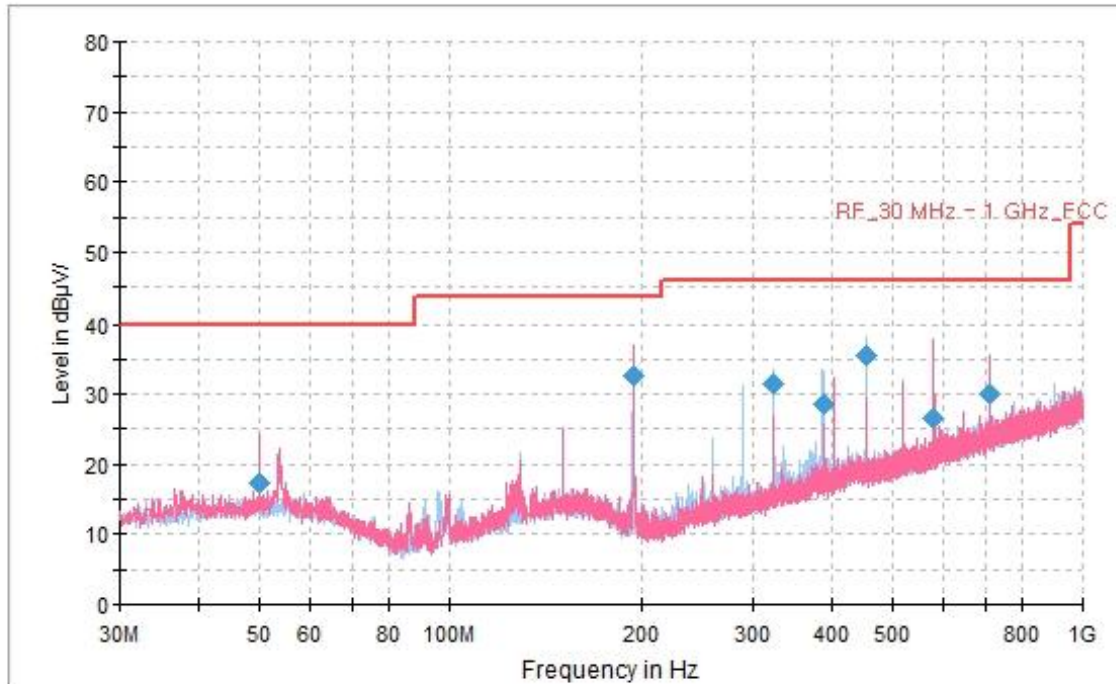




KIEL2403-YW03402-R01

Radiated Emission (Below 1 GHz)

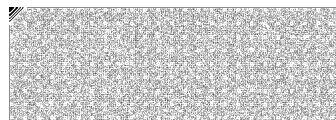
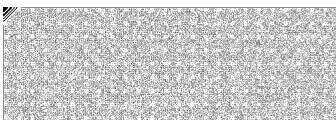
Worst case - RE(Below 1 GHz)_802.11n(HT40)_2 422 MHz



Frequency [MHz]	Quasi-Peak Reading [dBμV]	Quasi-Peak Result [dBμV/m]	Limit [dBμV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Correction Factor [dB/m]
49.939	25.27	17.47	40.00	22.53	100	V	75	-7.80
194.092	42.91	32.71	43.52	10.81	100	V	195	-10.20
323.694	36.97	31.47	46.02	14.55	100	H	125	-5.50
388.415	32.39	28.59	46.02	17.43	300	H	166	-3.80
453.189	37.59	35.59	46.02	10.43	100	H	285	-2.00
579.020	25.96	26.46	46.02	19.56	200	V	256	0.50
712.126	26.82	29.92	46.02	16.10	100	V	20	3.10

Note)

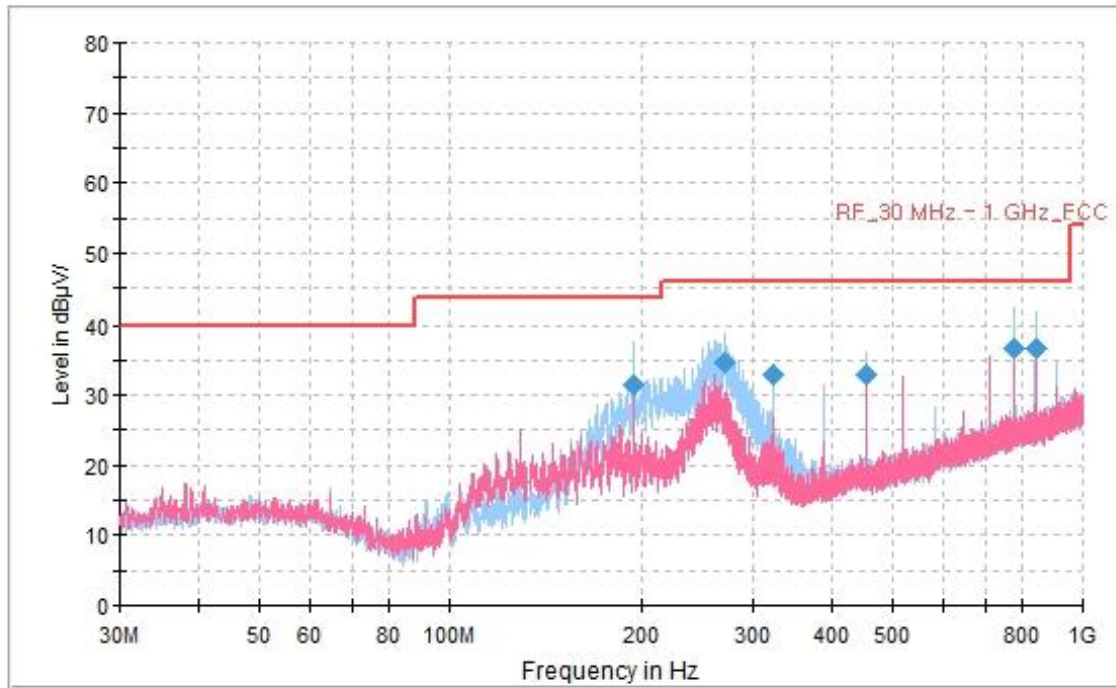
1. Quasi Peak(dBμV/m) = Quasi Peak Reading Value(dBμV) + Correction Factor(dB/m)
2. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin(dB) = (Quasi Peak) Limit (dBμV/m) – (Quasi Peak) Result (dBμV/m).





