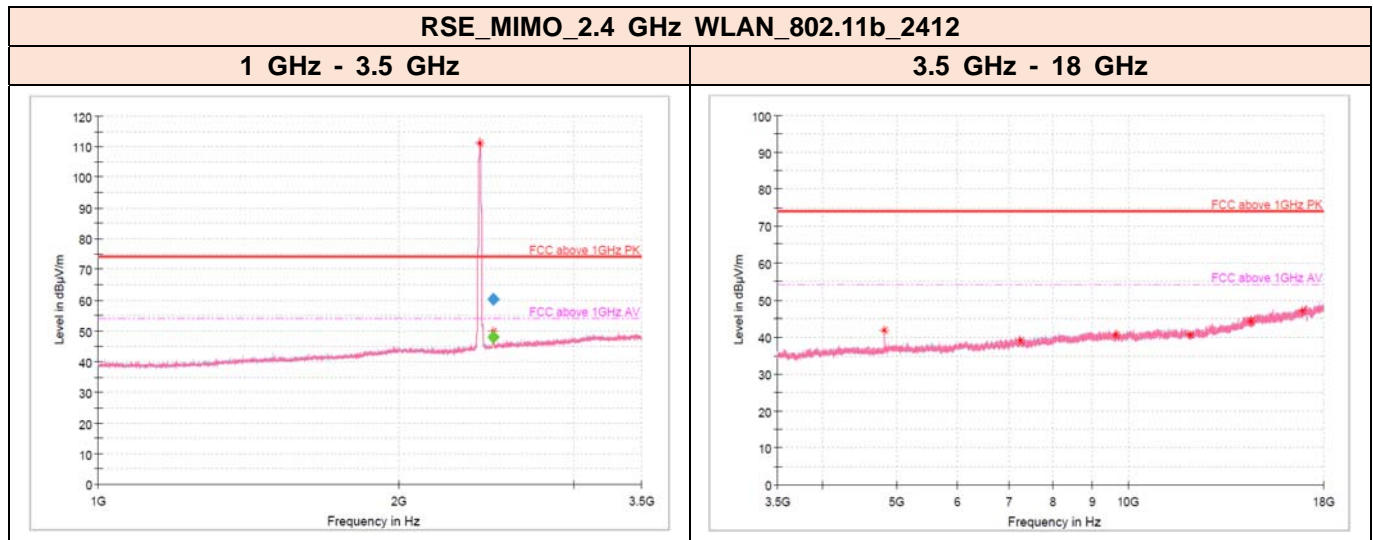




3.5.5.3 Radiated Emissions (Above 1 GHz)



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

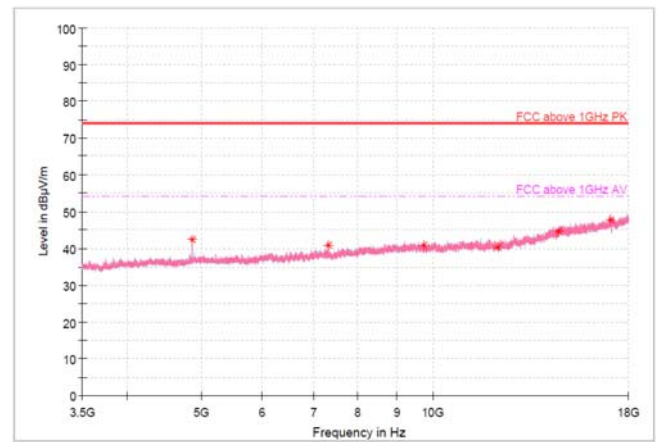
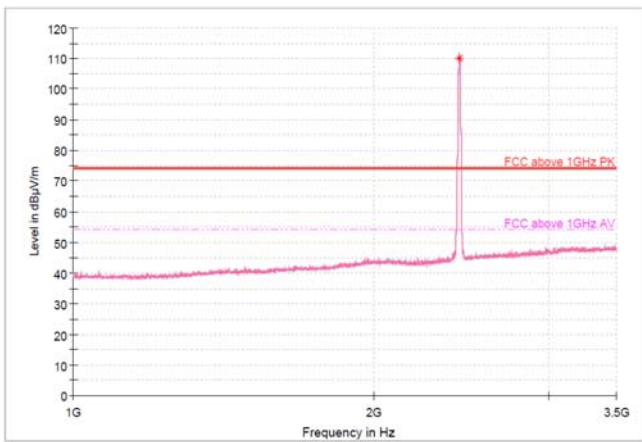
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier 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	-	-

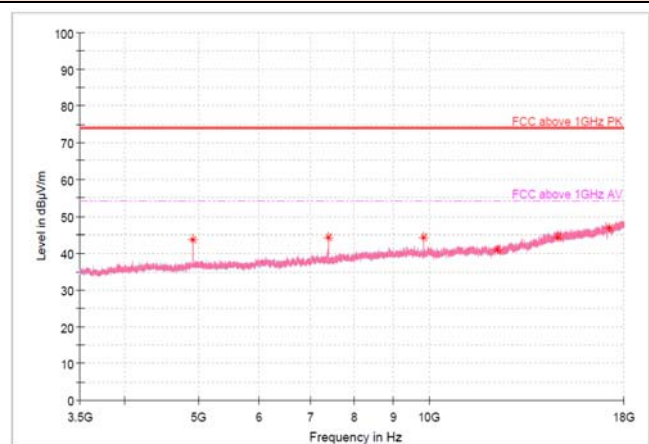
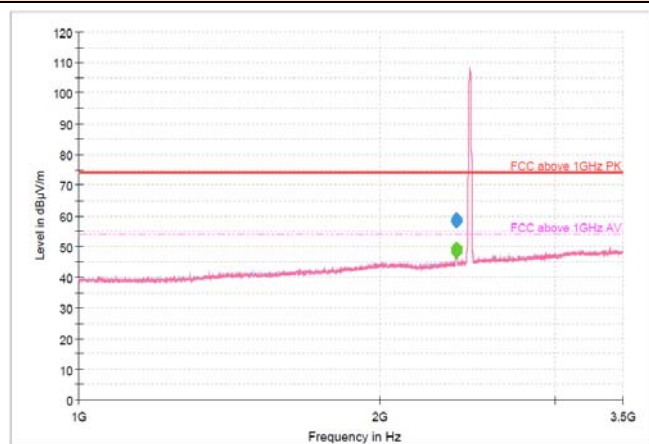
Remarks

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	-	-

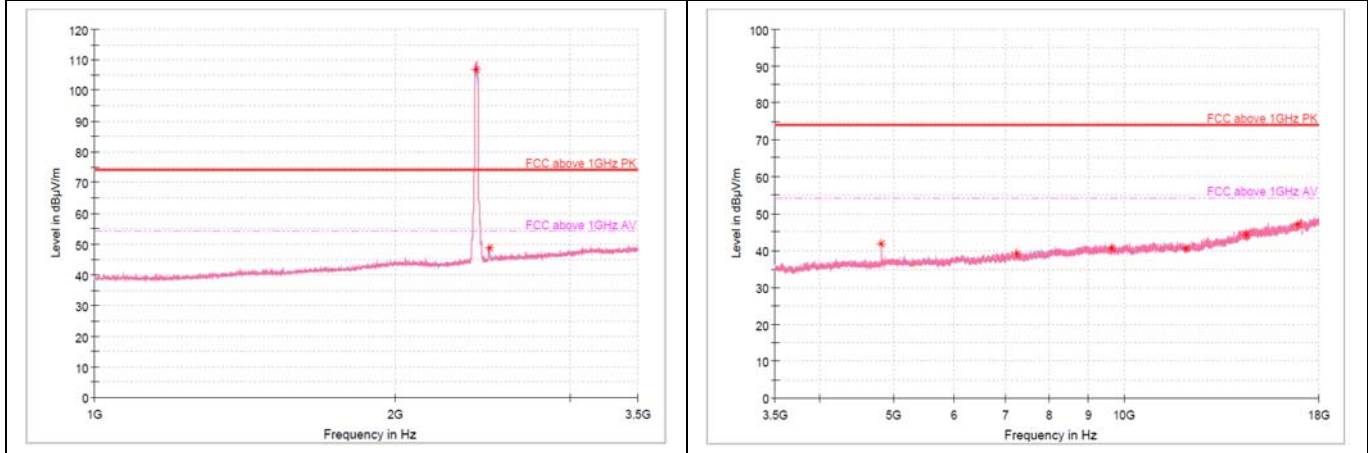
Remarks

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]
4 824.33	58.42	35.72	-	-	-	1 000	100	H	184	-22.70	38.28	74.00	-	-
7 236.17	58.71	39.51	-	-	-	1 000	100	V	105	-19.20	34.49	74.00	-	-
9 648.00	55.85	39.75	-	-	-	1 000	100	H	158	-16.10	34.25	74.00	-	-
12 060.32	55.11	41.31	-	-	-	1 000	400	V	27	-13.80	32.69	74.00	-	-
14 472.15	55.56	43.46	-	-	-	1 000	100	V	331	-12.10	30.54	74.00	-	-
16 884.47	53.35	45.05	-	-	-	1 000	200	V	348	-8.30	28.95	74.00	-	-

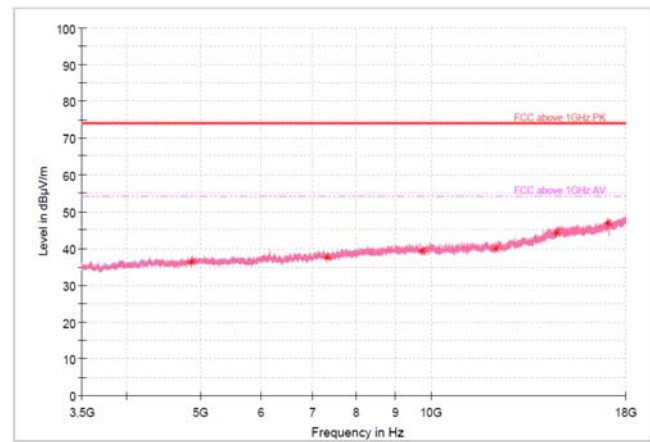
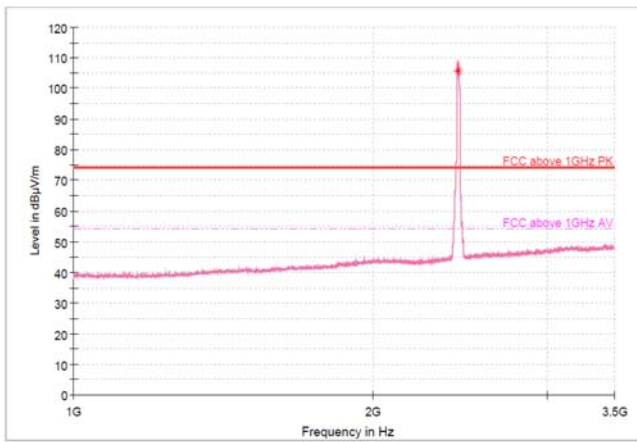
Remarks

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

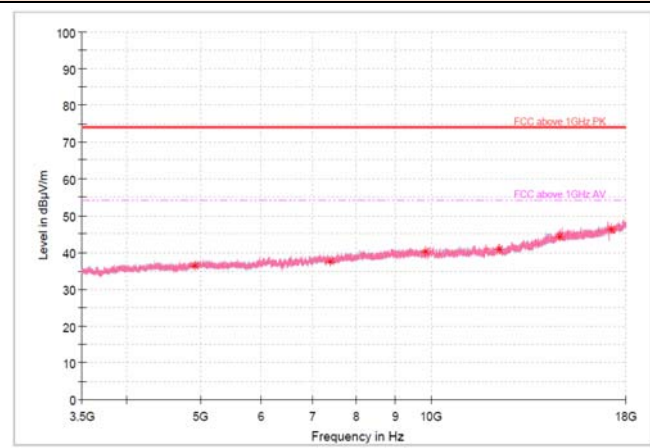
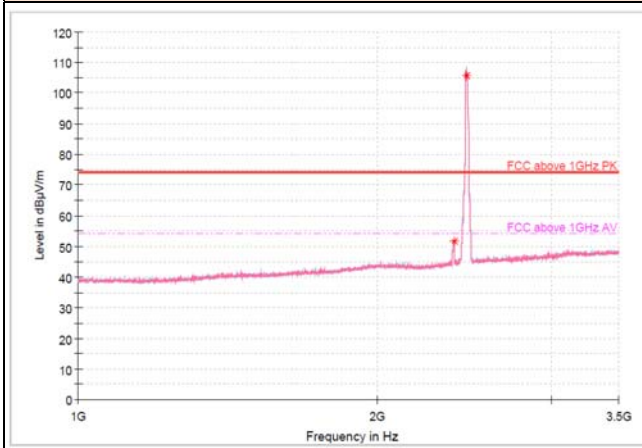
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier 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



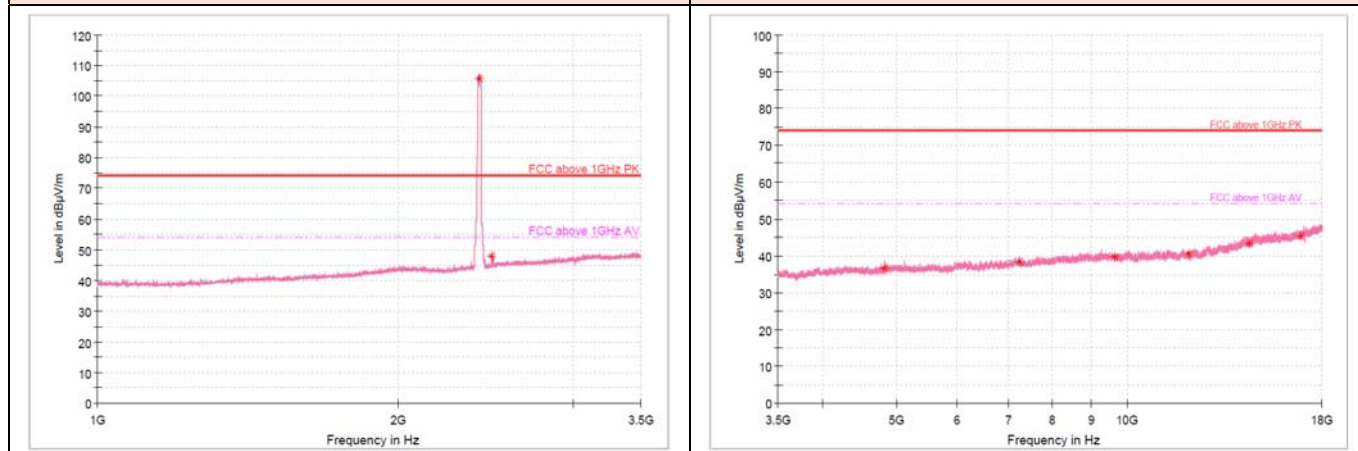
Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
2 392.50	42.73	51.83	-	-	-	1 000	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

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]
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	-	-

