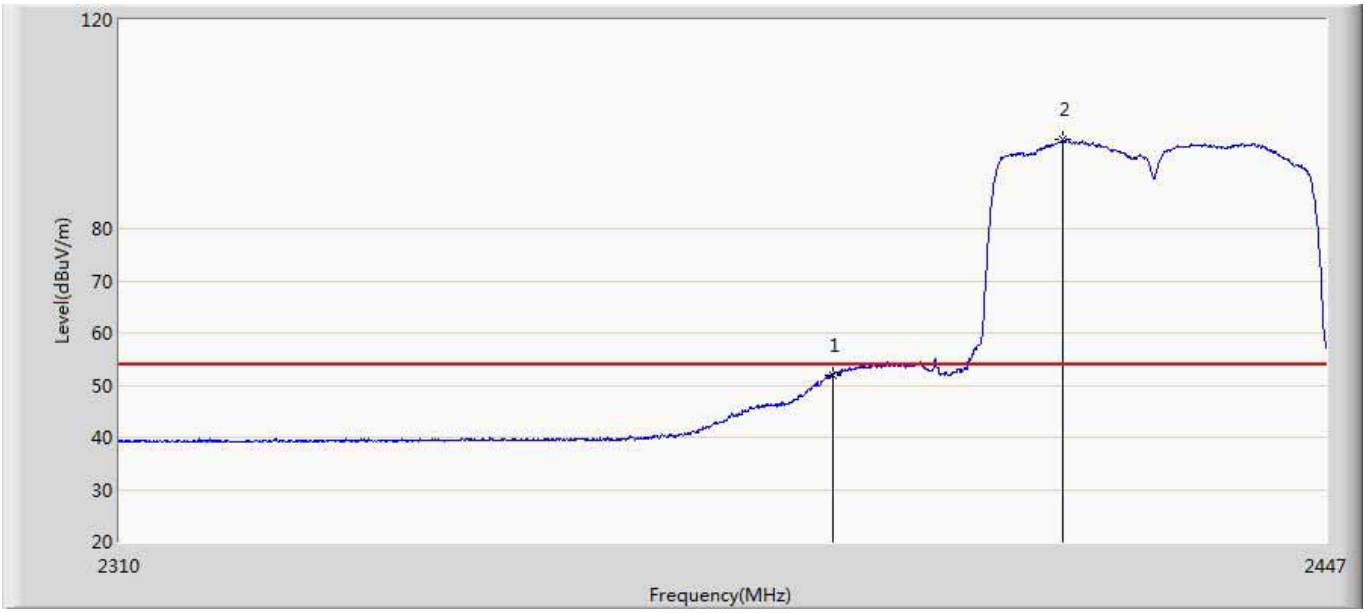
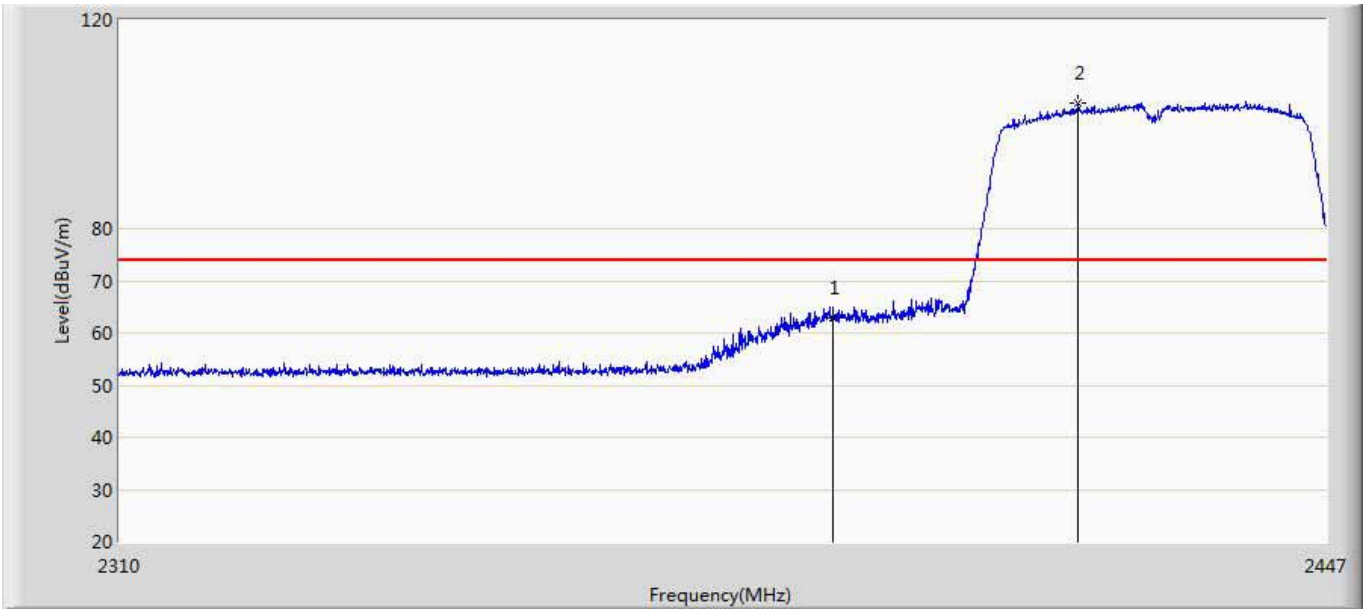
Site: AC5	Time: 2017/01/17 - 09:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: PoE 57V
Note: Mode 4:Transmit at channel 2427MHz by 802.11n40	



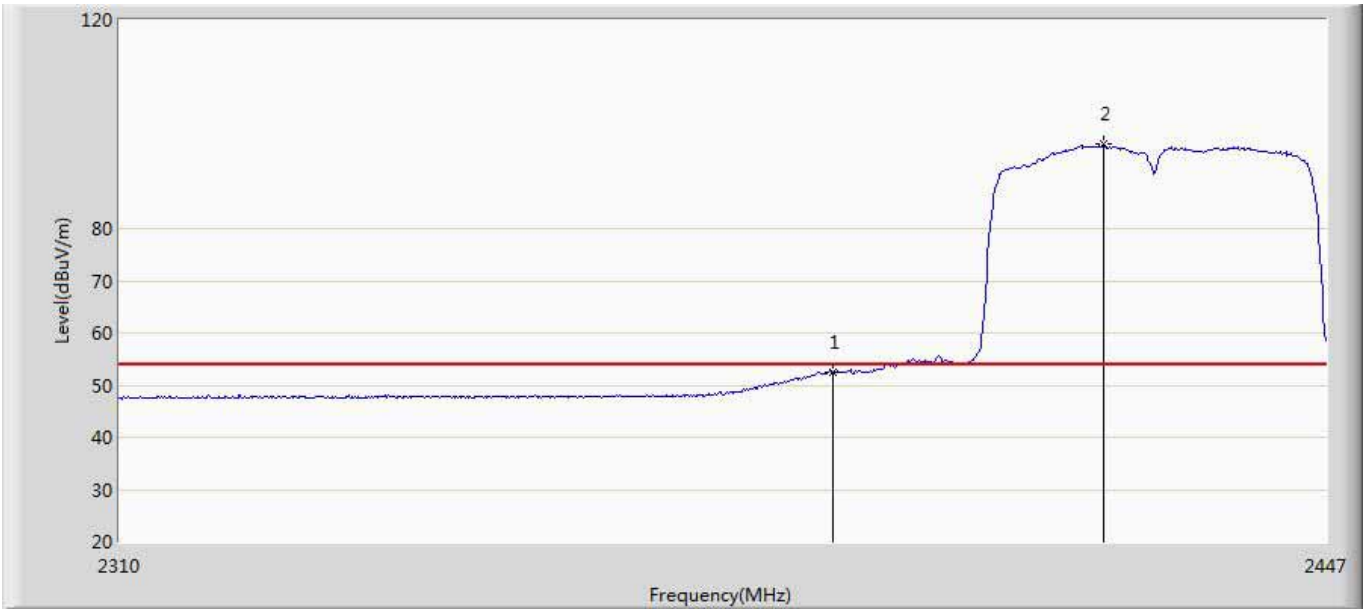
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	51.749	16.067	-2.251	54.000	35.682	AV
2	*	2416.381	97.022	61.262	43.022	54.000	35.760	AV

Site: AC5	Time: 2017/01/17 - 11:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: PoE 57V
Note: Mode 4:Transmit at channel 2427MHz by 802.11n40	



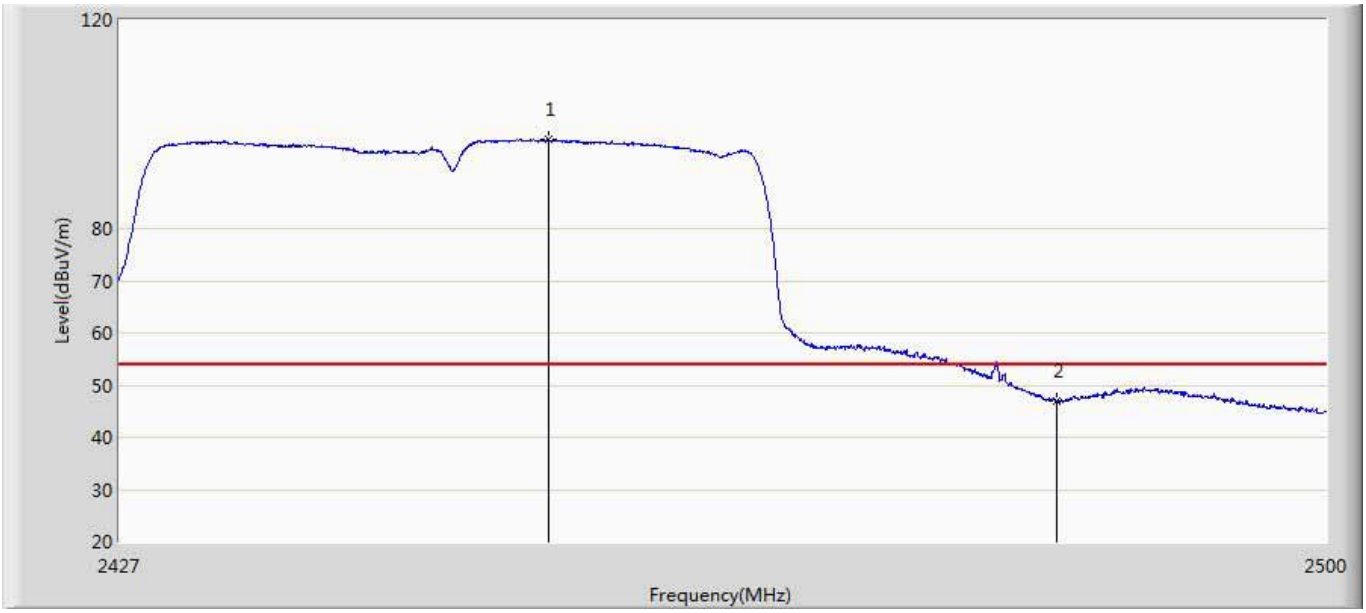
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	63.013	27.331	-10.987	74.000	35.682	PK
2	*	2418.230	104.033	68.265	30.033	74.000	35.768	PK

Site: AC5	Time: 2017/01/16 - 19:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: PoE 57V
Note: Mode 4:Transmit at channel 2427MHz by 802.11n40	



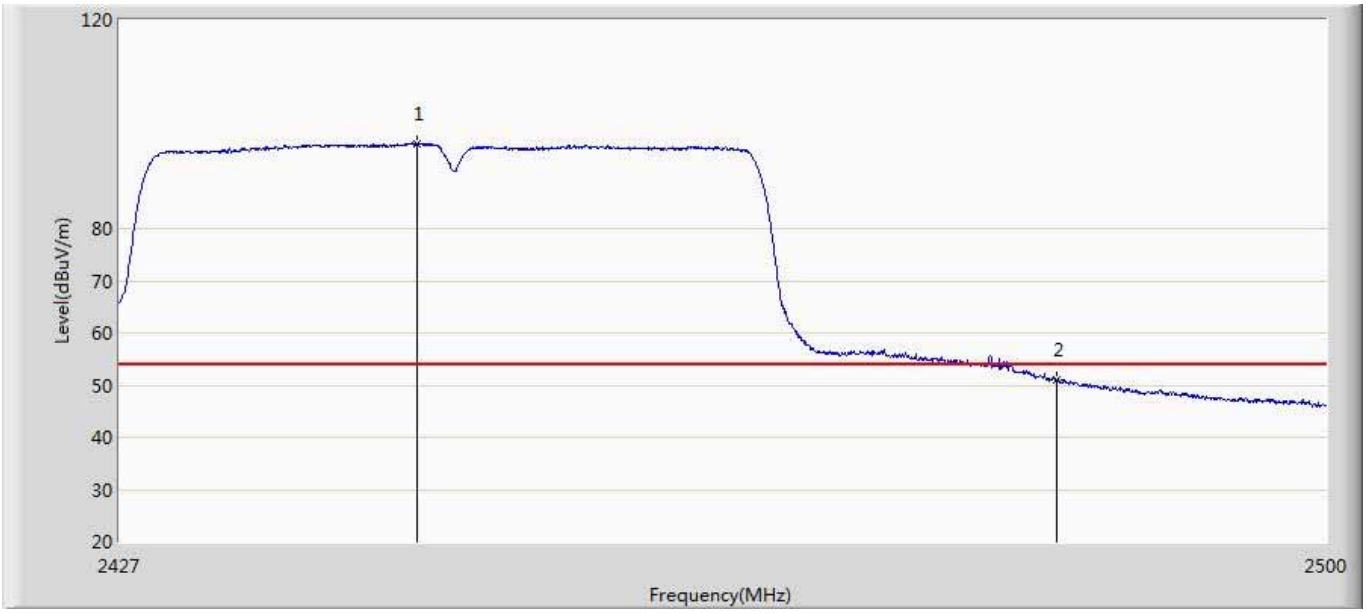
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	52.400	16.718	-1.600	54.000	35.682	AV
2	*	2421.107	96.122	60.342	42.122	54.000	35.779	AV

Site: AC5	Time: 2017/01/18 - 09:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: PoE 57V
Note: Mode 4:Transmit at channel 2447MHz by 802.11n40	



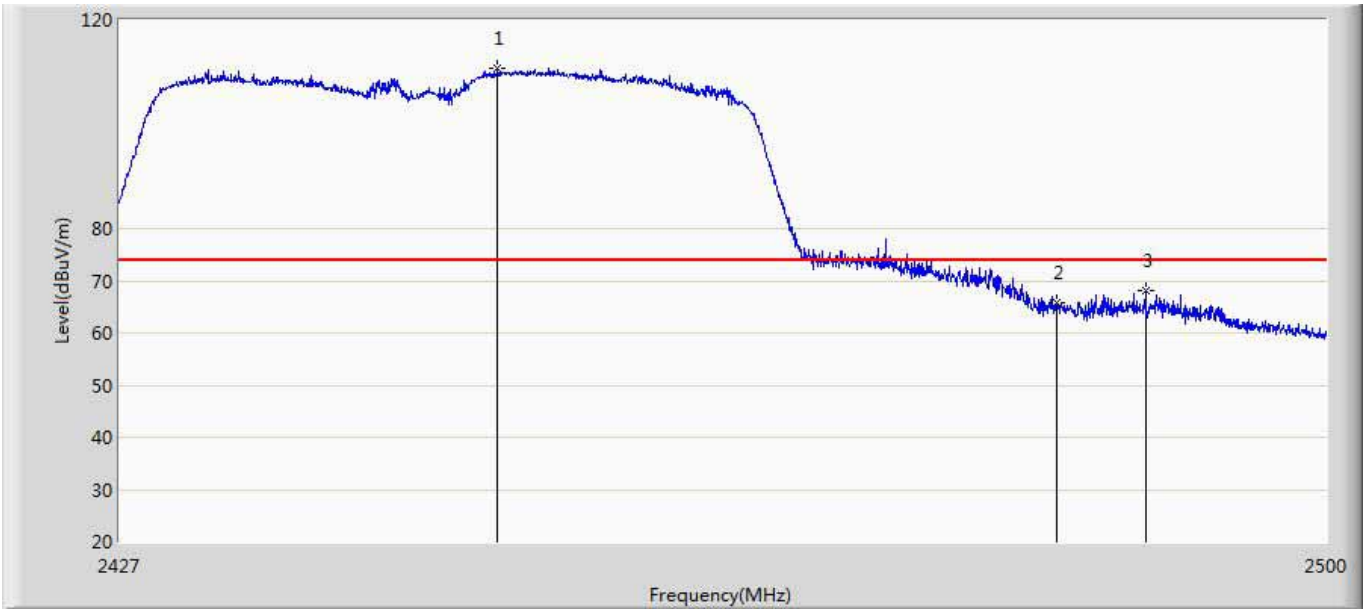
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2452.696	97.185	61.347	43.185	54.000	35.838	AV
2		2483.500	46.889	10.997	-7.111	54.000	35.891	AV

Site: AC5	Time: 2017/01/18 - 09:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: PoE 57V
Note: Mode 4:Transmit at channel 2447MHz by 802.11n40	



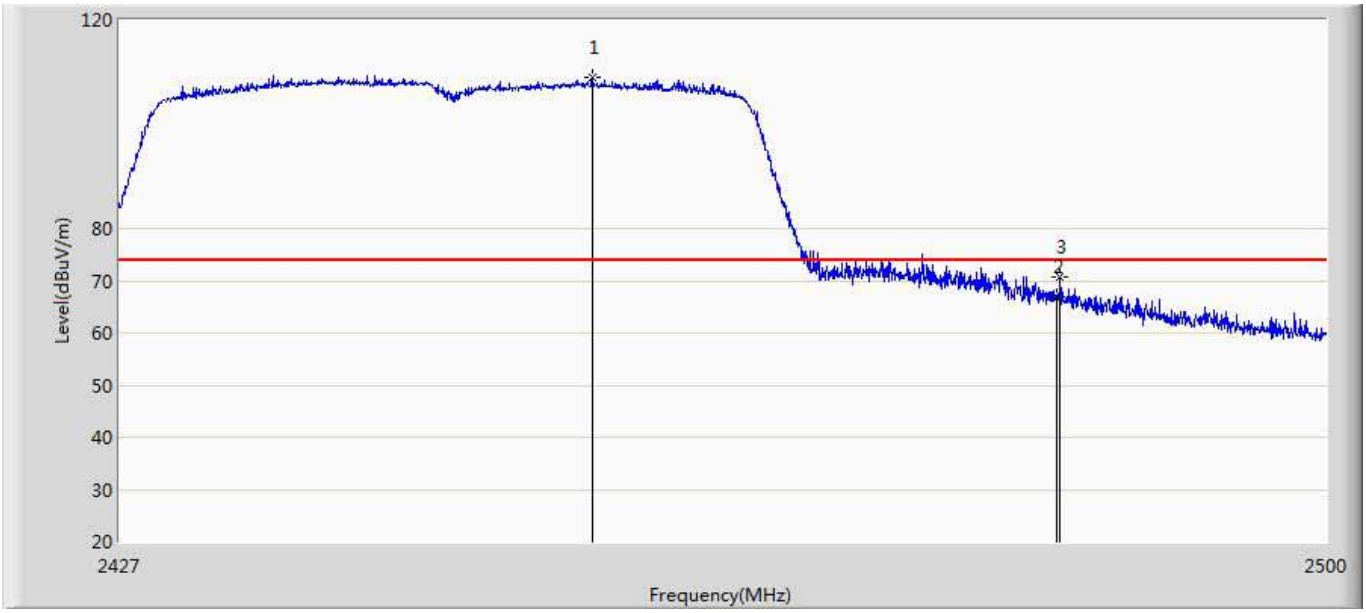
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2444.848	96.291	60.487	42.291	54.000	35.804	AV
2		2483.500	51.008	15.116	-2.992	54.000	35.891	AV

Site: AC5	Time: 2017/01/18 - 09:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: PoE 57V
Note: Mode 4:Transmit at channel 2447MHz by 802.11n40	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2449.630	110.766	74.942	36.766	74.000	35.824	PK
2		2483.500	65.665	29.773	-8.335	74.000	35.891	PK
3		2488.940	68.058	32.127	-5.942	74.000	35.931	PK

