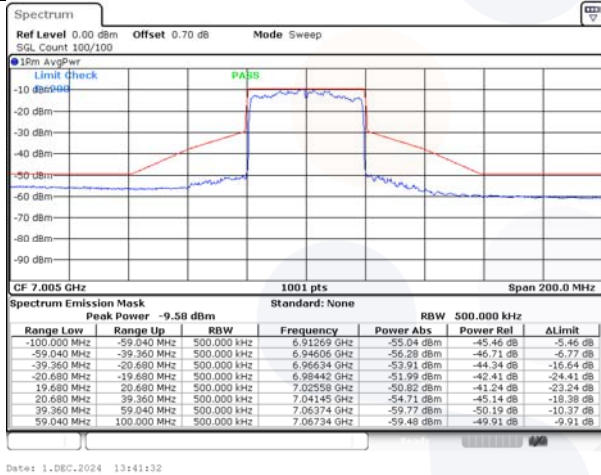
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ANT 2

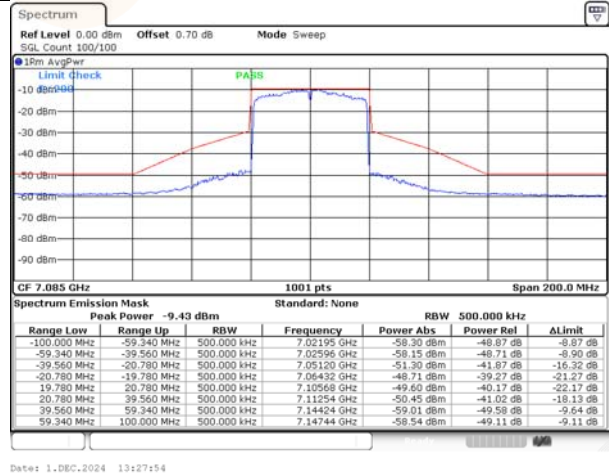
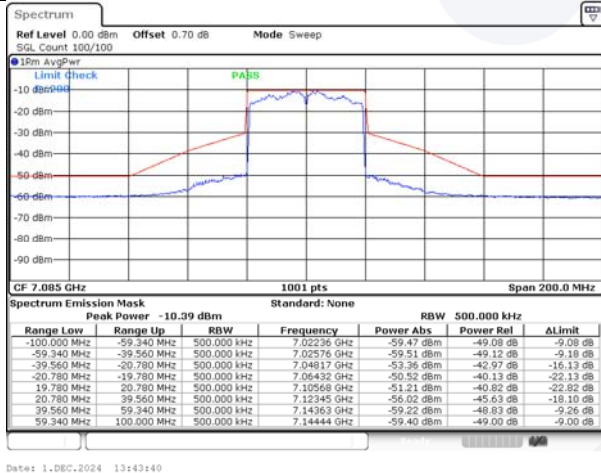
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802.11be_EHT40 / SU / Mid ch.



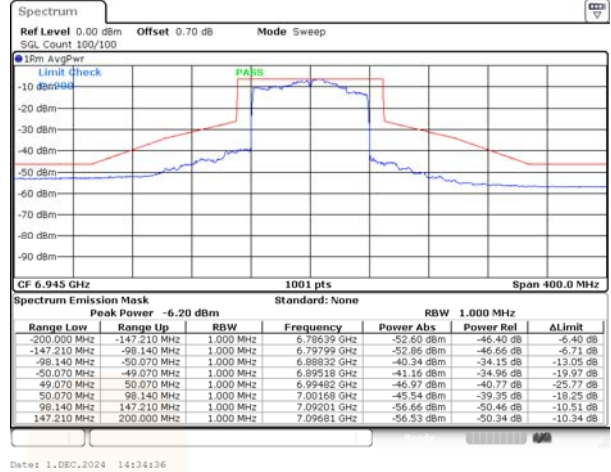
802.11be_EHT40 / SU / High ch.



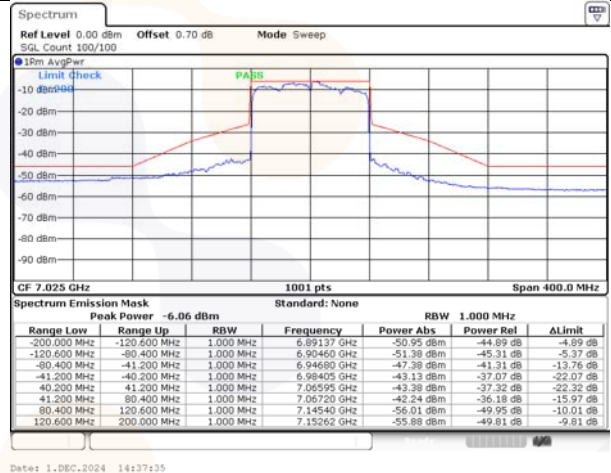
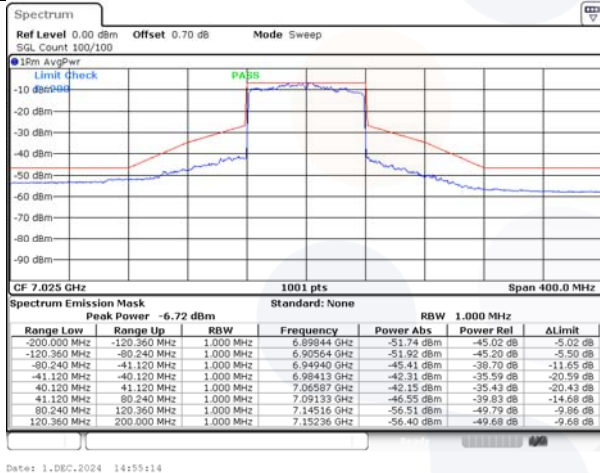
ANT 1

ANT 2

802.11be_EHT80 / SU / Low ch.



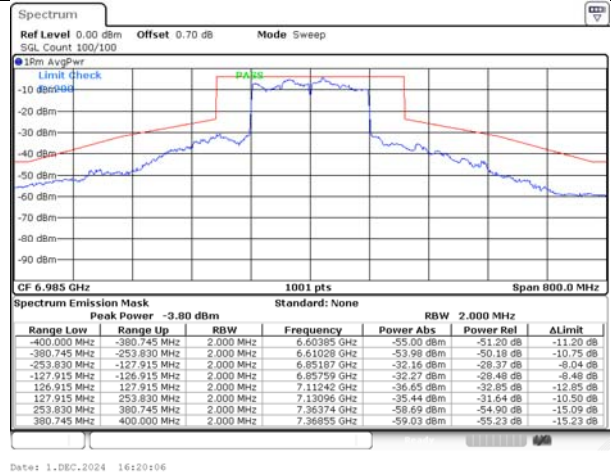
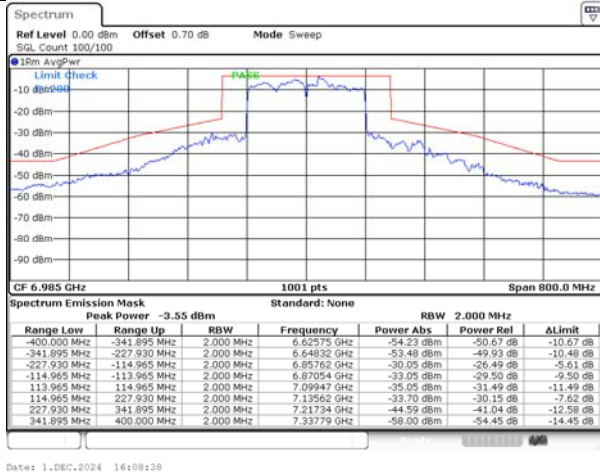
802.11be_EHT80 / SU / High ch.



ANT 1

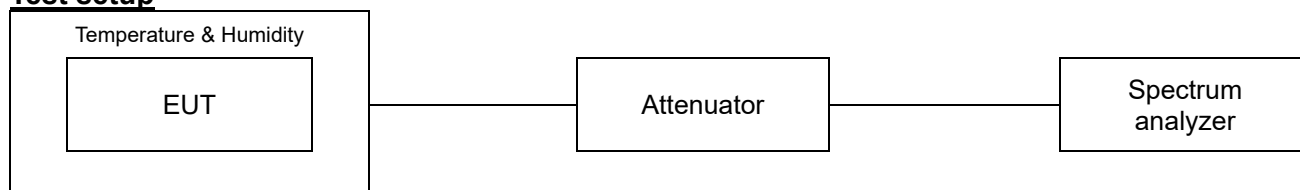
ANT 2

802.11be_EHT160 / SU / Mid ch.



7.5. Frequency stability

Test setup



Limit

According to §15.407(g),

Manufacturers of U-NII 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 users manual.

According to RSS-GEN(6.11),

For licence-exempt devices, the following conditions apply:

- (a) at the temperatures of -20°C (-4°F), +20°C (+68°F) and +50°C (+122°F), and at the manufacturer's rated supply voltage
- (b) at the temperature of +20°C (+68°F) and at ±15% of the manufacturer's rated supply voltage

If the frequency stability limits are only met within a temperature range that is smaller than the range specified in (a) for licensed or licence-exempt devices, the frequency stability requirement will be deemed to be met if the transmitter is automatically prevented from operating outside this smaller temperature range and if the published operating characteristics for the equipment are revised to reflect this restricted temperature range.

If the device contains both licence and licence-exempt transmitter modules, the device's frequency stability shall be measured under the most stringent condition specified in the applicable RSS of the transmitter module.

In addition, if an unmodulated carrier is not available, the method used to measure frequency stability shall be described in the test report.

According to RSS-GEN(8.11),

If the frequency stability of the licence-exempt radio apparatus is not specified in the applicable RSS, the fundamental emissions of the radio apparatus should be kept within at least the central 80% of its permitted operating frequency band in order to minimize the possibility of out-of-band operation. In addition, its occupied bandwidth shall be entirely outside the restricted bands and the prohibited TV bands of 54-72 MHz, 76-88 MHz, 174-216 MHz, and 470-602 MHz, unless otherwise indicated.

Test procedure

ANSI C63.10-2013 - Section 6.8.1

Test results

Test band : UNII-5

Frequency (Hz) : 5 955 000 000

Voltage (%)	Power (V)	Temp. (°C)		Frequency (Hz)	Frequency error (Hz)	Deviation	
						(ppm)	(%)
100	5.00	20(Ref.)	Startup	5 955 002 449	2 449.000	0.41	0.000 041
			2 Minutes	5 955 007 764	7 764.000	1.30	0.000 130
			5 Minutes	5 955 009 740	9 740.000	1.64	0.000 164
			10 Minutes	5 955 011 847	11 847.000	1.99	0.000 199
		-30	Startup	5 954 990 131	-9 869.000	-1.66	-0.000 166
			2 Minutes	5 954 988 526	-11 474.000	-1.93	-0.000 193
			5 Minutes	5 954 987 455	-12 545.000	-2.11	-0.000 211
			10 Minutes	5 954 986 919	-13 081.000	-2.20	-0.000 220
		-20	Startup	5 954 966 208	-33 792.000	-5.67	-0.000 567
			2 Minutes	5 954 965 763	-34 237.000	-5.75	-0.000 575
			5 Minutes	5 954 965 497	-34 503.000	-5.79	-0.000 579
			10 Minutes	5 954 965 398	-34 602.000	-5.81	-0.000 581
		-10	Startup	5 955 017 121	17 121.000	2.88	0.000 288
			2 Minutes	5 955 016 985	16 985.000	2.85	0.000 285
			5 Minutes	5 955 016 887	16 887.000	2.84	0.000 284
			10 Minutes	5 955 016 792	16 792.000	2.82	0.000 282
		0	Startup	5 955 009 648	9 648.000	1.62	0.000 162
			2 Minutes	5 955 008 626	8 626.000	1.45	0.000 145
			5 Minutes	5 955 008 031	8 031.000	1.35	0.000 135
			10 Minutes	5 955 007 624	7 624.000	1.28	0.000 128
		10	Startup	5 954 966 721	-33 279.000	-5.59	-0.000 559
			2 Minutes	5 954 965 516	-34 484.000	-5.79	-0.000 579
			5 Minutes	5 954 964 460	-35 540.000	-5.97	-0.000 597
			10 Minutes	5 954 964 064	-35 936.000	-6.03	-0.000 603
		30	Startup	5 954 970 263	-29 737.000	-4.99	-0.000 499
			2 Minutes	5 954 970 058	-29 942.000	-5.03	-0.000 503
			5 Minutes	5 954 969 591	-30 409.000	-5.11	-0.000 511
			10 Minutes	5 954 969 322	-30 678.000	-5.15	-0.000 515
		40	Startup	5 954 963 709	-36 291.000	-6.09	-0.000 609
			2 Minutes	5 954 964 437	-35 563.000	-5.97	-0.000 597
			5 Minutes	5 954 964 480	-35 520.000	-5.96	-0.000 596
			10 Minutes	5 954 964 491	-35 509.000	-5.96	-0.000 596
		50	Startup	5 954 968 158	-31 842.000	-5.35	-0.000 535
			2 Minutes	5 954 971 203	-28 797.000	-4.84	-0.000 484
			5 Minutes	5 954 971 546	-28 454.000	-4.78	-0.000 478
			10 Minutes	5 954 971 663	-28 337.000	-4.76	-0.000 476
85	4.25	20(Ref.)	Startup	5 955 012 144	12 144.000	2.04	0.000 204
			2 Minutes	5 955 012 642	12 642.000	2.12	0.000 212
			5 Minutes	5 955 012 809	12 809.000	2.15	0.000 215
			10 Minutes	5 955 012 949	12 949.000	2.17	0.000 217
115	5.75	20(Ref.)	Startup	5 955 013 117	13 117.000	2.20	0.000 220
			2 Minutes	5 955 013 222	13 222.000	2.22	0.000 222
			5 Minutes	5 955 013 352	13 352.000	2.24	0.000 224
			10 Minutes	5 955 013 496	13 496.000	2.27	0.000 227

