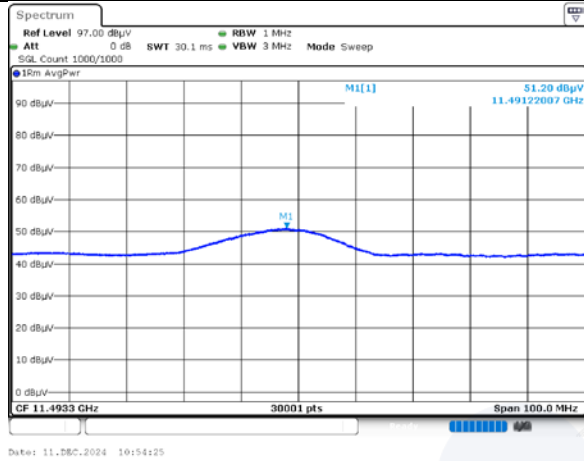


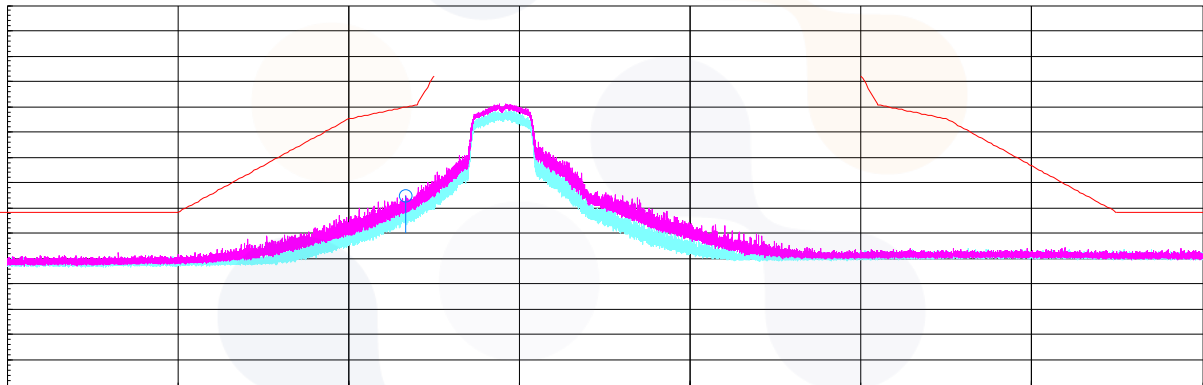
802.11ac_VHT20_Lowest Channel (5 745 MHz)

Average data



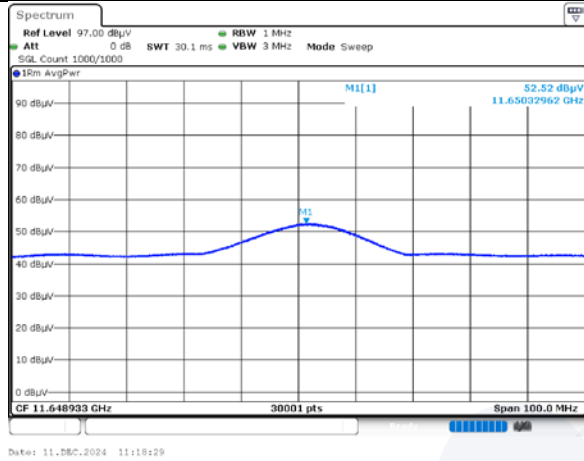
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Horizontal/Vertical for Band-edge



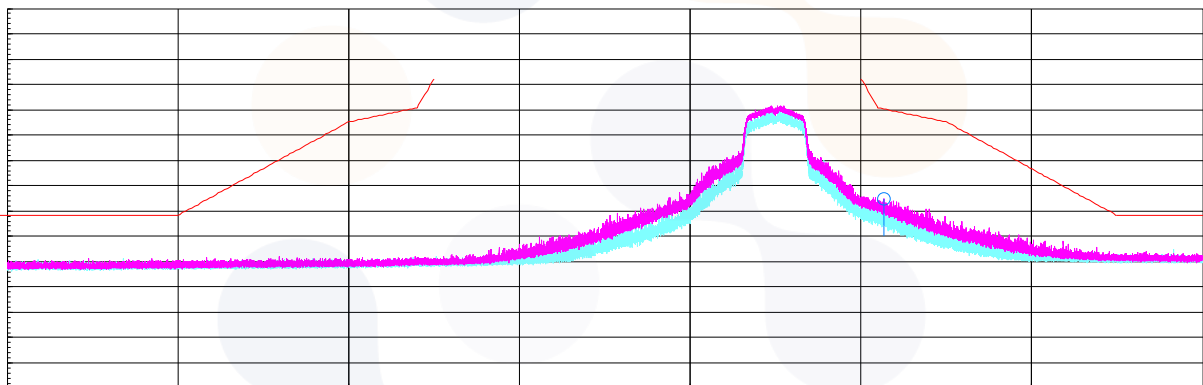
802.11ac_VHT20_Highest Channel (5 825 MHz)

Average data



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Horizontal/Vertical for Band-edge



802.11ac_VHT40_Lowest Channel (5 755 MHz)

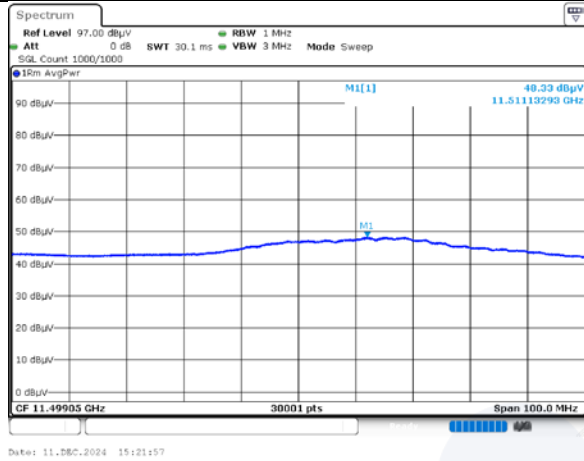
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 719.74	H	66.30	33.48	-26.16	-	73.62	110.70	37.08
11 511.13 ¹⁾	H	57.30	38.88	-43.06	-	53.12	74.00	20.88
17 247.52	V	54.40	38.19	-41.86	-	50.73	68.20	17.47
Average Data								
11 511.13 ¹⁾	H	48.33	38.88	-43.06	2.21	46.36	54.00	7.64

802.11ac_VHT40_Highest Channel (5 795 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								
5 857.27	H	54.90	34.23	-25.92	-	63.21	110.20	46.99
11 583.57 ¹⁾	H	58.10	38.73	-42.83	-	54.00	74.00	20.00
17 374.40	H	55.30	38.55	-42.11	-	51.74	68.20	16.46
Average Data								
11 583.57 ¹⁾	H	48.15	38.73	-42.83	2.21	46.26	54.00	7.74

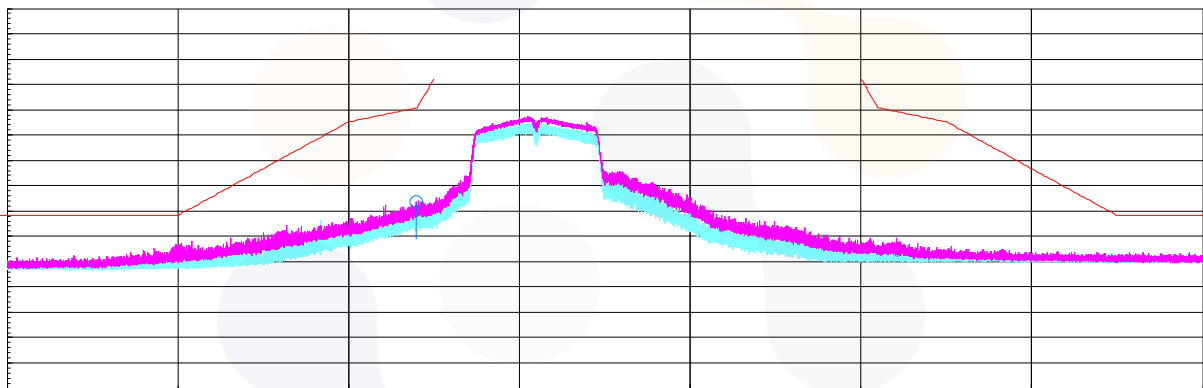
802.11ac_VHT40_Lowest Channel (5 755 MHz)

Average data



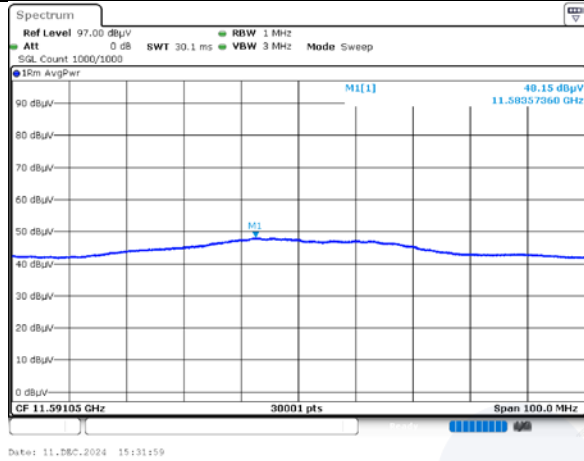
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Horizontal/Vertical for Band-edge



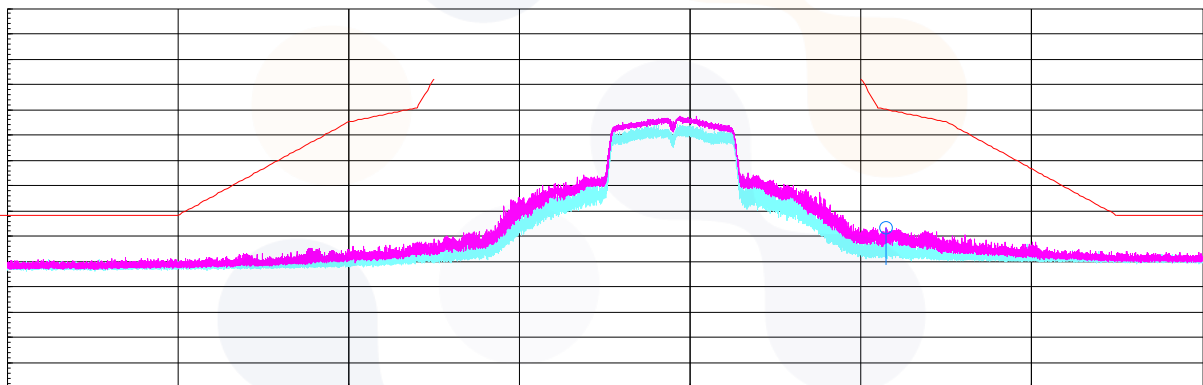
802.11ac_VHT40_Highest Channel (5 795 MHz)