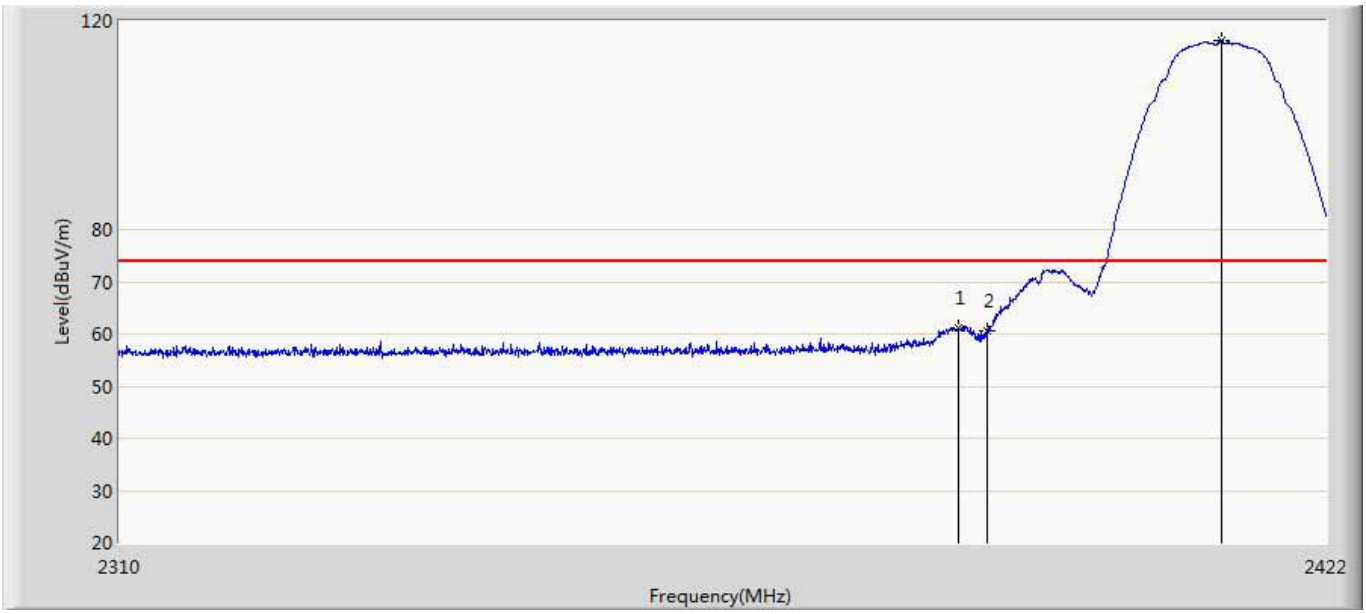
Site: AC5	Time: 2017/01/18 - 09:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: PoE 57V
Note: Mode 4:Transmit at channel 2447MHz by 802.11n40	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2455.397	108.888	73.039	34.888	74.000	35.849	PK
2		2483.500	67.015	31.123	-6.985	74.000	35.891	PK
3		2483.758	70.588	34.694	-3.412	74.000	35.894	PK

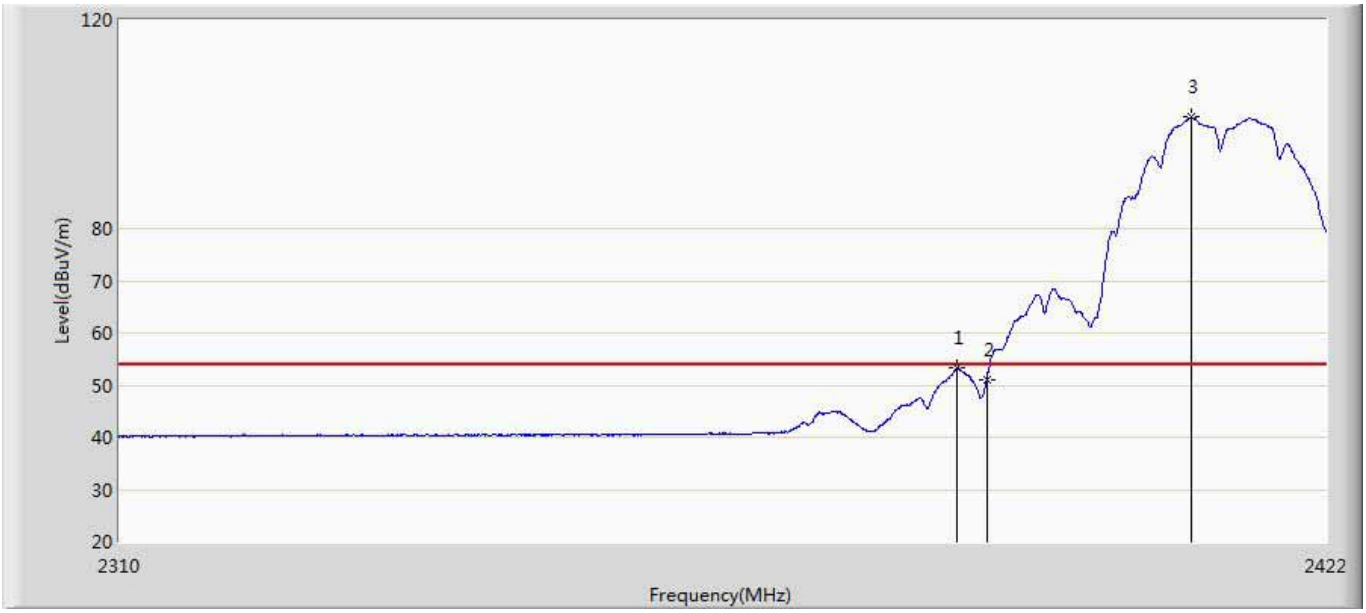
APEX0367:

Site: AC5	Time: 2016/11/22 - 20:12
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Access Point	Power:PoE 57V
Note: Mode 1:Transmit at channel 2412MHz by 802.11b	



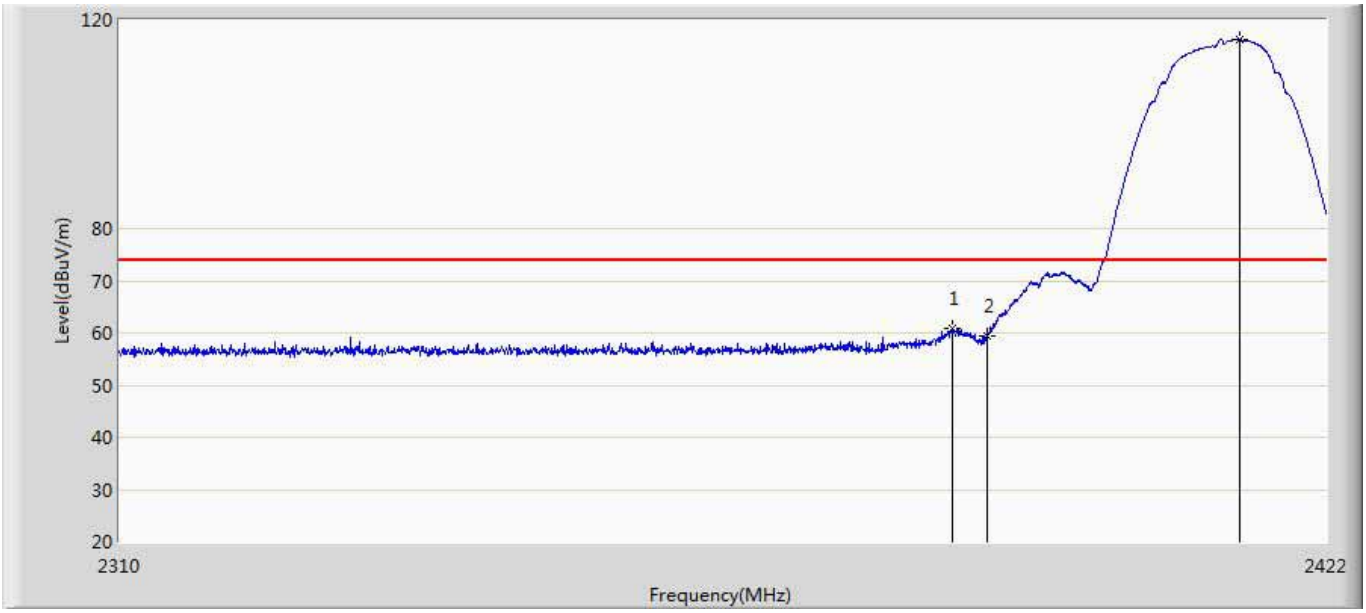
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2387.280	61.238	25.562	-12.762	74.000	35.676	PK
2		2390.000	60.659	24.977	-13.341	74.000	35.682	PK
3	*	2412.088	116.371	80.629	42.371	74.000	35.741	PK

Site: AC5	Time: 2016/11/22 - 20:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Access Point	Power:PoE 57V
Note: Mode 1:Transmit at channel 2412MHz by 802.11b	



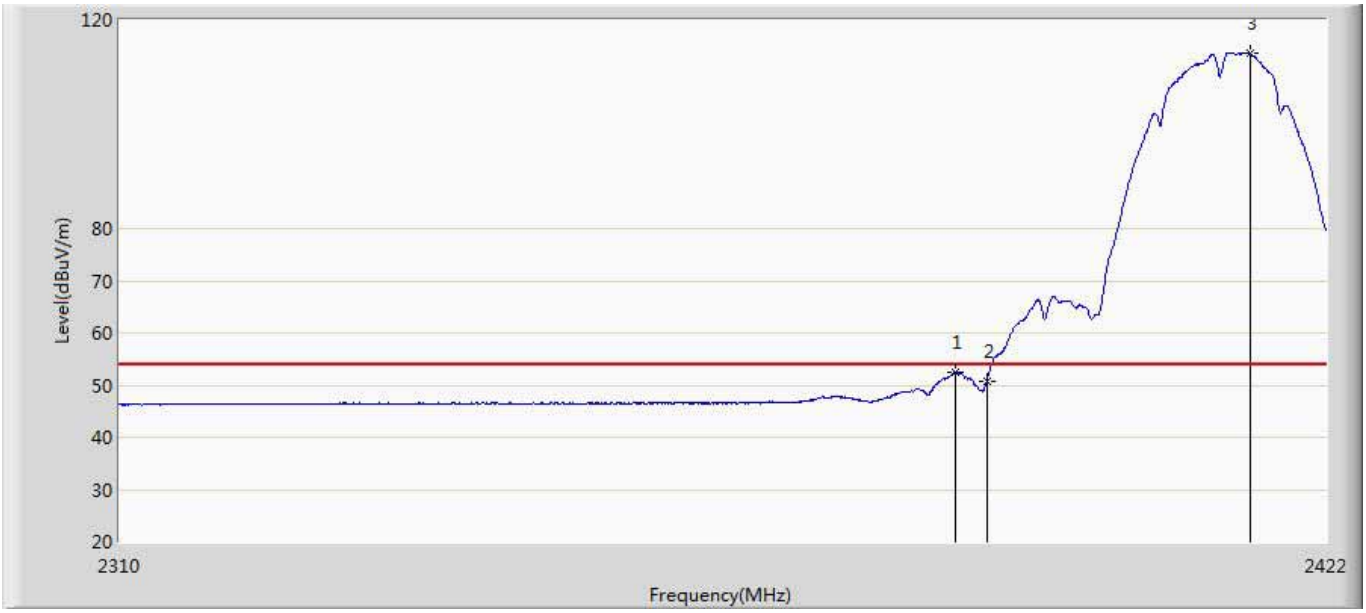
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2387.224	53.206	17.530	-0.794	54.000	35.676	AV
2		2390.000	51.031	15.349	-2.969	54.000	35.682	AV
3	*	2409.232	101.313	65.581	47.313	54.000	35.732	AV

Site: AC5	Time: 2016/11/22 - 20:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Access Point	Power:PoE 57V
Note: Mode 1:Transmit at channel 2412MHz by 802.11b	



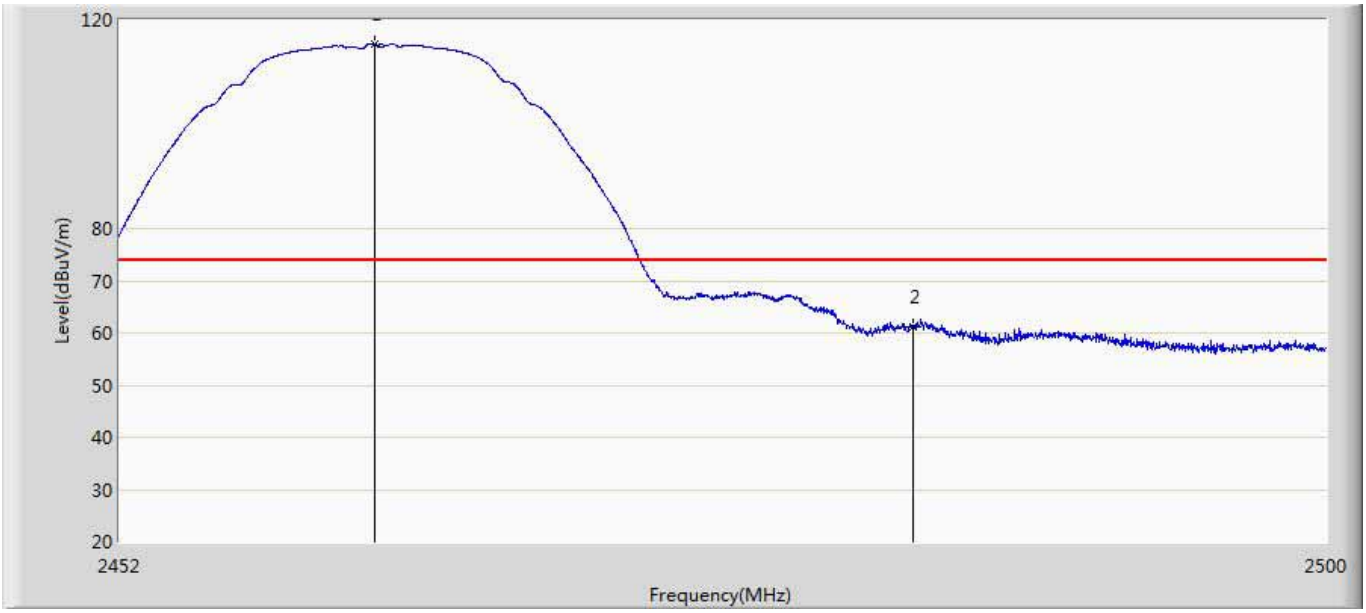
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2386.720	60.867	25.192	-13.133	74.000	35.675	PK
2		2390.000	59.428	23.746	-14.572	74.000	35.682	PK
3	*	2413.880	116.121	80.372	42.121	74.000	35.750	PK

Site: AC5	Time: 2016/11/22 - 20:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Access Point	Power:PoE 57V
Note: Mode 1:Transmit at channel 2412MHz by 802.11b	



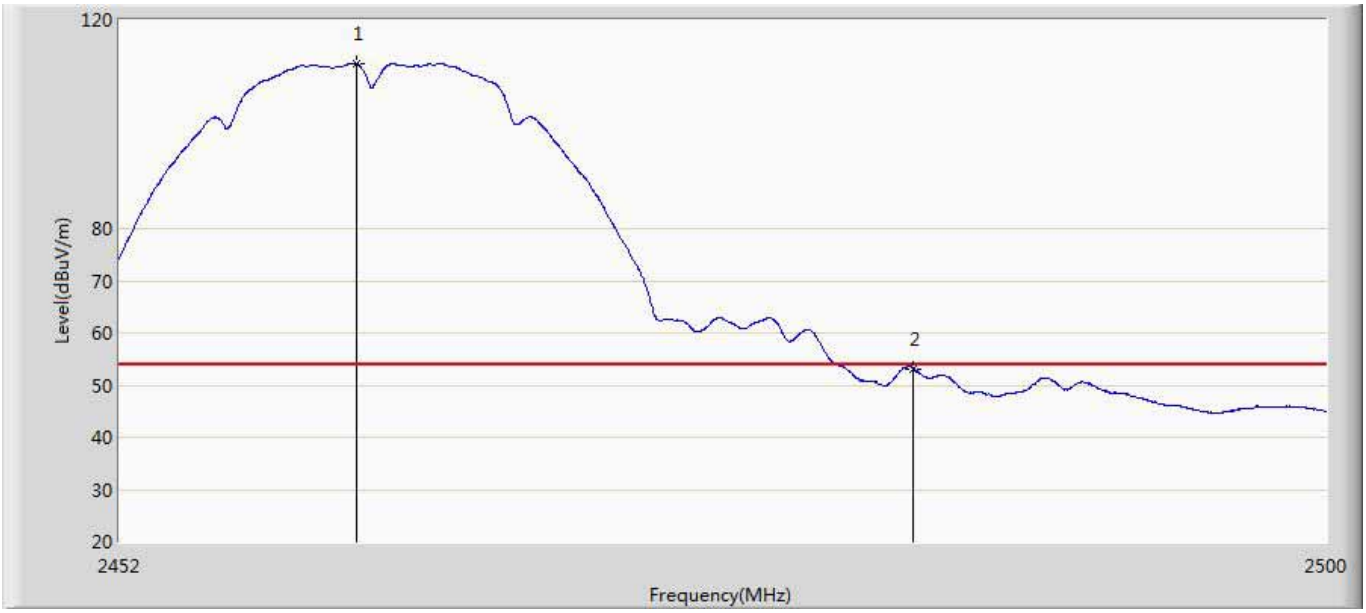
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2387.000	52.327	16.652	-1.673	54.000	35.675	AV
2		2390.000	50.672	14.990	-3.328	54.000	35.682	AV
3	*	2414.776	113.640	77.887	59.640	54.000	35.753	AV

Site: AC5	Time: 2016/11/22 - 20:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Access Point	Power:PoE 57V
Note: Mode 1:Transmit at channel 2462MHz by 802.11b	



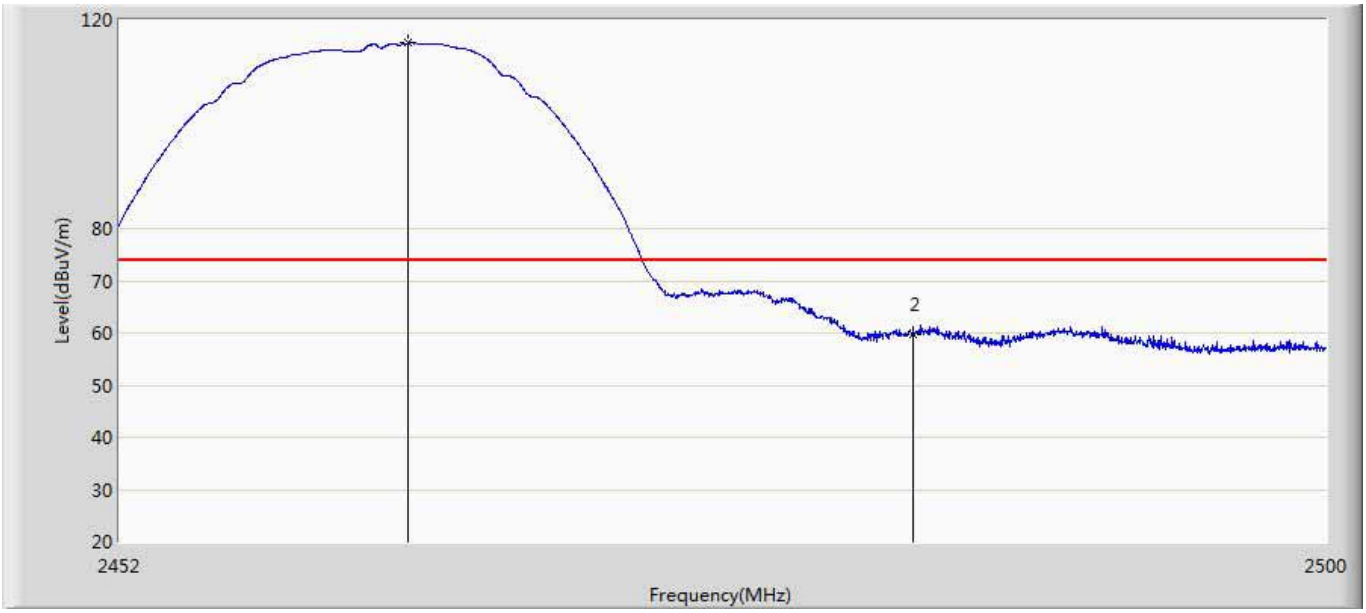
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2462.104	115.376	79.498	41.376	74.000	35.878	PK
2		2483.500	61.192	25.300	-12.808	74.000	35.891	PK

Site: AC5	Time: 2016/11/22 - 20:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Access Point	Power:PoE 57V
Note: Mode 1:Transmit at channel 2462MHz by 802.11b	



