

■ Test Result (Above 1 GHz)

[802.11 b / F1 / CH 01(Low)]

Radiated emissions			Ant.	Correction factors					Total	Limit	
Frequency	Reading	Detect	Pol.	AF	CL	Amp	F _d	DF	Final Result	Limit	Margin
MHz	dBμV	PK/AV	H/V	dB/m	dB	dB	dB	dB	dBμV/m	dBμV/m	dB
*1 196.10	59.17	PK	H	28.20	1.38	45.39	1.94	—	45.30	74.00	28.70
*1 198.60	60.52	PK	V	28.59	1.38	45.39		—	47.04	74.00	26.96
1 429.10	58.31	PK	V	28.10	1.56	45.38		—	44.53	74.00	29.47
*1 699.10	54.63	PK	H	28.79	1.94	45.34		—	41.96	74.00	32.04
1 773.80	56.49	PK	V	29.93	2.07	45.34		—	45.09	74.00	28.91
1 797.10	62.54	PK	V	30.26	2.11	45.34		—	51.50	74.00	22.50
1 798.80	54.02	PK	H	30.28	2.11	45.34		—	43.01	74.00	30.99
1 899.60	56.33	PK	H	31.29	2.28	45.35		—	46.49	74.00	27.51
*2 314.74	56.42	PK	V	31.50	2.70	45.37		—	49.13	74.00	24.87
*2 332.34	52.79	PK	H	31.63	2.65	45.37		—	43.64	74.00	30.36
*2 359.84	54.58	PK	V	31.74	2.77	45.36		—	45.66	74.00	28.34
*2 375.90	55.24	PK	H	31.80	2.66	45.36		—	46.28	74.00	27.72
*2 388.00	60.62	PK	H	31.85	2.65	45.36		—	51.70	74.00	22.30
*2 389.54	59.10	PK	V	31.86	2.65	45.36		—	50.19	74.00	23.81
2 395.92	60.98	PK	V	31.88	2.65	45.36		—	52.10	74.00	21.90
2 398.67	62.67	PK	H	31.89	2.63	45.36		—	53.78	74.00	20.22
2 399.77	63.48	PK	V	31.90	2.63	45.36		—	54.59	74.00	19.41
2 399.99	63.89	PK	H	31.90	2.63	45.36		—	55.00	74.00	19.00
*2 732.50	51.96	PK	H	32.50	2.69	44.98		—	44.11	74.00	29.89
*2 880.00	54.30	PK	V	32.56	2.76	44.99		—	46.57	74.00	27.43
2 962.50	53.61	PK	H	32.65	2.80	44.99		—	46.01	74.00	27.99
*16 115.00	40.53	PK	V	40.90	7.65	38.58		—	52.45	74.00	21.55
*17 985.50	37.39	PK	H	41.73	8.74	39.60		—	50.19	74.00	23.81
*23 822.50	36.32	PK	H	44.95	10.55	35.01		—	58.75	74.00	15.25
*23 822.50	12.58	AV	H	44.95	10.55	35.01		0.10	35.11	54.00	18.89
24 808.50	37.11	PK	H	45.40	10.40	35.80		—	59.04	74.00	14.96
24 808.50	11.31	AV	H	45.40	10.40	35.80		0.10	33.34	54.00	20.66
24 834.00	36.89	PK	V	45.40	10.23	35.80		—	58.66	74.00	15.34
24 834.00	13.40	AV	V	45.40	10.23	35.80		0.10	35.27	54.00	18.73
25 378.00	40.35	PK	H	45.60	10.16	36.11		—	61.94	74.00	12.06
25 378.00	14.70	AV	H	45.60	10.16	36.11		0.10	36.39	54.00	17.61
25 633.00	38.64	PK	V	45.60	10.39	36.80		—	59.77	74.00	14.23
25 633.00	20.00	AV	V	45.60	10.39	36.80		0.10	41.13	54.00	12.87
25 964.50	38.64	PK	V	45.50	10.67	36.81		—	59.95	74.00	14.05
25 964.50	14.98	AV	V	45.50	10.67	36.81		0.10	36.29	54.00	17.71

[802.11 b / F2 / CH 07(Middle)]

Radiated emissions			Ant.	Correction factors					Total	Limit	
Frequency	Reading	Detect	Pol.	AF	CL	Amp	F _d	DF	Final Result	Limit	Margin
MHz	dBμV	PK/AV	H/V	dB/m	dB	dB	dB	dB	dBμV/m	dBμV/m	dB
*1 196.10	58.24	PK	H	28.20	1.38	45.39	1.94	–	46.37	74.00	27.63
*1 198.60	60.35	PK	V	28.59	1.38	45.39		–	46.87	74.00	27.13
*1 394.10	54.50	PK	H	28.12	1.53	45.38		–	40.71	74.00	33.29
*1 426.60	68.52	PK	V	28.10	1.55	45.38		–	54.73	74.00	19.27
*1 598.80	53.05	PK	H	28.31	1.77	45.33		–	39.74	74.00	34.26
*1 699.60	54.55	PK	H	28.80	1.94	45.34		–	41.89	74.00	32.11
1 711.30	56.78	PK	V	28.98	1.96	45.34		–	44.32	74.00	29.68
1 779.60	56.64	PK	V	30.01	2.08	45.34		–	45.33	74.00	28.67
1 792.50	64.35	PK	V	30.20	2.10	45.34		–	53.24	74.00	20.76
1 797.50	57.08	PK	H	30.27	2.11	45.34		–	46.05	74.00	27.95
1 900.00	56.35	PK	H	31.30	2.28	45.35		–	46.52	74.00	27.48
*2 877.50	55.11	PK	V	32.56	2.76	44.99		–	47.38	74.00	26.62
*2 880.00	53.20	PK	H	32.56	2.76	44.99		–	45.47	74.00	28.53
2 962.50	55.16	PK	V	32.65	2.80	44.99		–	47.56	74.00	26.44
17 623.00	39.33	PK	H	41.75	8.60	39.62		–	51.99	74.00	22.01
*17 927.50	41.19	PK	H	41.80	8.75	39.61		–	54.07	74.00	19.93
24 162.50	38.30	PK	H	45.30	9.71	35.40		–	59.85	74.00	14.15
24 162.50	12.03	AV	H	45.30	9.71	35.40		0.10	33.68	54.00	20.32
24 953.00	38.10	PK	H	45.30	9.80	35.81		–	59.33	74.00	14.67
24 953.00	11.21	AV	H	45.30	9.80	35.81		0.10	32.54	54.00	21.46
25 420.50	35.89	PK	V	45.60	10.28	36.11		–	57.60	74.00	16.40
25 420.50	14.80	AV	V	45.60	10.28	36.11		0.10	36.61	54.00	17.39
25 590.50	39.47	PK	H	45.60	10.36	36.80		–	60.57	74.00	13.43
25 590.50	14.16	AV	H	45.60	10.36	36.80		0.10	35.36	54.00	18.64
25 837.00	36.98	PK	V	45.60	10.56	36.81		–	58.27	74.00	15.73
25 837.00	13.11	AV	V	45.60	10.56	36.81		0.10	34.50	54.00	19.50
26 381.00	38.34	PK	V	45.50	10.89	37.21		–	59.46	74.00	14.54
26 381.00	13.07	AV	V	45.50	10.89	37.21		0.10	34.29	54.00	19.71

[802.11 b / F3 / CH 13(High)]

Radiated emissions			Ant.	Correction factors					Total	Limit	
Frequency	Reading	Detect	Pol.	AF	CL	Amp	F _d	DF	Final Result	Limit	Margin
MHz	dBμV	PK/AV	H/V	dB/m	dB	dB	dB	dB	dBμV/m	dBμV/m	dB
*1 196.10	61.81	PK	V	28.20	1.38	45.39	1.94	–	47.94	74.00	26.06
*1 394.10	54.03	PK	H	28.12	1.53	45.38		–	40.24	74.00	33.76
*1 399.10	57.26	PK	V	28.10	1.53	45.38		–	43.46	74.00	30.54
*1 569.60	57.06	PK	V	28.48	1.72	45.33		–	43.87	74.00	30.13
*1 698.80	54.40	PK	H	28.79	1.94	45.34		–	41.73	74.00	32.27
1 797.50	61.82	PK	V	30.27	2.11	45.34		–	50.79	74.00	23.21
1 799.60	53.39	PK	H	30.29	2.11	45.34		–	42.39	74.00	31.61
*2 483.55	60.61	PK	H	32.13	2.56	45.34		–	51.90	74.00	22.10
*2 483.55	62.13	PK	V	32.13	2.56	45.34		–	53.42	74.00	20.58
*2 486.75	60.62	PK	H	32.15	2.52	45.34		–	51.89	74.00	22.11
*2 494.05	55.80	PK	V	32.18	2.48	45.34		–	47.06	74.00	26.94
*2 496.20	58.22	PK	H	32.18	2.48	45.34		–	49.49	74.00	24.51
*2 496.25	58.17	PK	V	32.19	2.48	45.34		–	49.44	74.00	24.56
*2 497.05	55.77	PK	V	32.19	2.48	45.34		–	47.04	74.00	26.96
*2 497.70	61.60	PK	H	32.19	2.48	45.34		–	52.87	74.00	21.13
*2 880.00	55.15	PK	V	32.56	2.76	44.99		–	47.42	74.00	26.58
2 962.50	54.35	PK	V	32.65	2.80	44.99		–	46.75	74.00	27.25
2 967.50	50.58	PK	H	32.67	2.80	44.99		–	43.00	74.00	31.00
17 797.00	39.62	PK	H	41.70	8.53	39.61		–	52.18	74.00	21.82
17 666.50	39.13	PK	V	41.80	8.59	39.62		–	51.84	74.00	22.16
21 680.50	35.37	PK	V	45.20	9.67	35.60		–	56.58	74.00	17.42
21 680.50	8.84	AV	V	45.20	9.67	35.60		0.10	30.15	54.00	23.85
24 902.00	38.09	PK	V	45.40	9.79	35.80		–	59.41	74.00	14.59
24 902.00	12.02	AV	V	45.40	9.79	35.80		0.10	33.44	54.00	20.56
25 191.00	38.70	PK	V	45.38	9.78	36.11		–	59.69	74.00	14.31
25 191.00	13.19	AV	V	45.38	9.78	36.11		0.10	34.28	54.00	19.72
25 369.50	37.56	PK	H	45.60	10.13	36.11		–	59.12	74.00	14.88
25 369.50	13.68	AV	H	45.60	10.13	36.11		0.10	35.34	54.00	18.66
25 633.00	37.05	PK	H	45.60	10.39	36.80		–	58.18	74.00	15.82
25 633.00	16.18	AV	H	45.60	10.39	36.80		0.10	37.41	54.00	16.59
25 667.00	38.95	PK	V	45.60	10.43	36.80		–	60.12	74.00	13.88
25 667.00	20.10	AV	V	45.60	10.43	36.80		0.10	41.37	54.00	12.63
26 151.50	38.29	PK	H	45.50	10.74	37.20		–	59.26	74.00	14.74
26 151.50	13.79	AV	H	45.50	10.74	37.20		0.10	34.86	54.00	19.14

[802.11 g / F1 / CH 01(Low)]

Radiated emissions			Ant.	Correction factors					Total	Limit	
Frequency	Reading	Detect	Pol.	AF	CL	Amp	F _d	DF	Final Result	Limit	Margin
MHz	dBμV	PK/AV	H/V	dB/m	dB	dB	dB	dB	dBμV/m	dBμV/m	dB
*1 196.10	59.87	PK	V	28.20	1.38	45.39	1.94	–	46.00	74.00	28.00
*1 201.10	57.05	PK	H	28.61	1.39	45.39		–	43.60	74.00	30.40
*1 329.10	54.06	PK	H	28.63	1.48	45.38		–	40.73	74.00	33.27
*1 393.80	55.21	PK	H	28.12	1.53	45.38		–	41.42	74.00	32.58
*1 396.60	58.27	PK	V	28.11	1.53	45.38		–	44.47	74.00	29.53
*1 438.80	57.85	PK	V	28.10	1.56	45.38		–	44.07	74.00	29.93
*1 699.60	54.74	PK	H	28.80	1.94	45.34		–	42.08	74.00	31.92
1 774.60	57.28	PK	V	29.94	2.07	45.34		–	45.89	74.00	28.11
1 792.50	61.90	PK	V	30.20	2.10	45.34		–	50.79	74.00	23.21
1 797.50	56.15	PK	H	30.27	2.11	45.34		–	45.12	74.00	28.88
1 900.00	57.58	PK	H	31.30	2.28	45.35		–	47.75	74.00	26.25
*2 312.65	58.46	PK	V	31.55	2.69	45.37		–	49.27	74.00	24.73
*2 312.65	38.73	AV	V	31.55	2.69	45.37		0.59	30.13	54.00	23.87
*2 328.93	57.42	PK	H	31.62	2.66	45.37		–	48.27	74.00	25.73
*2 328.93	38.92	AV	H	31.62	2.66	45.37		0.59	30.36	54.00	23.64
*2 361.49	57.22	PK	H	31.75	2.76	45.36		–	48.30	74.00	25.70
*2 361.49	40.69	AV	H	31.75	2.76	45.36		0.59	32.36	54.00	21.64
*2 368.64	53.48	PK	V	31.77	2.71	45.36		–	44.54	74.00	29.46
*2 368.64	39.08	AV	V	31.77	2.71	45.36		0.59	30.73	54.00	23.27
*2 387.67	61.02	PK	H	31.85	2.64	45.36		–	52.10	74.00	21.90
*2 387.67	52.88	AV	H	31.85	2.64	45.36		0.59	44.55	54.00	9.45
*2 388.00	57.07	PK	V	31.85	2.65	45.36		–	48.15	74.00	25.85
*2 388.00	49.15	AV	V	31.85	2.65	45.36		0.59	40.82	54.00	13.18
2 391.19	69.92	PK	H	31.86	2.66	45.36		–	61.02	74.00	12.98
2 391.19	45.33	AV	H	31.86	2.66	45.36		0.59	37.02	54.00	16.98
2 396.03	71.12	PK	H	31.88	2.65	45.36		–	62.24	74.00	11.76
2 396.03	50.57	AV	H	31.88	2.65	45.36		0.59	42.28	54.00	11.72
2 396.80	71.76	PK	H	31.89	2.65	45.36		–	62.88	74.00	11.12
2 396.80	51.28	AV	H	31.89	2.65	45.36		0.59	42.99	54.00	11.01
2 397.02	68.33	PK	V	31.89	2.65	45.36		–	59.45	74.00	14.55
2 397.02	48.17	AV	V	31.89	2.65	45.36		0.59	39.88	54.00	14.12
2 399.99	76.49	PK	H	31.90	2.63	45.36		–	67.60	74.00	6.40
2 399.99	58.95	AV	H	31.90	2.63	45.36		0.59	50.65	54.00	3.35
2 399.99	73.77	PK	V	31.90	2.63	45.36		–	64.88	74.00	9.12
2 399.99	56.42	AV	V	31.90	2.63	45.36		0.59	48.12	54.00	5.88
*2 880.00	53.04	PK	H	32.56	2.76	44.99		–	45.31	74.00	28.69
2 962.50	54.54	PK	V	32.65	2.80	44.99		–	46.94	74.00	27.06
16 202.00	38.40	PK	H	40.90	8.08	38.58		–	50.74	74.00	23.26
16 376.00	40.51	PK	V	41.20	7.72	38.59		–	52.78	74.00	21.22
*23 805.50	36.19	PK	V	44.90	10.64	35.01		–	60.60	74.00	13.40

