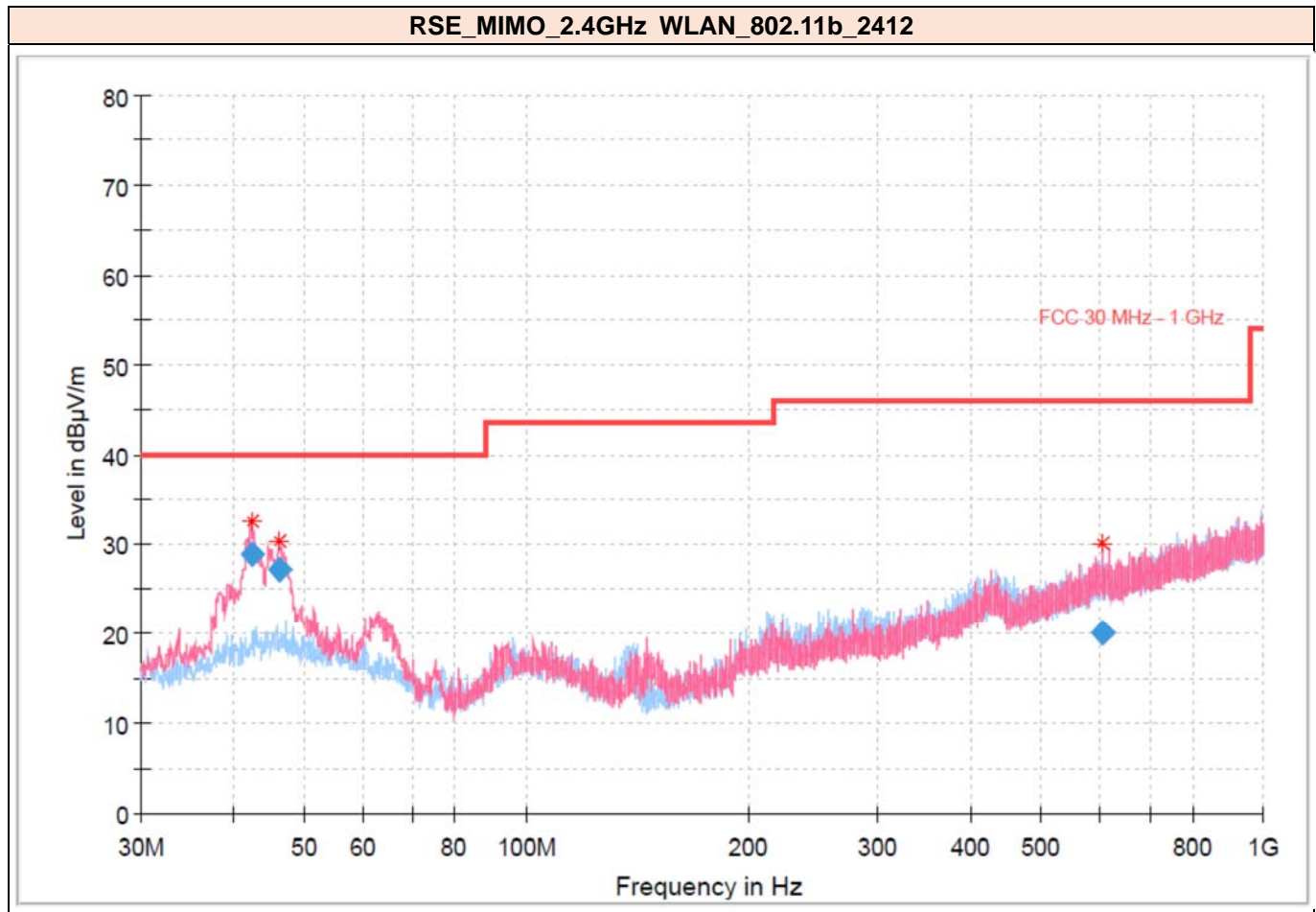


### 3.5.5.2 Radiated Emissions (Below 1 GHz)

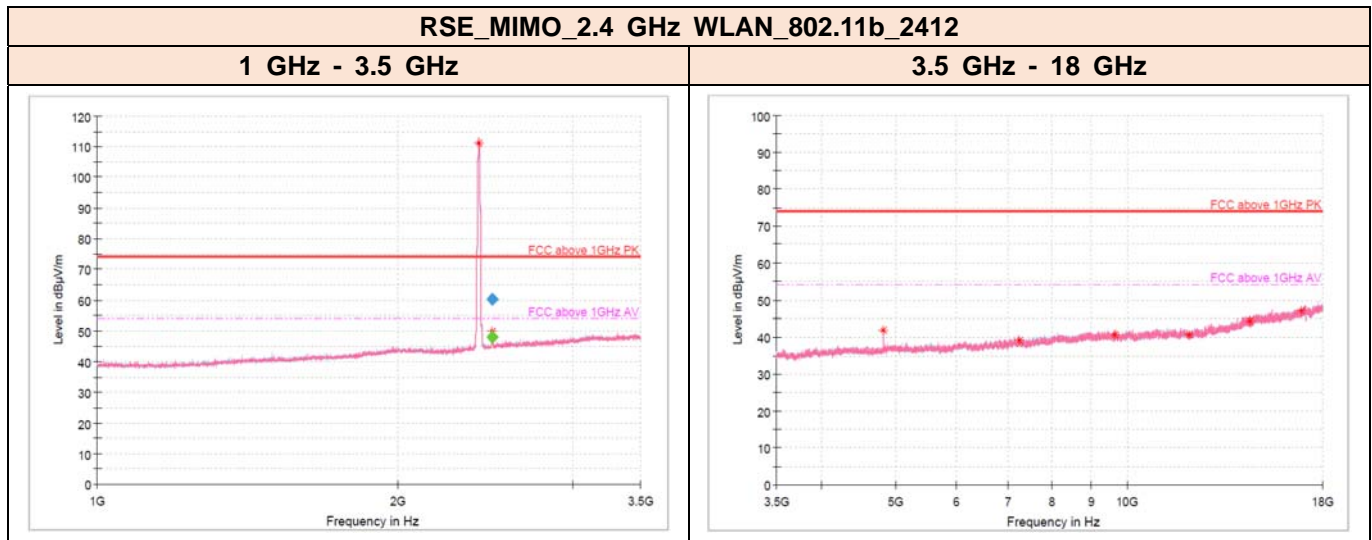


Frequency [MHz]	Peak Reading Value [dBuV/m]	Peak [dBuV/m]	Quasi Reading Value [dBuV/m]	Quasi Peak [dBuV/m]	Limit [dBuV/m]	Margin [dB]	Height [cm]	Pol	Azimuth [deg]	Correction Factor [dB]
42.34	49.16	28.86	-	-	40.00	11.14	100	V	47	-20.30
46.17	46.99	27.09	-	-	40.00	12.91	100	V	226	-19.90
604.73	32.67	20.17	-	-	46.00	25.83	100	V	309	-12.50

**Remarks**

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

### 3.5.5.3 Radiated Emissions (Above 1 GHz)



Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
4823.85	64.65	41.95	-	-	-	1 000	300	V	165	-22.70	32.05	74.00	-	-
7236.17	58.23	39.03	-	-	-	1 000	300	H	0	-19.20	34.97	74.00	-	-
9648.00	56.76	40.66	-	-	-	1 000	200	V	153	-16.10	33.34	74.00	-	-
12060.32	54.45	40.65	-	-	-	1 000	300	H	199	-13.80	33.35	74.00	-	-
14472.15	56.51	44.41	-	-	-	1 000	300	H	0	-12.10	29.59	74.00	-	-
16884.47	55.31	47.01	-	-	-	1 000	100	H	123	-8.30	26.99	74.00	-	-

**Remarks**

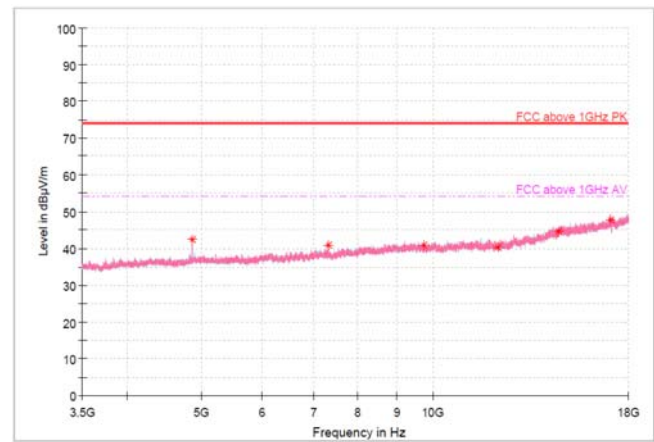
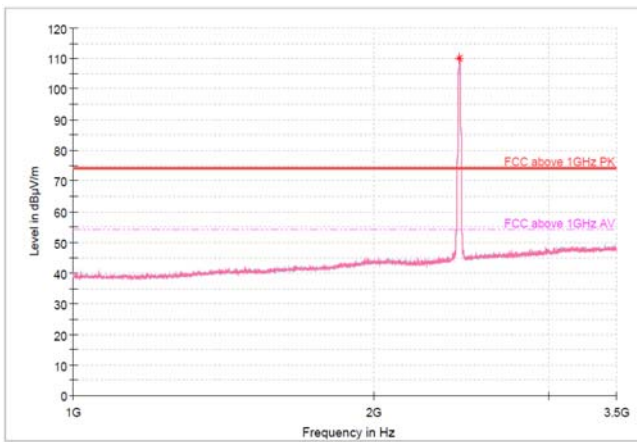
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) = 20 x Log(3/4.5) [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)



**RSE\_MIMO\_2.4 GHz WLAN\_802.11b\_2437**

**1 GHz - 3.5 GHz**

**3.5 GHz - 18 GHz**



Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
4873.63	64.96	42.46	-	-	-	1 000	300	V	137	-22.50	31.54	74.00	-	-
7312.05	60.13	40.83	-	-	-	1 000	300	V	170	-19.30	33.17	74.00	-	-
9748.05	57.08	41.08	-	-	-	1 000	200	V	0	-16.00	32.92	74.00	-	-
12185.02	54.48	40.48	-	-	-	1 000	300	V	170	-14.00	33.52	74.00	-	-
14622.47	56.20	44.70	-	-	-	1 000	100	V	193	-11.50	29.30	74.00	-	-
17058.95	55.97	47.67	-	-	-	1 000	300	V	170	-8.30	26.33	74.00	-	-

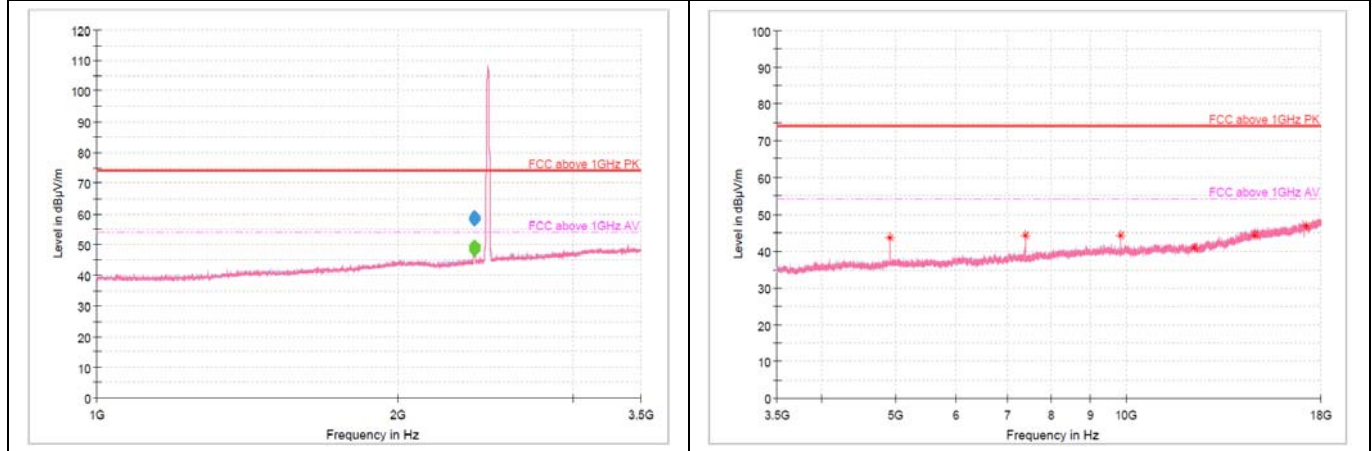
**Remarks**

1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) = 20 x Log(3/4.5) [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)



**RSE\_MIMO\_2.4 GHz WLAN\_802.11b\_2462**

**1 GHz - 3.5 GHz** **3.5 GHz - 18 GHz**



Frequency [MHz]	Peak Reading Value [dBuV/m]	Peak Result [dBuV/m]	AVG Reading Value [dBuV/m]	AVG Result [dBuV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBuV/m]	AVG Margin [dB]	AVG Limit [dBuV/m]
4 923.90	66.28	43.88	-	-	-	1 000	300	V	137	-22.40	30.12	74.00	-	-
7 386.97	63.79	44.49	-	-	-	1 000	278	V	269	-19.30	29.51	74.00	-	-
9 848.10	60.05	44.35	-	-	-	1 000	200	V	3	-15.70	29.65	74.00	-	-
12 310.68	55.26	41.06	-	-	-	1 000	300	V	314	-14.20	32.94	74.00	-	-
14 772.30	55.32	44.42	-	-	-	1 000	300	H	150	-10.90	29.58	74.00	-	-
17 234.40	55.07	46.87	-	-	-	1 000	400	H	165	-8.20	27.13	74.00	-	-

**Remarks**

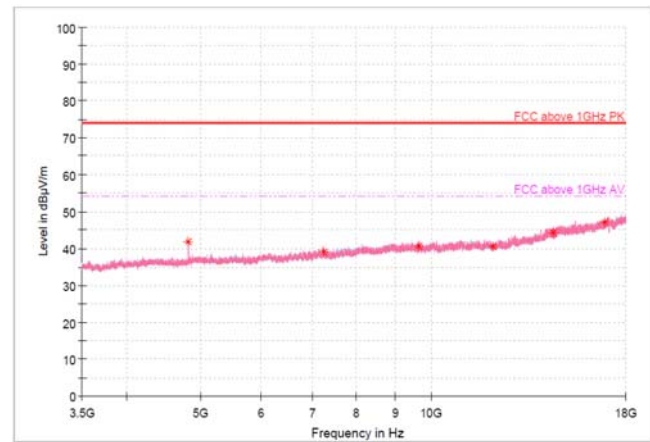
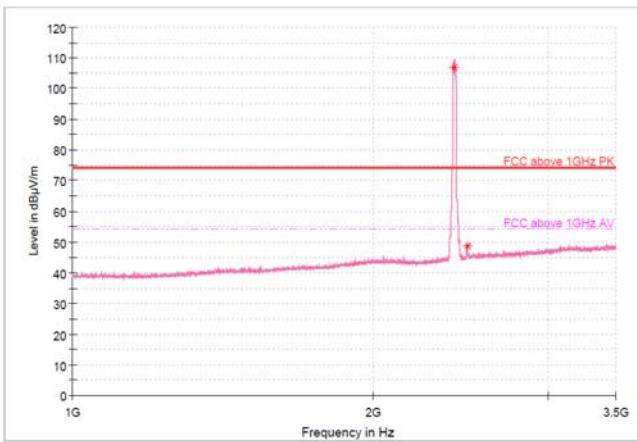
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) = 20 x Log(3/4.5) [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)



**RSE\_MIMO\_2.4 GHz WLAN\_802.11g\_2412**

**1 GHz - 3.5 GHz**

**3.5 GHz - 18 GHz**



Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
4824.33	58.42	35.72	-	-	-	1000	100	H	184	-22.70	38.28	74.00	-	-
7236.17	58.71	39.51	-	-	-	1000	100	V	105	-19.20	34.49	74.00	-	-
9648.00	55.85	39.75	-	-	-	1000	100	H	158	-16.10	34.25	74.00	-	-
12060.32	55.11	41.31	-	-	-	1000	400	V	27	-13.80	32.69	74.00	-	-
14472.15	55.56	43.46	-	-	-	1000	100	V	331	-12.10	30.54	74.00	-	-
16884.47	53.35	45.05	-	-	-	1000	200	V	348	-8.30	28.95	74.00	-	-

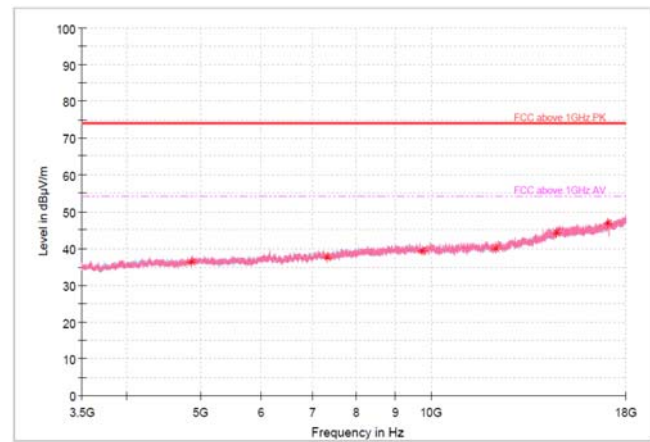
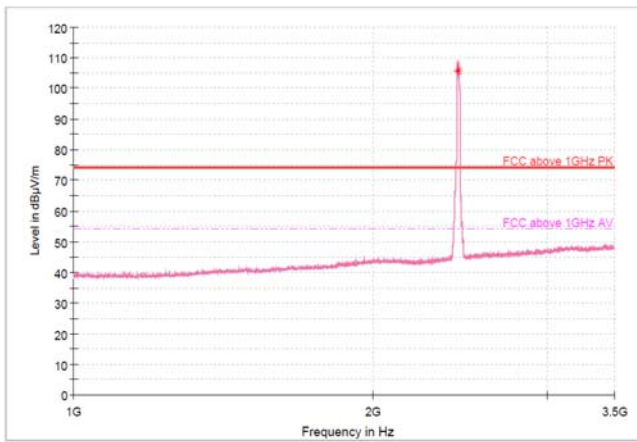
**Remarks**

1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) = 20 x Log(3/4.5) [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)

**RSE\_MIMO\_2.4 GHz WLAN\_802.11g\_2437**

**1 GHz - 3.5 GHz**

**3.5 GHz - 18 GHz**



Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
4874.12	58.80	36.40	-	-	-	1 000	200	V	0	-22.40	37.60	74.00	-	-
7311.08	57.01	37.71	-	-	-	1 000	300	H	339	-19.30	36.29	74.00	-	-
9748.05	55.32	39.32	-	-	-	1 000	100	H	263	-16.00	34.68	74.00	-	-
12185.02	54.18	40.18	-	-	-	1 000	400	V	351	-14.00	33.82	74.00	-	-
14622.47	55.84	44.34	-	-	-	1 000	400	V	99	-11.50	29.66	74.00	-	-
17059.43	55.07	46.77	-	-	-	1 000	200	V	181	-8.30	27.23	74.00	-	-