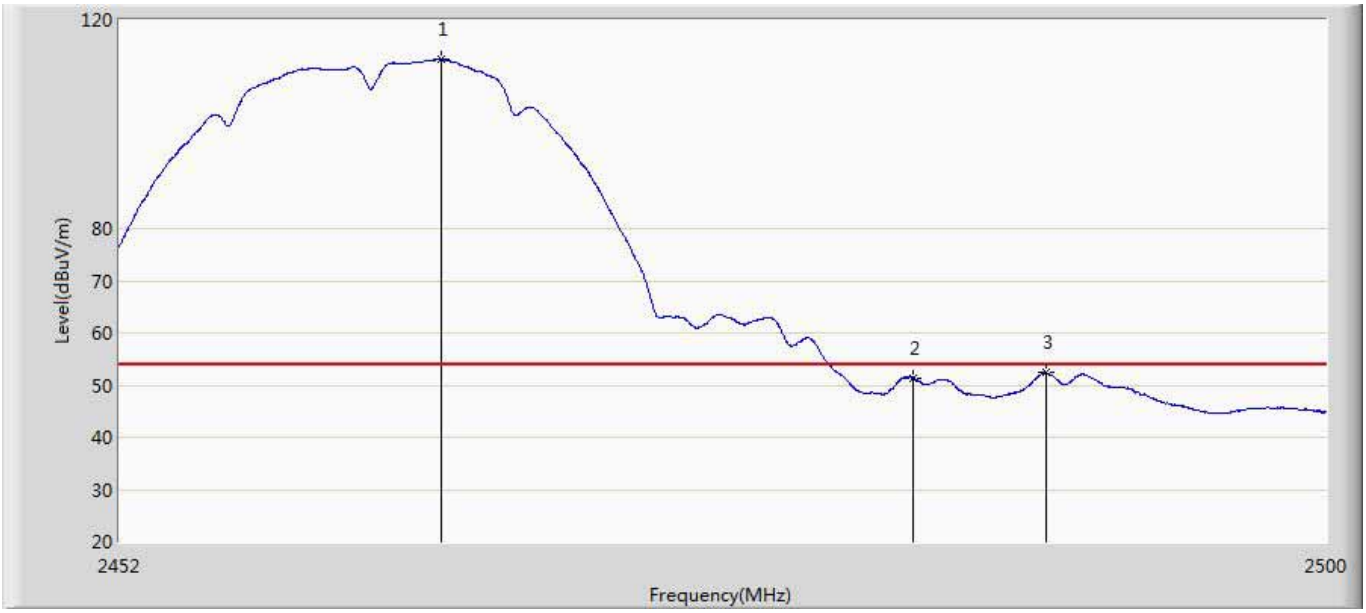
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2461.360	111.584	75.709	57.584	54.000	35.875	AV
2		2483.500	53.027	17.135	-0.973	54.000	35.891	AV

Site: AC5	Time: 2016/11/22 - 20:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Access Point	Power:PoE 57V
Note: Mode 1:Transmit at channel 2462MHz by 802.11b	



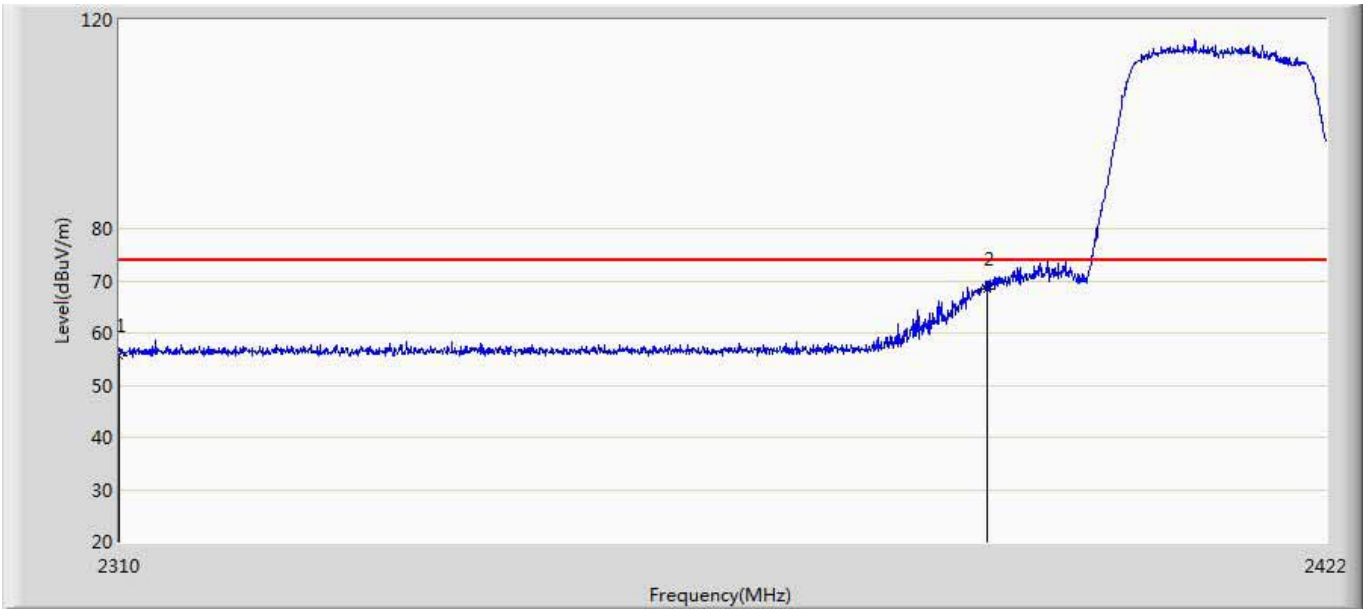
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2463.400	115.548	79.671	41.548	74.000	35.877	PK
2		2483.500	59.668	23.776	-14.332	74.000	35.891	PK

Site: AC5	Time: 2016/11/22 - 20:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Access Point	Power:PoE 57V
Note: Mode 1:Transmit at channel 2462MHz by 802.11b	



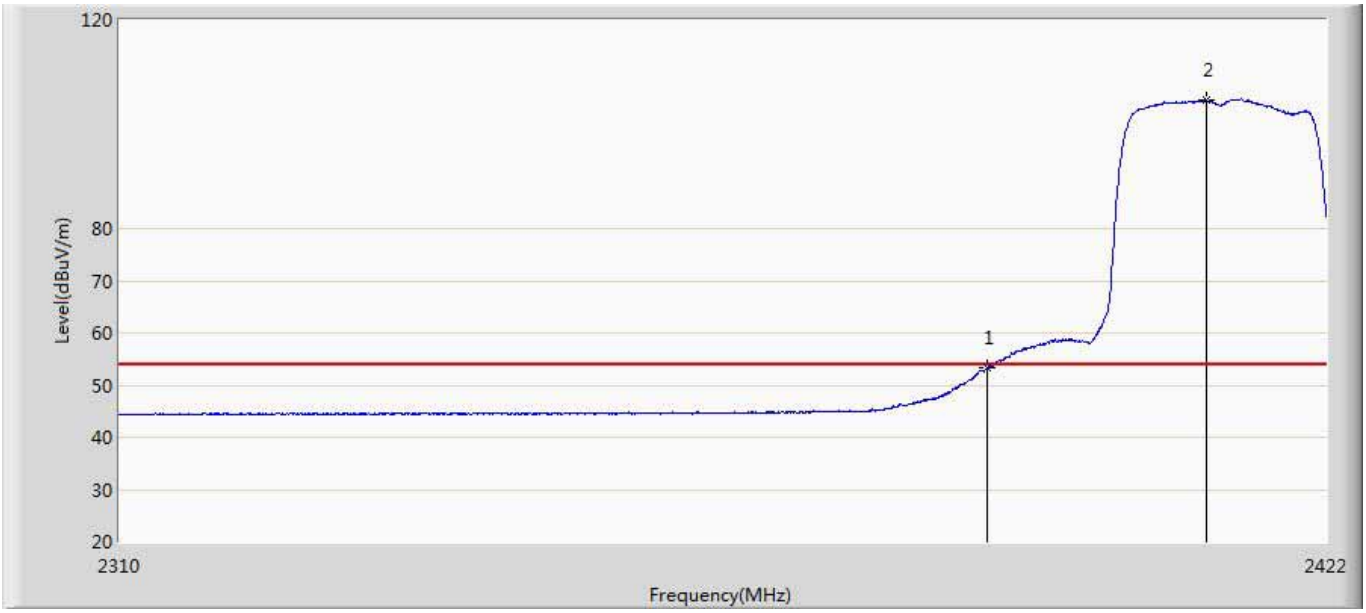
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2464.720	112.446	76.571	58.446	54.000	35.875	AV
2		2483.500	51.411	15.519	-2.589	54.000	35.891	AV
3		2488.768	52.330	16.400	-1.670	54.000	35.929	AV

Site: AC5	Time: 2016/11/22 - 21:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Access Point	Power:PoE 57V
Note: Mode 2:Transmit at channel 2412MHz by 802.11g	



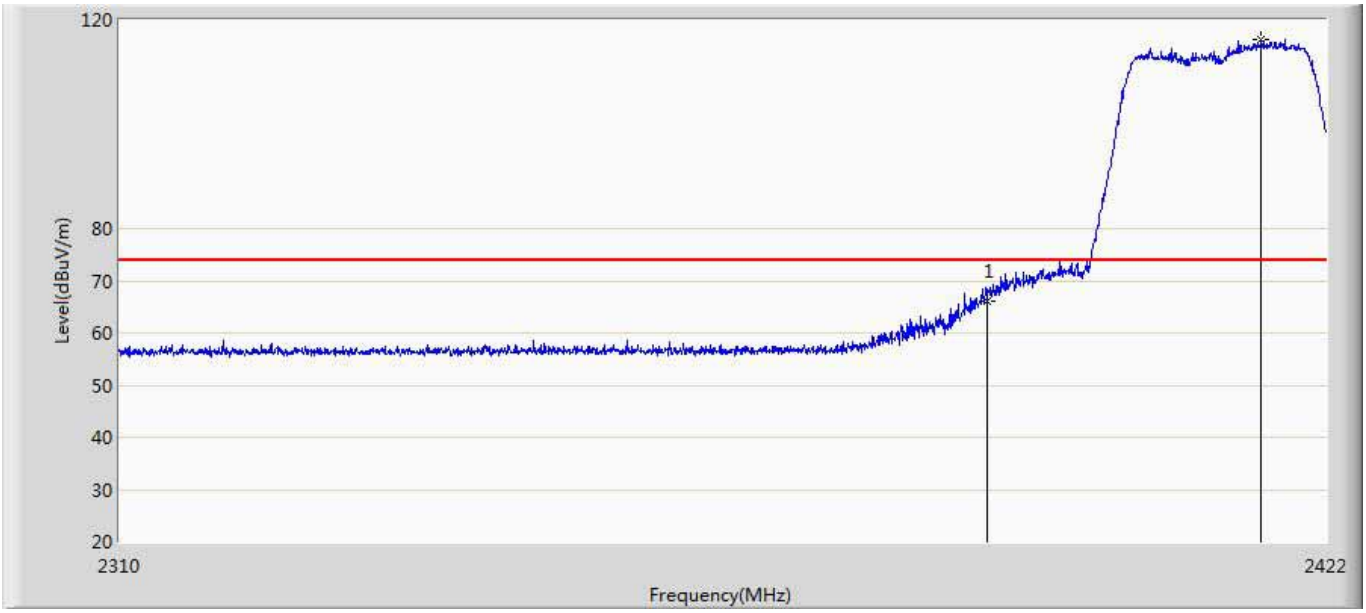
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2310.000	55.722	20.212	-18.278	74.000	35.510	PK
2	*	2390.000	68.514	32.832	-5.486	74.000	35.682	PK

Site: AC5	Time: 2016/11/22 - 21:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Access Point	Power:PoE 57V
Note: Mode 2:Transmit at channel 2412MHz by 802.11g	



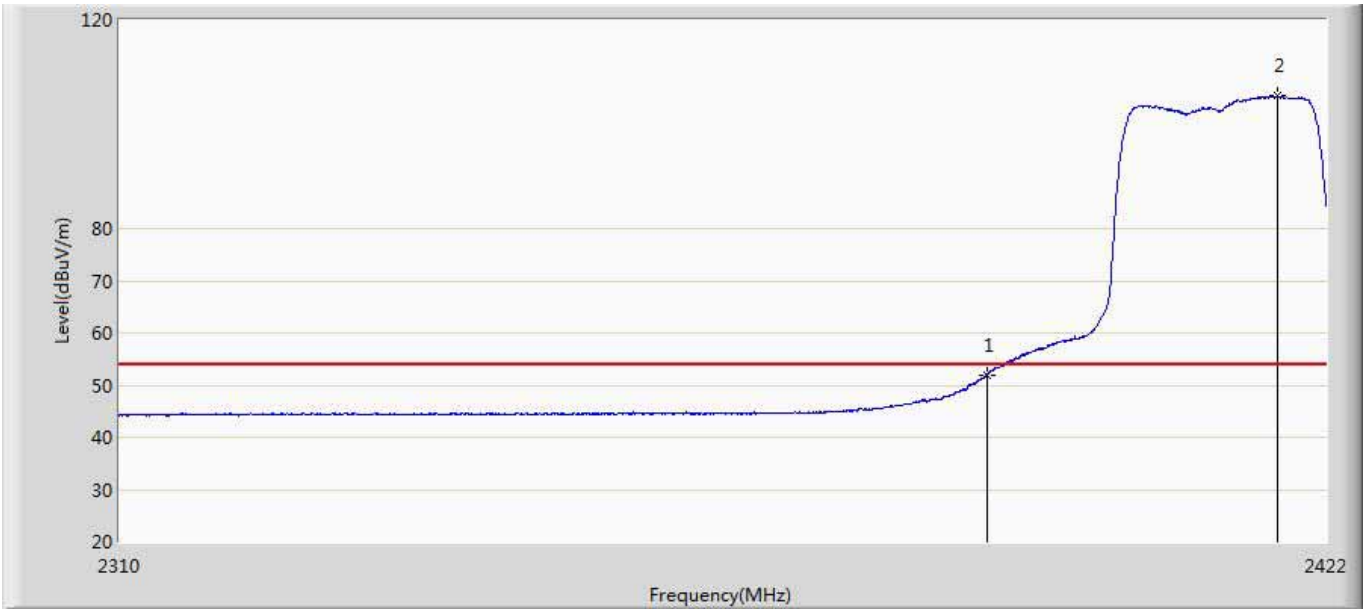
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	53.208	17.526	-0.792	54.000	35.682	AV
2	*	2410.744	104.660	68.923	50.660	54.000	35.737	AV

Site: AC5	Time: 2016/11/22 - 21:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Access Point	Power:PoE 57V
Note: Mode 2:Transmit at channel 2412MHz by 802.11g	



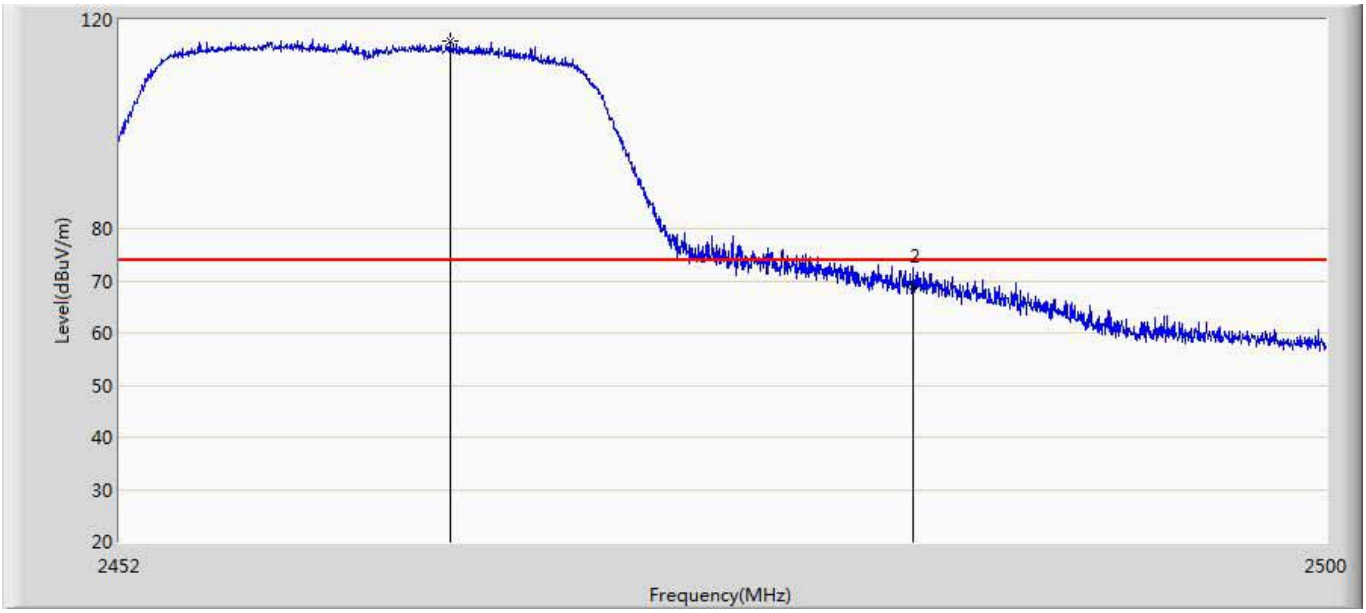
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	65.988	30.306	-8.012	74.000	35.682	PK
2	*	2415.896	116.248	80.490	42.248	74.000	35.758	PK

Site: AC5	Time: 2016/11/22 - 21:06
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Access Point	Power:PoE 57V
Note: Mode 2:Transmit at channel 2412MHz by 802.11g	



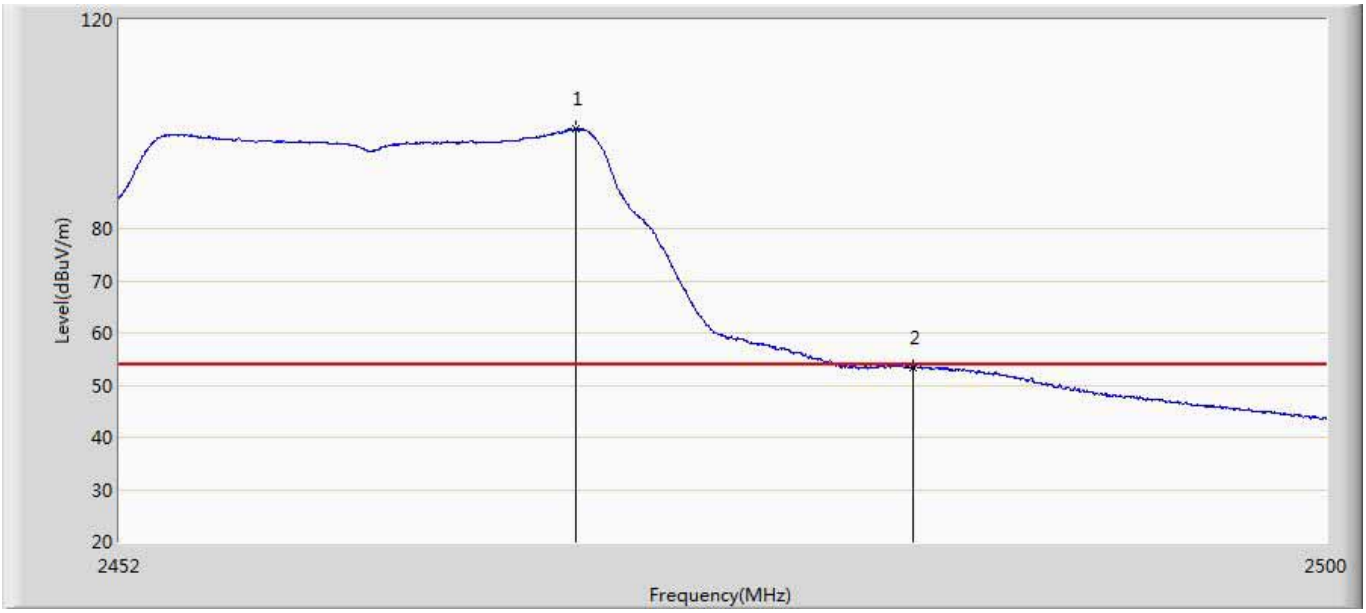
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	52.007	16.325	-1.993	54.000	35.682	AV
2	*	2417.464	105.412	69.648	51.412	54.000	35.764	AV

Site: AC5	Time: 2016/11/22 - 21:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Access Point	Power:PoE 57V
Note: Mode 2:Transmit at channel 2462MHz by 802.11g	



