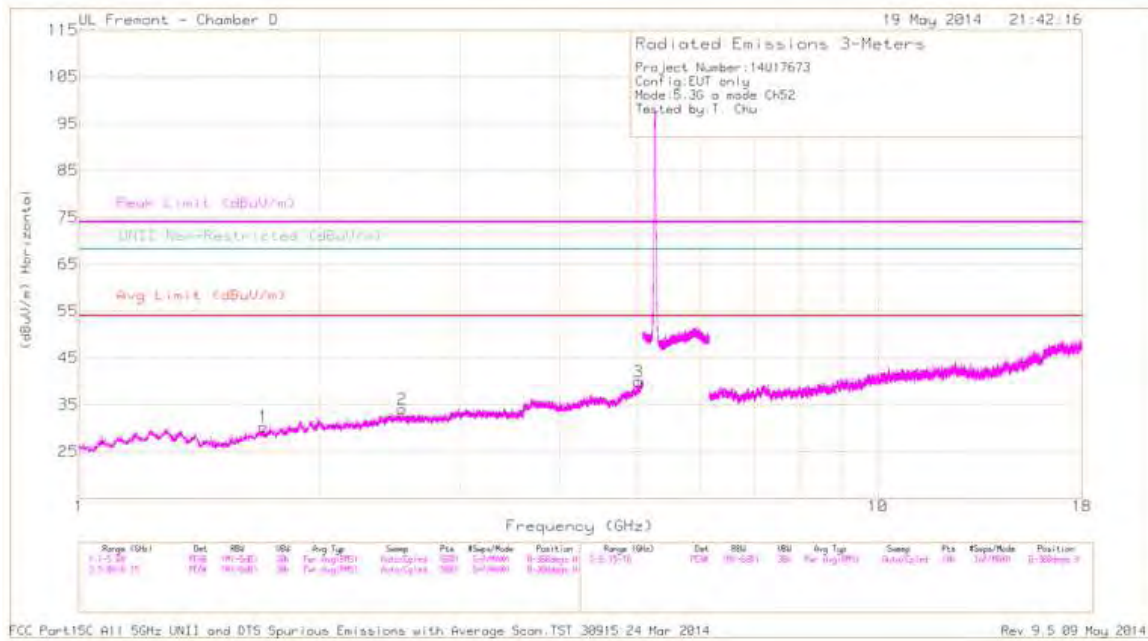


HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT, CH 52



LOW CHANNEL VERTICAL PLOT, CH 52



DATA

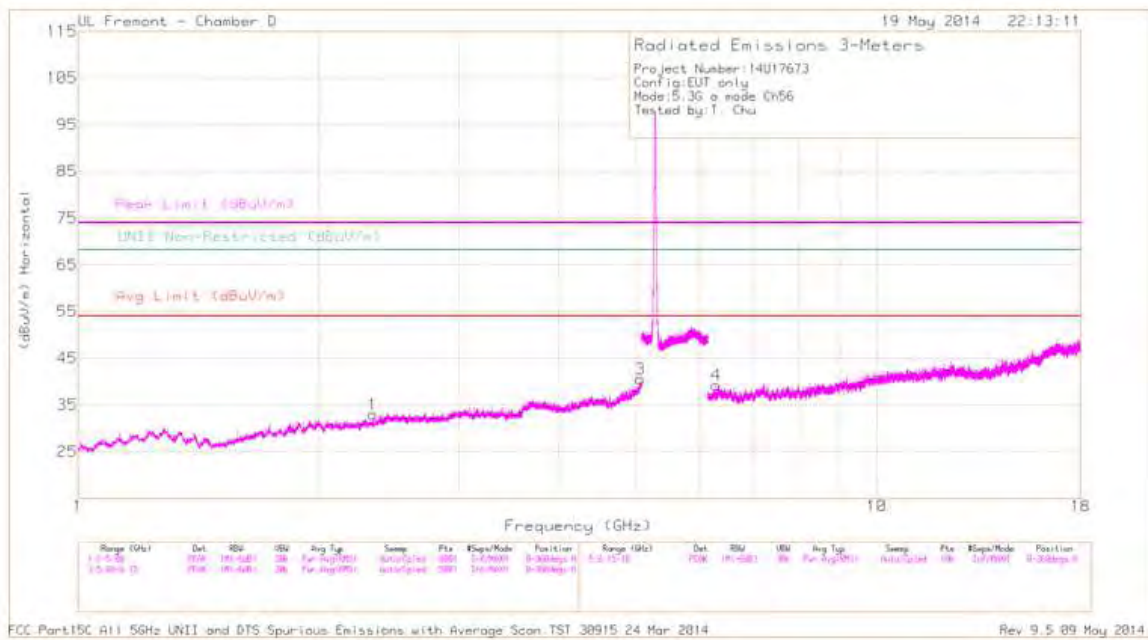
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T712 (dBm)	AmplCbl/ Filt/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.703	39.87	PK1	28.9	-31	0	37.77	-	-	74	-36.23	-	-	0	100	H
	* 1.703	28.46	AD1	28.9	-31	.1	26.46	54	- 27.54	-	-	-	-	0	100	H
2	2.538	40.31	PK1	32.1	-30.3	0	42.11	-	-	-	-	68.2	-26.09	0	100	H
3	* 5.014	38.86	PK1	33.5	-26.4	0	45.96	-	-	74	-28.04	-	-	0	100	H
	* 5.013	27.42	AD1	33.5	-26.4	.1	34.62	54	- 19.38	-	-	-	-	0	100	H
4	* 1.284	41.3	PK1	29.2	-31.3	0	39.2	-	-	74	-34.8	-	-	0	100	V
	* 1.284	29.4	AD1	29.2	-31.3	.1	27.4	54	-26.6	-	-	-	-	0	100	V
5	* 8.316	36.73	PK1	35.3	-24.1	0	47.93	-	-	74	-26.07	-	-	0	100	V
	* 8.316	25.24	AD1	35.3	-24.1	.1	36.54	54	- 17.46	-	-	-	-	0	100	V
6	14.926	36.27	PK1	38.9	-22.9	0	52.27	-	-	-	-	68.2	-15.93	0	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

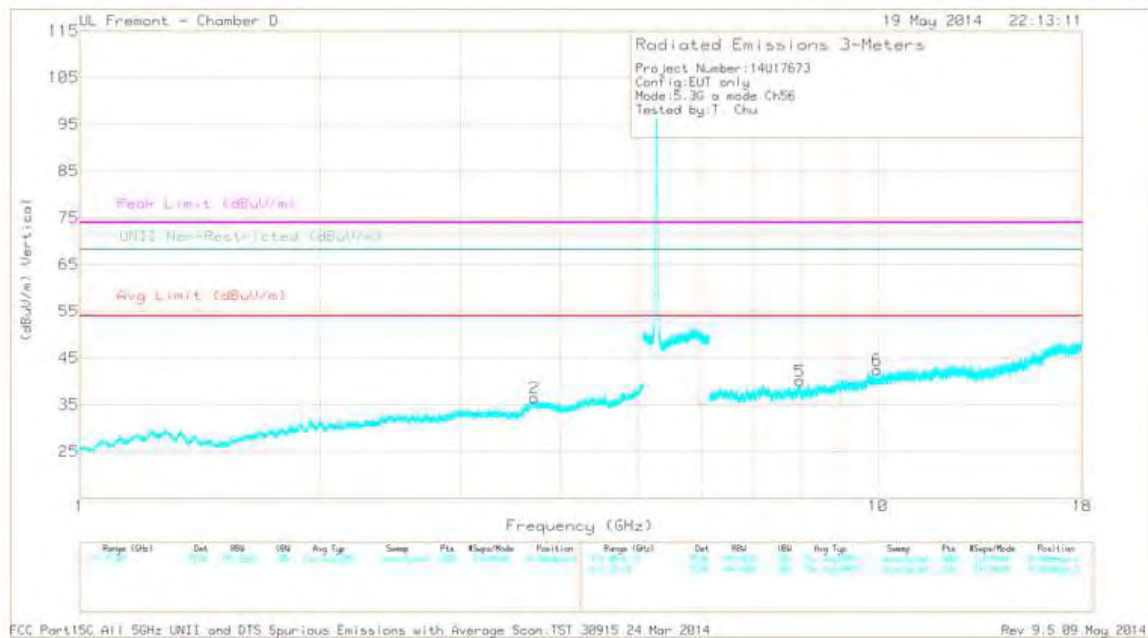
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

MID CHANNEL HORIZONTAL PLOT, CH 56



MID CHANNEL VERTICAL PLOT, CH 56

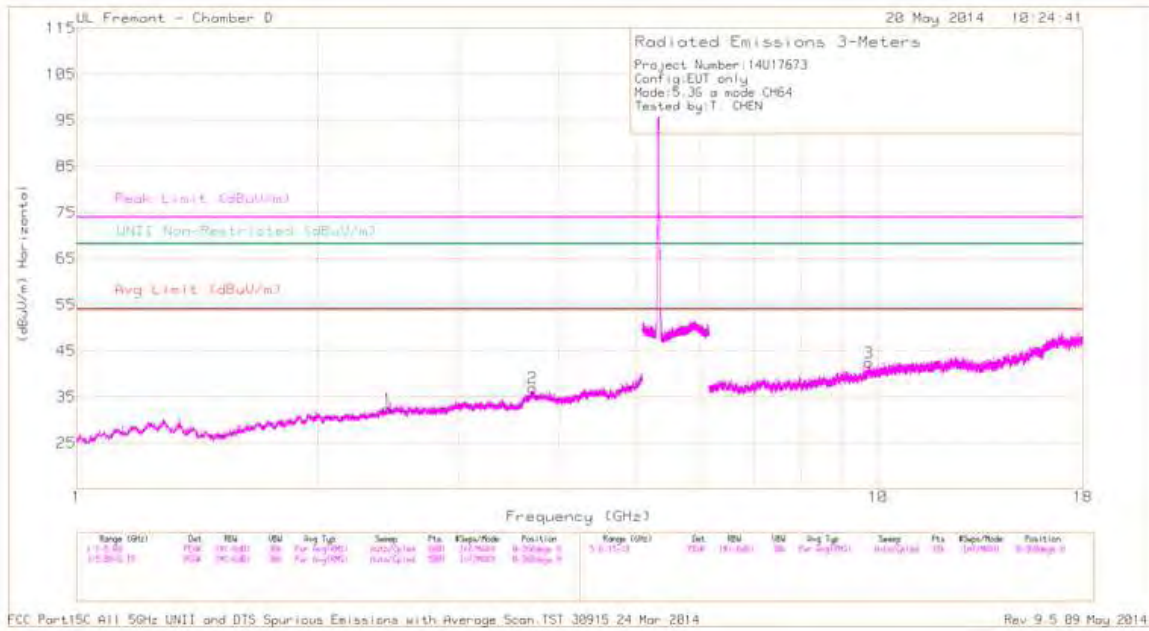


DATA

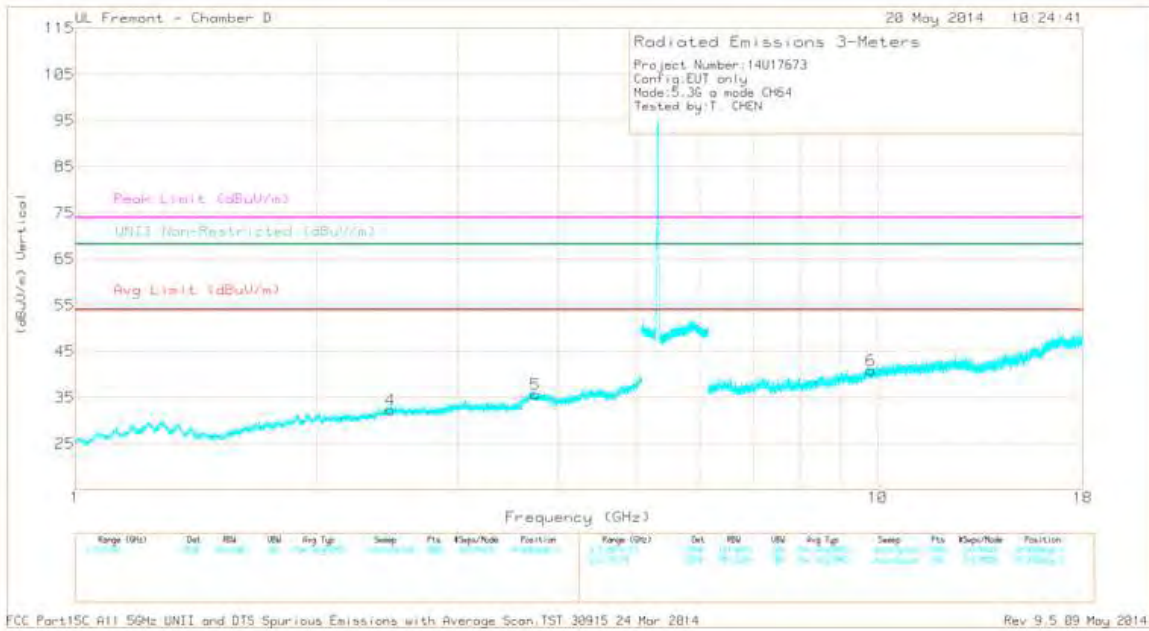
Marker	Frequenc y (GHz)	Meter Reading (dBuV)	Det	AF T712 (dBm)	AmplCbl/ Filt/Pad (dB)	DC Corr (dB)	Correcte d Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non- Restrict ed (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.34	39.86	PK1	31.2	-30.5	0	40.56	-	-	74	-33.44	-	-	0	100	H
	* 2.341	28.32	AD1	31.2	-30.5	.1	29.12	54	- 24.88	-	-	-	-	0	100	H
3	* 5.064	34.23	PK1	33.6	-25.1	0	42.73	-	-	74	-31.27	-	-	180	100	H
	* 5.065	27.7	AD1	33.6	-25.1	.1	36.3	54	-17.7	-	-	-	-	180	100	H
2	* 3.714	33.83	PK1	32.6	-28.5	0	37.93	-	-	74	-36.07	-	-	0	100	V
	* 3.714	27.25	AD1	32.6	-28.5	.1	31.45	54	- 22.55	-	-	-	-	0	100	V
4	6.298	29.38	PK1	34.9	-26	0	38.28	-	-	-	-	68.2	-29.92	0	100	H
5	7.979	28.94	PK1	35.3	-24.3	0	39.94	-	-	-	-	68.2	-28.26	0	100	V
6	9.978	26.96	PK1	36.8	-21.7	0	42.06	-	-	-	-	68.2	-26.14	0	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band
PK1 - KDB789033 Method: Peak
AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HORIZONTAL PLOT, CH 64



HIGH CHANNEL VERTICAL PLOT, CH 64



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/CBI/Fit riPad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.45	40.16	PK1	31.9	-29.8	42.26	-	-	-	-	68.2	-25.94	112	100	H
	2.45	28.83	AD1	31.9	-29.8	30.93	-	-	-	-	-	-	112	100	H
2	* 3.708	38.78	PK1	32.6	-28.4	42.98	-	-	74	-31.02	-	-	162	100	H
	* 3.706	27.23	AD1	32.6	-28.4	31.43	54	-22.57	-	-	-	-	162	100	H
3	9.739	35.06	PK1	36.4	-21.4	50.06	-	-	-	-	68.2	-18.14	11	184	H
	9.736	23.81	AD1	36.4	-21.4	38.81	-	-	-	-	-	-	11	184	H
4	2.471	38.6	PK1	32	-29.8	40.8	-	-	-	-	68.2	-27.4	11	202	V
	2.472	27.16	AD1	32	-29.8	29.36	-	-	-	-	-	-	11	202	V
5	* 3.744	38.73	PK1	32.7	-28.8	42.63	-	-	74	-31.37	-	-	147	100	V
	* 3.745	26.97	AD1	32.7	-28.8	30.87	54	-23.13	-	-	-	-	147	100	V
6	9.804	34.5	PK1	36.5	-21.8	49.2	-	-	-	-	68.2	-19	11	118	V
	9.806	23.48	AD1	36.5	-21.8	38.18	-	-	-	-	-	-	11	118	V

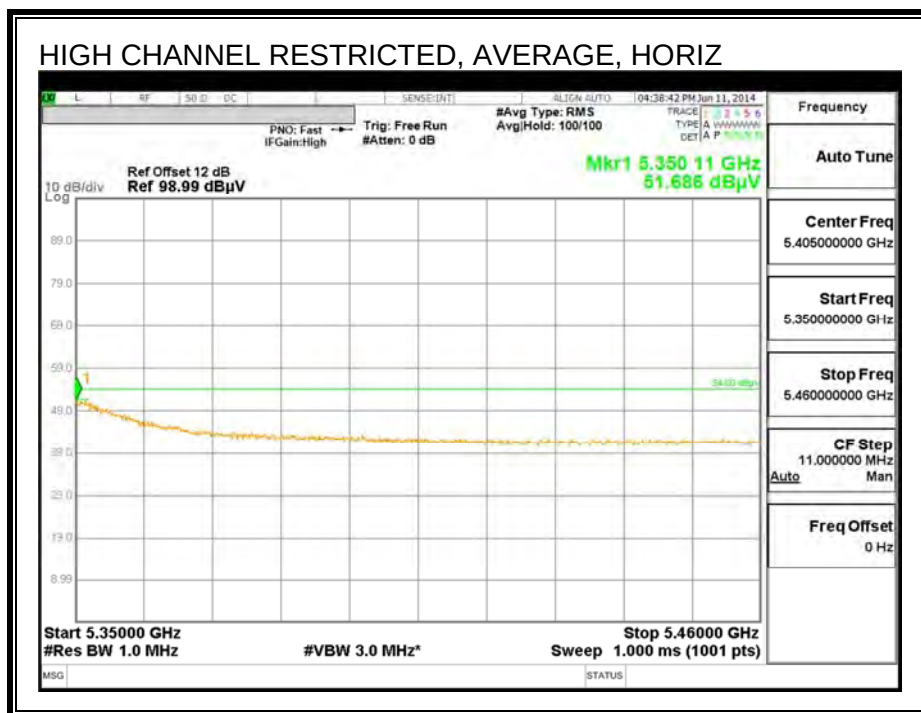
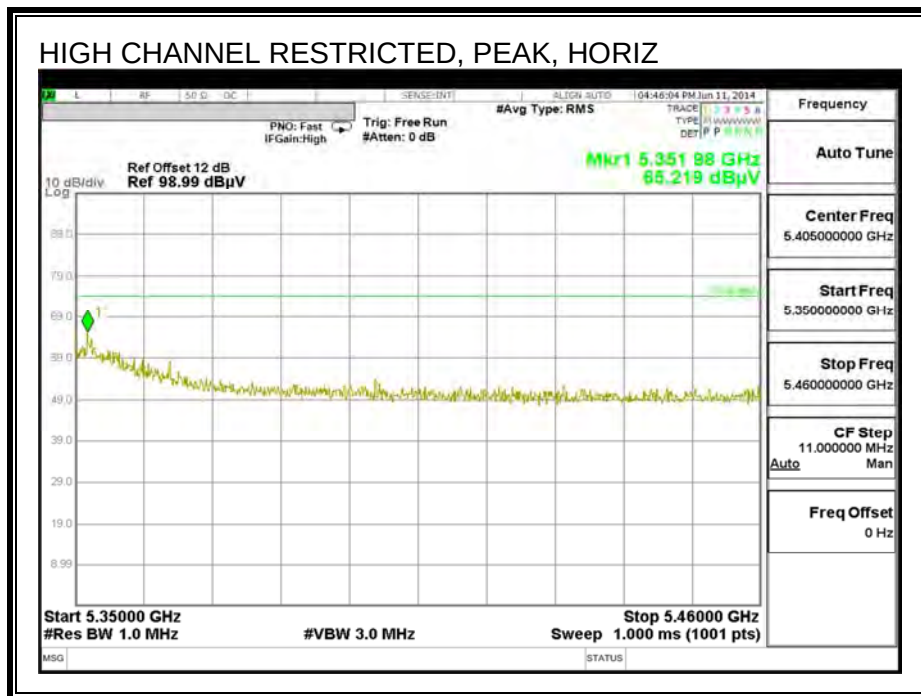
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

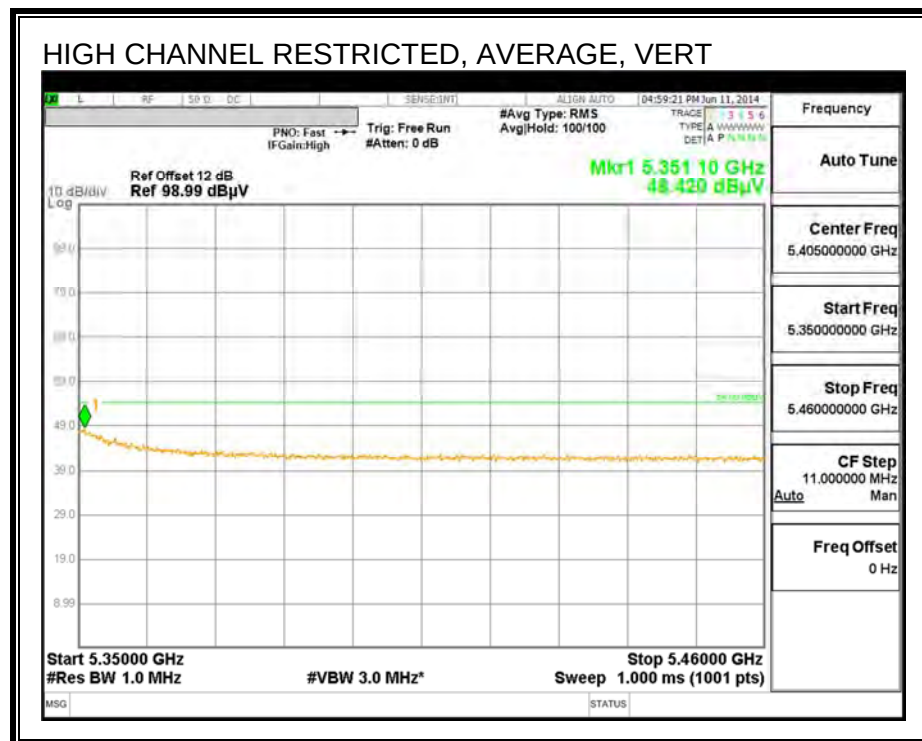
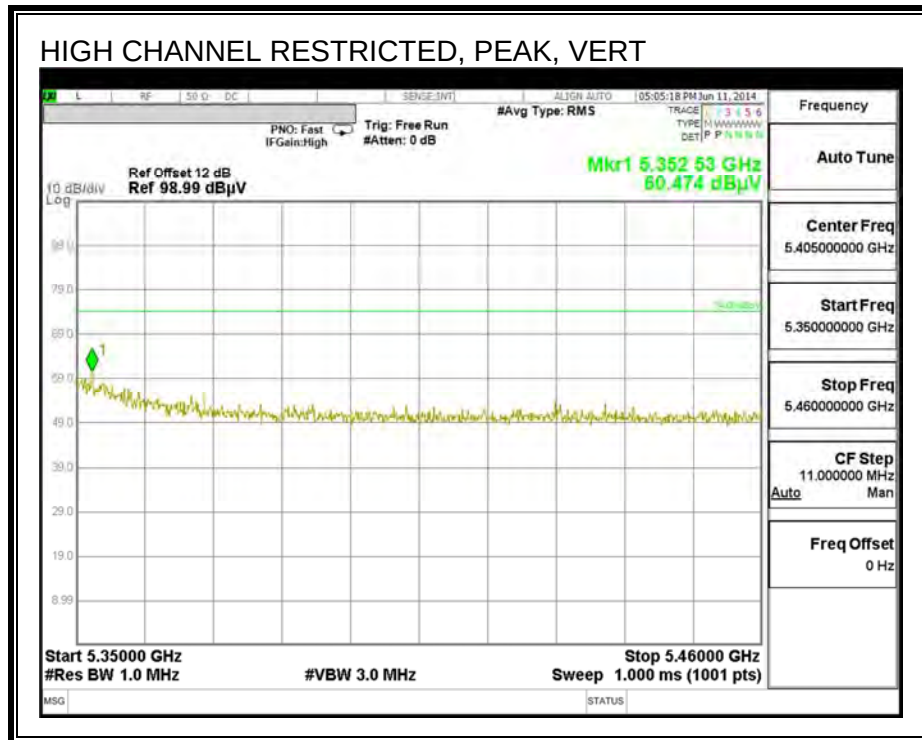
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

10.2.6. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.3 GHz BAND

RESTRICTED BANDEDGE (HIGH CHANNEL)





DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dBm)	Amp/CbI/Fit rIPad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.714	34.17	PK1	32.6	-28.5	38.27	-	-	74	-35.73	-	-	324	361	H
* 3.718	27.12	AD1	32.6	-28.6	31.12	54	-22.88	-	-	-	-	324	361	H
* 3.778	38.71	PK1	32.7	-28.7	42.71	-	-	74	-31.29	-	-	245	139	V
* 3.778	27.09	AD1	32.7	-28.7	31.09	54	-22.91	-	-	-	-	245	139	V
7.194	36.34	PK1	35.1	-23.7	47.74	-	-	-	-	68.2	-20.46	245	139	V
7.194	25.1	AD1	35.1	-23.8	36.4	-	-	-	-	-	-	245	139	V
7.225	35.26	PK1	35.1	-23.8	46.56	-	-	-	-	68.2	-21.64	124	202	H
7.226	24.04	AD1	35.1	-23.7	35.44	-	-	-	-	-	-	124	202	H
10.1	35.16	PK1	36.8	-21.5	50.46	-	-	-	-	68.2	-17.74	310	202	H
10.1	22.7	AD1	36.8	-21.5	38	-	-	-	-	-	-	310	202	H
10.135	22.44	AD1	36.9	-21.2	38.14	-	-	-	-	-	-	306	202	V
10.137	33.95	PK1	36.9	-21.2	49.65	-	-	-	-	68.2	-18.55	306	202	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

UL Fremont - Chamber D

21 May 2014 10:28:30

Radiated Emissions 3-Meters

Project Number: 14U17673

Config: EUT only

Mode: 5.3G 11n AT20, CH60

Tested by: T. CHEN

Peak Limit (dBuV/m)

UNII Non-Restricted (dBuV/m)

Avg Limit (dBuV/m)

(dBuV/m) Horizontal

Frequency (GHz)

Range (GHz) 1.1-2.52

Det PSM

RBW 100 kHz

RBW 100 kHz

Avg Type Pwr Avg

Sweep Rate 1000

Pk 500

KHz/Mode 500

Position 9-20 Range 1

Range (GHz) 5.0-75.0

Det PSM

RBW 100 kHz

RBW 100 kHz

Avg Type Pwr Avg

Sweep Rate 1000

Pk 500

KHz/Mode 500

Position 9-20 Range 1

FCC Part 15C All 5GHz UNII and DTS Spurious Emissions with Average Scan, TST 30915 24 Mar 2014

Rev 9.5 09 May 2014

UL Fremont - Chamber D

21 May 2014 10:28:30

Radiated Emissions 3-Meters
 Project Number: 14U17673
 Config: EUT only
 Mode: 5.35 11n RT20, CH68
 Tested by: T. CHEN

Peak Limit (dBuV/m)
 UNII Non-Restricted (dBuV/m)
 Avg Limit (dBuV/m)

(dBuV/m) Vertical

Frequency (GHz)

Range (GHz) Det. BW Span UFR Avg Type Sweep Pres. Modulation Mode Position

Range (GHz) Det. BW Span UFR Avg Type Sweep Pres. Modulation Mode Position

FCC Part 15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 30915 24 Mar 2014

Rev 9.5 09 May 2014

DATA

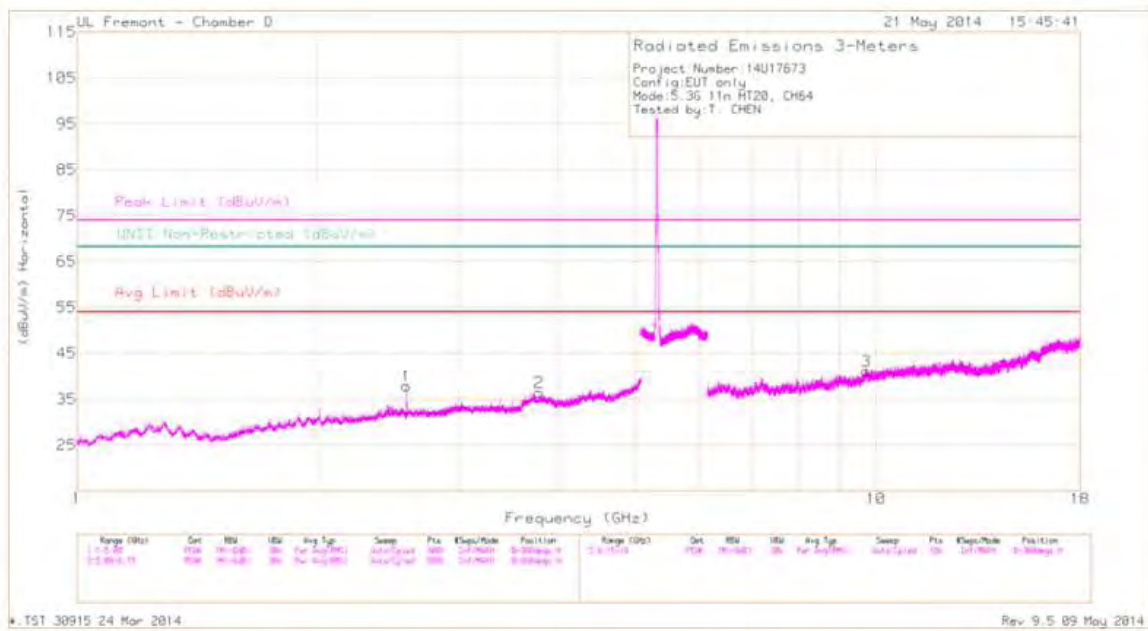
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.707	38.62	PK1	32.6	-28.4	42.82	-	-	74	-31.18	-	-	274	202	H
* 3.708	27.12	AD1	32.6	-28.4	31.32	54	-22.68	-	-	-	-	274	202	H
* 4.768	38.08	PK1	33.5	-27.1	44.48	-	-	74	-29.52	-	-	231	202	V
* 4.77	26.79	AD1	33.5	-27.1	33.19	54	-20.81	-	-	-	-	231	202	V
7.057	36.57	PK1	35.1	-25.9	45.77	-	-	-	-	68.2	-22.43	320	100	V
7.057	25.4	AD1	35.1	-25.9	34.6	-	-	-	-	-	-	320	100	V
7.215	24.1	AD1	35.1	-23.8	35.4	-	-	-	-	-	-	283	202	H
7.219	35.68	PK1	35.1	-23.8	46.98	-	-	-	-	68.2	-21.22	283	202	H
9.72	34.35	PK1	36.4	-21.4	49.35	-	-	-	-	68.2	-18.85	222	100	H
9.721	23	AD1	36.4	-21.4	38	-	-	-	-	-	-	222	100	H
9.91	34.11	PK1	36.7	-21.4	49.41	-	-	-	-	68.2	-18.79	15	100	V
9.911	22.5	AD1	36.7	-21.4	37.8	-	-	-	-	-	-	15	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

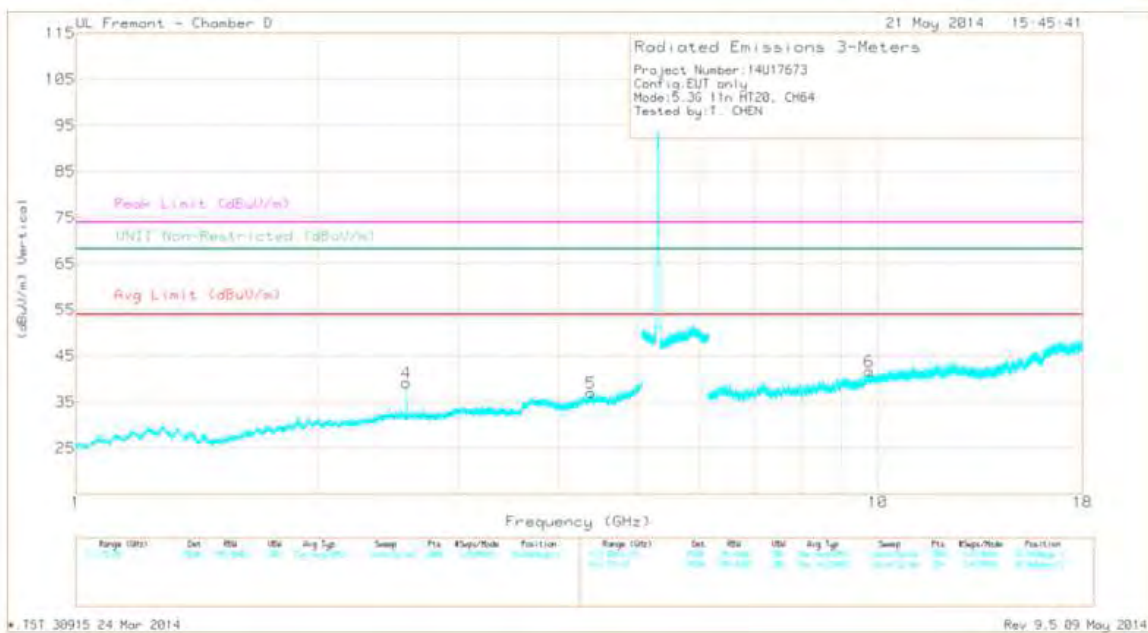
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HORIZONTAL PLOT, CH 64



HIGH CHANNEL VERTICAL PLOT, CH 64



DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/CbllFit rIPad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.79	38.76	PK1	32.7	-28.9	42.56	-	-	74	-31.44	-	-	235	202	H
* 3.792	27.4	AD1	32.7	-28.9	31.2	54	-22.8	-	-	-	-	235	202	H
* 4.385	38.25	PK1	33.2	-27.9	43.55	-	-	74	-30.45	-	-	216	100	V
* 4.389	26.72	AD1	33.2	-27.9	32.02	54	-21.98	-	-	-	-	216	100	V
2.584	43.54	PK1	32	-30.3	45.24	-	-	-	-	68.2	-22.96	234	373	H
2.584	33.61	AD1	32	-30.3	35.31	-	-	-	-	-	-	234	373	H
2.584	45.67	PK1	32	-30.3	47.37	-	-	-	-	68.2	-20.83	236	176	V
2.584	38.49	AD1	32	-30.3	40.19	-	-	-	-	-	-	236	176	V
9.731	34.72	PK1	36.4	-21.3	49.82	-	-	-	-	68.2	-18.38	63	100	H
9.732	23.03	AD1	36.4	-21.3	38.13	-	-	-	-	-	-	63	100	H
9.756	22.84	AD1	36.4	-21.6	37.64	-	-	-	-	-	-	271	202	V
9.758	34.12	PK1	36.4	-21.7	48.82	-	-	-	-	68.2	-19.38	271	202	V

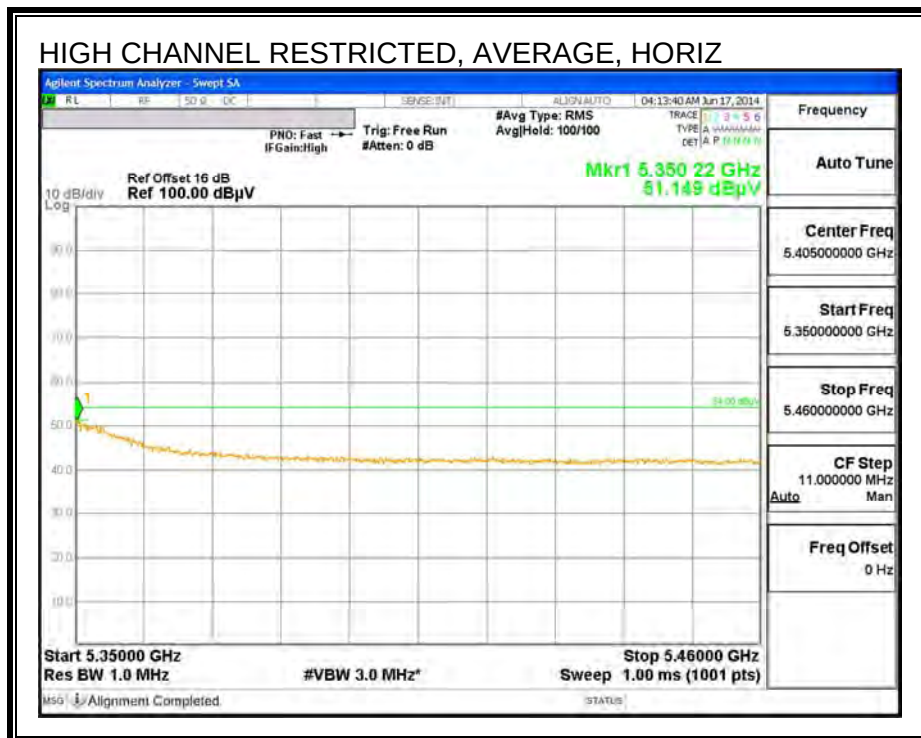
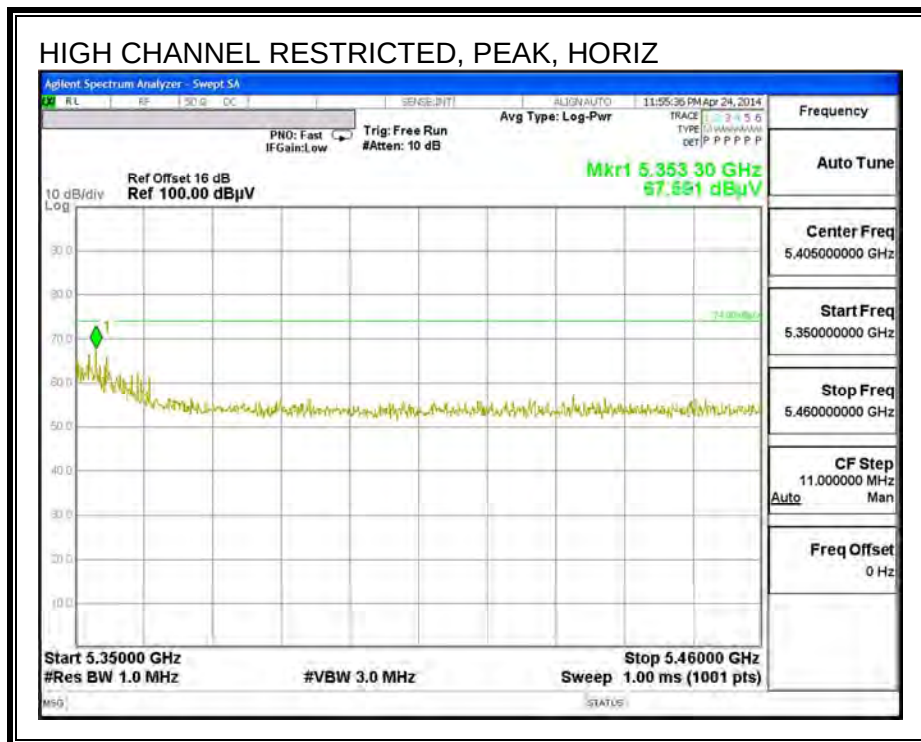
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

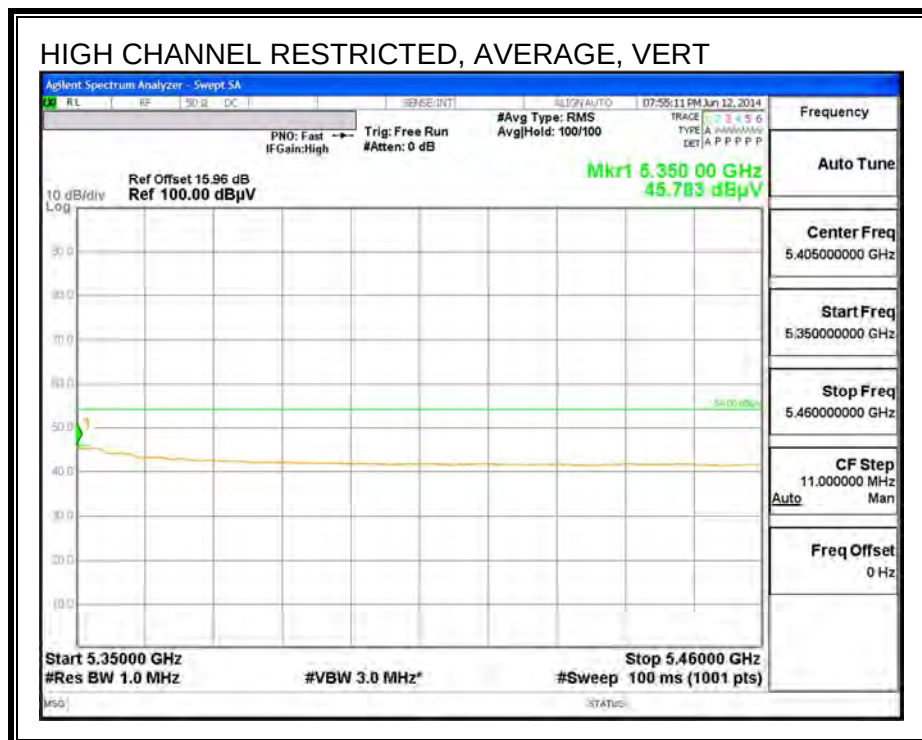
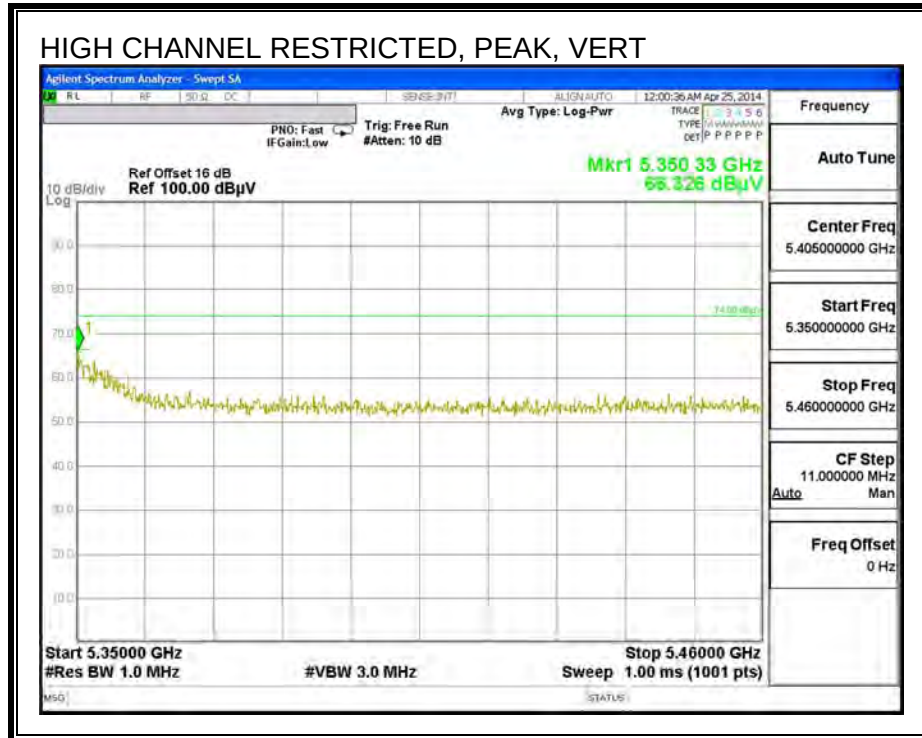
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

10.2.7. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.3 GHz BAND

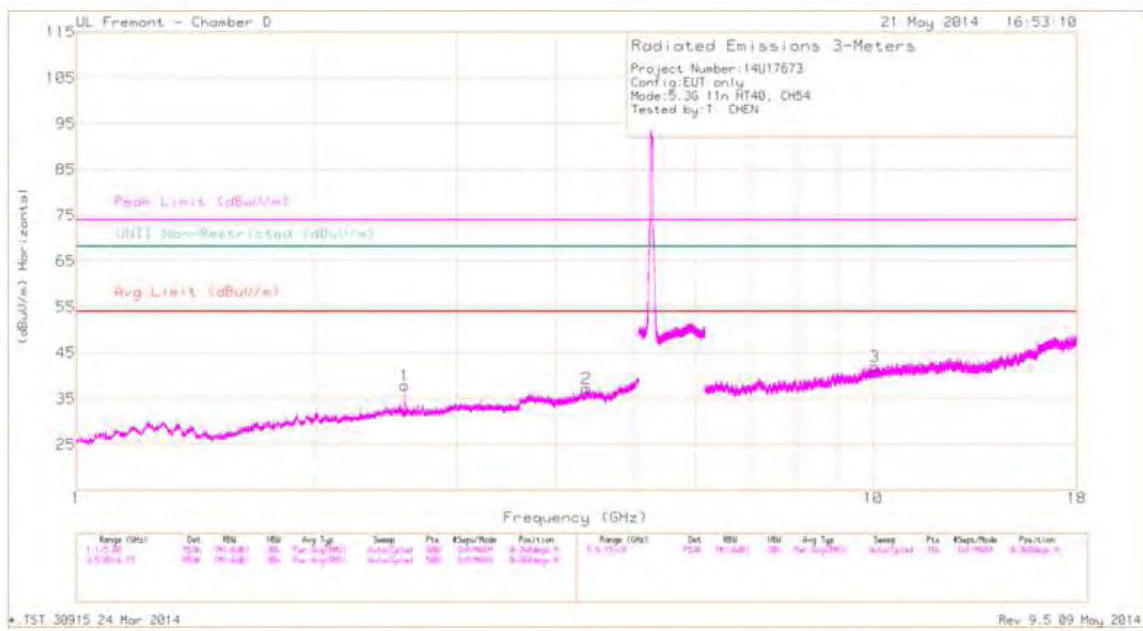
RESTRICTED BANDEDGE (HIGH CHANNEL)



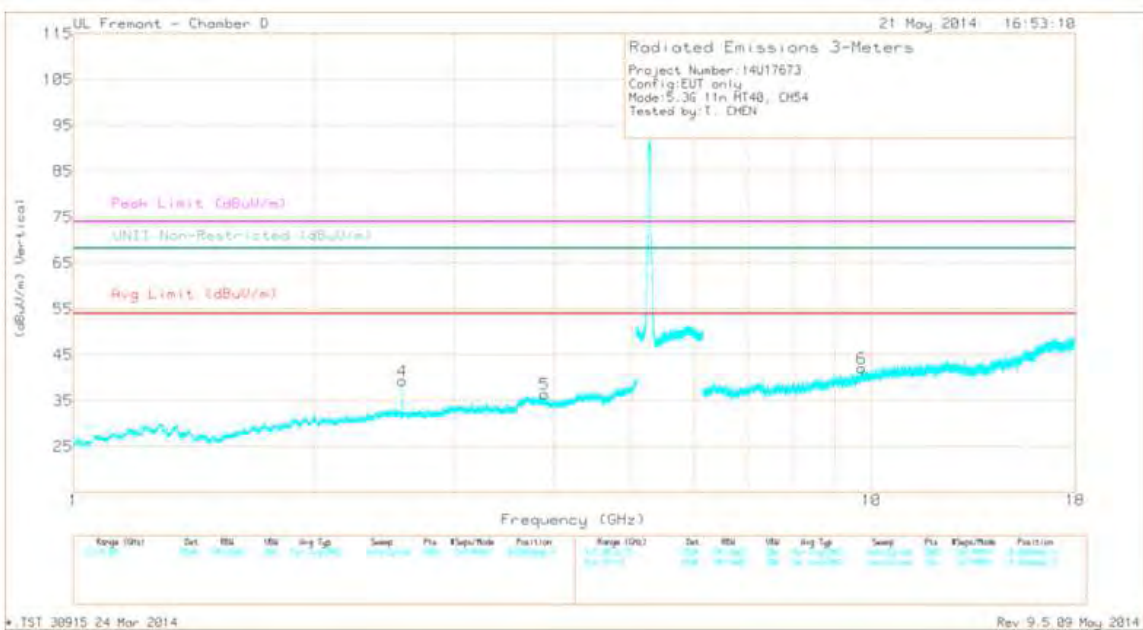


HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT, CH 54



LOW CHANNEL VERTICAL PLOT, CH 54



DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dBm)	Amp/CBI/Ftr/P ad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNI Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.364	39.63	PK 1	33.2	-28	44.83	-	-	74	-29.17	-	-	306	101	H
* 4.364	27.24	AD 1	33.2	-28	32.44	54	-21.56	-	-	-	-	306	101	H
* 3.896	38.87	PK 1	32.8	-28.7	42.97	-	-	74	-31.03	-	-	126	101	V
* 3.9	27.6	AD 1	32.8	-28.7	31.7	54	-22.3	-	-	-	-	126	101	V
2.58	39.09	PK 1	32	-30.3	40.79	-	-	-	-	68.2	-27.41	235	202	V
2.589	27.5	AD 1	32	-30.3	29.2	-	-	-	-	-	-	235	202	V
2.584	39.35	PK 1	32	-30.3	41.05	-	-	-	-	68.2	-27.15	113	101	H
2.584	27.09	AD 1	32	-30.3	28.79	-	-	-	-	-	-	113	101	H
9.721	34.74	PK 1	36.4	-21.4	49.74	-	-	-	-	68.2	-18.46	253	202	V
9.722	23.07	AD 1	36.4	-21.4	38.07	-	-	-	-	-	-	253	202	V
10.045	35.3	PK 1	36.8	-21.8	50.3	-	-	-	-	68.2	-17.9	258	101	H
10.046	22.5	AD 1	36.8	-21.9	37.4	-	-	-	-	-	-	258	101	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HORIZONTAL PLOT, CH 62



