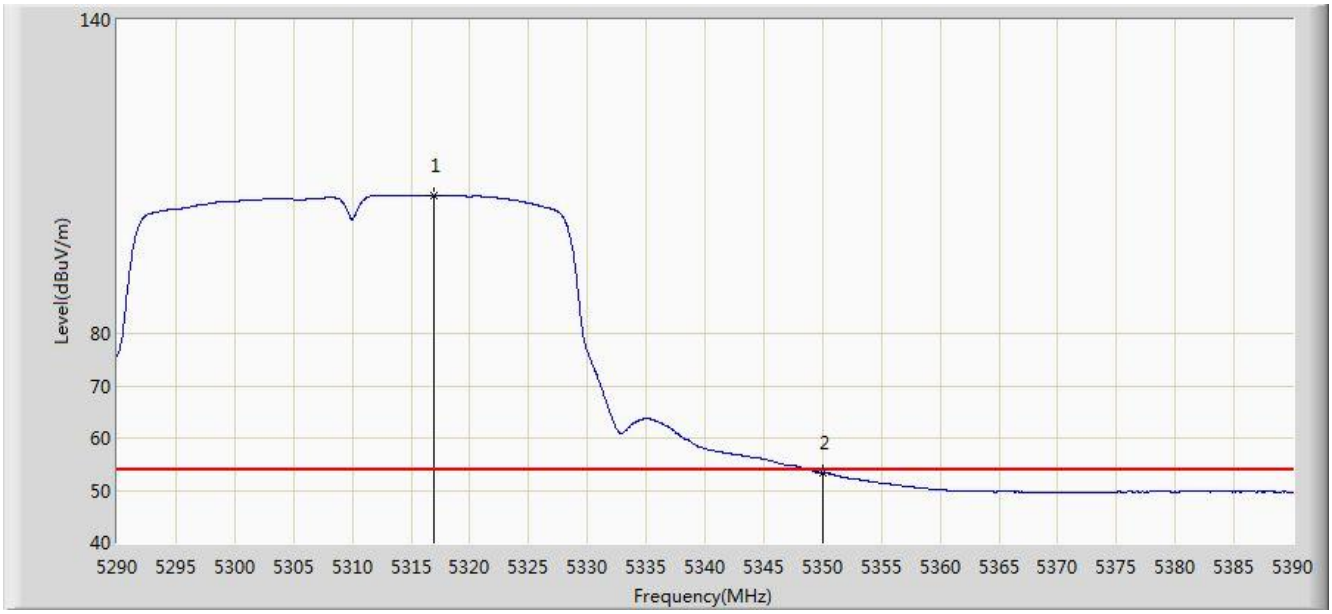
Site: AC1	Time: 2016/02/06 - 19:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz Ant 0+1	

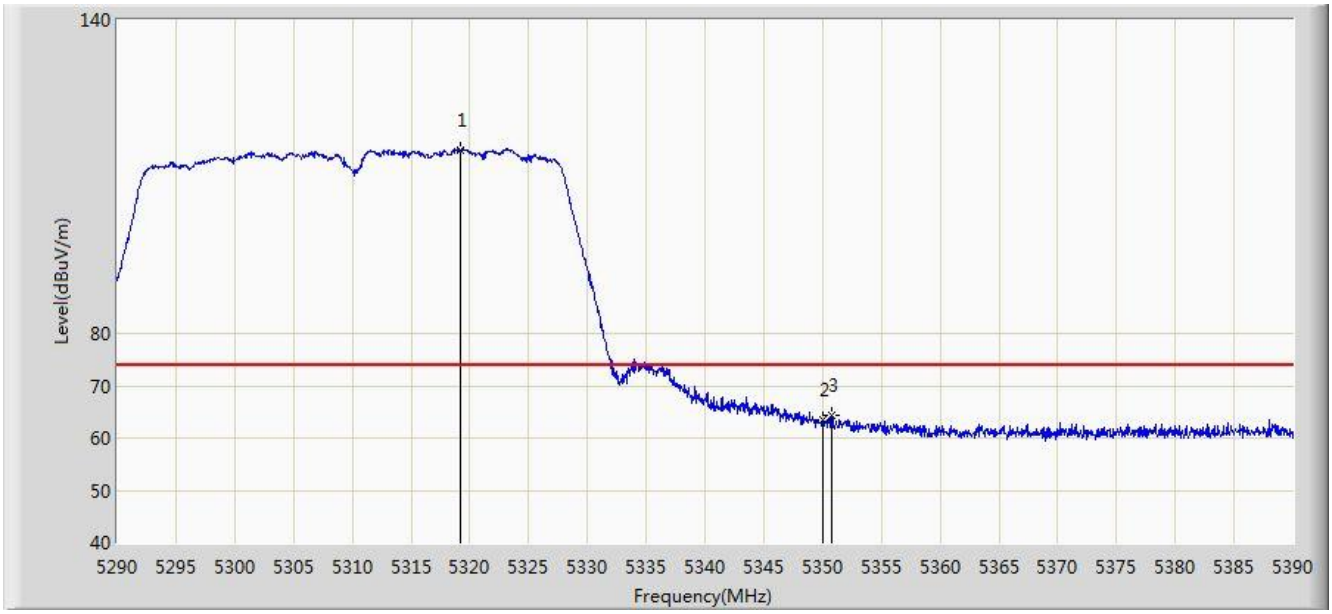


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5317.000	106.349	103.705	N/A	N/A	2.643	AV
2			5350.000	53.382	50.685	-0.618	54.000	2.697	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 19:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz Ant 0+1	

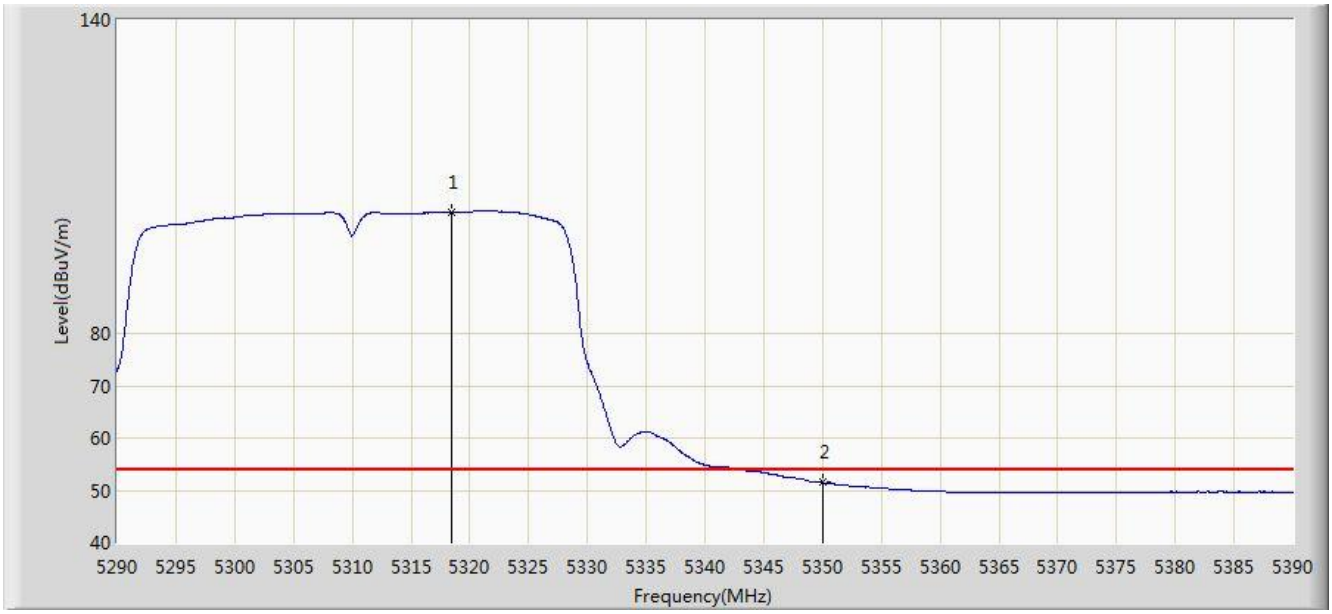


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5319.200	115.124	112.466	N/A	N/A	2.658	PK
2			5350.000	63.387	60.690	-10.613	74.000	2.697	PK
3			5350.800	64.450	61.750	-9.550	74.000	2.700	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 19:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5310MHz Ant 0+1	

