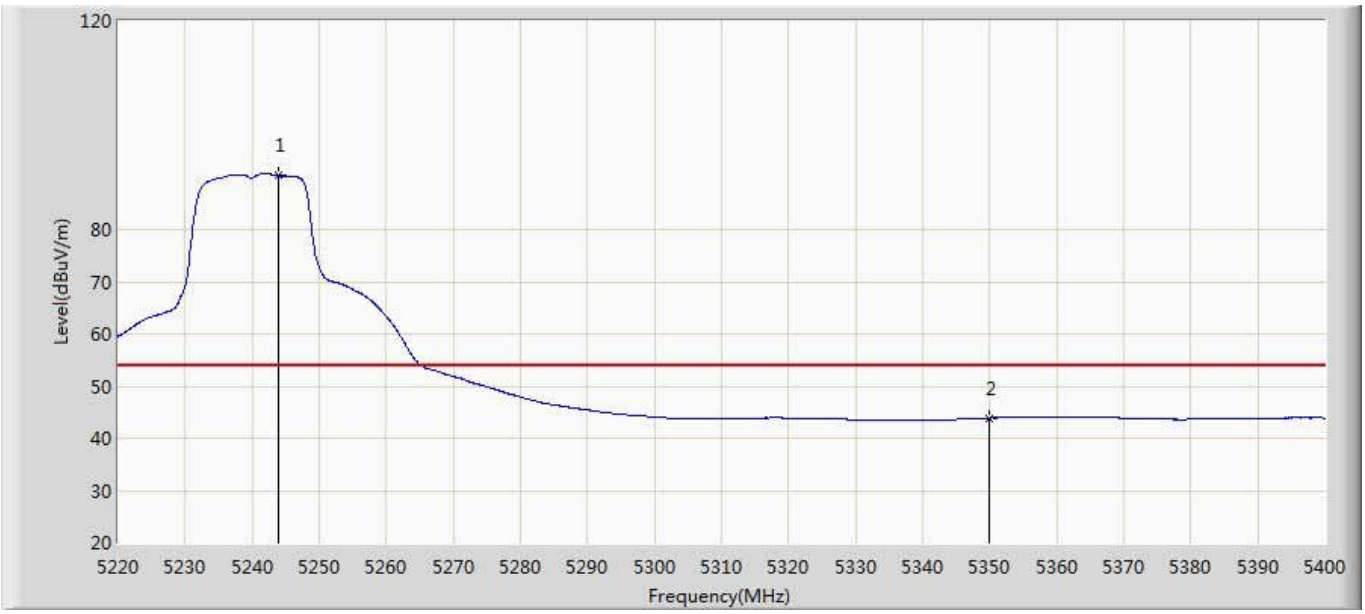
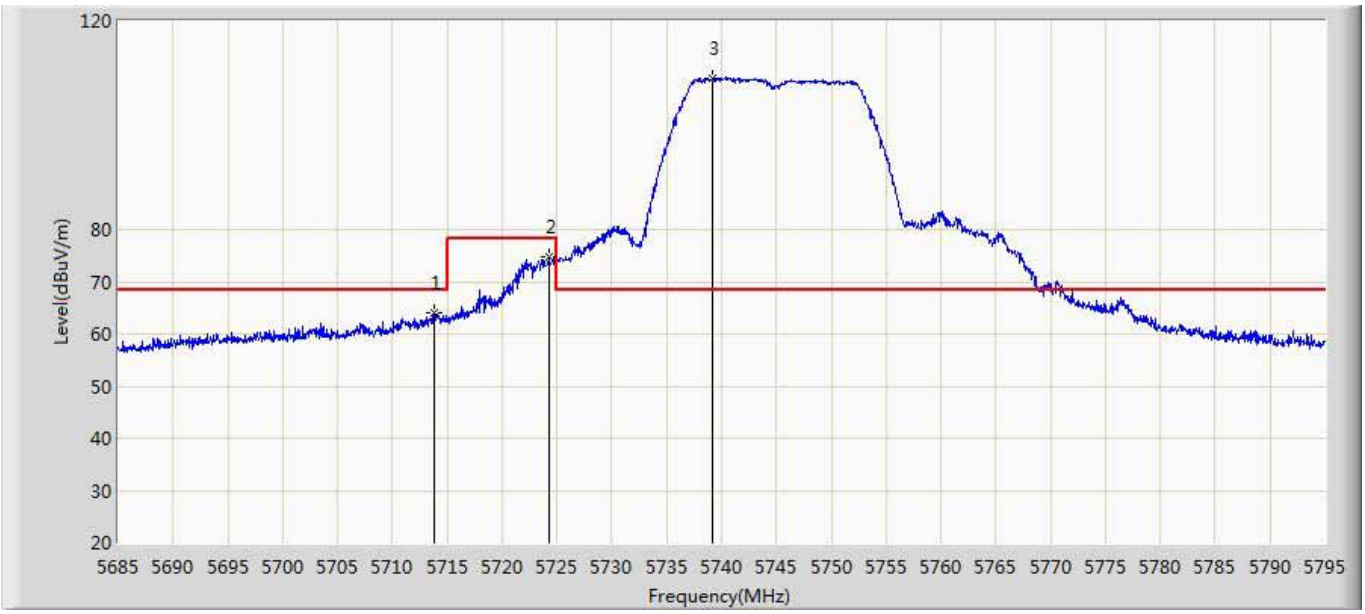
Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 10:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 1:Transmit at CH5240Mhz by 802.11a with Ant1	



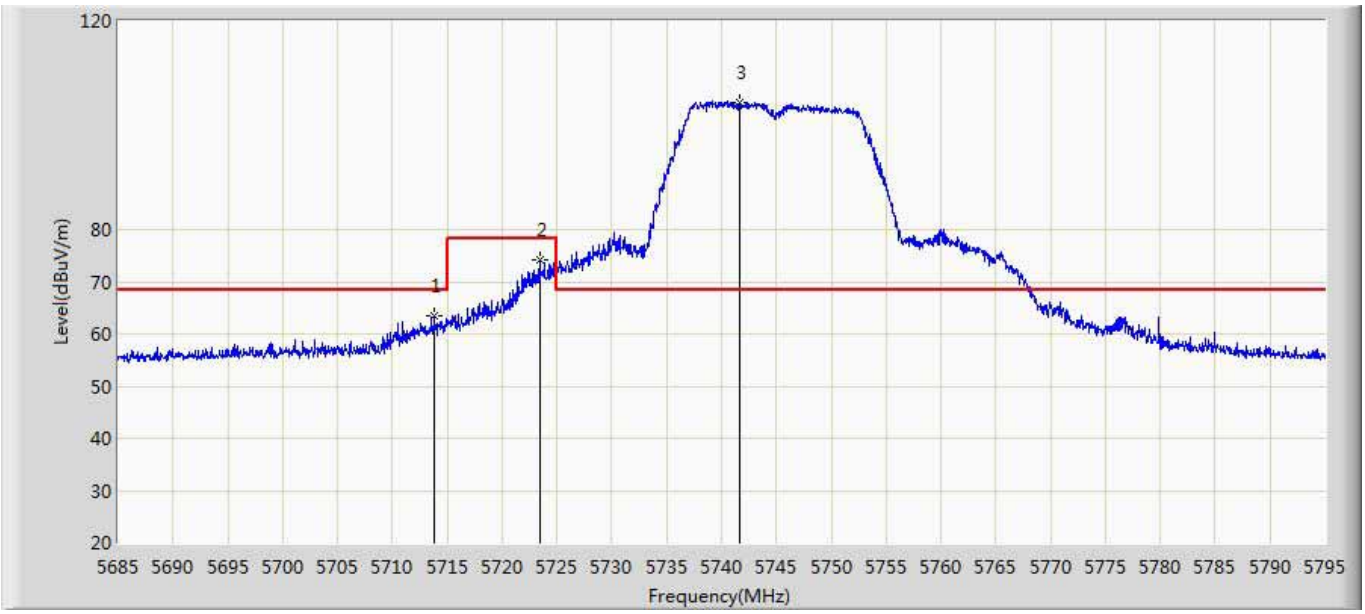
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5243.850	90.347	47.731	N/A	N/A	42.616	AV
2		5350.000	43.901	1.075	-10.099	54.000	42.826	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 09:46
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 1:Transmit at CH5745Mhz by 802.11a with Ant1	



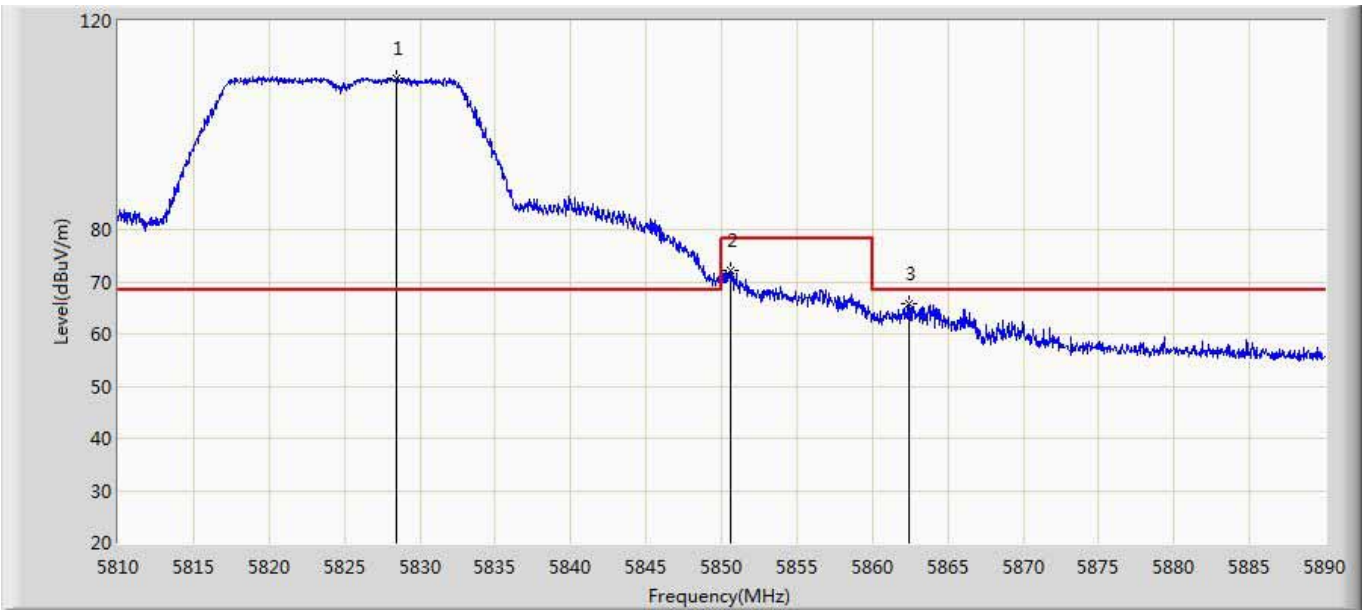
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5713.820	64.146	20.842	-4.154	68.300	43.304	PK
2		5724.270	74.893	31.625	-3.407	78.300	43.269	PK
3	*	5739.120	109.130	65.836	N/A	N/A	43.294	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 10:09
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 1:Transmit at CH5745Mhz by 802.11a with Ant1	



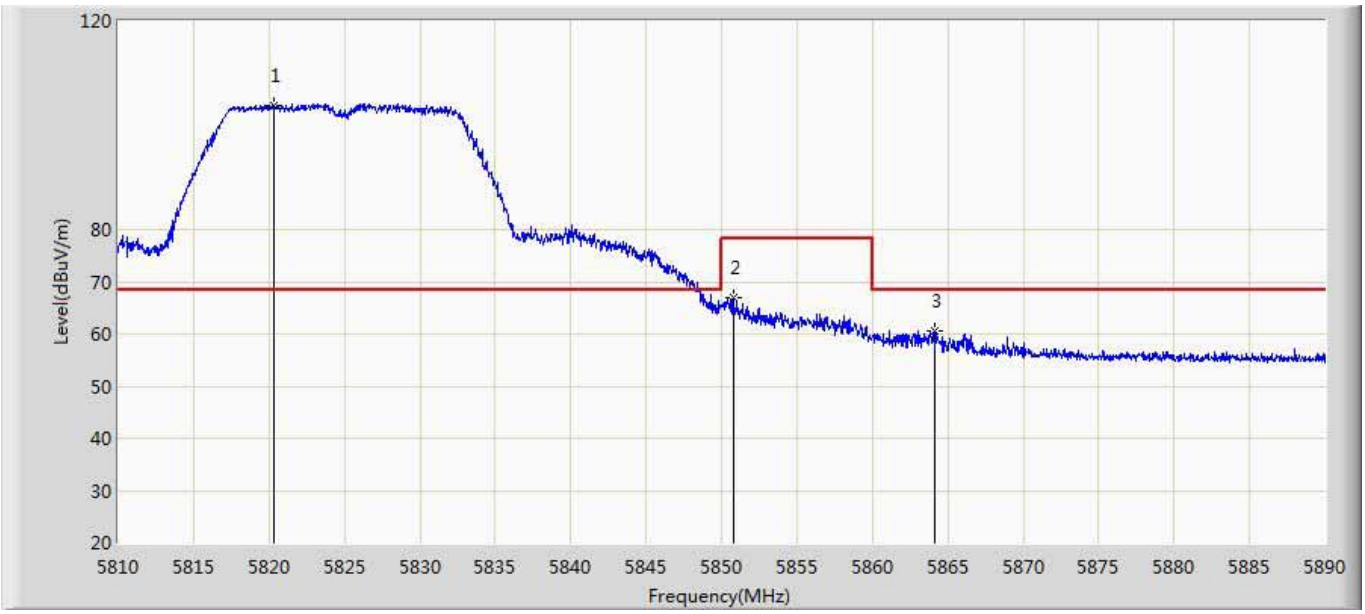
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5713.820	63.505	20.201	-4.795	68.300	43.304	PK
2		5723.390	74.228	30.957	-4.072	78.300	43.271	PK
3	*	5741.595	104.424	61.125	N/A	N/A	43.299	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 10:11
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 1:Transmit at CH5825Mhz by 802.11a with Ant1	



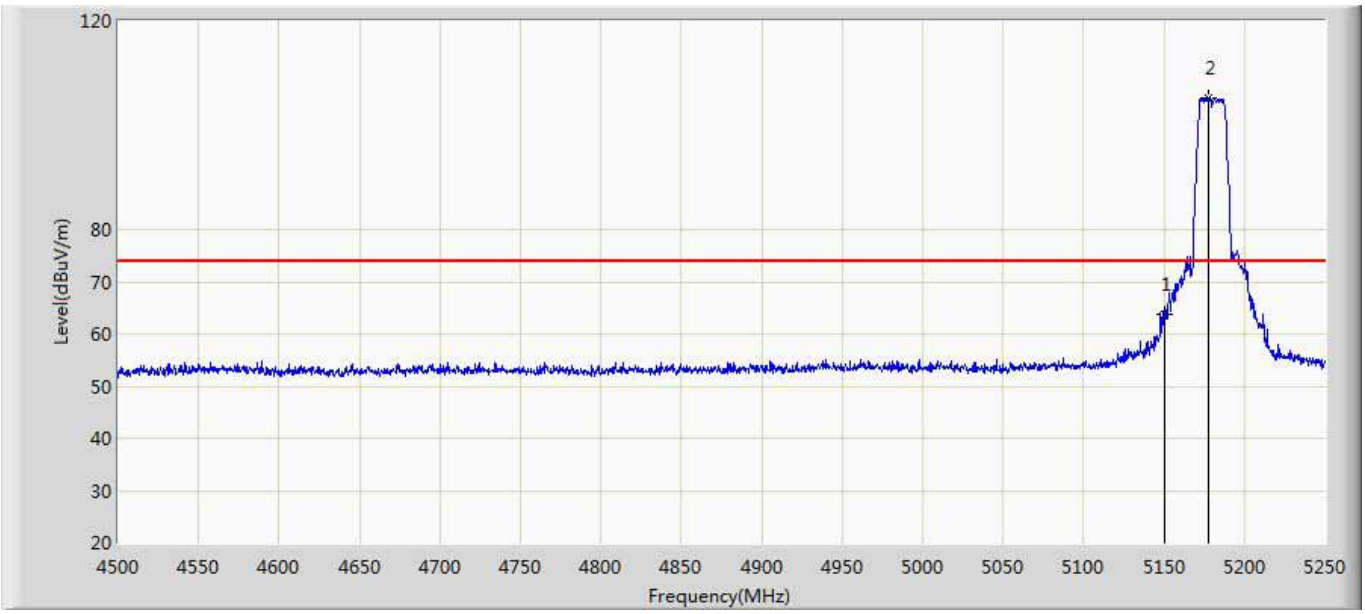
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5828.440	108.979	65.569	N/A	N/A	43.411	PK
2		5850.640	72.279	28.805	-6.021	78.300	43.474	PK
3		5862.400	65.891	22.329	-2.409	68.300	43.563	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 10:14
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 1:Transmit at CH5825Mhz by 802.11a with Ant1	



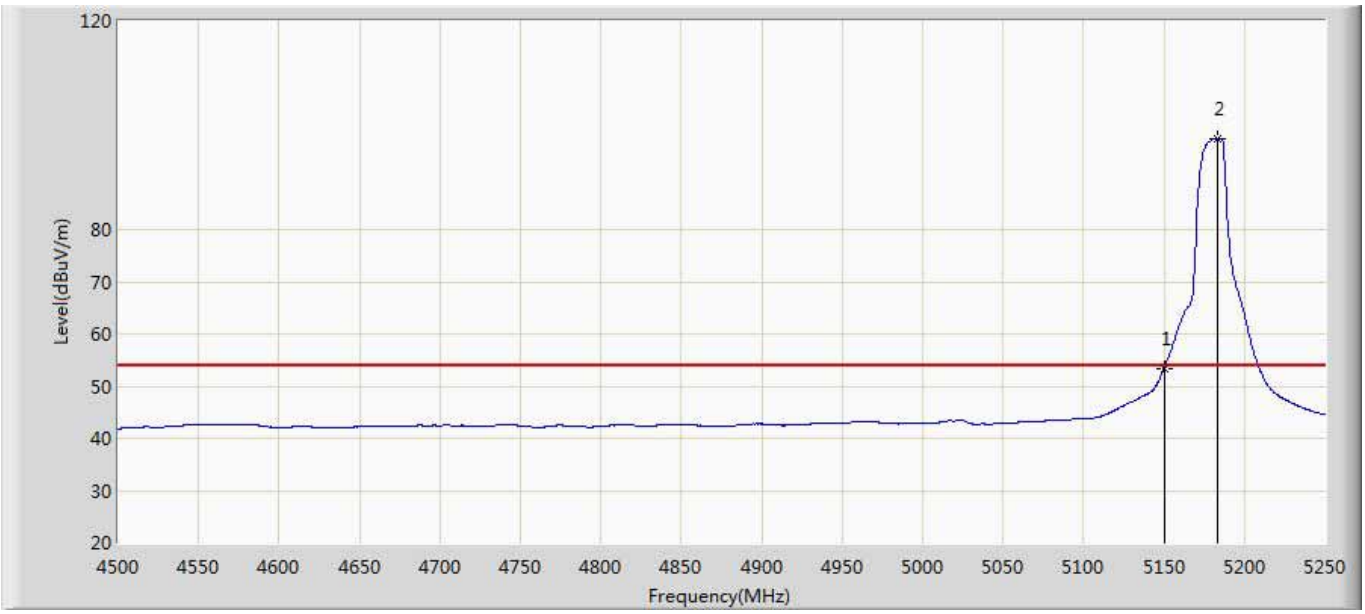
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5820.320	103.844	60.452	N/A	N/A	43.392	PK
2		5850.760	66.968	23.493	-11.332	78.300	43.475	PK
3		5864.160	60.441	16.873	-7.859	68.300	43.568	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 10:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 1:Transmit at CH5180Mhz by 802.11a with Ant2	



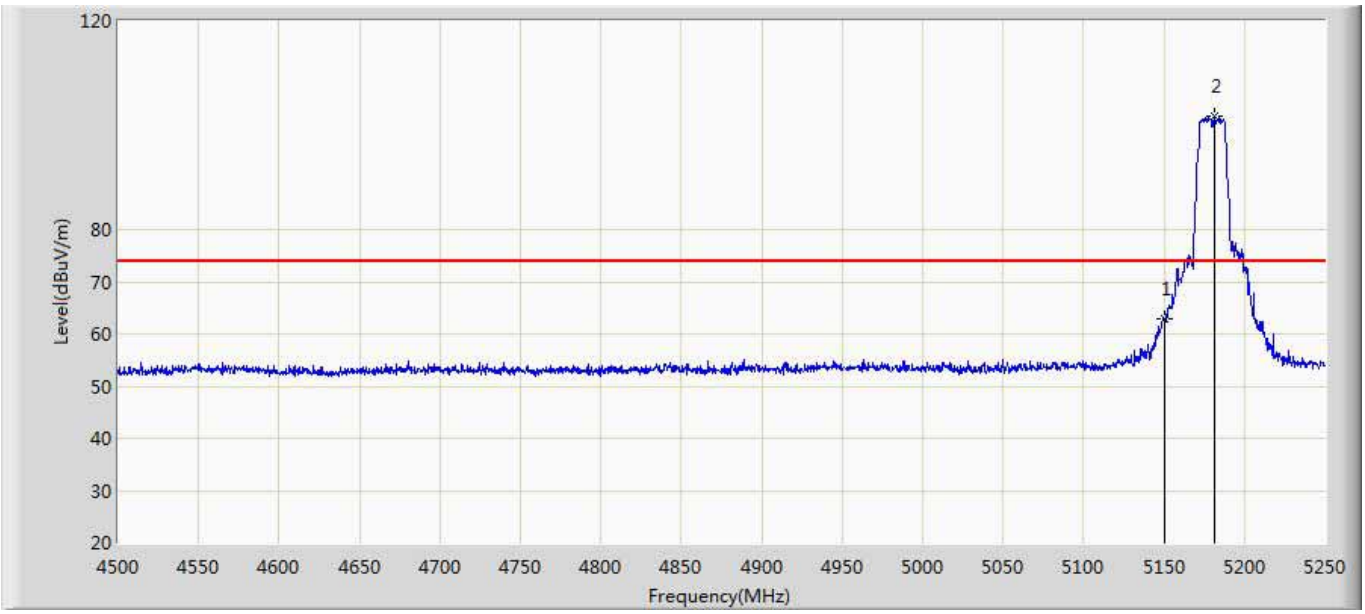
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	63.884	21.479	-10.116	74.000	42.405	PK
2	*	5177.625	105.295	62.743	N/A	N/A	42.552	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 10:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 1:Transmit at CH5180Mhz by 802.11a with Ant2	



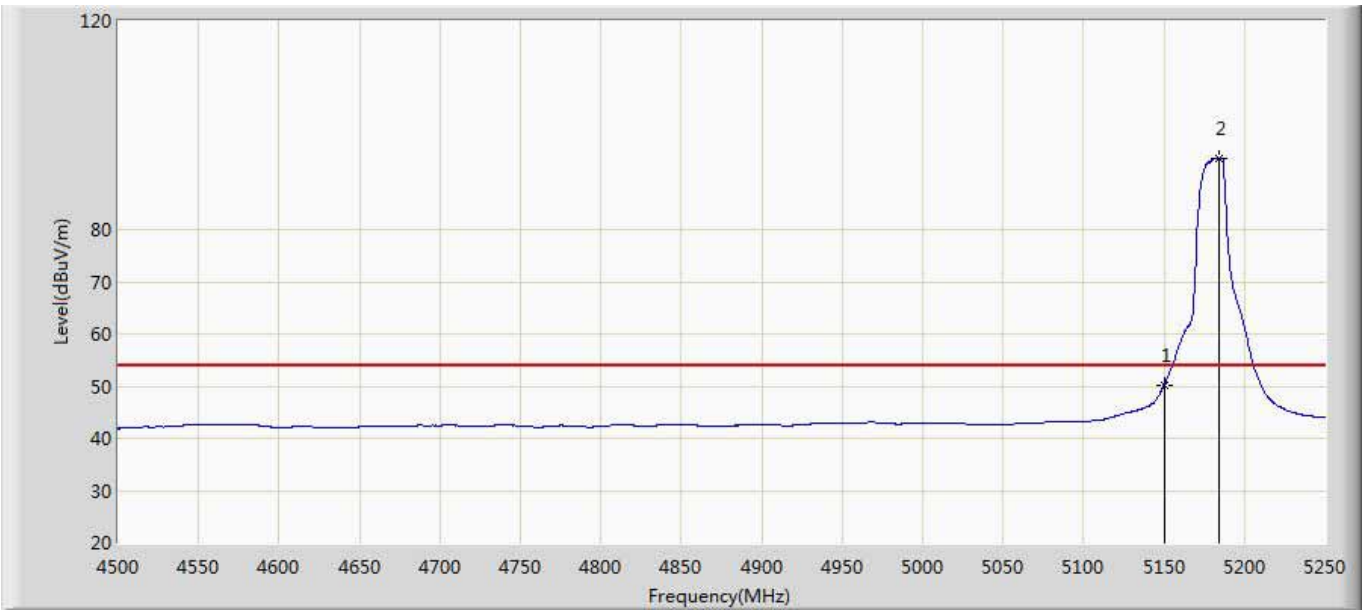
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	53.291	10.886	-0.709	54.000	42.405	AV
2	*	5182.875	97.454	54.905	N/A	N/A	42.549	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 10:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 1:Transmit at CH5180Mhz by 802.11a with Ant2	



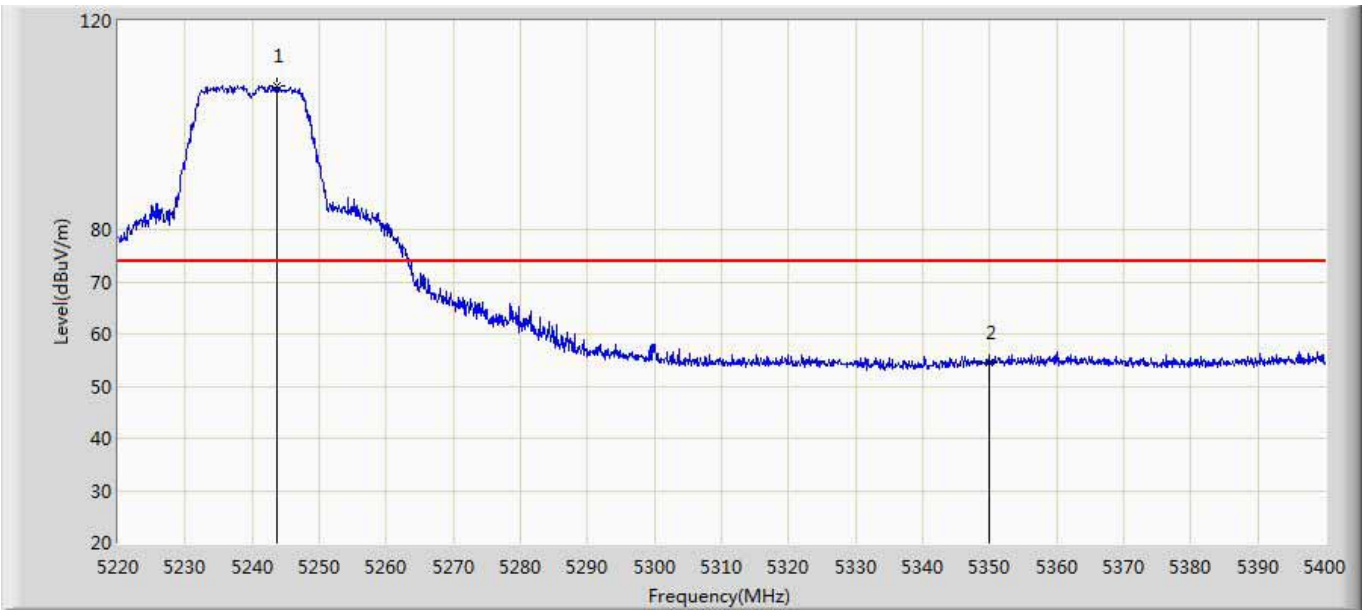
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	62.993	20.588	-11.007	74.000	42.405	PK
2	*	5181.375	101.607	59.053	N/A	N/A	42.554	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 10:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 1:Transmit at CH5180Mhz by 802.11a with Ant2	



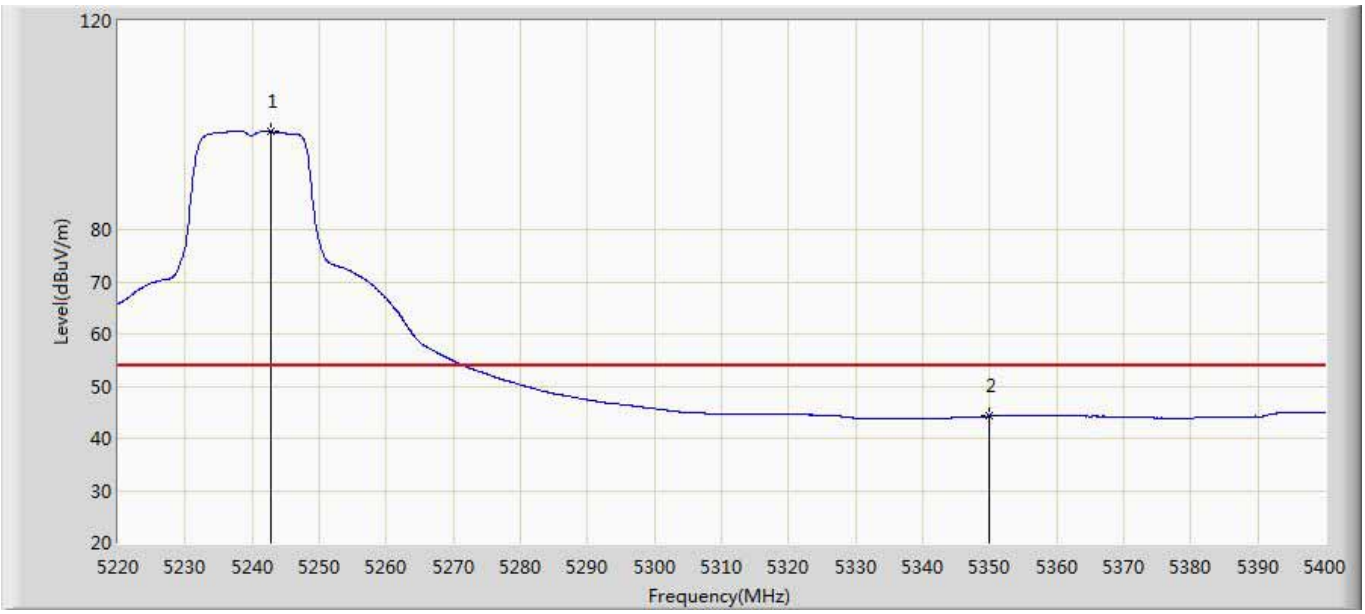
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	50.153	7.748	-3.847	54.000	42.405	AV
2	*	5184.000	93.687	51.144	N/A	N/A	42.542	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 10:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 1:Transmit at CH5240Mhz by 802.11a with Ant2	



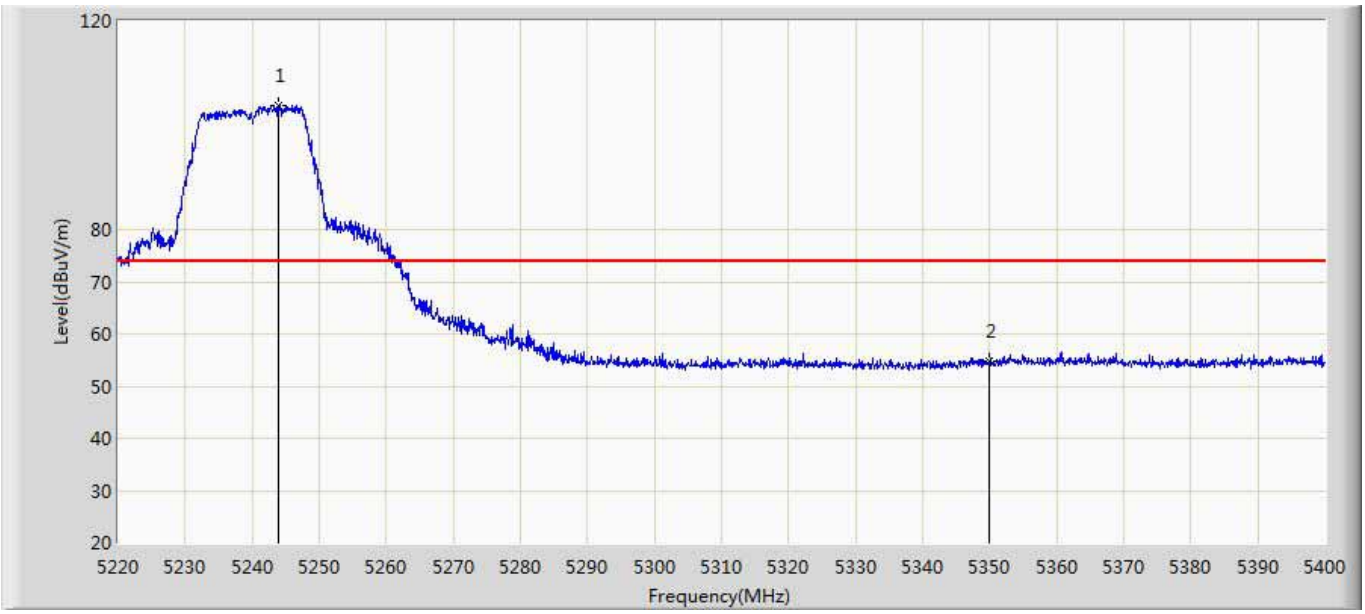
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5243.580	107.488	64.875	N/A	N/A	42.613	PK
2		5350.000	54.507	11.681	-19.493	74.000	42.826	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 10:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 1:Transmit at CH5240Mhz by 802.11a with Ant2	



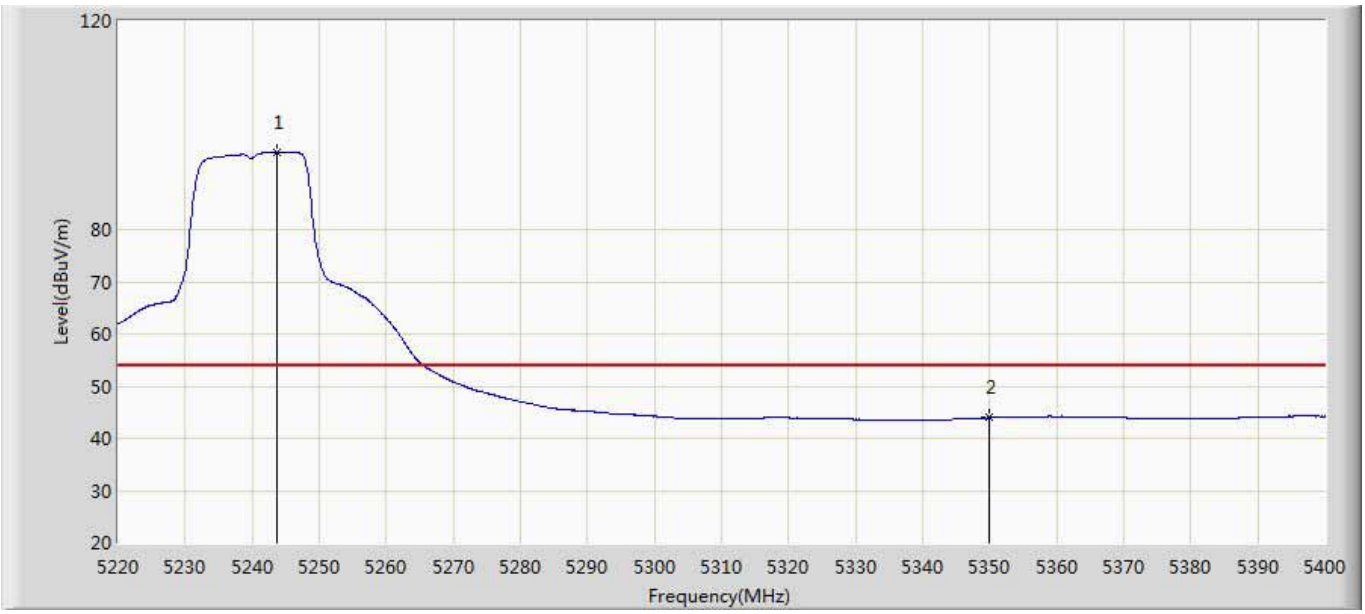
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5242.680	98.747	56.143	N/A	N/A	42.603	AV
2		5350.000	44.243	1.417	-9.757	54.000	42.826	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 10:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 1:Transmit at CH5240Mhz by 802.11a with Ant2	



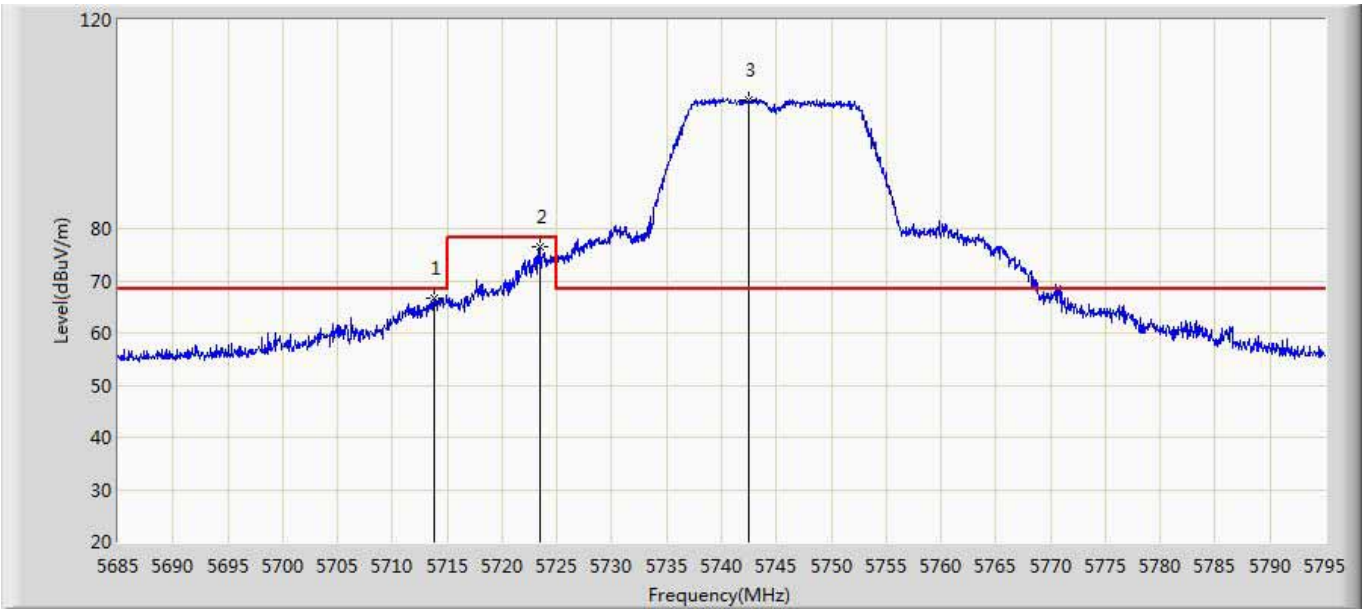
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5243.940	103.787	61.170	N/A	N/A	42.616	PK
2		5350.000	54.641	11.815	-19.359	74.000	42.826	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 10:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 1:Transmit at CH5240Mhz by 802.11a with Ant2	



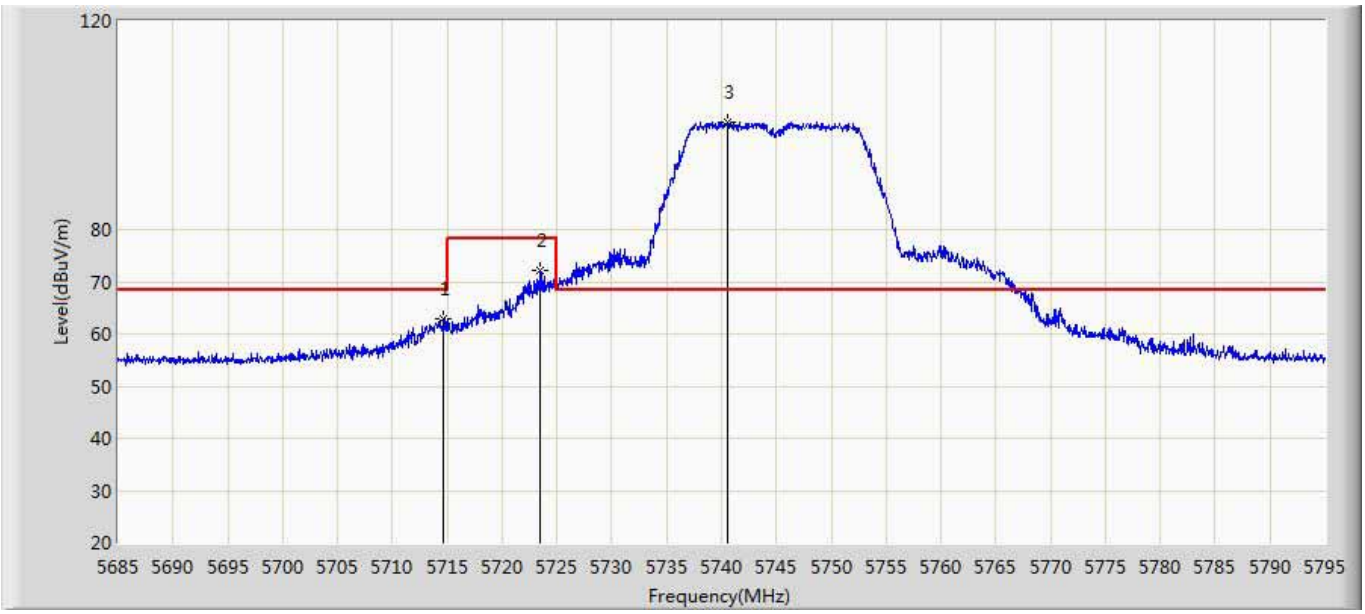
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5243.580	94.695	52.082	N/A	N/A	42.613	AV
2		5350.000	43.970	1.144	-10.030	54.000	42.826	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 10:17
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 1:Transmit at CH5745Mhz by 802.11a with Ant2	



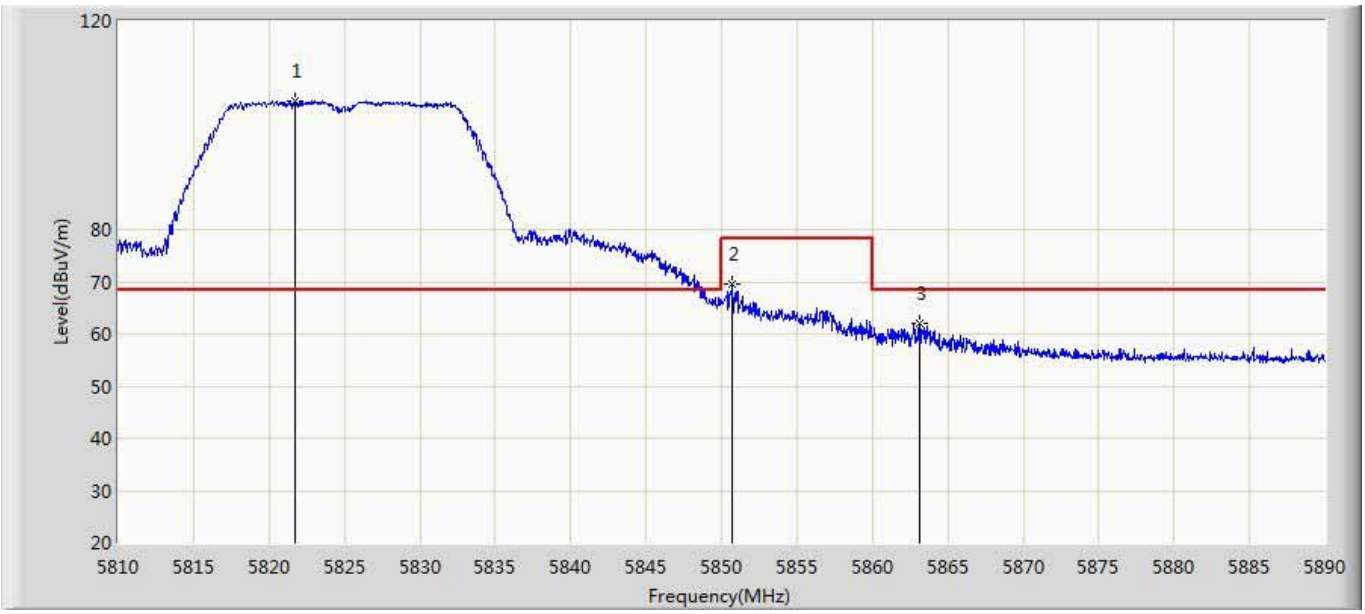
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5713.820	66.556	23.252	-1.744	68.300	43.304	PK
2		5723.500	76.406	33.135	-1.894	78.300	43.271	PK
3	*	5742.475	104.701	61.400	N/A	N/A	43.301	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 10:22
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 1:Transmit at CH5745Mhz by 802.11a with Ant2	



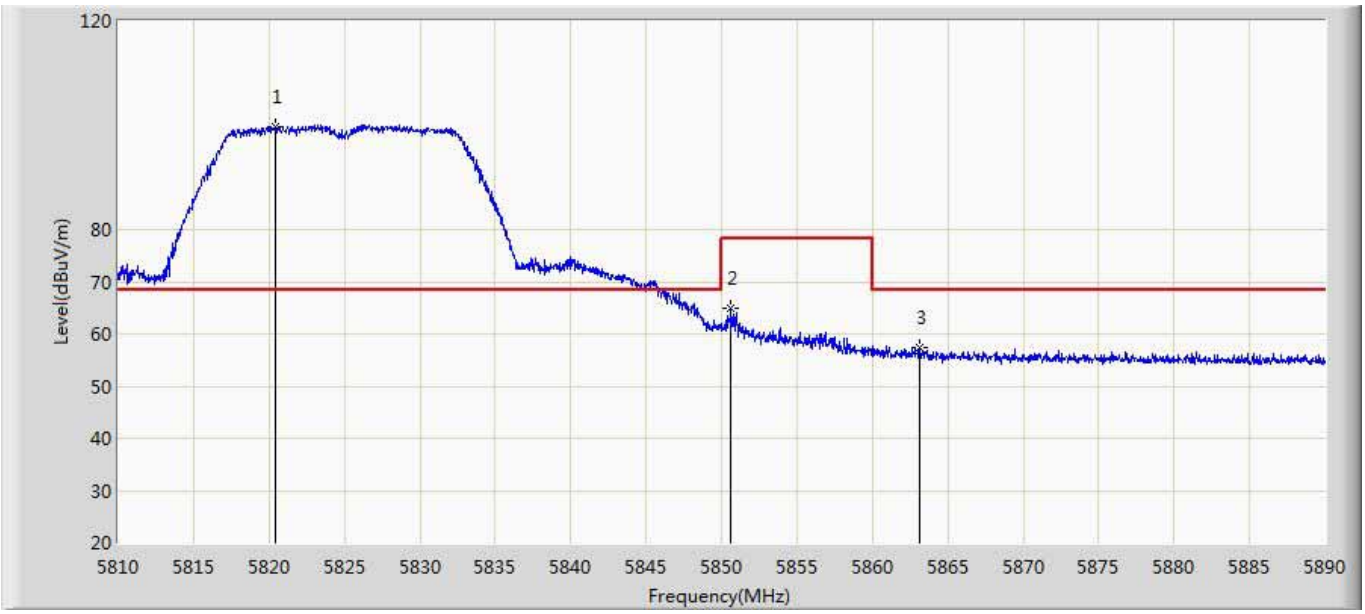
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5714.700	62.777	19.476	-5.523	68.300	43.301	PK
2		5723.390	72.127	28.856	-6.173	78.300	43.271	PK
3	*	5740.495	100.598	57.301	N/A	N/A	43.296	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 10:24
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 1:Transmit at CH5825Mhz by 802.11a with Ant2	