HIGH CHANNEL VERTICAL PLOT, CH 62



DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F Itr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.86	38.78	PK1	32.8	-28.7	42.88	-	-	74	-31.12	-	-	21	202	H
* 3.859	27.36	AD1	32.8	-28.7	31.46	54	-22.54	-	-	-	-	21	202	H
* 3.69	38.94	PK1	32.6	-28.6	42.94	-	-	74	-31.06	-	-	0	201	V
* 3.695	27.2	AD1	32.6	-28.6	31.2	54	-22.8	-	-	-	-	0	201	V
* 9.111	34.96	PK1	35.8	-22.2	48.56	-	-	74	-25.44	-	-	205	201	V
* 9.115	23.24	AD1	35.8	-22.2	36.84	54	-17.16	-	-	-	-	205	201	V
1.888	40.02	PK1	30.1	-30.4	39.72	-	-	-	-	68.2	-28.48	329	201	V
1.892	28.4	AD1	30.1	-30.3	28.2	-	-	-	-	-	-	329	201	V
1.893	40.37	PK1	30.1	-30.3	40.17	-	-	-	-	68.2	-28.03	0	201	H
1.892	28.48	AD1	30.1	-30.3	28.28	-	-	-	-	-	-	0	201	H
9.732	23.07	AD1	36.4	-21.3	38.17	-	-	-	-	-	-	14	100	H
9.736	34.25	PK1	36.4	-21.3	49.35	-	-	-	-	68.2	-18.85	14	100	H

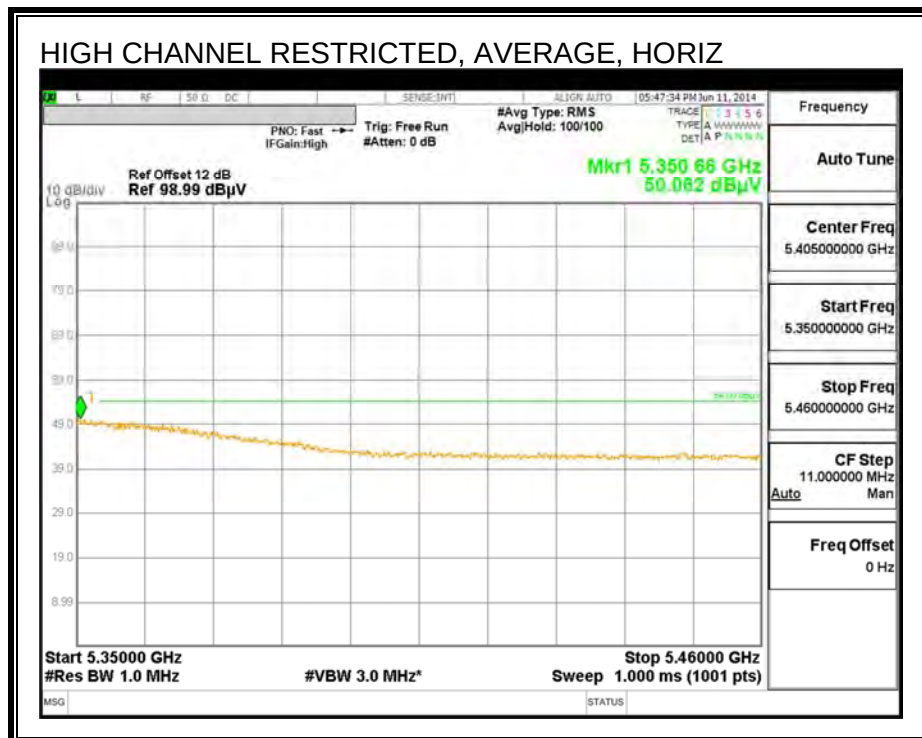
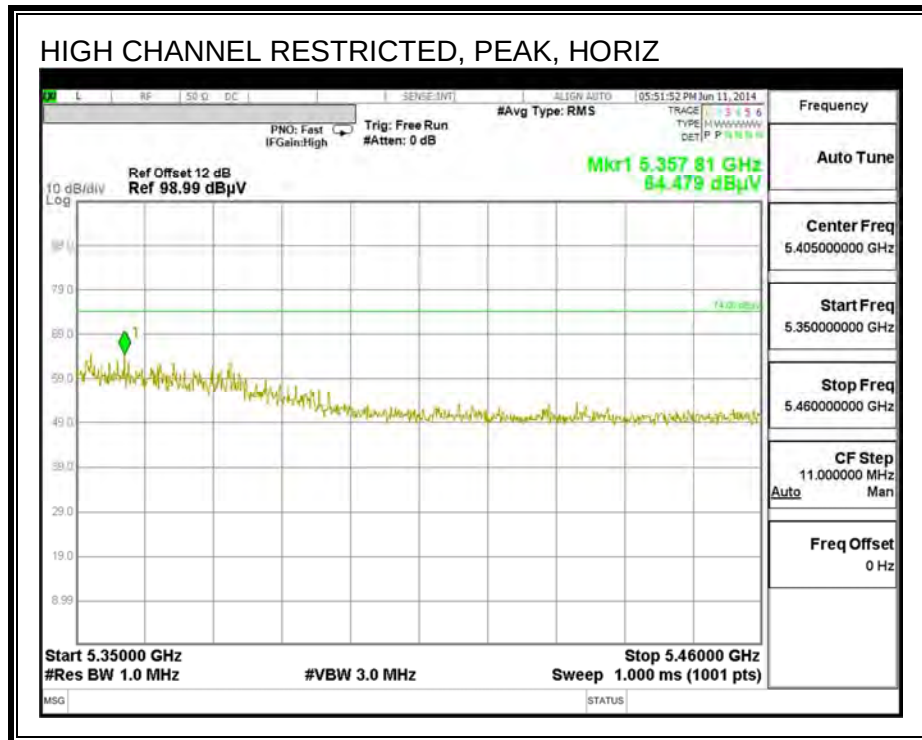
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

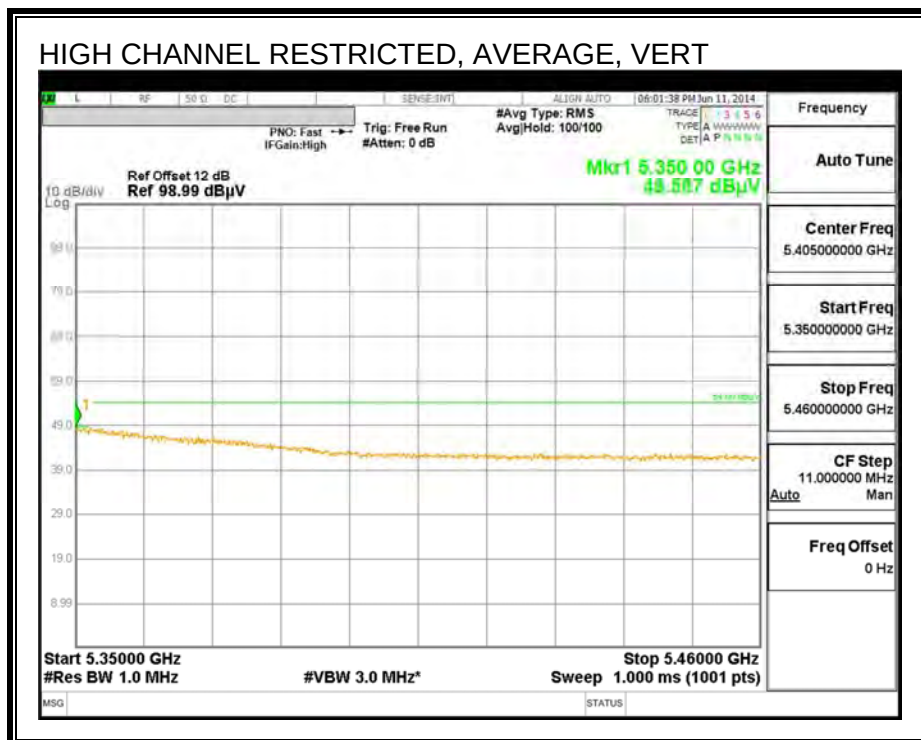
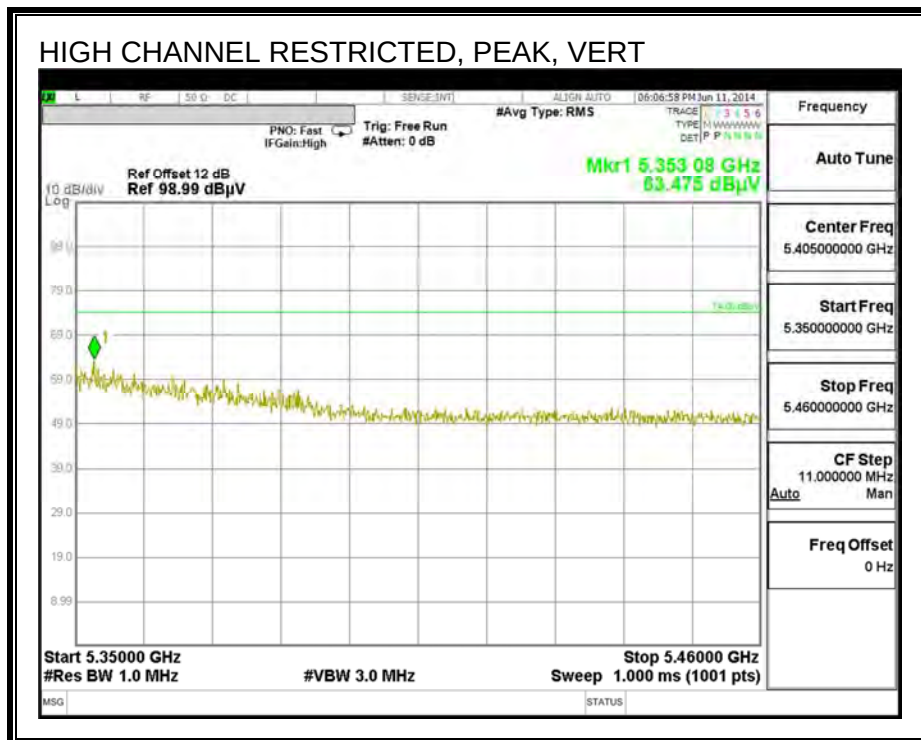
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

10.2.8. TX ABOVE 1G 802.11ac 80MHz MODE IN THE 5.3 GHz BAND

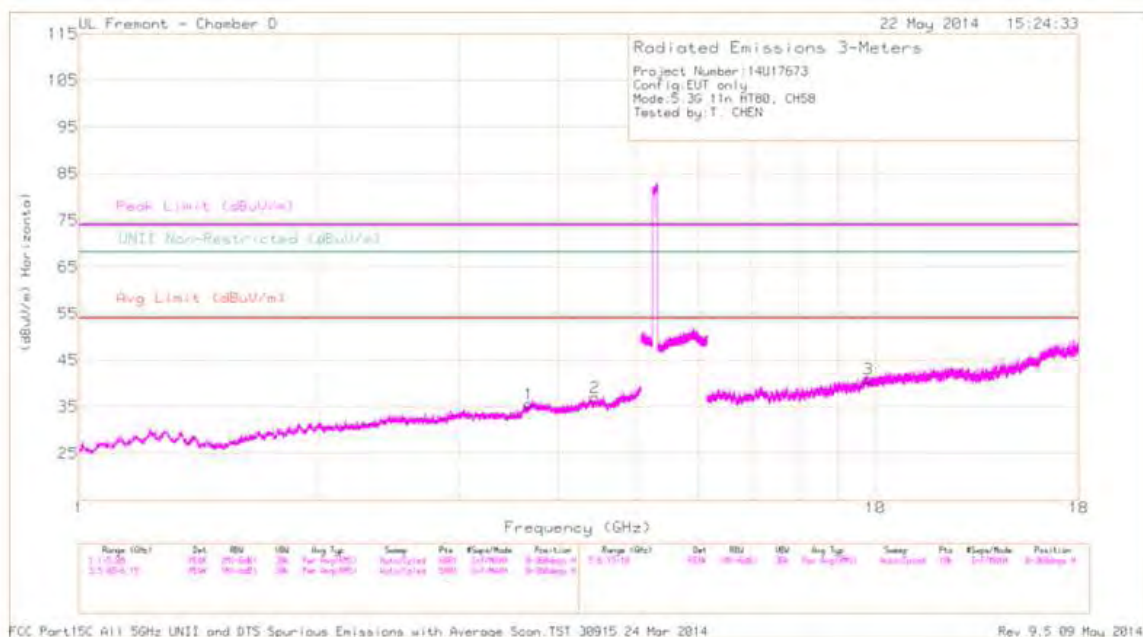
RESTRICTED BANDEDGE (HIGH CHANNEL, CH 58)





HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL PLOT, CH 58



HIGH CHANNEL VERTICAL PLOT, CH 58



DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F Itr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.682	38.35	PK1	32.6	-28.5	42.45	-	-	74	-31.55	-	-	178	202	H
* 3.682	27.09	AD1	32.6	-28.5	31.19	54	-22.81	-	-	-	-	178	202	H
* 3.696	39.77	PK1	32.6	-28.6	43.77	-	-	74	-30.23	-	-	27	202	V
* 3.696	27.18	AD1	32.6	-28.5	31.28	54	-22.72	-	-	-	-	27	202	V
* 4.543	38.94	PK1	33.5	-27.4	45.04	-	-	74	-28.96	-	-	132	202	V
* 4.549	27.17	AD1	33.5	-27.8	32.87	54	-21.13	-	-	-	-	132	202	V
4.444	38.08	PK1	33.4	-27.4	44.08	-	-	-	-	68.2	-24.12	114	100	H
4.451	26.83	AD1	33.4	-27.5	32.73	-	-	-	-	-	-	114	100	H
9.792	34.26	PK1	36.5	-21.7	49.06	-	-	-	-	68.2	-19.14	38	100	H
9.797	22.81	AD1	36.5	-21.7	37.61	-	-	-	-	-	-	38	100	H
9.873	22.85	AD1	36.6	-21.8	37.65	-	-	-	-	-	-	63	100	V
9.877	34.49	PK1	36.6	-21.8	49.29	-	-	-	-	68.2	-18.91	63	100	V

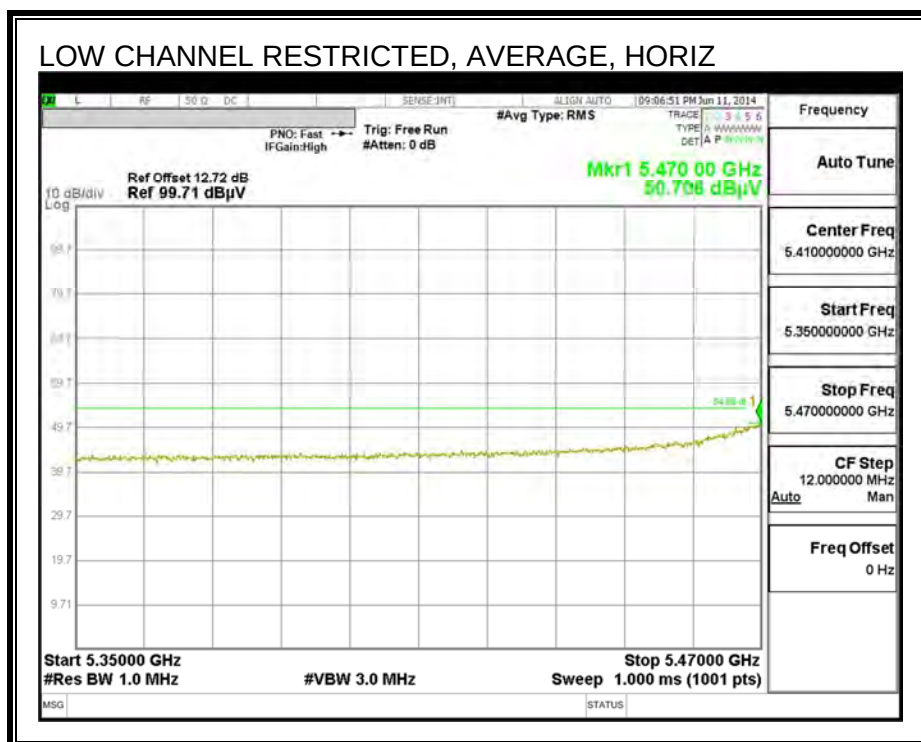
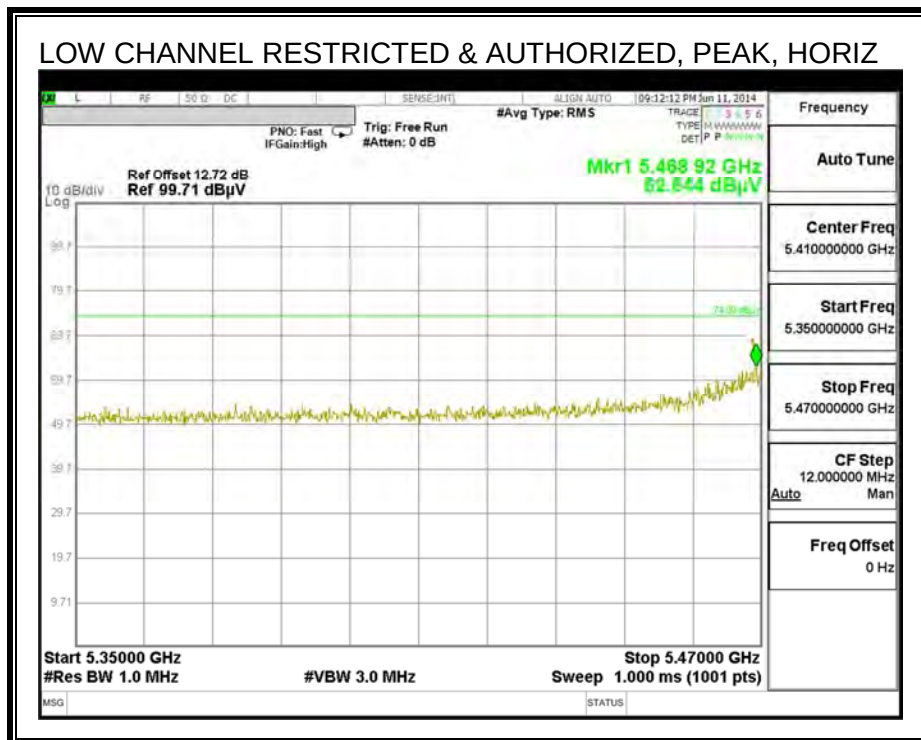
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

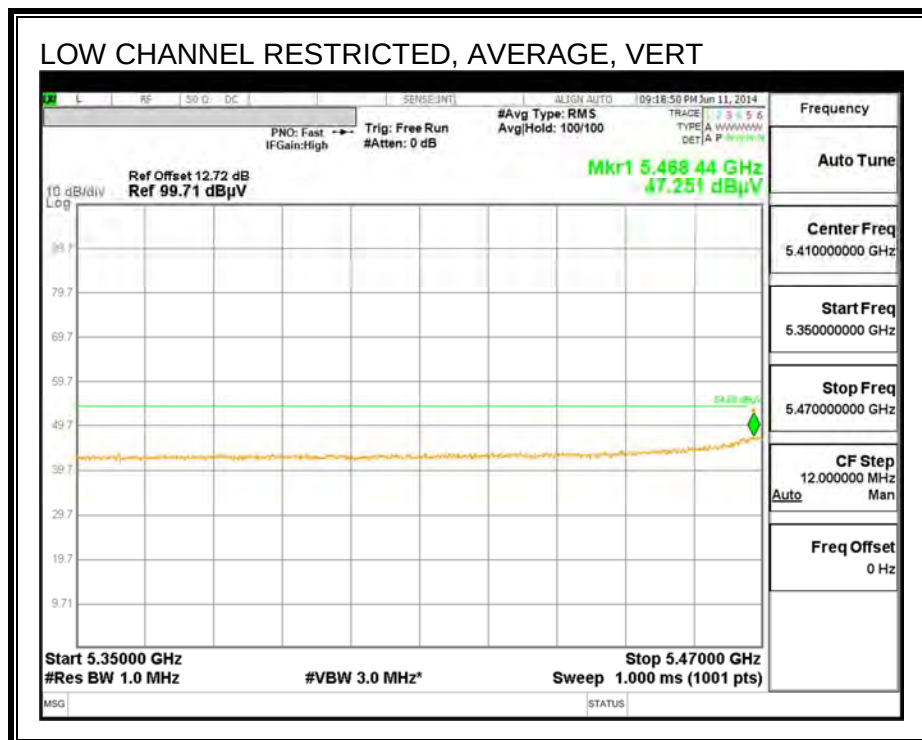
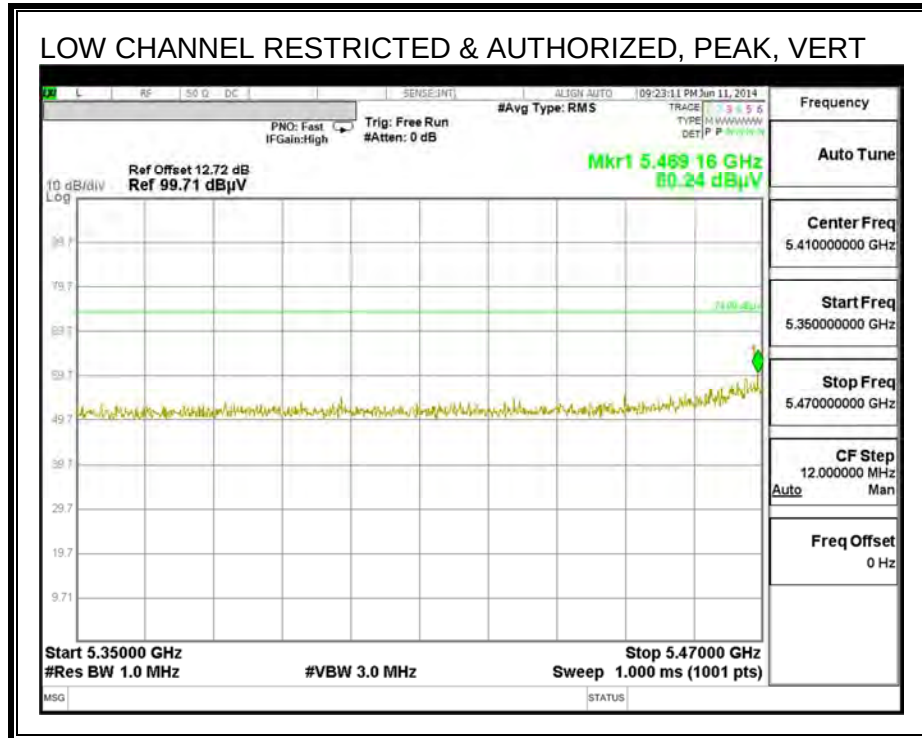
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

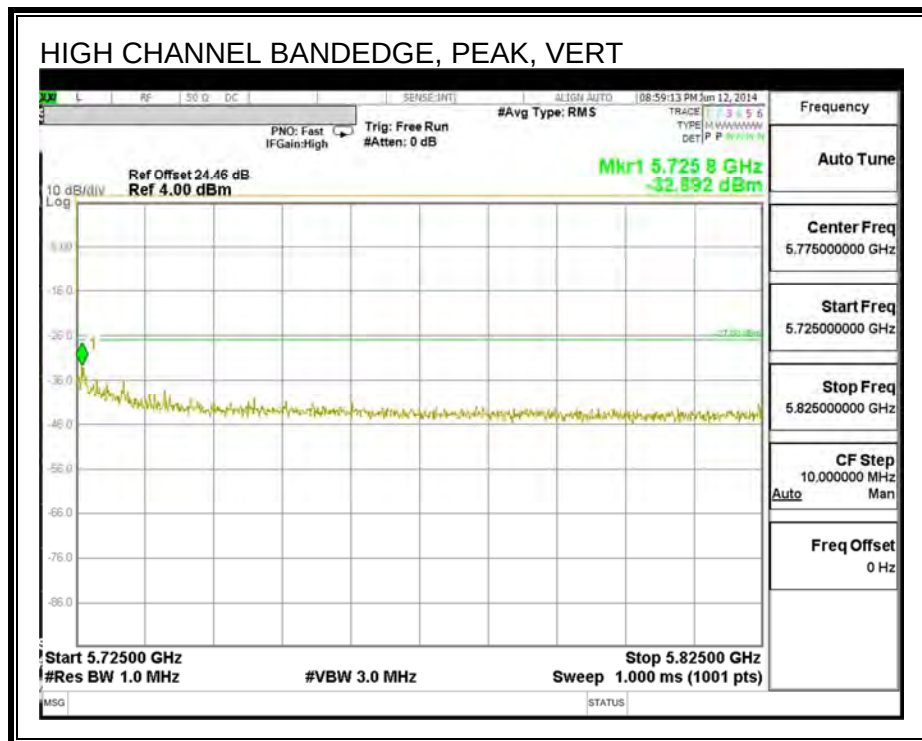
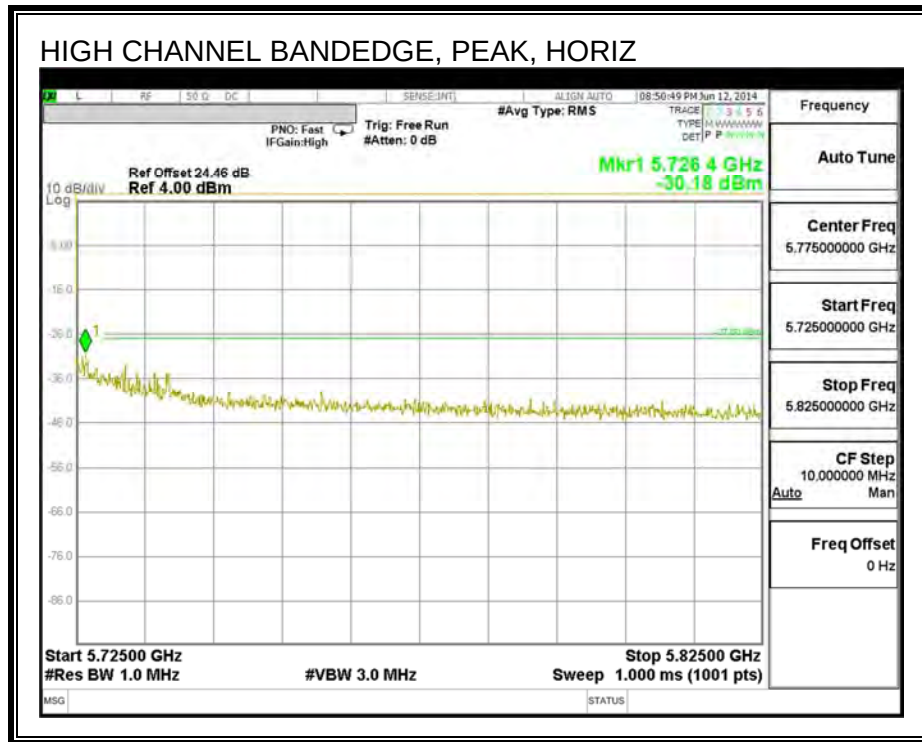
10.2.9. TX ABOVE 1 GHz 802.11a MODE IN THE 5.6 GHz BAND

RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL)

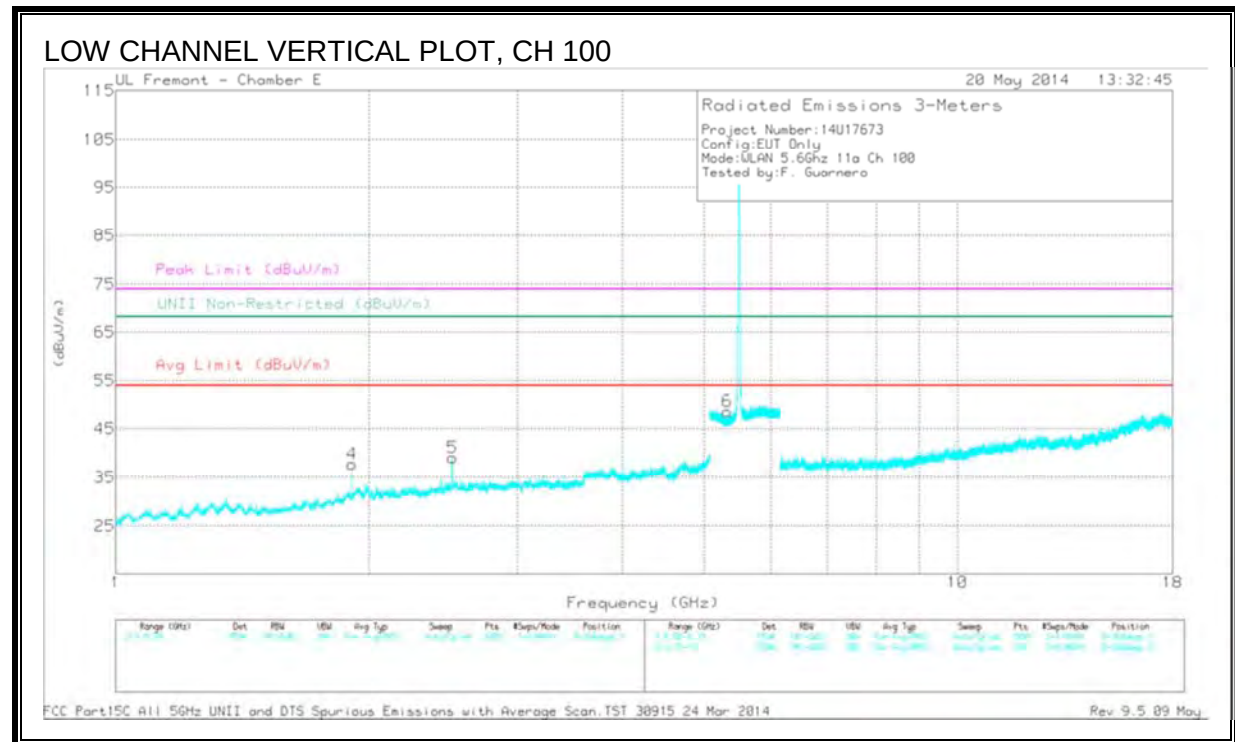
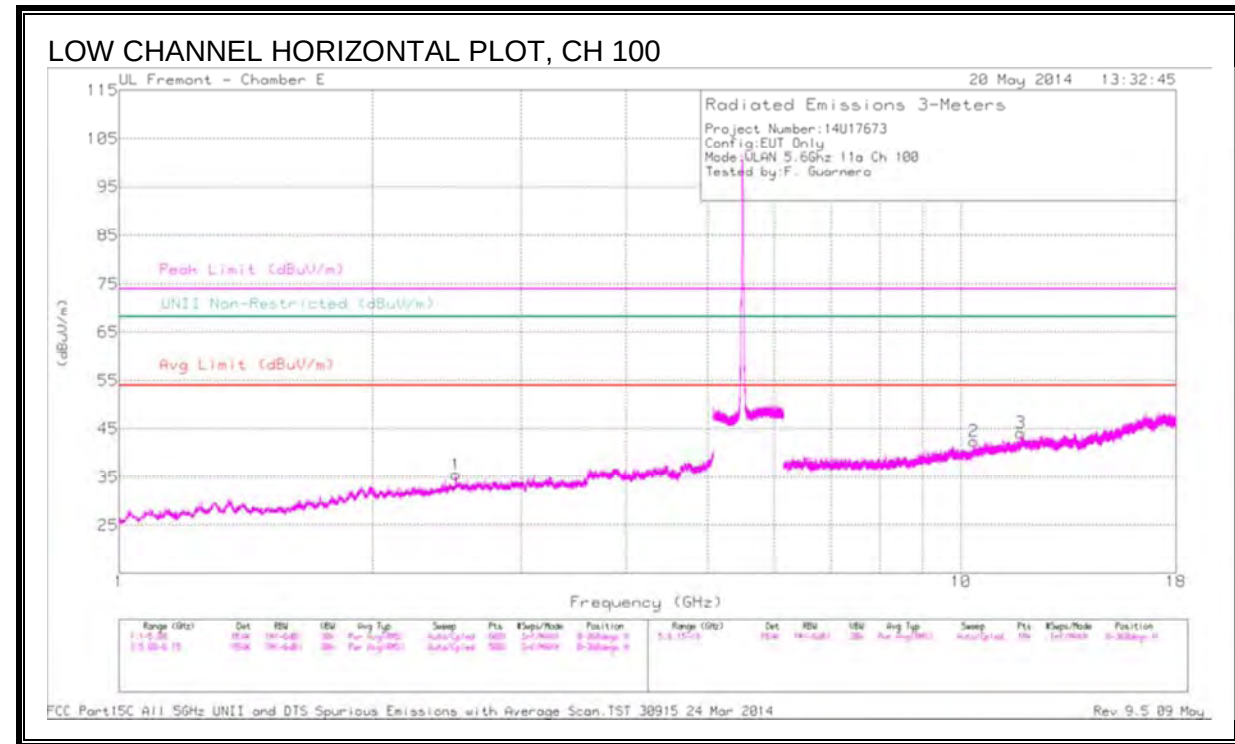




AUTHORIZED BANDEDGE (HIGH CHANNEL)



HARMONICS AND SPURIOUS EMISSIONS



DATA

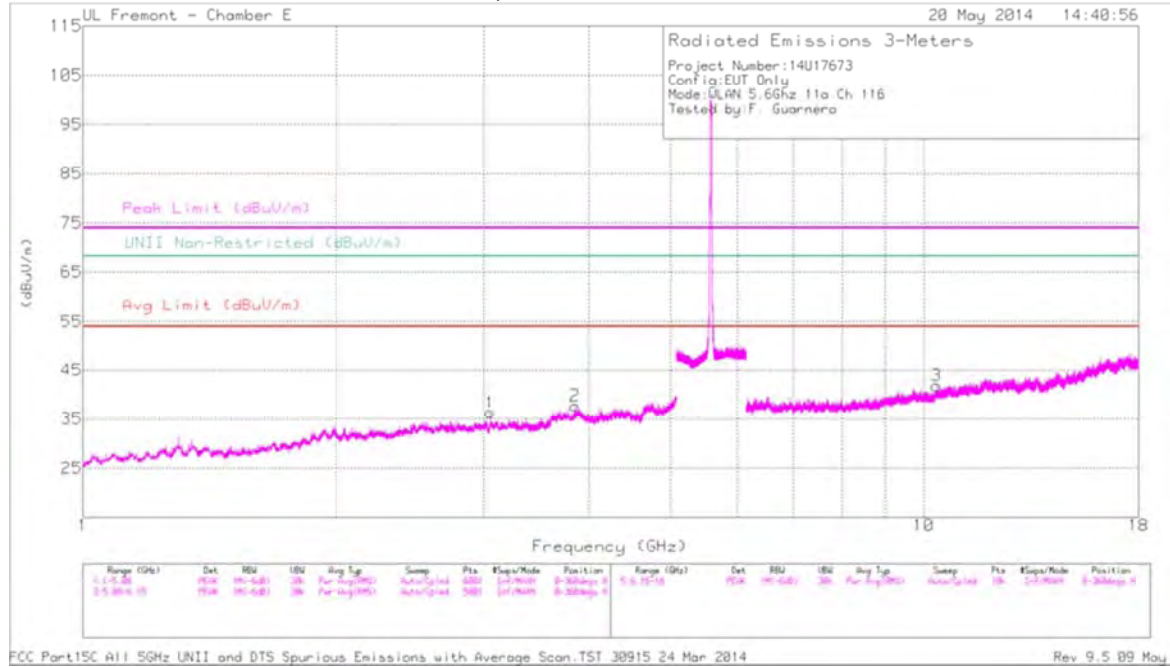
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 11.767	36.34	PK1	38.4	-24.2	50.54	-	-	74	-23.46	-	-	0	102	H
* 11.760	24.62	AD1	38.4	-23.9	39.12	54	-14.88	-	-	-	-	0	102	H
1.908	52.95	PK1	31.1	-32.9	51.15	-	-	-	-	68.2	-17.05	0	400	H
2.508	46.97	PK1	32.4	-32	47.37	-	-	-	-	68.2	-20.83	233	173	V
2.513	42.02	PK1	32.4	-32	42.42	-	-	-	-	68.2	-25.78	24	101	H
5.332	43.08	PK1	34.4	-21.4	56.08	-	-	-	-	68.2	-12.12	161	117	V
10.368	35.46	PK1	37.4	-23.7	49.16	-	-	-	-	68.2	-19.04	152	102	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

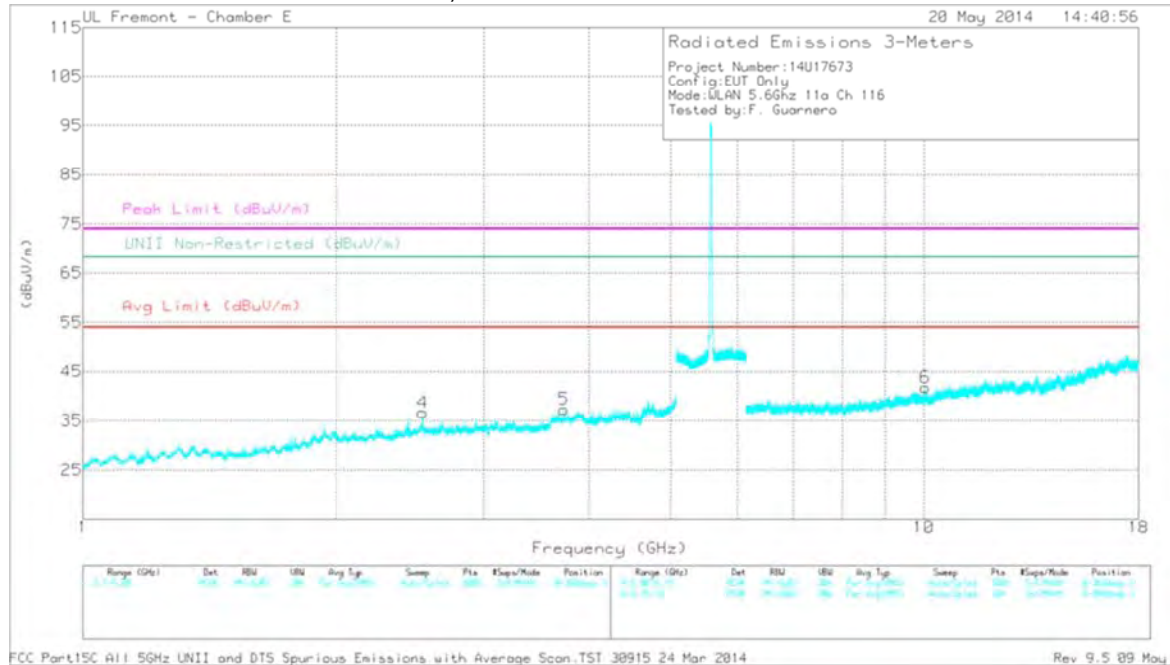
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

MID CHANNEL HORIZONTAL PLOT, CH 116



MID CHANNEL VERTICAL PLOT, CH 60



DATA

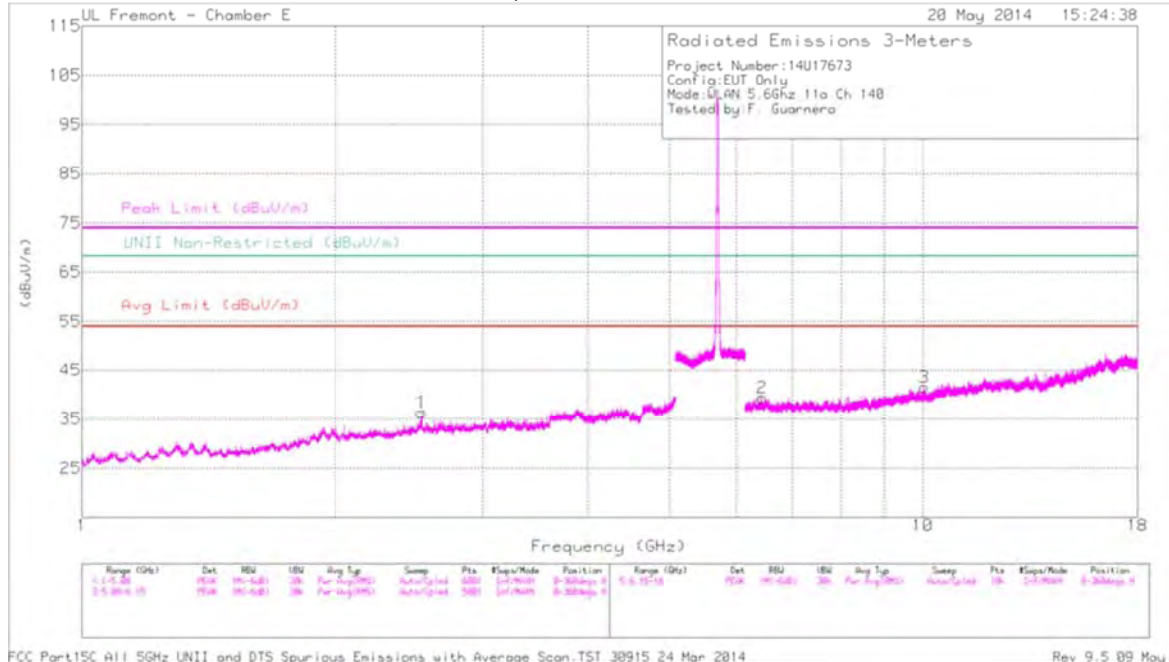
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.847	41.62	PK1	33.5	-31.2	43.92	-	-	74	-30.08	-	-	0	101	H
* 3.845	30.72	AD1	33.5	-31.3	32.92	54	-21.08	-	-	-	-	274	102	H
* 3.734	41.78	PK1	33.4	-31.9	43.28	-	-	74	-30.72	-	-	274	102	V
* 3.734	30.51	AD1	33.4	-31.8	32.11	54	-21.89	-	-	-	-	274	102	V
2.535	42.77	PK1	32.4	-32.1	43.07	-	-	-	-	68.2	-25.13	186	102	V
3.053	42.07	PK1	32.8	-31.8	43.07	-	-	-	-	68.2	-25.13	0	101	H
10.034	35.97	PK1	37.1	-24.2	48.87	-	-	-	-	68.2	-19.33	274	102	V
10.355	36.25	PK1	37.3	-24	49.55	-	-	-	-	68.2	-18.65	274	102	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

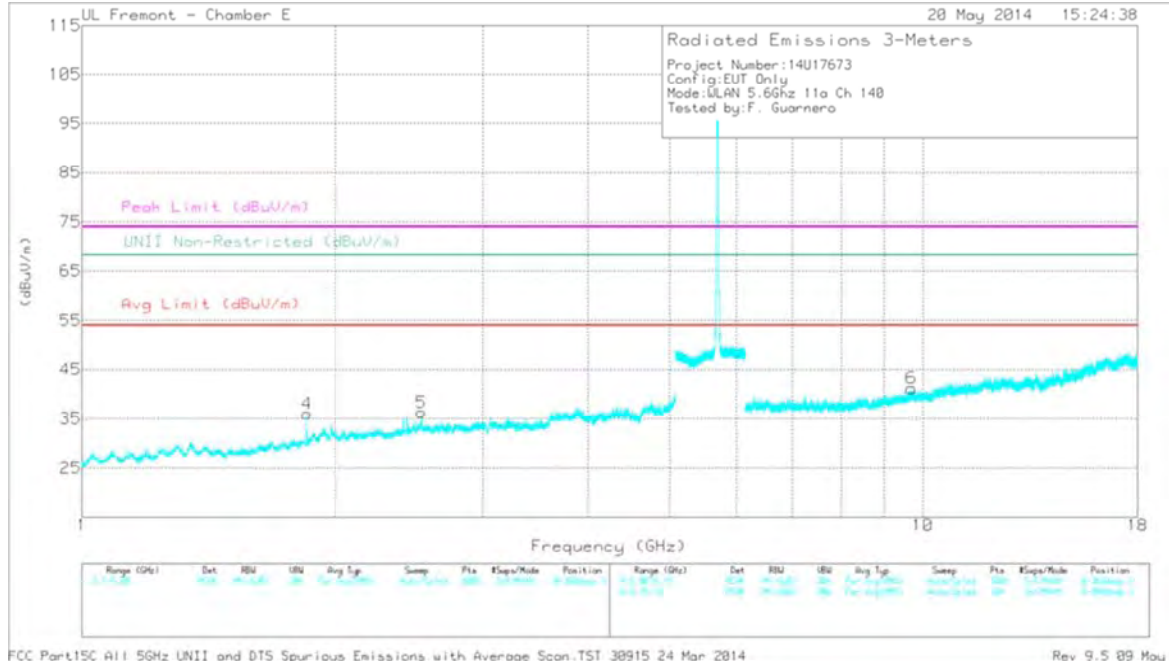
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HORIZONTAL PLOT, CH 140