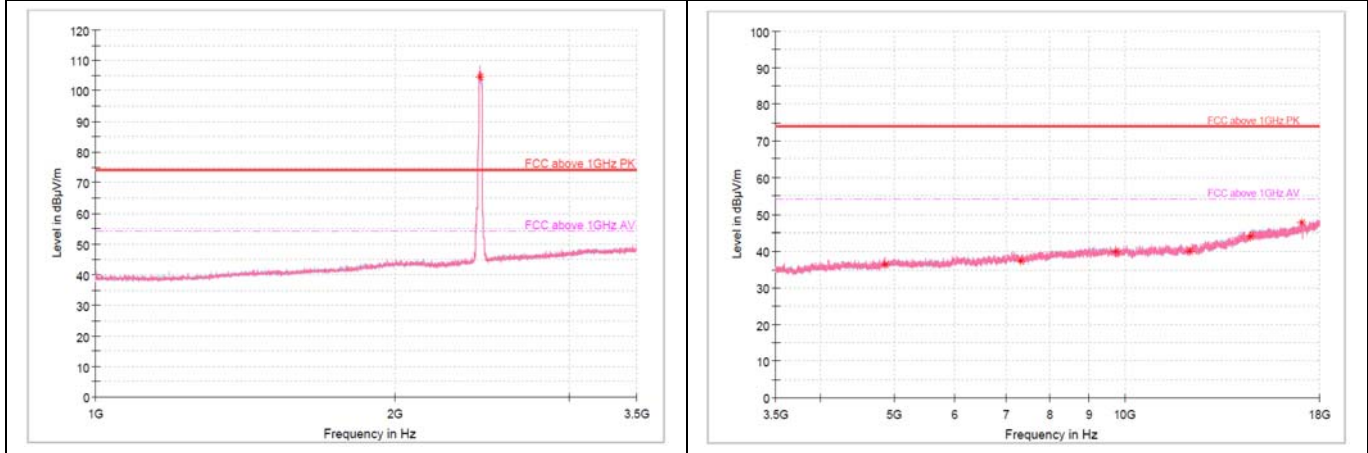
Remarks

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

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



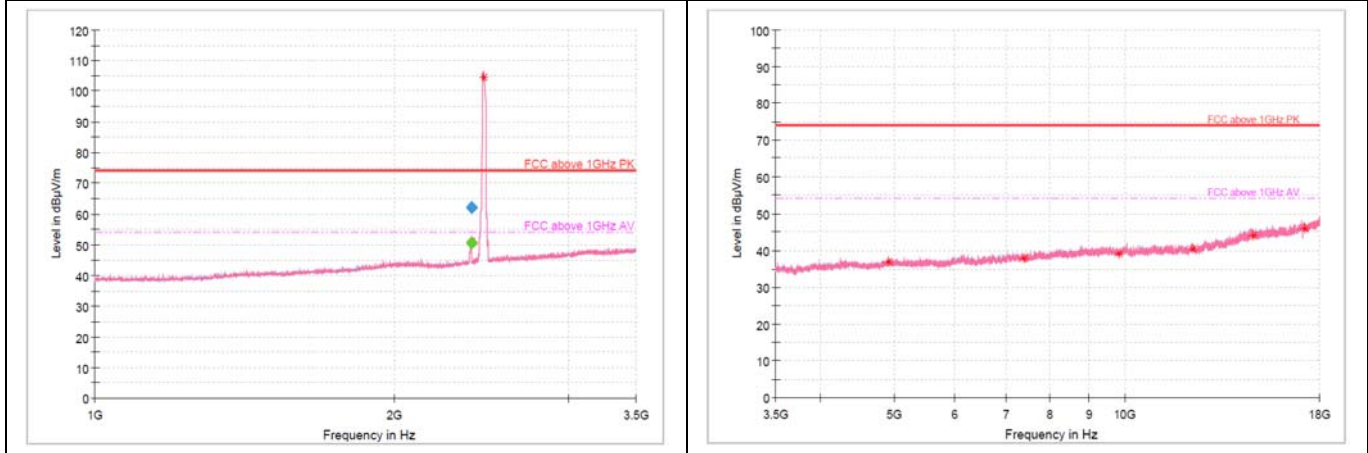
Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
4874.12	58.85	36.45	-	-	-	1 000	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

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



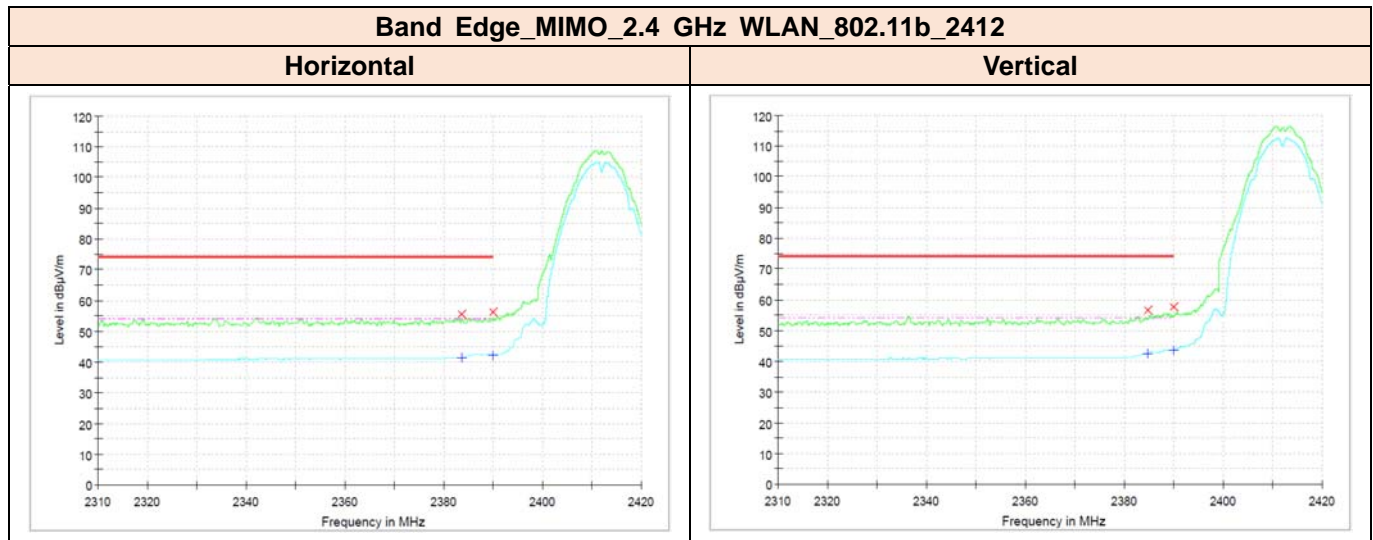
Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
2 393.00	-	-	41.51	50.61	-	1 000	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

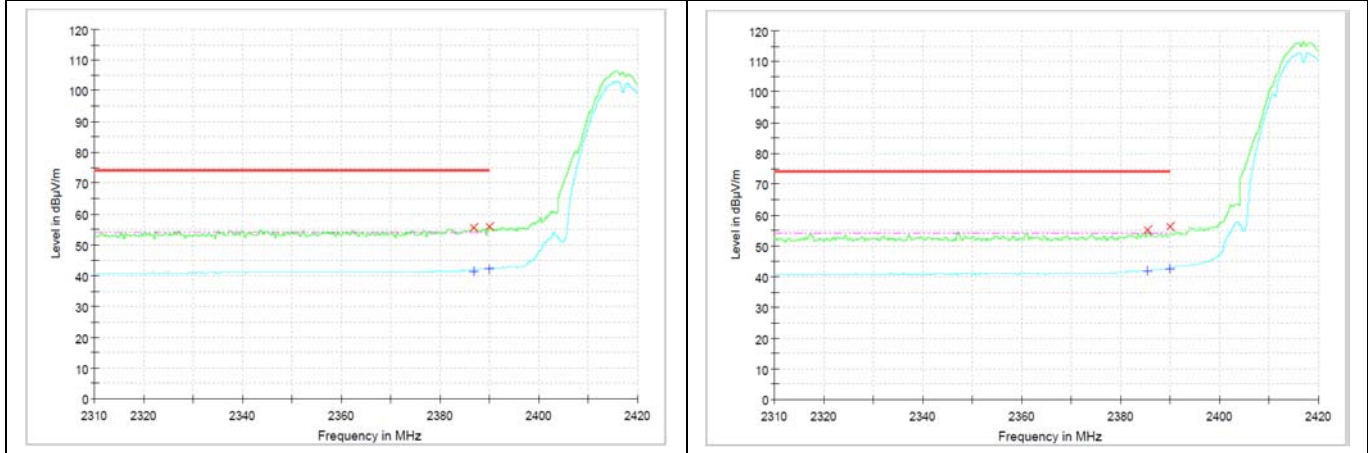
Remarks

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

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	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

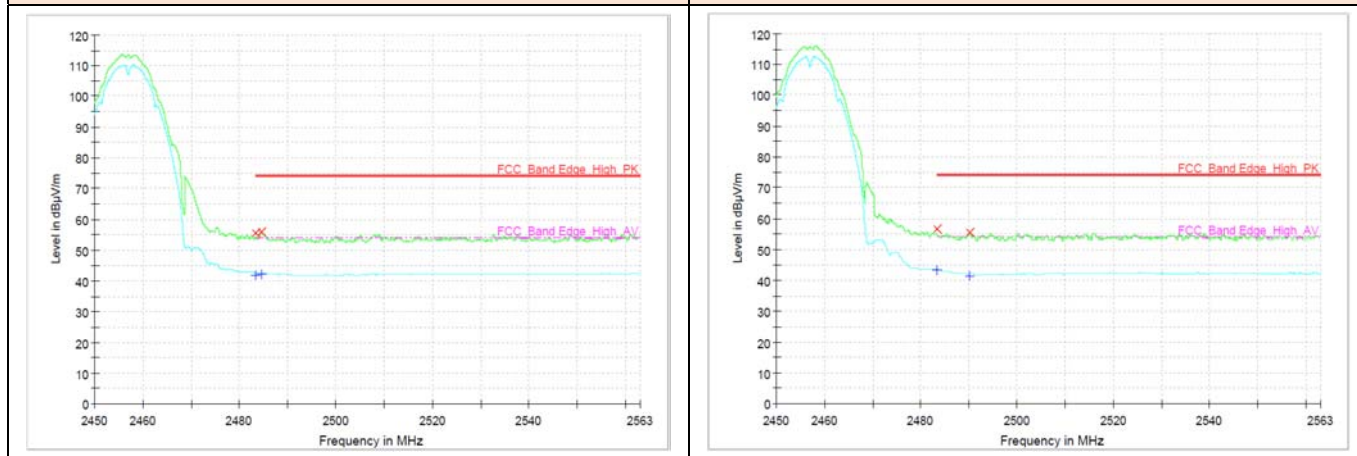
Remarks

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_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	45.90	55.60	32.20	41.90		1 000	151	H	182	9.70	18.40	74.00	12.10	54.00
2484.57	46.00	55.70	32.60	42.30		1 000	118	H	189	9.70	18.30	74.00	11.70	54.00
2483.50	47.00	56.70	33.50	43.20		1 000	400	V	181	9.70	17.30	74.00	10.90	54.00
2490.25	45.70	55.40	32.00	41.70		1 000	400	V	186	9.70	18.60	74.00	12.40	54.00

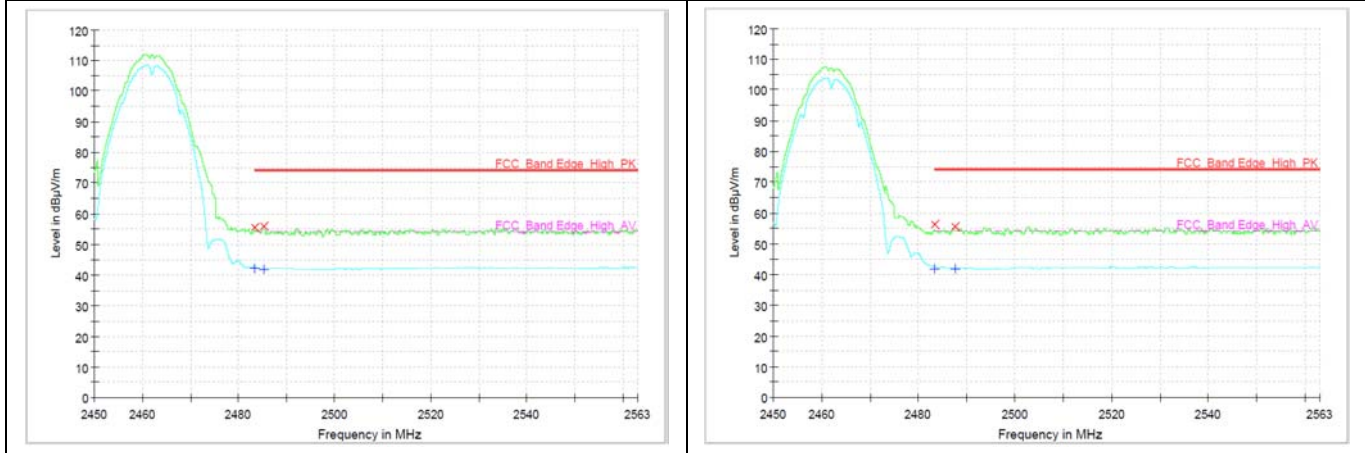
Remarks

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_802.11b_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	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

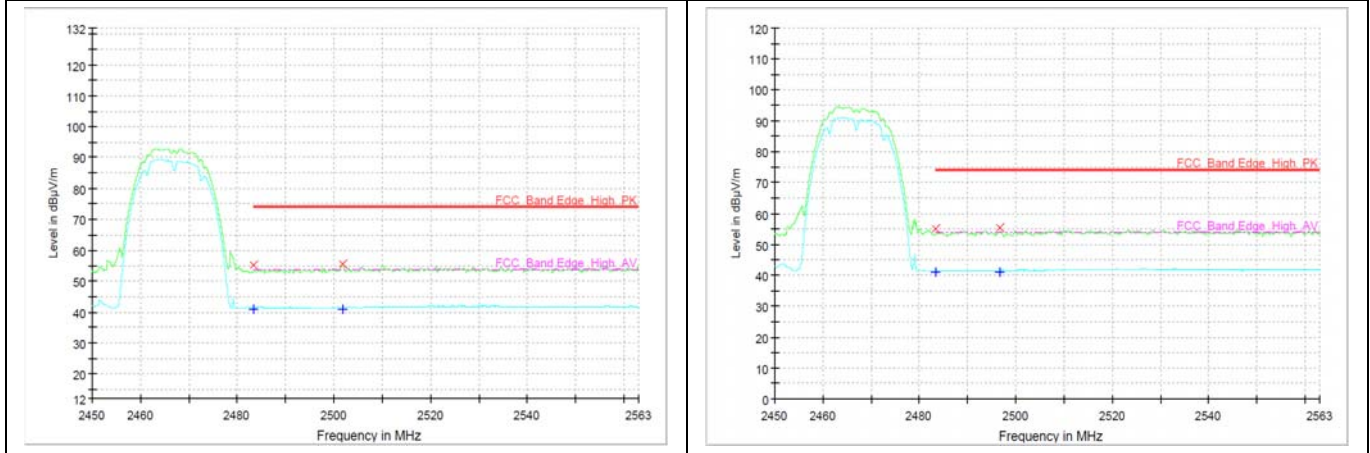
Remarks

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

Horizontal	Vertical
-------------------	-----------------



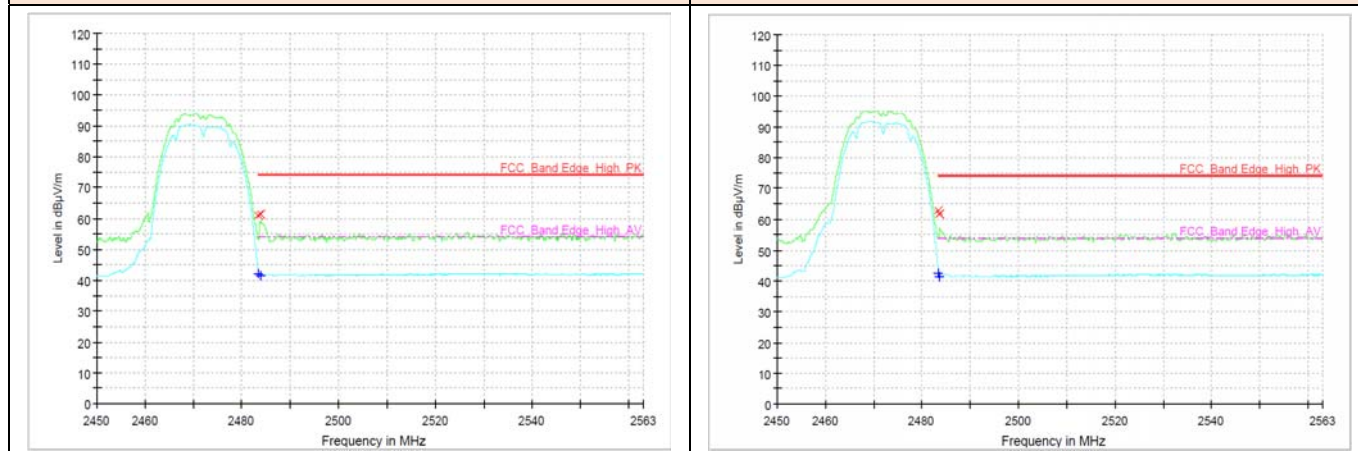
Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
2483.50	45.50	55.20	31.40	41.10		1 000	100	H	198	9.70	18.90	74.00	12.90	54.00
2501.87	45.80	55.60	31.30	41.10		1 000	186	H	198	9.80	18.50	74.00	12.90	54.00
2483.50	45.30	55.00	31.40	41.10		1 000	257	V	174	9.70	19.00	74.00	12.90	54.00
2496.65	45.70	55.50	31.20	41.00		1 000	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