Test band : UNII-6
 Frequency (Hz) : 6 435 000 000

Voltage (%)	Power (V)	Temp. (°C)		Frequency (Hz)	Frequency error (Hz)	Deviation	
						(ppm)	(%)
100	5.00	20(Ref.)	Startup	6 435 004 250	4 250.000	0.66	0.000 066
			2 Minutes	6 435 009 347	9 347.000	1.45	0.000 145
			5 Minutes	6 435 012 130	12 130.000	1.89	0.000 189
			10 Minutes	6 435 014 363	14 363.000	2.23	0.000 223
		-30	Startup	6 434 986 729	-13 271.000	-2.06	-0.000 206
			2 Minutes	6 434 985 565	-14 435.000	-2.24	-0.000 224
			5 Minutes	6 434 984 383	-15 617.000	-2.43	-0.000 243
			10 Minutes	6 434 983 676	-16 324.000	-2.54	-0.000 254
		-20	Startup	6 434 962 467	-37 533.000	-5.83	-0.000 583
			2 Minutes	6 434 962 082	-37 918.000	-5.89	-0.000 589
			5 Minutes	6 434 961 932	-38 068.000	-5.92	-0.000 592
			10 Minutes	6 434 961 784	-38 216.000	-5.94	-0.000 594
		-10	Startup	6 435 018 579	18 579.000	2.89	0.000 289
			2 Minutes	6 435 017 431	17 431.000	2.71	0.000 271
			5 Minutes	6 435 016 921	16 921.000	2.63	0.000 263
			10 Minutes	6 435 016 540	16 540.000	2.57	0.000 257
		0	Startup	6 435 009 348	9 348.000	1.45	0.000 145
			2 Minutes	6 435 007 279	7 279.000	1.13	0.000 113
			5 Minutes	6 435 006 252	6 252.000	0.97	0.000 097
			10 Minutes	6 435 005 667	5 667.000	0.88	0.000 088
		10	Startup	6 434 960 012	-39 988.000	-6.21	-0.000 621
			2 Minutes	6 434 960 725	-39 275.000	-6.10	-0.000 610
			5 Minutes	6 434 961 120	-38 880.000	-6.04	-0.000 604
			10 Minutes	6 434 961 638	-38 362.000	-5.96	-0.000 596
		30	Startup	6 434 967 679	-32 321.000	-5.02	-0.000 502
			2 Minutes	6 434 966 242	-33 758.000	-5.25	-0.000 525
			5 Minutes	6 434 965 820	-34 180.000	-5.31	-0.000 531
			10 Minutes	6 434 965 513	-34 487.000	-5.36	-0.000 536
		40	Startup	6 434 960 519	-39 481.000	-6.14	-0.000 614
			2 Minutes	6 434 961 177	-38 823.000	-6.03	-0.000 603
			5 Minutes	6 434 961 350	-38 650.000	-6.01	-0.000 601
			10 Minutes	6 434 961 441	-38 559.000	-5.99	-0.000 599
		50	Startup	6 434 964 524	-35 476.000	-5.51	-0.000 551
			2 Minutes	6 434 966 811	-33 189.000	-5.16	-0.000 516
			5 Minutes	6 434 968 119	-31 881.000	-4.95	-0.000 495
			10 Minutes	6 434968 969	-31 031.000	-4.82	-0.000 482
85	4.25	20(Ref.)	Startup	6 435 017 959	17 959.000	2.79	0.000 279
			2 Minutes	6 435 018 306	18 306.000	2.84	0.000 284
			5 Minutes	6 435 018 666	18 666.000	2.90	0.000 290
			10 Minutes	6 435 018 968	18 968.000	2.95	0.000 295
115	5.75	20(Ref.)	Startup	6 435 019 301	19 301.000	3.00	0.000 300
			2 Minutes	6435019 606	19 606.000	3.05	0.000 305
			5 Minutes	6435019 952	19 952.000	3.10	0.000 310
			10 Minutes	6435020 283	20 283.000	3.15	0.000 315

Test band : UNII-7
 Frequency (Hz) : 6 535 000 000

Voltage (%)	Power (V)	Temp. (°C)		Frequency (Hz)	Frequency error (Hz)	Deviation	
						(ppm)	(%)
100	5.00	20(Ref.)	Startup	6 535 007 715	7 715.000	1.18	0.000 118
			2 Minutes	6 535 011 617	11 617.000	1.78	0.000 178
			5 Minutes	6 535 013 715	13 715.000	2.10	0.000 210
			10 Minutes	6 535 014 640	14 640.000	2.24	0.000 224
		-30	Startup	6 534 985 162	-14 838.000	-2.27	-0.000 227
			2 Minutes	6 534 983 716	-16 284.000	-2.49	-0.000 249
			5 Minutes	6 534 983 110	-16 890.000	-2.58	-0.000 258
			10 Minutes	6 534 982 786	-17 214.000	-2.63	-0.000 263
		-20	Startup	6 534 961 565	-38 435.000	-5.88	-0.000 588
			2 Minutes	6 534 961 529	-38 471.000	-5.89	-0.000 589
			5 Minutes	6 534 961 433	-38 567.000	-5.90	-0.000 590
			10 Minutes	6 534 961 346	-38 654.000	-5.91	-0.000 591
		-10	Startup	6 535 018 088	18 088.000	2.77	0.000 277
			2 Minutes	6 535 017 753	17 753.000	2.72	0.000 272
			5 Minutes	6 535 017 394	17 394.000	2.66	0.000 266
			10 Minutes	6 535 017 166	17 166.000	2.63	0.000 263
		0	Startup	6 535 007 702	7 702.000	1.18	0.000 118
			2 Minutes	6 535 006 324	6 324.000	0.97	0.000 097
			5 Minutes	6 535 005 880	5 880.000	0.90	0.000 090
			10 Minutes	6 535 005 618	5 618.000	0.86	0.000 086
		10	Startup	6 534 960 085	-39 915.000	-6.11	-0.000 611
			2 Minutes	6 534 962 519	-37 481.000	-5.74	-0.000 574
			5 Minutes	6 534 963 363	-36 637.000	-5.61	-0.000 561
			10 Minutes	6 534 963 922	-36 078.000	-5.52	-0.000 552
		30	Startup	6 534 965 511	-34 489.000	-5.28	-0.000 528
			2 Minutes	6 534 965 589	-34 411.000	-5.27	-0.000 527
			5 Minutes	6 534 965 440	-34 560.000	-5.29	-0.000 529
			10 Minutes	6 534 965 261	-34 739.000	-5.32	-0.000 532
		40	Startup	6 534 959 937	-40 063.000	-6.13	-0.000 613
			2 Minutes	6 534 960 799	-39 201.000	-6.00	-0.000 600
			5 Minutes	6 534 960 884	-39 116.000	-5.99	-0.000 599
			10 Minutes	6 534 960 920	-39 080.000	-5.98	-0.000 598
		50	Startup	6 534 964 126	-35 874.000	-5.49	-0.000 549
			2 Minutes	6 534 966 871	-33 129.000	-5.07	-0.000 507
			5 Minutes	6 534 967 877	-32 123.000	-4.92	-0.000 492
			10 Minutes	6 534 968 329	-31 671.000	-4.85	-0.000 485
85	4.25	20(Ref.)	Startup	6 535 015 591	15 591.000	2.39	0.000 239
			2 Minutes	6 535 015 756	15 756.000	2.41	0.000 241
			5 Minutes	6 535 015 848	15 848.000	2.43	0.000 243
			10 Minutes	6 535 015 917	15 917.000	2.44	0.000 244
115	5.75	20(Ref.)	Startup	6 535 015 985	15 985.000	2.45	0.000 245
			2 Minutes	6 535 016 070	16 070.000	2.46	0.000 246
			5 Minutes	6 535 016 121	16 121.000	2.47	0.000 247
			10 Minutes	6 535 016 163	16 163.000	2.47	0.000 247

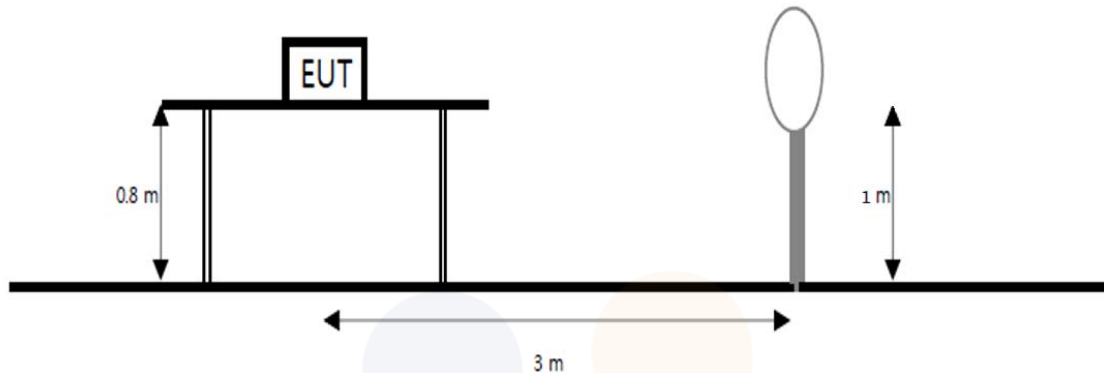
Test band : UNII-8
 Frequency (Hz) : 6 895 000 000

Voltage (%)	Power (V)	Temp. (°C)		Frequency (Hz)	Frequency error (Hz)	Deviation	
						(ppm)	(%)
100	5.00	20(Ref.)	Startup	6 895 004 211	4 211.000	0.61	0.000 061
			2 Minutes	6 895 009 602	9 602.000	1.39	0.000 139
			5 Minutes	6 895 011 942	11 942.000	1.73	0.000 173
			10 Minutes	6 895 013 361	13 361.000	1.94	0.000 194
		-30	Startup	6 894 982 743	-17 257.000	-2.50	-0.000 250
			2 Minutes	6 894 979 740	-20 260.000	-2.94	-0.000 294
			5 Minutes	6 894 979 144	-20 856.000	-3.02	-0.000 302
			10 Minutes	6 894 978 661	-21 339.000	-3.09	-0.000 309
		-20	Startup	6 894 959 486	-40 514.000	-5.88	-0.000 588
			2 Minutes	6 894 959 451	-40 549.000	-5.88	-0.000 588
			5 Minutes	6 894 959 261	-40 739.000	-5.91	-0.000 591
			10 Minutes	6 894 959 137	-40 863.000	-5.93	-0.000 593
		-10	Startup	6 895 020 294	20 294.000	2.94	0.000 294
			2 Minutes	6 895 019 222	19 222.000	2.79	0.000 279
			5 Minutes	6 895 018 576	18 576.000	2.69	0.000 269
			10 Minutes	6 895 018 243	18 243.000	2.65	0.000 265
		0	Startup	6 895 011 831	11 831.000	1.72	0.000 172
			2 Minutes	6 895 009 048	9 048.000	1.31	0.000 131
			5 Minutes	6 895 007 409	7 409.000	1.07	0.000 107
			10 Minutes	6 895 006 767	6 767.000	0.98	0.000 098
		10	Startup	6 894 959 966	-40 034.000	-5.81	-0.000 581
			2 Minutes	6 894 962 541	-37 459.000	-5.43	-0.000 543
			5 Minutes	6 894 965 076	-34 924.000	-5.07	-0.000 507
			10 Minutes	6 894 966 219	-33 781.000	-4.90	-0.000 490
		30	Startup	6 894 965 341	-34 659.000	-5.03	-0.000 503
			2 Minutes	6 894 964 312	-35 688.000	-5.18	-0.000 518
			5 Minutes	6 894 963 681	-36 319.000	-5.27	-0.000 527
			10 Minutes	6 894 963 335	-36 665.000	-5.32	-0.000 532
		40	Startup	6 894 958 061	-41 939.000	-6.08	-0.000 608
			2 Minutes	6 894 958 737	-41 263.000	-5.98	-0.000 598
			5 Minutes	6 894 958 858	-41 142.000	-5.97	-0.000 597
			10 Minutes	6 894 958 909	-41 091.000	-5.96	-0.000 596
		50	Startup	6 894 962 074	-37 926.000	-5.50	-0.000 550
			2 Minutes	6 894 965 705	-34 295.000	-4.97	-0.000 497
			5 Minutes	6 894 966 642	-33 358.000	-4.84	-0.000 484
			10 Minutes	6 894 967 152	-32 848.000	-4.76	-0.000 476
85	4.25	20(Ref.)	Startup	6 895 015 107	15 107.000	2.19	0.000 219
			2 Minutes	6 895 015 585	15 585.000	2.26	0.000 226
			5 Minutes	6 895 015 997	15 997.000	2.32	0.000 232
			10 Minutes	6 895 016 357	16 357.000	2.37	0.000 237
115	5.75	20(Ref.)	Startup	6 895 017 171	17 171.000	2.49	0.000 249
			2 Minutes	6 895 017 428	17 428.000	2.53	0.000 253
			5 Minutes	6 895 017 661	17 661.000	2.56	0.000 256
			10 Minutes	6 895017889	17 889.000	2.59	0.000 259

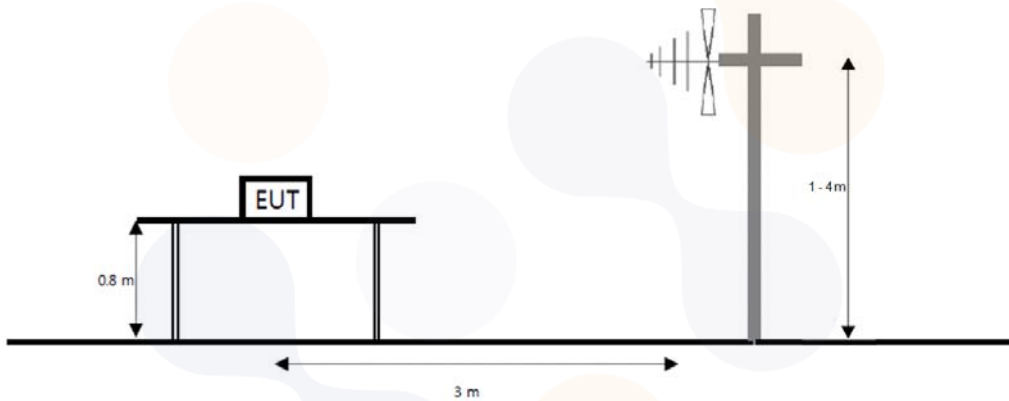
7.6. Spurious Emission, Band Edge and Restricted bands

Test setup

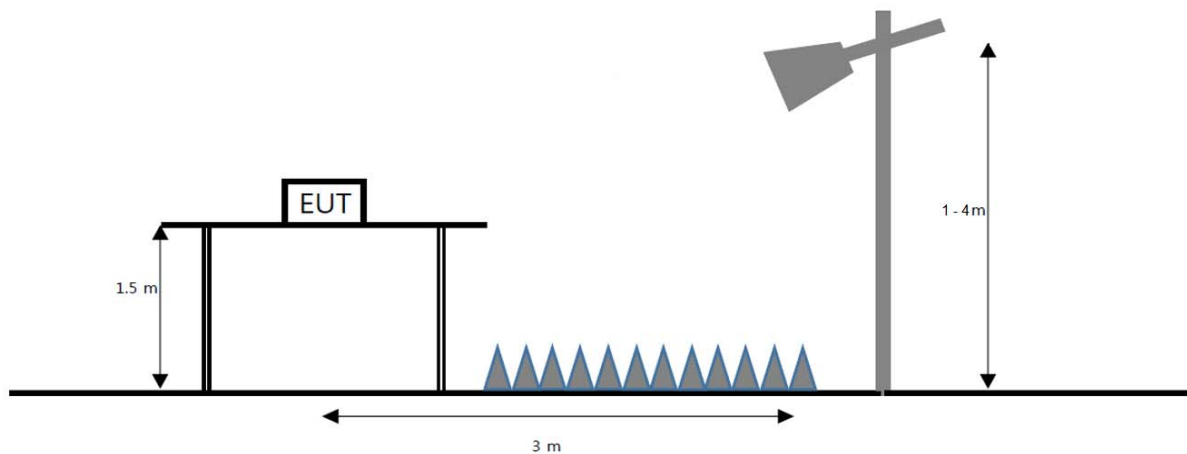
The diagram below shows the test setup that is utilized to make the measurements for emission from 9 kHz to 30 MHz Emissions



The diagram below shows the test setup that is utilized to make the measurements for emission from 30 MHz to 1 GHz emissions.