HIGH CHANNEL VERTICAL PLOT, CH140



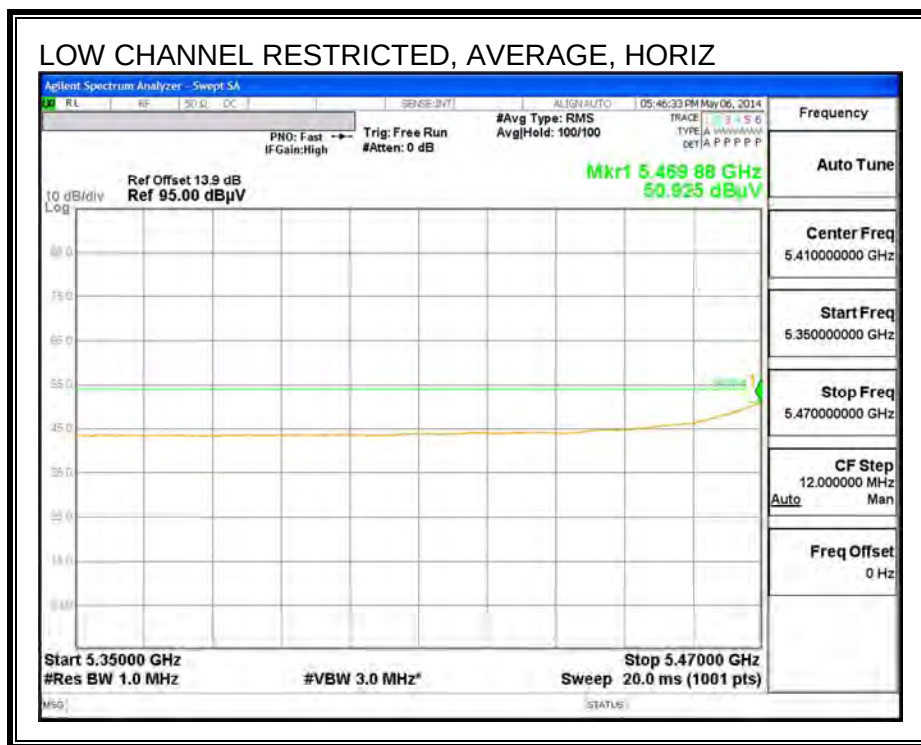
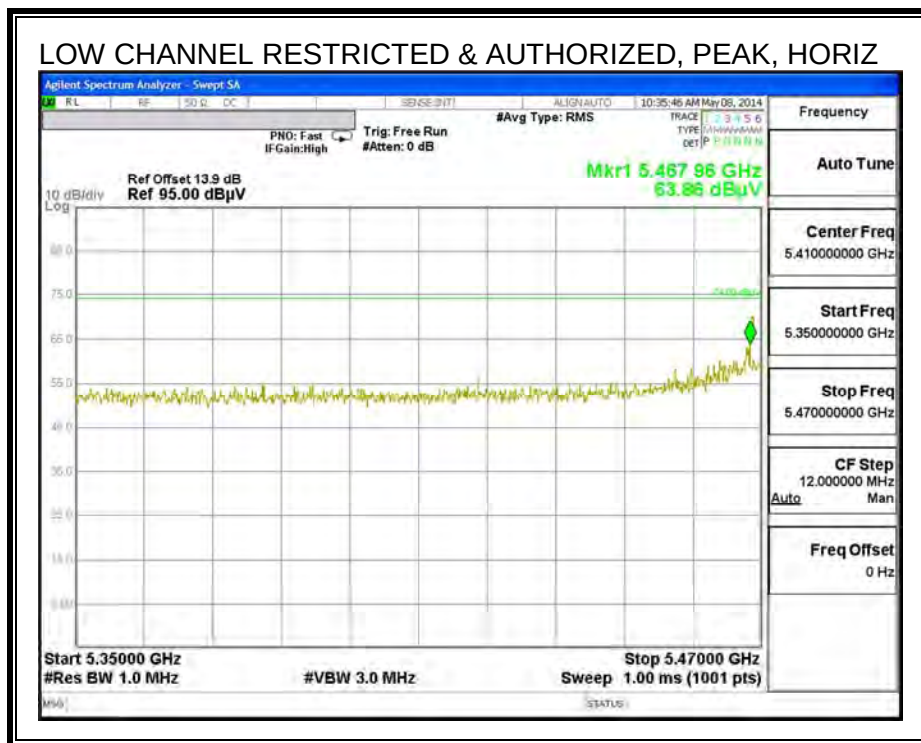
DATA

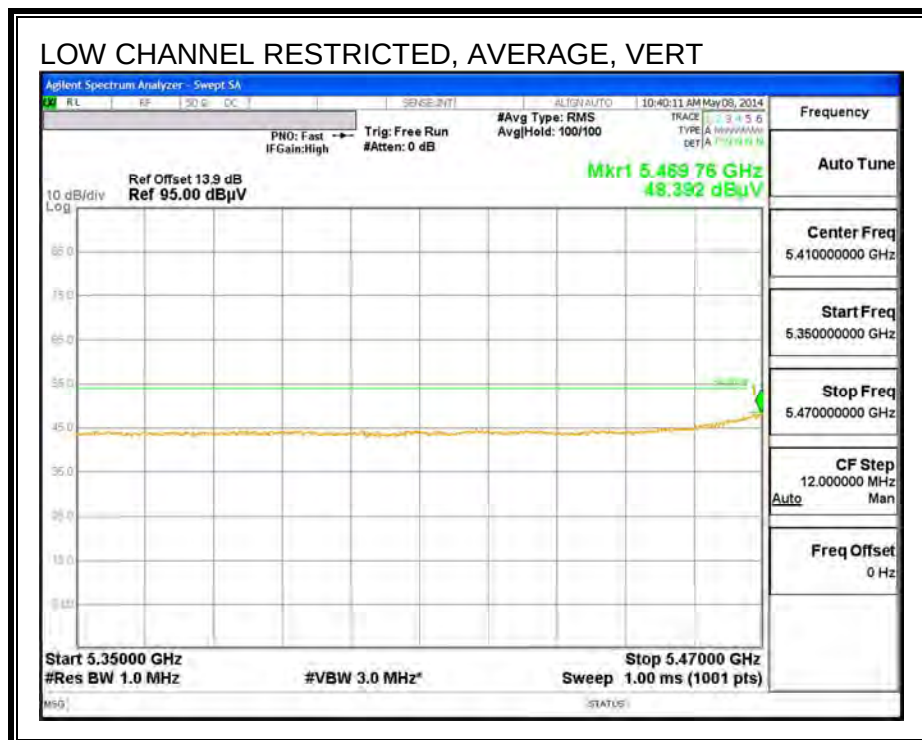
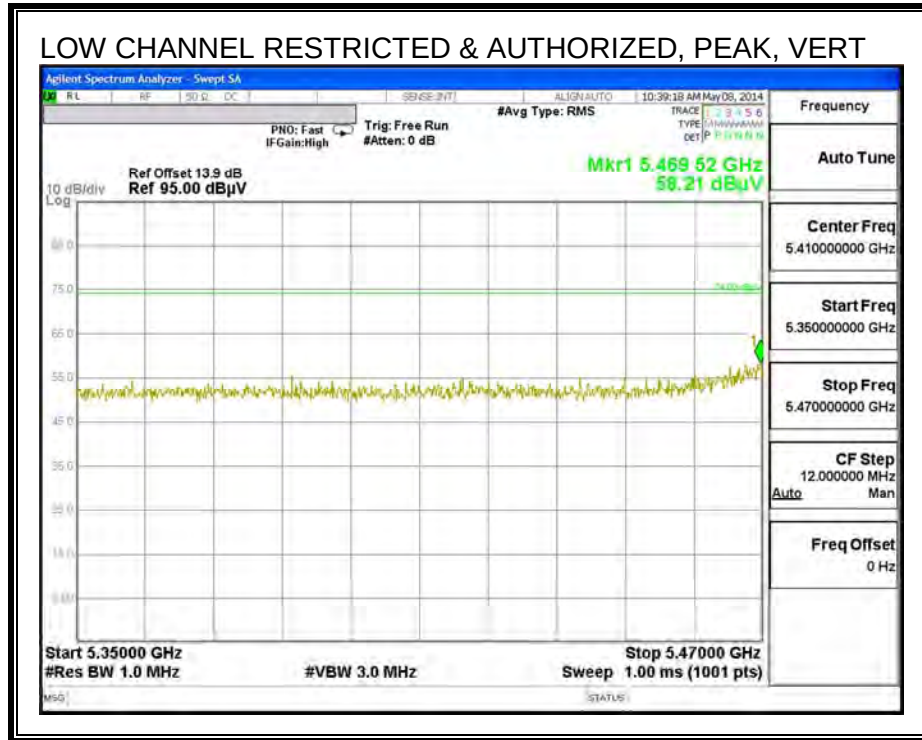
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T346 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1.849	42.75	PK1	30.6	-33.9	39.45	-	-	-	-	68.2	-28.75	323	199	V
2.536	42.85	PK1	32.4	-32.2	43.05	-	-	-	-	68.2	-25.15	198	307	V
2.537	44.05	PK1	32.4	-32.2	44.25	-	-	-	-	68.2	-23.95	146	199	H
6.445	40.36	PK1	35.6	-29.2	46.76	-	-	-	-	68.2	-21.44	198	307	H
9.692	36.53	PK1	37.1	-24.9	48.73	-	-	-	-	68.2	-19.47	198	307	V
10.043	35.82	PK1	37.1	-24.2	48.72	-	-	-	-	68.2	-19.48	198	307	H

PK1 - KDB789033 Method: Peak

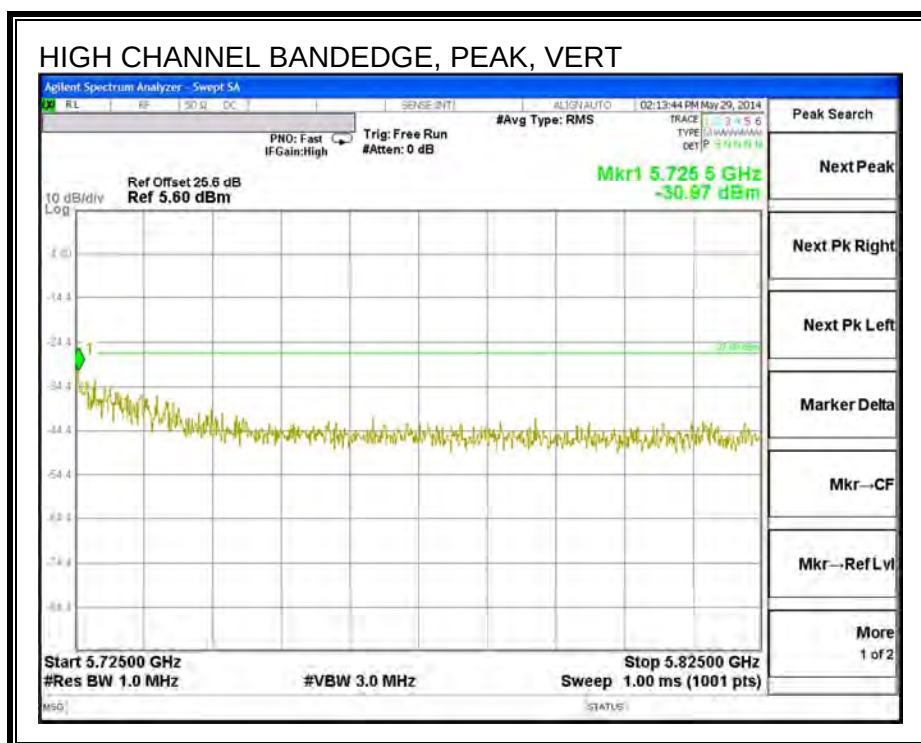
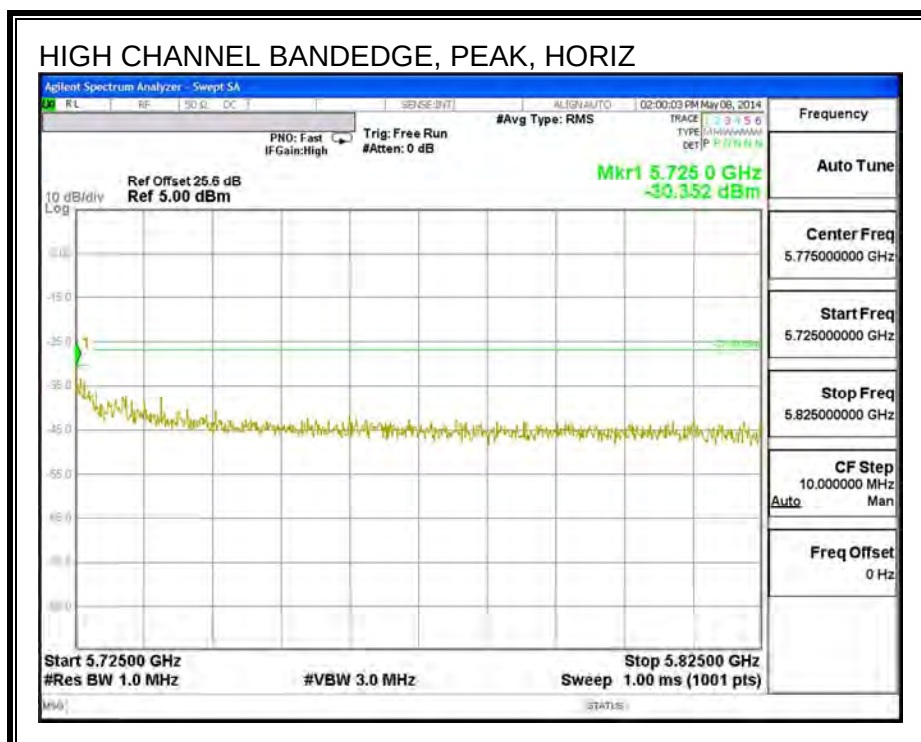
10.2.10. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.6 GHz BAND

RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL)



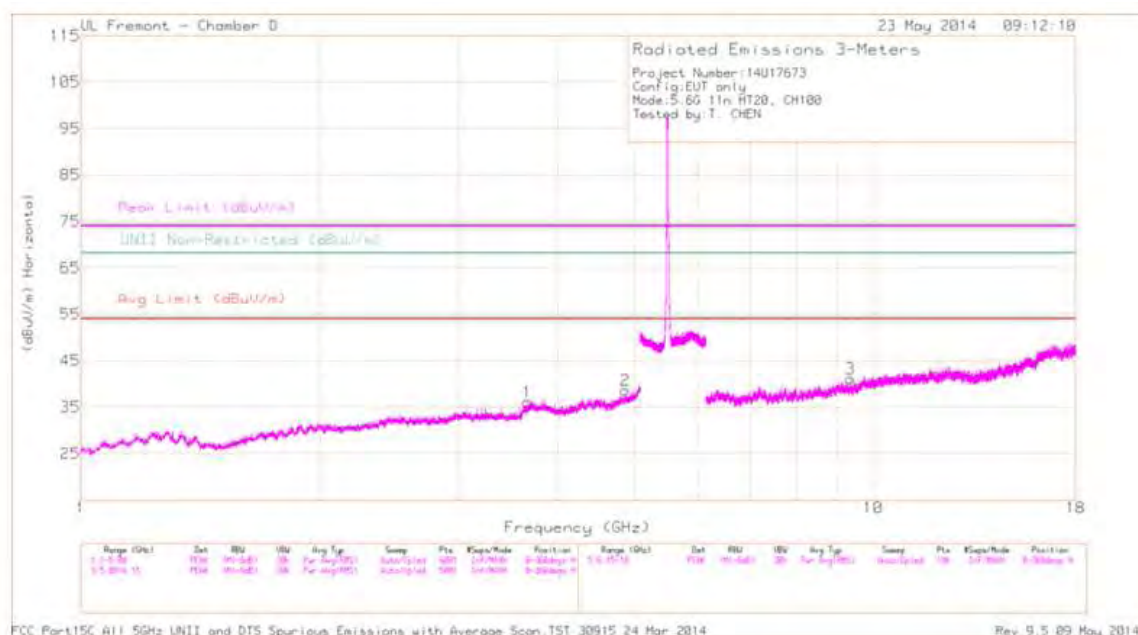


AUTHORIZED BANDEDGE (HIGH CHANNEL)



HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT, CH 100



LOW CHANNEL VERTICAL PLOT, CH 100



DATA

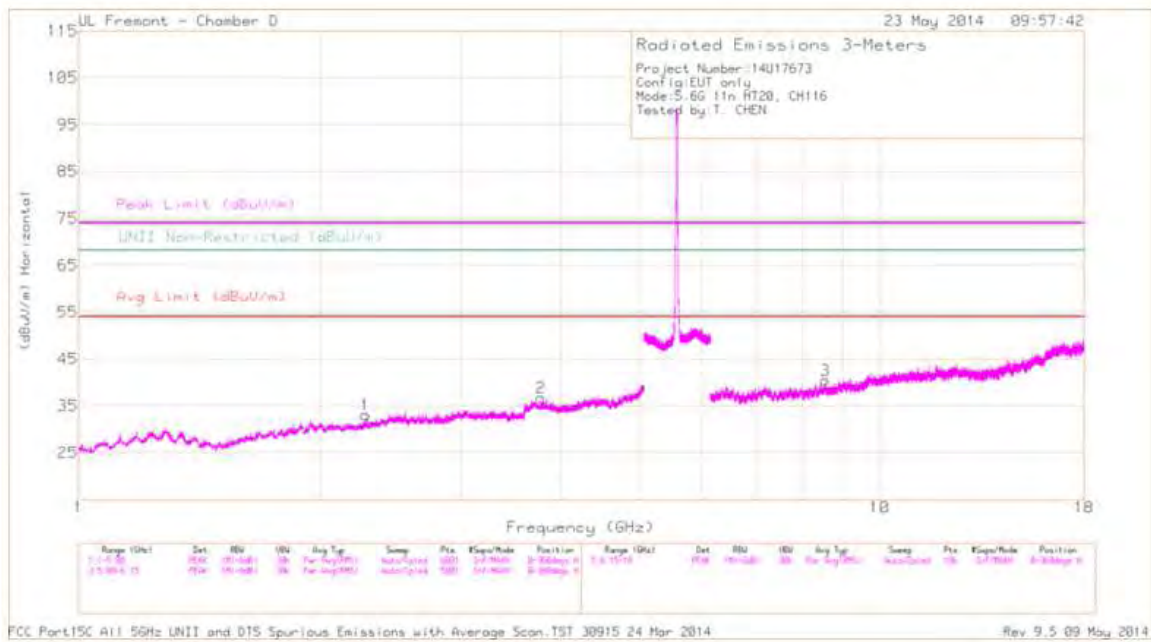
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F Itr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.67	37.91	PK1	32.6	-28.4	42.11	-	-	74	-31.89	-	-	288	100	H
* 3.663	26.65	AD1	32.6	-28.5	30.75	54	-23.25	-	-	-	-	288	100	H
* 4.866	38.15	PK1	33.5	-27.5	44.15	-	-	74	-29.85	-	-	138	100	H
* 4.862	27.24	AD1	33.5	-27.5	33.24	54	-20.76	-	-	-	-	138	100	H
* 3.732	38.67	PK1	32.7	-28.7	42.67	-	-	74	-31.33	-	-	30	100	V
* 3.741	27.28	AD1	32.7	-28.8	31.18	54	-22.82	-	-	-	-	30	100	V
* 9.35	34.61	PK1	36	-22.4	48.21	-	-	74	-25.79	-	-	100	100	H
* 9.354	23.31	AD1	36	-22.6	36.71	54	-17.29	-	-	-	-	100	100	H
7.192	37.06	PK1	35.1	-23.8	48.36	-	-	-	-	68.2	-19.84	123	202	V
7.193	24.68	AD1	35.1	-23.8	35.98	-	-	-	-	-	-	123	202	V
9.916	22.5	AD1	36.7	-21.4	37.8	-	-	-	-	-	-	104	202	V
9.918	34	PK1	36.7	-21.4	49.3	-	-	-	-	68.2	-18.9	104	202	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

MID CHANNEL HORIZONTAL PLOT, CH 116



MID CHANNEL VERTICAL PLOT, CH 116



DATA

Radiated Emissions

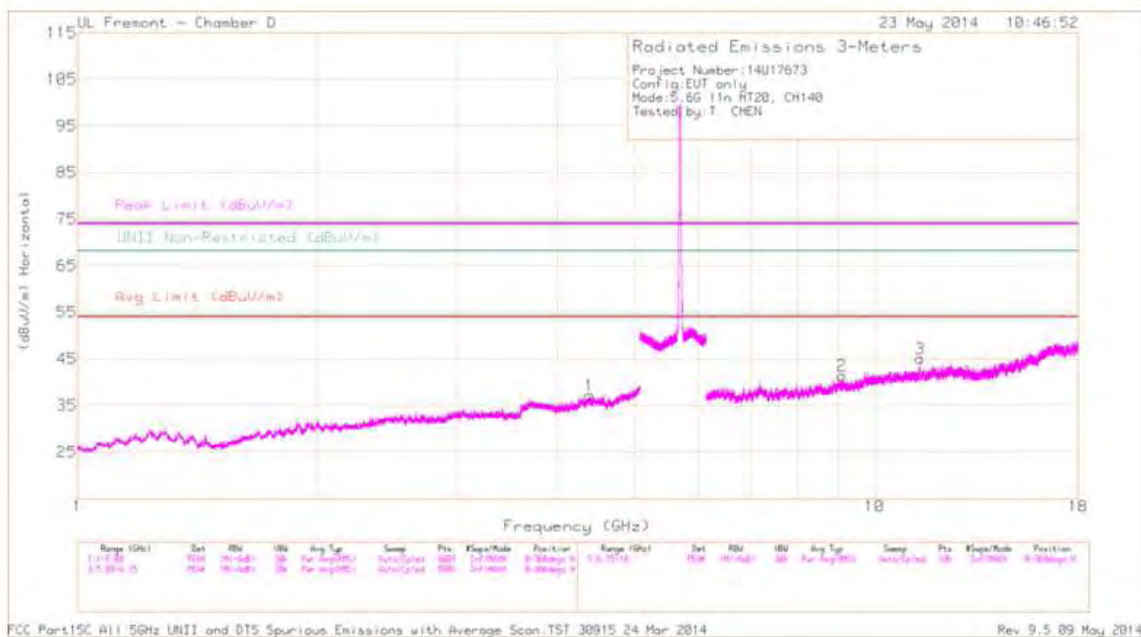
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 2.279	40.27	PK1	30.8	-30.3	40.77	-	-	74	-33.23	-	-	88	100	H
* 2.286	27.98	AD1	30.8	-30.4	28.38	54	-25.62	-	-	-	-	88	100	H
* 3.776	38.91	PK1	32.7	-28.7	42.91	-	-	74	-31.09	-	-	333	100	H
* 3.782	27.39	AD1	32.7	-28.8	31.29	54	-22.71	-	-	-	-	333	100	H
* 4.366	38.16	PK1	33.2	-28	43.36	-	-	74	-30.64	-	-	244	202	V
* 4.363	26.9	AD1	33.2	-28	32.1	54	-21.9	-	-	-	-	244	202	V
2.409	27.55	AD1	31.6	-30.3	28.85	-	-	-	-	-	-	160	344	V
2.412	39.96	PK1	31.6	-30.4	41.16	-	-	-	-	68.2	-27.04	160	344	V
8.548	36	PK1	35.4	-23	48.4	-	-	-	-	68.2	-19.8	190	101	H
8.556	24.12	AD1	35.4	-23	36.52	-	-	-	-	-	-	190	101	H
9.731	34.93	PK1	36.4	-21.3	50.03	-	-	-	-	68.2	-18.17	260	202	V
9.733	23.09	AD1	36.4	-21.3	38.19	-	-	-	-	-	-	260	202	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

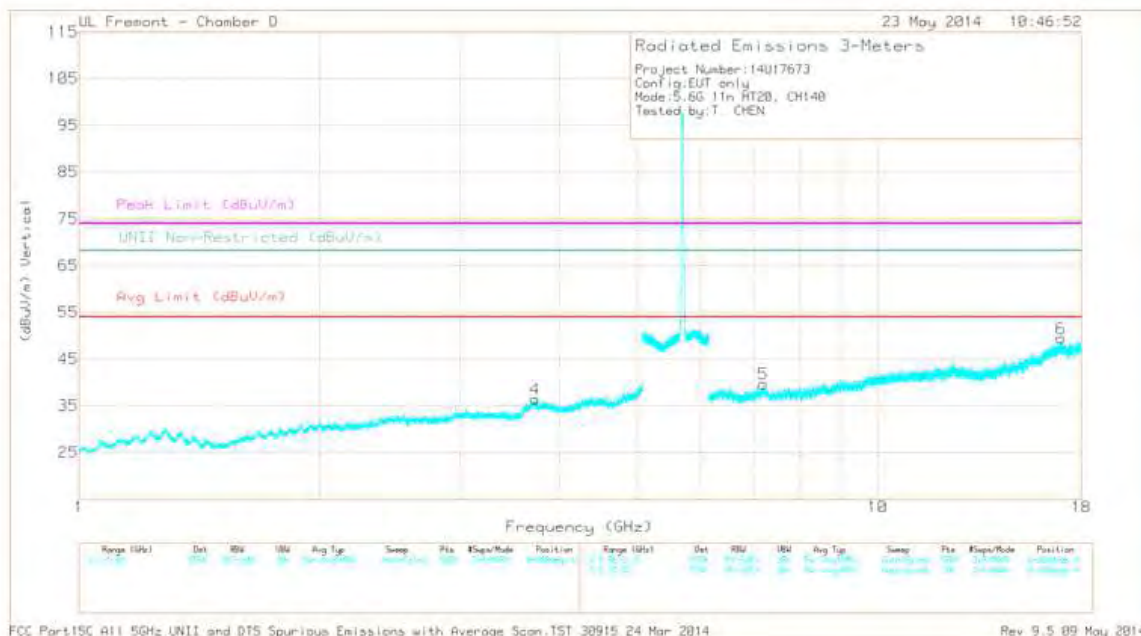
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HORIZONTAL PLOT, CH 140



HIGH CHANNEL VERTICAL PLOT, CH 140



DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.396	38.5	PK1	33.2	-27.9	43.8	-	-	74	-30.2	-	-	269	202	H
* 4.396	26.9	AD1	33.2	-27.9	32.2	54	-21.8	-	-	-	-	269	202	H
* 3.721	38.99	PK1	32.7	-28.7	42.99	-	-	74	-31.01	-	-	314	202	V
* 3.726	27.27	AD1	32.7	-28.7	31.27	54	-22.73	-	-	-	-	314	202	V
* 9.105	34.56	PK1	35.8	-22.2	48.16	-	-	74	-25.84	-	-	338	202	H
* 9.104	23.06	AD1	35.8	-22.2	36.66	54	-17.34	-	-	-	-	338	202	H
* 11.4	38.85	PK1	37.6	-21.7	54.75	-	-	74	-19.25	-	-	203	111	H
* 11.4	27.97	AD1	37.6	-21.7	43.87	54	-10.13	-	-	-	-	203	111	H
7.193	24.77	AD1	35.1	-23.8	36.07	-	-	-	-	-	-	67	101	V
7.194	35.71	PK1	35.1	-23.8	47.01	-	-	-	-	68.2	-21.19	67	101	V
17.09	22.42	AD1	41.4	-19.1	44.72	-	-	-	-	-	-	0	200	V
17.094	34.1	PK1	41.3	-19	56.4	-	-	-	-	68.2	-11.8	0	200	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

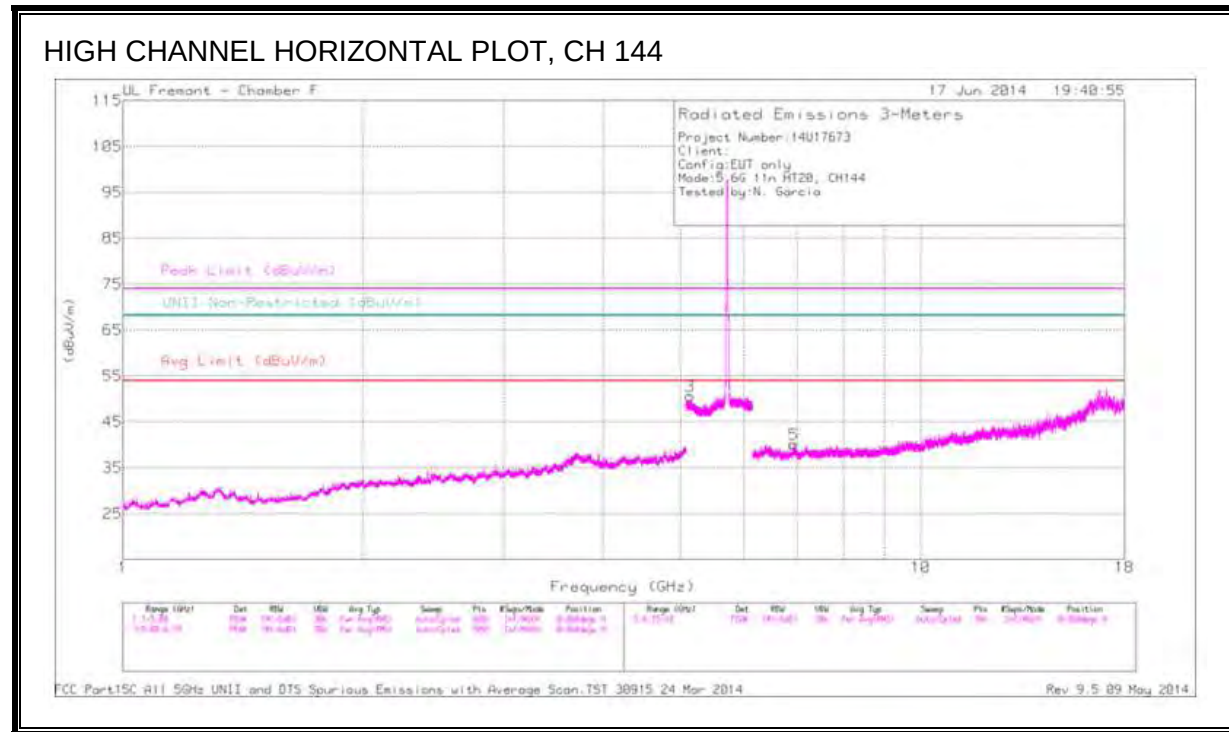
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

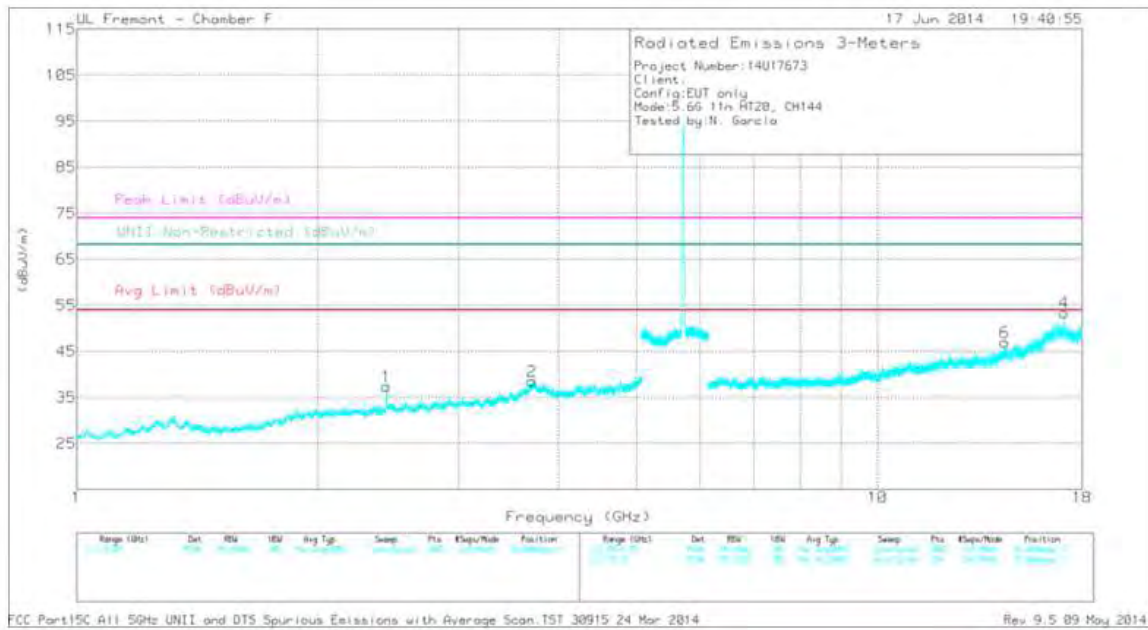
10.2.11. TX ABOVE 1 GHz 802.11n HT20 MODE, CHANNEL 144, 5.6 GHz BAND

HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL PLOT, CH 144



HIGH CHANNEL VERTICAL PLOT, CH 144



DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2.439	44.7	PK1	32.4	-30.9	46.2	-	-	-	-	68.2	-22	137	206	V
* 3.706	38.82	PK1	34.8	-29.1	44.52	-	-	74	-29.48	-	-	46	354	V
* 3.704	27.5	AD1	34.8	-29.2	33.1	54	-20.9	-	-	-	-	46	354	V
* 5.139	42.78	PK1	34.4	-19.4	57.78	-	-	74	-16.22	-	-	18	344	H
* 5.14	30.5	AD1	34.4	-19.3	45.6	54	-8.4	-	-	-	-	18	344	H
6.921	37.39	PK1	35.5	-26.1	46.79	-	-	-	-	68.2	-21.41	77	357	H
17.076	34.66	PK1	41.2	-16.3	59.56	-	-	-	-	68.2	-8.64	258	195	V
14.418	37.25	PK1	39.7	-22.4	54.55	-	-	-	-	68.2	-13.65	346	116	V

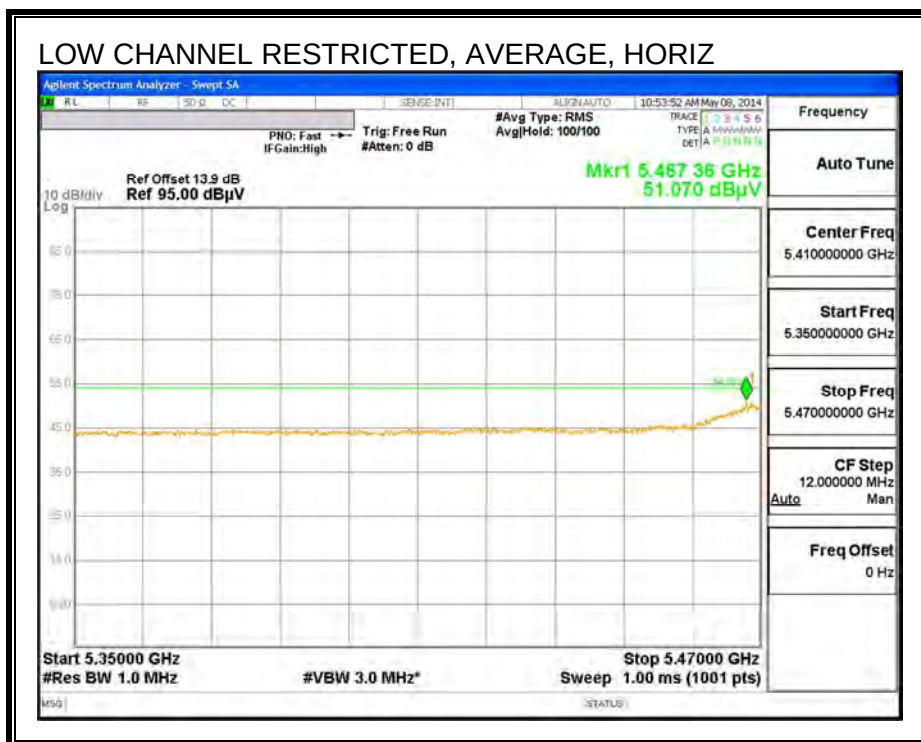
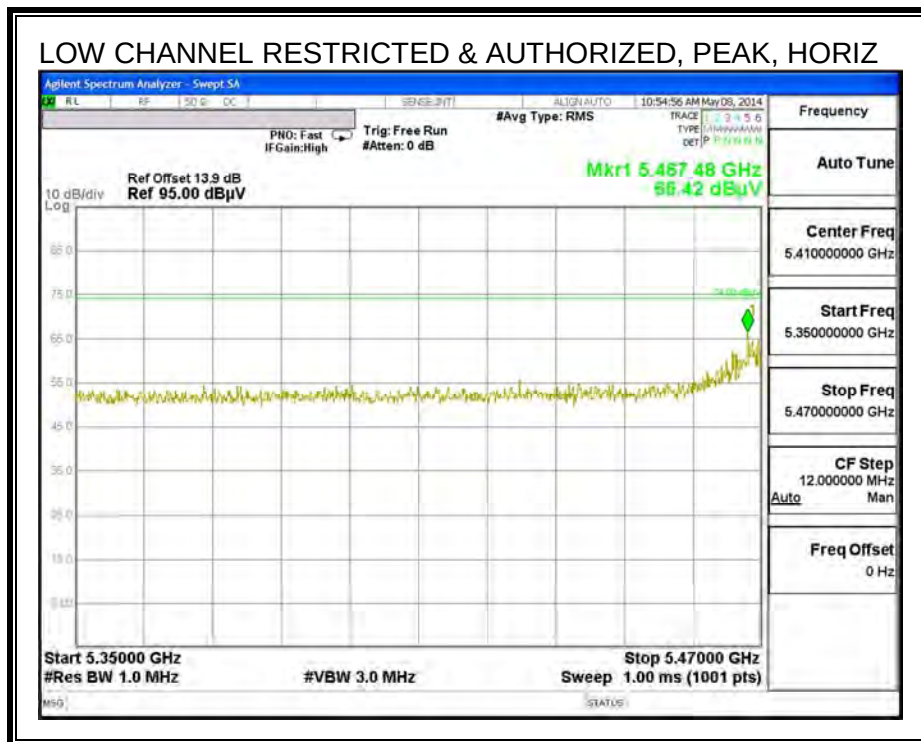
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

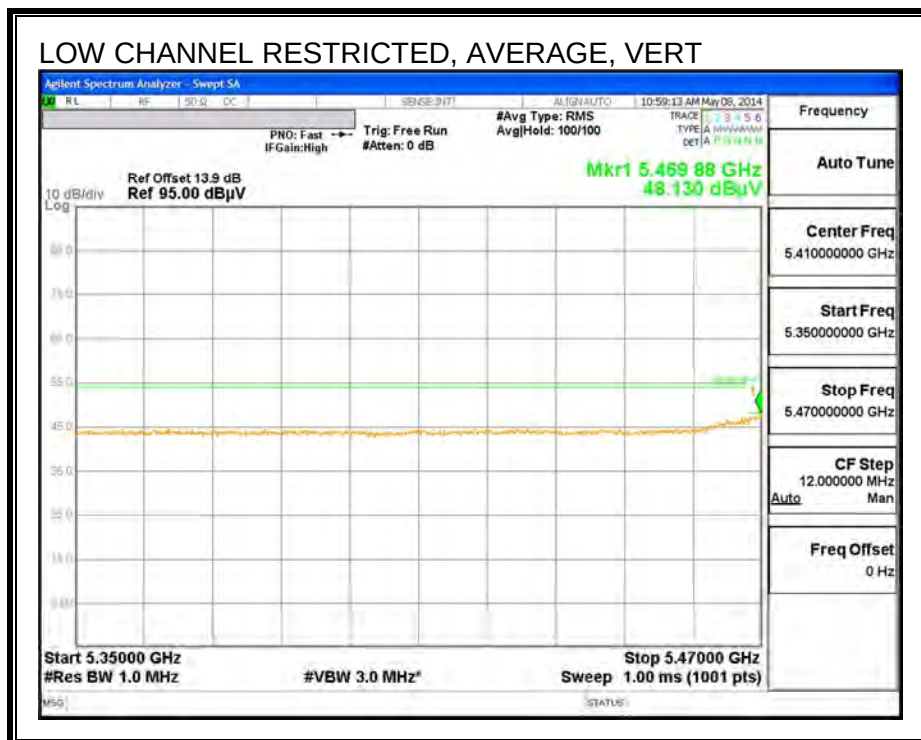
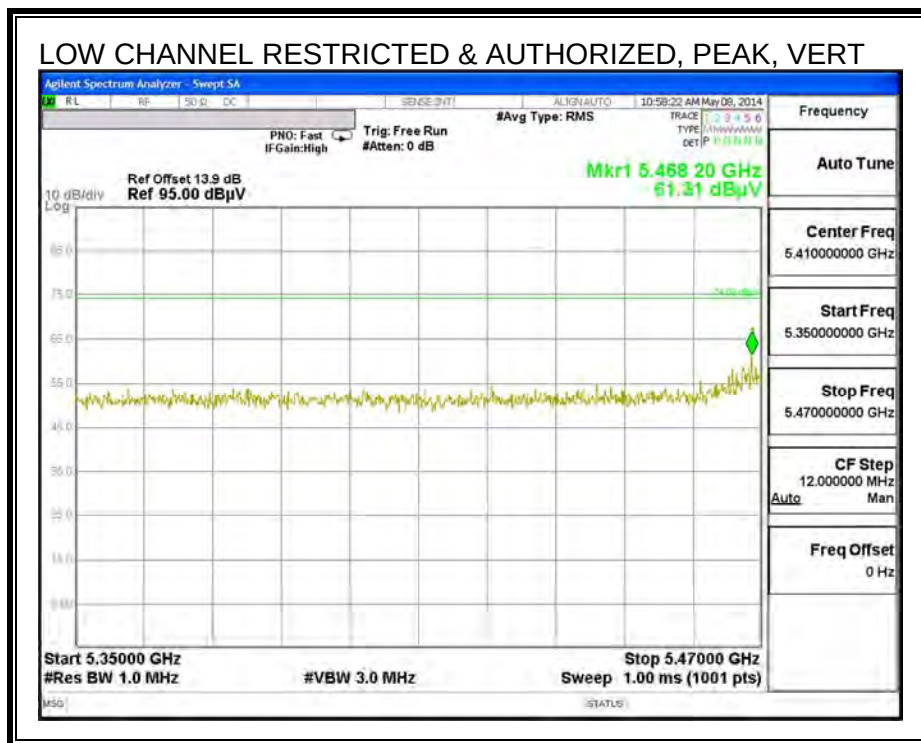
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

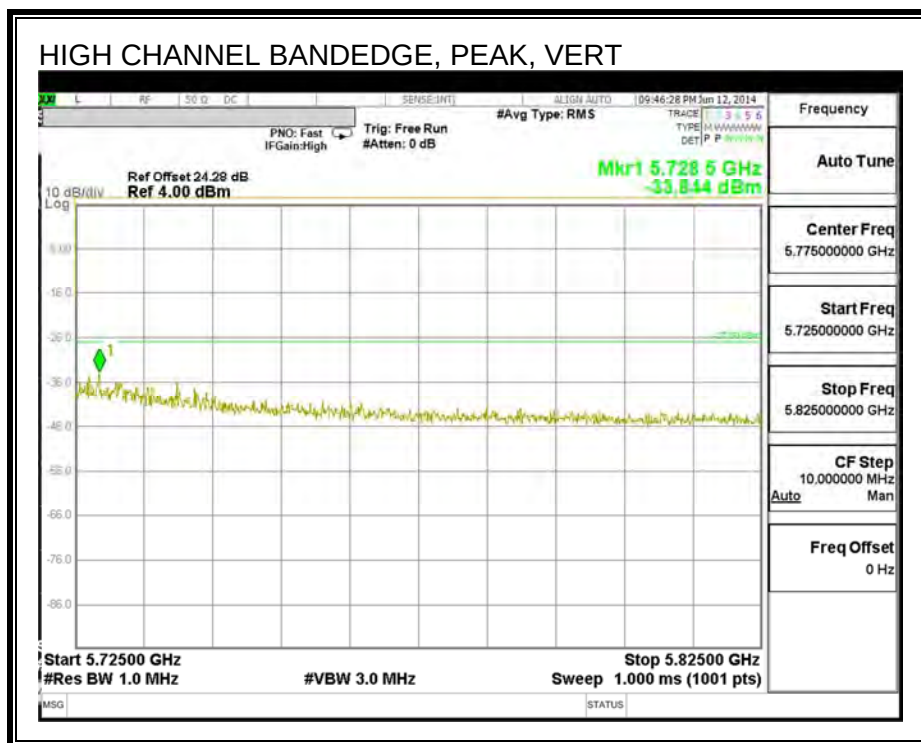
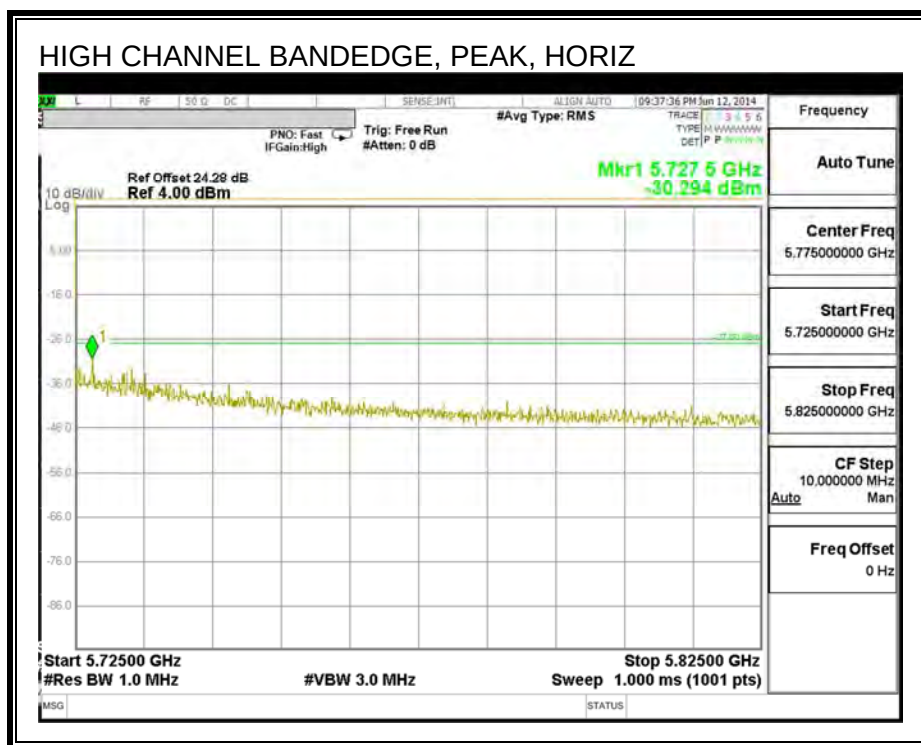
10.2.12. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.6 GHz BAND

RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL)



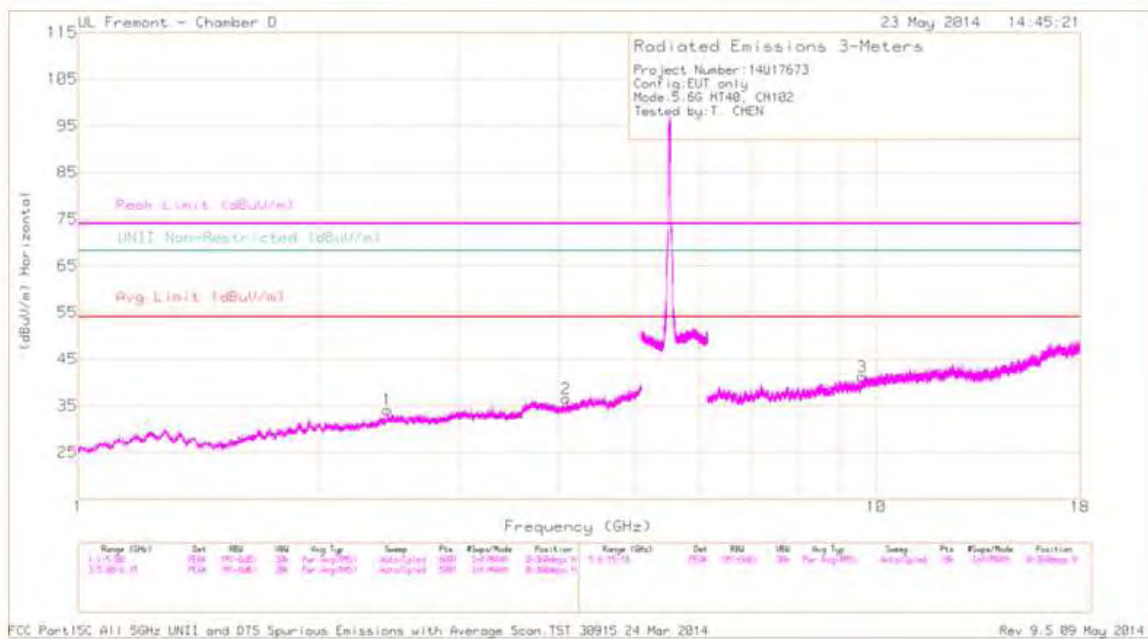


AUTHORIZED BANDEDGE (HIGH CHANNEL)