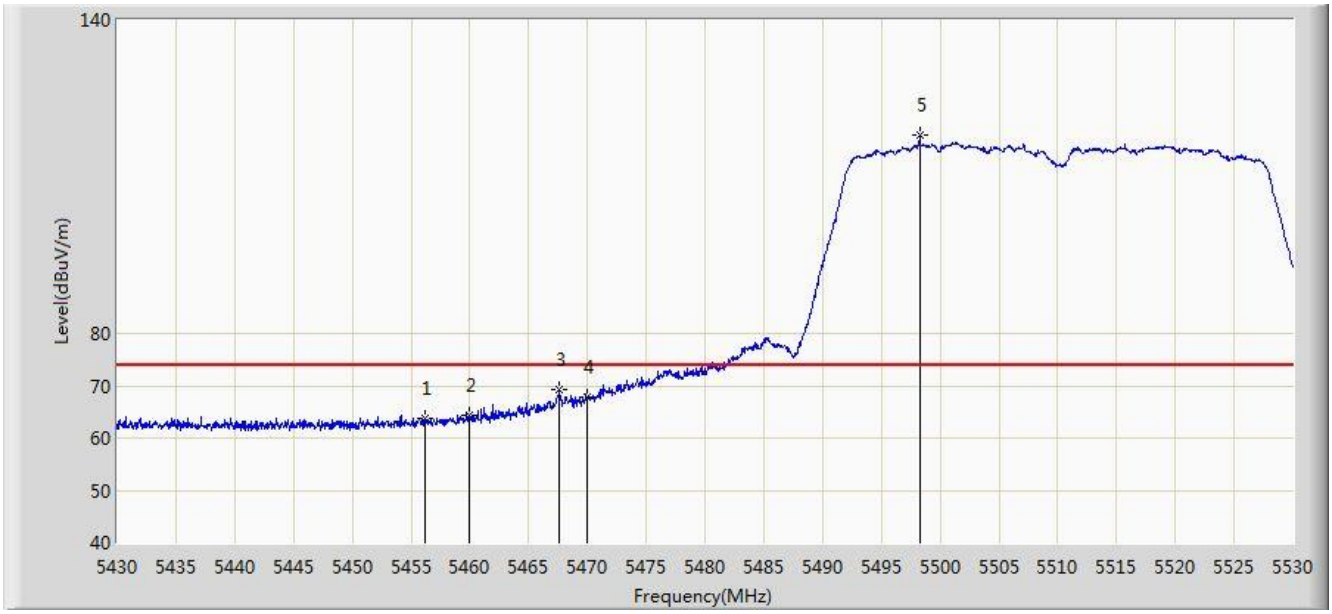


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5318.450	103.213	100.558	N/A	N/A	2.655	AV
2			5350.000	51.462	48.765	-2.538	54.000	2.697	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 19:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz Ant 0+1	

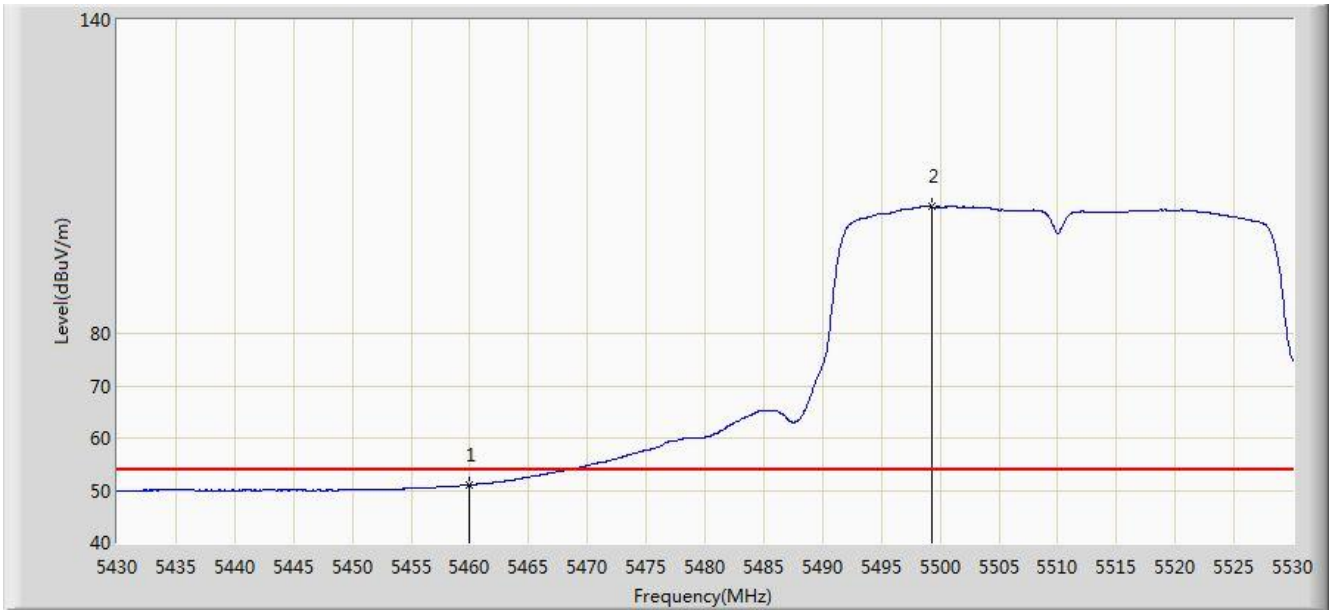


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5456.250	63.889	60.822	-10.111	74.000	3.067	PK
2			5460.000	64.206	61.013	-9.794	74.000	3.194	PK
3			5467.650	69.133	65.683	-4.867	74.000	3.451	PK
4			5470.000	67.721	64.192	-6.279	74.000	3.529	PK
5		*	5498.250	117.964	114.834	N/A	N/A	3.130	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 19:29
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz Ant 0+1	