Radiated emissions			Ant.	Correction factors					Total	Limit	
Frequency	Reading	Detect	Pol.	AF	CL	Amp	F _d	DF	Final Result	Limit	Margin
MHz	dBμV	PK/AV	H/V	dB/m	dB	dB	dB	dB	dBμV/m	dBμV/m	dB
*23 805.50	11.82	AV	V	44.91	10.64	35.01	1.94	0.59	34.89	54.00	19.11
24 341.00	37.66	PK	V	45.50	9.69	35.41		–	59.39	74.00	14.61
24 341.00	12.51	AV	V	45.50	9.69	35.41		0.59	34.83	54.00	19.17
24 851.00	38.86	PK	V	45.40	10.12	35.80		–	60.51	74.00	13.49
24 851.00	13.50	AV	V	45.40	10.12	35.80		0.59	35.74	54.00	18.26
25 480.00	36.06	PK	H	45.60	10.39	36.11		–	57.88	74.00	16.12
25 480.00	12.61	AV	H	45.60	10.39	36.11		0.59	35.02	54.00	18.98
25 658.50	38.23	PK	H	45.60	10.42	36.80		–	59.39	74.00	14.61
25 658.50	20.09	AV	H	45.60	10.42	36.80		0.59	41.84	54.00	12.16
26 449.00	41.57	PK	H	45.50	10.89	37.21		–	62.69	74.00	11.31
26 449.00	14.31	AV	H	45.50	10.89	37.21		0.59	36.02	54.00	17.98

[802.11 g / F2 / CH 07(Middle)]

Radiated emissions			Ant.	Correction factors					Total	Limit	
Frequency	Reading	Detect	Pol.	AF	CL	Amp	F _d	DF	Final Result	Limit	Margin
MHz	dBμV	PK/AV	H/V	dB/m	dB	dB	dB	dB	dBμV/m	dBμV/m	dB
*1 196.10	60.77	PK	V	28.20	1.38	45.39	1.94	–	46.90	74.00	27.10
*1 399.10	53.51	PK	H	28.10	1.53	45.38		–	39.71	74.00	34.29
*1 419.10	64.38	PK	V	28.10	1.55	45.38		–	50.59	74.00	23.41
*1 426.30	63.67	PK	V	28.10	1.55	45.38		–	49.88	74.00	24.12
*1 438.80	53.66	PK	H	28.10	1.56	45.38		–	39.88	74.00	34.12
*1 699.60	55.03	PK	H	28.80	1.94	45.34		–	42.37	74.00	31.63
1 779.60	57.93	PK	V	30.01	2.08	45.34		–	46.62	74.00	27.38
1 797.50	60.31	PK	V	30.27	2.11	45.34		–	49.28	74.00	24.72
1 800.00	55.75	PK	H	30.30	2.11	45.35		–	44.76	74.00	29.24
1 900.00	57.15	PK	H	31.30	2.28	45.35		–	47.32	74.00	26.68
*2 880.00	53.46	PK	V	32.56	2.76	44.99		–	45.73	74.00	28.27
2 962.50	54.34	PK	V	32.65	2.80	44.99		–	46.74	74.00	27.26
16 202.00	39.26	PK	H	40.90	8.08	38.58		–	51.60	74.00	22.40
*17 985.50	40.31	PK	V	41.73	8.74	39.60		–	53.11	74.00	20.89
24 154.00	36.35	PK	V	45.30	9.70	35.40		–	57.88	74.00	16.12
24 154.00	11.72	AV	V	45.30	9.70	35.40		0.59	33.84	54.00	20.16
24 349.50	36.22	PK	V	45.50	9.69	35.41		–	57.95	74.00	16.05
24 349.50	12.60	AV	V	45.50	9.69	35.41		0.59	34.92	54.00	19.08
24 961.50	39.01	PK	H	45.30	9.80	35.81		–	60.24	74.00	13.76
24 961.50	10.63	AV	H	45.30	9.80	35.81		0.59	32.45	54.00	21.55
25 369.50	38.79	PK	V	45.60	10.13	36.11		–	60.35	74.00	13.65
25 369.50	14.21	AV	V	45.60	10.13	36.11		0.59	36.36	54.00	17.64
25 641.50	38.85	PK	H	45.60	10.40	36.80		–	59.99	74.00	14.01
25 641.50	16.96	AV	H	45.60	10.40	36.80		0.59	38.69	54.00	15.31
25 939.00	37.97	PK	H	45.50	10.62	36.81		–	59.22	74.00	14.78
25 939.00	13.85	AV	H	45.50	10.62	36.81		0.59	35.69	54.00	18.31

[802.11 g / F3 / CH 13(High)]

Radiated emissions			Ant.	Correction factors					Total	Limit	
Frequency	Reading	Detect	Pol.	AF	CL	Amp	F _d	DF	Final Result	Limit	Margin
MHz	dBμV	PK/AV	H/V	dB/m	dB	dB	dB	dB	dBμV/m	dBμV/m	dB
*1 196.10	62.56	PK	V	28.20	1.38	45.39	1.94	–	48.69	74.00	25.31
*1 396.60	57.04	PK	V	28.11	1.53	45.38		–	43.24	74.00	30.76
*1 436.30	60.47	PK	V	28.10	1.56	45.38		–	46.69	74.00	27.31
1 797.10	60.63	PK	V	30.26	2.11	45.34		–	49.59	74.00	24.41
1 799.60	54.95	PK	H	30.29	2.11	45.34		–	43.95	74.00	30.05
1 900.00	56.58	PK	H	31.30	2.28	45.35		–	46.75	74.00	27.25
1 997.50	55.81	PK	V	31.60	2.44	45.35		–	46.43	74.00	27.57
2 102.50	53.93	PK	V	31.41	2.47	45.41		–	44.34	74.00	29.66
2 127.50	54.73	PK	H	31.46	2.48	45.41		–	45.20	74.00	28.80
*2 483.55	74.79	PK	H	32.13	2.56	45.34		–	66.08	74.00	7.92
*2 483.55	56.53	AV	H	32.13	2.56	45.34		0.59	48.41	54.00	5.59
*2 483.55	76.65	PK	V	32.13	2.56	45.34		–	67.94	74.00	6.06
*2 483.55	59.22	AV	V	32.13	2.56	45.34		0.59	51.10	54.00	2.90
*2 484.20	73.61	PK	V	32.14	2.55	45.34		–	64.89	74.00	9.11
*2 484.20	55.95	AV	V	32.14	2.55	45.34		0.59	47.82	54.00	6.18
*2 484.85	70.46	PK	H	32.14	2.54	45.34		–	61.74	74.00	12.26
*2 484.85	50.86	AV	H	32.14	2.54	45.34		0.59	42.73	54.00	11.27
*2 484.70	70.80	PK	V	32.14	2.54	45.34		–	62.08	74.00	11.92
*2 484.70	53.84	AV	V	32.14	2.54	45.34		0.59	45.71	54.00	8.29
*2 486.65	69.76	PK	V	32.15	2.52	45.34		–	61.03	74.00	12.97
*2 486.65	50.76	AV	V	32.01	2.52	45.34		0.59	48.69	74.00	25.31
*2 489.05	66.79	PK	H	32.16	2.50	45.34		–	43.24	74.00	30.76
*2 489.05	47.37	AV	H	32.16	2.50	45.34		0.59	46.69	74.00	27.31
*2 489.65	67.54	PK	V	32.16	2.49	45.34		–	49.59	74.00	24.41
*2 489.65	48.05	AV	V	32.16	2.49	45.34		0.59	54.88	74.00	19.12
*2 495.35	63.62	PK	H	32.18	2.48	45.34		–	39.30	54.00	14.70
*2 495.35	47.45	AV	H	32.18	2.48	45.34		0.59	49.98	74.00	24.02
*2 496.00	58.72	PK	H	32.18	2.48	45.34		–	42.62	54.00	11.38
*2 496.00	50.77	AV	H	32.18	2.48	45.34		0.59	49.19	74.00	24.81
*2 496.30	57.92	PK	V	32.19	2.48	45.34		–	41.34	54.00	12.66
*2 496.30	49.48	AV	V	32.19	2.48	45.34		0.59	42.48	54.00	11.52
*2 800.00	54.38	PK	H	32.50	2.72	44.98		–	46.56	74.00	27.44
*2 880.00	54.51	PK	V	32.56	2.76	44.99		–	46.78	74.00	27.22
2 962.50	54.70	PK	V	32.65	2.80	44.99		–	47.10	74.00	26.90
*17 956.50	38.83	PK	V	41.79	8.74	39.61		–	51.69	74.00	22.31
*17 971.00	38.83	PK	H	41.76	8.74	39.60		–	51.66	74.00	22.34
24 485.50	36.08	PK	V	45.43	9.94	35.41		–	57.98	74.00	16.02
24 485.50	10.38	AV	V	45.43	9.94	35.41		0.59	32.87	54.00	21.13
24 859.50	37.39	PK	V	45.40	10.06	35.80		–	58.99	74.00	15.01

Radiated emissions			Ant.	Correction factors					Total	Limit	
Frequency	Reading	Detect	Pol.	AF	CL	Amp	F _d	DF	Final Result	Limit	Margin
MHz	dBμV	PK/AV	H/V	dB/m	dB	dB	dB	dB	dBμV/m	dBμV/m	dB
24 859.50	14.01	AV	V	45.40	10.06	35.80	1.94	0.59	36.20	54.00	17.80
25 352.50	38.77	PK	H	45.60	10.07	36.11		–	60.27	74.00	13.73
25 352.50	12.90	AV	H	45.60	10.07	36.11		0.59	34.99	54.00	19.01
25 633.00	38.76	PK	V	45.60	10.39	36.80		–	59.89	74.00	14.11
25 633.00	17.91	AV	V	45.60	10.39	36.80		0.59	39.63	54.00	14.37
25 794.50	39.27	PK	H	45.60	10.56	36.80		–	60.56	74.00	13.44
25 794.50	12.82	AV	H	45.60	10.56	36.80		0.59	34.70	54.00	19.30
25 913.50	40.63	PK	H	45.50	10.57	36.81		–	61.83	74.00	12.17
25 913.50	14.20	AV	H	45.50	10.57	36.81		0.59	35.99	54.00	18.01

[802.11 n(HT20) / F1 / CH 01(Low)]

Radiated emissions			Ant.	Correction factors					Total	Limit	
Frequency	Reading	Detect	Pol.	AF	CL	Amp	F _d	DF	Final Result	Limit	Margin
MHz	dBμV	PK/AV	H/V	dB/m	dB	dB	dB	dB	dBμV/m	dBμV/m	dB
*1 196.10	61.06	PK	V	28.20	1.38	45.39	1.94	-	47.19	74.00	26.81
*1 198.60	58.20	PK	H	28.59	1.38	45.39		-	44.72	74.00	29.28
*1 349.10	56.42	PK	V	28.31	1.50	45.38		-	42.79	74.00	31.21
*1 393.80	55.71	PK	V	28.12	1.53	45.38		-	41.92	74.00	32.08
*1 399.10	54.71	PK	H	28.10	1.53	45.38		-	40.91	74.00	33.09
*1 598.80	56.17	PK	H	28.31	1.77	45.33		-	42.86	74.00	31.14
*1 699.60	56.17	PK	H	28.80	1.94	45.34		-	43.51	74.00	30.49
1 774.60	56.32	PK	V	29.94	2.07	45.34		-	44.93	74.00	29.07
1 792.50	56.35	PK	H	30.20	2.10	45.34		-	45.24	74.00	28.76
1 795.00	61.16	PK	V	30.23	2.10	45.34		-	50.09	74.00	23.91
1 872.50	61.24	PK	V	30.92	2.23	45.35		-	50.98	74.00	23.02
2 122.50	56.97	PK	V	31.45	2.46	45.41			47.41	74.00	26.59
2 190.00	55.25	PK	H	31.58	2.58	45.39			45.96	74.00	28.04
*2 323.21	55.13	PK	H	31.59	2.68	45.37		-	45.97	74.00	28.03
*2 323.21	38.36	AV	H	31.59	2.68	45.37		0.63	29.83	54.00	24.17
*2 330.00	54.40	PK	H	31.62	2.65	45.37		-	45.24	74.00	28.76
*2 376.89	56.09	PK	V	31.81	2.65	45.36		-	47.13	74.00	26.87
*2 376.89	39.49	AV	V	31.81	2.65	45.36		0.63	31.16	54.00	22.84
*2 378.54	56.20	PK	V	31.81	2.65	45.36		-	47.24	74.00	26.76
*2 378.54	39.87	AV	V	31.81	2.65	45.36		0.63	31.54	54.00	22.46
*2 380.19	61.02	PK	H	31.82	2.64	45.36		-	52.06	74.00	21.94
*2 380.19	42.11	AV	H	31.82	2.64	45.36		0.63	33.78	54.00	20.22
*2 388.00	60.49	PK	H	31.85	2.65	45.36		-	51.57	74.00	22.43
*2 388.00	53.35	AV	H	31.85	2.65	45.36		0.63	45.06	54.00	8.94
*2 388.11	56.95	PK	V	31.85	2.65	45.36		-	48.03	74.00	25.97
*2 388.11	49.13	AV	V	31.85	2.65	45.36		0.63	40.84	54.00	13.16
2 390.86	62.68	PK	H	31.86	2.66	45.36		-	53.78	74.00	20.22
2 390.86	45.13	AV	H	31.86	2.66	45.36		0.63	36.86	54.00	17.14
2 394.71	67.33	PK	H	31.88	2.66	45.36		-	58.45	74.00	15.55
2 394.71	49.08	AV	H	31.88	2.66	45.36		0.63	40.83	54.00	13.17
2 395.15	67.52	PK	V	31.88	2.66	45.36		-	58.64	74.00	15.36
2 395.15	47.57	AV	V	31.88	2.66	45.36		0.63	39.32	54.00	14.68
2 397.90	68.35	PK	V	31.89	2.64	45.36		-	59.46	74.00	14.54
2 397.90	49.44	AV	V	31.89	2.64	45.36		0.63	41.18	54.00	12.82
2 398.45	73.77	PK	H	31.89	2.64	45.36		-	64.88	74.00	9.12
2 398.45	51.13	AV	H	31.89	2.64	45.36		0.63	42.87	54.00	11.13
2 399.33	73.58	PK	V	31.90	2.63	45.36		-	64.69	74.00	9.31
2 399.33	52.39	AV	V	31.90	2.63	45.36		0.63	44.13	54.00	9.87
2 399.99	75.85	PK	H	31.90	2.63	45.36		-	66.96	74.00	7.04
2 399.99	58.79	AV	H	31.90	2.63	45.36		0.63	50.53	54.00	3.47