The diagram below shows the test setup that is utilized to make the measurements for emission from 1 GHz to the tenth harmonic of the highest fundamental frequency or to 40 GHz emissions, whichever is lower.



Limit

According to section 15.407(b)(6),

For transmitters operating within the 5.925-7.125 GHz band: Any emissions outside of the 5.925-7.125 GHz band must not exceed an e.i.r.p. of -27 dBm/MHz.

According to section 15.209(a)

except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

Frequency (MHz)	Field strength ($\mu V/m$)	Measurement distance (m)
0.009 - 0.490	2 400/F(kHz)	300
0.490 - 1.705	24 000/F(kHz)	30
1.705 - 30	30	30
30 - 88	100**	3
88 - 216	150**	3
216 - 960	200**	3
Above 960	500	3

**Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this section shall not be located in the frequency bands 54–72 MHz, 76–88 MHz, 174–216 MHz or 470–806 MHz. However, operation within these frequency bands is permitted under other sections of this part, e.g., Section 15.231 and 15.241.

According to section 15.205(a) and (b)

only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.009 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
0.495 - 0.505	16.694 75 - 16.695 25	608 - 614	5.35 - 5.46
2.173 5 - 2.190 5	16.804 25 - 16.804 75	960 - 1 240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1 300 - 1 427	8.025 - 8.5
4.177 25 - 4.177 75	37.5 - 38.25	1 435 - 1 626.5	9.0 - 9.2
4.207 25 - 4.207 75	73 - 74.6	1 645.5 - 1 646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1 660 - 1 710	10.6 - 12.7
6.267 75 - 6.268 25	108 - 121.94	1 718.8 - 1 722.2	13.25 - 13.4
6.311 75 - 6.312 25	123 - 138	2 200 - 2 300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2 310 - 2 390	15.35 - 16.2
8.362 - 8.366	156.524 75 - 156.525	2 483.5 - 2 500	17.7 - 21.4
8.376 25 - 8.386 75	25	2 690 - 2 900	22.01 - 23.12
8.414 25 - 8.414 75	156.7 - 156.9	3 260 - 3 267	23.6 - 24.0
12.29 - 12.293	162.012 5 - 167.17	3 332 - 3 339	31.2 - 31.8
12.519 75 - 12.520 25	167.72 - 173.2	3 345.8 - 3 358	36.43 - 36.5
12.576 75 - 12.577 25	240 - 285	3 600 - 4 400	Above 38.6
13.36 - 13.41	322 - 335.4		

The field strength of emissions appearing within these frequency bands shall not exceed the limits shown in section 15.209. At frequencies equal to or less than 1 000 MHz, compliance with the limits in section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1 000 MHz, compliance with the emission limits in section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in section 15.35 apply to these measurements.

IC

According to RSS-248(4.6.2)(a)

Any emissions outside of the 5925-7125 MHz frequency band shall not exceed -27 dBm/MHz e.i.r.p spectral density.

According to RSS-Gen(8.9),

Except where otherwise indicated in the applicable RSS, radiated emissions shall comply with the field strength limits shown in table 5 and table 6. Additionally, the level of any transmitter unwanted emission shall not exceed the level of the transmitter's fundamental emission.

Table 5- General field strength limits at frequencies above 30 MHz

Frequency(MHz)	Field strength ($\mu\text{V}/\text{m}$ at 3 m)
30 to 88	100
88 to 216	150
216 to 960	200
Above 960	500

Table 6- General field strength limits at frequencies below 30 MHz

Frequency	Magnetic field strength (H-Field) ($\mu\text{A}/\text{m}$)	Measurement distance(m)
9 – 490 kHz ¹⁾	6.37/F (F in kHz)	300
490 – 1705 kHz	63.7/F (F in kHz)	30
1.705 - 30 MHz	0.08	30

According to RSS-Gen(8.10),

Restricted frequency bands, identified in table 7, are designated primarily for safety-of-life services (distress calling and certain aeronautical activities), certain satellite downlinks, radio astronomy and some government uses. Except where otherwise indicated, the following conditions related to the restricted frequency bands apply:

- The transmit frequency, including fundamental components of modulation, of licence-exempt radio apparatus shall not fall within the restricted frequency bands listed in table 7 except for apparatus compliant with RSS-287, Emergency Position Indicating Radio Beacons (EPIRB), Emergency Locator Transmitters (ELT), Personal Locator Beacons (PLB), and Maritime Survivor Locator Devices (MSLD).
- Unwanted emissions that fall into restricted frequency bands listed in table 7 shall comply with the limits specified in table 5 and table 6.
- Unwanted emissions that do not fall within the restricted frequency bands listed in table 7 shall comply either with the limits specified in the applicable RSS or with those specified in table 5 and table 6.

Table 7- Restricted frequency bands*

MHz	MHz	GHz
0.090 - 0.110	149.9 - 150.05	9.0 - 9.2
0.495 - 0.505	156.52475 - 156.52525	9.3 - 9.5
2.1735 - 2.1905	156.7 - 156.9	10.6 - 12.7
3.020 - 3.026	162.0125 - 167.17	13.25 - 13.4
4.125 - 4.128	167.72 - 173.2	14.47 - 14.5
4.17725 - 4.17775	240 - 285	15.35 - 16.2
4.20725 - 4.20775	322 - 335.4	17.7 - 21.4
5.677 - 5.683	399.9 - 410	22.01 - 23.12
6.215 - 6.218	608 - 614	23.6 - 24.0
6.26775 - 6.26825	960 - 1427	31.2 - 31.8
6.31175 - 6.31225	1435 - 1626.5	36.43 - 36.5
8.291 - 8.294	1645.5 - 1646.5	Above 38.6
8.362 - 8.366	1660 - 1710	
8.37625 - 8.38675	1718.8 - 1722.2	
8.41425 - 8.41475	2200 - 2300	
12.29 - 12.293	2310 - 2390	
12.51975 - 12.52025	2483.5 - 2500	
12.57675 - 12.57725	2655 - 2900	
13.36 - 13.41	3260 - 3267	
16.42 - 16.423	3332 - 3339	
16.69475 - 16.69525	3345.8 - 3358	
16.80425 - 16.80475	3500 - 4400	
25.5 - 25.67	4500 - 5150	
37.5 - 38.25	5350 - 5460	
73 - 74.6	7250 - 7750	
74.8 - 75.2	8025 - 8500	
108 - 138	--	

* Certain frequency bands listed in table 7 and in bands above 38.6 GHz are designated for licence-exempt applications. These frequency bands and the requirements that apply to related devices are set out in the 200 and 300 series of RSSs.

Test procedure

ANSI C63.10-2013 Section 12.7.7.2, 12.7.5, 12.7.6
KDB 789033 D02 v02r01 – Section G

Test settings

Peak field strength measurements

1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
2. RBW = as specified in table
3. VBW $\geq$ (3 $\times$ RBW)
4. Detector = peak
5. Sweep time = auto
6. Trace mode = max hold
7. Allow sweeps to continue until the trace stabilizes

Table. RBW as a function of frequency

Frequency	RBW
9 kHz to 150 kHz	200 Hz to 300 Hz
0.15 MHz to 30 MHz	9 kHz to 10 kHz
30 MHz to 1 000 MHz	100 kHz to 120 kHz
> 1 000 MHz	1 MHz

Average field strength measurements

Trace averaging with continuous EUT transmission at full power

If the EUT can be configured or modified to transmit continuously ($D \geq 98\%$), then the average emission levels shall be measured using the following method (with EUT transmitting continuously):

1. RBW = 1 MHz (unless otherwise specified).
2. VBW $\geq (3 \times \text{RBW})$.
3. Detector = RMS (power averaging), if $[\text{span} / (\# \text{ of points in sweep})] \leq (\text{RBW} / 2)$. Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
4. Averaging type = power (i.e., rms):
 - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
 - 2) Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.
5. Sweep time = auto.
6. Perform a trace average of at least 100 traces.

Trace averaging across ON and OFF times of the EUT transmissions followed by duty cycle correction

If continuous transmission of the EUT ($D \geq 98\%$) cannot be achieved and the duty cycle is constant (duty cycle variations are less than $\pm 2\%$), then the following procedure shall be used:

1. The EUT shall be configured to operate at the maximum achievable duty cycle.
2. Measure the duty cycle D of the transmitter output signal as described in 11.6.
3. RBW = 1 MHz (unless otherwise specified).
4. VBW $\geq [3 \times \text{RBW}]$.
5. Detector = RMS (power averaging), if $[\text{span} / (\# \text{ of points in sweep})] \leq (\text{RBW} / 2)$. Satisfying this condition may require increasing the number of points in the sweep or reducing the span. If this condition cannot be satisfied, then the detector mode shall be set to peak.
6. Averaging type = power (i.e., rms):
 - 1) As an alternative, the detector and averaging type may be set for linear voltage averaging.
 - 2) Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.
7. Sweep time = auto.
8. Perform a trace average of at least 100 traces.
9. A correction factor shall be added to the measurement results prior to comparing with the emission limit to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:
 - 1) If power averaging (rms) mode was used in step f), then the applicable correction factor is $[10 \log (1 / D)]$, where D is the duty cycle.
 - 2) If linear voltage averaging mode was used in step f), then the applicable correction factor is $[20 \log (1 / D)]$, where D is the duty cycle.
 - 3) If a specific emission is demonstrated to be continuous ($D \geq 98\%$) rather than turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission.

Band edge measurements

Integration Method

For maximum emissions measurements, follow the procedures described in II.G.5., “Procedures for unwanted maximum Emissions Measurements above 1000 MHz. Except for the following changes:

1. Set RBW = 100 kHz
2. Set VBW $\geq 3 \times$ RBW
3. Perform a band-power integration across the 1 MHz bandwidth in which the band edge emission level is to be measured. CAUTION: you must ensure that the spectrum analyzer or EMI receiver is set for peak detection and max-hold for this measurement.

For average emissions measurements, follow the procedures described in II.G.6., “Procedures for average unwanted Emissions Measurements above 1000 MHz. Except for the following changes:

1. Set RBW = 100 kHz
2. Set VBW $\geq 3 \times$ RBW
3. Perform a band-power integration across the 1 MHz bandwidth in which the band edge emission level is to be measured.

Notes:

1. $f < 30$ MHz, extrapolation factor of 40 dB/decade of distance. $F_d = 40 \log(D_m/D_s)$
 $f \geq 30$ MHz, extrapolation factor of 20 dB/decade of distance. $F_d = 20 \log(D_m/D_s)$

Where:

F_d = Distance factor in dB

D_m = Measurement distance in meters

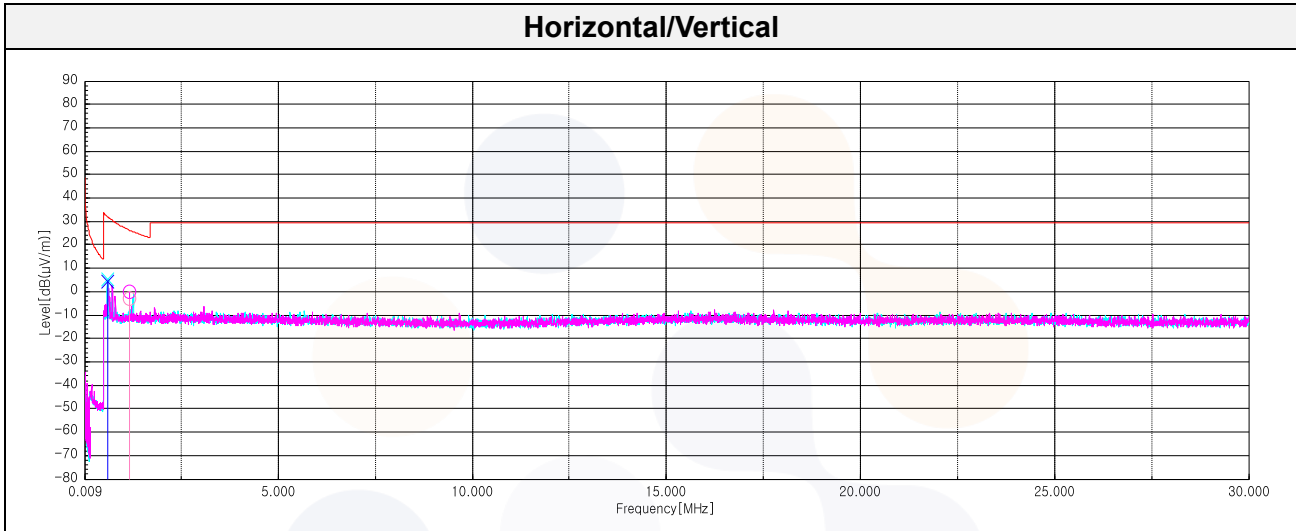
D_s = Specification distance in meters

2. Factors(dB) = Antenna factor(dB/m) + Cable loss(dB) + or Amp. gain(dB) + or F_d (dB)
3. The worst-case emissions are reported however emissions whose levels were not within 20 dB of respective limits were not reported.
4. Average test would be performed if the peak result were greater than the average limit.
5. ¹⁾ means restricted band.
6. Above 1 GHz the worst results between two antenna polarizations (H and V) were documented in the test report.
7. Below 30 MHz frequency range, In order to search for the worst result, all orientations about parallel, perpendicular, and ground-parallel were investigated then reported. when the emission level was higher than 20 dB of the limit, then the following statement shall be made: “No spurious emissions were detected within 20 dB of the limit.”
8. For above 1 GHz pre-scan to detect harmonic and spurious emissions, the resolution bandwidth is set to 1 MHz; the video bandwidth is set to 30 kHz for peak measurements.
9. The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω. For example, the measurement frequency X kHz resulted in a level of Y dBμV/m, which is equivalent to $Y - 51.5 = Z$ dBμA/m, which has the same margin, W dB, to the corresponding RSS-GEN Table 6 limit as it has to be 15.209(a) limit.