KIEL2403-YW03402-R01

Worst case - RE(Below 1 GHz)_LE1M_2 440 MHz



Frequency [MHz]	Quasi-Peak Reading [dBuV]	Quasi-Peak Result [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Corrcion Factor [dB/m]
194.092	41.71	31.51	43.52	12.01	100	H	19	-10.20
270.452	41.95	34.75	46.02	11.27	100	H	43	-7.20
323.641	38.36	32.86	46.02	13.16	100	H	131	-5.50
453.028	34.86	32.86	46.02	13.16	200	H	127	-2.00
777.331	32.39	36.79	46.02	9.23	200	H	191	4.40
841.621	31.61	36.71	46.02	9.31	100	H	39	5.10

Note)

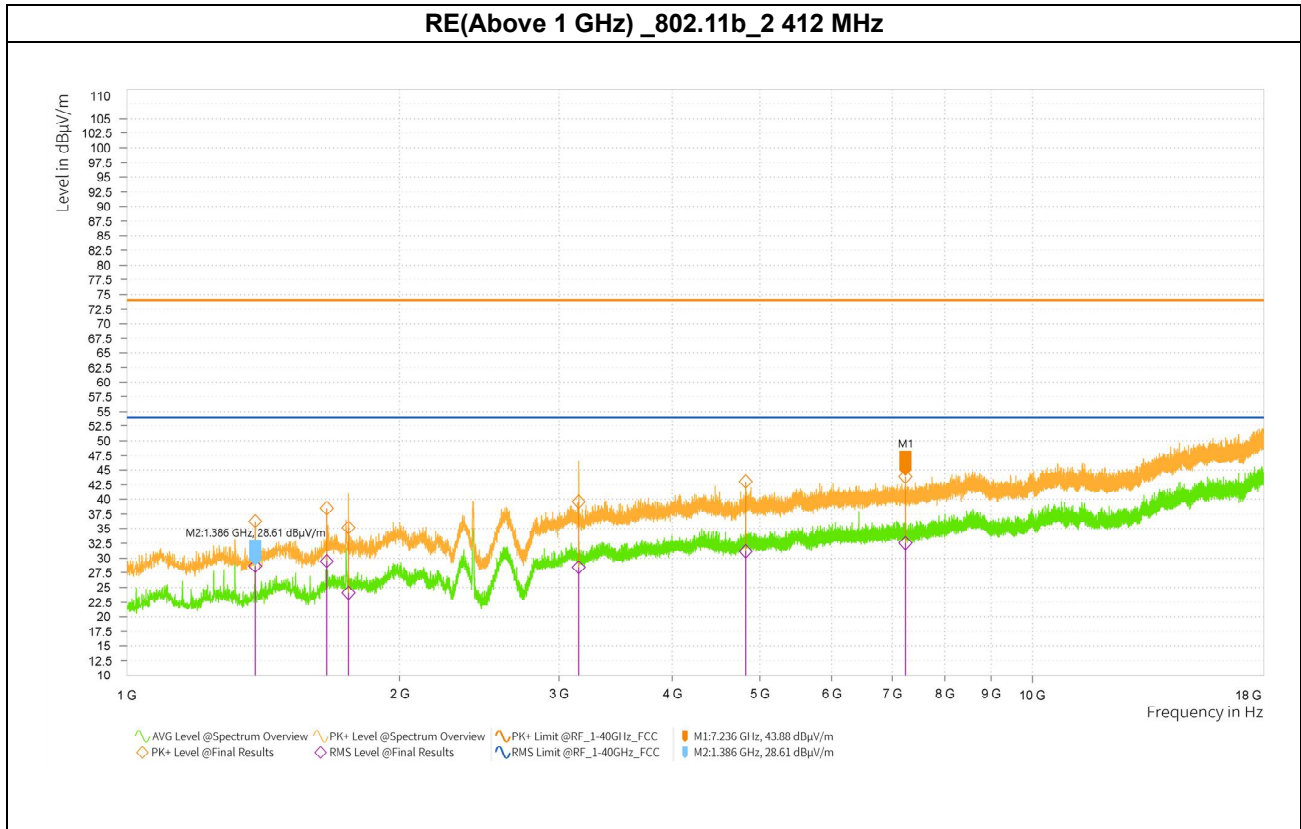
1. Quasi Peak(dBμV/m) = Quasi Peak Reading Value(dBμV) + Correction Factor(dB/m)
2. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. Margin(dB) = (Quasi Peak) Limit (dBμV/m) – (Quasi Peak) Result (dBμV/m).





KIEL2403-YW03402-R01

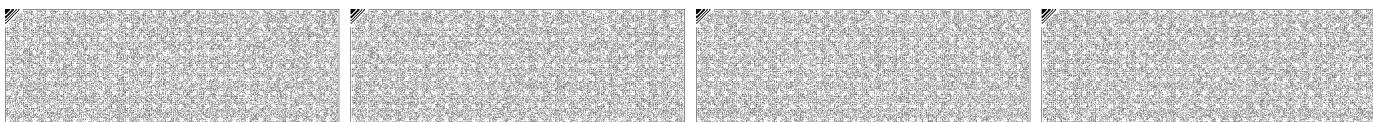
Radiated Emission (Above 1 GHz)



Frequency [MHz]	Peak Reading [dBuV]	Peak Result [dBuV/m]	AVG Reading [dBuV]	AVG Result [dBuV/m]	DCCF [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]	Peak Margin [dB]	Peak Limit [dBuV/m]	AVG Margin [dB]	AVG Limit [dBuV/m]
1 386.000	51.53	36.32	43.82	28.74	0.13	1.00	H	8.5	-15.21	37.68	74.00	25.26	54.00
* 1 662.500	52.07	38.50	43.04	29.60	0.13	1.00	H	24.3	-13.57	35.50	74.00	24.40	54.00
1 757.000	48.52	35.20	37.44	24.25	0.13	2.00	V	263.8	-13.32	38.80	74.00	29.75	54.00
3 155.000	46.24	39.58	35.06	28.53	0.13	2.00	V	186.0	-6.66	34.42	74.00	25.47	54.00
* 4 824.000	45.76	43.06	33.89	31.32	0.13	2.00	V	108.4	-2.70	30.94	74.00	22.68	54.00
7 236.000	43.64	43.88	32.31	32.68	0.13	1.00	H	207.8	0.24	30.12	74.00	21.32	54.00

Note)

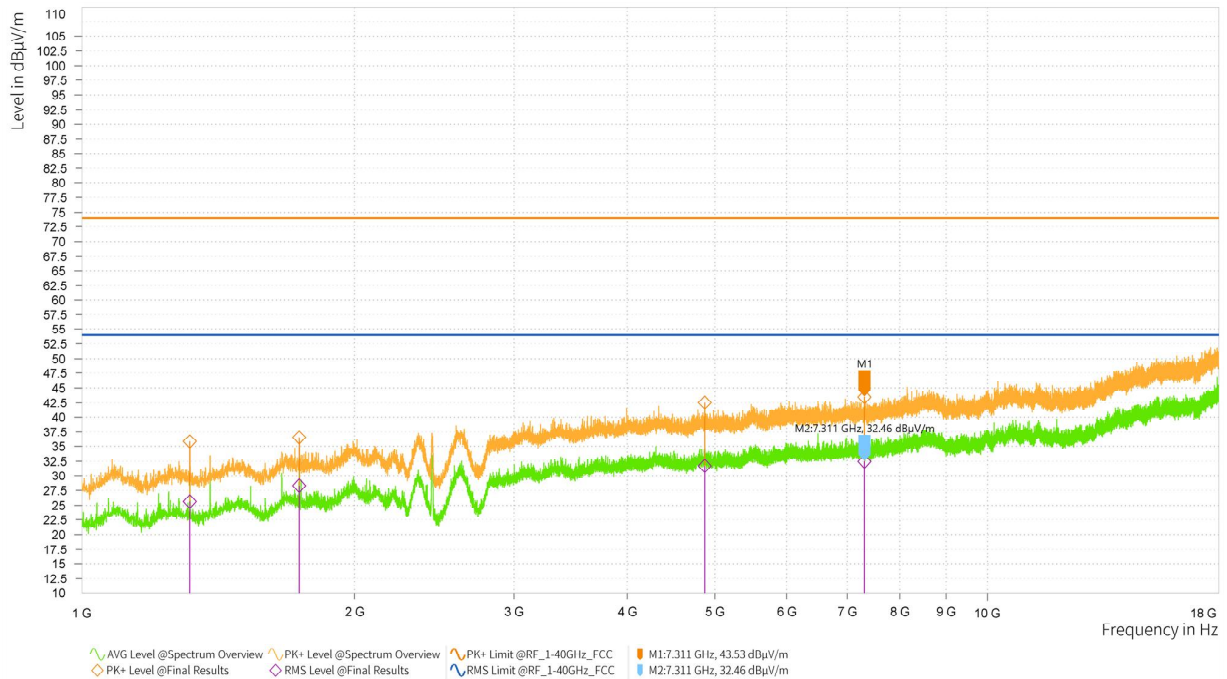
1. Peak Result(dBuV/m) = Peak Reading Value(dBuV) + Correction Factor(dB/m)
2. AVG Result(dBuV/m) = Average Reading Value (dBuV) + Correction Factor(dB/m) + DCCF
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB/m) = Antenna Factor(dB) + Cable Factor(dB) - Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Margin(dB) = (Peak/AVG) Limit (dBuV/m) - (Peak/AVG) Result (dBuV/m)
6. * - indicates frequency in Restricted Band.