Radiated emissions			Ant.	Correction factors					Total	Limit	
Frequency	Reading	Detect	Pol.	AF	CL	Amp	F _d	DF	Final Result	Limit	Margin
MHz	dBμV	PK/AV	H/V	dB/m	dB	dB	dB	dB	dBμV/m	dBμV/m	dB
2 399.99	75.29	PK	V	31.90	2.63	45.36	1.94	–	66.40	74.00	7.60
2 399.99	56.94	AV	V	31.71	2.63	45.36		0.63	48.49	54.00	5.51
*2 880.00	54.90	PK	V	32.50	2.76	44.99		–	47.11	74.00	26.89
*4 326.50	47.83	PK	H	34.06	5.55	44.29		–	45.09	74.00	28.91
12 968.50	41.43	PK	H	39.60	7.45	40.75		–	49.68	74.00	24.32
*17 811.50	39.33	PK	V	41.80	8.56	39.61		–	52.01	74.00	21.99
*17 956.50	39.83	PK	H	41.79	8.74	39.61		–	52.69	74.00	21.31
24 868.00	36.92	PK	V	45.40	10.00	35.80		–	58.46	74.00	15.54
24 868.00	13.71	AV	V	45.40	10.00	35.80		0.63	35.25	54.00	18.75
25 157.00	37.85	PK	H	45.31	9.76	36.10		–	58.76	74.00	15.24
25 157.00	13.68	AV	H	45.31	9.76	36.10		0.63	34.59	54.00	19.41
25 165.50	39.60	PK	V	45.33	9.77	36.10		–	60.53	74.00	13.47
25 165.50	14.01	AV	V	45.33	9.77	36.10		0.63	34.94	54.00	19.06
25 420.50	37.75	PK	H	45.60	10.28	36.11		–	59.46	74.00	14.54
25 420.50	13.40	AV	H	45.60	10.28	36.11		0.63	35.11	54.00	18.89
25 701.00	37.95	PK	H	45.60	10.48	36.80		–	59.16	74.00	14.84
25 701.00	15.41	AV	H	45.60	10.48	36.80		0.63	37.25	54.00	16.75
25 862.50	39.79	PK	V	45.58	10.55	36.81		–	61.05	74.00	12.95
25 862.50	13.92	AV	V	45.58	10.55	36.81		0.63	35.81	54.00	18.19

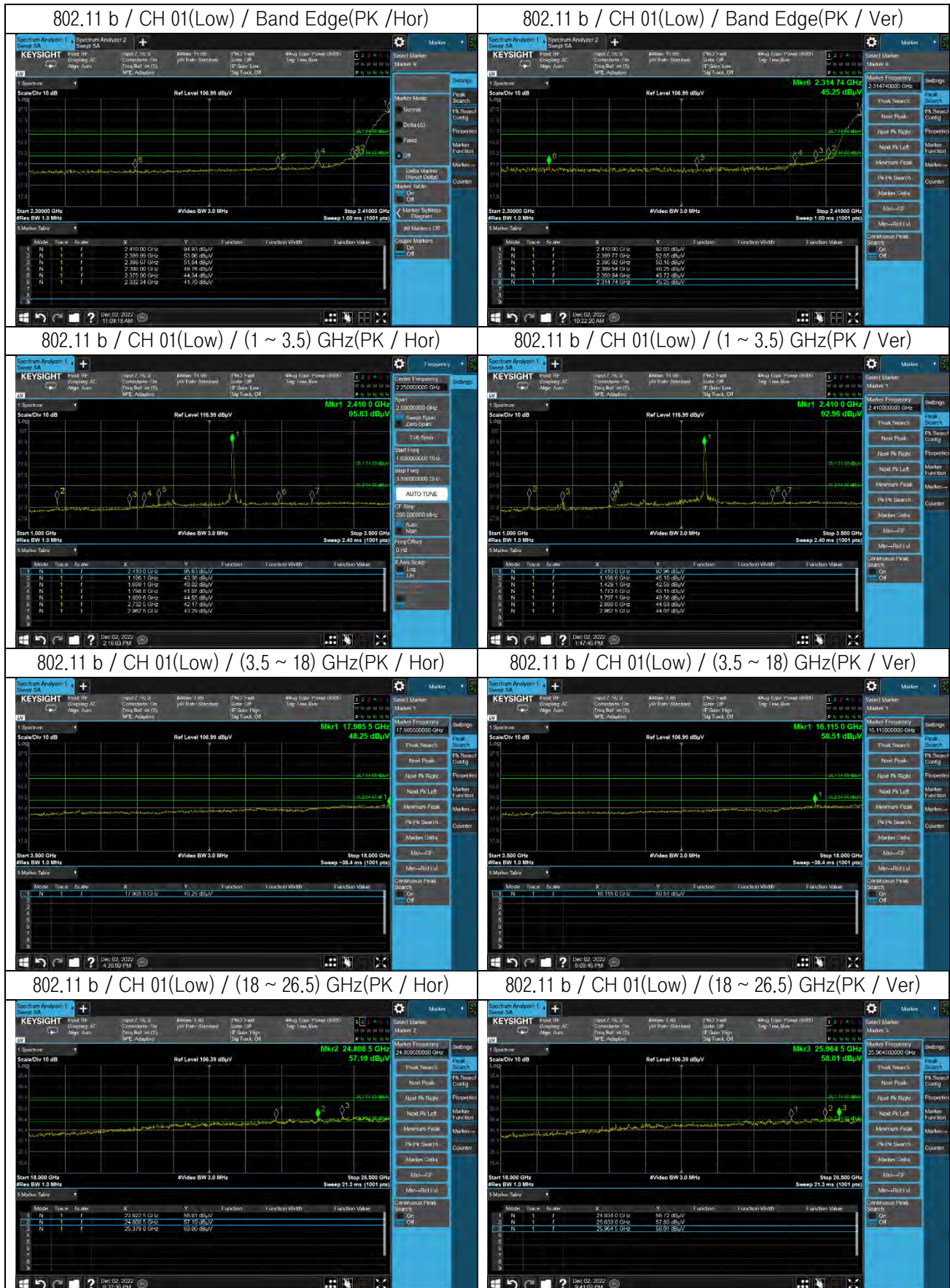
[802.11 n(HT20) / F2 / CH 07(Middle)]

Radiated emissions			Ant.	Correction factors					Total	Limit	
Frequency	Reading	Detect	Pol.	AF	CL	Amp	F _d	DF	Final Result	Limit	Margin
MHz	dBμV	PK/AV	H/V	dB/m	dB	dB	dB	dB	dBμV/m	dBμV/m	dB
*1 198.60	56.43	PK	H	28.20	1.38	45.39	1.94	–	42.57	74.00	31.43
*1 201.10	59.48	PK	V	28.61	1.39	45.39		–	46.03	74.00	27.97
*1 394.10	56.77	PK	V	28.12	1.53	45.38		–	42.98	74.00	31.02
*1 491.30	55.43	PK	V	27.93	1.60	45.38		–	41.53	74.00	32.47
*1 496.60	56.97	PK	H	27.91	1.61	45.38		–	43.05	74.00	30.95
*1 598.80	56.13	PK	H	28.31	1.77	45.33		–	42.82	74.00	31.18
*1 699.60	55.22	PK	H	28.80	1.94	45.34		–	42.56	74.00	31.44
1 777.10	56.81	PK	V	29.98	2.07	45.34		–	45.46	74.00	28.54
1 800.00	62.10	PK	V	30.30	2.11	45.35		–	51.11	74.00	22.89
1 992.50	54.57	PK	H	31.59	2.43	45.35		–	45.17	74.00	28.83
1 995.00	54.55	PK	V	31.59	2.44	45.35		–	45.16	74.00	28.84
*2 880.00	54.55	PK	V	32.56	2.76	44.99		–	46.82	74.00	27.18
2 962.50	54.43	PK	V	32.65	2.80	44.99		–	46.83	74.00	27.17
16 318.00	39.44	PK	V	41.14	7.82	38.58		–	51.75	74.00	22.25
17 666.50	39.68	PK	H	41.80	8.59	39.62		–	52.39	74.00	21.61
24 834.00	37.78	PK	H	45.40	10.23	35.80		–	59.55	74.00	14.45
24 834.00	12.99	AV	H	45.40	10.23	35.80		0.63	35.39	54.00	18.61
24 868.00	35.65	PK	V	45.40	10.00	35.80		–	57.19	74.00	16.81
24 868.00	13.96	AV	V	45.40	10.00	35.80		0.63	36.13	54.00	17.87
25 378.00	38.05	PK	V	45.60	10.16	36.11		–	59.64	74.00	14.36
25 378.00	14.21	AV	V	45.60	10.16	36.11		0.63	36.43	54.00	17.57
25 582.00	38.39	PK	V	45.60	10.37	36.80		–	59.50	74.00	14.50
25 582.00	14.15	AV	V	45.60	10.37	36.80		0.63	35.89	54.00	18.11
25 701.00	39.22	PK	H	45.60	10.48	36.80		–	60.43	74.00	13.57
25 701.00	16.35	AV	H	45.60	10.48	36.80		0.63	38.19	54.00	15.81
26 466.00	39.80	PK	H	45.53	10.87	37.21		–	60.94	74.00	13.06
26 466.00	14.80	AV	H	45.53	10.87	37.21		0.63	36.57	54.00	17.43

[802.11 n(HT20) / F3 / CH 13(High)]

Radiated emissions			Ant.	Correction factors					Total	Limit	
Frequency	Reading	Detect	Pol.	AF	CL	Amp	F _d	DF	Final Result	Limit	Margin
MHz	dBμV	PK/AV	H/V	dB/m	dB	dB	dB	dB	dBμV/m	dBμV/m	dB
*1 196.10	61.37	PK	V	28.20	1.38	45.39	1.94	-	47.50	74.00	26.50
*1 198.60	57.91	PK	H	28.59	1.38	45.39		-	44.43	74.00	29.57
*1 399.10	55.43	PK	V	28.10	1.53	45.38		-	41.63	74.00	32.37
*1 426.60	58.14	PK	H	28.10	1.55	45.38		-	44.35	74.00	29.65
1 433.80	55.60	PK	V	28.10	1.56	45.38		-	41.82	74.00	32.18
*1 598.80	56.24	PK	H	28.31	1.77	45.33		-	42.93	74.00	31.07
*1 699.60	55.35	PK	H	28.80	1.94	45.34		-	42.69	74.00	31.31
1 737.10	56.66	PK	V	29.39	2.01	45.34		-	44.66	74.00	29.34
1 795.00	56.92	PK	H	30.23	2.10	45.34		-	45.85	74.00	28.15
1 800.00	60.82	PK	V	30.30	2.11	45.35		-	49.83	74.00	24.17
1 995.00	56.80	PK	V	31.59	2.44	45.35		-	47.41	74.00	26.59
*2 207.50	57.25	PK	V	31.57	2.58	45.39		-	47.95	74.00	26.05
*2 262.50	57.65	PK	V	31.43	2.69	45.38		-	48.32	74.00	25.68
*2 483.55	75.92	PK	H	32.13	2.56	45.34		-	67.21	74.00	6.79
*2 483.55	57.49	AV	H	32.13	2.56	45.34		0.63	49.41	54.00	4.59
*2 483.55	77.43	PK	V	32.13	2.56	45.34		-	68.72	74.00	5.28
*2 483.55	59.95	AV	V	32.13	2.56	45.34		0.63	51.87	54.00	2.13
*2 484.40	72.24	PK	H	32.14	2.55	45.34		-	63.52	74.00	10.48
*2 484.40	53.41	AV	H	32.14	2.55	45.34		0.63	45.32	54.00	8.68
*2 484.75	72.89	PK	V	32.14	2.54	45.34		-	64.17	74.00	9.83
*2 484.75	53.54	AV	V	32.14	2.54	45.34		0.63	36.13	54.00	17.87
*2 485.10	71.85	PK	V	32.14	2.54	45.34		-	59.64	74.00	14.36
*2 485.10	52.46	AV	V	32.14	2.54	45.34		0.63	36.43	54.00	17.57
*2 485.35	71.01	PK	H	32.14	2.54	45.34		-	59.50	74.00	14.50
*2 485.35	50.01	AV	H	32.14	2.54	45.34		0.63	35.89	54.00	18.11
*2 485.45	72.04	PK	V	32.14	2.54	45.34		-	60.43	74.00	13.57
*2 485.45	51.67	AV	V	32.14	2.54	45.34		0.63	38.19	54.00	15.81
*2 485.90	69.44	PK	V	32.14	2.53	45.34		-	60.94	74.00	13.06
*2 485.90	52.20	AV	V	32.14	2.53	45.34		0.63	36.57	54.00	17.43
*2 486.45	69.11	PK	H	32.15	2.53	45.34		-	45.45	54.00	8.55
*2 486.45	49.89	AV	H	32.15	2.53	45.34		0.63	63.13	74.00	10.87
*2 487.30	67.81	PK	H	32.15	2.52	45.34		-	44.37	54.00	9.63
*2 487.30	49.02	AV	H	32.15	2.52	45.34		0.63	62.29	74.00	11.71
*2 487.70	68.29	PK	V	32.15	2.51	45.34		-	41.92	54.00	12.08
*2 487.70	50.37	AV	V	32.15	2.51	45.34		0.63	63.32	74.00	10.68
*2 488.45	67.65	PK	H	32.15	2.50	45.34		-	43.58	54.00	10.42
*2 488.45	48.54	AV	H	32.15	2.50	45.34		0.63	60.71	74.00	13.29
*4 573.00	47.02	PK	V	34.30	5.92	43.76		-	44.10	54.00	9.90
5 501.00	49.59	PK	V	35.30	6.23	43.54		-	60.38	74.00	13.62
12 968.50	41.89	PK	H	39.60	7.45	40.75		-	41.79	54.00	12.21