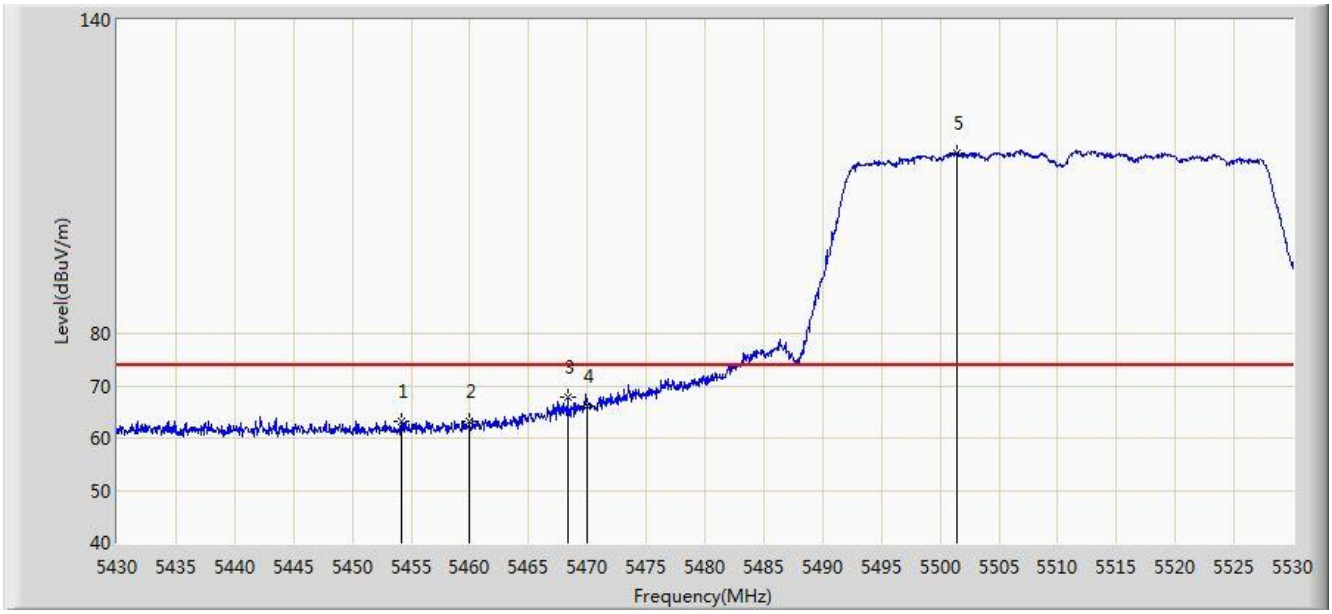


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	51.029	47.836	-2.971	54.000	3.194	AV
2		*	5499.300	104.230	101.110	N/A	N/A	3.121	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 19:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz Ant 0+1	

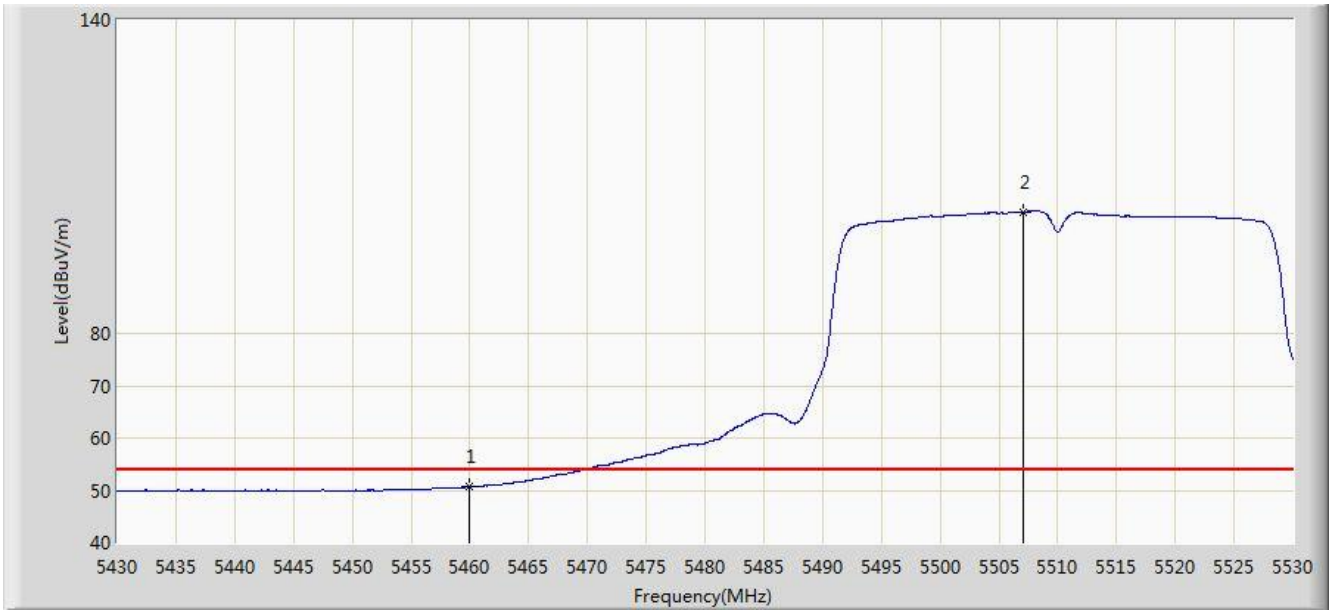


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5454.200	63.147	60.149	-10.853	74.000	2.997	PK
2			5460.000	63.248	60.055	-10.752	74.000	3.194	PK
3			5468.300	67.846	64.374	-6.154	74.000	3.472	PK
4			5470.000	66.190	62.661	-7.810	74.000	3.529	PK
5		*	5501.400	114.468	111.368	N/A	N/A	3.100	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 19:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5510MHz Ant 0+1	

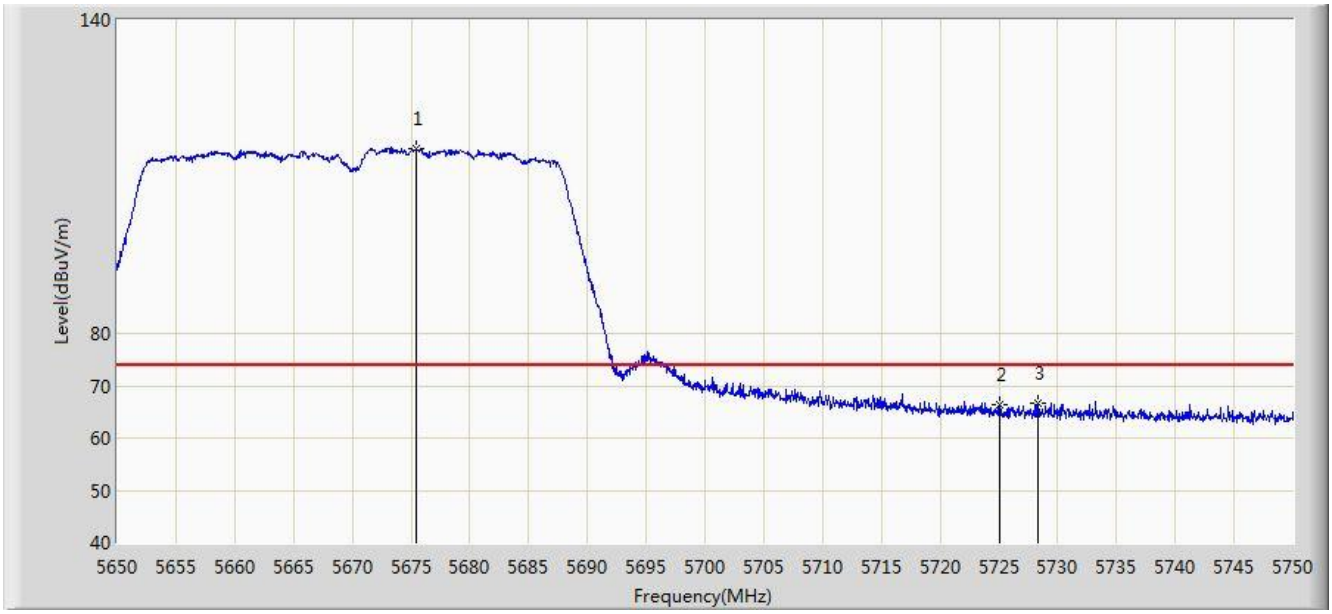


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.650	47.457	-3.350	54.000	3.194	AV
2		*	5507.100	103.254	100.137	N/A	N/A	3.118	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 19:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz Ant 0+1	