**Remarks**

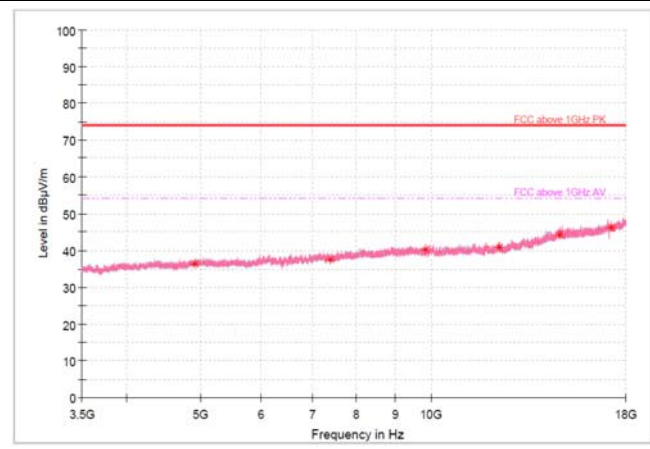
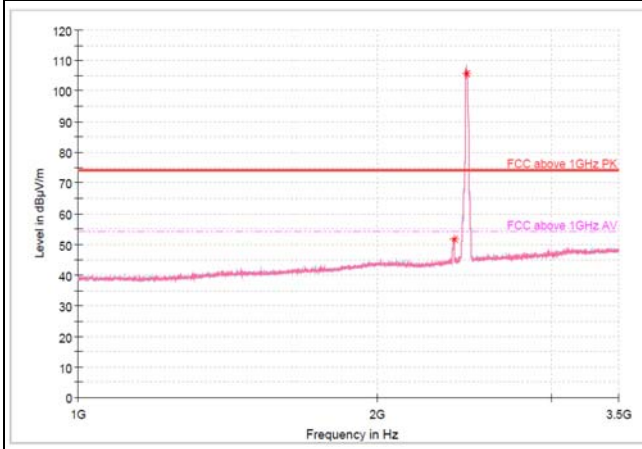
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) = 20 x Log(3/4.5) [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)



**RSE\_MIMO\_2.4 GHz WLAN\_802.11g\_2462**

**1 GHz - 3.5 GHz**

**3.5 GHz - 18 GHz**



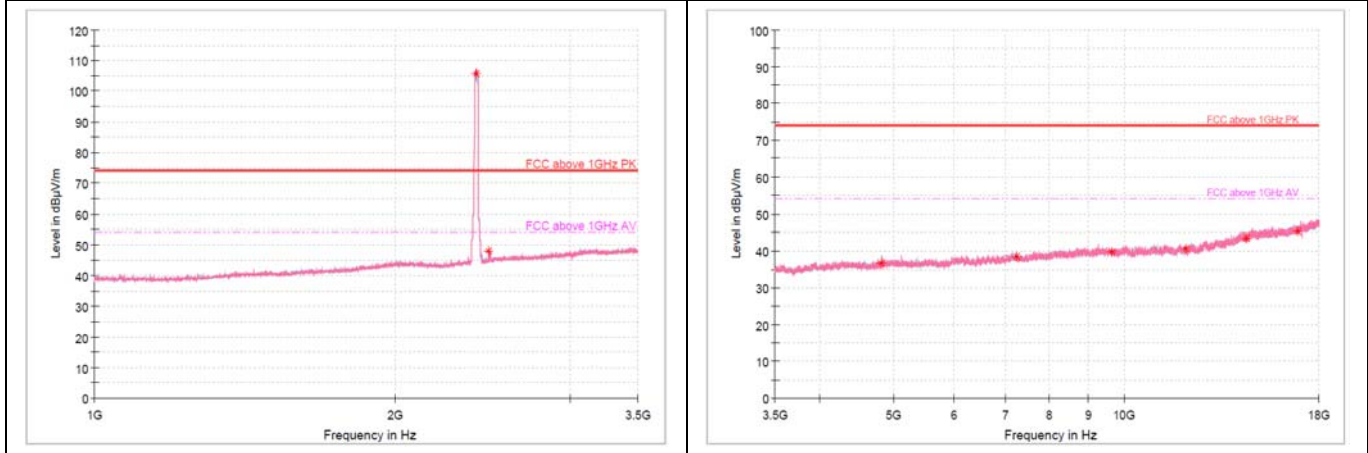
Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
2 392.50	42.73	51.83	-	-	-	1 000	202	H	208	9.10	22.17	74.00	-	-
4 924.38	58.82	36.42	-	-	-	1 000	400	H	95	-22.40	37.58	74.00	-	-
7 386.00	56.94	37.64	-	-	-	1 000	300	H	141	-19.30	36.36	74.00	-	-
9 848.10	56.04	40.34	-	-	-	1 000	400	V	7	-15.70	33.66	74.00	-	-
12 310.20	55.03	40.83	-	-	-	1 000	100	H	103	-14.20	33.17	74.00	-	-
14 772.30	55.29	44.39	-	-	-	1 000	200	H	135	-10.90	29.61	74.00	-	-
17 234.40	54.45	46.25	-	-	-	1 000	300	V	128	-8.20	27.75	74.00	-	-

**Remarks**

1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) = 20 x Log(3/4.5) [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)

**RSE\_MIMO\_2.4 GHz WLAN\_802.11n(HT20)\_2412**

<b>1 GHz - 3.5 GHz</b>	<b>3.5 GHz - 18 GHz</b>
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Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
4 820.95	59.48	36.78	-	-	-	1 000	200	H	195	-22.70	37.22	74.00	-	-
7 236.17	57.67	38.47	-	-	-	1 000	100	V	61	-19.20	35.53	74.00	-	-
9 648.00	55.88	39.78	-	-	-	1 000	300	V	151	-16.10	34.22	74.00	-	-
12 060.32	54.51	40.71	-	-	-	1 000	200	V	1	-13.80	33.29	74.00	-	-
14 472.63	55.55	43.45	-	-	-	1 000	300	H	263	-12.10	30.55	74.00	-	-
16 884.47	53.68	45.38	-	-	-	1 000	300	V	276	-8.30	28.62	74.00	-	-

**Remarks**

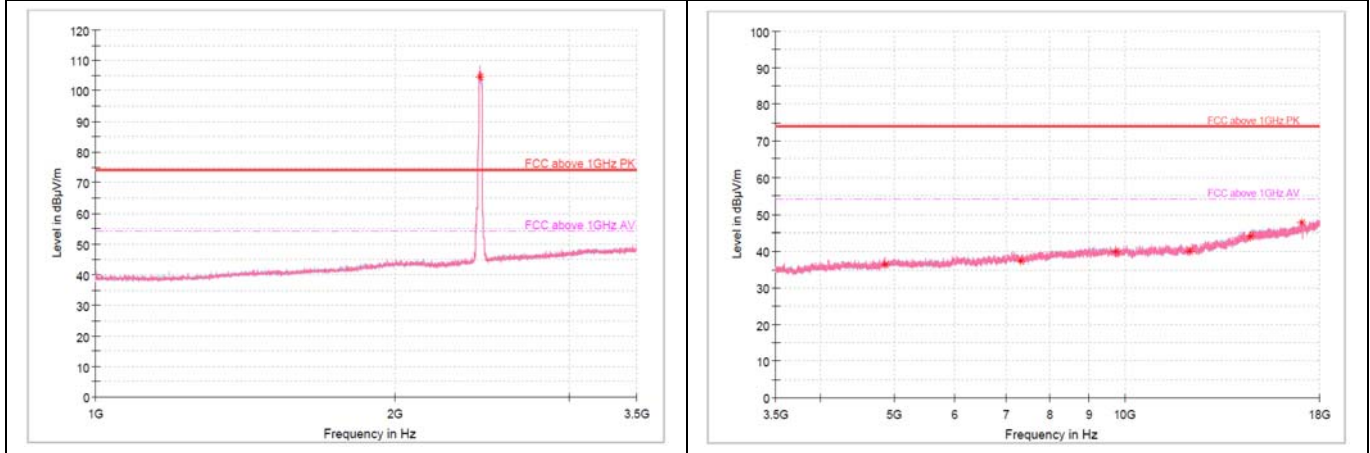
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) = 20 x Log(3/4.5) [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)





**RSE\_MIMO\_2.4 GHz WLAN\_802.11n(HT20)\_2437**

<b>1 GHz - 3.5 GHz</b>	<b>3.5 GHz - 18 GHz</b>
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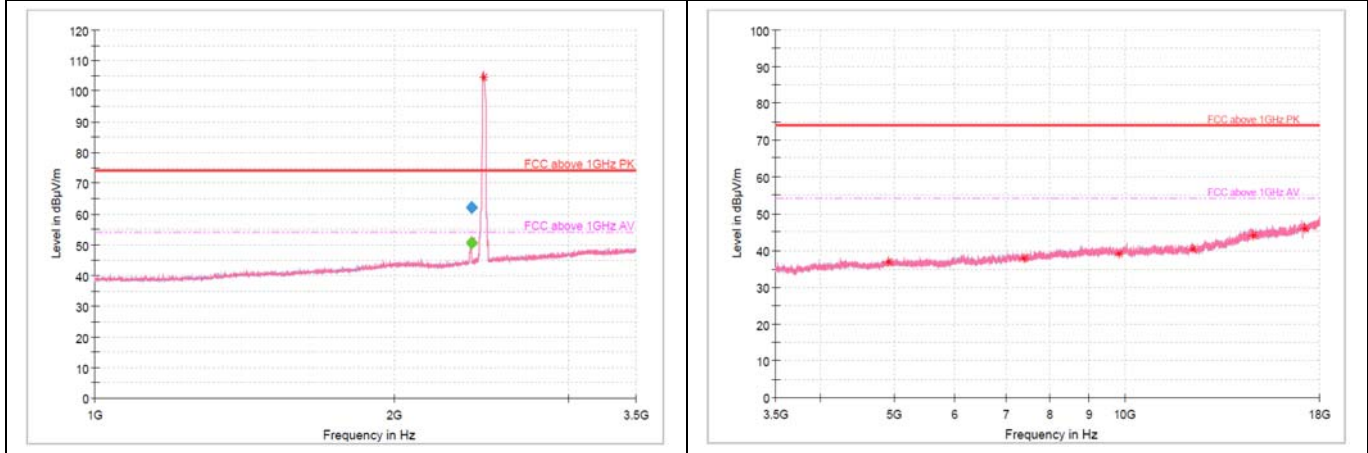
Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
4874.12	58.85	36.45	-	-	-	1 000	200	H	172	-22.40	37.55	74.00	-	-
7311.08	56.76	37.46	-	-	-	1 000	200	H	130	-19.30	36.54	74.00	-	-
9748.05	56.01	40.01	-	-	-	1 000	200	H	214	-16.00	33.99	74.00	-	-
12185.02	54.15	40.15	-	-	-	1 000	300	H	112	-14.00	33.85	74.00	-	-
14622.47	55.46	43.96	-	-	-	1 000	200	V	0	-11.50	30.04	74.00	-	-
17059.43	55.91	47.61	-	-	-	1 000	400	H	196	-8.30	26.39	74.00	-	-

**Remarks**

1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) = 20 x Log(3/4.5) [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)

**RSE\_MIMO\_2.4 GHz WLAN\_802.11n(HT20)\_2462**

<b>1 GHz - 3.5 GHz</b>	<b>3.5 GHz - 18 GHz</b>
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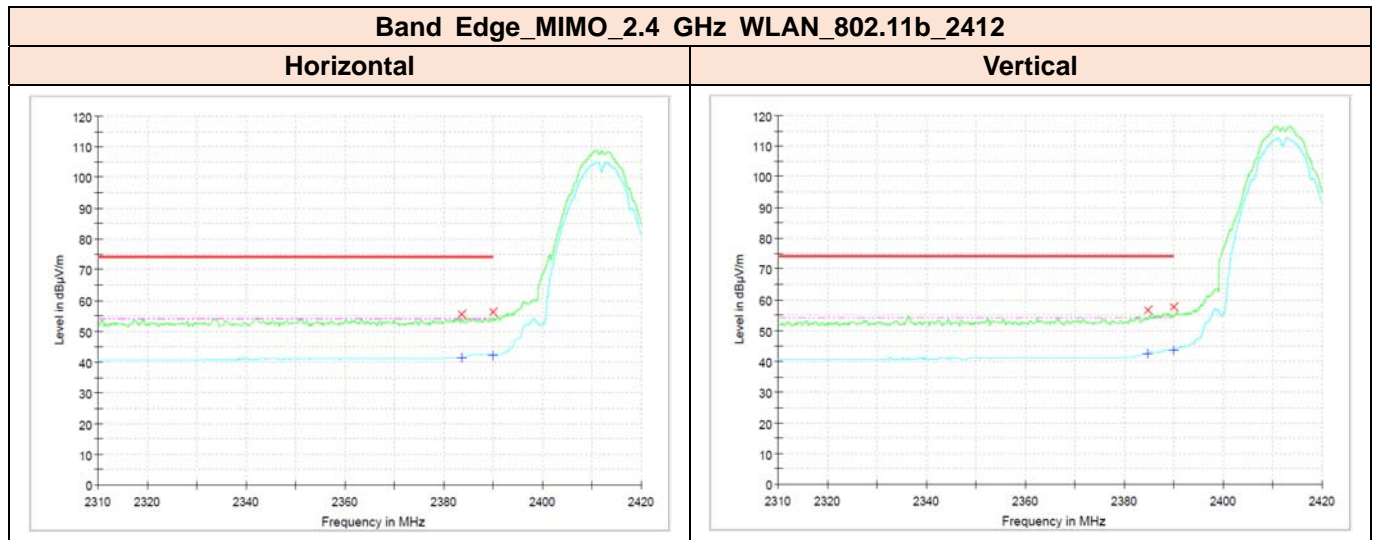
Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
2 393.00	-	-	41.51	50.61	-	1 000	410	V	168	9.10	-	-	3.39	54.00
2 393.00	53.07	62.17	-	-	-	1 000	410	V	168	9.10	11.83	74.00	-	-
4 924.38	59.36	36.96	-	-	-	1 000	200	H	350	-22.40	37.04	74.00	-	-
7 386.00	57.30	38.00	-	-	-	1 000	100	H	306	-19.30	36.00	74.00	-	-
9 848.58	54.73	39.03	-	-	-	1 000	400	H	359	-15.70	34.97	74.00	-	-
12 310.20	54.59	40.39	-	-	-	1 000	200	V	0	-14.20	33.61	74.00	-	-
14 772.30	55.03	44.13	-	-	-	1 000	300	H	86	-10.90	29.87	74.00	-	-
17 234.40	54.11	45.91	-	-	-	1 000	400	H	113	-8.20	28.09	74.00	-	-

**Remarks**

1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) = 20 x Log(3/4.5) [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)



### 3.5.5.4 Restricted Band Edge Measurements



Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
2 383.60	46.20	55.30	32.30	41.40		1 000	183	H	183	9.10	18.70	74.00	12.70	54.00
2 390.00	47.10	56.20	33.20	42.30		1 000	190	H	183	9.10	17.90	74.00	11.70	54.00
2 384.80	47.50	56.60	33.30	42.40		1 000	380	V	185	9.10	17.40	74.00	11.60	54.00
2 390.00	48.60	57.70	34.70	43.80		1 000	394	V	182	9.10	16.40	74.00	10.20	54.00

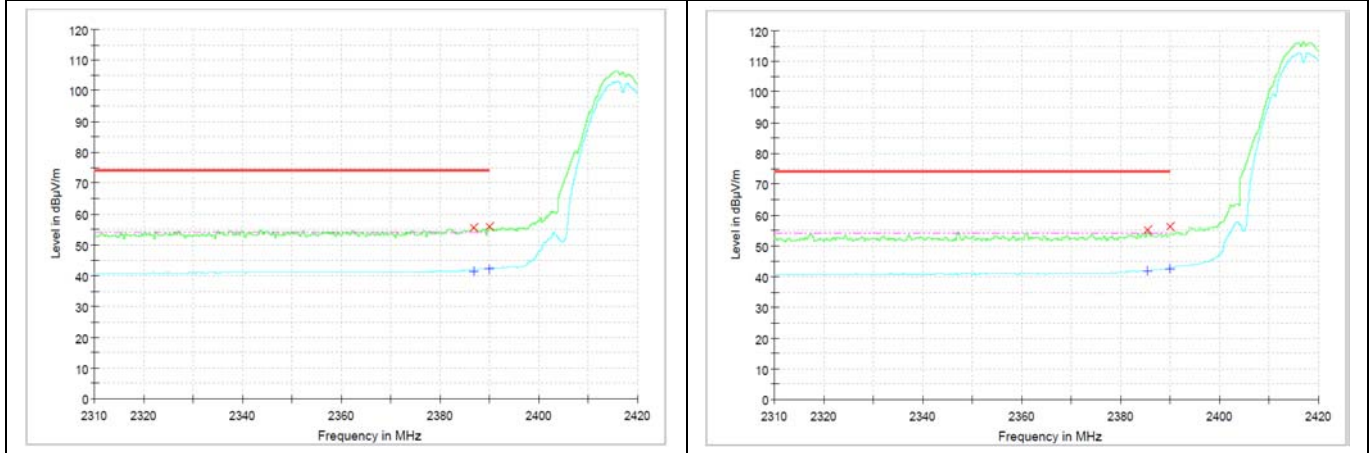
**Remarks**

1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) = 20 x Log(3/4.5) [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)



**Band Edge\_MIMO\_2.4 GHz WLAN\_802.11b\_2417**

<b>Horizontal</b>	<b>Vertical</b>
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Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
2 386.80	46.50	55.60	32.40	41.50		1 000	226	H	183	9.10	18.40	74.00	12.50	54.00
2 390.00	46.60	55.70	33.20	42.30		1 000	125	H	183	9.10	18.30	74.00	11.70	54.00
2 385.38	46.10	55.20	32.60	41.70		1 000	397	V	183	9.10	18.80	74.00	12.30	54.00
2 390.00	47.20	56.30	33.60	42.70		1 000	398	V	181	9.10	17.70	74.00	11.30	54.00