Radiated emissions			Ant.	Correction factors					Total	Limit	
Frequency	Reading	Detect	Pol.	AF	CL	Amp	F _d	DF	Final Result	Limit	Margin
MHz	dBμV	PK/AV	H/V	dB/m	dB	dB	dB	dB	dBμV/m	dBμV/m	dB
13 621.00	43.00	PK	H	39.20	7.25	41.07	1.94	–	50.32	74.00	23.68
*16 158.50	40.01	PK	H	40.90	7.87	38.58		–	52.14	74.00	21.86
17 376.50	40.56	PK	V	41.55	8.43	39.76		–	52.72	74.00	21.28
*23 788.50	35.43	PK	V	44.88	10.57	35.00		–	57.82	74.00	16.18
*23 788.50	12.43	AV	V	44.88	10.57	35.00		0.63	35.45	54.00	18.55
24 842.50	36.26	PK	H	45.40	10.17	35.80		–	57.97	74.00	16.03
24 842.50	13.19	AV	H	45.40	10.17	35.80		0.63	35.53	54.00	18.47
25 191.00	36.90	PK	H	45.38	9.78	36.11		–	57.89	74.00	16.11
25 191.00	12.67	AV	H	45.38	9.78	36.11		0.63	34.29	54.00	19.71
25 344.00	38.78	PK	V	45.59	10.04	36.11		–	60.24	74.00	13.76
25 344.00	13.02	AV	V	45.59	10.04	36.11		0.63	35.11	54.00	18.89
25 675.50	38.34	PK	V	45.60	10.45	36.80		–	59.52	74.00	14.48
25 675.50	19.54	AV	V	45.60	10.45	36.80		0.63	41.35	54.00	12.65
25 701.00	39.21	PK	H	45.60	10.48	36.80		–	60.42	74.00	13.58
25 701.00	16.69	AV	H	45.60	10.48	36.80		0.63	38.53	54.00	15.47



802.11 b / CH 01(Low) / (18 ~ 26.5) GHz(AV / Hor)



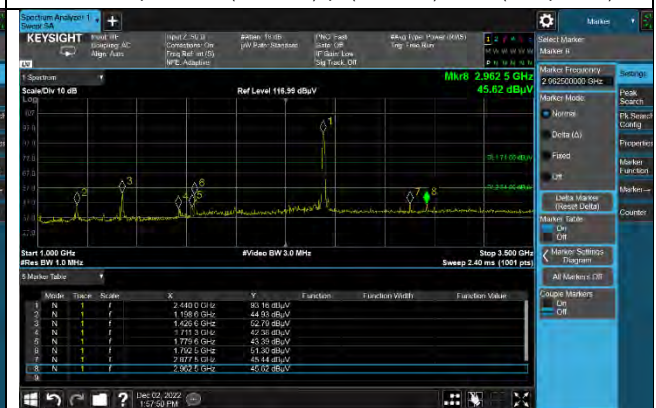
802.11 b / CH 01(Low) / (18 ~ 26.5) GHz(AV / Ver)



802.11 b / CH 07(Middle) / (1 ~ 3.5) GHz(PK / Hor)



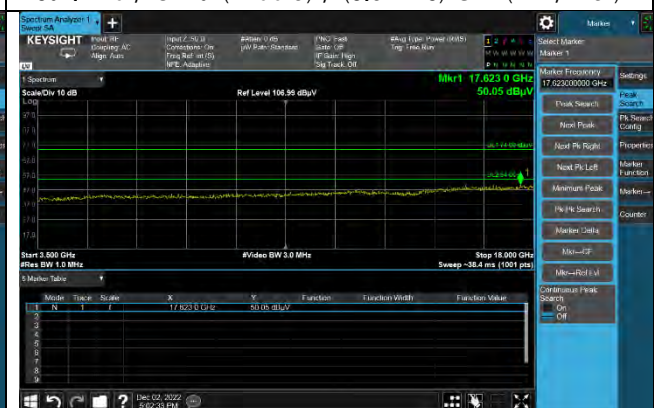
802.11 b / CH 07(Middle) / (1 ~ 3.5) GHz(PK / Ver)



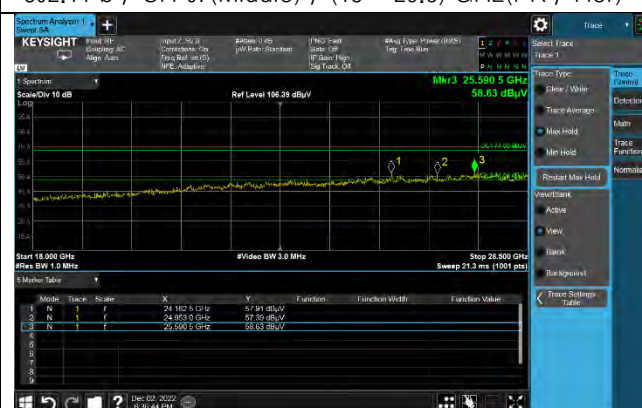
802.11 b / CH 07(Middle) / (3.5 ~ 18) GHz(PK / Hor)



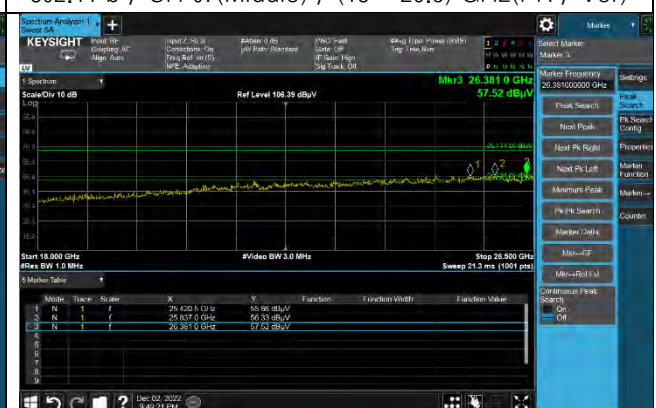
802.11 b / CH 07(Middle) / (3.5 ~ 18) GHz(PK / Ver)

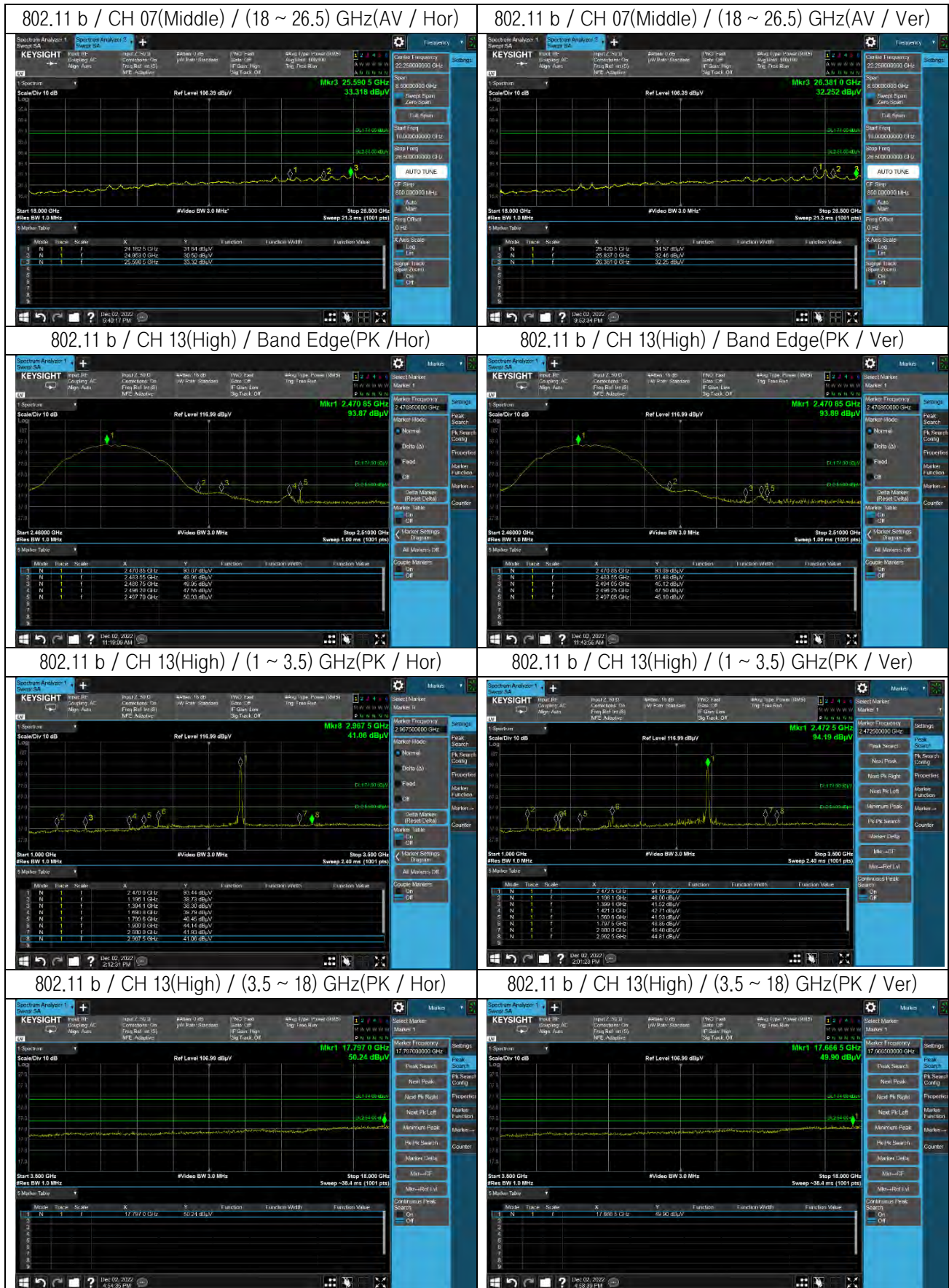


802.11 b / CH 07(Middle) / (18 ~ 26.5) GHz(PK / Hor)



802.11 b / CH 07(Middle) / (18 ~ 26.5) GHz(PK / Ver)





802.11 b / CH 13(High) / (18 ~ 26.5) GHz(PK / Hor)



802.11 b / CH 13(High) / (18 ~ 26.5) GHz(PK / Ver)



802.11 b / CH 13(High) / (18 ~ 26.5) GHz(AV / Hor)



802.11 b / CH 13(High) / (18 ~ 26.5) GHz(AV / Ver)



802.11 g / CH 01(Low) / Band Edge(PK / Hor)



802.11 g / CH 01(Low) / Band Edge(PK / Ver)