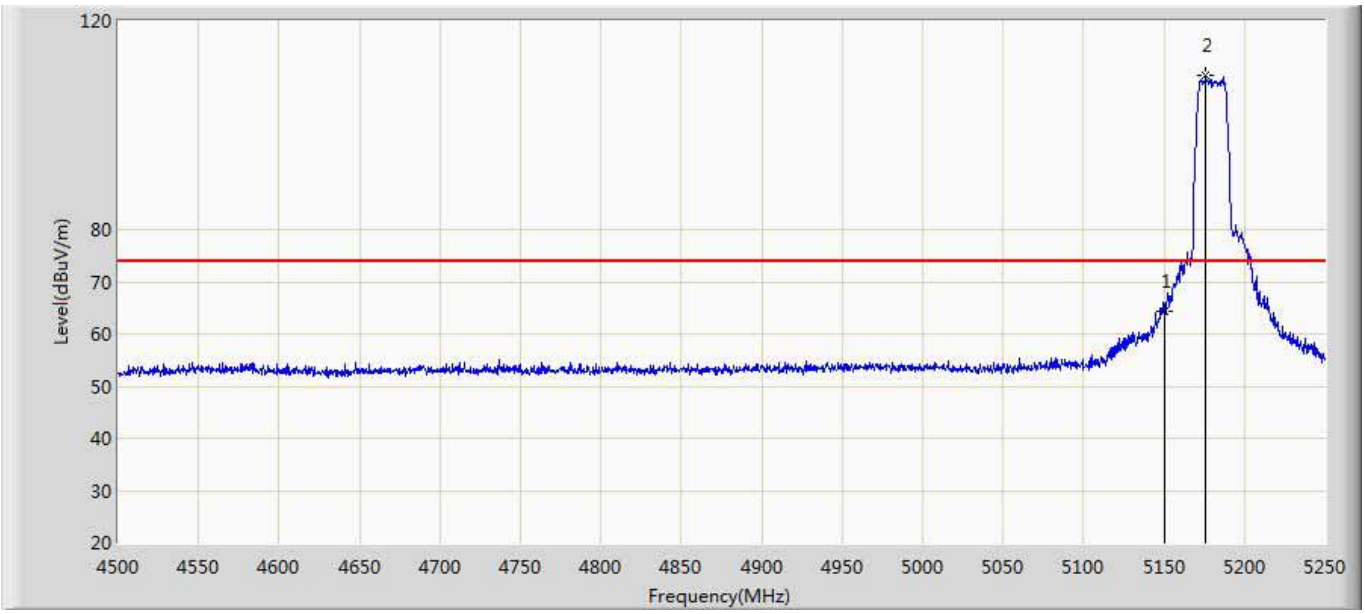
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5821.680	104.499	61.104	N/A	N/A	43.395	PK
2		5850.720	69.661	26.186	-8.639	78.300	43.475	PK
3		5863.120	62.086	18.521	-6.214	68.300	43.565	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 10:28
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 1:Transmit at CH5825Mhz by 802.11a with Ant2	



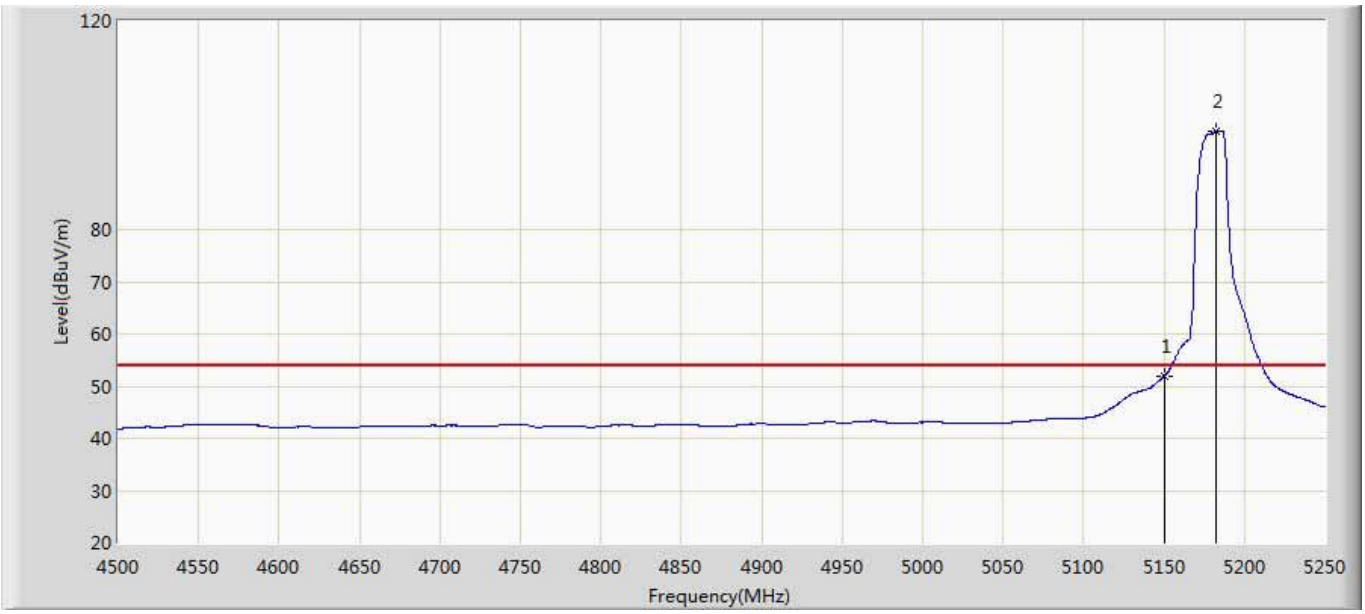
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5820.400	99.719	56.327	N/A	N/A	43.392	PK
2		5850.600	64.909	21.435	-13.391	78.300	43.474	PK
3		5863.120	57.402	13.837	-10.898	68.300	43.565	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 11:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5180Mhz by 802.11n20 with Ant1	



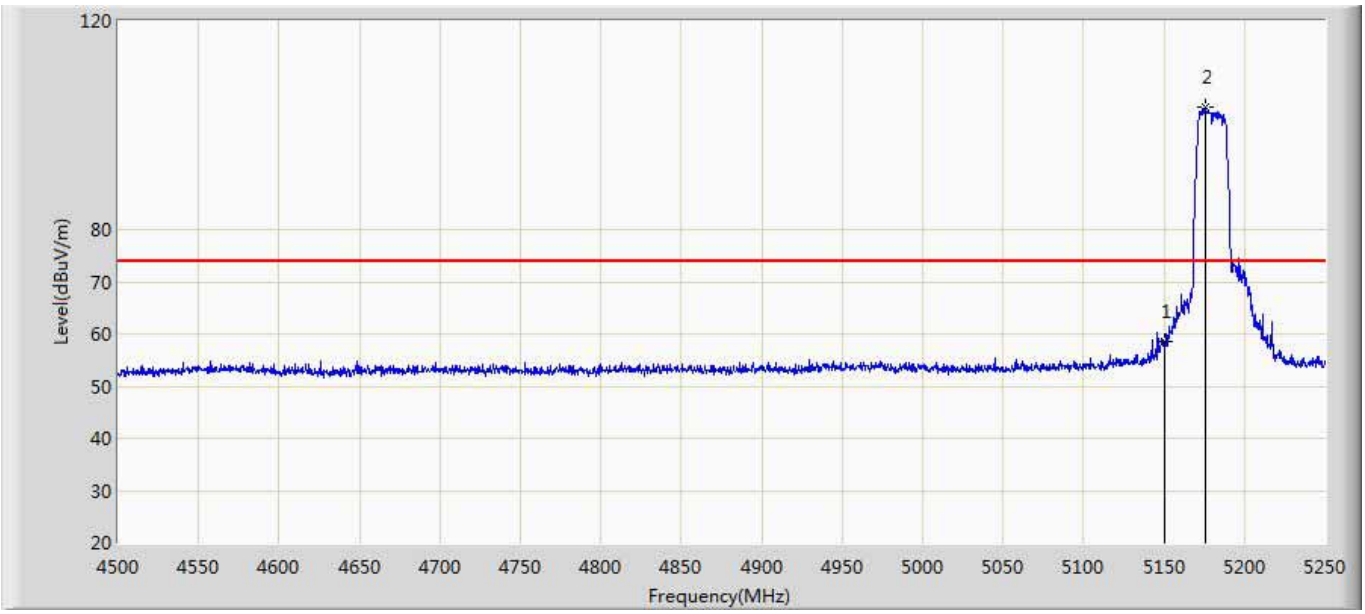
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	64.394	21.989	-9.606	74.000	42.405	PK
2	*	5176.125	109.559	67.008	N/A	N/A	42.551	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 11:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5180Mhz by 802.11n20 with Ant1	



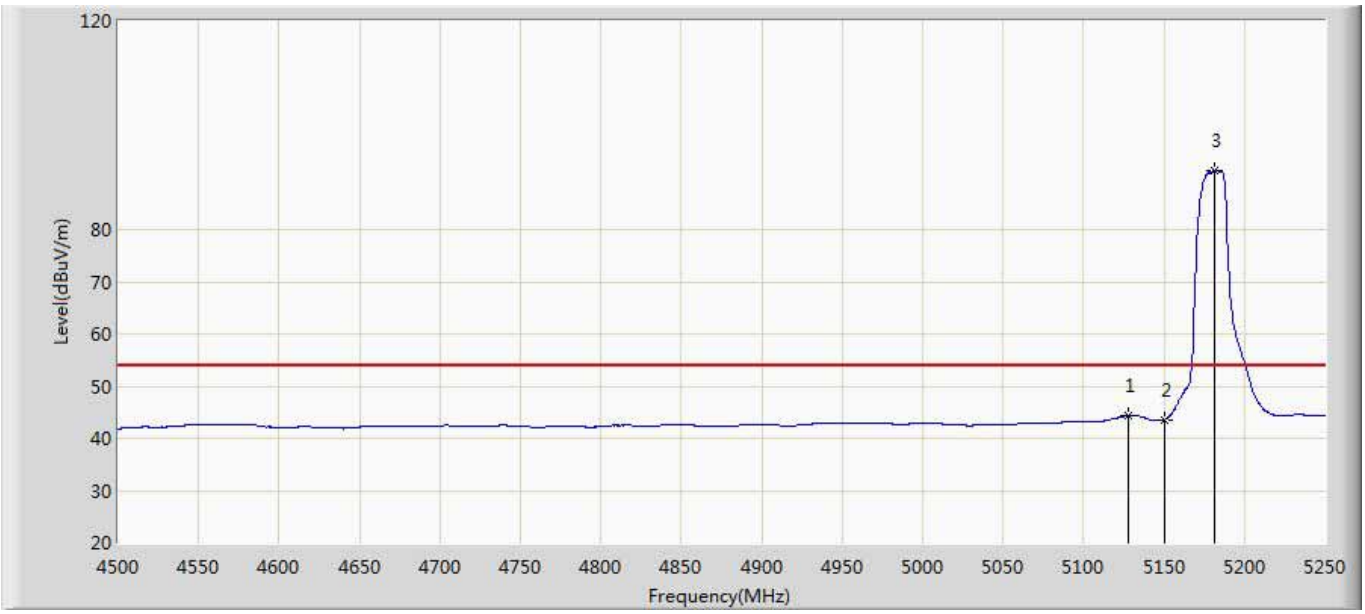
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	51.888	9.483	-2.112	54.000	42.405	AV
2	*	5182.125	98.764	56.210	N/A	N/A	42.553	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 11:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5180Mhz by 802.11n20 with Ant1	



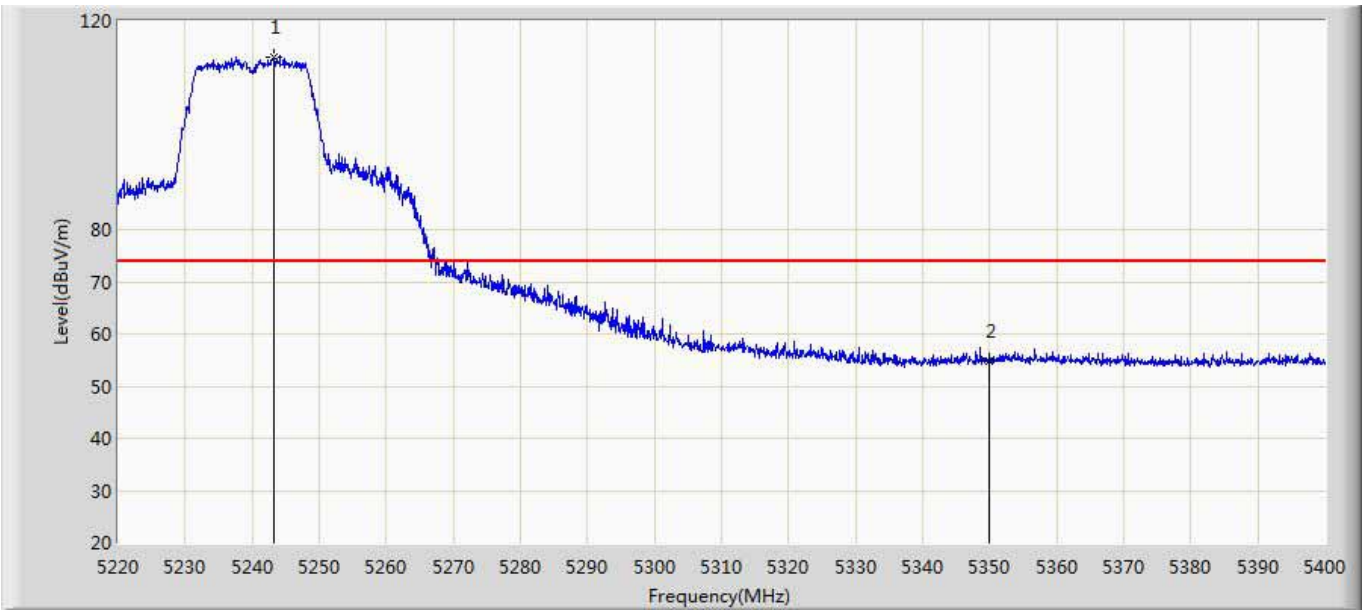
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	58.559	16.154	-15.441	74.000	42.405	PK
2	*	5176.125	103.383	60.832	N/A	N/A	42.551	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 11:05
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5180Mhz by 802.11n20 with Ant1	



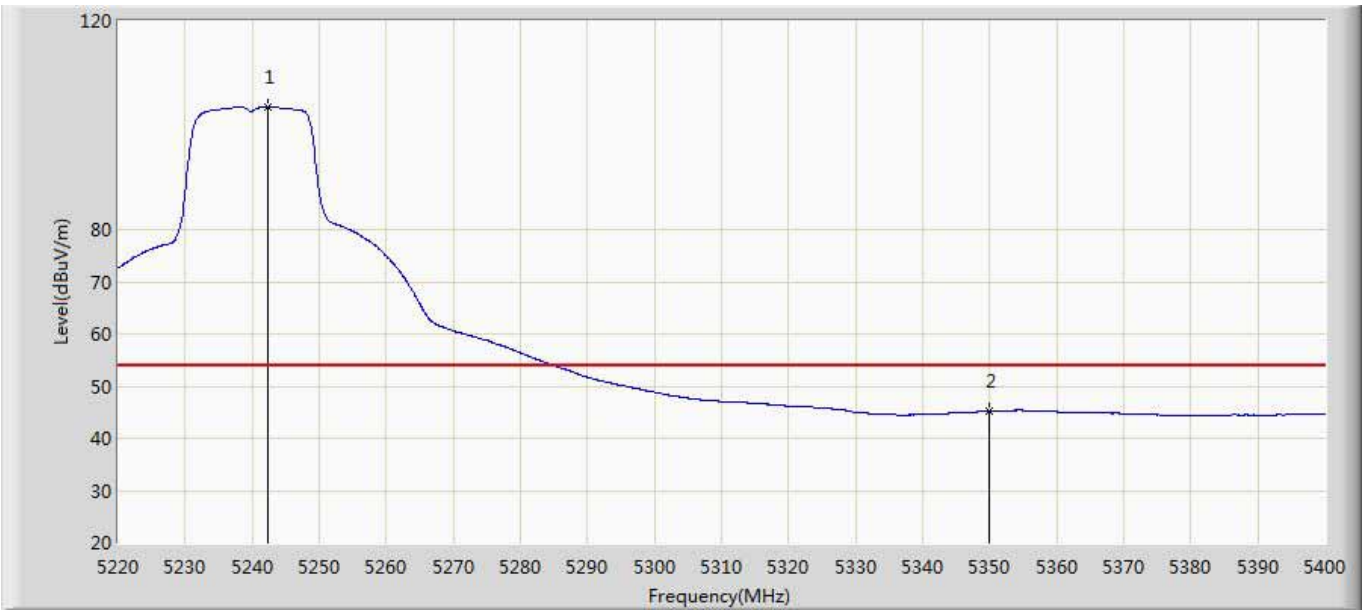
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5127.375	44.299	1.718	-9.701	54.000	42.581	AV
2		5150.000	43.503	1.098	-10.497	54.000	42.405	AV
3	*	5181.375	91.278	48.724	N/A	N/A	42.554	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 11:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5240Mhz by 802.11n20 with Ant1	



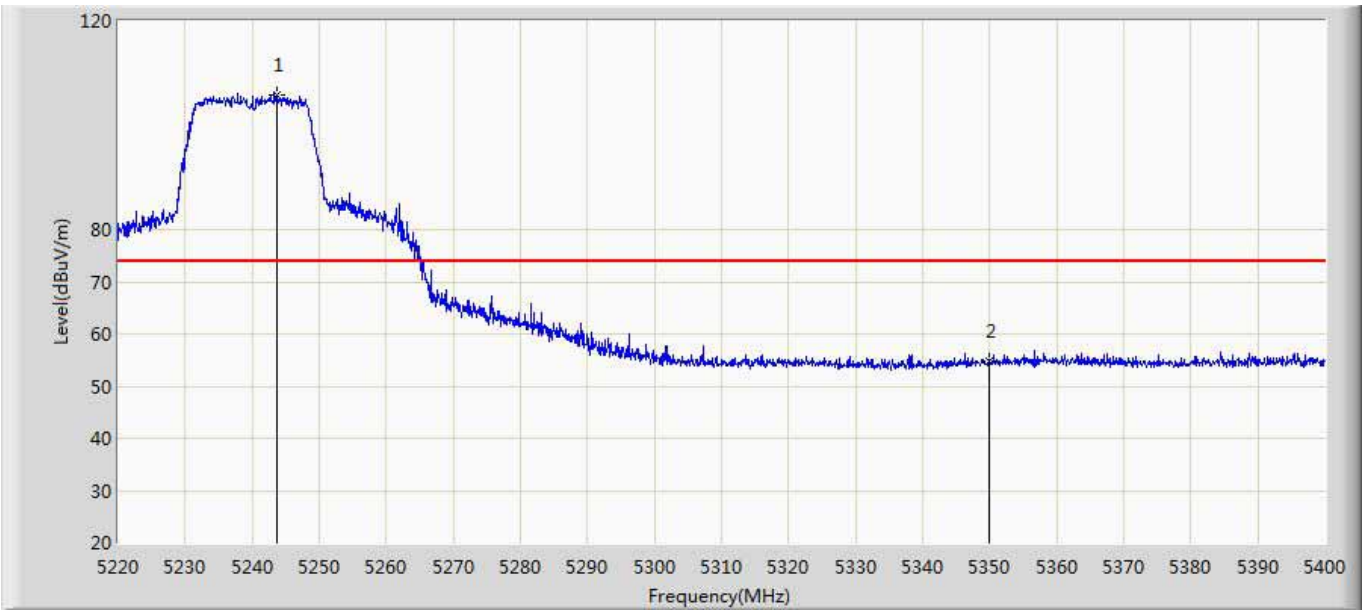
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5243.310	113.069	70.459	N/A	N/A	42.610	PK
2		5350.000	54.826	12.000	-19.174	74.000	42.826	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 11:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5240Mhz by 802.11n20 with Ant1	



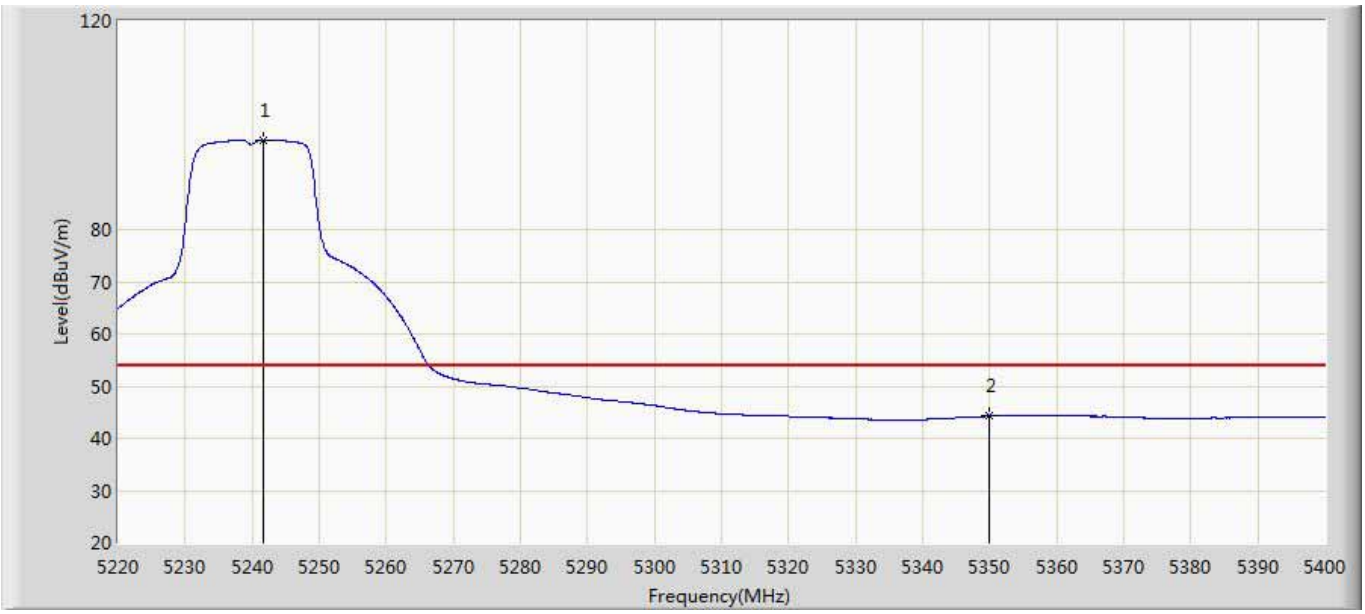
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5242.410	103.480	60.879	N/A	N/A	42.601	AV
2		5350.000	45.183	2.357	-8.817	54.000	42.826	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 11:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5240Mhz by 802.11n20 with Ant1	



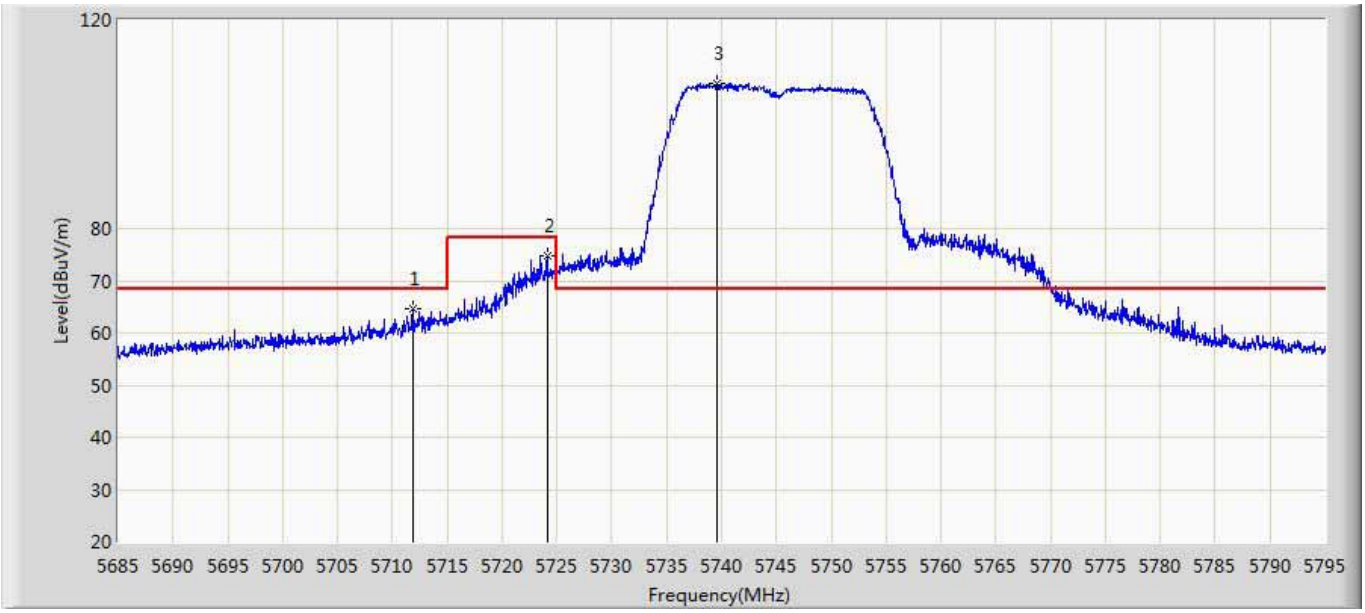
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5243.670	105.936	63.322	N/A	N/A	42.614	PK
2		5350.000	54.733	11.907	-19.267	74.000	42.826	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 11:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5240Mhz by 802.11n20 with Ant1	



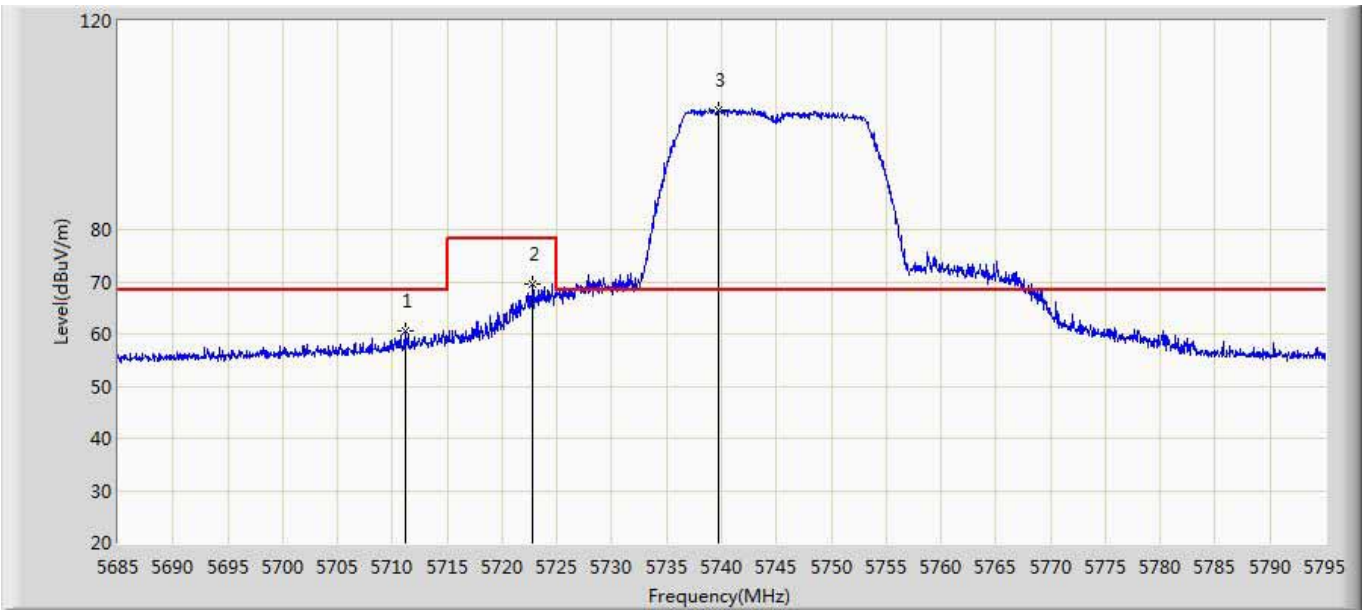
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5241.690	97.183	54.590	N/A	N/A	42.593	AV
2		5350.000	44.264	1.438	-9.736	54.000	42.826	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 10:30
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5745Mhz by 802.11n20 with Ant1	



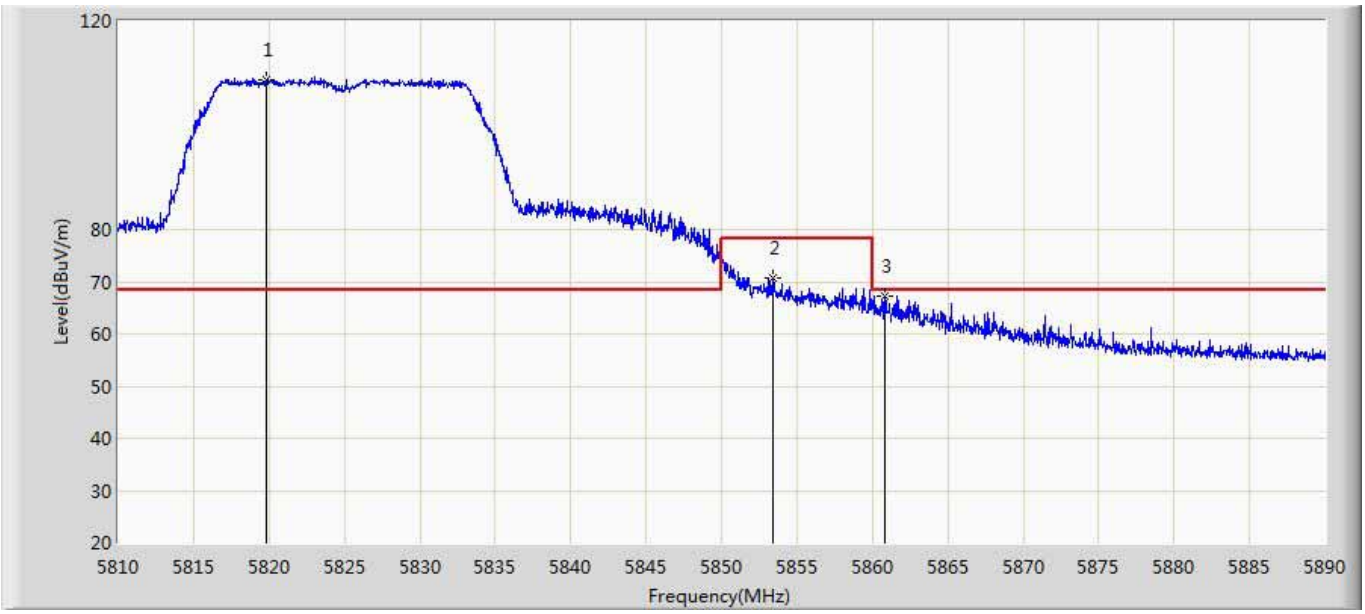
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5711.840	64.570	21.259	-3.730	68.300	43.311	PK
2		5724.105	74.782	31.513	-3.518	78.300	43.269	PK
3	*	5739.560	107.879	64.584	N/A	N/A	43.294	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 10:40
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5745Mhz by 802.11n20 with Ant1	



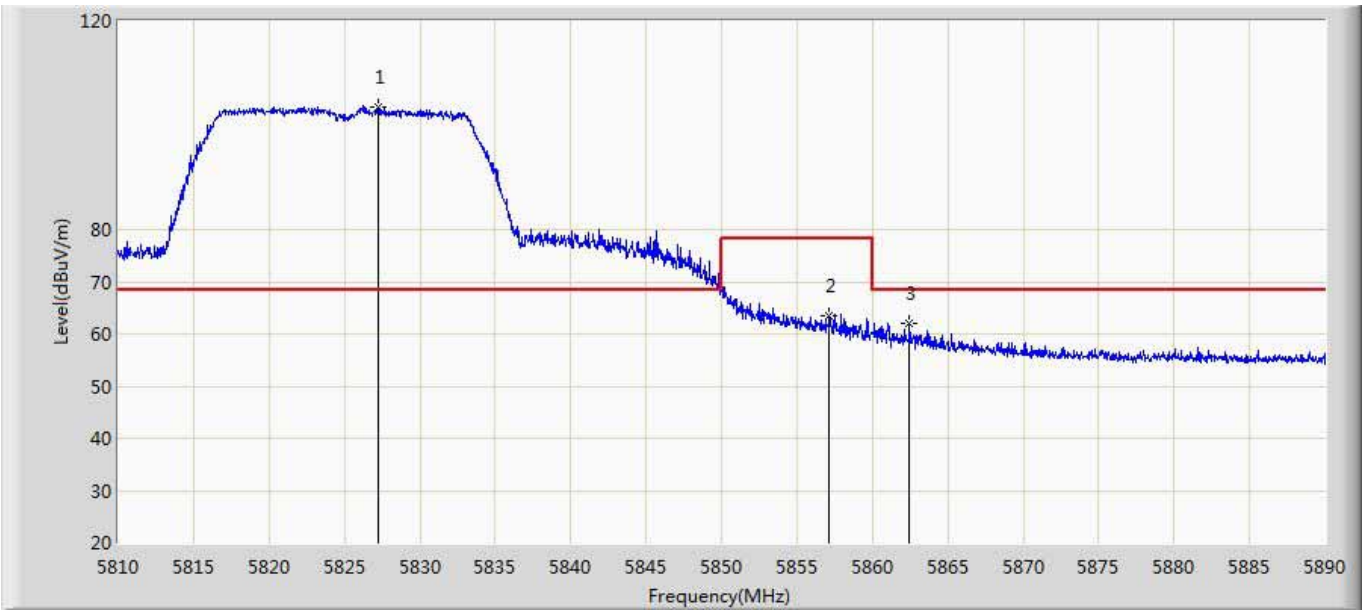
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5711.125	60.527	17.214	-7.773	68.300	43.313	PK
2		5722.730	69.612	26.338	-8.688	78.300	43.274	PK
3	*	5739.725	102.813	59.518	N/A	N/A	43.295	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 10:43
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5825Mhz by 802.11n20 with Ant1	



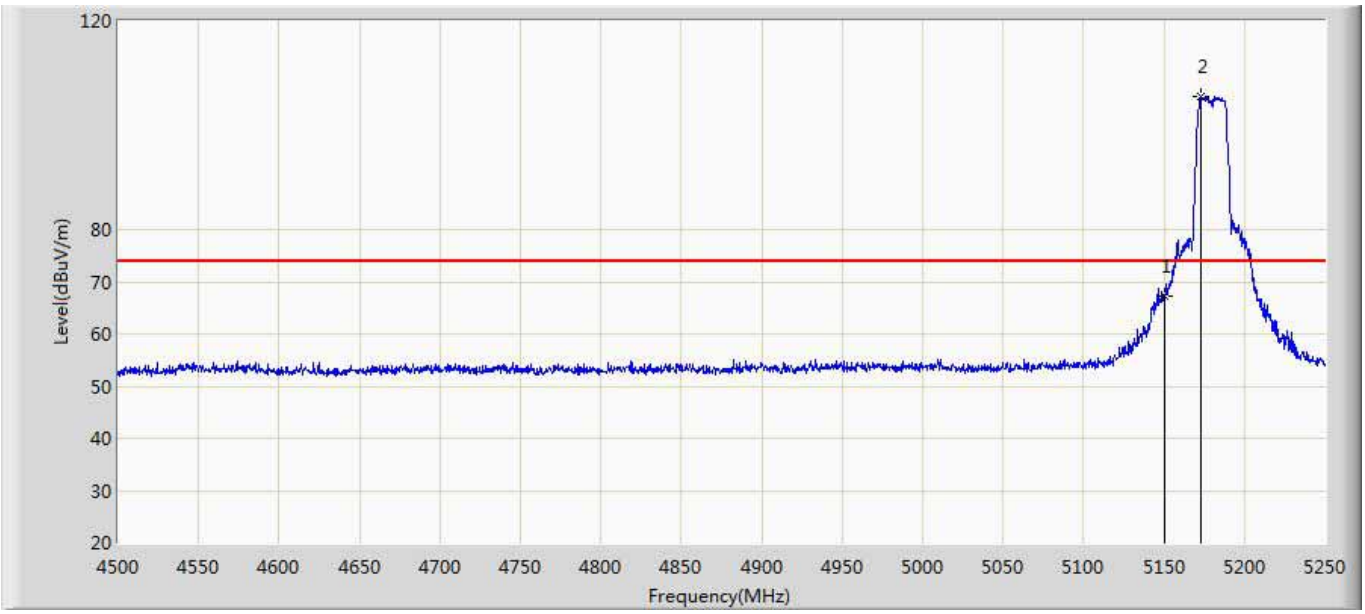
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5819.840	108.746	65.355	N/A	N/A	43.390	PK
2		5853.360	70.600	27.105	-7.700	78.300	43.495	PK
3		5860.800	67.343	23.791	-0.957	68.300	43.552	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 10:46
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5825Mhz by 802.11n20 with Ant1	



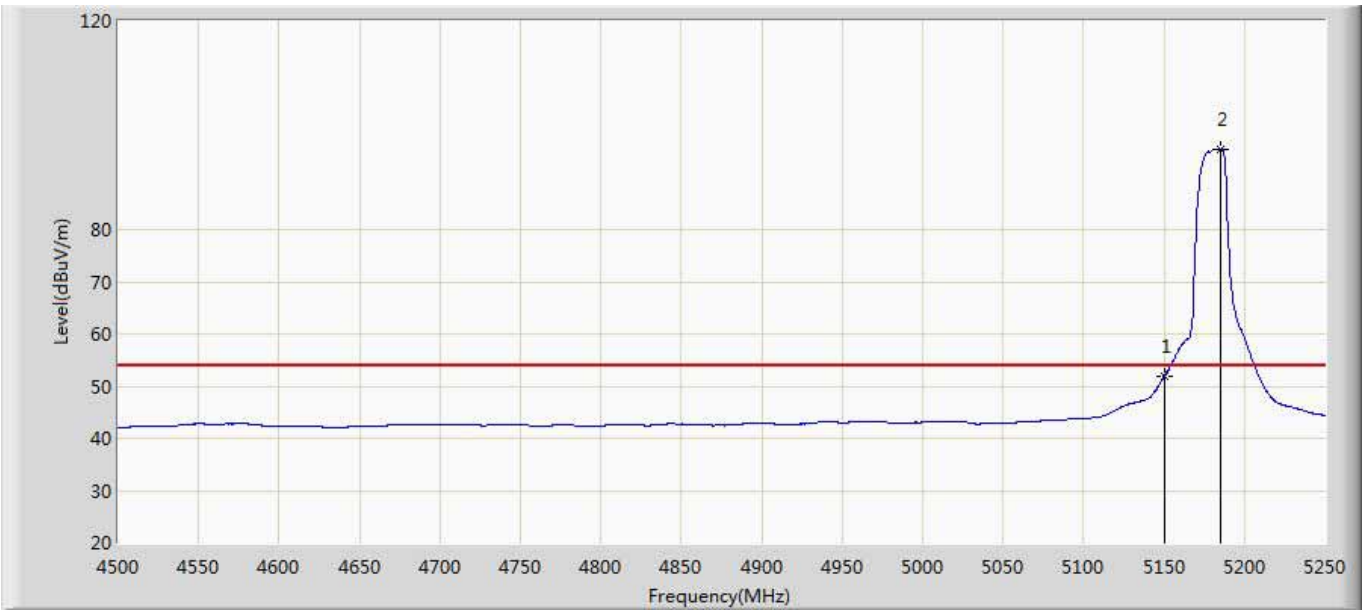
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5827.200	103.525	60.117	N/A	N/A	43.408	PK
2		5857.120	63.590	20.066	-14.710	78.300	43.524	PK
3		5862.480	61.888	18.325	-6.412	68.300	43.563	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 11:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5180Mhz by 802.11n20 with Ant2	



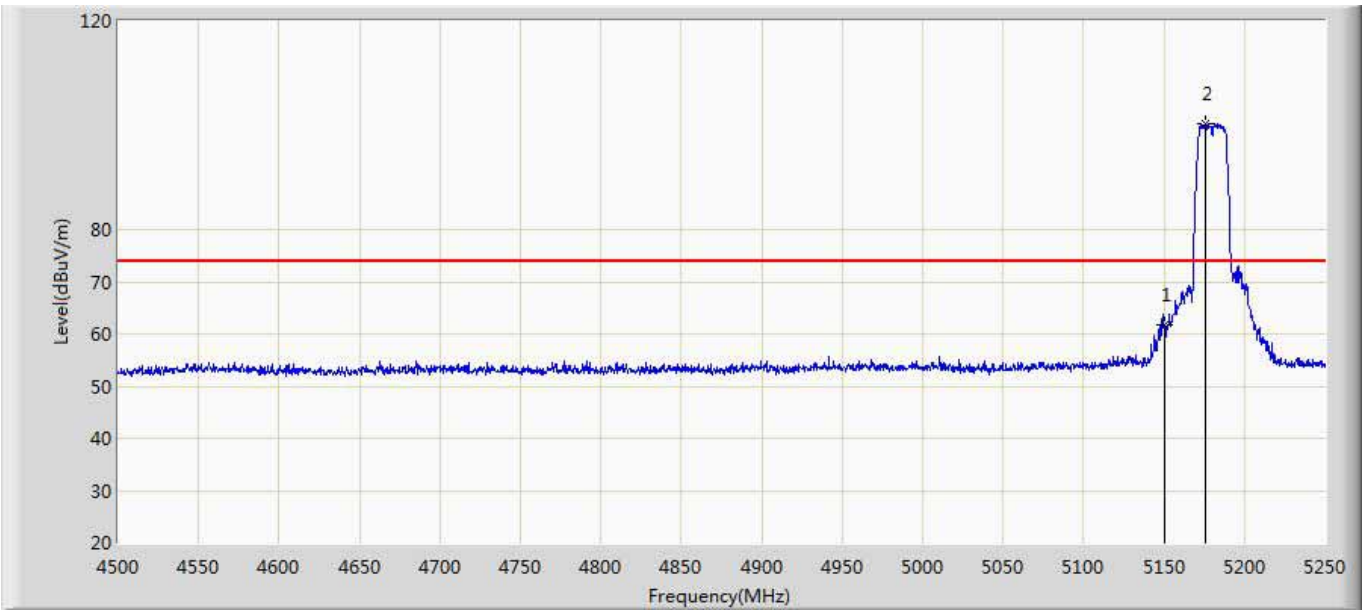
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	67.324	24.919	-6.676	74.000	42.405	PK
2	*	5172.750	105.399	62.850	N/A	N/A	42.549	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 11:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5180Mhz by 802.11n20 with Ant2	



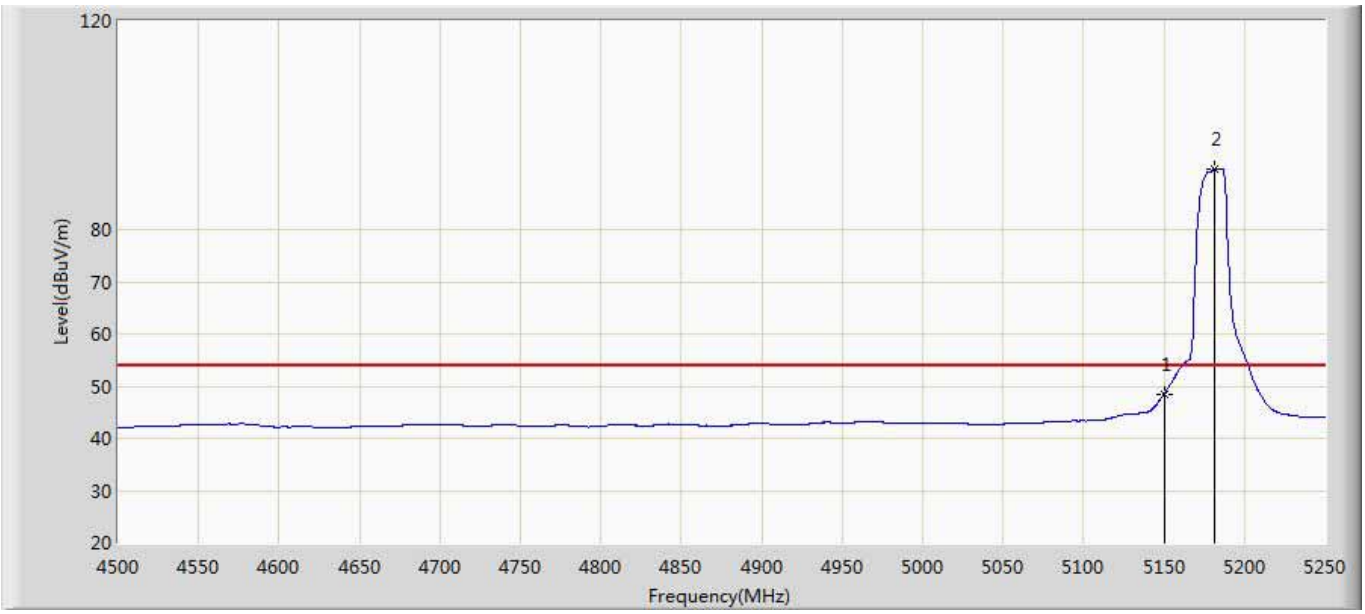
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	51.811	9.406	-2.189	54.000	42.405	AV
2	*	5185.125	95.404	52.868	N/A	N/A	42.536	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 11:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5180Mhz by 802.11n20 with Ant2	



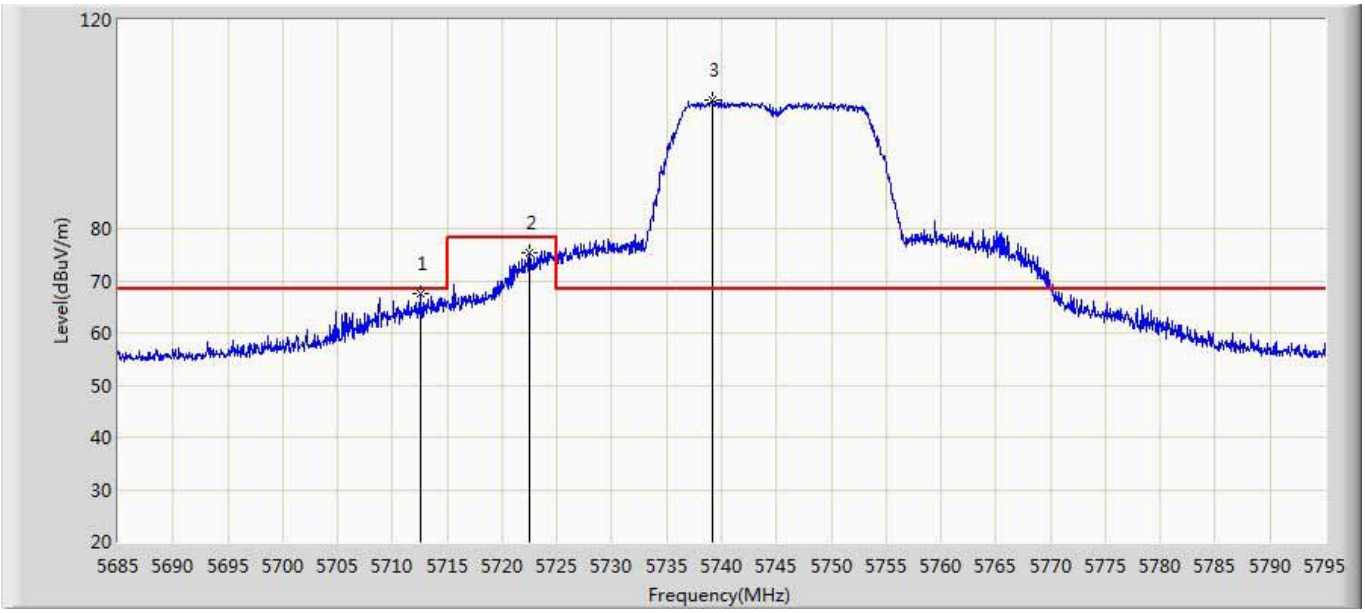
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	61.677	19.272	-12.323	74.000	42.405	PK
2	*	5176.125	100.335	57.784	N/A	N/A	42.551	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 11:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5180Mhz by 802.11n20 with Ant2	



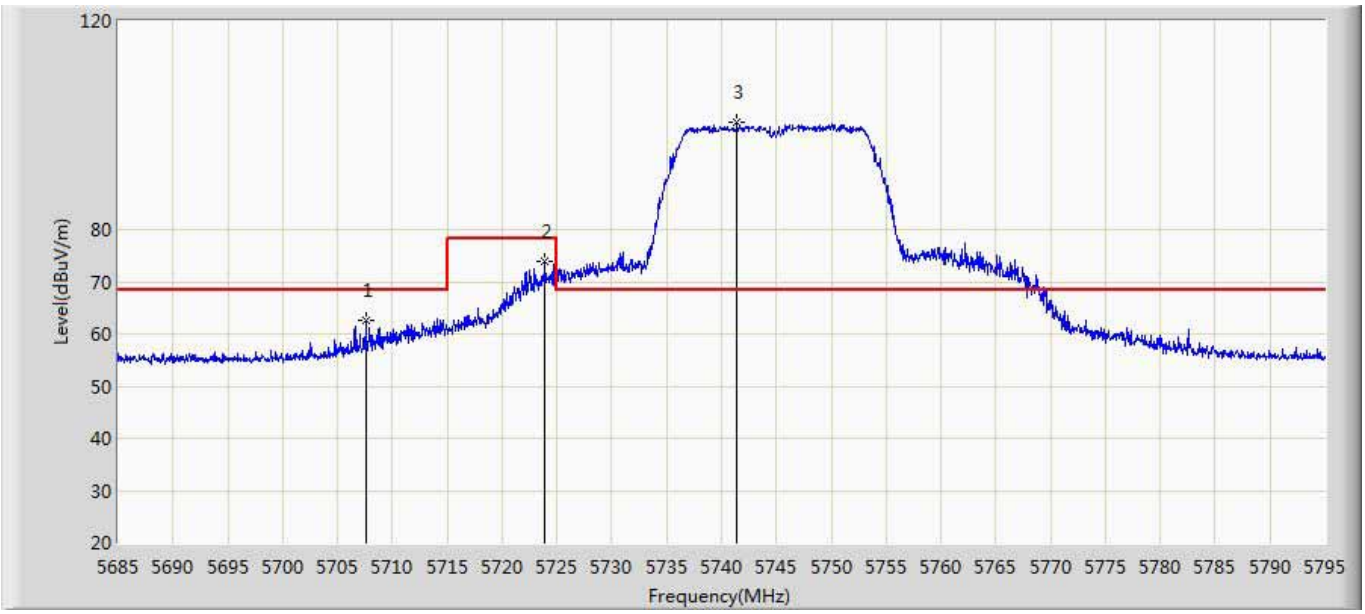
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	48.521	6.116	-5.479	54.000	42.405	AV
2	*	5181.750	91.588	49.034	N/A	N/A	42.555	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 10:52
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5745Mhz by 802.11n20 with Ant2	



