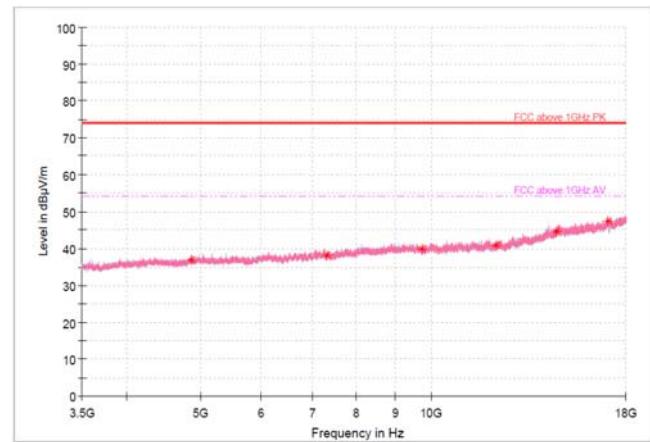
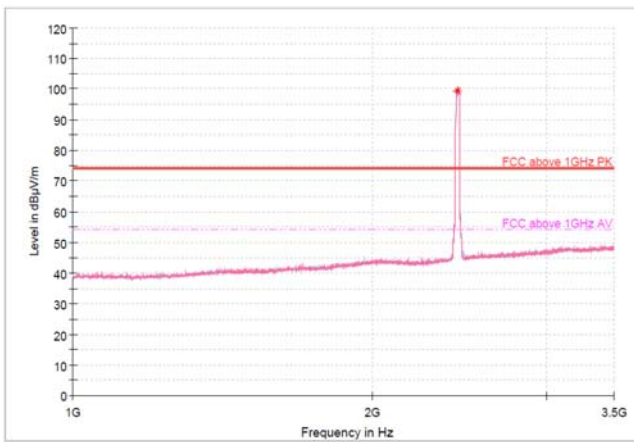




RSE_MIMO_2.4 GHz WLAN_802.11ax(HE20)_2437_SU

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	59.36	36.96	-	-	-	1 000	300.0	H	108	-22.40	37.04	74.00	-	-
7311.08	57.52	38.22	-	-	-	1 000	100.0	H	290	-19.30	35.78	74.00	-	-
9748.05	56.03	40.03	-	-	-	1 000	300.0	H	258	-16.00	33.97	74.00	-	-
12185.02	54.90	40.90	-	-	-	1 000	400.0	H	217	-14.00	33.10	74.00	-	-
14622.47	56.03	44.53	-	-	-	1 000	300.0	V	0	-11.50	29.47	74.00	-	-
17059.92	55.66	47.36	-	-	-	1 000	400.0	V	27	-8.30	26.64	74.00	-	-

Remarks

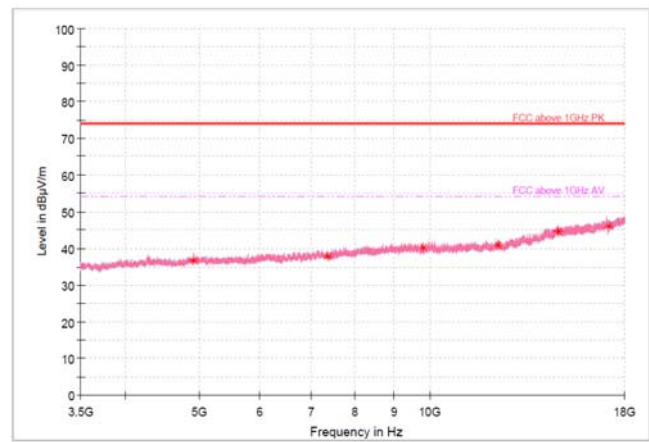
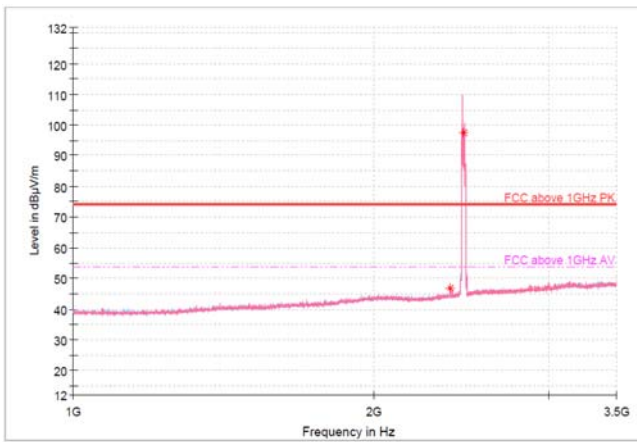
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier 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_802.11ax(HE20)_2462_26T

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]
4924.38	59.17	36.77	-	-		1 000	200.0	V	166	-22.40	37.23	74.00	-	-
7386.00	57.17	37.87	-	-		1 000	300.0	H	69	-19.30	36.13	74.00	-	-
9848.10	56.16	40.46	-	-		1 000	100.0	V	292	-15.70	33.54	74.00	-	-
12310.20	55.30	41.10	-	-		1 000	400.0	H	0	-14.20	32.90	74.00	-	-
14772.30	55.69	44.69	-	-		1 000	400.0	H	0	-11.00	29.31	74.00	-	-
17234.40	53.94	45.74	-	-		1 000	100.0	V	284	-8.20	28.26	74.00	-	-

Remarks

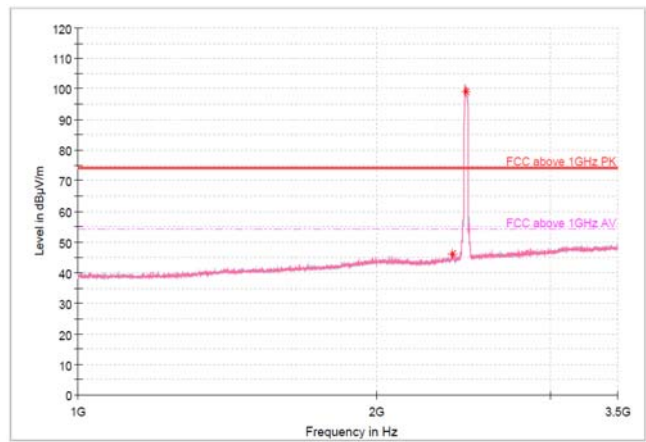
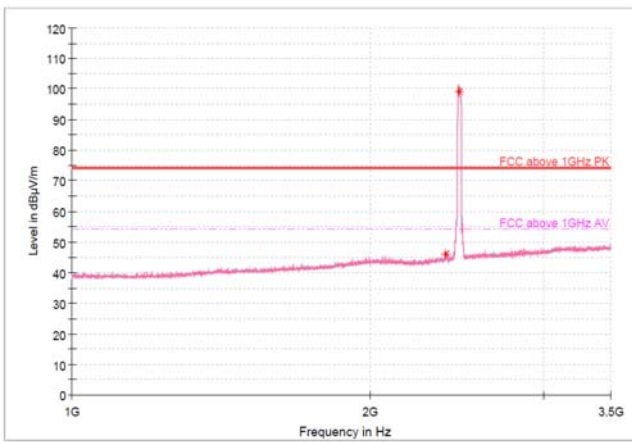
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier 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_802.11ax(HE20)_2462_SU

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]
4924.38	59.44	37.04	-	-		1 000	100.0	H	358	-22.40	36.96	74.00	-	-
7386.00	58.57	39.27	-	-		1 000	100.0	H	2	-19.30	34.73	74.00	-	-
9848.10	55.04	39.34	-	-		1 000	400.0	V	140	-15.70	34.66	74.00	-	-
12310.20	55.37	41.17	-	-		1 000	100.0	H	153	-14.20	32.83	74.00	-	-
14772.30	56.25	45.25	-	-		1 000	400.0	V	350	-11.00	28.75	74.00	-	-
17234.40	55.46	47.26	-	-		1 000	400.0	V	188	-8.20	26.74	74.00	-	-

Remarks

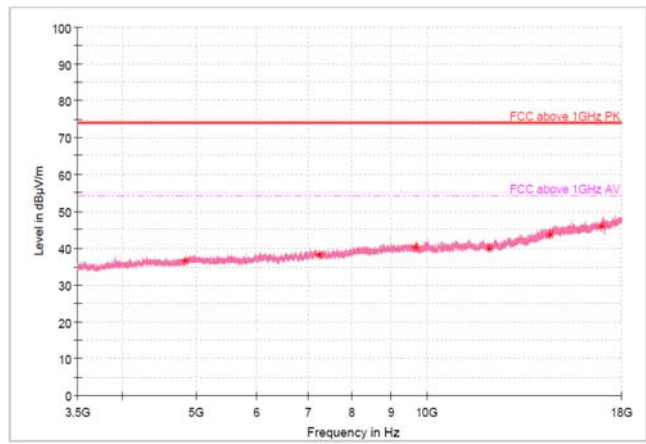
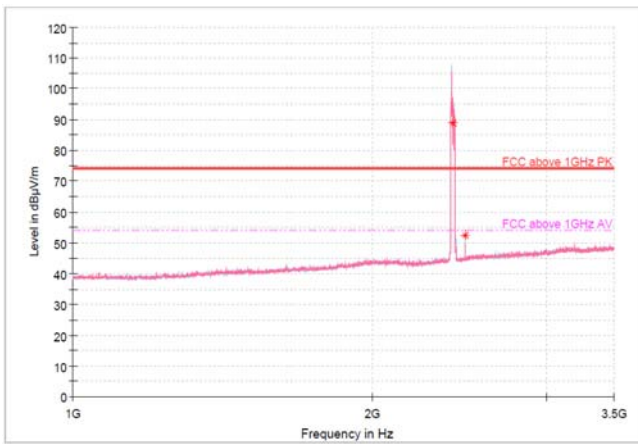
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier 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_SISO_ANT2_2.4GHz WLAN_802.11ax(HE20)_2412_26T