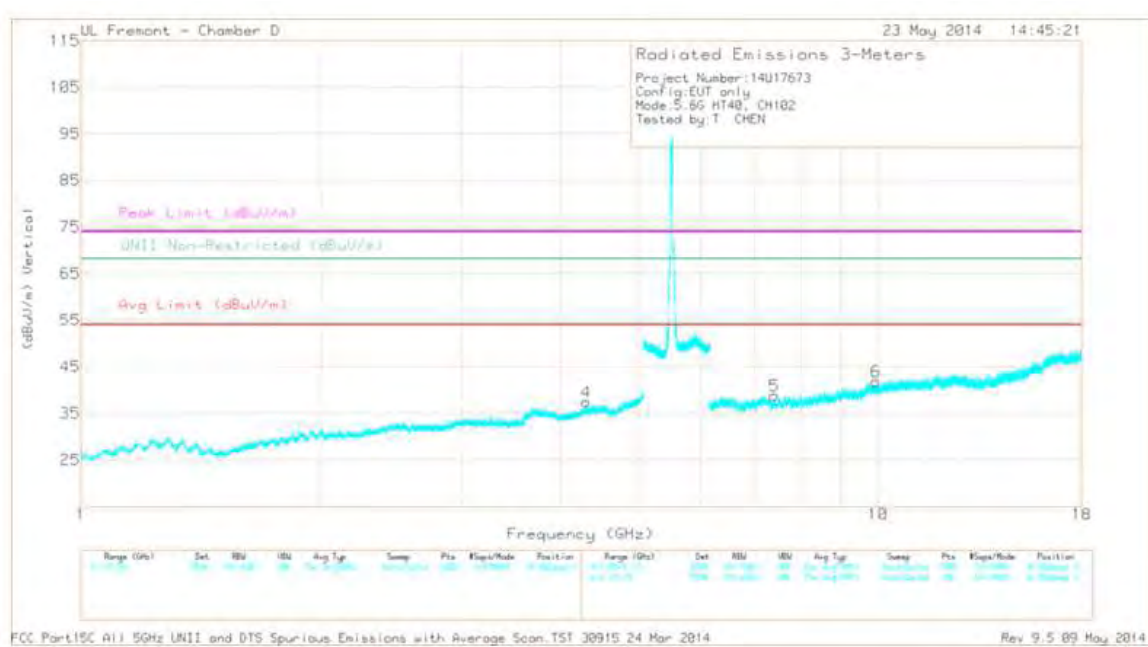


HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT, CH 102



LOW CHANNEL VERTICAL PLOT, CH 102



DATA

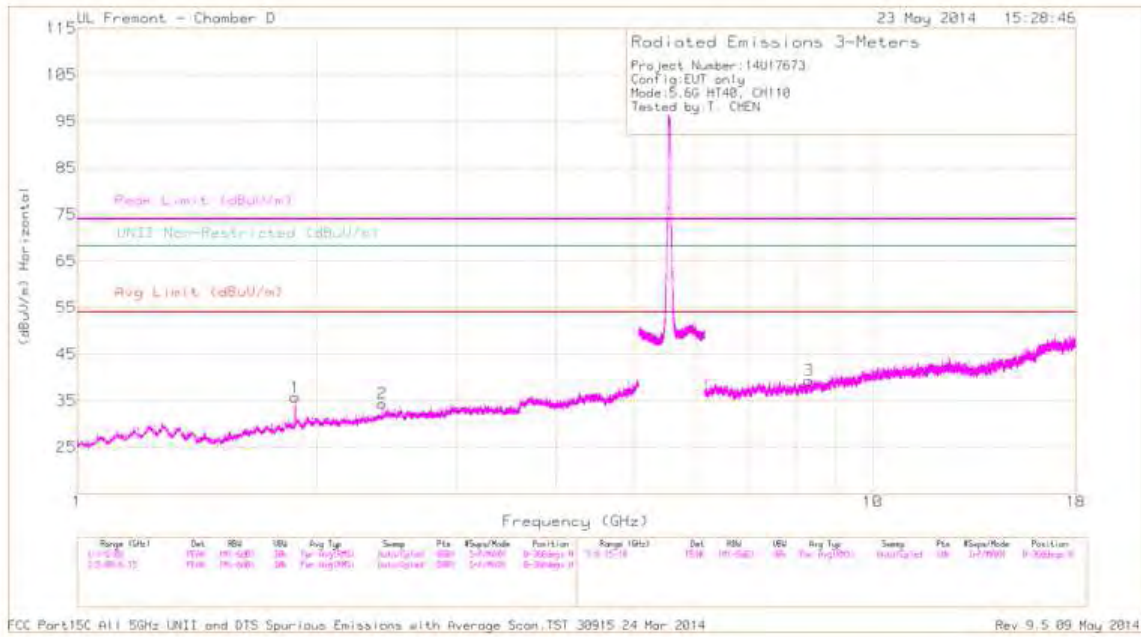
Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 4.088	38.53	PK1	32.9	-28.1	43.33	-	-	74	-30.67	-	-	326	202	H
* 4.101	26.82	AD1	32.9	-28.3	31.42	54	-22.58	-	-	-	-	326	202	H
* 4.308	37.87	PK1	33	-27.9	42.97	-	-	74	-31.03	-	-	193	202	V
* 4.302	26.65	AD1	33	-27.8	31.85	54	-22.15	-	-	-	-	193	202	V
* 7.41	37.42	PK1	35.2	-25	47.62	-	-	74	-26.38	-	-	246	202	V
* 7.408	25.03	AD1	35.2	-25	35.23	54	-18.77	-	-	-	-	246	202	V
2.438	39.7	PK1	31.8	-30	41.5	-	-	-	-	68.2	-26.7	153	100	H
2.438	27.68	AD1	31.8	-30	29.48	-	-	-	-	-	-	153	100	H
9.598	23.42	AD1	36.3	-22.7	37.02	-	-	-	-	-	-	54	202	H
9.599	34.53	PK1	36.3	-22.7	48.13	-	-	-	-	68.2	-20.07	54	202	H
9.936	33.99	PK1	36.7	-21.9	48.79	-	-	-	-	68.2	-19.41	218	100	V
9.942	22.7	AD1	36.7	-21.8	37.6	-	-	-	-	-	-	218	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

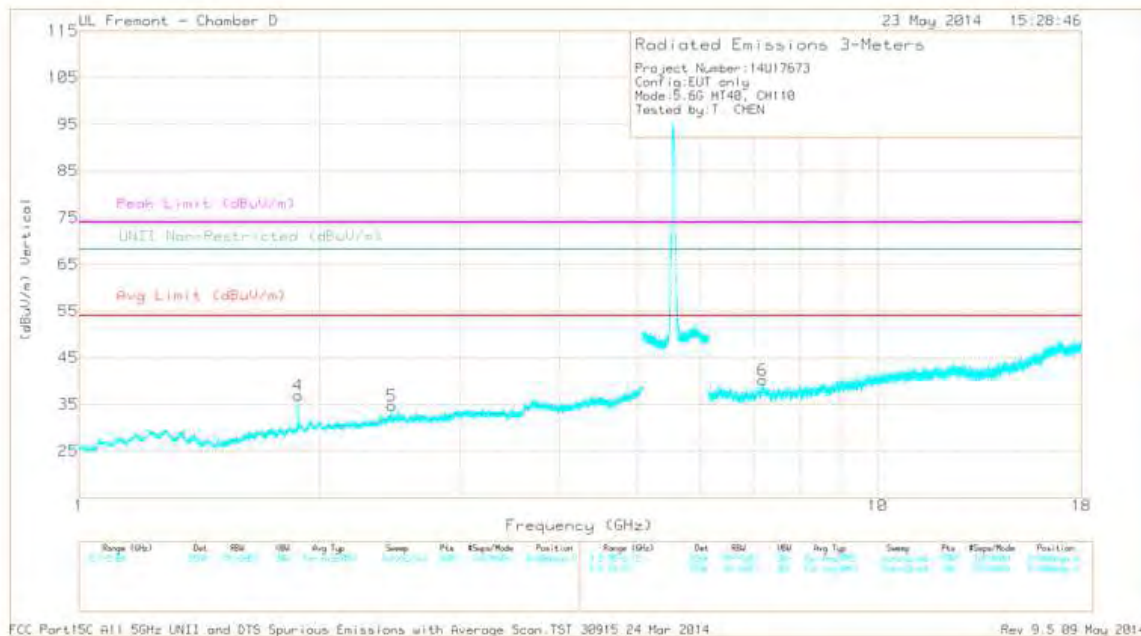
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

MID CHANNEL HORIZONTAL PLOT, CH 110



MID CHANNEL VERTICAL PLOT, CH 110



DATA

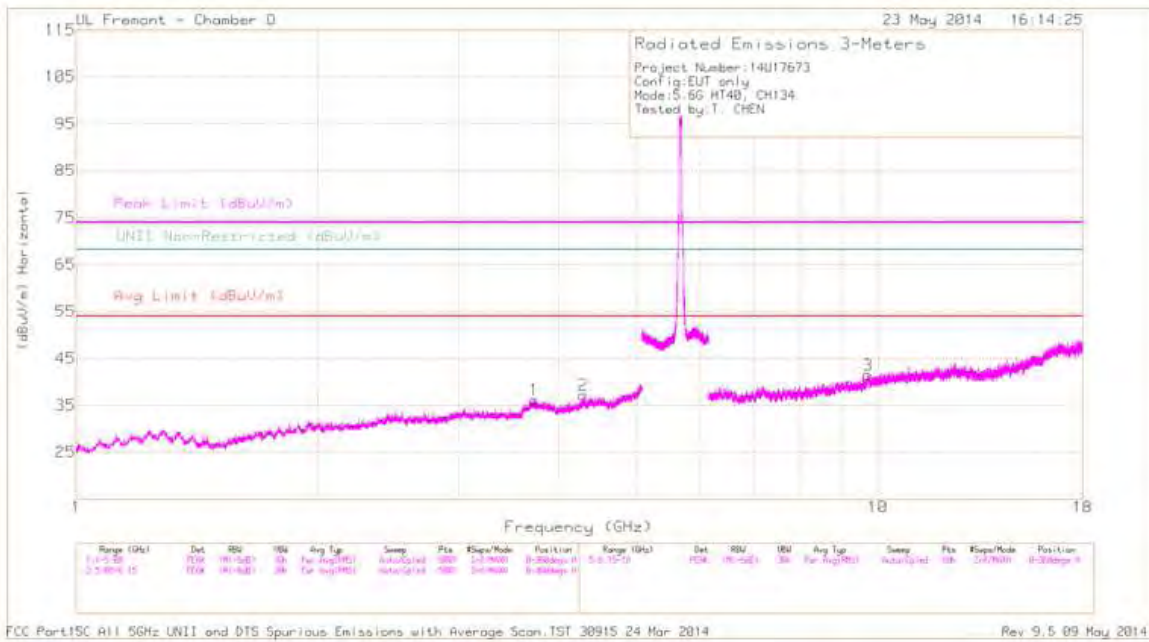
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Fitr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
3	* 8.309	35.15	PK1	35.3	-24.1	46.35	-	-	74	-27.65	-	-	65	100	H
	* 8.309	24.52	AD1	35.3	-24.1	35.72	54	-18.28	-	-	-	-	65	100	H
1	1.88	43.79	PK1	30.1	-30.6	43.29	-	-	-	-	68.2	-24.91	335	209	H
	1.88	33.73	AD1	30.1	-30.6	33.23	-	-	-	-	-	-	335	209	H
4	1.88	45.14	PK1	30.1	-30.6	44.64	-	-	-	-	68.2	-23.56	37	384	V
	1.88	34.46	AD1	30.1	-30.6	33.96	-	-	-	-	-	-	37	384	V
2	2.419	27.58	AD1	31.7	-30.2	29.08	-	-	-	-	-	-	186	201	H
	2.421	39.18	PK1	31.7	-30.2	40.68	-	-	-	-	68.2	-27.52	186	201	H
5	2.464	39.55	PK1	32	-29.8	41.75	-	-	-	-	68.2	-26.45	69	118	V
	2.467	27.37	AD1	32	-29.8	29.57	-	-	-	-	-	-	69	118	V
6	7.177	36.1	PK1	35.1	-24.2	47	-	-	-	-	68.2	-21.2	197	202	V
	7.181	24.62	AD1	35.1	-24.1	35.62	-	-	-	-	-	-	197	202	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

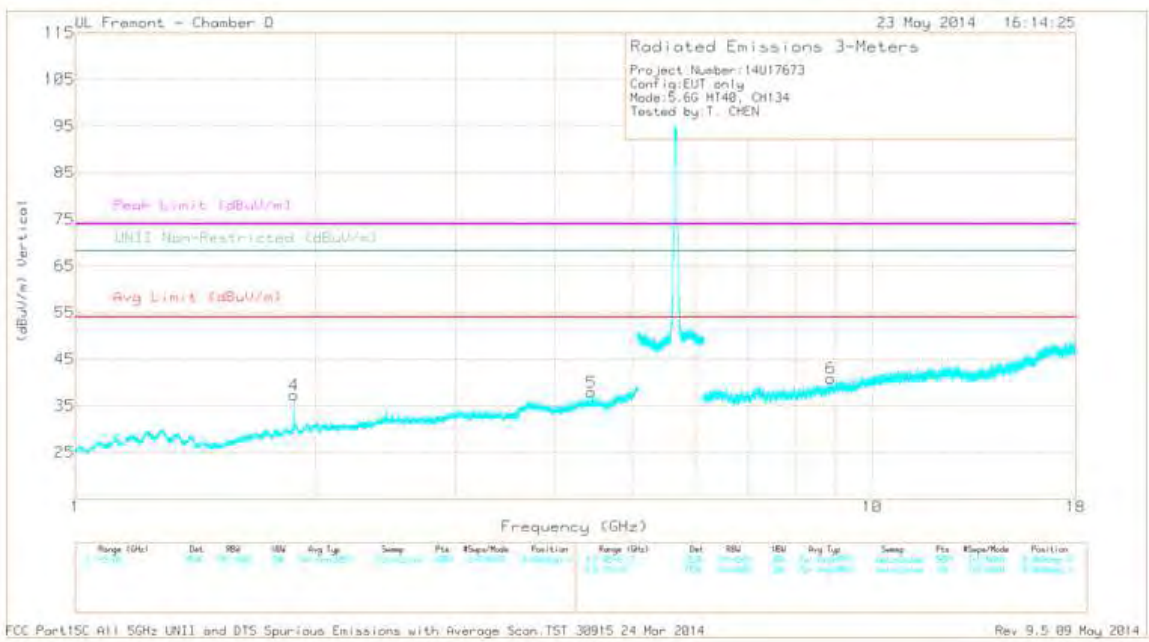
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HORIZONTAL PLOT, CH 134



HIGH CHANNEL VERTICAL PLOT, CH 134



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl /Filtr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV /m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 3.724	39.04	PK1	32.7	-28.7	43.04	-	-	74	-30.96	-	-	171	100	H
	* 3.728	27.36	AD1	32.7	-28.7	31.36	54	-22.64	-	-	-	-	171	100	H
2	* 4.292	38.24	PK1	33	-27.7	43.54	-	-	74	-30.46	-	-	185	202	H
	* 4.29	26.76	AD1	33	-27.7	32.06	54	-21.94	-	-	-	-	185	202	H
4	1.88	46.09	PK1	30.1	-30.6	45.59	-	-	-	-	68.2	-22.61	59	118	V
	1.88	35.97	AD1	30.1	-30.6	35.47	-	-	-	-	-	-	59	118	V
5	4.443	39.1	PK1	33.4	-27.4	45.1	-	-	-	-	68.2	-23.1	336	100	V
	4.444	26.63	AD1	33.4	-27.4	32.63	-	-	-	-	-	-	336	100	V
6	8.872	35.44	PK1	35.7	-23	48.14	-	-	-	-	68.2	-20.06	224	202	V
	8.874	23.63	AD1	35.7	-23	36.33	-	-	-	-	-	-	224	202	V
3	9.714	34.66	PK1	36.4	-21.5	49.56	-	-	-	-	68.2	-18.64	104	202	H
	9.72	22.96	AD1	36.4	-21.4	37.96	-	-	-	-	-	-	104	202	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

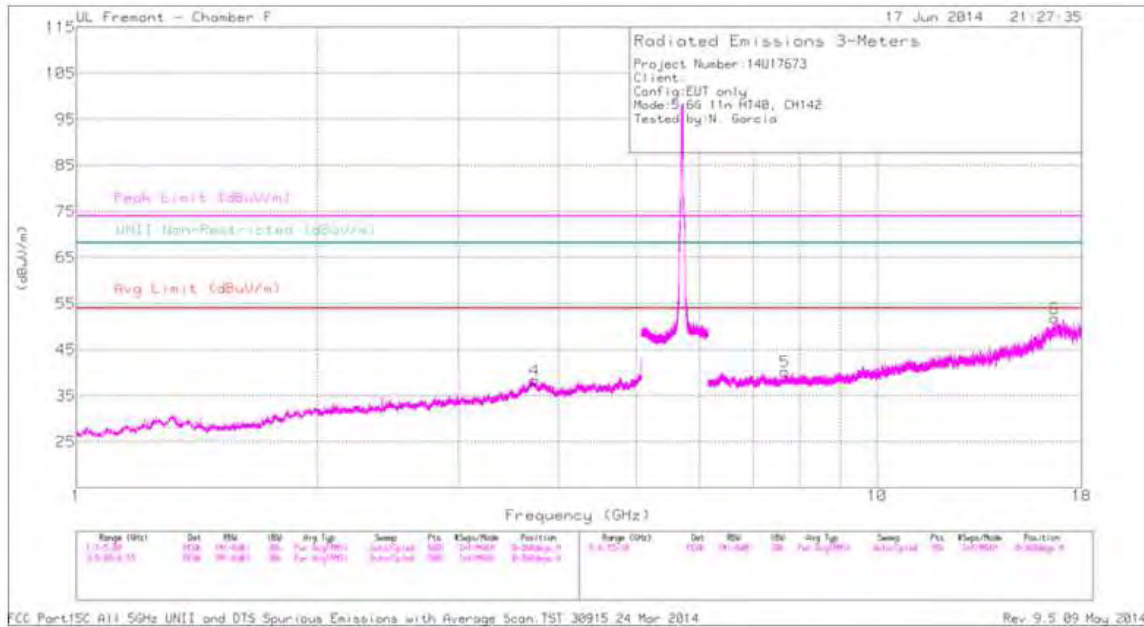
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

10.2.13. TX ABOVE 1 GHz 802.11n HT40 MODE, CHANNEL 142, 5.6 GHz BAND

HARMONICS AND SPURIOUS EMISSIONS

HIGH CHANNEL HORIZONTAL PLOT, CH 142



UL Fresant - Chamber F

17 Jun 2014 21:27:35

Radiated Emissions 3-Meters

Project Number: 14U17673
Client:
Config: EUT only
Mode: 5.65 11n RT48, CH142
Tested by: N. Garcia

Peak Limit (dBuV/m)

UNII Non-Restricted (dBuV/m)

Avg Limit (dBuV/m)

DUT

Frequency (GHz)

Range (GHz)	Det	Ref	MR	Ant Type	Sweep	Pre	Resp/Mode	Position	Range (GHz)	Det	Ref	MR	Ant Type	Sweep	Pre	Resp/Mode	Position
1.0 - 1.8	ENF	dBm	dB	1m	100kHz	OFF	10dB	Antenna 1	1.0 - 1.8	ENF	dBm	dB	1m	100kHz	OFF	10dB	Antenna 1

FCC Part 15C All 5GHz UNII and DTS Spurious Emissions with Average Scan.TST 38915 24 Mar 2014

Rev 9.5 09 May 2014

DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T120 (dB/m)	Amp/Cbl/Filtr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.738	39.12	PK1	34.7	-29.6	44.22	-	-	74	-29.78	-	-	70	110	H
* 3.736	27.76	AD1	34.7	-29.6	32.86	54	-21.14	-	-	-	-	70	110	H
2.439	44.7	PK1	32.4	-30.9	46.2	-	-	-	-	68.2	-22	137	206	V
2.409	42.25	PK1	32.2	-30.8	43.65	-	-	-	-	68.2	-24.55	291	203	V
* 5.143	42.06	PK1	34.4	-19.3	57.16	-	-	74	-16.84	-	-	354	187	V
* 5.142	30.59	AD1	34.4	-19.3	45.69	54	-8.31	-	-	-	-	354	187	V
* 7.688	37.05	PK1	35.6	-25.9	46.75	-	-	74	-27.25	-	-	35	325	H
* 7.683	25.38	AD1	35.6	-26	34.98	54	-19.02	-	-	-	-	35	325	H
16.659	35.07	PK1	41.3	-17.2	59.17	-	-	-	-	68.2	-9.03	232	138	H

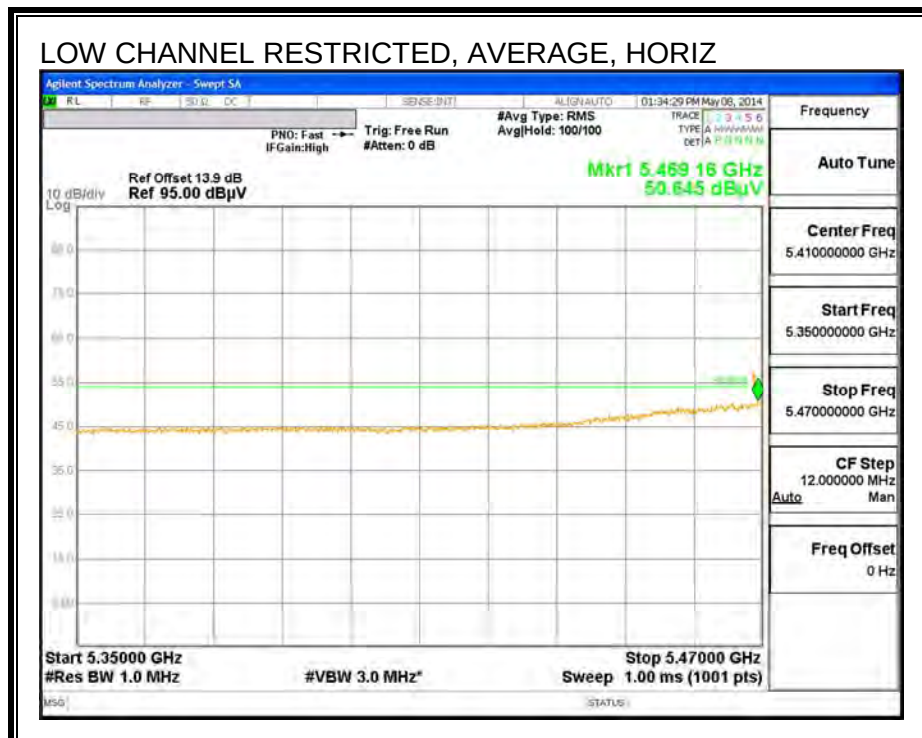
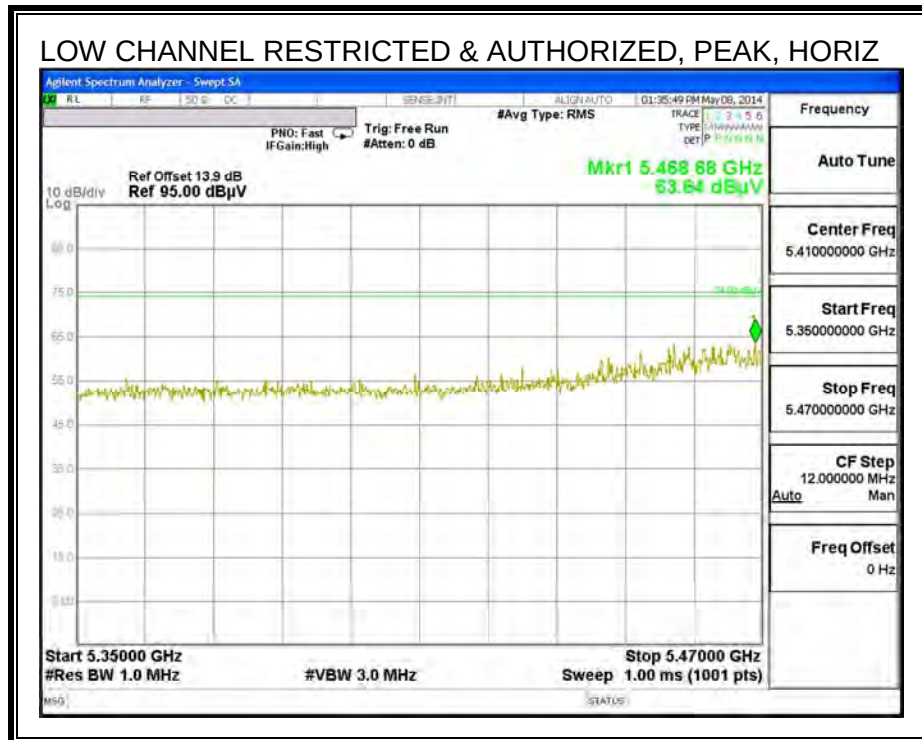
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

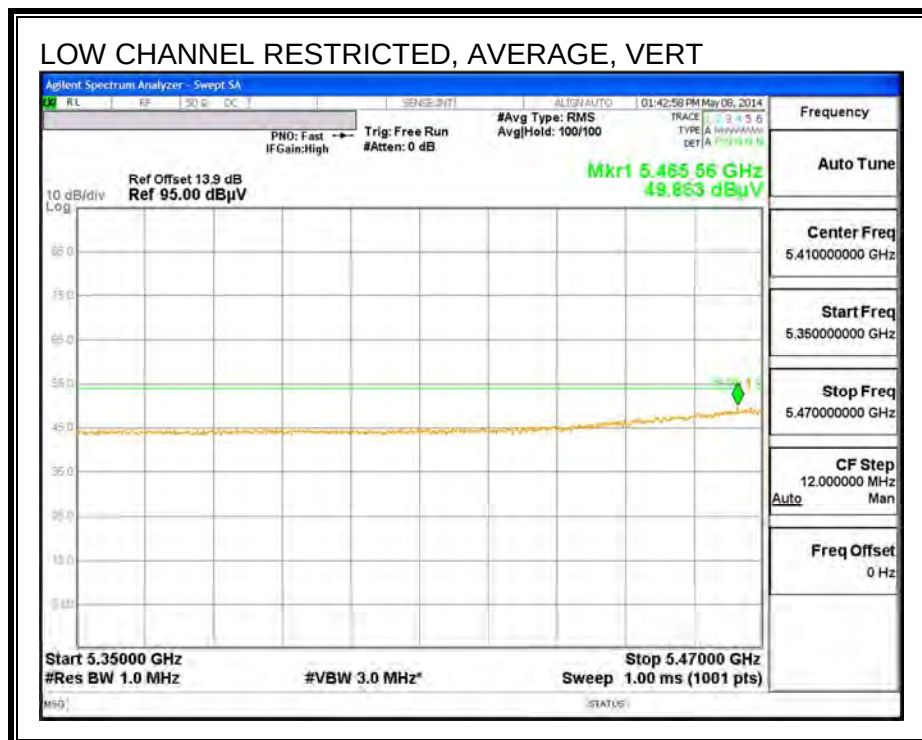
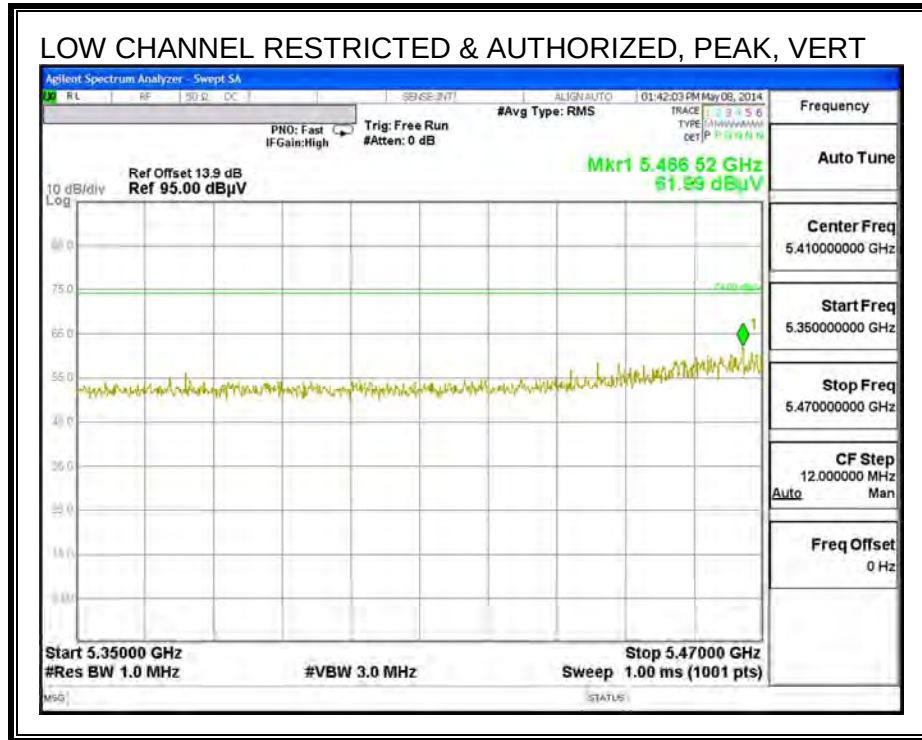
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

10.2.14. TX ABOVE 1G 802.11ac 80MHz MODE IN THE 5.6 GHz BAND

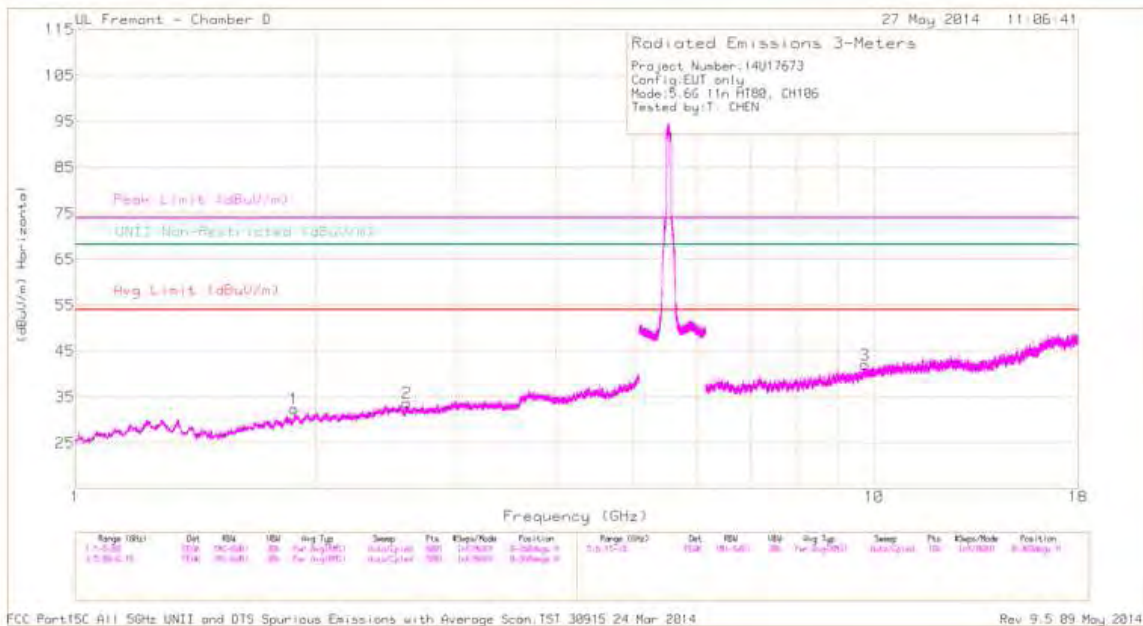
RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL, 106)



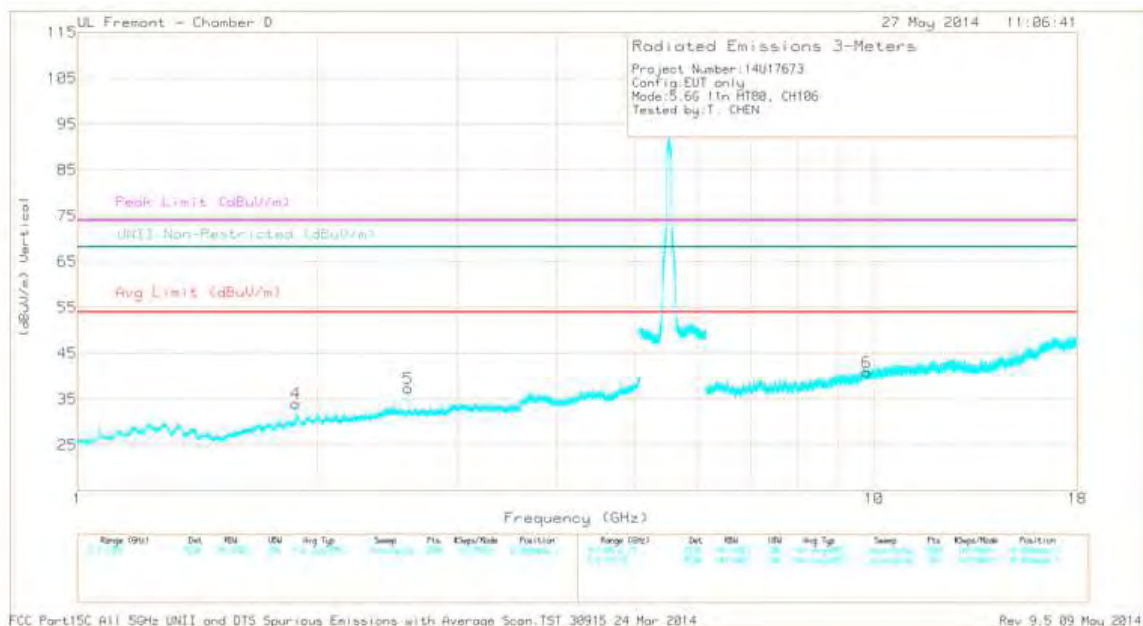


HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT, CH 106



LOW CHANNEL VERTICAL PLOT, CH 106



DATA

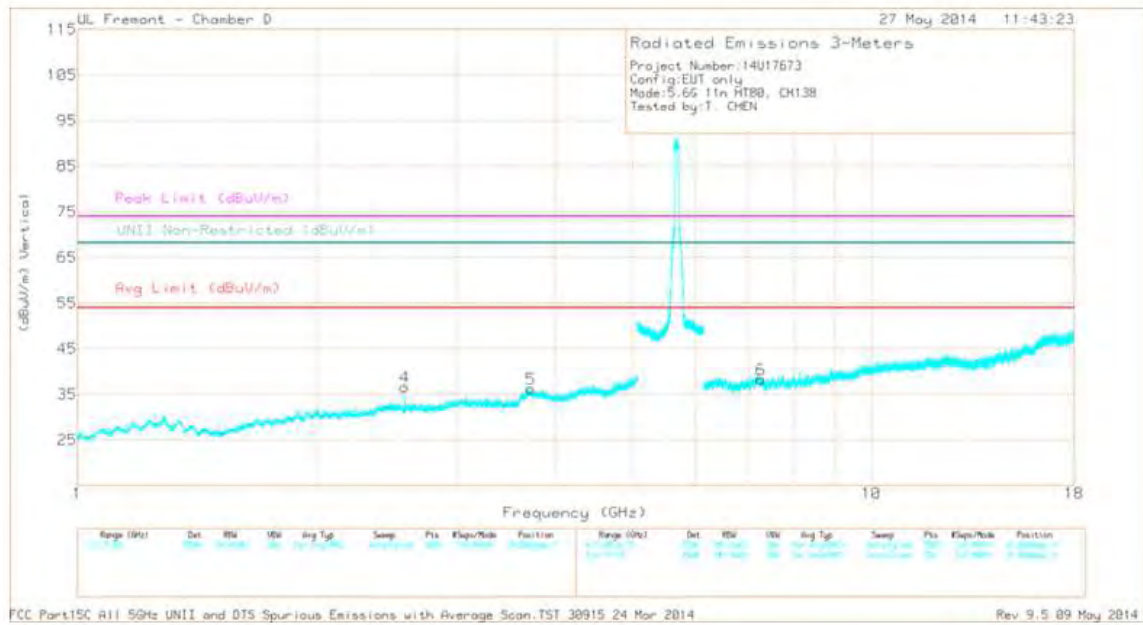
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Ftr /Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	1.882	39.73	PK1	30.1	-30.6	39.23	-	-	-	-	68.2	-28.97	357	258	V
	1.883	28.17	AD1	30.1	-30.6	27.67	-	-	-	-	-	-	357	258	V
4	2.6	41.73	PK1	31.9	-30.2	43.43	-	-	-	-	68.2	-24.77	7	201	H
	2.6	32.22	AD1	31.9	-30.2	33.92	-	-	-	-	-	-	7	201	H
5	2.6	42.28	PK1	31.9	-30.2	43.98	-	-	-	-	68.2	-24.22	5	201	V
	2.6	34.71	AD1	31.9	-30.2	36.41	-	-	-	-	-	-	5	201	V
2	3.032	39.21	PK1	32.5	-28.8	42.91	-	-	-	-	68.2	-25.29	241	100	H
	3.042	27.08	AD1	32.5	-28.7	30.88	-	-	-	-	-	-	241	100	H
3	9.735	23.19	AD1	36.4	-21.3	38.29	-	-	-	-	-	-	242	201	H
	9.74	34.23	PK1	36.4	-21.5	49.13	-	-	-	-	68.2	-19.07	242	201	H
6	9.801	34.57	PK1	36.5	-21.7	49.37	-	-	-	-	68.2	-18.83	297	201	V
	9.801	22.93	AD1	36.5	-21.7	37.73	-	-	-	-	-	-	297	201	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL VERTICAL PLOT, CH 138



DATA

Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/Fit r/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	UNII Non-Restricted (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
* 3.681	38.85	PK1	32.6	-28.5	42.95	-	-	74	-31.05	-	-	0	202	H
* 3.689	27.26	AD1	32.6	-28.6	31.26	54	-22.74	-	-	-	-	0	202	H
* 3.72	38.4	PK1	32.7	-28.7	42.4	-	-	74	-31.6	-	-	283	100	V
* 3.727	27.03	AD1	32.7	-28.7	31.03	54	-22.97	-	-	-	-	283	100	V
* 7.258	35.87	PK1	35.1	-24.6	46.37	-	-	74	-27.63	-	-	167	100	V
* 7.267	24.56	AD1	35.1	-24.7	34.96	54	-19.04	-	-	-	-	167	100	V
2.588	40.62	PK1	32	-30.3	42.32	-	-	-	-	68.2	-25.88	251	101	V
2.589	39.5	PK1	32	-30.3	41.2	-	-	-	-	68.2	-27	162	100	H
2.589	27.73	AD1	32	-30.3	29.43	-	-	-	-	-	-	162	100	H
2.589	28.61	AD1	32	-30.3	30.31	-	-	-	-	-	-	251	101	V
7.214	35.77	PK1	35.1	-23.9	46.97	-	-	-	-	68.2	-21.23	152	202	V
7.215	24.08	AD1	35.1	-23.9	35.28	-	-	-	-	-	-	152	202	V

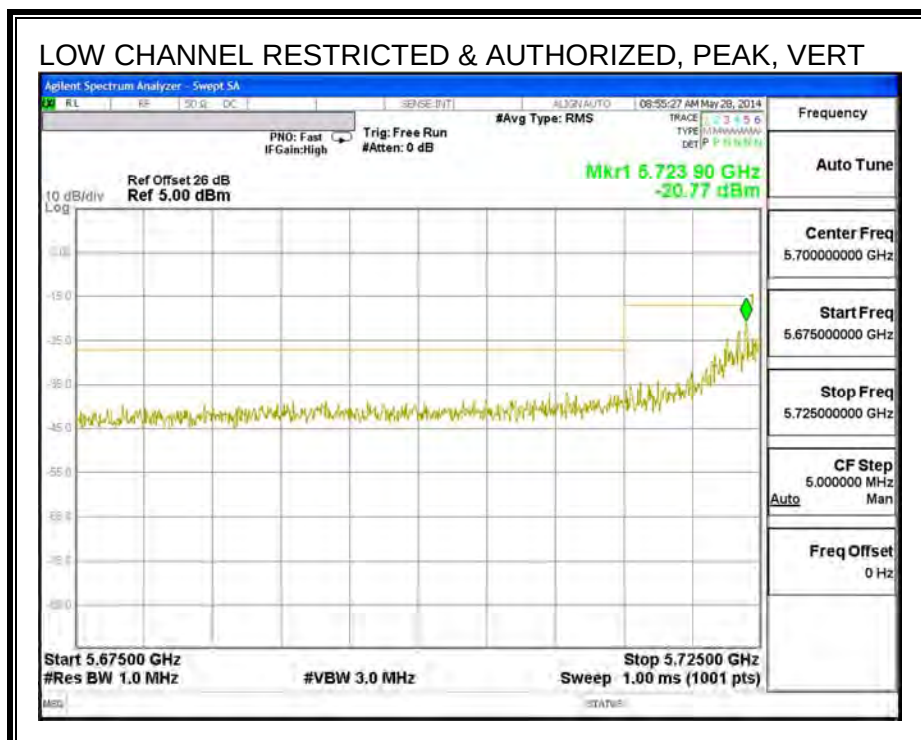
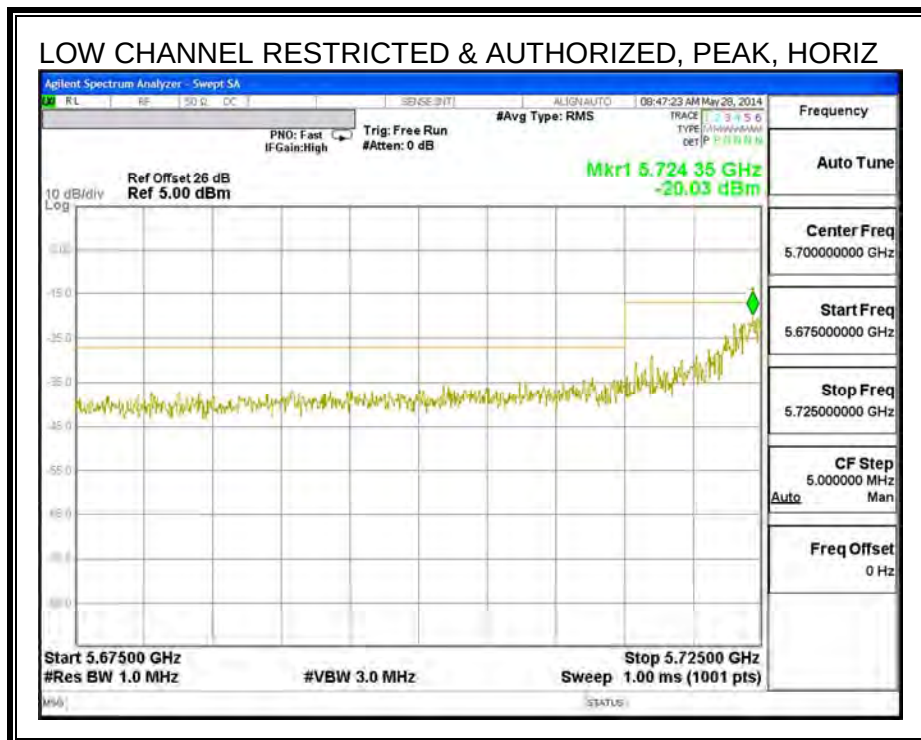
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

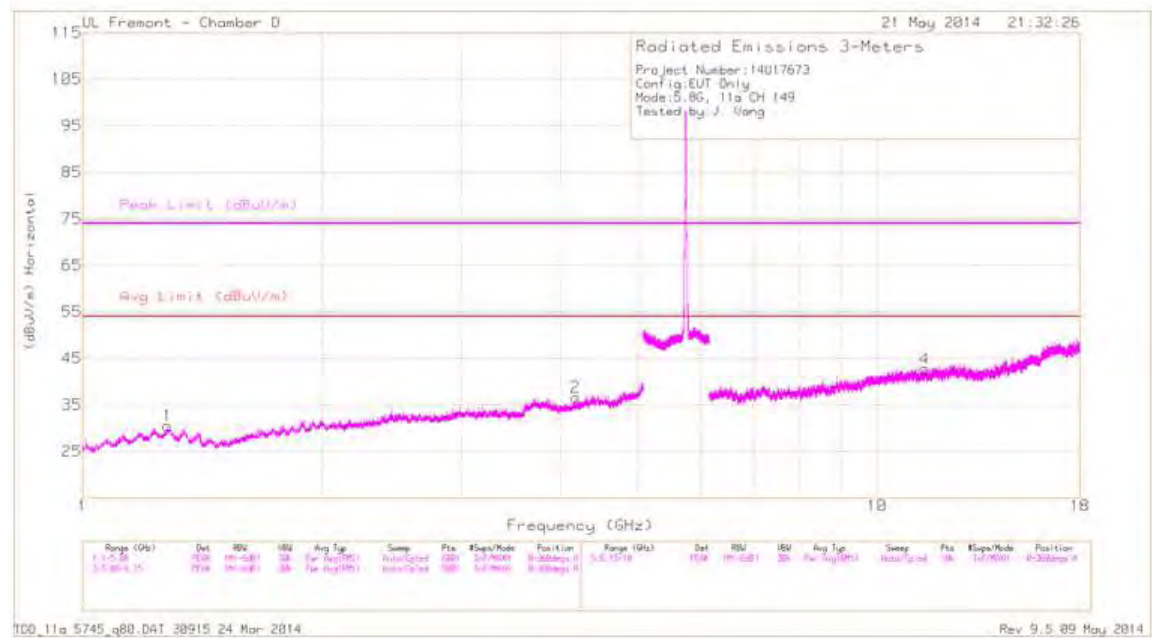
10.2.16. TX ABOVE 1 GHz 802.11a MODE IN THE 5.8 GHz BAND

RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL)



HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT



LOW CHANNEL VERTICAL PLOT



DATA

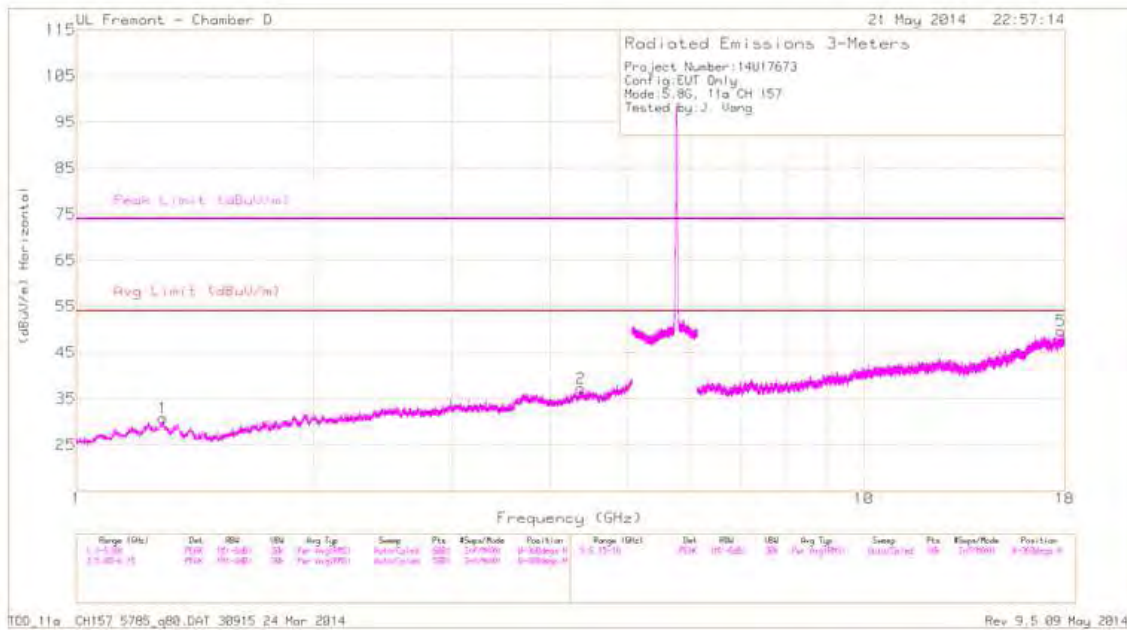
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Ftr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.278	40.58	PK1	29.3	-31.5	38.38	-	-	74	-35.62	152	202	H
	* 1.283	29.2	AD1	29.2	-31.3	27.1	54	-26.9	-	-	152	202	H
2	* 4.17	38.18	PK1	32.9	-28.2	42.88	-	-	74	-31.12	152	202	H
	* 4.175	27.05	AD1	32.9	-28.3	31.65	54	-22.35	-	-	152	202	H
3	* 3.845	38.67	PK1	32.8	-28.7	42.77	-	-	74	-31.23	186	202	V
	* 3.845	27.48	AD1	32.8	-28.7	31.58	54	-22.42	-	-	186	202	V
4	* 11.487	34.42	PK1	37.7	-21.9	50.22	-	-	74	-23.78	336	202	H
	* 11.491	23.08	AD1	37.7	-21.9	38.88	54	-15.12	-	-	335	202	H
5	* 10.922	34.71	PK1	37.4	-21.6	50.51	-	-	74	-23.49	335	202	V
	* 10.925	23.68	AD1	37.4	-21.6	39.48	54	-14.52	-	-	335	202	V
6	* 11.488	34.34	PK1	37.7	-21.9	50.14	-	-	74	-23.86	261	100	V
	* 11.49	23.13	AD1	37.7	-21.9	38.93	54	-15.07	-	-	261	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