KIEL2403-YW03402-R01

RE(Above 1 GHz) _802.11b_2 437 MHz



Frequency [MHz]	Peak Reading [dBuV]	Peak Result [dBuV/m]	AVG Reading [dBuV]	AVG Result [dBuV/m]	DCCF [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]	Peak Margin [dB]	Peak Limit [dBuV/m]	AVG Margin [dB]	AVG Limit [dBuV/m]
1 316.000	51.58	35.85	41.40	25.80	0.13	2.00	V	188.1	-15.73	38.15	74.00	28.20	54.00
1 737.500	49.85	36.51	41.63	28.42	0.13	2.00	H	30.1	-13.34	37.49	74.00	25.58	54.00
* 4 874.000	45.05	42.56	34.23	31.87	0.13	1.00	H	78.1	-2.49	31.44	74.00	22.13	54.00
* 7 311.000	43.43	43.53	32.36	32.59	0.13	2.00	H	356.8	0.10	30.47	74.00	21.41	54.00

Note)

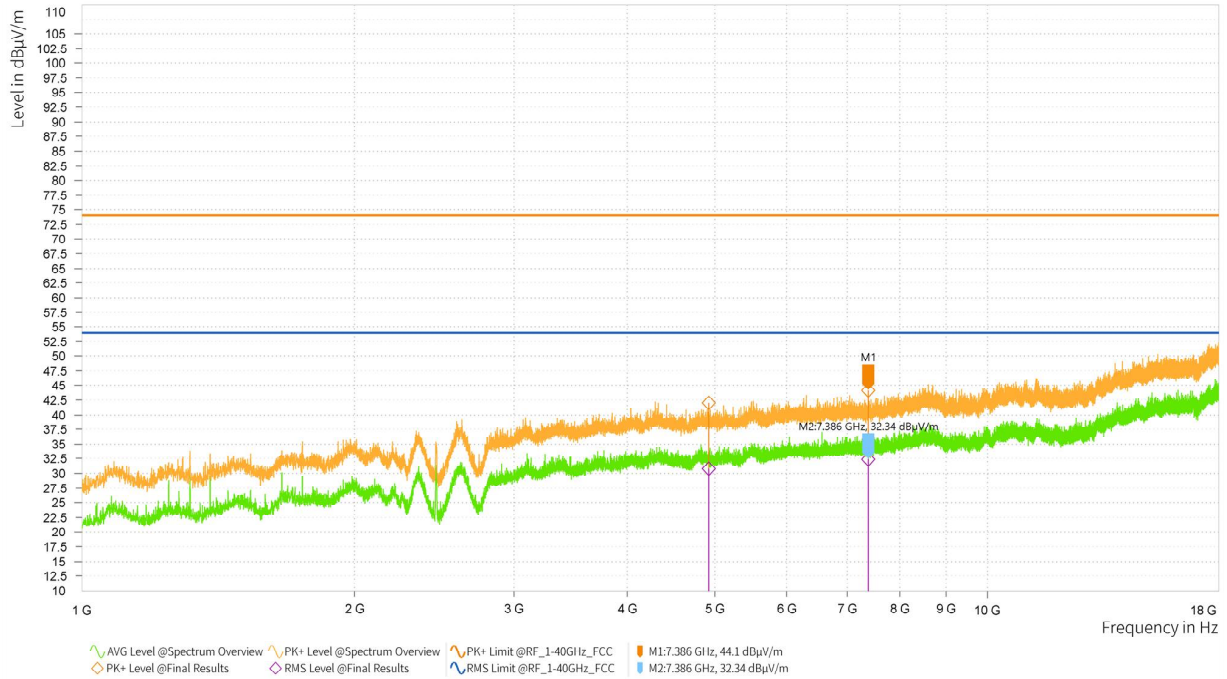
1. Peak Result(dBuV/m) = Peak Reading Value(dBuV) + Correction Factor(dB/m)
2. AVG Result(dBuV/m) = Average Reading Value (dBuV) + Correction Factor(dB/m) + DCCF
3. DCCF(Duty Cycle Correction Factor) = $10 \times \log(1/\text{Duty Cycle})$
4. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Margin(dB) = (Peak/AVG) Limit (dBuV/m) - (Peak/AVG) Result (dBuV/m)
6. * - indicates frequency in Restricted Band.





KIEL2403-YW03402-R01

RE(Above 1 GHz) _802.11b_2 462 MHz



	Frequency [MHz]	Peak Reading [dBuV]	Peak Result [dBuV/m]	AVG Reading [dBuV]	AVG Result [dBuV/m]	DCCF [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]	Peak Margin [dB]	Peak Limit [dBuV/m]	AVG Margin [dB]	AVG Limit [dBuV/m]
*	4 924.000	44.41	42.03	33.18	30.93	0.13	2.00	H	279.5	-2.38	31.97	74.00	23.07	54.00
*	7 386.000	44.06	44.10	32.30	32.47	0.13	1.00	H	52.7	0.04	29.90	74.00	21.53	54.00

Note)