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]
4824.00	59.35	36.75	-	-		1 000	300.0	H	192	-22.60	37.25	74.00	-	-
7236.15	57.51	38.31	-	-		1 000	400.0	H	37	-19.20	35.69	74.00	-	-
9648.30	56.53	40.43	-	-		1 000	400.0	H	0	-16.10	33.57	74.00	-	-
12060.45	54.07	40.17	-	-		1 000	200.0	V	96	-13.90	33.83	74.00	-	-
14472.12	55.70	43.60	-	-		1 000	100.0	V	78	-12.10	30.40	74.00	-	-
16884.27	54.27	45.87	-	-		1 000	100.0	H	258	-8.40	28.13	74.00	-	-

Remarks

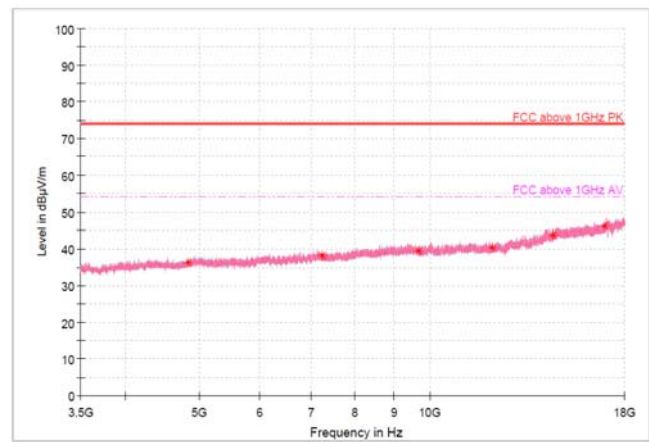
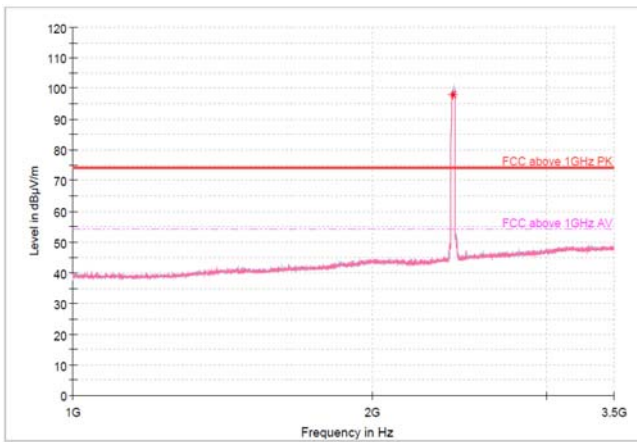
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier 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_SISO_ANT2_2.4GHz WLAN_802.11ax(HE20)_2412_SU

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]
4824.00	58.86	36.26	-	-		1 000	100.0	V	293	-22.60	37.74	74.00	-	-
7236.15	57.37	38.17	-	-		1 000	100.0	H	126	-19.20	35.83	74.00	-	-
9648.30	55.45	39.35	-	-		1 000	100.0	H	197	-16.10	34.65	74.00	-	-
12060.45	54.27	40.37	-	-		1 000	100.0	H	47	-13.90	33.63	74.00	-	-
14472.12	55.84	43.74	-	-		1 000	100.0	V	160	-12.10	30.26	74.00	-	-
16884.27	54.57	46.17	-	-		1 000	100.0	H	2	-8.40	27.83	74.00	-	-

Remarks

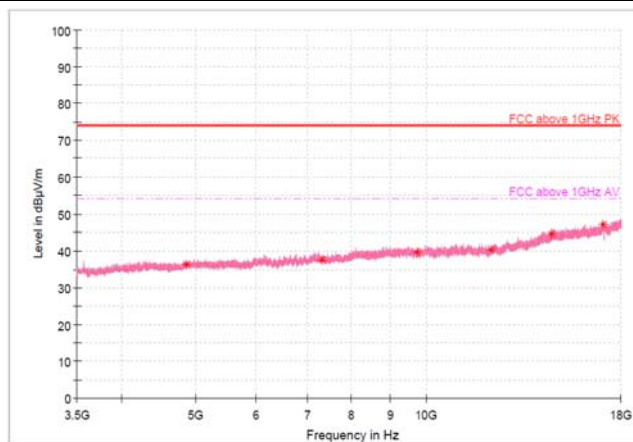
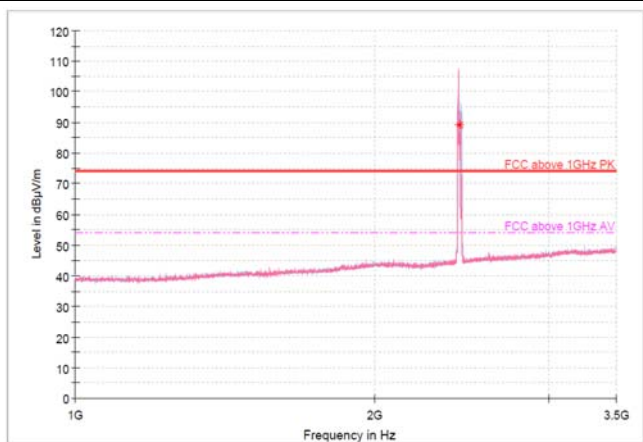
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier 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_SISO_ANT2_2.4GHz WLAN_802.11ax(HE20)_2437_26T

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	58.67	36.27	-	-	-	1 000	100.0	V	311	-22.40	37.73	74.00	-	-
7311.08	56.98	37.68	-	-	-	1 000	100.0	H	4	-19.30	36.32	74.00	-	-
9748.05	55.63	39.63	-	-	-	1 000	100.0	V	295	-16.00	34.37	74.00	-	-
12185.02	54.36	40.36	-	-	-	1 000	100.0	V	263	-14.00	33.64	74.00	-	-
14622.47	56.00	44.50	-	-	-	1 000	100.0	V	215	-11.50	29.50	74.00	-	-
17059.43	55.54	47.24	-	-	-	1 000	100.0	V	134	-8.30	26.76	74.00	-	-

Remarks

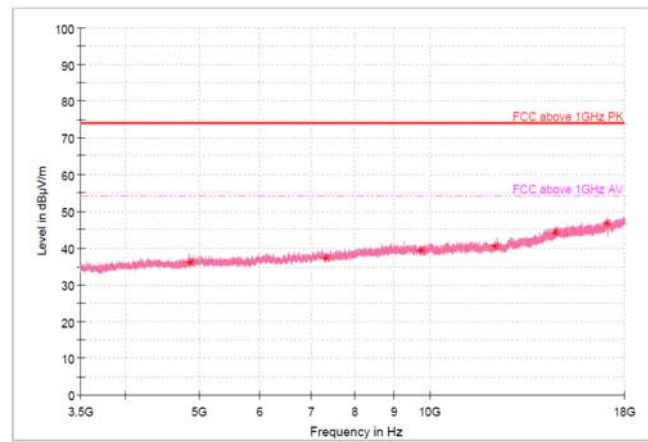
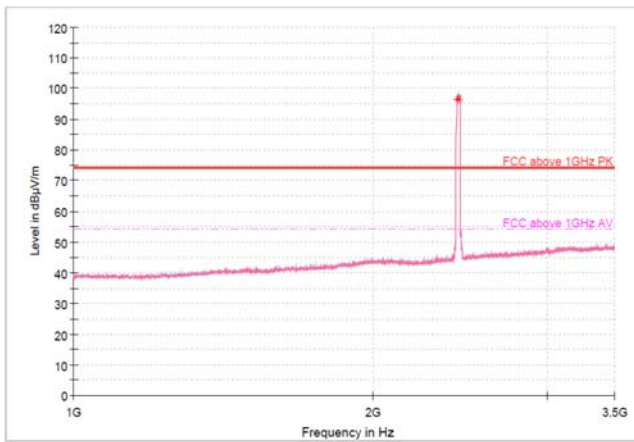
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier 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_SISO_ANT2_2.4GHz WLAN_802.11ax(HE20)_2437_SU

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]
4874.12	58.61	36.21	-	-		1 000	100.0	H	342	-22.40	37.79	74.00	-	-
7311.08	56.66	37.36	-	-		1 000	100.0	V	264	-19.30	36.64	74.00	-	-
9748.05	55.55	39.55	-	-		1 000	100.0	V	256	-16.00	34.45	74.00	-	-
12185.02	54.66	40.66	-	-		1 000	100.0	V	357	-14.00	33.34	74.00	-	-
14622.47	55.84	44.34	-	-		1 000	100.0	V	185	-11.50	29.66	74.00	-	-
17059.43	55.09	46.79	-	-		1 000	100.0	H	0	-8.30	27.21	74.00	-	-