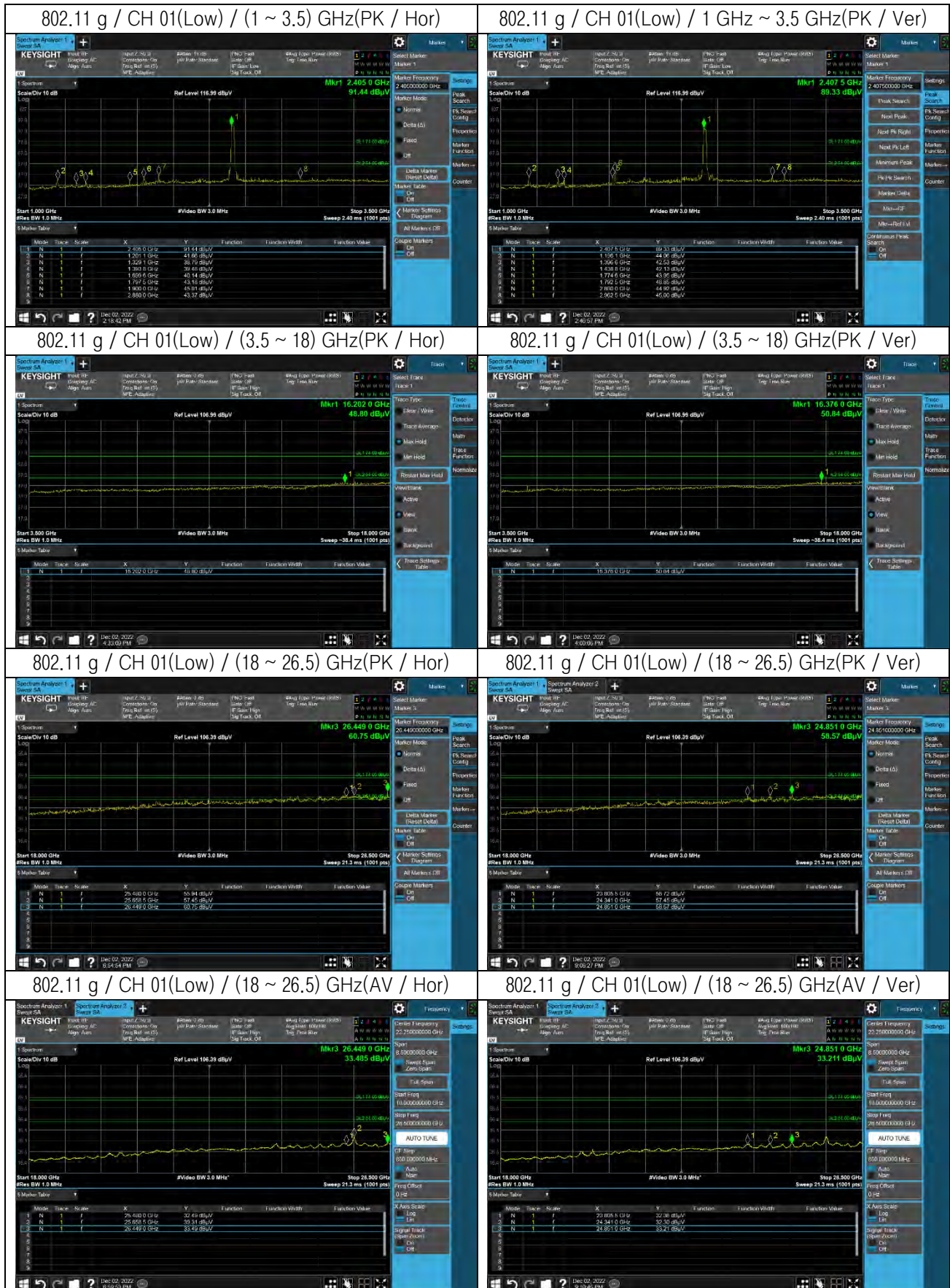


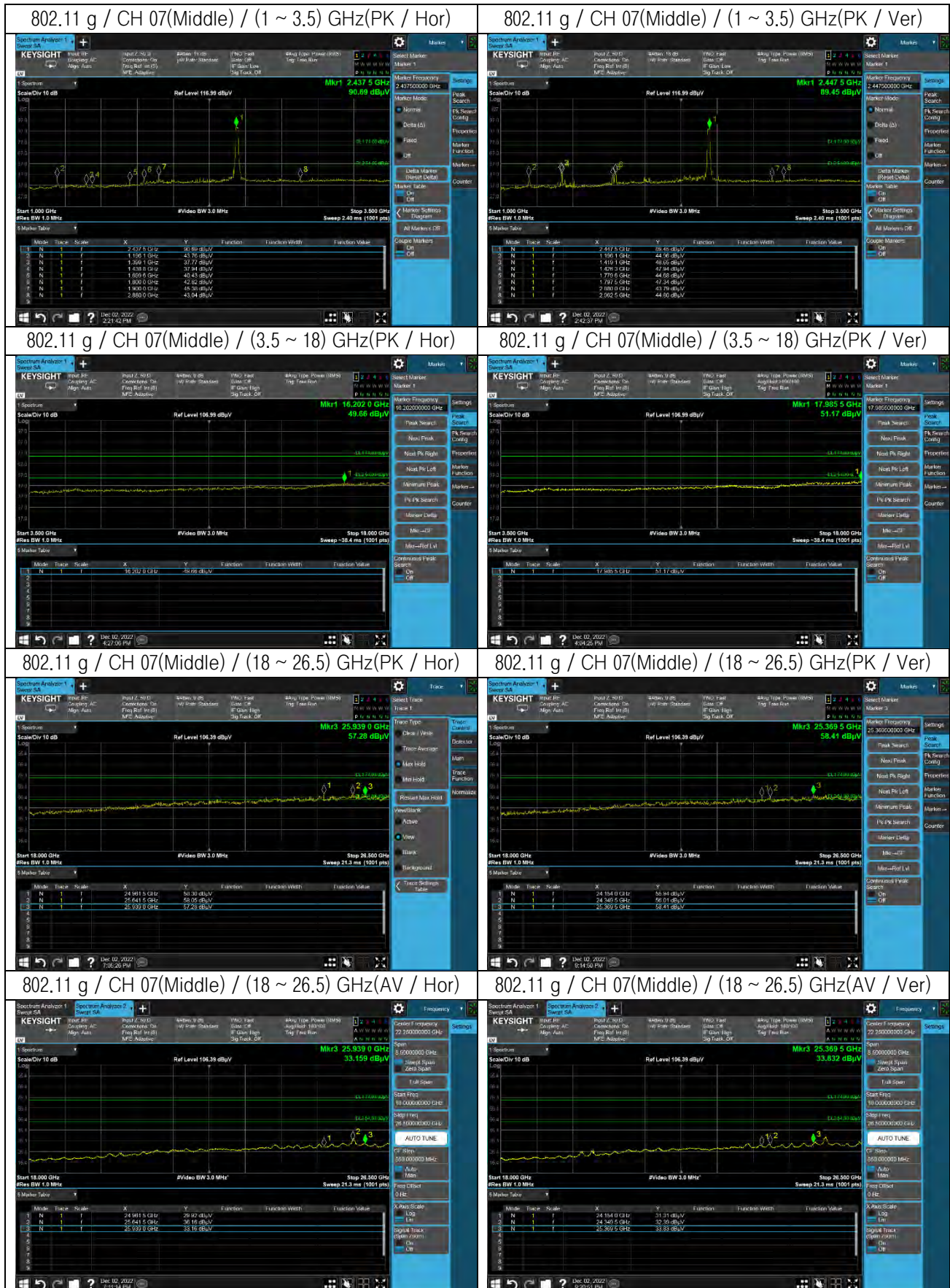
802.11 g / CH 01(Low) / Band Edge(AV / Hor)



802.11 g / CH 01(Low) / Band Edge(AV / Ver)







802.11 g / CH 13(High) / Band Edge(PK / Hor)



802.11 g / CH 13(High) / Band Edge(PK / Ver)



802.11 g / CH 13(High) / Band Edge(AV / Hor)



802.11 g / CH 13(High) / Band Edge(AV / Ver)



802.11 g / CH 13(High) / (1 ~ 3.5) GHz(PK / Hor)



802.11 g / CH 13(High) / (1 ~ 3.5) GHz(PK / Ver)

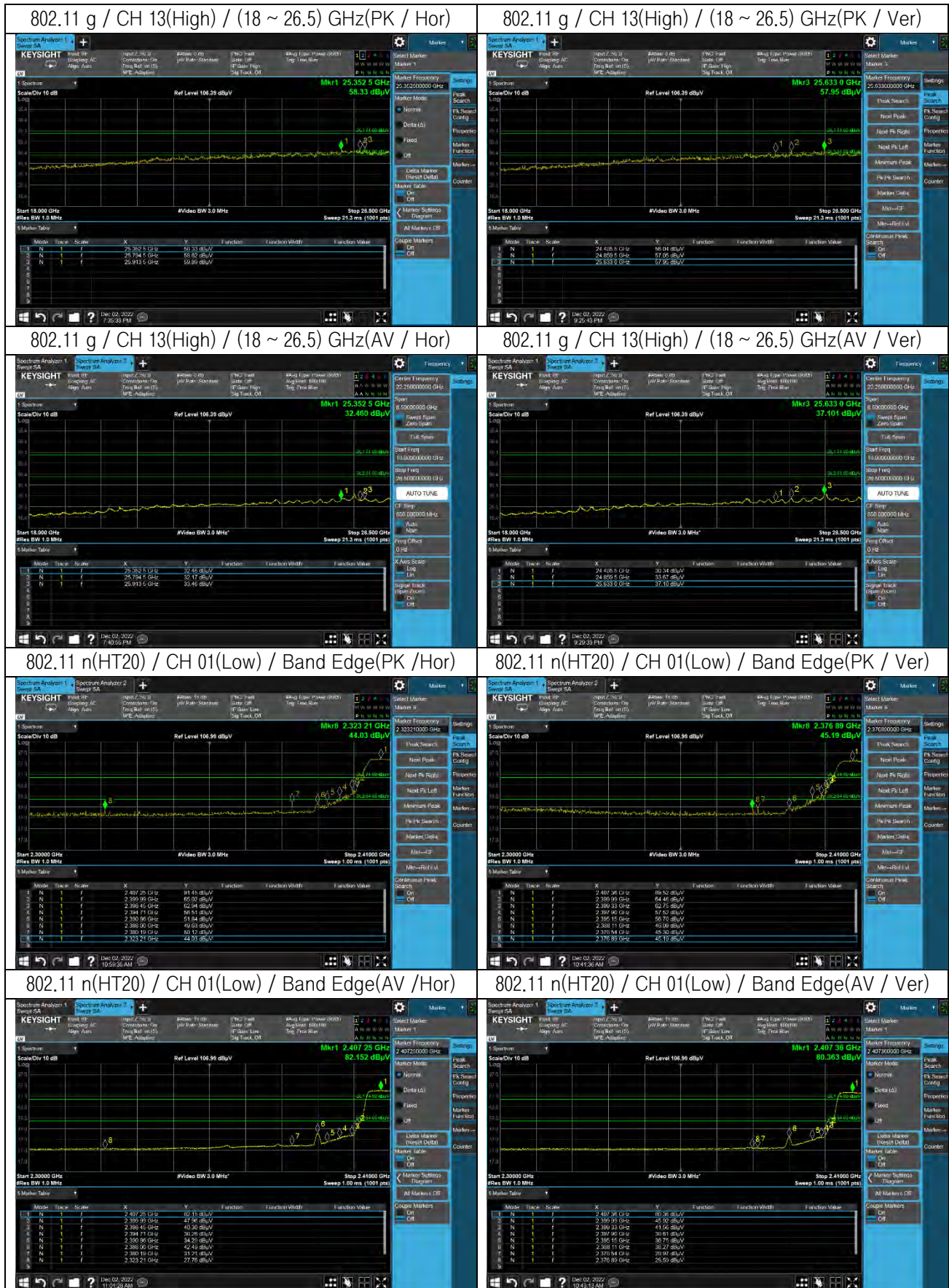


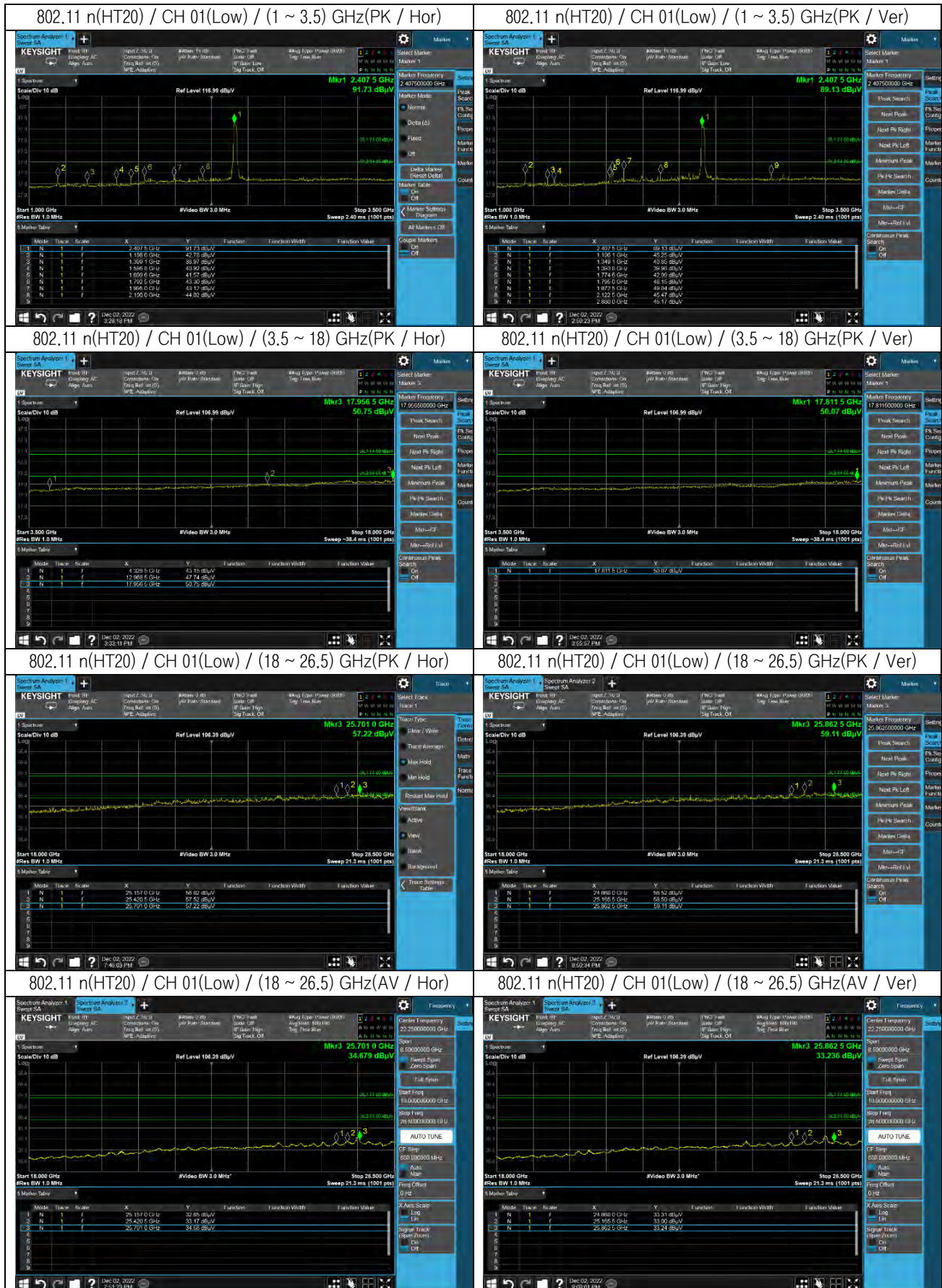
802.11 g / CH 13(High) / (3.5 ~ 18) GHz(PK / Hor)

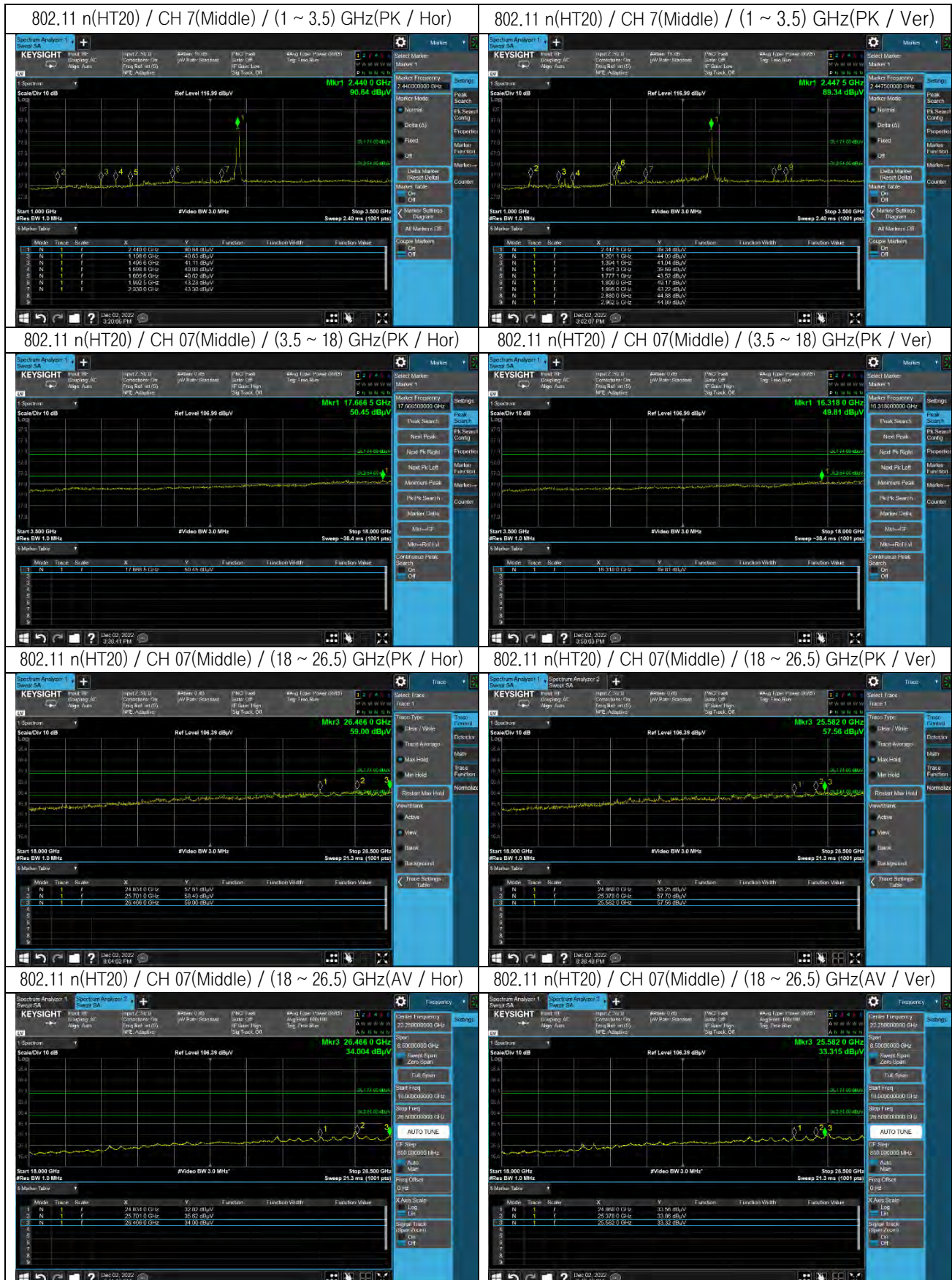


802.11 g / CH 13(High) / (3.5 ~ 18) GHz(PK / Ver)