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	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

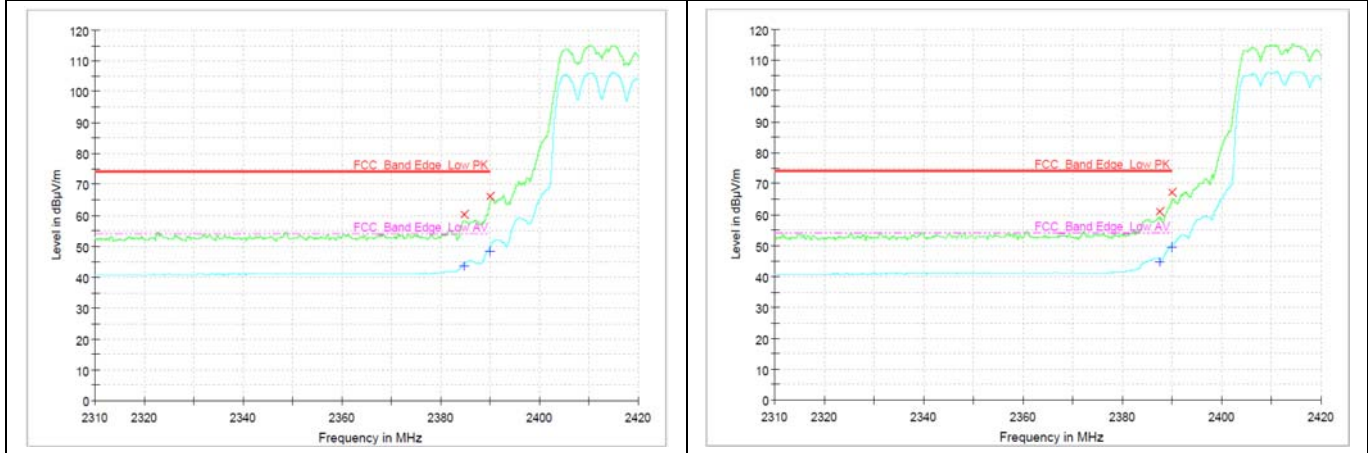
Remarks

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

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]
2 384.80	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

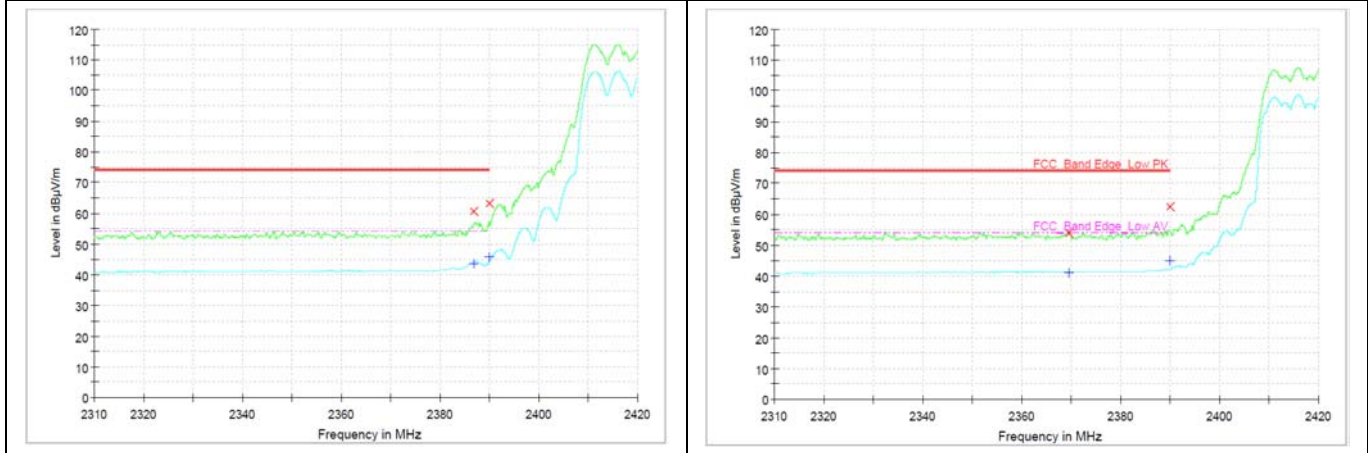
Remarks

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

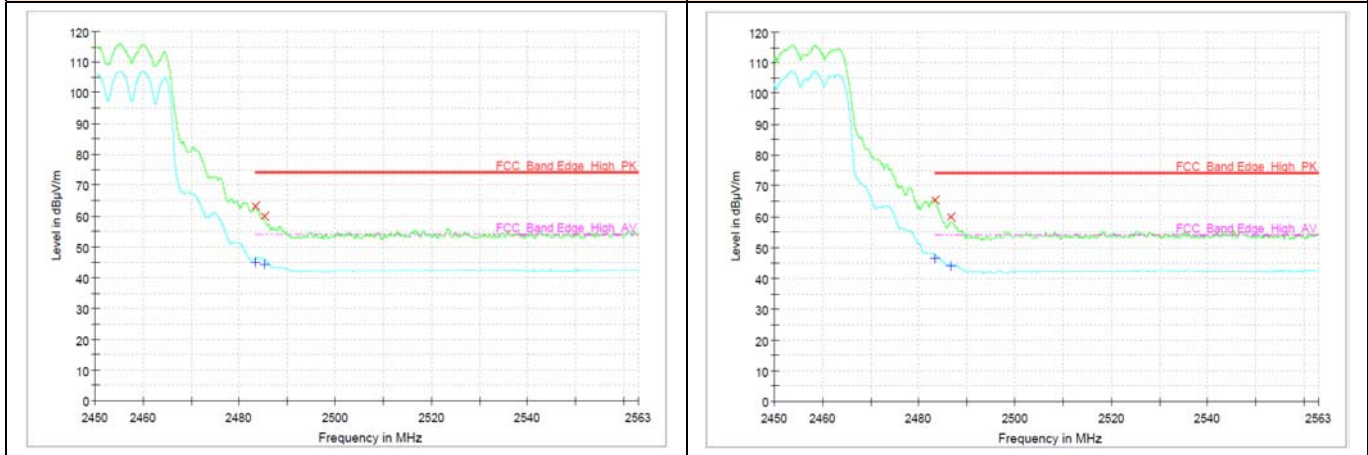
Remarks

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

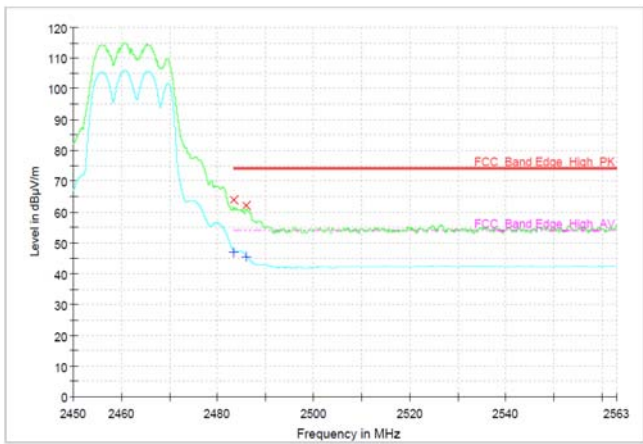
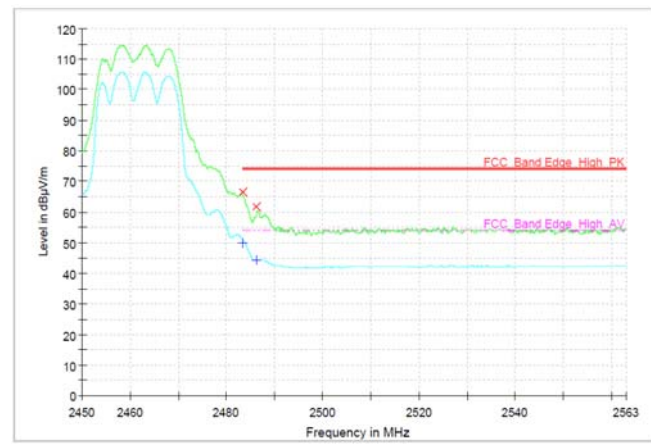
Horizontal	Vertical
-------------------	-----------------



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	53.60	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
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	54.00	63.70	37.20	46.90		1 000	144	H	187	9.70	10.30	74.00	7.20	54.00
2485.91	52.40	62.10	36.00	45.70		1 000	106	H	183	9.70	11.90	74.00	8.30	54.00
2483.50	56.80	66.50	40.30	50.00		1 000	379	V	186	9.70	7.50	74.00	4.00	54.00
2486.26	52.10	61.80	34.60	44.30		1 000	400	V	187	9.70	12.20	74.00	9.70	54.00

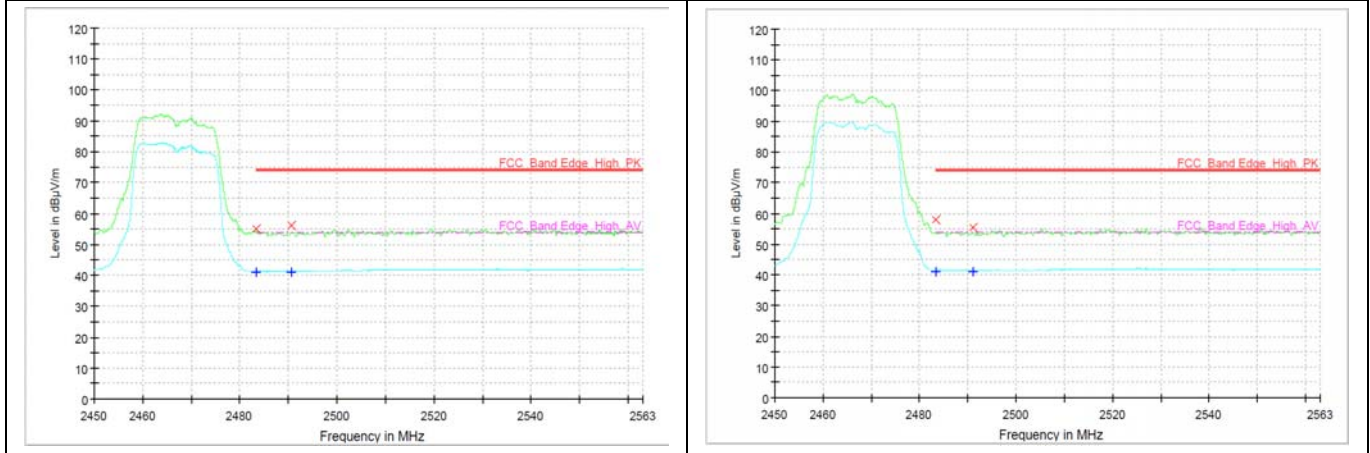
Remarks

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) = $10 \times \log(1/\text{Duty Cycle})$
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)



Band Edge_MIMO_2.4GHz WLAN_802.11g_2467

Horizontal	Vertical
-------------------	-----------------



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]
2483.50	45.20	54.90	31.30	41.00		1000	179	H	158	9.70	19.10	74.00	13.00	54.00
2490.70	46.40	56.10	31.30	41.00		1000	120	H	180	9.70	17.90	74.00	13.10	54.00
2483.50	48.50	58.20	31.50	41.20		1000	400	V	158	9.70	15.80	74.00	12.80	54.00
2491.19	45.50	55.20	31.30	41.00		1000	400	V	158	9.70	18.80	74.00	13.10	54.00

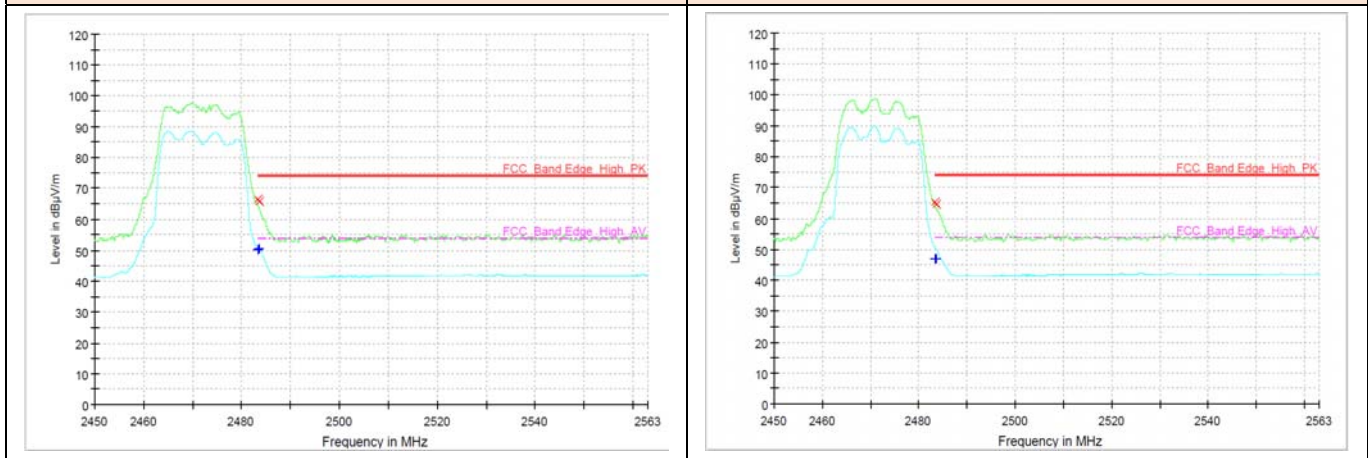
Remarks

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

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	56.50	66.20	40.50	50.20		1 000	179	H	167	9.70	7.80	74.00	3.80	54.00
2483.60	56.20	65.90	41.10	50.80		1 000	187	H	205	9.70	8.10	74.00	3.20	54.00
2483.50	55.70	65.40	37.20	46.90		1 000	400	V	179	9.70	8.60	74.00	7.10	54.00
2483.65	54.80	64.50	37.10	46.80		1 000	276	V	167	9.70	9.50	74.00	7.20	54.00