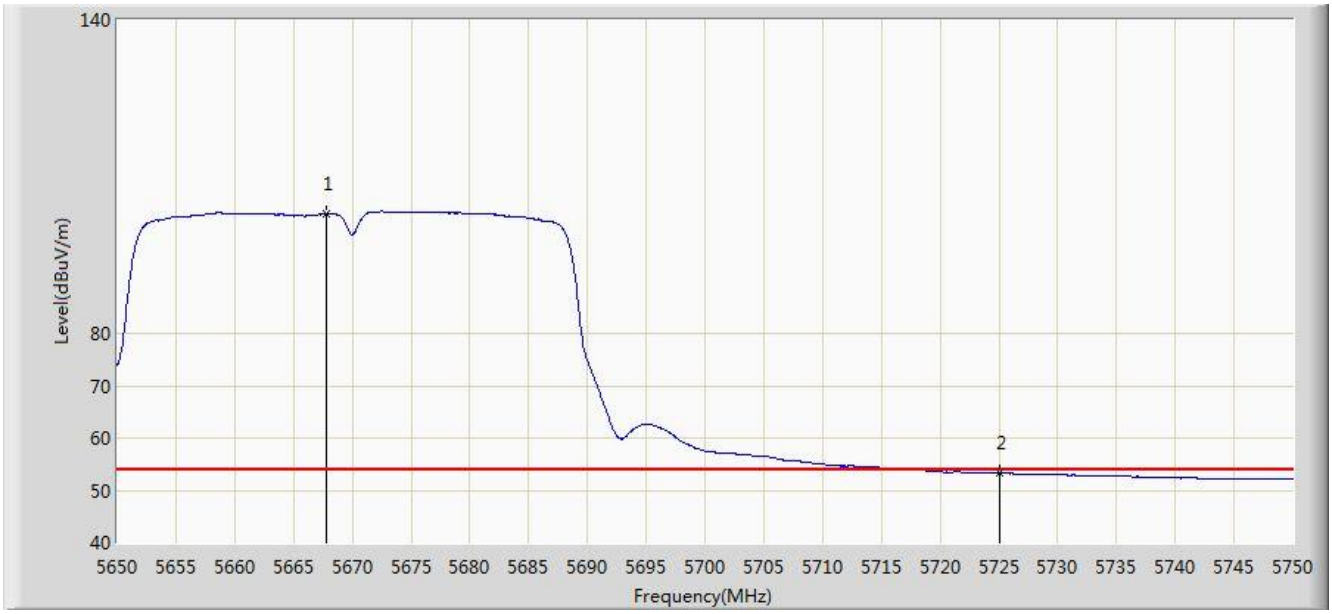


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5675.400	115.374	111.493	N/A	N/A	3.880	PK
2			5725.000	66.307	62.201	-7.693	74.000	4.105	PK
3			5728.350	66.608	62.418	-7.392	74.000	4.190	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 19:36
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz Ant 0+1	

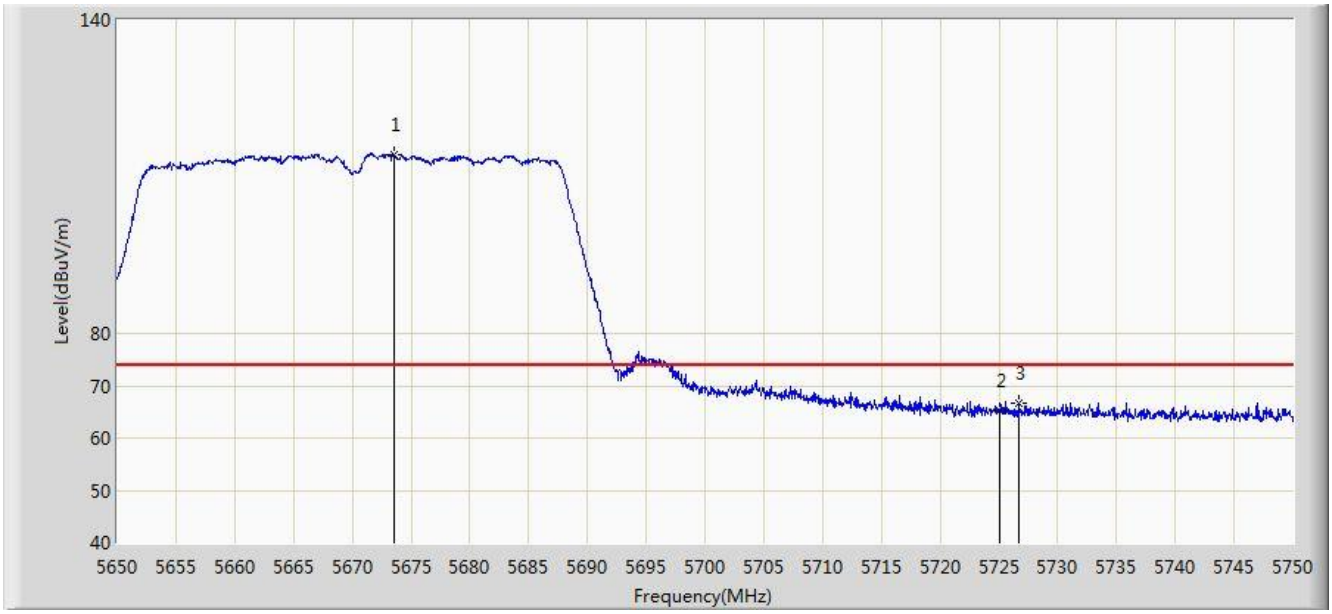


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5667.750	102.891	99.213	N/A	N/A	3.678	AV
2			5725.000	53.243	49.137	-0.757	54.000	4.105	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 19:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz Ant 0+1	