Average data



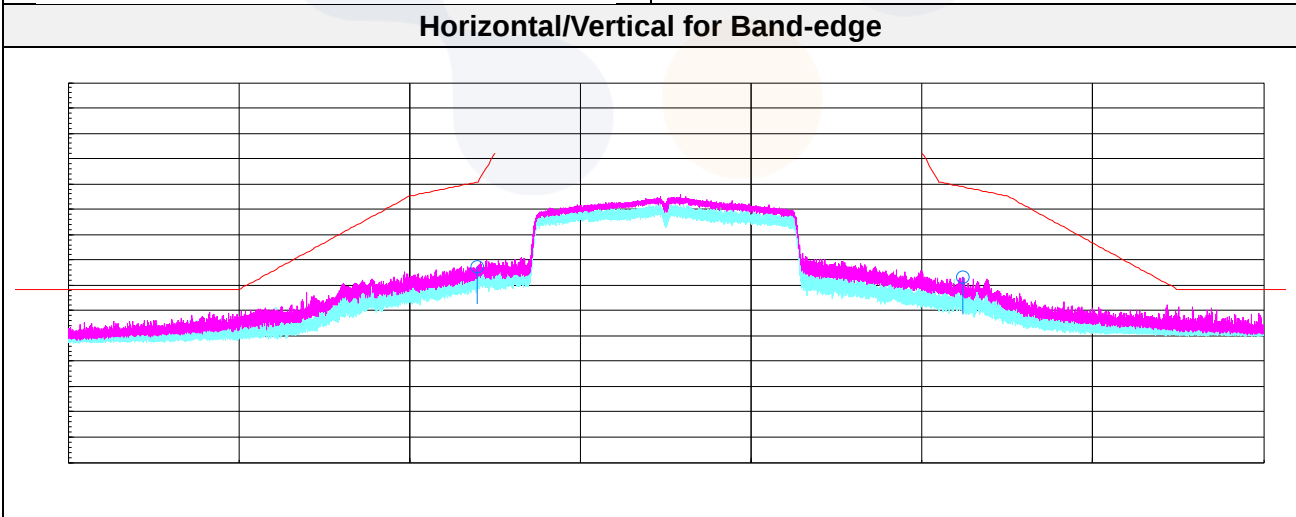
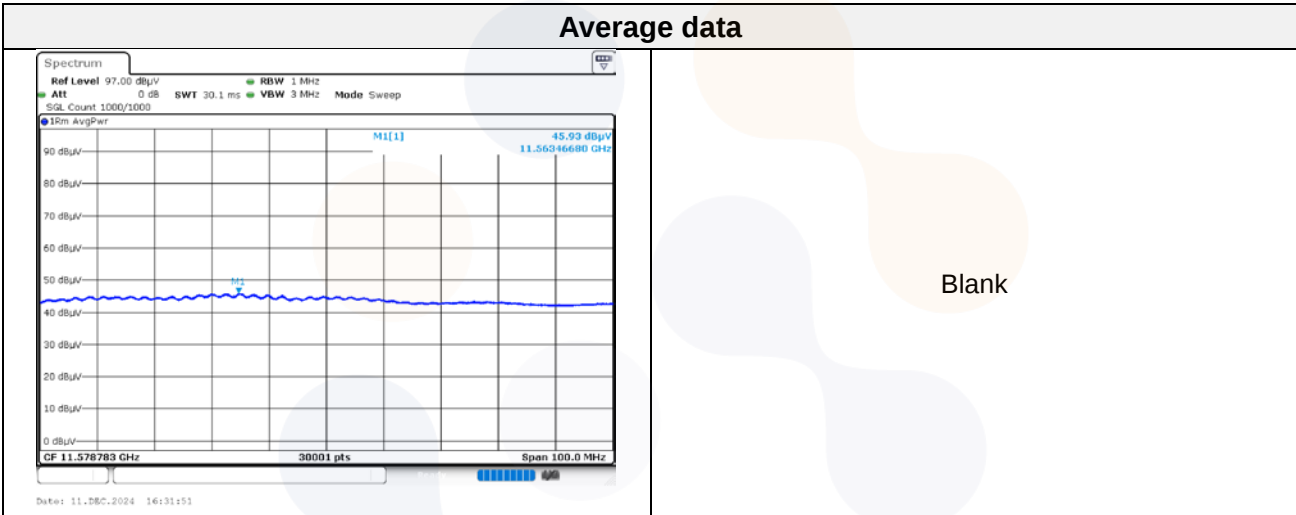
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Horizontal/Vertical for Band-edge



802.11ac_VHT80_Middle Channel (5 775 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								
5 719.88	H	69.90	33.48	-26.16	-	77.22	110.80	33.58
5 861.96	H	64.90	34.25	-25.92	-	73.23	108.80	35.57
11 563.47	H	57.60	38.77	-42.89	-	53.48	74.00	20.52
17 305.40	V	53.90	38.42	-41.97	-	50.35	68.20	17.85
Average Data								
11 563.47	H	45.93	38.77	-42.89	3.68	45.49	54.00	8.51



802.11be_EHT20_Lowest Channel (5 745 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								
5 719.74	H	68.80	33.48	-26.16	-	76.12	110.70	34.58
11 490.96 ¹⁾	H	60.20	38.92	-43.13	-	55.99	74.00	18.01
17 238.32	V	56.20	38.15	-41.87	-	52.48	68.20	15.72
Average Data								
11 490.96 ¹⁾	H	49.46	38.92	-43.13	3.39	48.64	54.00	5.36

802.11be_EHT20_Middle Channel (5 785 MHz)

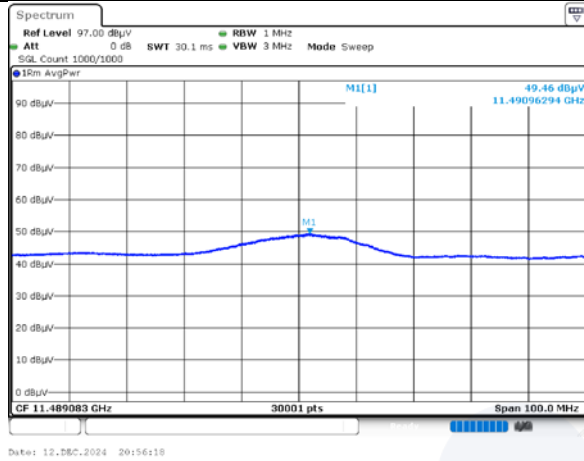
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
11 571.20 ¹⁾	H	60.30	38.76	-42.87	-	56.19	74.00	17.81
17 394.72	V	55.50	38.59	-42.16	-	51.93	68.20	16.27
Average Data								
11 571.20 ¹⁾	H	47.43	38.76	-42.87	3.39	46.71	54.00	7.29

802.11be_EHT20_Highest Channel (5 825 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								
5 856.94	H	66.20	34.23	-25.92	-	74.51	110.30	35.79
11 651.08 ¹⁾	V	62.20	38.60	-42.60	-	58.20	74.00	15.80
17 476.75	V	57.50	39.16	-42.32	-	54.34	68.20	13.86
Average Data								
11 651.08 ¹⁾	V	50.72	38.60	-42.60	3.39	50.11	54.00	3.89

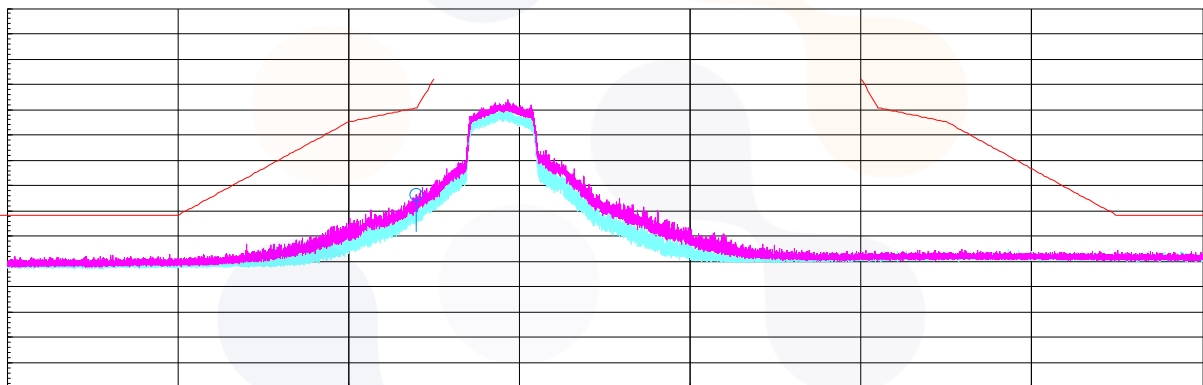
802.11be_EHT20_Lowest Channel (5 745 MHz)

Average data



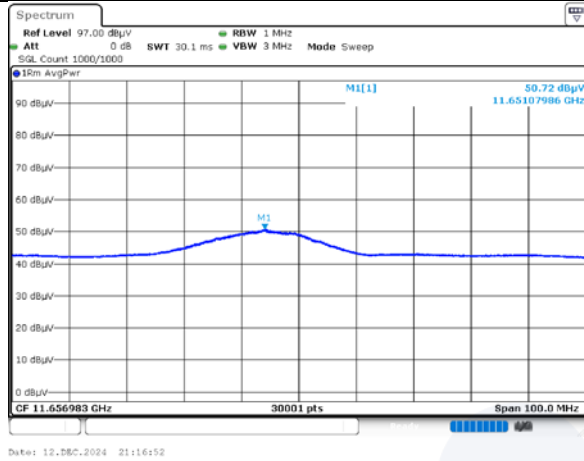
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Horizontal/Vertical for Band-edge



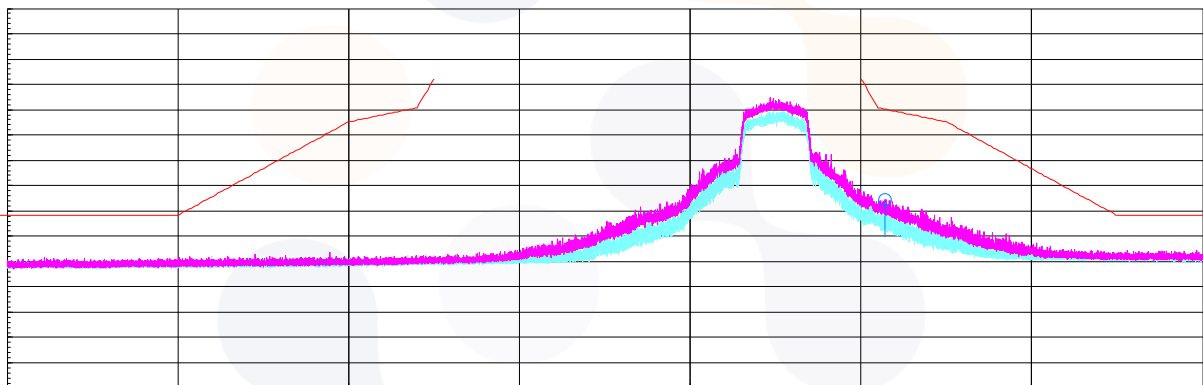
802.11be_EHT20_Highest Channel (5 825 MHz)

Average data



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Horizontal/Vertical for Band-edge



802.11be_EHT40_Lowest Channel (5 755 MHz)