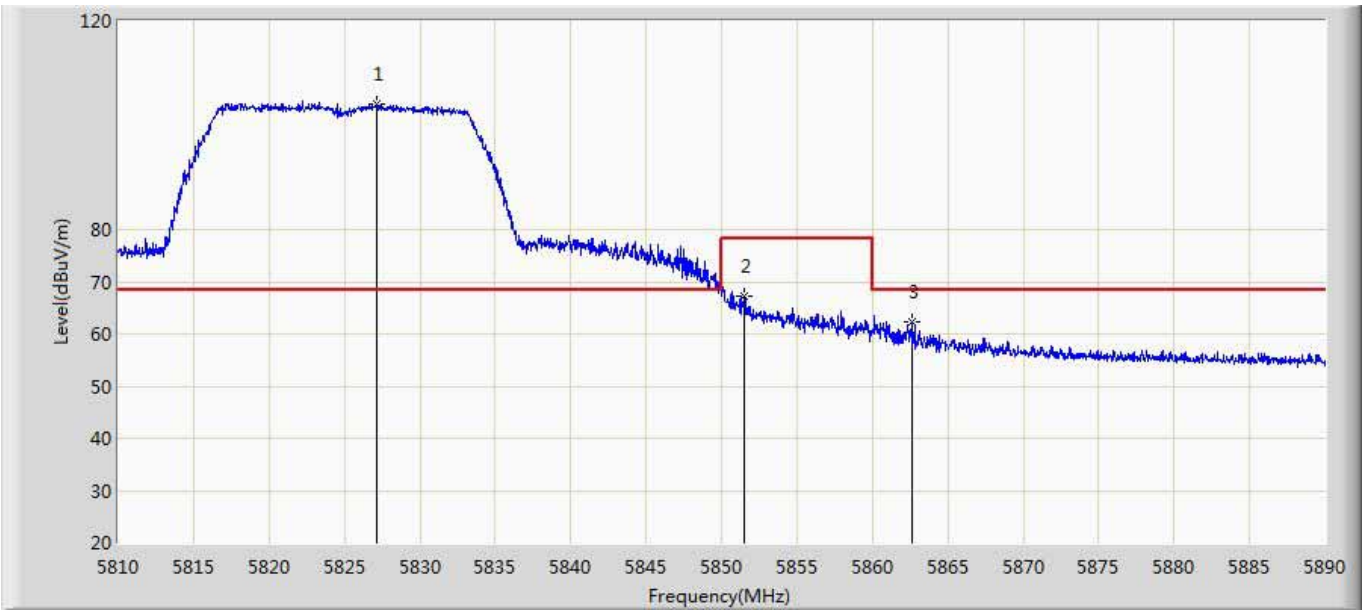
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5712.610	67.553	24.245	-0.747	68.300	43.308	PK
2		5722.455	75.467	32.192	-2.833	78.300	43.274	PK
3	*	5739.230	104.573	61.279	N/A	N/A	43.294	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 11:02
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5745Mhz by 802.11n20 with Ant2	



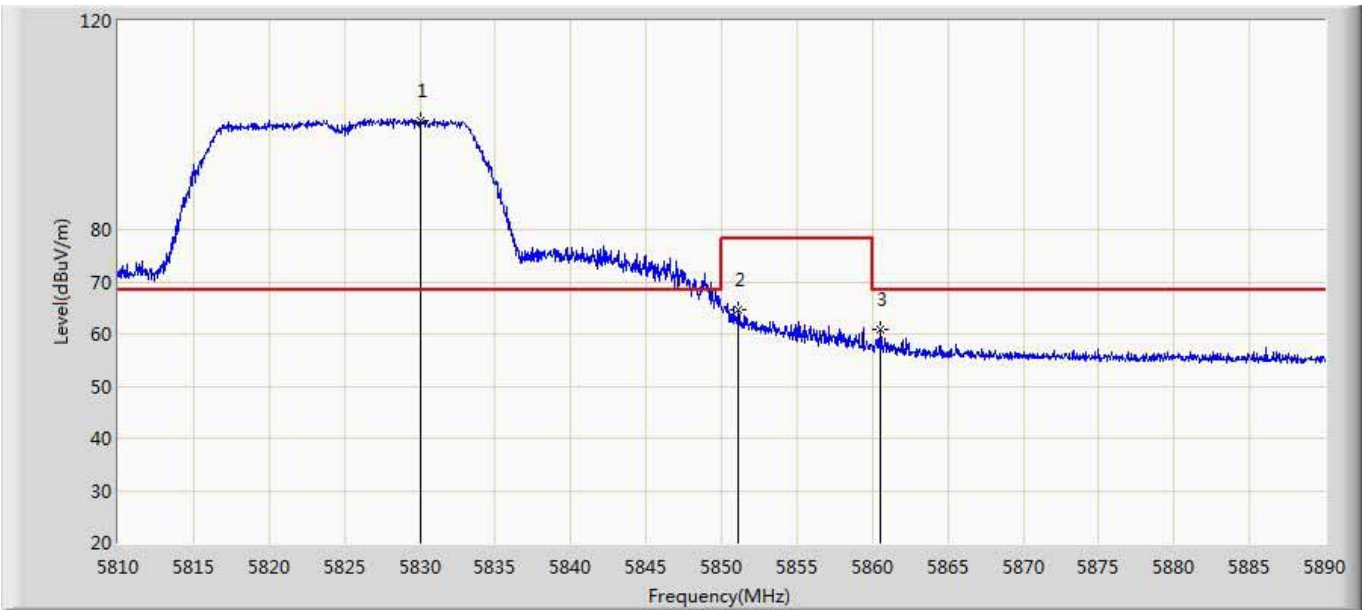
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5707.605	62.551	19.235	-5.749	68.300	43.316	PK
2		5723.940	73.985	30.715	-4.315	78.300	43.269	PK
3	*	5741.375	100.509	57.210	N/A	N/A	43.299	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 11:06
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5825Mhz by 802.11n20 with Ant2	



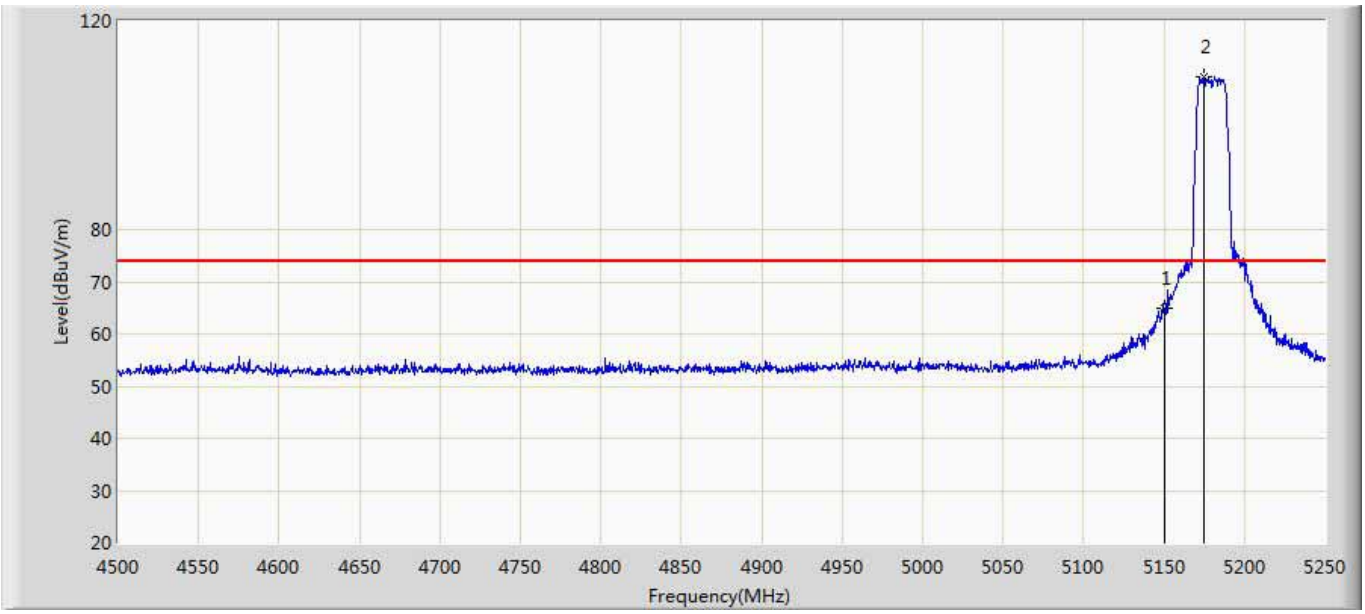
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5827.120	104.009	60.601	N/A	N/A	43.408	PK
2		5851.480	67.294	23.813	-11.006	78.300	43.480	PK
3		5862.680	62.345	18.782	-5.955	68.300	43.563	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 11:16
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5825Mhz by 802.11n20 with Ant2	



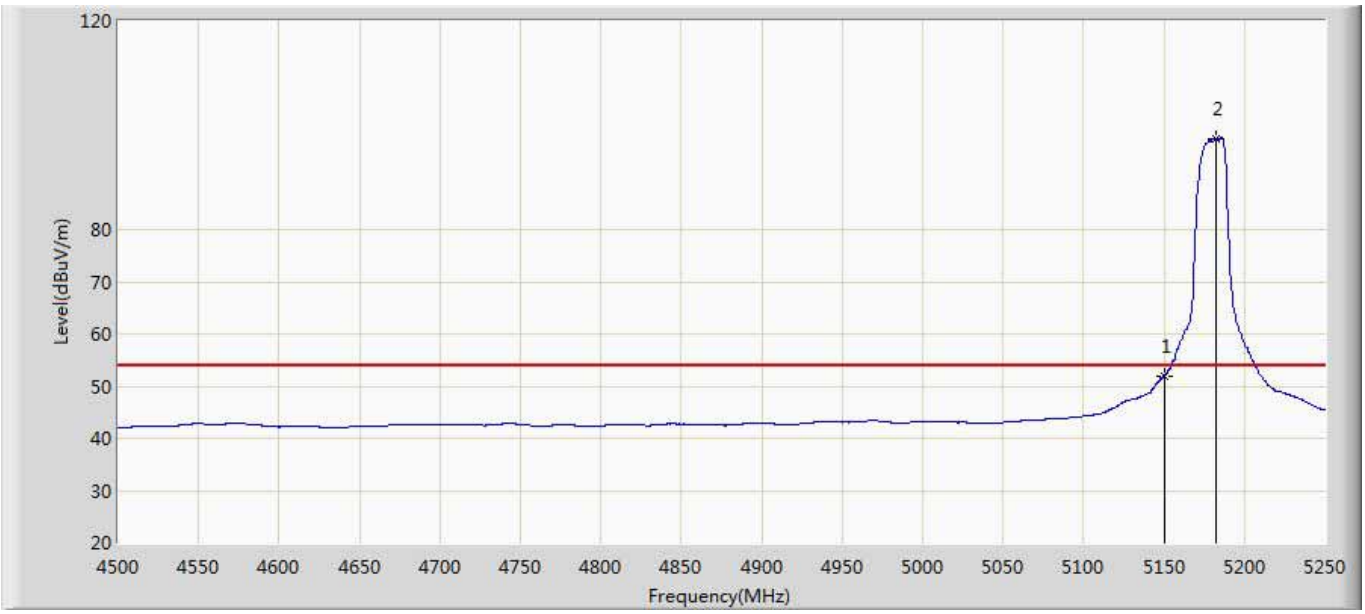
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5830.080	100.987	57.575	N/A	N/A	43.412	PK
2		5851.120	64.614	21.136	-13.686	78.300	43.478	PK
3		5860.480	60.953	17.403	-7.347	68.300	43.550	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 12:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5180Mhz by 802.11n20 with Ant1+2	



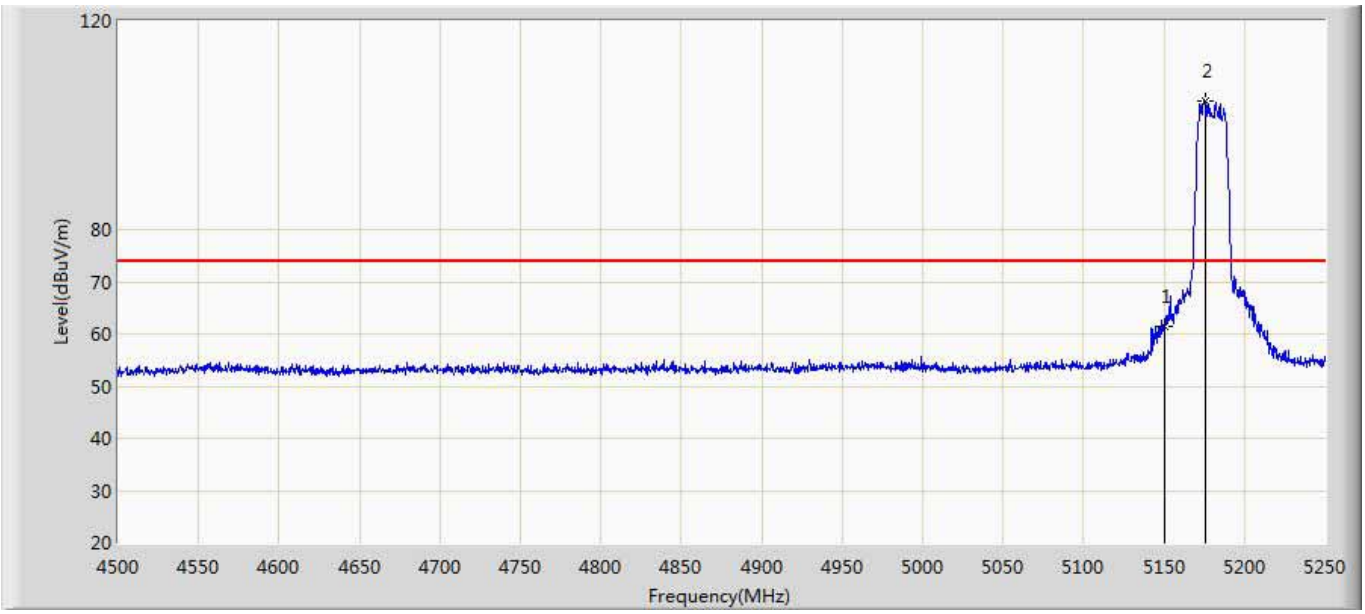
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	64.806	22.401	-9.194	74.000	42.405	PK
2	*	5174.625	109.296	66.746	N/A	N/A	42.550	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 12:16
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5180Mhz by 802.11n20 with Ant1+2	



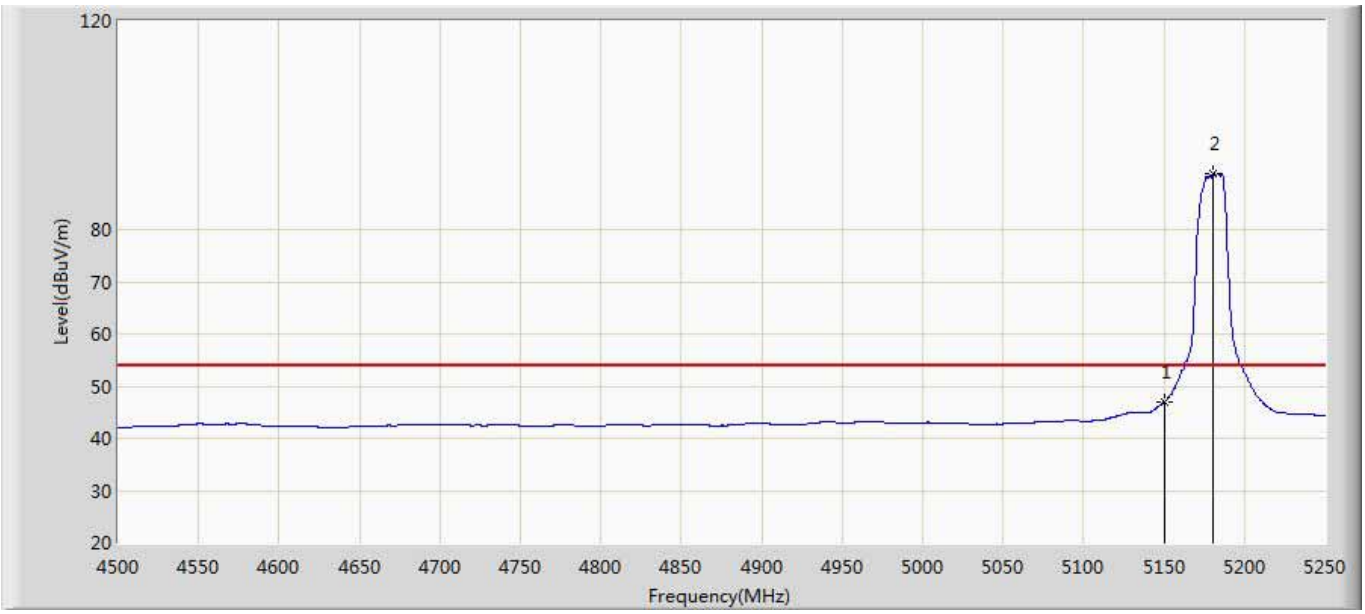
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	51.851	9.446	-2.149	54.000	42.405	AV
2	*	5182.500	97.485	54.934	N/A	N/A	42.552	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 12:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5180Mhz by 802.11n20 with Ant1+2	



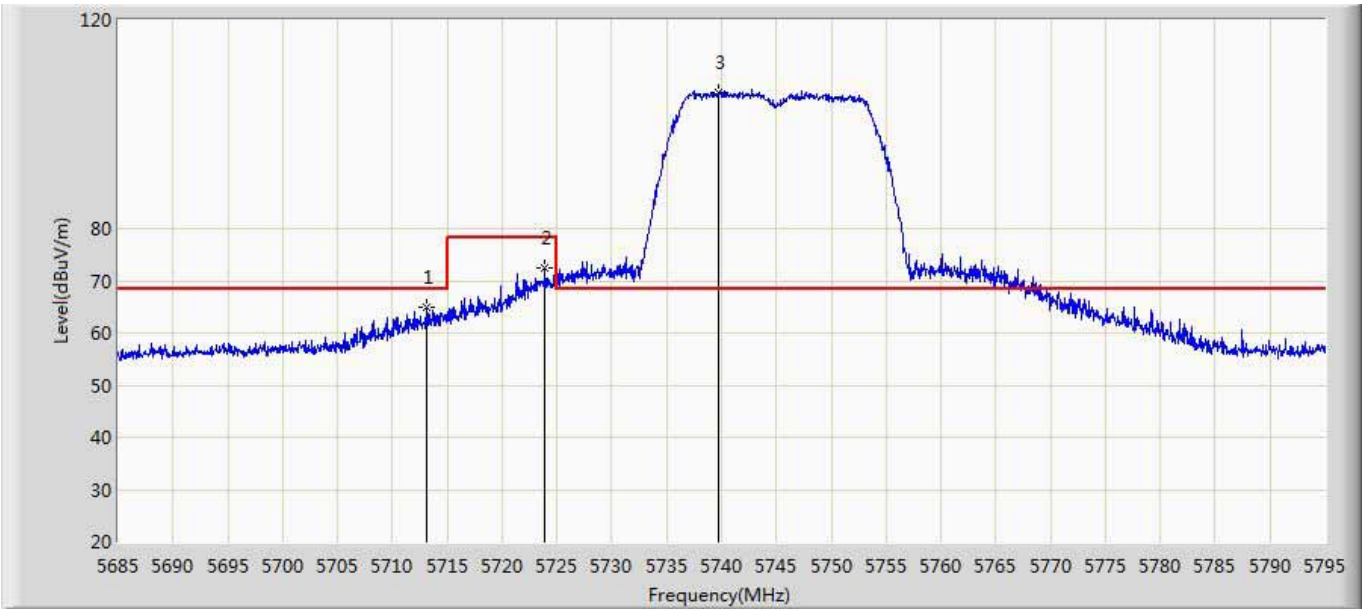
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	61.371	18.966	-12.629	74.000	42.405	PK
2	*	5175.375	104.652	62.102	N/A	N/A	42.550	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 12:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5180Mhz by 802.11n20 with Ant1+2	



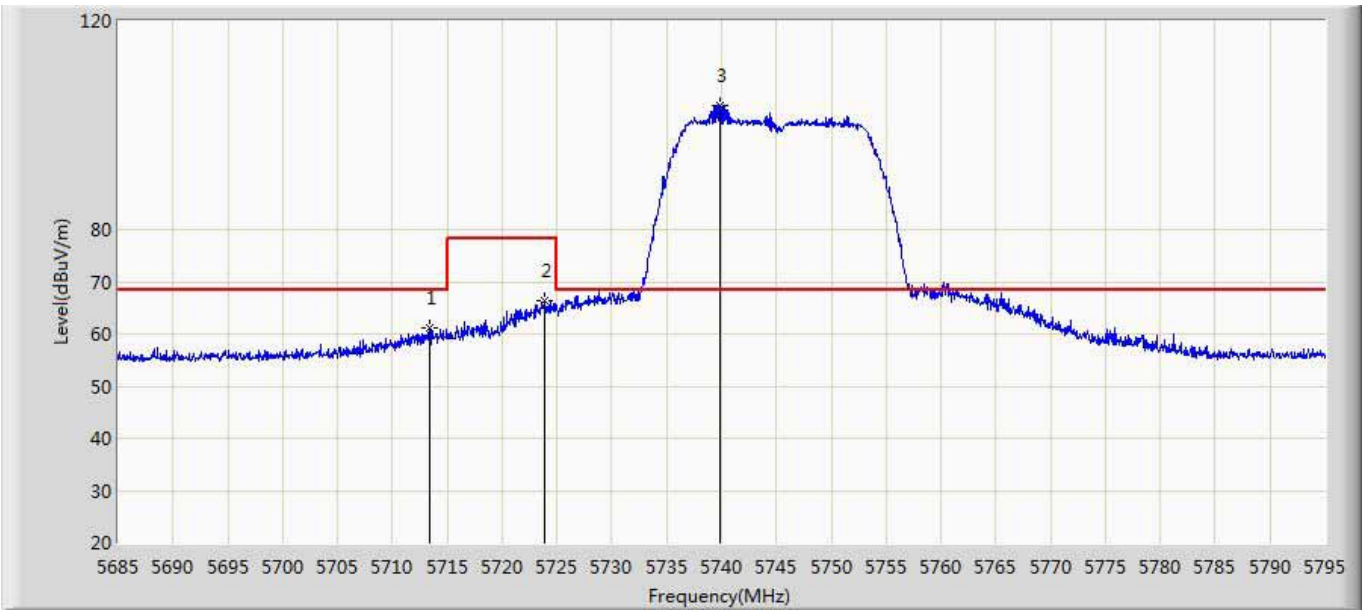
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	46.970	4.565	-7.030	54.000	42.405	AV
2	*	5180.625	90.673	48.119	N/A	N/A	42.554	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 11:19
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5745Mhz by 802.11n20 with Ant1+2	



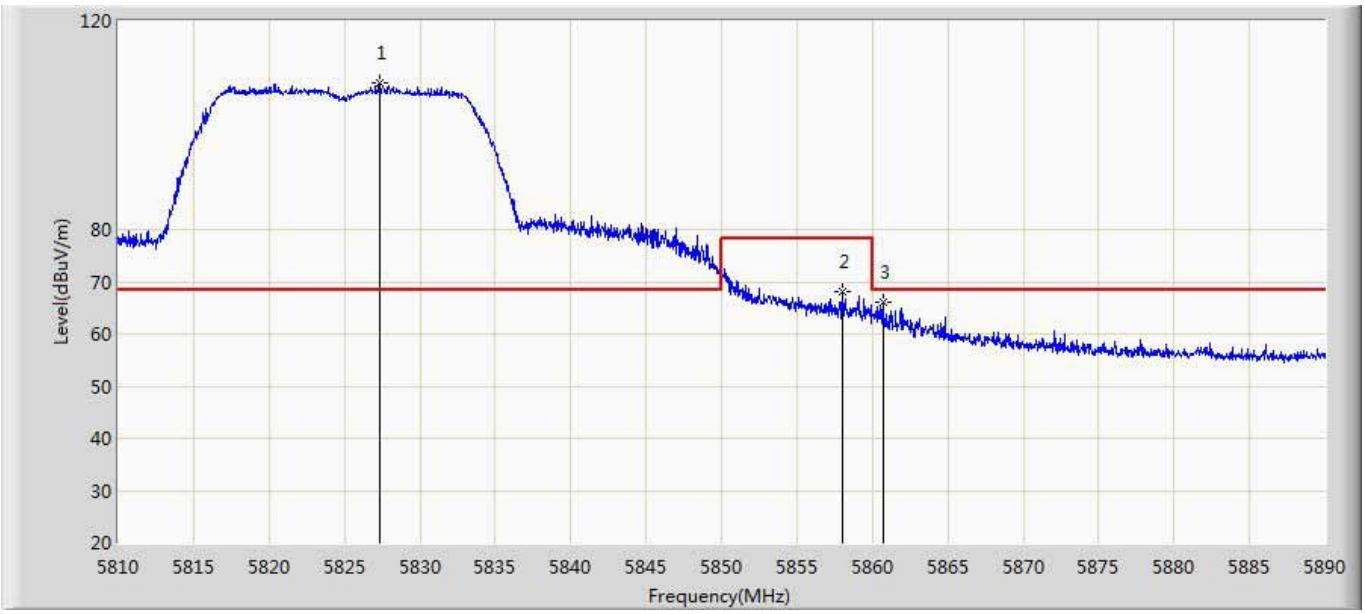
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5713.105	64.865	21.559	-3.435	68.300	43.307	PK
2		5723.940	72.416	29.146	-5.884	78.300	43.269	PK
3	*	5739.670	106.218	62.923	N/A	N/A	43.295	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 11:46
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5745Mhz by 802.11n20 with Ant1+2	



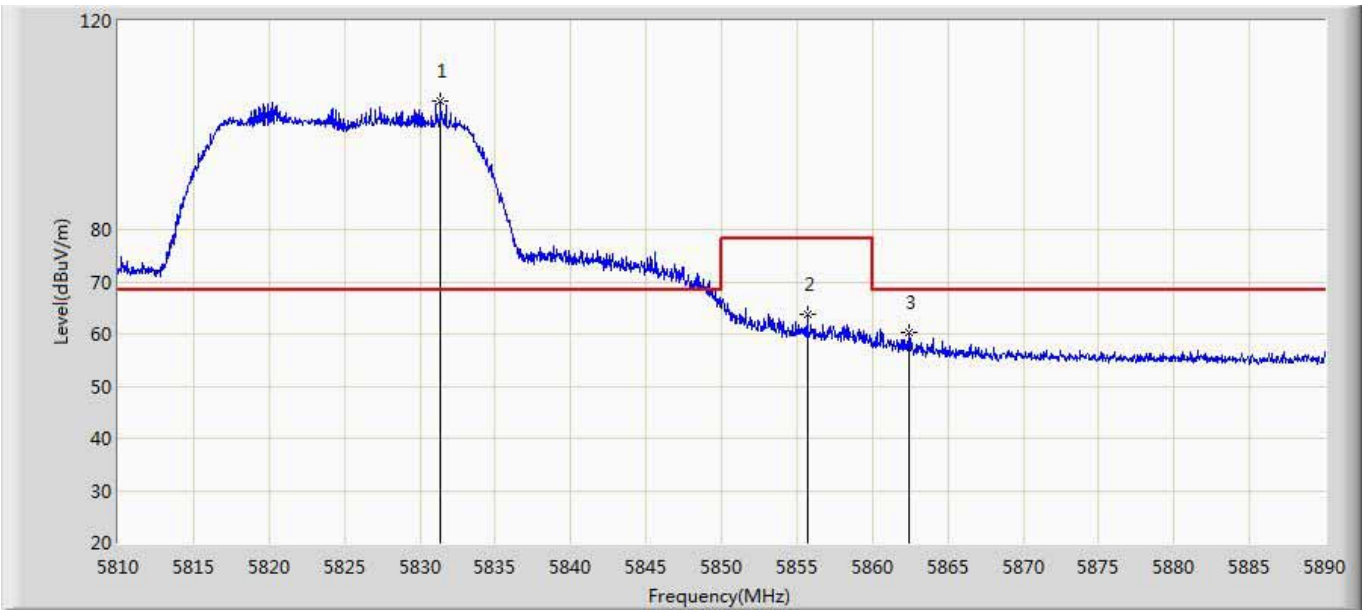
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5713.380	61.139	17.834	-7.161	68.300	43.306	PK
2		5723.940	66.498	23.228	-11.802	78.300	43.269	PK
3	*	5739.835	103.861	60.566	N/A	N/A	43.296	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 11:50
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5825Mhz by 802.11n20 with Ant1+2	



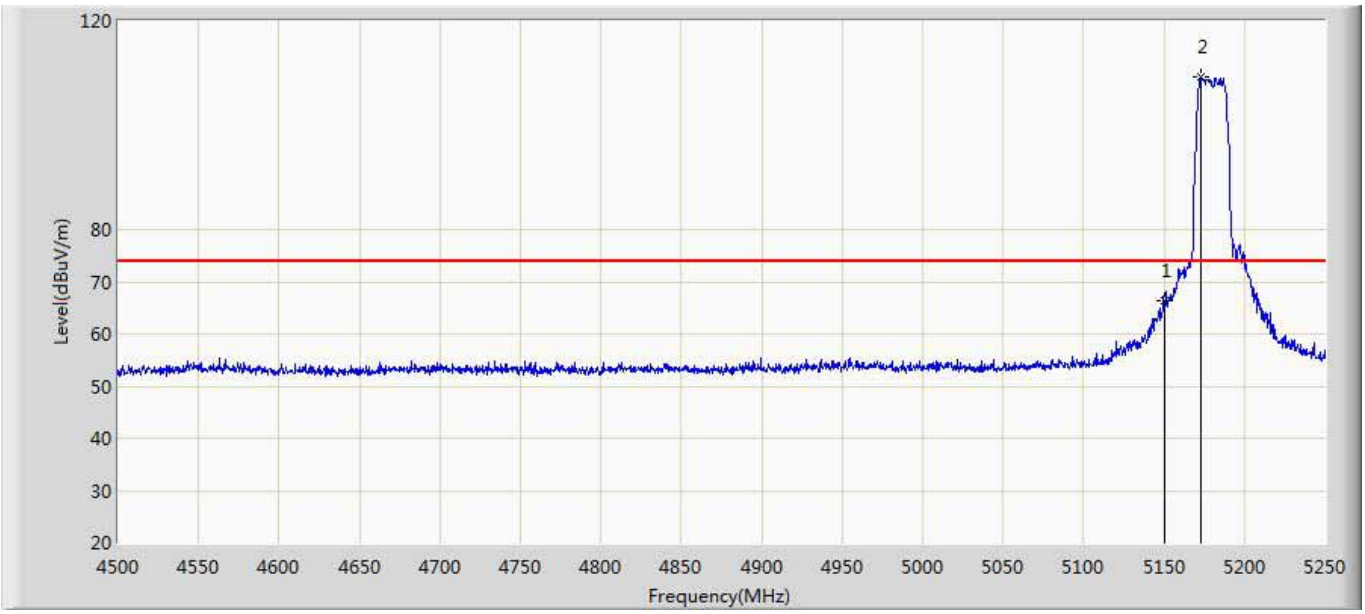
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5827.360	107.973	64.565	N/A	N/A	43.408	PK
2		5858.000	68.084	24.553	-10.216	78.300	43.530	PK
3		5860.680	66.102	22.551	-2.198	68.300	43.551	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 11:55
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 2:Transmit at CH5825Mhz by 802.11n20 with Ant1+2	



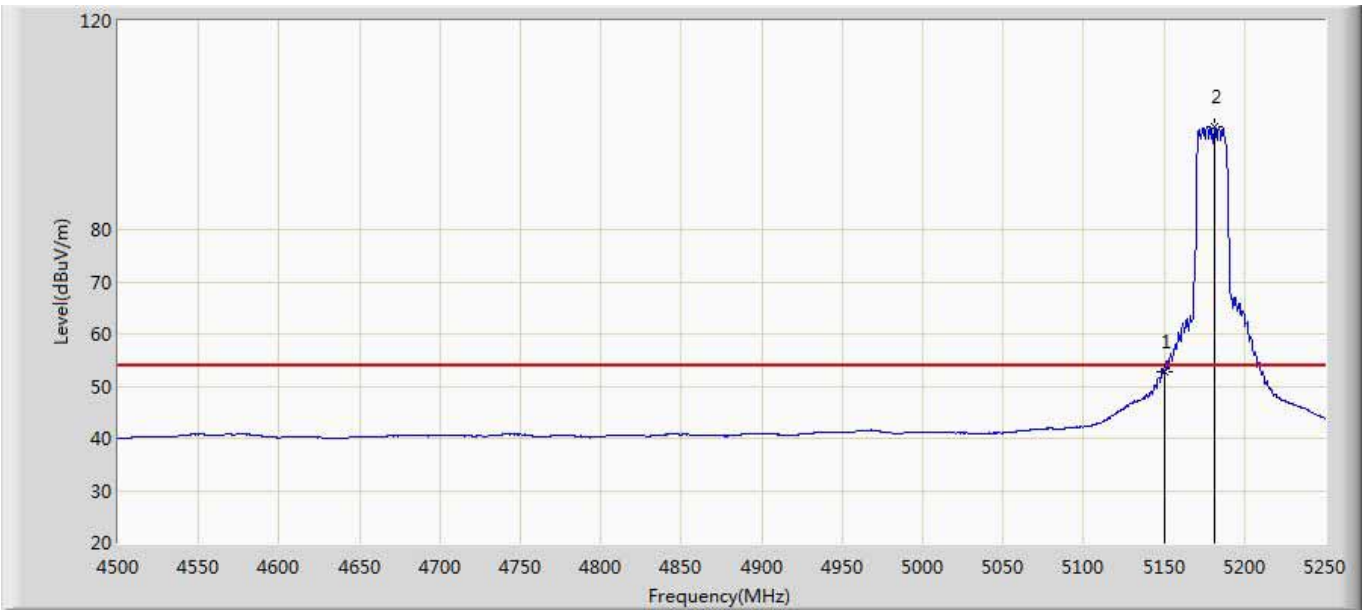
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5831.400	104.720	61.306	N/A	N/A	43.414	PK
2		5855.680	63.882	20.369	-14.418	78.300	43.513	PK
3		5862.440	60.264	16.701	-8.036	68.300	43.563	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 14:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 3:Transmit at CH5180Mhz by 802.11ac20 with Ant1	



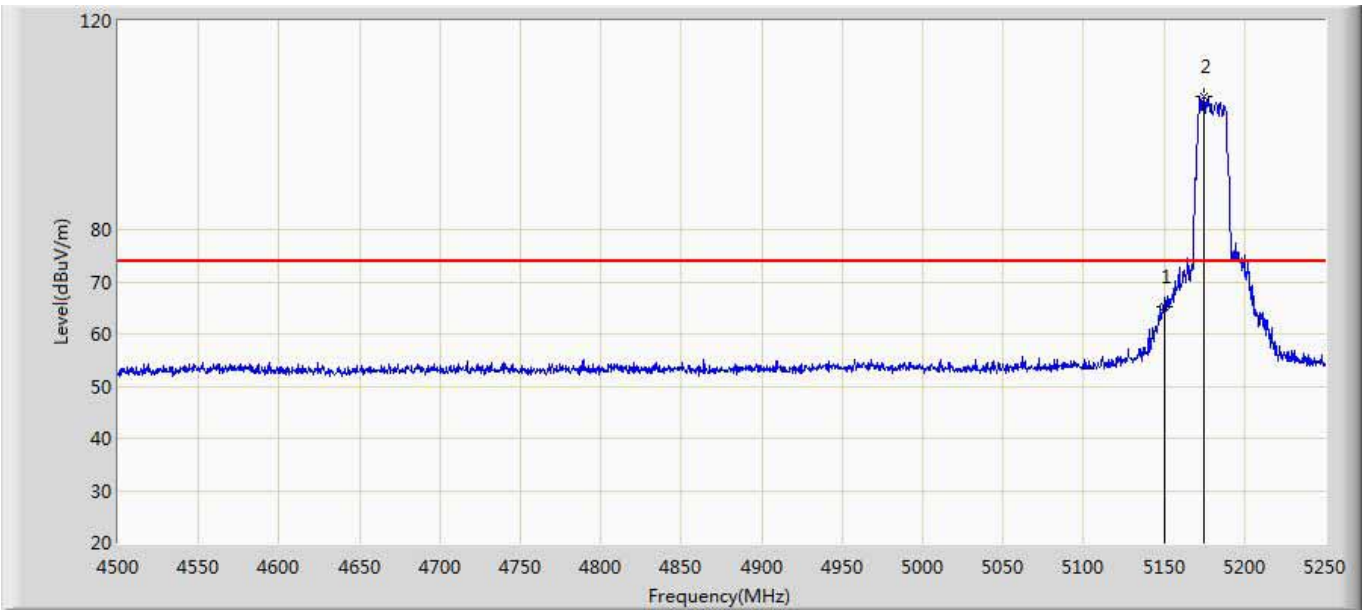
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	66.305	23.900	-7.695	74.000	42.405	PK
2	*	5172.750	109.156	66.607	N/A	N/A	42.549	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 14:18
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 3:Transmit at CH5180Mhz by 802.11ac20 with Ant1	



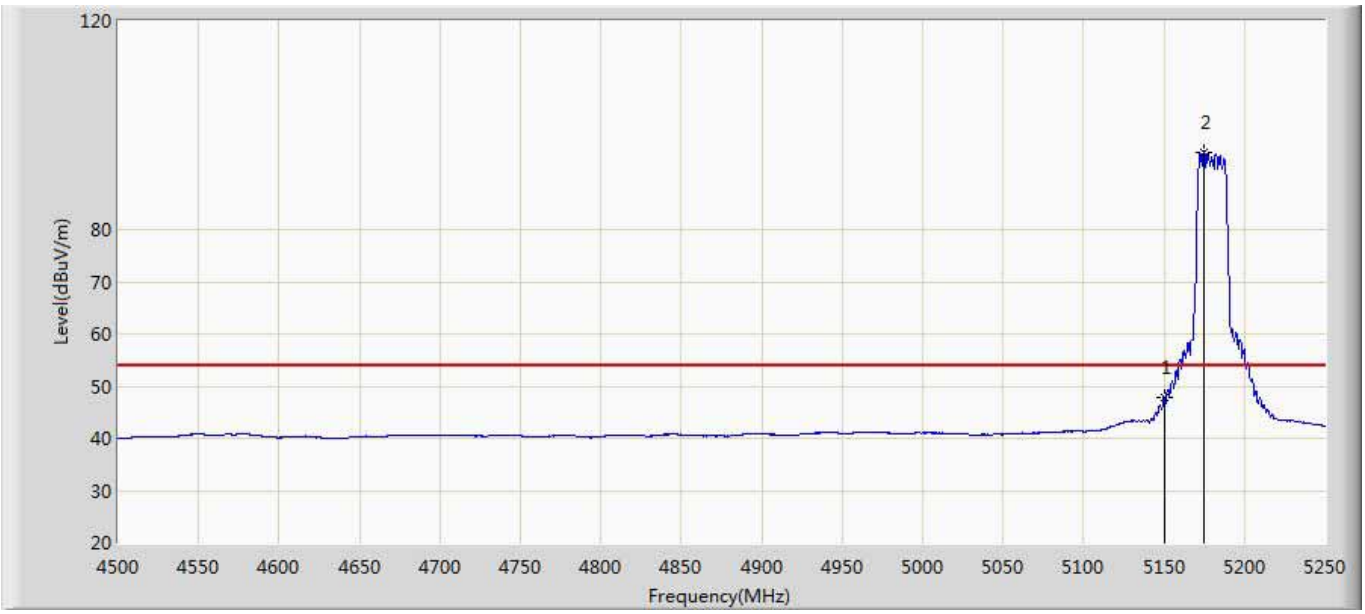
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	52.686	10.281	-1.314	54.000	42.405	AV
2	*	5181.750	99.665	57.111	N/A	N/A	42.555	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 14:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 3:Transmit at CH5180Mhz by 802.11ac20 with Ant1	



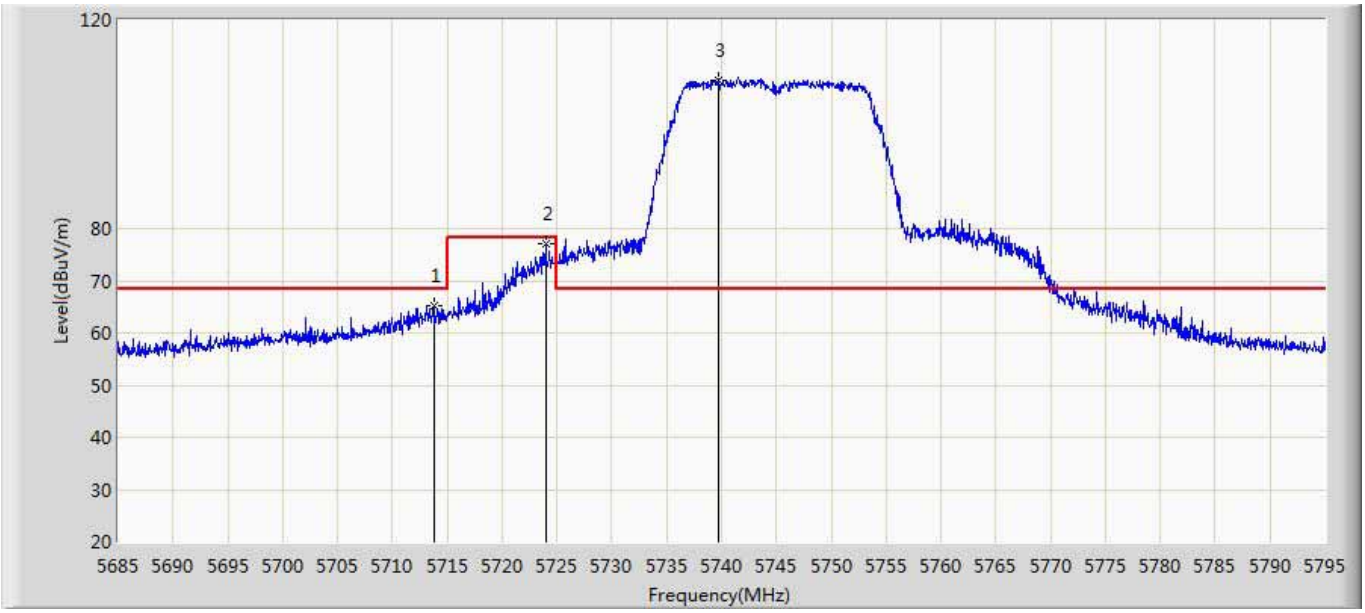
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	65.171	22.766	-8.829	74.000	42.405	PK
2	*	5174.625	105.505	62.955	N/A	N/A	42.550	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 14:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 3:Transmit at CH5180Mhz by 802.11ac20 with Ant1	



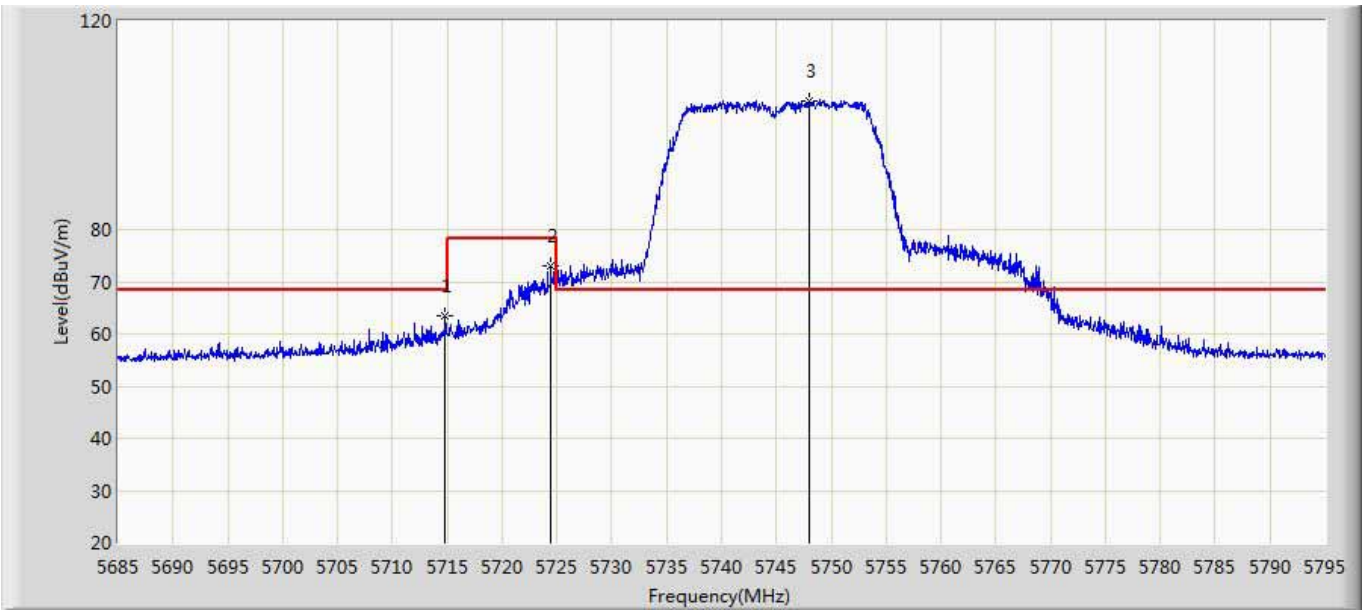
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	47.819	5.414	-6.181	54.000	42.405	AV
2	*	5174.625	94.900	52.350	N/A	N/A	42.550	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 14:35
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 3:Transmit at CH5745Mhz by 802.11ac20 with Ant1	



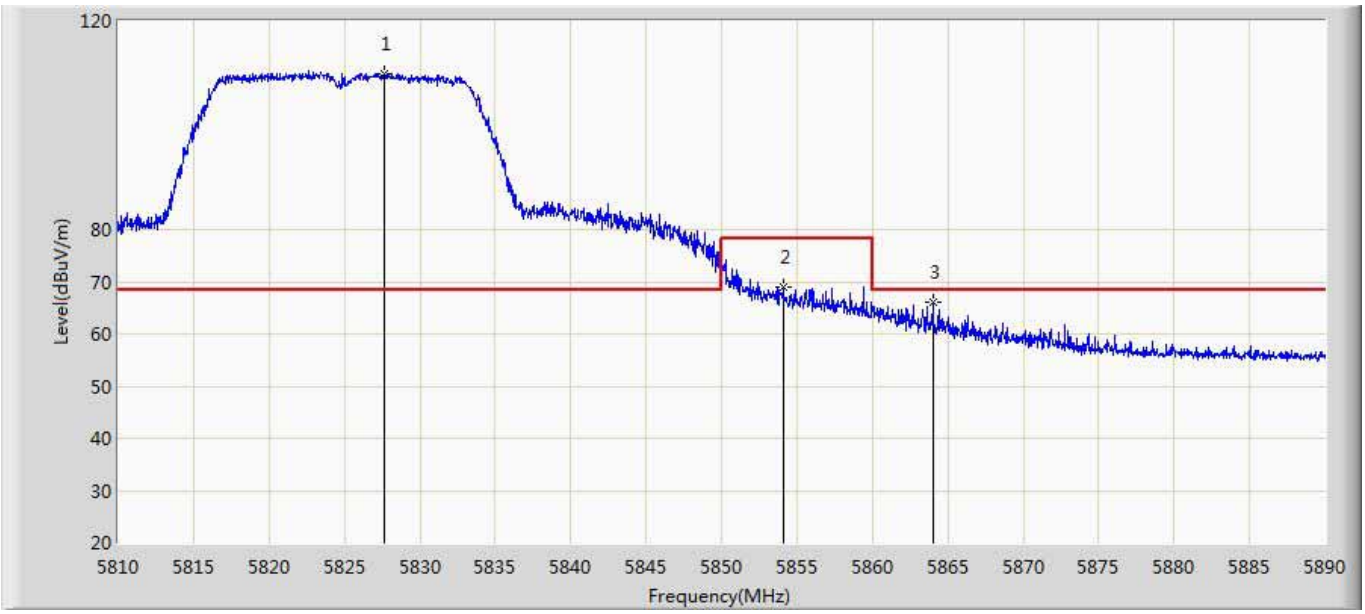
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5713.765	65.090	21.786	-3.210	68.300	43.304	PK
2		5723.995	77.035	33.766	-1.265	78.300	43.269	PK
3	*	5739.725	108.539	65.244	N/A	N/A	43.295	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 14:38
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 3:Transmit at CH5745Mhz by 802.11ac20 with Ant1	