**Remarks**

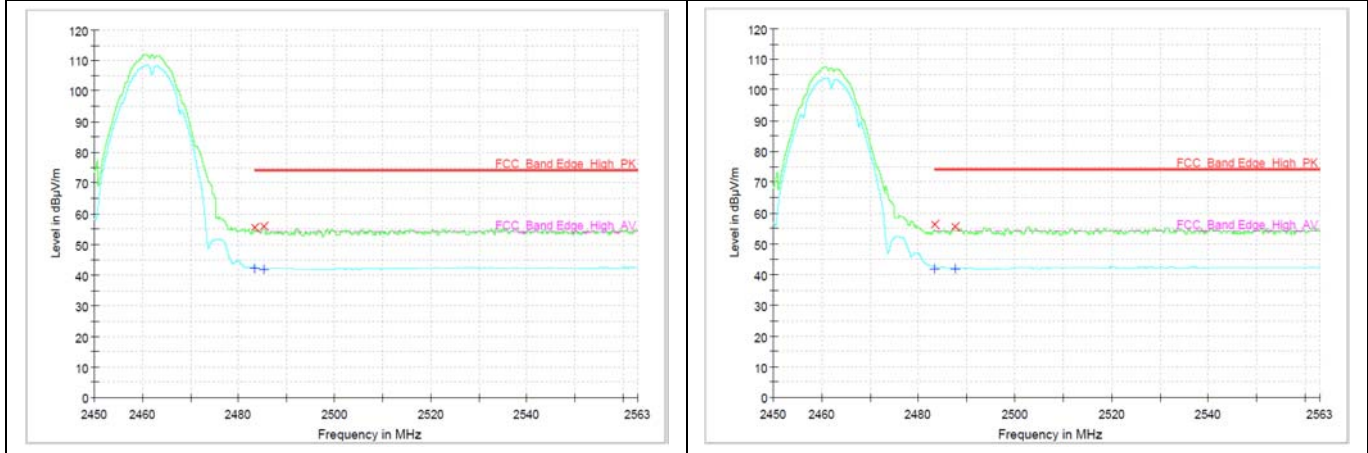
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) = 20 x Log(3/4.5) [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)





**Band Edge\_MIMO\_2.4 GHz WLAN\_802.11b\_2462**

<b>Horizontal</b>	<b>Vertical</b>
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Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
2483.50	45.90	55.60	32.50	42.20		1000	151	H	186	9.70	18.40	74.00	11.80	54.00
2485.22	46.10	55.80	32.30	42.00		1000	150	H	188	9.70	18.20	74.00	12.10	54.00
2483.50	46.40	56.10	32.30	42.00		1000	168	V	182	9.70	17.90	74.00	12.00	54.00
2487.50	45.50	55.20	32.00	41.70		1000	197	V	186	9.70	18.80	74.00	12.30	54.00

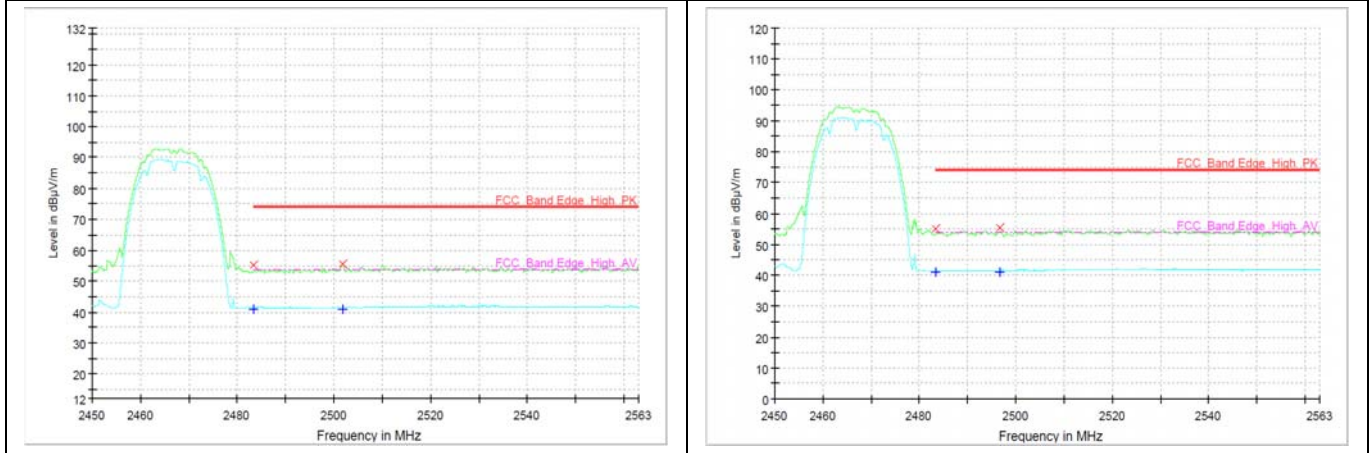
**Remarks**

1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) = 20 x Log(3/4.5) [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)



**Band Edge\_MIMO\_2.4GHz WLAN\_802.11b\_2467**

<b>Horizontal</b>	<b>Vertical</b>
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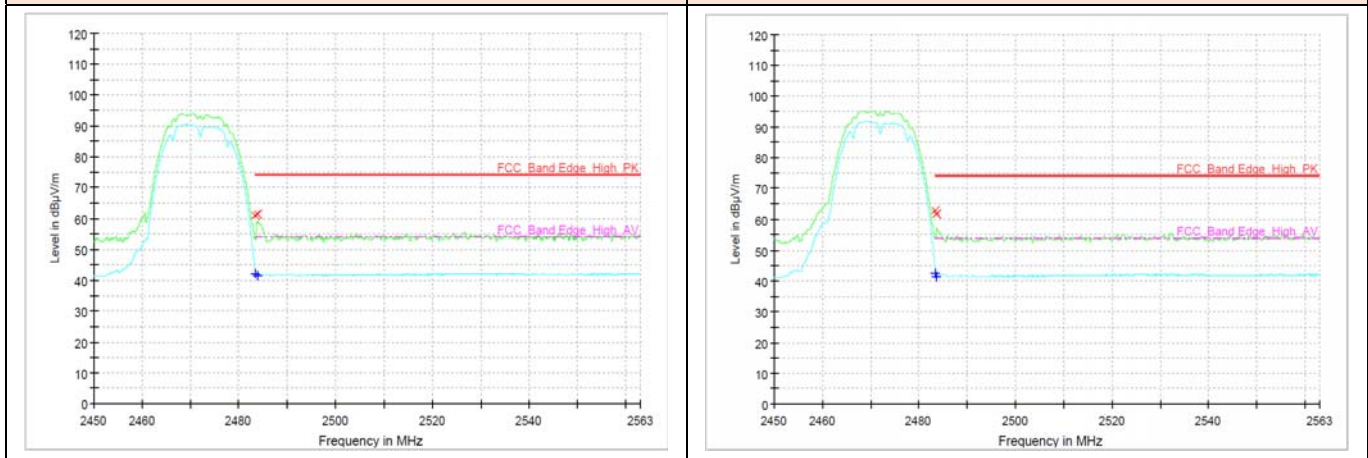
Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
2483.50	45.50	55.20	31.40	41.10		1000	100	H	198	9.70	18.90	74.00	12.90	54.00
2501.87	45.80	55.60	31.30	41.10		1000	186	H	198	9.80	18.50	74.00	12.90	54.00
2483.50	45.30	55.00	31.40	41.10		1000	257	V	174	9.70	19.00	74.00	12.90	54.00
2496.65	45.70	55.50	31.20	41.00		1000	301	V	174	9.80	18.50	74.00	13.00	54.00

**Remarks**

1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) = 20 x Log(3/4.5) [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)

**Band Edge\_MIMO\_2.4GHz WLAN\_802.11b\_2472**

<b>Horizontal</b>	<b>Vertical</b>
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Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
2483.50	51.40	61.10	32.40	42.10		1000	130	H	193	9.70	12.90	74.00	11.90	54.00
2483.82	51.60	61.30	31.60	41.30		1000	100	H	192	9.70	12.70	74.00	12.70	54.00
2483.50	52.90	62.60	32.80	42.50		1000	365	V	192	9.70	11.40	74.00	11.50	54.00
2483.65	52.00	61.70	31.90	41.60		1000	327	V	179	9.70	12.30	74.00	12.40	54.00

**Remarks**

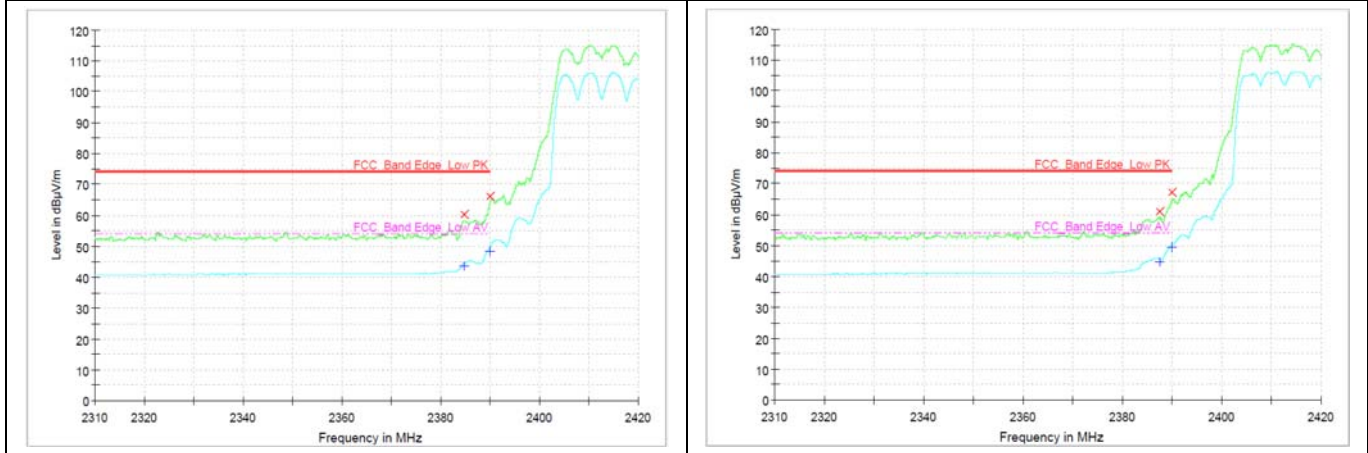
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) = 20 x Log(3/4.5) [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)





**Band Edge\_MIMO\_2.4 GHz WLAN\_802.11g\_2412**

<b>Horizontal</b>	<b>Vertical</b>
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Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
2 384.80	51.20	60.30	34.40	43.50		1 000	237	H	185	9.10	13.70	74.00	10.50	54.00
2 390.00	57.10	66.20	39.50	48.60		1 000	237	H	185	9.10	7.80	74.00	5.40	54.00
2 387.60	52.00	61.10	35.60	44.70		1 000	297	V	190	9.10	12.90	74.00	9.30	54.00
2 390.00	58.00	67.10	40.60	49.70		1 000	213	V	187	9.10	6.90	74.00	4.30	54.00

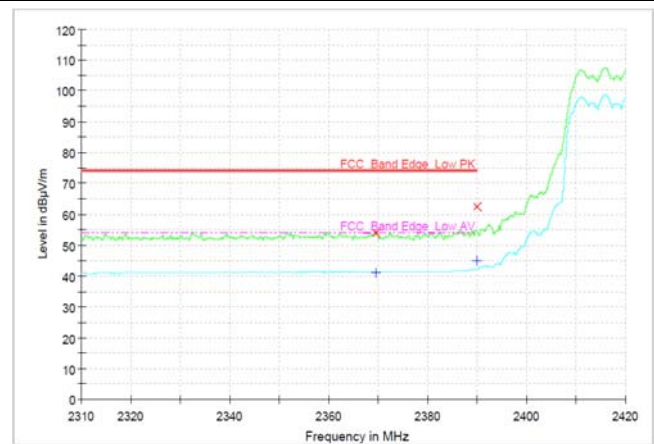
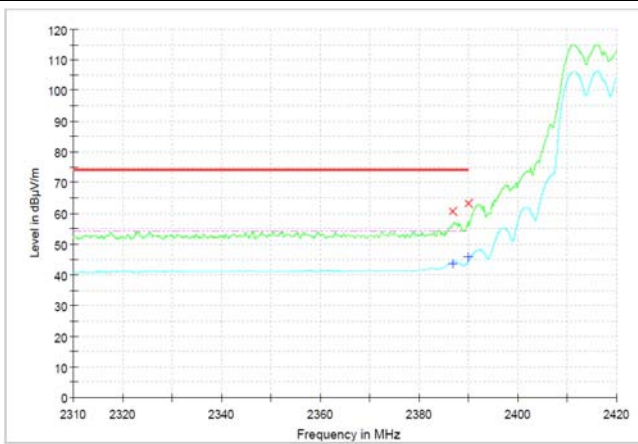
**Remarks**

1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) = 20 x Log(3/4.5) [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)

**Band Edge\_MIMO\_2.4 GHz WLAN\_802.11g\_2417**

**Horizontal**

**Vertical**



Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
2 386.80	51.50	60.60	34.70	43.80		1 000	139	H	183	9.10	13.40	74.00	10.20	54.00
2 390.00	54.20	63.30	36.80	45.90		1 000	152	H	185	9.10	10.70	74.00	8.10	54.00
2 369.60	45.10	54.10	32.10	41.10		1 000	394	V	190	9.00	19.90	74.00	12.90	54.00
2 390.00	53.40	62.50	36.10	45.20		1 000	334	V	190	9.10	11.60	74.00	8.80	54.00

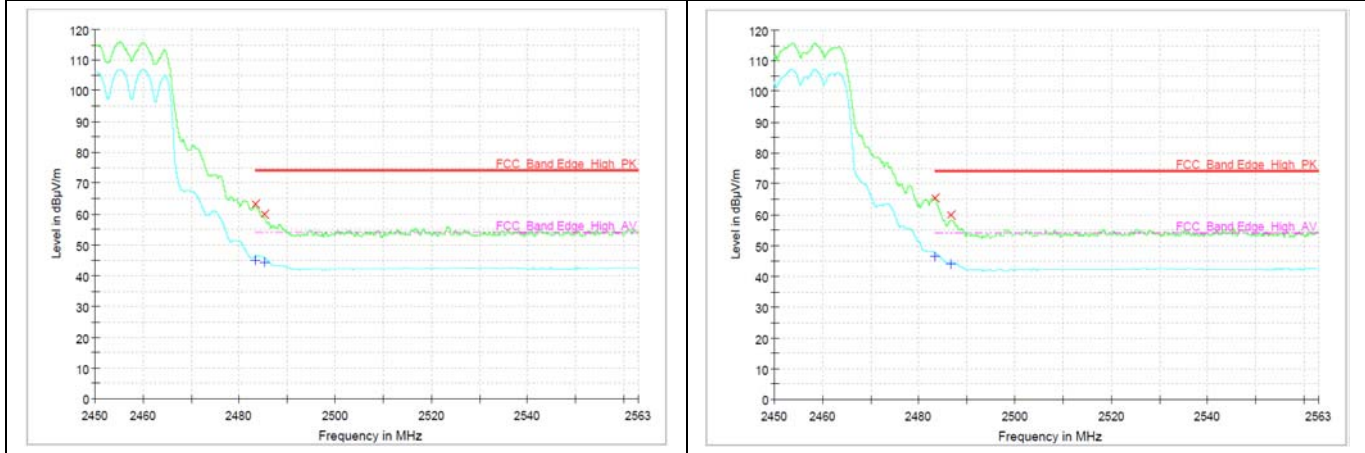
**Remarks**

1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) = 20 x Log(3/4.5) [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)



**Band Edge\_MIMO\_2.4 GHz WLAN\_802.11g\_2457**

<b>Horizontal</b>	<b>Vertical</b>
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Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
2483.50	53.60	63.30	35.30	45.00		1000	131	H	192	9.70	10.70	74.00	9.00	54.00
2485.34	50.00	59.70	34.90	44.60		1000	164	H	192	9.70	14.30	74.00	9.40	54.00
2483.50	55.80	65.50	36.90	46.60		1000	400	V	190	9.70	8.50	74.00	7.40	54.00
2486.57	50.20	59.90	34.30	44.00		1000	380	V	187	9.70	14.10	74.00	10.00	54.00

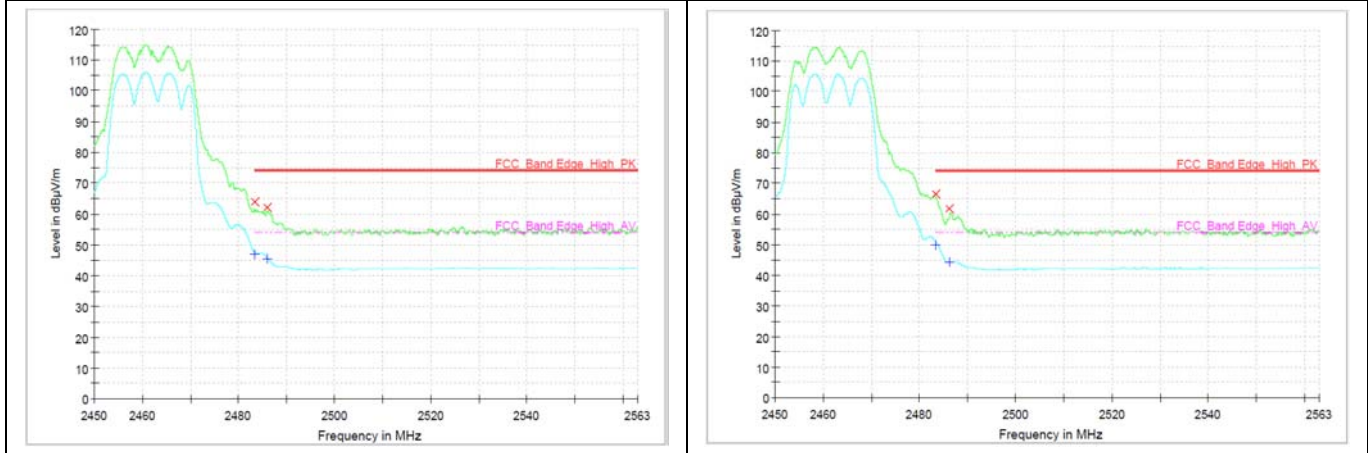
**Remarks**

1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) = 20 x Log(3/4.5) [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)