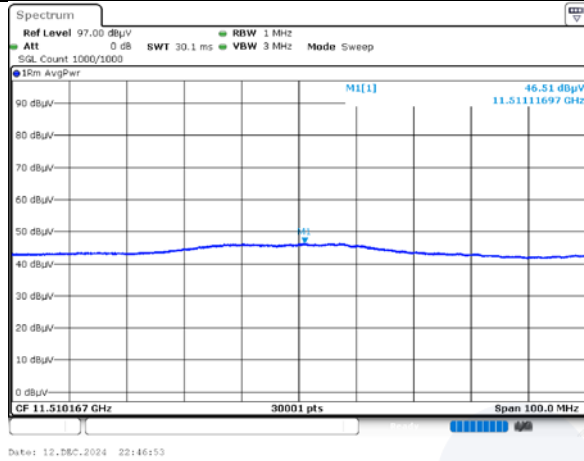
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 717.30	H	69.20	33.47	-26.16	-	76.51	110.00	33.49
11 511.12 ¹⁾	V	57.30	38.88	-43.06	-	53.12	74.00	20.88
17 262.08	V	55.30	38.25	-41.88	-	51.67	68.20	16.53
Average Data								
11 511.12 ¹⁾	V	46.51	38.88	-43.06	3.39	45.72	54.00	8.28

802.11be_EHT40_Highest Channel (5 795 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								
5 857.67	H	58.30	34.23	-25.92	-	66.61	110.10	43.49
11 588.67 ¹⁾	H	59.30	38.72	-42.81	-	55.21	74.00	18.79
17 405.07	H	55.00	38.72	-42.18	-	51.54	68.20	16.66
Average Data								
11 588.67 ¹⁾	H	47.09	38.72	-42.81	3.39	46.39	54.00	7.61

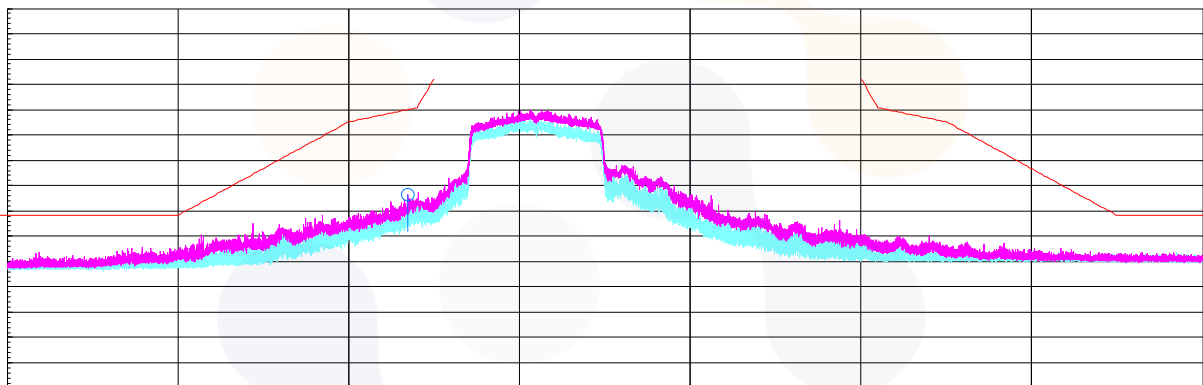
802.11be_EHT40_Lowest Channel (5 755 MHz)

Average data



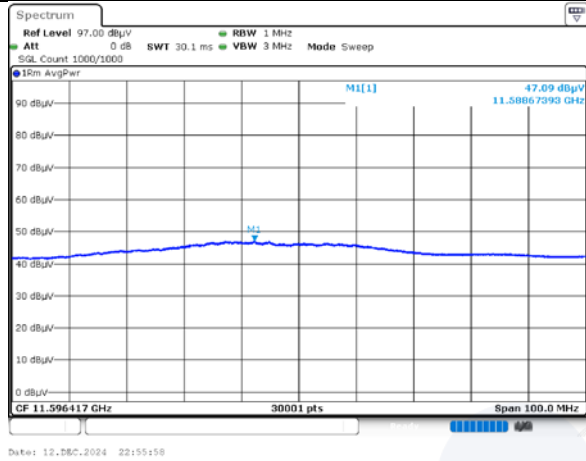
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Horizontal/Vertical for Band-edge



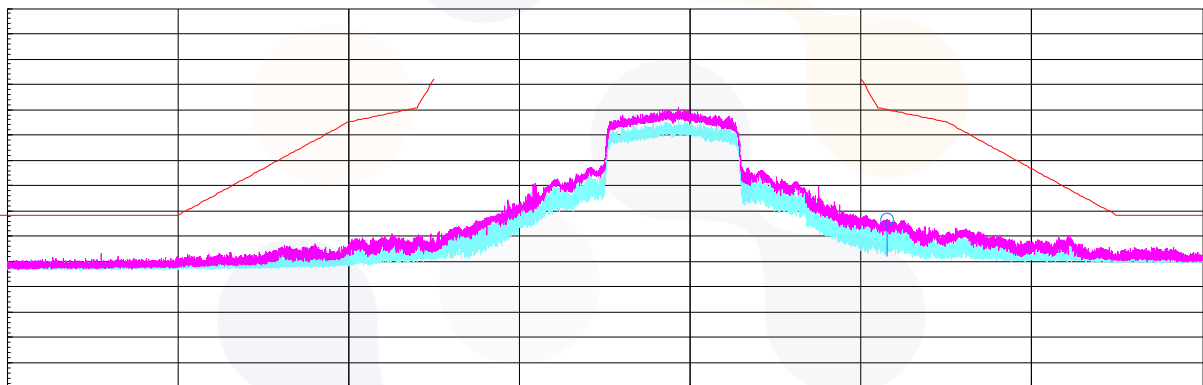
802.11be_EHT40_Highest Channel (5 795 MHz)

Average data



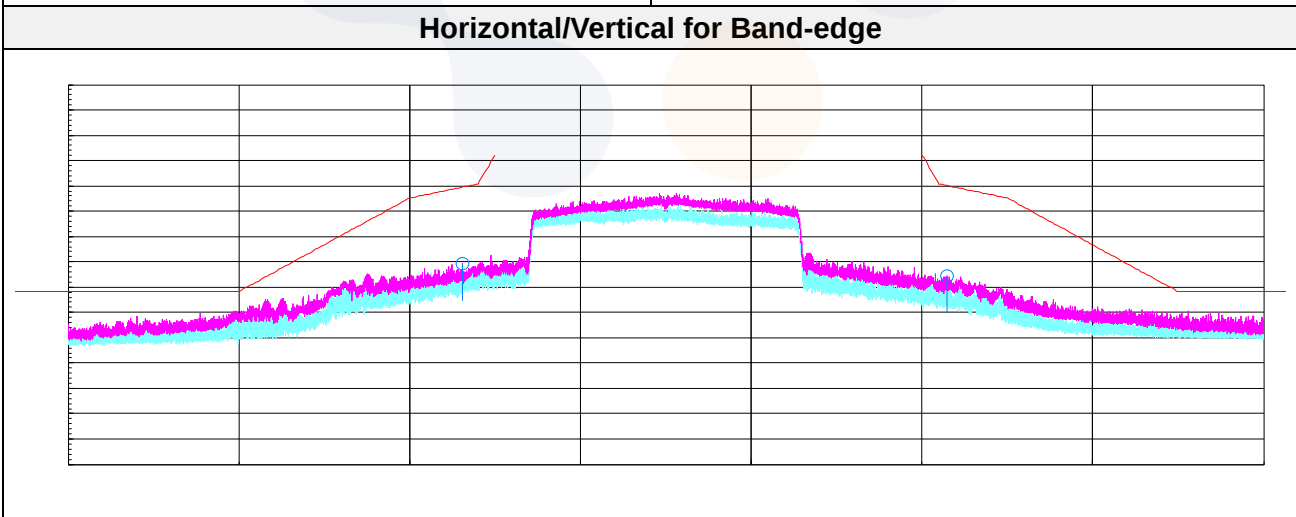
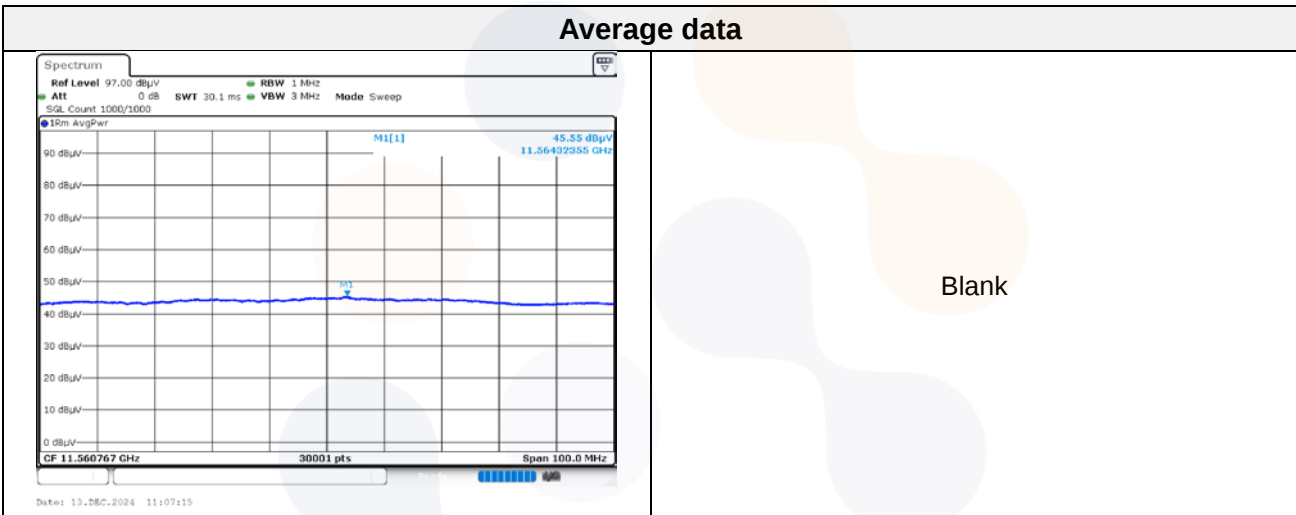
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Horizontal/Vertical for Band-edge



802.11be_EHT80_Middle Channel (5 775 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								
5 715.37	H	71.90	33.46	-26.17	-	79.19	109.50	30.31
5 857.32	H	66.20	34.23	-25.92	-	74.51	110.10	35.59
11 564.32 ¹⁾	H	56.40	38.77	-42.89	-	52.28	74.00	21.72
17 364.82	H	55.10	38.53	-42.09	-	51.54	68.20	16.66
Average Data								
11 564.32 ¹⁾	H	45.55	38.77	-42.89	3.50	44.93	54.00	9.07



UNII-3 2TX MIMO

802.11n_HT20_Lowest Channel (5 745 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								
5 722.72	H	74.50	33.49	-26.15	-	81.84	117.00	35.16
11 491.35 ¹⁾	H	61.60	38.92	-43.13	-	57.39	74.00	16.61
17 234.87	V	56.40	38.14	-41.87	-	52.67	68.20	15.53
Average Data								
11 491.35 ¹⁾	H	52.21	38.92	-43.13	1.25	49.25	54.00	4.75

802.11n_HT20_Middle Channel (5 785 MHz)