Test Result (Below 30 MHz)

Worst Case: UNII 5_802.11be_EHT160 SU mode_Middle Channel (6 185 MHz) / 2TX MIMO

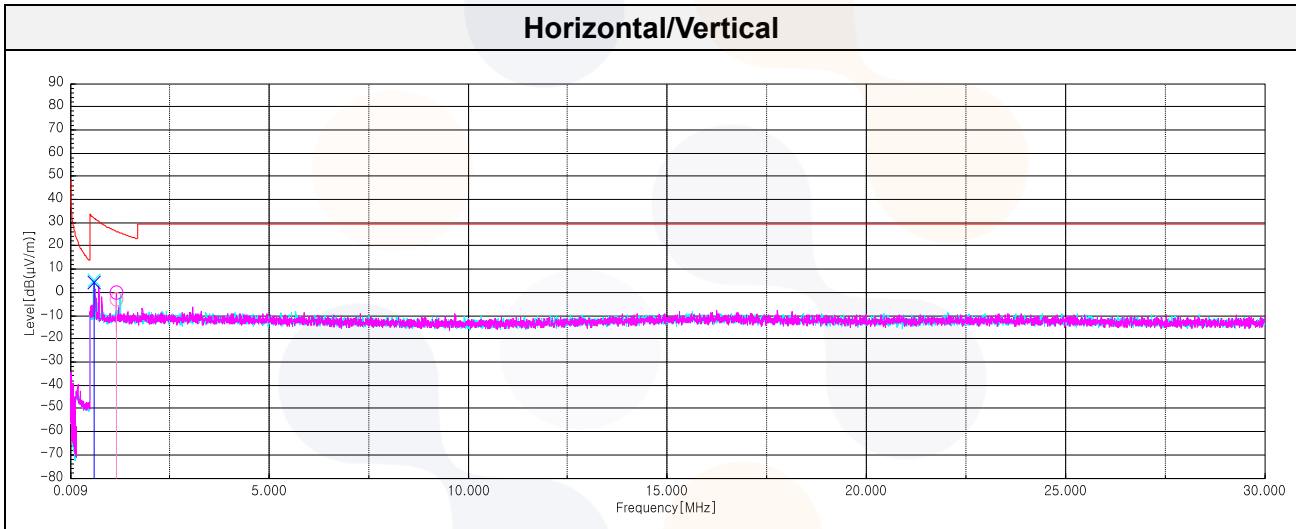
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Quasi peak data								
0.60	V	56.40	20.22	-32.54	40.00	4.08	32.00	27.92
1.17	H	49.10	20.31	-32.42	40.00	-3.01	26.20	29.21



Test Result (Below 1 000 Mhz)

Worst Case: UNII 5_802.11be_EHT160 SU mode_Middle Channel (6 185 Mhz) / 2TX MIMO

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(Mhz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Quasi peak data								
163.25 ¹⁾	H	29.00	14.78	-31.32	-	12.46	43.50	31.04
216.00	H	41.90	16.25	-31.18	-	26.97	43.50	16.53
299.78	H	30.00	18.39	-30.86	-	17.53	46.00	28.47
379.81	V	31.30	21.71	-30.86	-	22.15	46.00	23.85
547.13	V	23.30	26.12	-30.57	-	18.85	46.00	27.15
940.59	H	22.20	31.29	-28.41	-	25.08	46.00	20.92



Test results (Above 1 000 MHz)

UNII-5 Band-edge (Lowest Channel)

SISO ANT2

802.11a mode_Lowest Channel (5 975 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 923.17	H	42.90	34.35	-25.83	-	51.42	88.20	36.78
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT20 SU mode_Lowest Channel (5 955 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 923.77	H	47.80	34.35	-25.83	-	56.32	88.20	31.88
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT40 SU mode_Lowest Channel (5 965 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 924.93	H	54.80	34.35	-25.83	-	63.32	88.20	24.88
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT80 SU mode_Lowest Channel (5 985 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 922.80	H	59.00	34.35	-25.83	-	67.52	88.20	20.68
Average Data								
5 922.80	H	42.41	34.35	-25.83	3.49	54.42	68.20	13.78

802.11be_EHT160 SU mode_Lowest Channel (6 025 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 891.23	H	66.10	34.36	-25.88	-	74.58	88.20	13.62
Average Data								
5 891.23	H	46.86	34.36	-25.88	3.47	58.81	68.20	9.39



UNII-5 Band-edge (Lowest Channel)

MIMO

802.11be_EHT20 SU mode_Lowest Channel (5 955 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 922.28	H	40.80	34.34	-25.84	-	49.30	88.20	38.90
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT40 SU mode_Lowest Channel (5 965 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 924.20	H	46.90	34.35	-25.83	-	55.42	88.20	32.78
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT80 SU mode_Lowest Channel (5 985 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 921.88	H	59.60	34.34	-25.84	-	68.10	88.20	20.10
Average Data								
5 921.88	H	40.98	34.34	-25.84	4.63	54.11	68.20	14.09

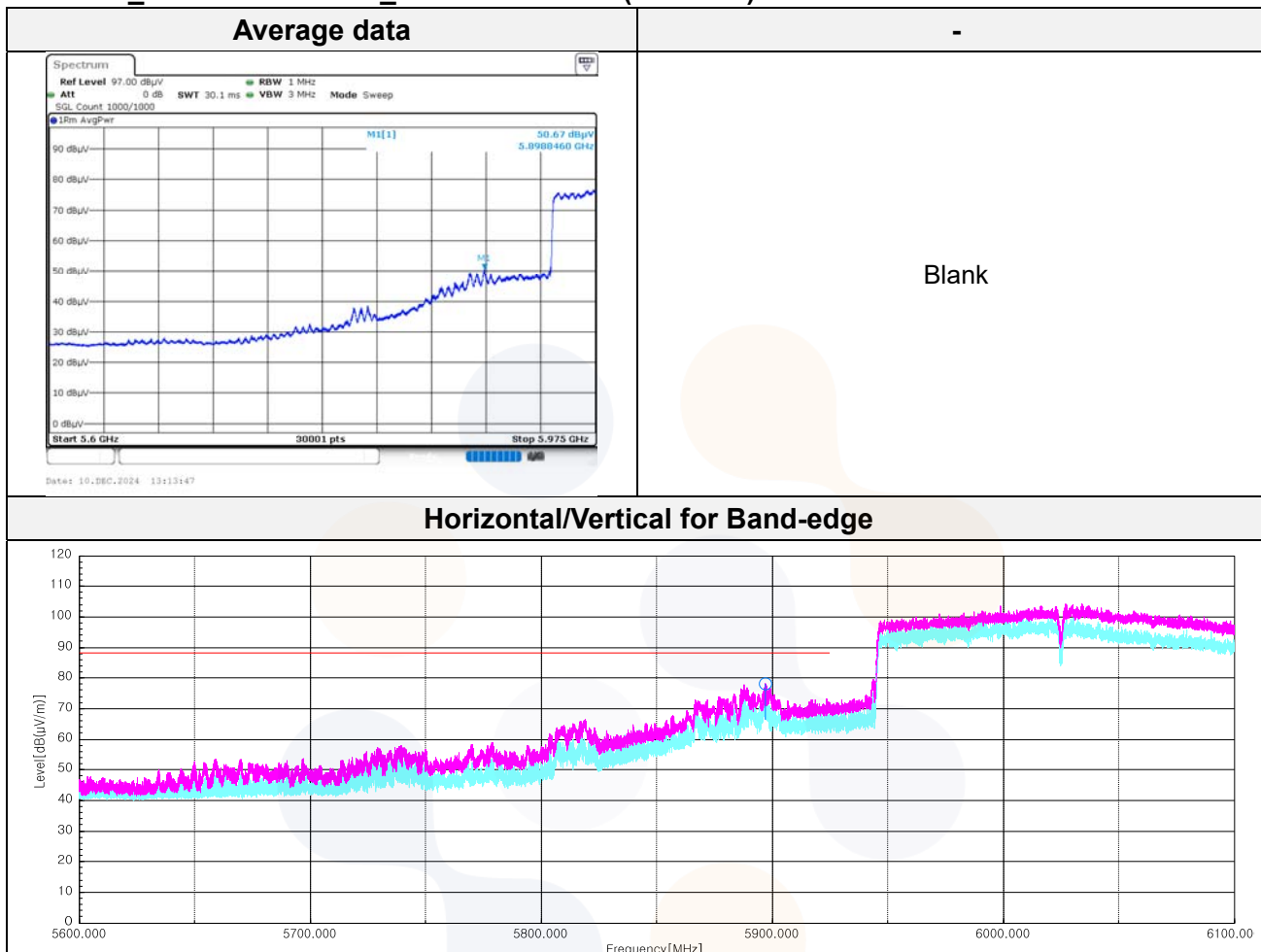
802.11be_EHT160 SU mode_Lowest Channel (6 025 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
5 898.85	H	69.80	34.40	-25.87	-	78.33	88.20	9.87
Average Data								
5 898.85	H	50.67	34.40	-25.87	4.55	63.75	68.20	4.45

Plot of Band-edge

In order to simplify the report, attached plots were only the lowest margin condition

802.11be_EHT160 SU mode_Lowest Channel (6 025 MHz) / 2TX MIMO



UNII-8 Band-edge (Highest Channel) **SISO ANT2**

802.11a mode_Highest Channel (7 095 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
7 125.96	H	43.30	36.50	-25.56	-	54.24	88.20	33.96
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT20 SU mode_Highest Channel (7 115 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
7 125.50	H	62.07	36.50	-25.56	-	73.01	88.20	15.19
7 126.50	H	61.27	36.51	-25.56	-	72.22	88.20	15.98
Average Data								
7 125.50	H	46.46	36.50	-25.56	3.40	60.80	68.20	7.40
7 126.50	H	46.02	36.51	-25.56	3.40	60.37	68.20	7.83

802.11be_EHT40 SU mode_Highest Channel (7 085 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
7 126.61	H	53.70	36.51	-25.56	-	64.65	88.20	23.55
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT80 SU mode_Highest Channel (7 025 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
7 126.75	H	45.00	36.51	-25.56	-	55.95	88.20	32.25
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT160 SU mode_Highest Channel (6 985 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
7 142.76	H	58.30	36.57	-25.59	-	69.28	88.20	18.92
7 251.39 ¹⁾	H	46.10	37.10	-25.79		57.41	74.00	16.59
Average Data								
7 133.67	H	42.05	36.53	-25.57	3.47	56.48	68.20	11.72
7 251.39 ¹⁾	H	29.04	37.10	-25.79	3.47	43.82	54.00	10.18



MIMO

802.11be_EHT20 SU mode_Highest Channel (7 115 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
7 125.50	H	48.06	36.50	-25.56	-	59.00	88.20	29.20
7 126.50	H	46.05	36.51	-25.56	-	57.00	88.20	31.20
Average Data								
7 125.50	H	32.57	36.50	-25.56	4.51	48.02	68.20	20.18
7 126.50	H	31.37	36.51	-25.56	4.51	46.83	68.20	21.37

802.11be_EHT40 SU mode_Highest Channel (7 085 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
7 126.41	H	44.60	36.51	-25.56	-	55.55	88.20	32.65
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT80 SU mode_Highest Channel (7 025 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
7 128.51	H	44.90	36.51	-25.56	-	55.85	88.20	32.35
Average Data								
No spurious emissions were detected within 20 dB of the limit								

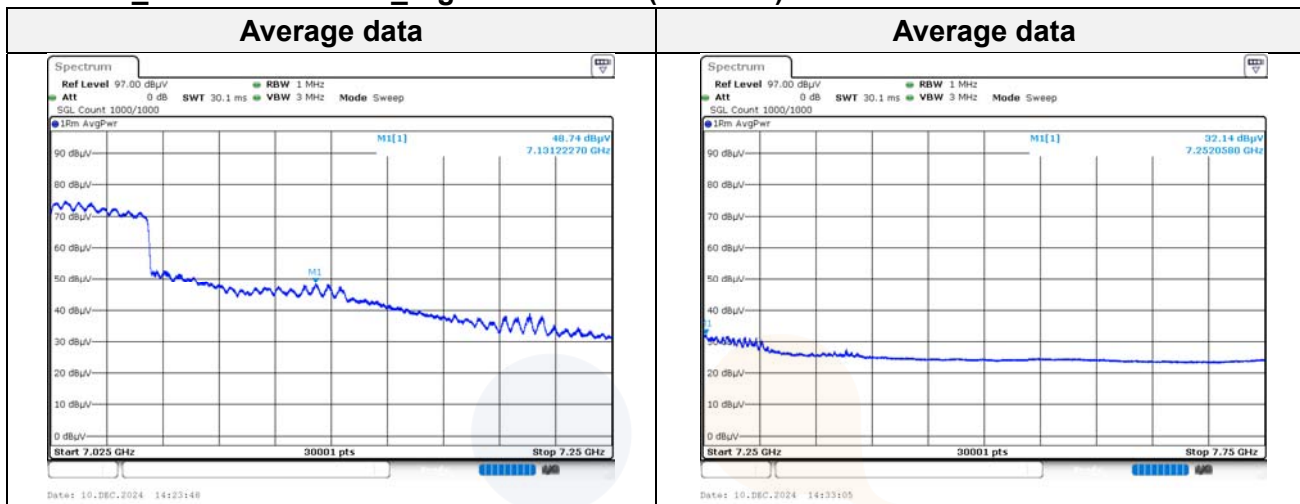
802.11be_EHT160 SU mode_Highest Channel (6 985 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
7 131.22	H	66.10	36.52	-25.57	-	77.05	88.20	11.15
7 252.06 ¹⁾	H	52.70	37.10	-25.79	-	64.01	74.00	9.99
Average Data								
7 131.22	H	48.74	36.52	-25.57	4.55	64.24	68.20	3.96
7 252.06 ¹⁾	H	32.14	37.10	-25.79	4.55	48.00	54.00	6.00

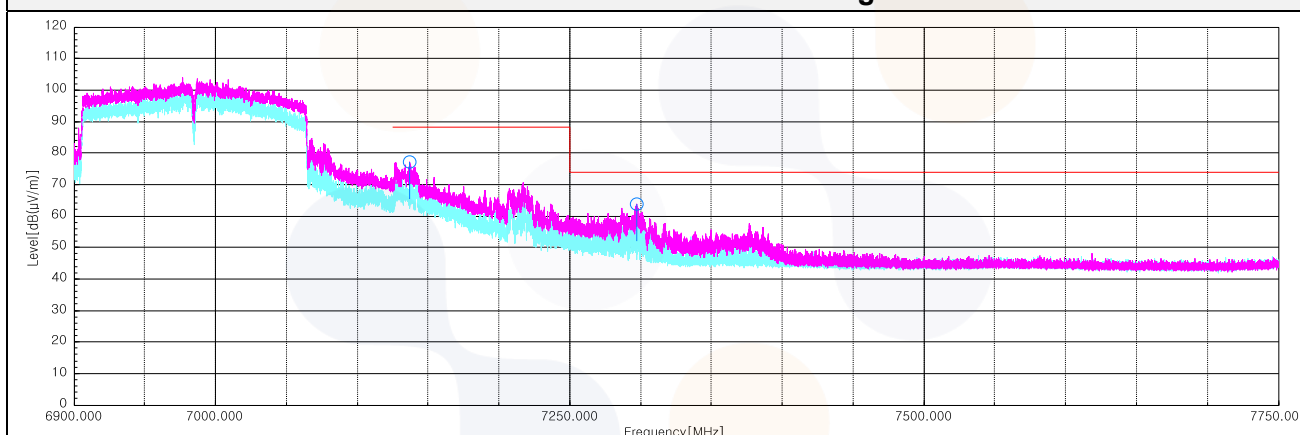
Plot of Band-edge

In order to simplify the report, attached plots were only the lowest margin condition