**Band Edge\_MIMO\_2.4 GHz WLAN\_802.11g\_2462**

<b>Horizontal</b>	<b>Vertical</b>
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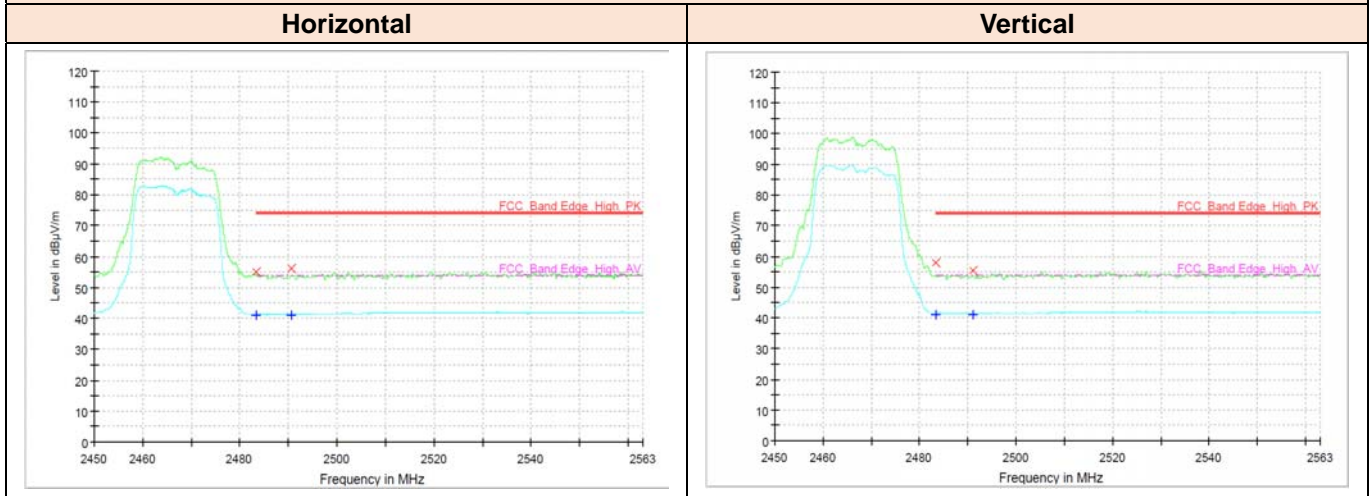
Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
2483.50	54.00	63.70	37.20	46.90		1000	144	H	187	9.70	10.30	74.00	7.20	54.00
2485.91	52.40	62.10	36.00	45.70		1000	106	H	183	9.70	11.90	74.00	8.30	54.00
2483.50	56.80	66.50	40.30	50.00		1000	379	V	186	9.70	7.50	74.00	4.00	54.00
2486.26	52.10	61.80	34.60	44.30		1000	400	V	187	9.70	12.20	74.00	9.70	54.00

**Remarks**

1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) = 20 x Log(3/4.5) [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)



**Band Edge\_MIMO\_2.4GHz WLAN\_802.11g\_2467**



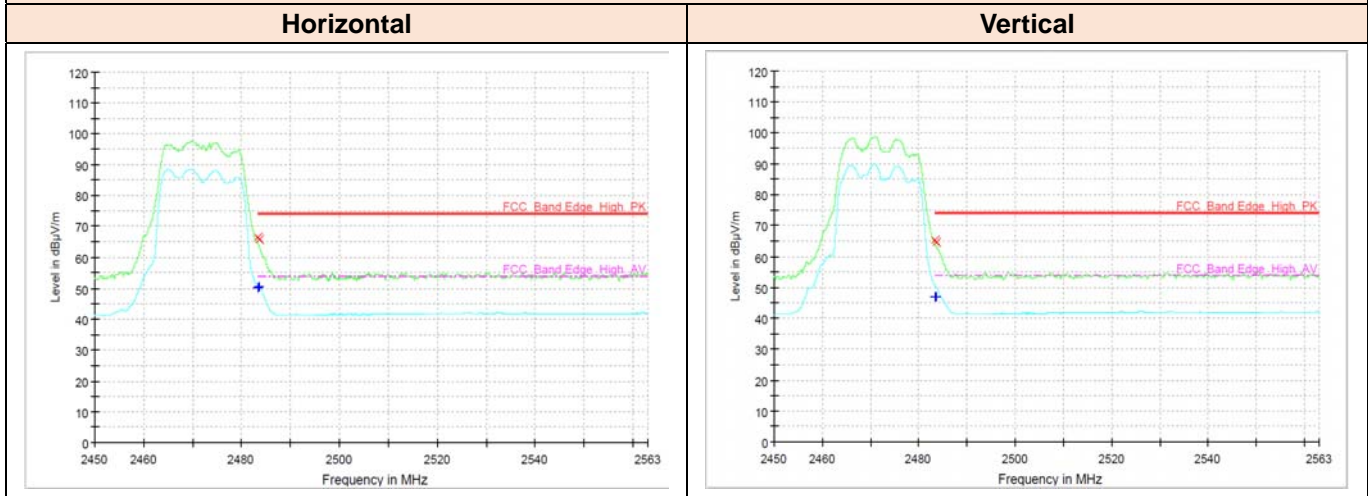
Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
2483.50	45.20	54.90	31.30	41.00		1 000	179	H	158	9.70	19.10	74.00	13.00	54.00
2490.70	46.40	56.10	31.30	41.00		1 000	120	H	180	9.70	17.90	74.00	13.10	54.00
2483.50	48.50	58.20	31.50	41.20		1 000	400	V	158	9.70	15.80	74.00	12.80	54.00
2491.19	45.50	55.20	31.30	41.00		1 000	400	V	158	9.70	18.80	74.00	13.10	54.00

**Remarks**

1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) = 20 x Log(3/4.5) [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)



**Band Edge\_MIMO\_2.4GHz WLAN\_802.11g\_2472**



Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
2483.50	56.50	66.20	40.50	50.20		1000	179	H	167	9.70	7.80	74.00	3.80	54.00
2483.60	56.20	65.90	41.10	50.80		1000	187	H	205	9.70	8.10	74.00	3.20	54.00
2483.50	55.70	65.40	37.20	46.90		1000	400	V	179	9.70	8.60	74.00	7.10	54.00
2483.65	54.80	64.50	37.10	46.80		1000	276	V	167	9.70	9.50	74.00	7.20	54.00

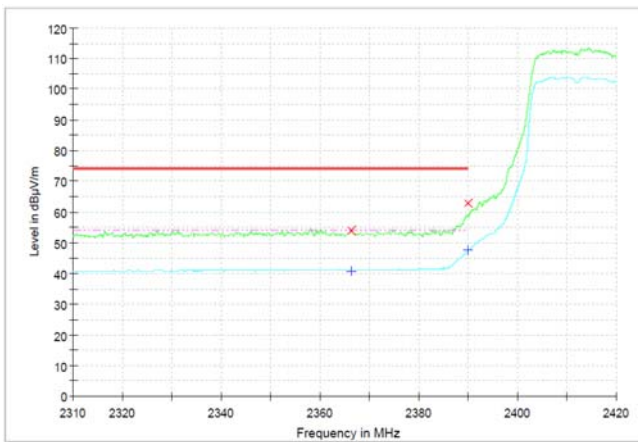
**Remarks**

1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) = 20 x Log(3/4.5) [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)

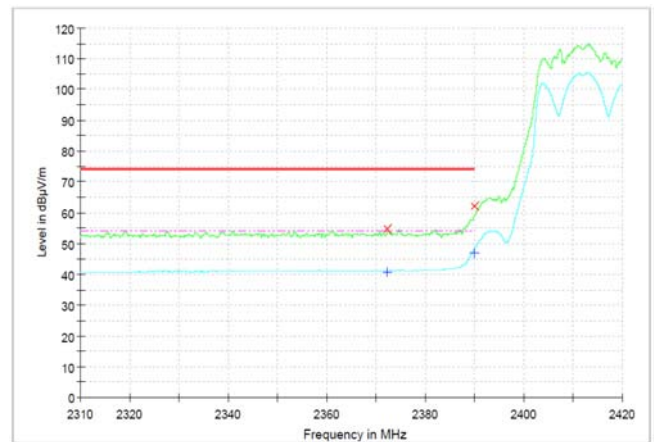


**Band Edge\_MIMO\_2.4 GHz WLAN\_802.11n(HT20)\_2412**

**Horizontal**



**Vertical**



Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
2366.40	45.00	54.00	31.80	40.80		1000	164	H	183	9.00	20.10	74.00	13.20	54.00
2390.00	53.70	62.80	38.60	47.70		1000	100	H	183	9.10	11.30	74.00	6.30	54.00
2372.23	45.70	54.70	31.90	40.90		1000	325	V	184	9.00	19.30	74.00	13.10	54.00
2390.00	52.90	62.00	37.90	47.00		1000	398	V	184	9.10	12.00	74.00	7.10	54.00

**Remarks**

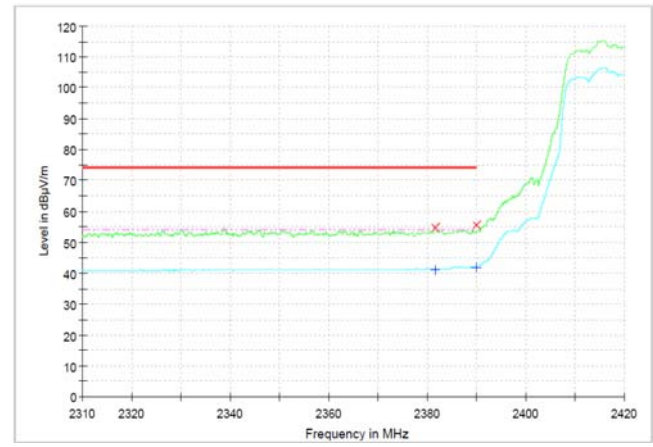
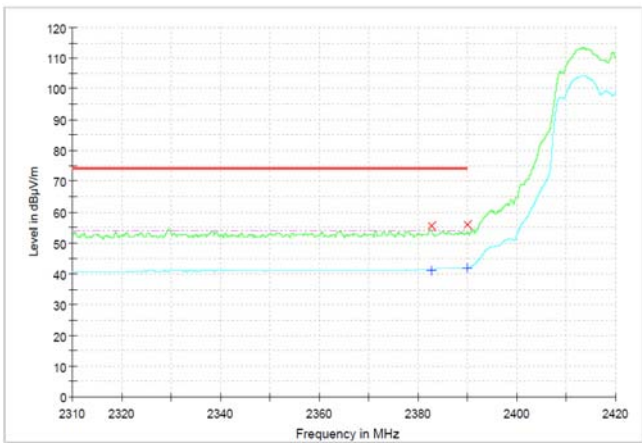
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) = 20 x Log(3/4.5) [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)



**Band Edge\_MIMO\_2.4 GHz WLAN\_802.11n(HT20)\_2417**

**Horizontal**

**Vertical**



Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
2382.80	46.20	55.30	32.10	41.20		1000	313	H	178	9.10	18.70	74.00	12.80	54.00
2390.00	46.50	55.60	32.70	41.80		1000	152	H	177	9.10	18.40	74.00	12.20	54.00
2381.60	45.50	54.60	32.00	41.10		1000	400	V	178	9.10	19.40	74.00	12.90	54.00
2390.00	46.40	55.50	32.70	41.80		1000	332	V	175	9.10	18.50	74.00	12.20	54.00

**Remarks**

1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) = 20 x Log(3/4.5) [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)

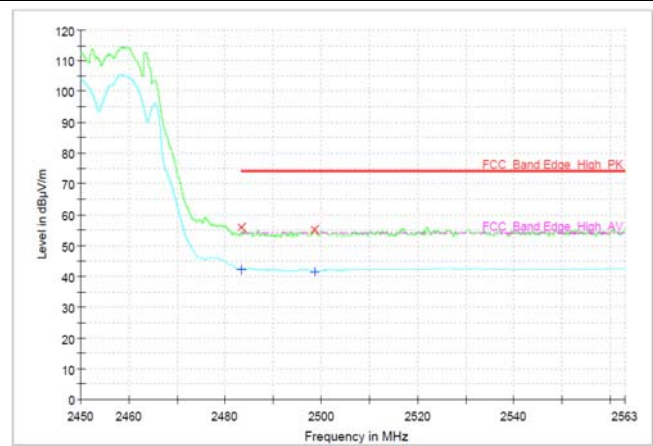
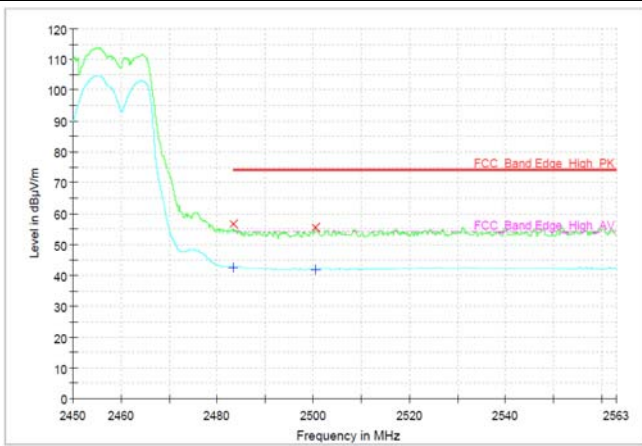




**Band Edge\_MIMO\_2.4 GHz WLAN\_802.11n(HT20)\_2457**

**Horizontal**

**Vertical**



Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
2483.50	47.00	56.70	33.00	42.70		1000	100	H	179	9.70	17.30	74.00	11.30	54.00
2500.40	45.60	55.40	31.90	41.70		1000	172	H	180	9.80	18.60	74.00	12.30	54.00
2483.50	46.10	55.80	32.40	42.10		1000	350	V	182	9.70	18.20	74.00	11.90	54.00
2498.48	45.40	55.20	31.80	41.60		1000	350	V	179	9.80	18.80	74.00	12.40	54.00

**Remarks**

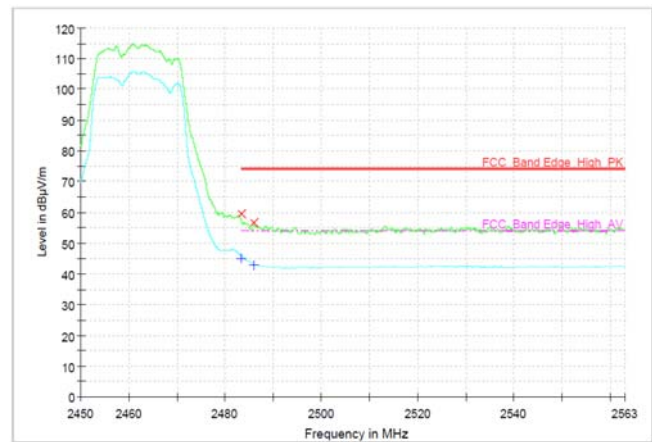
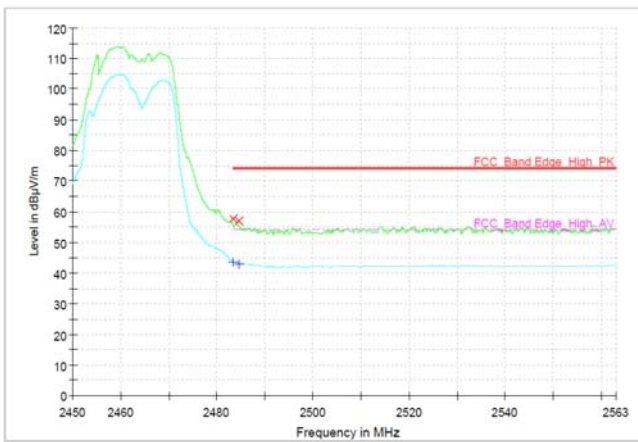
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) = 20 x Log(3/4.5) [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)



**Band Edge\_MIMO\_2.4 GHz WLAN\_802.11n(HT20)\_2462**

**Horizontal**

**Vertical**



Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
2483.50	47.90	57.60	34.00	43.70		1000	214	H	181	9.70	16.40	74.00	10.30	54.00
2484.62	47.00	56.70	33.40	43.10		1000	150	H	181	9.70	17.30	74.00	10.90	54.00
2483.50	49.70	59.40	35.40	45.10		1000	400	V	175	9.70	14.60	74.00	8.90	54.00
2485.84	47.00	56.70	33.20	42.90		1000	338	V	177	9.70	17.30	74.00	11.10	54.00

**Remarks**

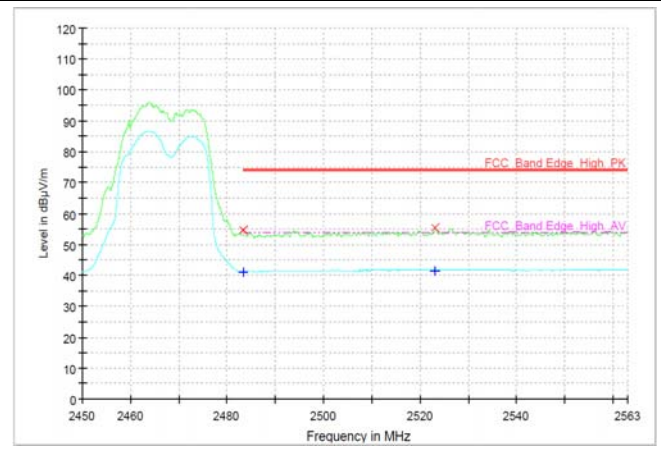
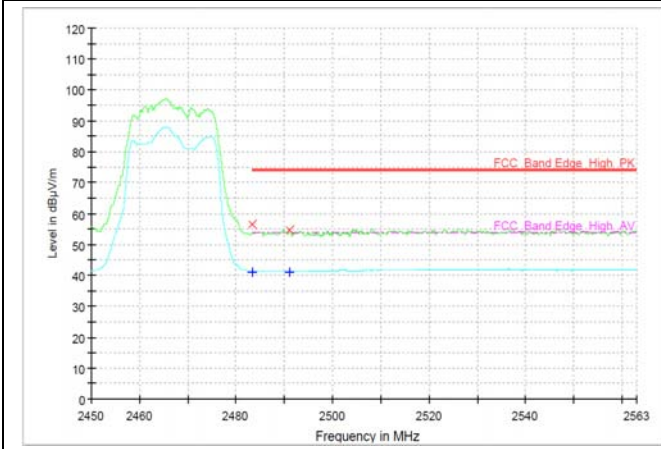
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) = 20 x Log(3/4.5) [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)



**Band Edge\_MIMO\_2.4GHz WLAN\_802.11n(HT20)\_2467**

**Horizontal**

**Vertical**



Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
2483.50	46.80	56.50	31.40	41.10		1000	105	H	190	9.70	17.50	74.00	12.90	54.00
2491.05	45.10	54.80	31.20	40.90		1000	222	H	190	9.70	19.20	74.00	13.10	54.00
2483.50	45.10	54.80	31.30	41.00		1000	395	V	210	9.70	19.20	74.00	13.00	54.00
2483.50	45.10	54.80	31.30	41.00		1000	340	V	210	9.70	19.20	74.00	13.00	54.00
2523.02	45.20	55.30	31.30	41.40		1000	250	V	210	10.10	18.70	74.00	12.60	54.00