Remarks

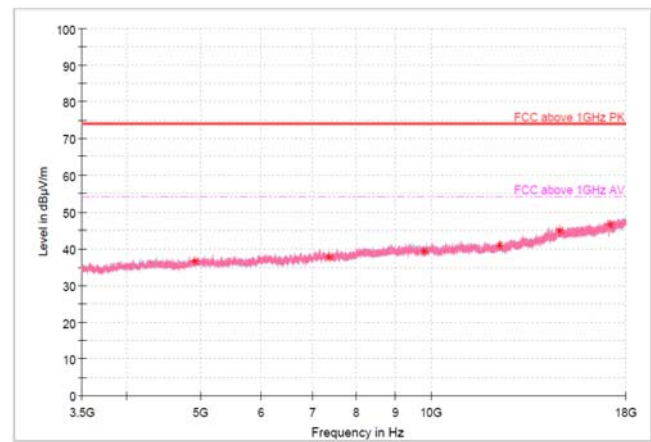
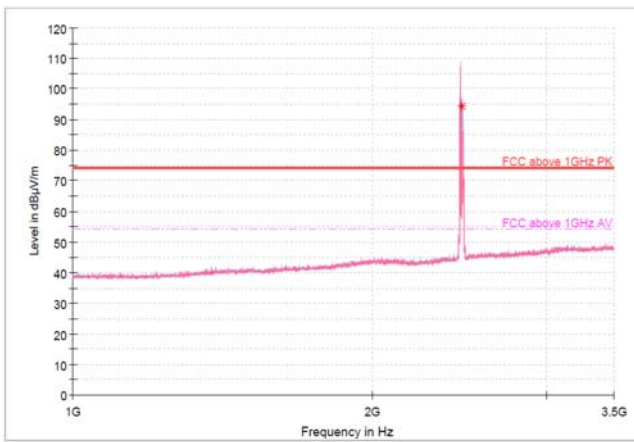
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier 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_SISO_ANT2_2.4GHz WLAN_802.11ax(HE20)_2462_26T

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]
4924.38	59.19	36.79	-	-		1 000	100.0	V	297	-22.40	37.21	74.00	-	-
7386.00	57.26	37.96	-	-		1 000	100.0	H	223	-19.30	36.04	74.00	-	-
9848.10	55.16	39.46	-	-		1 000	100.0	H	21	-15.70	34.54	74.00	-	-
12310.20	55.13	40.93	-	-		1 000	100.0	V	0	-14.20	33.07	74.00	-	-
14772.30	55.81	44.81	-	-		1 000	100.0	V	216	-11.00	29.19	74.00	-	-
17234.40	54.60	46.40	-	-		1 000	100.0	V	359	-8.20	27.60	74.00	-	-

Remarks

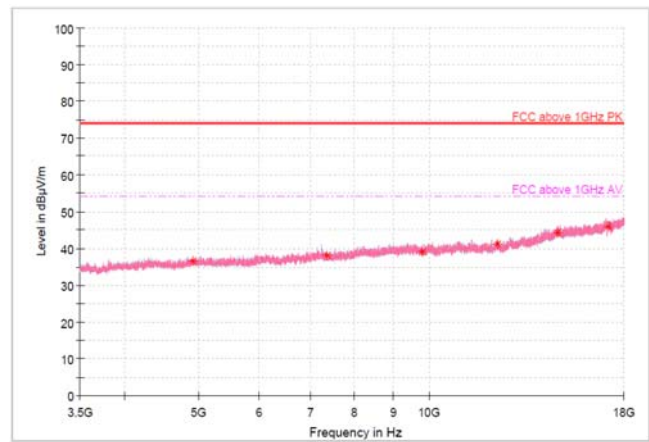
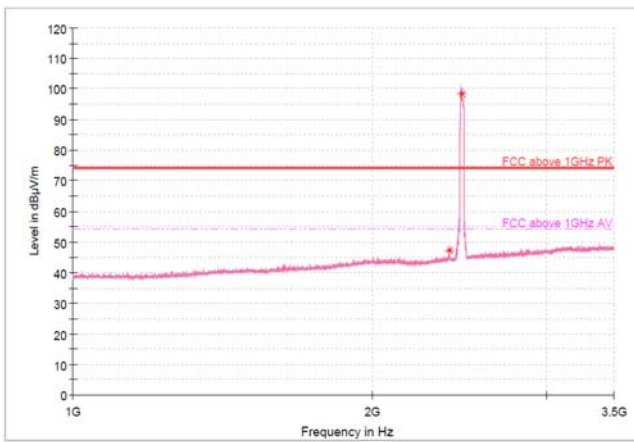
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier 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_SISO_ANT2_2.4GHz WLAN_802.11ax(HE20)_2462_SU

1 GHz - 3.5 GHz

3.5 GHz - 18 GHz



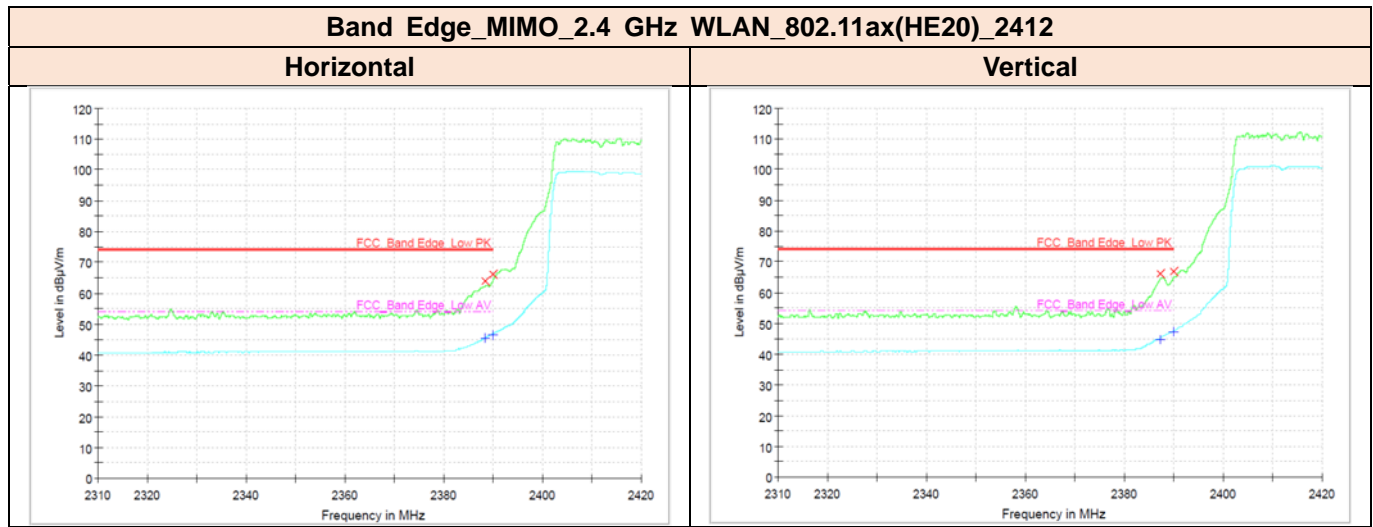
Frequency [MHz]	Peak Reading Value [dBuV/m]	Peak Result [dBuV/m]	AVG Reading Value [dBuV/m]	AVG Result [dBuV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBuV/m]	AVG Margin [dB]	AVG Limit [dBuV/m]
4924.38	59.09	36.69	-	-		1000	100.0	V	20	-22.40	37.31	74.00	-	-
7386.00	57.62	38.32	-	-		1000	100.0	V	243	-19.30	35.68	74.00	-	-
9848.10	54.78	39.08	-	-		1000	100.0	H	168	-15.70	34.92	74.00	-	-
12310.20	55.38	41.18	-	-		1000	100.0	H	0	-14.20	32.82	74.00	-	-
14772.30	55.44	44.44	-	-		1000	100.0	H	76	-11.00	29.56	74.00	-	-
17234.40	54.20	46.00	-	-		1000	100.0	H	185	-8.20	28.00	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]
2 388.40	54.60	63.70	36.30	45.40	-	1 000	100.0	H	190	9.10	10.30	74.00	8.60	54.00
2 390.00	56.90	66.00	37.60	46.70	-	1 000	115.0	H	190	9.10	8.00	74.00	7.30	54.00
2 387.20	56.90	66.00	35.80	44.90	-	1 000	400.0	V	172	9.10	8.00	74.00	9.10	54.00
2 390.00	57.70	66.80	38.20	47.30	-	1 000	359.0	V	172	9.10	7.20	74.00	6.70	54.00

Remarks

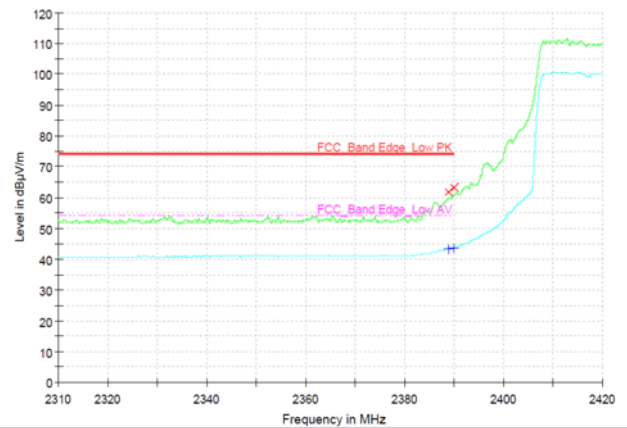
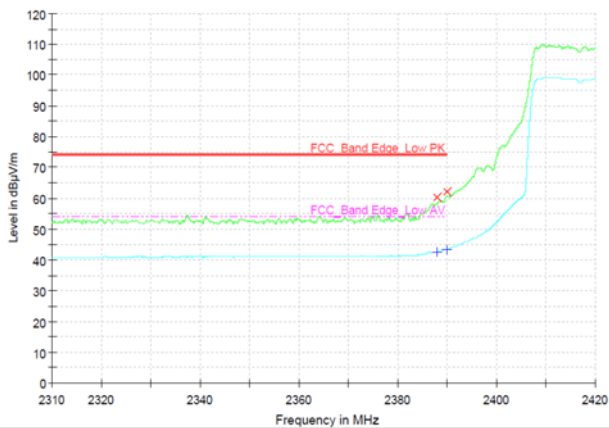
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier 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_2.4 GHz WLAN_802.11ax(HE20)_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]
2 388.00	51.00	60.10	33.40	42.50	-	1 000	152.0	H	189	9.10	13.90	74.00	11.50	54.00
2 390.00	53.00	62.10	34.10	43.20	-	1 000	100.0	H	189	9.10	11.90	74.00	10.80	54.00
2 388.80	52.70	61.80	34.30	43.40	-	1 000	360.0	V	174	9.10	12.30	74.00	10.60	54.00
2 390.00	54.10	63.20	34.70	43.80	-	1 000	400.0	V	174	9.10	10.80	74.00	10.20	54.00