802.11be_EHT160 SU mode_Highest Channel (6 985 MHz) / 2TX MIMO



Horizontal/Vertical for Band-edge



UNII-5 Harmonics and Spurious Emissions

SISO_ANT2

802.11a mode_Lowest Channel (5 975 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
11 986.00 ¹⁾	V	53.40	38.80	-42.22	-	49.98	74.00	24.02
17 918.82 ¹⁾	H	54.00	42.15	-40.25	-	55.90	74.00	18.10
Average Data								
17 918.82 ¹⁾	H	43.06	42.15	-40.25	1.17	46.13	54.00	7.87

802.11a mode_Middle Channel (6 135 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 203.67 ¹⁾	H	53.40	39.00	-42.88	-	49.52	74.00	24.48
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11a mode_Highest Channel (6 375 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 748.00	H	54.70	39.50	-42.68	-	51.52	88.20	36.68
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT20 SU mode_Lowest Channel (5 955 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
11 999.82 ¹⁾	V	55.40	38.80	-42.19	-	52.01	74.00	21.99
17 921.19 ¹⁾	H	53.70	42.17	-40.24	-	55.63	74.00	18.37
Average Data								
11 999.82 ¹⁾	V	49.45	38.80	-42.19	3.40	49.46	54.00	4.54
17 921.19 ¹⁾	H	43.06	42.17	-40.24	3.40	48.39	54.00	5.61

802.11be_EHT20 SU mode_ Middle Channel (6 175 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 308.33 ¹⁾	V	53.70	39.00	-43.08	-	49.62	74.00	24.38
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT20 SU mode_ Highest Channel (6 415 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 815.33	V	53.00	39.63	-42.60	-	50.03	88.20	38.17
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT40 SU mode_ Lowest Channel (5 965 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 000.33 ¹⁾	V	54.20	38.90	-42.19	-	50.91	74.00	23.09
17 920.88 ¹⁾	H	54.00	42.17	-40.24	-	55.93	74.00	18.07
Average Data								
17 920.88 ¹⁾	H	43.09	42.17	-40.24	3.39	48.41	54.00	5.59

802.11be_EHT40 SU mode_ Middle Channel (6 165 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 334.33 ¹⁾	V	54.30	39.00	-43.10	-	50.20	74.00	23.80
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT40 SU mode_ Highest Channel (6 405 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 867.00	V	54.00	39.60	-42.54	-	51.06	88.20	37.14
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT80 SU mode_Lowest Channel (5 985 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 000.67 ¹⁾	V	54.50	38.90	-42.19	-	51.21	74.00	22.79
Average Data								
12 000.67 ¹⁾	V	49.45	38.90	-42.19	3.49	49.65	54.00	4.35

802.11be_EHT80 SU SU mode_ Middle Channel (6 145 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 242.00 ¹⁾	V	53.70	39.00	-43.01	-	49.69	74.00	24.31
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT80 SU mode_ Highest Channel (6 385 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 778.00	H	53.80	39.56	-42.65	-	50.71	88.20	37.49
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT160 SU mode_Lowest Channel (6 025 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 000.74 ¹⁾	V	55.50	38.90	-42.19	-	52.21	74.00	21.79
Average Data								
12 000.74 ¹⁾	V	47.96	38.90	-42.19	3.47	48.14	54.00	5.86

802.11be_EHT160 SU mode_ Middle Channel (6 185 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 387.67 ¹⁾	V	54.30	38.82	-43.14		49.98	74.00	24.02
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT160 SU mode _ Highest Channel (6 345 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μ V))	(dB)	(dB)	(dB)	(dB(μ V/m))	(dB(μ V/m))	(dB)
Peak data								
12 650.33 ¹⁾	H	53.60	39.30	-42.90		50.00	74.00	24.00
Average Data								
No spurious emissions were detected within 20 dB of the limit								



MIMO

802.11be_EHT20 SU mode_Lowest Channel (5 955 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 000.78 ¹⁾	V	54.80	38.90	-42.19	-	51.51	74.00	22.49
17 917.68 ¹⁾	V	53.60	42.14	-40.26	-	55.48	74.00	18.52
Average Data								
12 000.78 ¹⁾	V	49.31	38.90	-42.19	4.51	50.53	54.00	3.47
17 917.68 ¹⁾	V	43.01	42.14	-40.26	4.51	49.40	54.00	4.60

802.11be_EHT20 SU mode_Middle Channel (6 175 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 302.33 ¹⁾	V	53.90	39.00	-43.08	-	49.82	74.00	24.18
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT20 SU mode_Highest Channel (6 415 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 820.33	H	53.40	39.64	-42.60	-	50.44	88.20	37.76
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT40 SU mode_Lowest Channel (5 965 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 000.57 ¹⁾	V	54.60	38.90	-42.19	-	51.31	74.00	22.69
17 915.19 ¹⁾	H	54.20	42.12	-40.28	-	56.04	74.00	17.96
Average Data								
12 000.57 ¹⁾	V	49.35	38.90	-42.19	4.46	50.52	54.00	3.48
17 915.19 ¹⁾	H	43.01	42.12	-40.28	4.46	49.31	54.00	4.69

802.11be_EHT40 SU mode_ Middle Channel (6 165 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 359.00 ¹⁾	H	54.50	38.88	-43.12	-	50.26	74.00	23.74
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT40 SU mode_ Highest Channel (6 405 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 807.00	V	54.40	39.61	-42.61	-	51.40	88.20	36.80
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT80 SU mode_ Lowest Channel (5 985 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 000.62 ¹⁾	V	54.70	38.90	-42.19	-	51.41	74.00	22.59
17 917.09 ¹⁾	V	54.20	42.14	-40.26	-	56.08	74.00	17.92
Average Data								
12 000.62 ¹⁾	V	49.00	38.90	-42.19	4.63	50.34	54.00	3.66
17 917.09 ¹⁾	V	43.28	42.14	-40.26	4.63	49.79	54.00	4.21

802.11be_EHT80 SU SU mode_ Middle Channel (6 145 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 329.67 ¹⁾	V	54.00	39.00	-43.10	-	49.90	74.00	24.10
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT80 SU mode_Highest Channel (6 385 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 775.00	V	53.80	39.55	-42.65	-	50.70	88.20	37.50
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT160 SU mode_Lowest Channel (6 025 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 000.77 ¹⁾	V	54.70	38.90	-42.19	-	51.41	74.00	22.59
Average Data								
12 000.77 ¹⁾	V	49.22	38.90	-42.19	4.55	50.48	54.00	3.52

802.11be_EHT160 SU mode_Middle Channel (6 185 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 387.00 ¹⁾	H	54.40	38.83	-43.14	-	50.09	74.00	23.91
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT160 SU mode_Highest Channel (6 345 MHz)

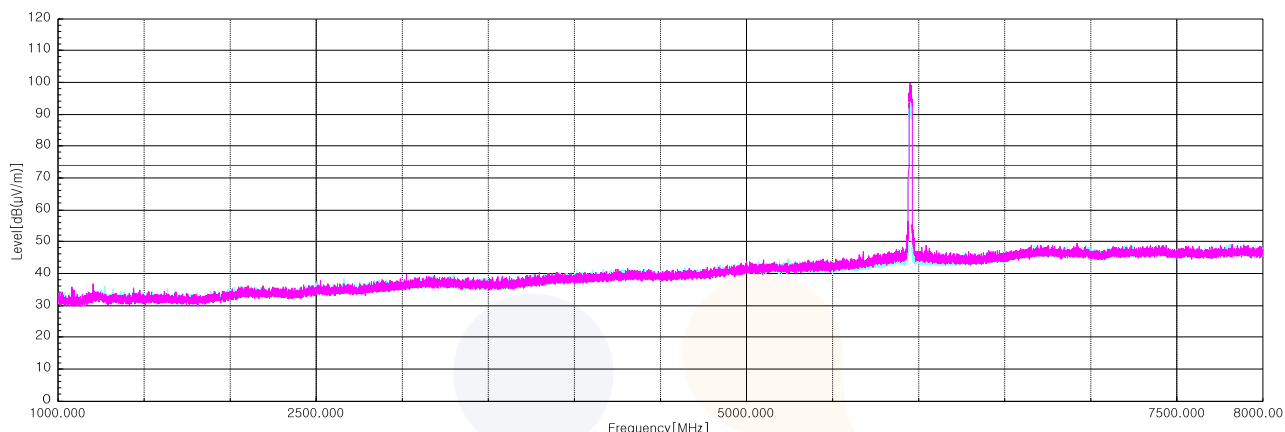
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 715.67 ¹⁾	H	53.70	39.43	-42.76	-	50.37	88.20	37.83
Average Data								
No spurious emissions were detected within 20 dB of the limit								

Plot of Harmonics and Spurious Emissions

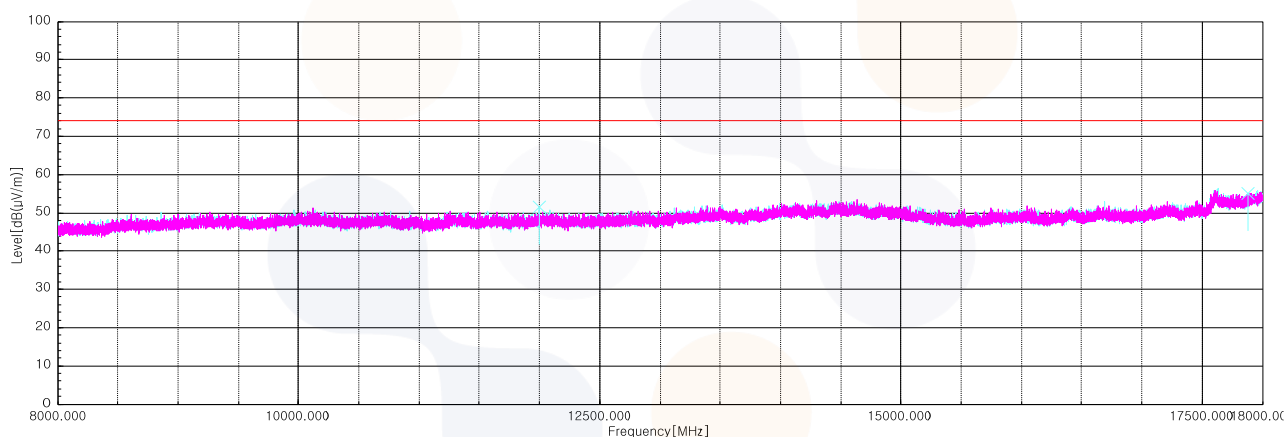
In order to simplify the report, attached plots were only the lowest margin condition

802.11be_EHT20 SU mode_Lowest Channel (5 955 MHz) / 2TX MIMO

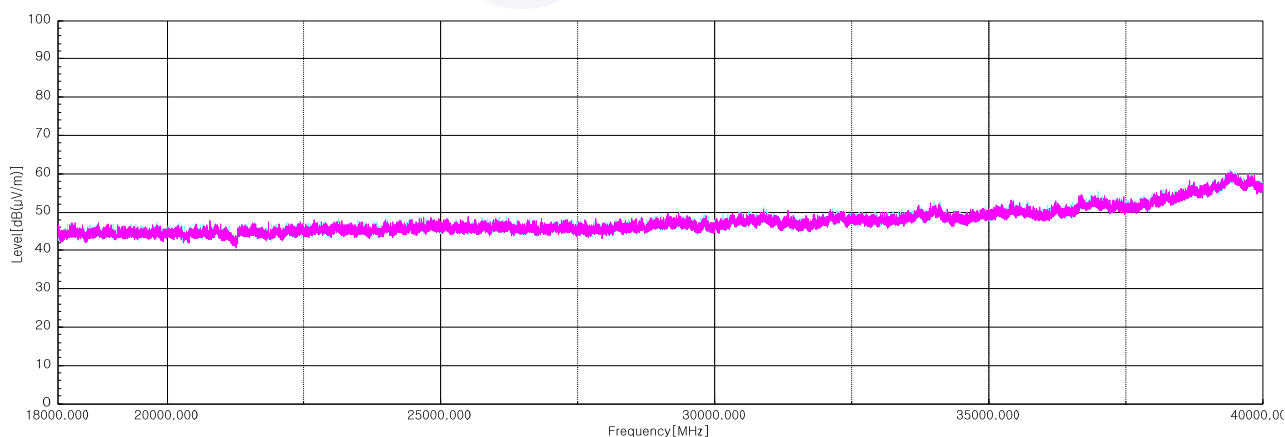
Horizontal/Vertical for 1 GHz ~ 8 GHz



Horizontal/Vertical for 8 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



UNII-6 Harmonics and Spurious Emissions

SISO_ANT2

802.11a mode_Lowest Channel (6 455 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 932.00	H	53.80	39.76	-42.46	-	51.10	88.20	37.10
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT20 SU mode_Lowest Channel (6 435 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 888.00	V	54.20	39.60	-42.51	-	51.29	88.20	36.91
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT20 SU mode_Middle Channel (6 475 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 998.00	V	53.60	39.70	-42.38	-	50.92	88.20	37.28
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT20 SU mode_Highest Channel (6 515 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 069.00	V	53.60	39.56	-42.51	-	50.65	88.20	37.55
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT40 SU mode_Lowest Channel (6 445 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 891.67	V	53.40	39.60	-42.51	-	50.49	88.20	37.71
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT40 SU mode_ Middle Channel (6 485 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 062.33	V	53.60	39.58	-42.50	-	50.68	88.20	37.52
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT40 SU mode_ Highest Channel (6 525 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 108.00	V	53.70	39.60	-42.58	-	50.72	88.20	37.48
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT80 SU mode_ Middle Channel (6 465 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 939.33	V	53.70	39.78	-42.45	-	51.03	88.20	37.17
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT160 SU mode_ Middle Channel (6 505 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 996.67	V	53.20	39.70	-42.38	-	50.52	88.20	37.68
Average Data								
No spurious emissions were detected within 20 dB of the limit								

MIMO

802.11be_EHT20 SU mode_Lowest Channel (6 435 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 841.00	V	53.40	39.68	-42.57	-	50.51	88.20	37.69
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT20 SU mode_Middle Channel (6 475 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 935.00	V	53.10	39.77	-42.46	-	50.41	88.20	37.79
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT20 SU mode_Highest Channel (6 515 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 090.67	H	53.80	39.52	-42.55	-	50.77	88.20	37.43
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT40 SU mode_Lowest Channel (6 445 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 857.00	H	53.20	39.60	-42.55	-	50.25	88.20	37.95
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT40 SU mode_Middle Channel (6 485 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 024.00	V	53.10	39.70	-42.43	-	50.37	88.20	37.83
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT40 SU mode_Highest Channel (6 525 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 033.33	V	53.50	39.70	-42.44	-	50.76	88.20	37.44
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT80 SU mode_Middle Channel (6 465 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
12 927.33	H	53.20	39.75	-42.47	-	50.48	88.20	37.72
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT160 SU mode_Middle Channel (6 505 MHz)