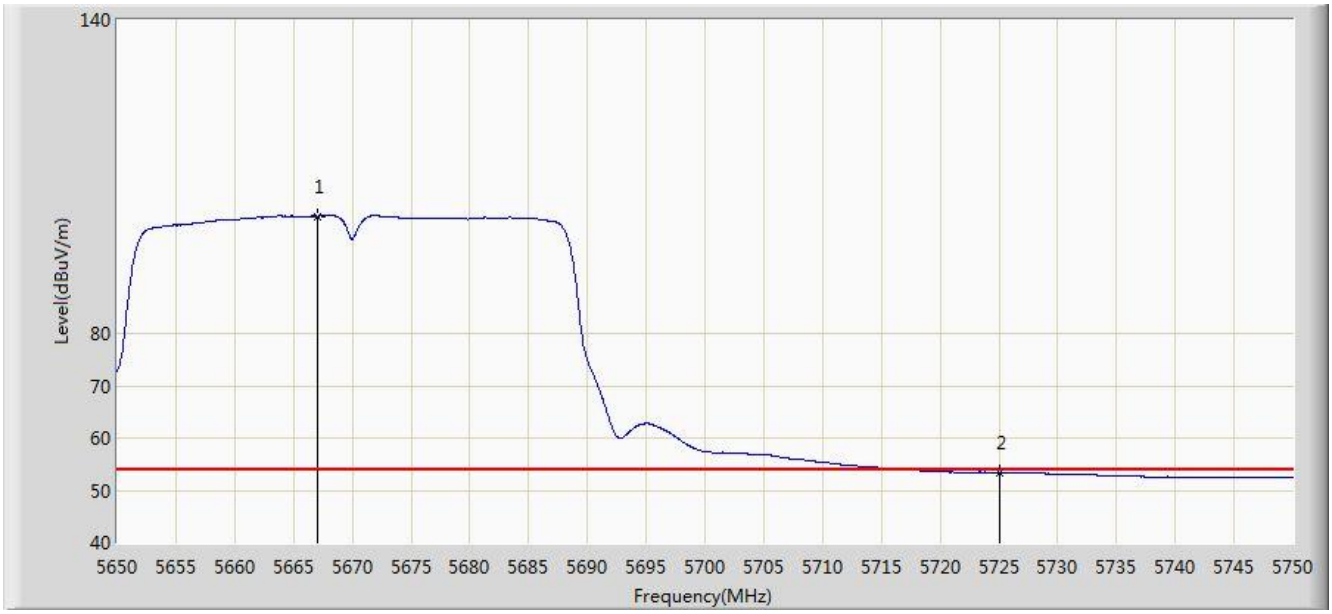


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5673.550	114.132	110.301	N/A	N/A	3.832	PK
2			5725.000	65.092	60.986	-8.908	74.000	4.105	PK
3			5726.650	66.588	62.441	-7.412	74.000	4.146	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 19:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5670MHz Ant 0+1	

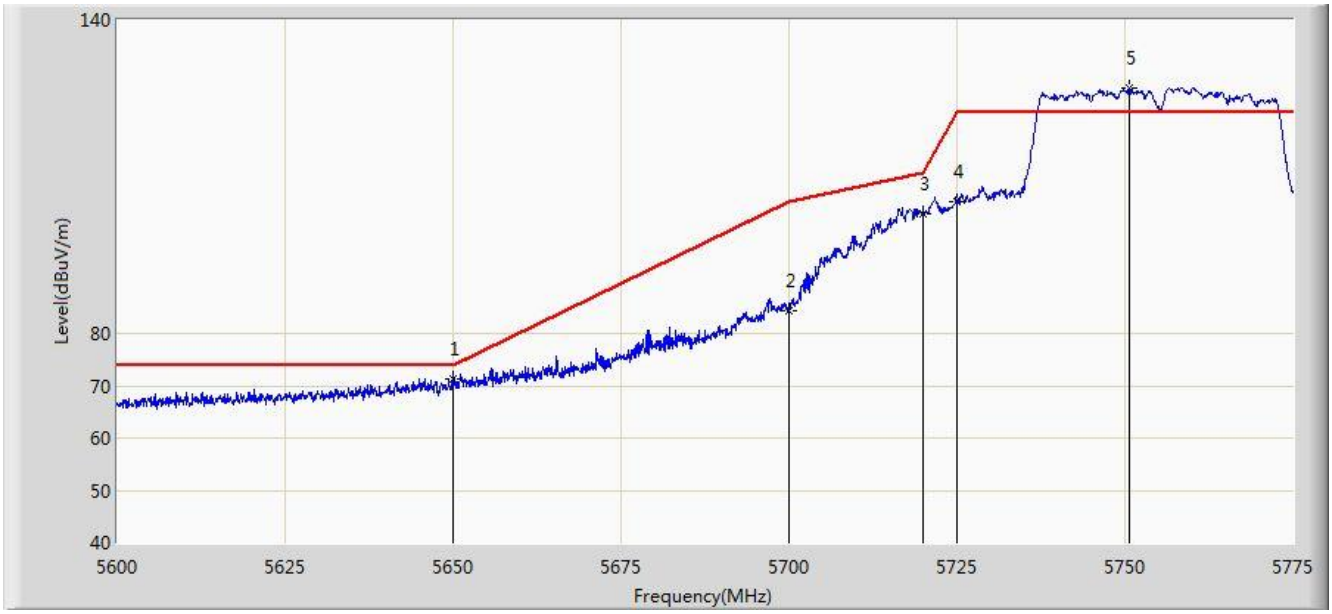


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5667.050	102.390	98.730	N/A	N/A	3.659	AV
2			5725.000	53.412	49.306	-0.588	54.000	4.105	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 19:40
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 0+1	

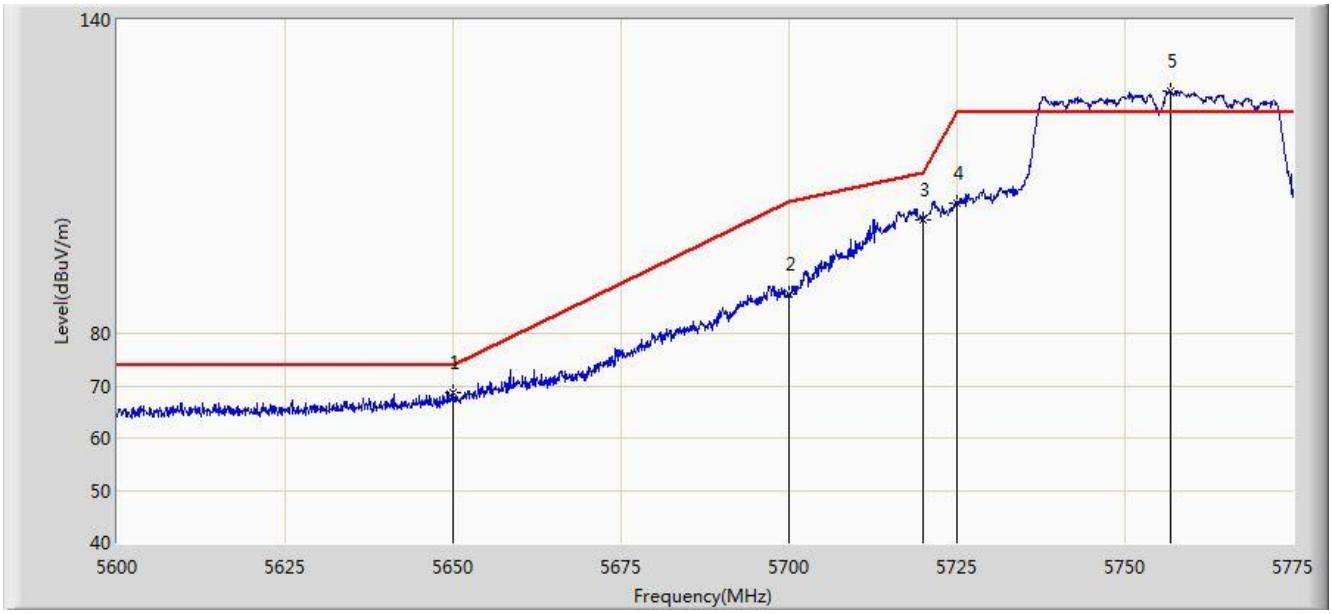


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	71.223	67.420	-2.777	74.000	3.803	PK
2			5700.000	84.476	80.536	-20.724	105.200	3.940	PK
3			5720.000	103.036	99.054	-7.764	110.800	3.982	PK
4			5725.000	105.256	101.150	-16.944	122.200	4.105	PK
5		*	5750.587	126.860	122.584	N/A	N/A	4.276	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 19:41
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5755MHz Ant 0+1	