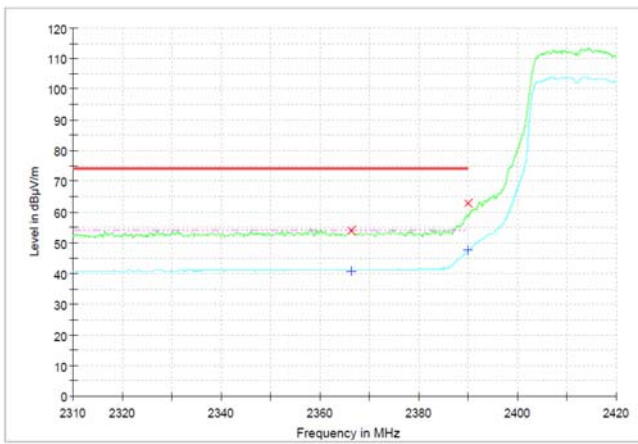
Remarks

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)

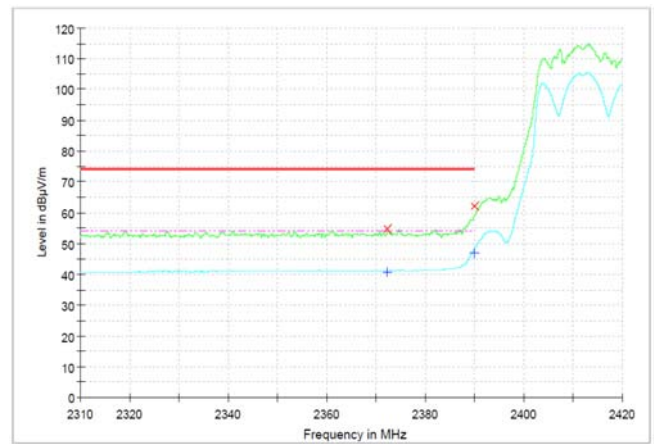


Band Edge_MIMO_2.4 GHz WLAN_802.11n(HT20)_2412

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

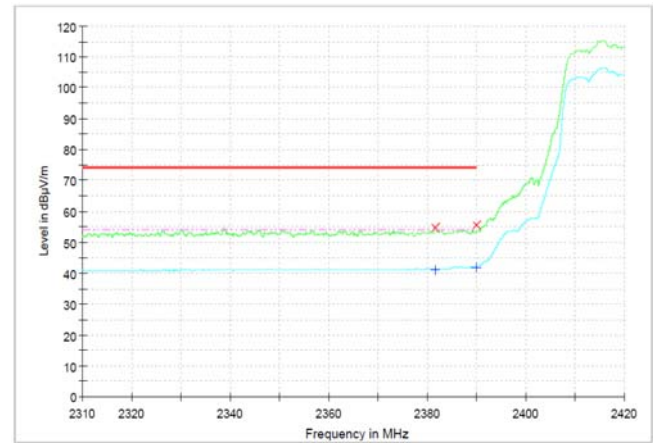
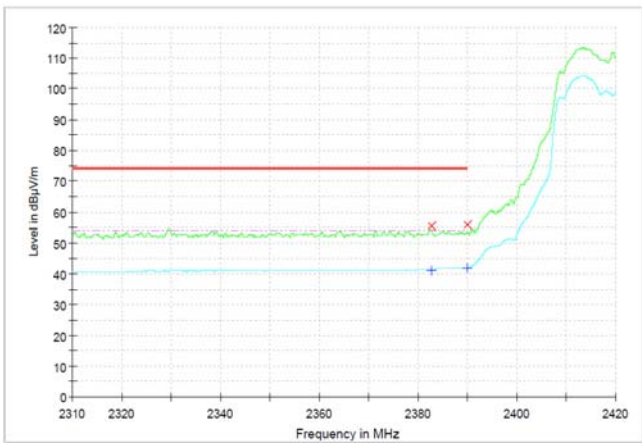
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier 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

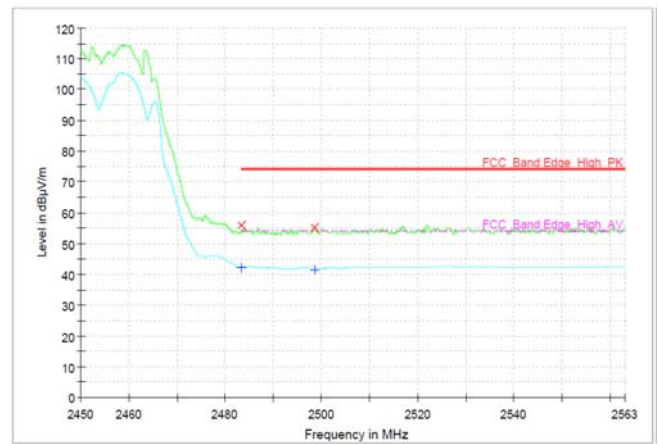
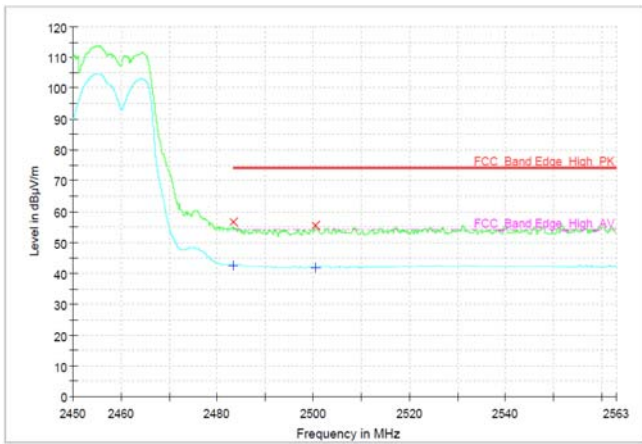
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier 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

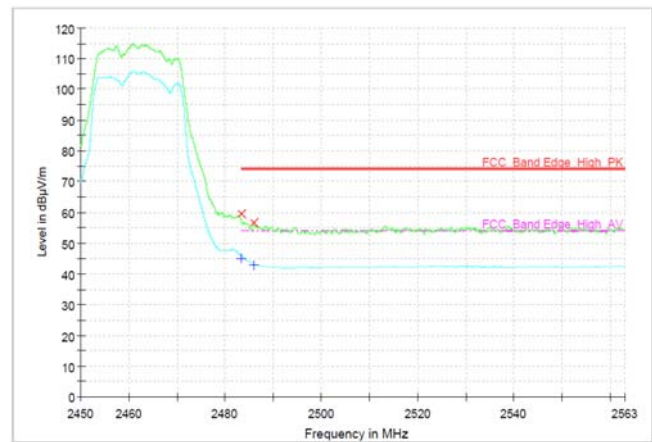
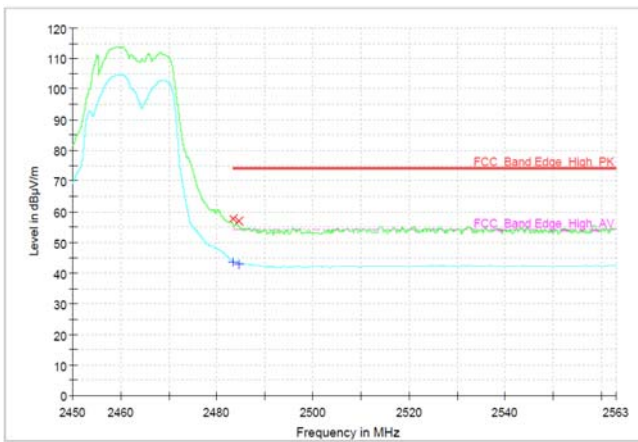
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier 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

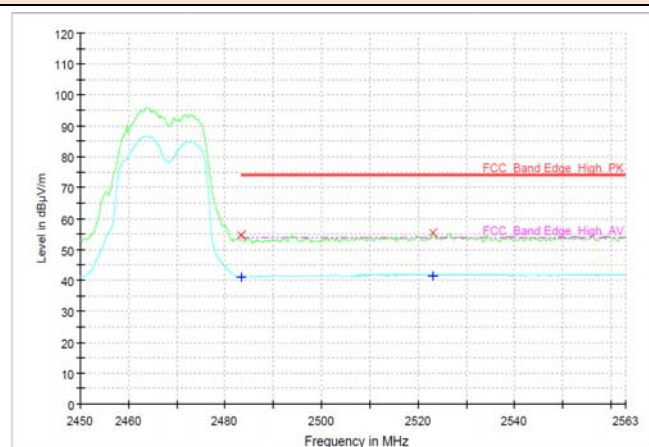
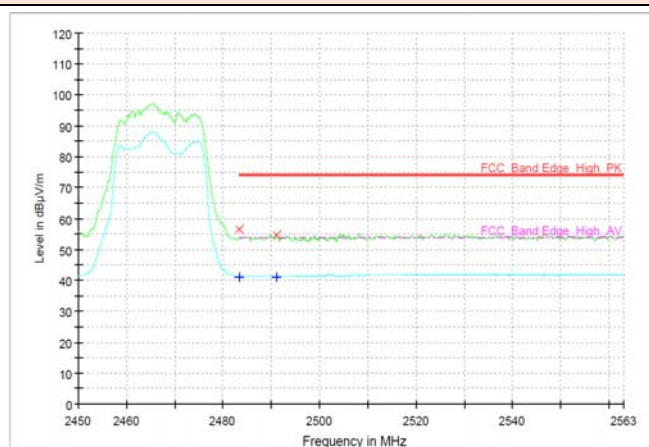
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier 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

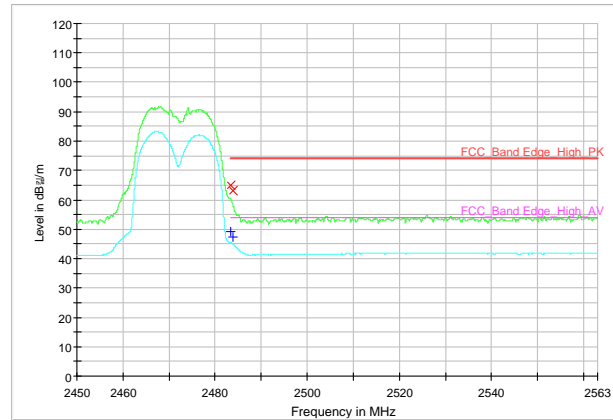
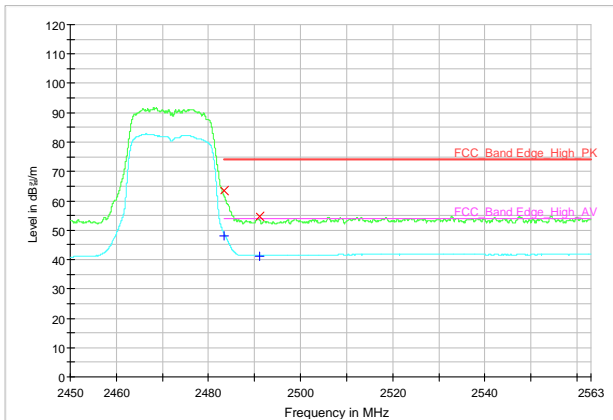
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier 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



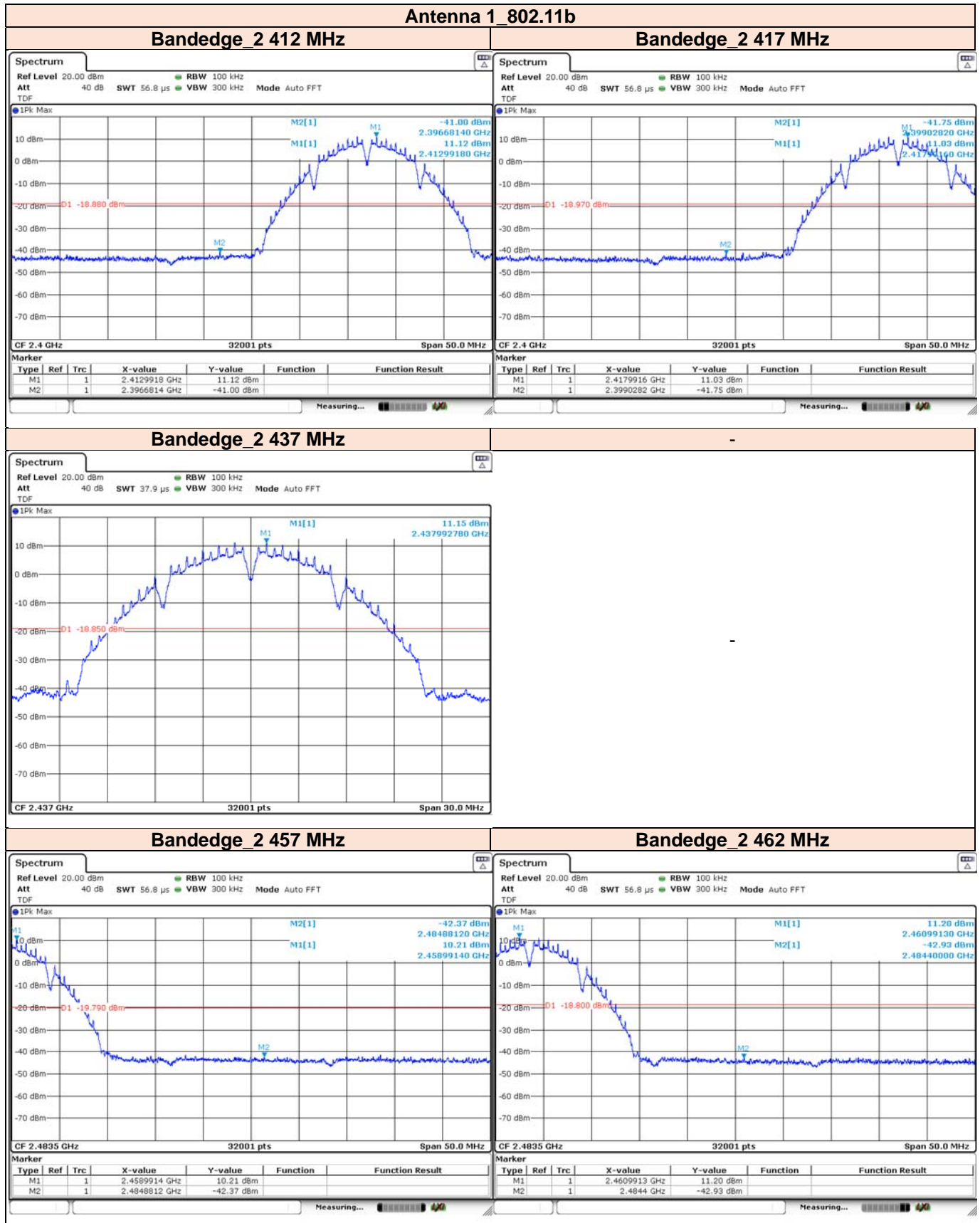
Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
2483.50	53.90	63.60	38.20	47.90		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