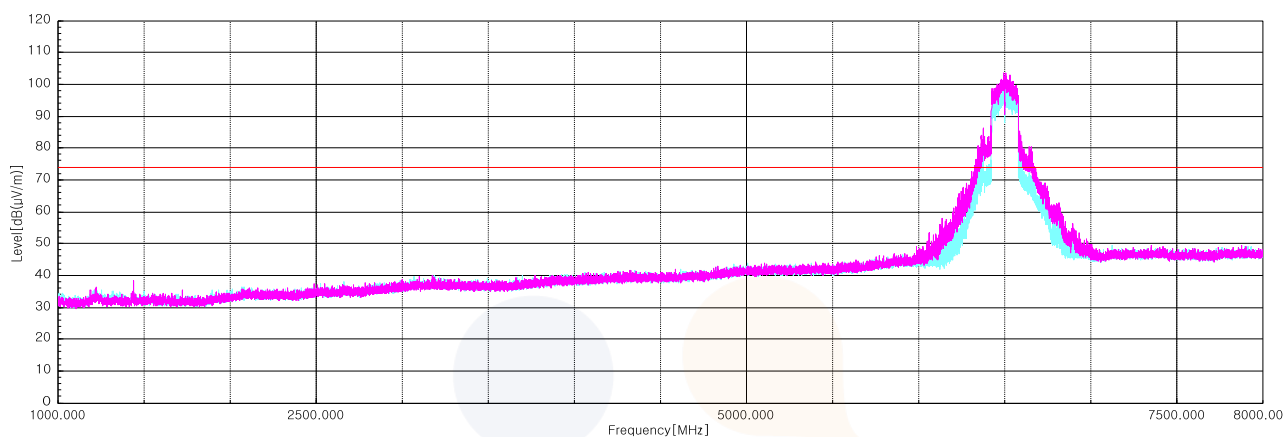
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 027.00	H	55.60	39.70	-42.43	-	52.87	88.20	35.33
Average Data								
No spurious emissions were detected within 20 dB of the limit								

Plot of Harmonics and Spurious Emissions

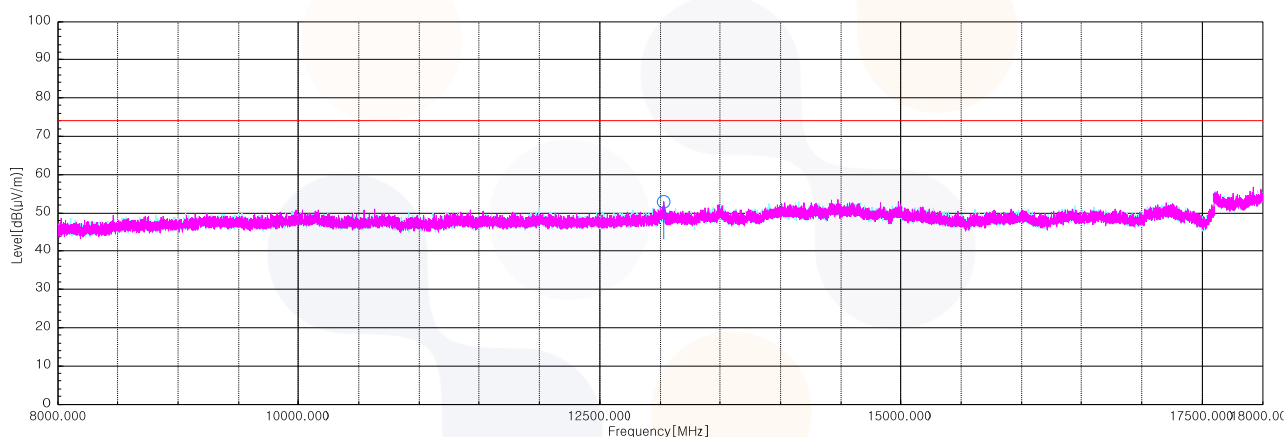
In order to simplify the report, attached plots were only the lowest margin condition

802.11be_EHT160 SU mode_Middle Channel (6 505 MHz) / 2TX MIMO

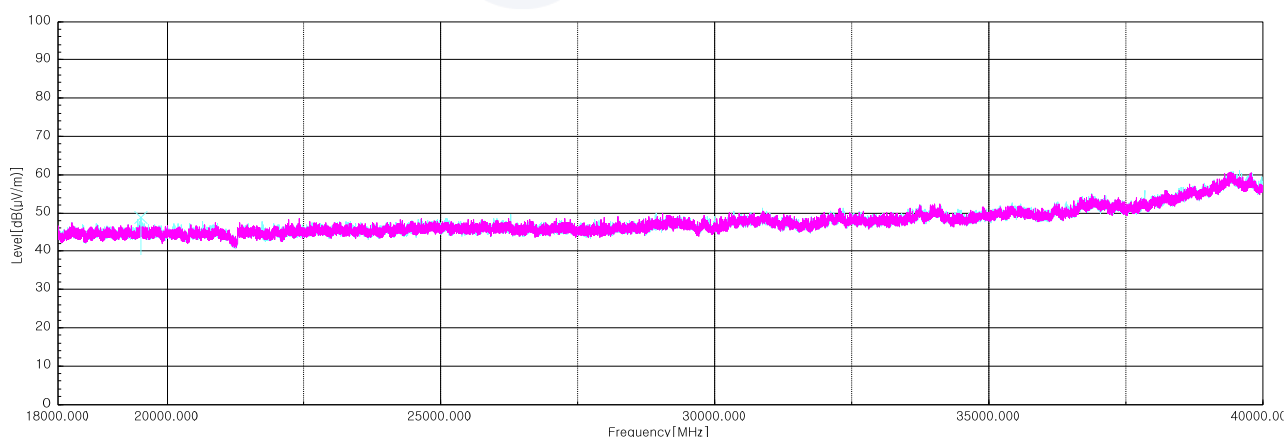
Horizontal/Vertical for 1 GHz ~ 8 GHz



Horizontal/Vertical for 8 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



UNII-7 Harmonics and Spurious Emissions

SISO_ANT2

802.11a mode_Lowest Channel (6 535 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 018.00	H	54.20	39.70	-42.41	-	51.49	88.20	36.71
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11a mode_Middle Channel (6 695 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 379.33 ¹⁾	V	53.60	39.86	-42.71	-	50.75	74.00	23.25
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11a mode_Highest Channel (6 855 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 703.67	V	53.90	39.79	-42.48	-	51.21	88.20	36.99
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT20 SU mode_Lowest Channel (6 535 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 047.67	H	52.90	39.70	-42.47	-	50.13	88.20	38.07
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT20 SU mode_Middle Channel (6 695 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 389.42 ¹⁾	V	54.60	39.88	-42.70	-	51.78	74.00	22.22
Average Data								
13 389.42 ¹⁾	V	43.02	39.88	-42.70	3.40	43.60	54.00	10.40

802.11be_EHT20 SU mode_Highest Channel (6 875 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 745.33	H	55.40	39.71	-42.46	-	52.65	88.20	35.55
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT40 SU mode_Lowest Channel (6 565 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 189.00	H	54.80	39.60	-42.74	-	51.66	88.20	36.54
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT40 SU mode_Middle Channel (6 685 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 365.31 ¹⁾	V	54.50	39.83	-42.73	-	51.60	74.00	22.40
Average Data								
13 365.31 ¹⁾	V	43.21	39.83	-42.73	3.39	43.70	54.00	10.30

802.11be_EHT40 SU mode_Highest Channel (6 845 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 691.00	H	54.40	39.90	-42.49	-	51.81	88.20	36.39
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT80 SU mode_Lowest Channel (6 545 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 127.67	V	53.90	39.60	-42.62	-	50.88	88.20	37.32
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT80 SU mode_Middle Channel (6 705 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 435.67	V	54.20	39.97	-42.65	-	51.52	88.20	36.68
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT80 SU mode_Highest Channel (6 865 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 763.00	V	54.80	39.80	-42.45	-	52.15	88.20	36.05
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT160 SU mode_Lowest Channel (6 665 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 338.97 ¹⁾	V	54.30	39.70	-42.75	-	51.25	74.00	22.75
Average Data								
13 338.97 ¹⁾	V	43.14	39.70	-42.75	3.47	43.56	54.00	10.44

802.11be_EHT160 SU mode_Highest Channel (6 825 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 671.33	V	55.00	39.90	-42.50	-	52.40	88.20	35.80
Average Data								
No spurious emissions were detected within 20 dB of the limit								

MIMO

802.11be_EHT20 SU mode_Lowest Channel (6 535 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 017.67	H	53.70	39.70	-42.41	-	50.99	88.20	37.21
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT20 SU mode_Middle Channel (6 695 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 426.33	H	54.60	39.95	-42.66	-	51.89	88.20	36.31
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT20 SU mode_Highest Channel (6 875 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 773.00	V	54.10	39.80	-42.44	-	51.46	88.20	36.74
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT40 SU mode_Lowest Channel (6 565 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 142.67	H	54.20	39.60	-42.65	-	51.15	88.20	37.05
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT40 SU mode_Middle Channel (6 685 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 368.75 ¹⁾	V	54.10	39.84	-42.72	-	51.22	74.00	22.78
Average Data								
13 368.75 ¹⁾	V	42.88	39.84	-42.72	4.46	44.46	54.00	9.54

802.11be_EHT40 SU mode_Highest Channel (6 845 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 691.67	H	55.40	39.90	-42.49		52.81	88.20	35.39
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT80 SU mode_Lowest Channel (6 545 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 095.33	H	55.10	39.51	-42.56		52.05	88.20	36.15
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT80 SU mode_Middle Channel (6 705 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 422.33	H	56.50	39.94	-42.66		53.78	88.20	34.42
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT80 SU mode_Highest Channel (6 865 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 735.00	H	60.50	39.73	-42.47		57.76	88.20	30.44
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT160 SU mode_Lowest Channel (6 665 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 351.31 ¹⁾	H	60.40	39.80	-42.74	-	57.46	74.00	16.54
Average Data								
13 351.31 ¹⁾	H	46.96	39.80	-42.74	4.55	48.57	54.00	5.43

802.11be_EHT160 SU mode_Highest Channel (6 825 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB($\mu V/m$))	(dB($\mu V/m$))	(dB)
Peak data								
13 667.33	H	63.90	39.90	-42.50	-	61.30	88.20	26.90
Average Data								
No spurious emissions were detected within 20 dB of the limit								

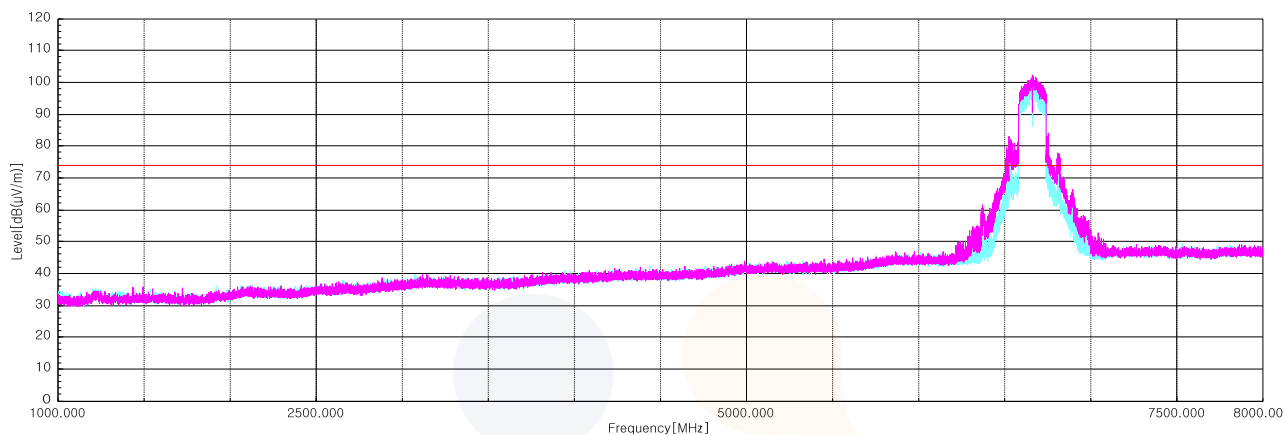


Plot of Harmonics and Spurious Emissions

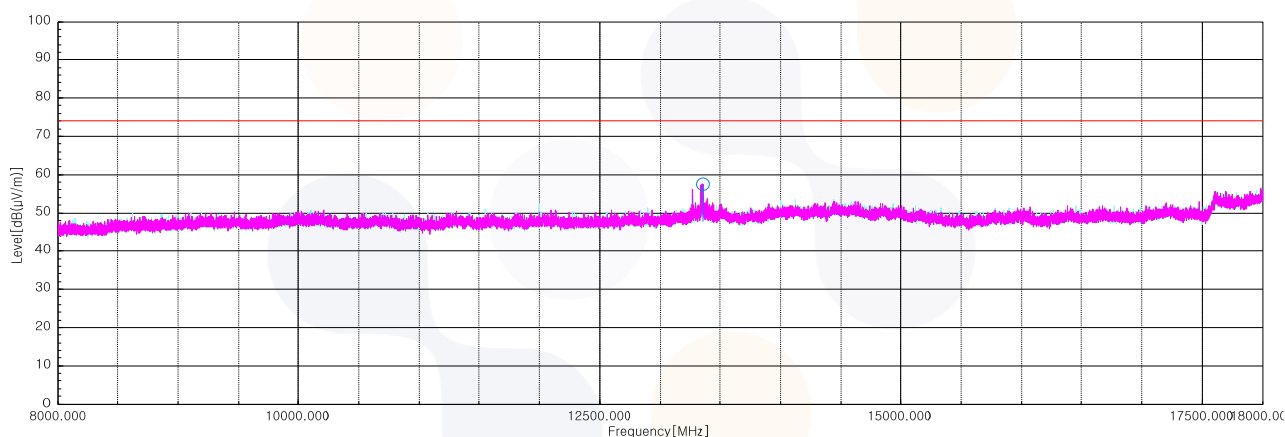
In order to simplify the report, attached plots were only the lowest margin condition