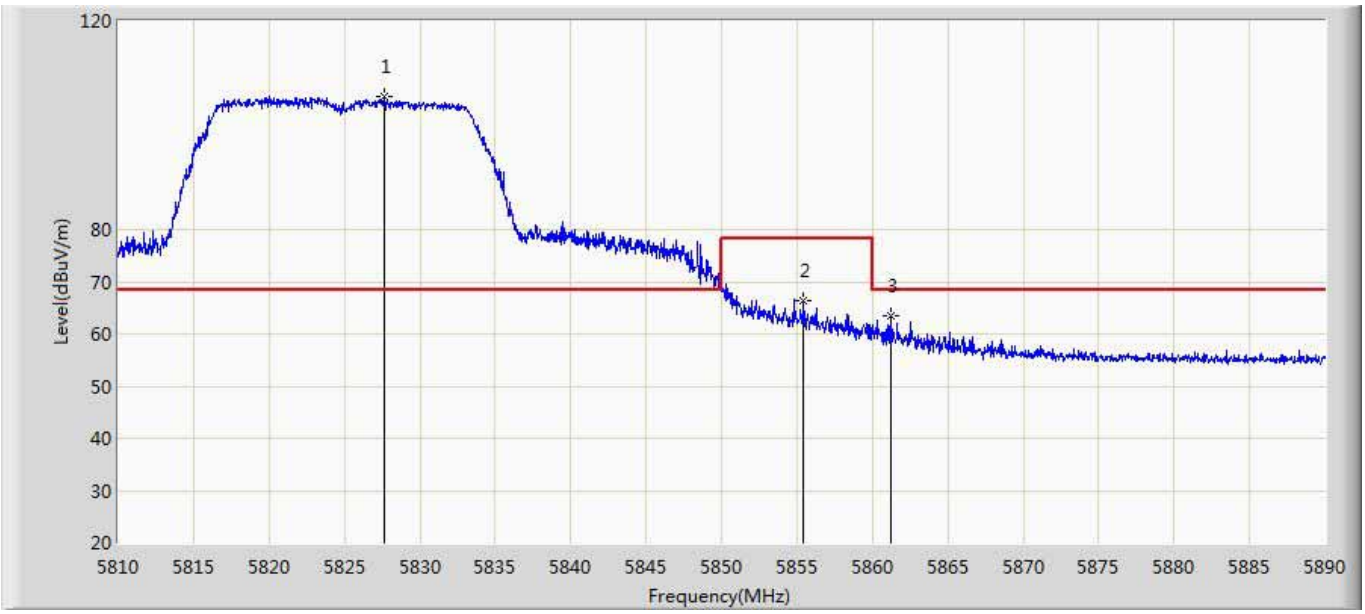
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5714.810	63.571	20.270	-4.729	68.300	43.301	PK
2		5724.435	72.917	29.649	-5.383	78.300	43.268	PK
3	*	5747.975	104.712	61.427	N/A	N/A	43.285	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 14:42
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 3:Transmit at CH5825Mhz by 802.11ac20 with Ant1	



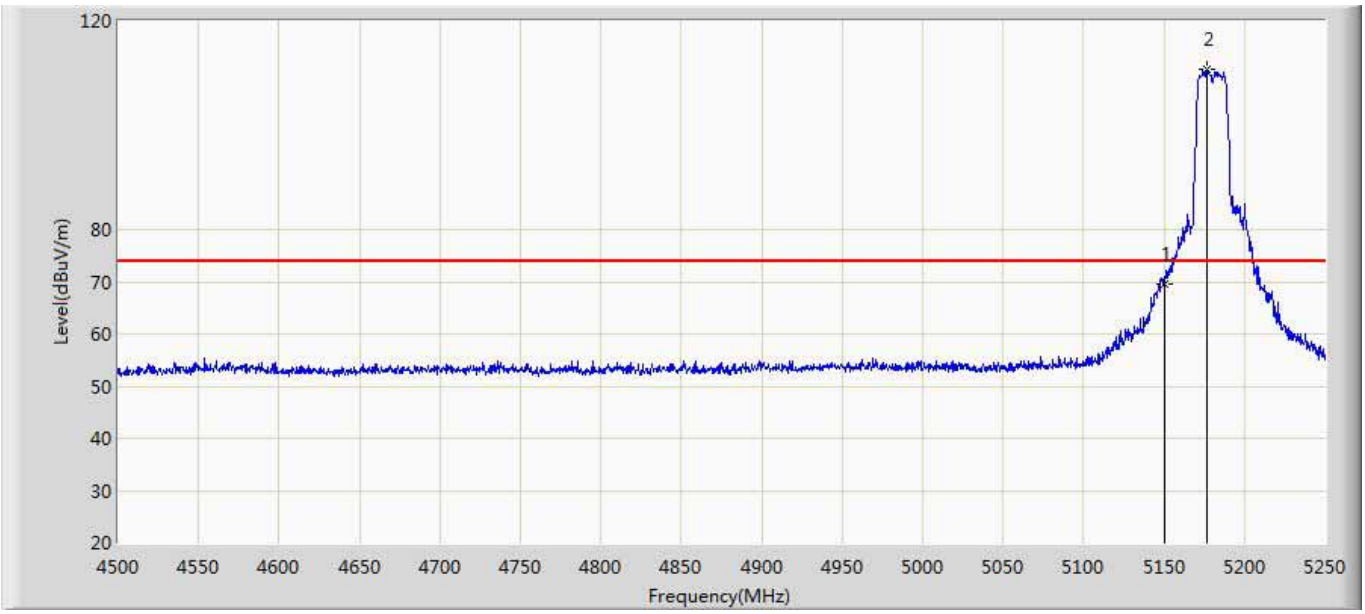
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5827.640	109.874	66.465	N/A	N/A	43.408	PK
2		5854.080	68.867	25.367	-9.433	78.300	43.501	PK
3		5864.000	65.945	22.378	-2.355	68.300	43.568	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 14:49
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 3:Transmit at CH5825Mhz by 802.11ac20 with Ant1	



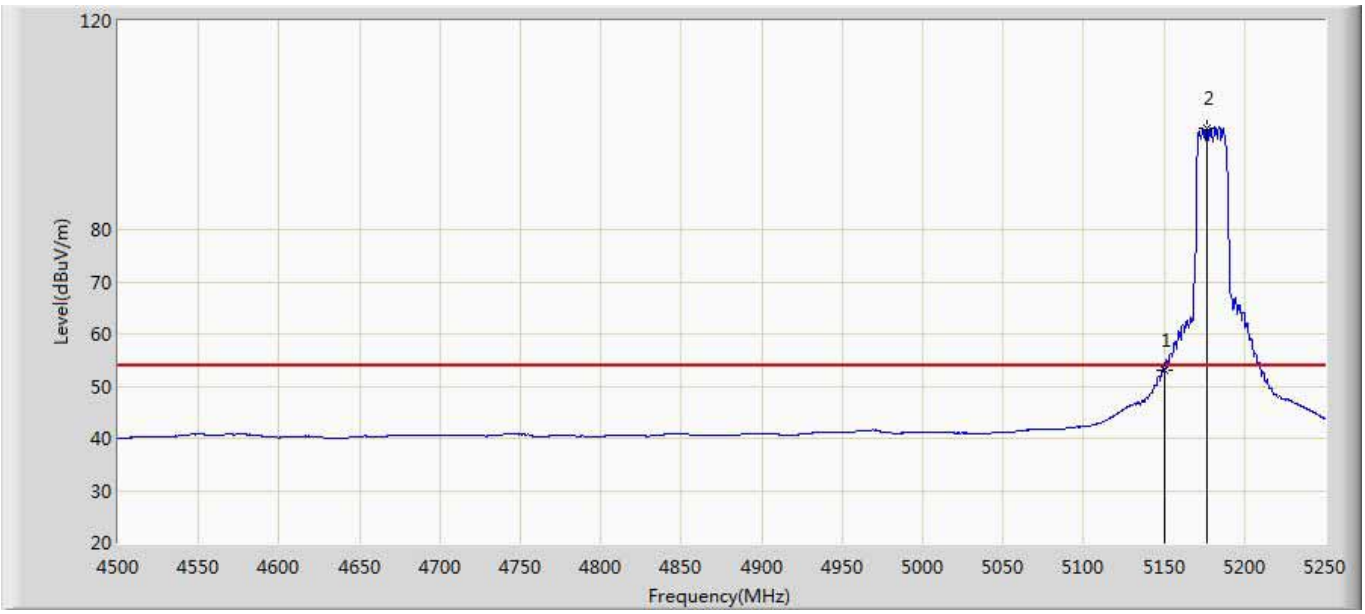
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5827.640	105.578	62.169	N/A	N/A	43.408	PK
2		5855.440	66.458	22.947	-11.842	78.300	43.511	PK
3		5861.240	63.552	19.997	-4.748	68.300	43.555	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 14:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 3:Transmit at CH5180Mhz by 802.11ac20 with Ant2	



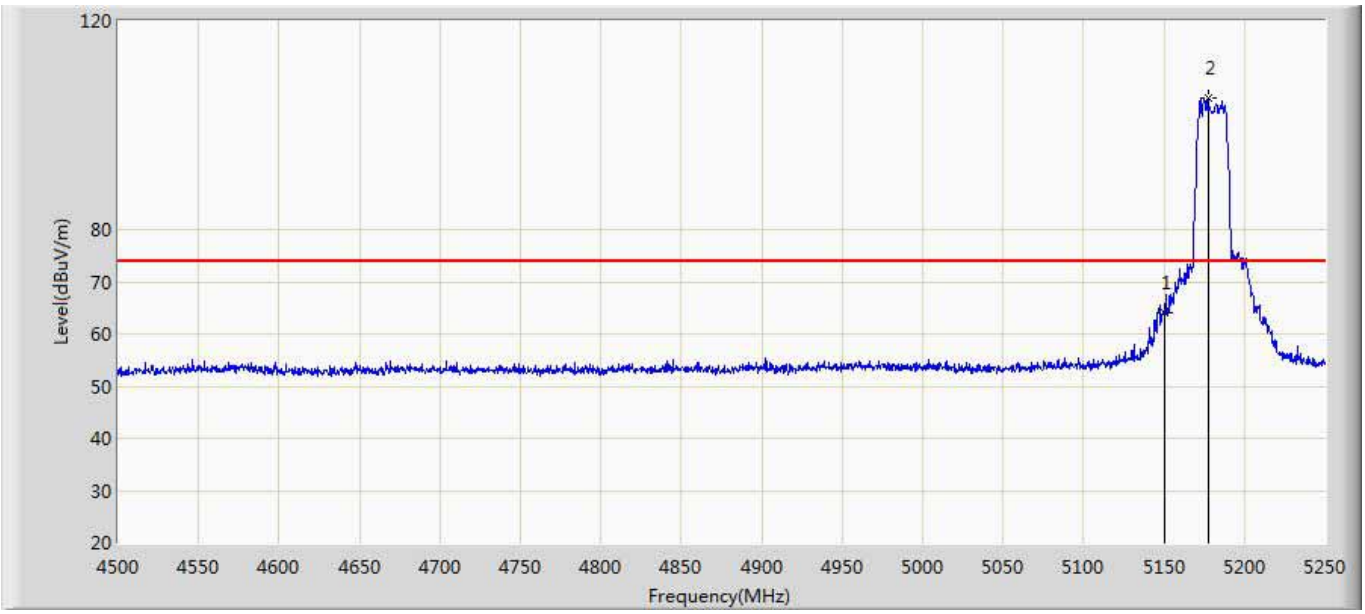
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	69.647	27.242	-4.353	74.000	42.405	PK
2	*	5176.875	110.857	68.306	N/A	N/A	42.551	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 14:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 3:Transmit at CH5180Mhz by 802.11ac20 with Ant2	



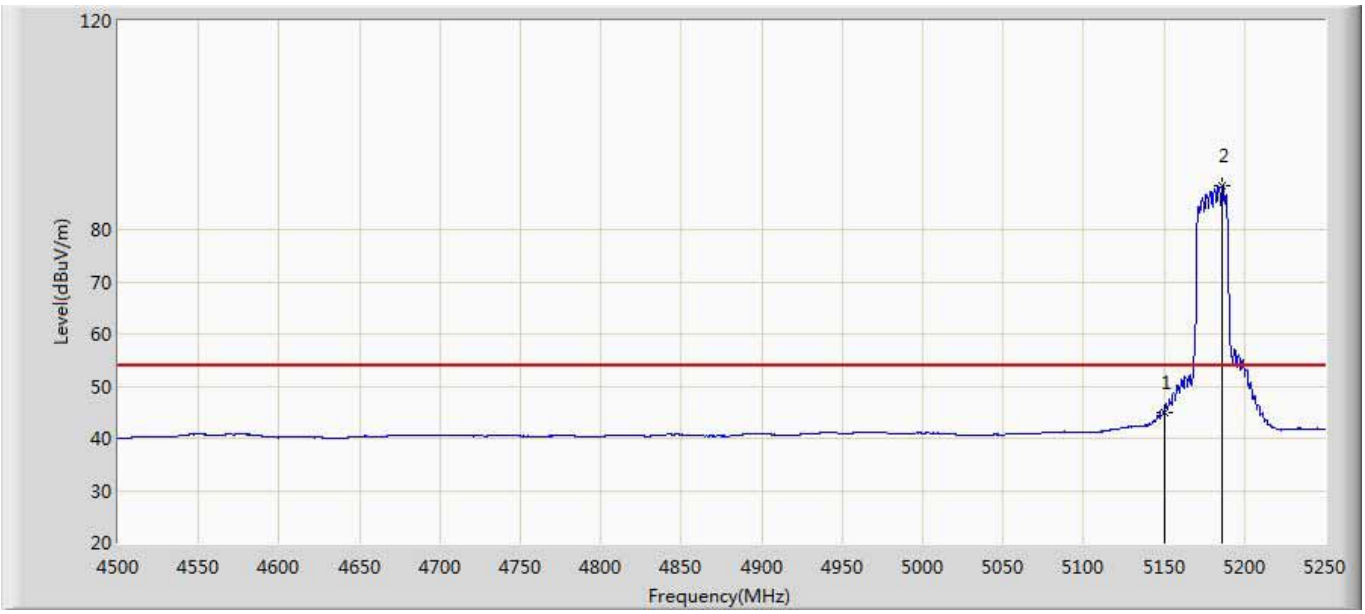
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	53.135	10.730	-0.865	54.000	42.405	AV
2	*	5176.500	99.410	56.859	N/A	N/A	42.551	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 14:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 3:Transmit at CH5180Mhz by 802.11ac20 with Ant2	



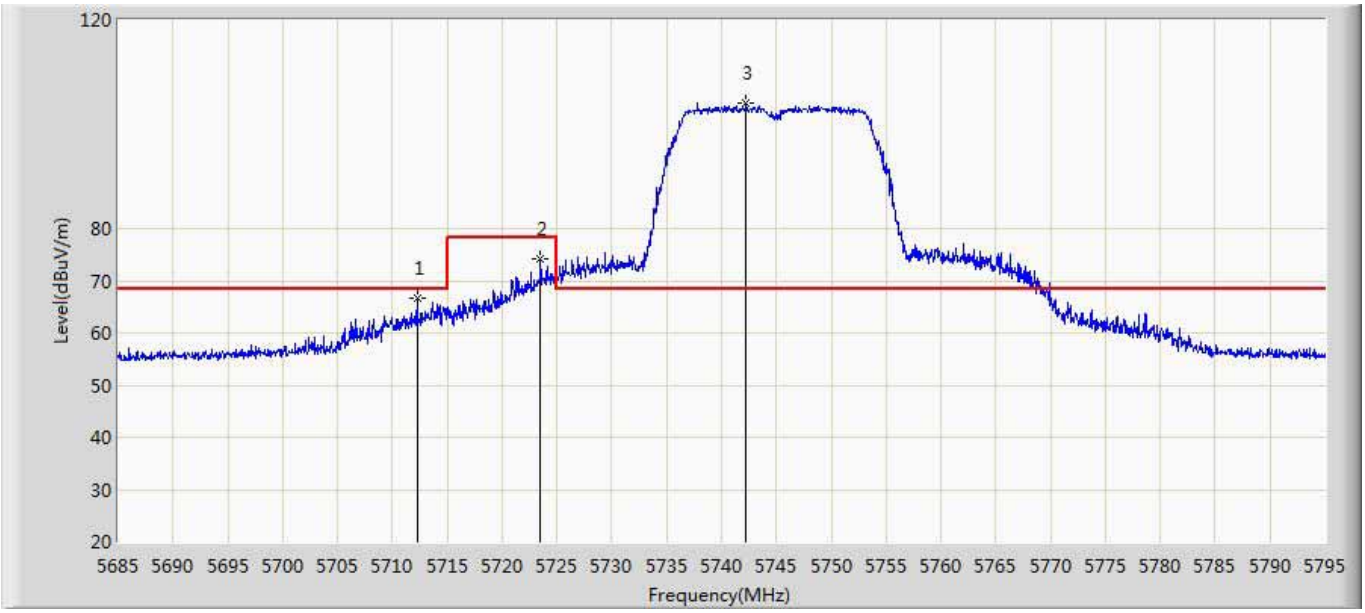
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	64.092	21.687	-9.908	74.000	42.405	PK
2	*	5177.250	105.282	62.730	N/A	N/A	42.551	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 14:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 3:Transmit at CH5180Mhz by 802.11ac20 with Ant2	



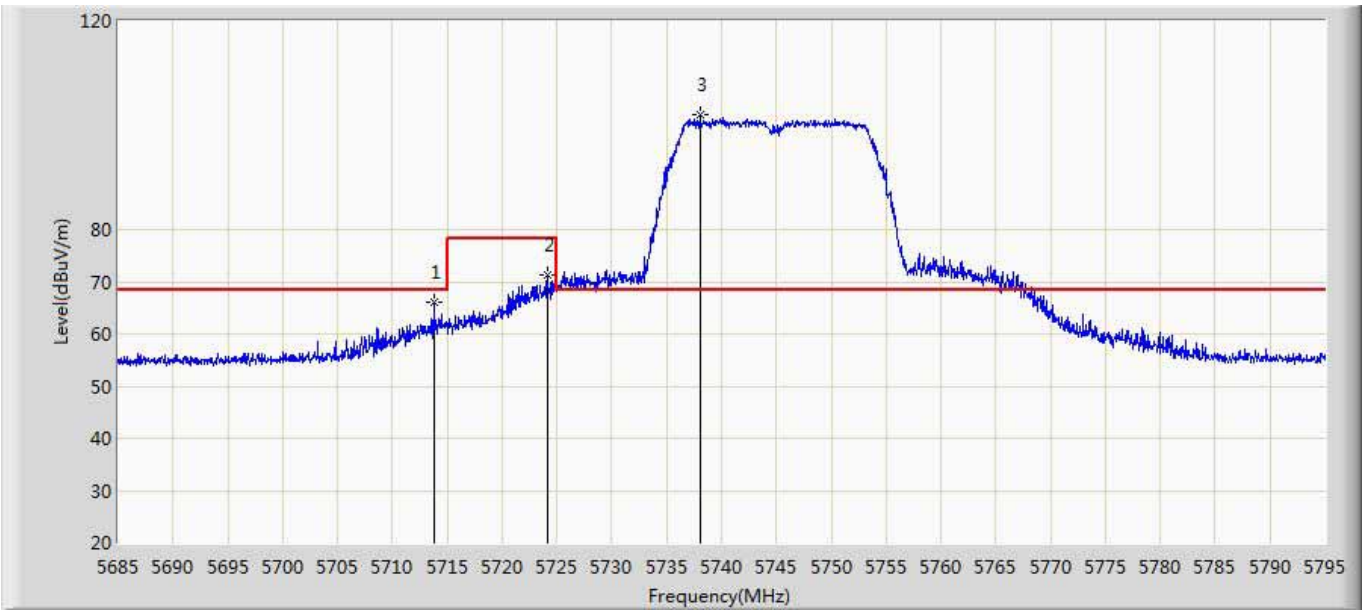
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	44.954	2.549	-9.046	54.000	42.405	AV
2	*	5186.250	88.324	45.794	N/A	N/A	42.530	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 14:50
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 3:Transmit at CH5745Mhz by 802.11ac20 with Ant2	



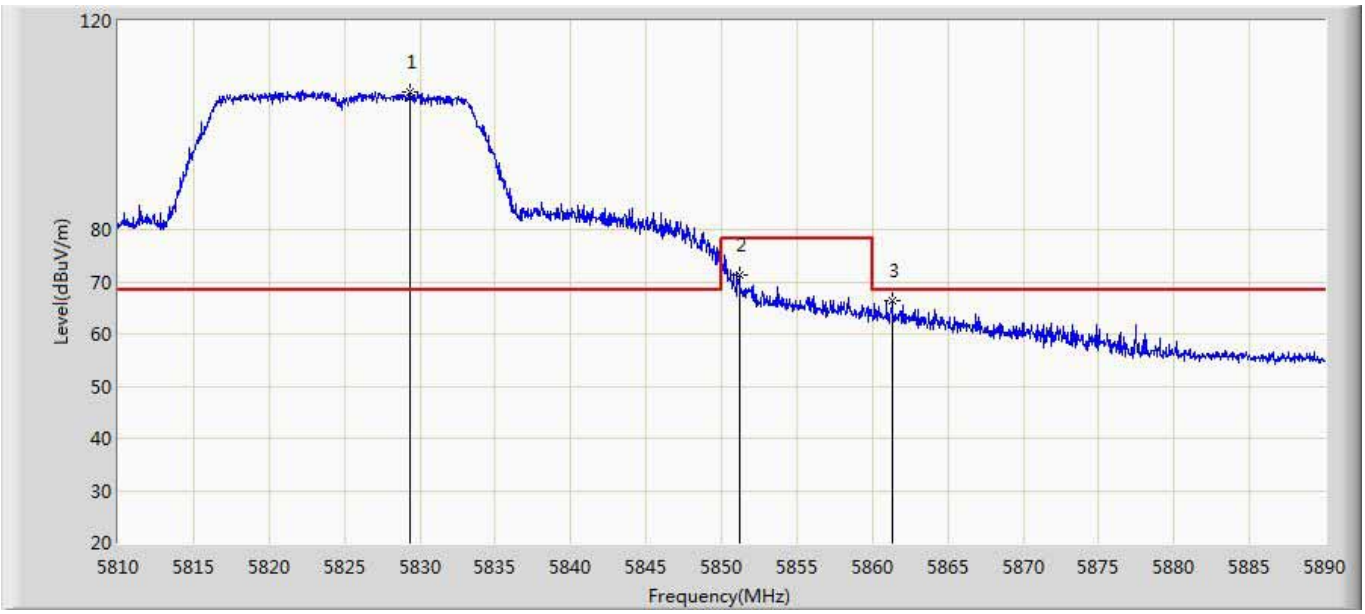
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5712.225	66.522	23.213	-1.778	68.300	43.309	PK
2		5723.500	74.335	31.064	-3.965	78.300	43.271	PK
3	*	5742.255	103.973	60.672	N/A	N/A	43.301	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 15:01
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 3:Transmit at CH5745Mhz by 802.11ac20 with Ant2	



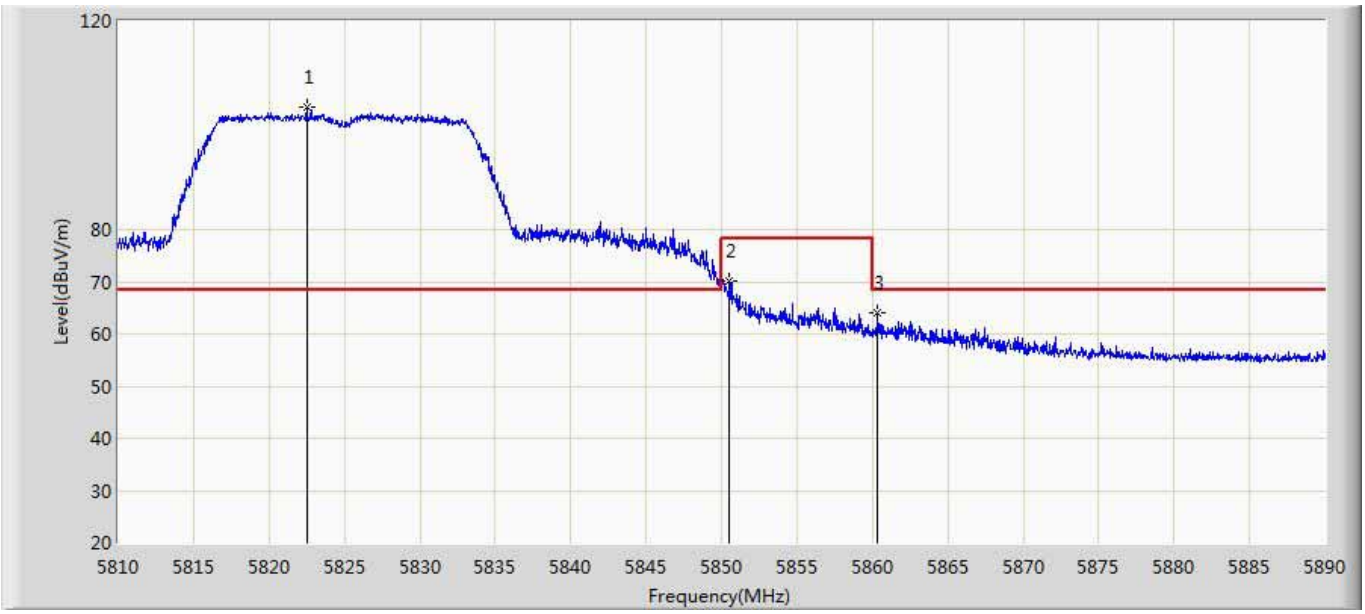
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5713.765	66.025	22.721	-2.275	68.300	43.304	PK
2		5724.105	71.283	28.014	-7.017	78.300	43.269	PK
3	*	5738.020	101.975	58.684	N/A	N/A	43.291	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/07 - 09:26
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 3:Transmit at CH5825Mhz by 802.11ac20 with Ant2	



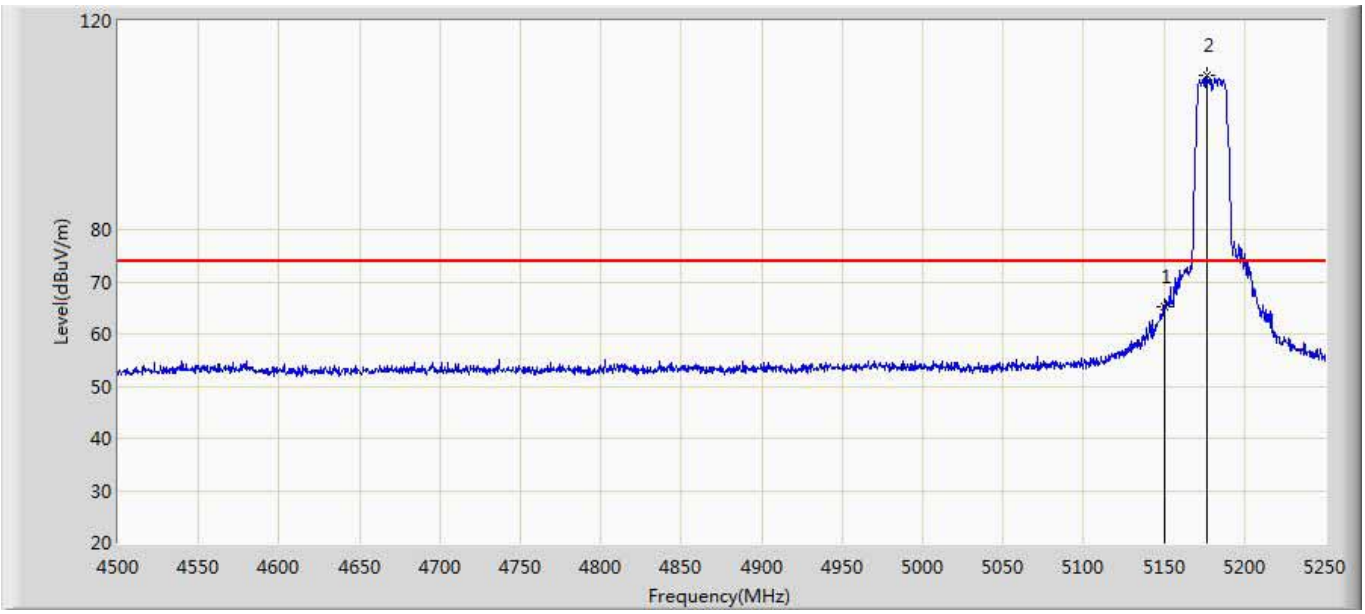
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5829.320	106.239	62.828	N/A	N/A	43.411	PK
2		5851.200	71.339	27.861	-6.961	78.300	43.479	PK
3		5861.320	66.380	22.824	-1.920	68.300	43.556	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/07 - 09:31
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 3:Transmit at CH5825Mhz by 802.11ac20 with Ant2	



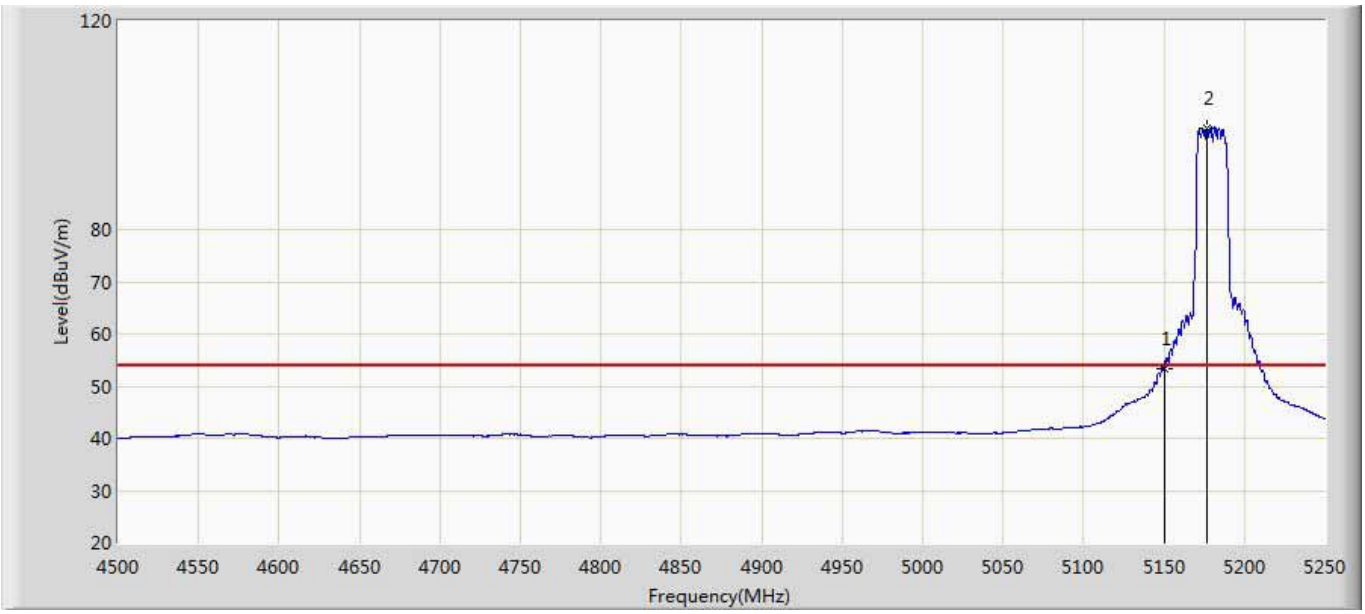
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5822.520	103.336	59.939	N/A	N/A	43.397	PK
2		5850.520	70.231	26.758	-8.069	78.300	43.473	PK
3		5860.360	64.198	20.649	-4.102	68.300	43.549	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 14:49
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 3:Transmit at CH5180Mhz by 802.11ac20 with Ant1+2	



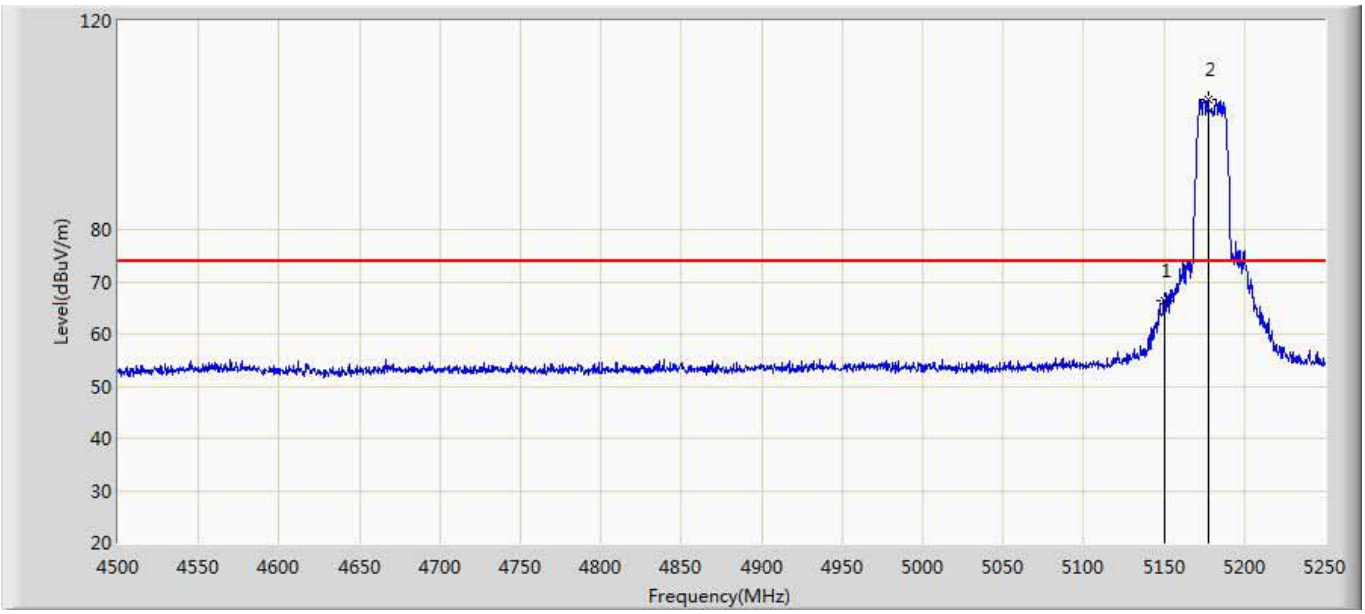
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	65.155	22.750	-8.845	74.000	42.405	PK
2	*	5176.500	109.437	66.886	N/A	N/A	42.551	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 14:49
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 3:Transmit at CH5180Mhz by 802.11ac20 with Ant1+2	



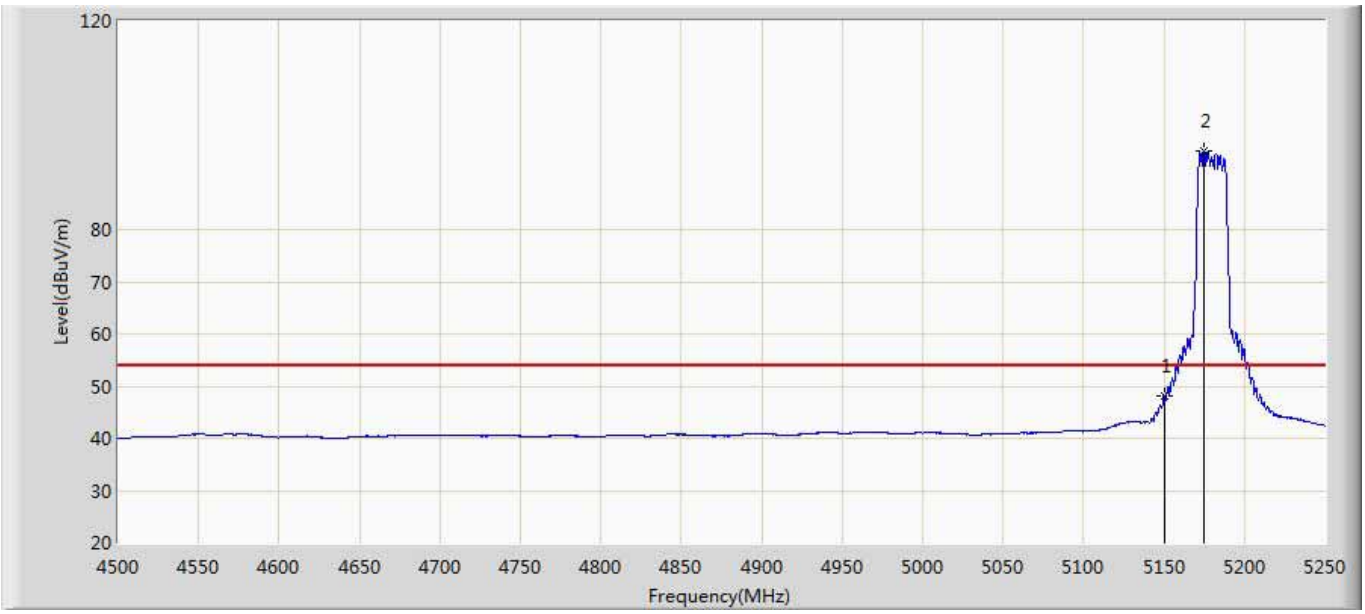
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	53.396	10.991	-0.604	54.000	42.405	AV
2	*	5176.875	99.536	56.985	N/A	N/A	42.551	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 14:56
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 3:Transmit at CH5180Mhz by 802.11ac20 with Ant1+2	



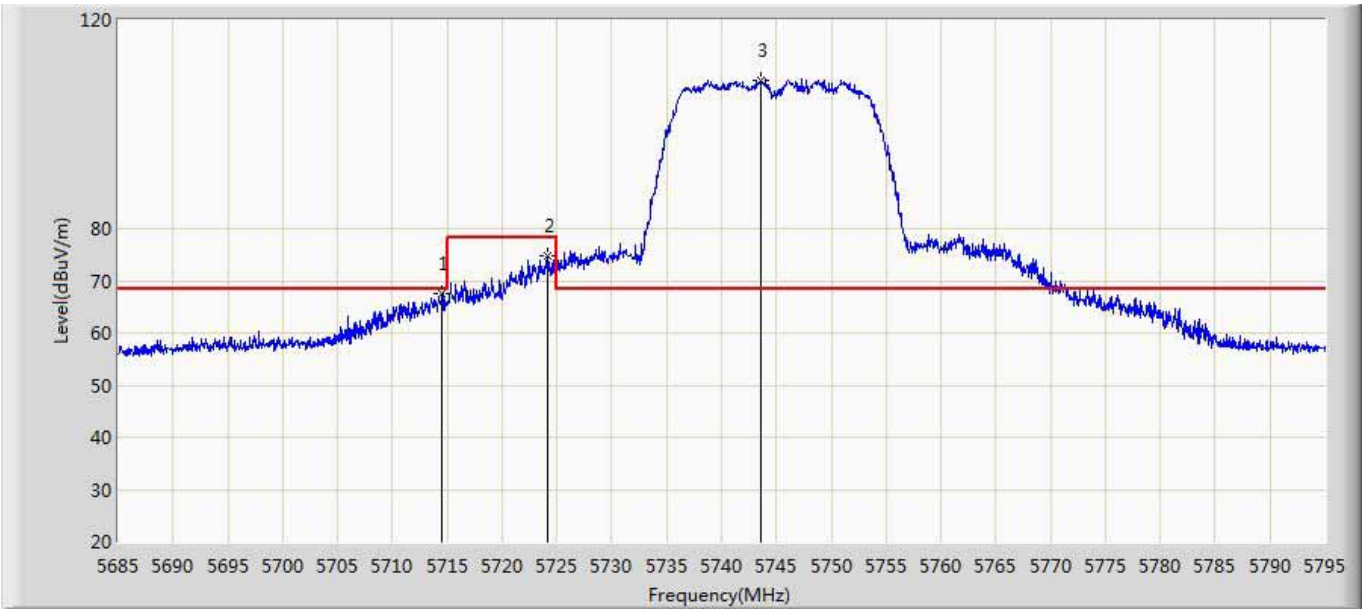
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	66.253	23.848	-7.747	74.000	42.405	PK
2	*	5177.250	104.996	62.444	N/A	N/A	42.551	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 14:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 3:Transmit at CH5180Mhz by 802.11ac20 with Ant1+2	



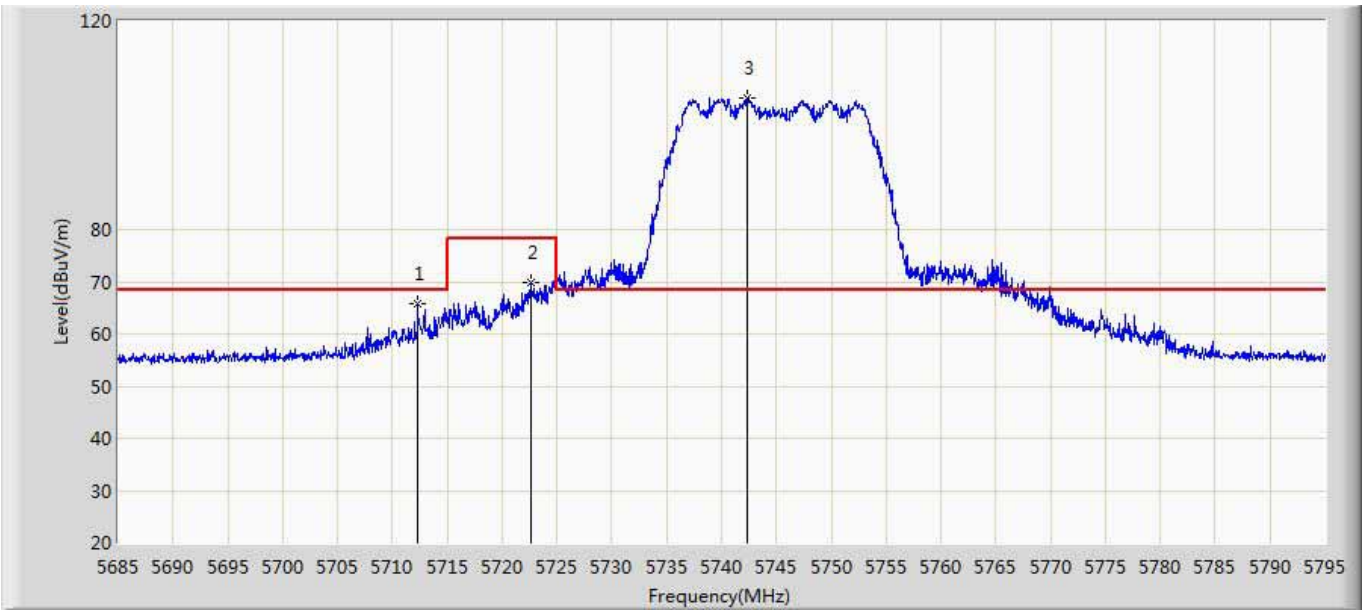
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	48.096	5.691	-5.904	54.000	42.405	AV
2	*	5174.625	95.008	52.458	N/A	N/A	42.550	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/07 - 09:38
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 3:Transmit at CH5745Mhz by 802.11ac20 with Ant1+2	



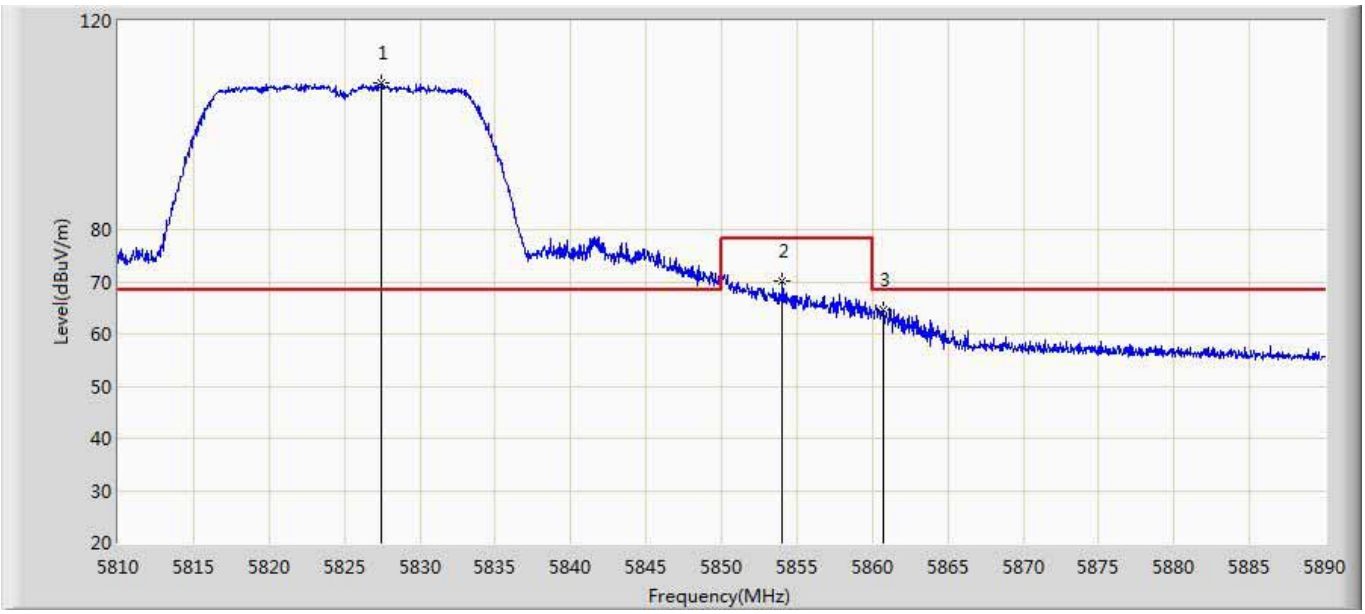
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5714.535	67.670	24.368	-0.630	68.300	43.301	PK
2		5724.105	74.919	31.650	-3.381	78.300	43.269	PK
3	*	5743.520	108.401	65.100	N/A	N/A	43.301	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/07 - 10:04
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 3:Transmit at CH5745Mhz by 802.11ac20 with Ant1+2	



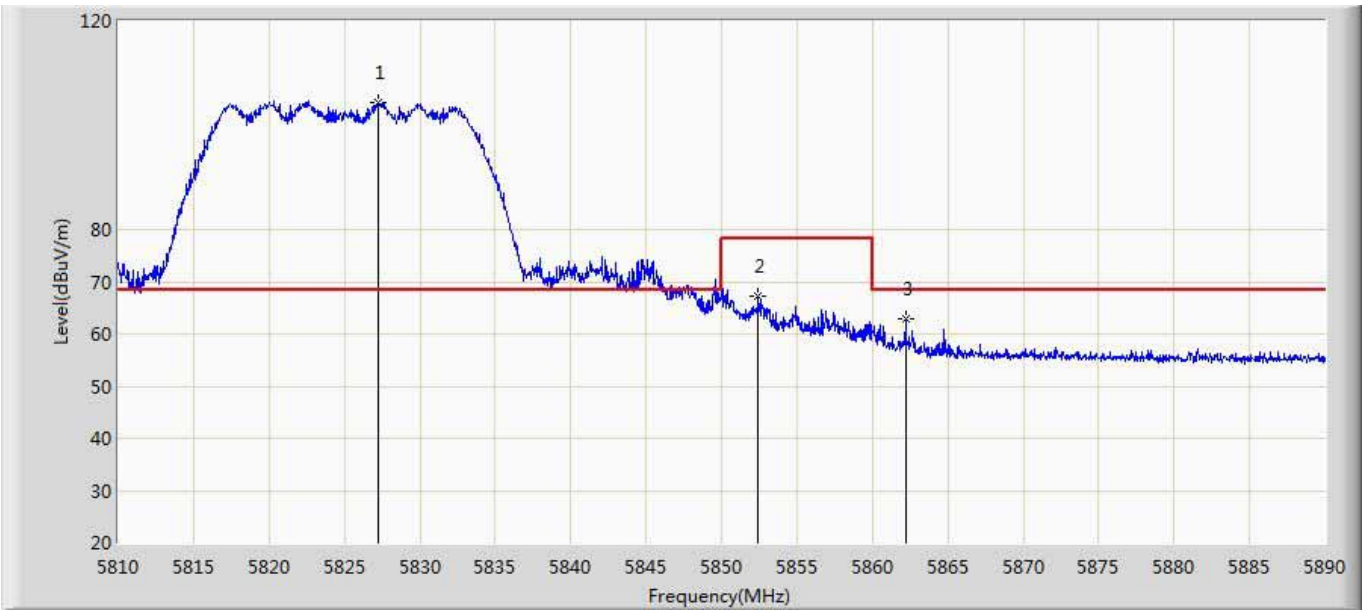
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5712.280	65.774	22.465	-2.526	68.300	43.309	PK
2		5722.565	69.871	26.597	-8.429	78.300	43.274	PK
3	*	5742.365	105.261	61.960	N/A	N/A	43.301	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/07 - 10:14
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 3:Transmit at CH5825Mhz by 802.11ac20 with Ant1+2	