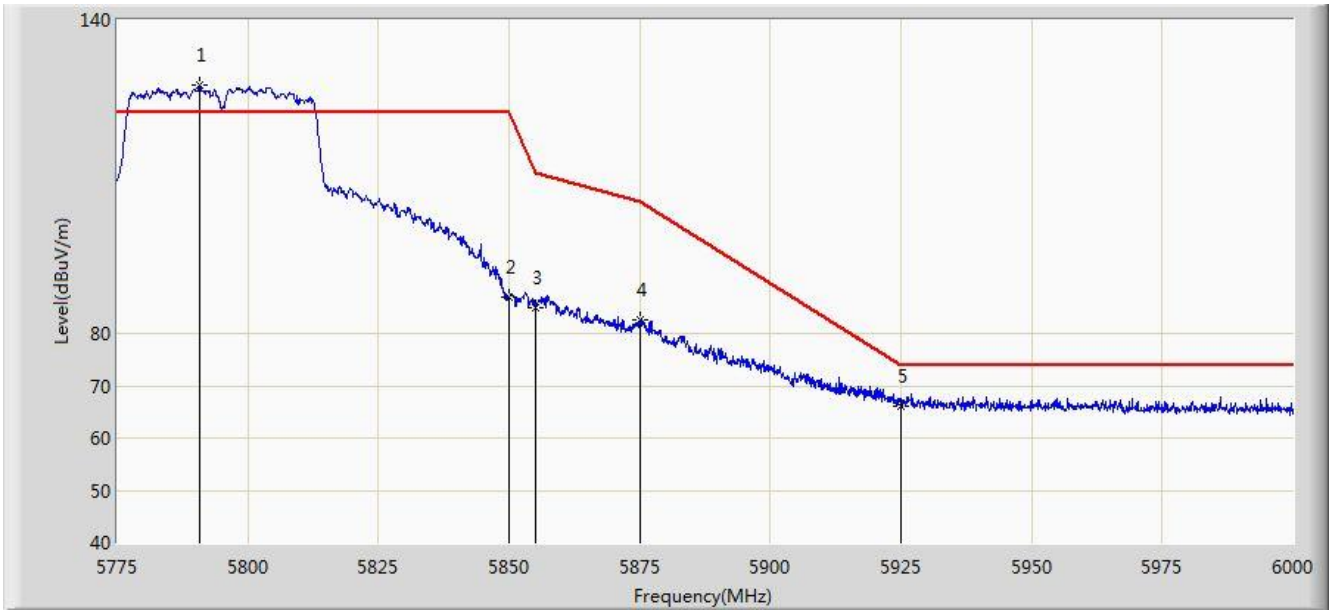


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	68.595	64.792	-5.405	74.000	3.803	PK
2			5700.000	87.615	83.675	-17.585	105.200	3.940	PK
3			5720.000	101.603	97.621	-9.197	110.800	3.982	PK
4			5725.000	105.029	100.923	-17.171	122.200	4.105	PK
5		*	5756.712	126.253	121.870	N/A	N/A	4.383	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 19:42
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 0+1	

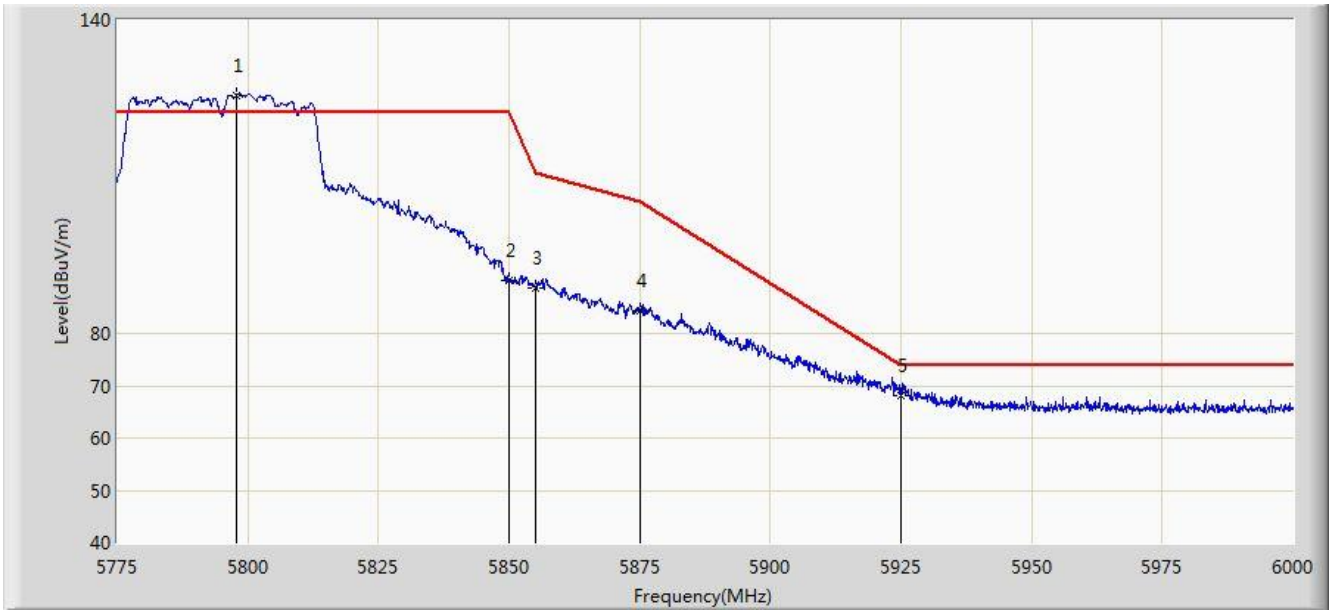


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5790.750	127.475	122.923	N/A	N/A	4.552	PK
2			5850.000	86.982	81.987	-35.218	122.200	4.995	PK
3			5855.000	85.060	80.072	-25.740	110.800	4.987	PK
4			5875.000	82.582	77.575	-22.618	105.200	5.008	PK
5			5925.000	66.189	61.037	-7.811	74.000	5.152	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 19:44
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT40 at Channel 5795MHz Ant 0+1	

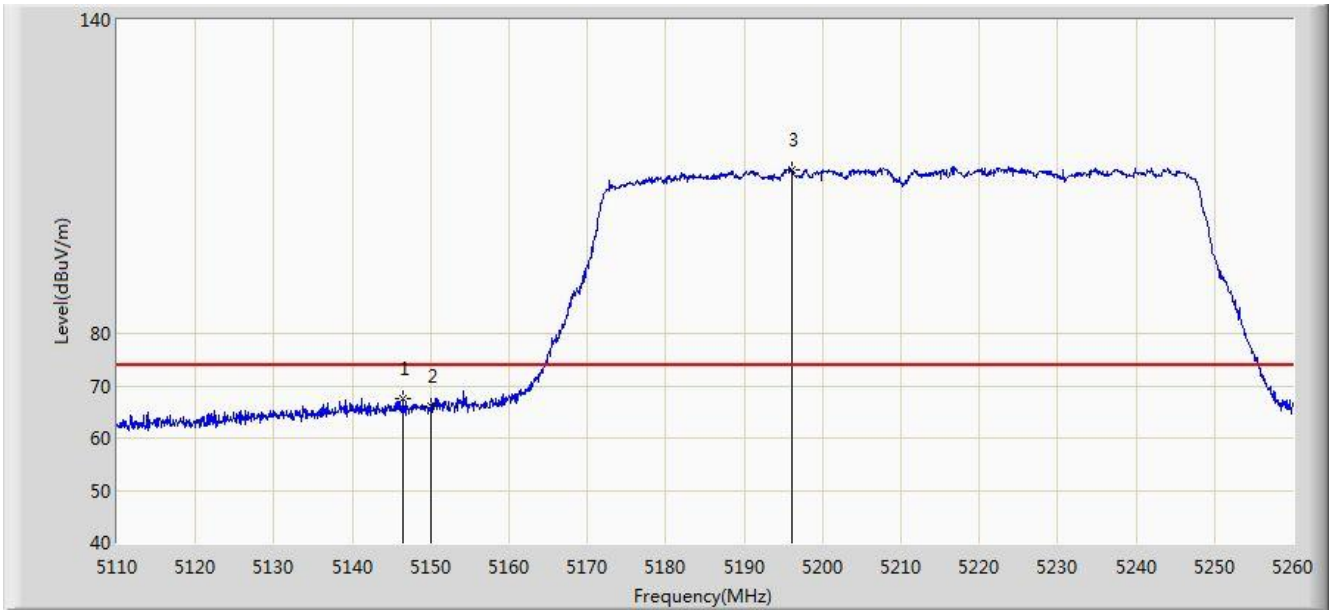


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5797.725	125.559	120.931	N/A	N/A	4.629	PK
2			5850.000	90.284	85.289	-31.916	122.200	4.995	PK
3			5855.000	88.793	83.805	-22.007	110.800	4.987	PK
4			5875.000	84.304	79.297	-20.896	105.200	5.008	PK
5			5925.000	68.117	62.965	-5.883	74.000	5.152	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 19:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0+1	