802.11be_EHT160 SU mode_Lowest Channel (6 665 MHz) / 2TX MIMO

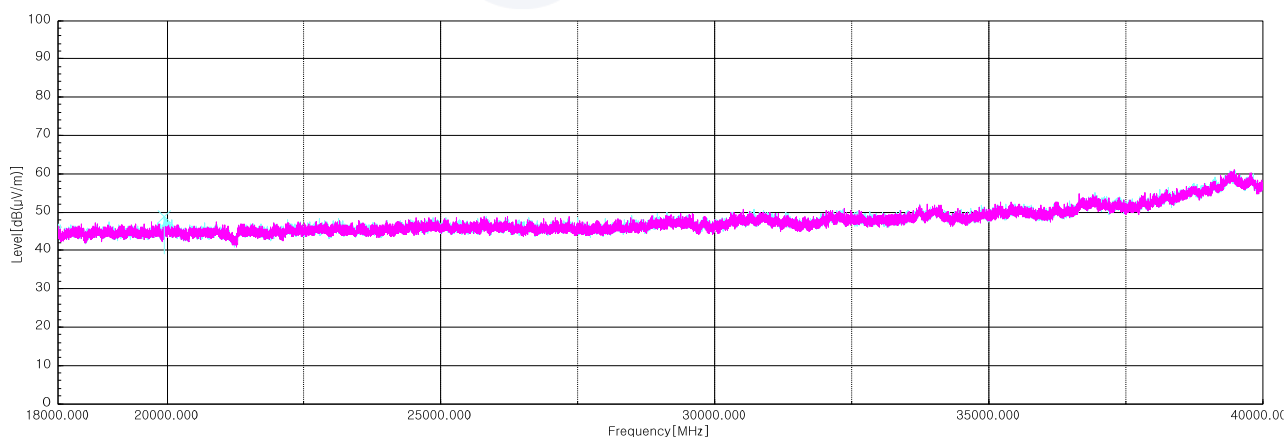
Horizontal/Vertical for 1 GHz ~ 8 GHz



Horizontal/Vertical for 8 GHz ~ 18 GHz



Horizontal/Vertical for 18 GHz ~ 40 GHz



UNII-8 Harmonics and Spurious Emissions

SISO_ANT2

802.11a mode_Lowest Channel (6 935 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 870.00	H	54.60	39.94	-42.36	-	52.18	88.20	36.02
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11a mode_Middle Channel (7 015 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
14 048.00	V	54.90	40.30	-42.22	-	52.98	88.20	35.22
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11a mode_Highest Channel (7 095 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
14 197.00	V	55.60	40.49	-42.10	-	53.99	88.20	34.21
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT20 SU mode_Lowest Channel (6 895 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 796.33	V	55.50	39.80	-42.42	-	52.88	88.20	35.32
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT20 SU mode_Middle Channel (6 995 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
14 033.00	V	54.40	40.27	-42.23	-	52.44	88.20	35.76
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT20 SU mode_Highest Channel (7 115 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
14 229.33	V	55.10	40.24	-42.08	-	53.26	88.20	34.94
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT40 SU mode_Lowest Channel (6 885 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 777.00	V	54.60	39.80	-42.44	-	51.96	88.20	36.24
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT40 SU mode_Middle Channel (7 005 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 967.00	V	54.80	40.13	-42.29	-	52.64	88.20	35.56
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT40 SU mode_Highest Channel (7 085 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
14 169.67	V	55.70	40.44	-42.12	-	54.02	88.20	34.18
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT80 SU mode_Lowest Channel (6 945 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 926.33	H	54.90	40.05	-42.32	-	52.63	88.20	35.57
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT80 SU mode_Highest Channel (7 025 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
14 022.33	V	54.60	40.24	-42.24	-	52.60	88.20	35.60
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT160 SU mode_Middle Channel (6 985 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
14 067.67	V	55.00	40.20	-42.21	-	52.99	88.20	35.21
Average Data								
No spurious emissions were detected within 20 dB of the limit								

MIMO

802.11be_EHT20 SU mode_Lowest Channel (6 895 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 800.33	H	54.00	39.80	-42.42	-	51.38	88.20	36.82
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT20 SU mode_Middle Channel (6 995 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
14 023.00	H	54.50	40.25	-42.24	-	52.51	88.20	35.69
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT20 SU mode_Highest Channel (7 115 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
14 232.33	H	54.20	40.24	-42.07	-	52.37	88.20	35.83
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT40 SU mode_Lowest Channel (6 885 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 763.67	H	61.30	39.80	-42.45	-	58.65	88.20	29.55
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT40 SU mode_Middle Channel (7 005 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 998.33	H	59.10	40.20	-42.26	-	57.04	88.20	31.16
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT40 SU mode_Highest Channel (7 085 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
14 172.00	H	57.50	40.44	-42.12	-	55.82	88.20	32.38
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT80 SU mode_Lowest Channel (6 945 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 904.33	H	64.10	40.01	-42.34	-	61.77	88.20	26.43
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT80 SU mode_Highest Channel (7 025 MHz)

Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
14 038.00	H	62.70	40.28	-42.23	-	60.75	88.20	27.45
Average Data								
No spurious emissions were detected within 20 dB of the limit								

802.11be_EHT160 SU mode_Middle Channel (6 985 MHz)

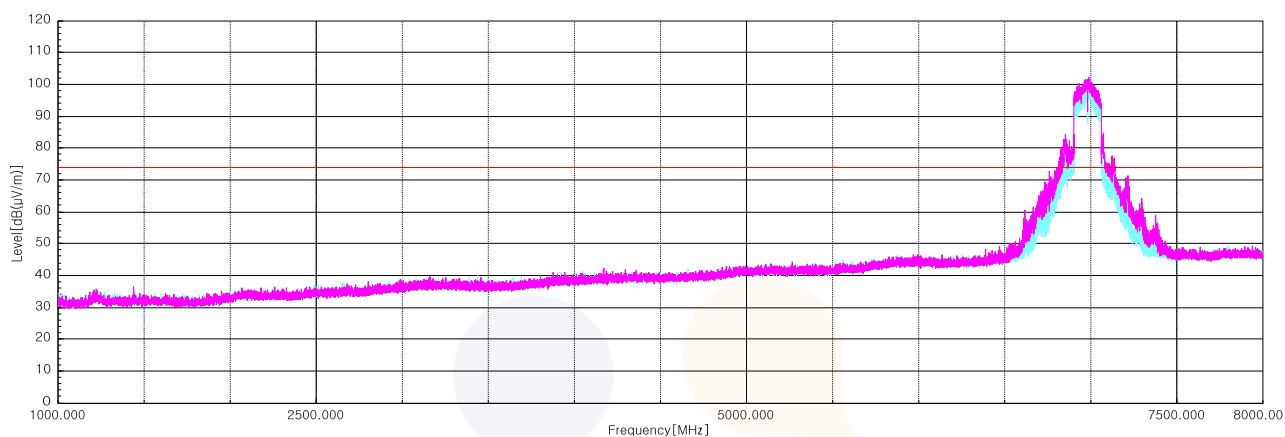
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
13 906.67	H	65.80	40.01	-42.33	-	63.48	88.20	24.72
Average Data								
No spurious emissions were detected within 20 dB of the limit								

Plot of Harmonics and Spurious Emissions

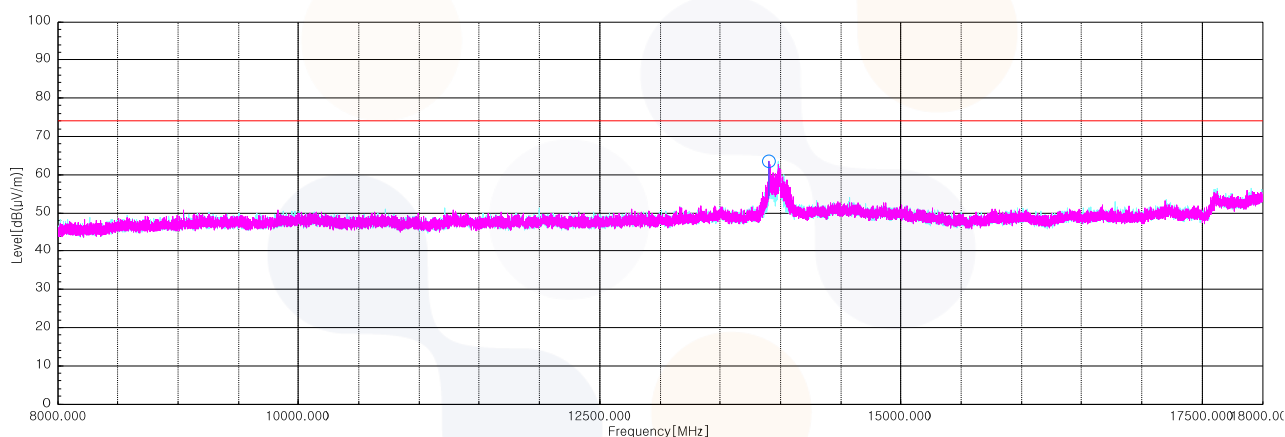
In order to simplify the report, attached plots were only the lowest margin condition

802.11be_EHT160 SU mode_Middle Channel (6 985 MHz) / 2TX MIMO

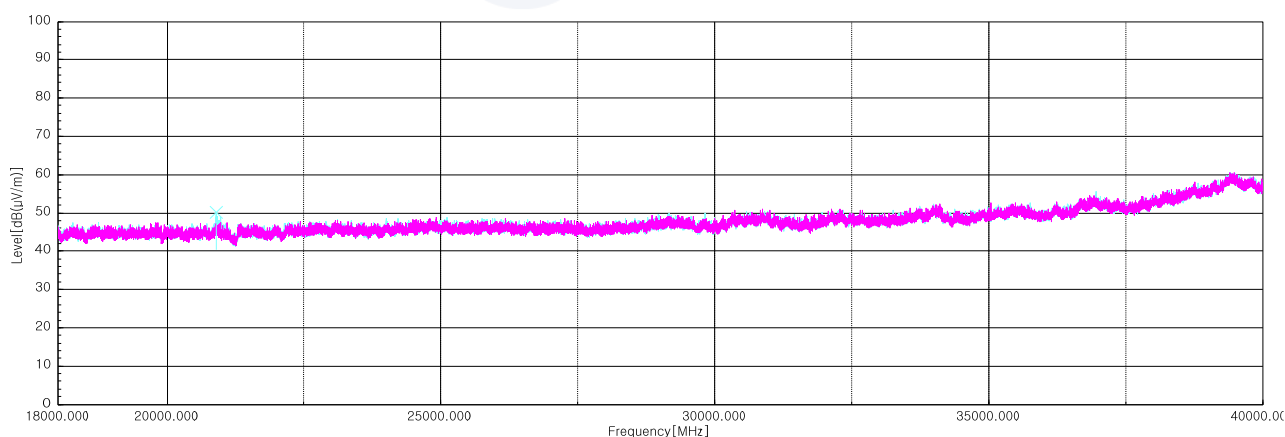
Horizontal/Vertical for 1 GHz ~ 8 GHz



Horizontal/Vertical for 8 GHz ~ 18 GHz



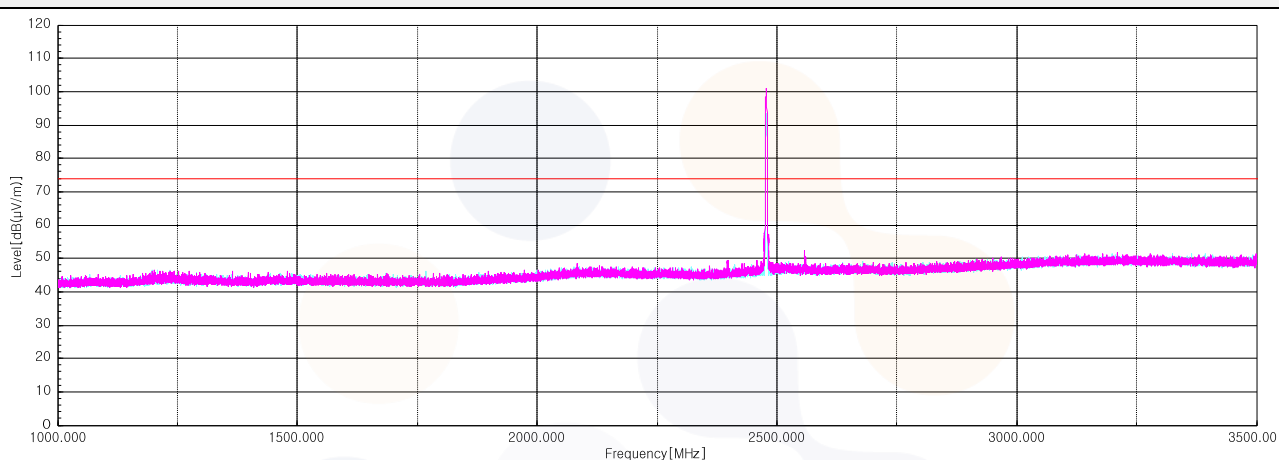
Horizontal/Vertical for 18 GHz ~ 40 GHz



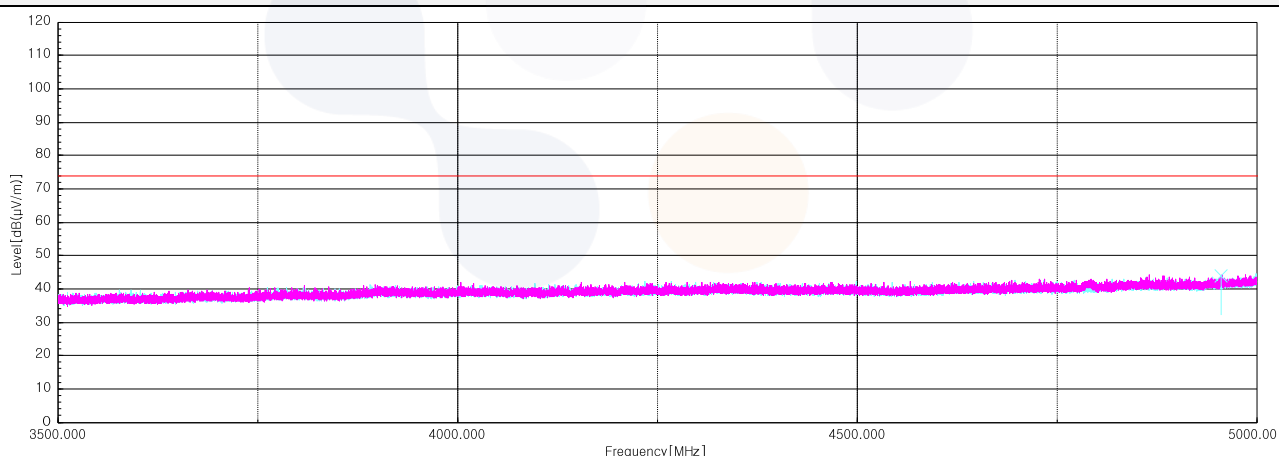
Spurious Emission for Simultaneous Tx Condition

Case	WLAN 6 GHz	WLAN 5 GHz	Bluetooth Low Energy
Mode	802.11be EHT160 SU mode SISO	802.11a_SISO	BLE
Channel	47	149	38
Frequency(MHz)	6 185	5 745	2 478
Data Rate	MCS 0	MCS 0	2M Bits/s, Packet length 37 Bytes