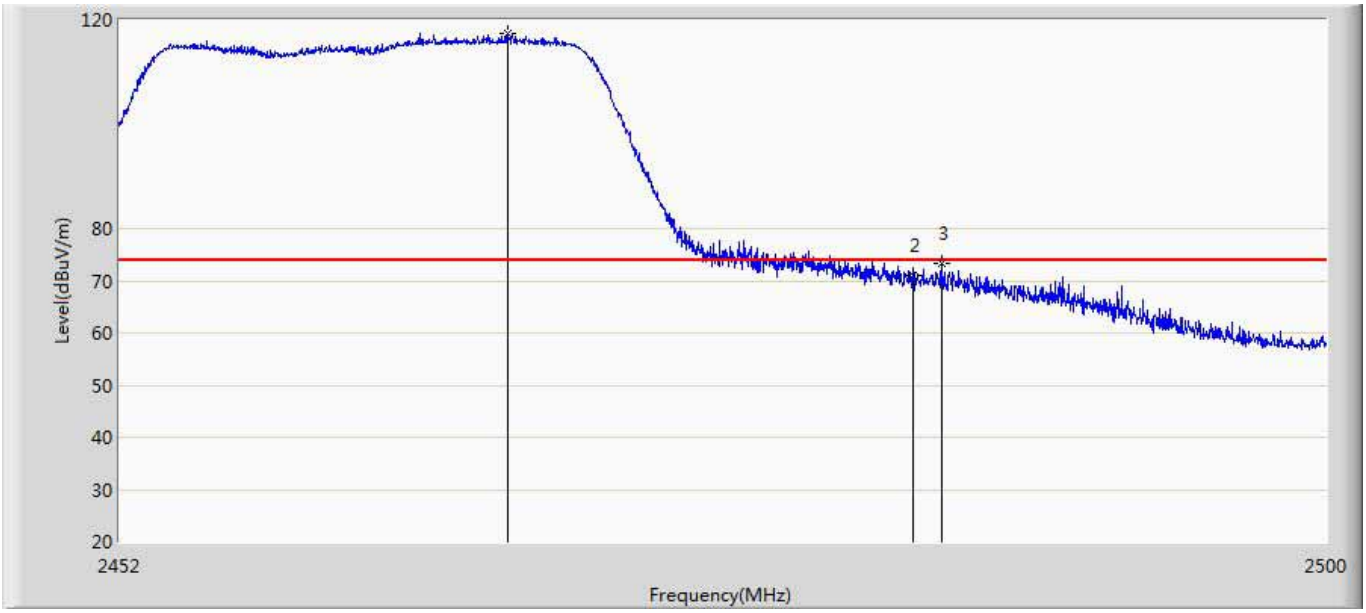
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2465.056	115.830	79.955	41.830	74.000	35.875	PK
2		2483.500	69.081	33.189	-4.919	74.000	35.891	PK

Site: AC5	Time: 2016/11/22 - 21:08
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Access Point	Power:PoE 57V
Note: Mode 2:Transmit at channel 2462MHz by 802.11g	



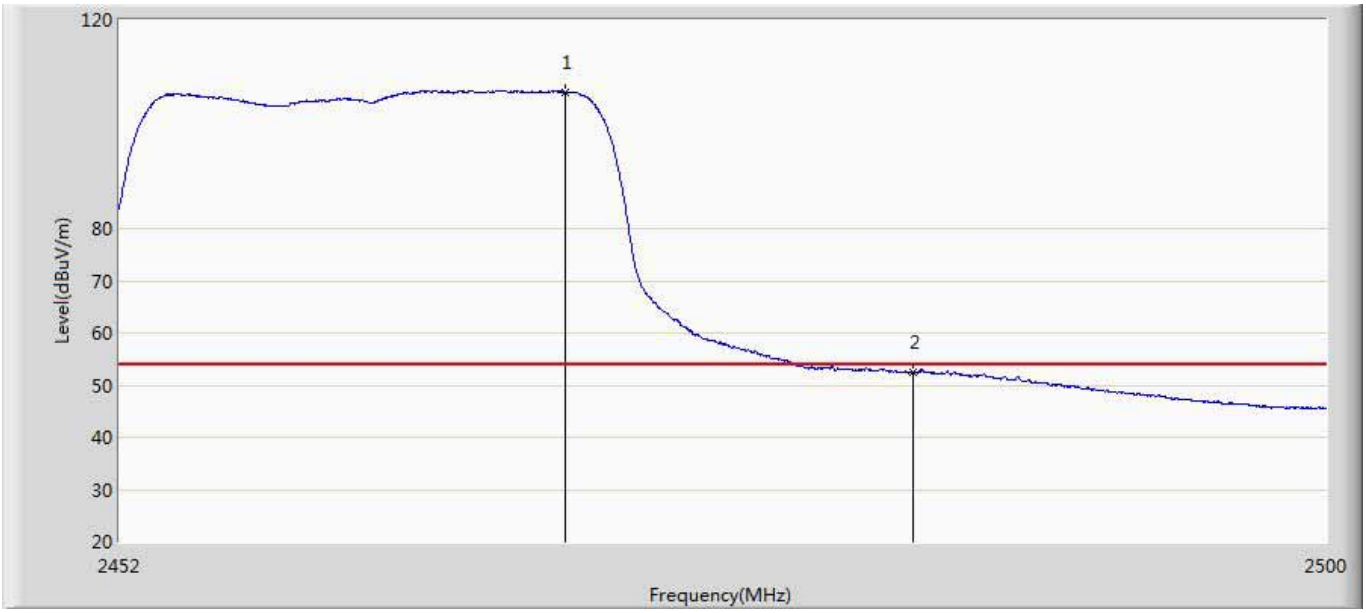
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2470.048	99.049	63.180	45.049	54.000	35.869	AV
2		2483.500	53.379	17.487	-0.621	54.000	35.891	AV

Site: AC5	Time: 2016/11/22 - 21:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Access Point	Power:PoE 57V
Note: Mode 2:Transmit at channel 2462MHz by 802.11g	



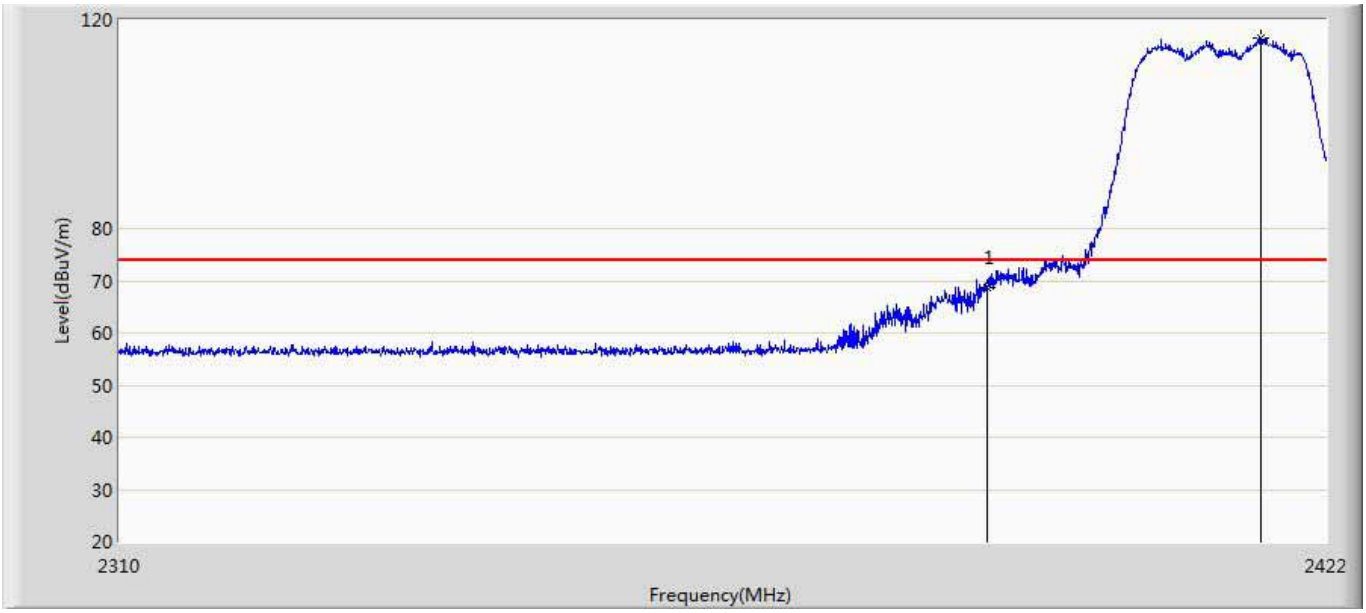
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2467.336	117.373	81.501	43.373	74.000	35.873	PK
2		2483.500	71.092	35.200	-2.908	74.000	35.891	PK
3		2484.592	73.308	37.408	-0.692	74.000	35.900	PK

Site: AC5	Time: 2016/11/22 - 21:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Access Point	Power:PoE 57V
Note: Mode 2:Transmit at channel 2462MHz by 802.11g	



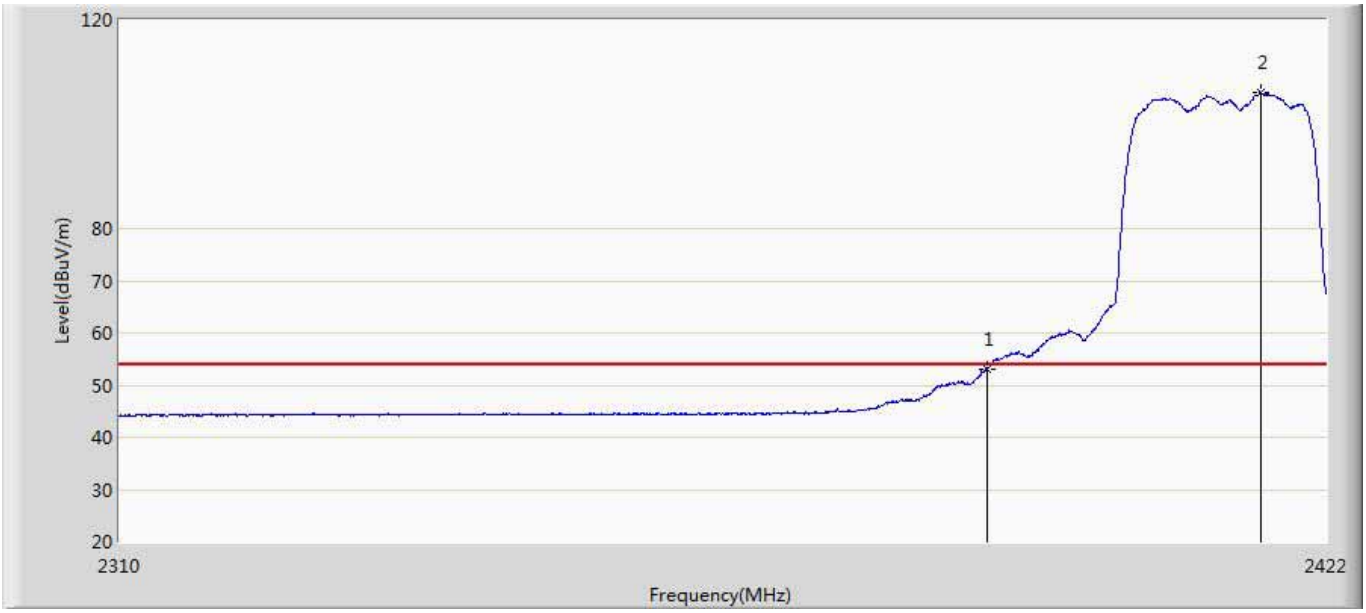
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2469.640	106.181	70.311	52.181	54.000	35.869	AV
2		2483.500	52.500	16.608	-1.500	54.000	35.891	AV

Site: AC5	Time: 2016/11/22 - 20:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Access Point	Power:PoE 57V
Note: Mode 3:Transmit at channel 2412MHz by 802.11n20	



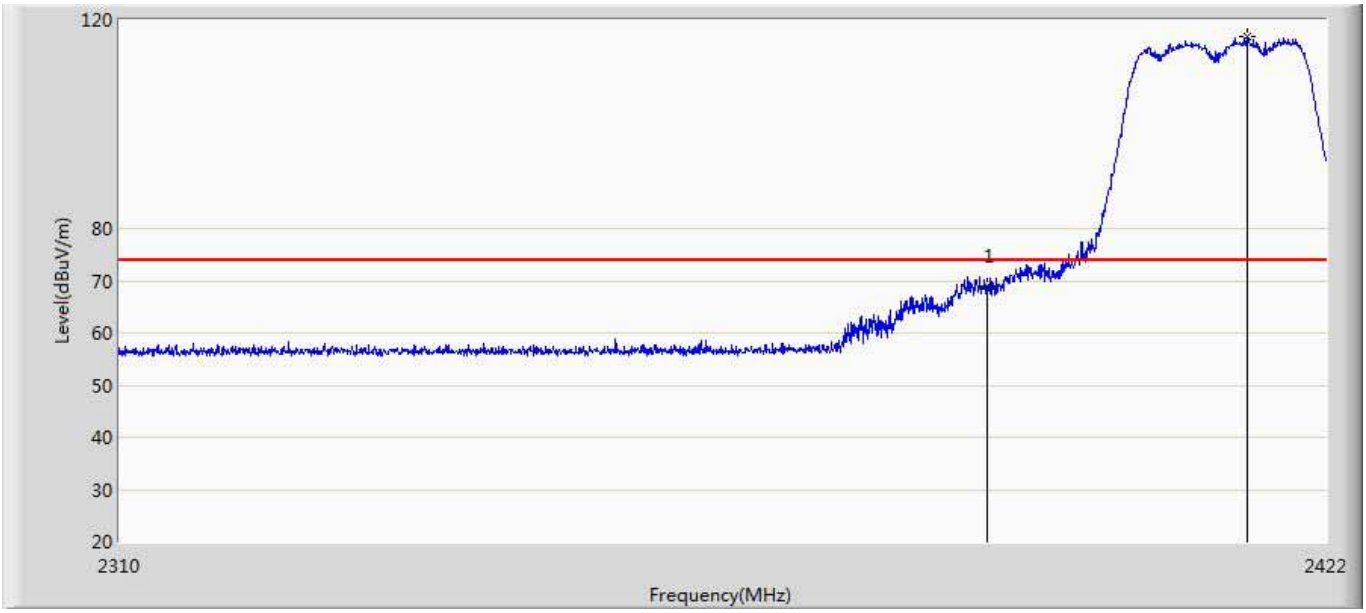
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	68.781	33.099	-5.219	74.000	35.682	PK
2	*	2415.784	116.520	80.763	42.520	74.000	35.757	PK

Site: AC5	Time: 2016/11/22 - 20:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Access Point	Power:PoE 57V
Note: Mode 3:Transmit at channel 2412MHz by 802.11n20	



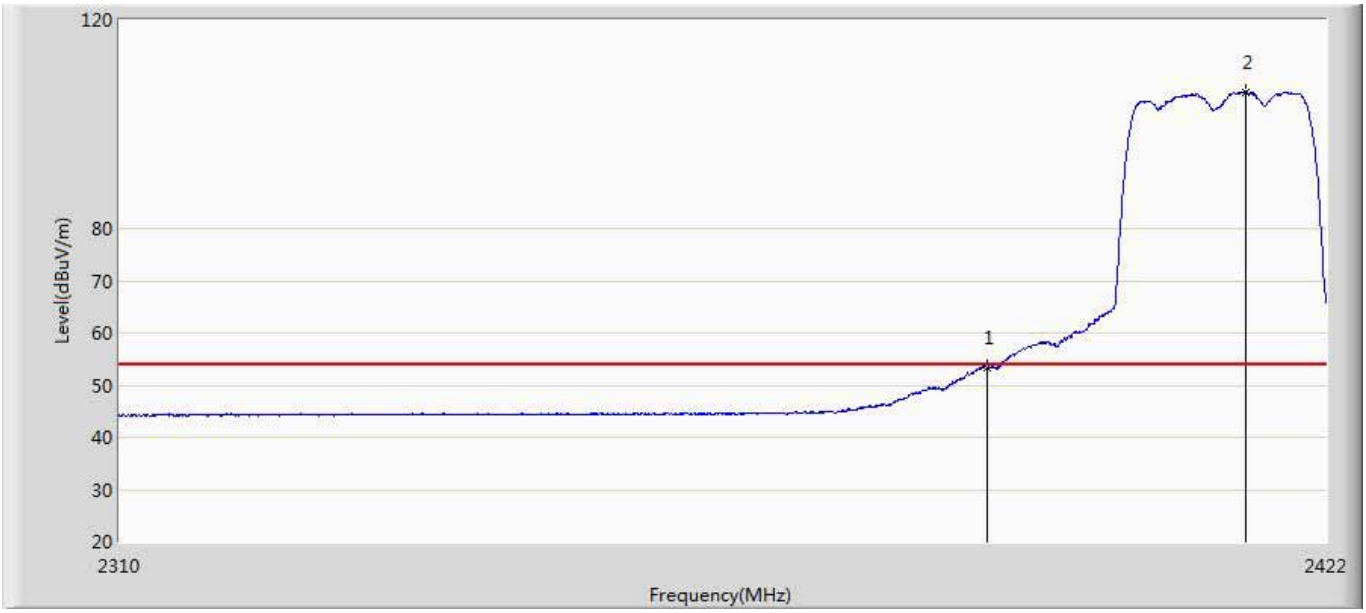
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	53.111	17.429	-0.889	54.000	35.682	AV
2	*	2415.840	106.125	70. Access Point	52.125	54.000	35.758	AV

Site: AC5	Time: 2016/11/22 - 20:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Access Point	Power:PoE 57V
Note: Mode 3:Transmit at channel 2412MHz by 802.11n20	



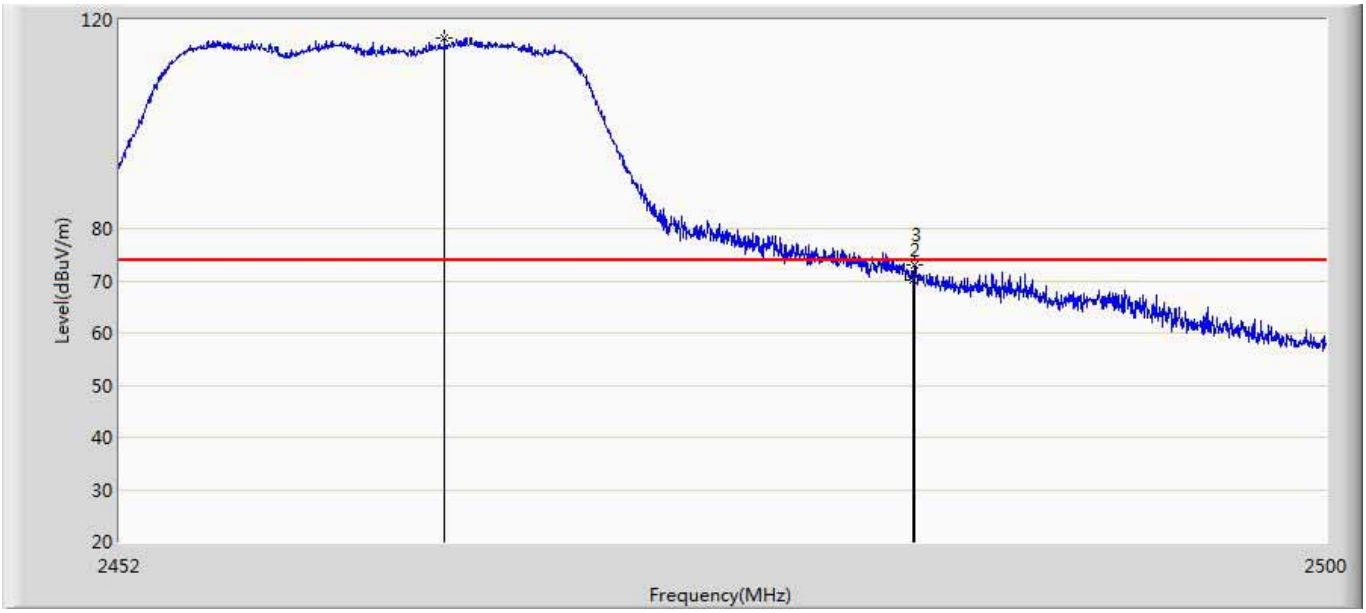
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	68.895	33.213	-5.105	74.000	35.682	PK
2	*	2414.496	116.927	81.175	42.927	74.000	35.752	PK

Site: AC5	Time: 2016/11/22 - 20:49
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Access Point	Power:PoE 57V
Note: Mode 3:Transmit at channel 2412MHz by 802.11n20	



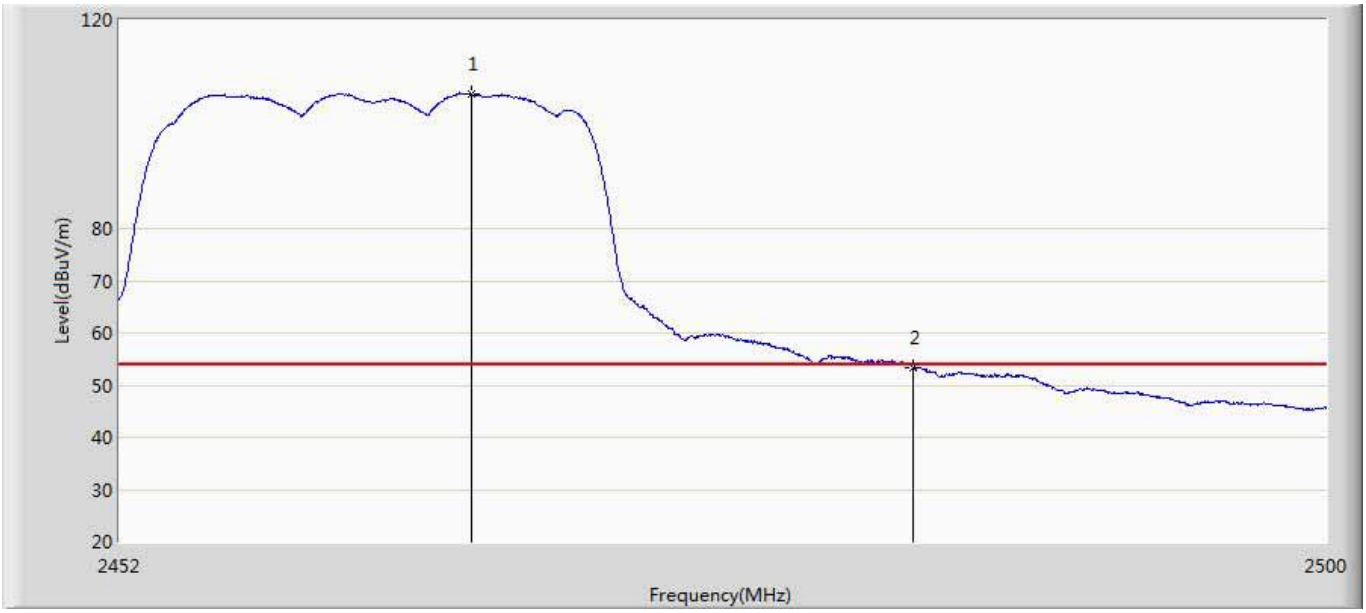
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	53.437	17.755	-0.563	54.000	35.682	AV
2	*	2414.440	106.229	70.477	52.229	54.000	35.751	AV