802.11 n(HT20) / CH 13(High) / Band Edge(PK / Hor)



802.11 n(HT20) / CH 13(High) / Band Edge(PK / Ver)



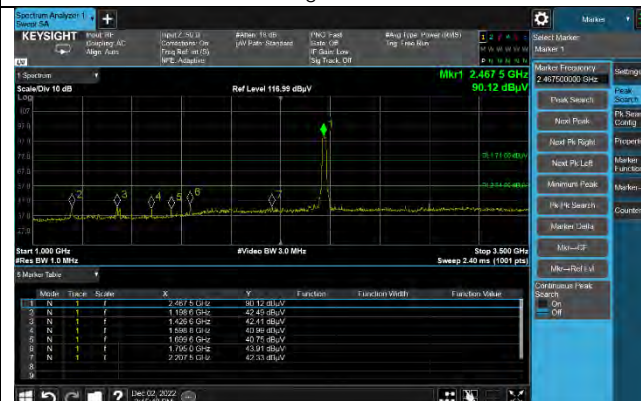
802.11 n(HT20) / CH 13(High) / Band Edge(AV / Hor)



802.11 n(HT20) / CH 13(High) / Band Edge(AV / Ver)



802.11 n(HT20) / CH 13(High) / (1 ~ 3.5) GHz(PK / Hor)



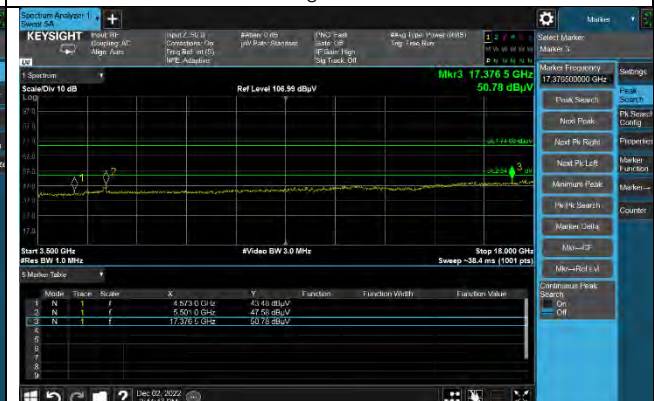
802.11 n(HT20) / CH 13(High) / (1 ~ 3.5) GHz(PK / Ver)



802.11 n(HT20) / CH 13(High) / (3.5 ~ 18) GHz(PK / Hor)



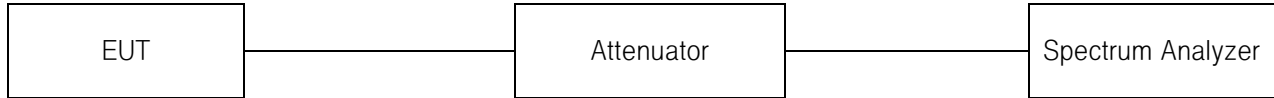
802.11 n(HT20) / CH 13(High) / (3.5 ~ 18) GHz(PK / Ver)





6.5. Conducted Spurious Emissions

■ Test Setup



■ Limit

According to § 15.247(d), In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

■ Test procedure

ANSI C63.10 2013 Section 6.10.4 & Section 7.8.8 & Section 11.11

6.10.4 Authorized-band band-edge measurements (relative method)

- 1) Span: Wide enough to capture the peak level of the emission operating on the channel closest to the band edge, as well as any modulation products that fall outside of the authorized band of operation.
- 2) Reference level: As required to keep the signal from exceeding the maximum instrument input mixer level for linear operation. In general, the peak of the spectral envelope shall be more than $[10 \log (OBW/RBW)]$ below the reference level.
- 3) Attenuation: Auto (at least 10 dB preferred).
- 4) Sweep time: Coupled.
- 5) Resolution bandwidth: 100 kHz., Video bandwidth: 300 kHz.
- 6) Detector: Peak., Trace: Max hold.

7.8.8 Conducted spurious emissions test methodology

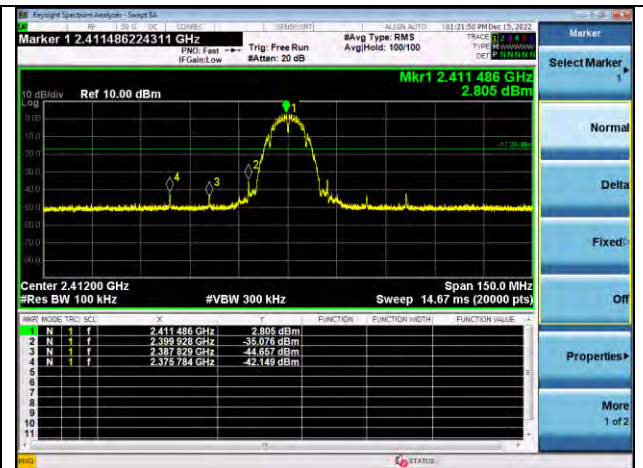
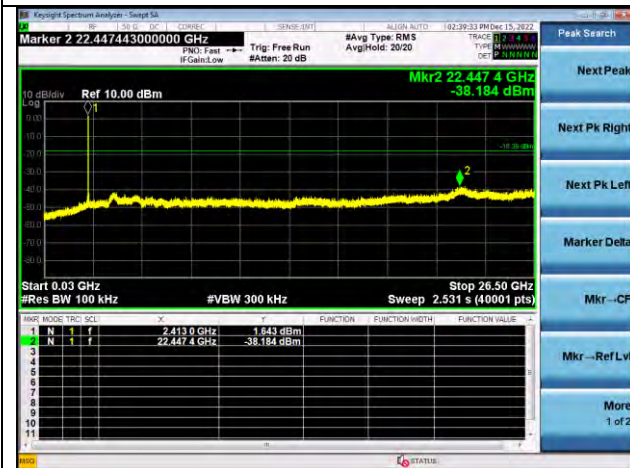
- 1) Span : 30 MHz to 10 times the operating frequency in GHz.
- 2) RBW = 100 kHz., VBW = 300 kHz.
- 3) Sweep time = Coupled, Detector = peak.

11.11.3 Emission level measurement

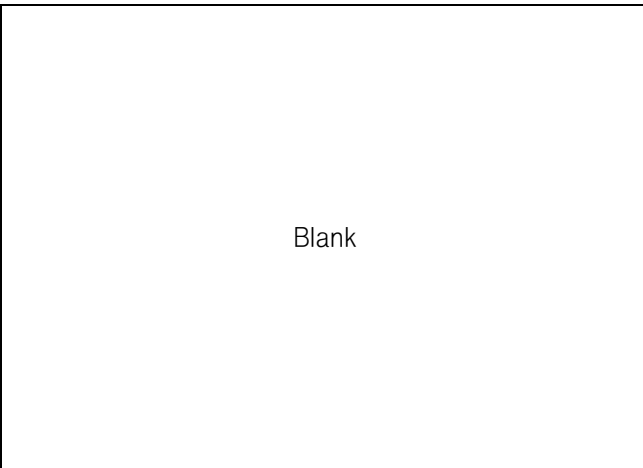
- a) Set the center frequency and span to encompass frequency range to be measured.
- b) Set the RBW = 100 kHz., Set the VBW $\geq [3 \times RBW]$.
- c) Detector = peak., Sweep time = auto couple., Trace mode = max hold.
- d) Allow trace to fully stabilize.
- e) Use the peak marker function to determine the maximum amplitude level.

Test Result

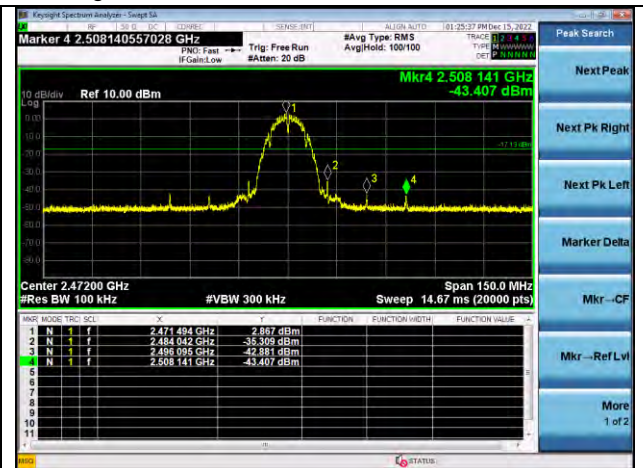
802.11 b / CH 01(Low)



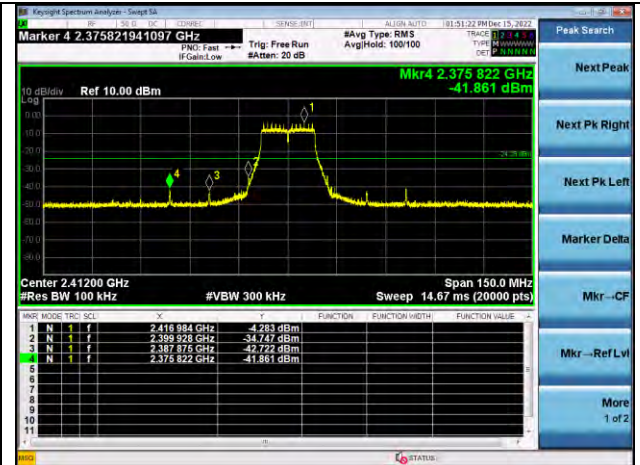
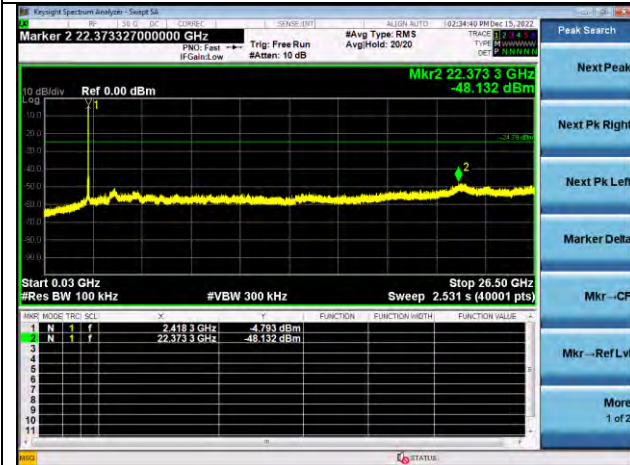
802.11 b / CH 07(Middle)



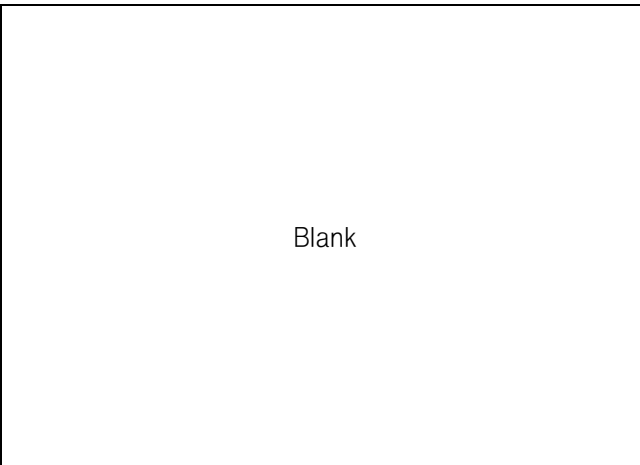
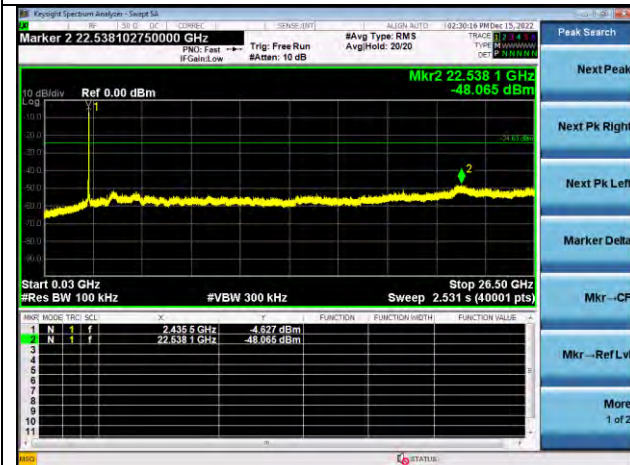
802.11 b / CH 13(High)



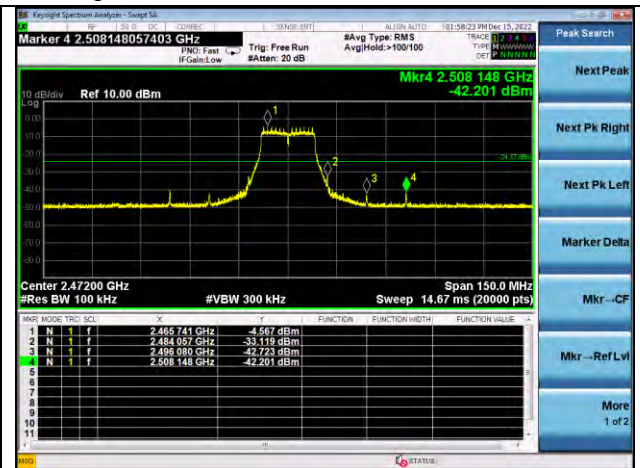
802.11 g / CH 01(Low)