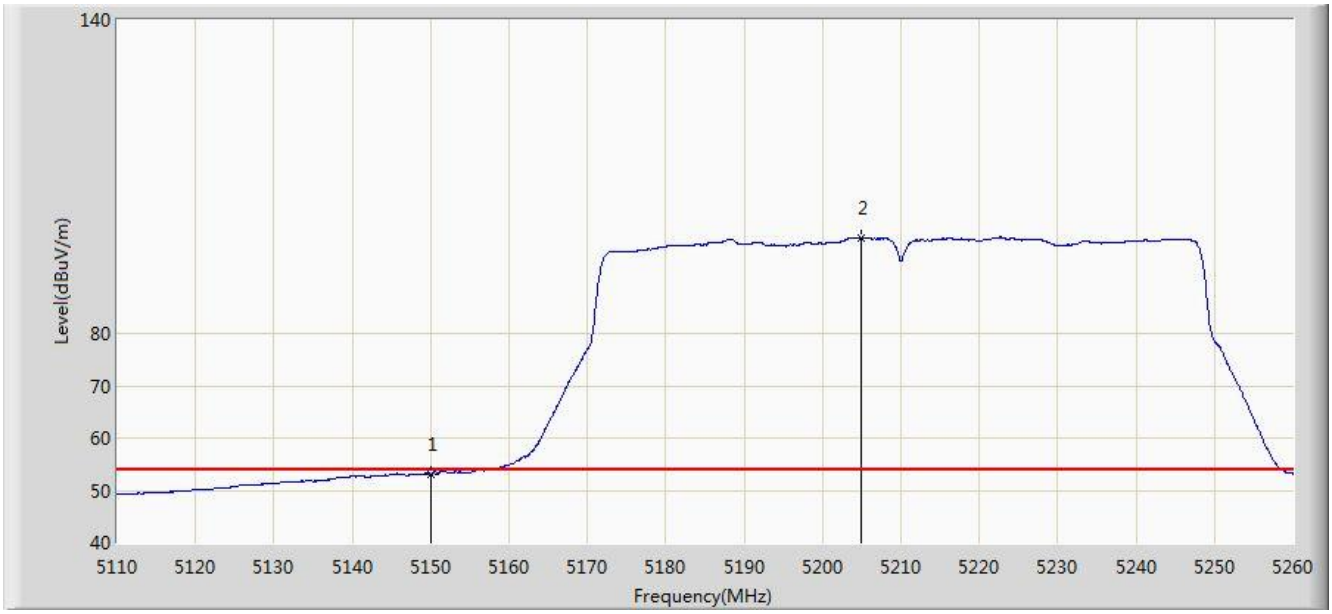


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.450	67.495	64.417	-6.505	74.000	3.078	PK
2			5150.000	66.105	63.035	-7.895	74.000	3.069	PK
3		*	5196.100	111.320	108.460	N/A	N/A	2.860	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 19:50
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0+1	

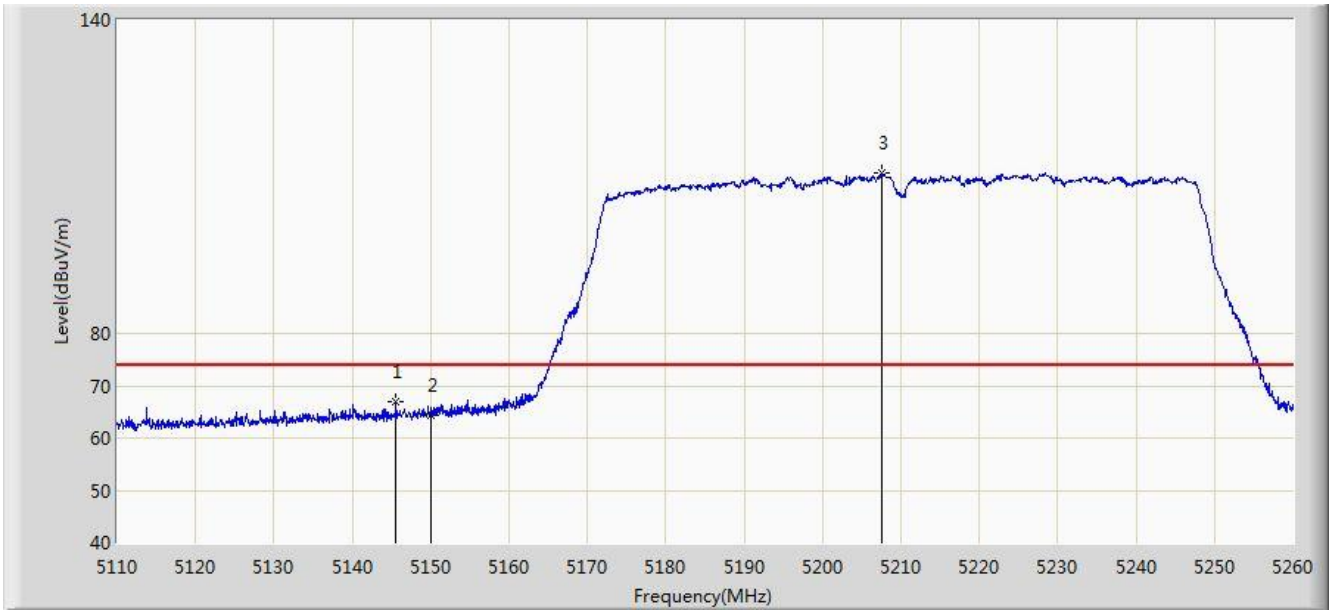


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.139	50.069	-0.861	54.000	3.069	AV
2		*	5204.875	98.242	95.443	N/A	N/A	2.800	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 19:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0+1	