Site: AC5	Time: 2016/11/22 - 20:51
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Access Point	Power:PoE 57V
Note: Mode 3:Transmit at channel 2462MHz by 802.11n20	



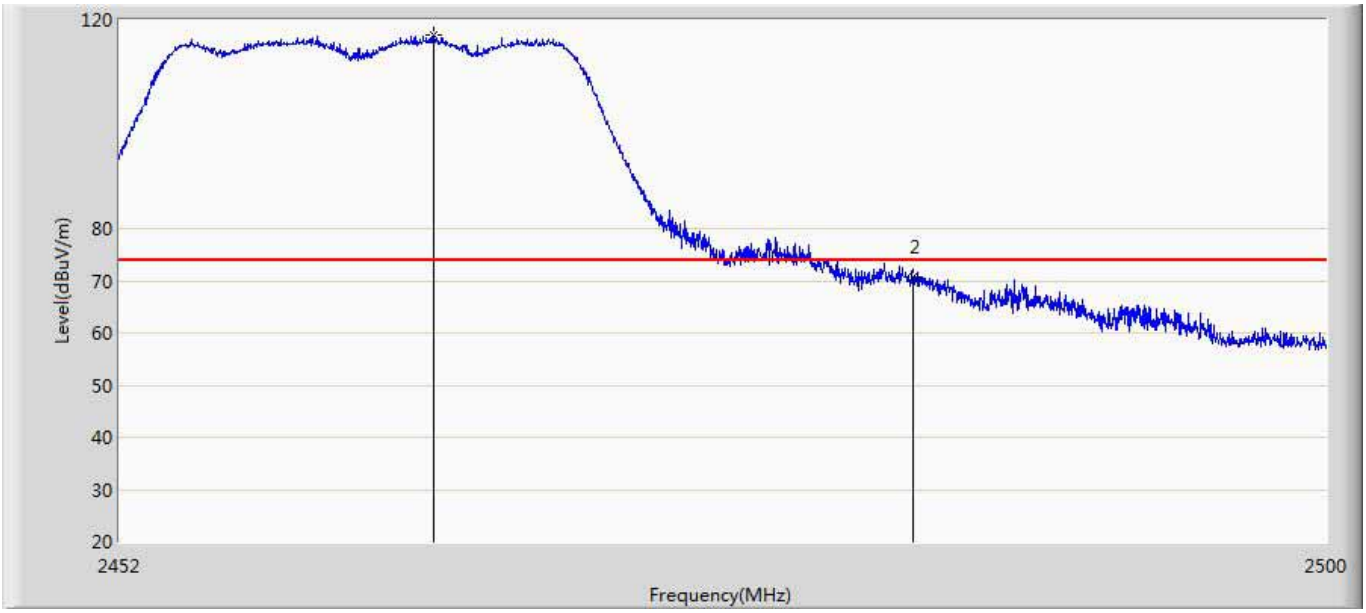
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2464.840	116.462	80.587	42.462	74.000	35.876	PK
2		2483.500	70.261	34.369	-3.739	74.000	35.891	PK
3		2483.536	72.977	37.085	-1.023	74.000	35.892	PK

Site: AC5	Time: 2016/11/22 - 20:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Access Point	Power:PoE 57V
Note: Mode 3:Transmit at channel 2462MHz by 802.11n20	



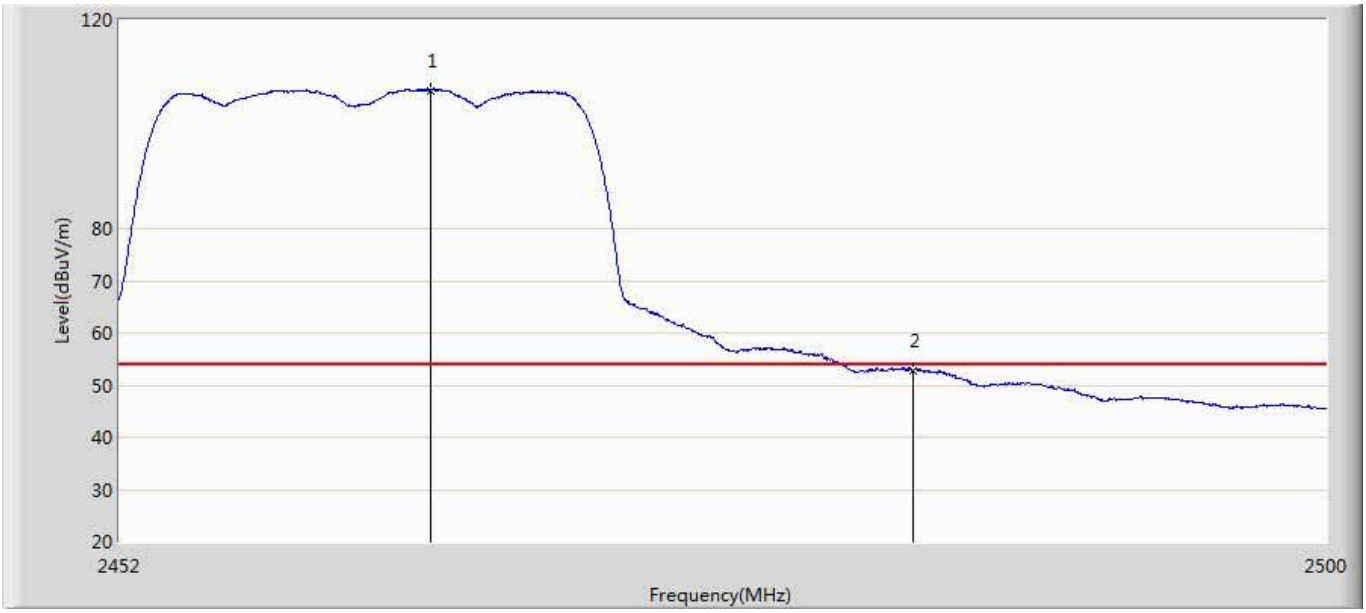
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2465.896	105.930	70.056	51.930	54.000	35.874	AV
2		2483.500	53.312	17.420	-0.688	54.000	35.891	AV

Site: AC5	Time: 2016/11/22 - 20:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Access Point	Power:PoE 57V
Note: Mode 3:Transmit at channel 2462MHz by 802.11n20	



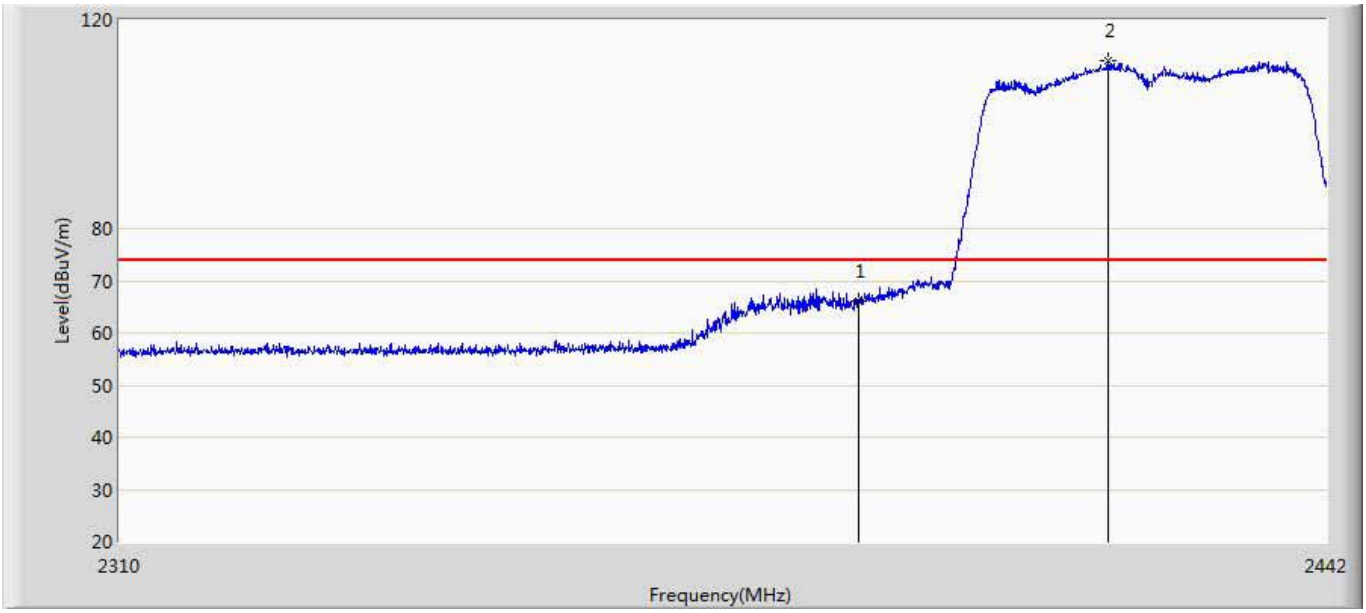
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2464.432	117.111	81.235	43.111	74.000	35.876	PK
2		2483.500	70.647	34.755	-3.353	74.000	35.891	PK

Site: AC5	Time: 2016/11/22 - 20:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Access Point	Power:PoE 57V
Note: Mode 3:Transmit at channel 2462MHz by 802.11n20	



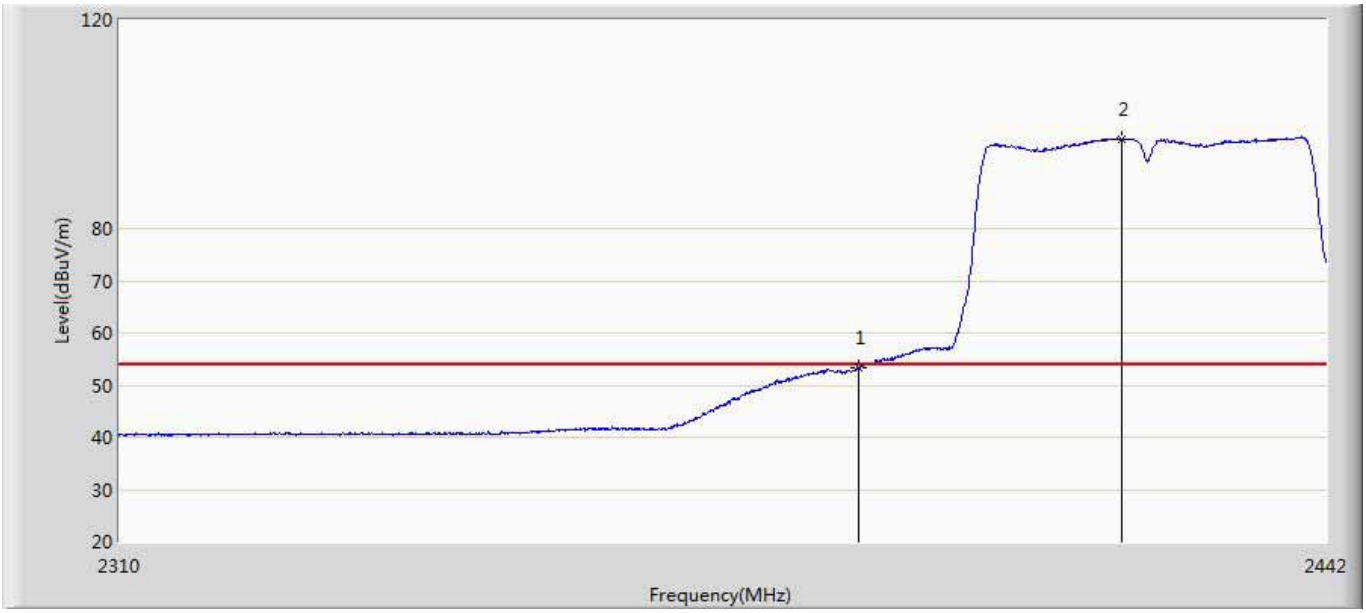
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2464.288	106.507	70.631	52.507	54.000	35.876	AV
2		2483.500	52.882	16.990	-1.118	54.000	35.891	AV

Site: AC5	Time: 2016/11/22 - 21:17
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Access Point	Power:PoE 57V
Note: Mode 4:Transmit at channel 2422MHz by 802.11n40	



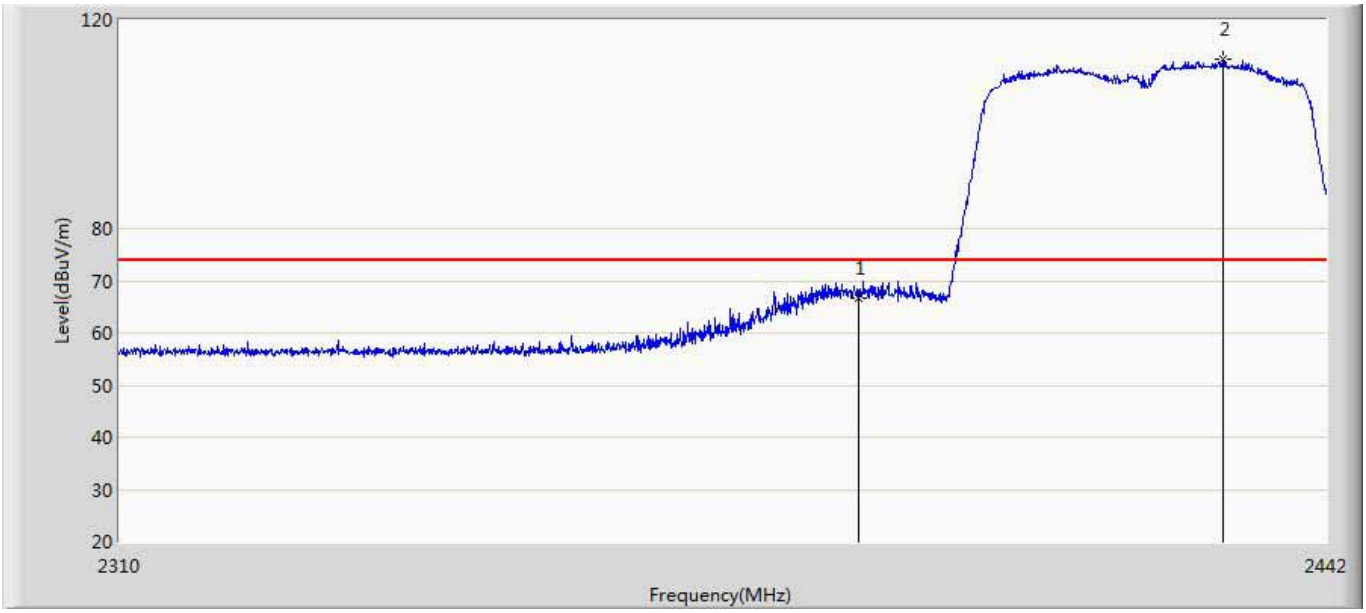
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	66.196	30.514	-7.804	74.000	35.682	PK
2	*	2417.580	112.161	76.396	38.161	74.000	35.765	PK

Site: AC5	Time: 2016/11/22 - 21:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Access Point	Power:PoE 57V
Note: Mode 4:Transmit at channel 2422MHz by 802.11n40	



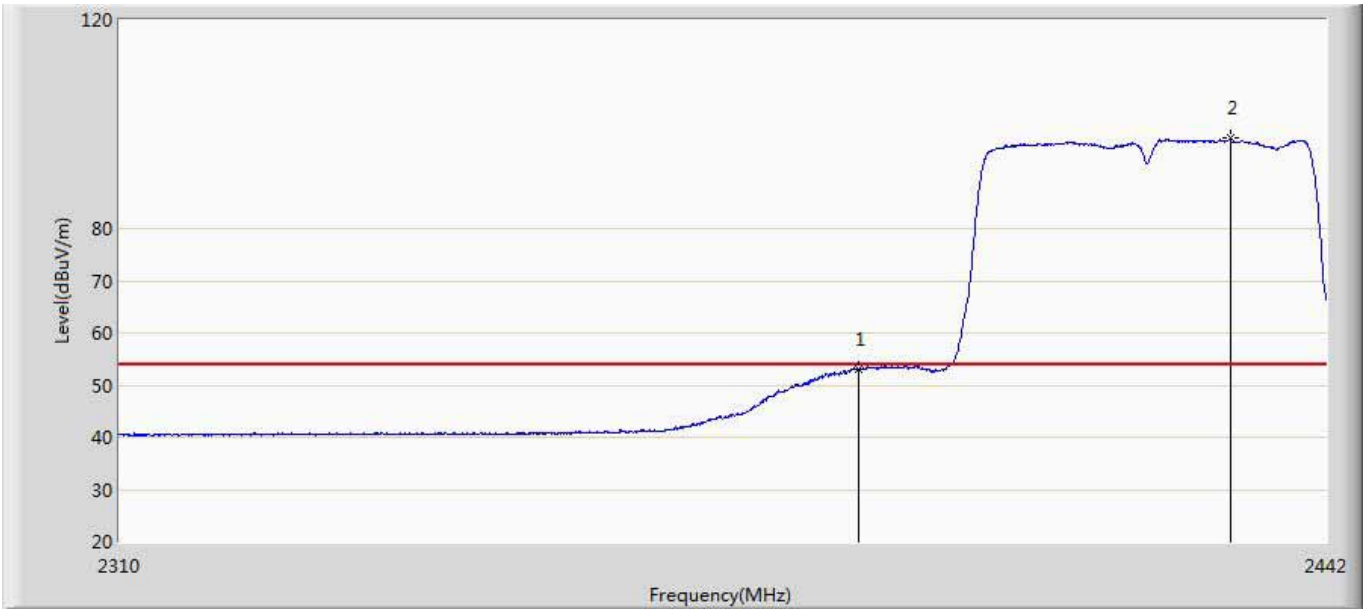
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	53.421	17.739	-0.579	54.000	35.682	AV
2	*	2419.098	97.220	61.449	43.220	54.000	35.771	AV

Site: AC5	Time: 2016/11/22 - 21:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Access Point	Power:PoE 57V
Note: Mode 4:Transmit at channel 2422MHz by 802.11n40	



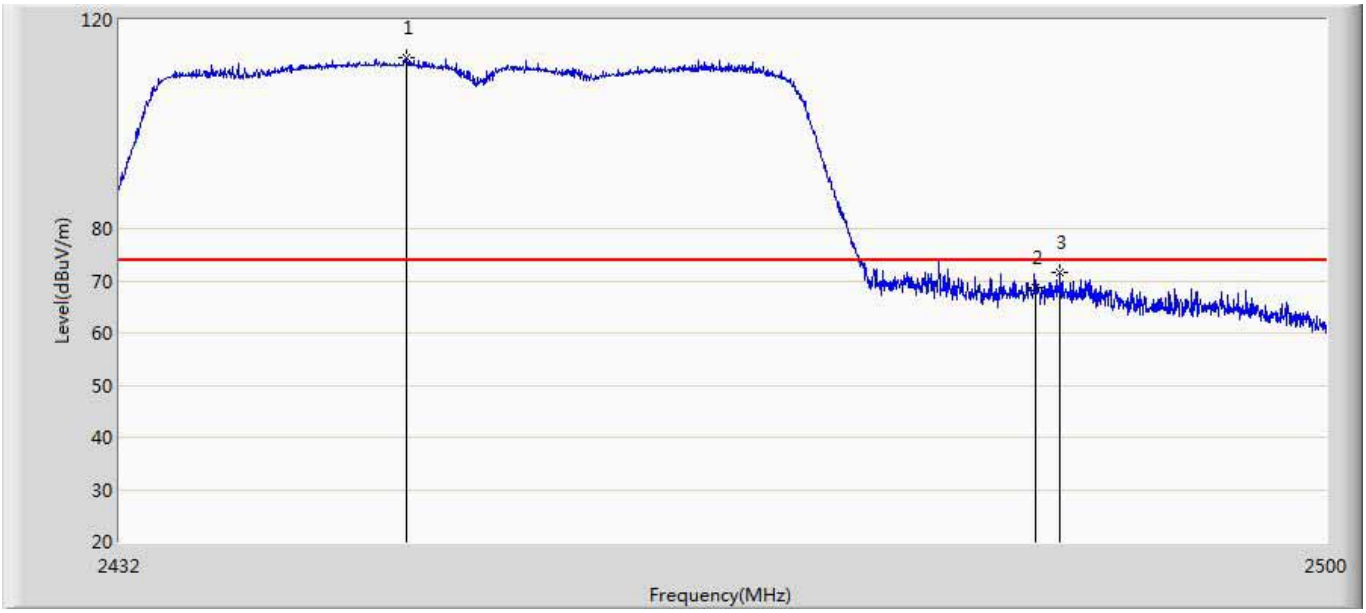
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	66.789	31.107	-7.211	74.000	35.682	PK
2	*	2430.384	112.390	76.582	38.390	74.000	35.808	PK