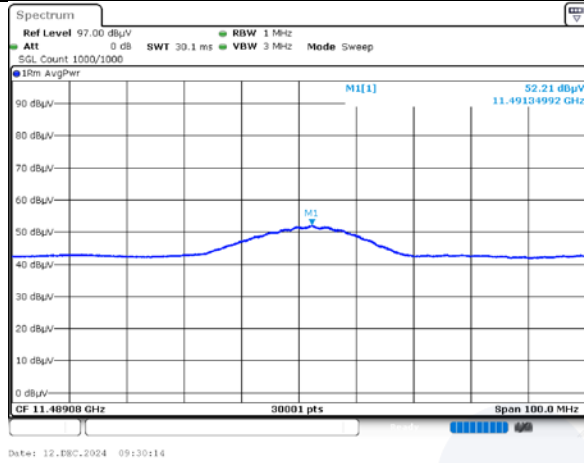
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
11 569.86 ¹⁾	V	60.40	38.76	-42.87	-	56.29	74.00	17.71
17 362.52	V	53.70	38.53	-42.09	-	50.14	68.20	18.06
Average Data								
11 569.86 ¹⁾	V	53.01	38.76	-42.87	1.25	50.15	54.00	3.85

802.11n_HT20_Highest Channel (5 825 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								
5 857.87	H	65.40	34.23	-25.92	-	73.71	110.00	36.29
11 650.07 ¹⁾	H	61.00	38.60	-42.61	-	56.99	74.00	17.01
17 472.92	V	52.40	39.14	-42.31	-	49.23	68.20	18.97
Average Data								
11 650.07 ¹⁾	H	50.59	38.60	-42.61	1.25	47.83	54.00	6.17

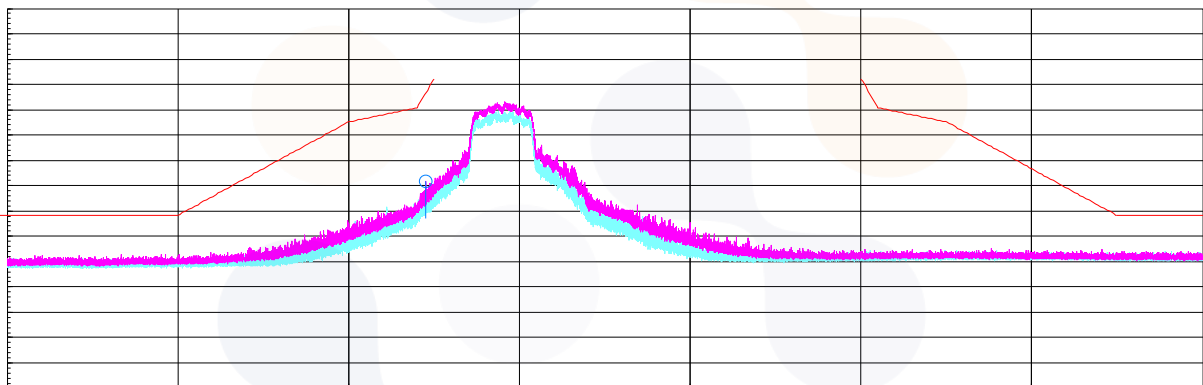
802.11n_HT20_Lowest Channel (5 745 MHz)

Average data



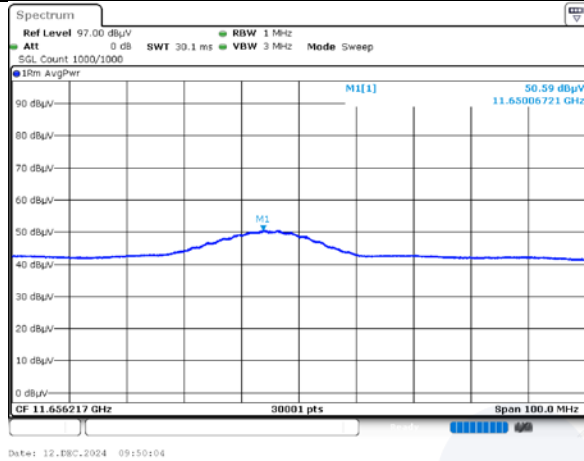
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Horizontal/Vertical for Band-edge



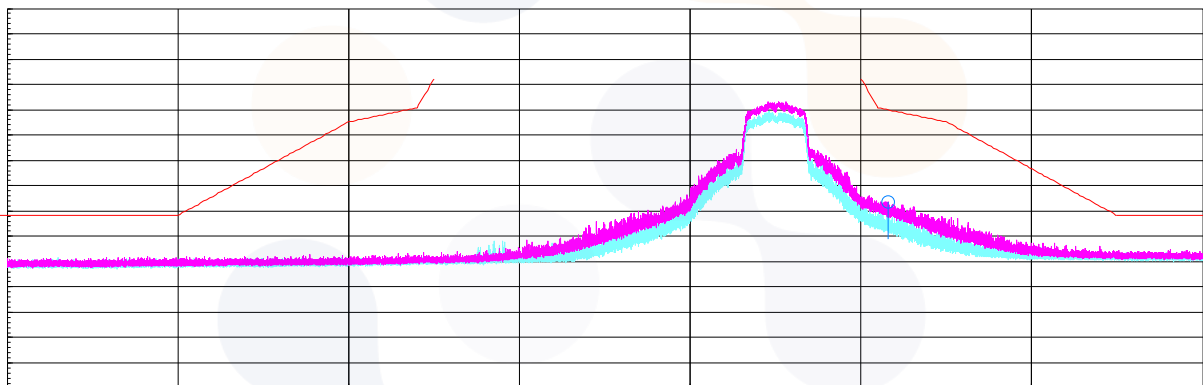
802.11n_HT20_Highest Channel (5 825 MHz)

Average data



Blank

Horizontal/Vertical for Band-edge



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-SRF0003 Page (130) of (150)	 
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802.11n_HT40_Lowest Channel (5 755 MHz)

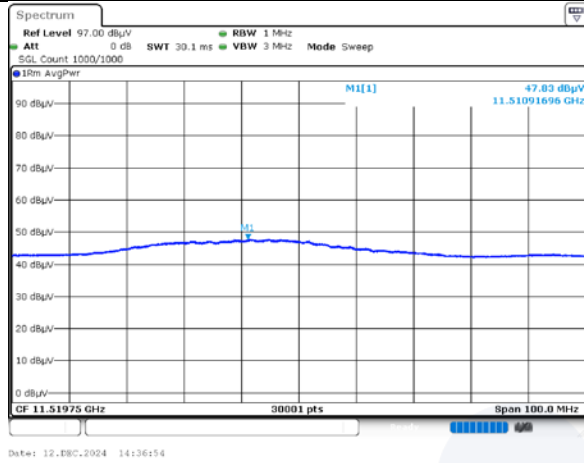
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 719.93	H	68.40	33.48	-26.16	-	75.72	110.80	35.08
11 510.92 ¹⁾	H	57.60	38.88	-43.06	-	53.42	74.00	20.58
17 211.10	V	54.50	38.04	-41.89	-	50.65	68.20	17.55
Average Data								
11 510.92 ¹⁾	H	47.83	38.88	-43.06	2.25	45.90	54.00	8.10

802.11n_HT40_Highest Channel (5 795 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								
5 858.78	H	57.00	34.24	-25.92	-	65.32	109.70	44.38
11 583.33 ¹⁾	V	57.10	38.73	-42.83	-	53.00	74.00	21.00
17 406.60	H	53.90	38.73	-42.18	-	50.45	68.20	17.75
Average Data								
11 583.33 ¹⁾	V	46.37	38.73	-42.83	2.25	44.52	54.00	9.48

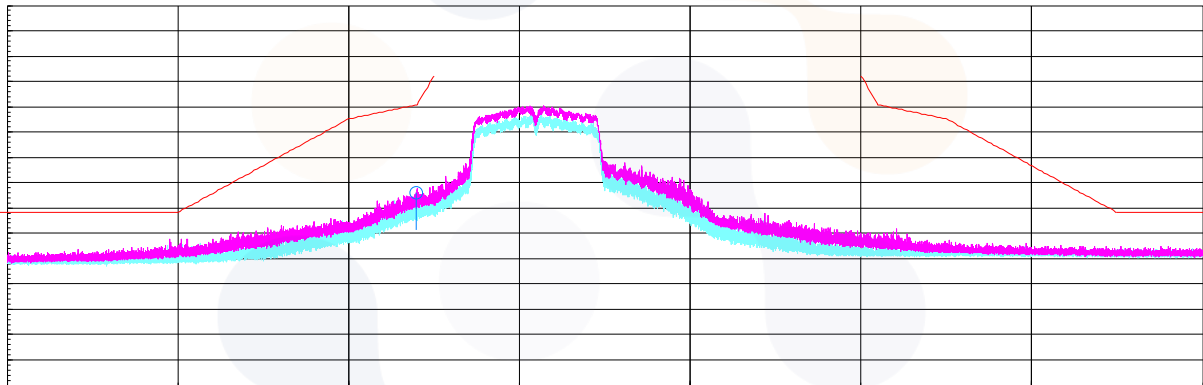
802.11n_HT40_Lowest Channel (5 755 MHz)

Average data



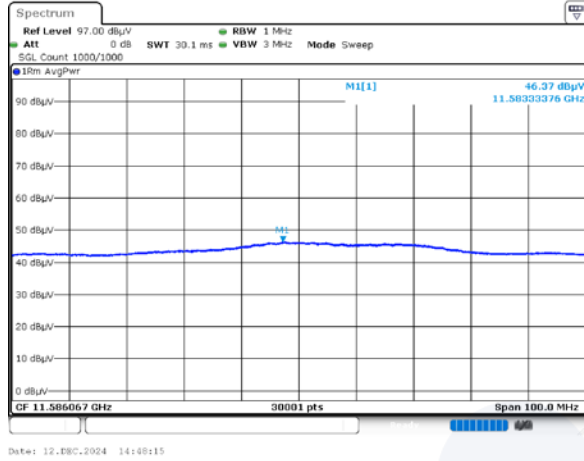
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Horizontal/Vertical for Band-edge



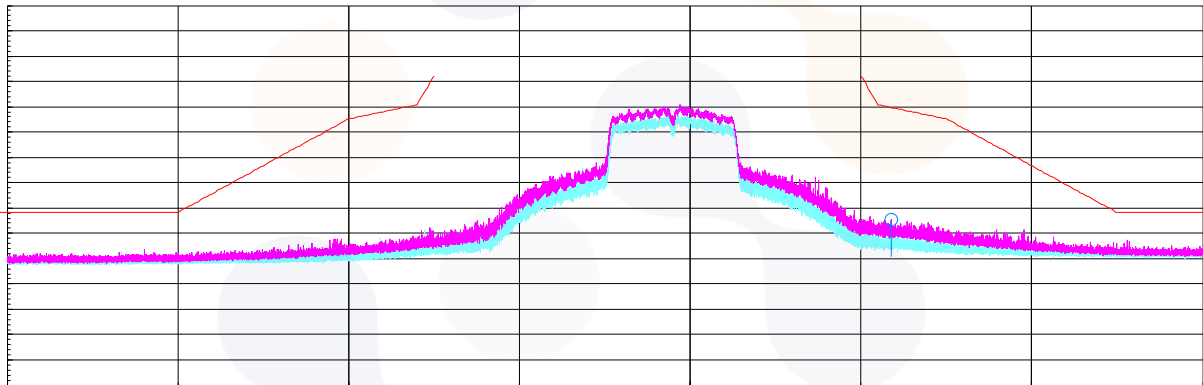
802.11n_HT40_Highest Channel (5 795 MHz)