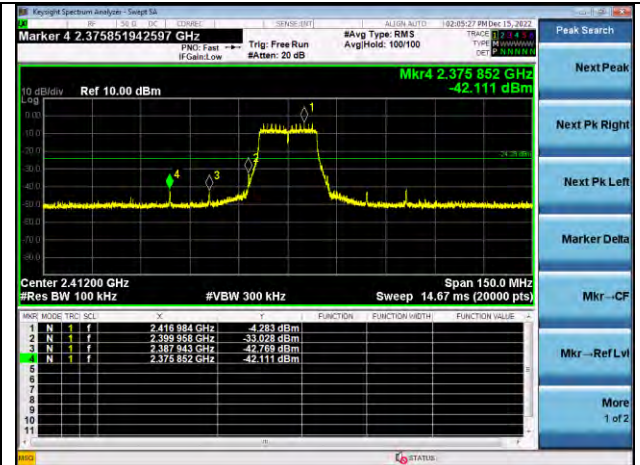
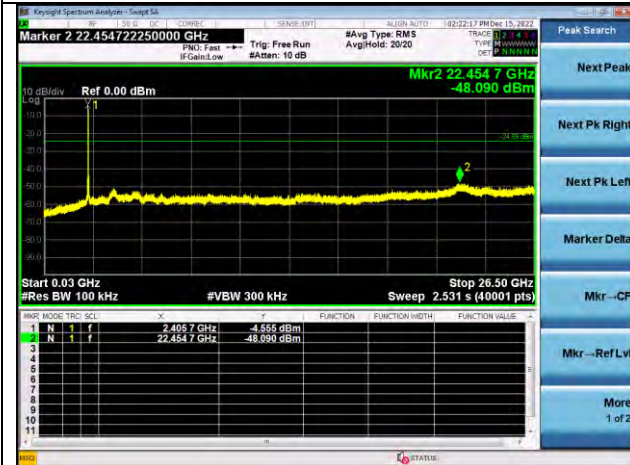
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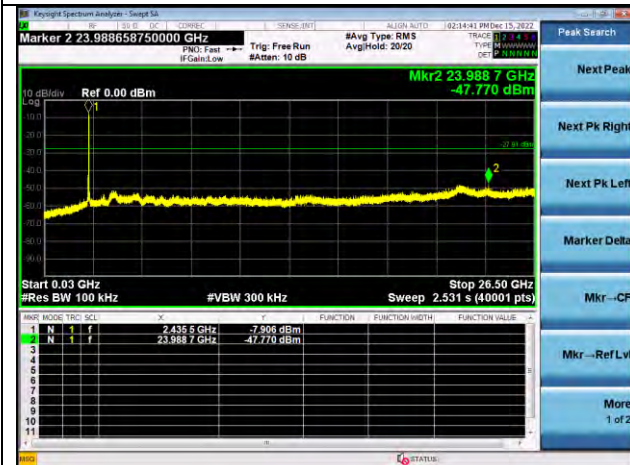
802.11 g / CH 13(High)



802.11 n(HT20) / CH 01(Low)



802.11 n(HT20) / CH 07(Middle)



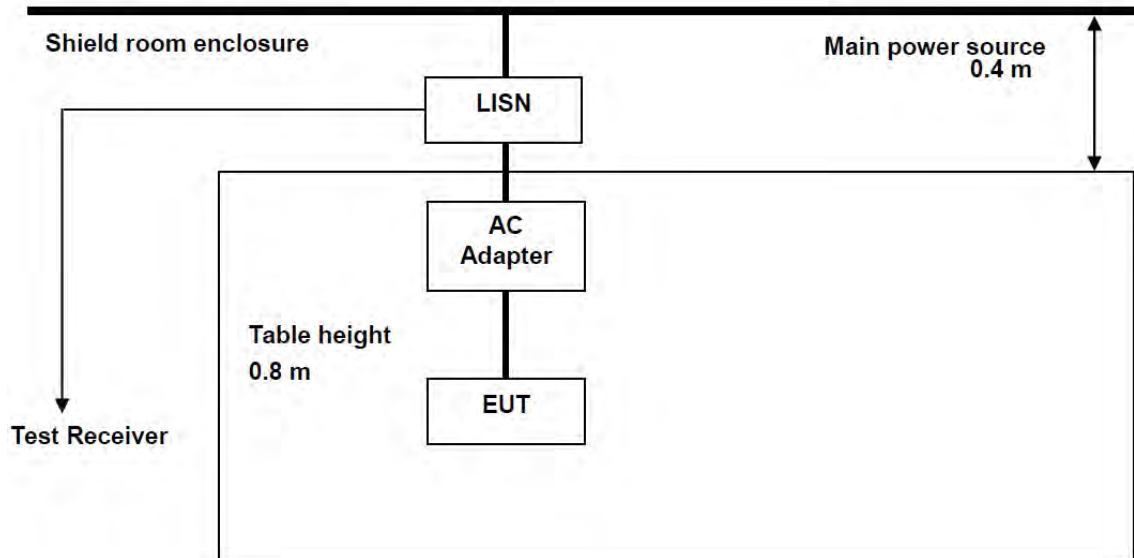
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802.11 n(HT20) / CH 13(High)



6.6. AC Power Line Conducted Emissions

▣ Test Setup



▣ Limit

According to § 15.207(a), 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 50 μ H/50 ohms line impedance stabilization network (LISN). Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges

Frequency of Emission (MHz)	Conducted limit (dB μ V)	
	Quasi-Peak	Average
0.15 – 0.5	66 to 56*	56 to 46*
0.5 – 5	56	46
5 – 30	60	50

*Decreases with the logarithm of the frequency.

▣ Test procedure

ANSI C63.10 2013 Section 6.2

1. The EUT is placed on a wooden table 80 cm above the reference ground plane and 40 cm from the conducting wall of the shielding room.
2. Connect EUT to the power mains through a line impedance stabilization network(LISN) which provides 50 ohm coupling impedance for measuring instrument.
3. All peripherals are connecting to the other LISN
4. The frequency range from 150 kHz to 30 MHz was performed.
5. Set the test receiver to Peak detector and a bandwidth of 9 kHz with maximum hold mode. And then measurement is also performed by Average and Quasi-Peak detector
6. The EUT is transmitting mode during the measurement.

■ Test Result

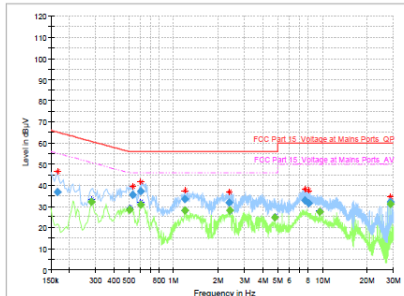
802.11 b / CH 01(Low)

Test

EMC32 Report

Common Information

EUT: SOL COUNT 1
Order Number : EFC-2022-000021
Factor : ENV216(101365)
Polarization : Live & Neutral
Test Voltage : 120 V~, 60 Hz
Test Spec : FCC Part 15 SUBPART C



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	C-Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.155000	36.78	—	55.15	28.37	1000.0	9.000	N	9.6
0.250000	—	32.09	50.75	18.66	1000.0	9.000	L1	9.6
0.506000	—	28.37	46.00	17.63	1000.0	9.000	L1	9.6
0.530000	35.58	—	56.00	20.48	1000.0	9.000	L1	9.6
0.602000	37.37	—	56.00	18.63	1000.0	9.000	L1	9.7
0.602000	—	30.91	46.00	15.09	1000.0	9.000	L1	9.7
1.190000	33.45	—	56.00	22.55	1000.0	9.000	L1	9.7
1.194000	—	28.20	46.00	17.80	1000.0	9.000	L1	9.7
2.362000	31.63	—	56.00	24.37	1000.0	9.000	L1	9.7
2.386000	—	27.90	46.00	18.01	1000.0	9.000	L1	9.7
4.770000	—	24.96	46.00	21.04	1000.0	9.000	L1	9.8
7.654000	32.62	—	60.00	27.38	1000.0	9.000	N	10.0
8.126000	31.49	—	60.00	28.50	1000.0	9.000	N	10.0
9.246000	—	27.49	50.00	22.51	1000.0	9.000	L1	10.0
28.634000	—	31.13	50.00	18.87	1000.0	9.000	L1	10.4
28.634000	32.16	—	60.00	27.84	1000.0	9.000	L1	10.4

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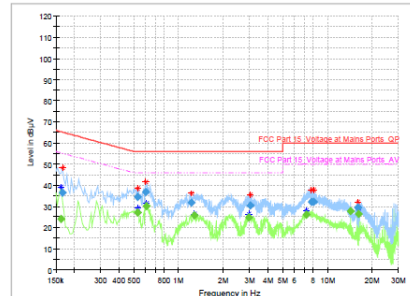
802.11 b / CH 07(Middle)

Test

EMC32 Report

Common Information

EUT: SOL COUNT 1
Order Number : EFC-2022-000021
Factor : ENV216(101365)
Polarization : Live & Neutral
Test Voltage : 120 V~, 60 Hz
Test Spec : FCC Part 15 SUBPART C



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	C-Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.155000	—	24.22	55.15	31.14	1000.0	9.000	L1	9.6
0.155000	36.87	—	55.15	28.28	1000.0	9.000	N	9.6
0.530000	—	27.15	46.00	18.85	1000.0	9.000	L1	9.6
0.530000	34.56	—	56.00	21.44	1000.0	9.000	L1	9.6
0.602000	36.78	—	56.00	19.22	1000.0	9.000	L1	9.7
0.610000	—	30.13	46.00	15.87	1000.0	9.000	L1	9.7
1.194000	31.78	—	56.00	24.22	1000.0	9.000	L1	9.7
1.274000	—	25.87	46.00	20.13	1000.0	9.000	L1	9.7
2.378000	—	24.85	46.00	21.15	1000.0	9.000	L1	9.7
3.030000	30.63	—	56.00	25.38	1000.0	9.000	L1	9.7
7.250000	—	26.19	50.00	23.81	1000.0	9.000	N	10.0
7.714000	32.25	—	60.00	27.75	1000.0	9.000	N	10.0
8.130000	32.33	—	60.00	27.67	1000.0	9.000	N	10.0
14.334000	—	27.66	50.00	22.34	1000.0	9.000	L1	10.1
16.500000	29.33	—	60.00	30.67	1000.0	9.000	N	10.3
16.190000	—	26.38	50.00	23.62	1000.0	9.000	N	10.3

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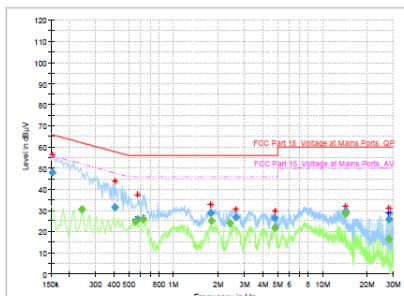
802.11 b / CH 13(High)

Test

EMC32 Report

Common Information

EUT: SOL COUNT 1
Order Number : EFC-2022-000021
Factor : ENV216(101365)
Polarization : Live & Neutral
Test Voltage : 120 V~, 60 Hz
Test Spec : FCC Part 15 SUBPART C



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	C-Average (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.154000	48.07	—	65.78	17.71	1000.0	9.000	L1	9.6
0.242000	—	30.34	52.03	21.69	1000.0	9.000	L1	9.6
0.486000	31.52	—	57.13	25.61	1000.0	9.000	L1	9.6
0.558000	—	24.85	46.00	21.15	1000.0	9.000	L1	9.6
0.578000	25.88	—	56.00	30.08	1000.0	9.000	N	9.7
0.626000	—	25.60	46.00	20.31	1000.0	9.000	L1	9.7
1.786000	28.74	—	56.00	27.26	1000.0	9.000	L1	9.7
1.796000	—	25.30	46.00	20.69	1000.0	9.000	L1	9.7
2.386000	—	24.26	46.00	21.74	1000.0	9.000	L1	9.7
2.500000	26.88	—	56.00	29.11	1000.0	9.000	L1	9.7
4.774000	26.80	—	56.00	29.19	1000.0	9.000	L1	9.8
4.774000	—	21.85	46.00	24.15	1000.0	9.000	L1	9.8
14.336000	—	28.65	50.00	21.35	1000.0	9.000	L1	10.1
14.336000	29.63	—	60.00	30.37	1000.0	9.000	L1	10.1
28.642000	—	16.30	50.00	33.47	1000.0	9.000	L1	10.4
28.642000	25.85	—	60.00	34.15	1000.0	9.000	L1	10.4

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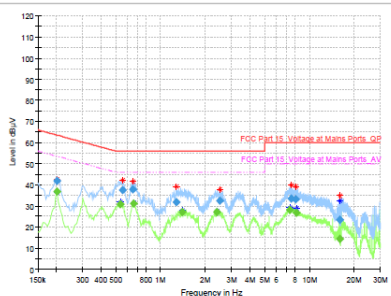
802.11 g / CH 01(Low)

Test

EMC32 Report

Common Information

EUT: SOL COUNT 1
Order Number: EFC-2022-000021
Factor: ENV216(101365)
Polarization: Live & Neutral
Test Voltage: 120 V~, 60 Hz
Test Spec: FCC Part 15 SUBPART C



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	C-Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.202000	---	38.90	53.53	16.73	1000.0	9.000	L1	9.6
0.202000	41.76	63.53	21.77	1000.0	9.000	L1	9.6	
0.538000	---	30.92	46.00	15.08	1000.0	9.000	L1	9.6
0.538000	37.51	---	56.00	18.49	1000.0	9.000	L1	9.6
0.538000	37.83	---	56.00	18.07	1000.0	9.000	L1	9.7
0.538000	---	31.12	46.00	14.88	1000.0	9.000	L1	9.7
1.274000	31.87	---	56.00	24.03	1000.0	9.000	L1	9.7
1.402000	---	27.30	46.00	18.70	1000.0	9.000	L1	9.7
2.384000	---	27.03	46.00	18.97	1000.0	9.000	L1	9.7
2.506000	32.46	---	56.00	23.54	1000.0	9.000	L1	9.7
7.382000	---	28.01	50.00	21.99	1000.0	9.000	N	10.0
7.522000	33.37	---	60.00	26.63	1000.0	9.000	N	10.0
8.110000	33.20	---	60.00	26.80	1000.0	9.000	N	10.0
8.214000	---	26.90	50.00	23.10	1000.0	9.000	N	10.0
16.118000	14.26	---	50.00	35.74	1000.0	9.000	N	10.3
16.118000	23.58	---	60.00	36.50	1000.0	9.000	N	10.3