**Remarks**

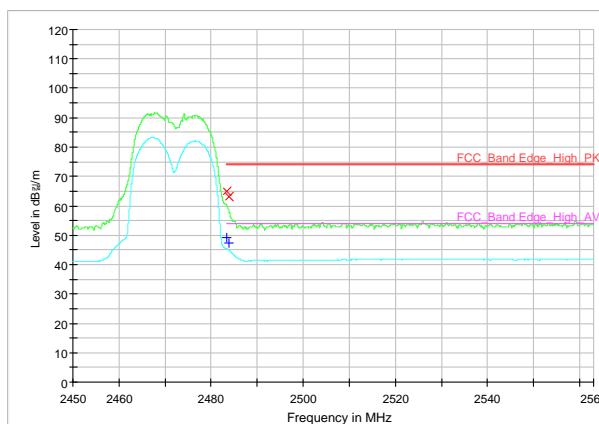
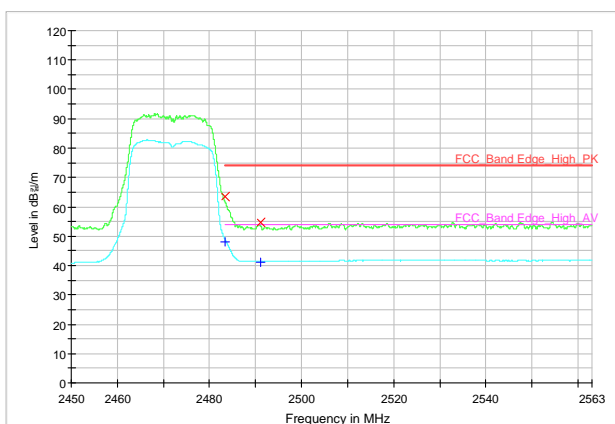
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) = 20 x Log(3/4.5) [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)



**Band Edge\_MIMO\_2.4GHz WLAN\_802.11n(HT20)\_2472**

**Horizontal**

**Vertical**



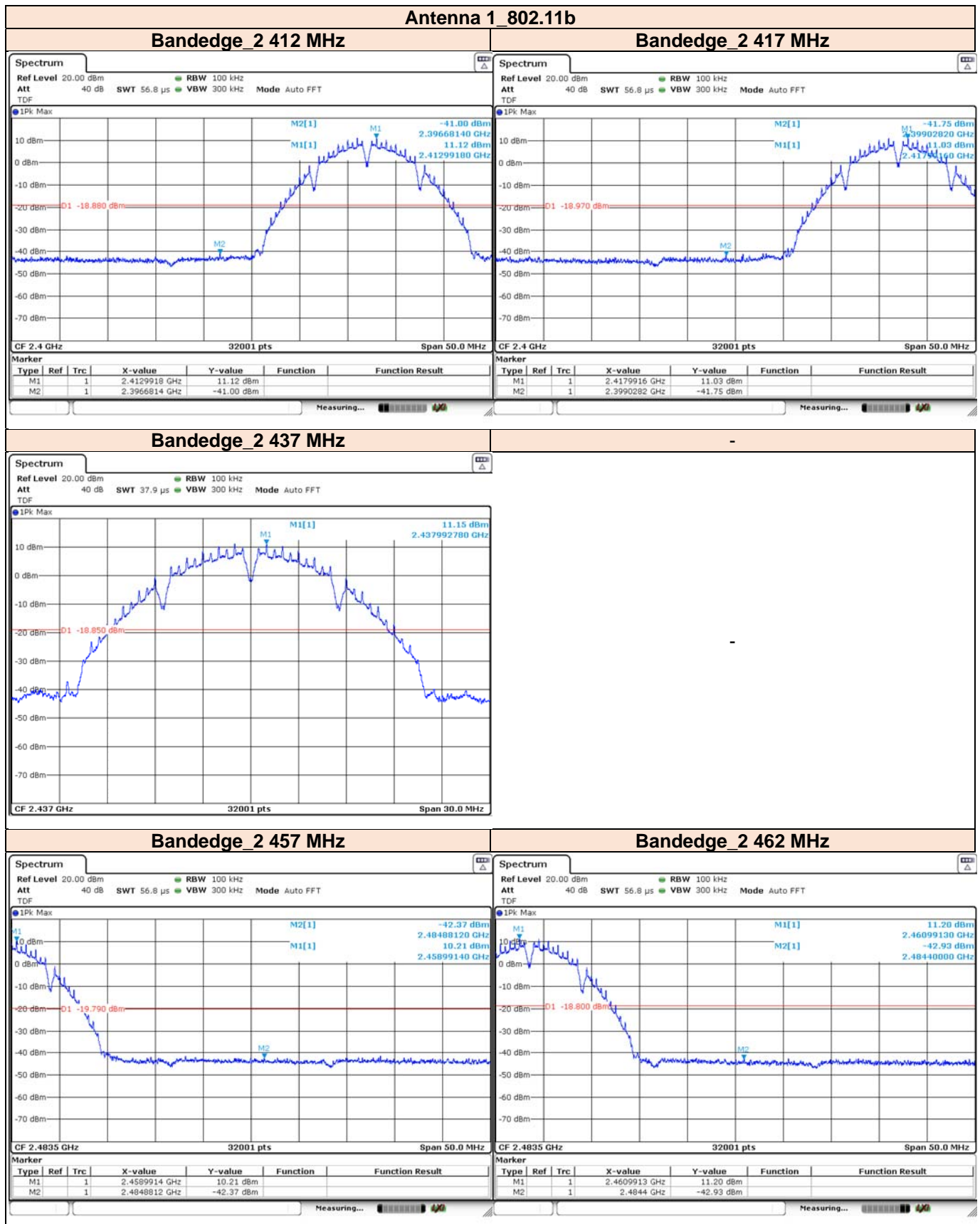
Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
2483.50	53.90	63.60	38.20	47.90		1000	140	H	219	9.70	10.50	74.00	6.10	54.00
2491.08	45.00	54.70	31.30	41.00		1000	120	H	182	9.70	19.40	74.00	13.00	54.00
2483.50	55.30	65.00	39.40	49.10		1000	380	V	187	9.70	9.00	74.00	4.90	54.00
2483.76	53.40	63.10	37.70	47.40		1000	375	V	182	9.70	10.90	74.00	6.60	54.00

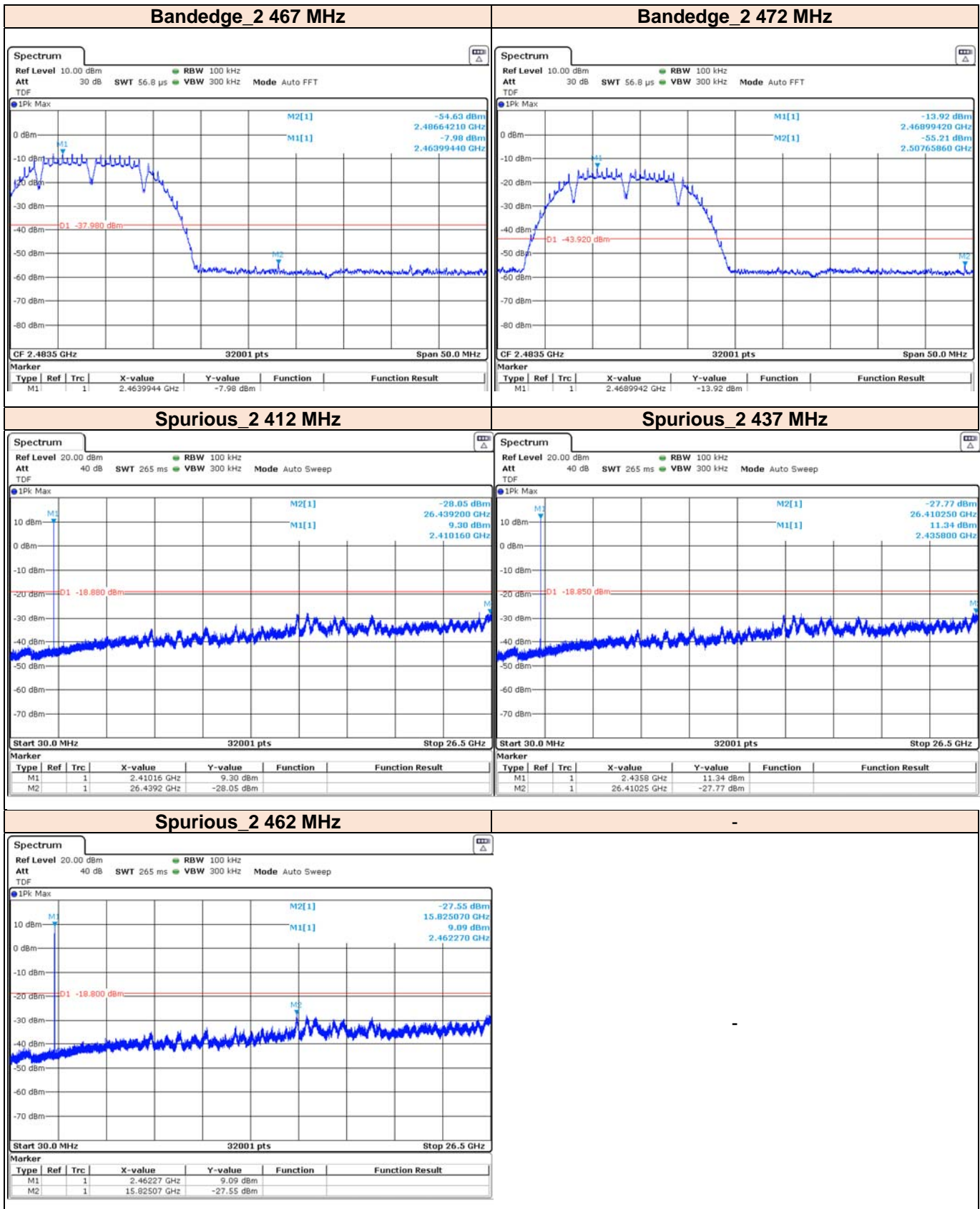
**Remarks**

1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) =  $10 \times \log(1/\text{Duty Cycle})$
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor (dB)
5. Distance Factor(dB) =  $20 \times \log(3/4.5)$  [Reference Distance: 3 m, Measurement Distance: 4.5 m]
6. Margin(dB) = (Peak/Average) Result (dBµV/m) – (Peak/Average) Limit (dBµV/m)



### 3.5.6 Test Result of Conducted Spurious Emission



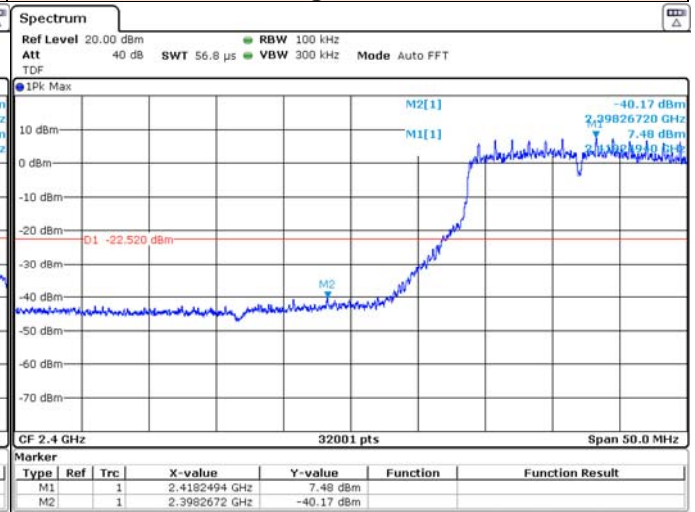
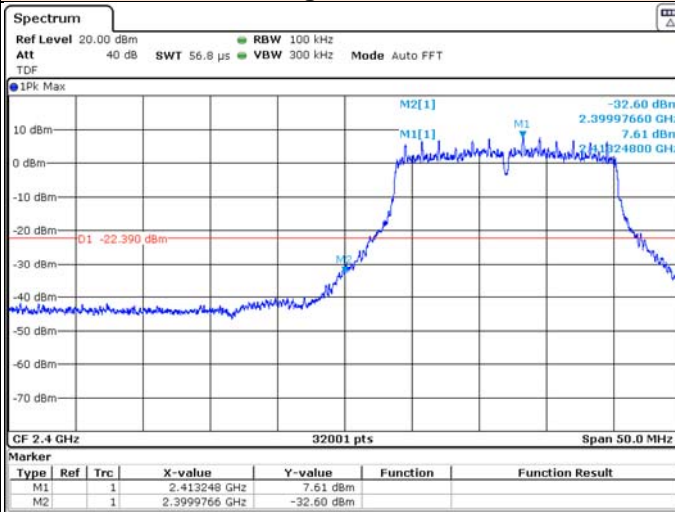




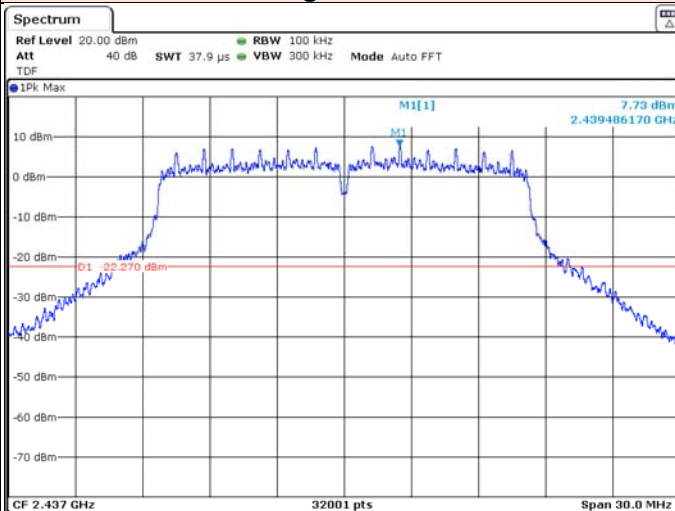
**Antenna 1\_802.11g**

**Bandedge\_2 412 MHz**

**Bandedge\_2 417 MHz**

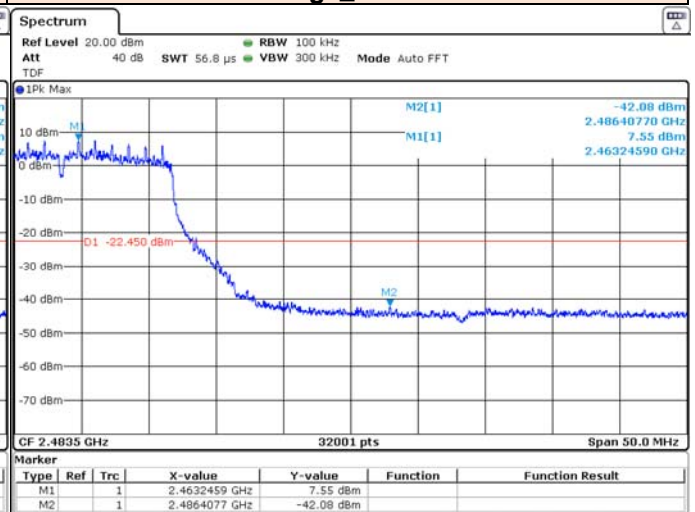
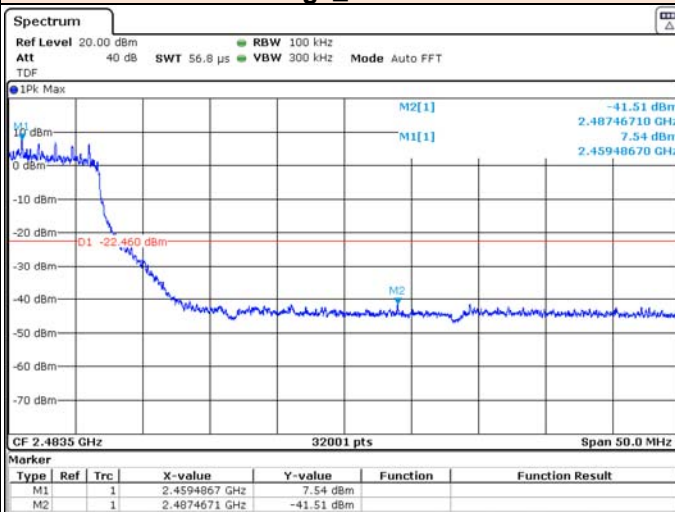