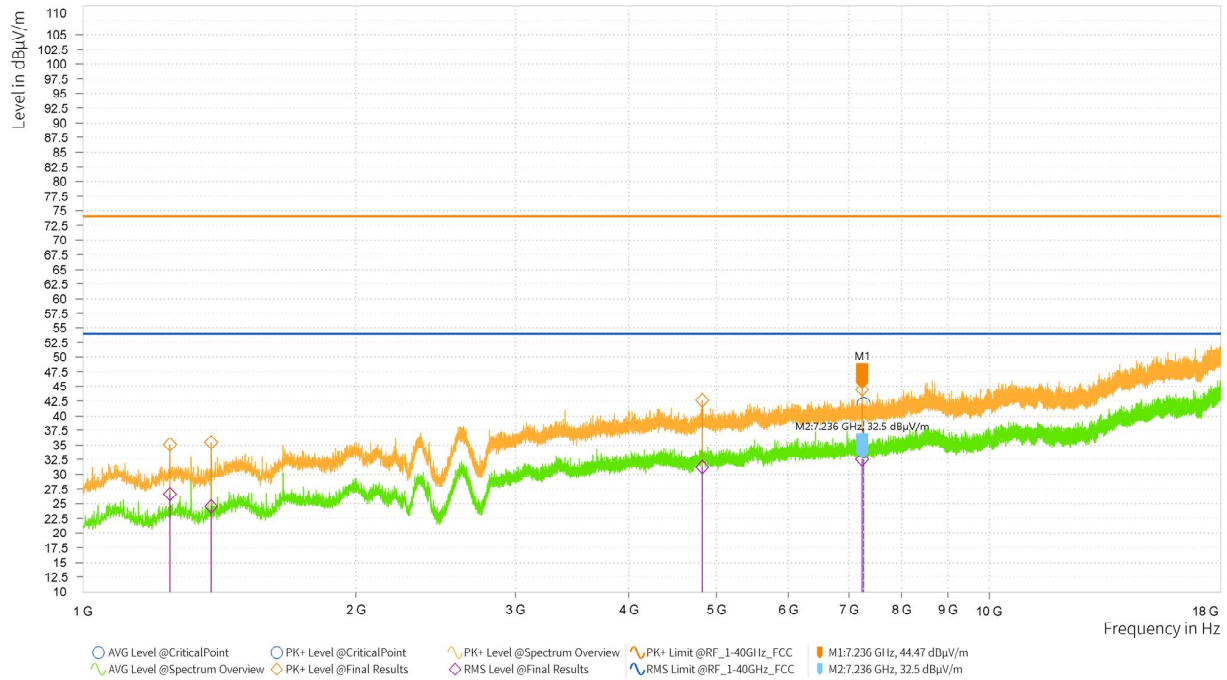
1. Peak Result(dBuV/m) = Peak Reading Value(dBuV) + Correction Factor(dB/m)
2. AVG Result(dBuV/m) = Average Reading Value (dBuV) + Correction Factor(dB/m) + DCCF
3. DCCF(Duty Cycle Correction Factor) = $10 \times \log(1/\text{Duty Cycle})$
4. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Margin(dB) = (Peak/AVG) Limit (dBuV/m) – (Peak/AVG) Result (dBuV/m)
6. * - indicates frequency in Restricted Band.





KIEL2403-YW03402-R01

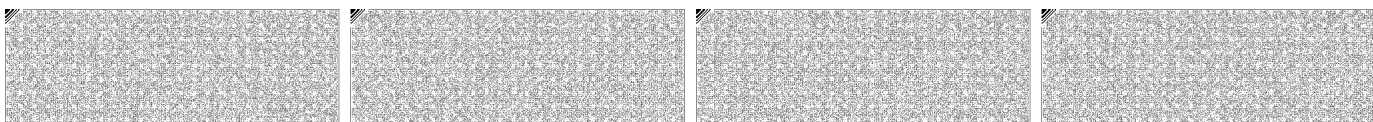
RE(Above 1 GHz) _802.11g_2 412 MHz



Frequency [MHz]	Peak Reading [dBuV]	Peak Result [dBuV/m]	AVG Reading [dBuV]	AVG Result [dBuV/m]	DCCF [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]	Peak Margin [dB]	Peak Limit [dBuV/m]	AVG Margin [dB]	AVG Limit [dBuV/m]
1 247.000	51.00	35.14	42.47	27.01	0.40	2.00	H	359.9	-15.86	38.86	74.00	26.99	54.00
1 385.000	50.72	35.50	39.77	24.95	0.40	1.00	H	345.7	-15.22	38.50	74.00	29.05	54.00
* 4 824.000	45.36	42.66	33.92	31.62	0.40	2.00	H	281.3	-2.70	31.34	74.00	22.38	54.00
7 236.000	44.23	44.47	32.26	32.90	0.40	1.00	H	0.1	0.24	29.53	74.00	21.10	54.00

Note)

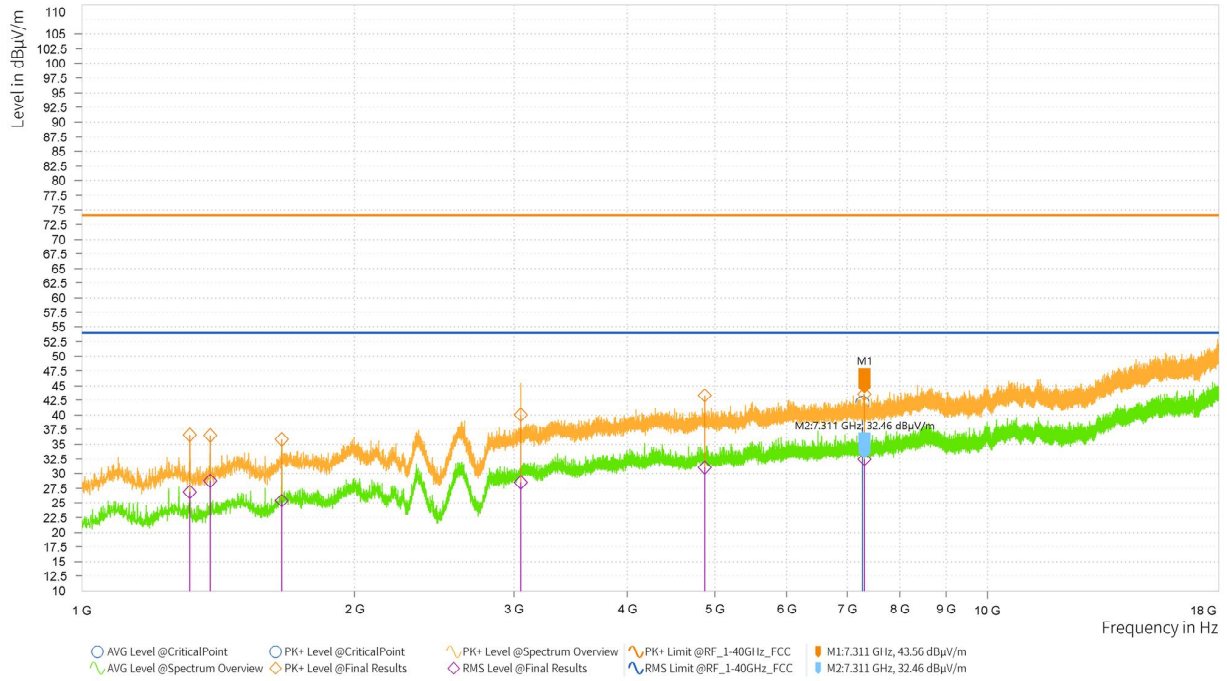
1. Peak Result(dBuV/m) = Peak Reading Value(dBuV) + Correction Factor(dB/m)
2. AVG Result(dBuV/m) = Average Reading Value (dBuV) + Correction Factor(dB/m) + DCCF
3. DCCF(Duty Cycle Correction Factor) = $10 \times \log(1/\text{Duty Cycle})$
4. Correction Factor(dB/m) = Antenna Factor(dB) + Cable Factor(dB) - Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Margin(dB) = (Peak/AVG) Limit (dBuV/m) - (Peak/AVG) Result (dBuV/m)
6. * - indicates frequency in Restricted Band.