Average data



Blank

Horizontal/Vertical for Band-edge



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-SRF0003 Page (133) of (150)	
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802.11ac_VHT20_Lowest Channel (5 745 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								
5 716.11	V	65.60	33.46	-26.17	-	72.89	109.70	36.81
11 491.46 ¹⁾	H	61.80	38.92	-43.13	-	57.59	74.00	16.41
17 236.02	V	54.90	38.14	-41.87	-	51.17	68.20	17.03
Average Data								
11 491.46 ¹⁾	H	51.40	38.92	-43.13	2.14	49.33	54.00	4.67

802.11ac_VHT20_Middle Channel (5 785 MHz)

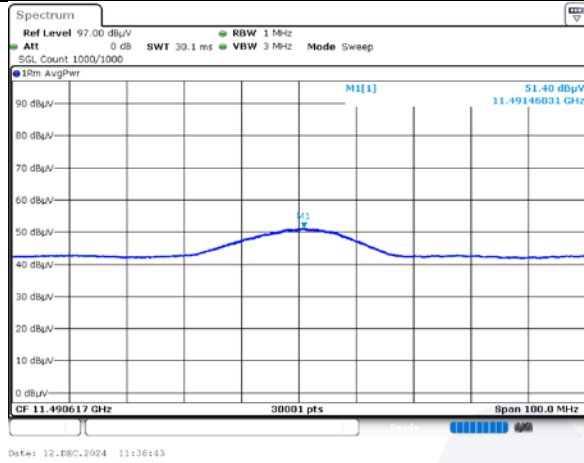
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
11 571.07 ¹⁾	H	59.30	38.76	-42.87	-	55.19	74.00	18.81
17 346.03	H	53.30	38.58	-42.06	-	49.82	68.20	18.38
Average Data								
11 571.07 ¹⁾	H	49.00	38.76	-42.87	2.14	47.03	54.00	6.97

802.11ac_VHT20_Highest Channel (5 825 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								
5 855.47	H	65.20	34.22	-25.93	-	73.49	110.70	37.21
11 651.41 ¹⁾	V	60.30	38.60	-42.60	-	56.30	74.00	17.70
17 452.60	H	52.80	39.02	-42.27	-	49.55	68.20	18.65
Average Data								
11 651.41 ¹⁾	V	51.71	38.60	-42.60	2.14	49.85	54.00	4.15

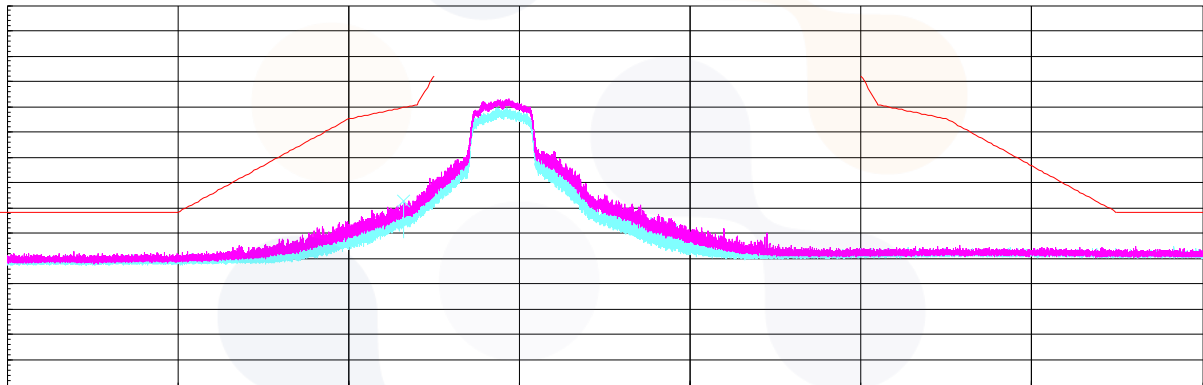
802.11ac_VHT20_Lowest Channel (5 745 MHz)

Average data



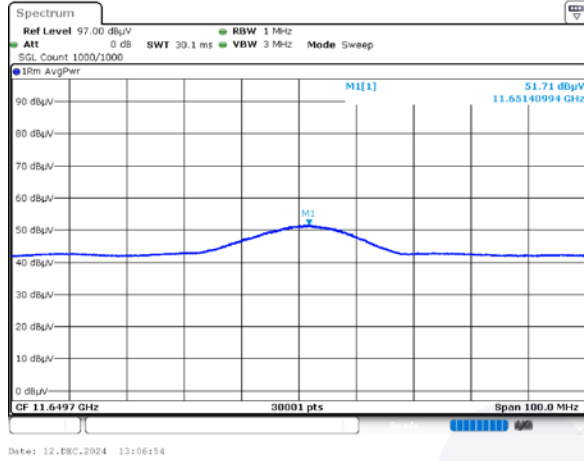
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Horizontal/Vertical for Band-edge



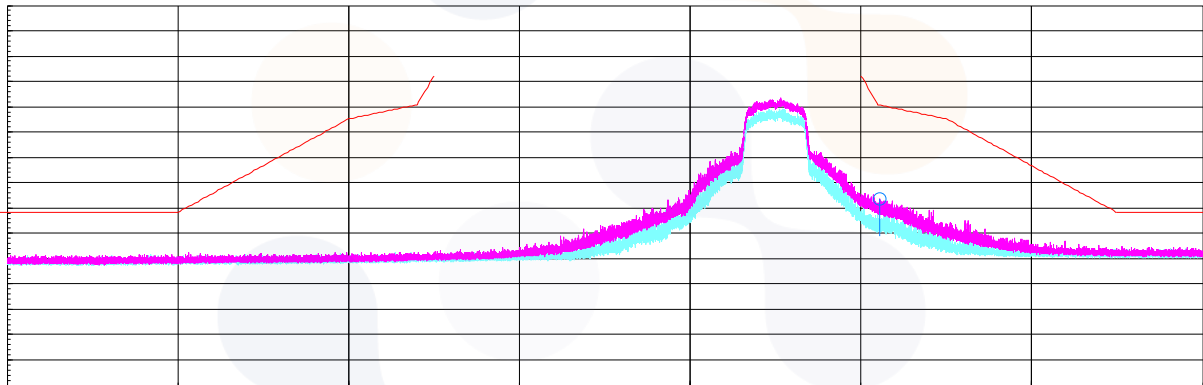
802.11ac_VHT20_Highest Channel (5 825 MHz)

Average data



Blank

Horizontal/Vertical for Band-edge



802.11ac_VHT40_Lowest Channel (5 755 MHz)

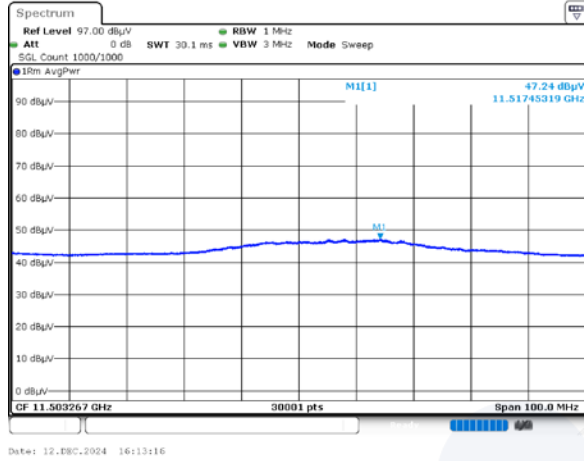
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 719.68	H	67.50	33.48	-26.16	-	74.82	110.70	35.88
11 517.45 ¹⁾	H	57.60	38.87	-43.04	-	53.43	74.00	20.57
17 227.97	V	54.40	38.11	-41.88	-	50.63	68.20	17.57
Average Data								
11 517.45 ¹⁾	H	47.24	38.87	-43.04	3.47	46.54	54.00	7.46

802.11ac_VHT40_Highest Channel (5 795 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								
5 861.32	H	55.90	34.25	-25.92	-	64.23	109.00	44.77
11 588.56 ¹⁾	H	57.10	38.72	-42.81	-	53.01	74.00	20.99
17 283.55	V	53.90	38.33	-41.93	-	50.30	68.20	17.90
Average Data								
11 588.56 ¹⁾	H	45.89	38.72	-42.81	3.47	45.27	54.00	8.73

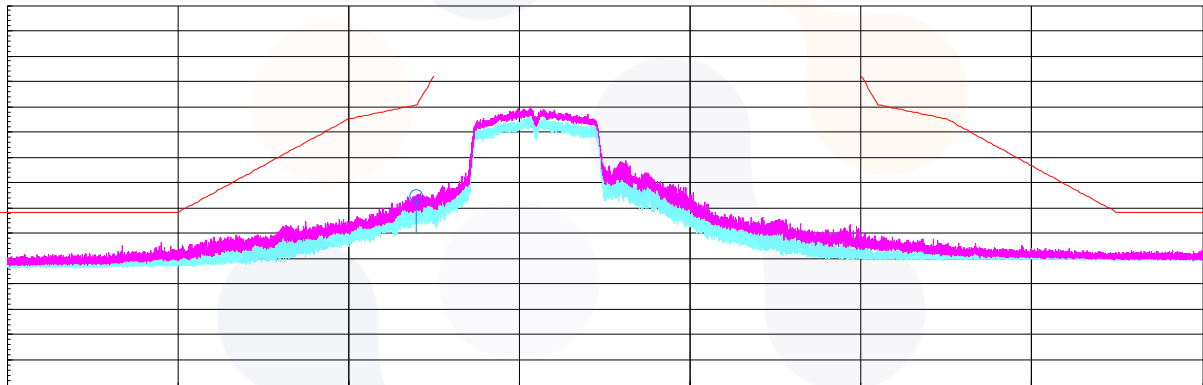
802.11ac_VHT40_Lowest Channel (5 755 MHz)