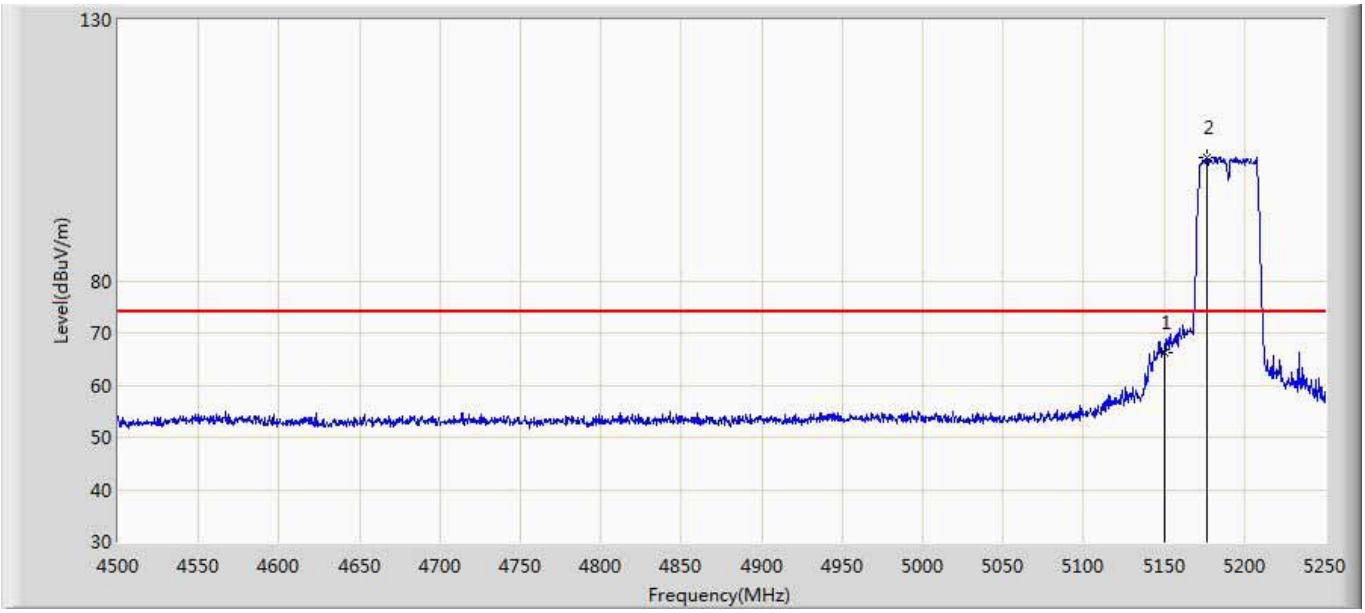
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5827.480	108.059	64.651	N/A	N/A	43.408	PK
2		5854.040	70.242	26.742	-8.058	78.300	43.500	PK
3		5860.680	64.770	21.219	-3.530	68.300	43.551	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/07 - 10:17
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 3:Transmit at CH5825Mhz by 802.11ac20 with Ant1+2	



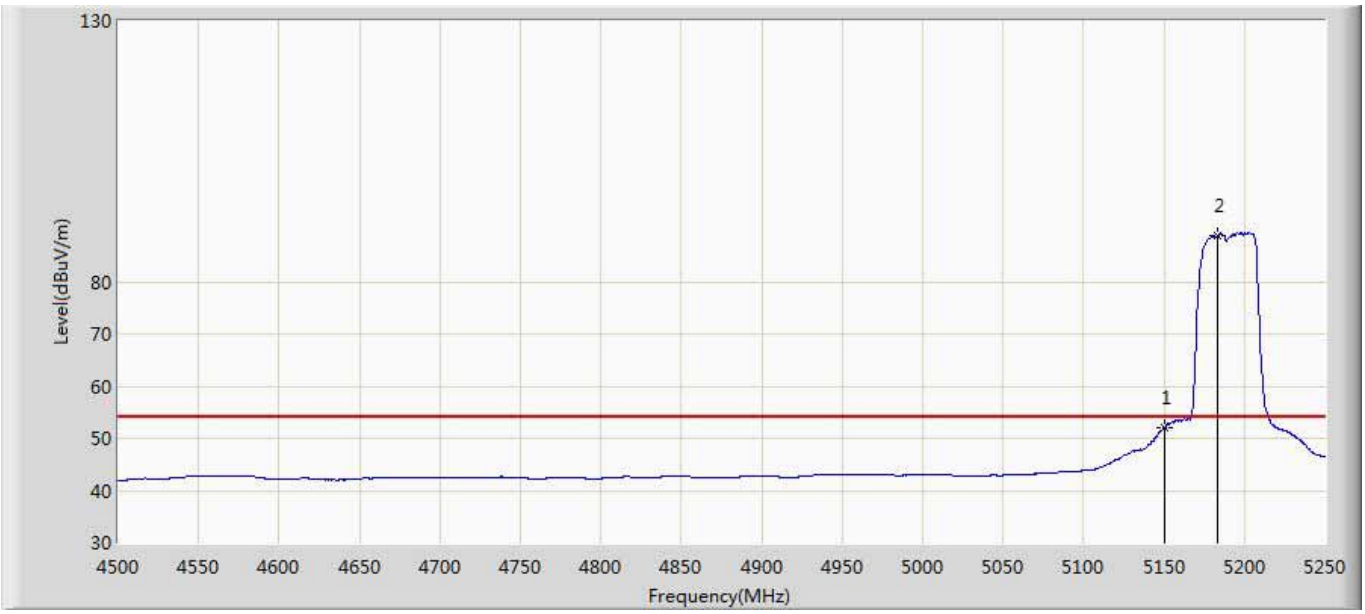
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5827.280	104.321	60.913	N/A	N/A	43.408	PK
2		5852.440	67.348	23.860	-10.952	78.300	43.488	PK
3		5862.200	62.795	19.233	-5.505	68.300	43.562	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 12:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 4:Transmit at CH5190Mhz by 802.11n40 with Ant1	



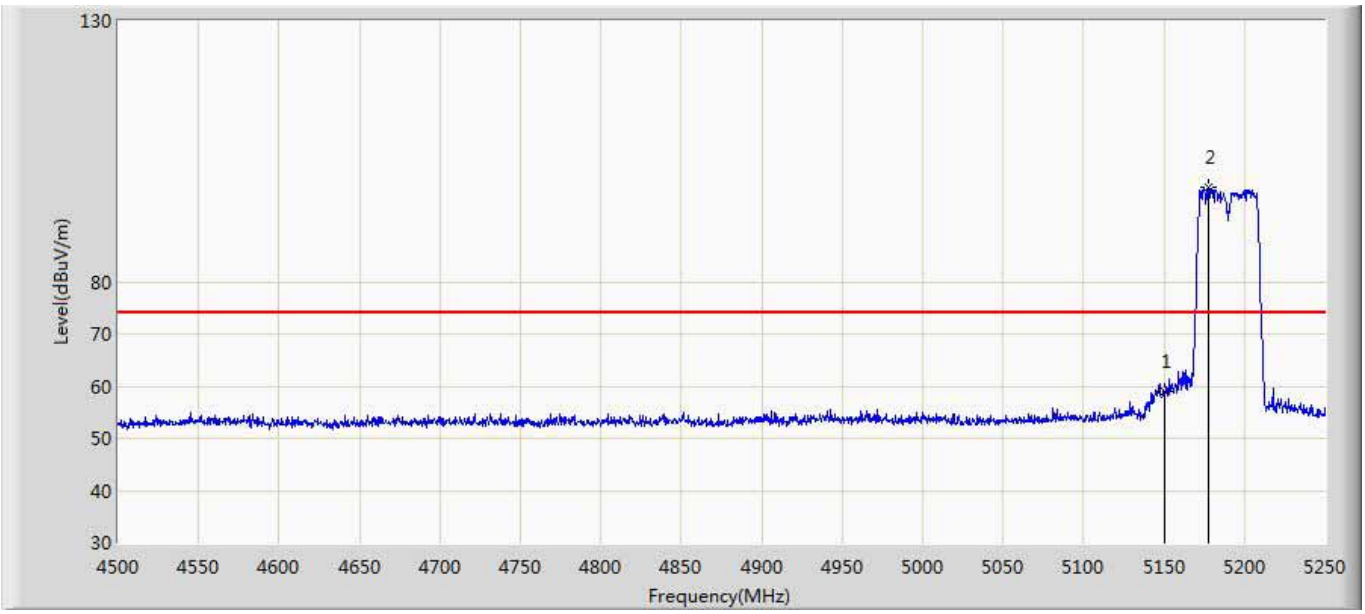
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	66.161	23.756	-7.839	74.000	42.405	PK
2	*	5176.500	103.698	61.147	N/A	N/A	42.551	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 12:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 4:Transmit at CH5190Mhz by 802.11n40 with Ant1	



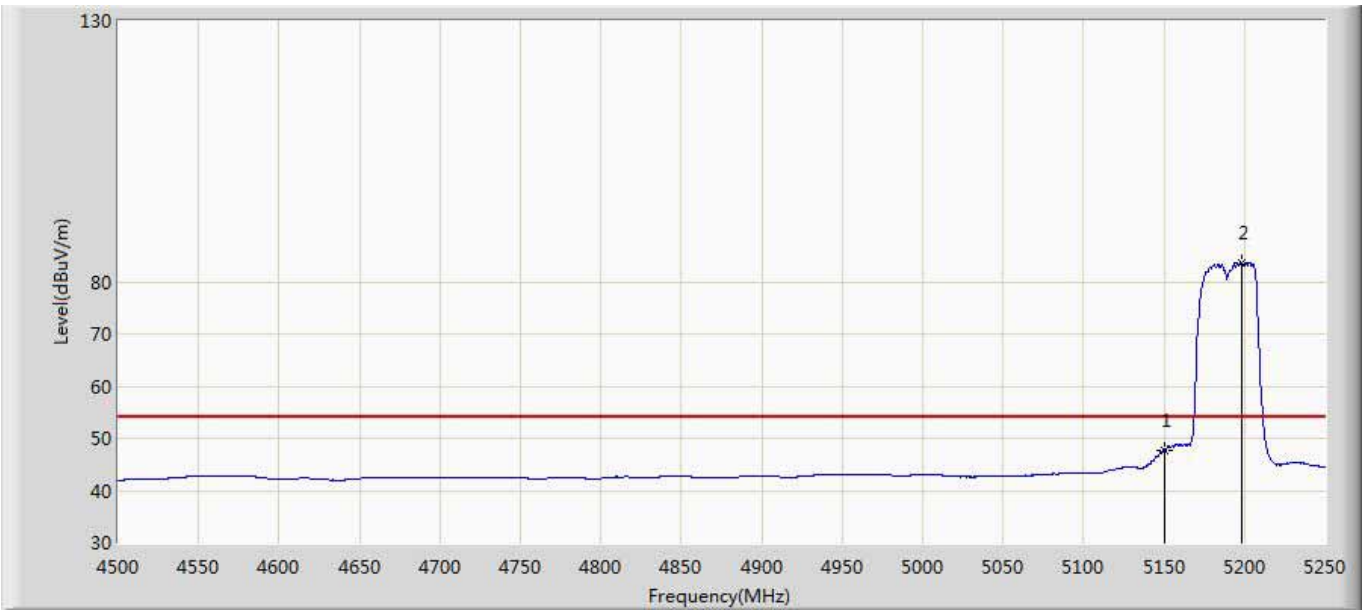
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	52.149	9.744	-1.851	54.000	42.405	AV
2	*	5182.875	88.954	46.405	N/A	N/A	42.549	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 12:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 4:Transmit at CH5190Mhz by 802.11n40 with Ant1	



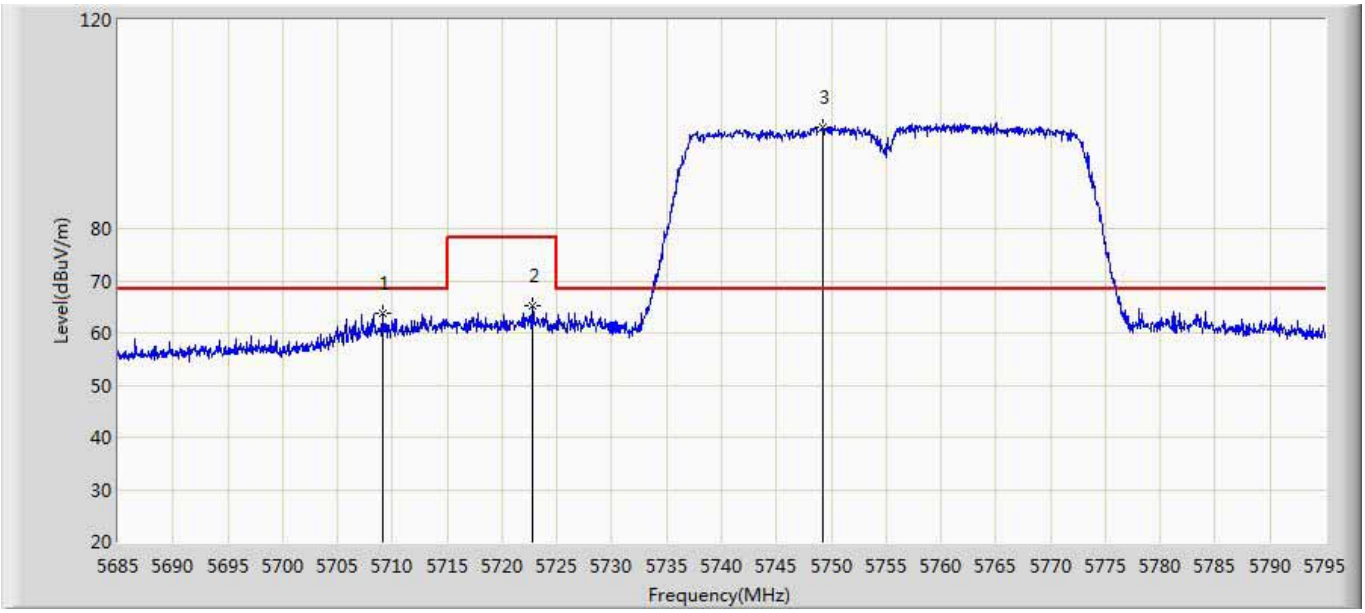
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	59.059	16.654	-14.941	74.000	42.405	PK
2	*	5177.250	98.231	55.679	N/A	N/A	42.551	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 12:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 4:Transmit at CH5190Mhz by 802.11n40 with Ant1	



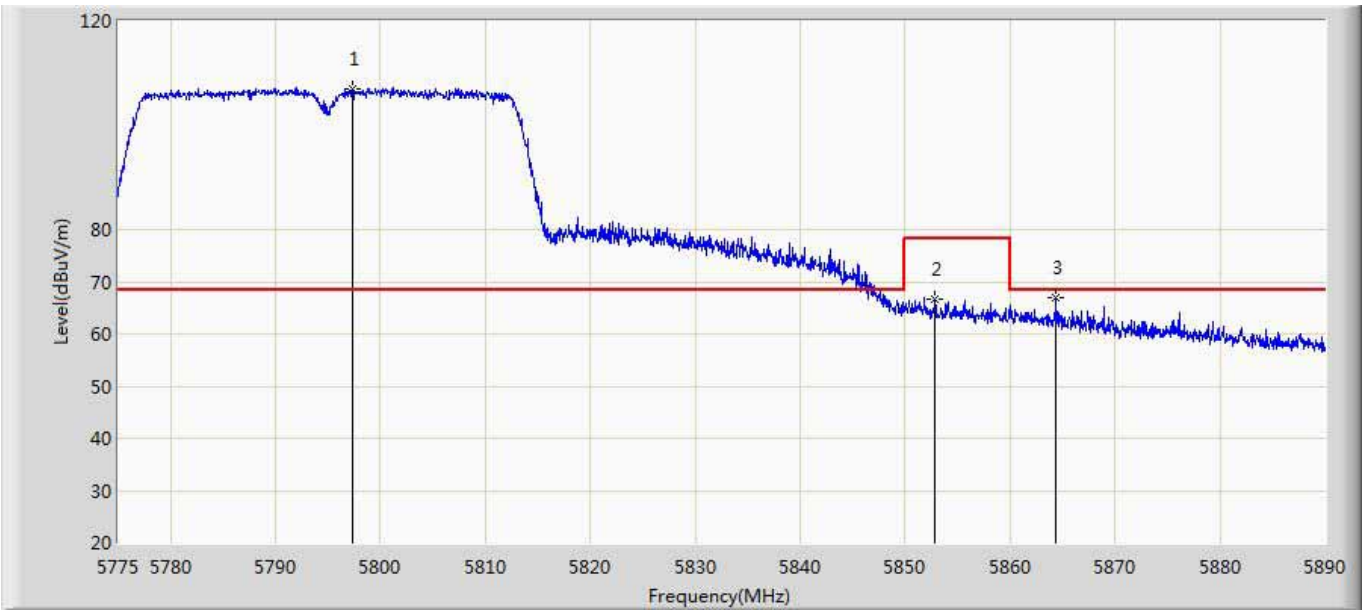
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	47.757	5.352	-6.243	54.000	42.405	AV
2	*	5197.875	83.680	41.218	N/A	N/A	42.462	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 13:45
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 4:Transmit at CH5755Mhz by 802.11n40 with Ant1	



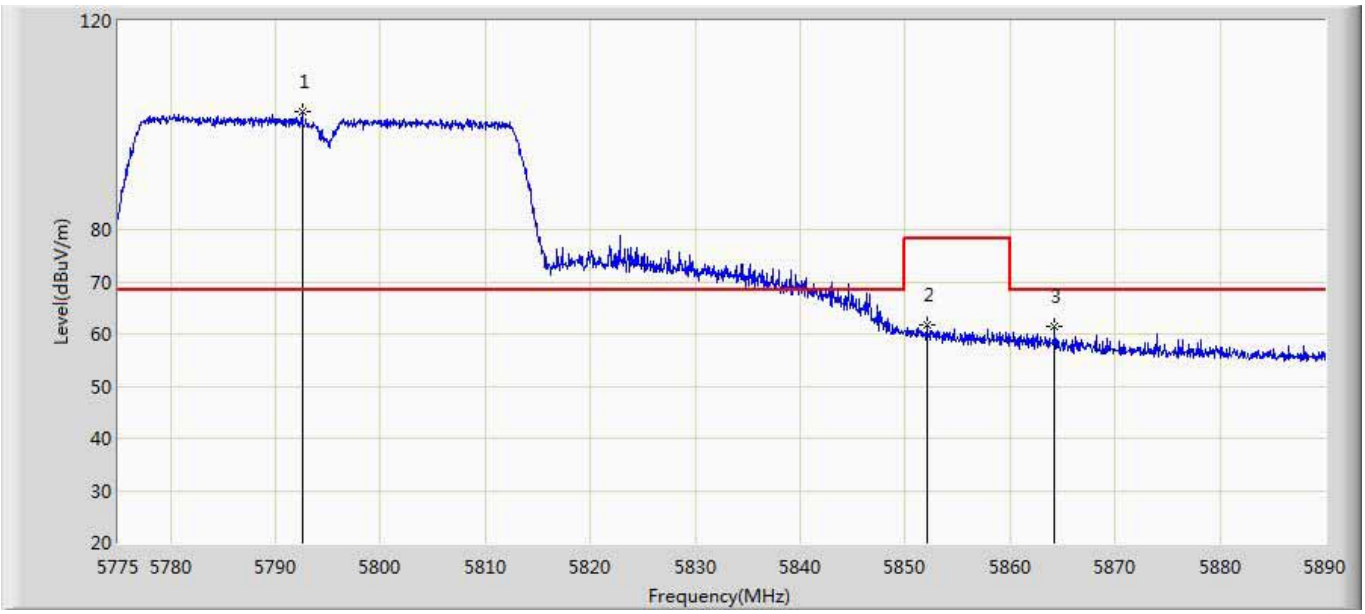
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5709.145	63.765	20.445	-4.535	68.300	43.320	PK
2		5722.785	65.076	21.803	-13.224	78.300	43.274	PK
3	*	5749.185	99.468	56.187	N/A	N/A	43.281	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 13:47
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 4:Transmit at CH5795Mhz by 802.11n40 with Ant1	



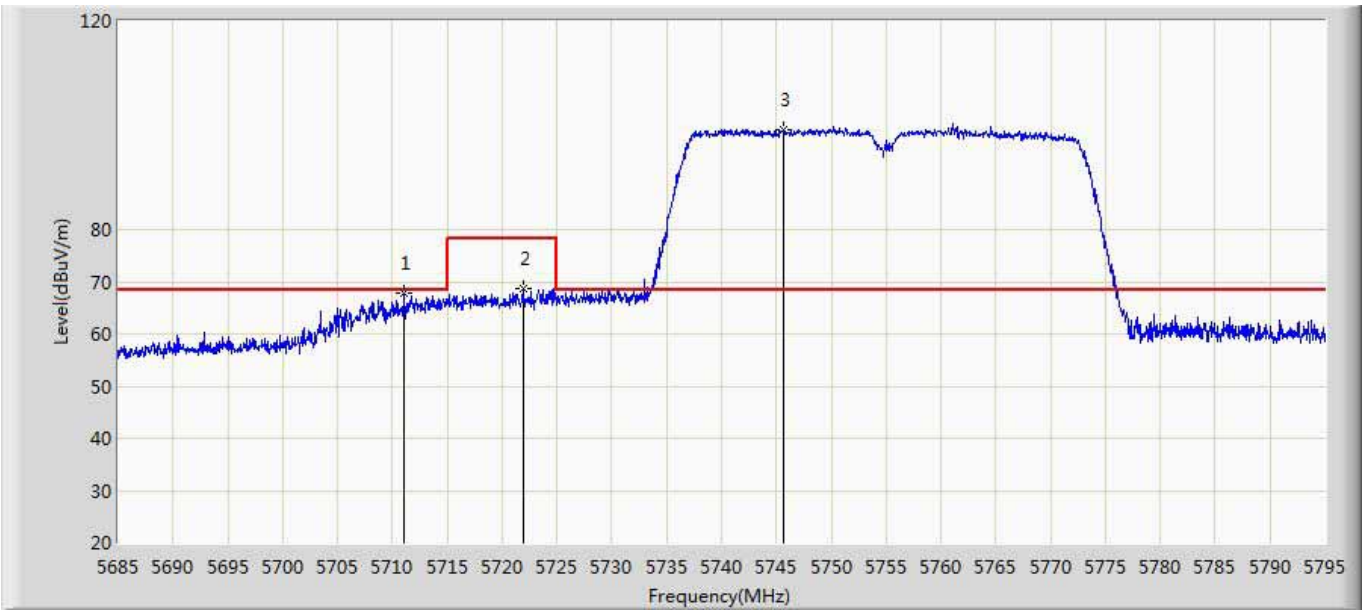
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5797.368	106.861	63.558	N/A	N/A	43.304	PK
2		5852.855	66.578	23.087	-11.722	78.300	43.491	PK
3		5864.413	66.850	23.281	-1.450	68.300	43.568	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 13:50
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 4:Transmit at CH5795Mhz by 802.11n40 with Ant1	



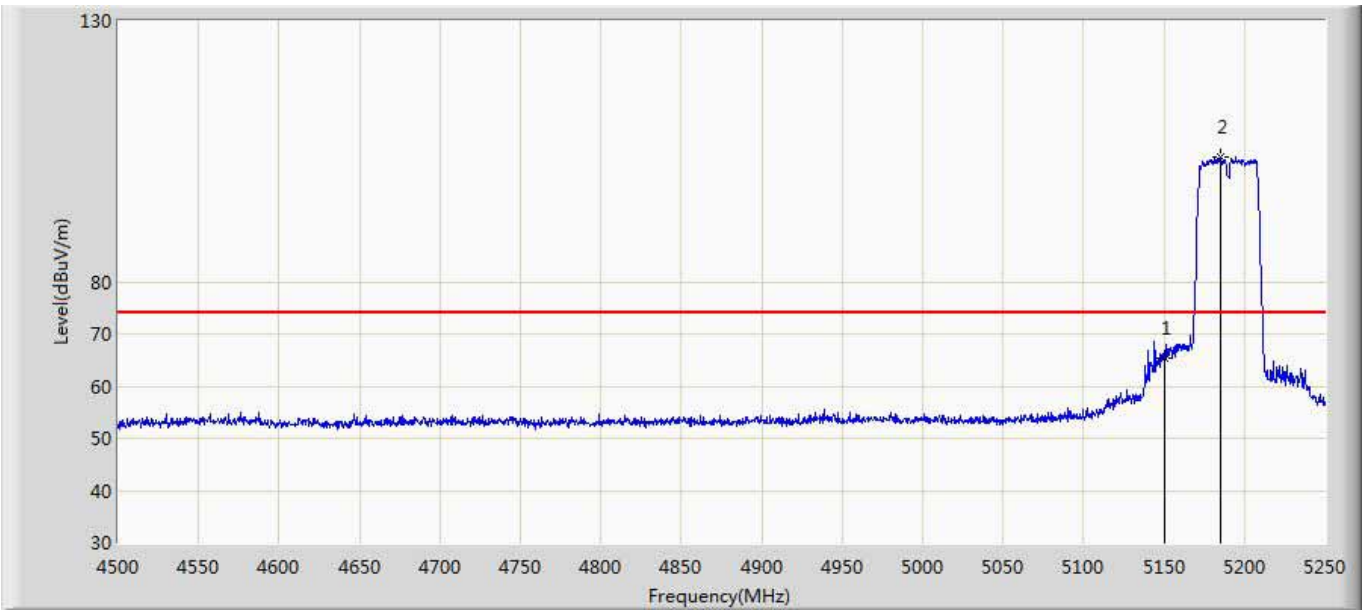
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5792.538	102.515	59.224	N/A	N/A	43.291	PK
2		5852.050	61.687	18.202	-16.613	78.300	43.485	PK
3		5864.240	61.396	17.828	-6.904	68.300	43.568	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 13:52
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 4:Transmit at CH5755Mhz by 802.11n40 with Ant1	



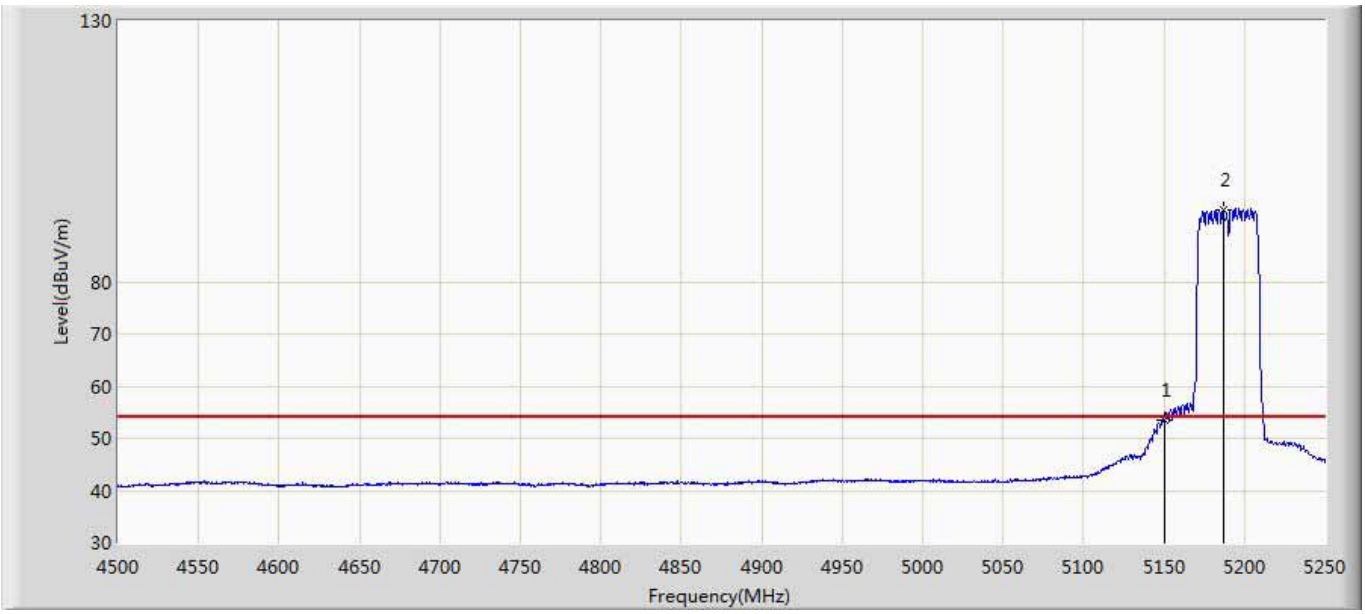
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5711.070	67.890	24.577	-0.410	68.300	43.314	PK
2		5721.905	68.676	25.400	-9.624	78.300	43.276	PK
3	*	5745.720	99.131	55.838	N/A	N/A	43.293	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 13:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 4:Transmit at CH5190Mhz by 802.11n40 with Ant2	



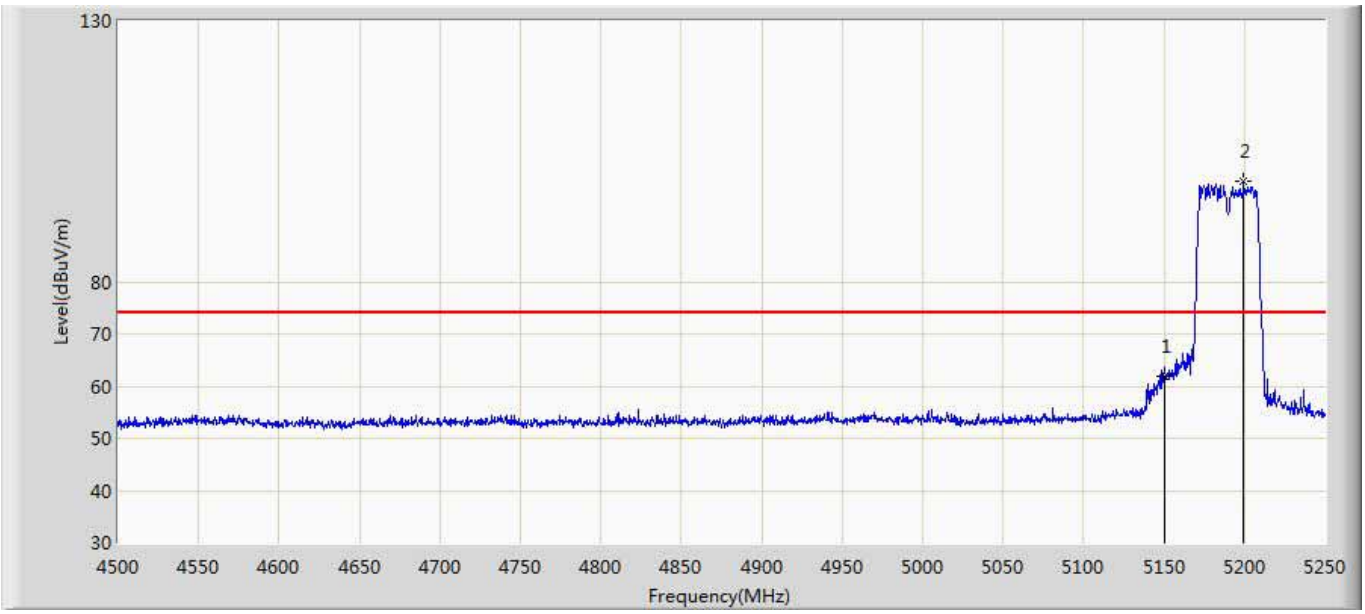
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	65.220	22.815	-8.780	74.000	42.405	PK
2	*	5184.750	104.023	61.485	N/A	N/A	42.538	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 13:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 4:Transmit at CH5190Mhz by 802.11n40 with Ant2	



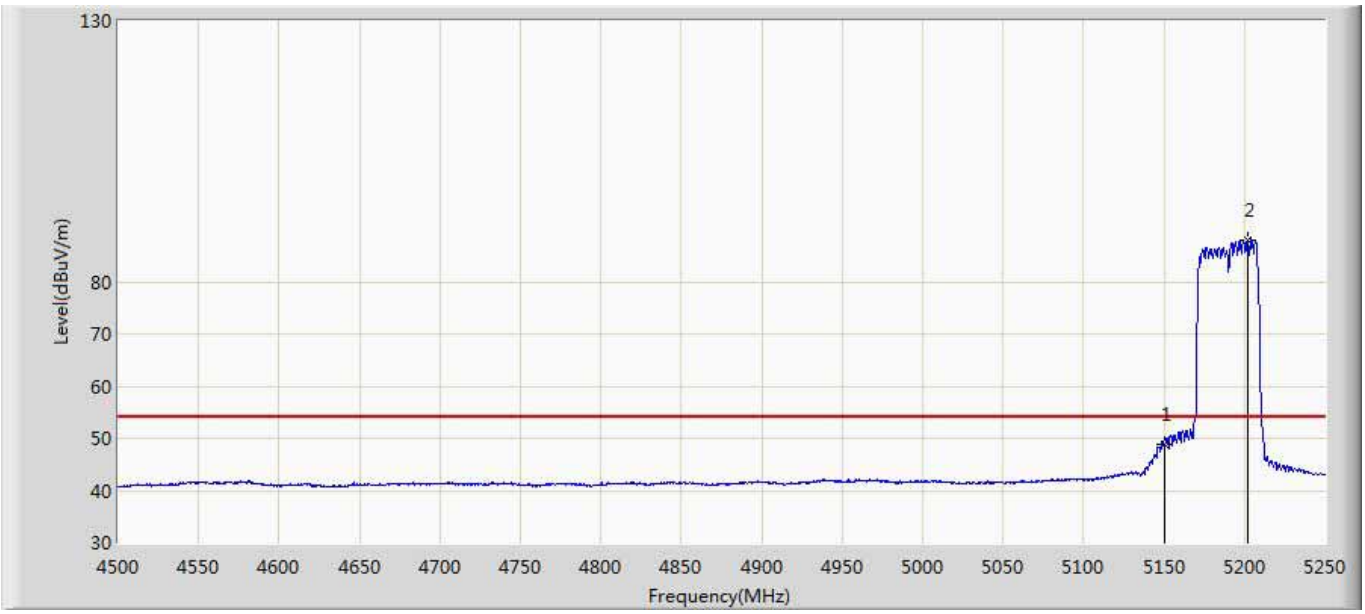
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	53.542	11.137	-0.458	54.000	42.405	AV
2	*	5186.625	93.836	51.309	N/A	N/A	42.527	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 13:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 4:Transmit at CH5190Mhz by 802.11n40 with Ant2	



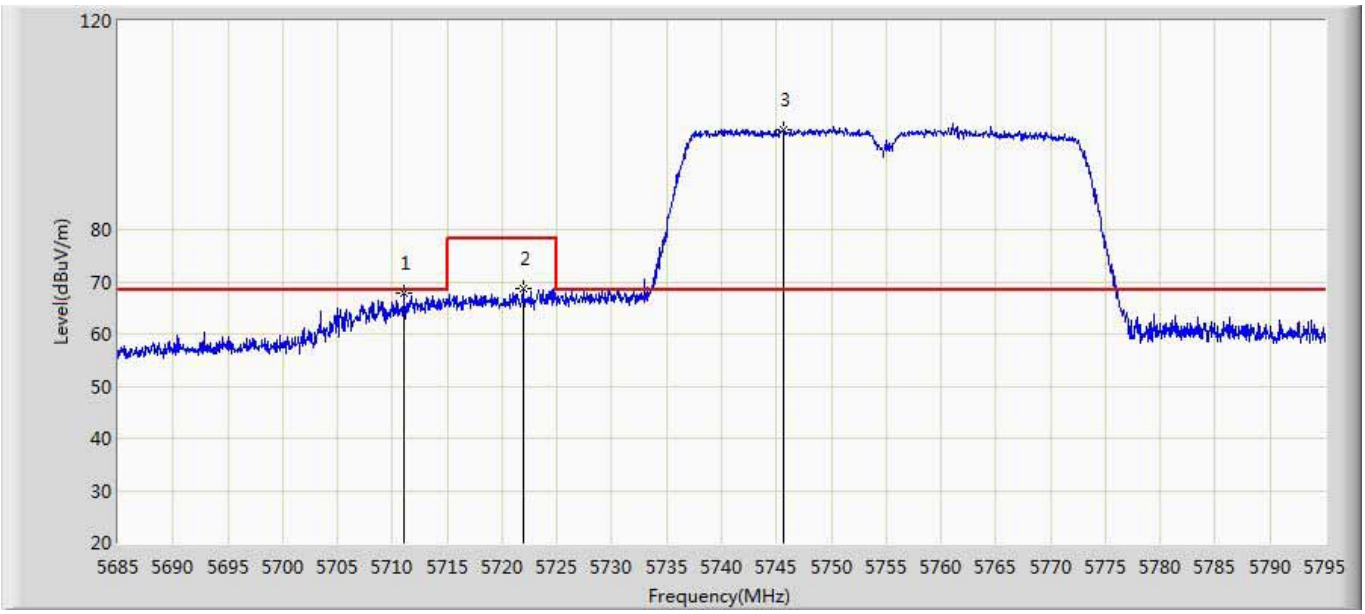
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	61.949	19.544	-12.051	74.000	42.405	PK
2	*	5199.375	99.324	56.870	N/A	N/A	42.455	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 13:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 4:Transmit at CH5190Mhz by 802.11n40 with Ant2	



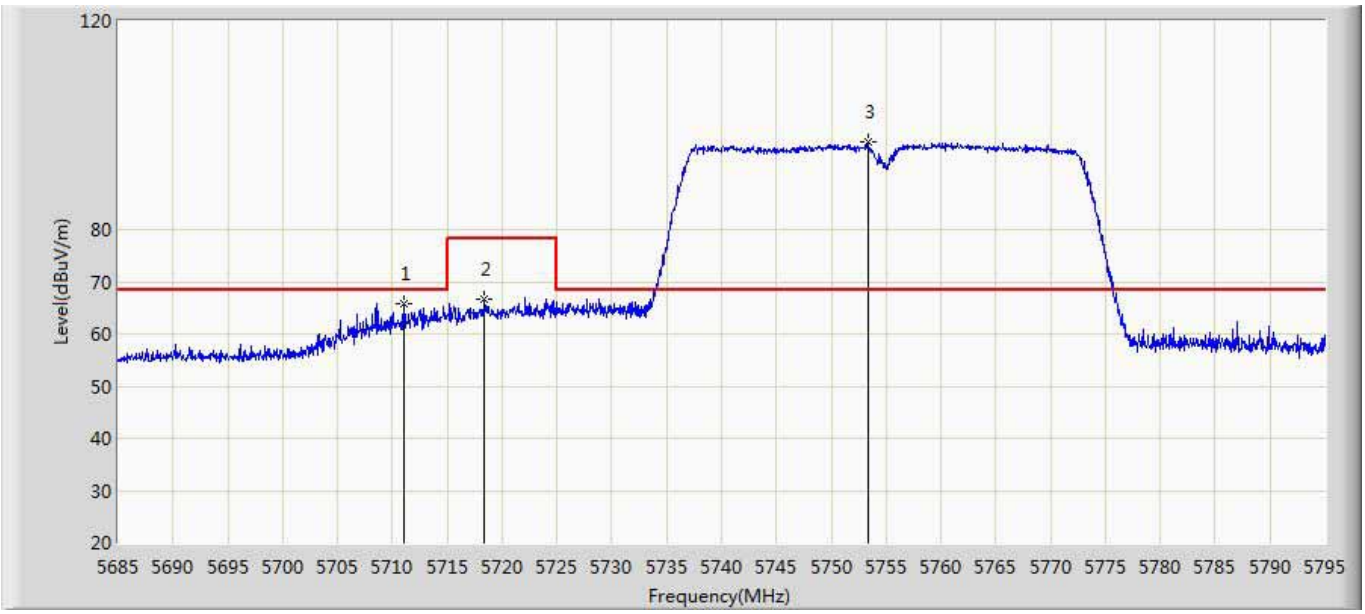
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	48.925	6.520	-5.075	54.000	42.405	AV
2	*	5201.625	87.996	45.547	N/A	N/A	42.448	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 13:52
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 4:Transmit at CH5755Mhz by 802.11n40 with Ant2	



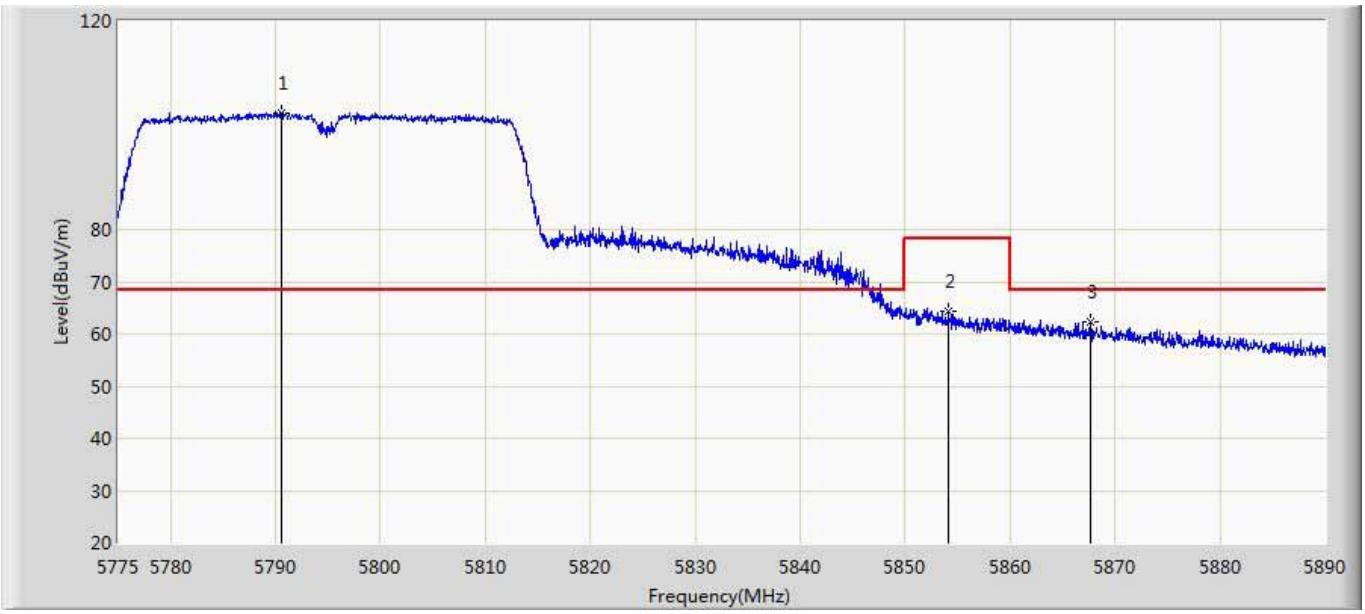
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5711.070	67.890	24.577	-0.410	68.300	43.314	PK
2		5721.905	68.676	25.400	-9.624	78.300	43.276	PK
3	*	5745.720	99.131	55.838	N/A	N/A	43.293	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 13:54
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 4:Transmit at CH5755Mhz by 802.11n40 with Ant2	



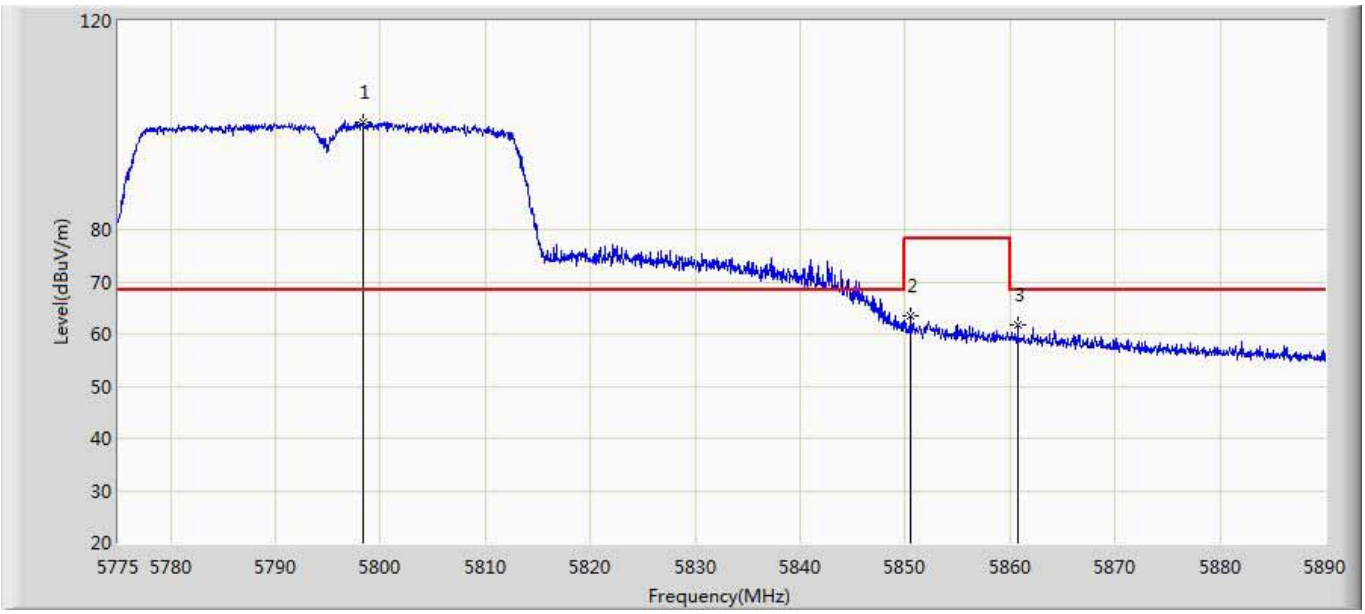
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5711.015	65.910	22.596	-2.390	68.300	43.314	PK
2		5718.385	66.532	23.244	-11.768	78.300	43.289	PK
3	*	5753.310	96.780	53.514	N/A	N/A	43.267	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 13:56
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 4:Transmit at CH5795Mhz by 802.11n40 with Ant2	



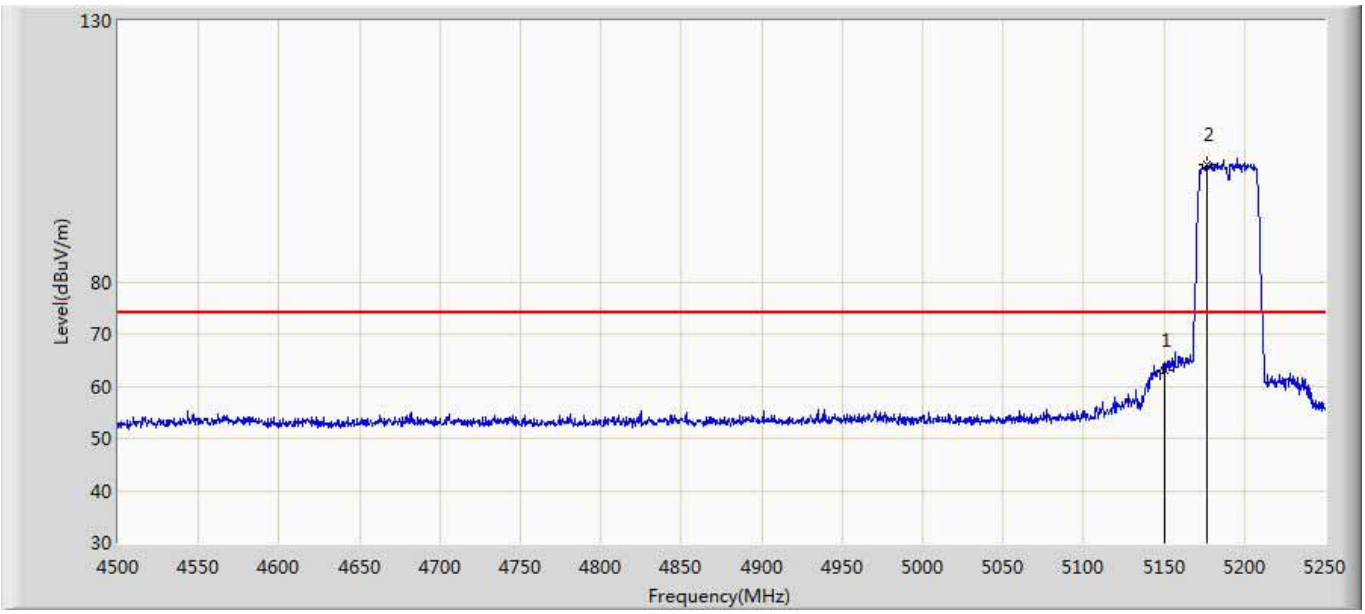
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5790.583	102.457	59.160	N/A	N/A	43.297	PK
2		5854.120	64.340	20.839	-13.960	78.300	43.501	PK
3		5867.632	62.376	18.797	-5.924	68.300	43.579	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 14:05
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 4:Transmit at CH5795Mhz by 802.11n40 with Ant2	