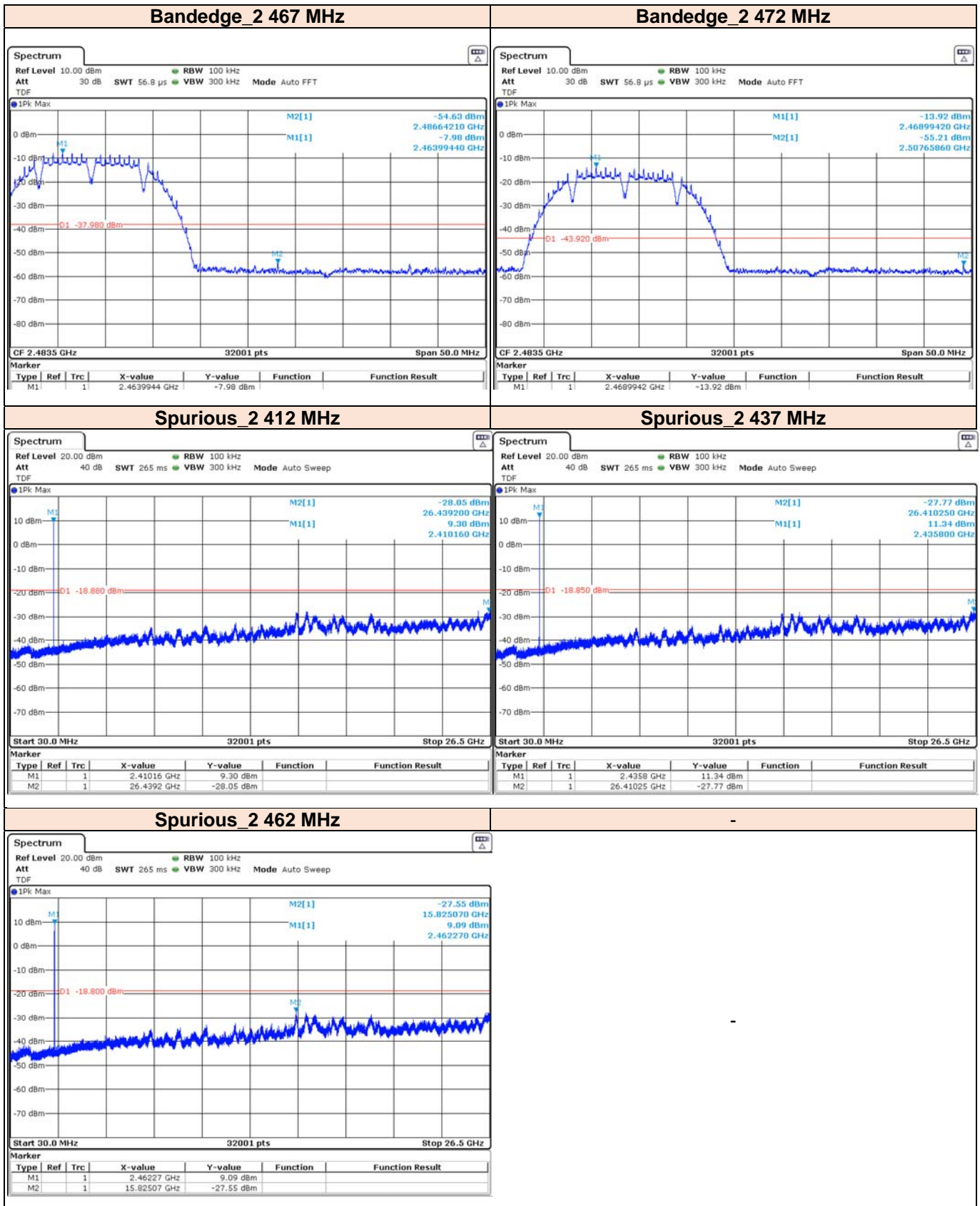
Remarks

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 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)



3.5.6 Test Result of Conducted Spurious Emission



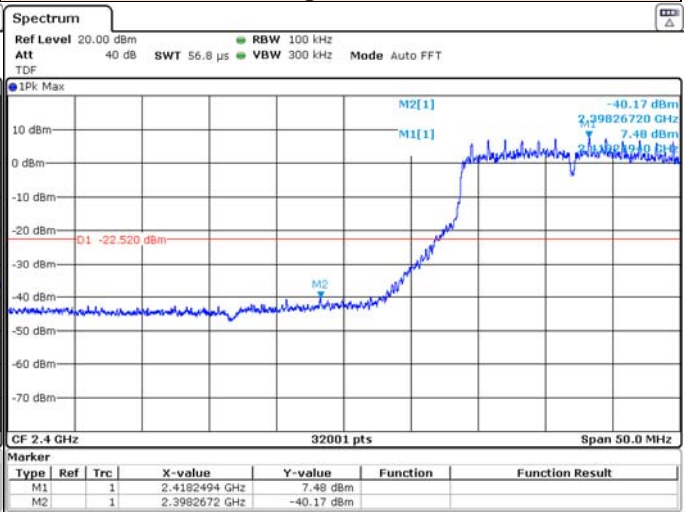
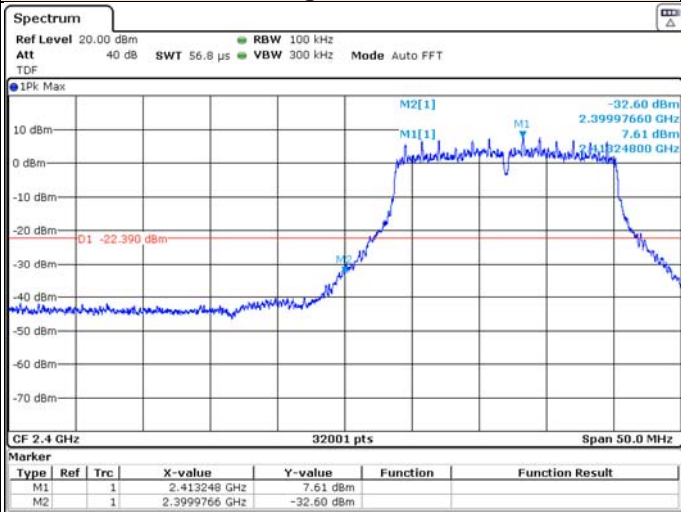




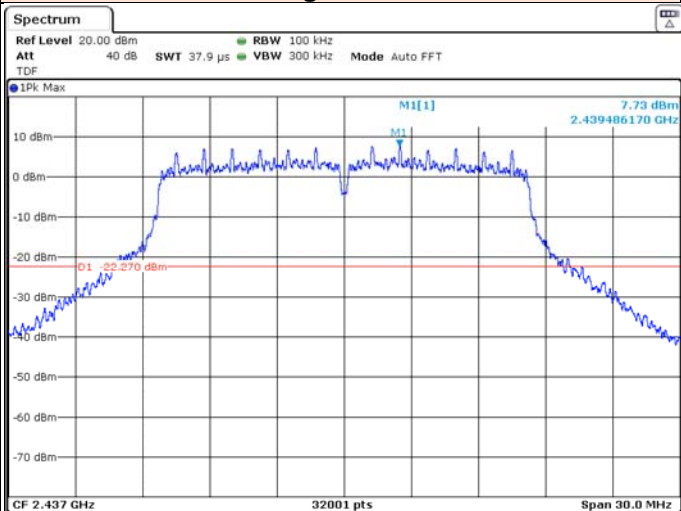
Antenna 1_802.11g

Bandedge_2 412 MHz

Bandedge_2 417 MHz

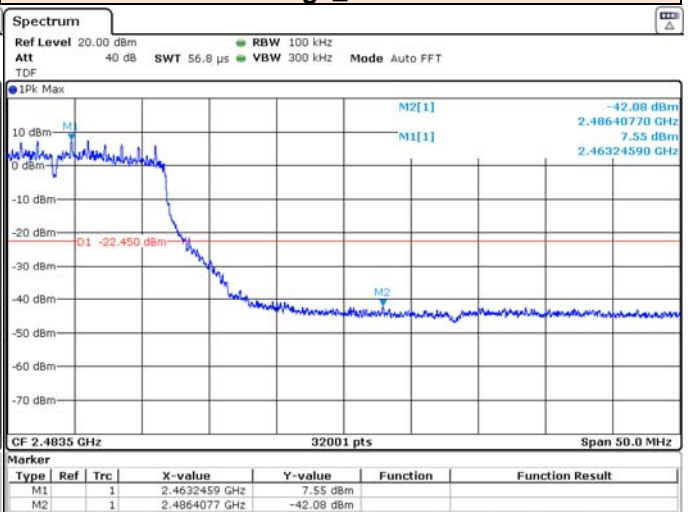
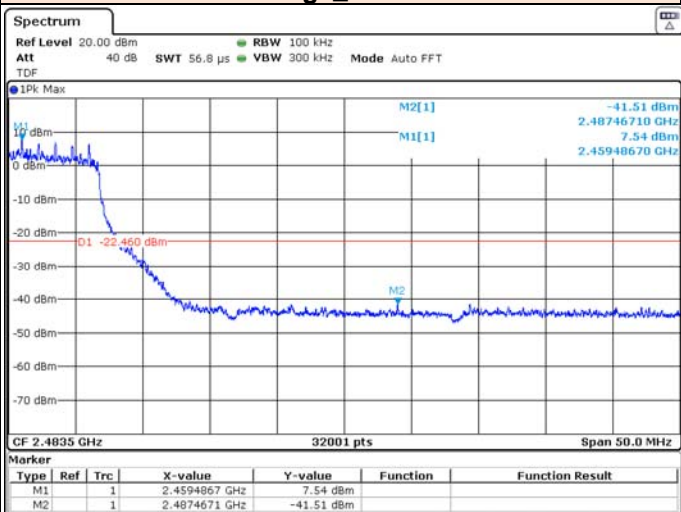


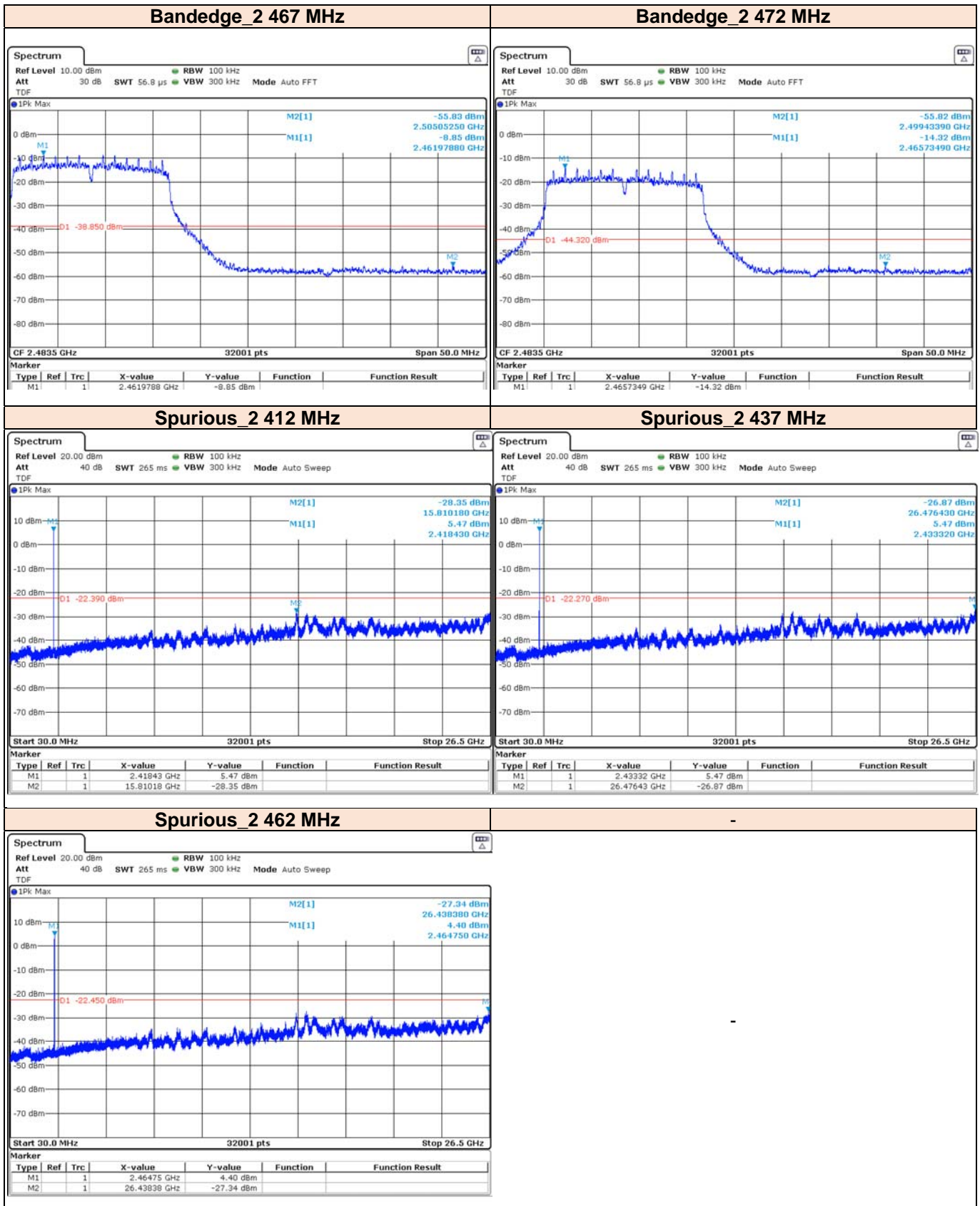
Bandedge_2 437 MHz



Bandedge_2 457 MHz

Bandedge_2 462 MHz



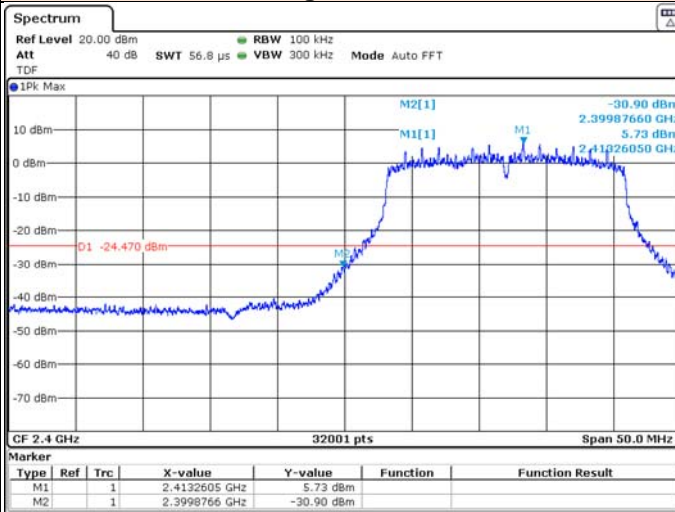




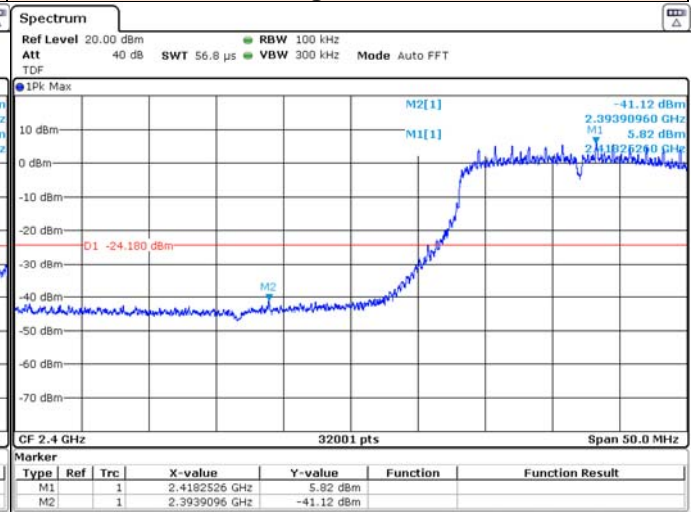
BUREAU VERITAS

Antenna 1_802.11n(HT20)