KIEL2403-YW03402-R01

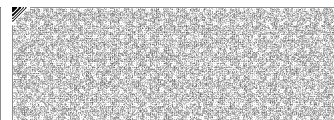
RE(Above 1 GHz) _802.11g_2 437 MHz



Frequency [MHz]	Peak Reading [dBuV]	Peak Result [dBuV/m]	AVG Reading [dBuV]	AVG Result [dBuV/m]	DCCF [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]	Peak Margin [dB]	Peak Limit [dBuV/m]	AVG Margin [dB]	AVG Limit [dBuV/m]
1 316.000	52.29	36.56	42.65	27.32	0.40	1.00	V	360.0	-15.73	37.44	74.00	26.68	54.00
1 385.500	51.69	36.48	43.95	29.14	0.40	1.00	H	217.6	-15.21	37.52	74.00	24.86	54.00
* 1 662.000	49.40	35.83	38.99	25.82	0.40	1.00	H	217.6	-13.57	38.17	74.00	28.18	54.00
3 052.000	47.12	40.06	35.57	28.91	0.40	1.00	H	263.5	-7.06	33.94	74.00	25.09	54.00
* 4 874.000	45.83	43.34	33.49	31.40	0.40	2.00	H	319.3	-2.49	30.66	74.00	22.60	54.00
* 7 311.000	43.46	43.56	32.36	32.86	0.40	2.00	V	13.9	0.10	30.44	74.00	21.14	54.00

Note)

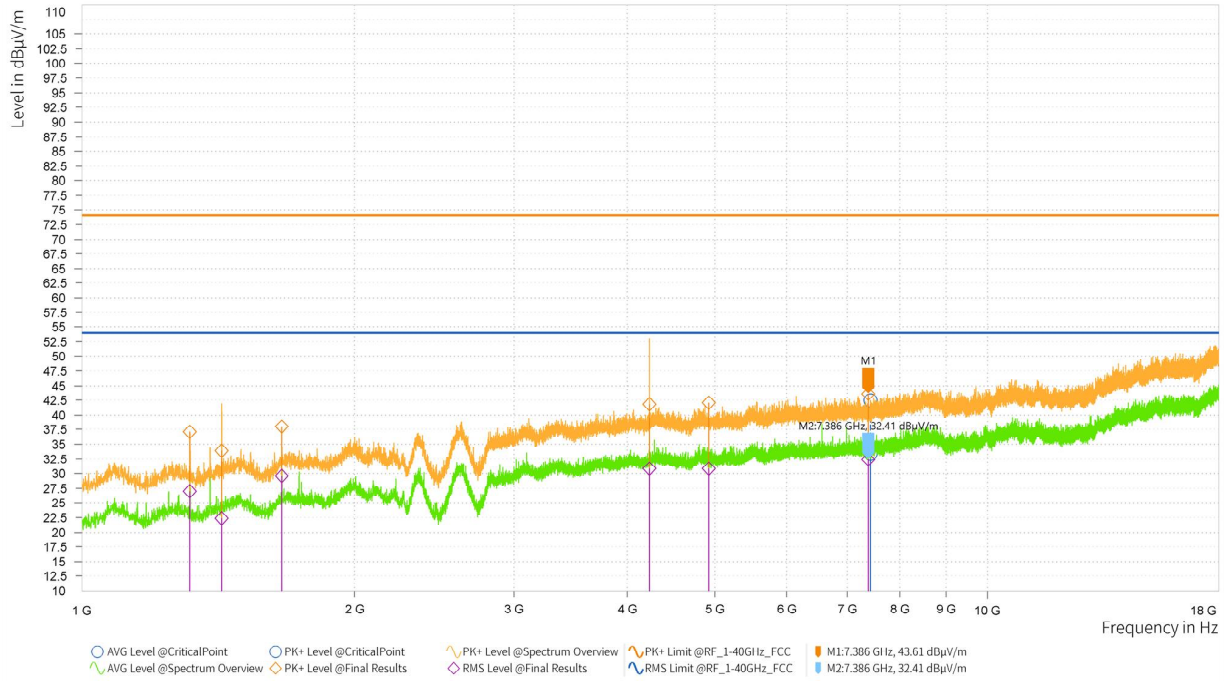
1. Peak Result(dBuV/m) = Peak Reading Value(dBuV) + Correction Factor(dB/m)
2. AVG Result(dBuV/m) = Average Reading Value (dBuV) + Correction Factor(dB/m) + DCCF
3. DCCF(Duty Cycle Correction Factor) = $10 \times \log(1/\text{Duty Cycle})$
4. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Margin(dB) = (Peak/AVG) Limit (dBuV/m) - (Peak/AVG) Result (dBuV/m)
6. * - indicates frequency in Restricted Band.





KIEL2403-YW03402-R01

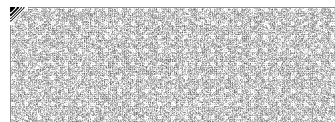
RE(Above 1 GHz) _802.11g_2 462 MHz



Frequency [MHz]	Peak Reading [dBuV]	Peak Result [dBuV/m]	AVG Reading [dBuV]	AVG Result [dBuV/m]	DCCF [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]	Peak Margin [dB]	Peak Limit [dBuV/m]	AVG Margin [dB]	AVG Limit [dBuV/m]
1 316.000	52.83	37.10	42.77	27.44	0.40	1.00	V	30.6	-15.73	36.90	74.00	26.56	54.00
1 426.500	48.80	33.95	37.25	22.80	0.40	2.00	H	296.2	-14.85	40.05	74.00	31.20	54.00
* 1 662.500	51.54	37.97	43.16	29.99	0.40	1.00	H	265.9	-13.57	36.03	74.00	24.01	54.00
* 4 234.000	45.71	41.83	34.71	31.23	0.40	2.00	V	152.4	-3.88	32.17	74.00	22.77	54.00
* 4 924.000	44.44	42.06	33.19	31.21	0.40	1.00	H	188.1	-2.38	31.94	74.00	22.79	54.00
* 7 386.000	43.57	43.61	32.37	32.81	0.40	2.00	V	232.3	0.04	30.39	74.00	21.19	54.00

Note)