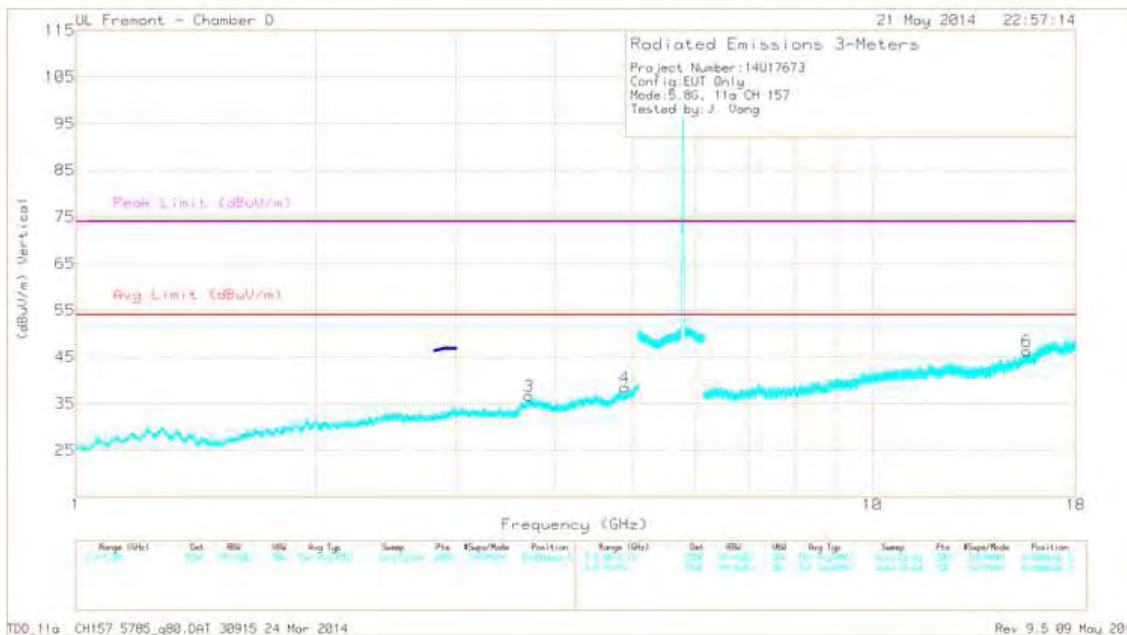
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

MID CHANNEL HORIZONTAL PLOT



MID CHANNEL VERTICAL PLOT



DATA

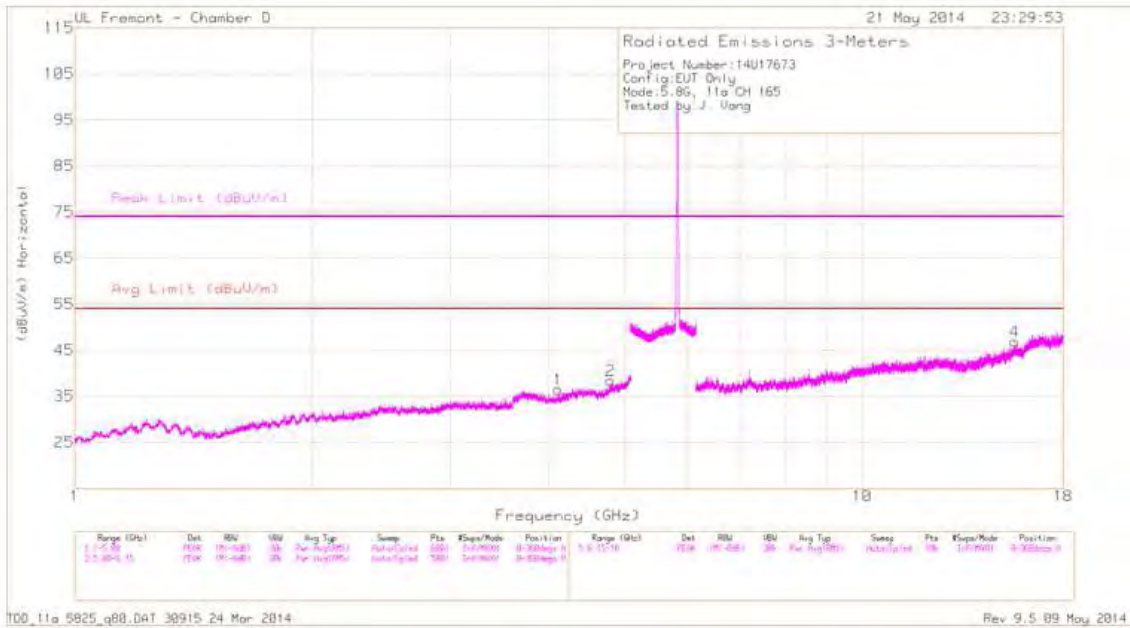
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.29	40.7	PK1	29.2	-31.2	38.7	-	-	74	-35.3	261	100	H
	* 1.287	29.41	AD1	29.2	-31.2	27.41	54	-26.59	-	-	261	100	H
2	* 4.366	38.36	PK1	33.2	-28	43.56	-	-	74	-30.44	349	202	H
	* 4.375	26.8	AD1	33.2	-27.9	32.1	54	-21.9	-	-	349	202	H
3	* 3.701	38.22	PK1	32.6	-28.5	42.32	-	-	74	-31.68	308	150	V
	* 3.706	27.25	AD1	32.6	-28.4	31.45	54	-22.55	-	-	308	150	V
4	* 4.894	36.56	PK1	33.5	-26.5	43.56	-	-	74	-30.44	245	101	V
	* 4.887	26.07	AD1	33.5	-26.8	32.77	54	-21.23	-	-	245	101	V
5	* 17.817	33.47	PK1	41.2	-18.2	56.47	-	-	74	-17.53	179	202	H
	* 17.815	22.55	AD1	41.2	-18.2	45.55	54	-8.45	-	-	179	202	H
6	* 15.623	34.38	PK1	39.9	-20.9	53.38	-	-	74	-20.62	360	101	V
	* 15.622	23.57	AD1	39.9	-20.9	42.57	54	-11.43	-	-	360	101	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

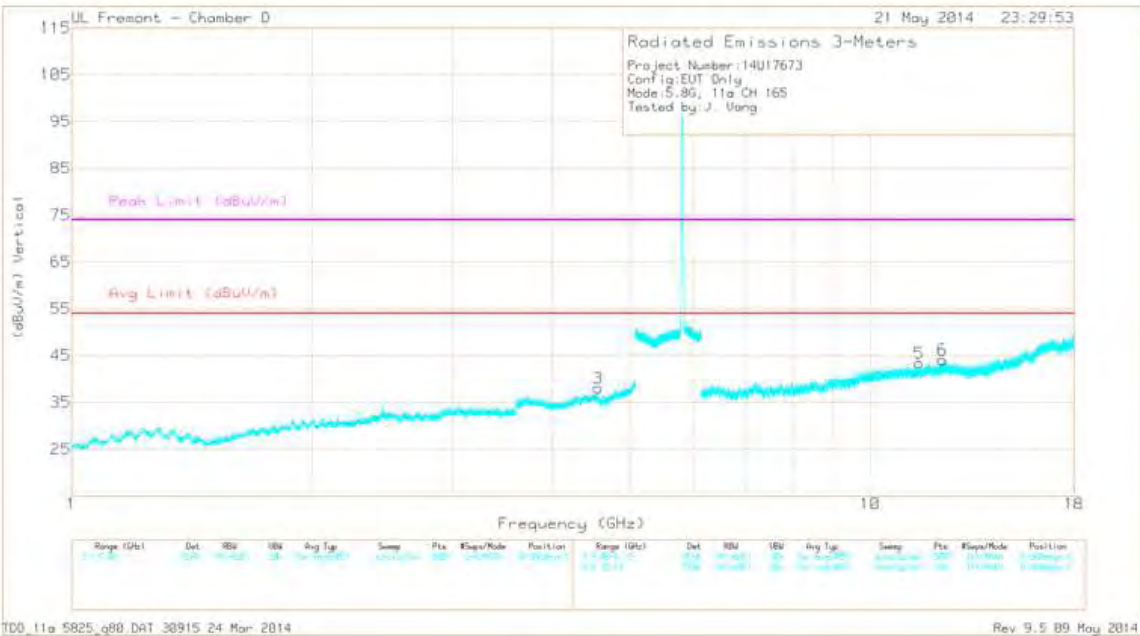
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HORIZONTAL PLOT



HIGH CHANNEL VERTICAL PLOT



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 4.108	38.05	PK1	32.9	-28.3	42.65	-	-	74	-31.35	360	101	H
	* 4.106	27.29	AD1	32.9	-28.3	31.89	54	-22.11	-	-	360	101	H
2	* 4.79	37.86	PK1	33.5	-26.9	44.46	-	-	74	-29.54	128	101	H
	* 4.788	27.04	AD1	33.5	-26.9	33.64	54	-20.36	-	-	128	101	H
3	* 4.565	38.75	PK1	33.5	-27.9	44.35	-	-	74	-29.65	258	166	V
	* 4.567	27.48	AD1	33.5	-27.8	33.18	54	-20.82	-	-	258	166	V
4	* 15.623	34.97	PK1	39.9	-20.9	53.97	-	-	74	-20.03	360	202	H
	* 15.621	23.54	AD1	39.9	-20.9	42.54	54	-11.46	-	-	360	202	H
5	* 11.522	34.9	PK1	37.7	-21.7	50.9	-	-	74	-23.1	360	202	V
	* 11.526	23.73	AD1	37.7	-21.7	39.73	54	-14.27	-	-	360	202	V
6	* 12.327	34.64	PK1	38.4	-22.1	50.94	-	-	74	-23.06	186	202	V
	* 12.326	23.42	AD1	38.4	-22.1	39.72	54	-14.28	-	-	186	202	V

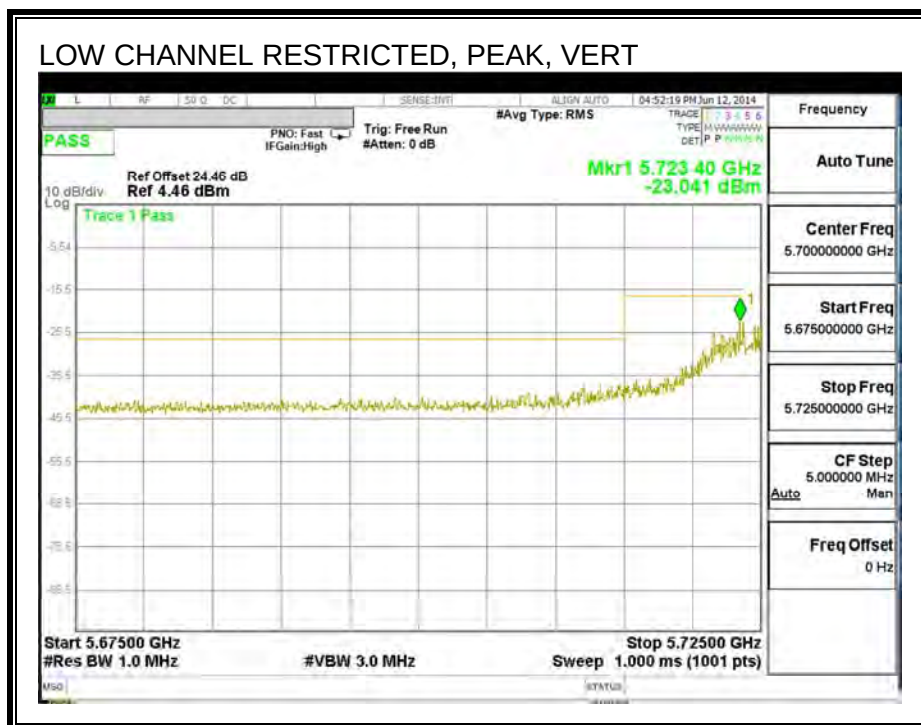
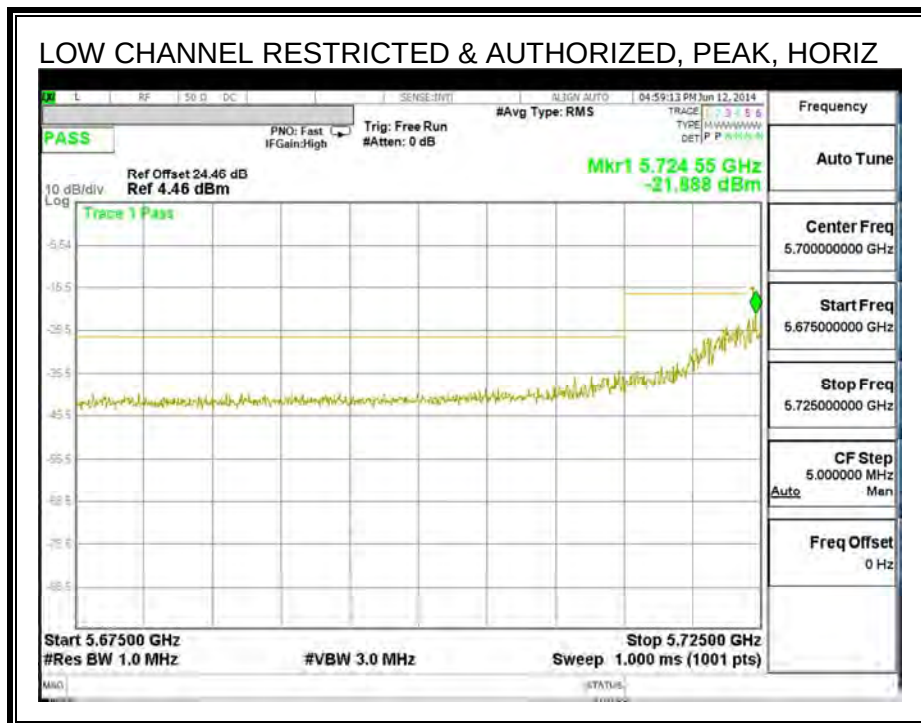
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

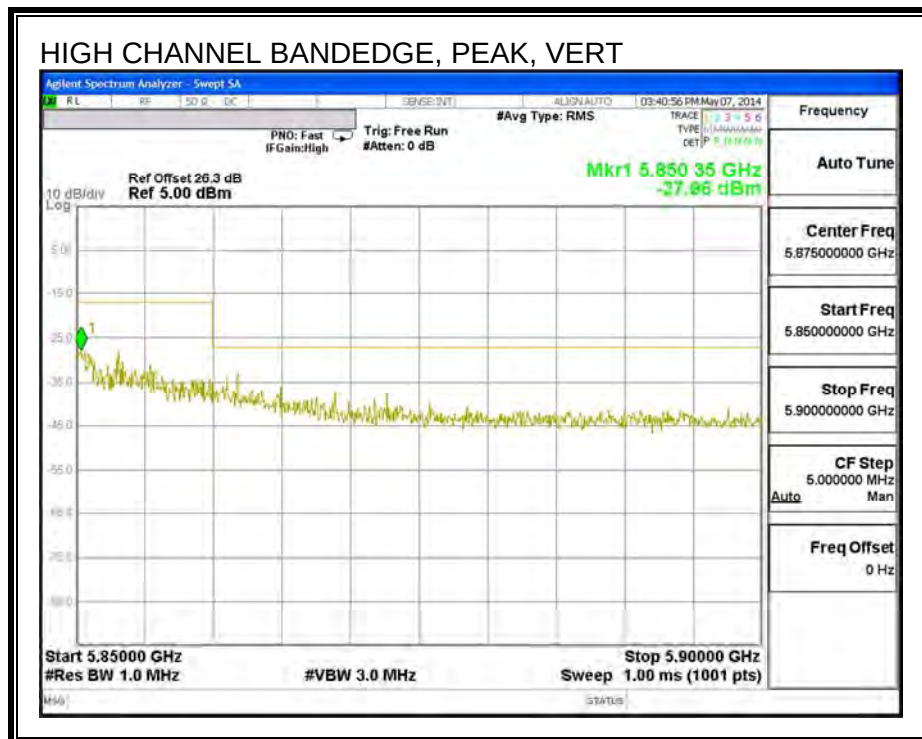
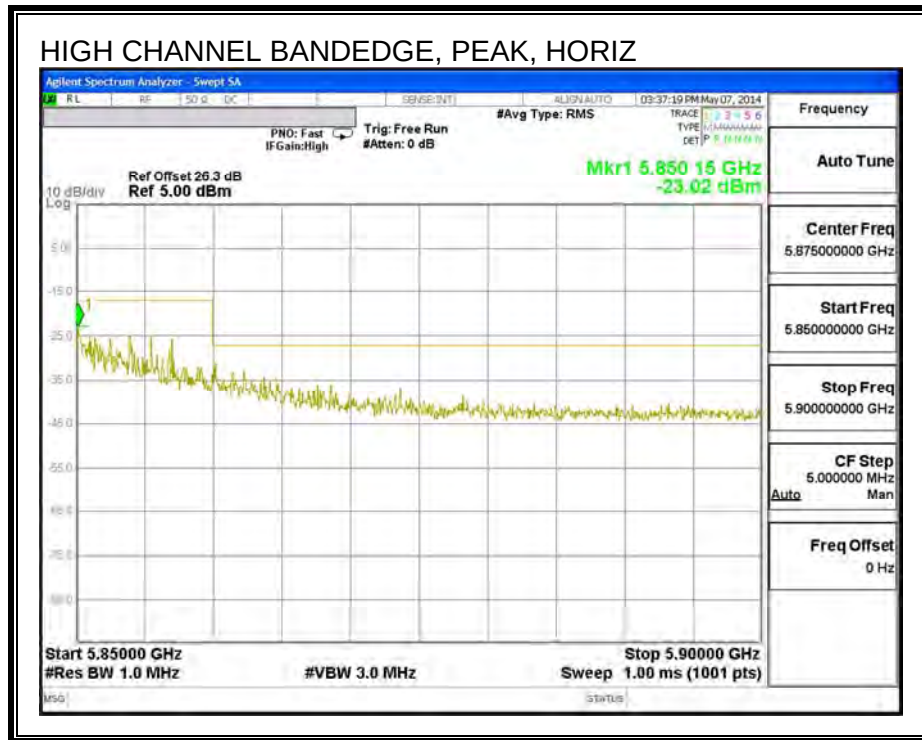
AD1 - KDB789033 Method: AD Primary Power Average

10.2.17. TX ABOVE 1 GHz 802.11n HT20 MODE IN THE 5.8 GHz BAND

RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL)

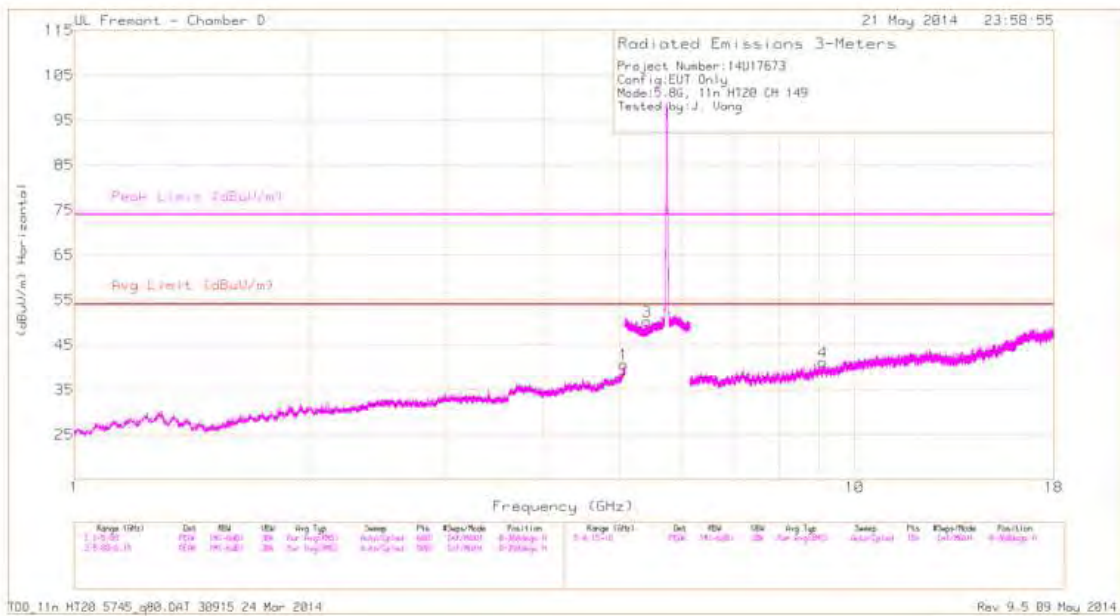


AUTHORIZED BANDEDGE (HIGH CHANNEL)

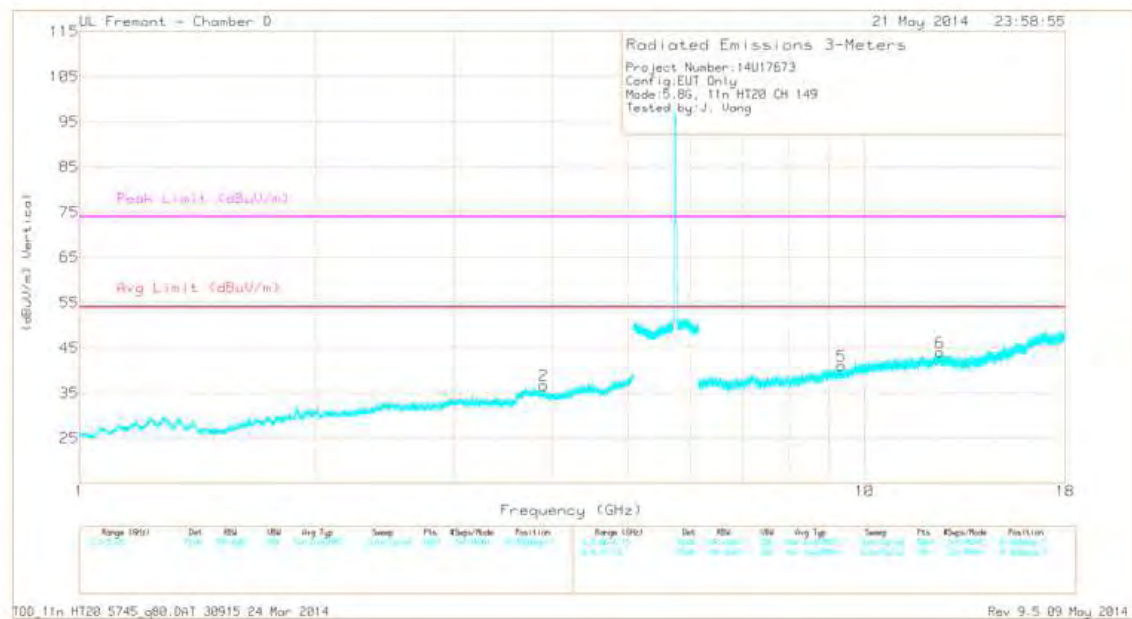


HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT CH149



LOW CHANNEL VERTICAL PLOT CH149



DATA

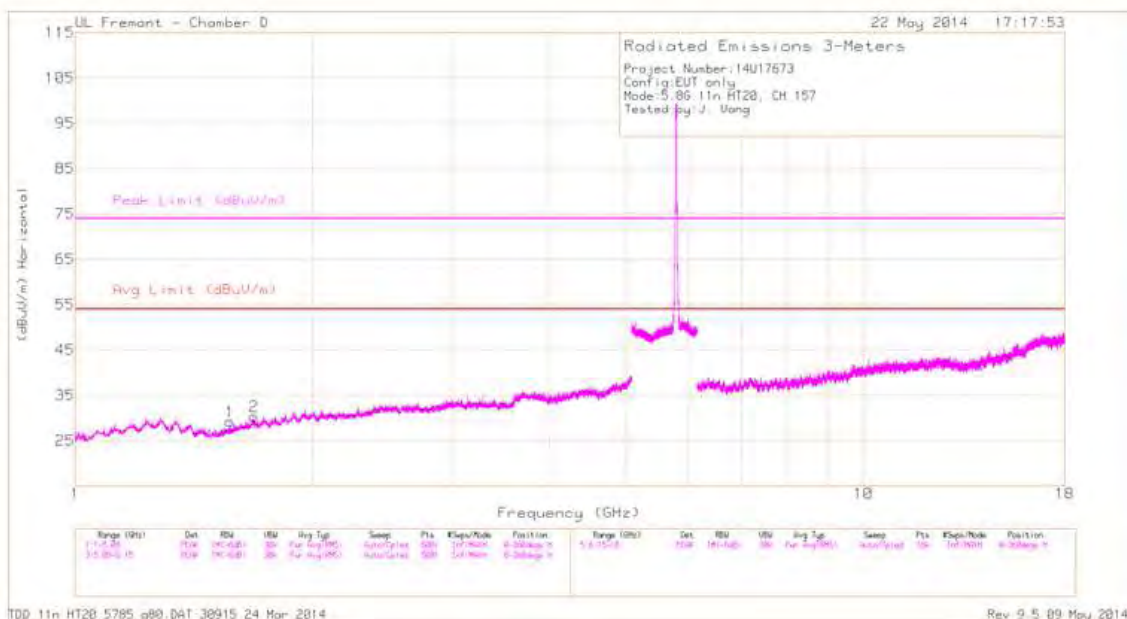
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 5.062	33.21	PK1	33.6	-25.1	41.71	-	-	74	-32.29	191	100	H
	* 5.062	26.71	AD1	33.6	-25.1	35.21	54	-18.79	-	-	191	100	H
2	* 3.903	31.86	PK1	32.8	-28.7	35.96	-	-	74	-38.04	191	100	V
	* 3.904	27.96	AD1	32.8	-28.7	32.06	54	-21.94	-	-	191	100	V
3	* 5.421	34.34	PK1	33.9	-17.9	50.34	-	-	74	-23.66	191	100	H
	* 5.42	30.03	AD1	33.9	-17.9	46.03	54	-7.97	-	-	191	100	H
4	* 9.105	29.84	PK1	35.8	-22.2	43.44	-	-	74	-30.56	202	100	H
	* 9.106	23.19	AD1	35.8	-22.2	36.79	54	-17.21	-	-	202	100	H
5	* 9.351	29.65	PK1	36	-22.4	43.25	-	-	74	-30.75	207	202	V
	* 9.349	23.29	AD1	36	-22.4	36.89	54	-17.11	-	-	207	202	V
6	* 12.468	29.87	PK1	38.5	-21.2	47.17	-	-	74	-26.83	214	100	V
	* 12.469	23.29	AD1	38.5	-21.2	40.59	54	-13.41	-	-	214	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

MID CHANNEL HORIZONTAL PLOT, CH 157



MID CHANNEL VERTICAL PLOT, CH 157



DATA

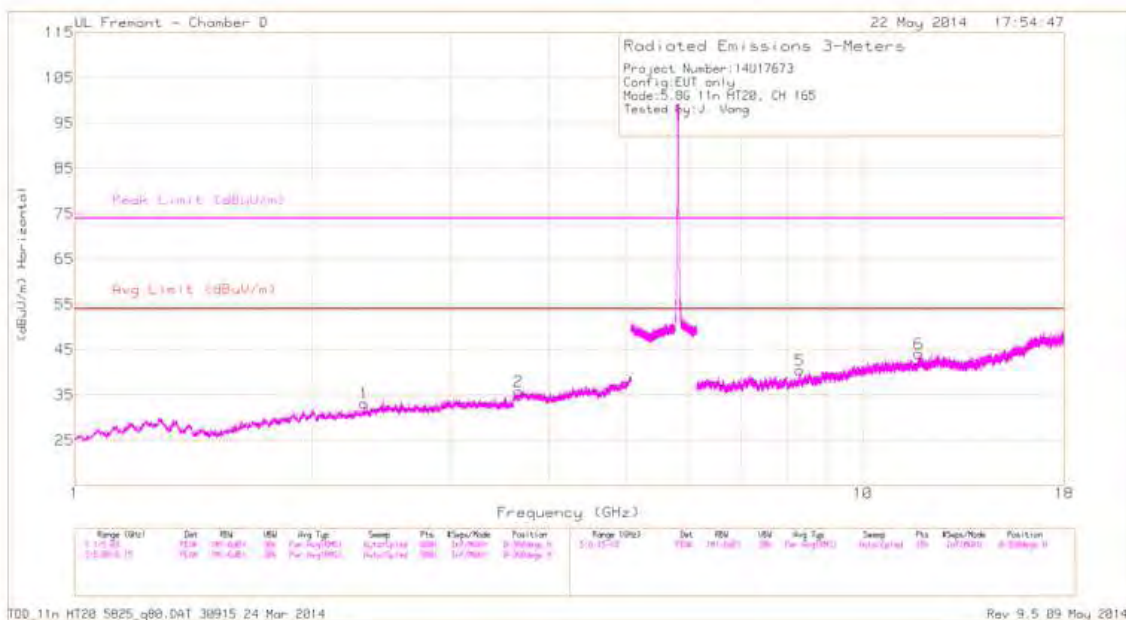
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/F ltr/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.572	34.79	PK1	27.6	-31.2	31.19	-	-	74	-42.81	216	202	H
	* 1.57	28.19	AD1	27.6	-31.2	24.59	54	-29.41	-	-	216	202	H
2	* 1.685	34.9	PK1	28.8	-30.7	33	-	-	74	-41	216	202	H
	* 1.684	28.43	AD1	28.7	-30.7	26.43	54	-27.57	-	-	216	202	H
3	* 1.169	33.37	PK1	28.5	-32	29.87	-	-	74	-44.13	216	202	V
	* 1.168	29.49	AD1	28.5	-32	25.99	54	-28.01	-	-	216	202	V
4	* 2.286	32.49	PK1	30.8	-30.4	32.89	-	-	74	-41.11	216	202	V
	* 2.287	28.55	AD1	30.8	-30.4	28.95	54	-25.05	-	-	216	202	V
5	* 4.298	31.13	PK1	33	-27.8	36.33	-	-	74	-37.67	216	202	V
	* 4.298	27.22	AD1	33	-27.8	32.42	54	-21.58	-	-	216	202	V
6	* 9.109	26.92	PK1	35.8	-22.2	40.52	-	-	74	-33.48	216	202	V
	* 9.108	23.71	AD1	35.8	-22.2	37.31	54	-16.69	-	-	216	202	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

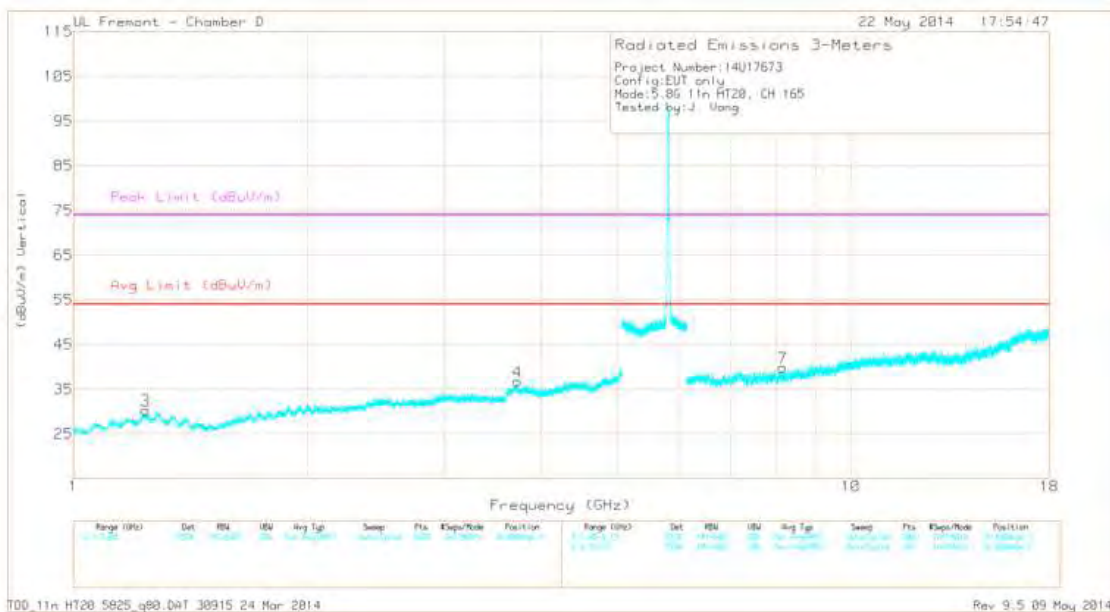
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HORIZONTAL PLOT



HIGH CHANNEL VERTICAL PLOT



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 2.329	34.35	PK1	31.1	-30.5	34.95	-	-	74	-39.05	224	100	H
	* 2.33	27.85	AD1	31.1	-30.5	28.45	54	-25.55	-	-	224	100	H
2	* 3.656	33.16	PK1	32.5	-28.6	37.06	-	-	74	-36.94	224	100	H
	* 3.655	26.65	AD1	32.5	-28.6	30.55	54	-23.45	-	-	224	100	H
3	* 1.236	33.18	PK1	29.4	-31.8	30.78	-	-	74	-43.22	224	100	V
	* 1.238	29.1	AD1	29.4	-31.8	26.7	54	-27.3	-	-	224	100	V
4	* 3.724	31.46	PK1	32.7	-28.7	35.46	-	-	74	-38.54	224	100	V
	* 3.724	27.39	AD1	32.7	-28.7	31.39	54	-22.61	-	-	224	100	V
5	* 8.311	28.47	PK1	35.3	-24.1	39.67	-	-	74	-34.33	224	100	H
	* 8.311	25.27	AD1	35.3	-24.1	36.47	54	-17.53	-	-	224	100	H
6	* 11.779	26.66	PK1	37.9	-21.2	43.36	-	-	74	-30.64	224	100	H
	* 11.778	23.27	AD1	37.9	-21.2	39.97	54	-14.03	-	-	224	100	H
7	* 8.176	28.36	PK1	35.3	-24.3	39.36	-	-	74	-34.64	224	100	V
	* 8.176	25.14	AD1	35.3	-24.3	36.14	54	-17.86	-	-	224	100	V

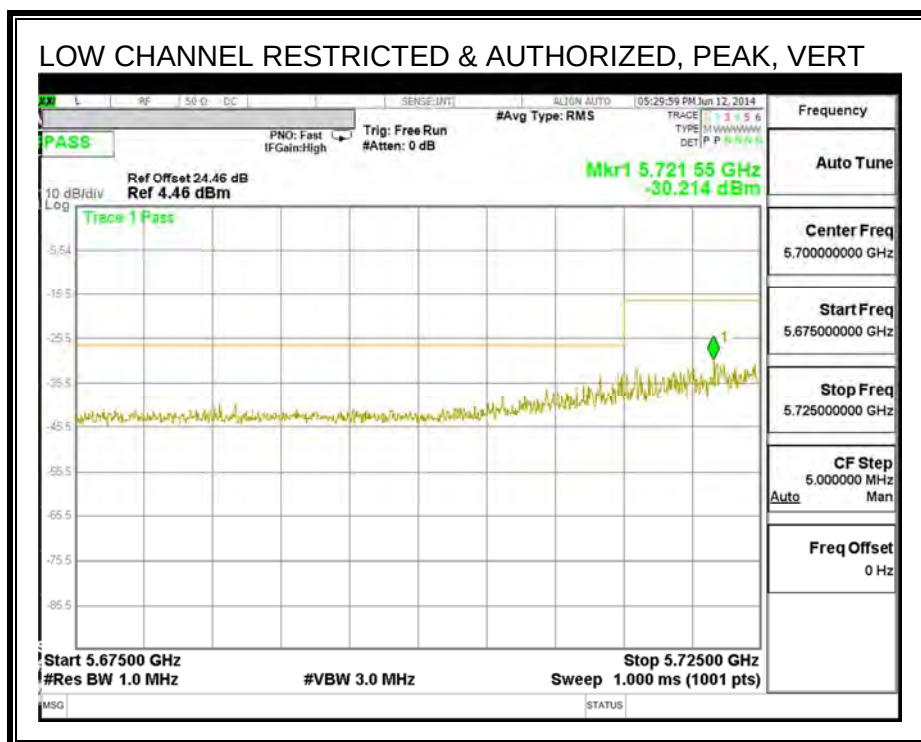
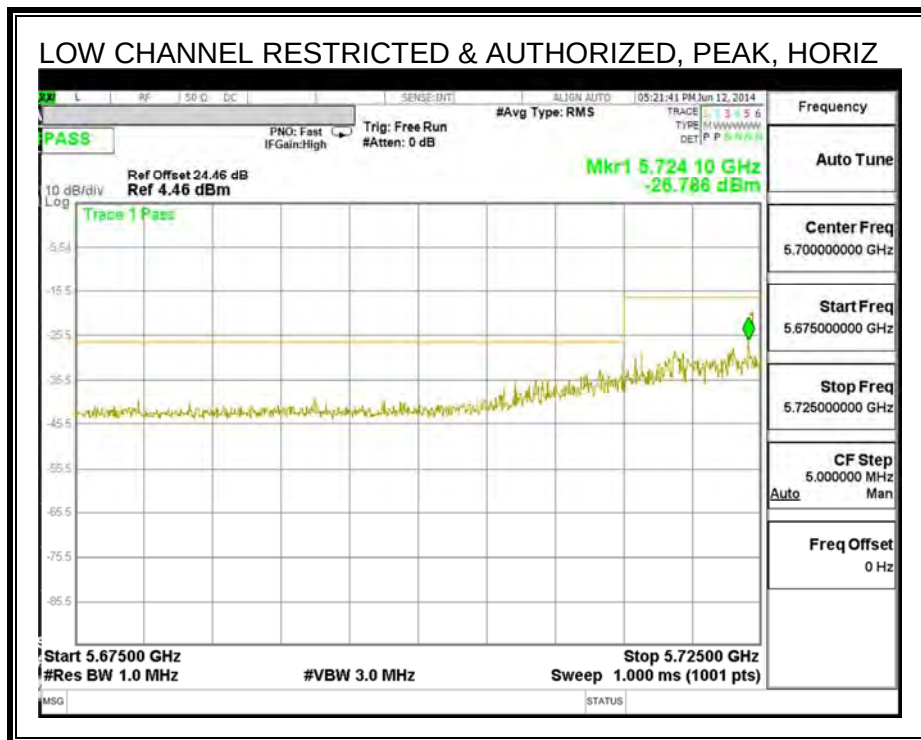
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

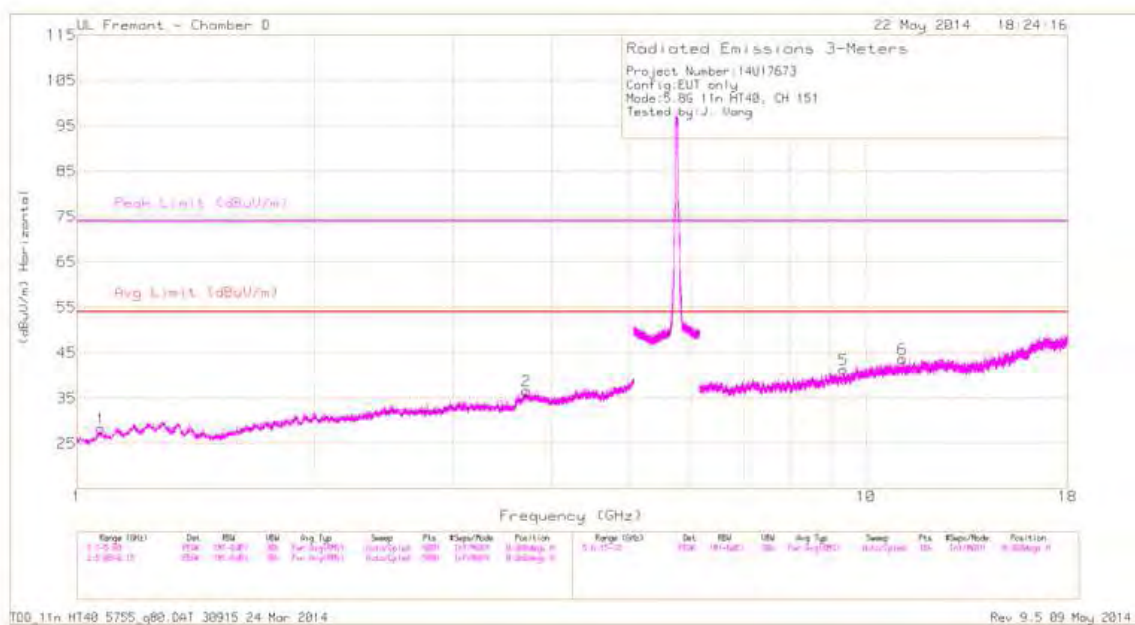
10.2.18. TX ABOVE 1 GHz 802.11n HT40 MODE IN THE 5.8 GHz BAND

RESTRICTED & AUTHORIZED BANDEDGE (LOW CHANNEL)

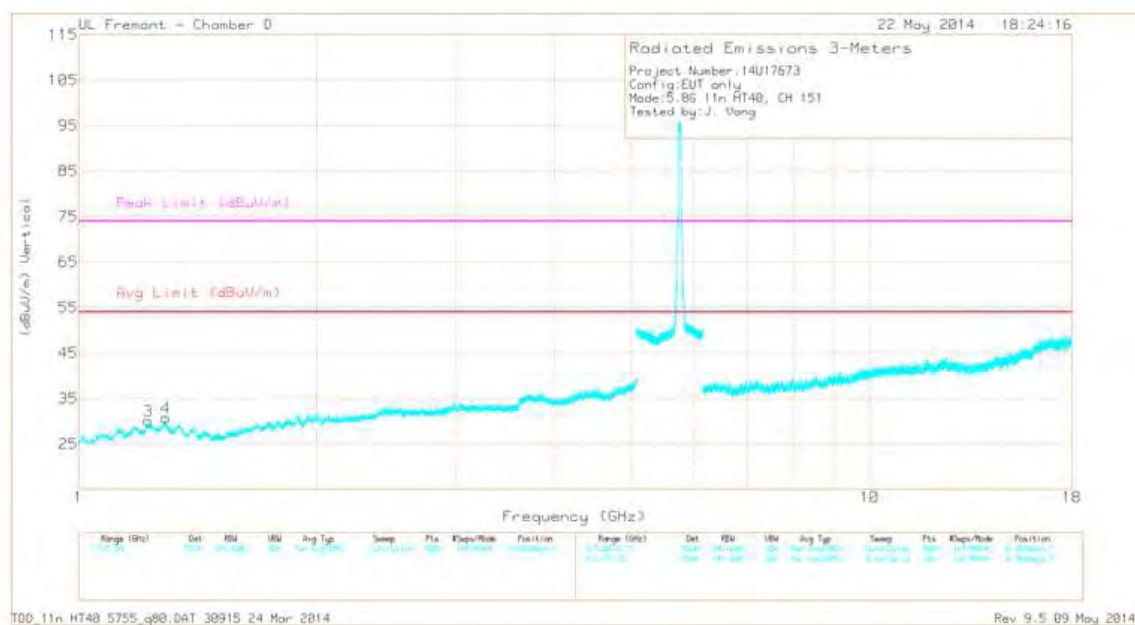


HARMONICS AND SPURIOUS EMISSIONS

LOW CHANNEL HORIZONTAL PLOT



LOW CHANNEL VERTICAL PLOT



DATA

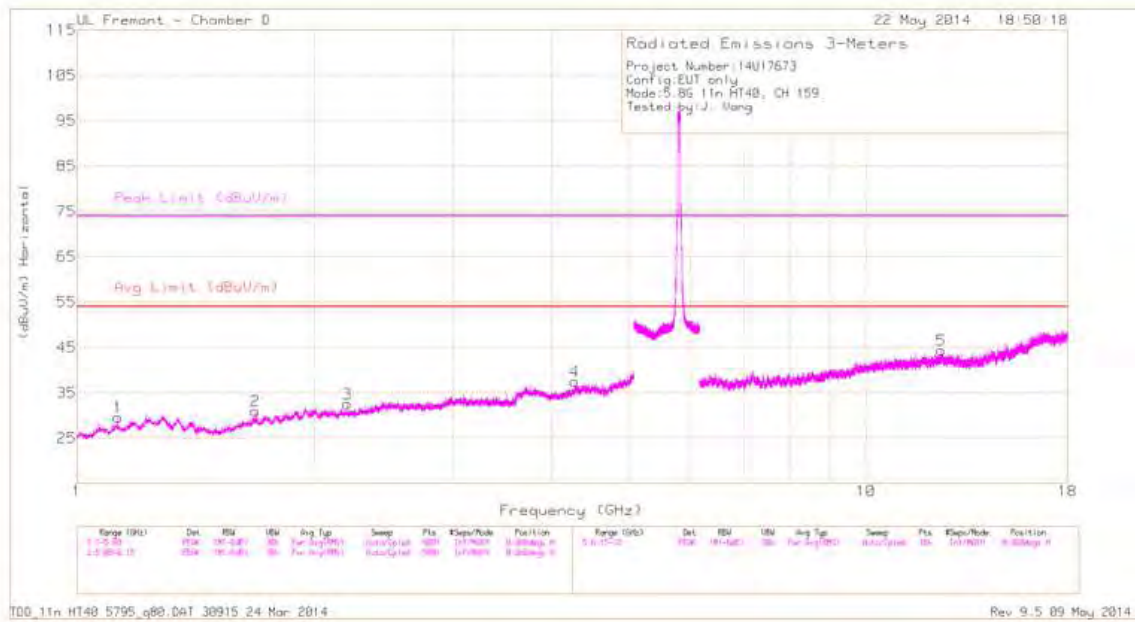
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.072	35.7	PK1	27.1	-31.9	30.9	-	-	74	-43.1	258	100	H
	* 1.073	29.14	AD1	27.1	-31.9	24.34	54	-29.66	-	-	258	100	H
2	* 3.711	33.59	PK1	32.6	-28.4	37.79	-	-	74	-36.21	258	100	H
	* 3.711	27.08	AD1	32.6	-28.4	31.28	54	-22.72	-	-	258	100	H
3	* 1.225	33.15	PK1	29.2	-31.9	30.45	-	-	74	-43.55	258	100	V
	* 1.223	29.27	AD1	29.2	-31.9	26.57	54	-27.43	-	-	258	100	V
4	* 1.288	33.31	PK1	29.2	-31.2	31.31	-	-	74	-42.69	258	100	V
	* 1.288	29.5	AD1	29.2	-31.2	27.5	54	-26.5	-	-	258	100	V
5	* 9.365	27.61	PK1	36	-23.1	40.51	-	-	74	-33.49	258	100	H
	* 9.367	24.32	AD1	36	-23.2	37.12	54	-16.88	-	-	258	100	H
6	* 11.113	26.85	PK1	37.5	-21.8	42.55	-	-	74	-31.45	258	100	H
	* 11.114	23.64	AD1	37.5	-21.7	39.44	54	-14.56	-	-	258	100	H