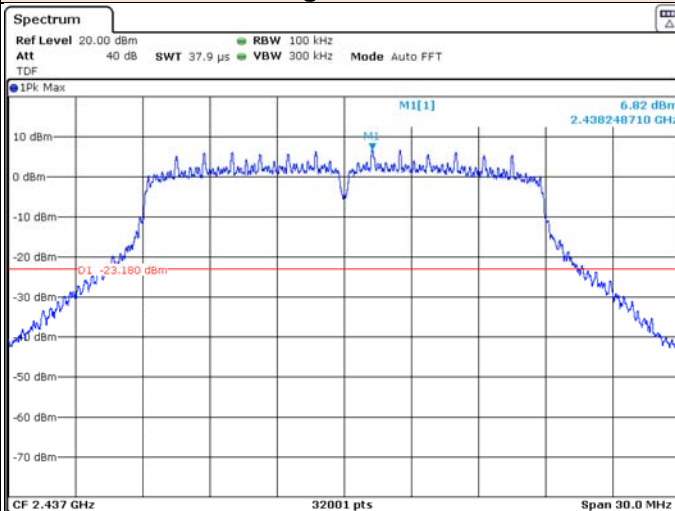
Bandedge_2 412 MHz



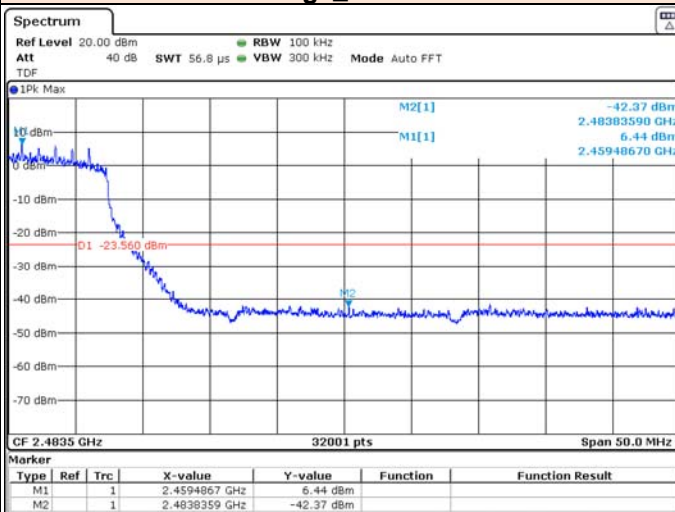
Bandedge_2 417 MHz



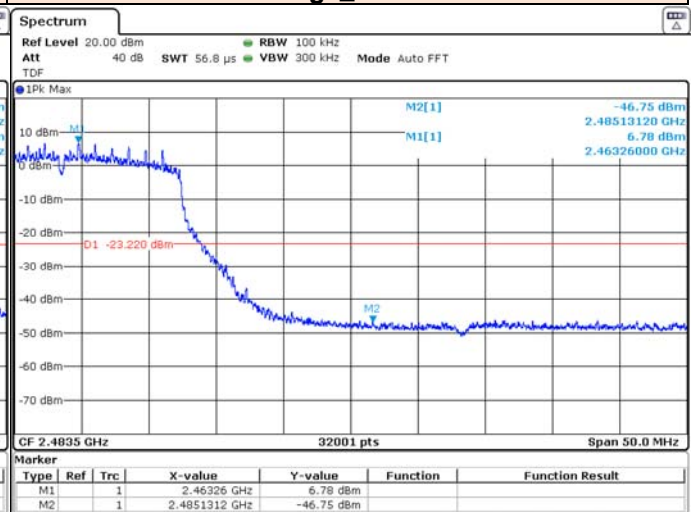
Bandedge_2 437 MHz

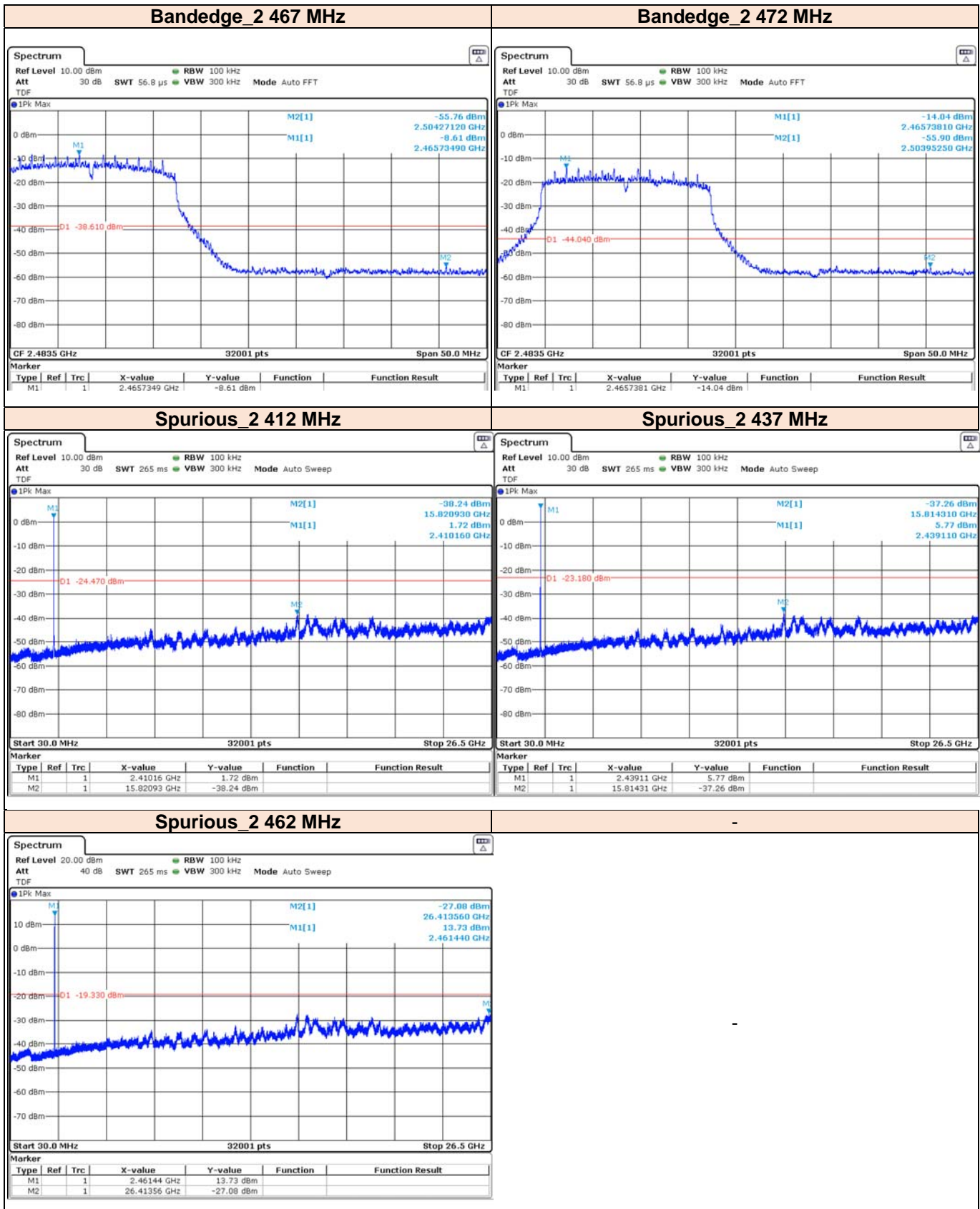


Bandedge_2 457 MHz



Bandedge_2 462 MHz



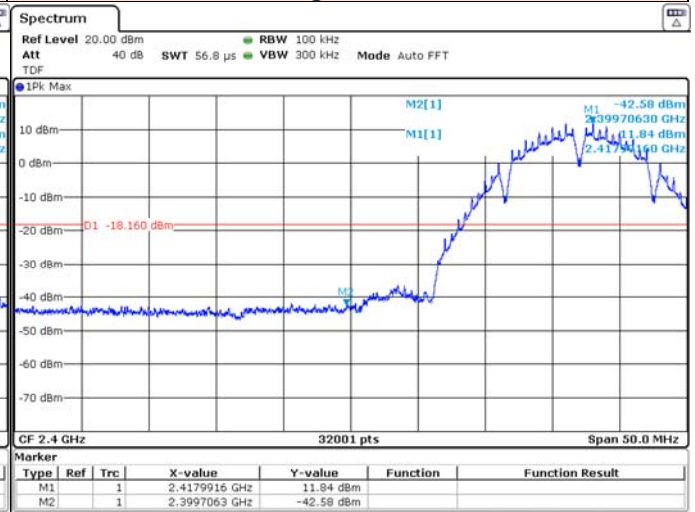
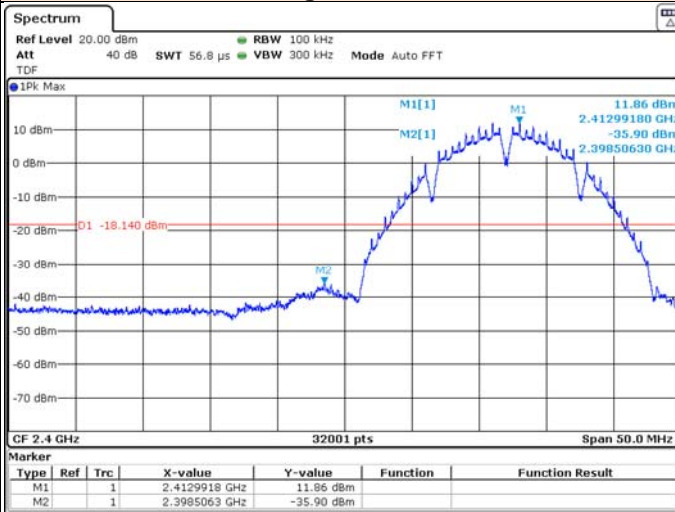




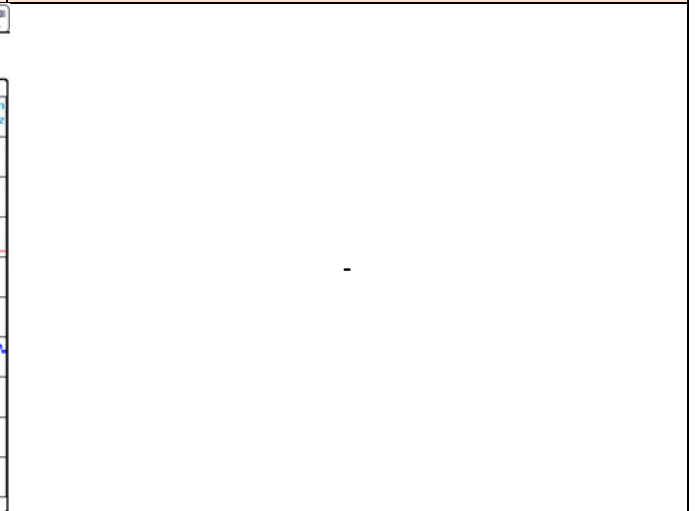
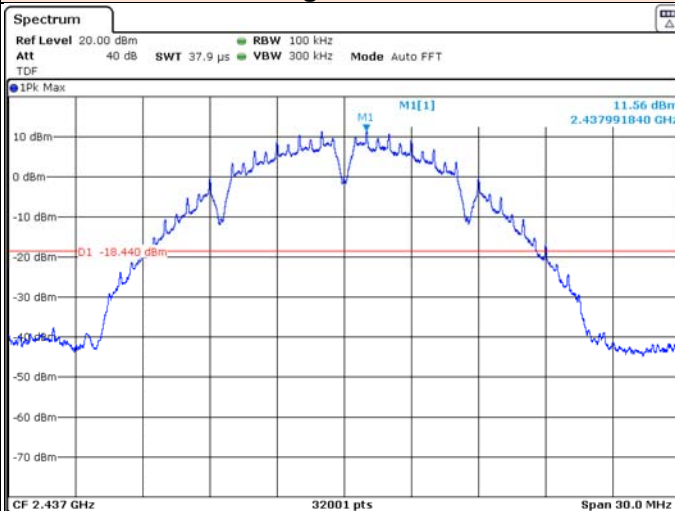
Antenna 2_802.11b

Bandedge_2 412 MHz

Bandedge_2 417 MHz

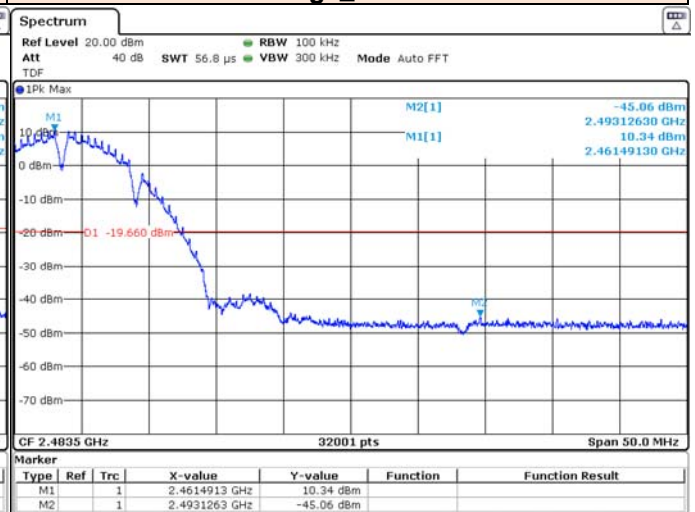
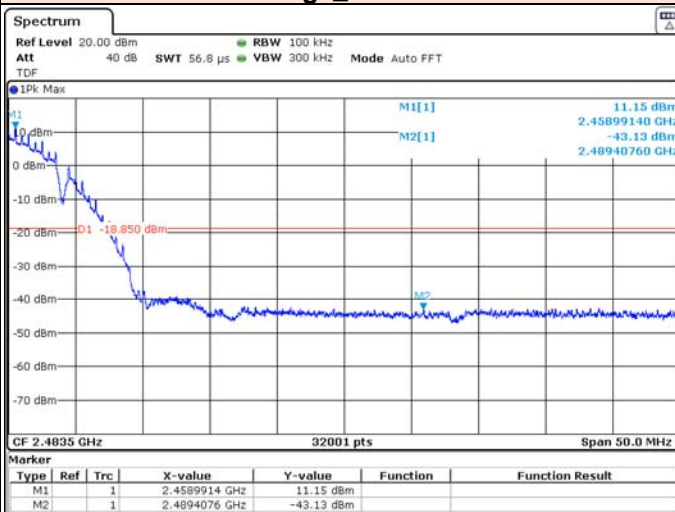