Site: AC5	Time: 2016/11/22 - 21:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Access Point	Power:PoE 57V
Note: Mode 4:Transmit at channel 2422MHz by 802.11n40	



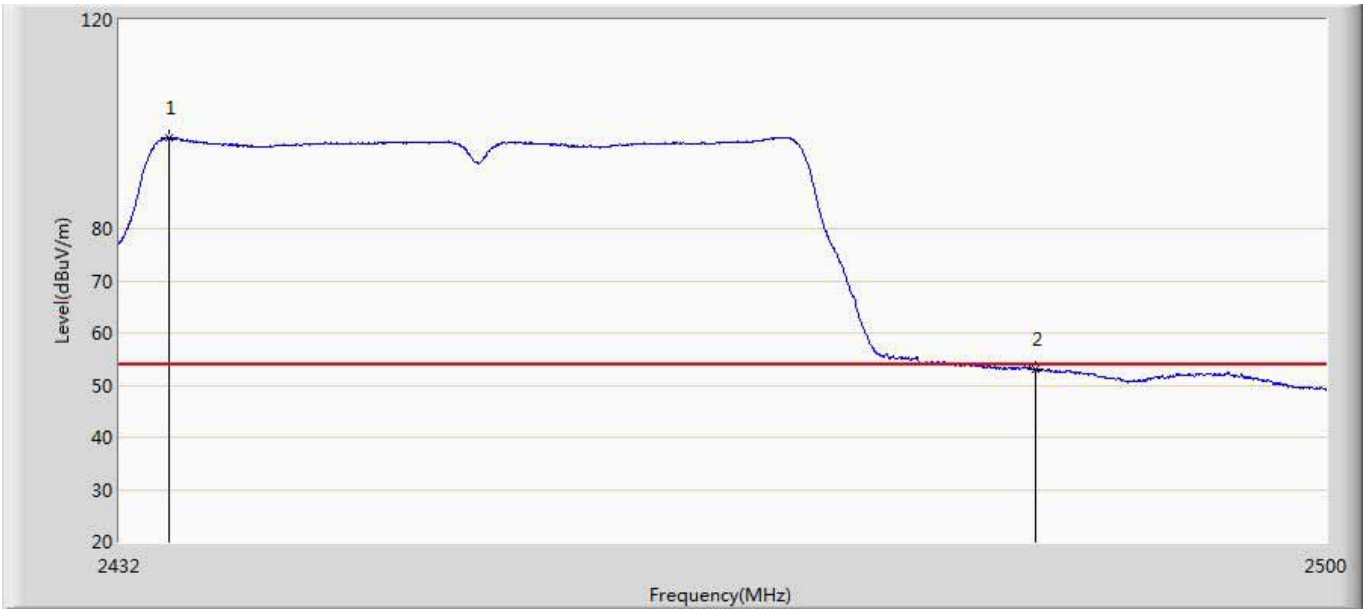
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	52.959	17.277	-1.041	54.000	35.682	AV
2	*	2431.242	97.250	61.442	43.250	54.000	35.808	AV

Site: AC5	Time: 2016/11/22 - 21:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Access Point	Power:PoE 57V
Note: Mode 4:Transmit at channel 2452MHz by 802.11n40	



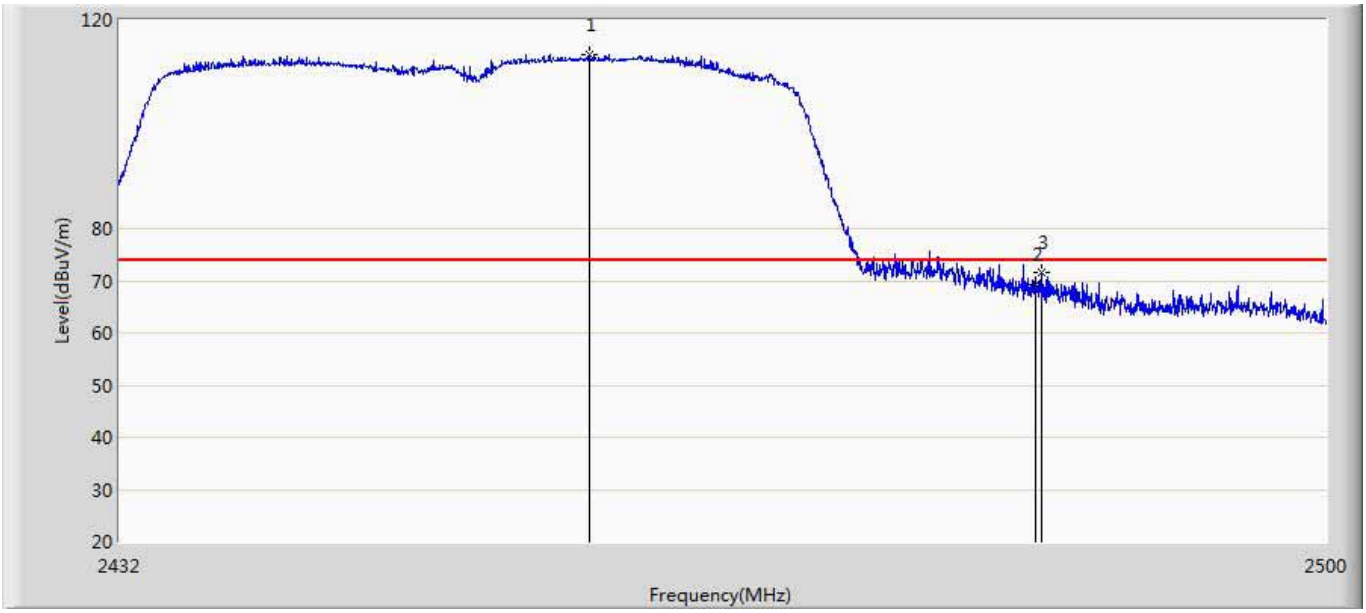
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2448.048	112.807	76.990	38.807	74.000	35.818	PK
2		2483.500	68.617	32.725	-5.383	74.000	35.891	PK
3		2484.870	71.523	35.621	-2.477	74.000	35.902	PK

Site: AC5	Time: 2016/11/22 - 21:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Access Point	Power:PoE 57V
Note: Mode 4:Transmit at channel 2452MHz by 802.11n40	



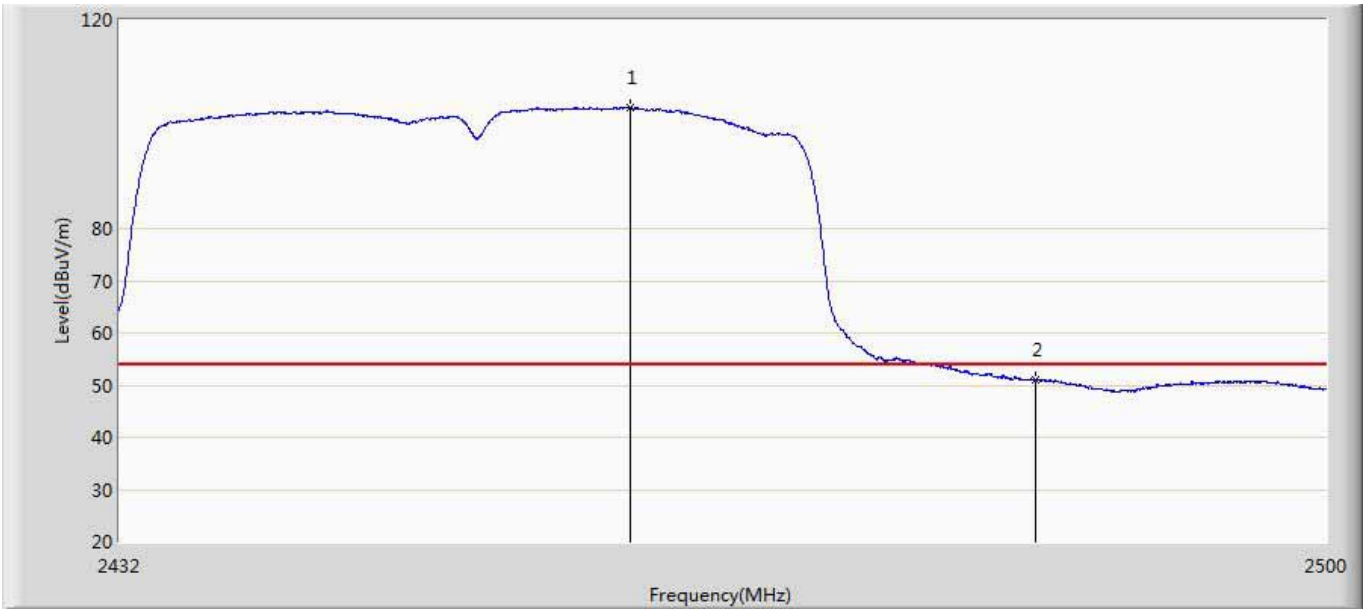
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2434.788	97.338	61.531	43.338	54.000	35.807	AV
2		2483.500	53.012	17.120	-0.988	54.000	35.891	AV

Site: AC5	Time: 2016/11/22 - 21:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Access Point	Power:PoE 57V
Note: Mode 4:Transmit at channel 2452MHz by 802.11n40	



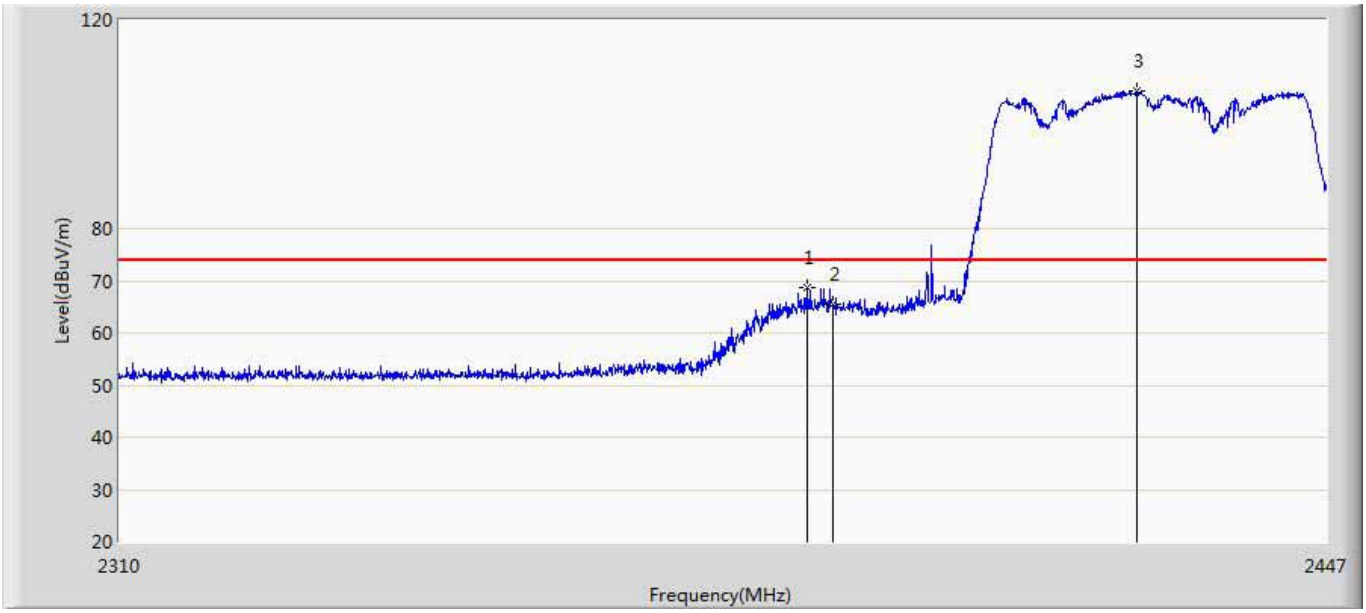
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2458.248	113.268	77.406	39.268	74.000	35.862	PK
2		2483.500	69.162	33.270	-4.838	74.000	35.891	PK
3		2483.816	71.694	35.800	-2.306	74.000	35.894	PK

Site: AC5	Time: 2016/11/22 - 21:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Access Point	Power:PoE 57V
Note: Mode 4:Transmit at channel 2452MHz by 802.11n40	



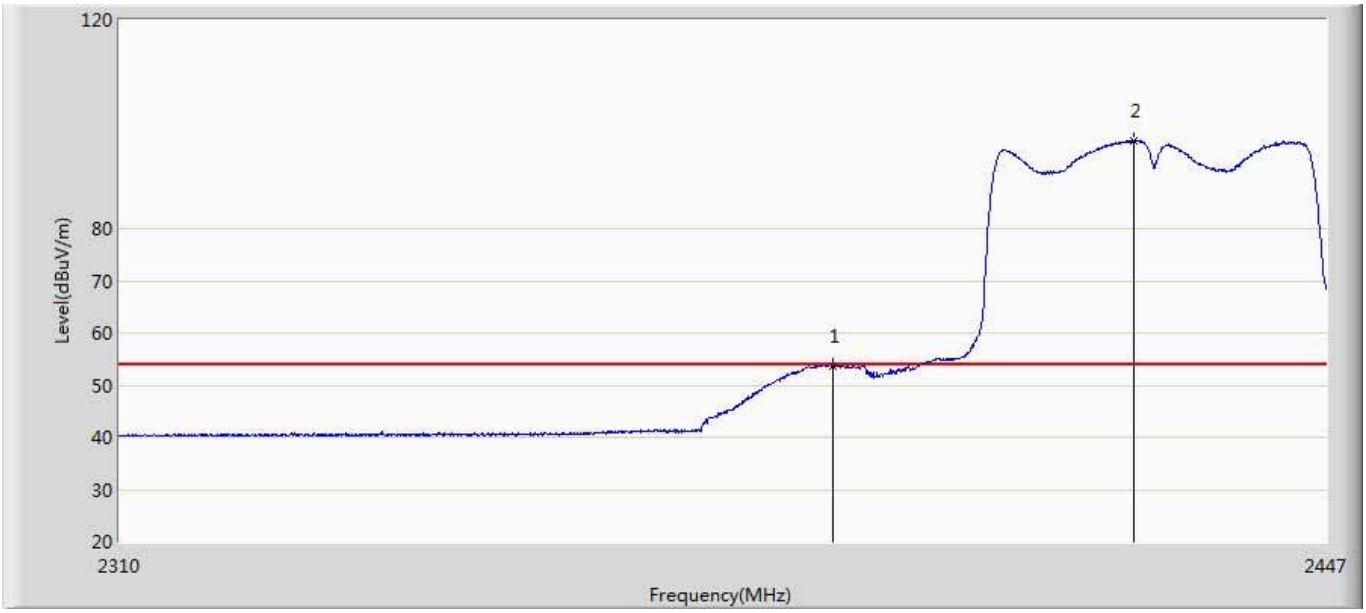
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2460.560	103.259	67.387	49.259	54.000	35.872	AV
2		2483.500	50.928	15.036	-3.072	54.000	35.891	AV

Site: AC5	Time: 2017/01/17 - 11:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: PoE 57V
Note: Mode 4:Transmit at channel 2427MHz by 802.11n40	



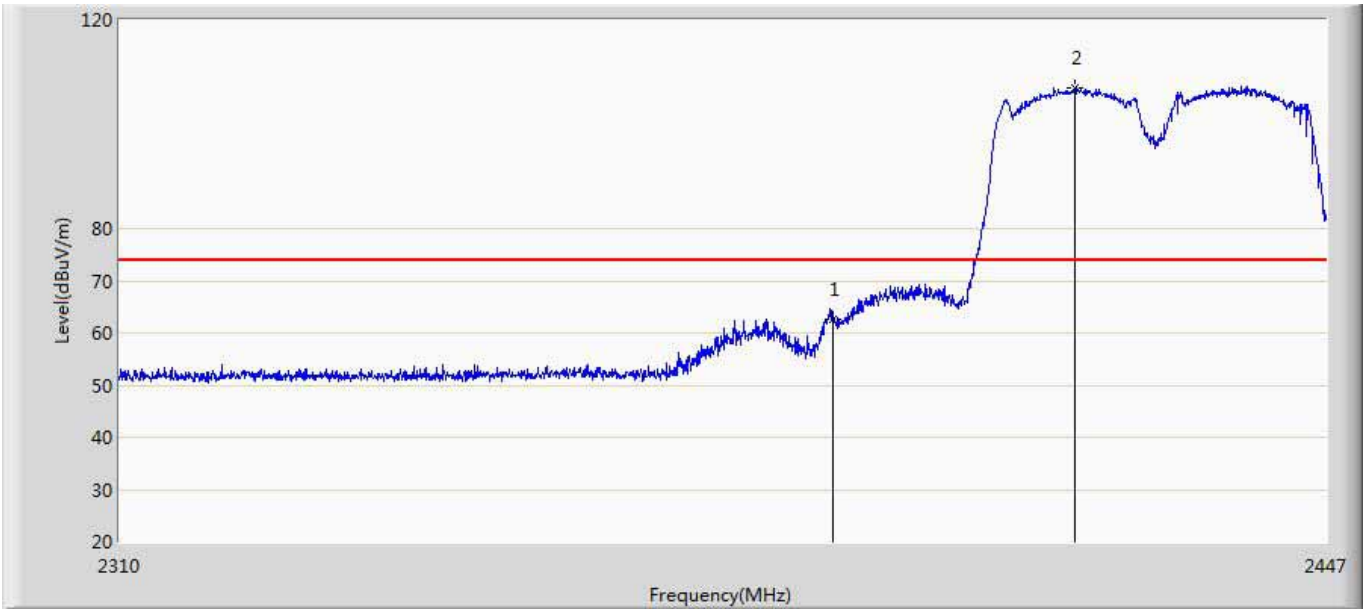
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2387.131	68.620	32.945	-5.380	74.000	35.676	PK
2		2390.000	65.438	29.756	-8.562	74.000	35.682	PK
3	*	2425.080	106.511	70.715	32.511	74.000	35.796	PK

Site: AC5	Time: 2017/01/17 - 12:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: PoE 57V
Note: Mode 4:Transmit at channel 2427MHz by 802.11n40	



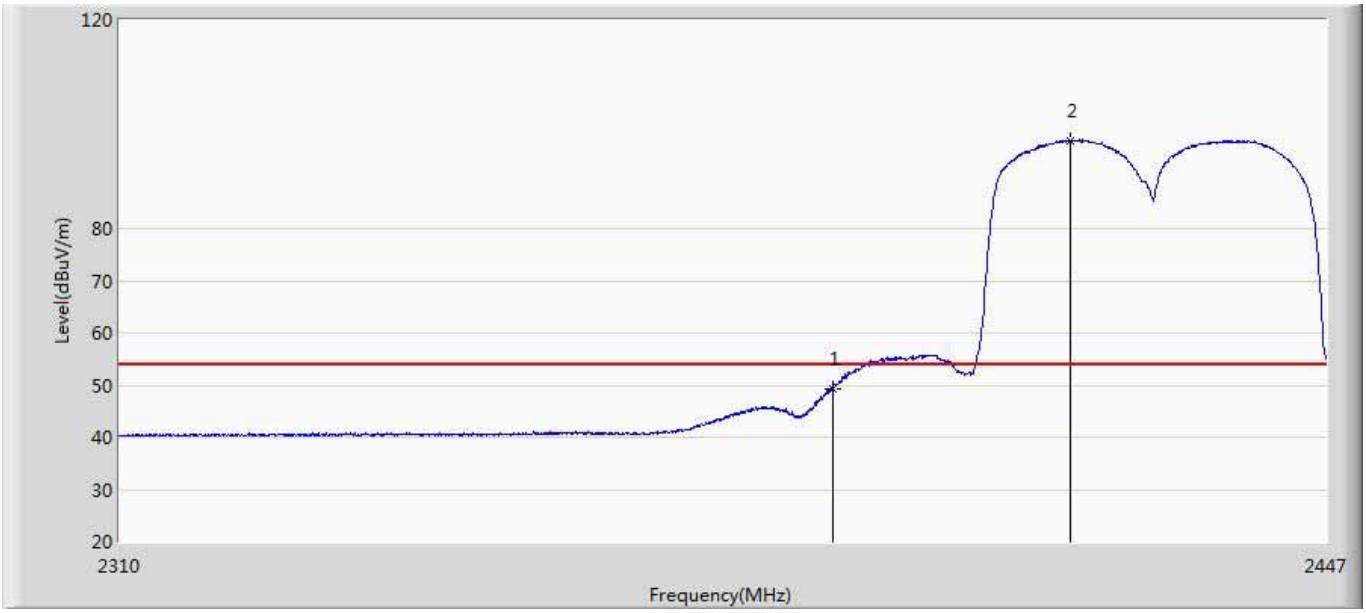
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	53.657	17.975	-0.343	54.000	35.682	AV
2	*	2424.738	96.899	61.104	42.899	54.000	35.795	AV