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

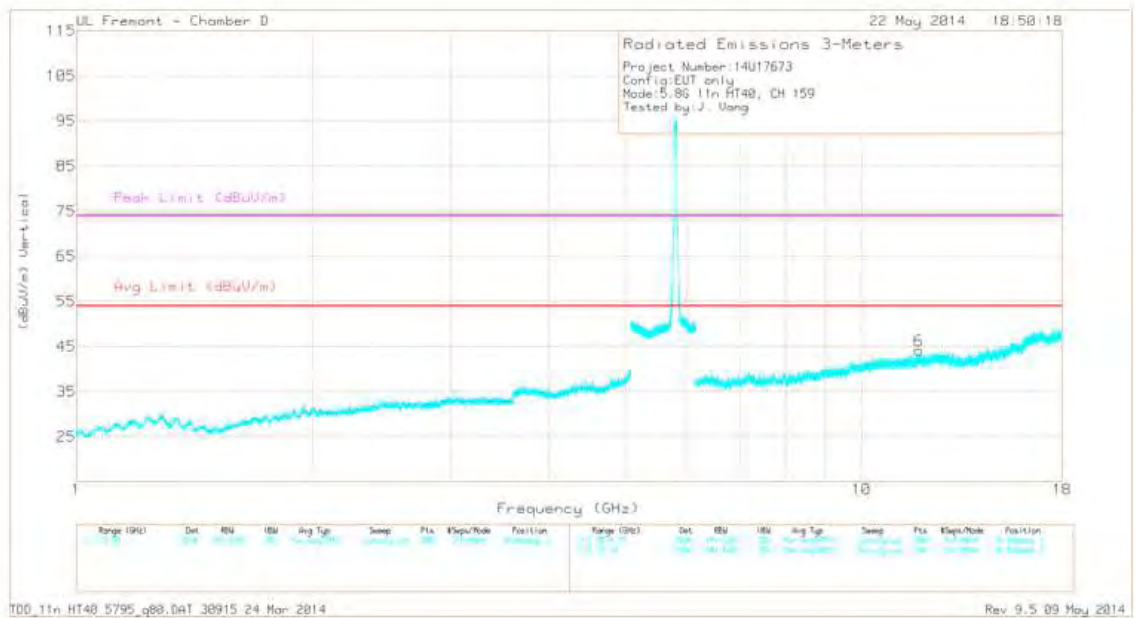
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

HIGH CHANNEL HORIZONTAL PLOT, CH 159



HIGH CHANNEL VERTICAL PLOT, CH 159



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cbl/ Filt/Pad (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.127	35.69	PK1	27.9	-32	31.59	-	-	74	-42.41	300	100	H
	* 1.127	29.17	AD1	27.9	-32	25.07	54	-28.93	-	-	300	100	H
2	* 1.683	35	PK1	28.7	-30.7	33	-	-	74	-41	300	100	H
	* 1.683	28.4	AD1	28.7	-30.7	26.4	54	-27.6	-	-	300	100	H
3	* 2.201	34.47	PK1	30.6	-30.5	34.57	-	-	74	-39.43	300	100	H
	* 2.202	27.97	AD1	30.6	-30.5	28.07	54	-25.93	-	-	300	100	H
4	* 4.273	33.18	PK1	33	-28.1	38.08	-	-	74	-35.92	300	100	H
	* 4.271	26.63	AD1	33	-28.1	31.53	54	-22.47	-	-	300	100	H
5	* 12.462	27.06	PK1	38.5	-21.2	44.36	-	-	74	-29.64	300	100	H
	* 12.461	23.86	AD1	38.5	-21.2	41.16	54	-12.84	-	-	300	100	H
6	* 11.838	26.58	PK1	38	-21.2	43.38	-	-	74	-30.62	300	100	V
	* 11.839	23.56	AD1	38	-21.2	40.36	54	-13.64	-	-	300	100	V

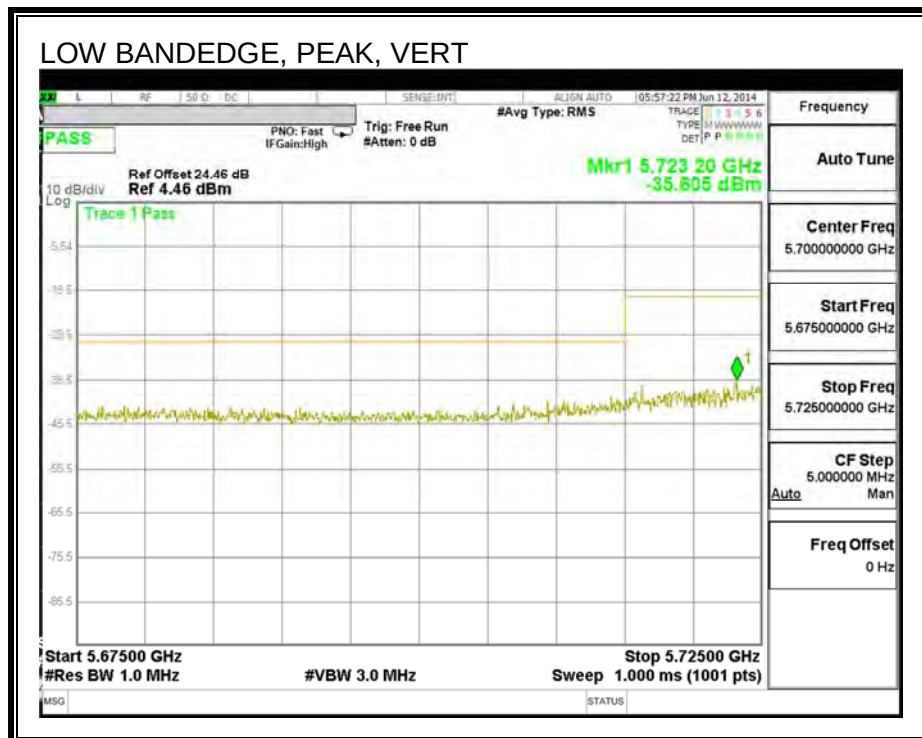
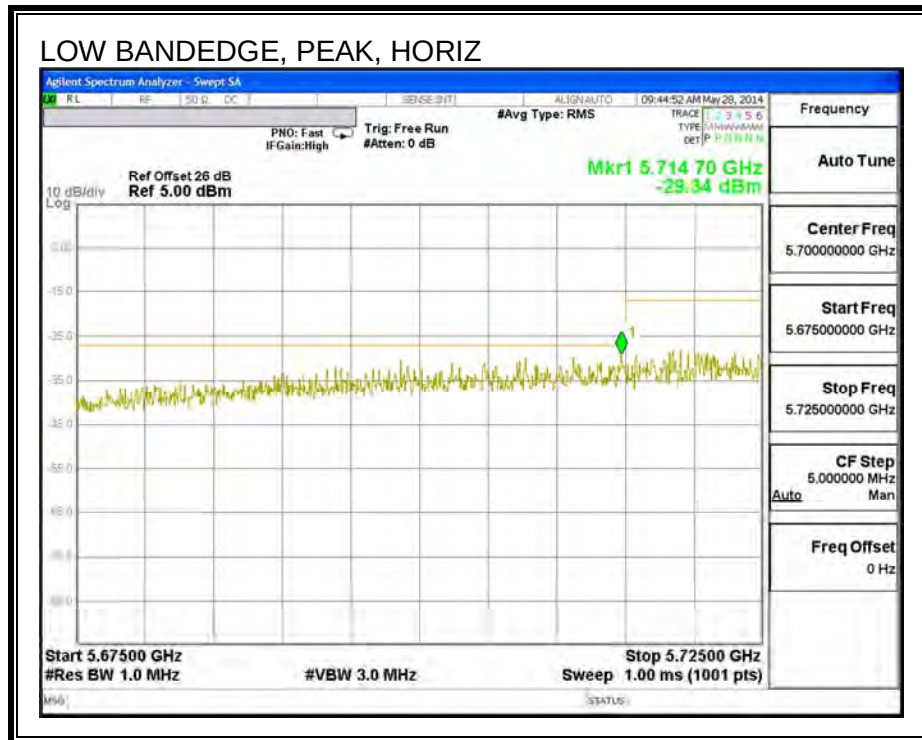
* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK1 - KDB789033 Method: Peak

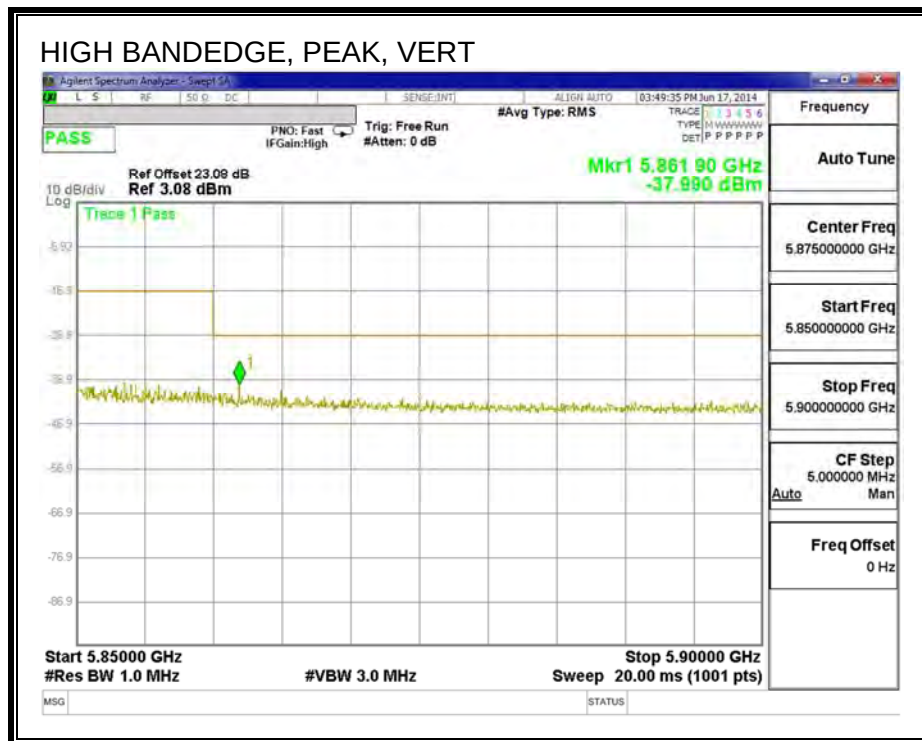
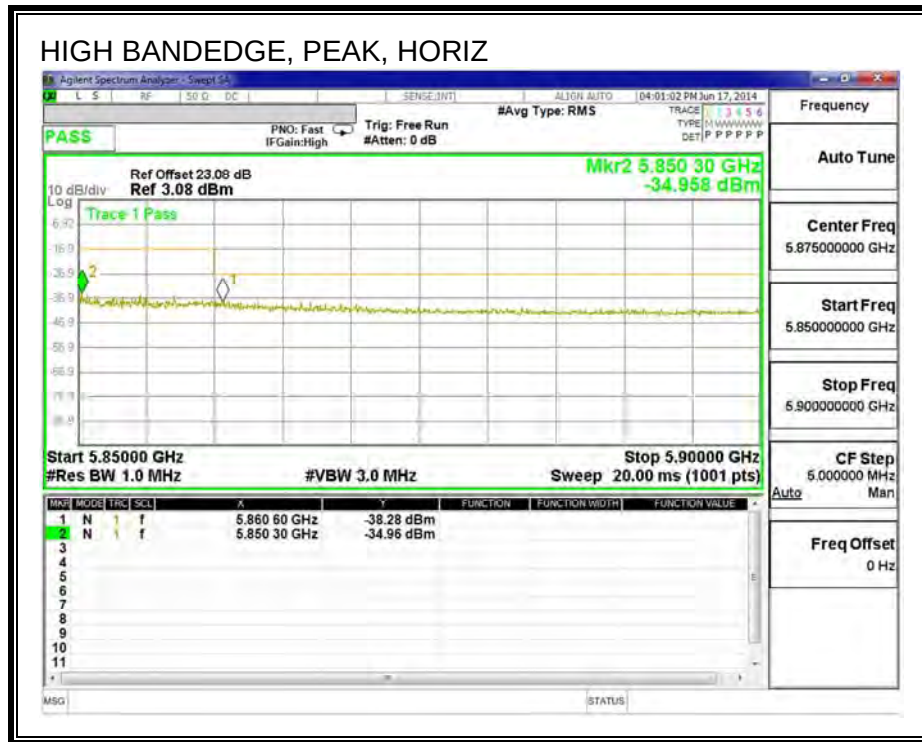
AD1 - KDB789033 Method: AD Primary Power Average

10.2.19. TX ABOVE 1G 802.11ac 80MHz MODE IN THE 5.8 GHz BAND

RESTRICTED & AUTHORIZED BANDEDGE (LOW, 155)

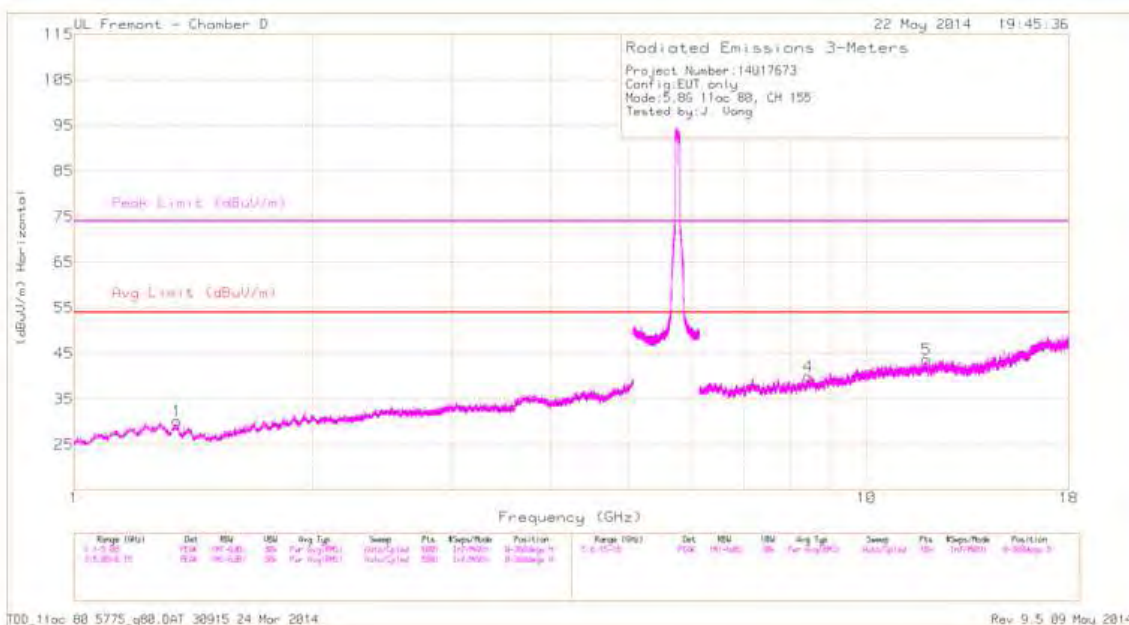


AUTHORIZED BANDEDGE (CHANNEL, 155)

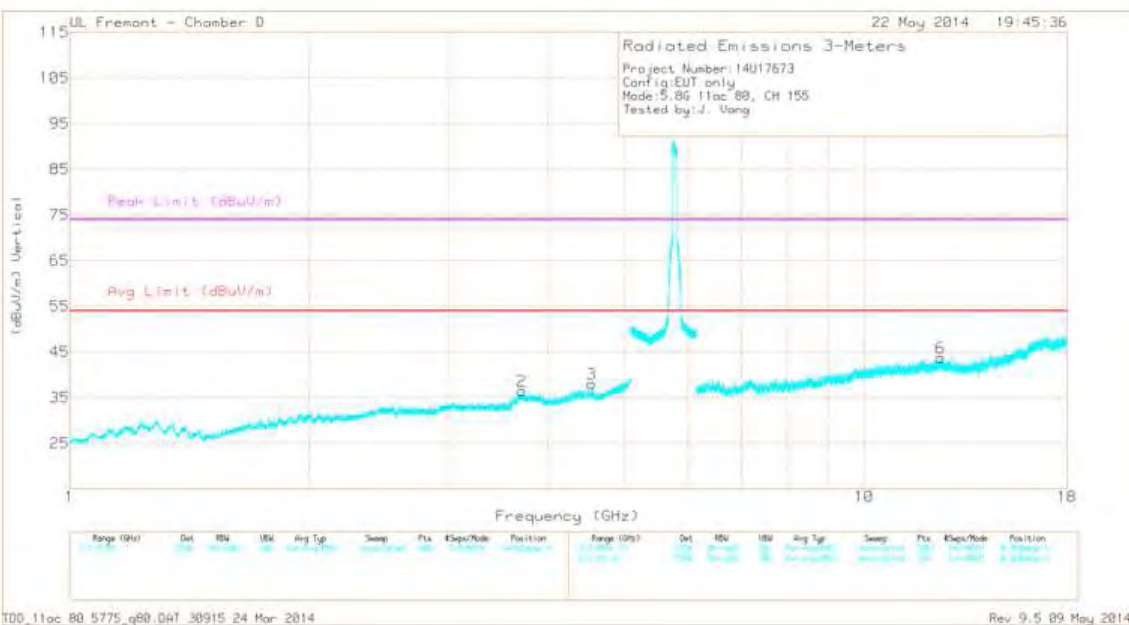


HARMONICS AND SPURIOUS EMISSIONS

CHANNEL 155 HORIZONTAL PLOT



CHANNEL 155 VERTICAL PLOT



DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T712 (dB/m)	Amp/Cb/Fitr /Pad (dB)	DC Corr (dB)	Corrected Reading (dBuV/m)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	* 1.348	35.22	PK1	28.5	-31.1	0	32.62	-	-	74	-41.38	331	100	H
	* 1.348	28.72	AD1	28.5	-31.1	.2	26.32	54	-27.68	-	-	331	100	H
2	* 3.707	31.41	PK1	32.6	-28.4	0	35.61	-	-	74	-38.39	331	100	V
	* 3.705	27.41	AD1	32.6	-28.5	.2	31.71	54	-22.29	-	-	331	100	V
3	* 4.541	30.88	PK1	33.5	-27.2	0	37.18	-	-	74	-36.82	331	100	V
	* 4.539	26.86	AD1	33.5	-27.1	.2	33.46	54	-20.54	-	-	331	100	V
4	* 8.443	28.23	PK1	35.4	-24.1	0	39.53	-	-	74	-34.47	331	100	H
	* 8.443	25.02	AD1	35.4	-24.1	.2	36.52	54	-17.48	-	-	331	100	H
5	* 11.914	26.69	PK1	38.1	-21.5	0	43.29	-	-	74	-30.71	331	100	H
	* 11.914	23.44	AD1	38.1	-21.5	.2	40.24	54	-13.76	-	-	331	100	H
6	* 12.468	27.1	PK1	38.5	-21.2	0	44.4	-	-	74	-29.6	331	100	V
	* 12.47	23.74	AD1	38.5	-21.2	.2	41.24	54	-12.76	-	-	331	100	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

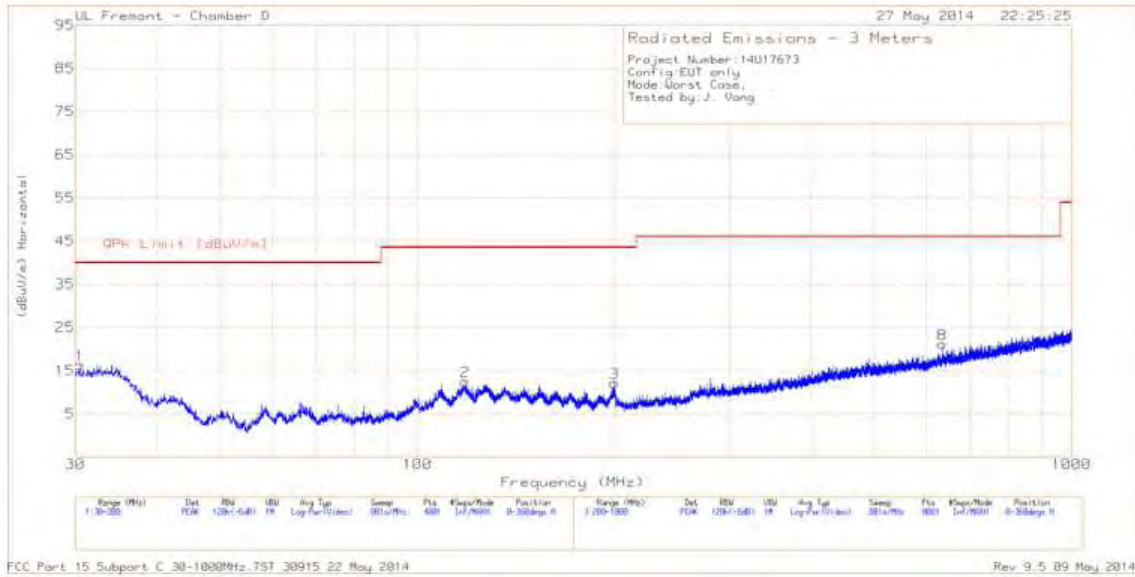
PK1 - KDB789033 Method: Peak

AD1 - KDB789033 Method: AD Primary Power Average

10.3. WORST-CASE BELOW 1 GHz

SPURIOUS EMISSIONS 30 TO 1000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL & VERTICAL)

HORIZONTAL PLOT



VERTICAL PLOT



HORIZONTAL & VERTICAL DATA

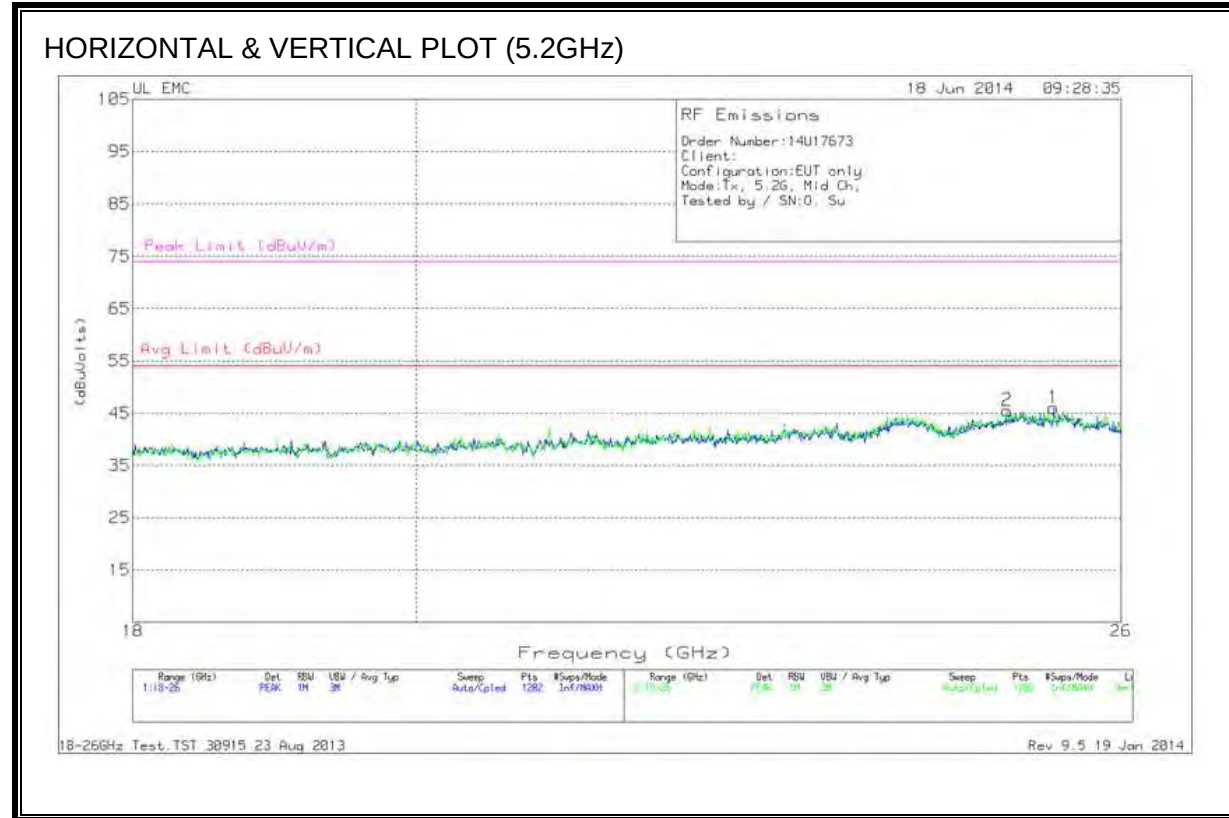
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	Hybrid	Amp/Cbl (dB)	Corrected Reading (dBuV/m)	QPk Limit (dBuV/m)	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	* 118.315	29.76	PK	13.7	-30.9	12.56	43.52	-30.96	0-360	98	H
1	30.4675	26.96	PK	21.1	-31.7	16.36	40	-23.64	0-360	300	H
4	33.6975	30.04	PK	18.7	-31.9	16.84	40	-23.16	0-360	100	V
5	58.0925	35.94	PK	7.5	-31.6	11.84	40	-28.16	0-360	100	V
6	66.38	35.72	PK	8.1	-31.7	12.12	40	-27.88	0-360	100	V
7	100.3375	33.15	PK	10.4	-31.7	11.85	43.52	-31.67	0-360	100	V
3	200	30.56	PK	12.4	-30.8	12.16	43.52	-31.36	0-360	98	H
8	634.7	30.81	PK	19.7	-29.4	21.11	46.02	-24.91	0-360	300	H
9	840.7	30.38	PK	21.8	-28.7	23.48	46.02	-22.54	0-360	200	V

* - indicates frequency in CFR15.205/IC7.2.2 Restricted Band

PK - Peak detector

10.4. WORST-CASE 18 to 26 GHz

SPURIOUS EMISSIONS 18000 TO 26000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL & VERTICAL)



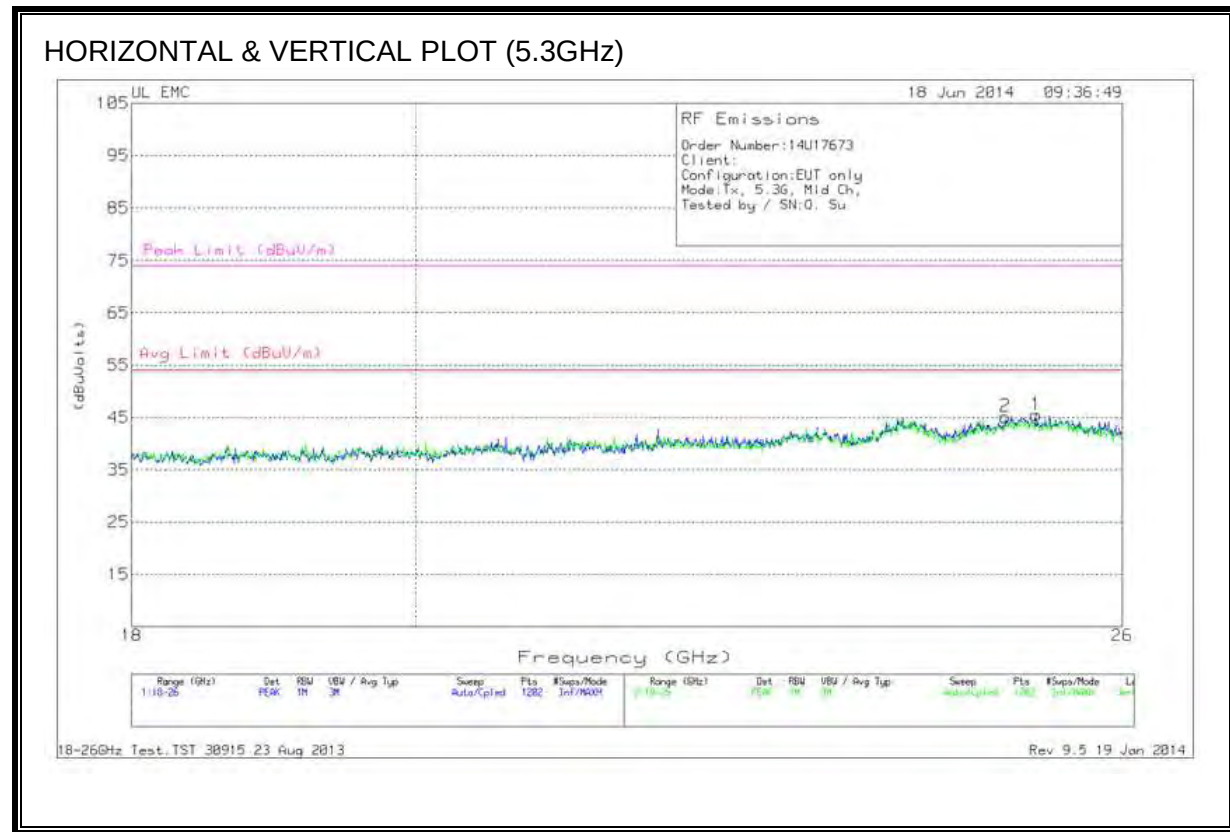
HORIZONTAL & VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T89 (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	25.354	44.4	PK	34	-22.9	-9.5	46	54	-8	74	-28
2	24.921	43.7	PK	34	-22.7	-9.5	45.5	54	-8.5	74	-28.5

PK - Peak detector

18-26GHz Test.TST 30915 23 Aug 2013 Rev 9.5 19 Jan 2014

SPURIOUS EMISSIONS 18000 TO 26000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL & VERTICAL)



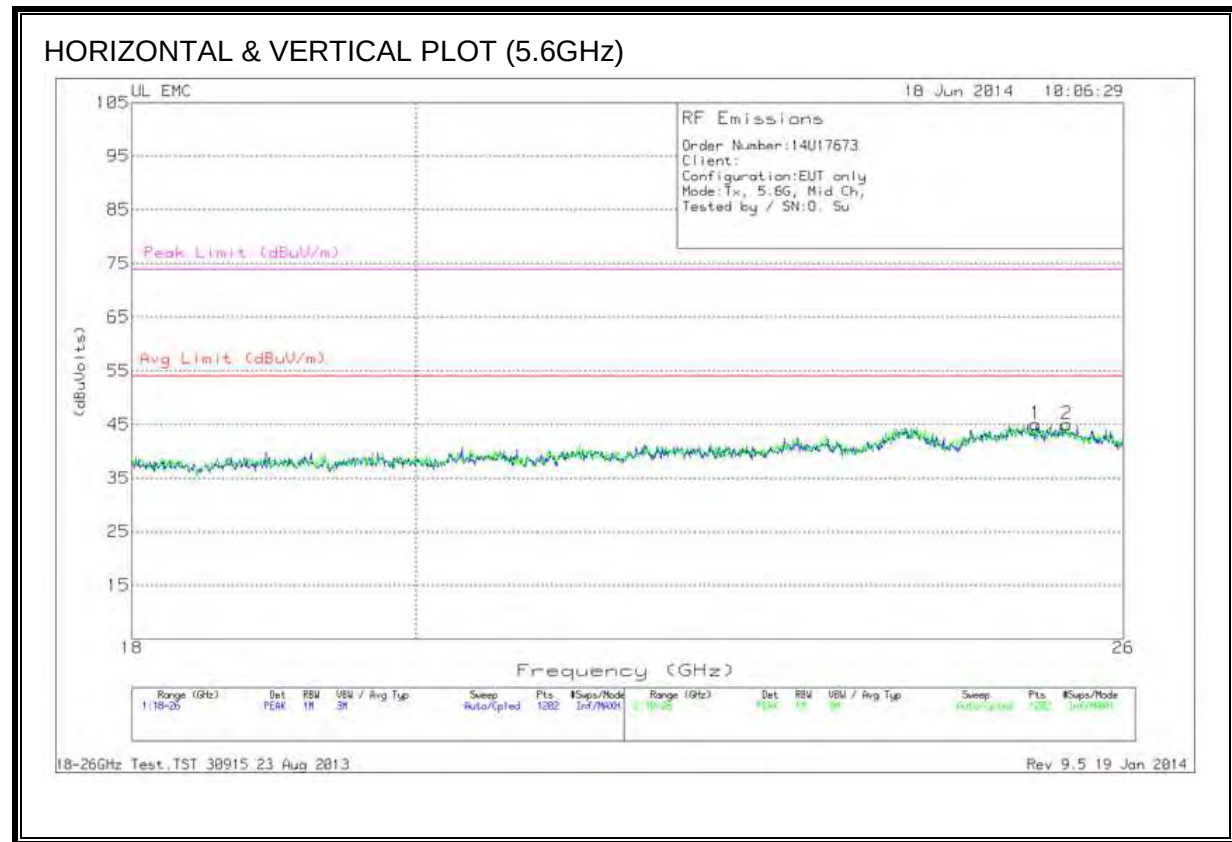
HORIZONTAL & VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T89 (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	25.181	44	PK	33.9	-22.9	-9.5	45.5	54	-8.5	74	-28.5
2	24.894	43.27	PK	34	-22.6	-9.5	45.2	54	-8.8	74	-28.8

PK - Peak detector

18-26GHz Test.TST 30915 23 Aug 2013 Rev 9.5 19 Jan 2014

SPURIOUS EMISSIONS 18000 TO 26000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL & VERTICAL)



HORIZONTAL & VERTICAL DATA

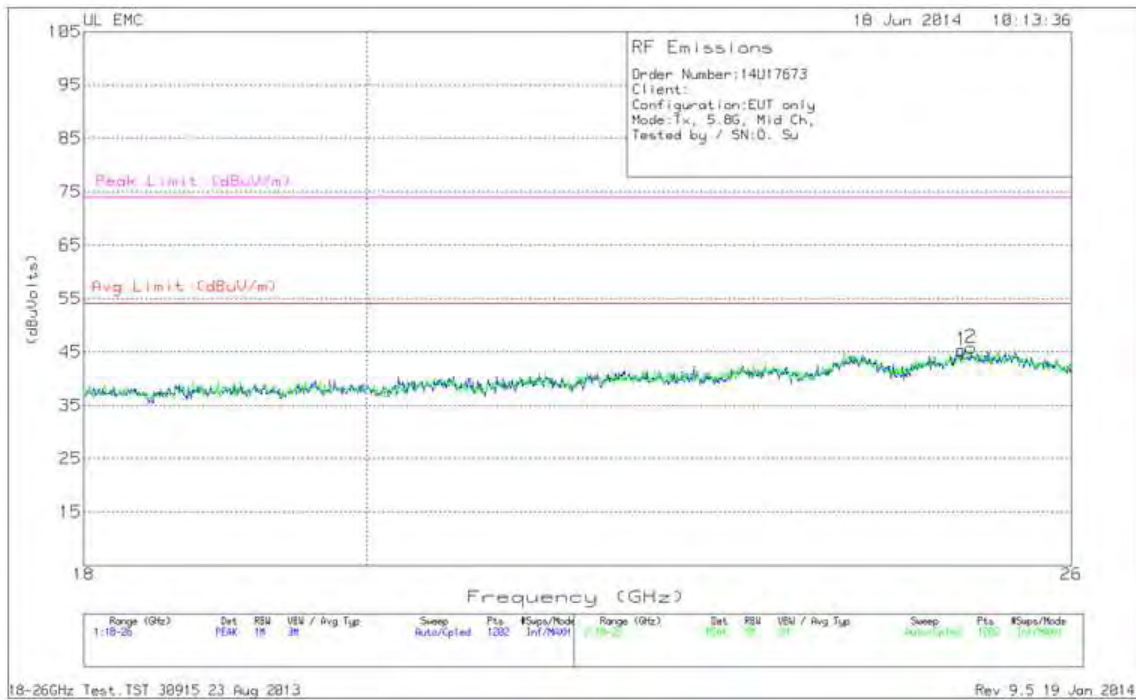
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T89 (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	25.167	43.5	PK	33.9	-22.9	-9.5	45	54	-9	74	-29
2	25.46	42.9	PK	34.1	-22.5	-9.5	45	54	-9	74	-29

PK - Peak detector

18-26GHz Test.TST 30915 23 Aug 2013 Rev 9.5 19 Jan 2014

SPURIOUS EMISSIONS 18000 TO 26000 MHz (WORST-CASE CONFIGURATION, HORIZONTAL & VERTICAL)

HORIZONTAL & VERTICAL PLOT (5.8GHz)



HORIZONTAL & VERTICAL DATA

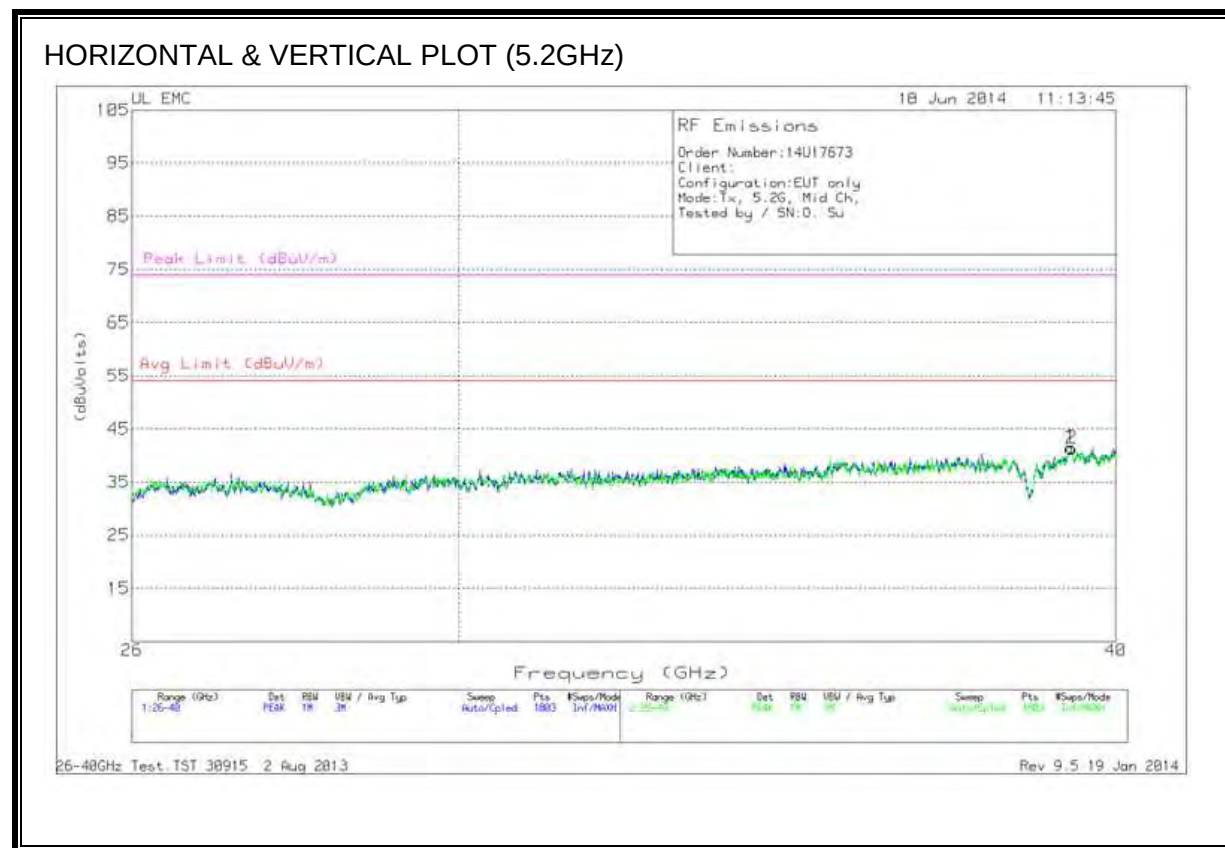
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	AF T89 (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	24.961	43.63	PK	34	-22.8	-9.5	45.33	54	-8.67	74	-28.67
2	25.047	43.93	PK	34	-22.6	-9.5	45.83	54	-8.17	74	-28.17

PK - Peak detector

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10.5. WORST-CASE 26 to 40 GHz

SPURIOUS EMISSIONS 26 TO 40 GHz (WORST-CASE CONFIGURATION, HORIZONTAL & VERTICAL)



HORIZONTAL & VERTICAL DATA

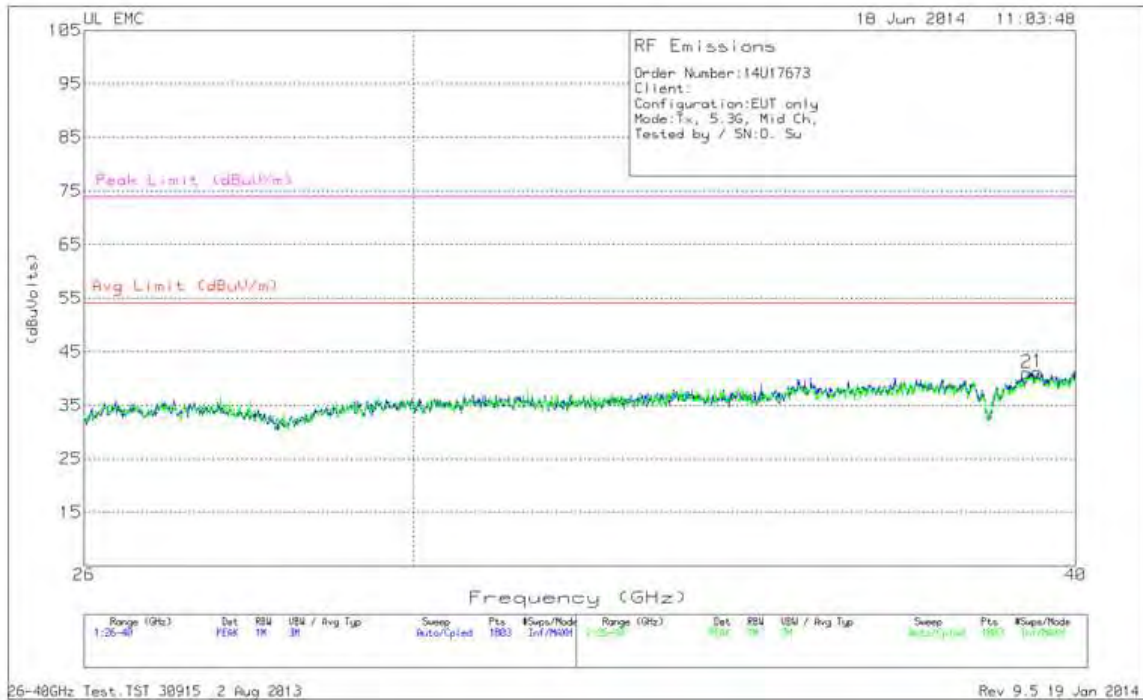
Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T90 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	39.223	48.5	PK	38.5	-36	-9.5	41.5	54	-12.5	74	-32.5
2	39.239	48.53	PK	38.5	-36.2	-9.5	41.33	54	-12.67	74	-32.67

PK - Peak detector

26-40GHz Test.TST 30915 2 Aug 2013 Rev 9.5 19 Jan 2014

SPURIOUS EMISSIONS 26 TO 40 GHz (WORST-CASE CONFIGURATION, HORIZONTAL & VERTICAL)

HORIZONTAL & VERTICAL PLOT (5.3GHz)



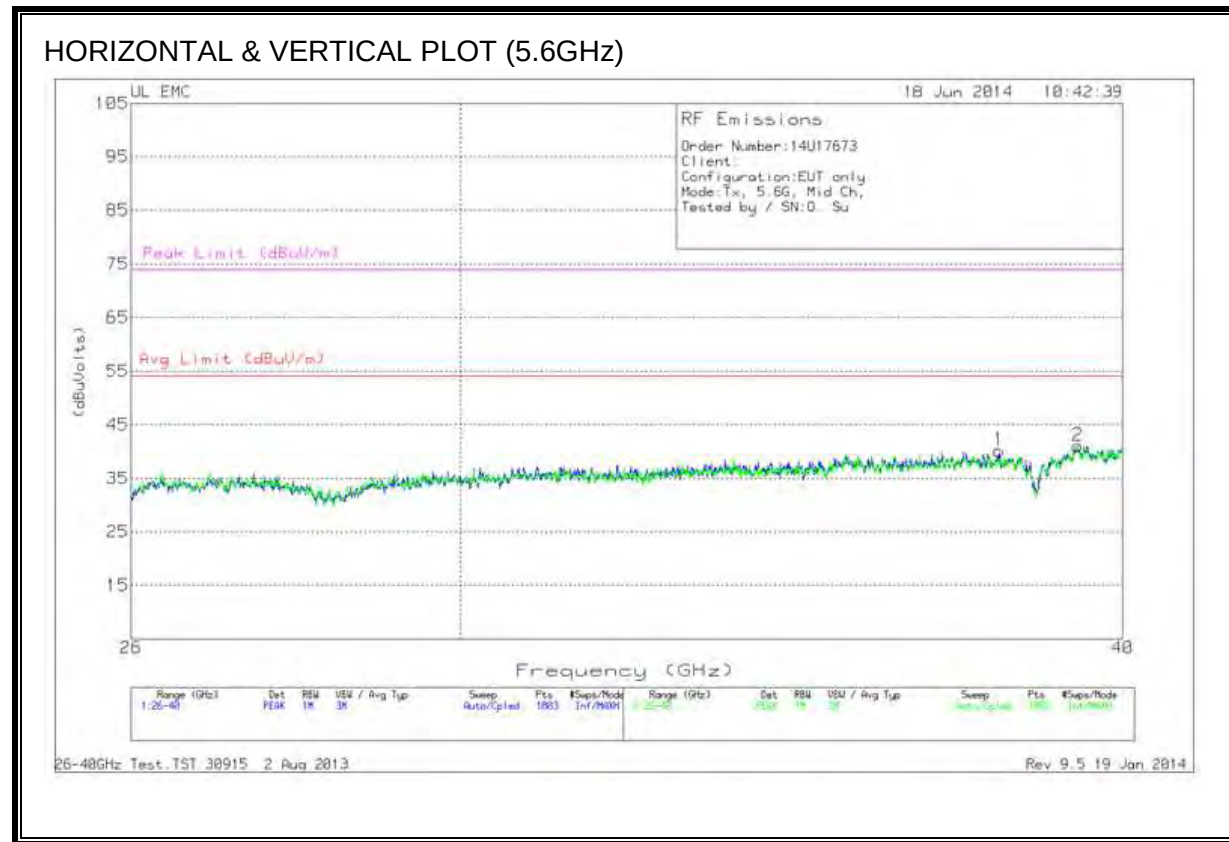
HORIZONTAL & VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T90 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	39.347	48.67	PK	38.1	-36.1	-9.5	41.17	54	-12.83	74	-32.83
2	39.161	49.1	PK	38.1	-36.7	-9.5	41	54	-13	74	-33

PK - Peak detector

26-40GHz Test.TST 30915 2 Aug 2013 Rev 9.5 19 Jan 2014

SPURIOUS EMISSIONS 26 TO 40 GHz (WORST-CASE CONFIGURATION, HORIZONTAL & VERTICAL)



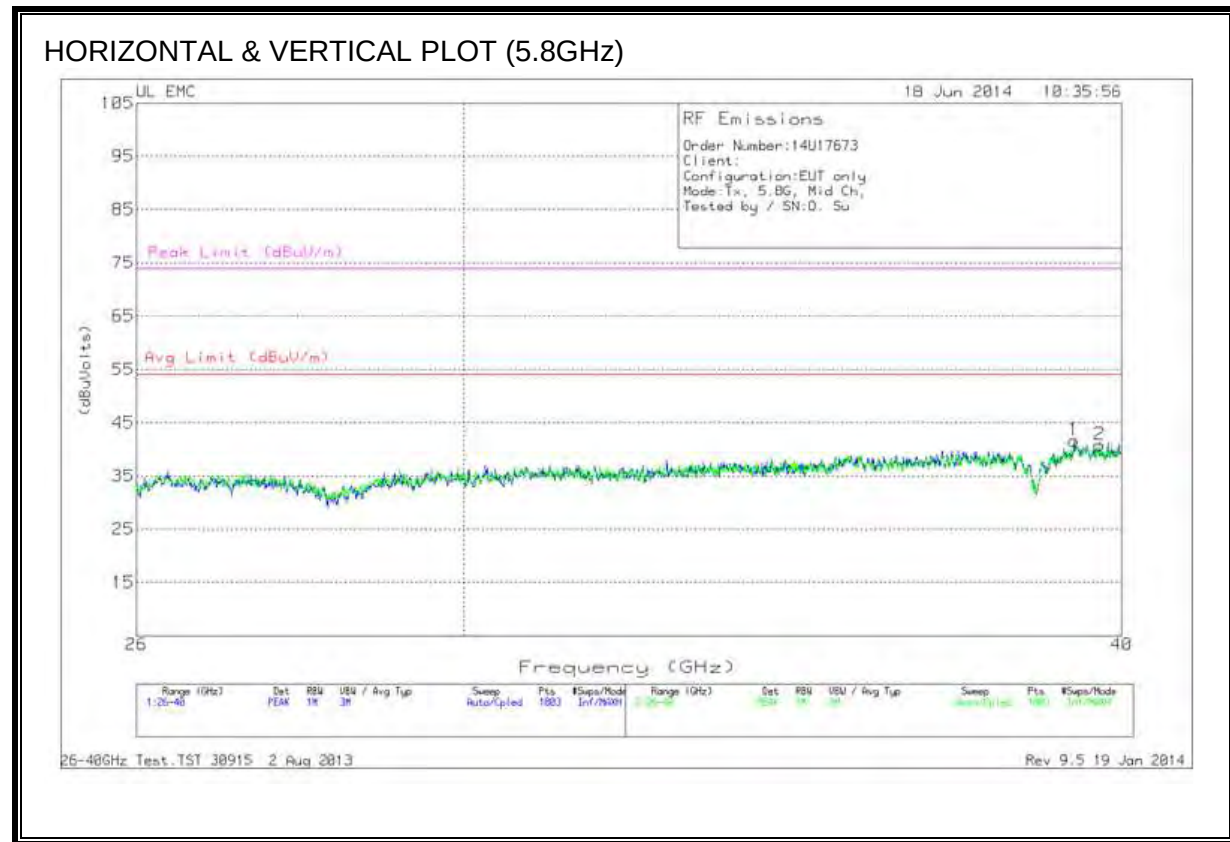
HORIZONTAL & VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T90 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	37.91	49.97	PK	37.2	-37.5	-9.5	40.17	54	-13.83	74	-33.83
2	39.231	48.2	PK	38.5	-36.2	-9.5	41	54	-13	74	-33

PK - Peak detector

26-40GHz Test.TST 30915 2 Aug 2013 Rev 9.5 19 Jan 2014

SPURIOUS EMISSIONS 26 TO 40 GHz (WORST-CASE CONFIGURATION, HORIZONTAL & VERTICAL)



HORIZONTAL & VERTICAL DATA

Marker	Frequency (GHz)	Meter Reading (dBuV)	Det	T90 AF (dB/m)	Amp/Cbl (dB)	Dist Corr (dB)	Corrected Reading (dBuVolts)	Avg Limit (dBuV/m)	Margin (dB)	Peak Limit (dBuV/m)	PK Margin (dB)
1	39.176	49.27	PK	38.2	-36.3	-9.5	41.67	54	-12.33	74	-32.33
2	39.619	48.73	PK	37.3	-35.7	-9.5	40.83	54	-13.17	74	-33.17

PK - Peak detector

26-40GHz Test.TST 30915 2 Aug 2013 Rev 9.5 19 Jan 2014

11. AC POWER LINE CONDUCTED EMISSIONS

LIMITS

FCC §15.207 (a)

Frequency of Emission (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15-0.5	66 to 56 [*]	56 to 46 [*]
0.5-5	56	46
5-30	60	50

^{*} Decreases with the logarithm of the frequency.