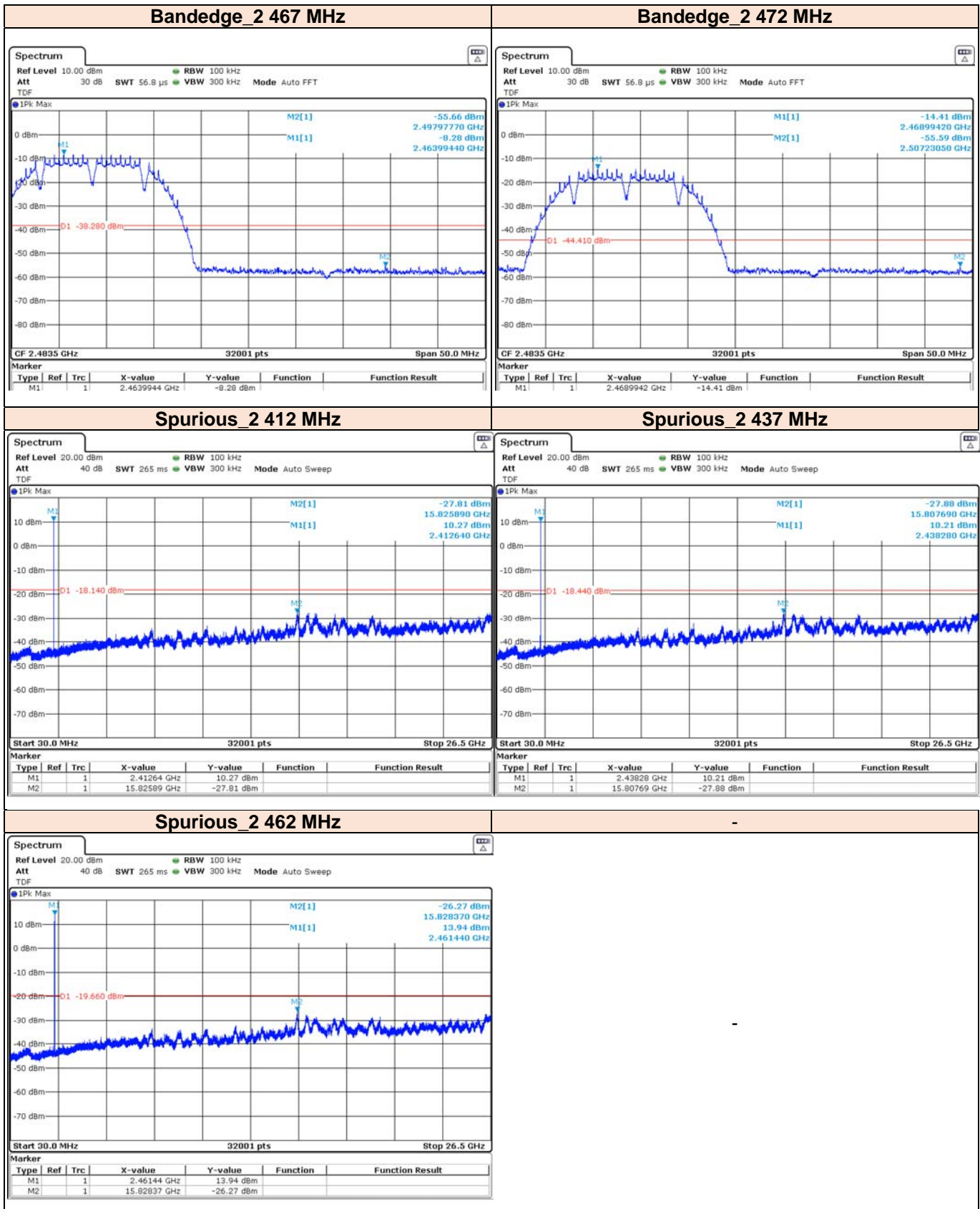
Bandedge_2 437 MHz



Bandedge_2 457 MHz

Bandedge_2 462 MHz



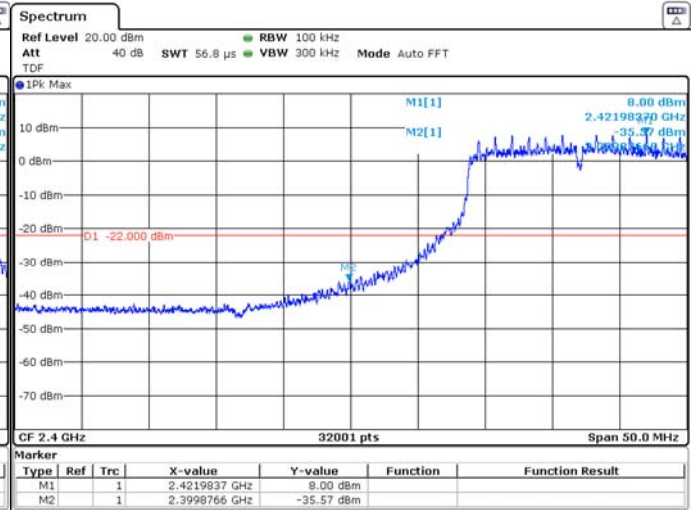
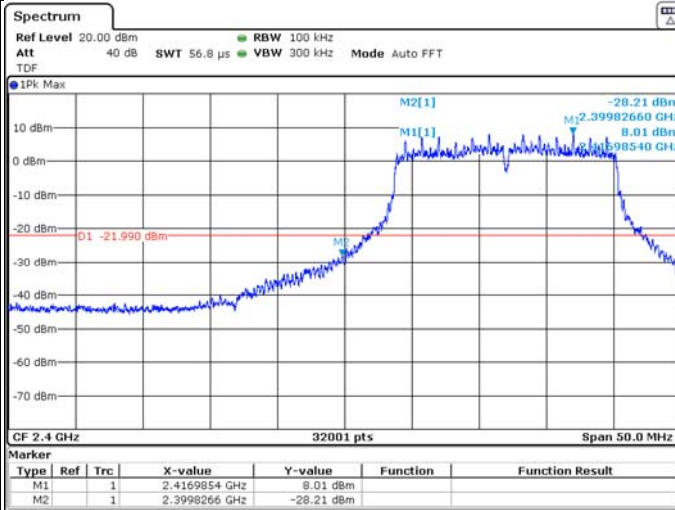




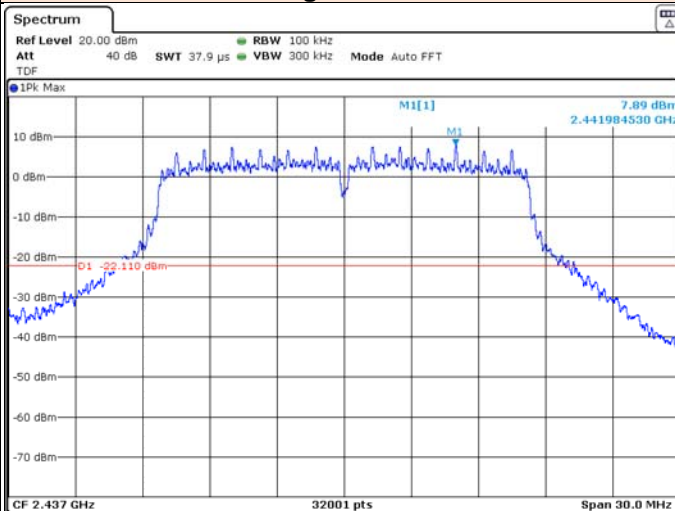
Antenna 2_802.11g

Bandedge_2 412 MHz

Bandedge_2 417 MHz

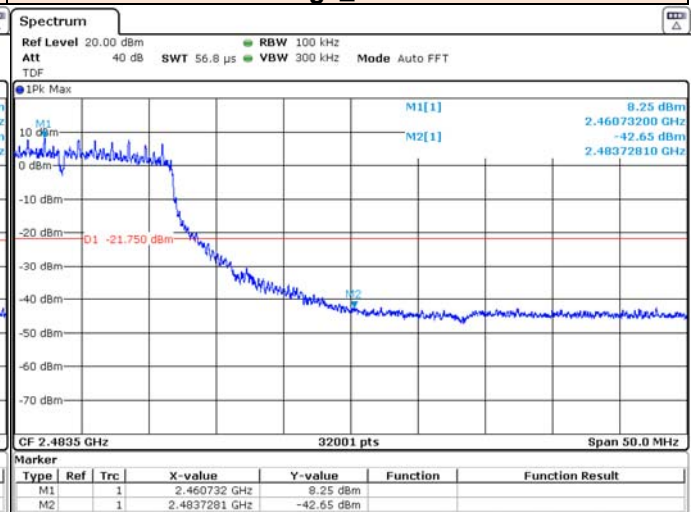
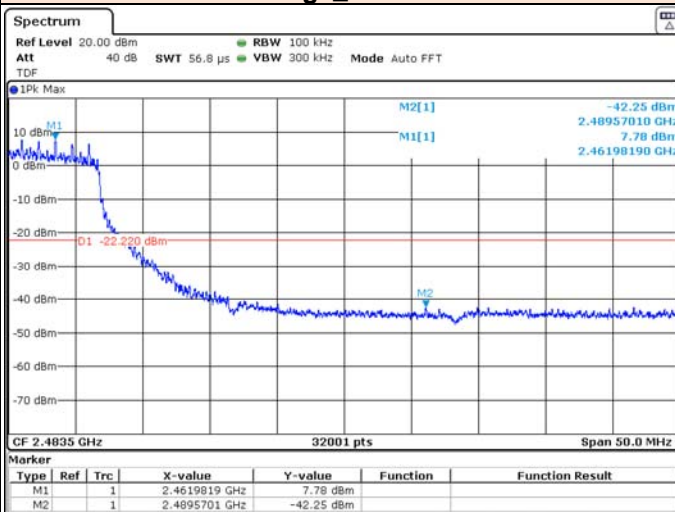


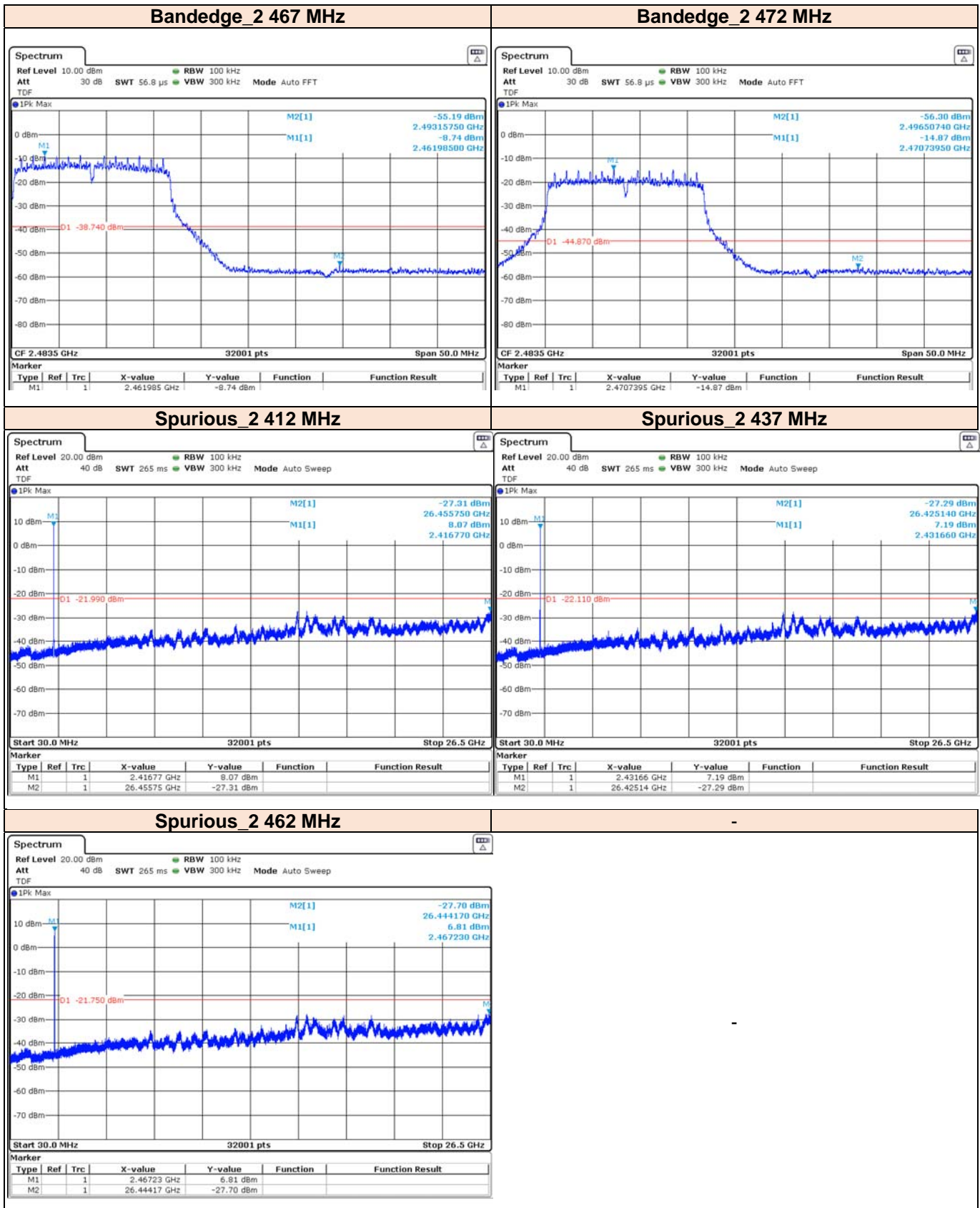
Bandedge_2 437 MHz



Bandedge_2 457 MHz

Bandedge_2 462 MHz

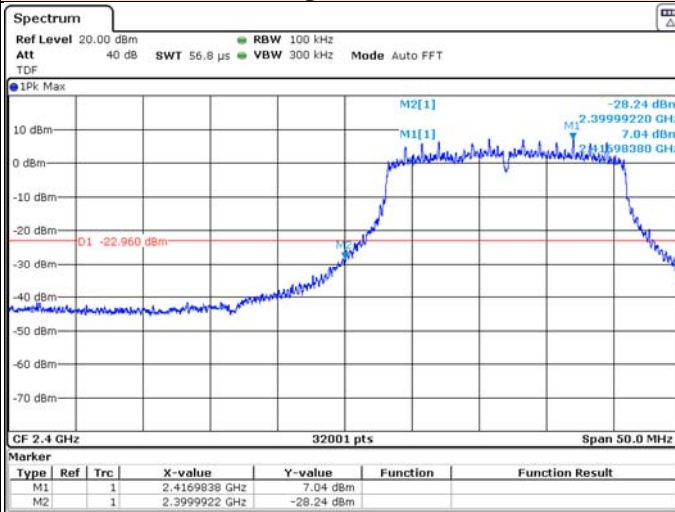




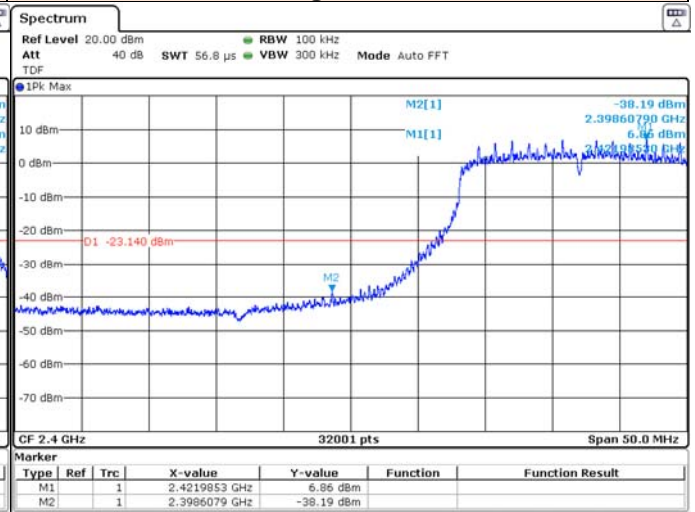


Antenna 2_802.11n(HT20)