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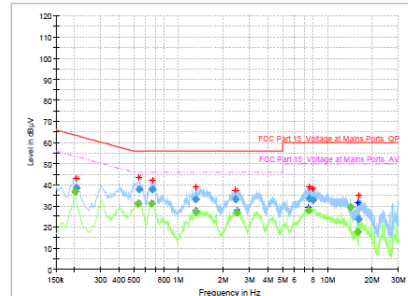
802.11 g / CH 07(Middle)

Test

EMC32 Report

Common Information

EUT: SOL COUNT 1
Order Number: EFC-2022-000021
Factor: ENV216(101365)
Polarization: Live & Neutral
Test Voltage: 120 V~, 60 Hz
Test Spec: FCC Part 15 SUBPART C



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	C-Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.202000	---	36.84	53.53	16.68	1000.0	9.000	L1	9.6
0.206000	38.52	---	63.37	24.85	1000.0	9.000	L1	9.6
0.538000	---	31.02	46.00	14.97	1000.0	9.000	L1	9.6
0.546000	37.83	---	56.00	18.17	1000.0	9.000	L1	9.6
0.538000	---	31.24	46.00	14.76	1000.0	9.000	L1	9.7
0.569000	37.85	---	56.00	18.15	1000.0	9.000	L1	9.7
1.310000	33.08	---	56.00	22.92	1000.0	9.000	L1	9.7
1.414000	---	27.06	46.00	18.94	1000.0	9.000	L1	9.7
2.430000	33.25	---	56.00	22.75	1000.0	9.000	L1	9.7
2.478000	---	26.84	46.00	19.16	1000.0	9.000	L1	9.7
7.434000	---	27.37	50.00	22.03	1000.0	9.000	N	10.0
7.526000	33.61	---	60.00	26.39	1000.0	9.000	N	10.0
8.114000	32.92	---	60.00	27.08	1000.0	9.000	N	10.0
16.134000	---	25.56	50.00	24.44	1000.0	9.000	L1	10.1
16.022000	---	17.74	50.00	32.26	1000.0	9.000	N	10.3
16.226000	23.74	---	60.00	36.26	1000.0	9.000	N	10.3

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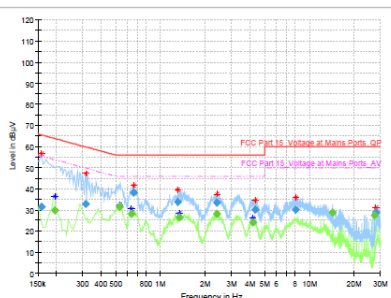
802.11 g / CH 13(High)

Test

EMC32 Report

Common Information

EUT: SOL COUNT 1
Order Number: EFC-2022-000021
Factor: ENV216(101365)
Polarization: Live & Neutral
Test Voltage: 120 V~, 60 Hz
Test Spec: FCC Part 15 SUBPART C



Final Result

Frequency (MHz)	QuasiPeak (dBuV)	C-Average (dBuV)	Limit (dBuV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.138000	31.32	---	63.57	34.05	1000.0	9.000	N	9.6
0.134000	---	29.08	53.86	24.78	1000.0	9.000	L1	9.6
0.314000	32.76	---	59.86	27.11	1000.0	9.000	N	9.7
0.538000	---	31.37	46.00	14.63	1000.0	9.000	L1	9.6
0.634000	---	28.25	46.00	17.75	1000.0	9.000	L1	9.7
0.538000	38.21	---	56.00	17.79	1000.0	9.000	L1	9.7
1.314000	34.00	---	56.00	22.00	1000.0	9.000	L1	9.7
1.342000	---	26.54	46.00	19.46	1000.0	9.000	L1	9.7
2.382000	33.47	---	56.00	22.53	1000.0	9.000	L1	9.7
2.386000	---	28.08	46.00	17.92	1000.0	9.000	L1	9.7
4.202000	---	24.11	46.00	21.89	1000.0	9.000	L1	9.8
4.122000	30.31	---	56.00	25.69	1000.0	9.000	L1	9.8
8.122000	30.26	---	60.00	29.74	1000.0	9.000	L1	9.9
14.334000	---	28.72	50.00	21.28	1000.0	9.000	L1	10.1
27.430000	---	27.49	50.00	22.51	1000.0	9.000	L1	10.4
28.022000	28.79	---	60.00	31.21	1000.0	9.000	L1	10.4

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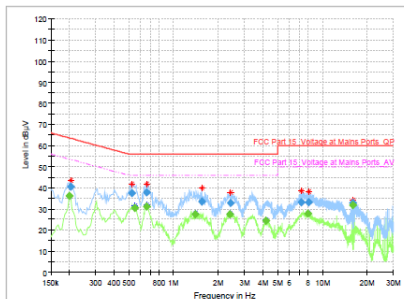
802.11 n(HT20) / CH 01(Low)

Test

EMC32 Report

Common Information

EUT: SOL COUNT 1
Order Number: EFC-2022-000021
Factor: ENV216(101365)
Polarization: Live & Neutral
Test Voltage: 120 V~, 60 Hz
Test Spec: FCC Part 15 SUBPART C



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Coverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.199500	—	38.13	53.63	17.50	1000.0	9.000	L1	9.6
0.204900	49.43	—	63.43	23.01	1000.0	9.000	L1	9.6
0.521500	37.89	—	56.00	18.49	1000.0	9.000	L1	9.6
0.550500	—	38.57	46.00	15.43	1000.0	9.000	L1	9.6
0.654000	—	31.15	46.00	14.85	1000.0	9.000	L1	9.6
0.683000	37.84	—	56.00	18.16	1000.0	9.000	L1	9.6
1.401000	—	27.47	46.00	18.53	1000.0	9.000	L1	9.6
1.545000	33.68	—	56.00	22.32	1000.0	9.000	L1	9.6
2.385500	—	27.58	46.00	18.42	1000.0	9.000	L1	9.6
2.492000	32.93	—	56.00	23.07	1000.0	9.000	L1	9.6
4.173500	—	24.45	46.00	21.55	1000.0	9.000	L1	9.6
7.224000	33.31	—	60.00	26.69	1000.0	9.000	N	9.7
8.007000	—	27.62	50.00	22.38	1000.0	9.000	N	9.7
8.054500	33.08	—	60.00	26.95	1000.0	9.000	N	9.7
16.107000	—	31.78	50.00	18.22	1000.0	9.000	N	9.8
16.107500	32.71	—	60.00	27.29	1000.0	9.000	N	9.8

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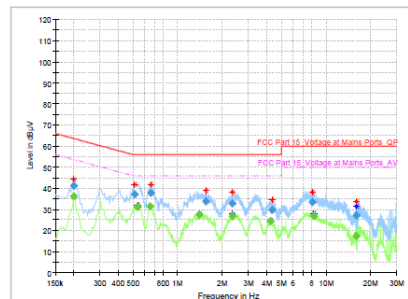
802.11 n(HT20) / CH 07(Middle)

Test

EMC32 Report

Common Information

EUT: SOL COUNT 1
Order Number: EFC-2022-000021
Factor: ENV216(101365)
Polarization: Live & Neutral
Test Voltage: 120 V~, 60 Hz
Test Spec: FCC Part 15 SUBPART C



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Coverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.199500	—	38.15	53.63	17.48	1000.0	9.000	L1	9.6
0.199500	41.18	—	63.63	22.45	1000.0	9.000	L1	9.6
0.514500	37.18	—	56.00	18.82	1000.0	9.000	L1	9.6
0.537000	—	31.14	46.00	14.86	1000.0	9.000	L1	9.6
0.654000	—	31.58	46.00	14.42	1000.0	9.000	L1	9.6
0.683000	37.90	—	56.00	18.10	1000.0	9.000	L1	9.6
1.401000	—	27.52	46.00	18.48	1000.0	9.000	L1	9.6
1.545000	33.78	—	56.00	22.22	1000.0	9.000	L1	9.6
2.337000	32.95	—	56.00	23.04	1000.0	9.000	L1	9.6
2.337000	—	26.84	46.00	19.16	1000.0	9.000	L1	9.6
4.245000	—	24.42	46.00	21.58	1000.0	9.000	L1	9.7
4.335500	29.96	—	56.00	26.04	1000.0	9.000	L1	9.7
8.009000	33.39	—	60.00	26.61	1000.0	9.000	N	9.7
8.235000	—	26.94	50.00	23.06	1000.0	9.000	N	9.7
16.111500	—	17.36	50.00	32.64	1000.0	9.000	N	9.8
16.111500	27.09	—	60.00	32.91	1000.0	9.000	N	9.8

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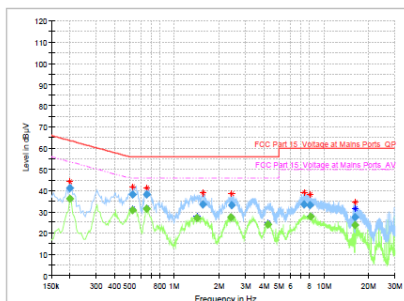
802.11 n(HT20) / CH 13(High)

Test

EMC32 Report

Common Information

EUT: SOL COUNT 1
Order Number: EFC-2022-000021
Factor: ENV216(101365)
Polarization: Live & Neutral
Test Voltage: 120 V~, 60 Hz
Test Spec: FCC Part 15 SUBPART C



Final Result

Frequency (MHz)	QuasiPeak (dBμV)	Coverage (dBμV)	Limit (dBμV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Corr. (dB)
0.199500	—	38.13	53.63	17.50	1000.0	9.000	L1	9.6
0.199500	41.15	—	63.63	22.48	1000.0	9.000	L1	9.6
0.521500	38.21	—	56.00	17.78	1000.0	9.000	L1	9.6
0.549000	38.10	—	56.00	17.90	1000.0	9.000	L1	9.6
0.654000	—	31.49	46.00	14.51	1000.0	9.000	L1	9.6
1.414500	—	27.30	46.00	18.70	1000.0	9.000	L1	9.6
1.545000	33.64	—	56.00	22.36	1000.0	9.000	L1	9.6
2.385500	—	27.51	46.00	18.49	1000.0	9.000	L1	9.6
2.427000	33.08	—	56.00	22.92	1000.0	9.000	L1	9.6
4.245000	—	24.25	46.00	21.75	1000.0	9.000	L1	9.7
7.355000	33.37	—	60.00	26.63	1000.0	9.000	N	9.7
8.009000	33.25	—	60.00	26.75	1000.0	9.000	N	9.7
8.205000	—	27.72	50.00	22.28	1000.0	9.000	N	9.7
16.215500	—	23.78	50.00	26.22	1000.0	9.000	N	9.8
16.215500	27.57	—	60.00	32.43	1000.0	9.000	N	9.8

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7. Test Equipment List

Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Interval	Calibration Due Date
Signal Analyzer	Keysight	N9040B	US55230181	11/10/2022	Annual	11/10/2023
Signal Analyzer	Keysight	N9010A	US55150370	06/27/2022	Annual	06/27/2023
EMI Receiver	R&S	ESW26	103016	08/19/2022	Annual	08/19/2023
EMI Receiver	R&S	ESR3	102623	09/06/2022	Annual	09/06/2023
Signal Generator	Keysight	N5173B	MY53270648	04/26/2022	Annual	04/26/2023
USB Power Sensor	Keysight	U2022XA	MY55270005	06/27/2022	Annual	06/27/2023
Attenuator	Agilent	8493C	18173	08/19/2022	Annual	08/19/2023
Function Power Supply	Agilent	6673A	MY41000334	09/05/2022	Annual	09/05/2023
DC Power Supply	Agilent	E3643A	KR03400220	09/05/2022	Annual	09/05/2023
Multimeter	Fluke	115	23570024	07/06/2022	Annual	07/06/2023
LISN	R&S	ENV216	101365	03/21/2023	Annual	03/21/2024
Loop Antenna	R&S	HFH2-Z2	825841/008	09/02/2022	Annual	09/02/2023
Bi-Log Antenna	TDK	HLP-3003C	130961	08/11/2022	Annual	08/11/2023
Horn Antenna	ETS-LINDGREN	3117	00227635	07/15/2022	Annual	07/15/2023
Horn Antenna	ETS-LINDGREN	3116C	00201452	11/25/2022	Annual	11/25/2023
Pre-Amplifier	SONOMA	310N	410788	04/20/2022	Annual	04/20/2023
Pre-Amplifier	TESTEK	TK-PA18	120006	08/29/2022	Annual	08/29/2023
Pre-Amplifier	ETS-LINDGREN	3116C-PA	00201452	11/25/2022	Annual	11/25/2023
Low Pass Filter	WAINWRIGHT	WLK12-2000-2120-11000-40SS	1	11/11/2022	Annual	11/11/2023
High Pass Filter	WAINWRIGHT	WHKX12-935-1000-15000-40SS	16	11/11/2022	Annual	11/11/2023
High Pass Filter	WAINWRIGHT	WHNX3.5/26.5G-6SS	13	04/14/2022	Annual	04/14/2023
Antenna Position Tower	Innco Systems GmbH	MA4640/800-XP-ET	N/A	N/A	N/A	N/A
Antenna Mast	Innco Systems GmbH	MHE-0200-MA	N/A	N/A	N/A	N/A
Controller	Innco Systems GmbH	CO3000	CO3000/1036/41320817/P	N/A	N/A	N/A
Coaxial Cable	HUBER+SUHNER	SCOFLEX102	38169/2	N/A	N/A	N/A
Coaxial Cable	HUBER+SUHNER	SCOFLEX102	38172/2	N/A	N/A	N/A
Coaxial Cable	HUBER+SUHNER	SCOFLEX102	38173/2	N/A	N/A	N/A
Coaxial Cable	HUBER+SUHNER	SCOFLEX104	MY32577/4	N/A	N/A	N/A
Coaxial Cable	HUBER+SUHNER	SCOFLEX104	MY31218/4	N/A	N/A	N/A
Coaxial Cable	HUBER+SUHNER	SCOFLEX104	MY31117/4	N/A	N/A	N/A
Coaxial Cable	HUBER+SUHNER	SCOFLEX104	MY31217/4	N/A	N/A	N/A
Test Software(RE)	R&S	EMC32	Ver 8.54.0	N/A	N/A	N/A
Test Software(CE)	R&S	EMC32	Ver 10.28.00	N/A	N/A	N/A

– End of Test Report –