Site: AC5	Time: 2017/01/17 - 11:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: PoE 57V
Note: Mode 4:Transmit at channel 2427MHz by 802.11n40	



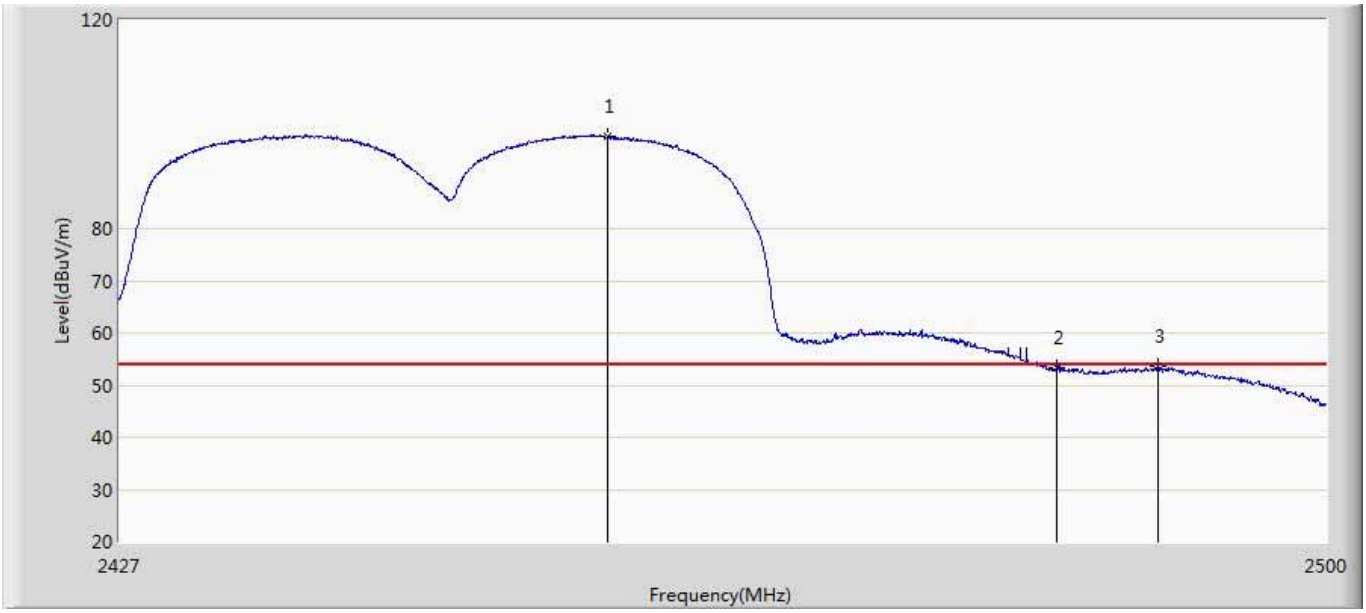
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	62.629	26.947	-11.371	74.000	35.682	PK
2	*	2417.887	107.000	71.234	33.000	74.000	35.767	PK

Site: AC5	Time: 2017/01/17 - 11:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: PoE 57V
Note: Mode 4:Transmit at channel 2427MHz by 802.11n40	



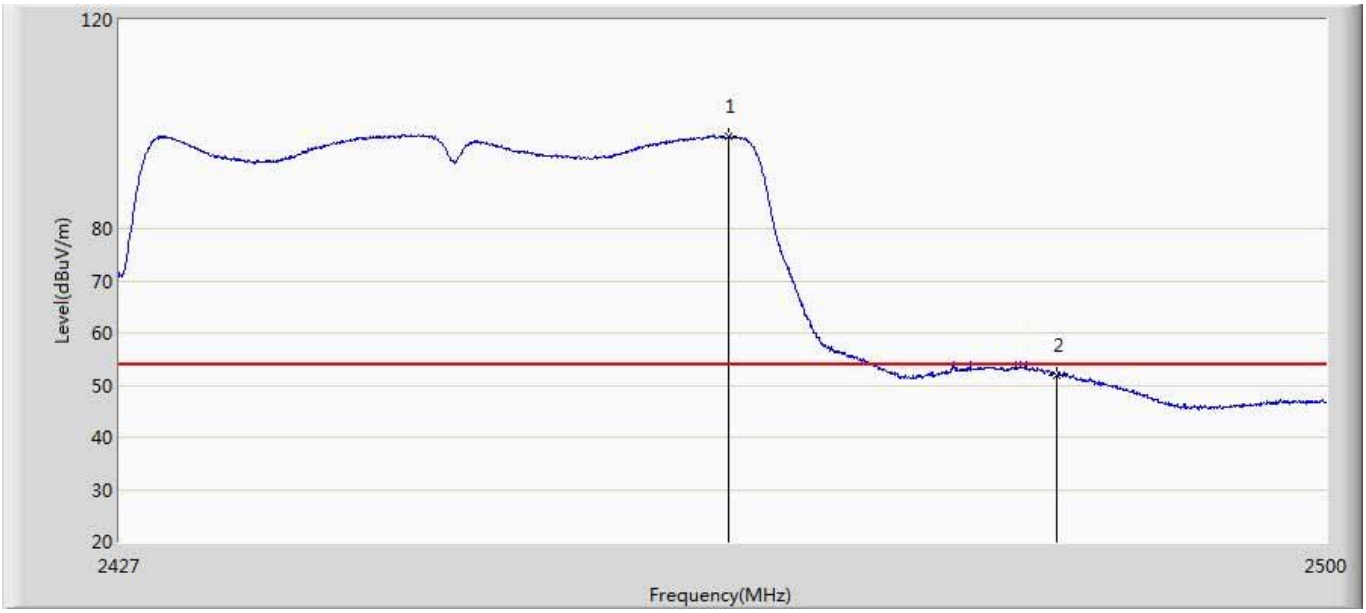
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2390.000	49.330	13.648	-4.670	54.000	35.682	AV
2	*	2417.340	96.880	61.116	42.880	54.000	35.764	AV

Site: AC5	Time: 2017/01/18 - 09:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: PoE 57V
Note: Mode 4:Transmit at channel 2447MHz by 802.11n40	



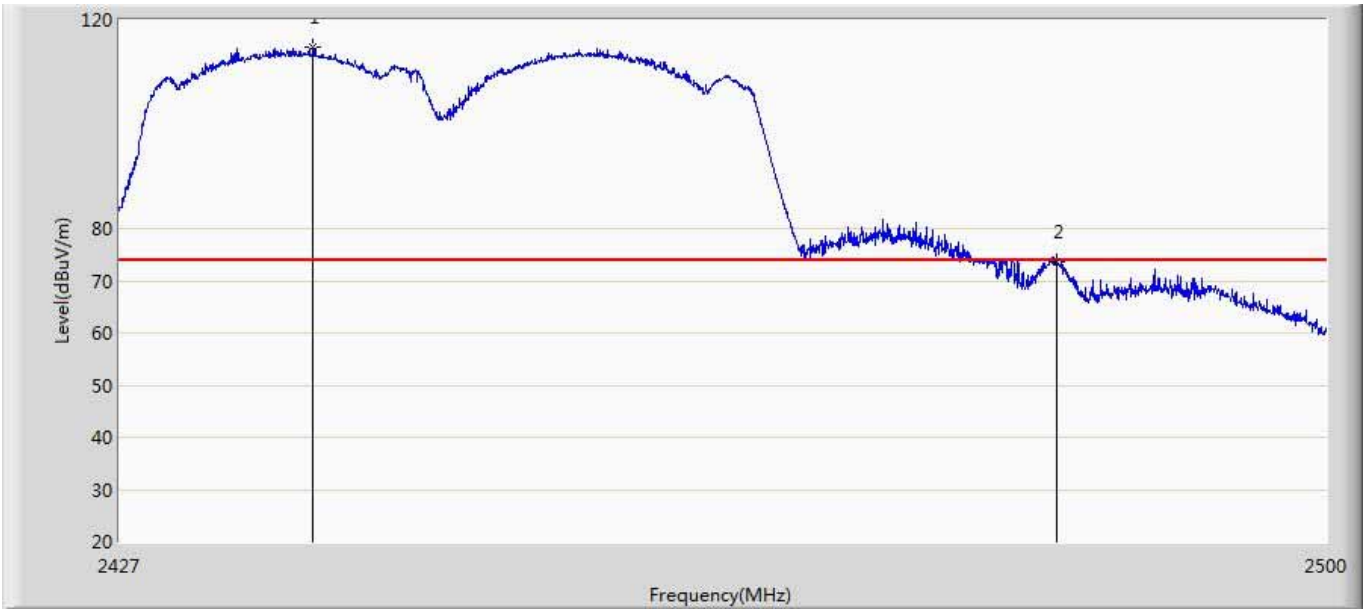
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2456.310	97.818	61.965	43.818	54.000	35.853	AV
2		2483.500	53.269	17.377	-0.731	54.000	35.891	AV
3		2489.707	53.504	17.568	-0.496	54.000	35.937	AV

Site: AC5	Time: 2017/01/18 - 09:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: PoE 57V
Note: Mode 4:Transmit at channel 2447MHz by 802.11n40	



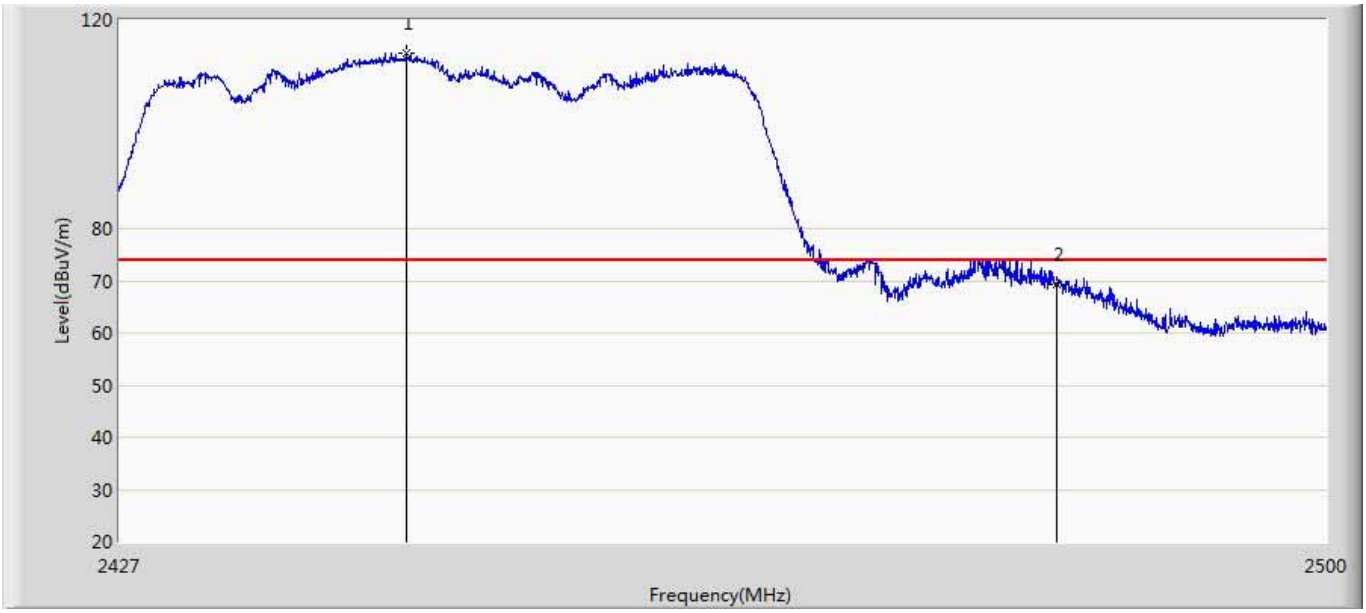
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2463.573	97.585	61.708	43.585	54.000	35.877	AV
2		2483.500	52.017	16.125	-1.983	54.000	35.891	AV

Site: AC5	Time: 2017/01/18 - 09:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: Wireless Access Point	Power: PoE 57V
Note: Mode 4:Transmit at channel 2447MHz by 802.11n40	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2438.571	114.882	79.076	40.882	74.000	35.805	PK
2		2483.500	73.666	37.774	-0.334	74.000	35.891	PK

Site: AC5	Time: 2017/01/18 - 09:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: Wireless Access Point	Power: PoE 57V
Note: Mode 4:Transmit at channel 2447MHz by 802.11n40	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2444.228	113.551	77.747	39.551	74.000	35.804	PK
2		2483.500	69.335	33.443	-4.665	74.000	35.891	PK

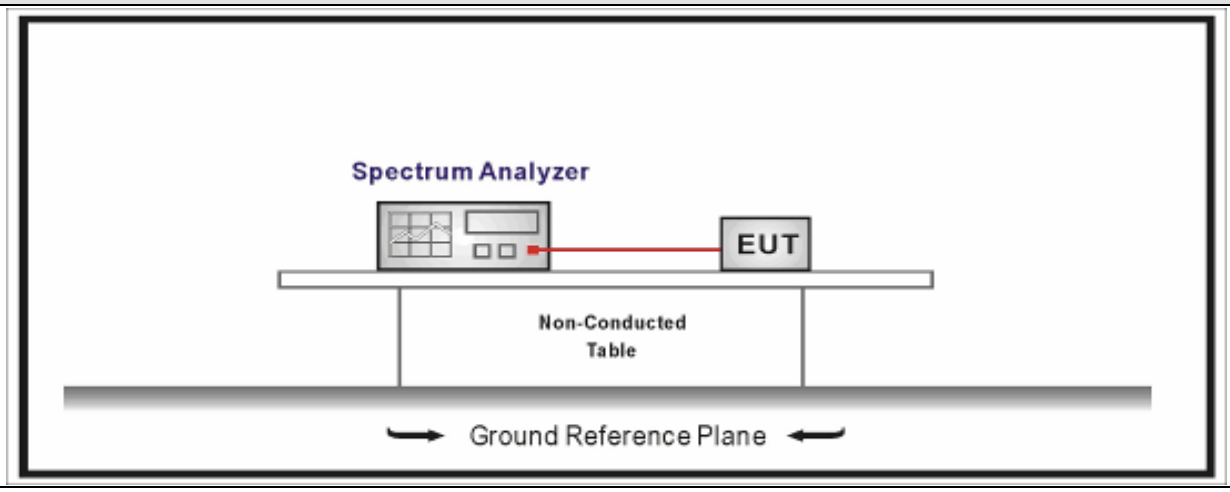
7. Occupied Bandwidth

7.1. Test Equipment

Occupied Bandwidth / TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2016.02.04	2017.02.03
EXA Spectrum Analyzer	Keysight	N9010A	MY55370495	2016.04.09	2017.04.08
MXA Signal Anlyzer	Keysight	N9020A	MY56060147	2016.04.09	2017.04.08
Temperature/Humidity Meter	zhichen	ZC1-2	TR8-TH	2016.04.10	2017.04.09
Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.					

7.2. Test Setup

Occupied Bandwidth test setup:



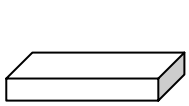
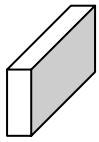
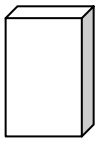
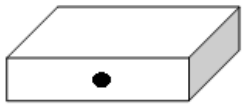
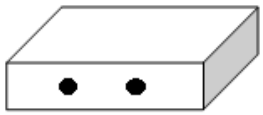
7.3. Limit

Occupied Bandwidth
Systems using digital modulation techniques operate in the2400-2483.5 MHz .The minimum 6 dB bandwidth shall be at least 500 kHz

7.4. Test Procedure

Test Method				
	Reference Rule		Chapter	Description
☒	ANSI C63.10		11.8	DTS bandwidth
	☐	ANSI C63.10	11.8.1	Option 1
	☒	ANSI C63.10	11.8.2	Option 2

7.5. EUT test definition

<table>
<tr><td>Item</td><td colspan="4">Occupied Bandwidth</td></tr>
<tr><td rowspan="2">Device Category</td><td>☒</td><td colspan="3">Fixed position use</td></tr>
<tr><td>☐</td><td colspan="3">Mobile position use</td></tr>
<tr><td>Test mode</td><td colspan="4">Mode 1~4</td></tr>
<tr><td rowspan="13">Test method</td><td>☐</td><td colspan="3">Radiated</td></tr>
<tr><td rowspan="3"></td><td>X Axis</td><td>Y Axis</td><td>Z Axis</td></tr>
<tr><td>  </td><td>  </td><td>  </td></tr>
<tr><td>Worst Axis ☐</td><td>Worst Axis ☐</td><td>Worst Axis ☐</td></tr>
<tr><td>☒</td><td colspan="3">Conducted</td></tr>
<tr><td>☐</td><td colspan="3">Chain 1</td></tr>
<tr><td></td><td colspan="3">  </td></tr>
<tr><td>☒</td><td>Chain 1</td><td colspan="2">Chain 2</td></tr>
<tr><td></td><td colspan="3">  </td></tr>
<tr><td>☐</td><td>Chain 1</td><td>Chain 2</td><td>Chain 3</td></tr>
<tr><td></td><td colspan="3">  </td></tr>
</table>

7.6. Test Result

Product Name	:	Access Point	Power	:	PoE 57V
Test Mode	:	Mode1~4	Test Site	:	TR8
Mode No.	:	APEX0365	Test Date	:	2016.12.10

Mode	CH.	Test Freq. (MHz)	99% Occupied Bandwidth (MHz)		6dB Occupied Bandwidth (MHz)		Limit (kHz)	Result
			Ant0	Ant1	Ant0	Ant1		
1	01	2412	13.358	13.154	8.068	8.575	>500	Pass
1	06	2437	13.524	13.206	8.113	9.090	>500	Pass
1	11	2462	13.466	13.186	8.578	9.057	>500	Pass
2	01	2412	16.353	16.386	16.36	16.37	>500	Pass
2	06	2437	16.363	16.386	16.40	16.39	>500	Pass
2	11	2462	16.371	16.394	16.36	16.37	>500	Pass
3	01	2412	17.575	17.578	17.59	17.59	>500	Pass
3	06	2437	17.585	17.583	17.61	17.60	>500	Pass
3	11	2462	17.590	17.581	17.62	17.59	>500	Pass
4	03	2422	35.857	36.229	34.03	36.45	>500	Pass
4	06	2437	35.839	36.158	35.20	36.48	>500	Pass
4	09	2452	35.866	36.207	34.24	36.48	>500	Pass

Note : The worst case of Occupied Bandwidth as below:

Mode 1 CH01 (2412MHz) Ant0

Product Name	:	Access Point	Power	:	PoE 57V
Test Mode	:	Mode1~4	Test Site	:	TR8
Mode No.	:	APEX0367	Test Date	:	2016.12.10

Mode	CH.	Test Freq. (MHz)	99% Occupied Bandwidth (MHz)		6dB Occupied Bandwidth (MHz)		Limit (kHz)	Result
			Ant0	Ant1	Ant0	Ant1		
1	01	2412	13.296	13.306	8.570	8.107	>500	Pass
1	06	2437	13.207	13.185	8.091	8.073	>500	Pass
1	11	2462	13.128	13.134	8.568	8.086	>500	Pass
2	01	2412	16.346	16.361	16.37	16.39	>500	Pass
2	06	2437	16.347	16.353	16.36	16.36	>500	Pass
2	11	2462	16.358	16.357	16.38	16.37	>500	Pass
3	01	2412	17.567	17.578	17.61	17.58	>500	Pass
3	06	2437	17.578	17.581	17.62	17.60	>500	Pass
3	11	2462	17.581	17.582	17.60	17.60	>500	Pass
4	03	2422	35.801	35.828	35.40	35.31	>500	Pass
4	06	2437	35.831	35.851	33.95	35.71	>500	Pass
4	09	2452	35.862	35.854	35.40	33.98	>500	Pass

Note : The worst case of Occupied Bandwidth as below:

Mode 1 CH06 (2437MHz) Ant1

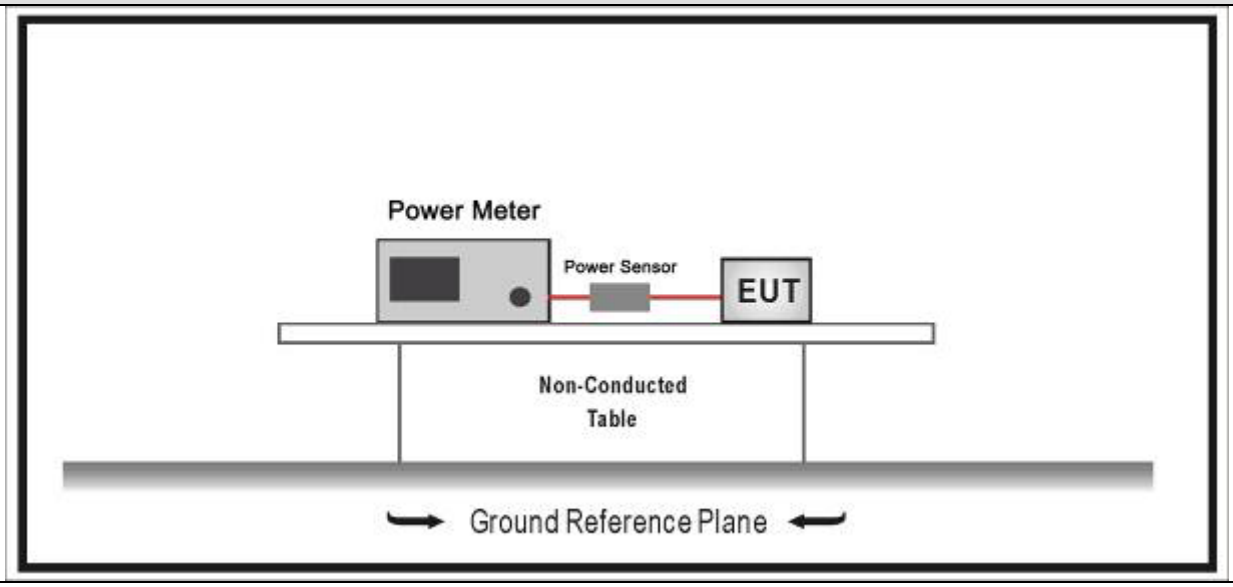
8. Fundamental emission output power

8.1. Test Equipment

Fundamental emission output power/ TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2017.01.03	2018.01.02
Spectrum Analyzer	Agilent	N9010A	MY48030494	2016.02.04	2017.02.03
Wideband Peak Power Meter	Anritsu	ML2495A	0905006	2016.10.14	2017.10.13
Power Sensor	Anritsu	MA2411B	0846014	2016.10.14	2017.10.13
Temperature/Humidity Meter	zhicheng	ZC1-2	TR8-TH	2016.04.10	2017.04.09
Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.					