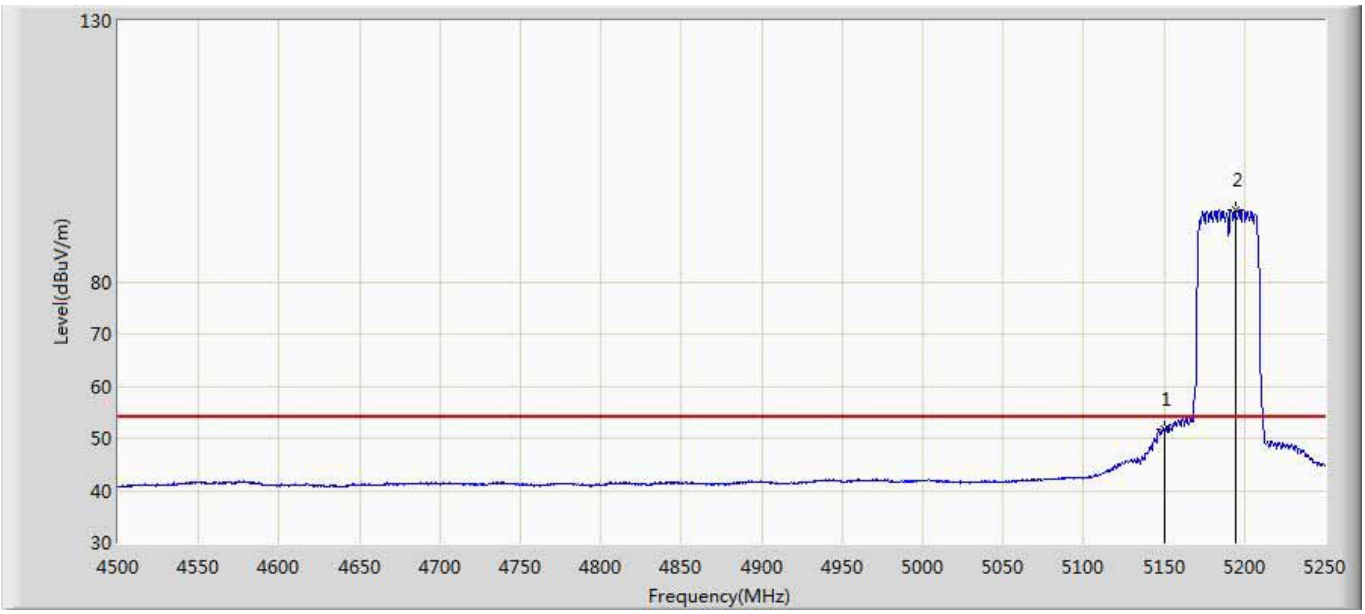
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5798.288	100.703	57.395	N/A	N/A	43.308	PK
2		5850.555	63.552	20.079	-14.748	78.300	43.474	PK
3		5860.732	61.810	18.259	-6.490	68.300	43.551	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 13:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 4:Transmit at CH5190Mhz by 802.11n40 with Ant1+2	



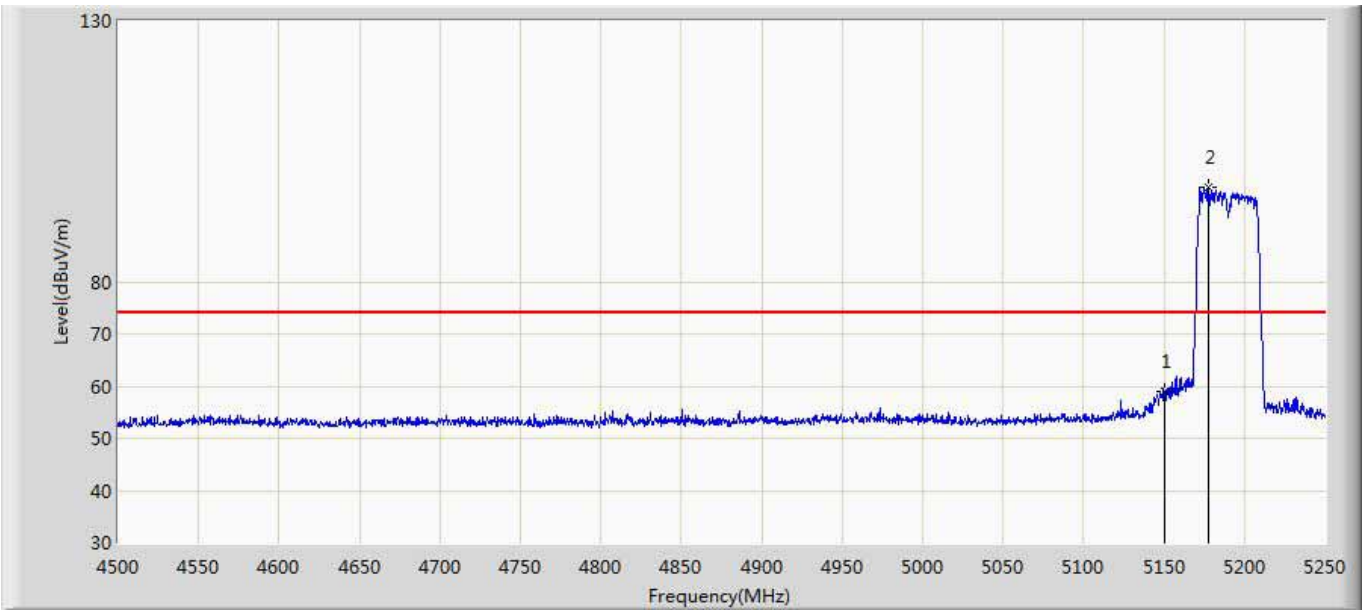
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	63.081	20.676	-10.919	74.000	42.405	PK
2	*	5176.500	102.585	60.034	N/A	N/A	42.551	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 13:54
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 4:Transmit at CH5190Mhz by 802.11n40 with Ant1+2	



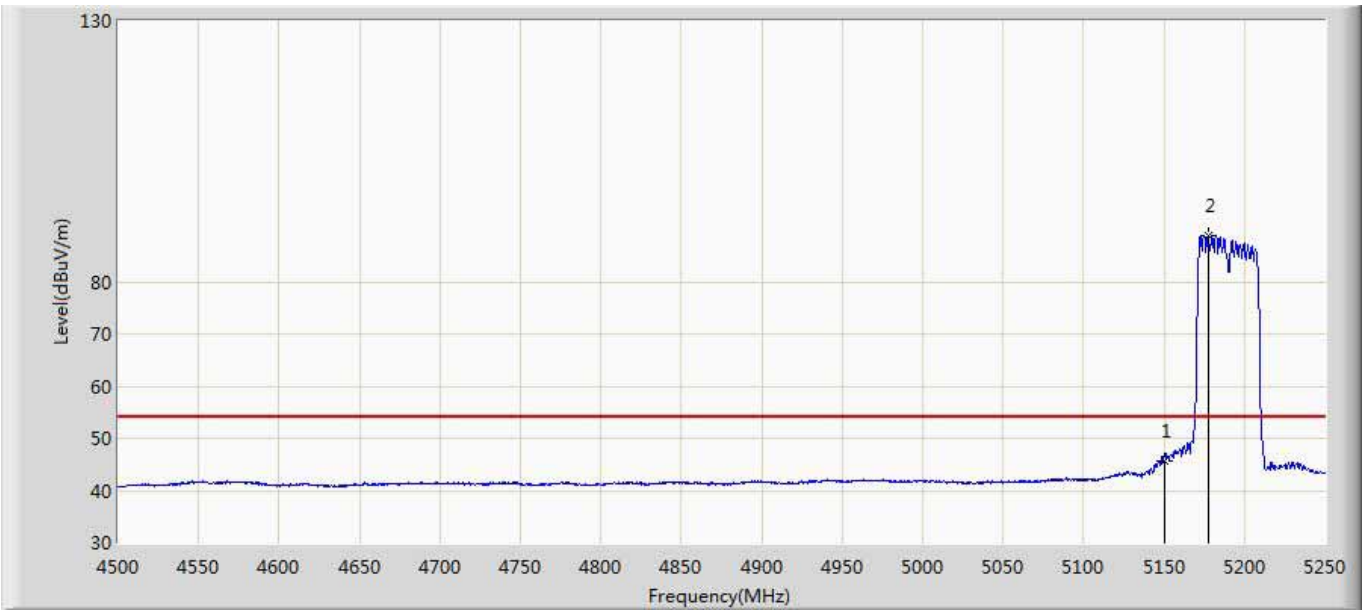
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	51.608	9.203	-2.392	54.000	42.405	AV
2	*	5194.125	93.851	51.367	N/A	N/A	42.484	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 13:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 4:Transmit at CH5190Mhz by 802.11n40 with Ant1+2	



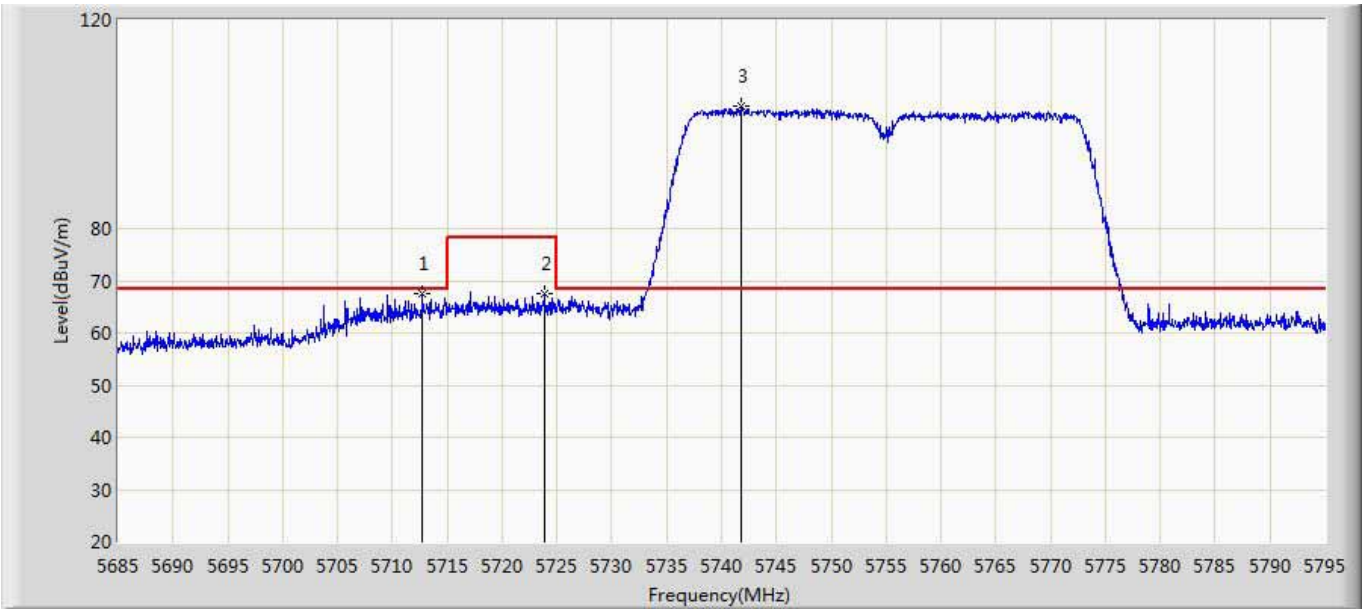
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	59.001	16.596	-14.999	74.000	42.405	PK
2	*	5177.250	98.090	55.538	N/A	N/A	42.551	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 13:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 4:Transmit at CH5190Mhz by 802.11n40 with Ant1+2	



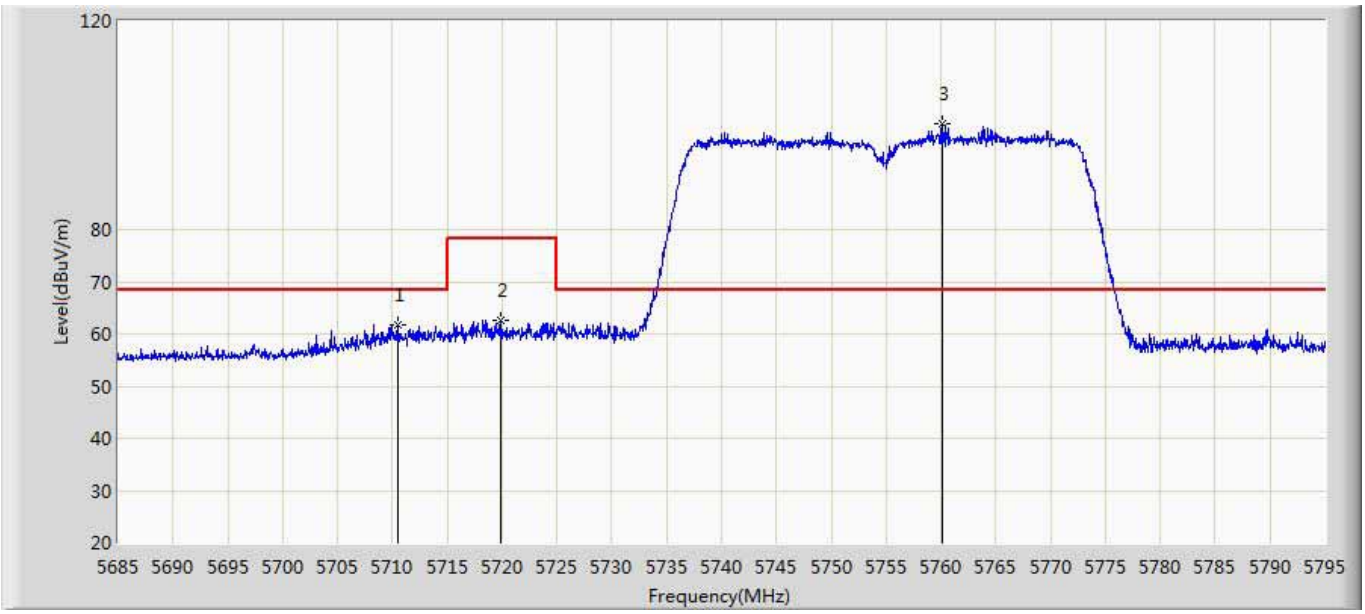
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	45.523	3.118	-8.477	54.000	42.405	AV
2	*	5177.625	88.895	46.343	N/A	N/A	42.552	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 14:07
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 4:Transmit at CH5755Mhz by 802.11n40 with Ant1+2	



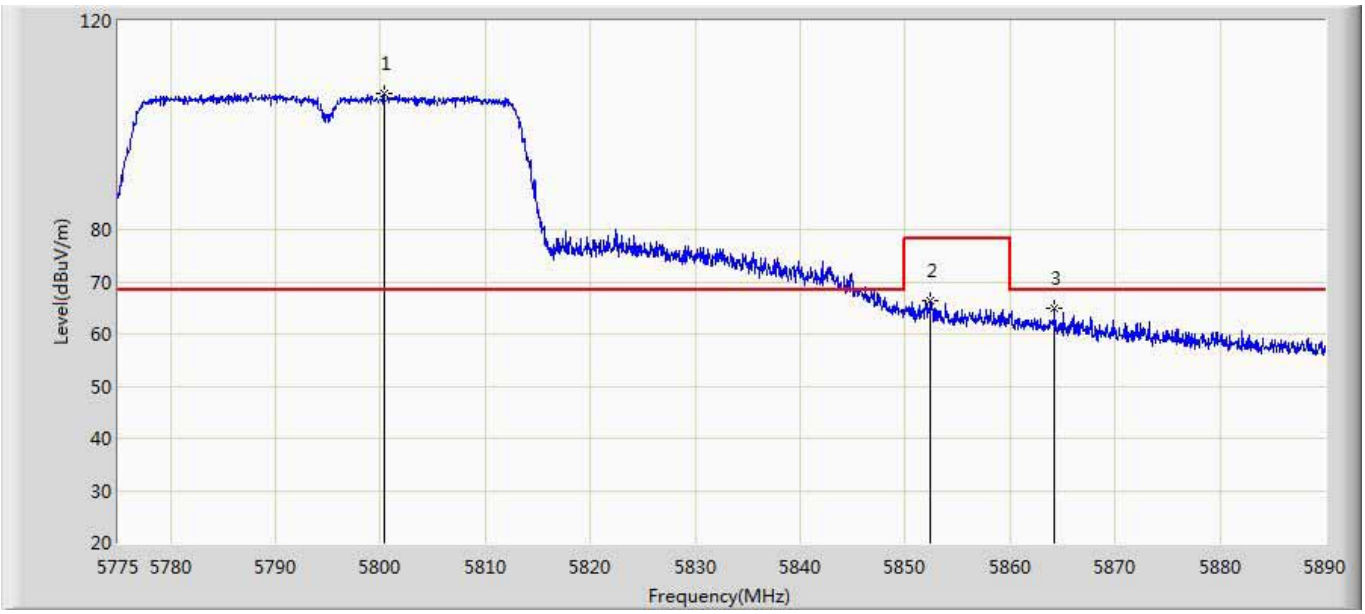
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5712.775	67.504	24.196	-0.796	68.300	43.307	PK
2		5723.885	67.628	24.358	-10.672	78.300	43.270	PK
3	*	5741.815	103.449	60.149	N/A	N/A	43.300	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 14:15
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 4:Transmit at CH5755Mhz by 802.11n40 with Ant1+2	



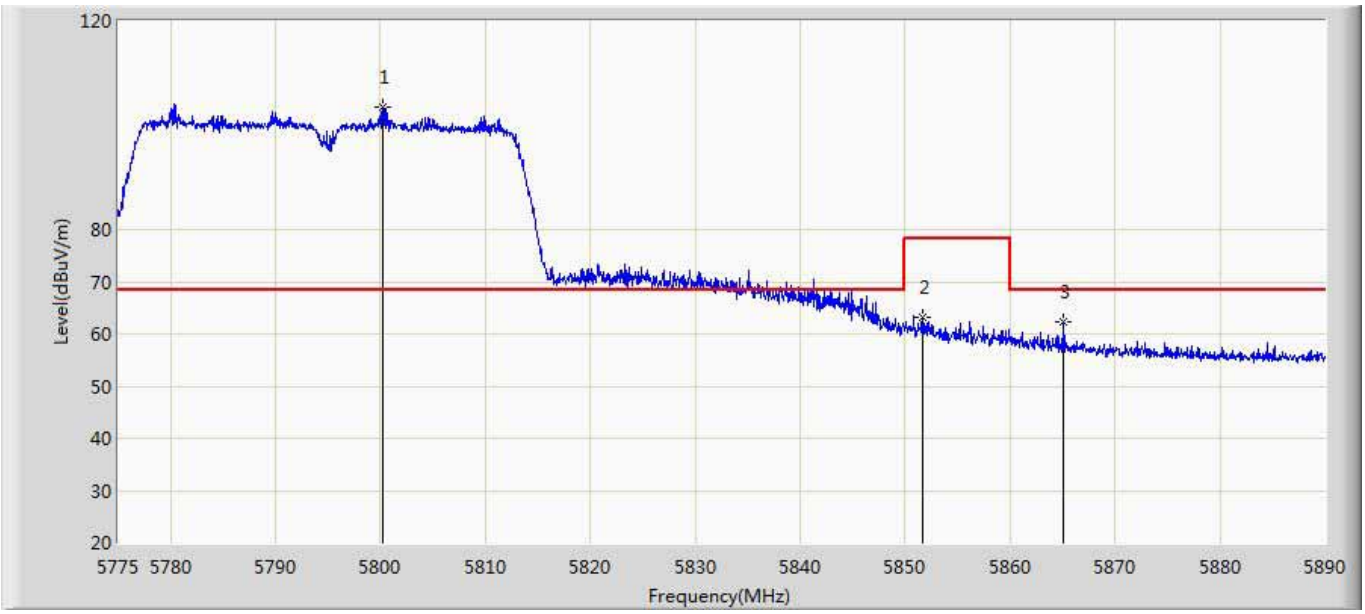
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5710.520	61.661	18.346	-6.639	68.300	43.315	PK
2		5719.925	62.564	19.281	-15.736	78.300	43.283	PK
3	*	5760.185	100.234	56.990	N/A	N/A	43.243	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 14:22
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 4:Transmit at CH5795Mhz by 802.11n40 with Ant1+2	



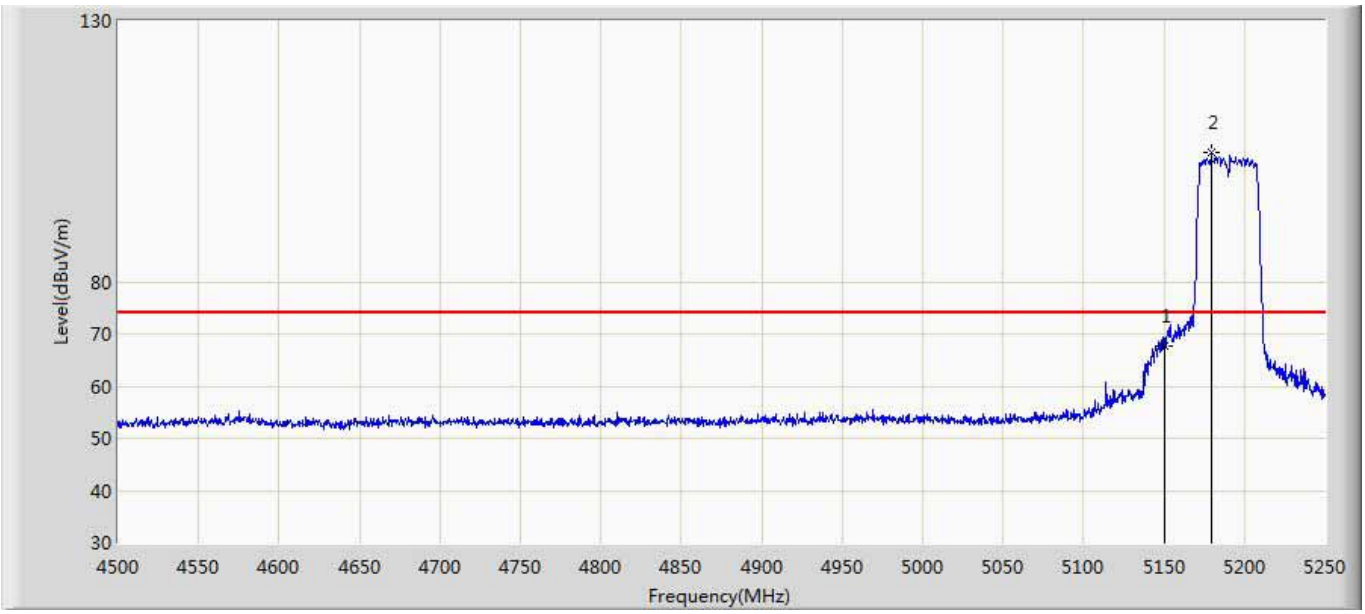
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5800.300	106.023	62.705	N/A	N/A	43.318	PK
2		5852.395	66.247	22.759	-12.053	78.300	43.487	PK
3		5864.240	64.954	21.386	-3.346	68.300	43.568	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/06 - 14:33
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 4:Transmit at CH5795Mhz by 802.11n40 with Ant1+2	



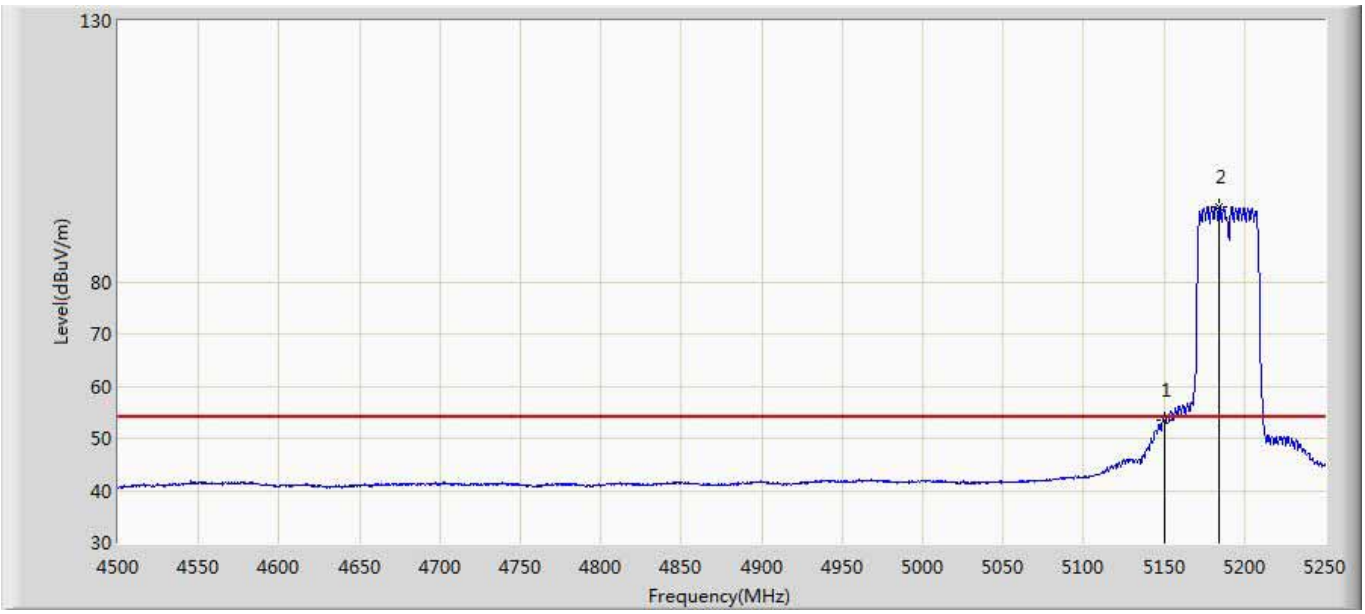
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5800.243	103.370	60.053	N/A	N/A	43.317	PK
2		5851.647	63.174	19.692	-15.126	78.300	43.481	PK
3		5865.103	62.244	18.673	-6.056	68.300	43.570	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 15:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 5:Transmit at CH5190Mhz by 802.11ac40 with Ant1	



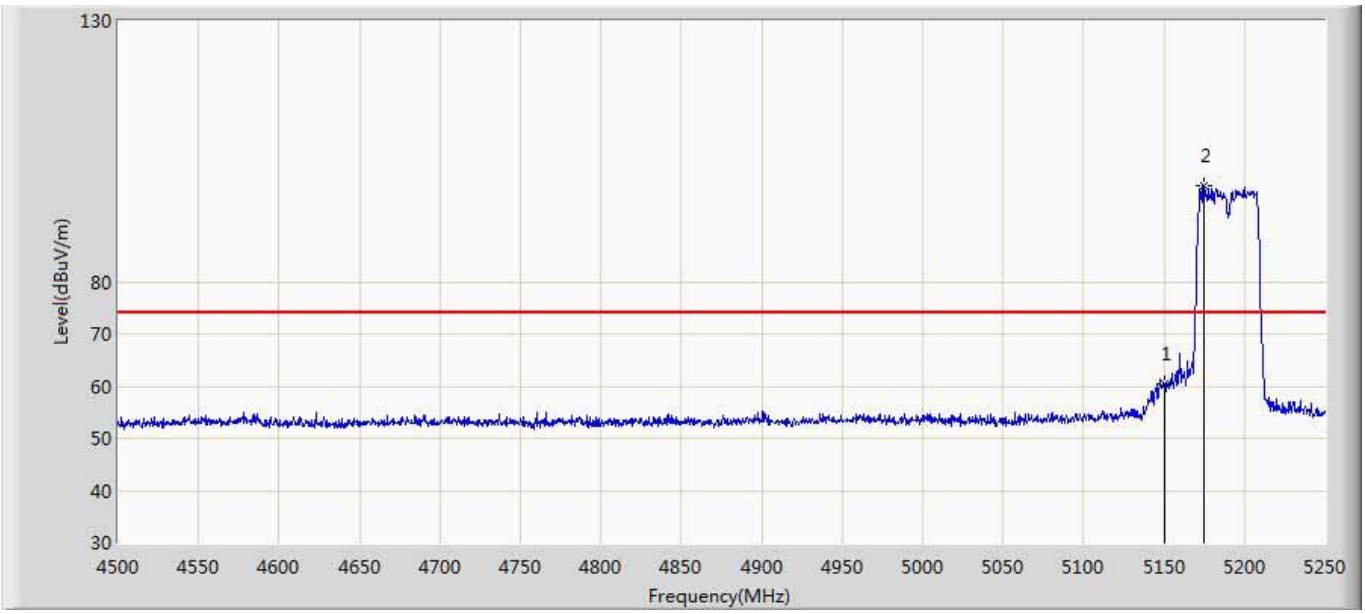
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	67.728	25.323	-6.272	74.000	42.405	PK
2	*	5179.500	104.715	62.162	N/A	N/A	42.553	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 15:10
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 5:Transmit at CH5190Mhz by 802.11ac40 with Ant1	



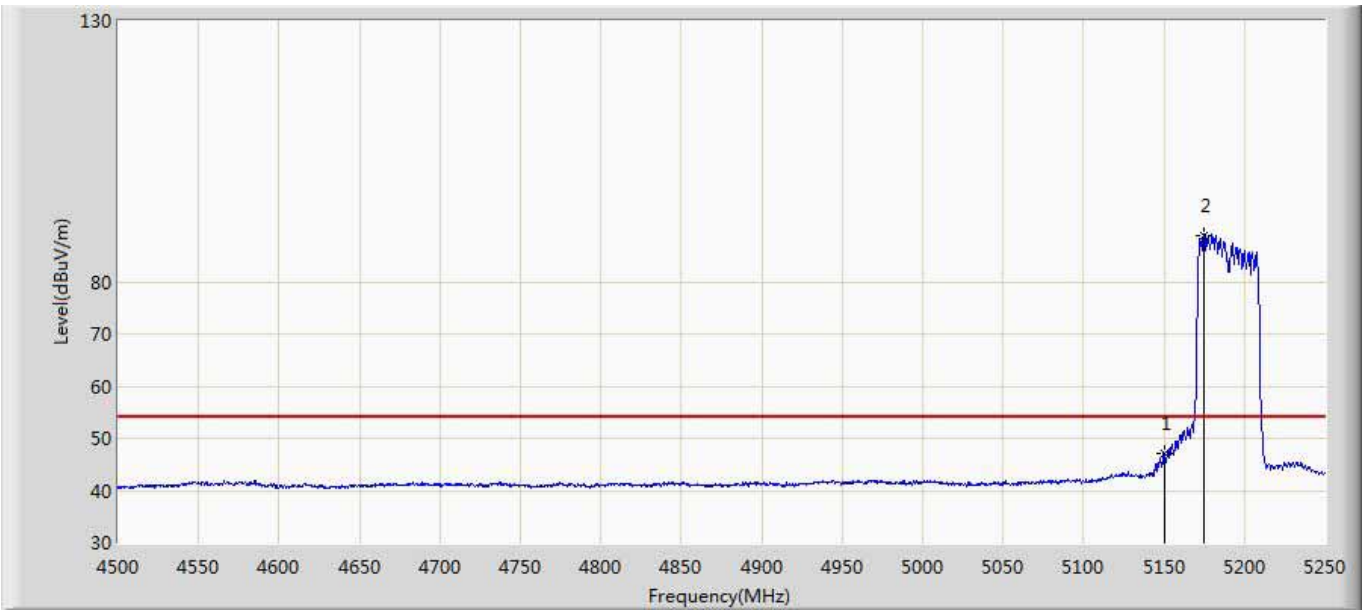
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	53.595	11.190	-0.405	54.000	42.405	AV
2	*	5184.375	94.474	51.934	N/A	N/A	42.541	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 15:14
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 5:Transmit at CH5190Mhz by 802.11ac40 with Ant1	



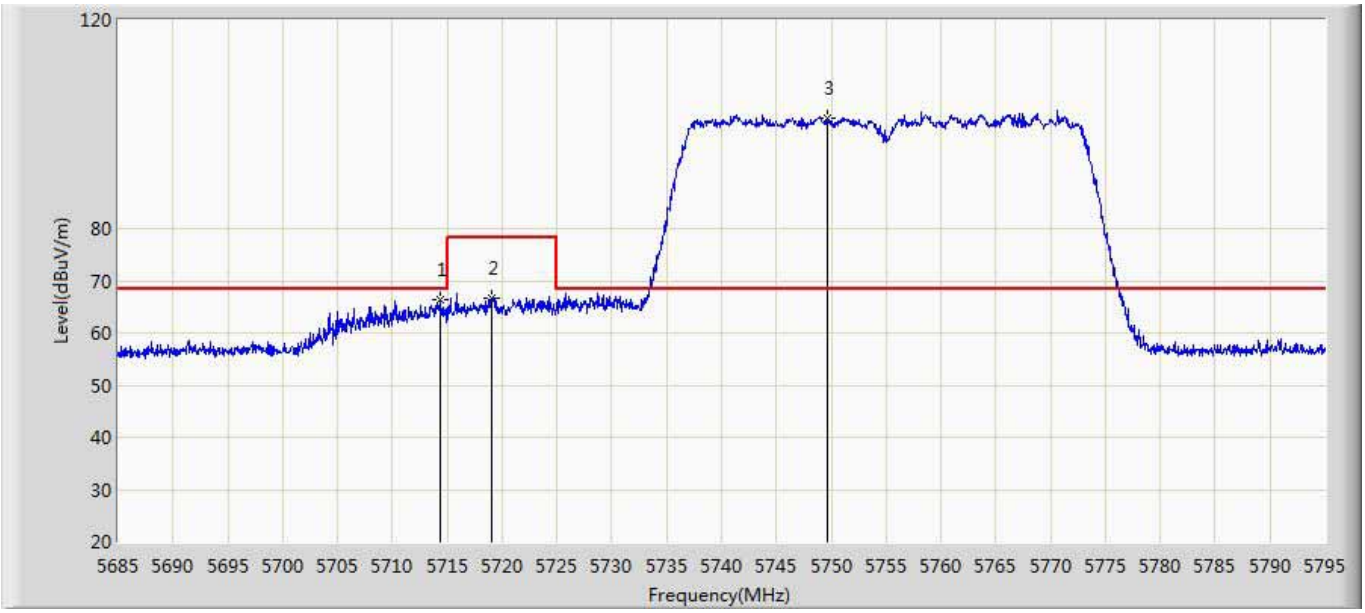
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	60.547	18.142	-13.453	74.000	42.405	PK
2	*	5175.000	98.356	55.806	N/A	N/A	42.550	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 15:15
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 5:Transmit at CH5190Mhz by 802.11ac40 with Ant1	



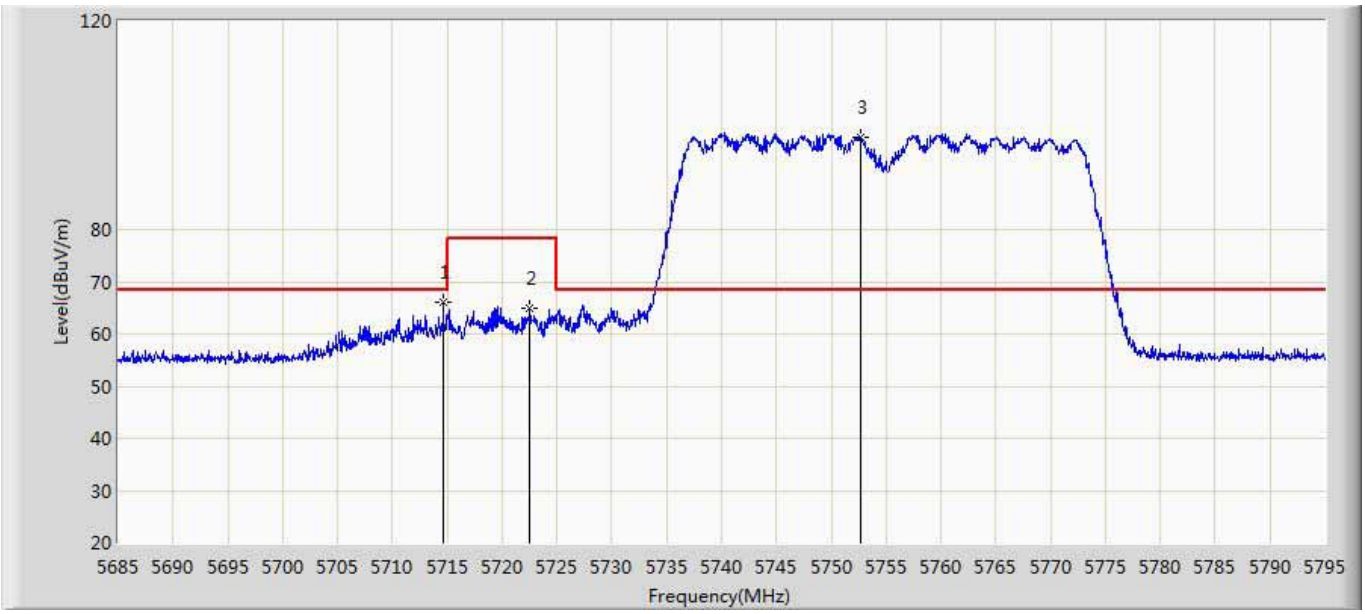
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	47.048	4.643	-6.952	54.000	42.405	AV
2	*	5174.625	88.912	46.362	N/A	N/A	42.550	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/07 - 10:20
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 5:Transmit at CH5755Mhz by 802.11ac40 with Ant1	



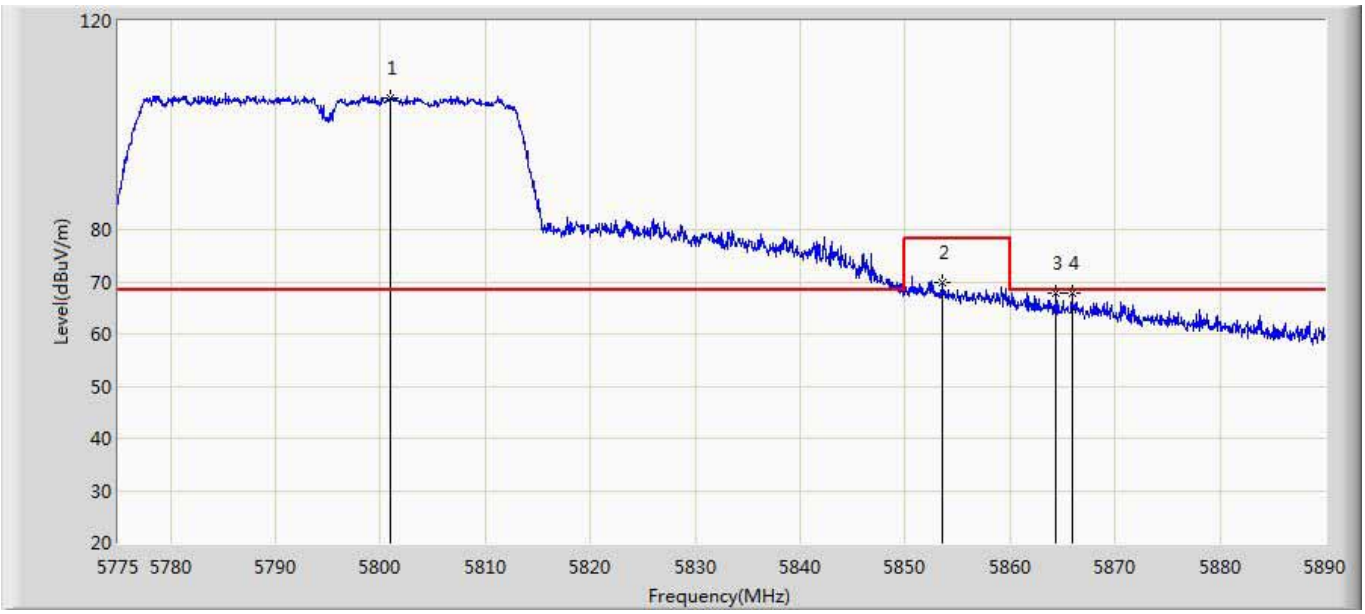
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5714.315	66.347	23.045	-1.953	68.300	43.302	PK
2		5718.990	66.784	23.498	-11.516	78.300	43.287	PK
3	*	5749.680	101.292	58.013	N/A	N/A	43.279	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/07 - 10:23
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 5:Transmit at CH5755Mhz by 802.11ac40 with Ant1	



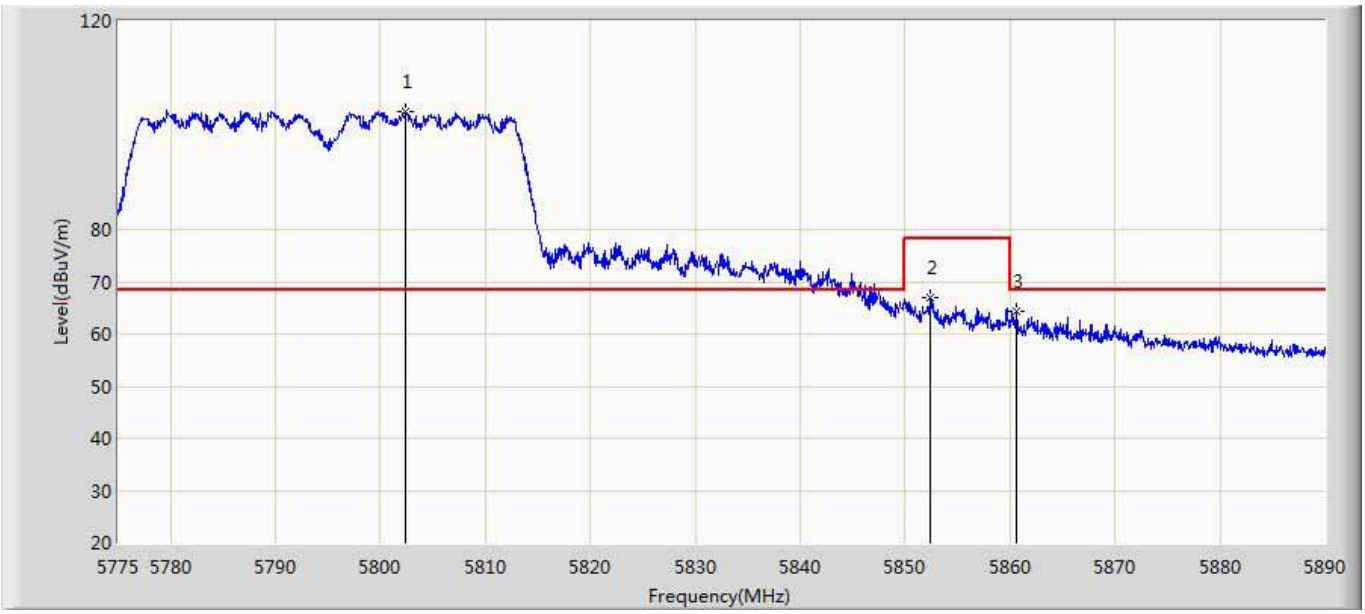
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5714.645	66.031	22.730	-2.269	68.300	43.302	PK
2		5722.510	65.023	21.749	-13.277	78.300	43.274	PK
3	*	5752.650	97.801	54.532	N/A	N/A	43.269	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/07 - 10:25
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 5:Transmit at CH5795Mhz by 802.11ac40 with Ant1	



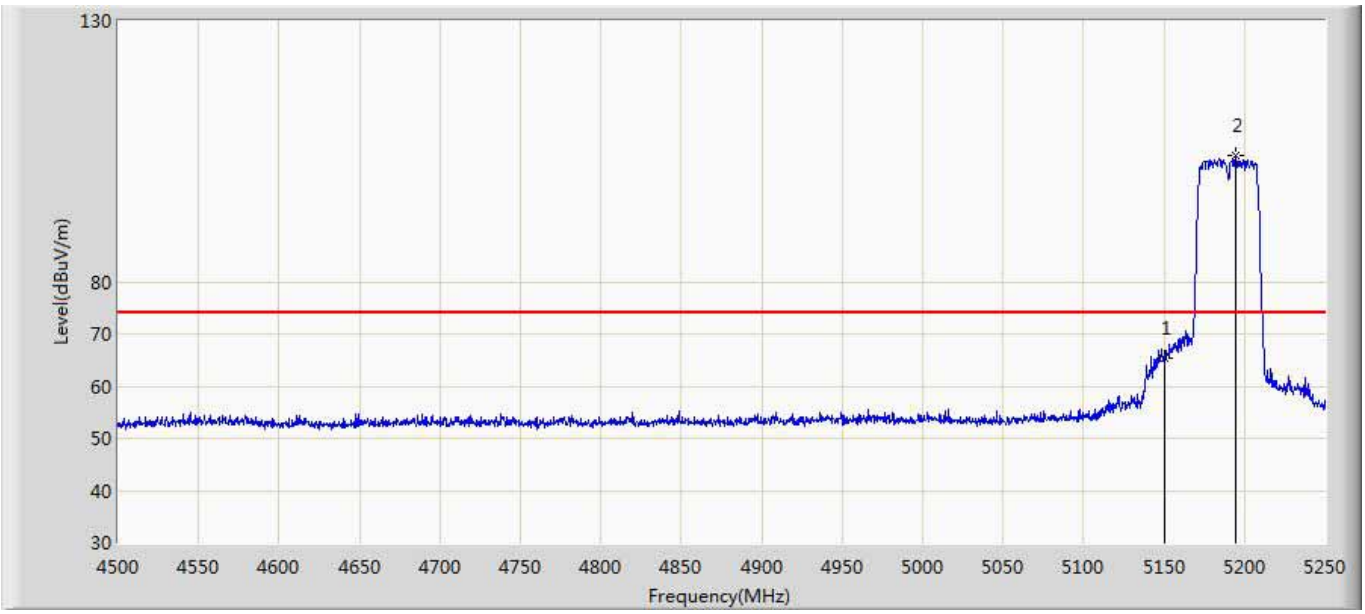
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5800.875	105.314	61.994	N/A	N/A	43.320	PK
2		5853.487	69.846	26.350	-8.454	78.300	43.496	PK
3		5864.413	67.710	24.141	-0.590	68.300	43.568	PK
4		5865.908	67.880	24.307	-0.420	68.300	43.574	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/07 - 10:29
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 5:Transmit at CH5795Mhz by 802.11ac40 with Ant1	



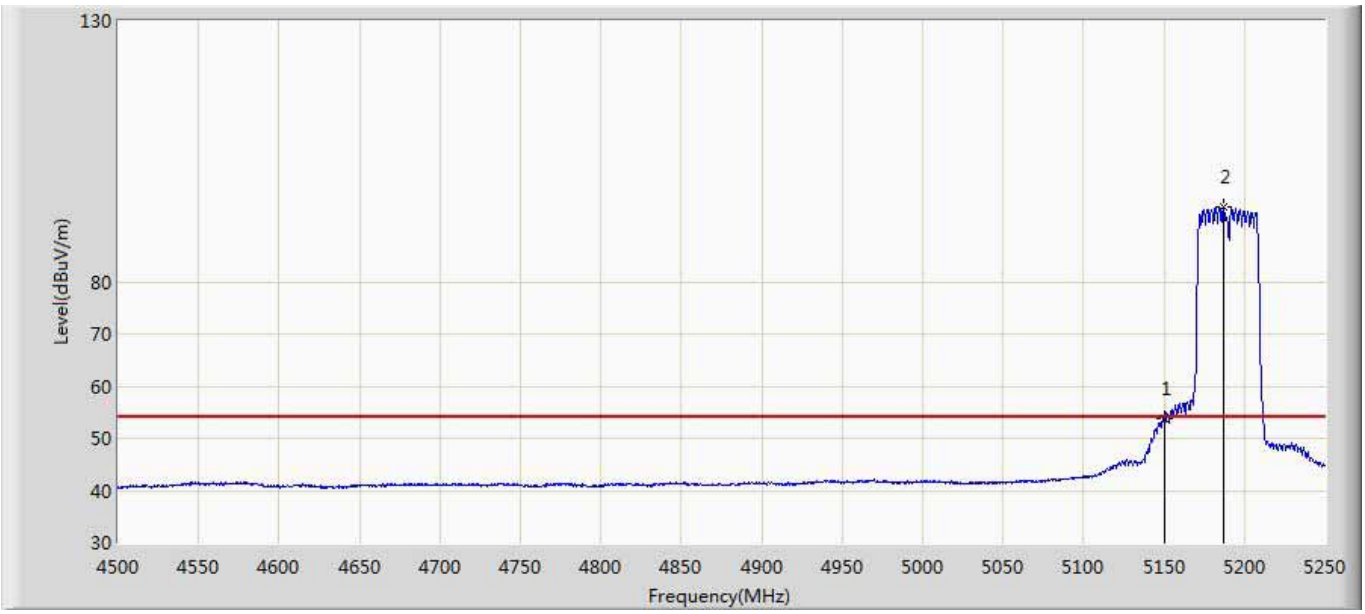
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5802.428	102.465	59.137	N/A	N/A	43.328	PK
2		5852.395	67.070	23.582	-11.230	78.300	43.487	PK
3		5860.618	64.312	20.761	-3.988	68.300	43.551	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 15:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 5:Transmit at CH5190Mhz by 802.11ac40 with Ant2	