Average data



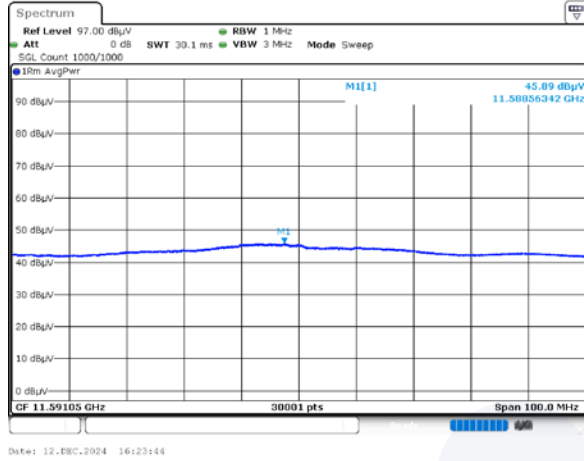
Blank

Horizontal/Vertical for Band-edge



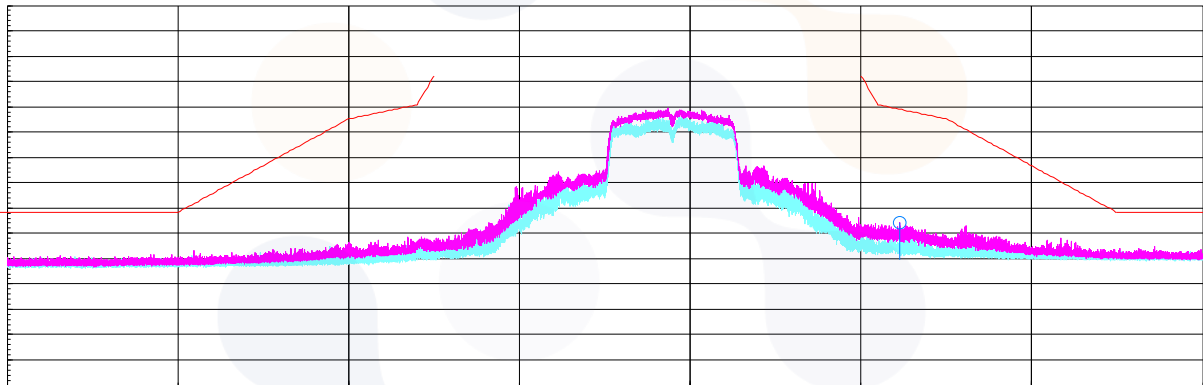
802.11ac_VHT40_Highest Channel (5 795 MHz)

Average data



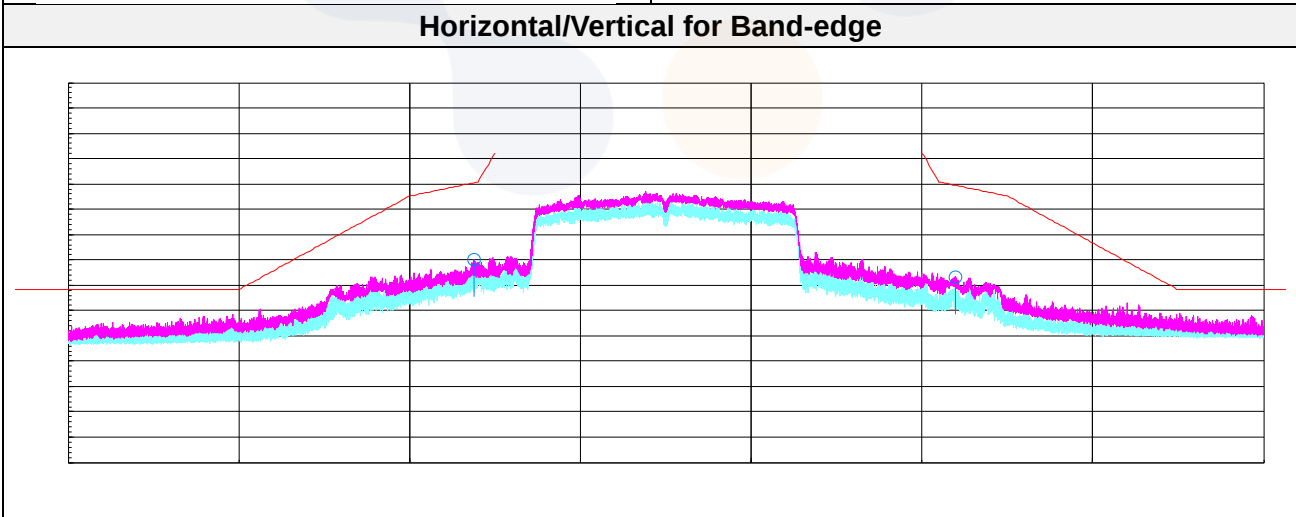
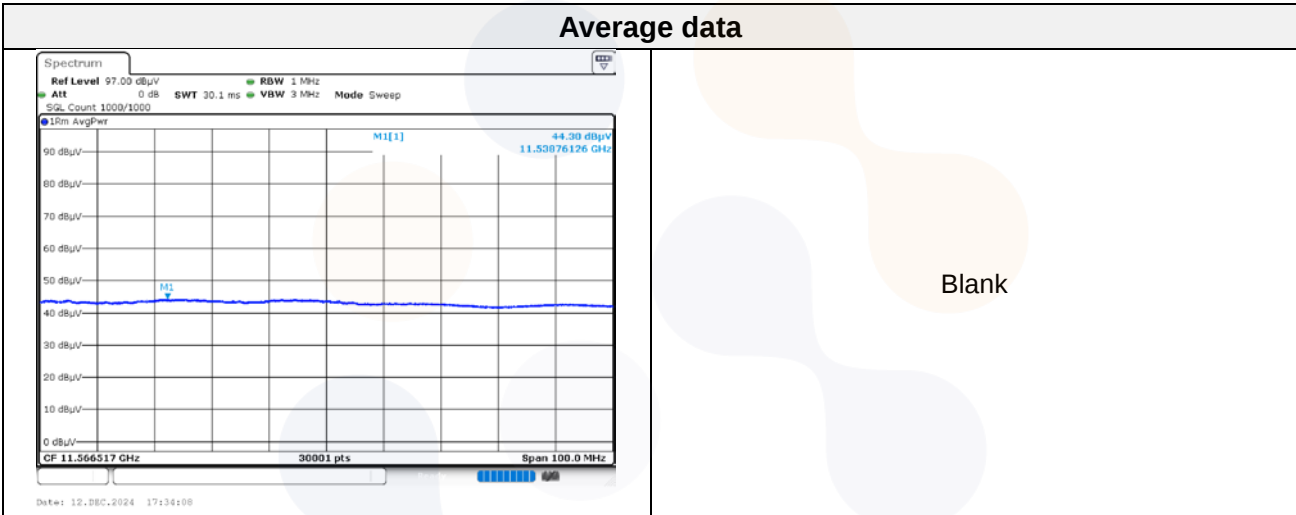
Blank

Horizontal/Vertical for Band-edge



802.11ac_VHT80_Middle Channel (5 775 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								
5 718.84	H	72.50	33.48	-26.16	-	79.82	110.50	30.68
5 859.93	H	65.10	34.24	-25.92	-	73.42	109.40	35.98
11 538.76 ¹⁾	V	55.80	38.82	-42.97	-	51.65	74.00	22.35
17 391.27	H	52.90	38.58	-42.15	-	49.33	68.20	18.87
Average Data								
11 538.76 ¹⁾	V	44.30	38.82	-42.97	5.17	45.32	54.00	8.68



802.11be_EHT20_Lowest Channel (5 745 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								
5 718.84	H	66.80	33.48	-26.16	-	74.12	110.50	36.38
11 491.36 ¹⁾	V	61.50	38.92	-43.13	-	57.29	74.00	16.71
17 241.00	V	55.50	38.16	-41.87	-	51.79	68.20	16.41
Average Data								
11 491.36 ¹⁾	V	49.49	38.92	-43.13	4.51	49.79	54.00	4.21

802.11be_EHT20_Middle Channel (5 785 MHz)

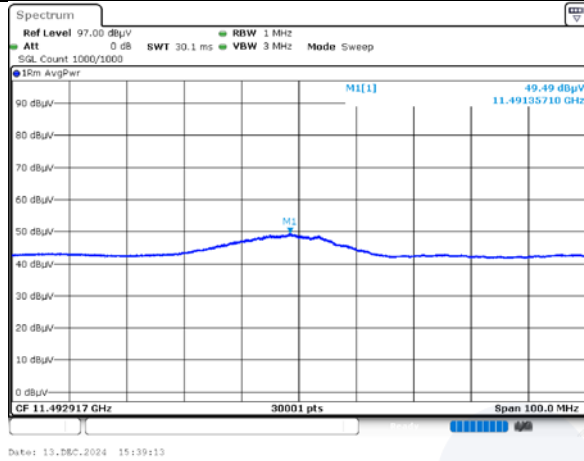
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
11 567.84 ¹⁾	V	61.60	38.76	-42.88	-	57.48	74.00	16.52
17 365.58	V	54.00	38.53	-42.10	-	50.43	68.20	17.77
Average Data								
11 567.84 ¹⁾	V	49.71	38.76	-42.88	4.51	50.10	54.00	3.90

802.11be_EHT20_Highest Channel (5 825 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								
5 855.42	H	65.40	34.22	-25.93	-	73.69	110.70	37.01
11 651.45 ¹⁾	V	60.00	38.60	-42.60	-	56.00	74.00	18.00
17 471.38	V	55.10	39.13	-42.31	-	51.92	68.20	16.28
Average Data								
11 651.45 ¹⁾	V	49.12	38.60	-42.60	4.51	49.63	54.00	4.37

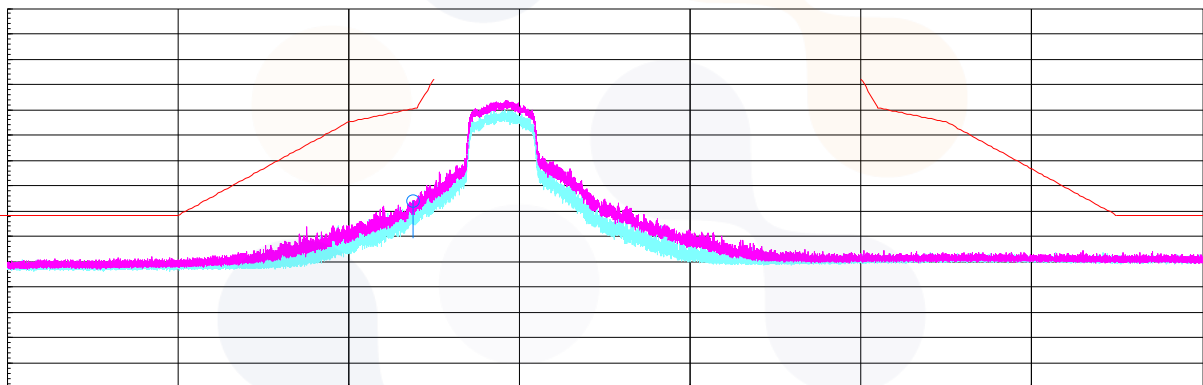
802.11be_EHT20_Lowest Channel (5 745 MHz)

Average data



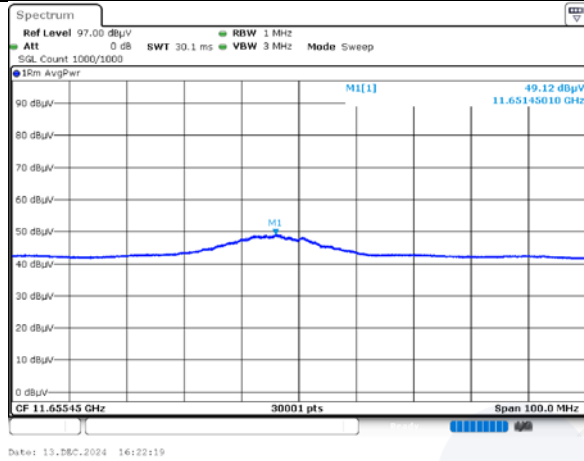
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Horizontal/Vertical for Band-edge