8.2. Test Setup

Fundamental emission output power test setup



8.3. Limit

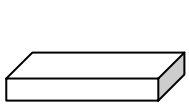
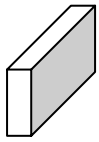
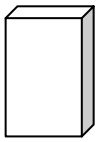
Fundamental emission output power Limit			
☒	G_{TX} ＜6dBi		P_{out}≤30dBm
☒	G_{TX} ＞6dBi		
	☒	Non-Fix point-point	P_{out}≤30-(G_{TX} -6)
	☐	Fix point-point	P_{out}≤30-[(G_{TX}-6)]/3
	☐	emits multiple directional beams but does not do emit multiple directional beams simultaneously	P_{out}≤30-[(G_{TX}-6)]/3
	☐	operates simultaneously on multiple directional beams using the same or different frequency channels	P_{out}≤30-[(G_{TX}-6)]/3+8dB
	☐	single directional beam	P_{out}≤30-[(G_{TX}-6)]/3
Note 1 : G_{TX} directional gain of transmitting antennas. Note 2 : P_{out} is maximum peak conducted output power .			

8.4. Test Procedure

Fundamental emission output power Test Method						
	References Rule				Chapter	Description
☒	ANSI C63.10				11.9	Fundamental emission output power
	☐	ANSI C63.10			11.9.1	Maximum peak conducted output power
		☐	ANSI C63.10		11.9.1.1	RBW ≥ DTS bandwidth
		☐	ANSI C63.10		11.9.1.2	Integrated band power method
		☐	ANSI C63.10		11.9.1.3	PKPM1 Peak power meter method
	☒	ANSI C63.10			11.9.2	Maximum conducted (average) output power
		☐	ANSI C63.10		11.9.2.2	Measurement using a spectrum analyzer (SA)
			☐	ANSI C63.10	11.9.2.2.2	Method AVGSA-1(Duty cycle≥98%)
			☐	ANSI C63.10	11.9.2.2.3	Method AVGSA-1A(Duty cycle≥98%)
			☐	ANSI C63.10	11.9.2.2.4	Method AVGSA-2(Duty cycle≤98%)
			☐	ANSI C63.10	11.9.2.2.5	Method AVGSA-2A(Duty cycle≤98%)
			☐	ANSI C63.10	11.9.2.2.4	Method AVGSA-3
			☐	ANSI C63.10	11.9.2.2.5	Method AVGSA-3A
		☒	ANSI C63.10		11.9.2.3	Measurement using a power meter (PM)
			☐	ANSI C63.10	11.9.2.3.1	Method AVGPM
			☒	ANSI C63.10	11.9.2.3.2	Method AVGPM-G

Directional Gain Calculations for In-Band test method				
	References Rule		Chapter	Description
☐	KDB 662911		F2)a)	Basic methodology with NANT transmit antennas
	☐	KDB 662911	F2)a) (i)	transmit signals are correlated
	☐	KDB 662911	F2)a) (ii)	transmit signals are uncorrelated
☐	KDB 662911		F2)b)	Sectorized antenna systems.
☒	KDB 662911		F2)c)	Cross-polarized antennas
	☒	KDB 662911	F2)c) (i)	Cross-polarized antennas with NANT = 2.
	☐	KDB 662911	F2)c) (ii)	Multiple antennas
☐	KDB 662911		F2)d)	Sectorized antenna systems.
	☐	KDB 662911	F2)d) (i)	transmit signals are correlated
	☐	KDB 662911	F2)d) (ii)	transmit signals are uncorrelated
☐	KDB 662911		F2)e)	Spatial Multiplexing
	☐	KDB 662911	F2)e) (i)	Antennas have the same gain
	☐	KDB 662911	F2)e) (ii)	Antenna have the different gain with one spatial stream
	☐	KDB 662911	F2)e) (iii)	Antenna have the different gain with more than one spatial stream
☐	KDB 662911		F2)f)	Cyclic Delay Diversity (CDD)
	☐	KDB 662911	F2)f) (i)	Antennas have the same gain
	☐	KDB 662911	F2)f) (ii)	Antenna have the different gain with one spatial stream
	☐	KDB 662911	F2)f) (ii)	Antenna have the different gain with more than one spatial stream

8.5. EUT test definition

<table>
<tr><td>Item</td><td colspan="4">Fundamental emission output power</td></tr>
<tr><td rowspan="2">Device Category</td><td>☒</td><td colspan="3">Fixed position use</td></tr>
<tr><td>☐</td><td colspan="3">Mobile position use</td></tr>
<tr><td>Test mode</td><td colspan="4">Mode 1~4</td></tr>
<tr><td rowspan="12">Test method</td><td>☐</td><td colspan="3">Radiated</td></tr>
<tr><td rowspan="3"></td><td>X Axis</td><td>Y Axis</td><td>Z Axis</td></tr>
<tr><td>  </td><td>  </td><td>  </td></tr>
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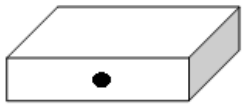
<tr><td>☒</td><td colspan="3">Conducted</td></tr>
<tr><td>☐</td><td colspan="3">Chain 1</td></tr>
<tr><td></td><td colspan="3">  </td></tr>
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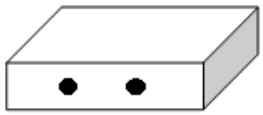
<tr><td></td><td colspan="3">  </td></tr>
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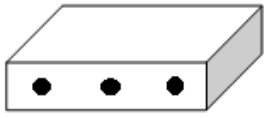
<tr><td></td><td colspan="3">  </td></tr>
</table>

8.6. Test Result

Product Name	:	Access Point	Power	:	PoE 57V
Test Mode	:	Mode1~4	Test Site	:	TR8
Mode No.	:	APEX0365	Test Date	:	2016.12.10

Mode	Channel	Test Frequency (MHz)	Average Power Output (dBm)		Total Average (dBm)	Antenna Gain (dBi)	Limit (dBm)	Result
			Ant0	Ant1				
1	01	2412	17.43	17.05	20.25	2.7	30	Pass
1	06	2437	17.62	17.25	20.45	2.7	30	Pass
1	11	2462	17.54	17.16	20.36	2.7	30	Pass
2	01	2412	18.26	18.09	21.19	2.7	30	Pass
2	06	2437	17.94	17.66	20.81	2.7	30	Pass
2	11	2462	17.91	17.67	20.80	2.7	30	Pass
3	01	2412	18.37	18.12	21.26	2.7	30	Pass
3	06	2437	17.94	17.71	20.84	2.7	30	Pass
3	11	2462	17.92	17.66	20.80	2.7	30	Pass
4	03	2422	15.54	15.11	18.34	2.7	30	Pass
4	04	2427	15.61	15.28	18.46	2.7	30	Pass
4	06	2437	18.15	17.96	21.07	2.7	30	Pass
4	08	2447	18.11	17.89	21.01	2.7	30	Pass
4	09	2452	17.72	17.18	20.47	2.7	30	Pass

Product Name	:	Access Point	Power	:	PoE 57V
Test Mode	:	Mode1~4	Test Site	:	TR8
Mode No.	:	APEX0367	Test Date	:	2016.12.10

Mode	Channel	Test Frequency (MHz)	Average Power Output (dBm)		Total Average (dBm)	Antenna Gain (dBi)	Limit (dBm)	Result
			Ant0	Ant1				
1	01	2412	17.98	17.74	20.87	6.3	29.7	Pass
1	06	2437	17.88	17.65	20.78	6.3	29.7	Pass
1	11	2462	17.84	17.74	20.80	6.3	29.7	Pass
2	01	2412	16.29	15.98	19.15	6.3	29.7	Pass
2	06	2437	17.57	17.17	20.38	6.3	29.7	Pass
2	11	2462	16.81	16.37	19.61	6.3	29.7	Pass
3	01	2412	15.38	14.87	18.14	6.3	29.7	Pass
3	06	2437	17.61	17.21	20.42	6.3	29.7	Pass
3	11	2462	16.87	16.37	19.64	6.3	29.7	Pass
4	03	2422	13.46	13.46	16.47	6.3	29.7	Pass
4	04	2427	14.50	14.49	17.51	6.3	29.7	Pass
4	06	2437	17.75	17.34	20.56	6.3	29.7	Pass
4	08	2447	17.15	16.85	20.01	6.3	29.7	Pass
4	09	2452	15.93	15.37	18.67	6.3	29.7	Pass

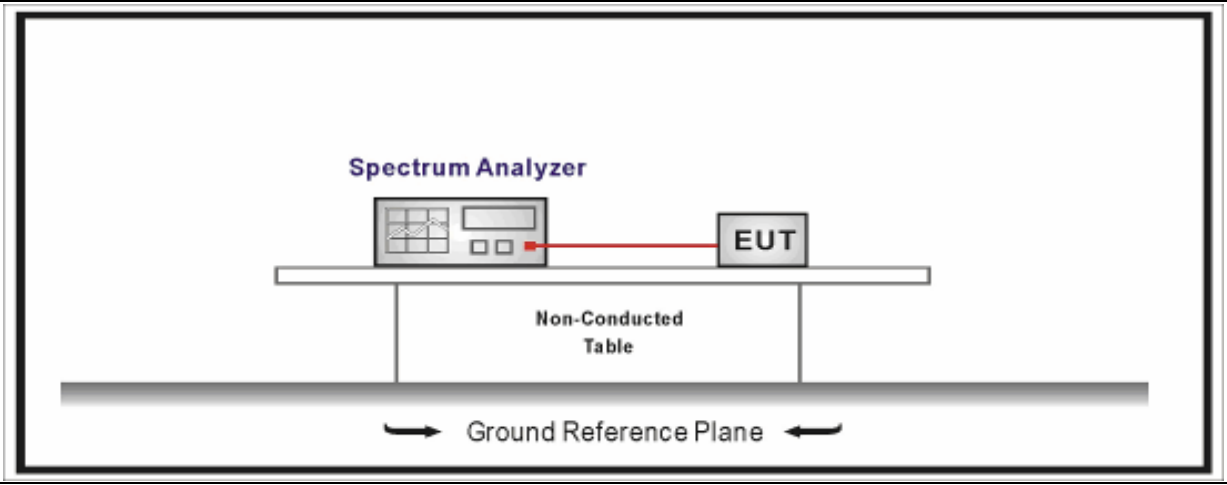
9. Power Spectral Density

9.1. Test Equipment

Power Spectral Density / TR-8					
Instrument	Manufacturer	Type No.	Serial No.	Cal. Date	Cal. Due Date
Spectrum Analyzer	Agilent	N9010A	MY48030494	2016.02.04	2017.02.03
EXA Spectrum Analyzer	Keysight	N9010A	MY55370495	2016.04.09	2017.04.08
MXA Signal Anlyzer	Keysight	N9020A	MY56060147	2016.04.09	2017.04.08
Temperature/Humidity Meter	zhichen	ZC1-2	TR8-TH	2016.04.10	2017.04.09
Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.					

9.2. Test Setup

Power Spectral Density test setup



9.3. Limit

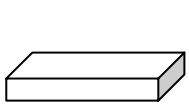
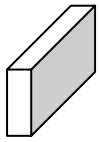
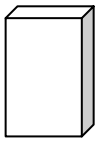
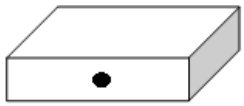
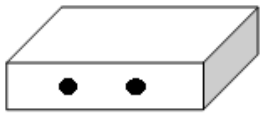
Power Spectral Density Limit
Power Spectral Density≤8dBm/3kHz

9.4. Test Procedure

Power Spectral Density Test Method				
	References Rule		Chapter	Description
☒	ANSI C63.10		11.10	Maximum power spectral density level in the fundamental emission
	☒	ANSI C63.10	11.10.2	Method PKPSD (peak PSD)
	☐	ANSI C63.10	11.10.3	Method AVGPSD-1(Duty cycle≥98%)
	☐	ANSI C63.10	11.10.4	Method AVGPSD-1A(Duty cycle≥98%)
	☐	ANSI C63.10	11.10.5	Method AVGPSD-2(Duty cycle＜98%)
	☐	ANSI C63.10	11.10.6	Method AVGPSD-2A(Duty cycle＜98%)
	☐	ANSI C63.10	11.10.7	Method AVGPSD-3
	☐	ANSI C63.10	11.10.8	Method AVGPSD-3A

Directional Gain Calculations for In-Band test method				
	References Rule		Chapter	Description
☐	KDB 662911		F2)a)	Basic methodology with NANT transmit antennas
	☐	KDB 662911	F2)a) (i)	transmit signals are correlated
	☐	KDB 662911	F2)a) (ii)	transmit signals are uncorrelated
☐	KDB 662911		F2)b)	Sectorized antenna systems.
☒	KDB 662911		F2)c)	Cross-polarized antennas
	☒	KDB 662911	F2)c) (i)	Cross-polarized antennas with NANT = 2.
	☐	KDB 662911	F2)c) (ii)	Multiple antennas
☐	KDB 662911		F2)d)	Sectorized antenna systems.
	☐	KDB 662911	F2)d) (i)	transmit signals are correlated
	☐	KDB 662911	F2)d) (ii)	transmit signals are uncorrelated
☐	KDB 662911		F2)e)	Spatial Multiplexing
	☐	KDB 662911	F2)e) (i)	Antennas have the same gain
	☐	KDB 662911	F2)e) (ii)	Antenna have the different gain with one spatial stream
	☐	KDB 662911	F2)e) (iii)	Antenna have the different gain with more than one spatial stream
☐	KDB 662911		F2)f)	Cyclic Delay Diversity (CDD)
	☐	KDB 662911	F2)f) (i)	Antennas have the same gain
	☐	KDB 662911	F2)f) (ii)	Antenna have the different gain with one spatial stream
	☐	KDB 662911	F2)f) (ii)	Antenna have the different gain with more than one spatial stream

9.5. EUT test definition

<table>
<tr><td>Item</td><td colspan="4">Power Spectral Density Test Method</td></tr>
<tr><td rowspan="2">Device Category</td><td>☒</td><td colspan="3">Fixed position use</td></tr>
<tr><td>☐</td><td colspan="3">Mobile position use</td></tr>
<tr><td>Test mode</td><td colspan="4">Mode 1~4</td></tr>
<tr><td rowspan="13">Test method</td><td>☐</td><td colspan="3">Radiated</td></tr>
<tr><td rowspan="3"></td><td>X Axis</td><td>Y Axis</td><td>Z Axis</td></tr>
<tr><td>  </td><td>  </td><td>  </td></tr>
<tr><td>Worst Axis ☐</td><td>Worst Axis ☐</td><td>Worst Axis ☐</td></tr>
<tr><td>☒</td><td colspan="3">Conducted</td></tr>
<tr><td>☐</td><td colspan="3">Chain 1</td></tr>
<tr><td></td><td colspan="3">  </td></tr>
<tr><td>☒</td><td>Chain 1</td><td colspan="2">Chain 2</td></tr>
<tr><td></td><td colspan="3">  </td></tr>
<tr><td>☐</td><td>Chain 1</td><td>Chain 2</td><td>Chain 3</td></tr>
<tr><td></td><td colspan="3">  </td></tr>
</table>

9.6. Test Result

Product Name	:	Access Point	Power	:	PoE 57V
Test Mode	:	Mode1~4	Test Site	:	TR8
Mode No.	:	APEX0365	Test Date	:	2016.12.10

Mode	Channel	Test Frequency (MHz)	Measurement PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	Directional Gain (dBi)	Limit (dBm/3kHz)	Result
			Ant0	Ant1				
1	01	2412	1.806	1.053	4.456	2.7	8.0	Pass
1	06	2437	2.416	1.140	4.835	2.7	8.0	Pass
1	11	2462	1.904	2.091	5.009	2.7	8.0	Pass
2	01	2412	-6.381	-6.443	-3.402	2.7	8.0	Pass
2	06	2437	-5.571	-4.930	-2.228	2.7	8.0	Pass
2	11	2462	-5.219	-4.953	-2.074	2.7	8.0	Pass
3	01	2412	-6.404	-6.395	-3.389	2.7	8.0	Pass
3	06	2437	-5.973	-6.648	-3.287	2.7	8.0	Pass
3	11	2462	-6.175	-6.243	-3.199	2.7	8.0	Pass
4	03	2422	-11.740	-11.636	-8.677	2.7	8.0	Pass
4	06	2437	-9.967	-10.263	-7.102	2.7	8.0	Pass
4	09	2452	-9.992	-10.439	-7.199	2.7	8.0	Pass

Mode 1 CH11(2462MHz) Ant0

Mode 1 CH11(2462MHz) Ant1

Product Name	:	Access Point	Power	:	PoE 57V
Test Mode	:	Mode1~4	Test Site	:	TR8
Mode No.	:	APEX0367	Test Date	:	2016.12.10

Mode	Channel	Test Frequency (MHz)	Measurement PSD (dBm/3kHz)		Total PSD (dBm/3kHz)	Directional Gain (dBi)	Limit (dBm/3kHz)	Result
			Ant0	Ant1				
1	01	2412	0.397	0.726	3.57	6.3	7.7	Pass
1	06	2437	0.990	1.262	4.14	6.3	7.7	Pass
1	11	2462	1.692	1.099	4.42	6.3	7.7	Pass
2	01	2412	-7.768	-7.335	-4.54	6.3	7.7	Pass
2	06	2437	-6.404	-7.737	-4.01	6.3	7.7	Pass
2	11	2462	-6.314	-6.850	-3.56	6.3	7.7	Pass
3	01	2412	-9.231	-9.717	-6.46	6.3	7.7	Pass
3	06	2437	-7.709	-6.825	-4.23	6.3	7.7	Pass
3	11	2462	-7.975	-7.426	-4.68	6.3	7.7	Pass
4	03	2422	-13.830	-13.963	-10.89	6.3	7.7	Pass
4	06	2437	-10.953	-11.849	-8.37	6.3	7.7	Pass
4	09	2452	-11.322	-11.580	-8.44	6.3	7.7	Pass

Mode 1 CH11(2462MHz) Ant0

Mode 1 CH11(2462MHz) Ant1

10. Antenna Requirement

10.1. Limit

Antenna Requirement Limit
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of §15.211, §15.213, §15.217, §15.219, or §15.221. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with §15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

10.2. Antenna Connector Construction

Antenna Connector Construction	
☐	The use of a permanently attached antenna
☐	The antenna use of a unique coupling to the intentional radiator
☒	The use of a nonstandard antenna jack or electrical connector
Please refer to the attached document “Internal Photograph” to show the antenna connector.	

The End