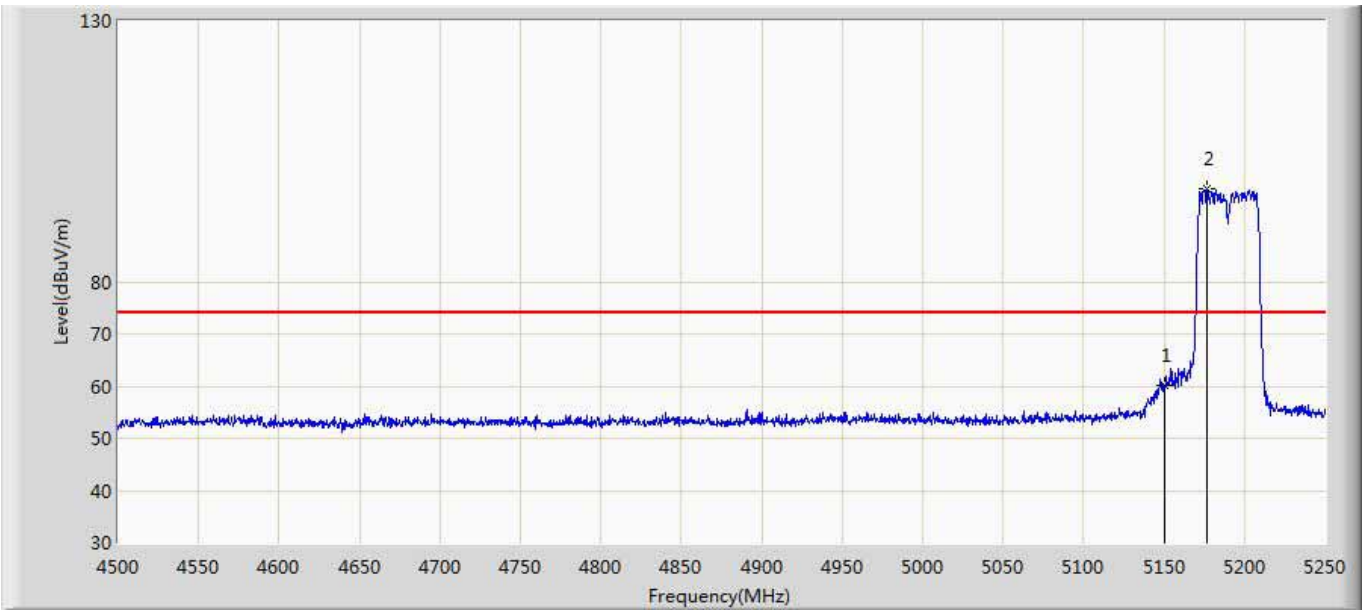
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	65.286	22.881	-8.714	74.000	42.405	PK
2	*	5194.875	104.173	61.694	N/A	N/A	42.479	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 15:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 5:Transmit at CH5190Mhz by 802.11ac40 with Ant2	



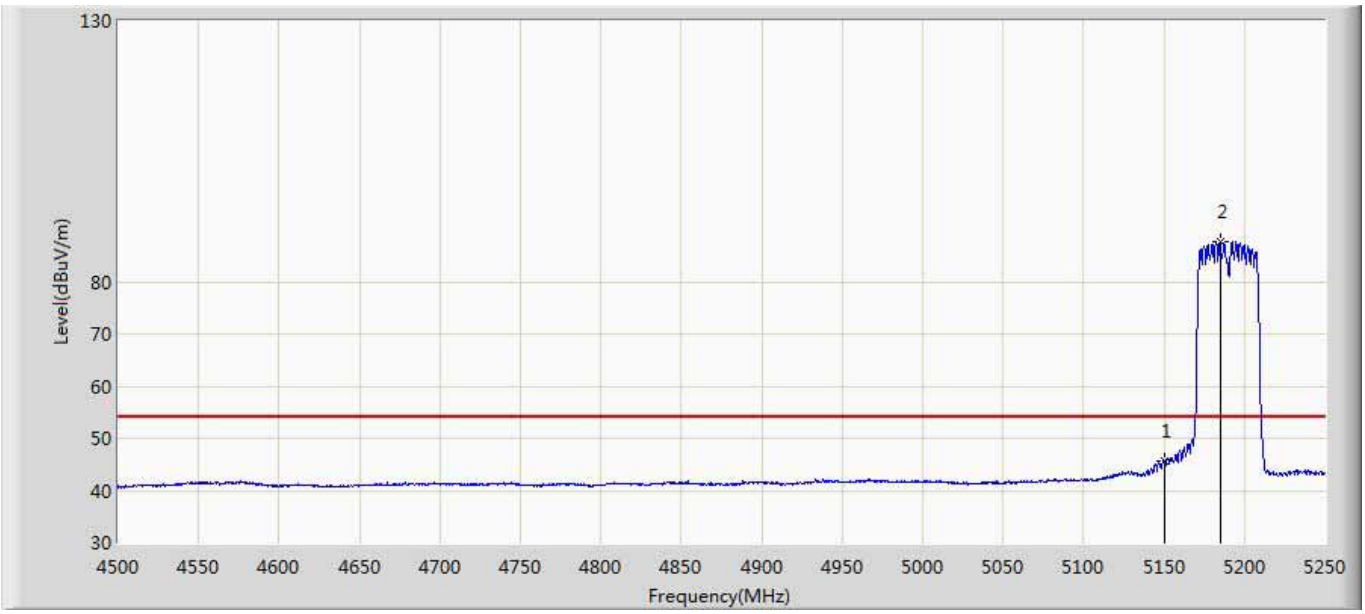
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	53.727	11.322	-0.273	54.000	42.405	AV
2	*	5187.000	94.235	51.710	N/A	N/A	42.525	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 15:22
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 5:Transmit at CH5190Mhz by 802.11ac40 with Ant2	



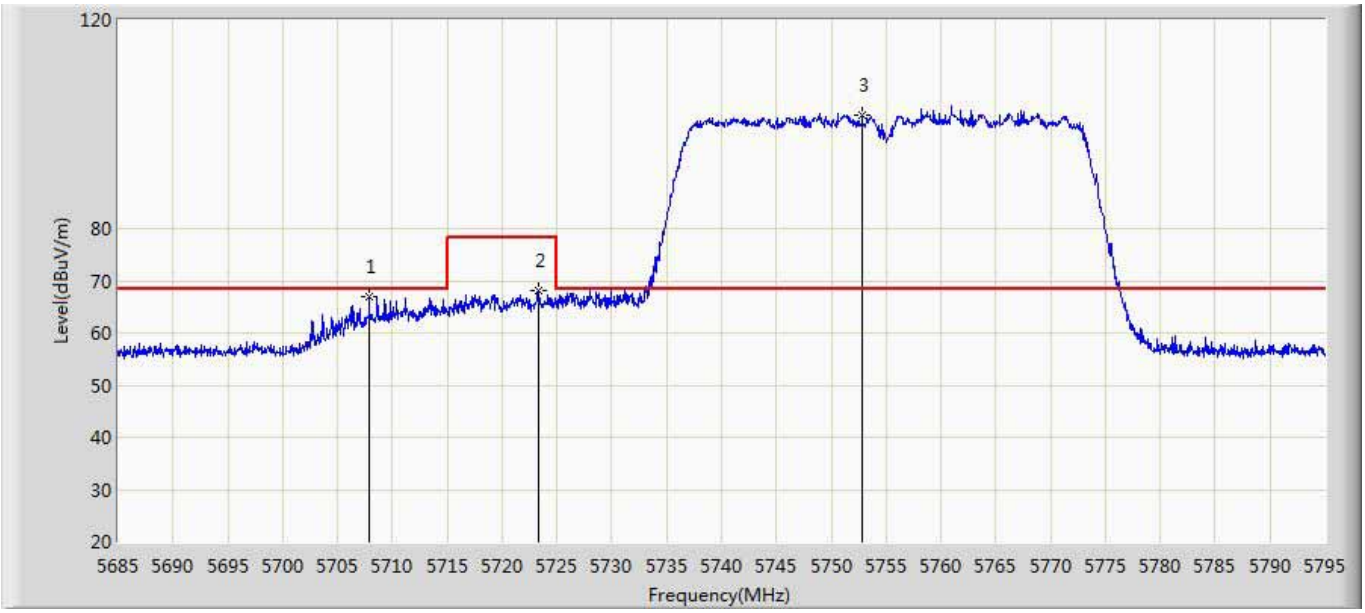
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	60.064	17.659	-13.936	74.000	42.405	PK
2	*	5176.500	97.875	55.324	N/A	N/A	42.551	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 15:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 5:Transmit at CH5190Mhz by 802.11ac40 with Ant2	



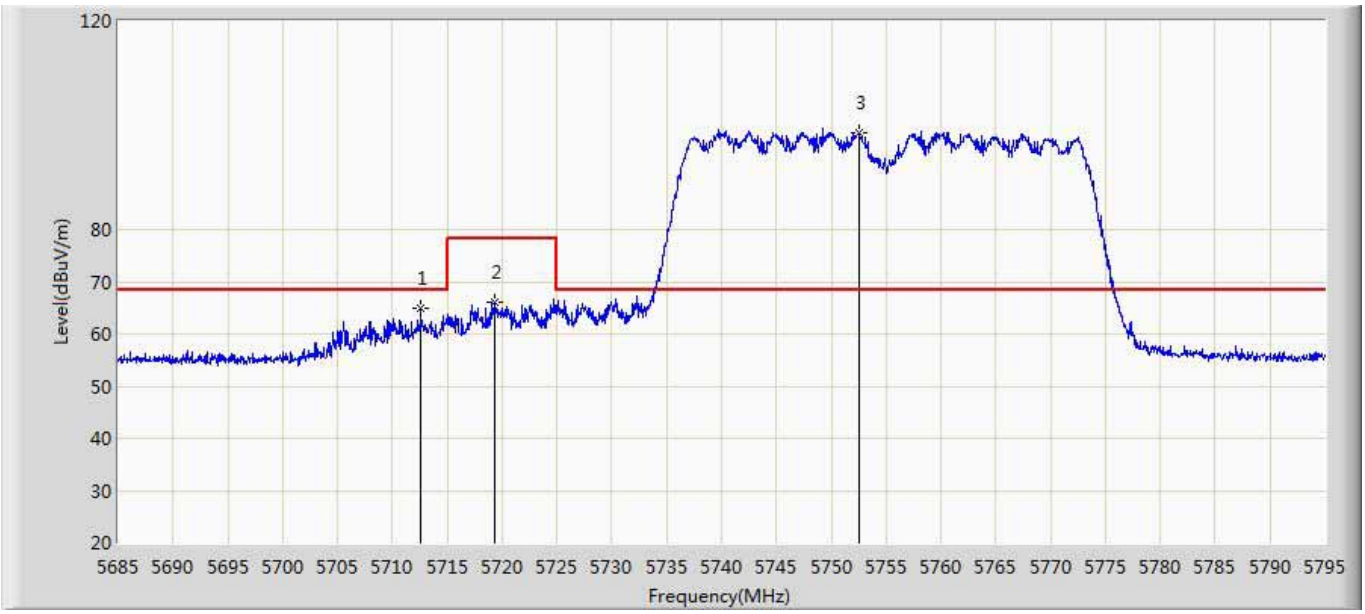
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	45.594	3.189	-8.406	54.000	42.405	AV
2	*	5184.750	87.690	45.152	N/A	N/A	42.538	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/07 - 10:34
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 5:Transmit at CH5755Mhz by 802.11ac40 with Ant2	



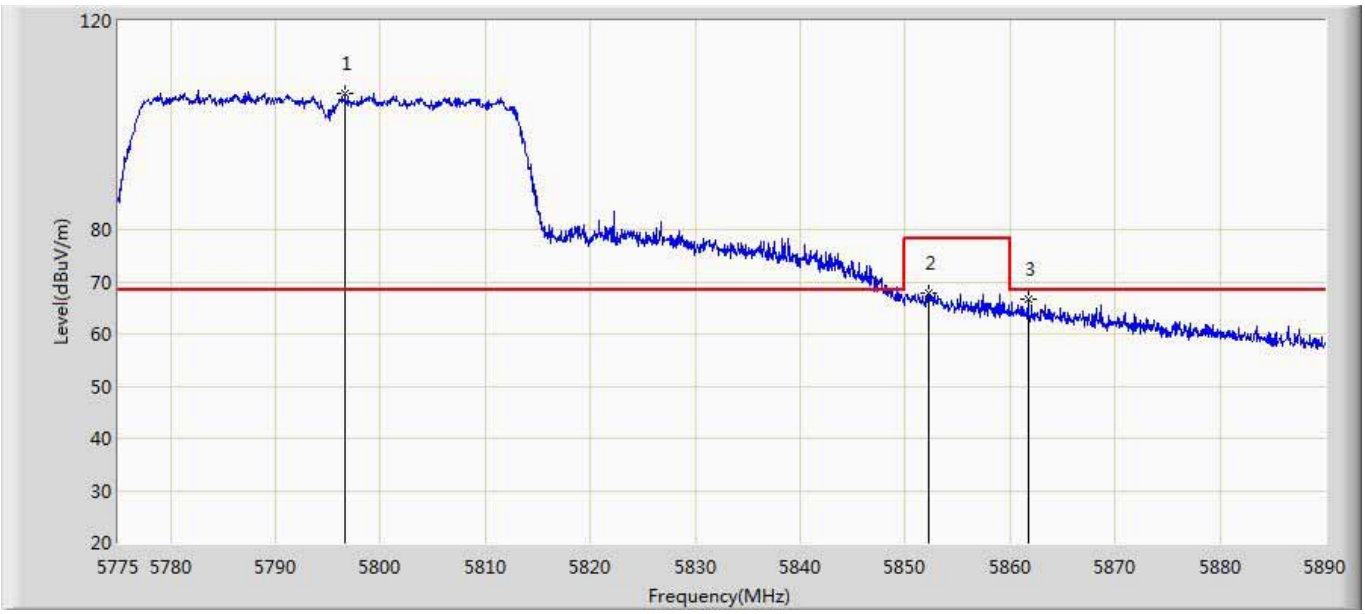
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5707.880	66.896	23.579	-1.404	68.300	43.316	PK
2		5723.335	67.984	24.712	-10.316	78.300	43.271	PK
3	*	5752.815	101.715	58.447	N/A	N/A	43.268	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/07 - 10:36
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 5:Transmit at CH5755Mhz by 802.11ac40 with Ant2	



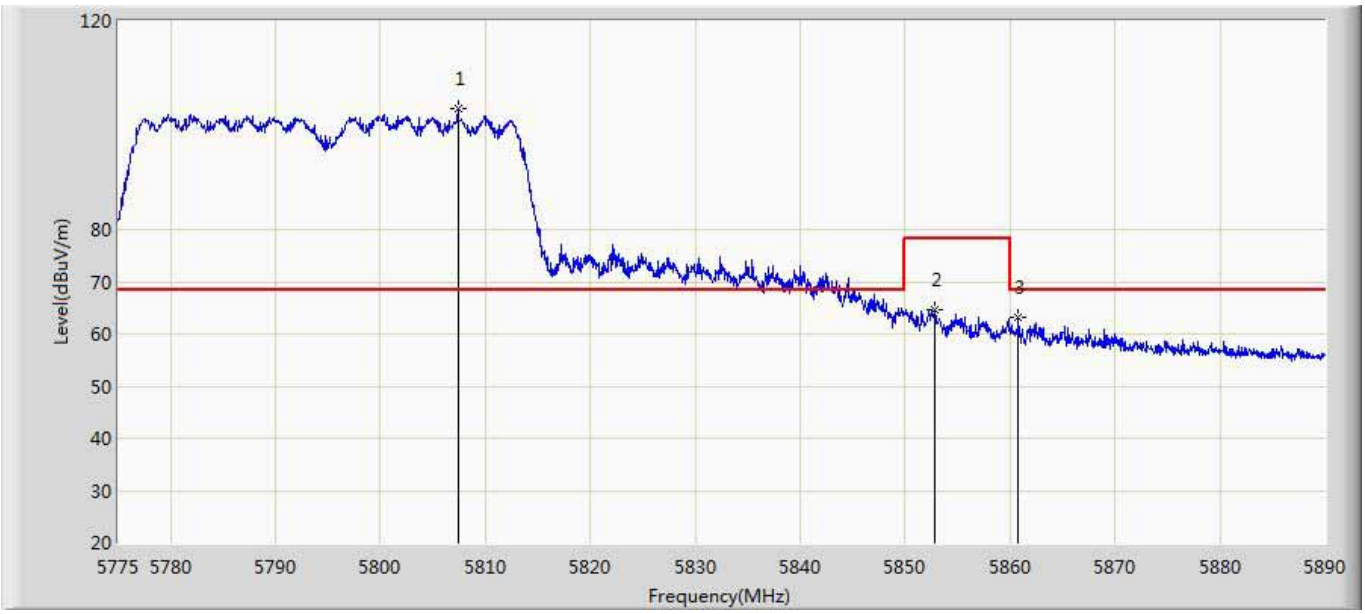
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5712.555	64.846	21.538	-3.454	68.300	43.308	PK
2		5719.265	66.197	22.912	-12.103	78.300	43.286	PK
3	*	5752.485	98.513	55.244	N/A	N/A	43.269	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/07 - 10:38
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 5:Transmit at CH5795Mhz by 802.11ac40 with Ant2	



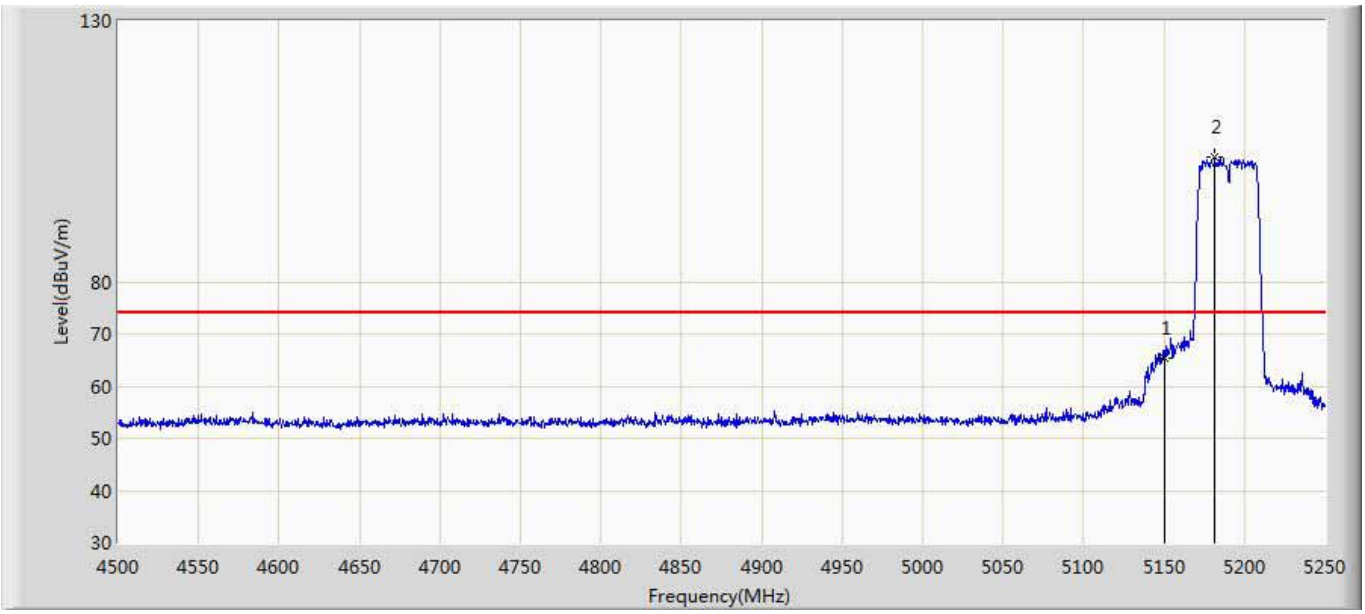
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5796.620	105.996	62.697	N/A	N/A	43.300	PK
2		5852.280	67.938	24.451	-10.362	78.300	43.486	PK
3		5861.710	66.538	22.979	-1.762	68.300	43.559	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/07 - 10:44
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 5:Transmit at CH5795Mhz by 802.11ac40 with Ant2	



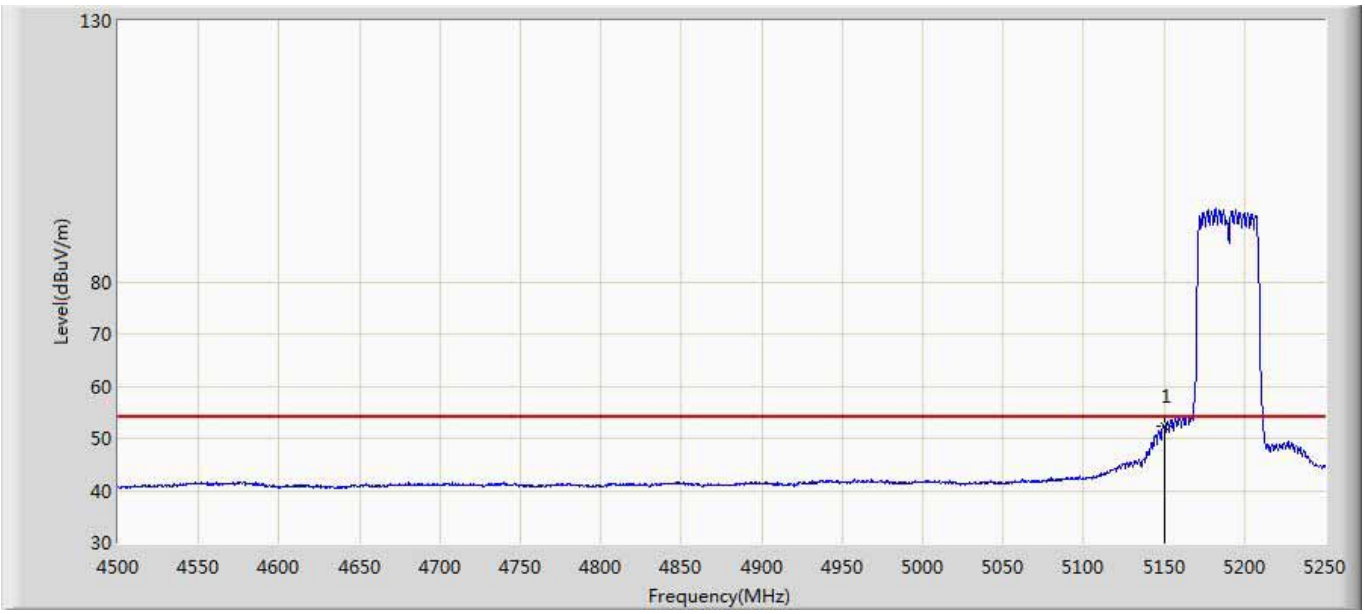
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5807.373	103.090	59.737	N/A	N/A	43.353	PK
2		5852.855	64.608	21.117	-13.692	78.300	43.491	PK
3		5860.790	63.114	19.562	-5.186	68.300	43.552	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 15:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 5:Transmit at CH5190Mhz by 802.11ac40 with Ant1+2	



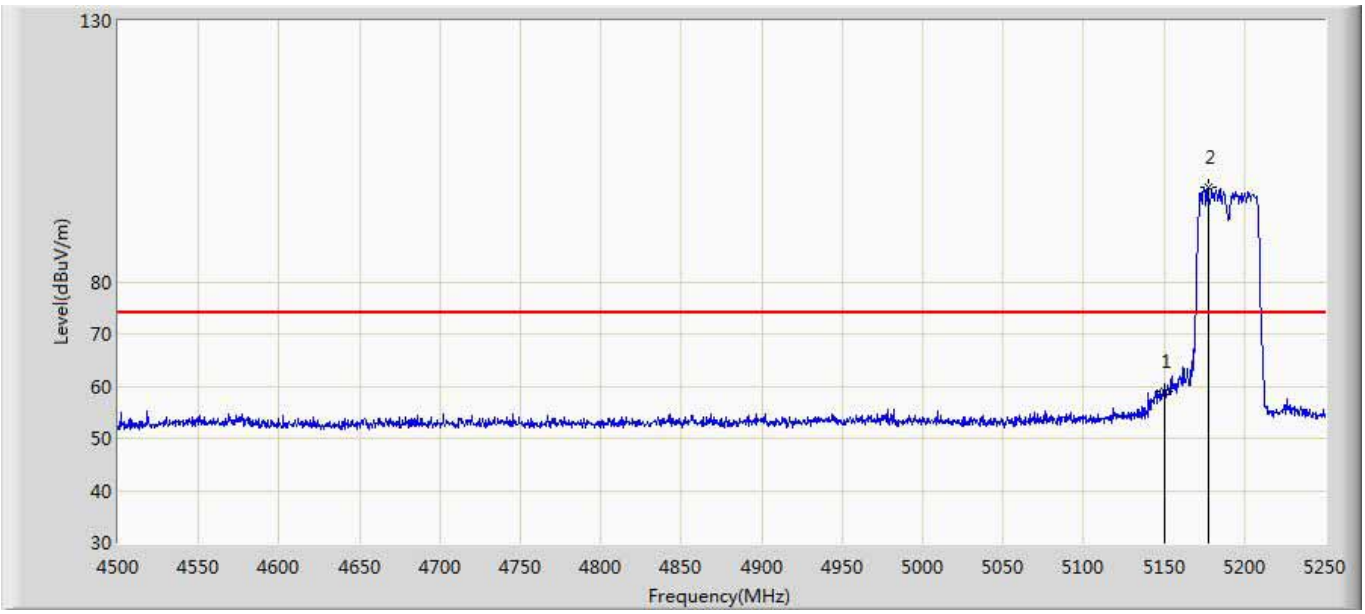
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	65.373	22.968	-8.627	74.000	42.405	PK
2	*	5181.750	103.867	61.313	N/A	N/A	42.555	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 15:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 5:Transmit at CH5190Mhz by 802.11ac40 with Ant1+2	



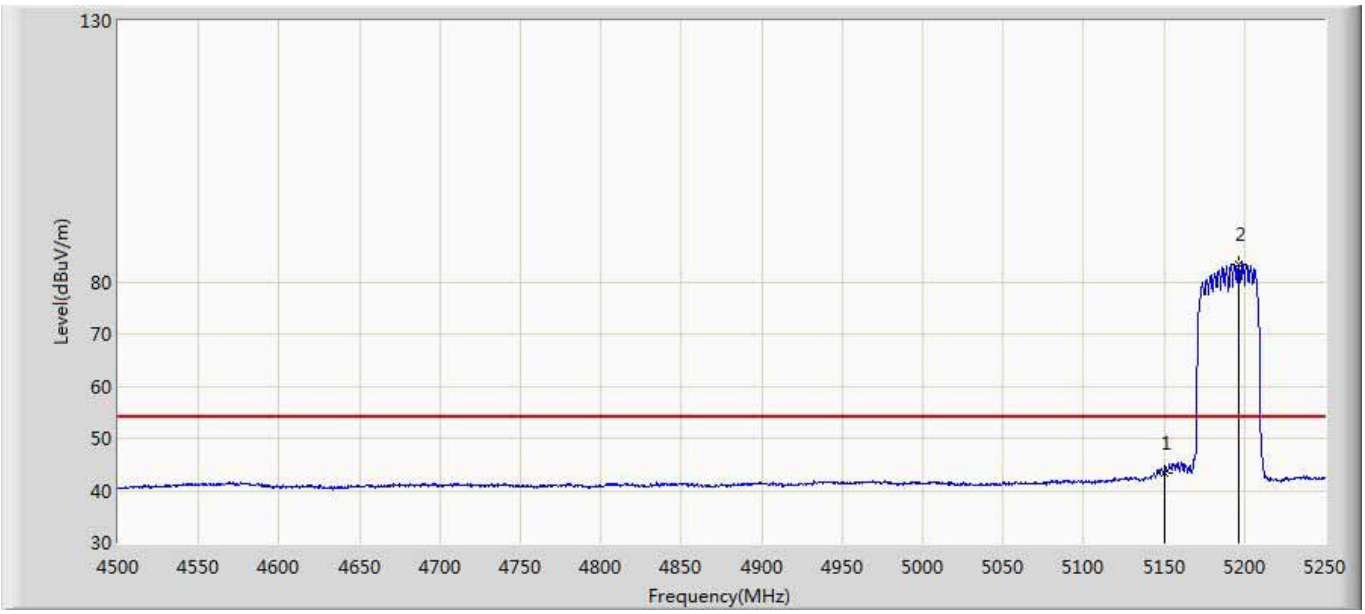
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5150.000	52.241	9.836	-1.759	54.000	42.405	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 15:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 5:Transmit at CH5190Mhz by 802.11ac40 with Ant1+2	



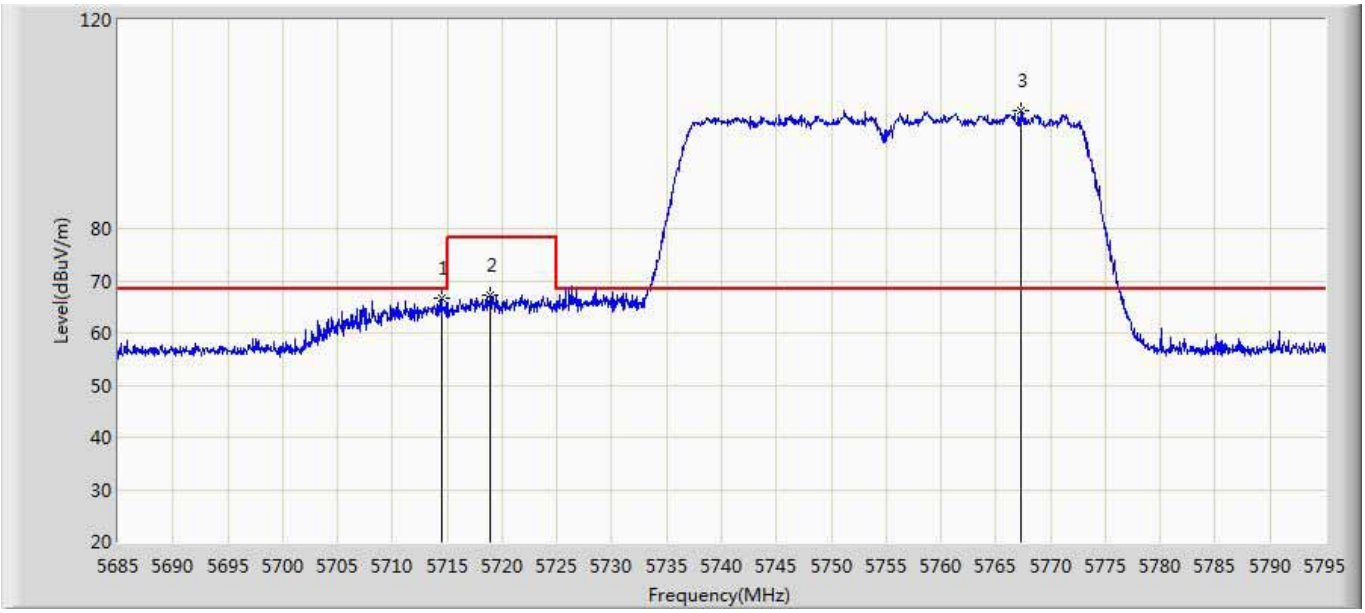
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	58.852	16.447	-15.148	74.000	42.405	PK
2	*	5177.625	98.109	55.557	N/A	N/A	42.552	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 15:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 5:Transmit at CH5190Mhz by 802.11ac40 with Ant1+2	



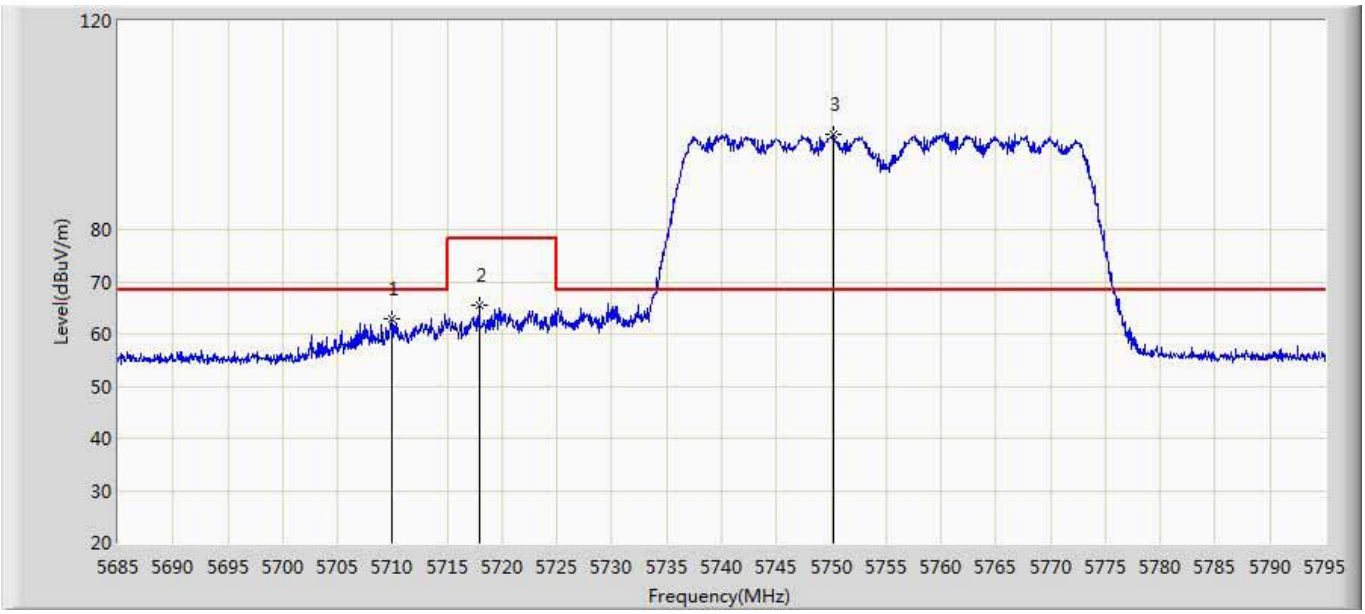
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	43.249	0.844	-10.751	54.000	42.405	AV
2	*	5196.375	83.396	40.925	N/A	N/A	42.471	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/07 - 10:46
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 5:Transmit at CH5755Mhz by 802.11ac40 with Ant1+2	



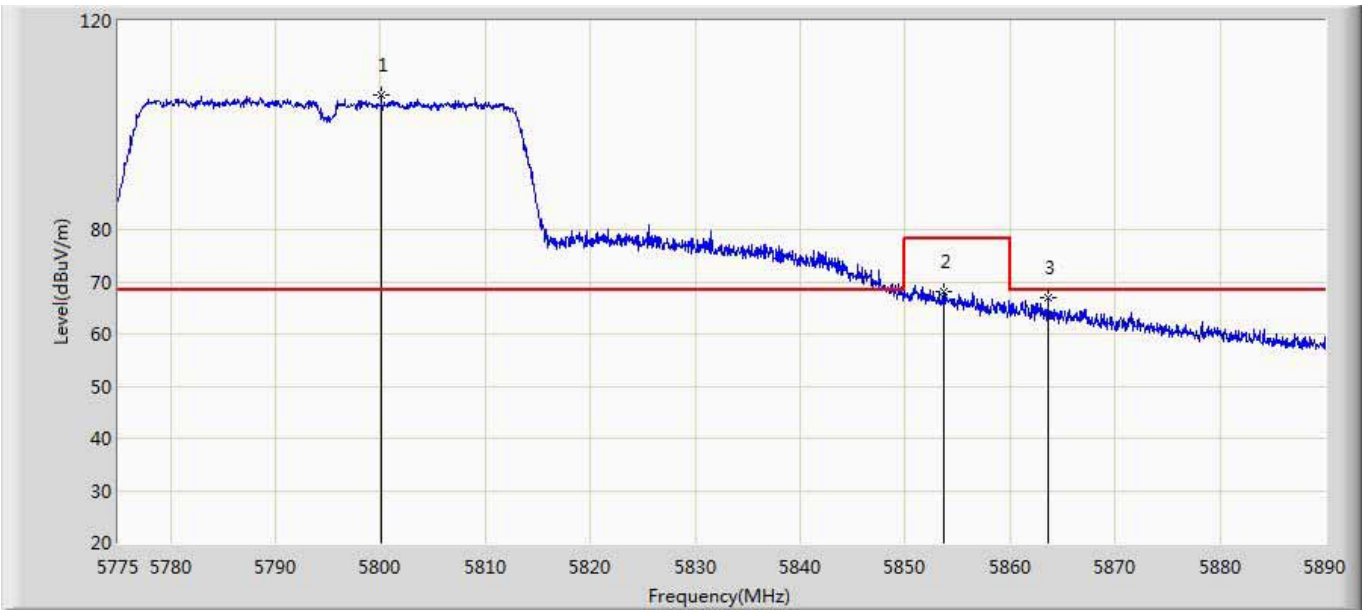
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5714.480	66.556	23.254	-1.744	68.300	43.301	PK
2		5718.880	67.255	23.968	-11.045	78.300	43.286	PK
3	*	5767.225	102.470	59.186	N/A	N/A	43.284	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/07 - 10:49
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 5:Transmit at CH5755Mhz by 802.11ac40 with Ant1+2	



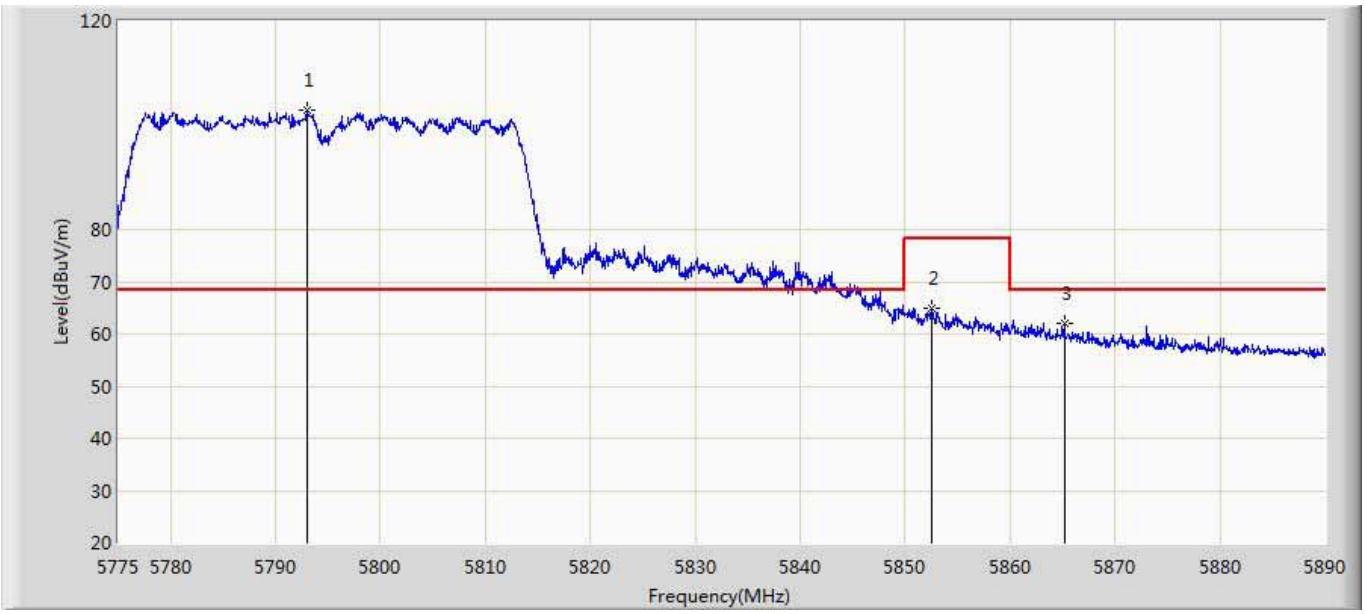
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5709.915	62.874	19.557	-5.426	68.300	43.317	PK
2		5717.890	65.373	22.083	-12.927	78.300	43.290	PK
3	*	5750.230	98.214	54.937	N/A	N/A	43.277	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/07 - 10:50
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 5:Transmit at CH5795Mhz by 802.11ac40 with Ant1+2	



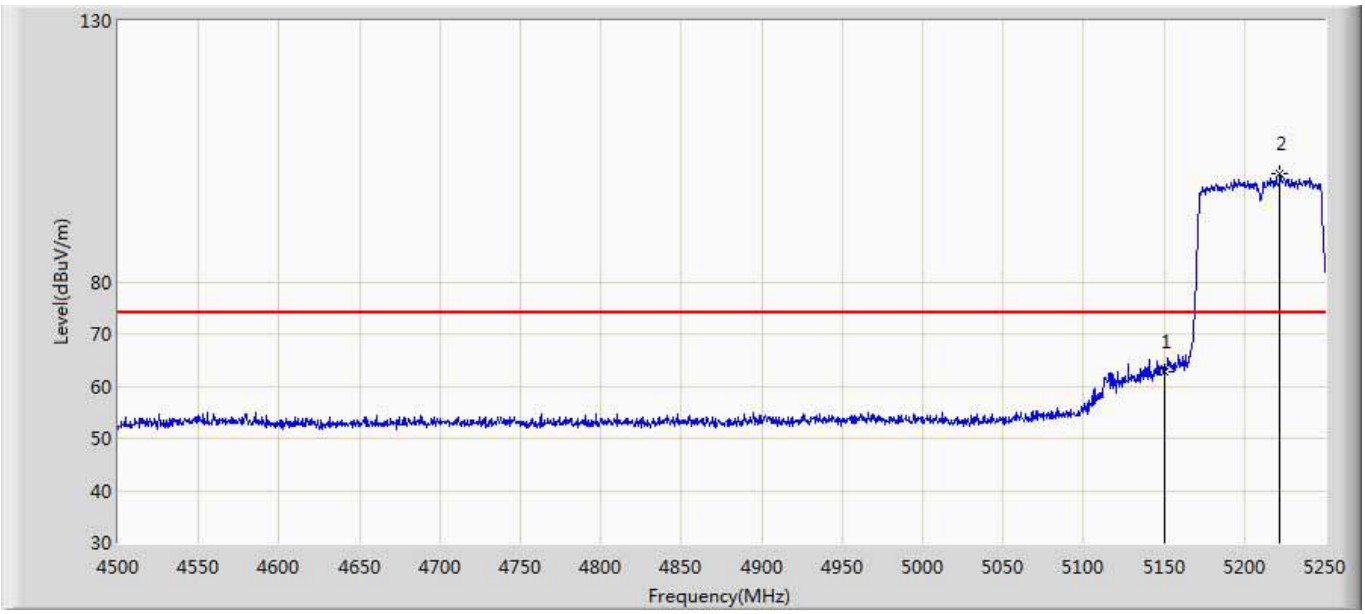
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5800.070	105.854	62.538	N/A	N/A	43.316	PK
2		5853.717	68.041	24.543	-10.259	78.300	43.497	PK
3		5863.607	67.053	23.487	-1.247	68.300	43.566	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/07 - 10:53
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 5:Transmit at CH5795Mhz by 802.11ac40 with Ant1+2	



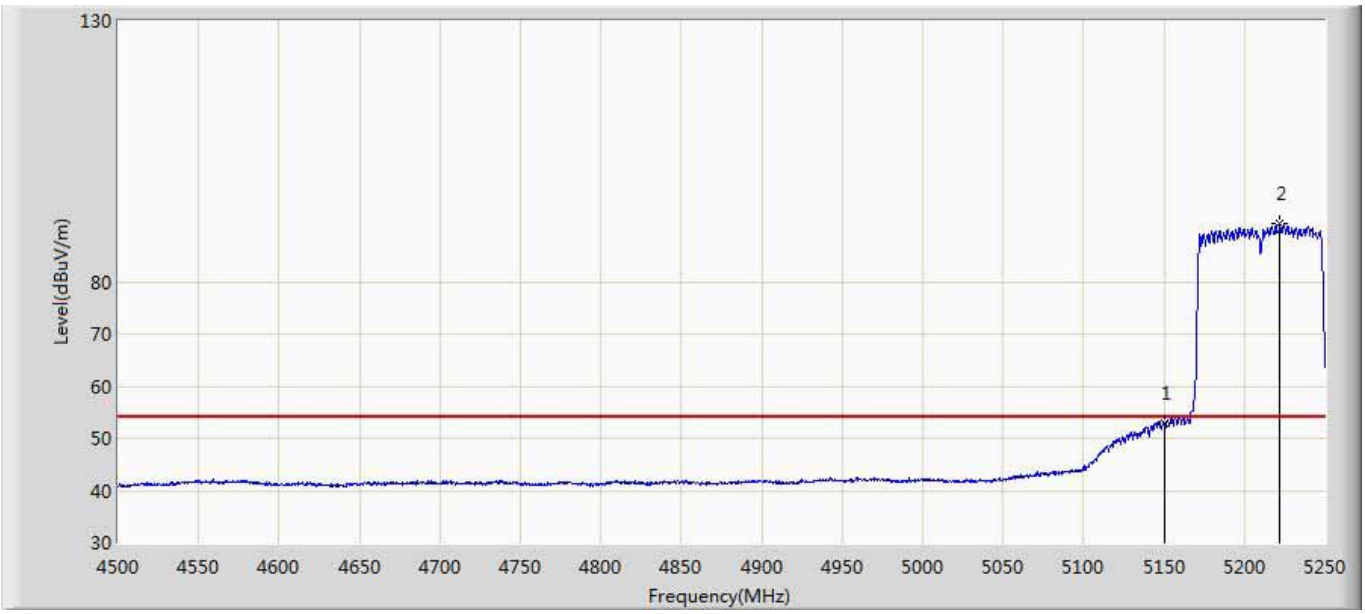
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	5793.055	102.968	59.679	N/A	N/A	43.290	PK
2		5852.510	64.968	21.480	-13.332	78.300	43.489	PK
3		5865.160	62.138	18.567	-6.162	68.300	43.571	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 15:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 6:Transmit at CH5210Mhz by 802.11ac80 with Ant1	



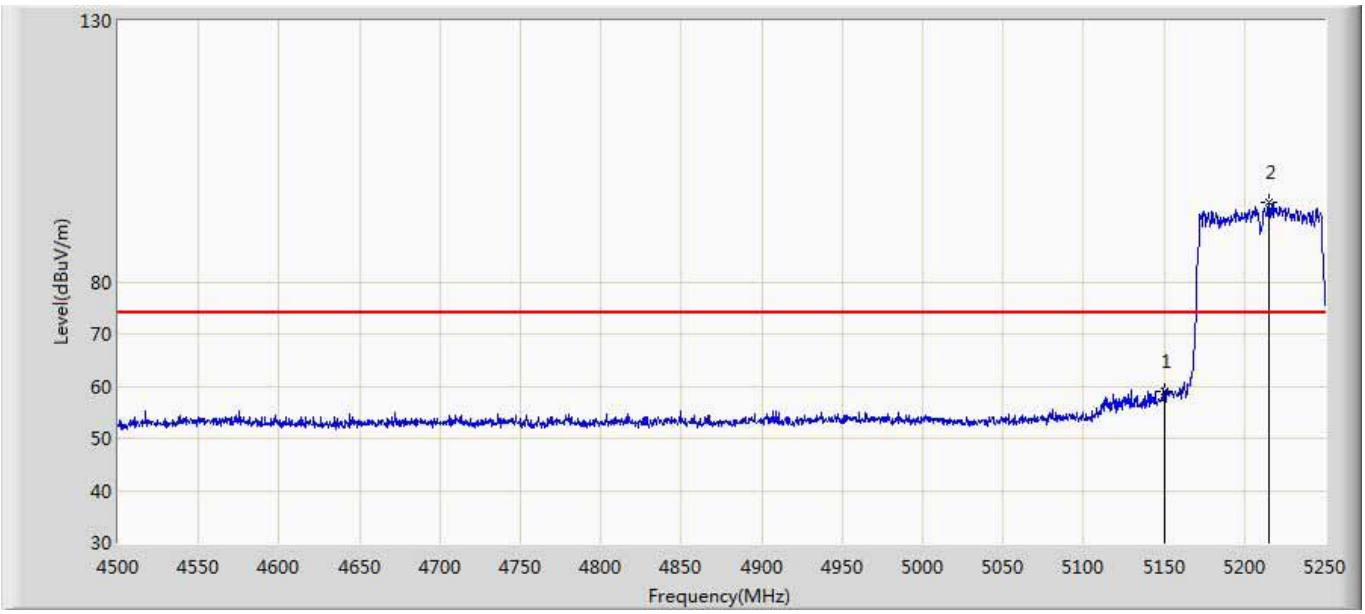
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	62.851	20.446	-11.149	74.000	42.405	PK
2	*	5222.250	100.840	58.394	N/A	N/A	42.446	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 15:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 6:Transmit at CH5210Mhz by 802.11ac80 with Ant1	