Remarks

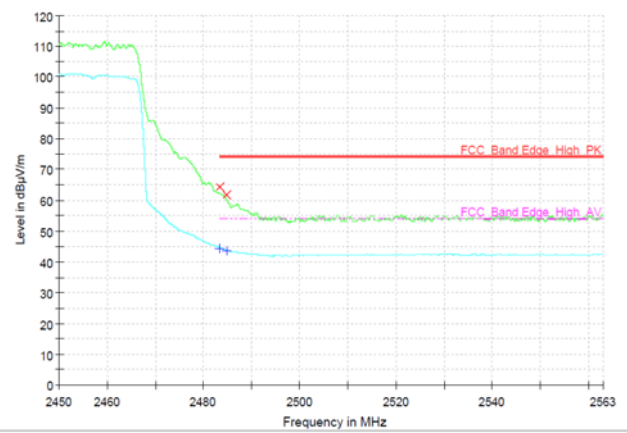
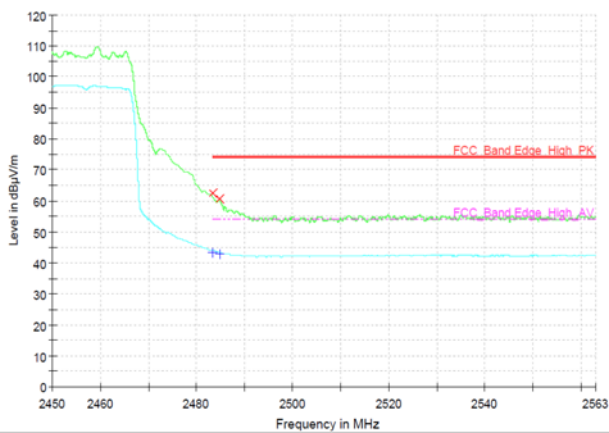
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier 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_802.11ax(HE20)_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	52.70	62.40	33.70	43.40	-	1000	193.0	H	168	9.70	11.60	74.00	10.60	54.00
2484.68	50.80	60.50	33.20	42.90	-	1000	150.0	H	168	9.70	13.60	74.00	11.10	54.00
2483.50	54.40	64.10	34.70	44.40	-	1000	320.0	V	178	9.70	9.90	74.00	9.60	54.00
2484.88	52.00	61.70	33.90	43.60	-	1000	387.0	V	178	9.70	12.30	74.00	10.40	54.00

Remarks

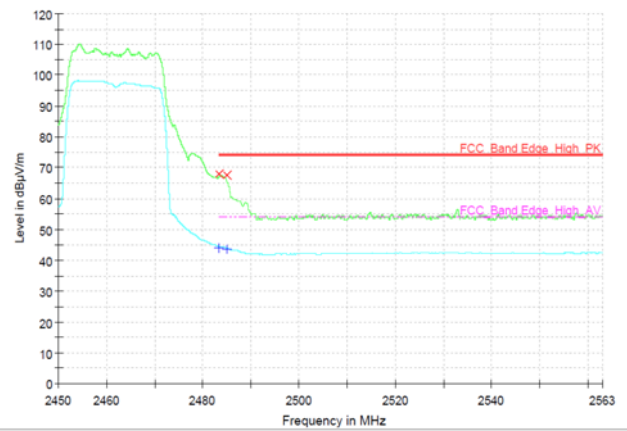
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier 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_802.11ax(HE20)_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	58.50	68.20	34.60	44.30	-	1000	110.0	H	187	9.70	5.80	74.00	9.70	54.00
2485.01	57.80	67.50	33.90	43.60	-	1000	100.0	H	172	9.70	6.60	74.00	10.40	54.00
2483.50	58.40	68.10	34.40	44.10	-	1000	380.0	V	192	9.70	5.90	74.00	9.90	54.00
2484.94	57.70	67.40	34.10	43.80	-	1000	375.0	V	189	9.70	6.60	74.00	10.20	54.00

Remarks

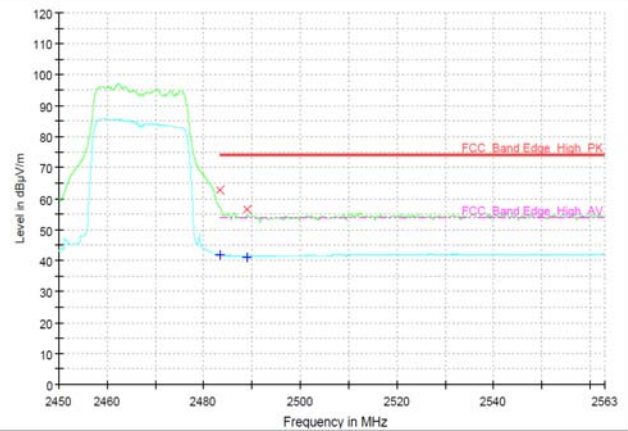
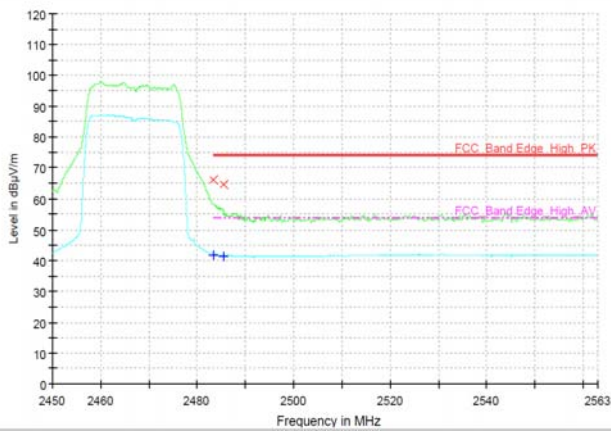
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier 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_802.11ax(HE20)_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	56.50	66.20	32.10	41.80	-	1000	190.0	H	207	9.70	7.80	74.00	12.20	54.00
2485.39	54.80	64.50	31.70	41.40	-	1000	100.0	H	207	9.70	9.50	74.00	12.60	54.00
2483.50	52.90	62.60	32.00	41.70	-	1000	287.0	V	179	9.70	11.40	74.00	12.30	54.00
2489.08	47.00	56.70	31.40	41.10	-	1000	389.0	V	179	9.70	17.30	74.00	12.90	54.00

Remarks

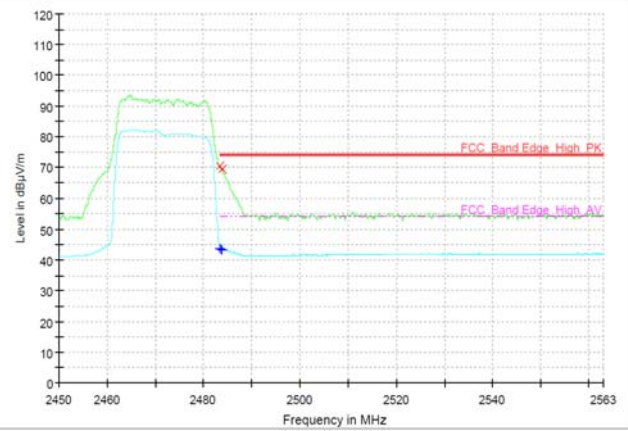
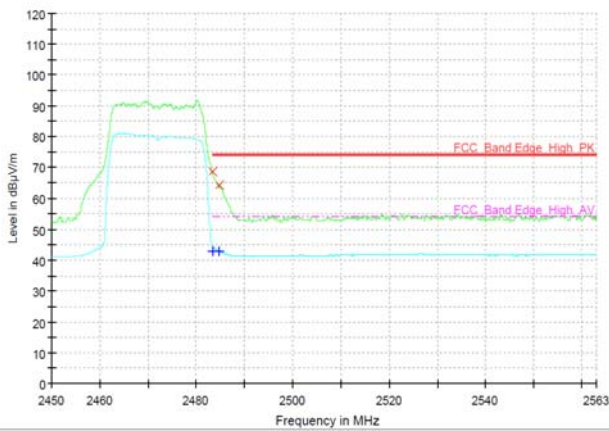
1. Peak Result(dBuV/m) = Peak Reading Value(dBuV/m) + Correction Factor(dB)
2. Average Result(dBuV/m) = Average Reading Value(dBuV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier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



Band Edge_MIMO_2.4 GHz WLAN_802.11ax(HE20)_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	58.80	68.50	33.30	43.00	-	1000	140.0	H	152	9.70	5.60	74.00	11.00	54.00
2484.80	54.50	64.20	33.20	42.90	-	1000	370.0	V	187	9.70	9.80	74.00	11.10	54.00
2483.50	60.60	70.30	33.90	43.60	-	1000	380.0	V	169	9.70	3.70	74.00	10.40	54.00
2483.87	59.50	69.20	33.50	43.20	-	1000	383.0	V	158	9.70	4.80	74.00	10.80	54.00