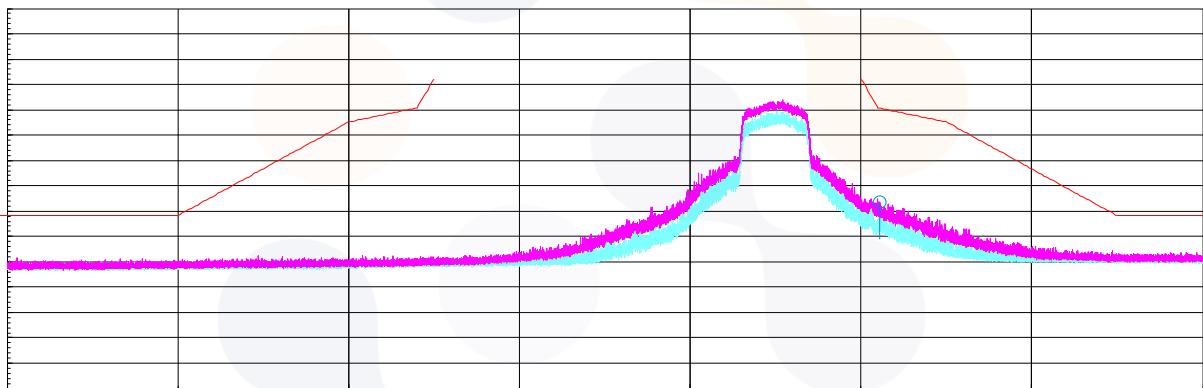
802.11be_EHT20_Highest Channel (5 825 MHz)

Average data



Blank

Horizontal/Vertical for Band-edge



802.11be_EHT40_Lowest Channel (5 755 MHz)

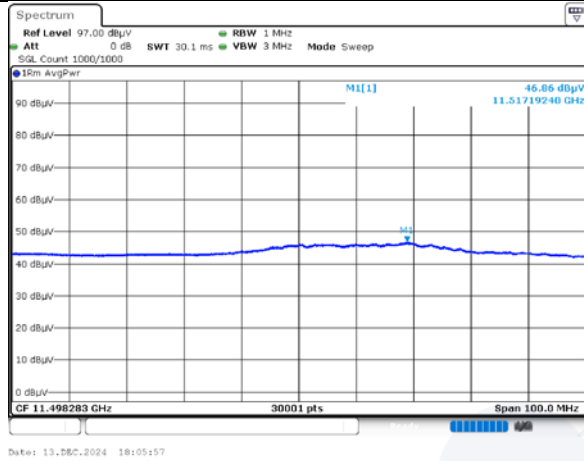
Frequency	Pol.	Reading	Ant. Factor	Amp.+Cable	DCF	Result	Limit	Margin
(MHz)	(V/H)	(dB(μV))	(dB)	(dB)	(dB)	(dB(μV/m))	(dB(μV/m))	(dB)
Peak data								
5 719.81	H	70.70	33.48	-26.16	-	78.02	110.70	32.68
11 517.19 ¹⁾	H	57.30	38.87	-43.04	-	53.13	74.00	20.87
17 227.58	V	54.90	38.11	-41.88	-	51.13	68.20	17.07
Average Data								
11 517.19 ¹⁾	H	46.86	38.87	-43.04	4.48	47.17	54.00	6.83

802.11be_EHT40_Highest Channel (5 795 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								
5 858.98	H	59.50	34.24	-25.92	-	67.82	109.70	41.88
11 583.76 ¹⁾	H	58.10	38.73	-42.83	-	54.00	74.00	20.00
17 370.57	H	54.70	38.54	-42.11	-	51.13	68.20	17.07
Average Data								
11 583.76 ¹⁾	H	46.91	38.73	-42.83	4.48	47.29	54.00	6.71

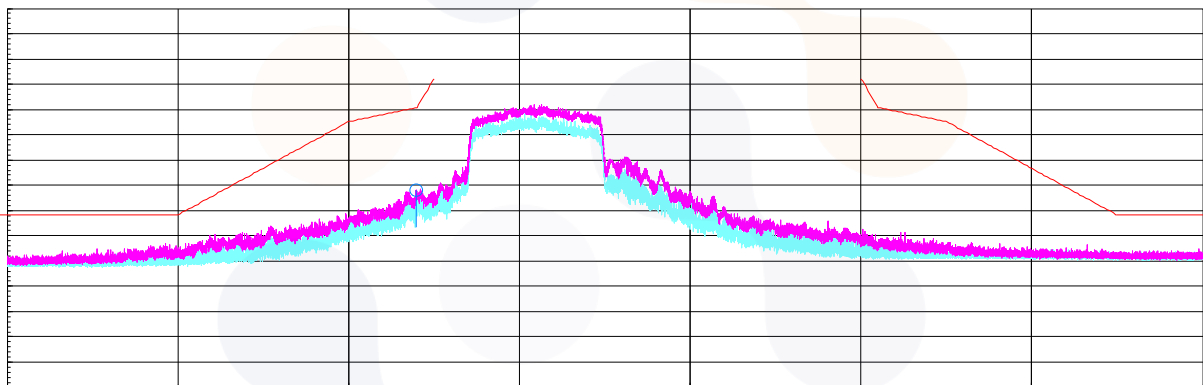
802.11be_EHT40_Lowest Channel (5 755 MHz)

Average data



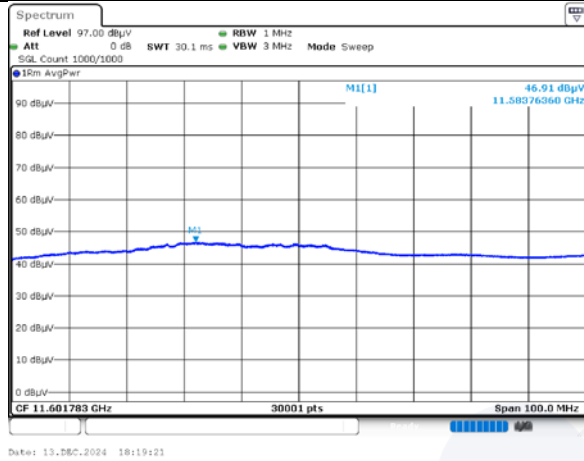
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Horizontal/Vertical for Band-edge



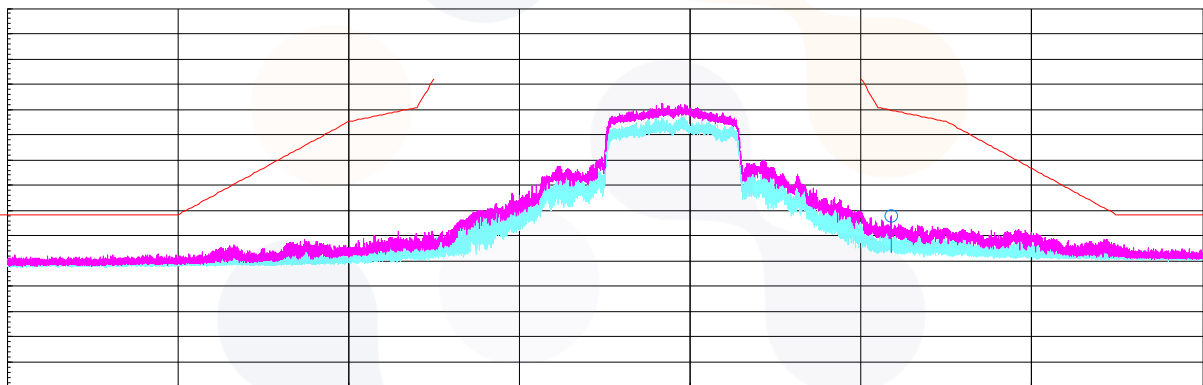
802.11be_EHT40_Highest Channel (5 795 MHz)

Average data



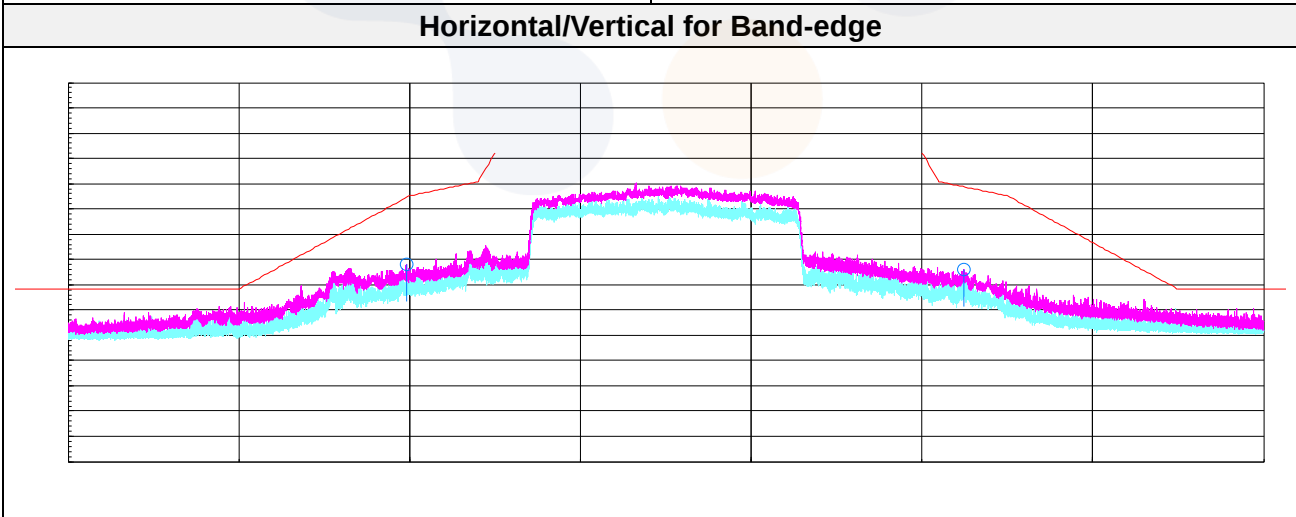
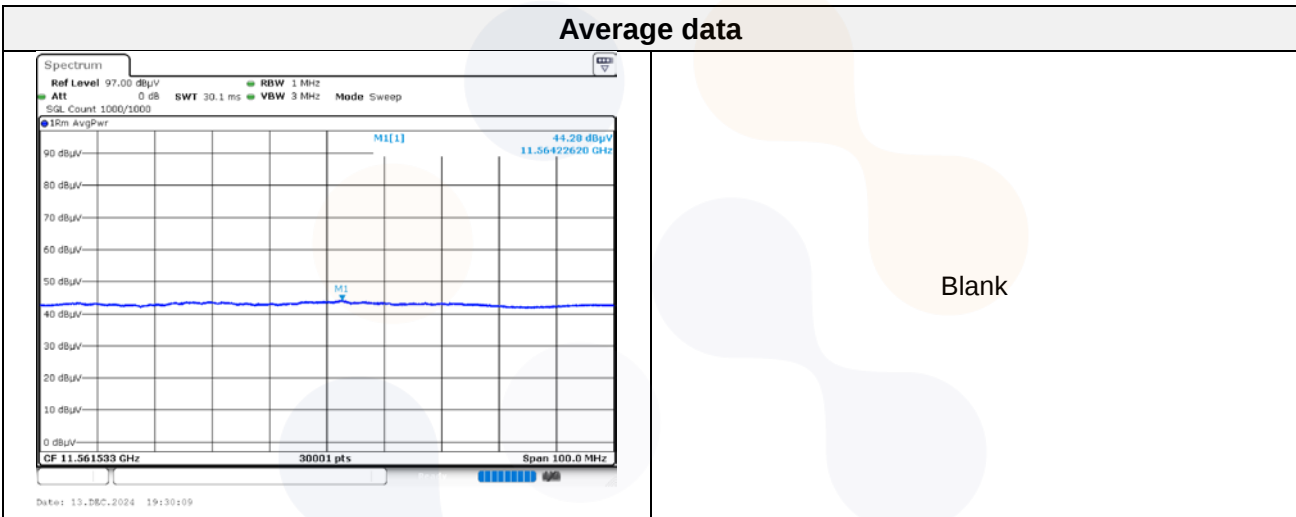
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Horizontal/Vertical for Band-edge