TEST PROCEDURE

The EUT is placed on a non-conducting table 40 cm from the vertical ground plane and 80 cm above the horizontal ground plane. The EUT is configured in accordance with ANSI C63.4.

The receiver is set to a resolution bandwidth of 9 kHz. Peak detection is used unless otherwise noted as quasi-peak or average.

Line conducted data is recorded for both NEUTRAL and HOT lines.

RESULTS

WORST EMISSIONS

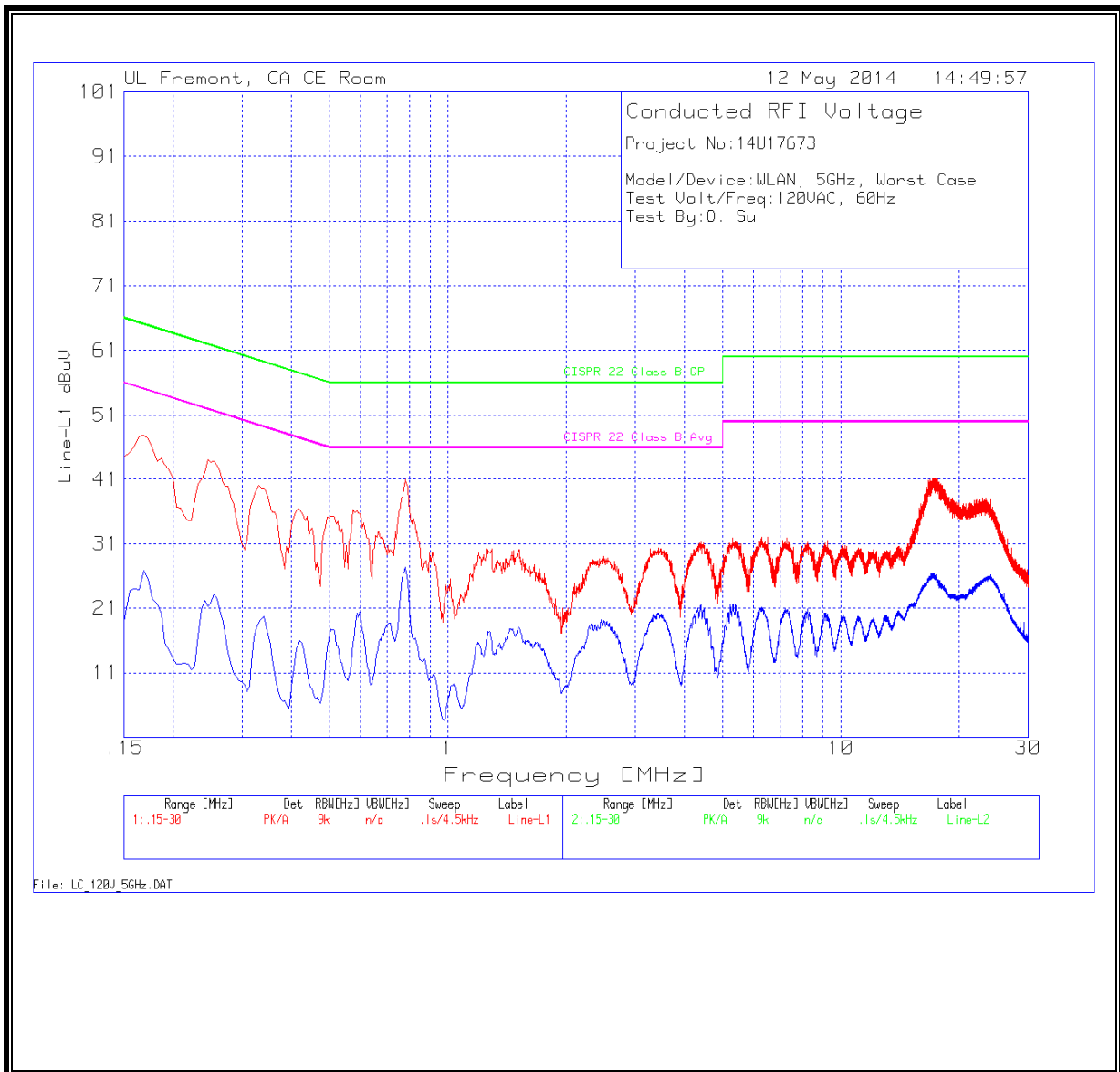
Line-L1 .15 - 30MHz

Trace Markers										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L1 (dB)	LC Cables 1&3 (dB)	Corrected Reading dBuV	CISPR 22 Class B QP	Margin to Limit (dB)	CISPR 22 Class B Avg	Margin to Limit (dB)
1	.168	46.74	PK	1.2	0	47.94	65.1	-17.16	-	-
2	.168	25.67	Av	1.2	0	26.87	-	-	55.1	-28.23
3	.78	40.59	PK	.3	0	40.89	56	-15.11	-	-
4	.78	27.1	Av	.3	0	27.4	-	-	46	-18.6
5	17.1735	40.76	PK	.3	.2	41.26	60	-18.74	-	-
6	17.1735	25.72	Av	.3	.2	26.22	-	-	50	-23.78

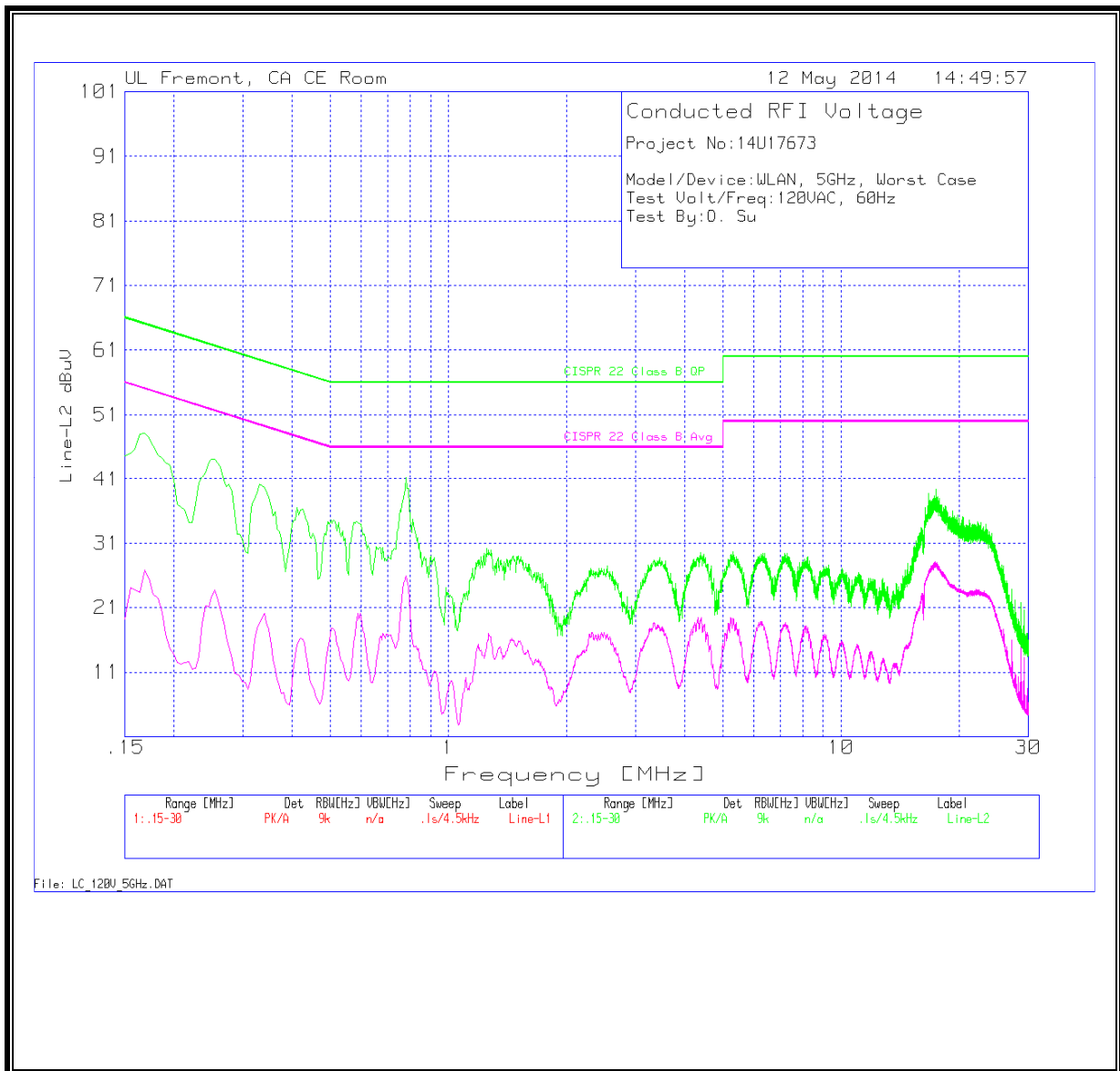
Line-L2 .15 - 30MHz

Trace Markers										
Marker	Frequency (MHz)	Meter Reading (dBuV)	Det	T24 IL L2 (dB)	LC Cables 2&3 (dB)	Corrected Reading dBuV	CISPR 22 Class B QP	Margin to Limit (dB)	CISPR 22 Class B Avg	Margin to Limit (dB)
7	.168	46.79	PK	1.3	0	48.09	65.1	-17.01	-	-
8	.168	25.51	Av	1.3	0	26.81	-	-	55.1	-28.29
9	.78	40.82	PK	.3	0	41.12	56	-14.88	-	-
10	.78	25.67	Av	.3	0	25.97	-	-	46	-20.03
11	17.457	38.85	PK	.3	.2	39.35	60	-20.65	-	-
12	17.457	27.19	Av	.3	.2	27.69	-	-	50	-22.31

LINE 1 RESULTS



LINE 2 RESULTS



12. DYNAMIC FREQUENCY SELECTION

12.1. OVERVIEW

12.1.1. LIMITS

INDUSTRY CANADA

IC RSS-210 is closely harmonized with FCC Part 15 DFS rules. The deviations are as follows:

RSS-210 Issue 7 A9.4 (b) (ii) **Channel Availability Check Time:** ...

FCC

§15.407 (h) and KDB 905462 D02 "COMPLIANCE MEASUREMENT PROCEDURES FOR UNLICENSED-NATIONAL INFORMATION INFRASTRUCTURE DEVCIES OPERATING IN THE 5250-5350 MHz AND 5470-5725 MHz BANDS INCORPORATING DYNAMIC FREQUENCY SELECTION" and KDB 905462 D03 "U-NII CLIENT DEVICES WITHOUT RADAR DETECTION CAPABILITY".

Table 1: Applicability of DFS requirements prior to use of a channel

Requirement	Operational Mode		
	Master	Client (without radar detection)	Client (with radar detection)
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
Uniform Spreading	Yes	Not required	Not required

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode		
	Master	Client (without DFS)	Client (with DFS)
DFS Detection Threshold	Yes	Not required	Yes
Channel Closing Transmission Time	Yes	Yes	Yes
Channel Move Time	Yes	Yes	Yes

Table 3: Interference Threshold values, Master or Client incorporating In-Service Monitoring

Maximum Transmit Power	Value (see note)
≥ 200 milliwatt	-64 dBm
< 200 milliwatt	-62 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.	

Table 4: DFS Response requirement values

Parameter	Value
<i>Non-occupancy period</i>	30 minutes
<i>Channel Availability Check Time</i>	60 seconds
<i>Channel Move Time</i>	10 seconds
<i>Channel Closing Transmission Time</i>	200 milliseconds + approx. 60 milliseconds over remaining 10 second period
The instant that the <i>Channel Move Time</i> and the <i>Channel Closing Transmission Time</i> begins is as follows: For the Short pulse radar Test Signals this instant is the end of the <i>Burst</i>. For the Frequency Hopping radar Test Signal, this instant is the end of the last radar burst generated. For the Long Pulse radar Test Signal this instant is the end of the 12-second period defining the radar transmission. The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate channel changes (an aggregate of approximately 60 milliseconds) during the remainder of the 10-second period. The aggregate duration of control signals will not count quiet periods in between transmissions.	

Table 5 – Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (Microseconds)	PRI (Microseconds)	Pulses	Minimum Percentage of Successful Detection	Minimum Trials
0	1	1428	18	See Note 1	See Note 1
1	1	Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a (of KDB 905462 D02) Test B: 15 unique PRI values randomly selected within the range of 518-3066 μ sec, with a minimum increment of 1 μ sec, excluding PRI values selected in Test A		60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.					

Table 6 – Long Pulse Radar Test Signal

Radar Waveform	Bursts	Pulses per Burst	Pulse Width (μsec)	Chirp Width (MHz)	PRI (μsec)	Minimum Percentage of Successful Detection	Minimum Trials
5	8-20	1-3	50-100	5-20	1000-2000	80%	30

Table 7 – Frequency Hopping Radar Test Signal

Radar Waveform	Pulse Width (μsec)	PRI (μsec)	Burst Length (ms)	Pulses per Hop	Hopping Rate (kHz)	Minimum Percentage of Successful Detection	Minimum Trials
6	1	333	300	9	.333	70%	30

SYSTEM OVERVIEW

The short pulse and long pulse signal generating system utilizes the NTIA software. The Vector Signal Generator has been validated by the NTIA. The hopping signal generating system utilizes the UL simulated hopping method and system, which has been validated by the DoD, FCC and NTIA. The software selects waveform parameters from within the bounds of the signal type on a random basis using uniform distribution.

The short pulse types 2, 3 and 4, and the long pulse type 5 parameters are randomized at run-time.

The hopping type 6 pulse parameters are fixed while the hopping sequence is based on the August 2005 NTIA Hopping Frequency List. The initial starting point randomized at run-time and each subsequent starting point is incremented by 475. Each frequency in the 100-length segment is compared to the boundaries of the EUT Detection Bandwidth and the software creates a hopping burst pattern in accordance with Section 7.4.1.3 Method #2 Simulated Frequency Hopping Radar Waveform Generating Subsystem of KDB 905462 D02. The frequency of the signal generator is incremented in 1 MHz steps from F_L to F_H for each successive trial. This incremental sequence is repeated as required to generate a minimum of 30 total trials and to maintain a uniform frequency distribution over the entire Detection Bandwidth.

The signal monitoring equipment consists of a spectrum analyzer. The aggregate ON time is calculated by multiplying the number of bins above a threshold during a particular observation period by the dwell time per bin, with the analyzer set to peak detection and max hold.

SYSTEM CALIBRATION

A 50-ohm load is connected in place of the spectrum analyzer, and the spectrum analyzer is connected to a horn antenna via a coaxial cable, with the reference level offset set to (horn antenna gain – coaxial cable loss). The signal generator is set to CW mode. The amplitude of the signal generator is adjusted to yield a level of –64 dBm as measured on the spectrum analyzer.

Without changing any of the instrument settings, the spectrum analyzer is reconnected to the Common port of the Spectrum Analyzer Combiner/Divider. The Reference Level Offset of the spectrum analyzer is adjusted so that the displayed amplitude of the signal is –64 dBm.

The spectrum analyzer displays the level of the signal generator as received at the antenna ports of the Master Device. The interference detection threshold may be varied from the calibrated value of –64 dBm and the spectrum analyzer will still indicate the level as received by the Master Device.

ADJUSTMENT OF DISPLAYED TRAFFIC LEVEL

A link is established between the Master and Slave and the distance between the units is adjusted as needed to provide a suitable received level at the Master and Slave devices. The video test file is streamed to generate WLAN traffic. The monitoring antenna is adjusted so that the WLAN traffic level, as displayed on the spectrum analyzer, is at lower amplitude than the radar detection threshold.

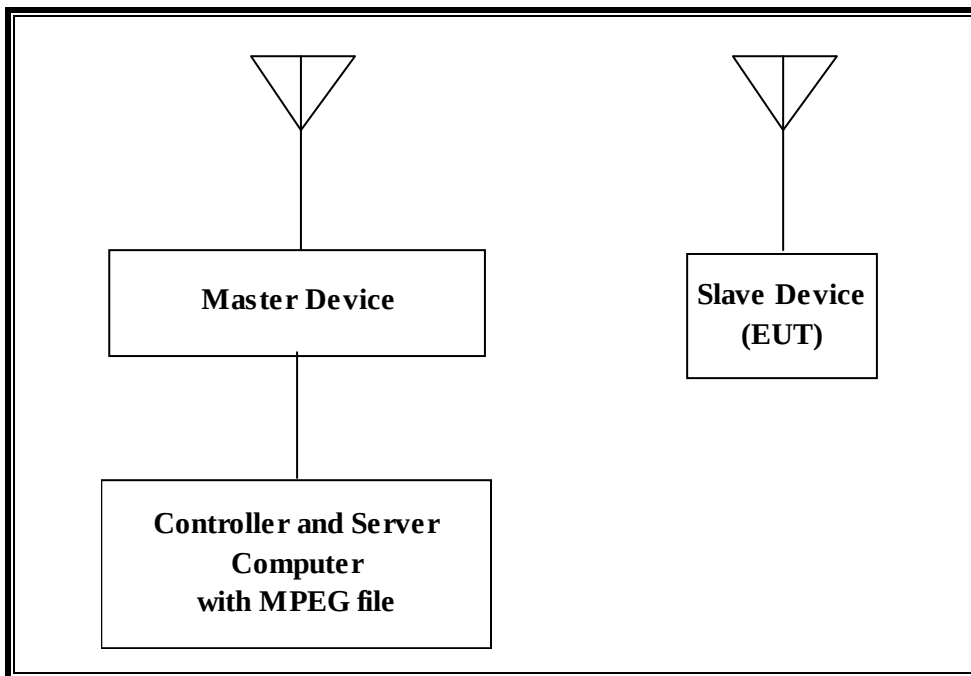
TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the DFS tests documented in this report:

TEST EQUIPMENT LIST				
Description	Manufacturer	Model	Asset Number	Cal Due
Spectrum Analyzer, 26.5 GHz	Agilent / HP	E4440A	C01178	09/10/14
Vector Signal Generator, 20GHz	Agilent / HP	E8267C	C01066	09/12/14

12.1.3. SETUP OF EUT (CLIENT MODE)

RADIATED METHOD EUT TEST SETUP



SUPPORT EQUIPMENT

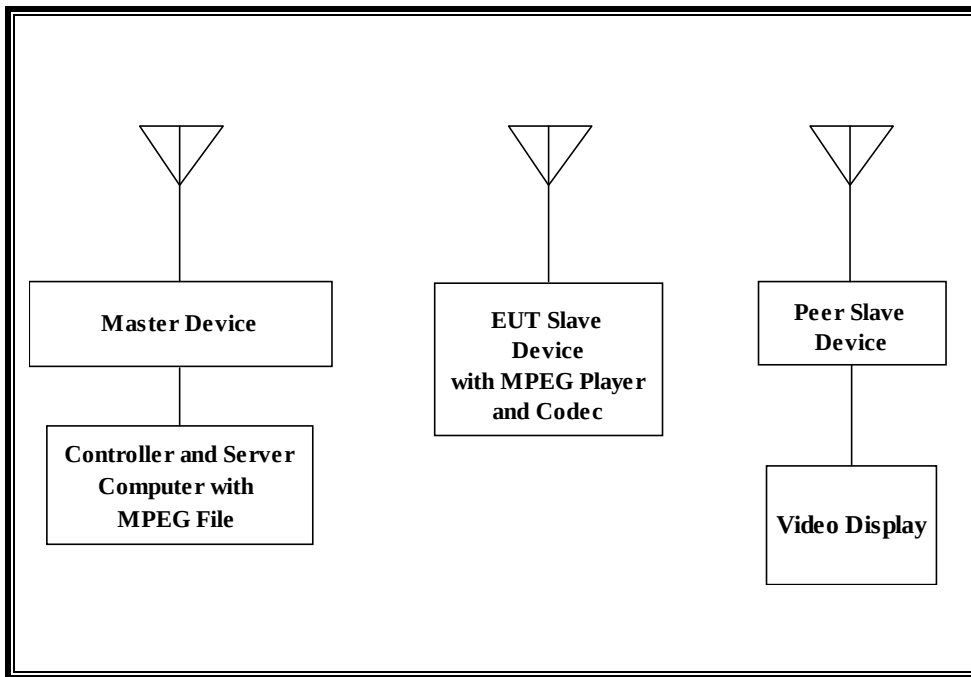
The following support equipment was utilized for the DFS tests documented in this report:
AP1 was used for 20 MHz and 40 MHz channel bandwidth testing.

AP2 was used for 80 MHz bandwidth testing.

PERIPHERAL SUPPORT EQUIPMENT LIST				
Description	Manufacturer	Model	Serial Number	FCC ID
802.11a/b/g/n Wireless Access Point (Master Device 1)	Cisco	AIR-AP1252AG-A-K9	FTX130390D9	LDK102061
AC Adapter (Master Device 1)	Delta Electronics	EADP-45BB B	DTH1049902N	DoC
802.11a/b/g/n/ac Wireless Access Point 2 (Master Device 2)	Apple	A1470	C86KXE50F9H6	BCGA1470
Notebook PC (Controller/Server)	Apple	MacBook A1181	W865101LWGK	DoC
AC Adapter (Controller/Server PC)	Delta Electronics	A1244	MV01000FD9DYA	DoC

12.1.4. SETUP OF EUT (CLIENT-TO-CLIENT COMMUNICATIONS MODE)

RADIATED METHOD EUT TEST SETUP



SUPPORT EQUIPMENT

The following support equipment was utilized for the DFS tests documented in this report:

PERIPHERAL SUPPORT EQUIPMENT LIST				
Description	Manufacturer	Model	Serial Number	FCC ID
802.11a/b/g/n/ac Wireless Access Point 2 (Master Device 2)	Apple	A1470	C86KXE50F9H6	BCGA1470
Notebook PC (Controller/Server)	Apple	MacBook A1181	W865101LWGK	DoC
Notebook PC (Controller/Server)	Apple	MacBook A1181	W865101LWGK	DoC
AC Adapter (Controller/Server PC)	Delta Electronics	A1244	MV01000FD9DYA	DoC
Apple TV (Peer Slave Device)	Apple	A1469	C07K202CFFF1	BCGA1469
Video Display	Dell	U2410f	CN-0FJ525N-72872-1B5-AGAL	DoC

12.1.5. DESCRIPTION OF EUT

The EUT operates over the 5250-5350 MHz and 5470-5725 MHz ranges.

The EUT is a Slave Device without Radar Detection.

The highest power level within these bands is 12.89 dBm EIRP in the 5250-5350 MHz band and 13.49 dBm EIRP in the 5470-5725 MHz band.

The only antenna assembly utilized with the EUT has a gain of -5.83 dBi in the 5250-5350 MHz band and -4.25 dBi in the 5470-5725 MHz band.

The rated output power of the Master unit is > 23dBm (EIRP). Therefore the required interference threshold level is -64 dBm. After correction for procedural adjustments, the required radiated threshold at the antenna port is $-64 + 1 = -63$ dBm.

The calibrated radiated DFS Detection Threshold level is set to -64 dBm. The tested level is lower than the required level hence it provides a margin to the limit.

The EUT uses one transmitter/receiver chain connected to an antenna to perform radiated tests.

WLAN traffic is generated by streaming the video file TestFile.mp2 "6 ½ Magic Hours" from the Master to the Slave in full motion video mode using Safari web browser.

TPC is not required since the maximum EIRP is less than 500 mW (27 dBm).

In standard Client Mode the EUT utilizes the 802.11ac architecture. Three nominal channel bandwidths are implemented: 20 MHz, 40 MHz and 80 MHz

In Client-to-Client Communications Mode the EUT utilizes the 802.11ac architecture between the EUT and the Master Device where three nominal channel bandwidths are implemented: 20 MHz, 40 MHz and 80 MHz. However, 802.11a/n architecture is utilized between the EUT and the Peer Slave Device in Client-to Client Communications Mode where only two nominal channel bandwidths are implemented: 20 MHz and 40 MHz. Therefore, pursuant to FCC KDB Publication 848637, "Client devices with 80 MHz BW mode can be tested with an approved master operating in 40 MHz BW mode". Therefore, 80MHz BW DFS testing was not performed and has been excluded from this report.

The software installed in the EUT is 12A299.

UNIFORM CHANNEL SPREADING

This requirement is not applicable to Slave radio devices.

OVERVIEW OF MASTER DEVICE 1 WITH RESPECT TO §15.407 (h) REQUIREMENTS

The Master Device is a Cisco Access Point, FCC ID: LDK102061. The minimum antenna gain for the Master Device is 3.5 dBi.

The rated output power of the Master unit is $> 23\text{dBm}$ (EIRP). Therefore the required interference threshold level is -64 dBm . After correction for procedural adjustments, the required radiated threshold at the antenna port is $-64 + 1 = -63\text{ dBm}$.

The calibrated radiated DFS Detection Threshold level is set to -64 dBm . The tested level is lower than the required level hence it provides a margin to the limit.

The software installed in the access point is 12.4(25d)JA1.

OVERVIEW OF MASTER DEVICE WITH RESPECT TO §15.407 (h) REQUIREMENTS

The Master Device is an Apple, Inc. Access Point, FCC ID: BCGA1470. The minimum antenna gain for the Master Device is 1.4 dBi.

The rated output power of the Master unit is $> 23\text{dBm}$ (EIRP). Therefore the required interference threshold level is -64 dBm . After correction for procedural adjustments, the required radiated threshold at the antenna port is $-64 + 1 = -63\text{ dBm}$.

The calibrated radiated DFS Detection Threshold level is set to -64 dBm . The tested level is lower than the required level hence it provides a margin to the limit.

The software installed in the access point is 7.7D3.

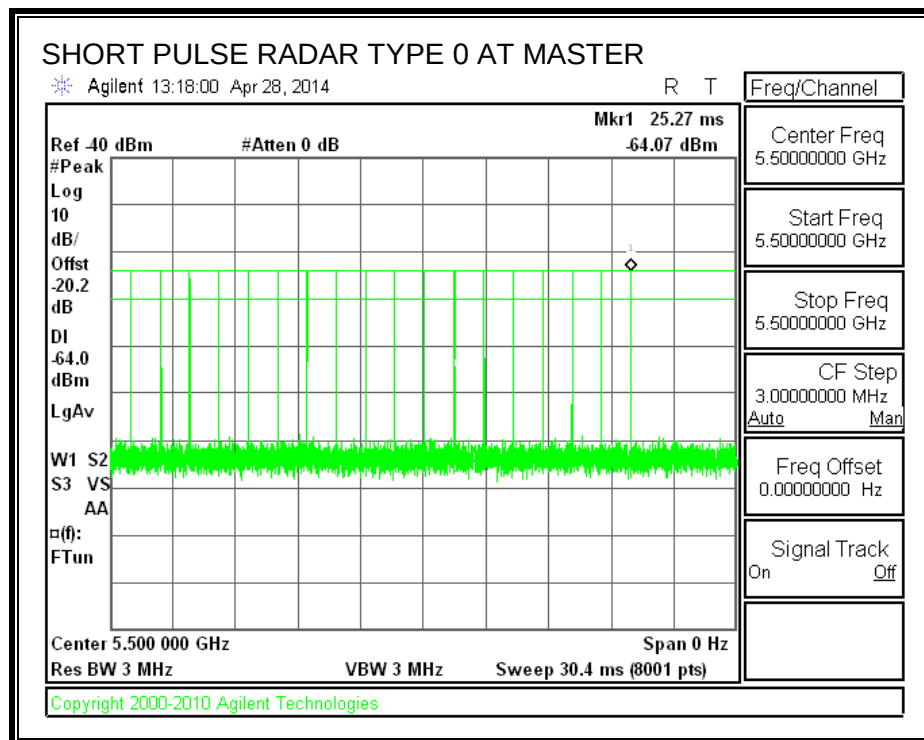
12.1. CLIENT MODE RESULTS FOR 20 MHz BANDWIDTH

12.1.1. TEST CHANNEL

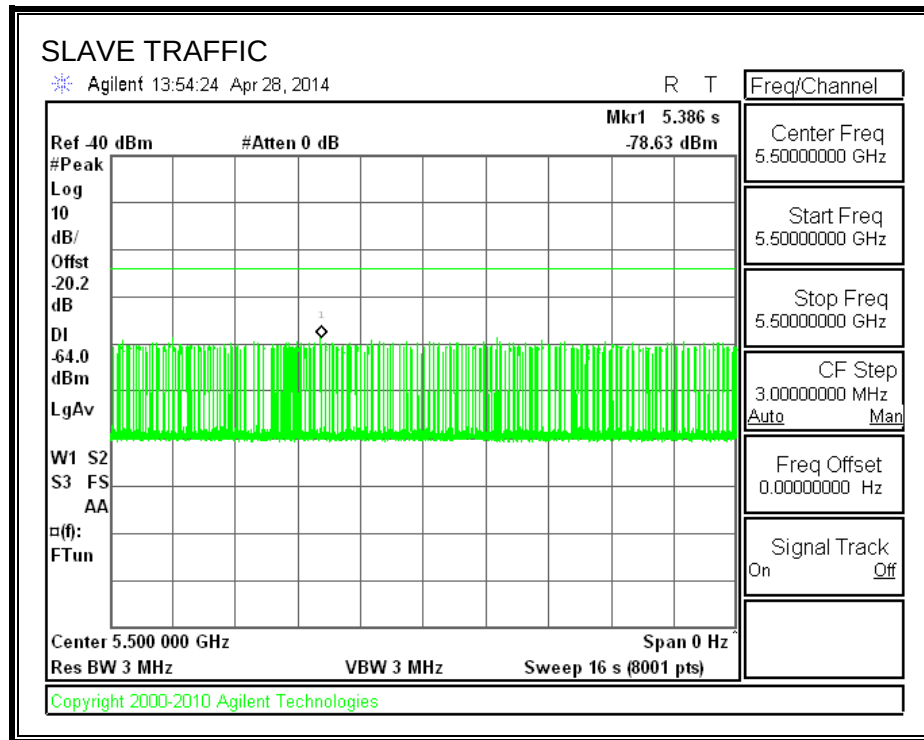
All tests were performed at a channel center frequency of 5500 MHz.

12.1.2. RADAR WAVEFORM AND TRAFFIC

RADAR WAVEFORM



TRAFFIC



12.1.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

12.1.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time =
(Number of analyzer bins showing transmission) * (dwell time per bin)

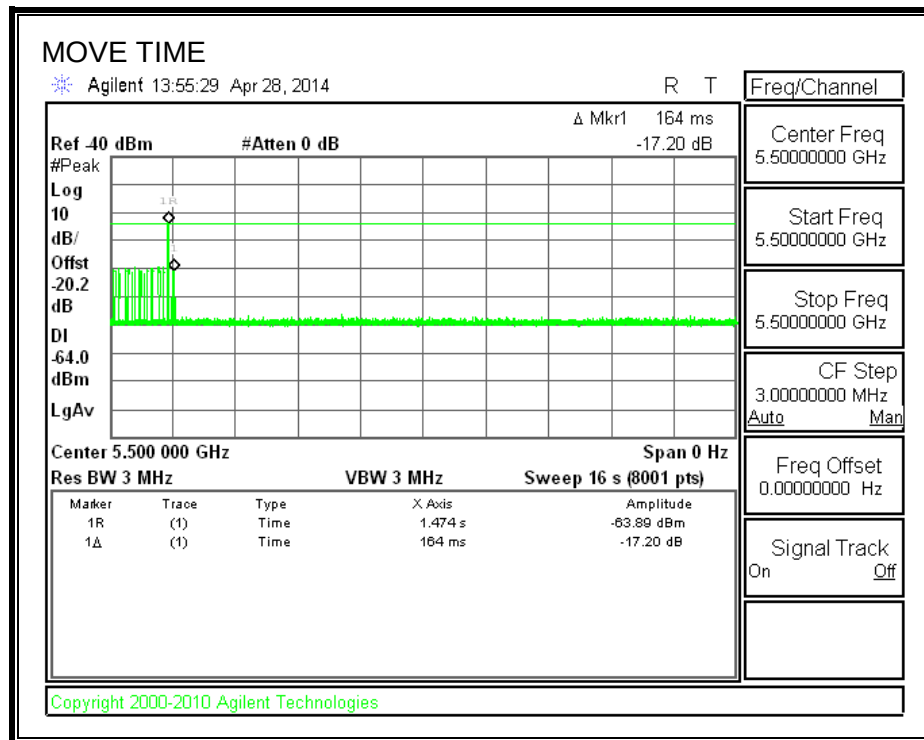
The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

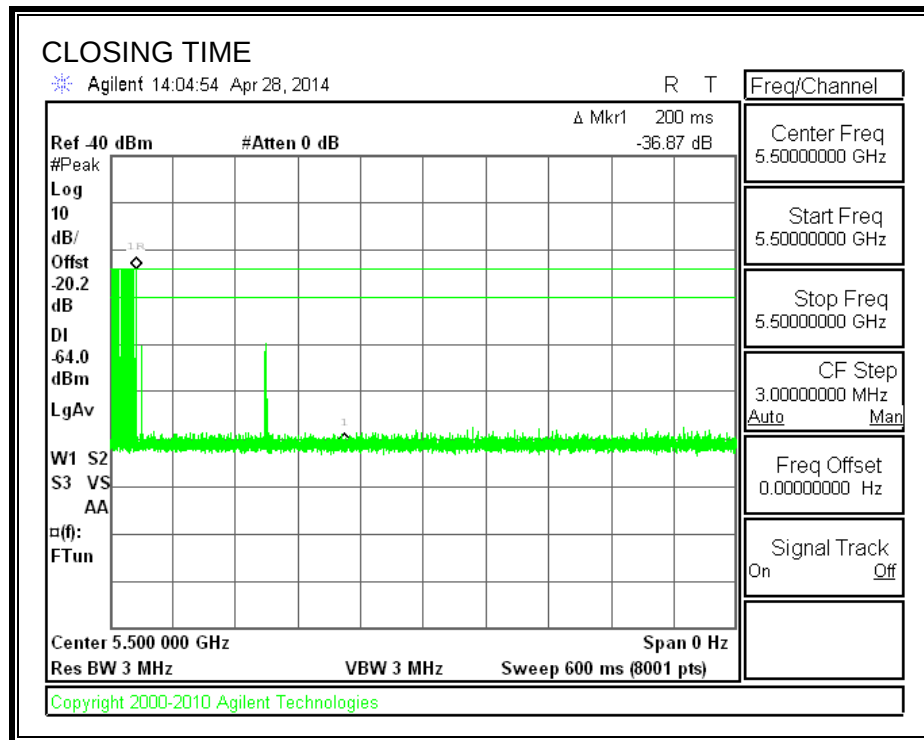
Channel Move Time (sec)	Limit (sec)
0.164	10

Aggregate Channel Closing Transmission Time (msec)	Limit (msec)
0.0	60

MOVE TIME

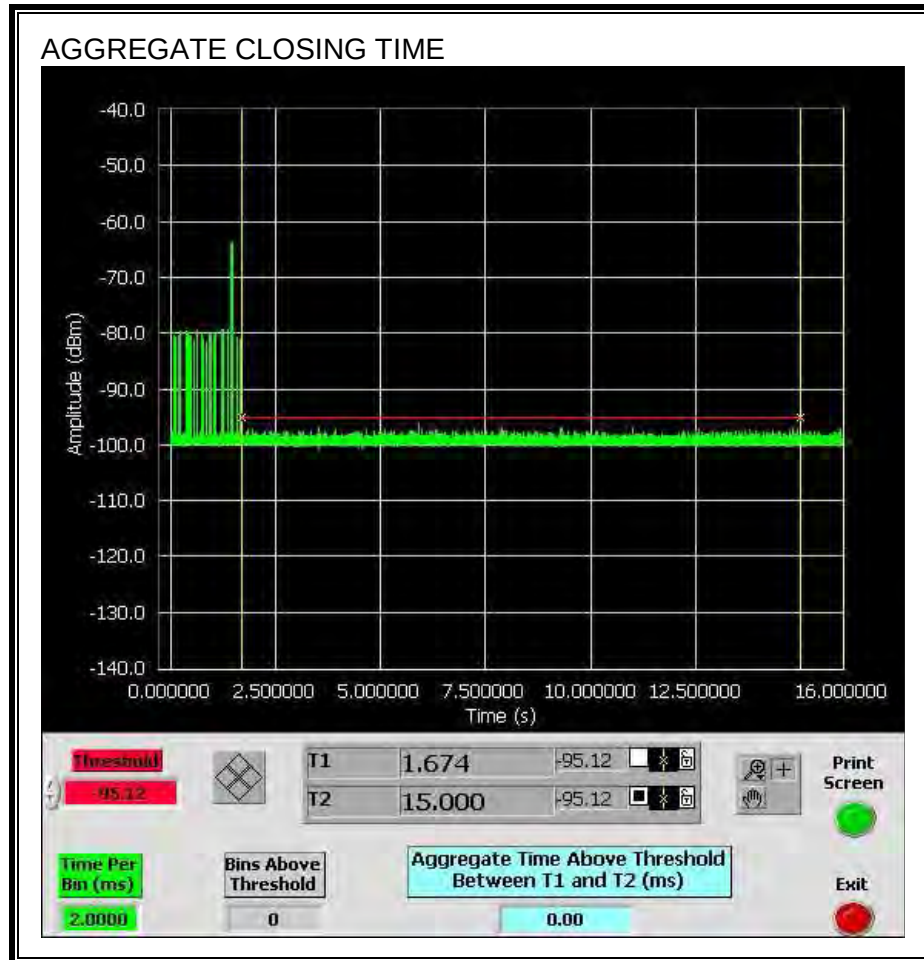


CHANNEL CLOSING TIME



AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

No transmissions are observed during the aggregate monitoring period.



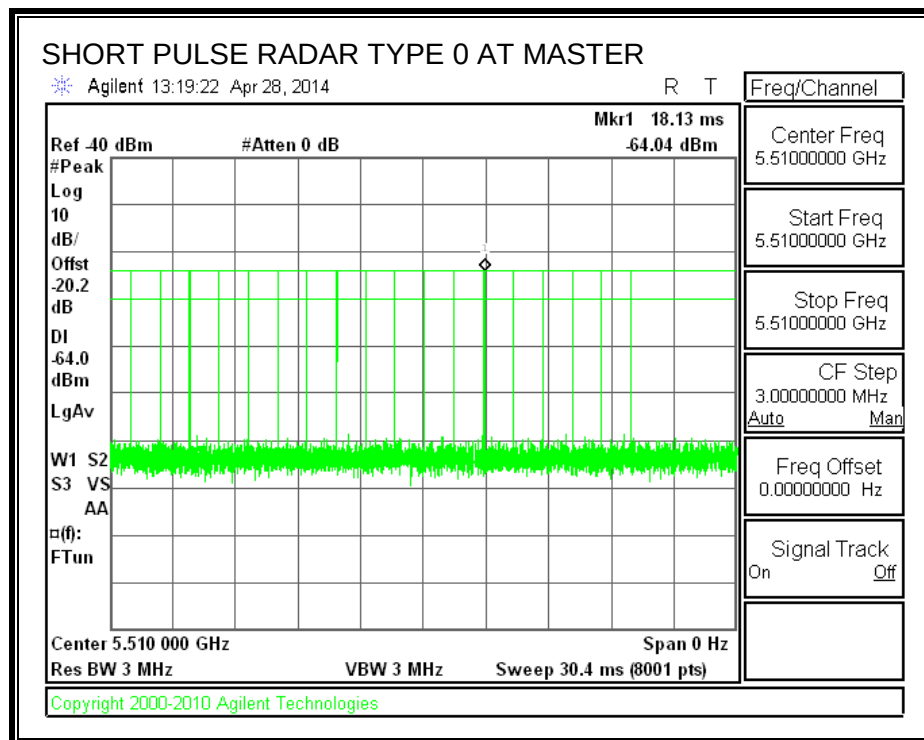
12.2. CLIENT MODE RESULTS FOR 40 MHz BANDWIDTH

12.2.1. TEST CHANNEL

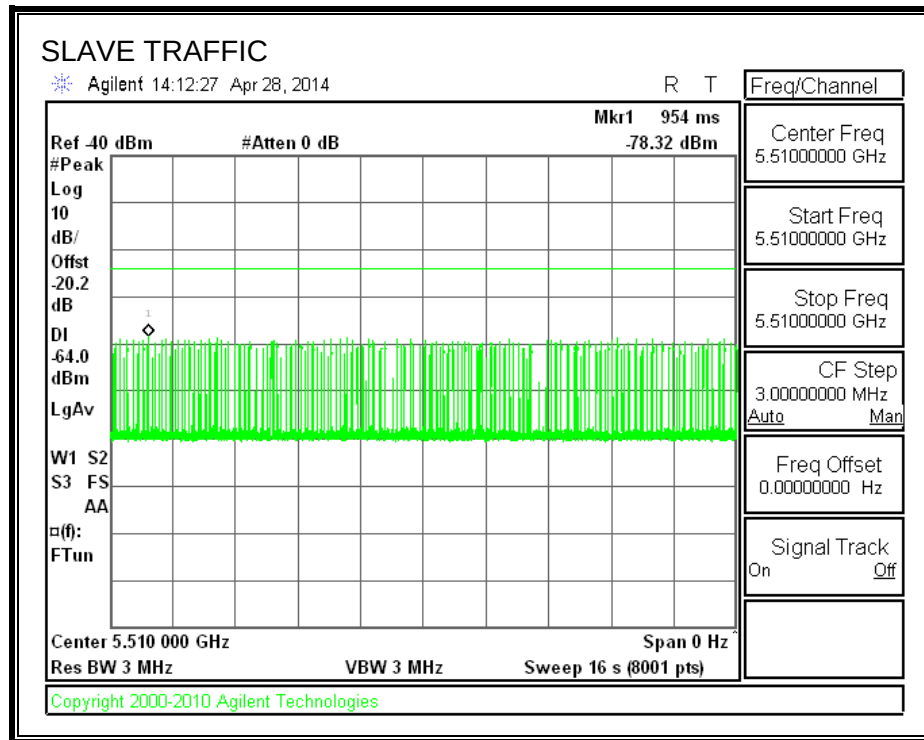
All tests were performed at a channel center frequency of 5510 MHz.