Remarks

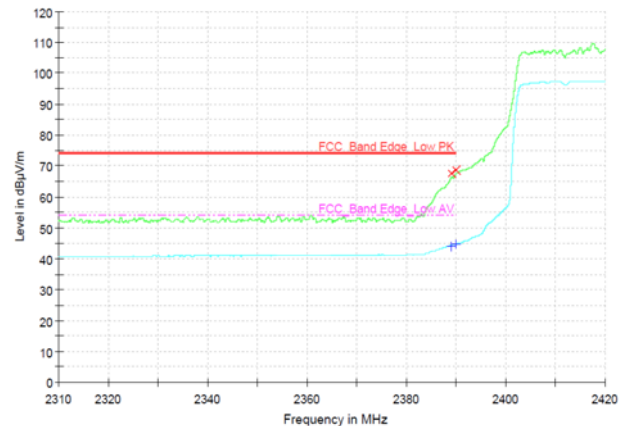
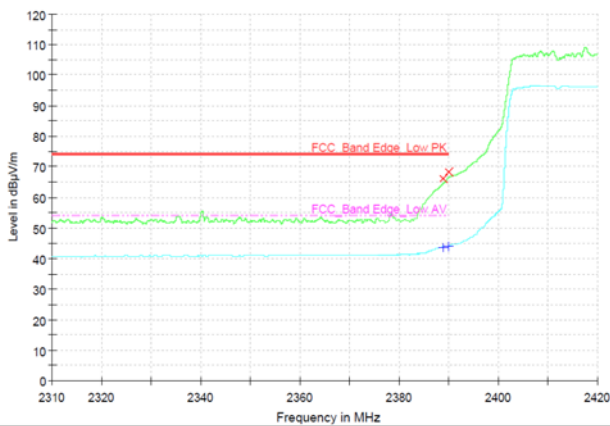
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier 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_SISO_2.4 GHz WLAN_802.11ax(HE20)_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]
2 388.80	56.90	66.00	34.60	43.70	-	1 000	100.0	H	164	9.10	8.00	74.00	10.30	54.00
2 390.00	59.00	68.10	35.10	44.20	-	1 000	150.0	H	162	9.10	5.90	74.00	9.80	54.00
2 389.20	58.50	67.60	35.10	44.20	-	1 000	400.0	V	186	9.10	6.40	74.00	9.80	54.00
2 390.00	59.70	68.80	35.60	44.70	-	1 000	320.0	V	186	9.10	5.20	74.00	9.30	54.00

Remarks

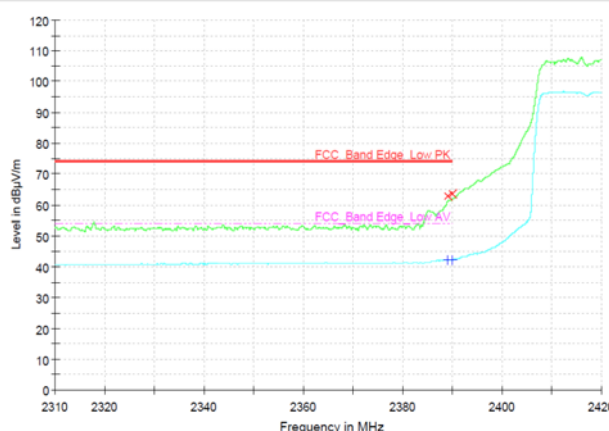
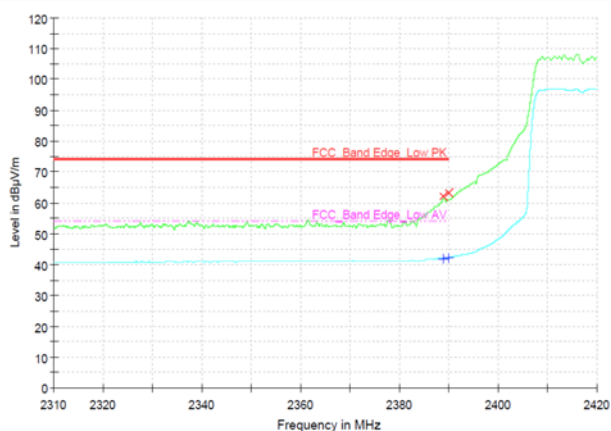
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier 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_SISO_2.4 GHz WLAN_802.11ax(HE20)_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]
2 388.80	52.80	61.90	32.90	42.00	-	1 000	143.0	H	163	9.10	12.10	74.00	12.10	54.00
2 390.00	54.20	63.30	33.10	42.20	-	1 000	136.0	H	164	9.10	10.70	74.00	11.80	54.00
2 389.20	53.50	62.60	32.90	42.00	-	1 000	400.0	V	187	9.10	11.40	74.00	12.00	54.00
2 390.00	54.40	63.50	33.20	42.30	-	1 000	374.0	V	190	9.10	10.50	74.00	11.70	54.00

Remarks

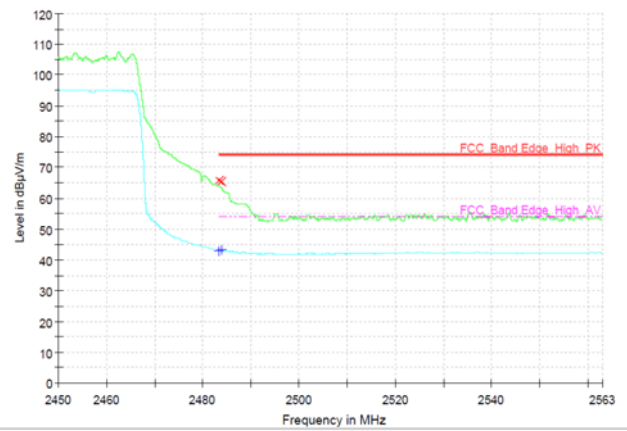
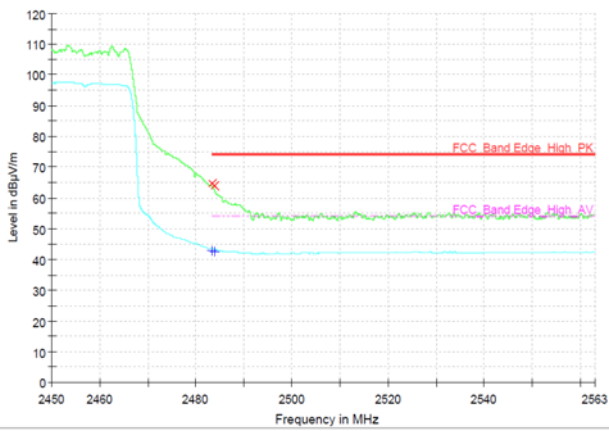
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier 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_SISO_2.4 GHz WLAN_802.11ax(HE20)_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	54.80	64.50	33.20	42.90	-	1 000	180.0	H	160	9.70	9.50	74.00	11.10	54.00
2483.88	54.20	63.90	33.10	42.80	-	1 000	238.0	H	162	9.70	10.10	74.00	11.30	54.00
2483.50	56.10	65.80	33.40	43.10	-	1 000	329.0	V	187	9.70	8.30	74.00	10.90	54.00
2483.78	55.50	65.20	33.50	43.20	-	1 000	392.0	V	175	9.70	8.90	74.00	10.80	54.00

Remarks

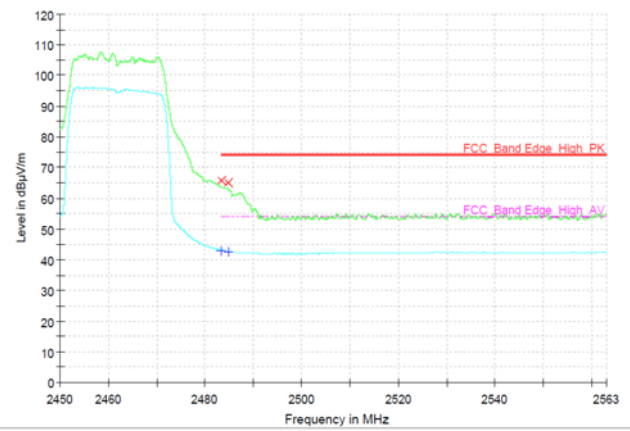
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier 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_SISO_2.4 GHz WLAN_802.11ax(HE20)_2462

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	54.80	64.50	33.00	42.70	-	1000	113.0	H	164	9.70	9.50	74.00	11.40	54.00
2485.08	53.50	63.20	32.70	42.40	-	1000	140.0	H	164	9.70	10.80	74.00	11.60	54.00
2483.50	55.80	65.50	33.30	43.00	-	1000	359.0	V	188	9.70	8.50	74.00	11.00	54.00
2484.76	55.30	65.00	33.00	42.70	-	1000	380.0	V	188	9.70	9.00	74.00	11.30	54.00