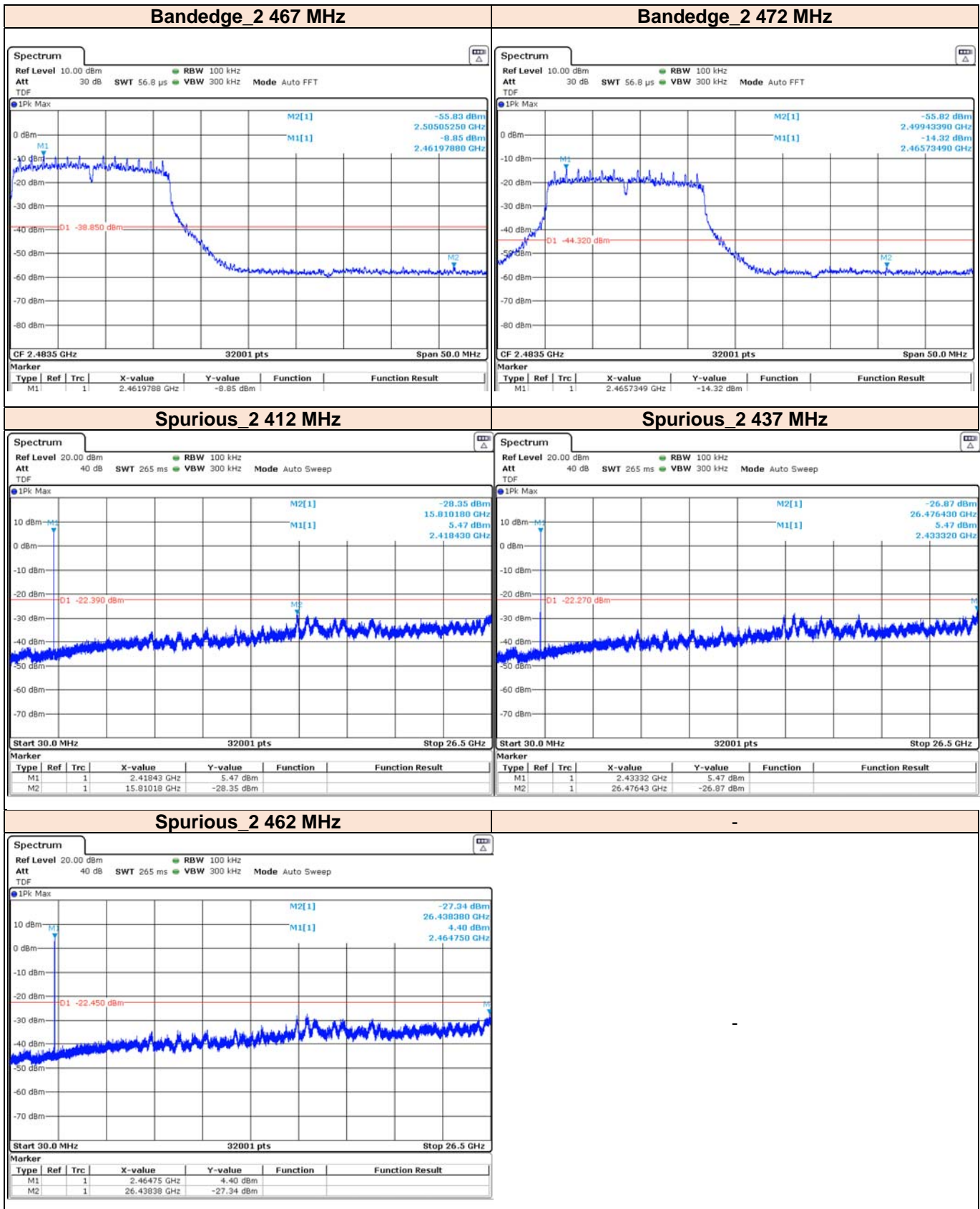
**Bandedge\_2 437 MHz**



**Bandedge\_2 457 MHz**

**Bandedge\_2 462 MHz**





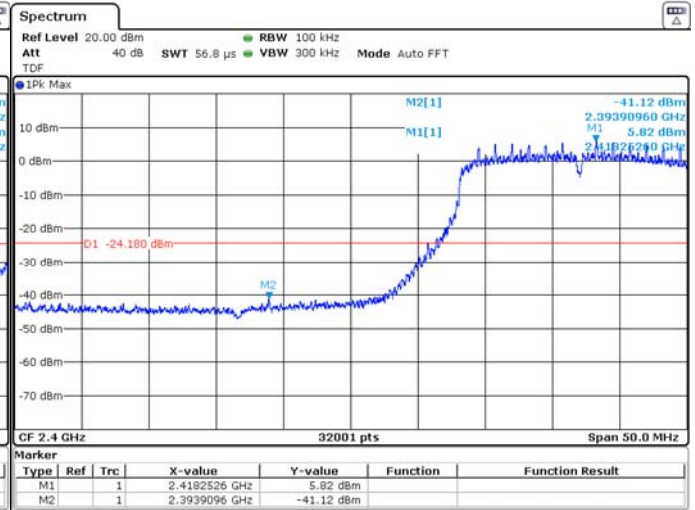
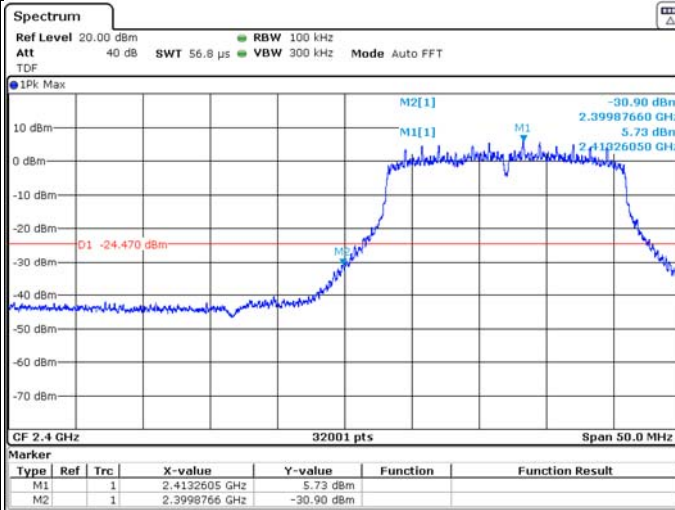




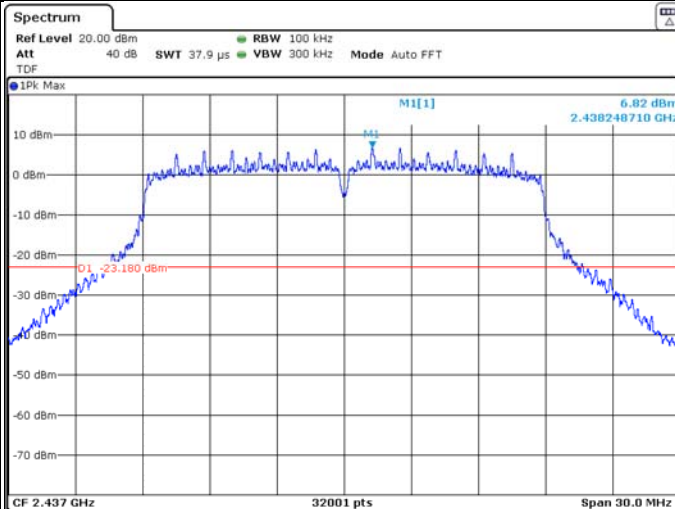
**Antenna 1\_802.11n(HT20)**

**Bandedge\_2 412 MHz**

**Bandedge\_2 417 MHz**

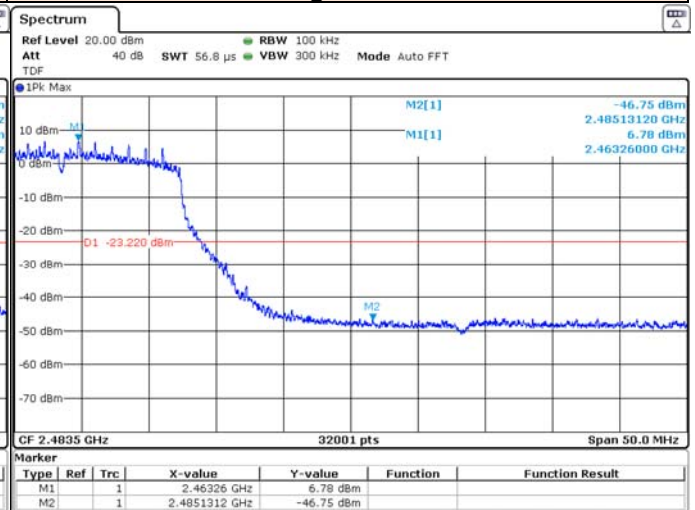
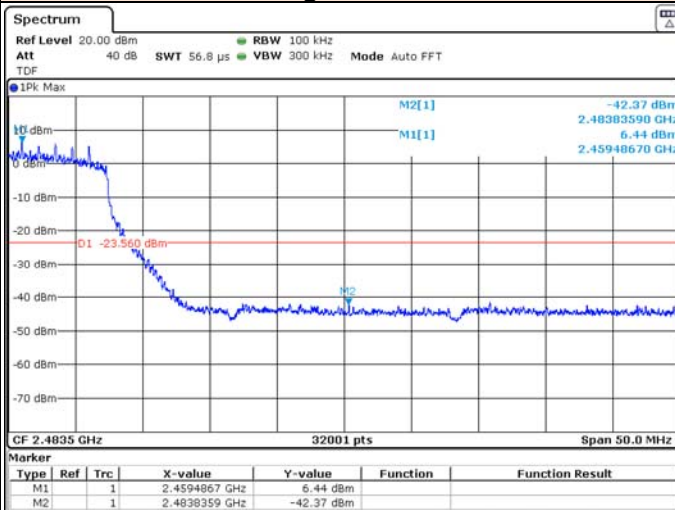


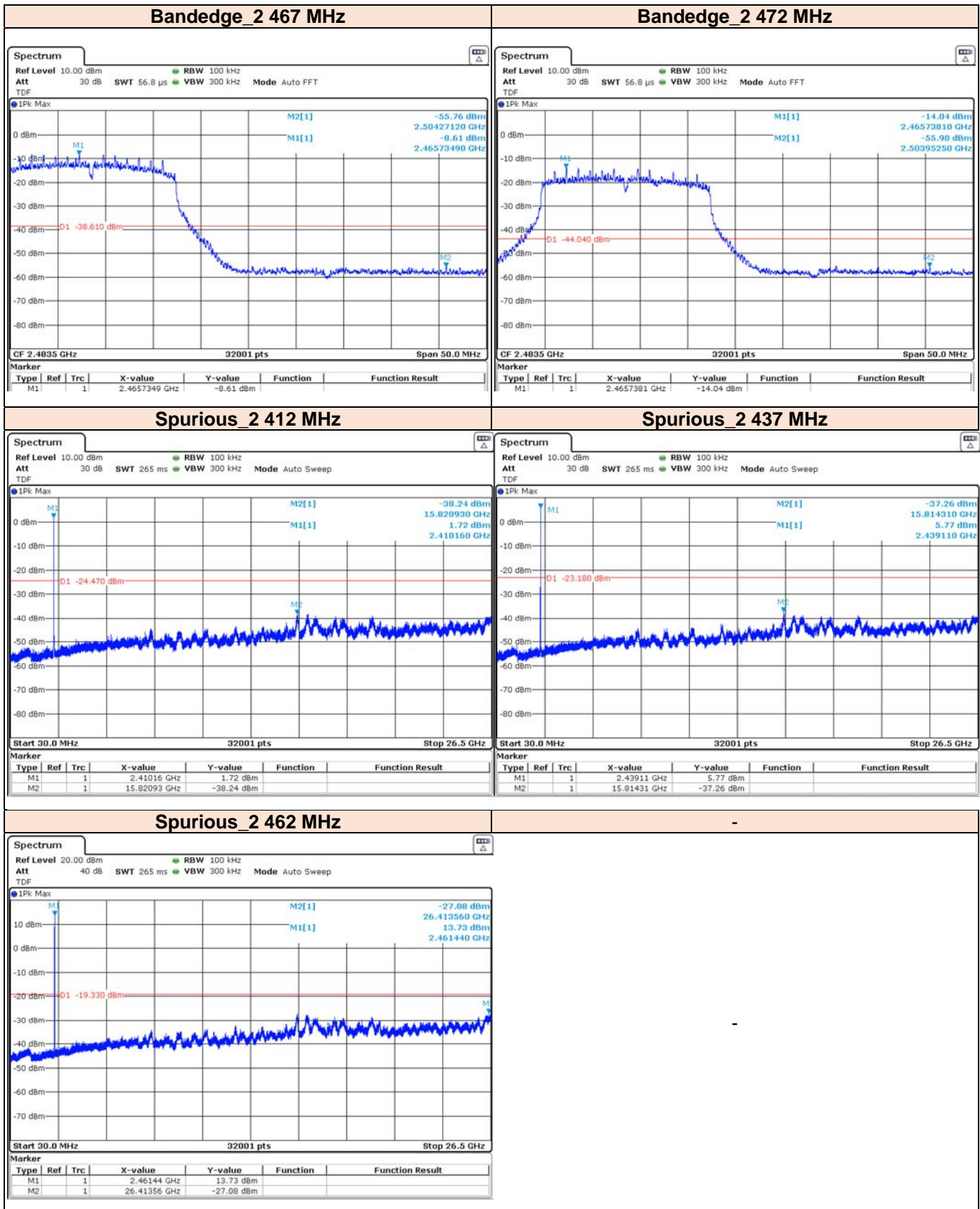
**Bandedge\_2 437 MHz**



**Bandedge\_2 457 MHz**

**Bandedge\_2 462 MHz**



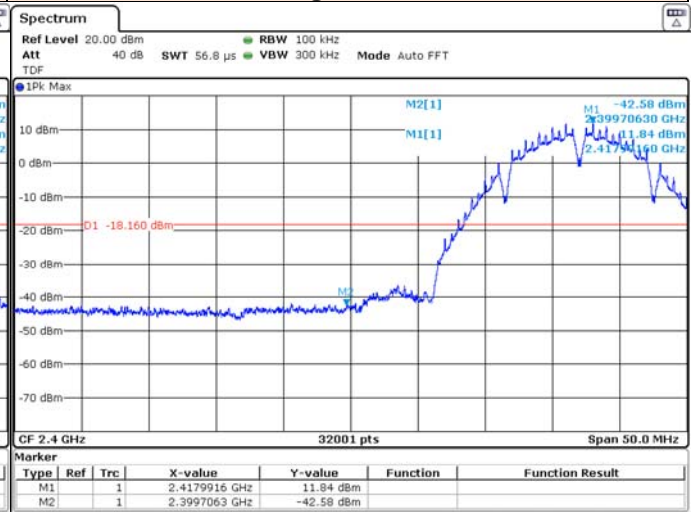
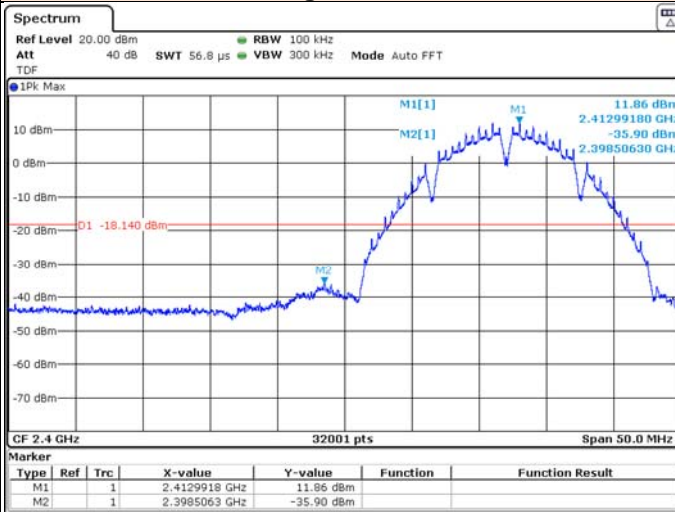




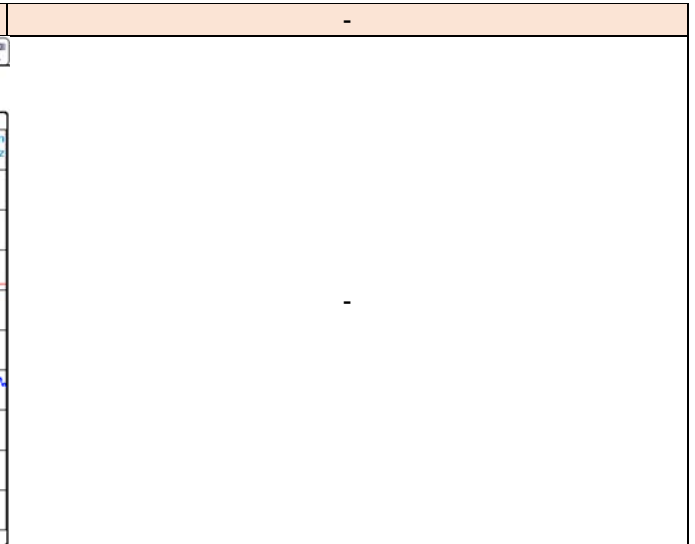
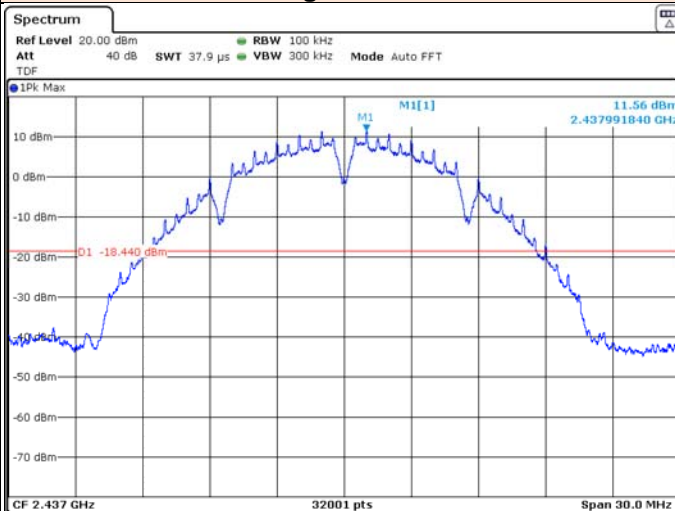
**Antenna 2\_802.11b**

**Bandedge\_2 412 MHz**

**Bandedge\_2 417 MHz**

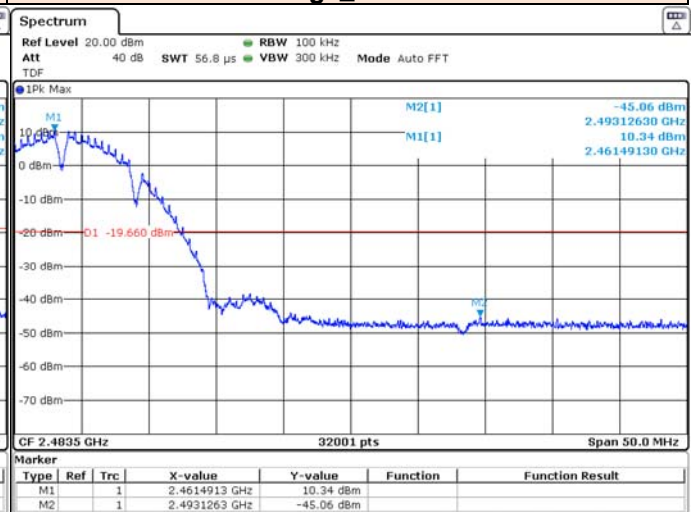
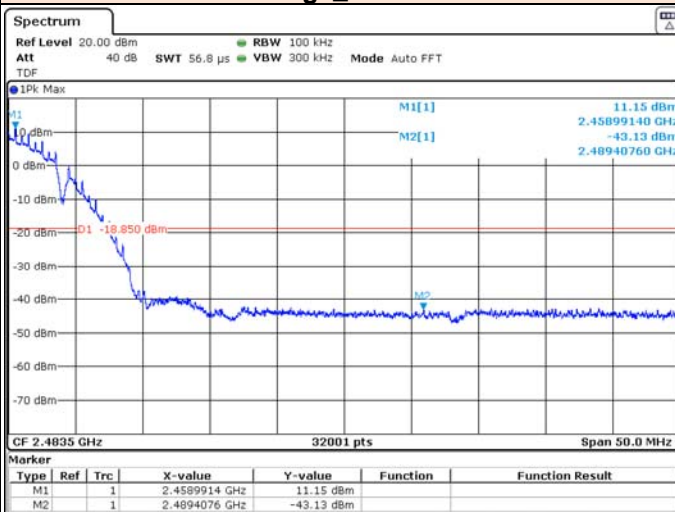