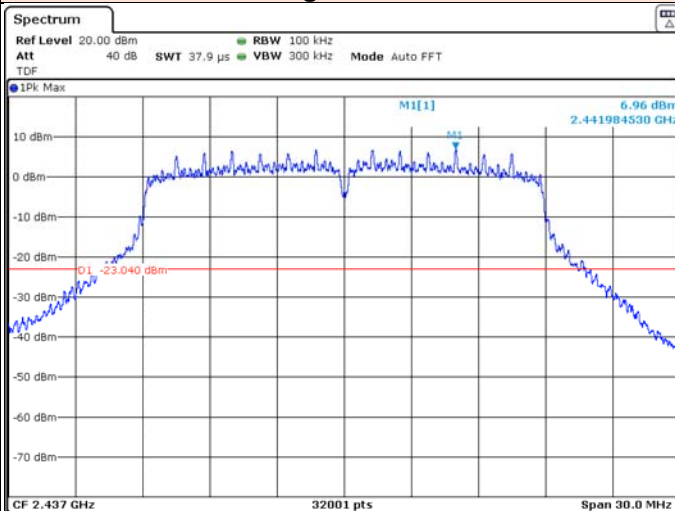
Bandedge_2 412 MHz



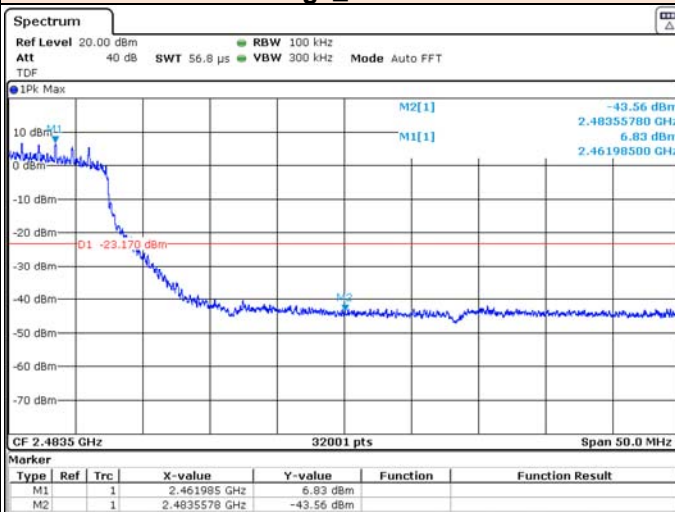
Bandedge_2 417 MHz



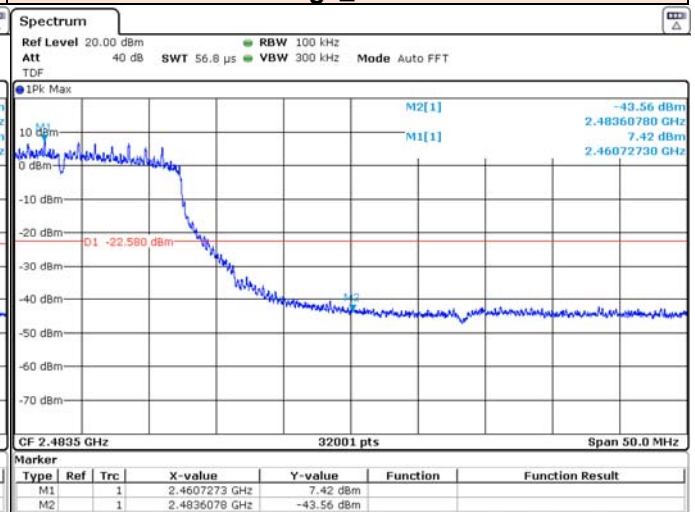
Bandedge_2 437 MHz

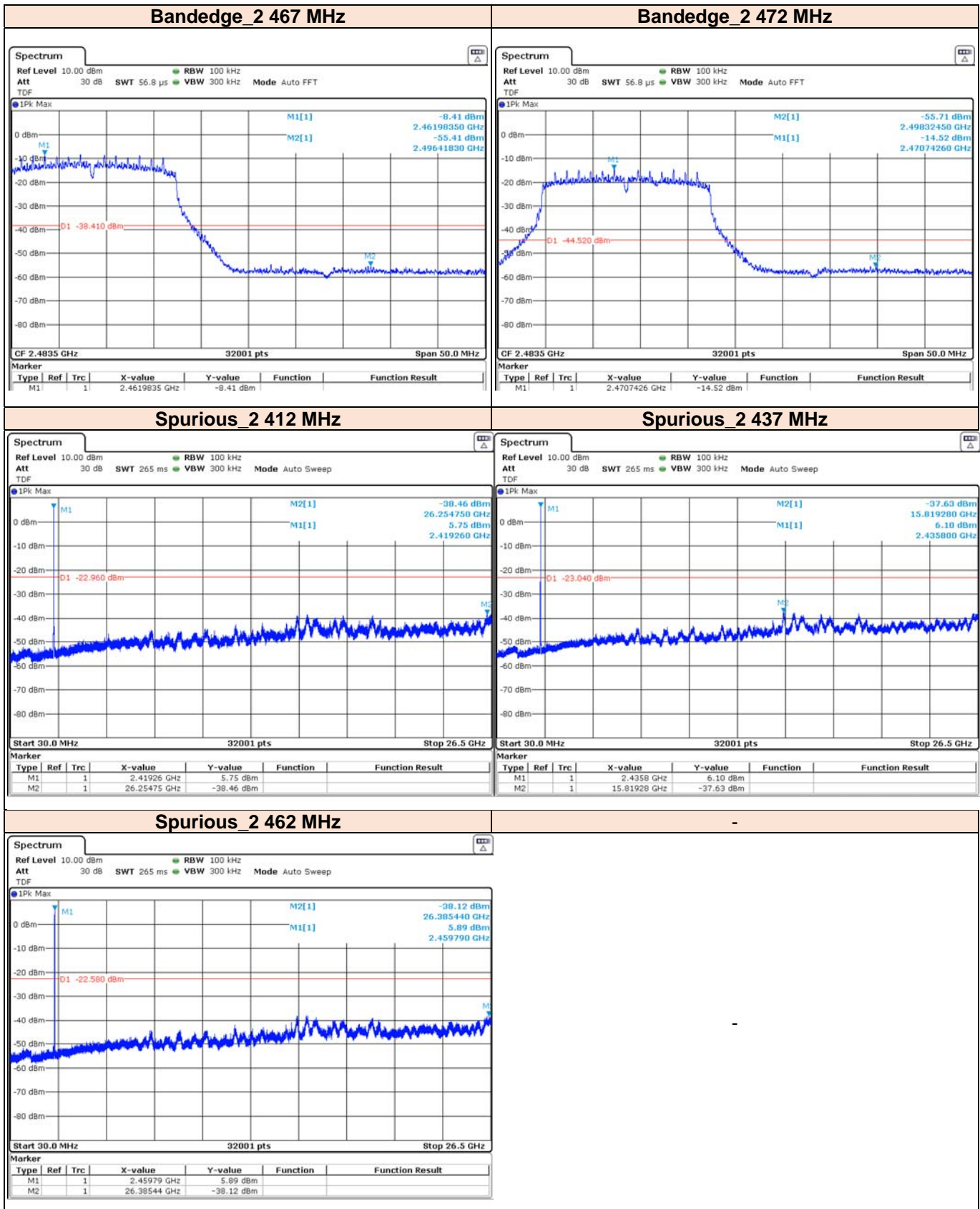


Bandedge_2 457 MHz



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 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.

3.6.2 Test Procedure

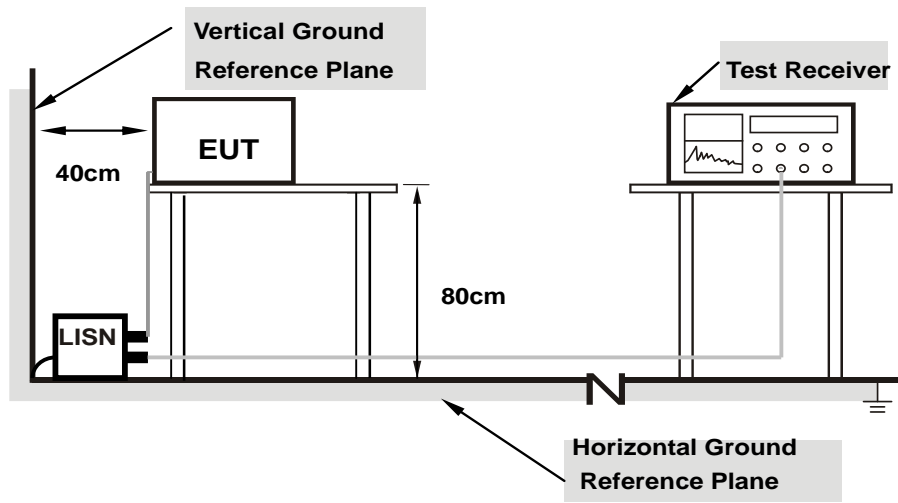
- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm / 50 μ H of coupling 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.

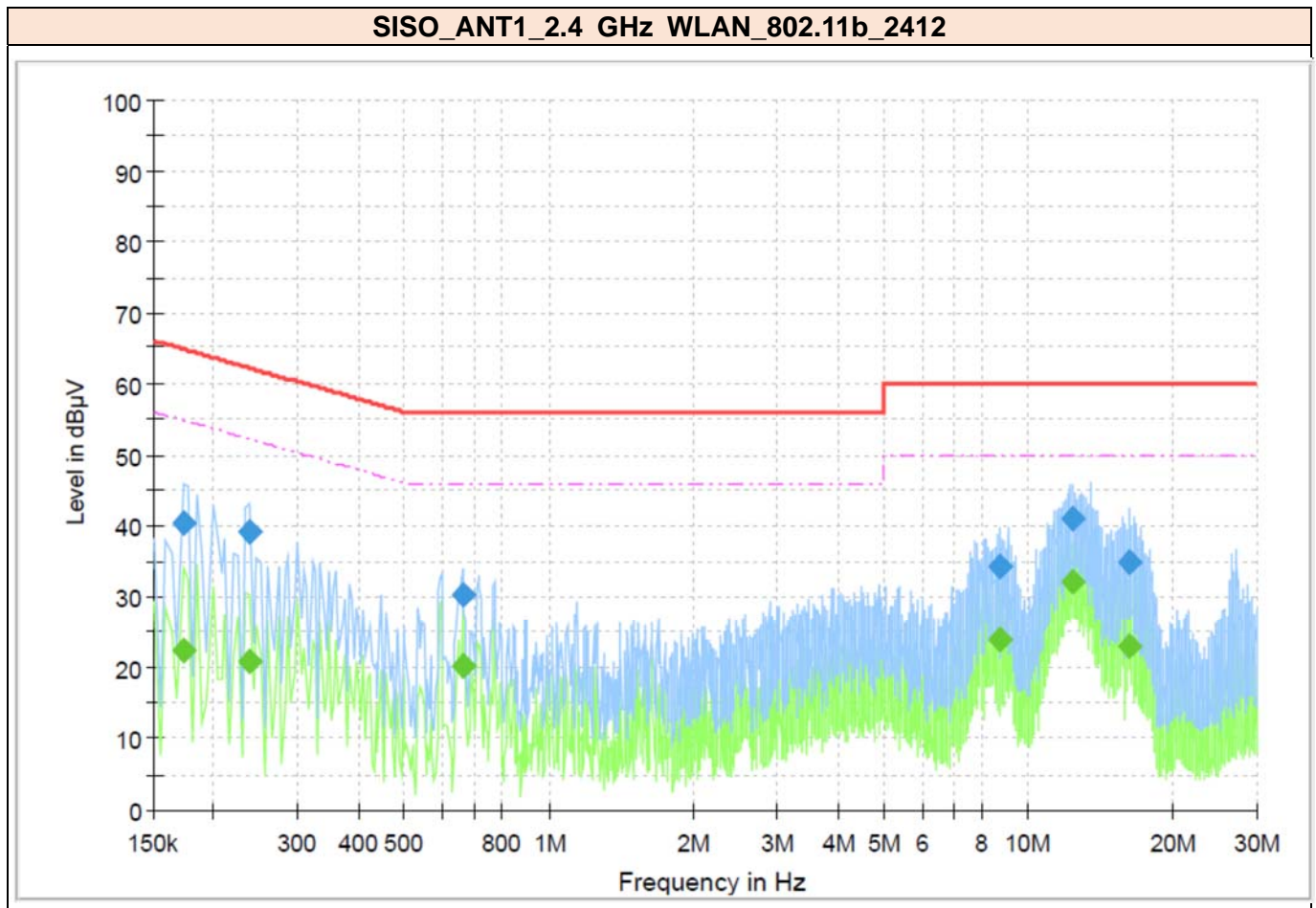
3.6.3 Deviation from Test Standard

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

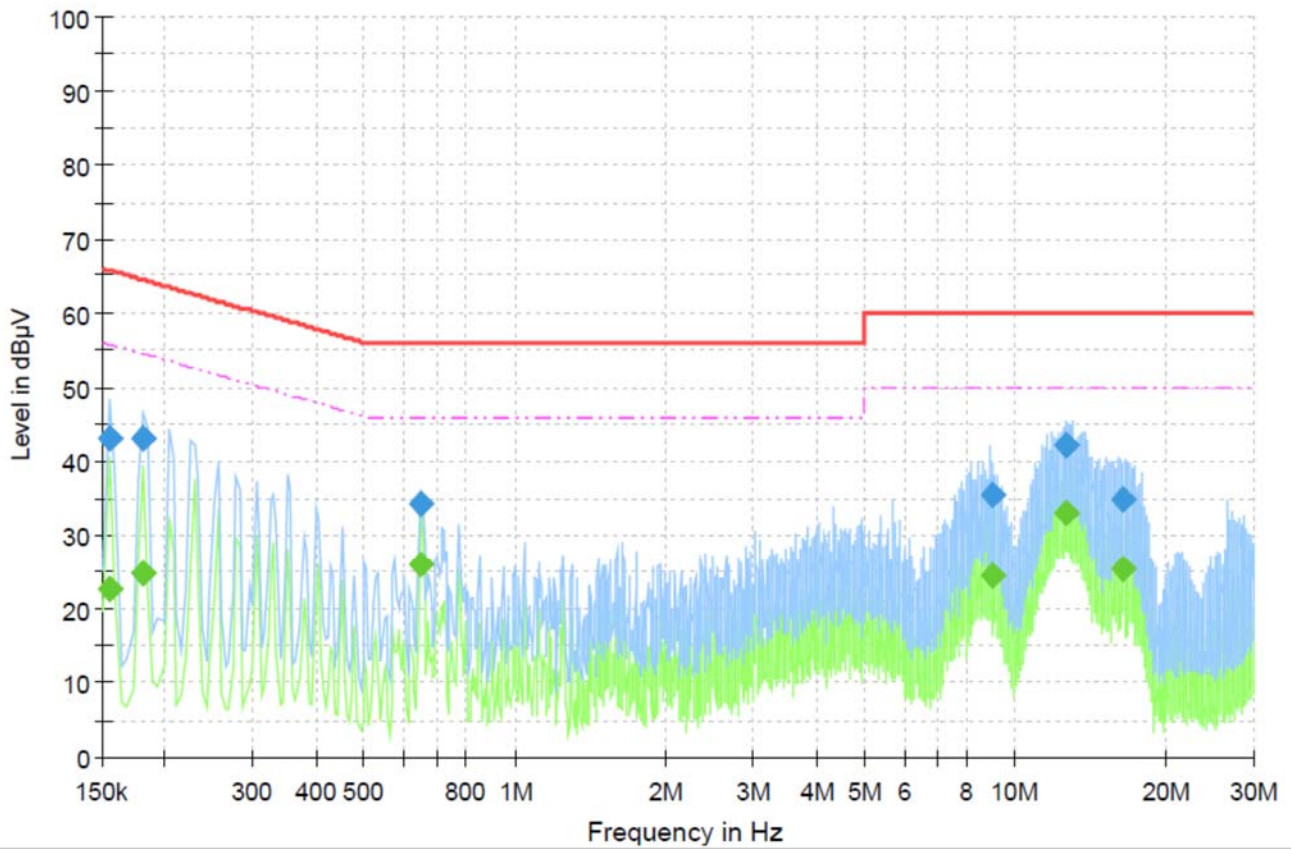
1. Final Value (QP and/or CAV) = Reading Value (QP and/or CAV) + Corr. (LISN Insertion Loss + Cable Loss)

Margin (QP and/or CAV) = Limit – Final Value (QP and/or CAV)

QP = Quasi-Peak, CAV = CISPR-Average, Corr. = Correction Factor

2. 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

Web Site: 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 -