Remarks

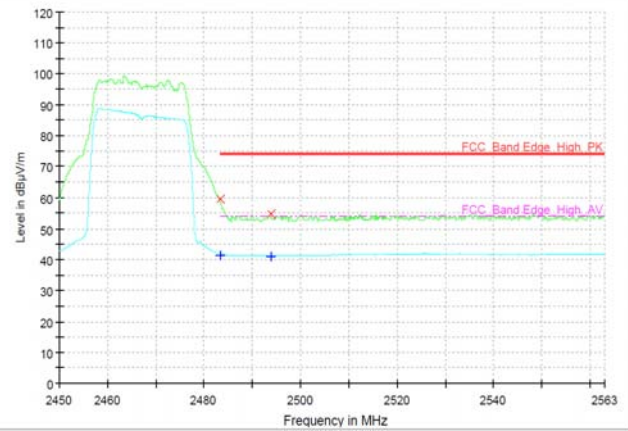
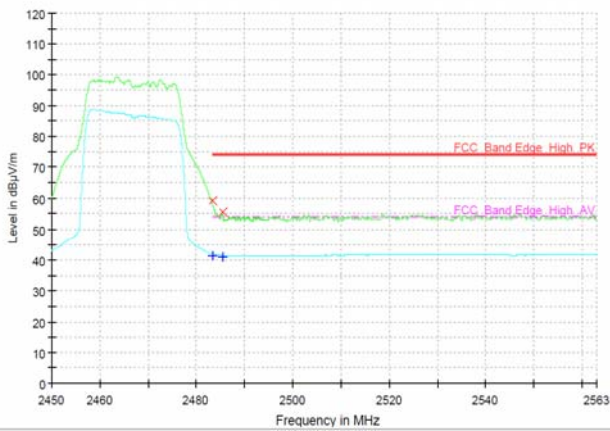
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier 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_SISO_2.4 GHz WLAN_802.11ax(HE20)_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	49.50	59.20	31.90	41.60	-	1000	100.0	H	155	9.70	14.80	74.00	12.40	54.00
2485.39	45.70	55.40	31.50	41.20	-	1000	237.0	H	159	9.70	18.60	74.00	12.80	54.00
2483.50	49.80	59.50	31.90	41.60	-	1000	318.0	V	193	9.70	14.50	74.00	12.40	54.00
2493.78	44.80	54.60	31.20	41.00	-	1000	300.0	V	191	9.80	19.40	74.00	13.00	54.00

Remarks

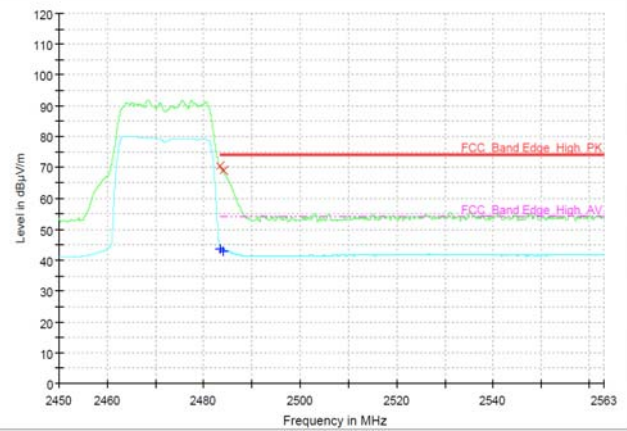
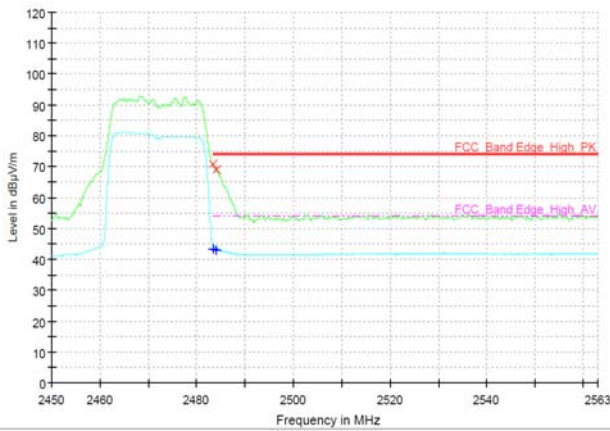
1. Peak Result(dBµV/m) = Peak Reading Value(dBµV/m) + Correction Factor(dB)
2. Average Result(dBµV/m) = Average Reading Value(dBµV/m) + DCCF + Correction Factor(dB)
3. DCCF(Duty Cycle Correction Factor) = 10 x Log(1/Duty Cycle)
4. Correction Factor(dB) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier 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_SISO_2.4 GHz WLAN_802.11ax(HE20)_2472