12.2.2. RADAR WAVEFORM AND TRAFFIC

RADAR WAVEFORM



TRAFFIC



12.2.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

12.2.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time =
(Number of analyzer bins showing transmission) * (dwell time per bin)

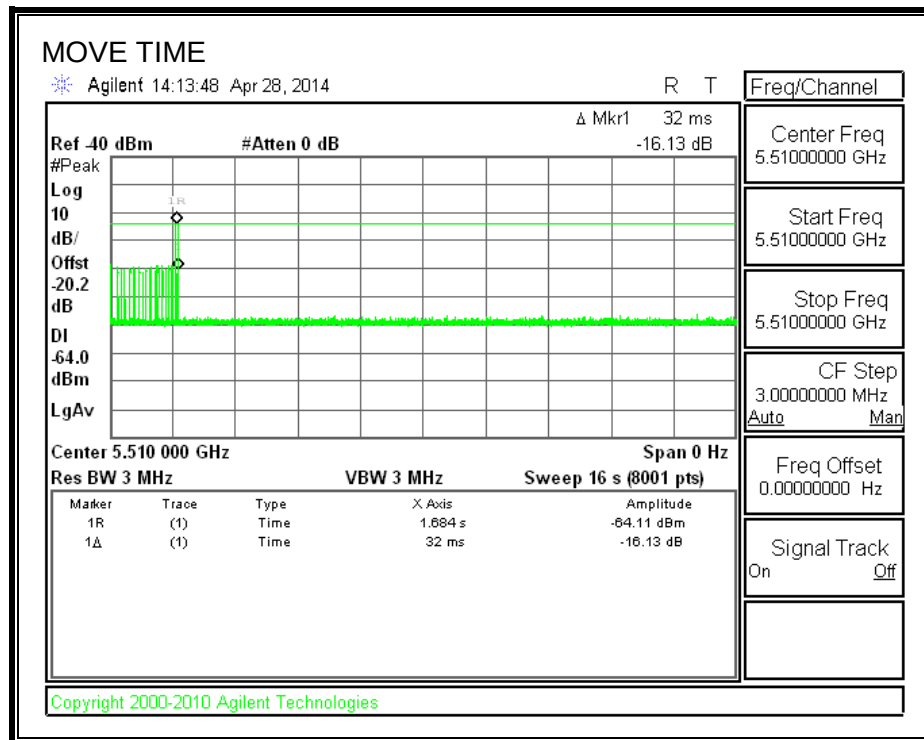
The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

RESULTS

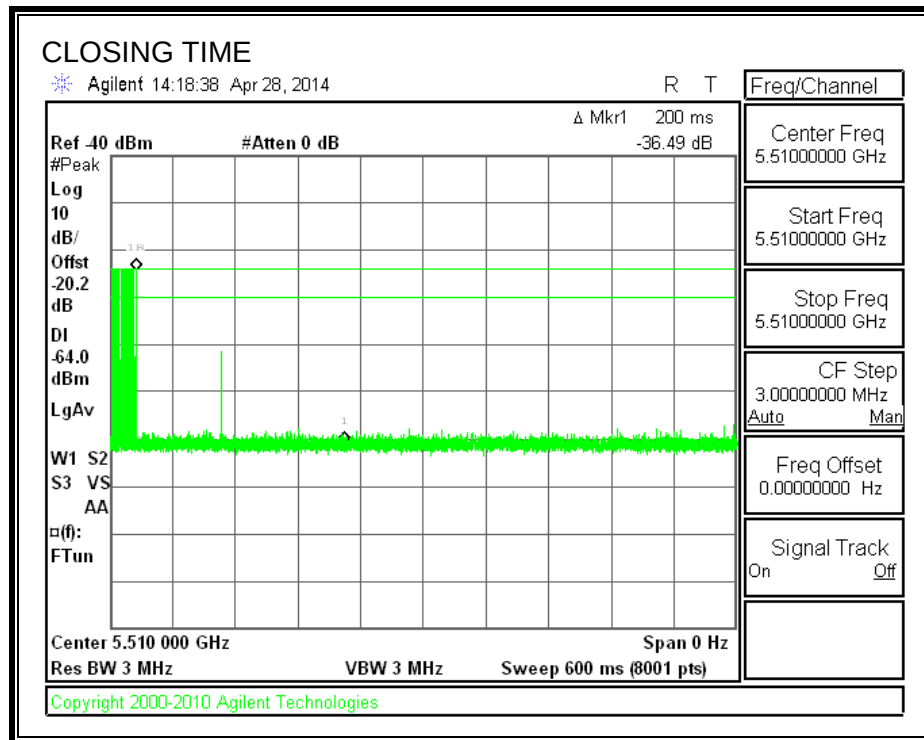
Channel Move Time (sec)	Limit (sec)
0.032	10

Aggregate Channel Closing Transmission Time (msec)	Limit (msec)
0.0	60

MOVE TIME

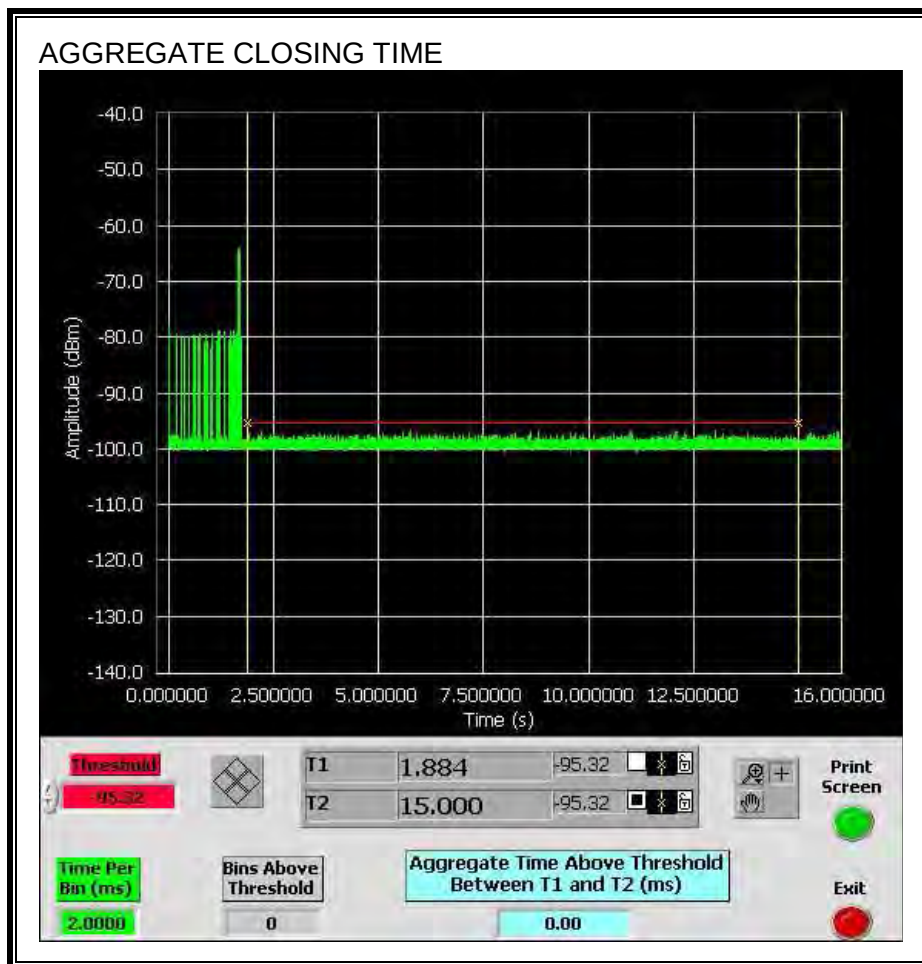


CHANNEL CLOSING TIME



AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

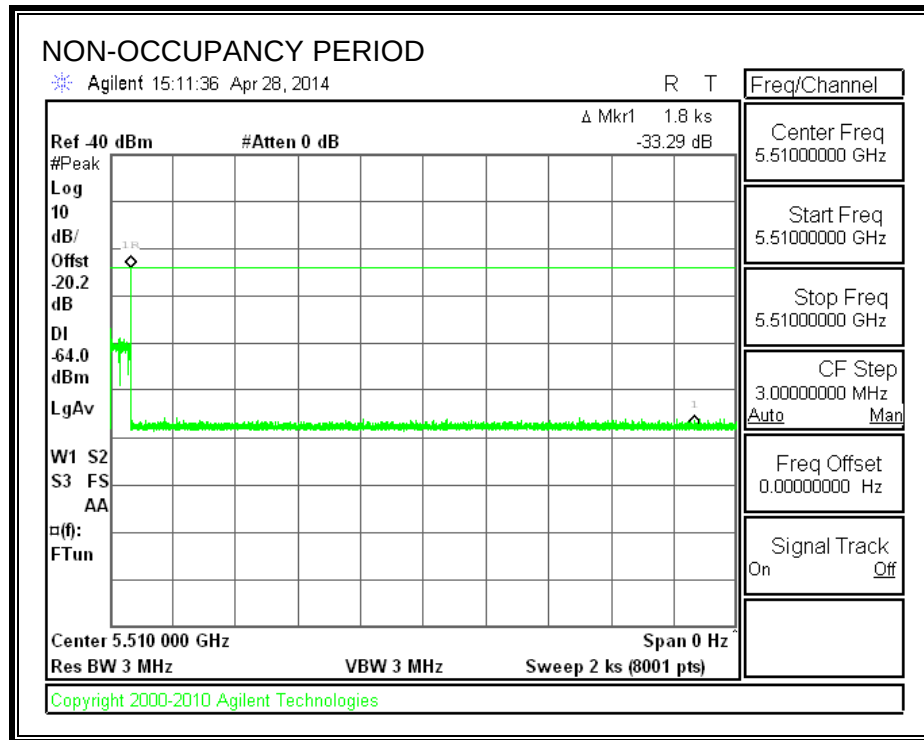
No transmissions are observed during the aggregate monitoring period.



12.2.5. NON-OCCUPANCY PERIOD

RESULTS

No EUT transmissions were observed on the test channel during the 30-minute observation time.



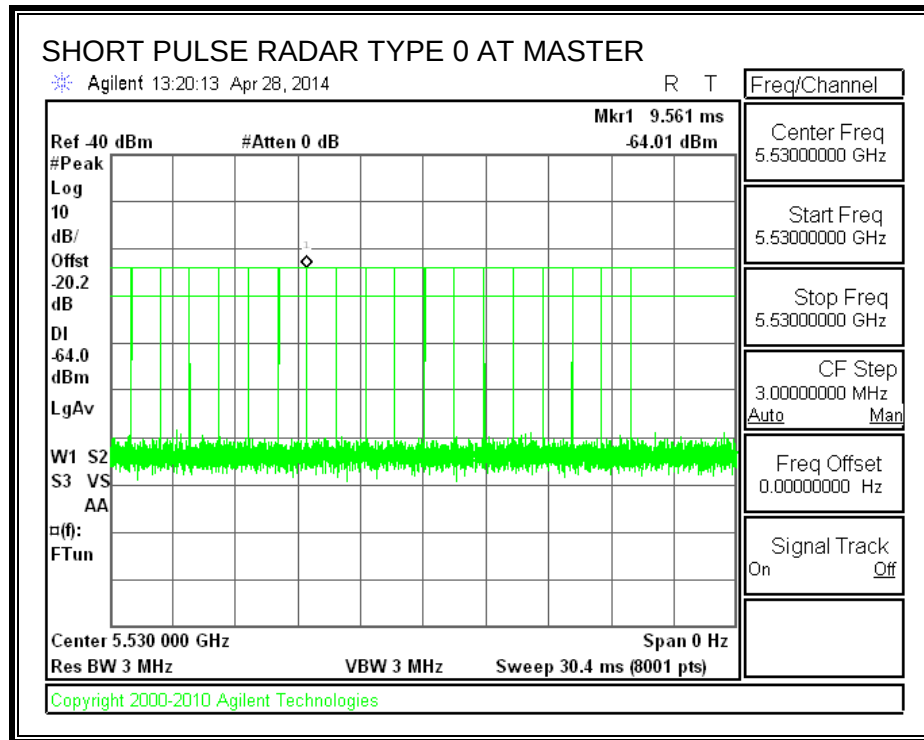
12.3. CLIENT MODE RESULTS FOR 80 MHz BANDWIDTH

12.3.1. TEST CHANNEL

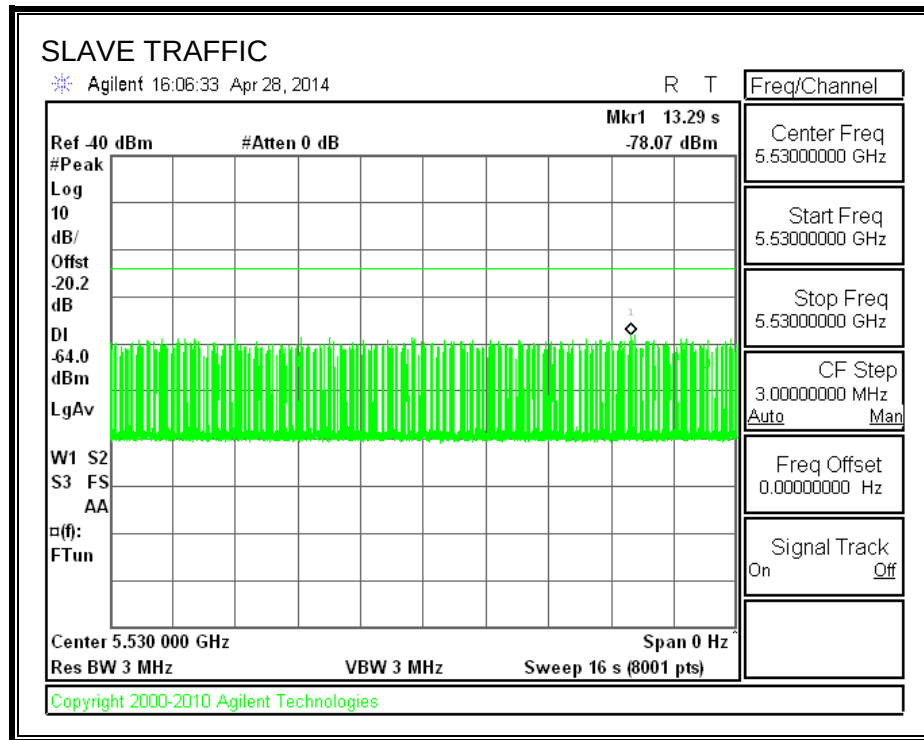
All tests were performed at a channel center frequency of 5530 MHz.

12.3.2. RADAR WAVEFORM AND TRAFFIC

RADAR WAVEFORM



TRAFFIC



12.3.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

12.3.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time =
(Number of analyzer bins showing transmission) * (dwell time per bin)

The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

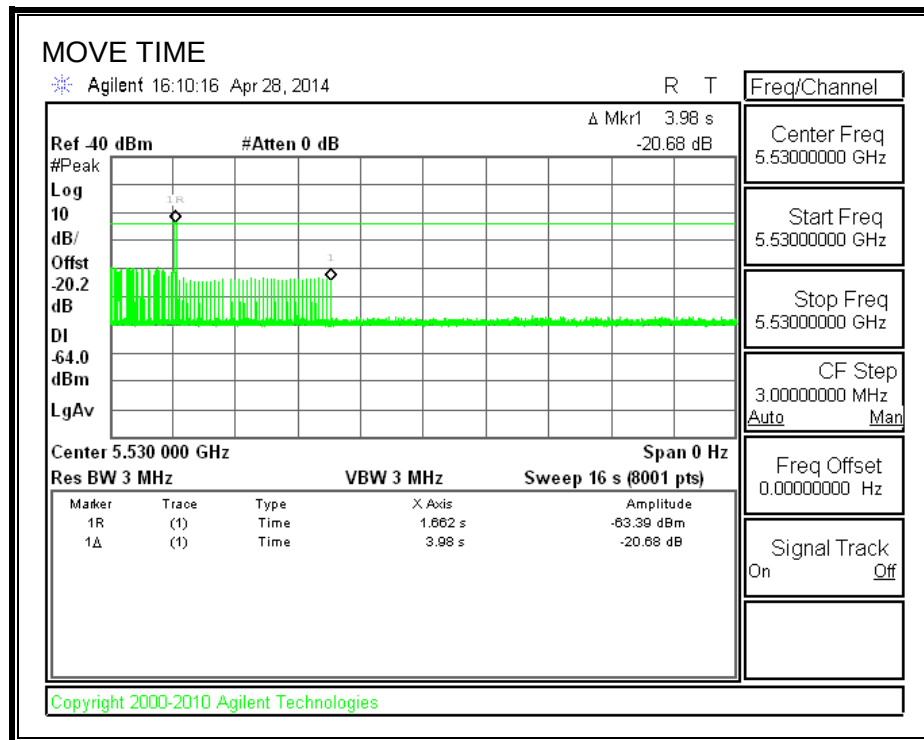
RESULTS

Channel Move Time (sec)	Limit (sec)
3.932	10

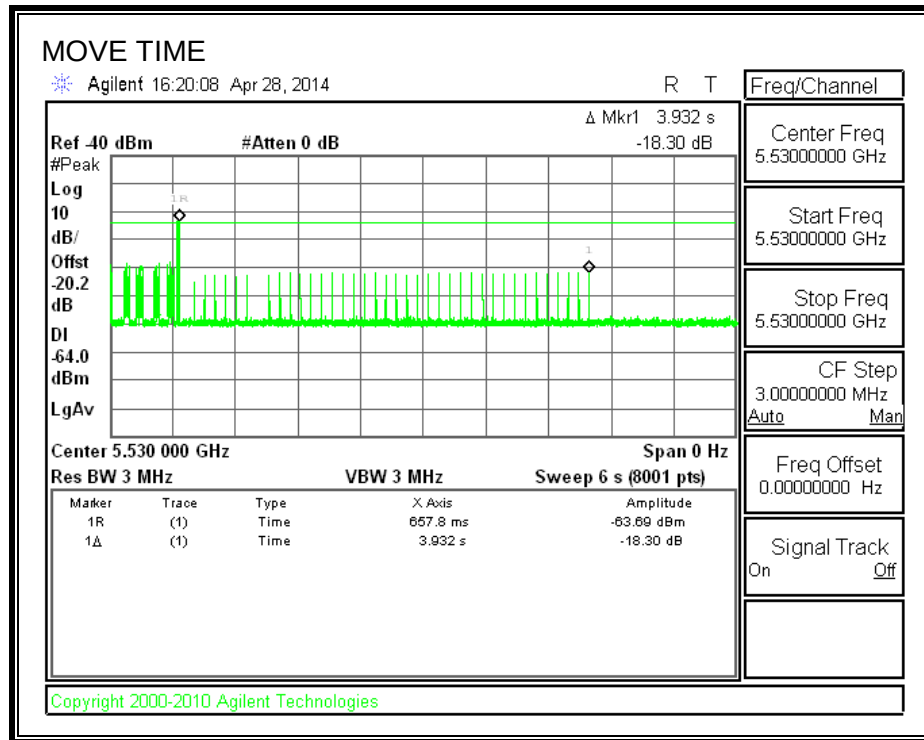
Aggregate Channel Closing Transmission Time (msec)	Limit (msec)
28.5	60

MOVE TIME

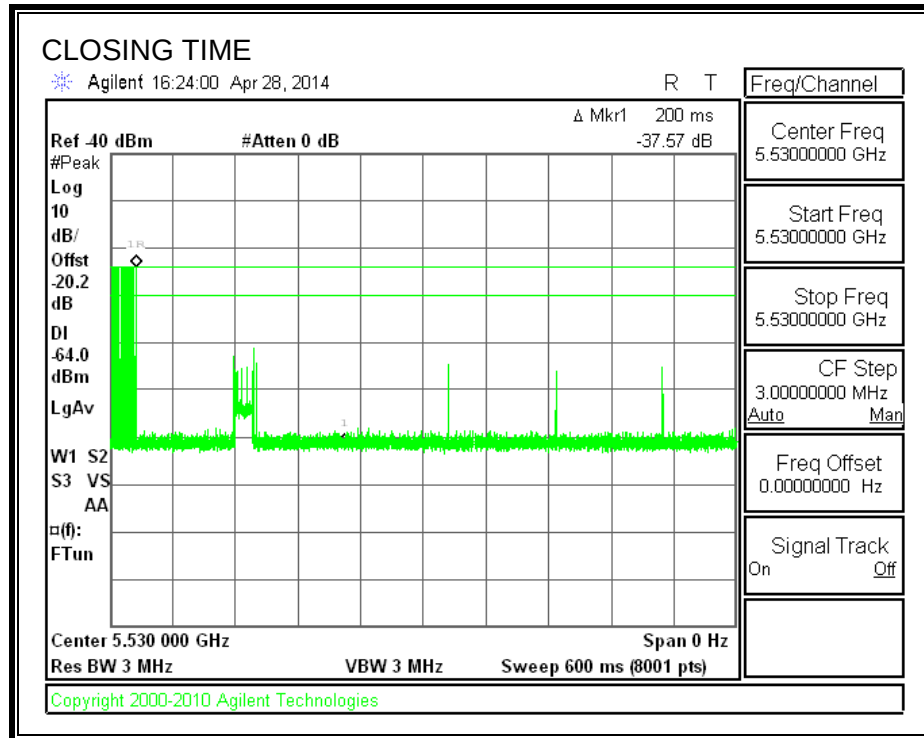
16 SECOND SWEEP:



6 SECOND SWEEP:

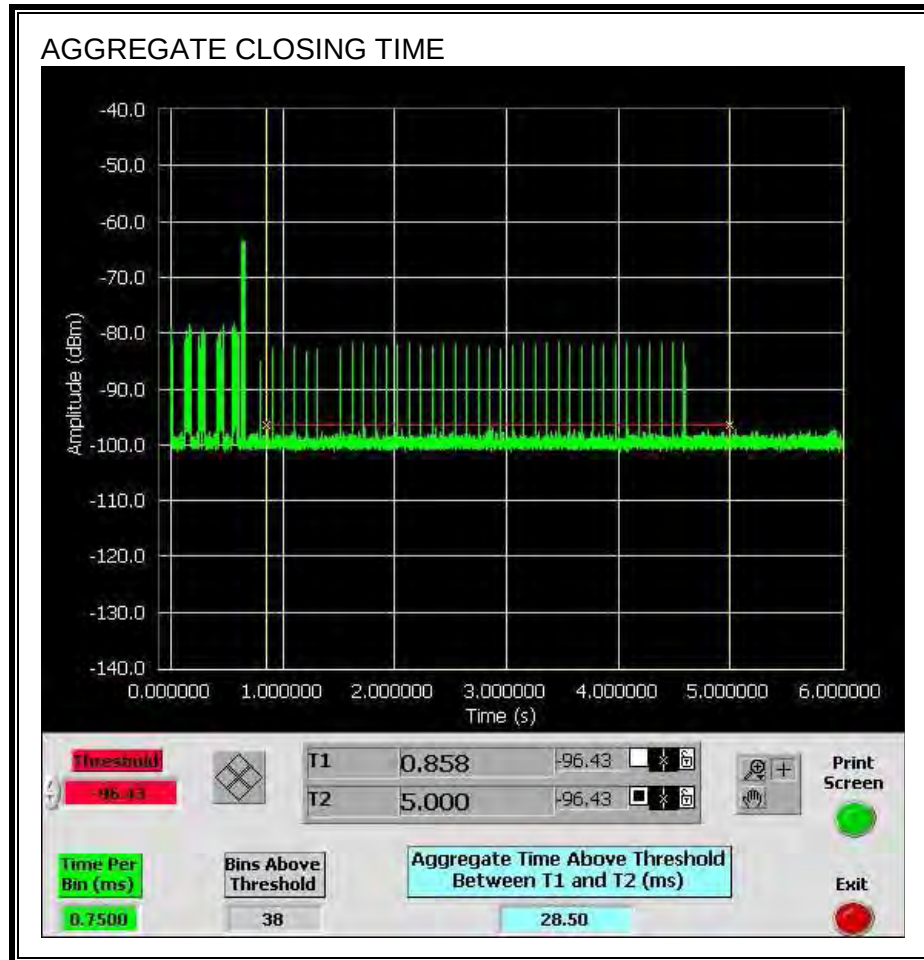


CHANNEL CLOSING TIME



AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

Only intermittent transmissions are observed during the aggregate monitoring period.



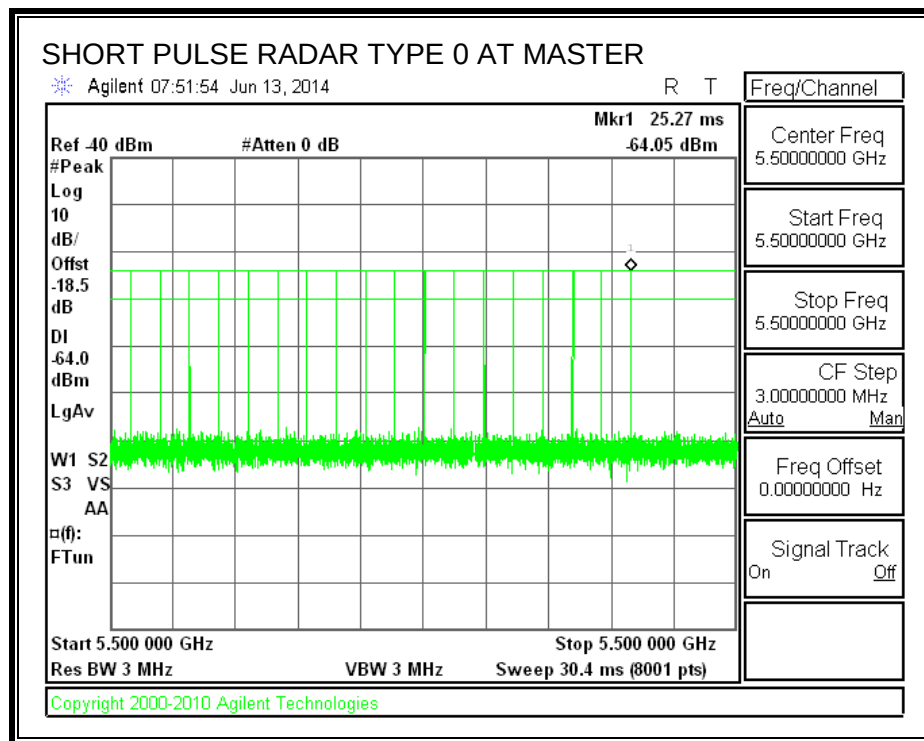
12.4. CLIENT-TO-CLIENT COMMUNICATIONS MODE RESULTS FOR 20 MHz BANDWIDTH

12.4.1. TEST CHANNEL

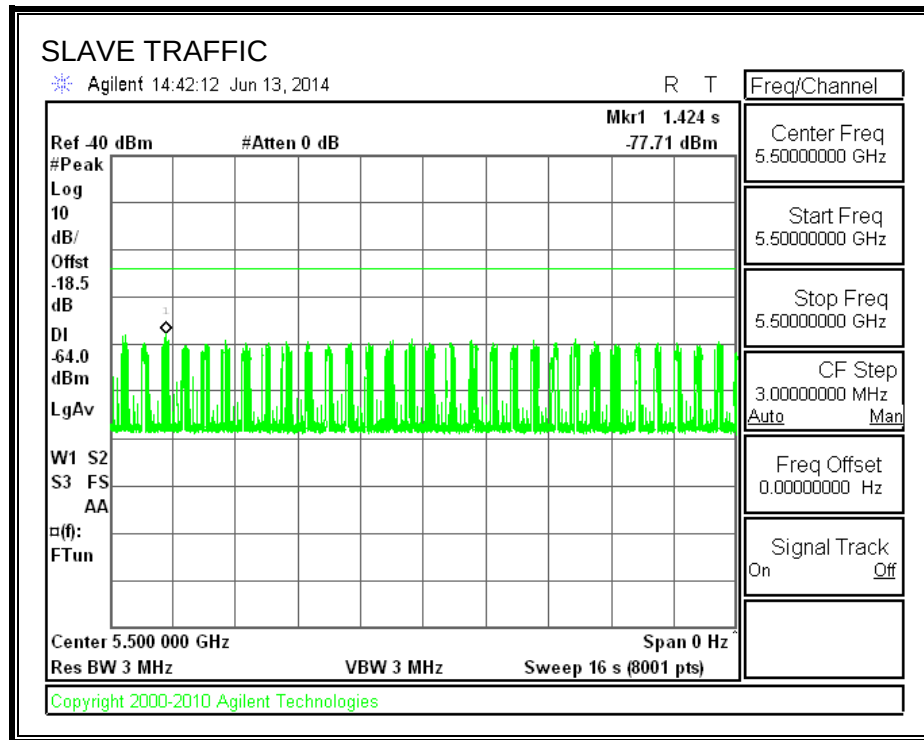
All tests were performed at a channel center frequency of 5500 MHz.

12.4.2. RADAR WAVEFORM AND TRAFFIC

RADAR WAVEFORM



TRAFFIC



12.4.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

12.4.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time =
(Number of analyzer bins showing transmission) * (dwell time per bin)

The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

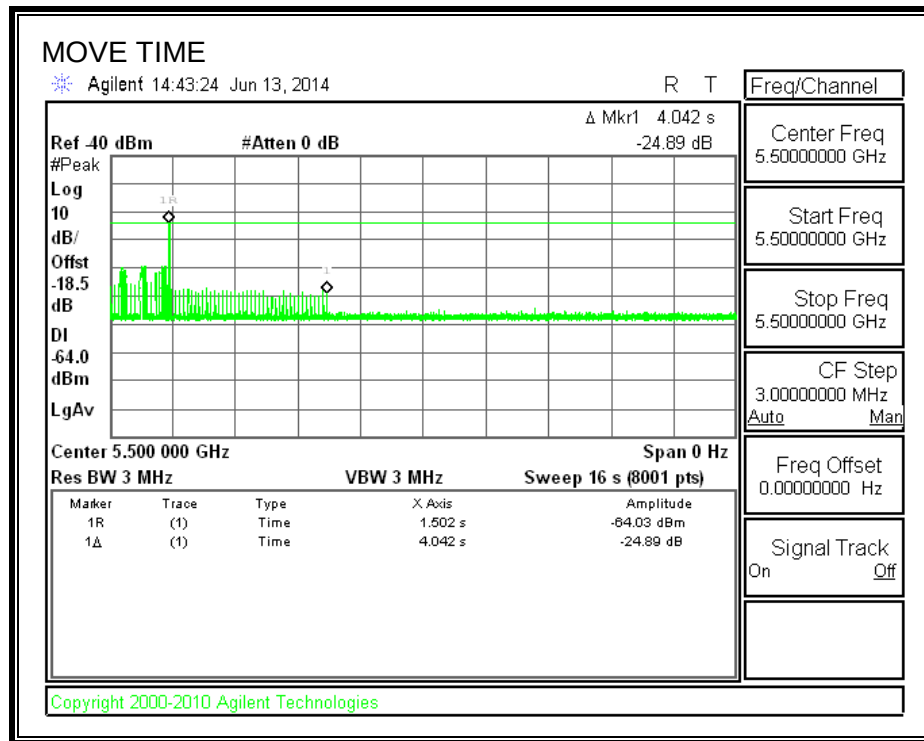
RESULTS

Channel Move Time (sec)	Limit (sec)
0.465	10

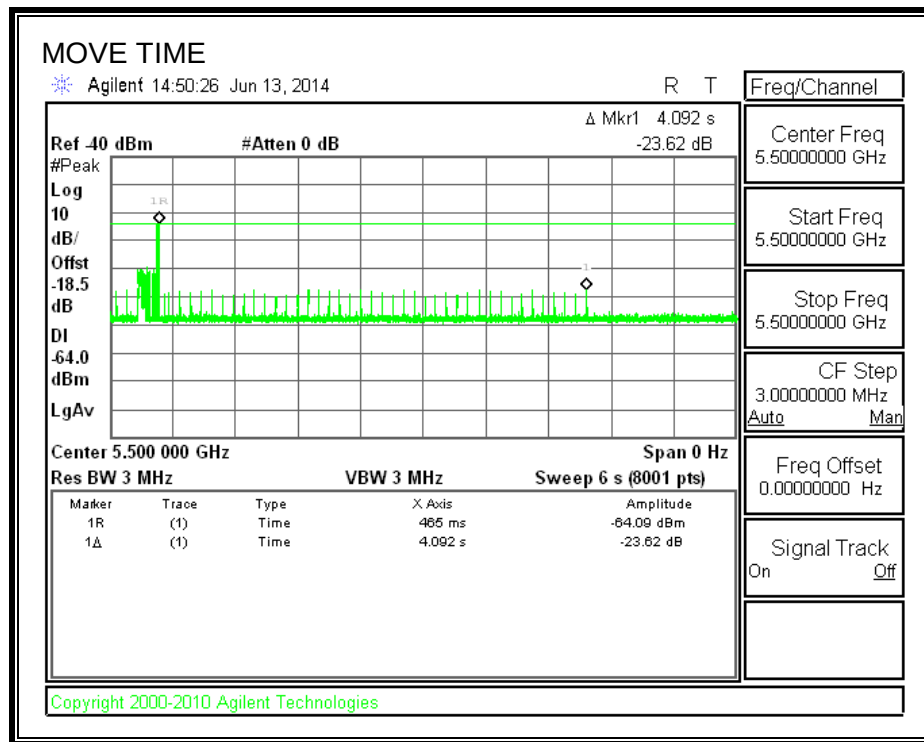
Aggregate Channel Closing Transmission Time (msec)	Limit (msec)
50.25	60

MOVE TIME

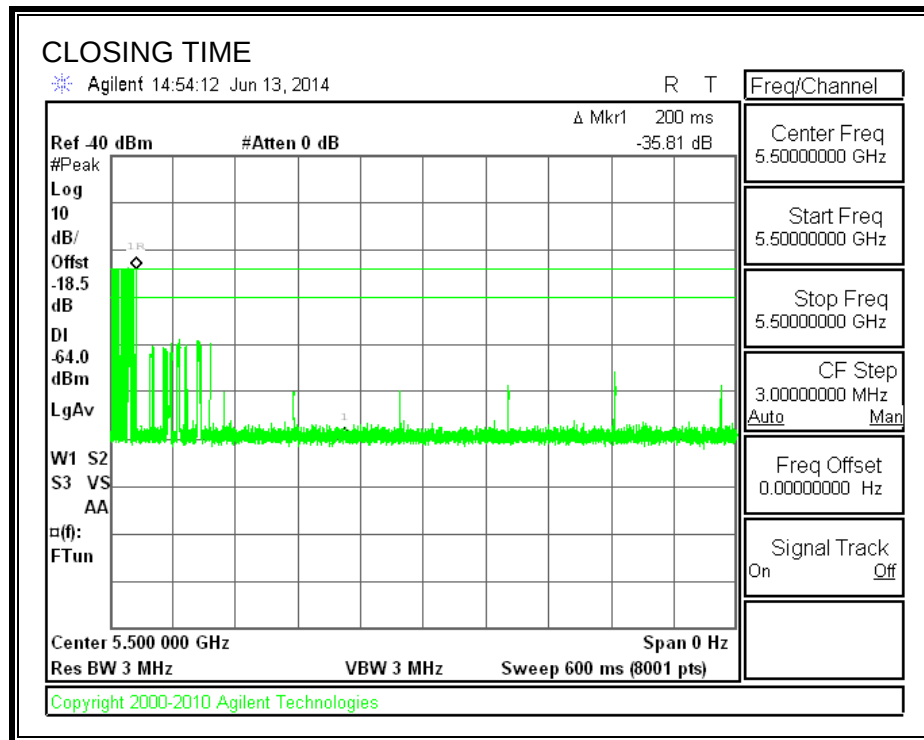
16 SECOND SWEEP:



6 SECOND SWEEP:

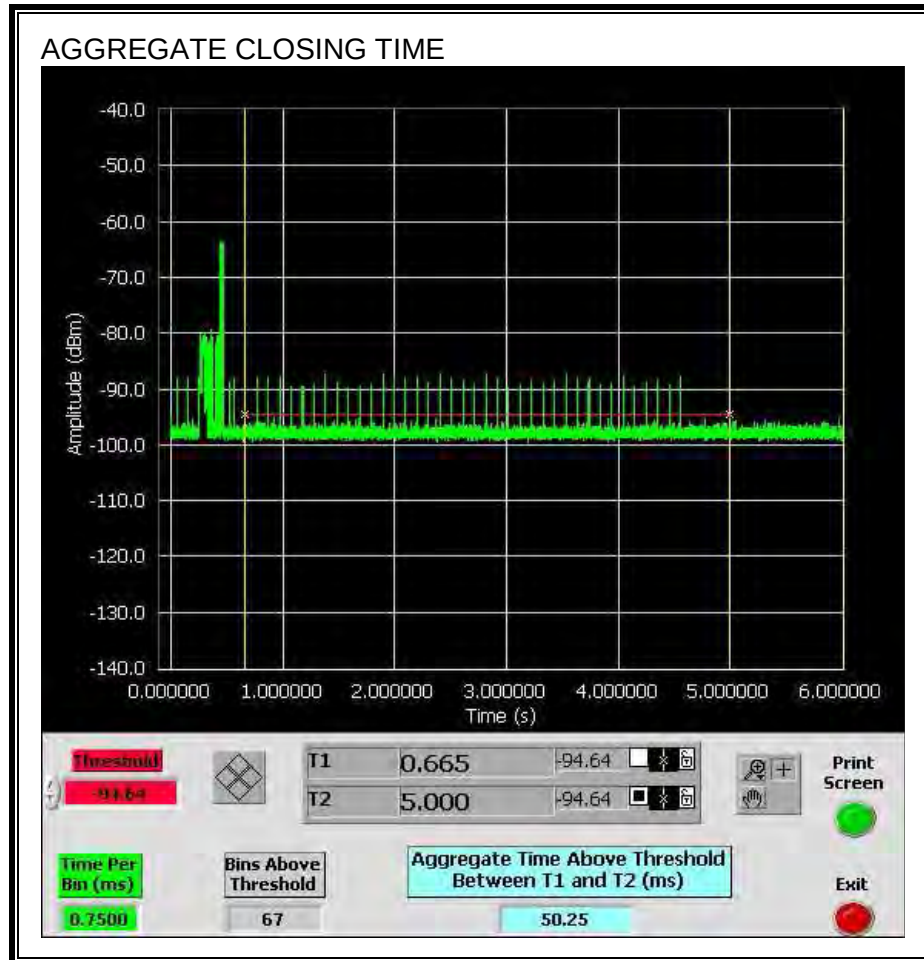


CHANNEL CLOSING TIME



AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

Only intermittent transmissions are observed during the aggregate monitoring period.



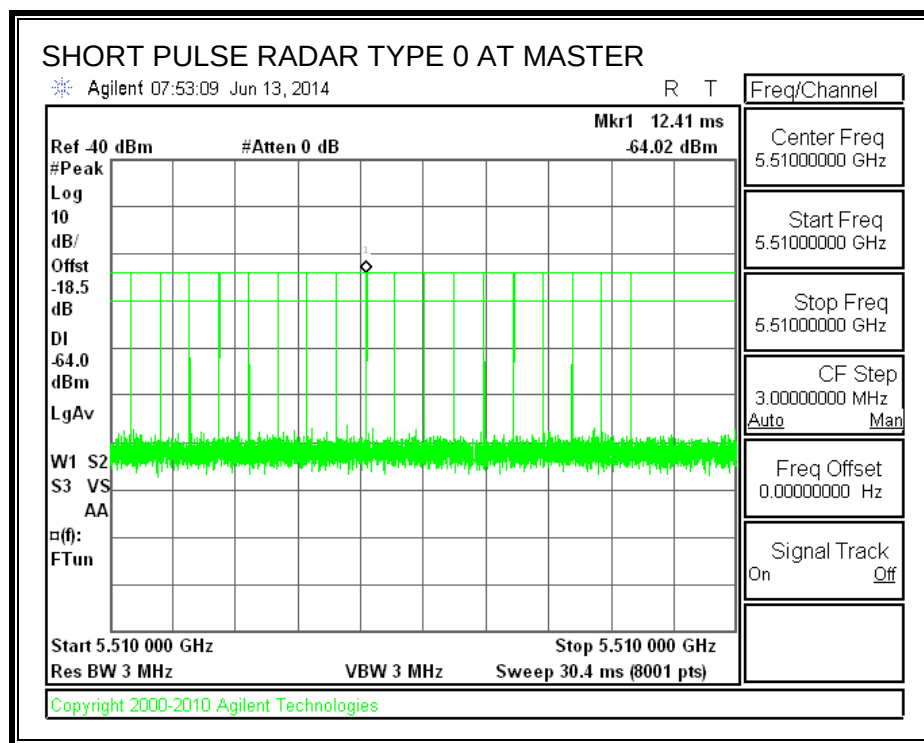
12.5. CLIENT-TO-CLIENT COMMUNICATIONS MODE RESULTS FOR 40 MHz BANDWIDTH

12.5.1. TEST CHANNEL

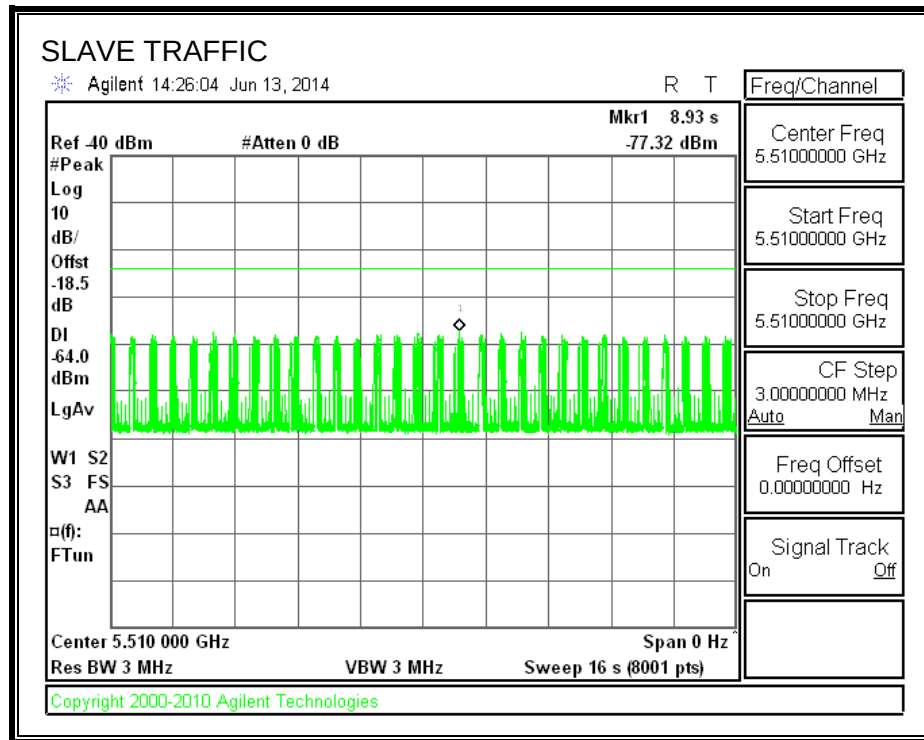
All tests were performed at a channel center frequency of 5510 MHz.

12.5.2. RADAR WAVEFORM AND TRAFFIC

RADAR WAVEFORM



TRAFFIC



12.5.3. OVERLAPPING CHANNEL TESTS

RESULTS

These tests are not applicable.

12.5.4. MOVE AND CLOSING TIME

REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time =
(Number of analyzer bins showing transmission) * (dwell time per bin)

The observation period over which the aggregate time is calculated begins at (Reference Marker + 200 msec) and ends no earlier than (Reference Marker + 10 sec).

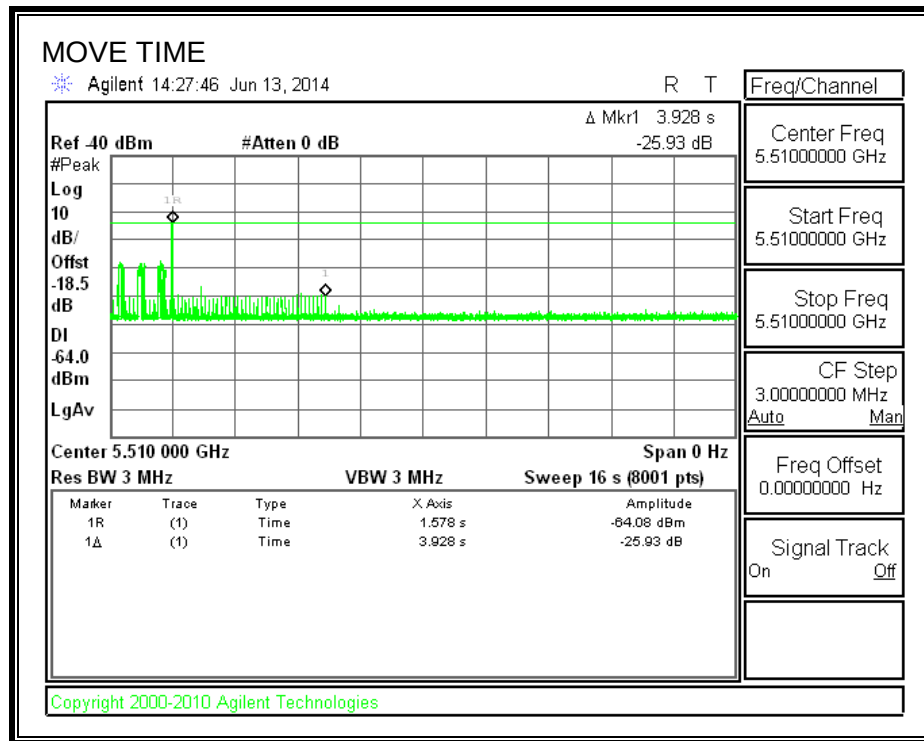
RESULTS

Channel Move Time (sec)	Limit (sec)
0.5152	10

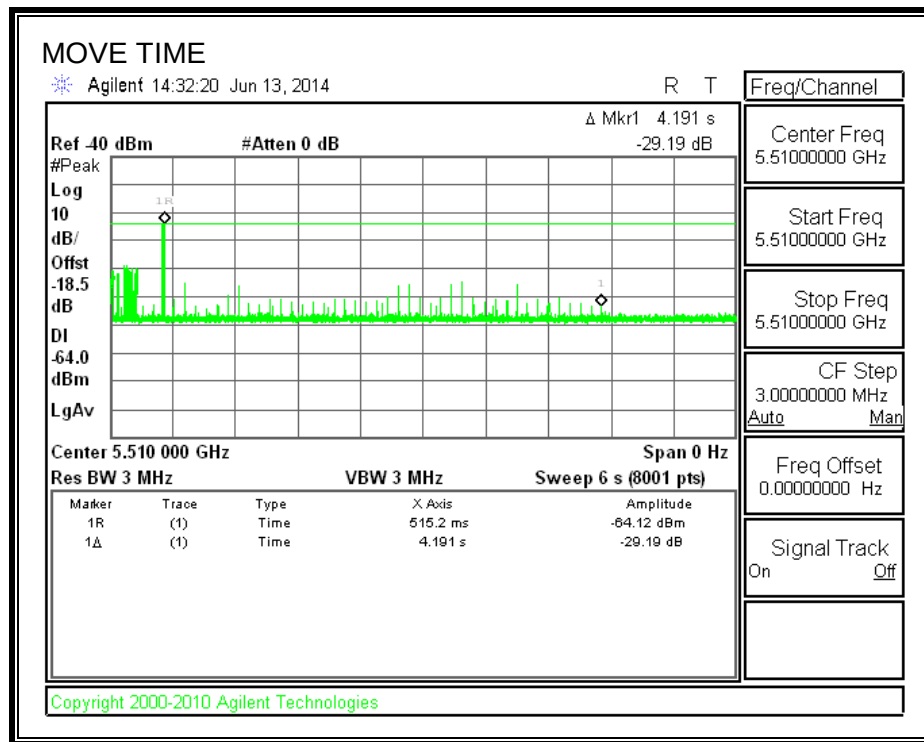
Aggregate Channel Closing Transmission Time (msec)	Limit (msec)
57.0	60

MOVE TIME

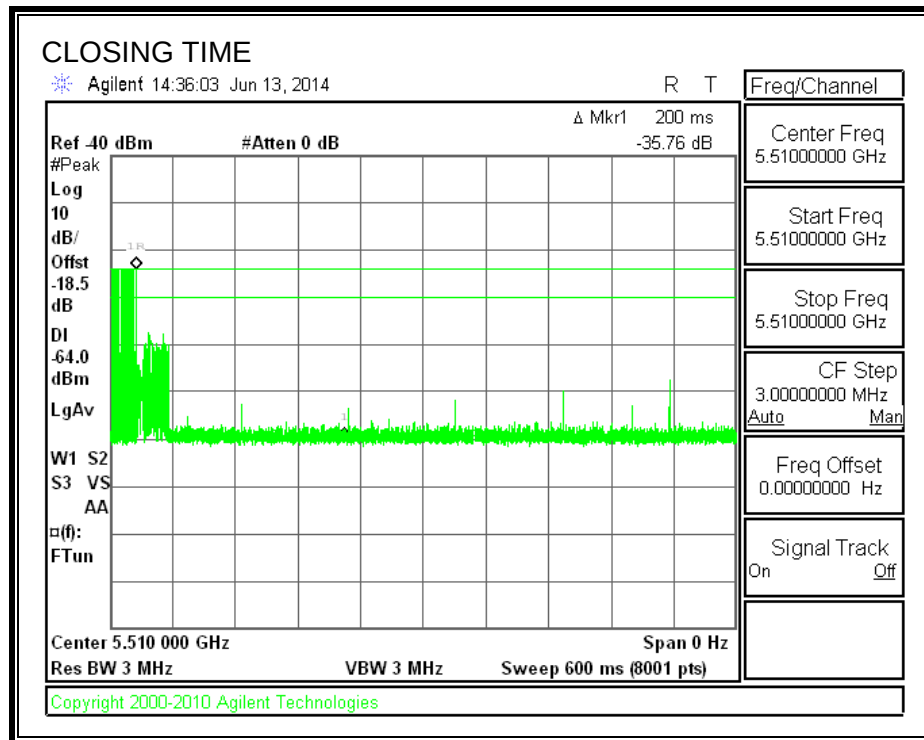
16 SECOND SWEEP:



6 SECOND SWEEP:



CHANNEL CLOSING TIME



AGGREGATE CHANNEL CLOSING TRANSMISSION TIME

Only intermittent transmissions are observed during the aggregate monitoring period.