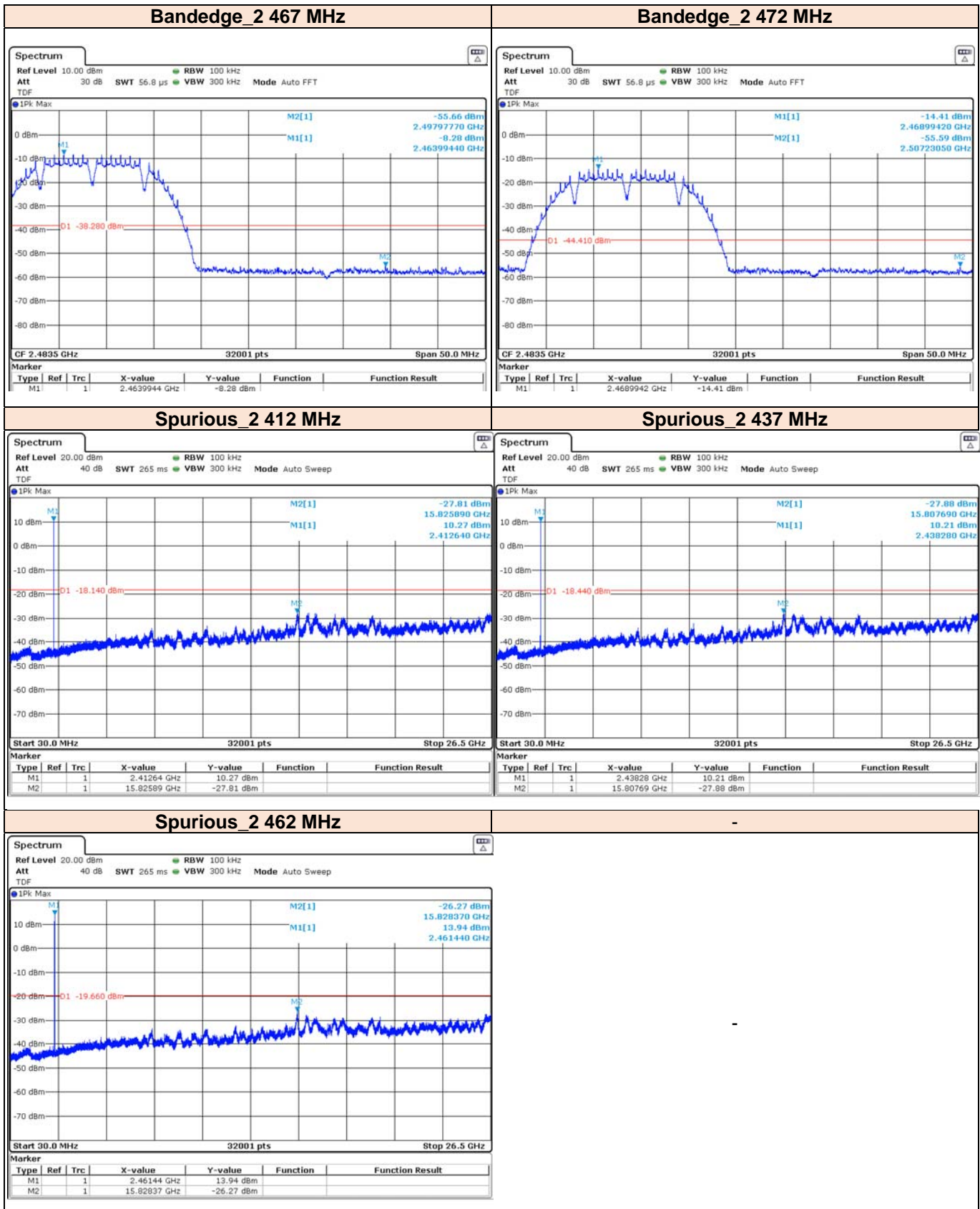
**Bandedge\_2 437 MHz**



**Bandedge\_2 457 MHz**

**Bandedge\_2 462 MHz**

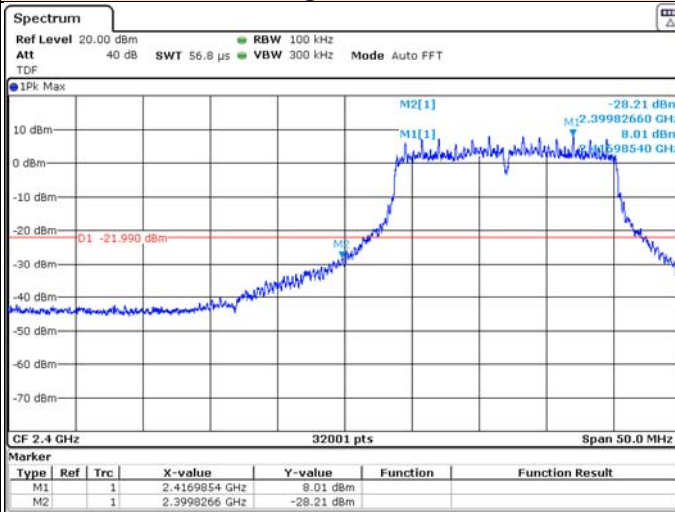




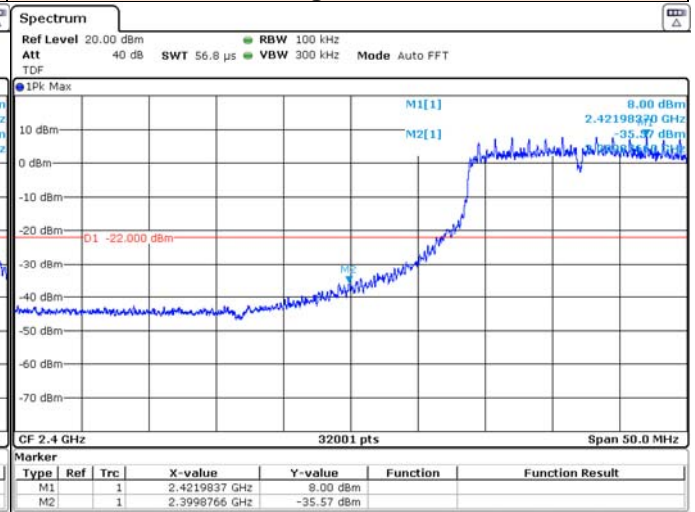


### Antenna 2\_802.11g

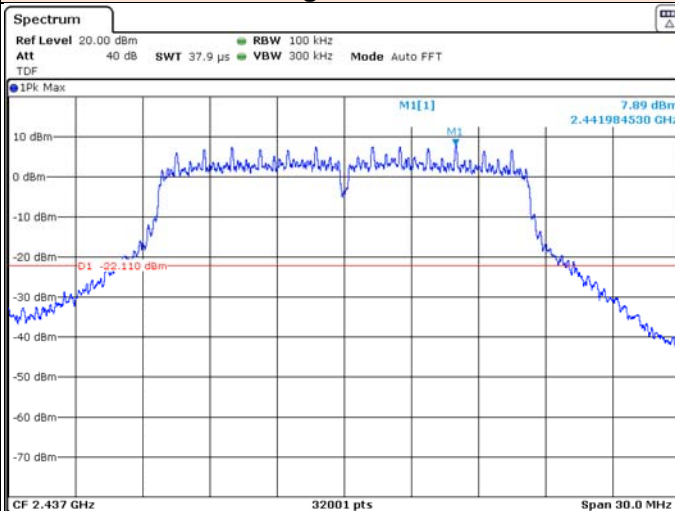
#### Bandedge\_2 412 MHz



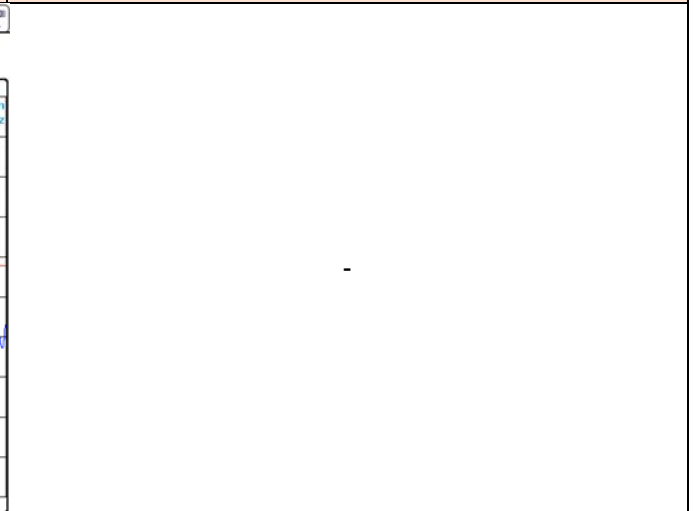
#### Bandedge\_2 417 MHz



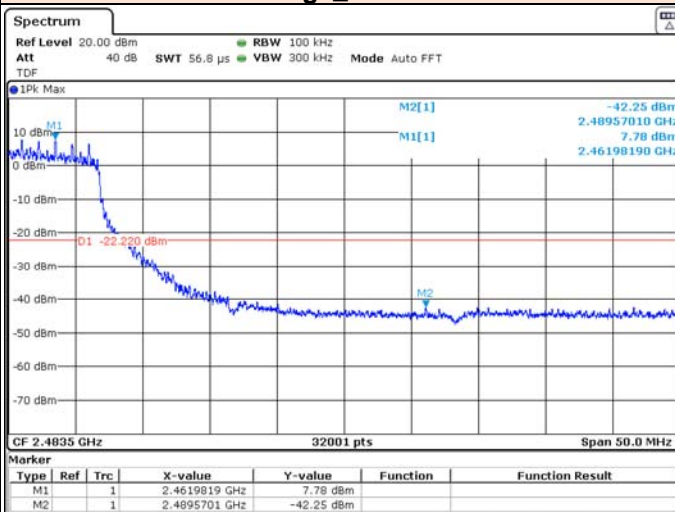
#### Bandedge\_2 437 MHz



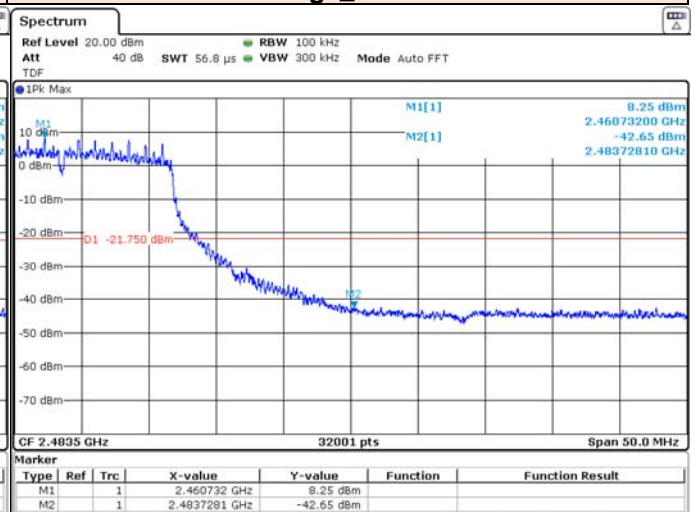
#### -

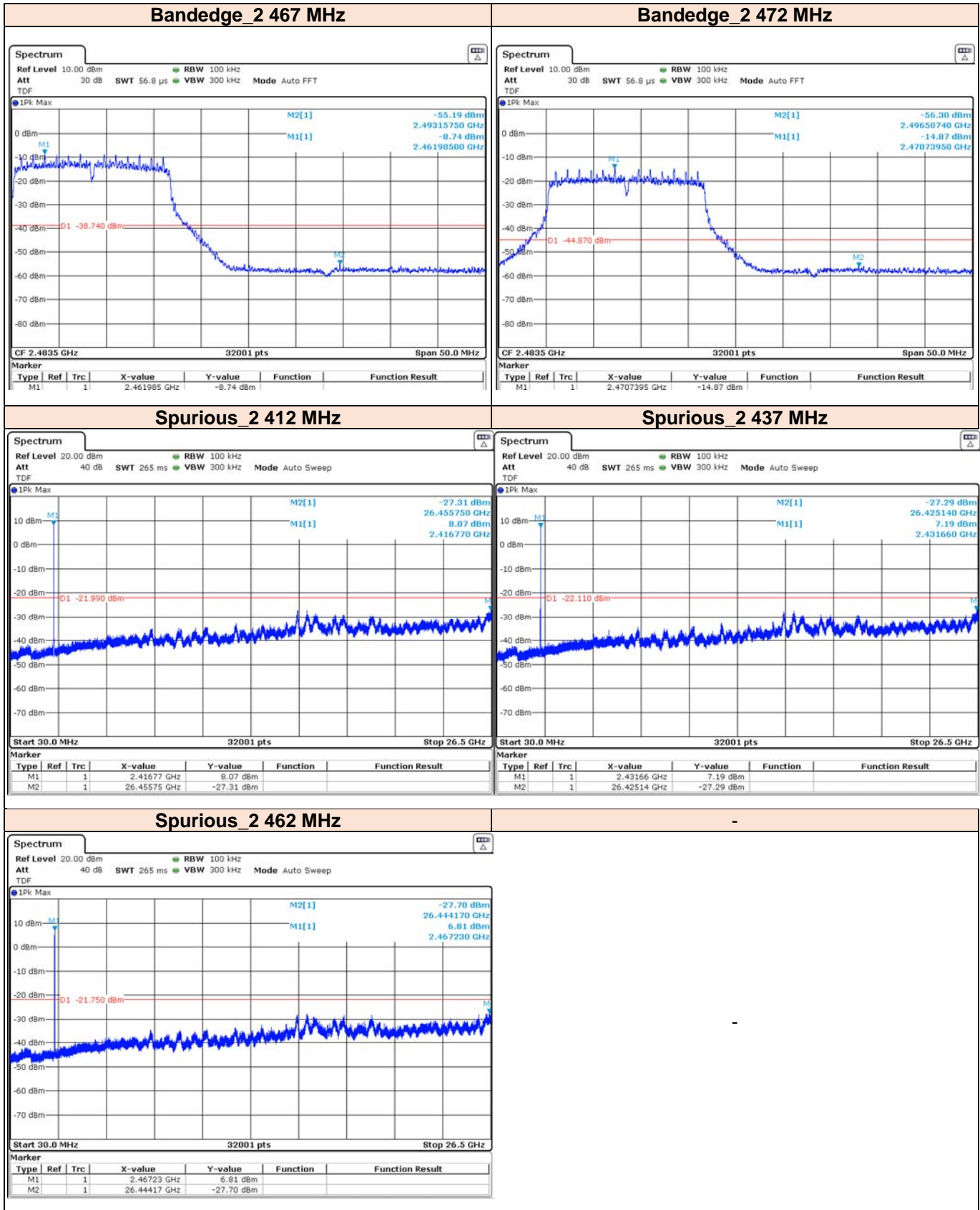


#### Bandedge\_2 457 MHz



#### Bandedge\_2 462 MHz

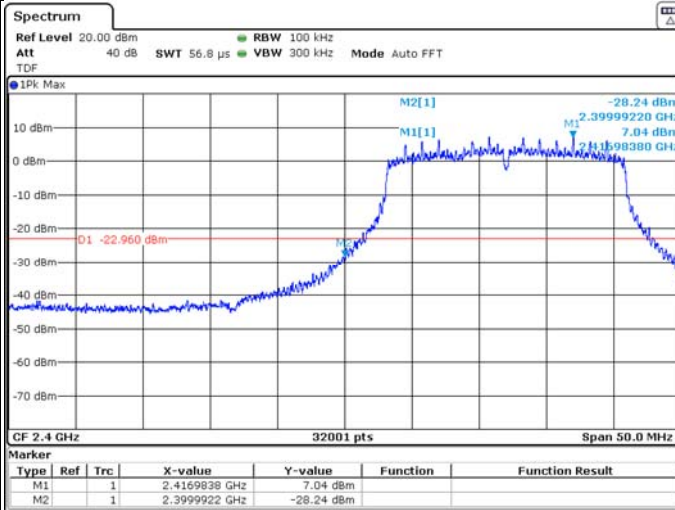




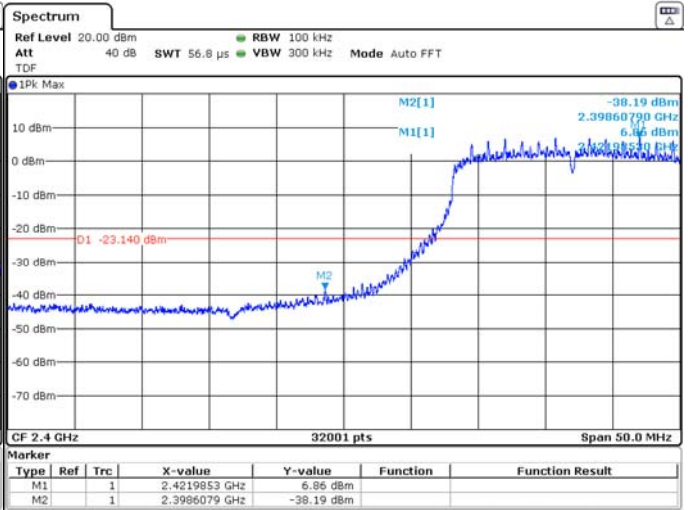


**Antenna 2\_802.11n(HT20)**

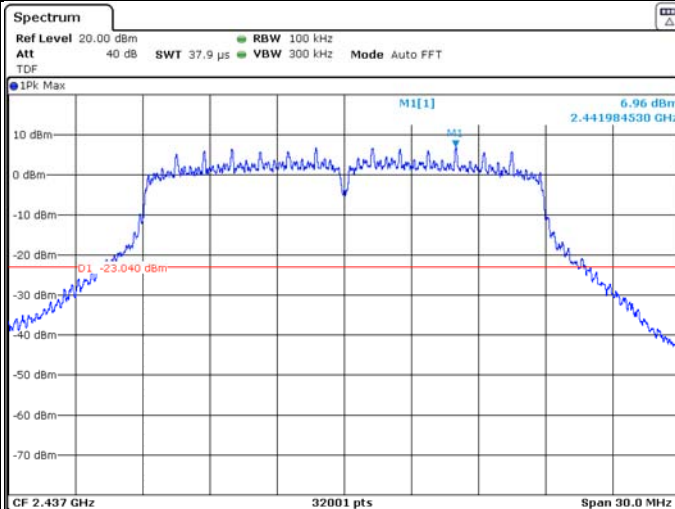
**Bandedge\_2 412 MHz**



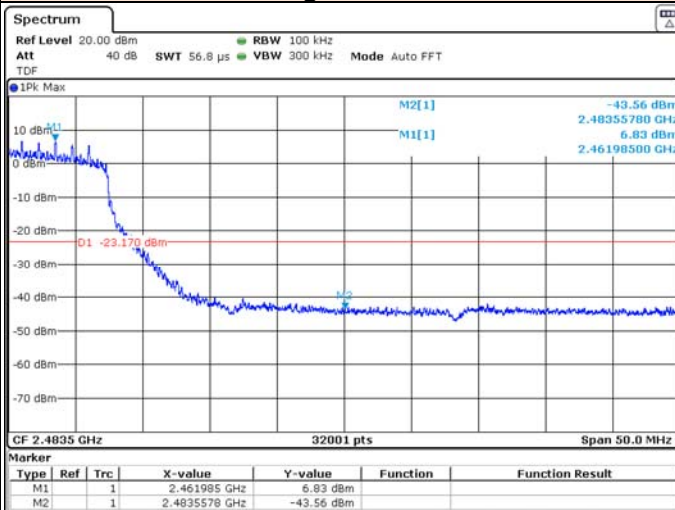
**Bandedge\_2 417 MHz**



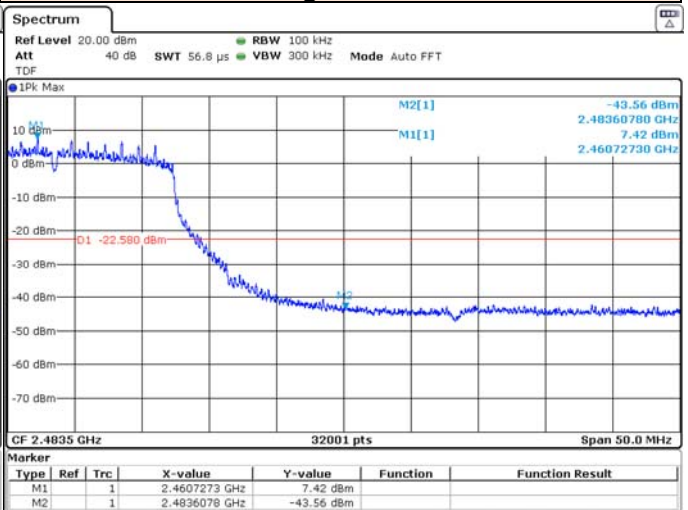
**Bandedge\_2 437 MHz**

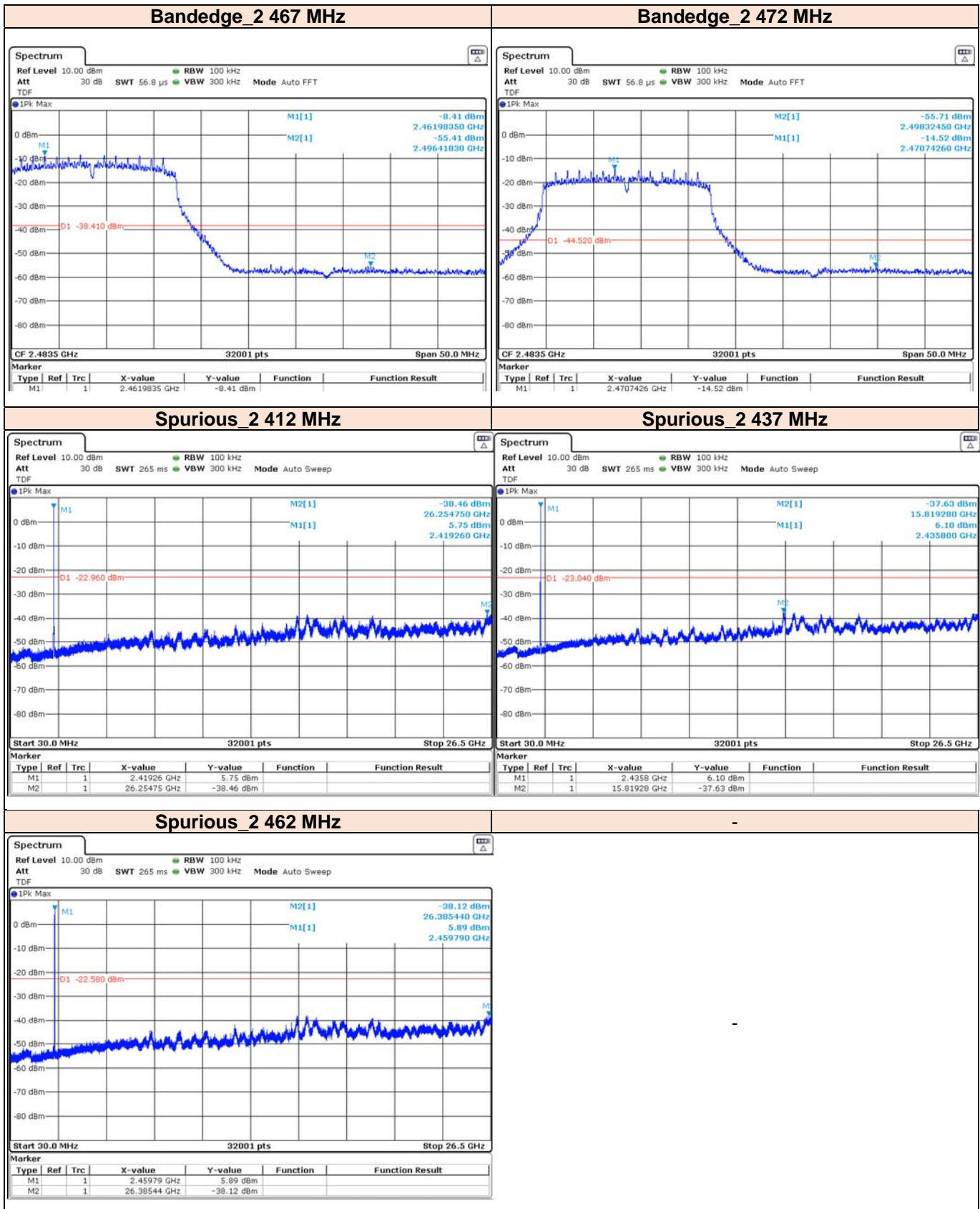


**Bandedge\_2 457 MHz**



**Bandedge\_2 462 MHz**







## 3.6 AC Conducted Emissions (150 kHz to 30 MHz)

### 3.6.1 Regulation

§15.207(a) : Except as shown in paragraphs (b) and (c) of this section, 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  $\mu$ 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 $\mu$ 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.

### 3.6.2 Test Procedure

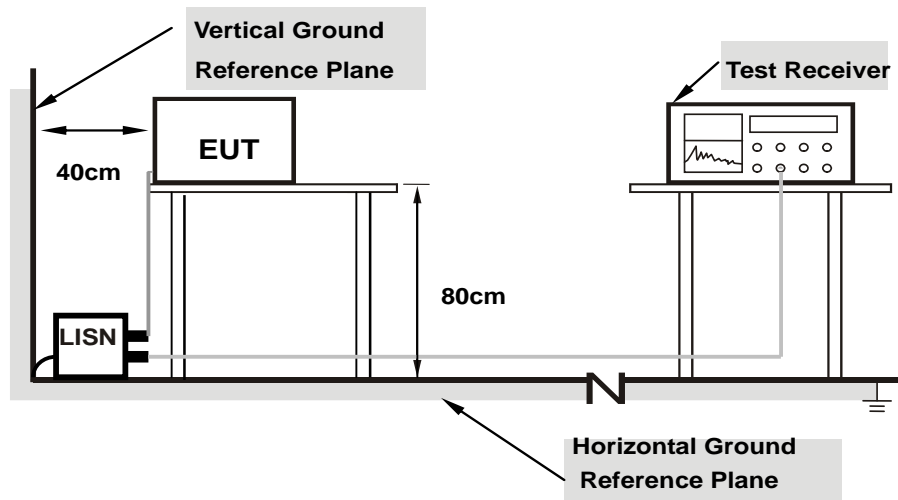
- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm / 50  $\mu$ H of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched. Emission levels under (Limit – 20 dB) was not recorded.

**Remark :** The resolution bandwidth and video bandwidth of test receiver is 9 kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15 MHz – 30 MHz.

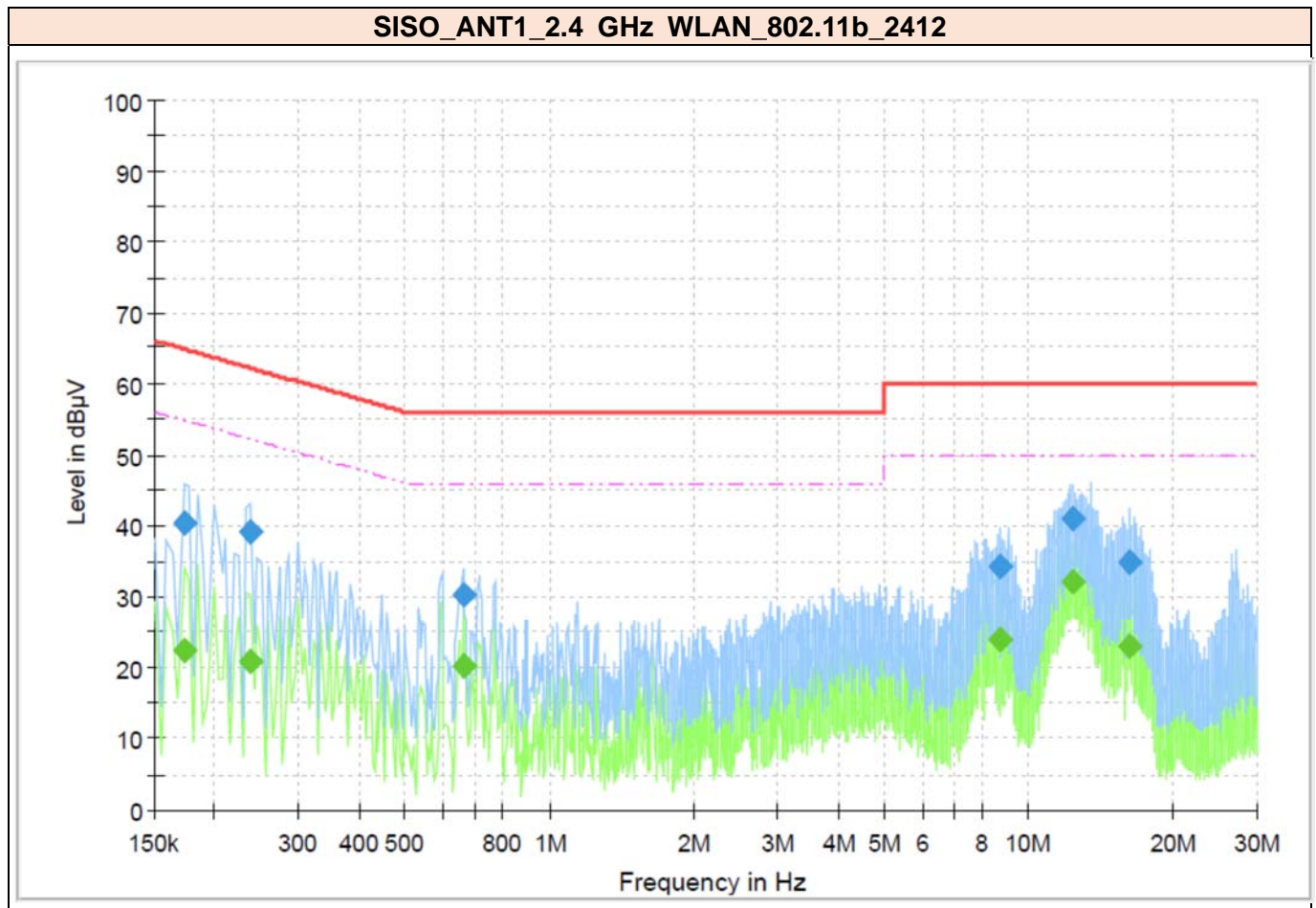
### 3.6.3 Deviation from Test Standard

No deviation.

### 3.6.4 Test Setup



### 3.6.5 Test Result

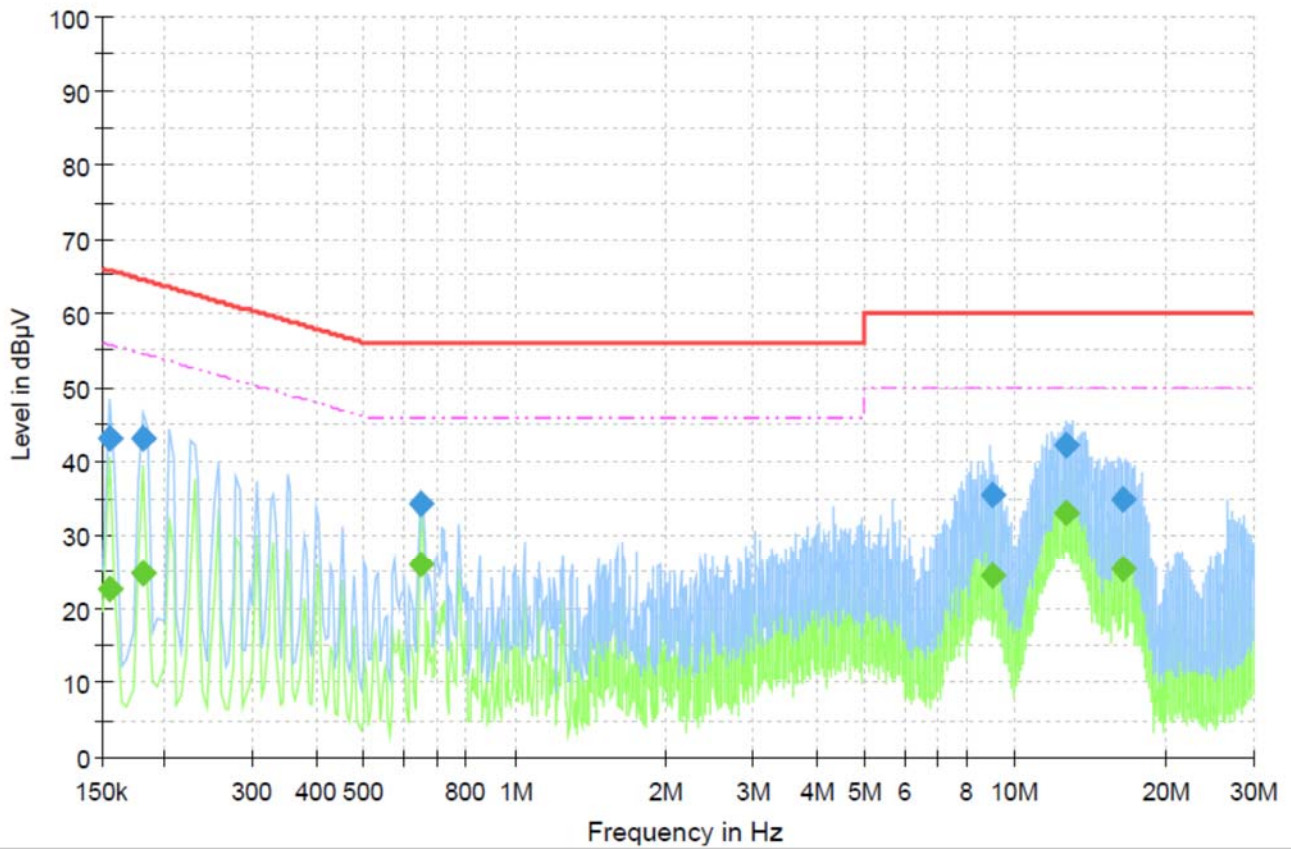


Frequency [MHz]	Quasi Peak Reading Value [dBuV]	Quasi Peak Result [dBuV]	CAV Reading Value [dBuV]	CAV Result [dBuV]	Line	Correction Factor [dB/m]	Quasi Peak Margin [dBuV]	Quasi Peak Limit [dBuV]	CAV Margin [dBuV]	CAV Limit [dBuV]
0.17	-	-	12.08	22.18	L1	10.10	-	-	32.69	54.87
0.17	30.18	40.28	-	-	L1	10.10	24.58	64.87	-	-
0.24	29.25	39.05	-	-	N	9.80	23.12	62.17	-	-
0.24	-	-	11.09	20.89	N	9.80	-	-	31.28	52.17
0.66	20.19	30.29	-	-	N	10.10	25.71	56.00	-	-
0.66	-	-	10.22	20.32	N	10.10	-	-	25.68	46.00
8.70	24.02	34.12	-	-	L1	10.10	25.88	60.00	-	-
8.70	-	-	13.62	23.72	L1	10.10	-	-	26.28	50.00
12.38	30.63	40.93	-	-	L1	10.30	19.07	60.00	-	-