Horizontal

Vertical

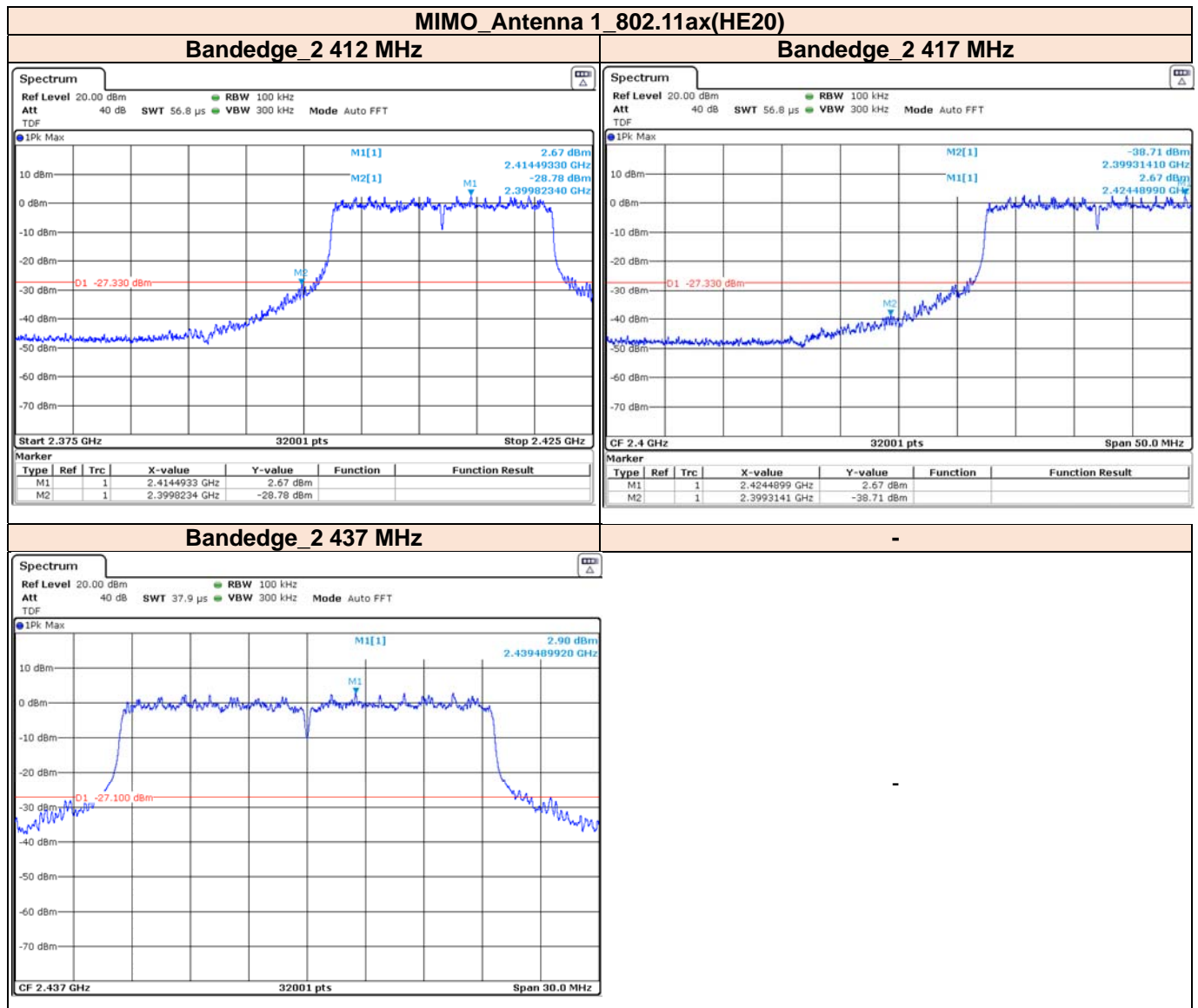


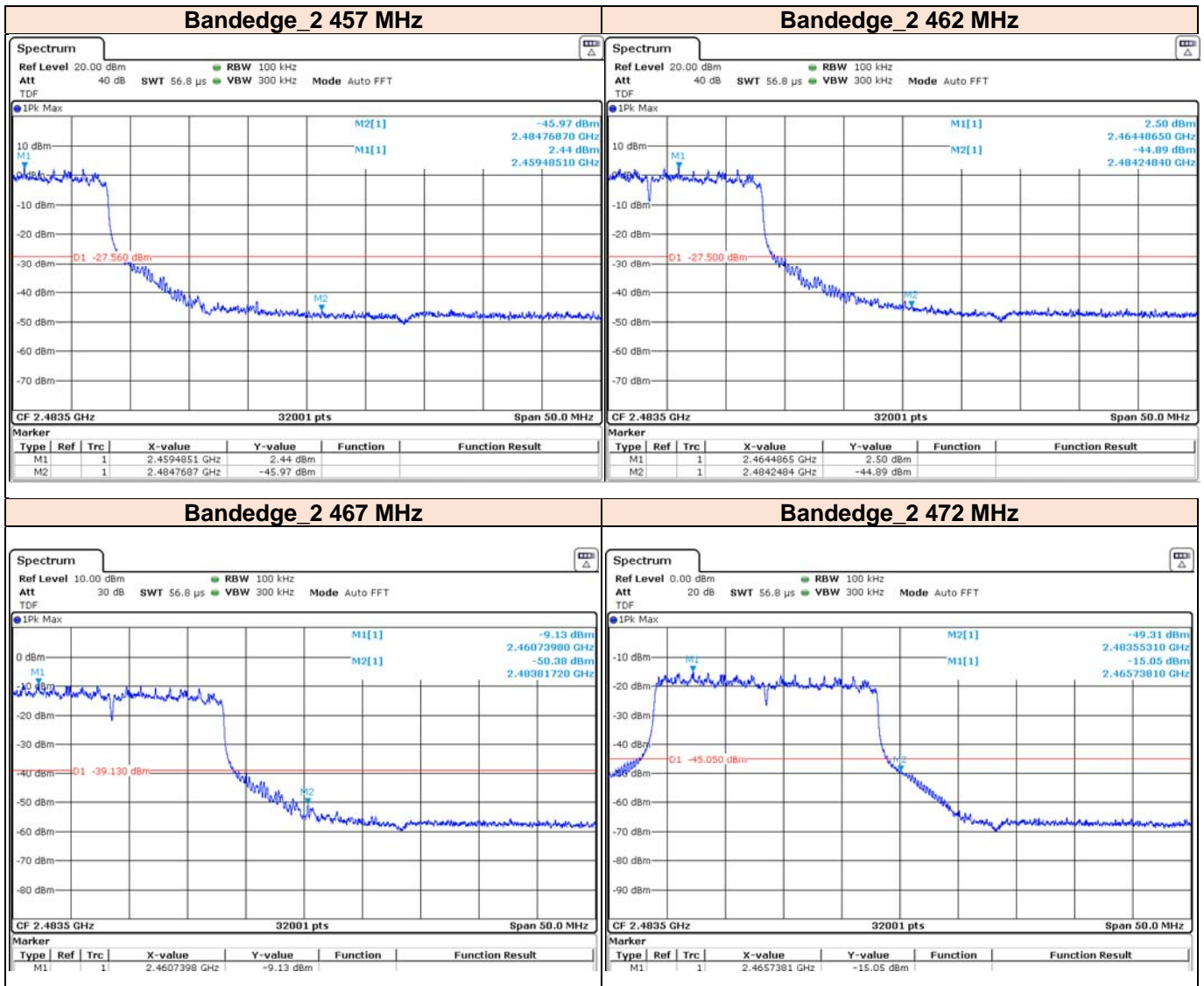
Frequency [MHz]	Peak Reading Value [dBµV/m]	Peak Result [dBµV/m]	AVG Reading Value [dBµV/m]	AVG Result [dBµV/m]	DCCF [dB]	Bandwidth [kHz]	Height [cm]	Pol [H/V]	Azimuth [deg]	Correction Factor [dB/m]	Peak Margin [dB]	Peak Limit [dBµV/m]	AVG Margin [dB]	AVG Limit [dBµV/m]
2483.50	61.00	70.70	33.80	43.50	-	1000	116.0	H	147.5	9.70	3.30	74.00	10.60	54.00
2483.98	59.50	69.20	33.20	42.90	-	1000	115.0	H	148.1	9.70	4.90	74.00	11.10	54.00
2483.50	60.80	70.50	33.90	43.60	-	1000	380.0	V	197	9.70	3.50	74.00	10.40	54.00
2484.00	59.50	69.20	33.40	43.10	-	1000	381.0	V	188	9.70	4.80	74.00	10.90	54.00

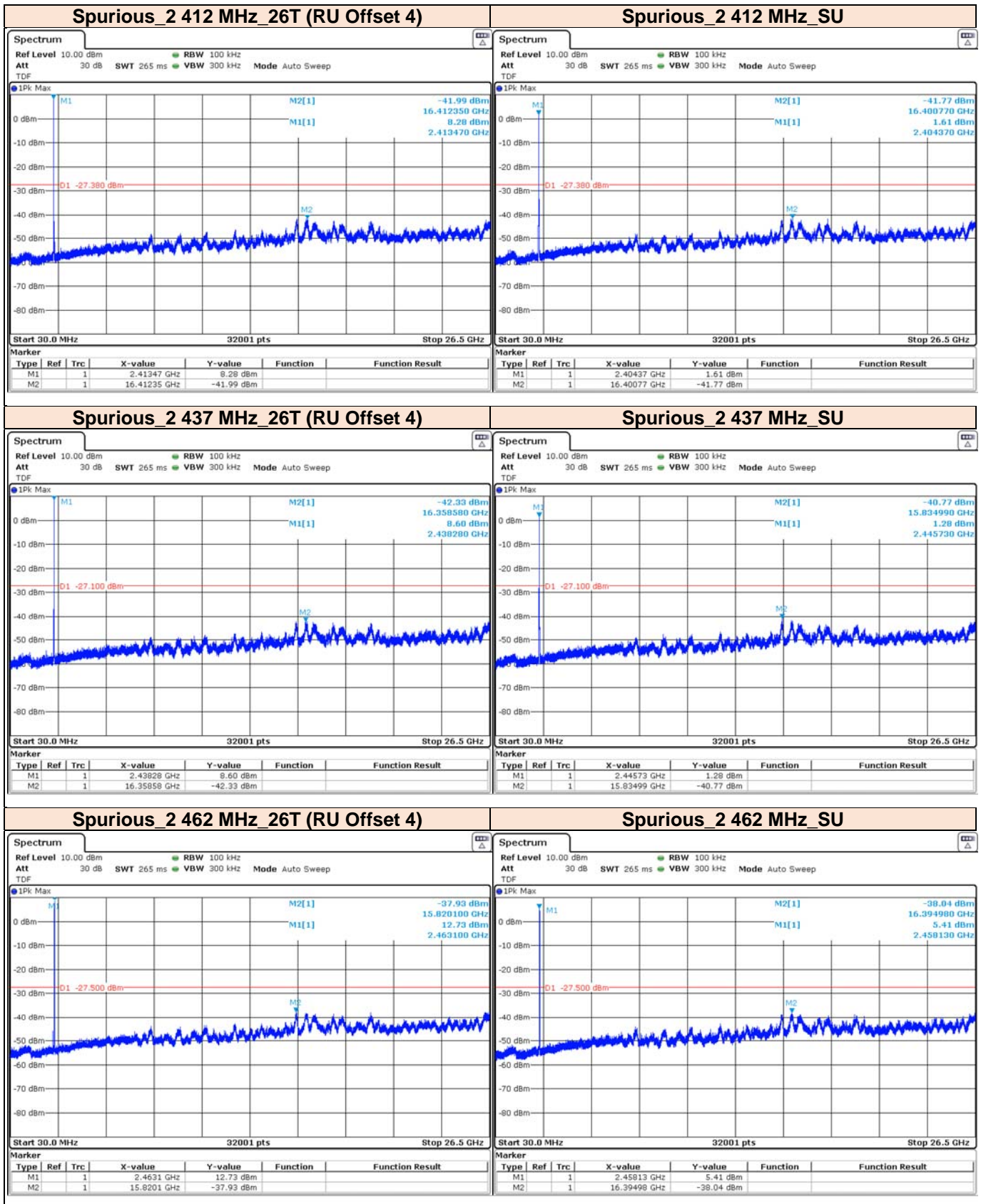
Remarks

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



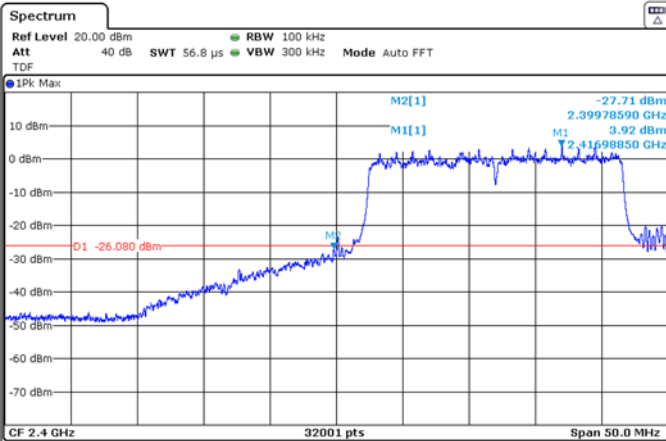






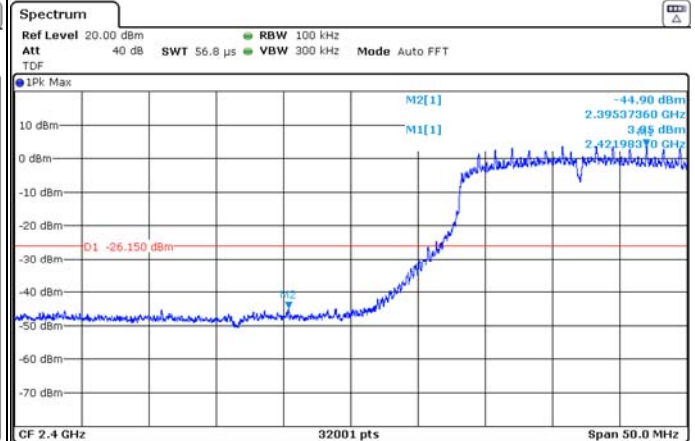
MIMO Antenna 2 802.11ax(HE20)

Bandedge_2 412 MHz



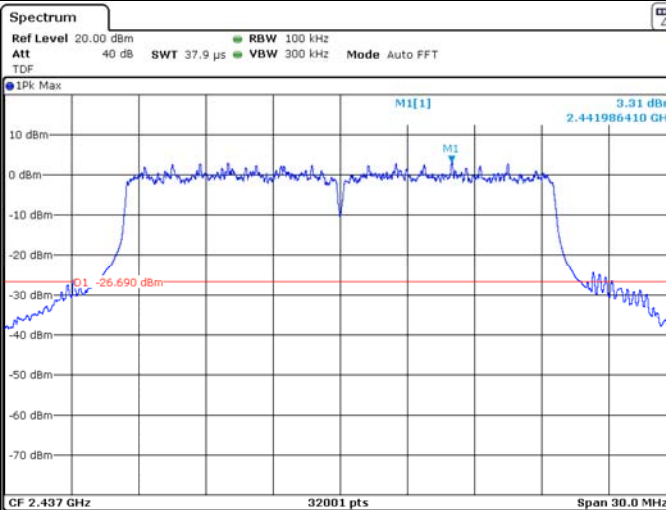
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.4169885 GHz	3.92 dBm		
M2	1		2.3997859 GHz	-27.71 dBm		