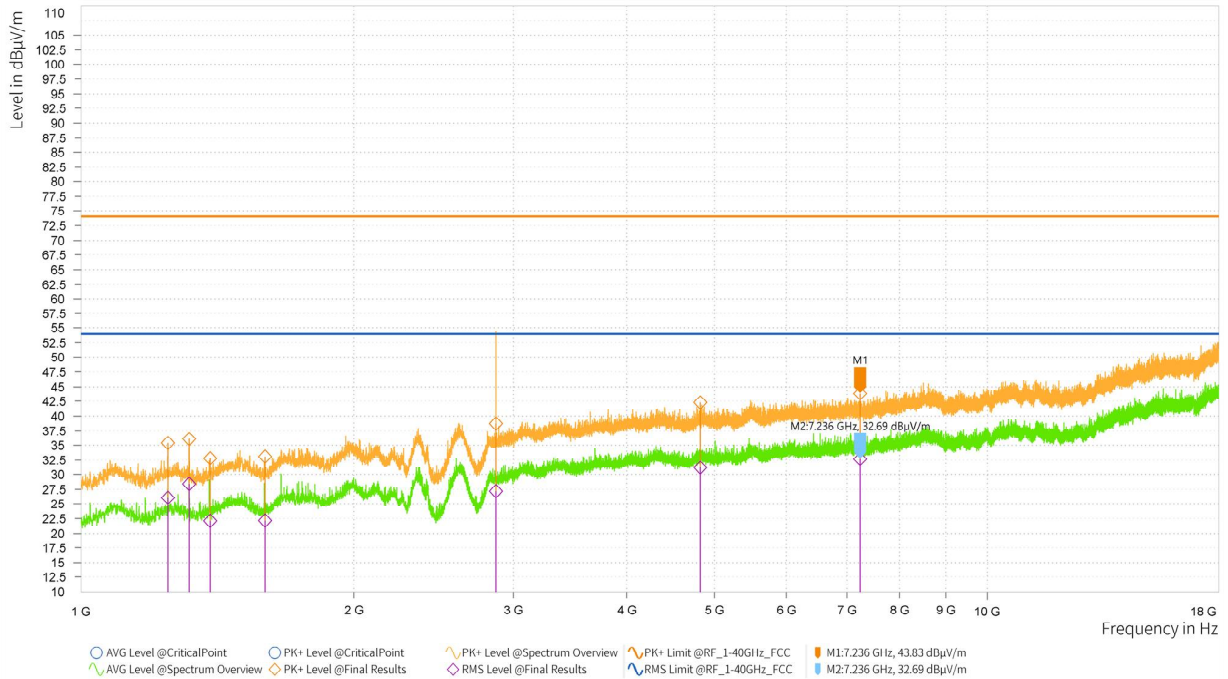
1. Peak Result(dBuV/m) = Peak Reading Value(dBuV) + Correction Factor(dB/m)
2. AVG Result(dBuV/m) = Average Reading Value (dBuV) + Correction Factor(dB/m) + DCCF
3. DCCF(Duty Cycle Correction Factor) = $10 \times \log(1/\text{Duty Cycle})$
4. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Margin(dB) = (Peak/AVG) Limit (dBuV/m) - (Peak/AVG) Result (dBuV/m)
6. * - indicates frequency in Restricted Band.





KIEL2403-YW03402-R01

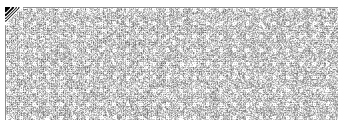
RE(Above 1 GHz) _802.11n(HT20)_2 412 MHz



Frequency [MHz]	Peak Reading [dBuV]	Peak Result [dBuV/m]	AVG Reading [dBuV]	AVG Result [dBuV/m]	DCCF [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]	Peak Margin [dB]	Peak Limit [dBuV/m]	AVG Margin [dB]	AVG Limit [dBuV/m]
1 247.000	51.28	35.42	41.94	26.52	0.44	1.00	H	40.2	-15.86	38.58	74.00	27.48	54.00
1 316.500	51.80	36.08	44.12	28.84	0.44	2.00	H	110.9	-15.72	37.92	74.00	25.16	54.00
1 389.000	47.98	32.79	37.31	22.56	0.44	1.00	V	180.3	-15.19	41.21	74.00	31.44	54.00
* 1 596.500	47.08	33.10	36.15	22.61	0.44	1.00	H	193.0	-13.98	40.90	74.00	31.39	54.00
* 2 869.500	47.73	38.75	36.18	27.64	0.44	2.00	V	140.0	-8.98	35.25	74.00	26.36	54.00
* 4 824.000	45.02	42.32	33.89	31.63	0.44	3.00	H	82.2	-2.70	31.68	74.00	22.37	54.00
7 236.000	43.59	43.83	32.45	34.13	1.44	1.00	V	305.8	0.24	30.17	74.00	19.87	54.00

Note)

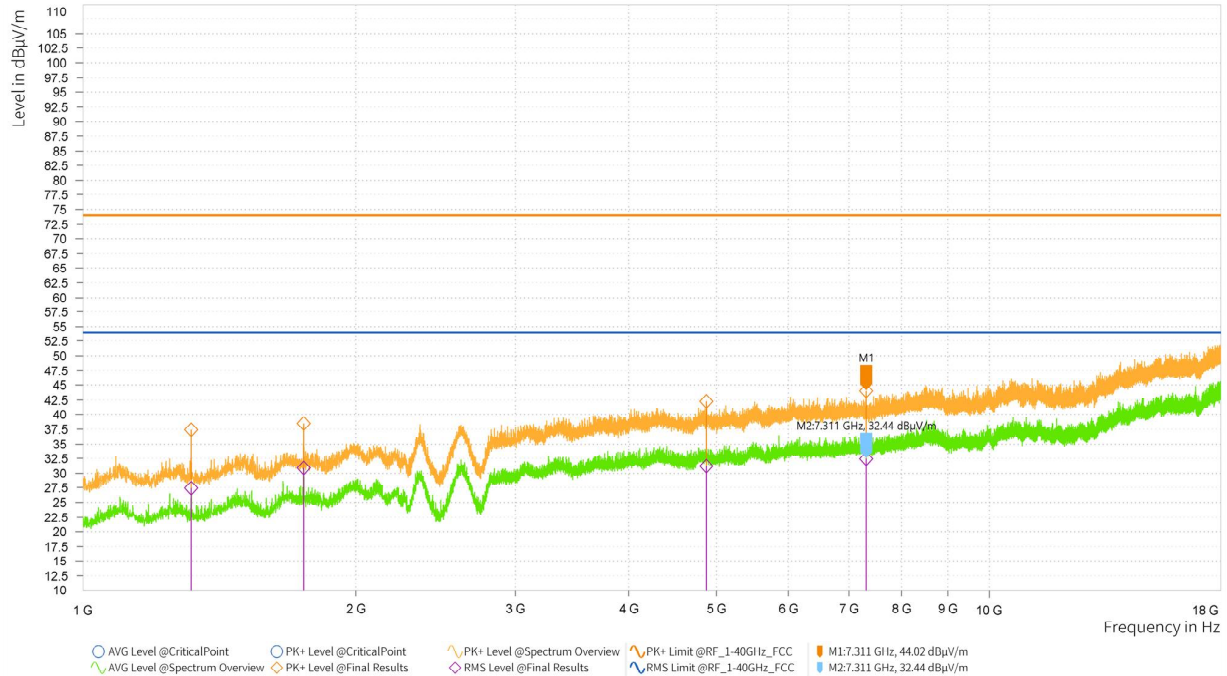
1. Peak Result(dBuV/m) = Peak Reading Value(dBuV) + Correction Factor(dB/m)
2. AVG Result(dBuV/m) = Average Reading Value (dBuV) + Correction Factor(dB/m) + DCCF
3. DCCF(Duty Cycle Correction Factor) = $10 \times \log(1/\text{Duty Cycle})$
4. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Margin(dB) = (Peak/AVG) Limit (dBuV/m) - (Peak/AVG) Result (dBuV/m)
6. * - indicates frequency in Restricted Band.