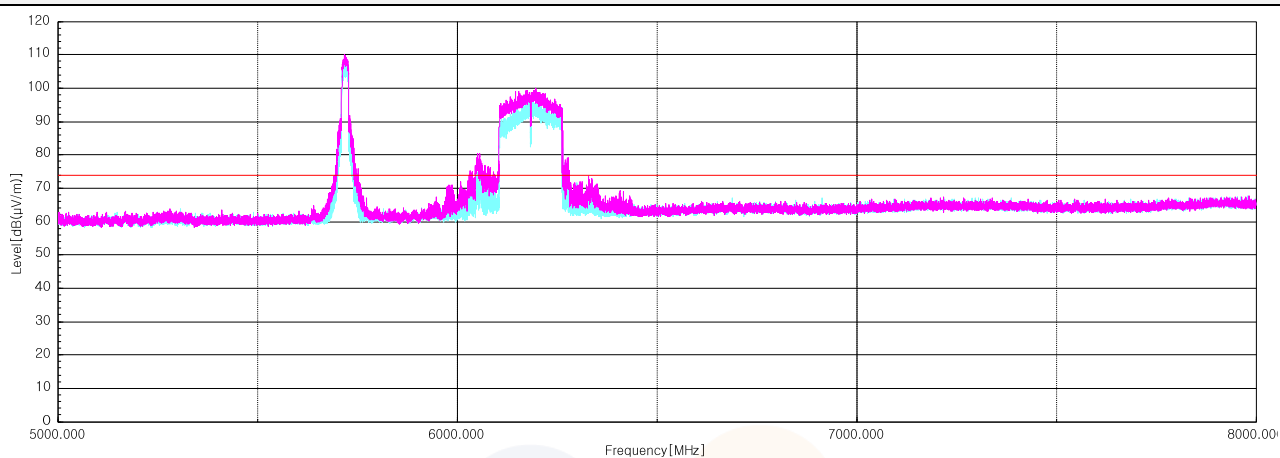
Horizontal/Vertical for 1 GHz ~ 3.5 GHz



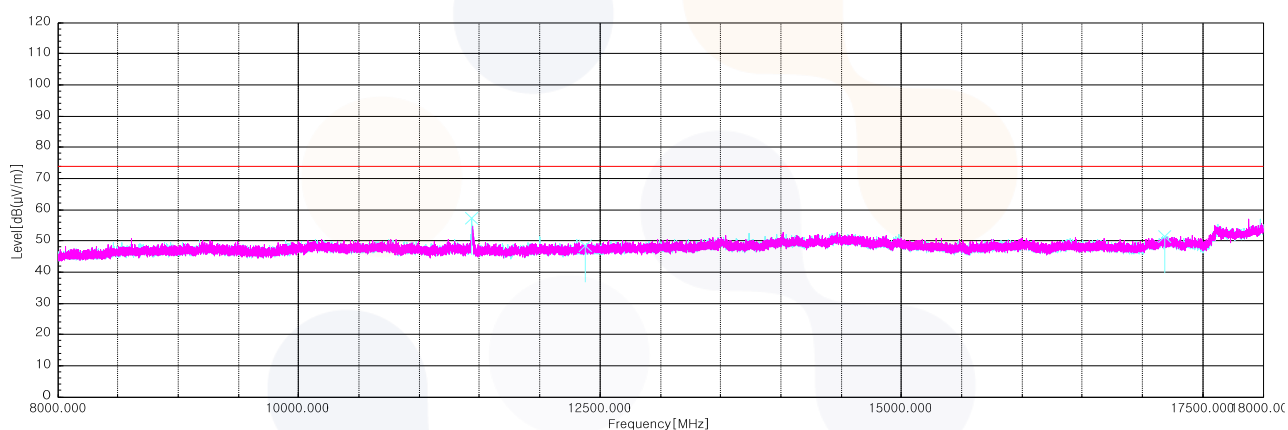
Horizontal/Vertical for 3.5 GHz ~ 5 GHz



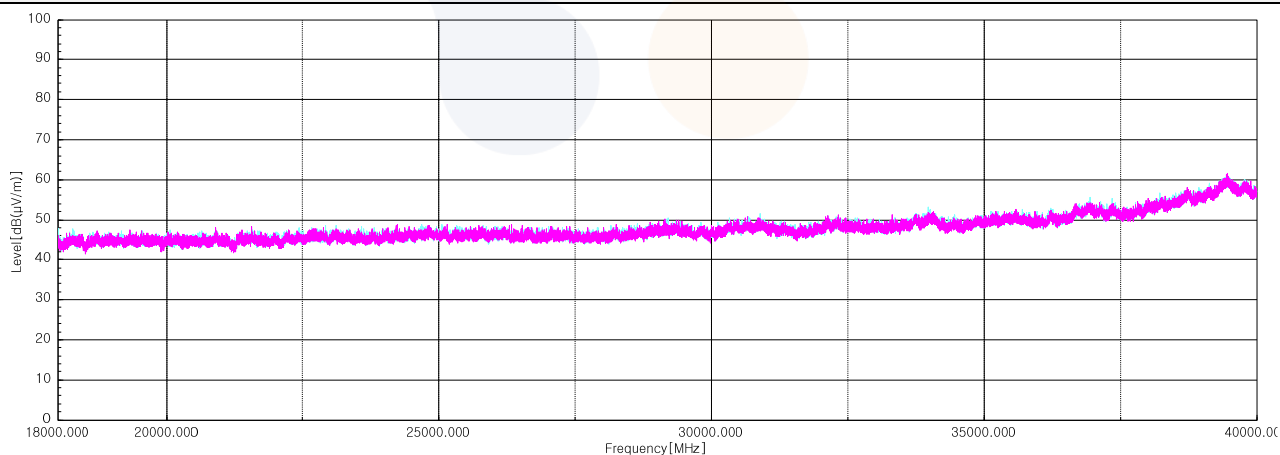
Horizontal/Vertical for 5 GHz ~ 8 GHz



Horizontal/Vertical for 8 GHz ~ 18 GHz

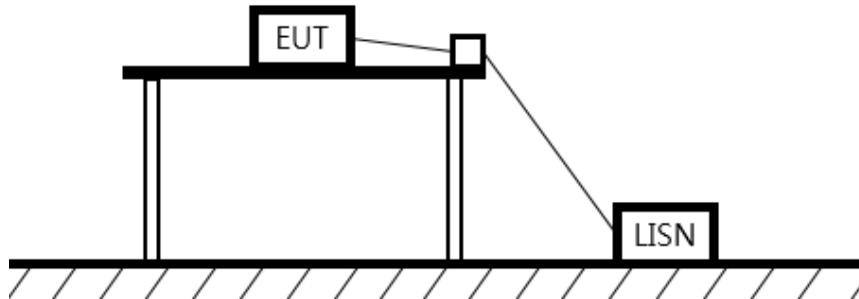


Horizontal/Vertical for 18 GHz ~ 40 GHz



7.7. AC Conducted emission

Test setup



Limit

§15.407

According to 15.207(a) and RSS-Gen (8.8),

for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50uH/50 ohm line impedance stabilization network (LISN). Compliance with the provision of this paragraph shall on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower applies at the boundary between the frequencies ranges.

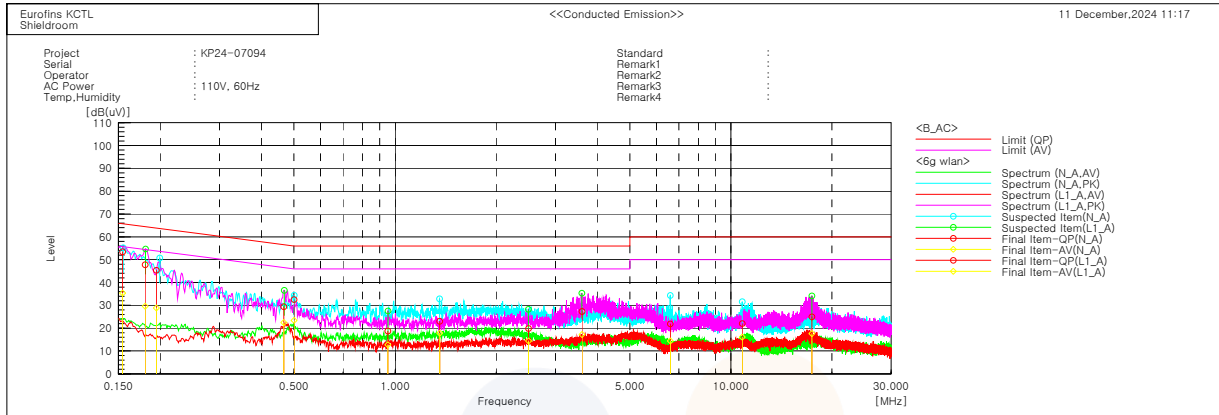
Frequency of Emission (MHz)	Conducted limit (dBμV/m)	
	Quasi-peak	Average
0.15 – 0.50	66 - 56*	56 - 46*
0.50 – 5.00	56	46
5.00 – 30.0	60	50

Measurement procedure

1. The EUT was placed on a wooden table of size, 1 m by 1.5 m, raised 80 cm in which is located 40 cm away from the vertical wall and 1.5m away from the side wall of the shielded room.
2. Each current-carrying conductor of the EUT power cord was individually connected through a 50Ω/50μH LISN, which is an input transducer to a spectrum analyzer or an EMI/Field Intensity Meter, to the input power source.
3. Exploratory measurements were made to identify the frequency of the emission that had the highest amplitude relative to the limit by operating the EUT in a range of typical modes of operation, cable position, and with a typical system equipment configuration and arrangement. Based on the exploratory tests of the EUT, the one EUT cable configuration and arrangement and mode of operation that had produced the emission with the highest amplitude relative to the limit was selected for the final measurement.
4. The final test on all current-carrying conductors of all of the power cords to the equipment that comprises the EUT (but not the cords associated with other non-EUT equipment is the system) was then performed over the frequency range of 0.15 MHz to 30 MHz.
5. The measurements were made with the detector set to peak amplitude within a bandwidth of 10 kHz or to quasi-peak and average within a bandwidth of 9 kHz. The EUT was in transmitting mode during the measurements.

Test results

Worst Case: UNII 5_802.11be_EHT160 SU mode_Middle Channel (6 185 MHz) / 2TX MIMO



Final Result

--- N_A Phase ---									
No.	Frequency [MHz]	Reading QP [dB(uV)]	Reading CAV [dB(uV)]	c.f [dB]	Result QP [dB(uV)]	Result CAV [dB(uV)]	Limit QP [dB(uV)]	Limit AV [dB(uV)]	Margin QP [dB]
1	0.15452	43.3	25.3	10.1	53.4	35.4	65.8	55.8	12.4
2	0.19455	35.3	18.8	10.1	45.4	28.9	63.8	53.8	18.4
3	0.50004	22.5	13.4	10.0	32.5	23.4	56.0	46.0	23.5
4	1.35898	13.1	7.9	9.9	23.0	17.8	56.0	46.0	33.0
5	6.59781	11.6	4.2	10.2	21.8	14.4	60.0	50.0	38.2
6	10.81234	11.6	5.7	10.4	22.0	16.1	60.0	50.0	38.0

--- L1_A Phase ---									
No.	Frequency [MHz]	Reading QP [dB(uV)]	Reading CAV [dB(uV)]	c.f [dB]	Result QP [dB(uV)]	Result CAV [dB(uV)]	Limit QP [dB(uV)]	Limit AV [dB(uV)]	Margin QP [dB]
1	0.18019	37.6	19.5	10.2	47.8	29.7	64.5	54.5	16.7
2	0.46592	19.4	12.5	10.0	29.4	22.5	56.6	46.6	27.2
3	0.95196	8.8	2.9	9.9	18.7	12.8	56.0	46.0	37.3
4	2.49652	9.9	4.4	10.0	19.9	14.4	56.0	46.0	36.1
5	3.60473	17.3	7.2	10.0	27.3	17.2	56.0	46.0	28.7
6	17.41645	14.2	6.8	10.8	25.0	17.6	60.0	50.0	35.0

Eurofins KCTL Co.,Ltd. 65, Sinwon-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Korea TEL: 82-70-5008-1021 FAX: 82-505-299-8311 www.kctl.co.kr	Report No.: KR25-SRF0005 Page (139) of (139)	
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8. Measurement equipment

Equipment Name	Manufacturer	Model No.	Serial No.	Next Cal. Date
Spectrum Analyzer	R&S	FSV30	100807	25.07.01
Attenuator	HUBER+SUHNER	6610_SK-50-1/199_NE	ATT02	25.10.15
DC Power Supply	AGILENT	E3632A	MY51220373	25.07.01
Signal Generator	R&S	SMB100A	176206	25.01.18
Vector Signal Generator	R&S	SMBV100A	257566	25.07.01
Power Sensor	R&S	NRP-Z81	1137.9009.02-106224-tg	25.07.01
Attenuator	R&S	DNF	0005	25.01.18
Spectrum Analyzer	R&S	FSV40	100988	25.05.27
PSA Spectrum Analyzer	Agilent	E4440A	MY44303500	25.07.02
Amplifier	SONOMA INSTRUMENT	310N	421910	25.10.11
Bilog Antenna	ETS.LINDGREN	3143B	00228420	25.07.20
Attenuator	Qualwave Inc.	QFA1802-18-6-N	22375090	25.01.19
Loop Antenna	R&S	HFH2-Z2	100355	26.06.25
DC Power Supply	POWERCOM	DCP-50100A	20220610-01	25.01.19
Spectrum Analyzer	R&S	FSVA40	101575	25.04.24
Broadband PreAmplifier	SCHWARZBECK	BBV9718D	57	25.01.19
Low Noise Amplifier	TESTEK	TK-PA18H	220124-L	25.10.11
Low Noise Amplifier	TESTEK	TK-PA1840H	220133-L	25.10.14
Horn Antenna	SCHWARZBECK	BBHA9120D	2763	25.10.24
Horn Antenna	SCHWARZBECK	BBHA9170	1267	25.10.15
High Pass Filter	Wainwright Instruments GmbH	WHKX12-2805-3000-18000-40SS	SN58	25.10.15
High Pass Filter	Wainwright Instruments GmbH	WHKX8-5655-6500-18000-40SS	SN8	25.10.15
High Pass Filter	QOTANA TECHNOLOGIES	DBHF0508004000A	23041800061	25.06.24
Band Reject Filter	Wainwright Instruments GmbH	WTRCJV8-5100-5850-20-100-50SSK	62	25.10.10
Attenuator	API Inmet	40AH2W-20	20	25.06.24
Attenuator	Weinschel ENGINEERING	56-10	51395	25.01.19
TWO-LINE V - NETWORK	R&S	ENV216	101358	25.10.13
EMI TEST RECEIVER	R&S	ESC13	101428	25.07.01
Signal Generator	R&S	SMB100A	176206	25.01.18

End of test report