12.38	-	-	21.72	32.02	L1	10.30	-	-	17.98	50.00
16.33	-	-	12.49	22.99	N	10.50	-	-	27.01	50.00
16.33	24.41	34.91	-	-	N	10.50	25.09	60.00	-	-

**Remarks**

- Final Value (QP and/or CAV) = Reading Value (QP and/or CAV) + Corr. (LISN Insertion Loss + Cable Loss)  
Margin (QP and/or CAV) = Limit – Final Value (QP and/or CAV)  
QP = Quasi-Peak, CAV = CISPR-Average, Corr. = Correction Factor
- Two graphs measured for both Live (L1) and Neutral (N) of the LISN are combined into one graph.

**SISO\_ANT2\_2.4 GHz WLAN\_802.11b\_2412**



Frequency [MHz]	Quasi Peak Reading Value [dBuV]	Quasi Peak Result [dBuV]	CAV Reading Value [dBuV]	CAV Result [dBuV]	Line	Correction Factor [dB/m]	Quasi Peak Margin [dBuV]	Quasi Peak Limit [dBuV]	CAV Margin [dBuV]	CAV Limit [dBuV]
0.15	-	-	12.72	22.72	L1	10.00	-	-	33.04	55.76
0.15	33.06	43.06	-	-	L1	10.00	22.70	65.76	-	-
0.18	32.97	43.07	-	-	N	10.10	21.39	64.45	-	-
0.18	-	-	14.62	24.72	N	10.10	-	-	29.73	54.45
0.65	-	-	16.04	26.14	L1	10.10	-	-	19.86	46.00
0.65	24.16	34.26	-	-	L1	10.10	21.74	56.00	-	-
8.98	25.37	35.47	-	-	L1	10.10	24.53	60.00	-	-
8.98	-	-	14.34	24.44	L1	10.10	-	-	25.56	50.00
12.68	-	-	22.71	33.01	L1	10.30	-	-	16.99	50.00
12.68	32.04	42.34	-	-	L1	10.30	17.66	60.00	-	-
16.46	-	-	14.87	25.27	L1	10.40	-	-	24.73	50.00
16.46	24.55	34.95	-	-	L1	10.40	25.05	60.00	-	-

**Remarks**

- Final Value (QP and/or CAV) = Reading Value (QP and/or CAV) + Corr. (LISN Insertion Loss + Cable Loss)  
Margin (QP and/or CAV) = Limit - Final Value (QP and/or CAV)  
QP = Quasi-Peak, CAV = CISPR-Average, Corr. = Correction Factor
- Two graphs measured for both Live (L1) and Neutral (N) of the LISN are combined into one graph.



## Appendix – Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services Korea. Our laboratories are FCC recognized accredited test firms and accredited and approved according to ISO/IEC 17025.

**Test Firm Name : BV CPS ADT Korea Ltd.**

**Address : Innoplex No.2 106, Sinwon-ro 306, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16675 KOREA**

**FCC**

**Designation Number : KR0158**

**Test Firm Registration Number : 666061**

**ISED**

**Designation Number : KR0158**

**Test Firm Registration Number : 25944**

If you have any comments, please feel free to contact us at the following:

**Email:** [Meyer.Shin@bureauveritas.com](mailto:Meyer.Shin@bureauveritas.com)

**Web Site:** [www.bureauveritas.co.kr/cps/eaw](http://www.bureauveritas.co.kr/cps/eaw)

The address and road map of all our labs can be found in our web site also.

**- End of report -**