KIEL2403-YW03402-R01

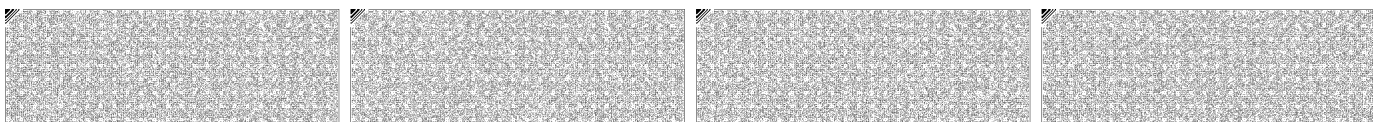
RE(Above 1 GHz) _802.11n(HT20)_2 437 MHz



Frequency [MHz]	Peak Reading [dBuV]	Peak Result [dBuV/m]	AVG Reading [dBuV]	AVG Result [dBuV/m]	DCCF [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]	Peak Margin [dB]	Peak Limit [dBuV/m]	AVG Margin [dB]	AVG Limit [dBuV/m]
1 316.500	53.15	37.43	43.13	27.85	0.44	2.00	V	10.2	-15.72	36.57	74.00	26.15	54.00
1 752.000	51.77	38.45	44.25	31.37	0.44	2.00	V	319.2	-13.32	35.55	74.00	22.63	54.00
* 4 874.000	44.80	42.31	33.70	31.65	0.44	3.00	H	360.0	-2.49	31.69	74.00	22.35	54.00
* 7 311.000	43.92	44.02	32.34	32.88	0.44	2.00	V	221.5	0.10	29.98	74.00	21.12	54.00

Note)

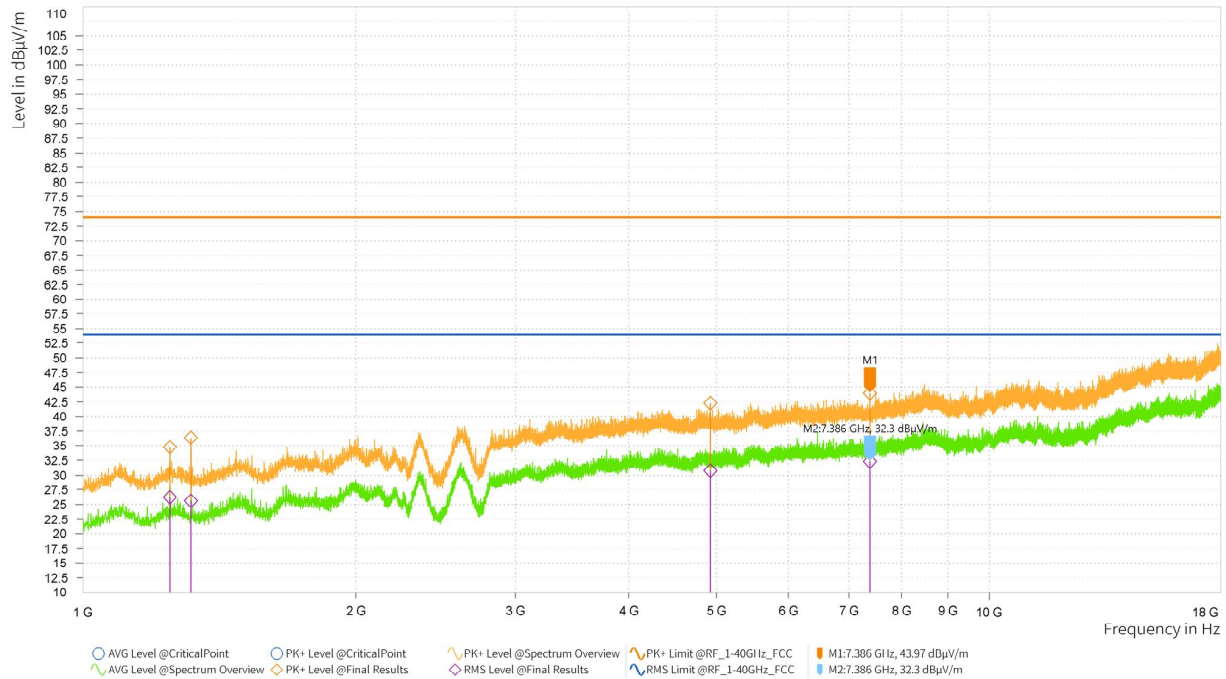
1. Peak Result(dBuV/m) = Peak Reading Value(dBuV) + Correction Factor(dB/m)
2. AVG Result(dBuV/m) = Average Reading Value (dBuV) + Correction Factor(dB/m) + DCCF
3. DCCF(Duty Cycle Correction Factor) = $10 \times \log(1/\text{Duty Cycle})$
4. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Margin(dB) = (Peak/AVG) Limit (dBuV/m) - (Peak/AVG) Result (dBuV/m)
6. * - indicates frequency in Restricted Band.





KIEL2403-YW03402-R01

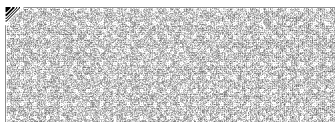
RE(Above 1 GHz) _802.11n(HT20)_2 462 MHz



Frequency [MHz]	Peak Reading [dBuV]	Peak Result [dBuV/m]	AVG Reading [dBuV]	AVG Result [dBuV/m]	DCCF [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]	Peak Margin [dB]	Peak Limit [dBuV/m]	AVG Margin [dB]	AVG Limit [dBuV/m]
1 247.000	50.63	34.77	42.06	26.64	0.44	3.00	H	68.5	-15.86	39.23	74.00	27.36	54.00
1 316.000	52.13	36.40	41.33	26.04	0.44	2.00	V	1.3	-15.73	37.60	74.00	27.96	54.00
* 4 924.000	44.72	42.34	33.15	31.21	0.44	3.00	H	236.1	-2.38	31.66	74.00	22.79	54.00
* 7 386.000	43.93	43.97	32.26	32.74	0.44	3.00	V	359.9	0.04	30.03	74.00	21.26	54.00

Note)

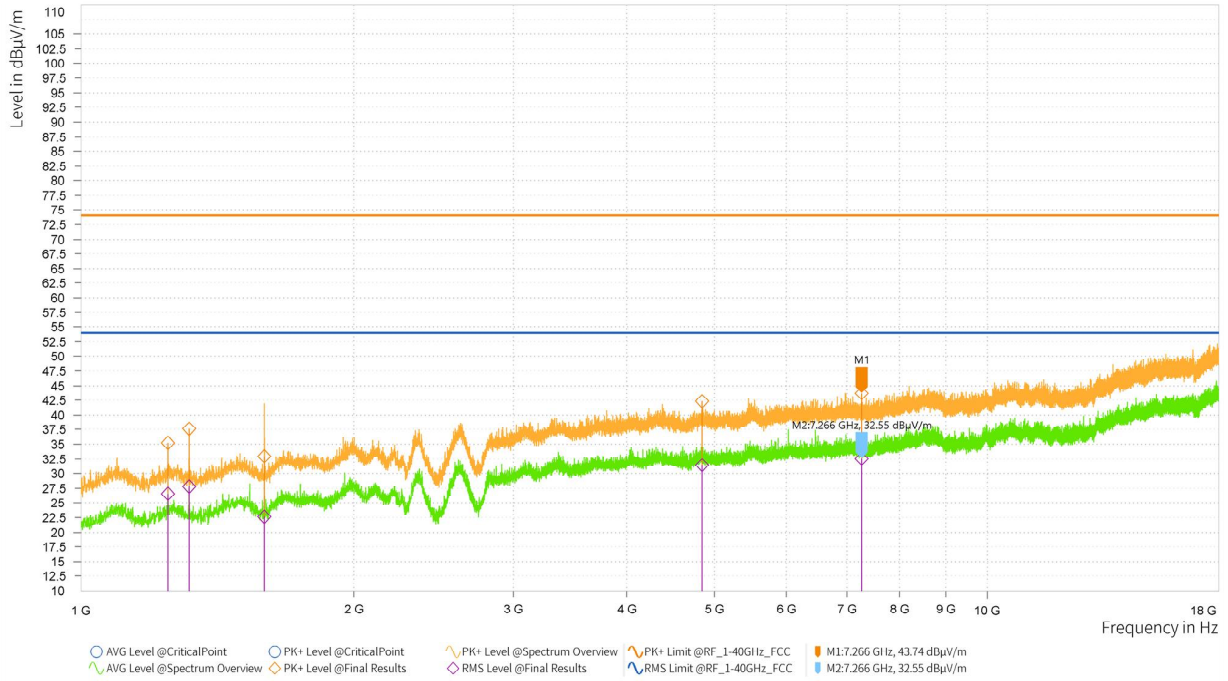
1. Peak Result(dBuV/m) = Peak Reading Value(dBuV) + Correction Factor(dB/m)
2. AVG Result(dBuV/m) = Average Reading Value (dBuV) + Correction Factor(dB/m) + DCCF
3. DCCF(Duty Cycle Correction Factor) = $10 \times \log(1/\text{Duty Cycle})$
4. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Margin(dB) = (Peak/AVG) Limit (dBuV/m) - (Peak/AVG) Result (dBuV/m)
6. * - indicates frequency in Restricted Band.