Bandedge_2 417 MHz

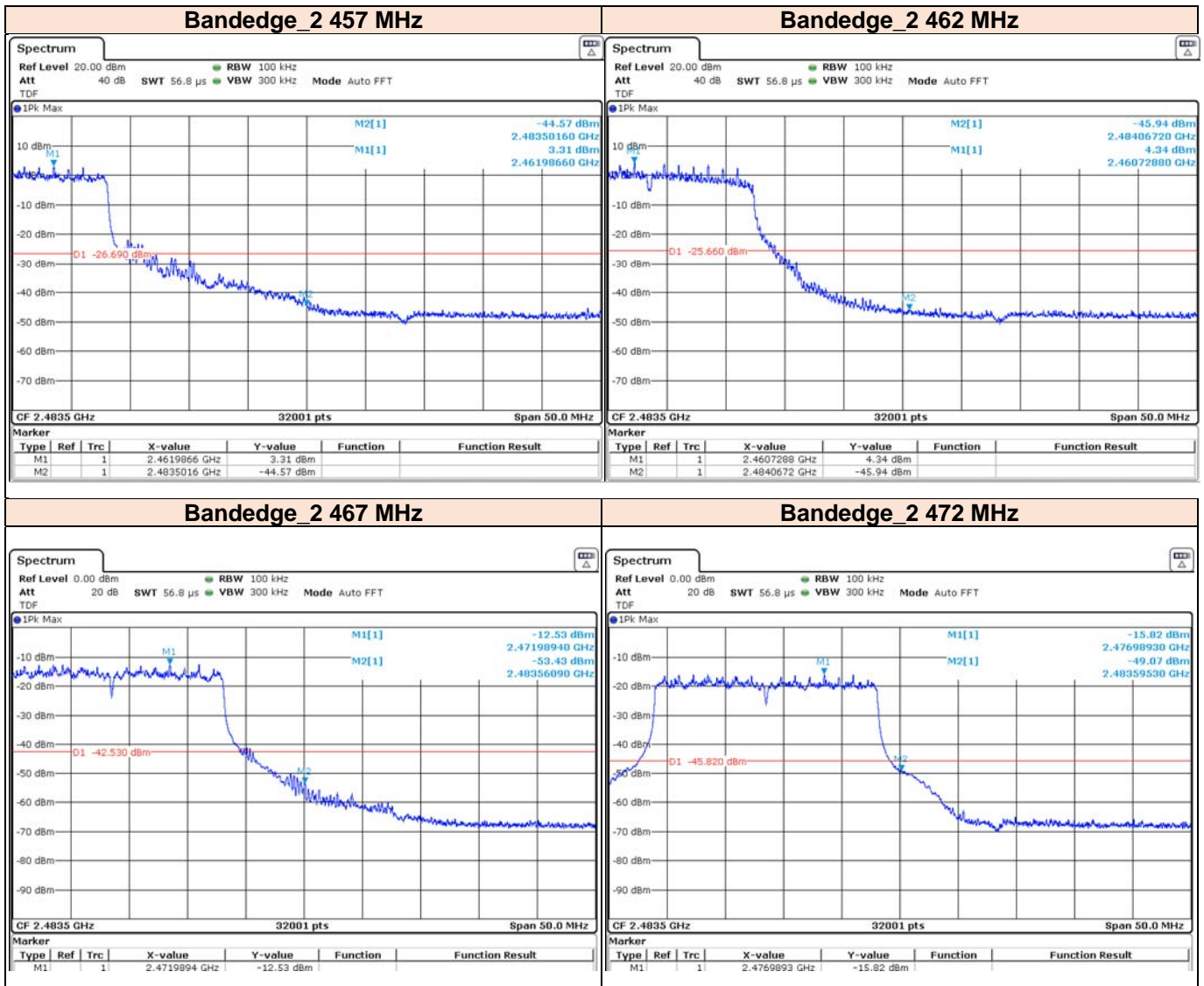


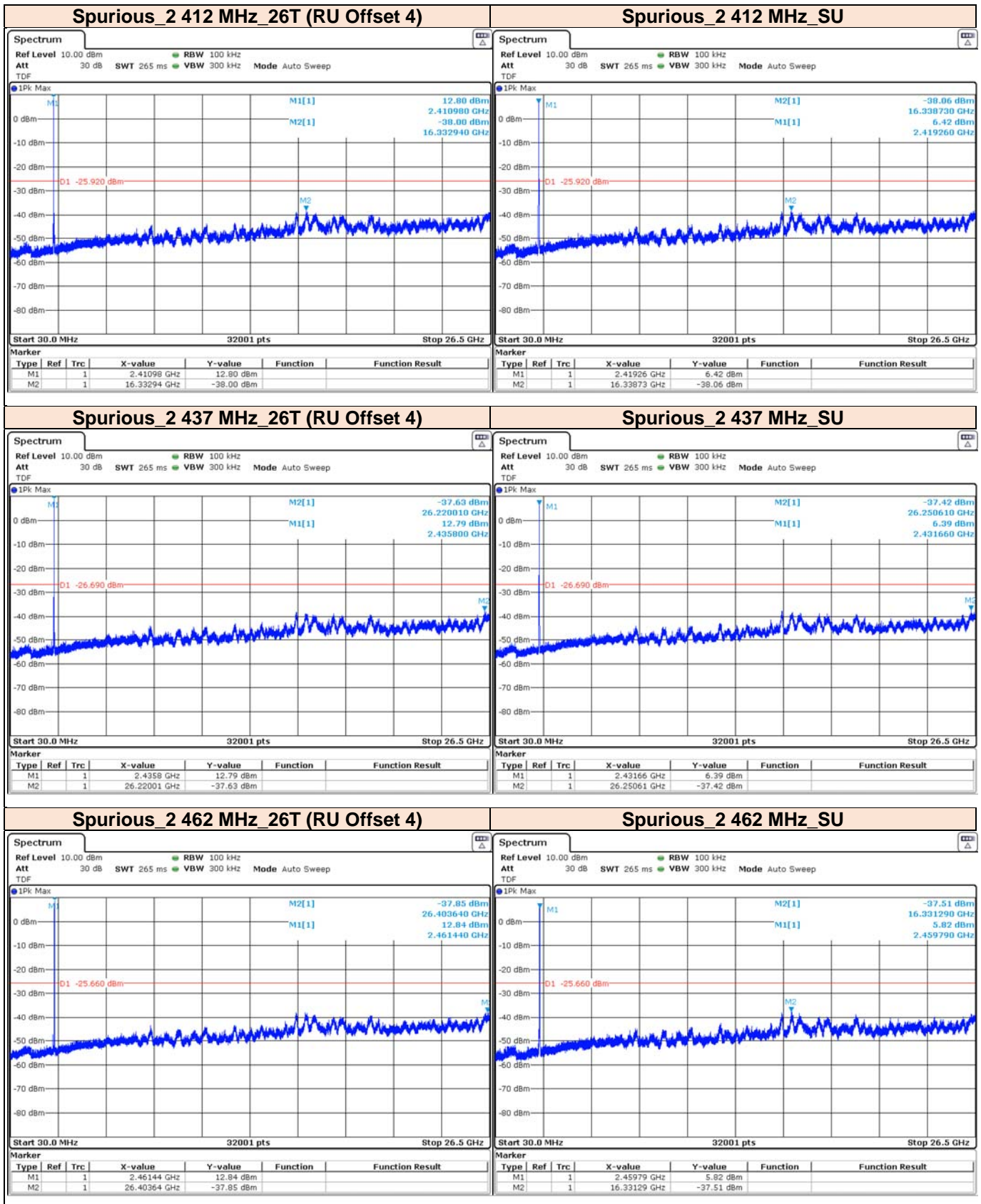
Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.4219837 GHz	3.85 dBm		
M2	1		2.3953736 GHz	-44.90 dBm		

Bandedge_2 437 MHz



Type	Ref	Trc	X-value	Y-value	Function	Function Result
M1	1		2.441986410 GHz	3.31 dBm		





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

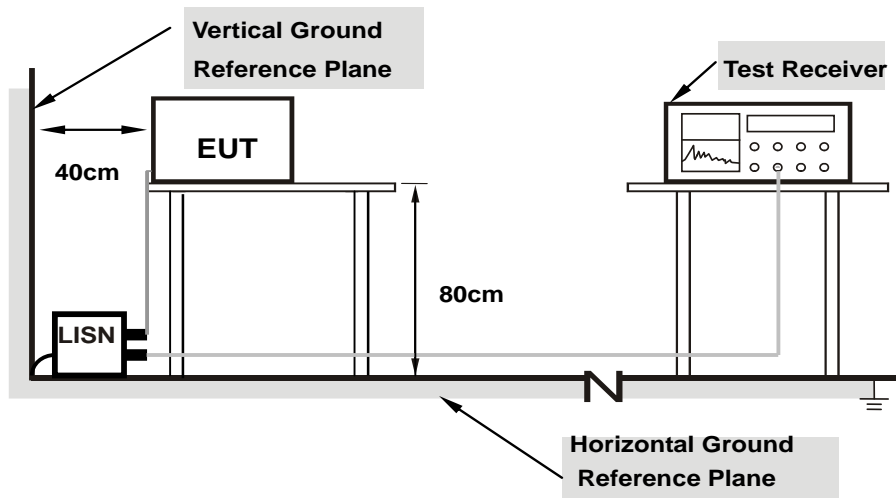
- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm / 50 μ H of coupling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

Please refer to the FCC DTS WLAN test report (200522K003-2).



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 -