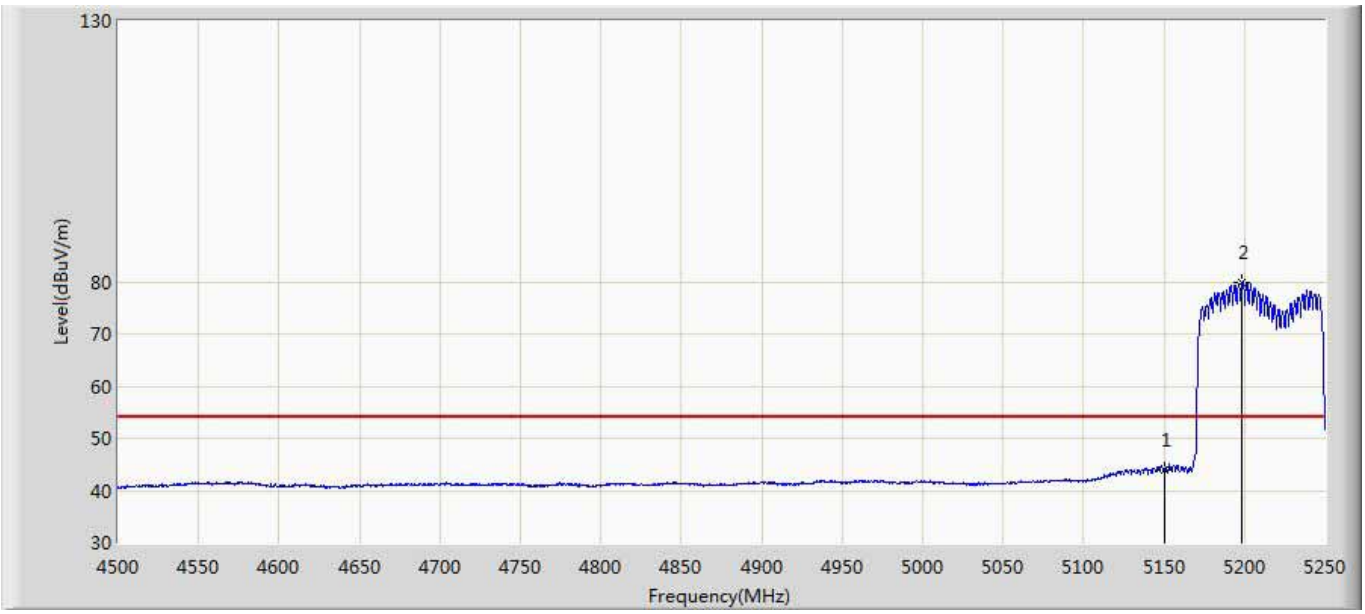
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	52.949	10.544	-1.051	54.000	42.405	AV
2	*	5221.875	91.275	48.831	N/A	N/A	42.443	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 15:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 6:Transmit at CH5210Mhz by 802.11ac80 with Ant1	



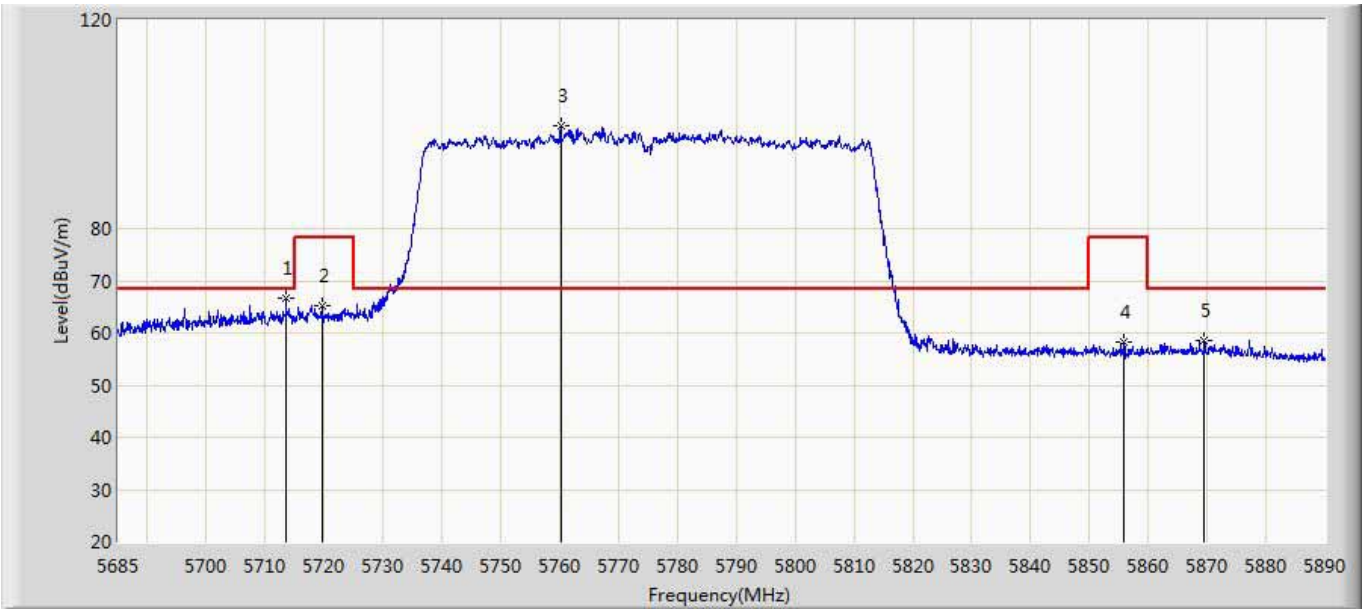
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	58.976	16.571	-15.024	74.000	42.405	PK
2	*	5215.500	95.219	52.805	N/A	N/A	42.414	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 15:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 6:Transmit at CH5210Mhz by 802.11ac80 with Ant1	



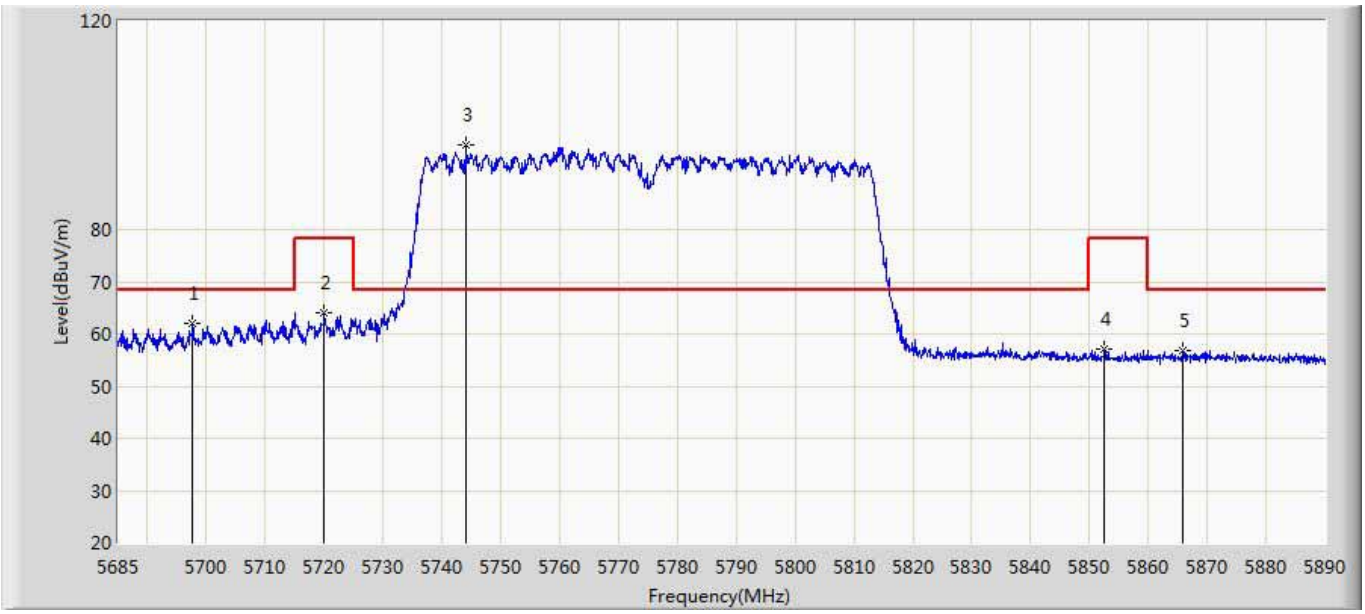
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	43.786	1.381	-10.214	54.000	42.405	AV
2	*	5198.625	79.972	37.514	N/A	N/A	42.457	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/07 - 11:00
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 6:Transmit at CH5775Mhz by 802.11ac80 with Ant1	



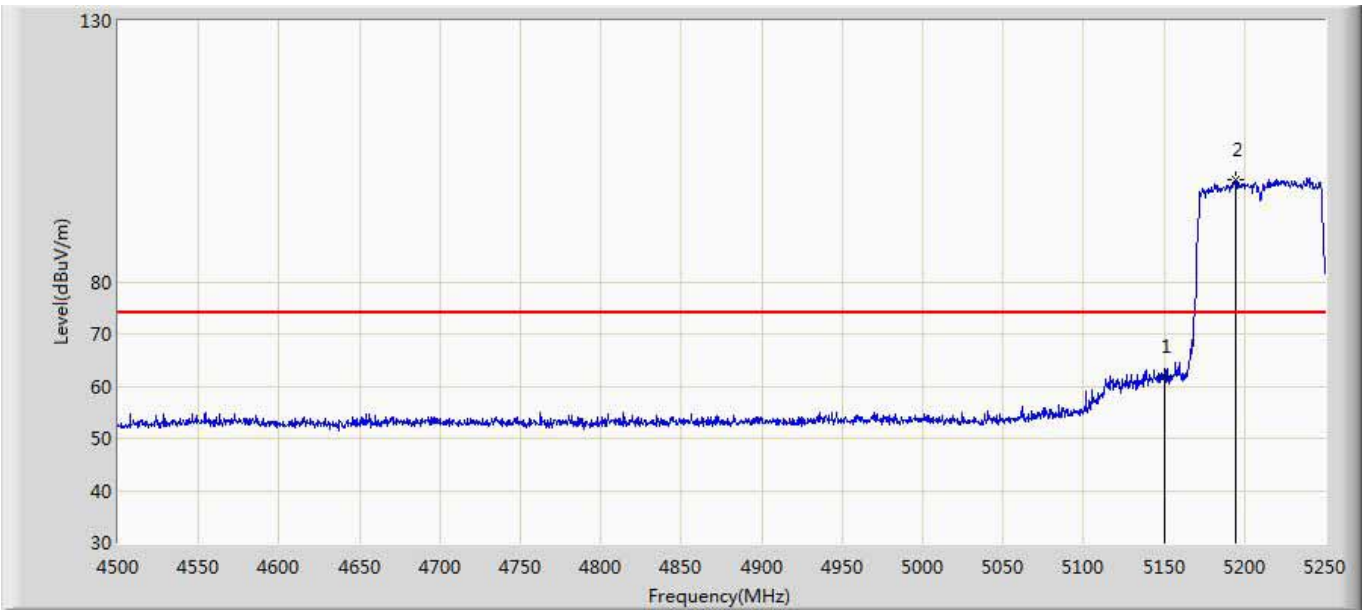
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5713.495	66.548	23.243	-1.752	68.300	43.305	PK
2		5719.645	65.187	21.903	-13.113	78.300	43.284	PK
3	*	5760.235	99.612	56.368	N/A	N/A	43.244	PK
4		5855.868	58.338	14.824	-19.962	78.300	43.514	PK
5		5869.500	58.478	14.893	-9.822	68.300	43.585	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/07 - 11:03
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 6:Transmit at CH5775Mhz by 802.11ac80 with Ant1	



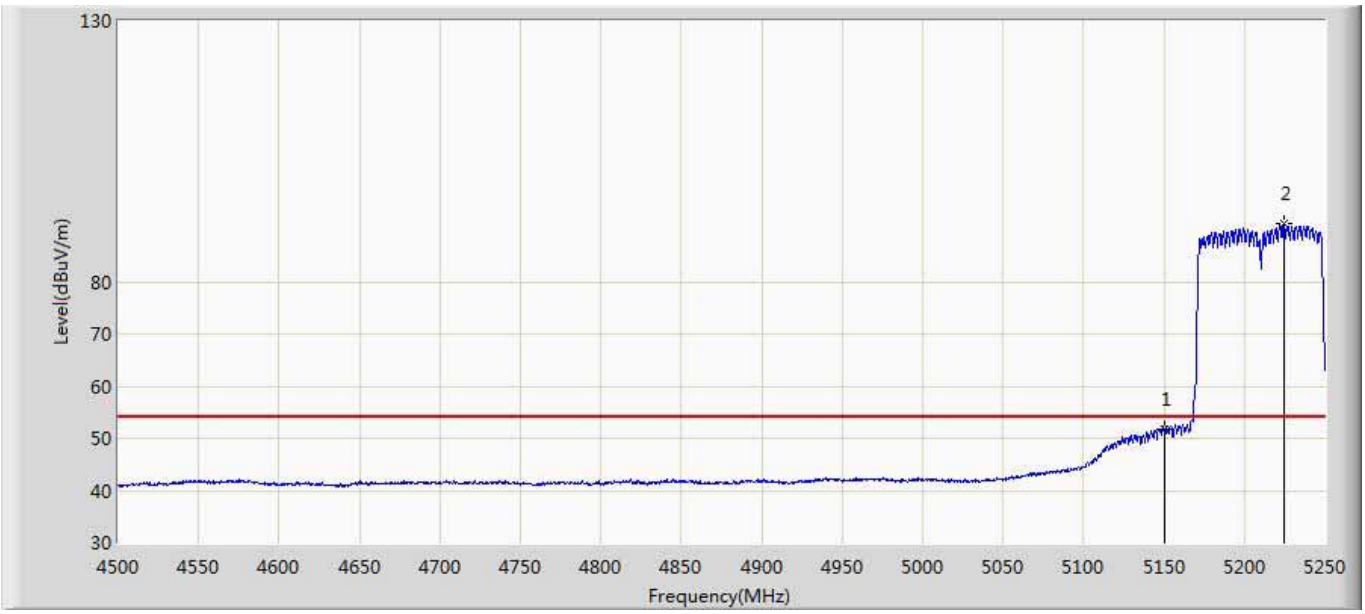
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5697.710	62.163	18.878	-6.137	68.300	43.285	PK
2		5720.055	64.130	20.847	-14.170	78.300	43.283	PK
3	*	5744.143	96.336	53.037	N/A	N/A	43.299	PK
4		5852.587	57.175	13.686	-21.125	78.300	43.489	PK
5		5865.913	56.669	13.096	-11.631	68.300	43.574	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 15:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 6:Transmit at CH5210Mhz by 802.11ac80 with Ant2	



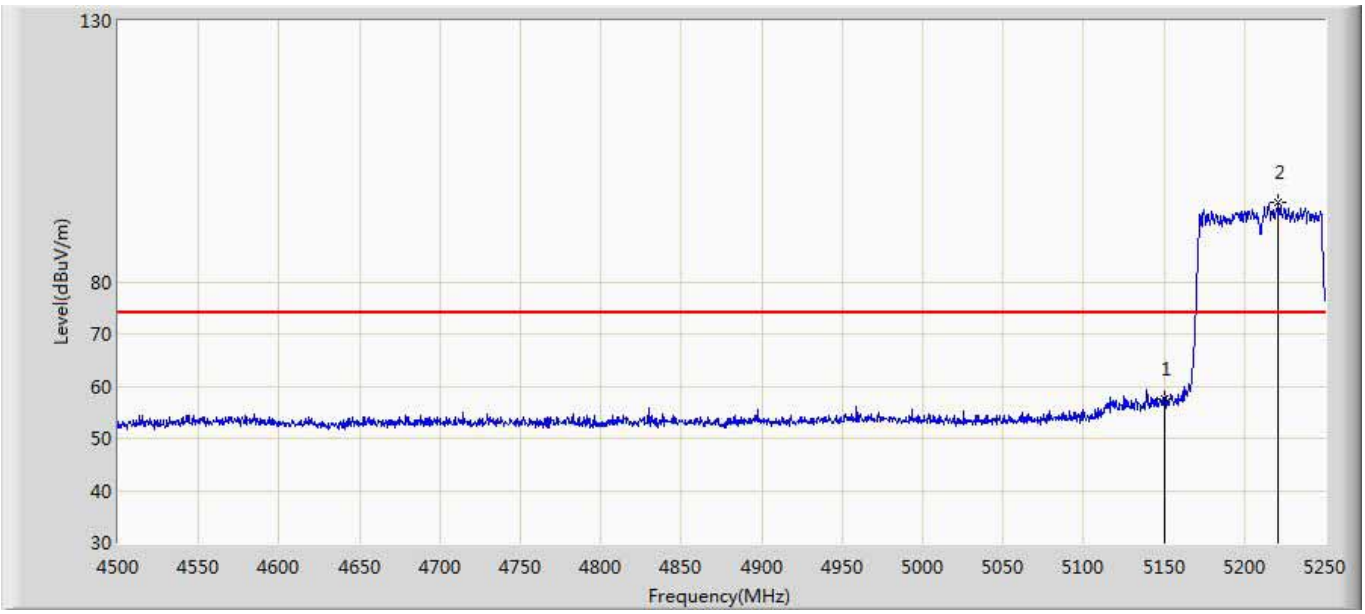
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	61.797	19.392	-12.203	74.000	42.405	PK
2	*	5194.875	99.423	56.944	N/A	N/A	42.479	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 15:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 6:Transmit at CH5210Mhz by 802.11ac80 with Ant2	



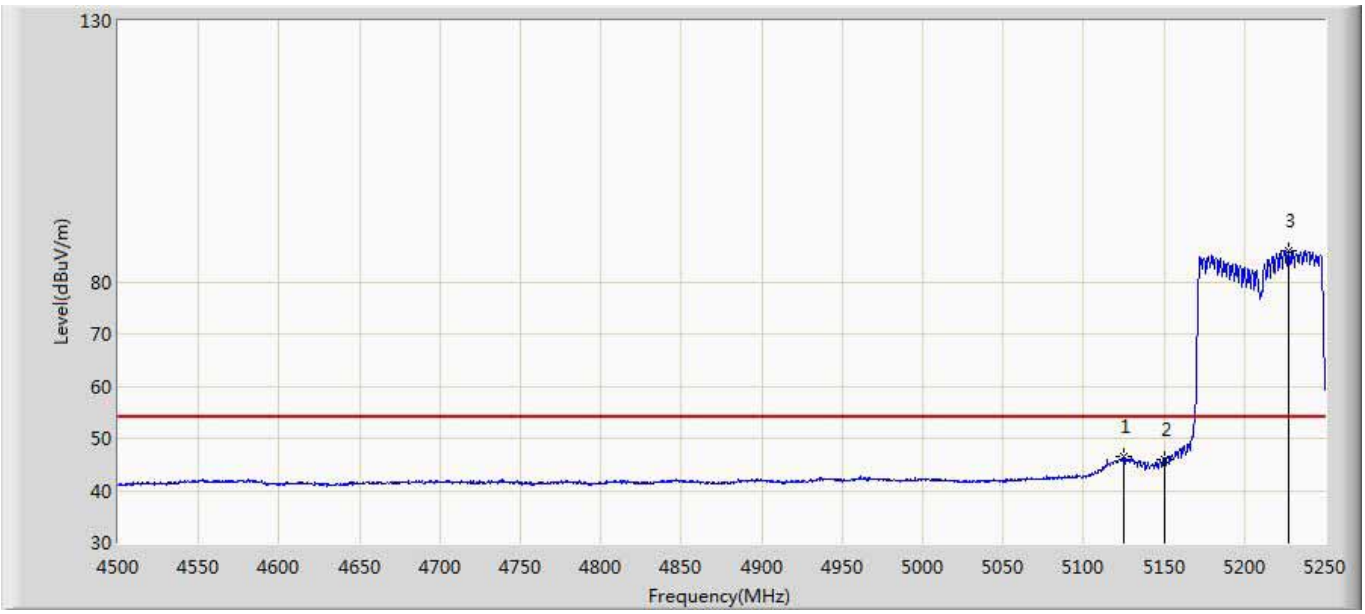
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	51.717	9.312	-2.283	54.000	42.405	AV
2	*	5224.500	91.030	48.572	N/A	N/A	42.458	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 15:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 6:Transmit at CH5210Mhz by 802.11ac80 with Ant2	



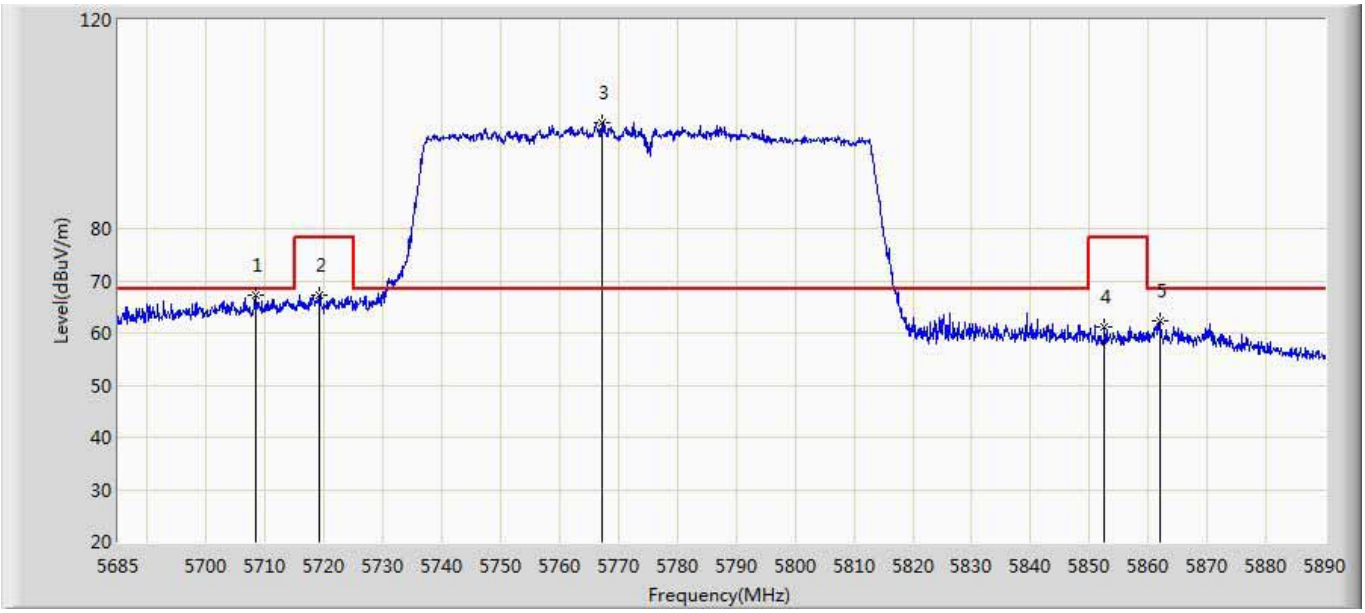
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	57.445	15.040	-16.555	74.000	42.405	PK
2	*	5221.125	95.135	52.695	N/A	N/A	42.440	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 15:52
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 6:Transmit at CH5210Mhz by 802.11ac80 with Ant2	



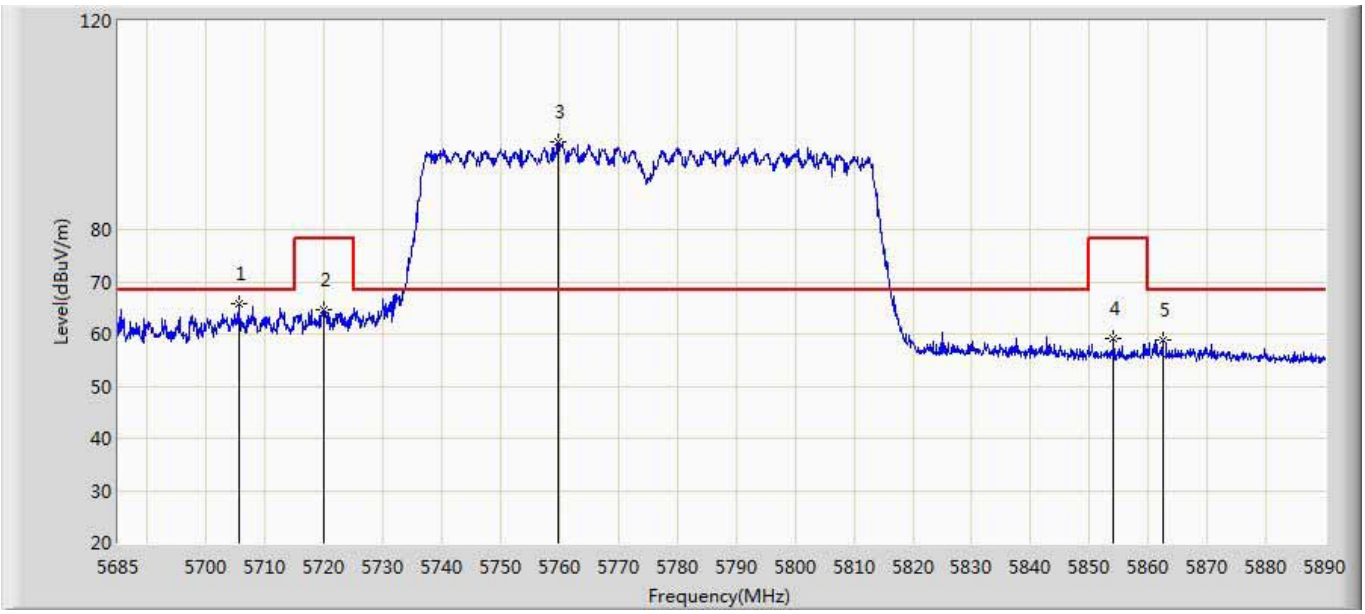
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5124.750	46.382	3.835	-7.618	54.000	42.548	AV
2		5150.000	45.899	3.494	-8.101	54.000	42.405	AV
3	*	5227.500	86.081	43.608	N/A	N/A	42.473	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/07 - 11:04
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 6:Transmit at CH5775Mhz by 802.11ac80 with Ant2	



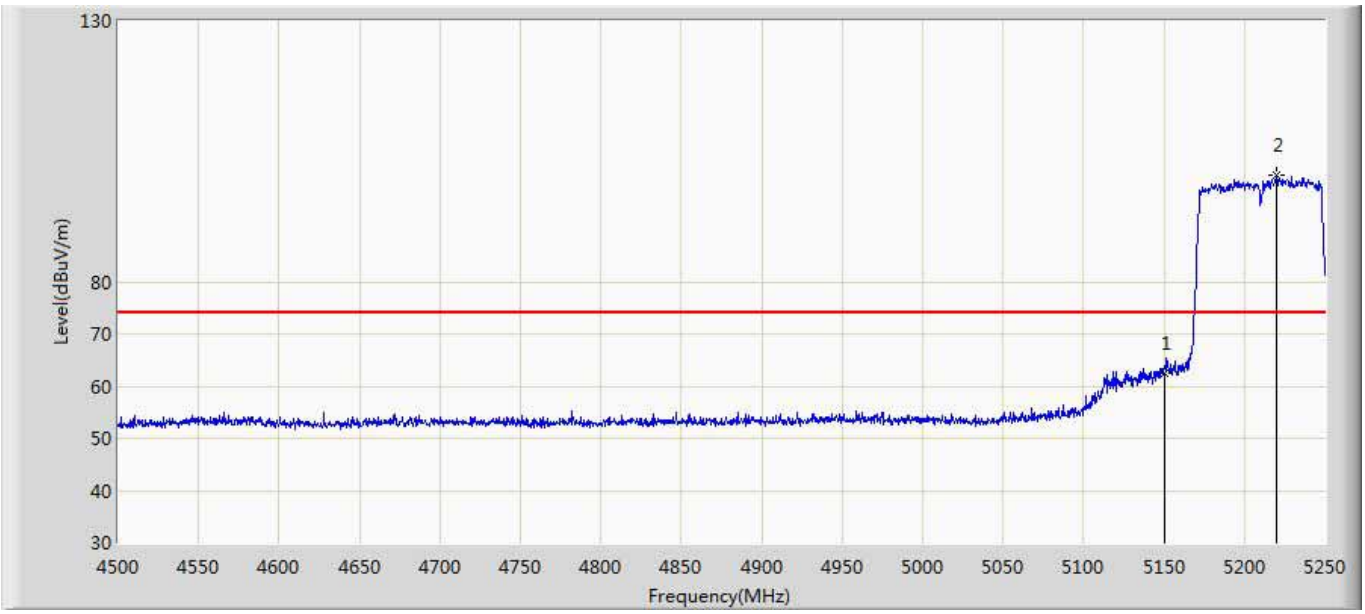
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5708.268	67.370	24.052	-0.930	68.300	43.318	PK
2		5719.235	67.105	23.819	-11.195	78.300	43.286	PK
3	*	5767.205	100.231	56.947	N/A	N/A	43.284	PK
4		5852.485	61.157	17.669	-17.143	78.300	43.489	PK
5		5862.018	62.404	18.843	-5.896	68.300	43.561	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/07 - 11:08
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 6:Transmit at CH5775Mhz by 802.11ac80 with Ant2	



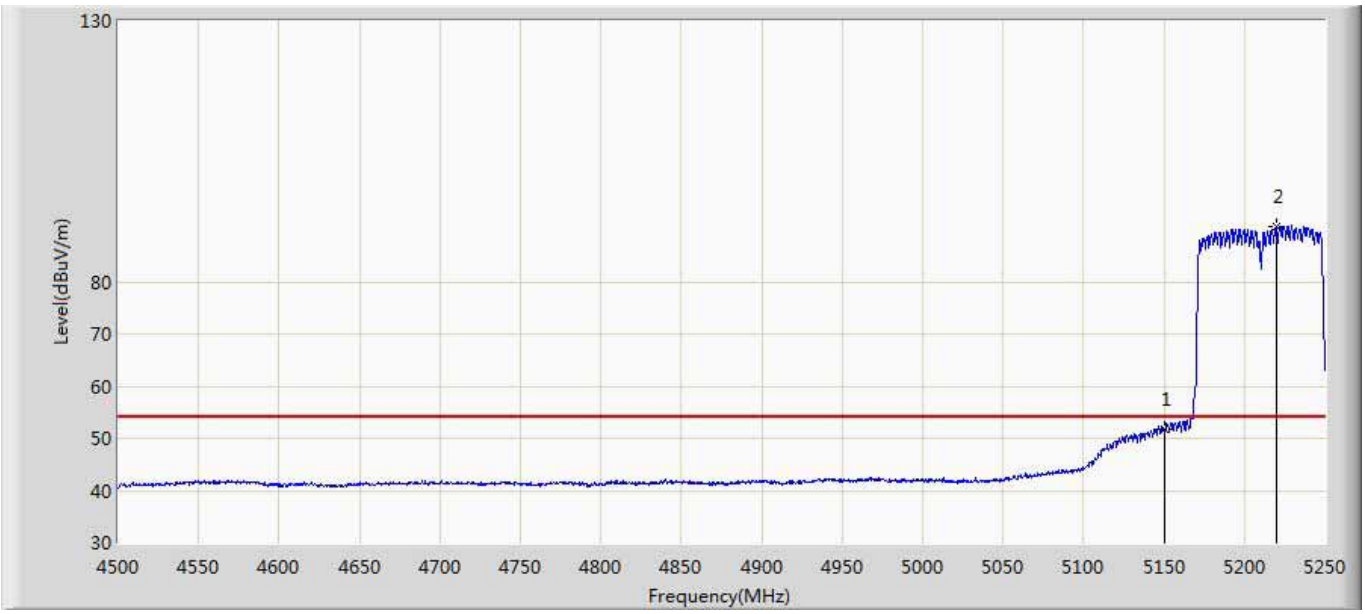
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5705.500	65.806	22.497	-2.494	68.300	43.309	PK
2		5719.953	64.525	21.242	-13.775	78.300	43.283	PK
3	*	5759.825	96.917	53.674	N/A	N/A	43.243	PK
4		5854.125	58.995	15.494	-19.305	78.300	43.501	PK
5		5862.428	58.959	15.396	-9.341	68.300	43.563	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 15:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 6:Transmit at CH5210Mhz by 802.11ac80 with Ant1+2	



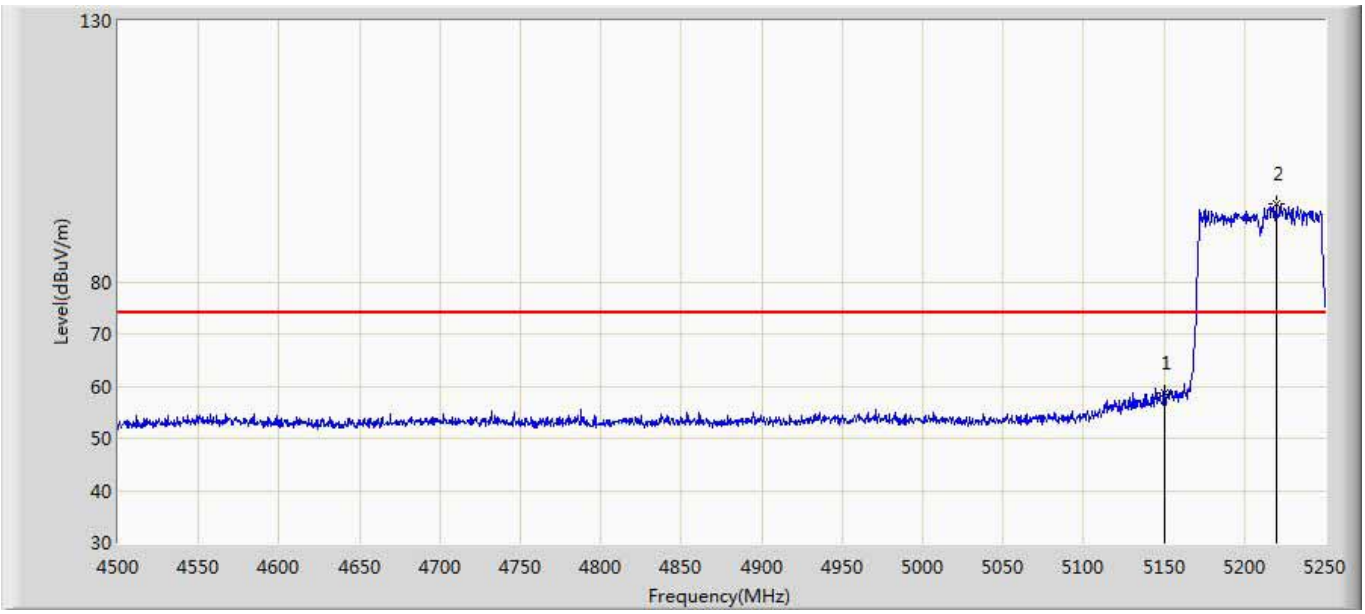
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	62.553	20.148	-11.447	74.000	42.405	PK
2	*	5219.625	100.298	57.866	N/A	N/A	42.432	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 15:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 6:Transmit at CH5210Mhz by 802.11ac80 with Ant1+2	



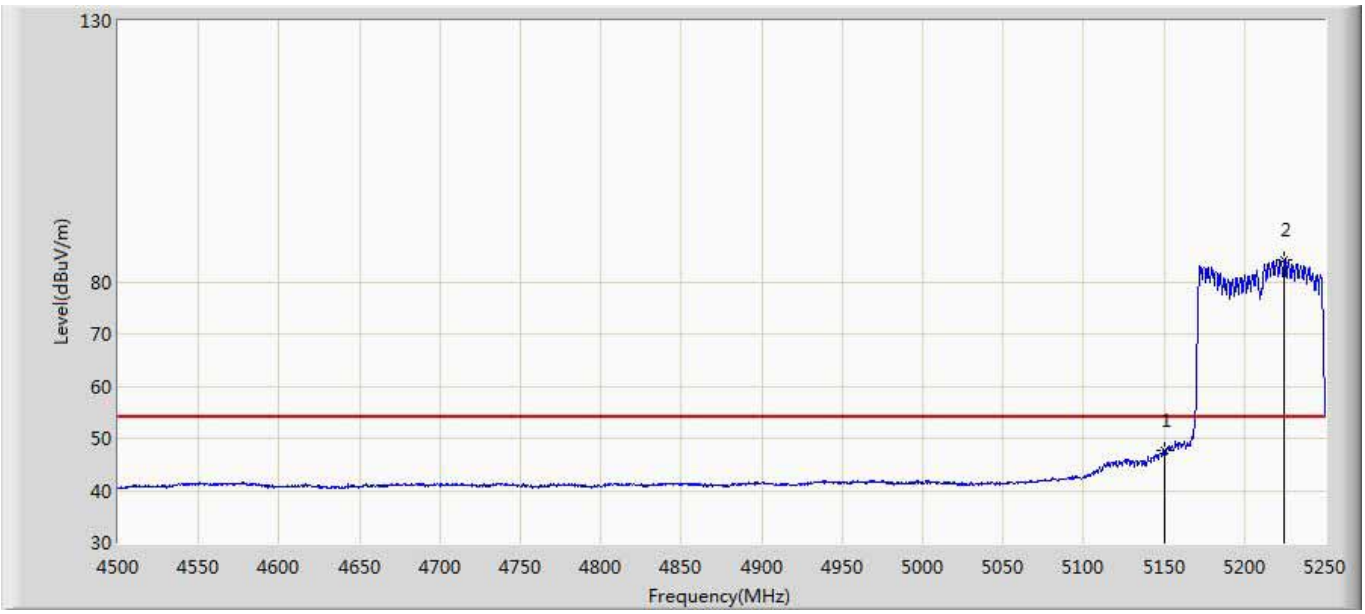
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	51.784	9.379	-2.216	54.000	42.405	AV
2	*	5219.625	90.476	48.044	N/A	N/A	42.432	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 15:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 6:Transmit at CH5210Mhz by 802.11ac80 with Ant1+2	



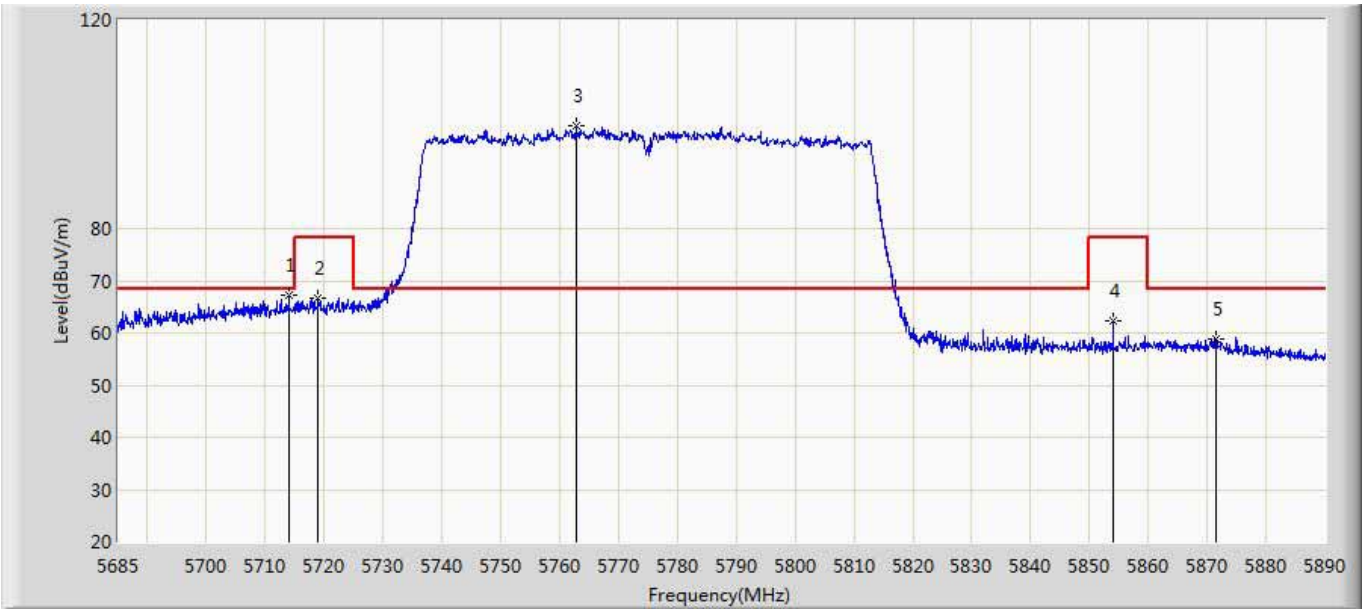
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	58.752	16.347	-15.248	74.000	42.405	PK
2	*	5220.000	94.871	52.437	N/A	N/A	42.433	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/03 - 15:58
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 6:Transmit at CH5210Mhz by 802.11ac80 with Ant1+2	



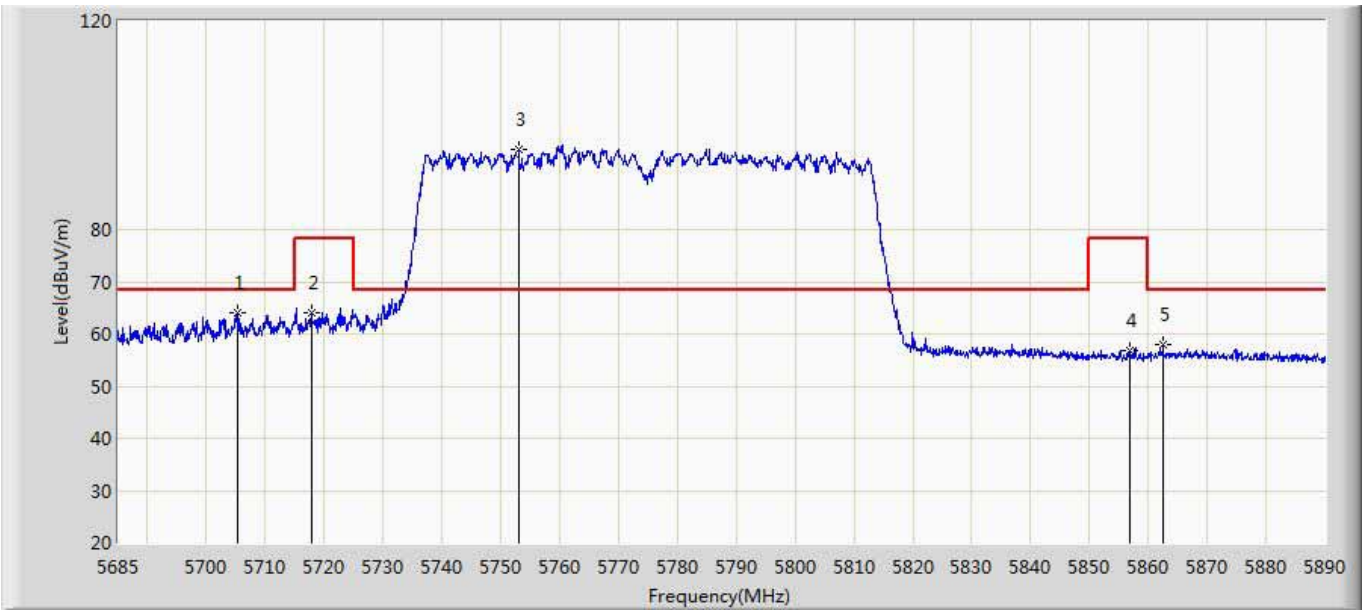
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5150.000	47.663	5.258	-6.337	54.000	42.405	AV
2	*	5224.875	84.217	41.757	N/A	N/A	42.459	AV

Engineer: Scott	
Site: AC5	Time: 2015/09/07 - 11:10
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 6:Transmit at CH5775Mhz by 802.11ac80 with Ant1+2	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5714.007	67.116	23.813	-1.184	68.300	43.304	PK
2		5719.030	66.586	23.300	-11.714	78.300	43.287	PK
3	*	5762.797	99.717	56.458	N/A	N/A	43.259	PK
4		5854.022	62.181	18.681	-16.119	78.300	43.500	PK
5		5871.447	58.775	15.184	-9.525	68.300	43.590	PK

Engineer: Scott	
Site: AC5	Time: 2015/09/07 - 11:13
Limit: FCC-15.407 new	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: IP-STB	Power: AC 120V/60Hz
Note: Mode 6:Transmit at CH5775Mhz by 802.11ac80 with Ant1+2	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		5705.295	63.978	20.669	-4.322	68.300	43.309	PK
2		5717.800	64.044	20.754	-14.256	78.300	43.291	PK
3	*	5753.060	95.400	52.133	N/A	N/A	43.267	PK
4		5856.790	56.914	13.393	-21.386	78.300	43.522	PK
5		5862.530	57.974	14.411	-10.326	68.300	43.563	PK

10. Frequency Stability

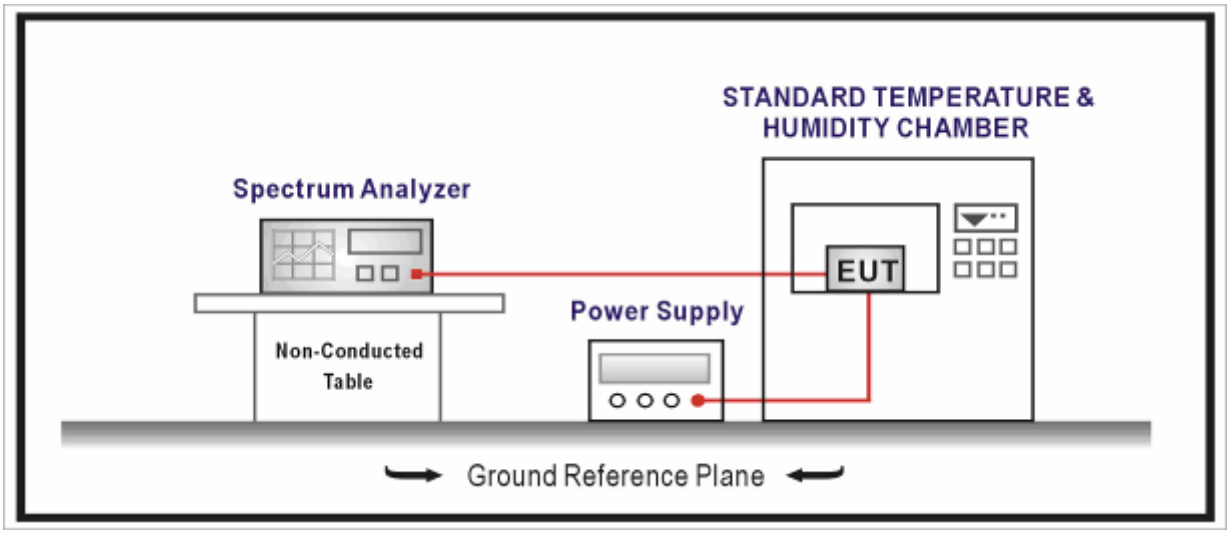
10.1. Test Equipment

Frequency Stability / TR-8

Instrument	Manufacturer	Type No.	Serial No.	Cal. Due Date
Spectrum Analyzer	Agilent	E4446A	MY45300103	2016.03.10
AC Power Supply	IDRC	CF-500TP	979422	2015.09.22
DC Power Supply	IDRC	CD-035-020PR	977272	2015.09.22
Programmable Temperature & Humidity Chamber	Gaoyu	TH-1P-B	WIT-05121302	2016.01.13
Temperature/Humidity Meter	zhicheng	ZC1-2	TR8-TH	2016.05.07

Note: All equipments are calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

10.2. Test Setup



10.3. Limit

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

10.4. Test Procedure

Frequency Stability Under Temperature Variations:

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20℃ operating frequency as reference frequency. Turn EUT off and set the chamber temperature to highest. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10℃ decreased per stage until the lowest temperature reached.

Frequency Stability Under Voltage Variations:

Set chamber temperature to 20℃. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.
Reduce the input voltage to specify extreme voltage variation (±15%) and endpoint, record the maximum frequency change.

10.5. Uncertainty

The measurement uncertainty is defined as ± 100 Hz

10.6. Test Result

Product	:	IP-STB
Test Item	:	Frequency Stability
Test Site	:	TR-8
Test Mode	:	Carrier Transmit

Frequency Stability under Temperature

Temperature Interval (℃)	Test Frequency (MHz)	Deviation (Hz)
-30	5200.000	157
-20	5200.000	147
-10	5200.000	-148
0	5200.000	-117
10	5200.000	-146
20	5200.000	-175
30	5200.000	133
40	5200.000	162
50	5200.000	-151

Frequency Stability under Voltage

DC Voltage (V)	Test Frequency (MHz)	Deviation (Hz)
102	5200.000	149
120	5200.000	131
138	5200.000	155

Product	:	IP-STB
Test Item	:	Frequency Stability
Test Site	:	TR-8
Test Mode	:	Carrier Transmit

Frequency Stability under Temperature

Temperature Interval (℃)	Test Frequency (MHz)	Deviation (Hz)
-30	5785.000	-144
-20	5785.000	-132
-10	5785.000	-120
0	5785.000	-111
10	5785.000	114
20	5785.000	-135
30	5785.000	-172
40	5785.000	156
50	5785.000	-137

Frequency Stability under Voltage

DC Voltage (V)	Test Frequency (MHz)	Deviation (Hz)
102	5785.000	312
120	5785.000	221
138	5785.000	102