KIEL2403-YW03402-R01

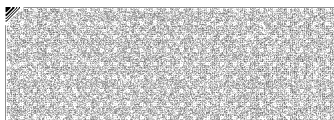
RE(Above 1 GHz) _802.11n(HT40)_2 422 MHz



Frequency [MHz]	Peak Reading [dBuV]	Peak Result [dBuV/m]	AVG Reading [dBuV]	AVG Result [dBuV/m]	DCCF [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]	Peak Margin [dB]	Peak Limit [dBuV/m]	AVG Margin [dB]	AVG Limit [dBuV/m]
1 247.500	51.08	35.22	42.45	27.52	0.93	2.00	H	164.6	-15.86	38.78	74.00	26.48	54.00
1 316.500	53.30	37.58	43.55	28.76	0.93	2.00	V	148.0	-15.72	36.42	74.00	25.24	54.00
* 1 593.500	46.97	32.99	36.60	23.55	0.93	3.00	H	134.2	-13.98	41.01	74.00	30.45	54.00
* 4 844.000	44.93	42.33	34.04	32.37	0.93	3.00	V	360.0	-2.60	31.67	74.00	21.63	54.00
* 7 266.000	43.55	43.74	32.36	33.48	0.93	3.00	H	176.3	0.19	30.26	74.00	20.52	54.00

Note)

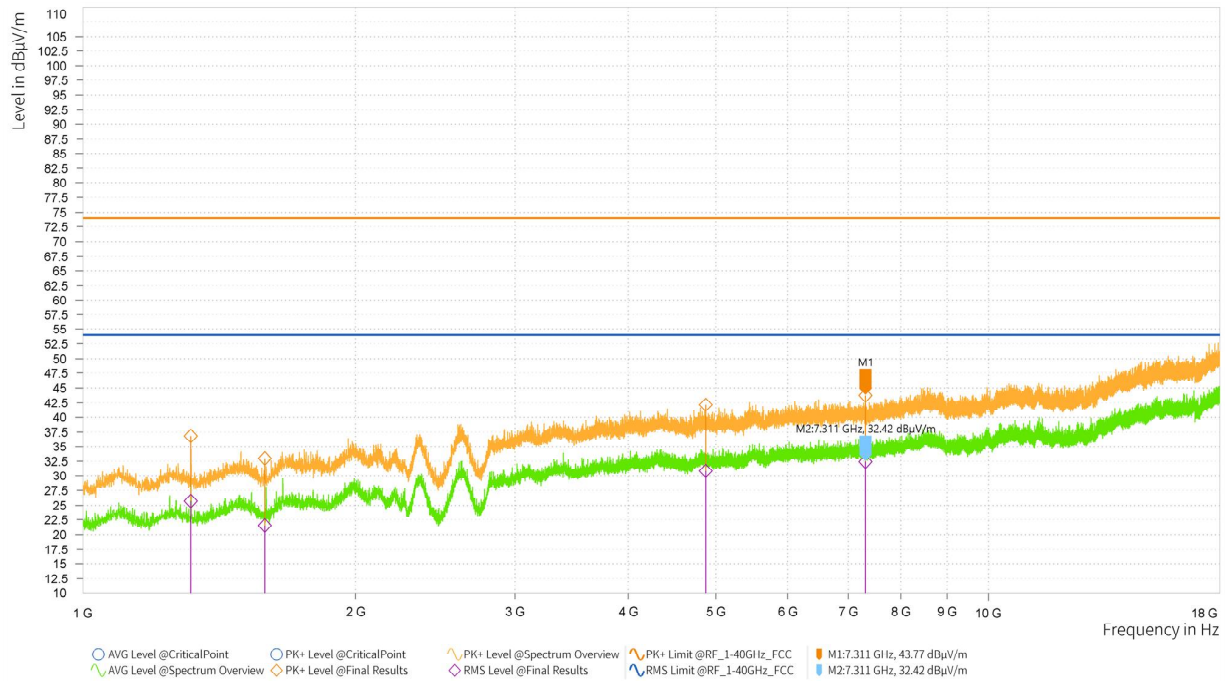
1. Peak Result(dBuV/m) = Peak Reading Value(dBuV) + Correction Factor(dB/m)
2. AVG Result(dBuV/m) = Average Reading Value (dBuV) + Correction Factor(dB/m) + DCCF
3. DCCF(Duty Cycle Correction Factor) = $10 \times \log(1/\text{Duty Cycle})$
4. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) - Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Margin(dB) = (Peak/AVG) Limit (dBuV/m) - (Peak/AVG) Result (dBuV/m)
6. * - indicates frequency in Restricted Band.





KIEL2403-YW03402-R01

RE(Above 1 GHz) _802.11n(HT40)_2 437 MHz



Frequency [MHz]	Peak Reading [dBuV]	Peak Result [dBuV/m]	AVG Reading [dBuV]	AVG Result [dBuV/m]	DCCF [dB]	Height [cm]	Pol	Azimuth [deg]	Corr. [dB/m]	Peak Margin [dB]	Peak Limit [dBuV/m]	AVG Margin [dB]	AVG Limit [dBuV/m]
1 316.000	52.59	36.86	41.46	26.66	0.93	2.00	V	0.1	-15.73	37.14	74.00	27.34	54.00
* 1 588.000	46.98	32.99	35.49	22.43	0.93	2.00	V	191.9	-13.99	41.01	74.00	31.57	54.00
* 4 874.000	44.68	42.19	33.35	31.79	0.93	2.00	V	106.2	-2.49	31.81	74.00	22.21	54.00
* 7 311.000	43.67	43.77	32.32	33.35	0.93	2.00	V	263.9	0.10	30.23	74.00	20.65	54.00

Note)

1. Peak Result(dBuV/m) = Peak Reading Value(dBuV) + Correction Factor(dB/m)
2. AVG Result(dBuV/m) = Average Reading Value (dBuV) + Correction Factor(dB/m) + DCCF
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Margin(dB) = (Peak/AVG) Limit (dBuV/m) – (Peak/AVG) Result (dBuV/m)
6. * - indicates frequency in Restricted Band.