802.11be_EHT80_Middle Channel (5 775 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								
5 699.05	H	70.80	33.30	-26.21	-	77.89	104.50	26.61
5 862.16	H	67.80	34.25	-25.92	-	76.13	108.80	32.67
11 564.23 ¹⁾	V	56.50	38.77	-42.89	-	52.38	74.00	21.62
17 296.58	H	54.30	38.39	-41.96	-	50.73	68.20	17.47
Average Data								
11 564.23 ¹⁾	V	44.28	38.77	-42.89	4.61	44.77	54.00	9.23

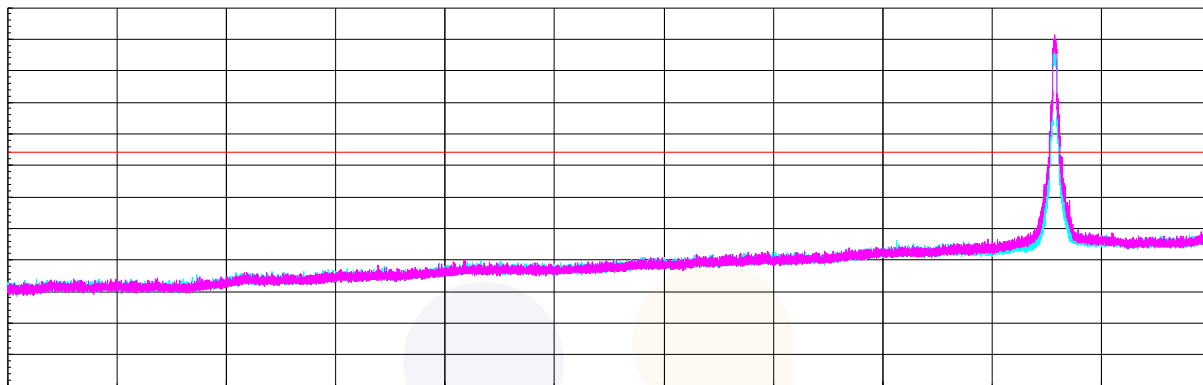


Plot of Harmonics and Spurious Emissions

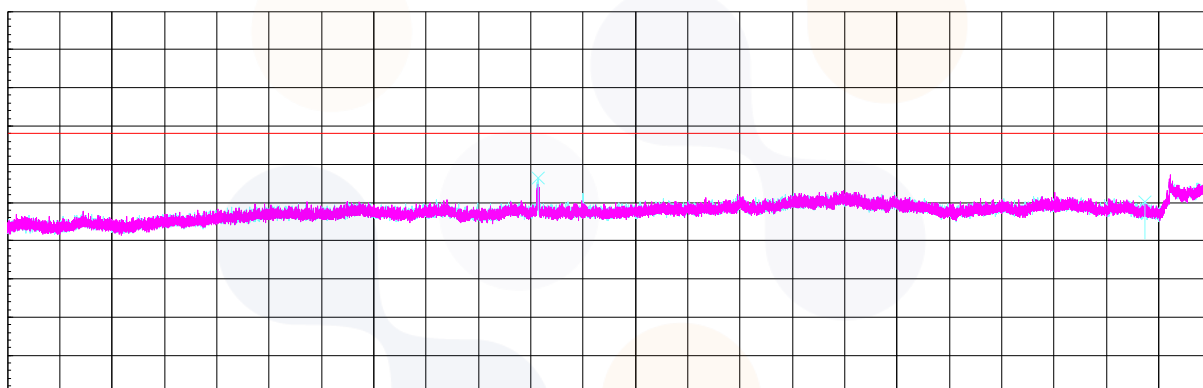
In order to simplify the report, attached plots were only the lowest margin condition

802.11n HT20_UNII-3_2TX MIMO_Middle Channel (5 785 MHz)

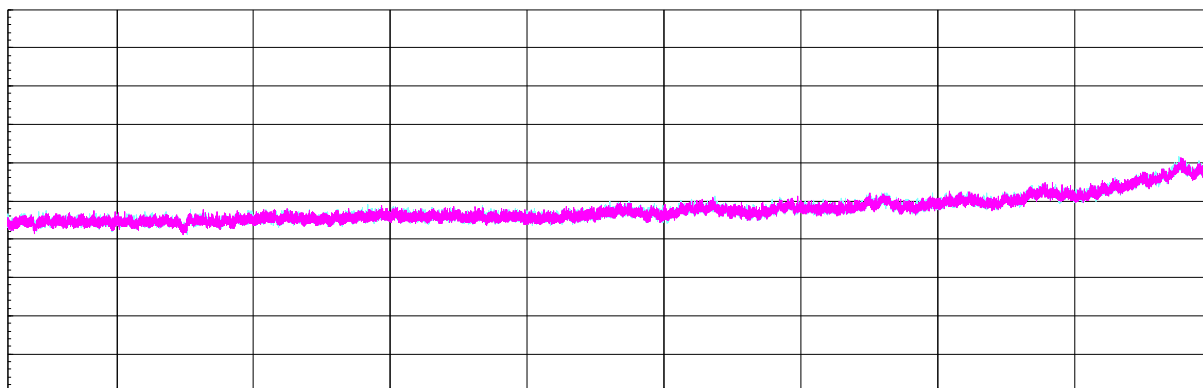
Horizontal/Vertical for 1 GHz ~ 6.5 GHz



Horizontal/Vertical for 6.5 GHz ~ 18 GHz

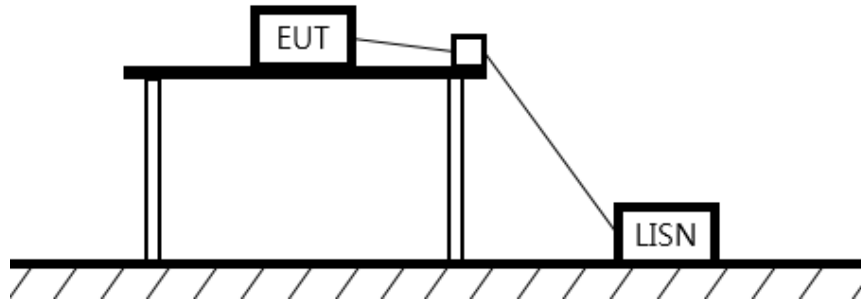


Horizontal/Vertical for 18 GHz ~ 40 GHz



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 50μH/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.

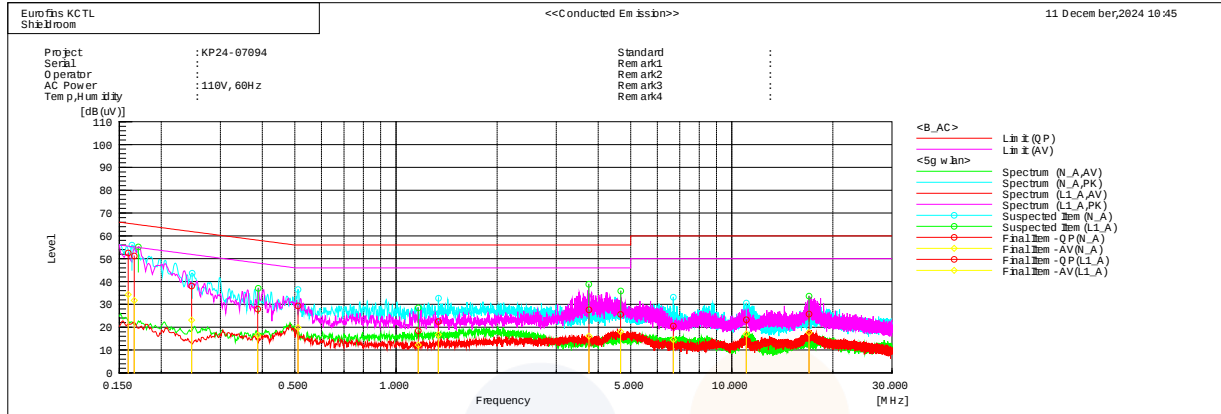
Frequency of Emission (MHz)	Conducted limit (dBμV/m)	
	Quasi-peak	Average
0.15 – 0.50	66 - 56*	56 - 46*
0.50 – 5.00	56	46
5.00 – 30.0	60	50

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: 802.11n HT20 2TX MIMO / UNII-3_5 745 MHz



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]	Margin CAV [dB]
1	0.1594	42.3	24.1	10.2	52.5	34.3	65.5	55.5	13.0	21.2
2	0.24637	28.2	13.3	9.8	38.0	23.1	61.9	51.9	23.9	28.8
3	0.51067	19.3	9.9	10.0	29.3	19.9	56.0	46.0	26.7	26.1
4	1.33764	12.6	6.8	9.9	22.5	16.7	56.0	46.0	33.5	29.3
5	6.69981	10.3	4.4	10.2	20.5	14.6	60.0	50.0	39.5	35.4
6	11.04773	12.8	6.6	10.4	23.2	17.0	60.0	50.0	36.8	33.0

--- 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]	Margin CAV [dB]
1	0.16621	41.0	21.5	10.2	51.2	31.7	65.1	55.1	13.9	23.4
2	0.38748	17.8	6.4	10.1	27.9	16.5	58.1	48.1	30.2	31.6
3	1.16466	8.5	2.3	9.9	18.4	12.2	56.0	46.0	37.6	33.8
4	3.75353	17.6	6.1	10.0	27.6	16.1	56.0	46.0	28.4	29.9
5	4.6672	15.6	8.1	10.0	25.6	18.1	56.0	46.0	30.4	27.9
6	16.99208	15.0	6.9	10.8	25.8	17.7	60.0	50.0	34.2	32.3

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	26.01.17*
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	26.01.17*
Loop Antenna	R&S	HFH2-Z2	100355	26.06.25
DC Power Supply	POWERCOM	DCP-50100A	20220610-01	26.01.16*
Spectrum Analyzer	R&S	FSVA40	101575	25.04.24
Broadband PreAmplifier	SCHWARZBECK	BBV9718D	57	26.01.16*
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	WHKX8-5655-6500-18000-40SS	SN8	25.10.15
Attenuator	API Inmet	40AH2W-20	20	25.06.24
Attenuator	Weinschel ENGINEERING	56-10	51395	26.01.21*
TWO-LINE V - NETWORK	R&S	ENV216	101358	25.10.13
EMI TEST RECEIVER	R&S	ESCI3	101428	25.07.01
Signal Generator	R&S	SMB100A	176206	25.01.18*

*This equipment was calibrated during the test period, and was used before calibration.