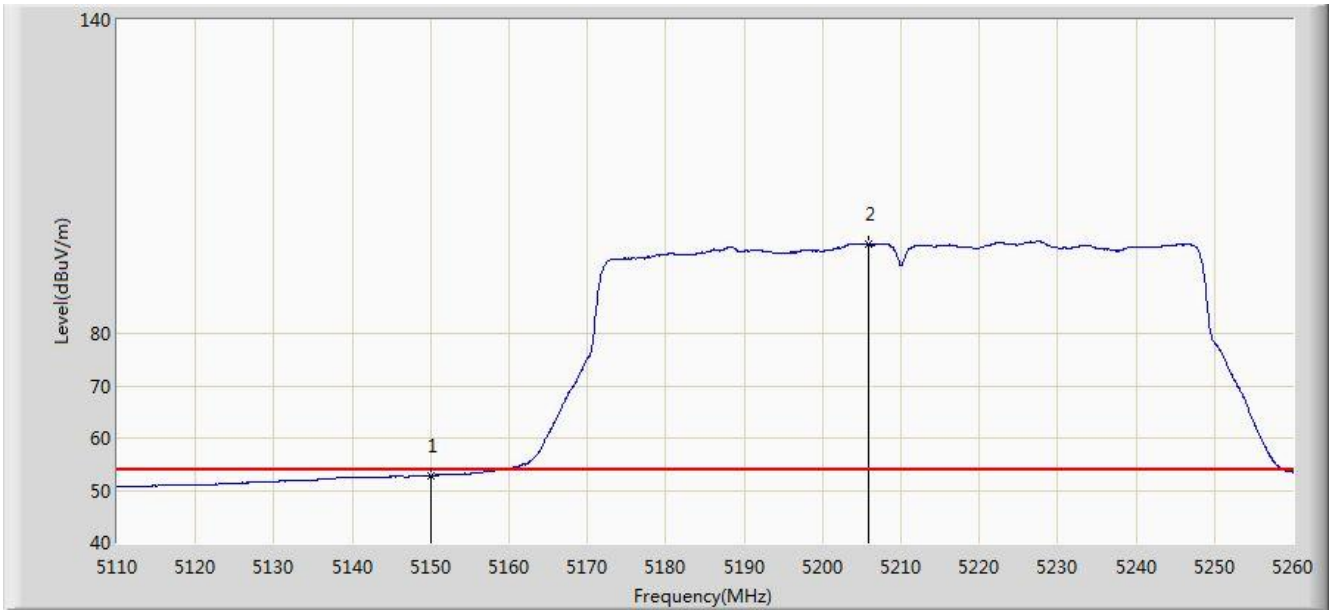


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5145.550	66.988	63.908	-7.012	74.000	3.081	PK
2			5150.000	64.324	61.254	-9.676	74.000	3.069	PK
3		*	5207.500	110.662	107.871	N/A	N/A	2.791	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 19:52
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5210MHz Ant 0+1	

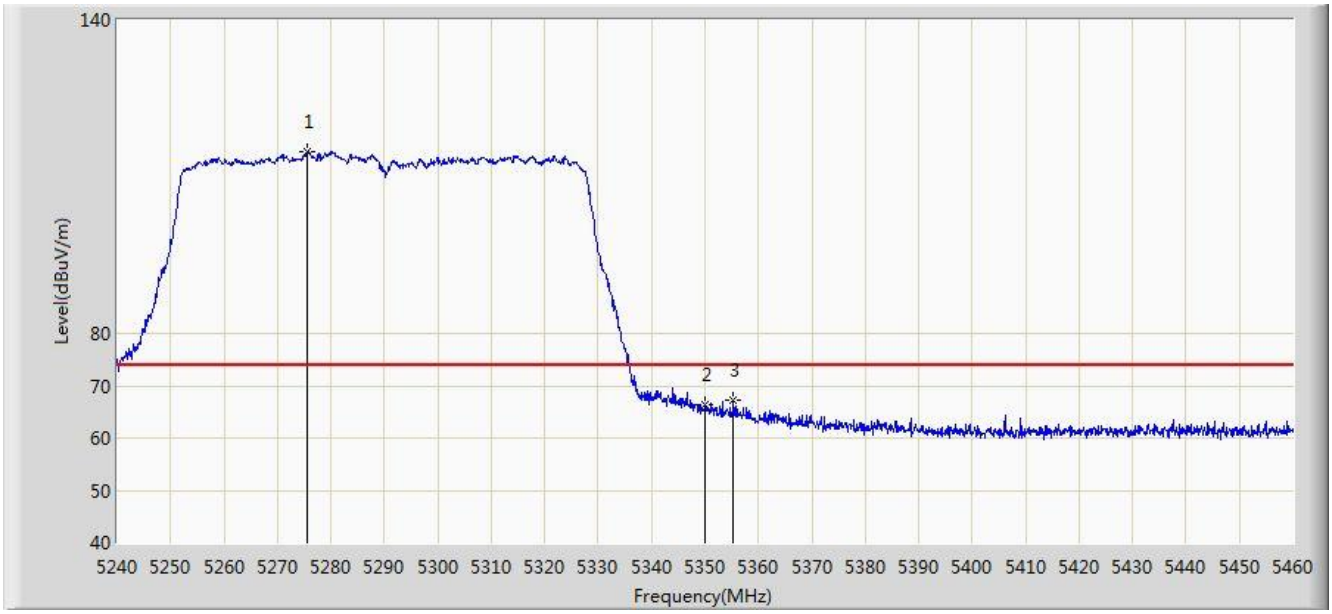


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.842	49.772	-1.158	54.000	3.069	AV
2		*	5205.775	97.030	94.233	N/A	N/A	2.797	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 19:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz Ant 0+1	

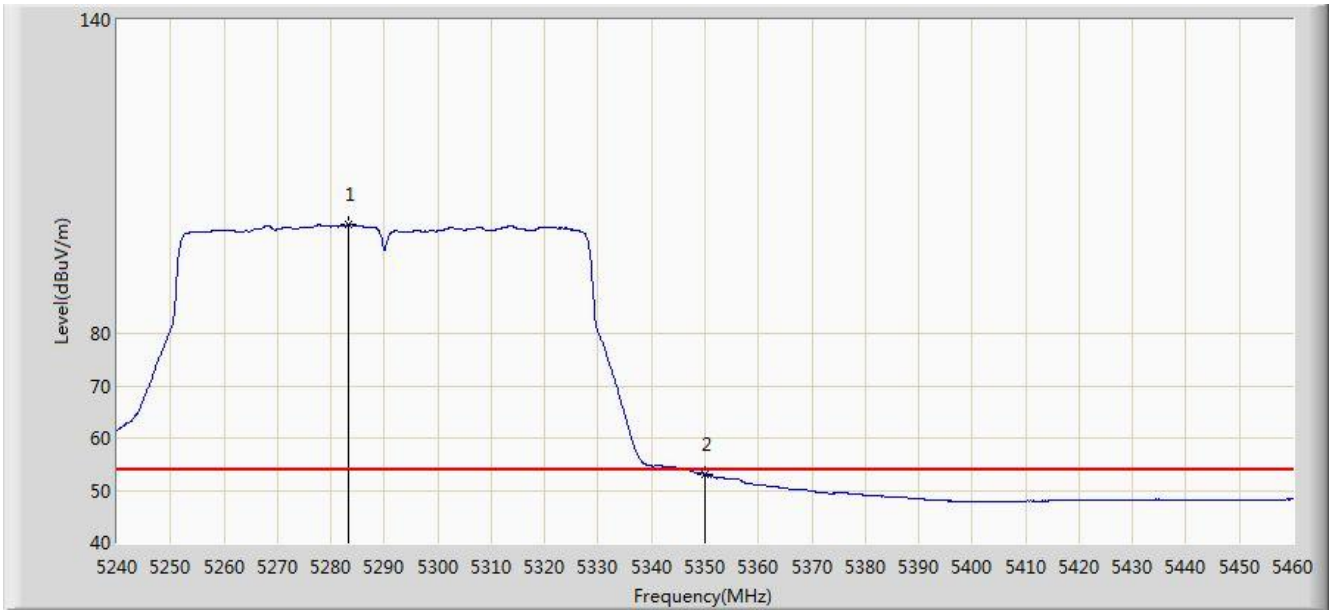


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5275.640	114.745	112.064	N/A	N/A	2.681	PK
2			5350.000	66.397	63.700	-7.603	74.000	2.697	PK
3			5355.280	67.319	64.607	-6.681	74.000	2.712	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 19:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz Ant 0+1	

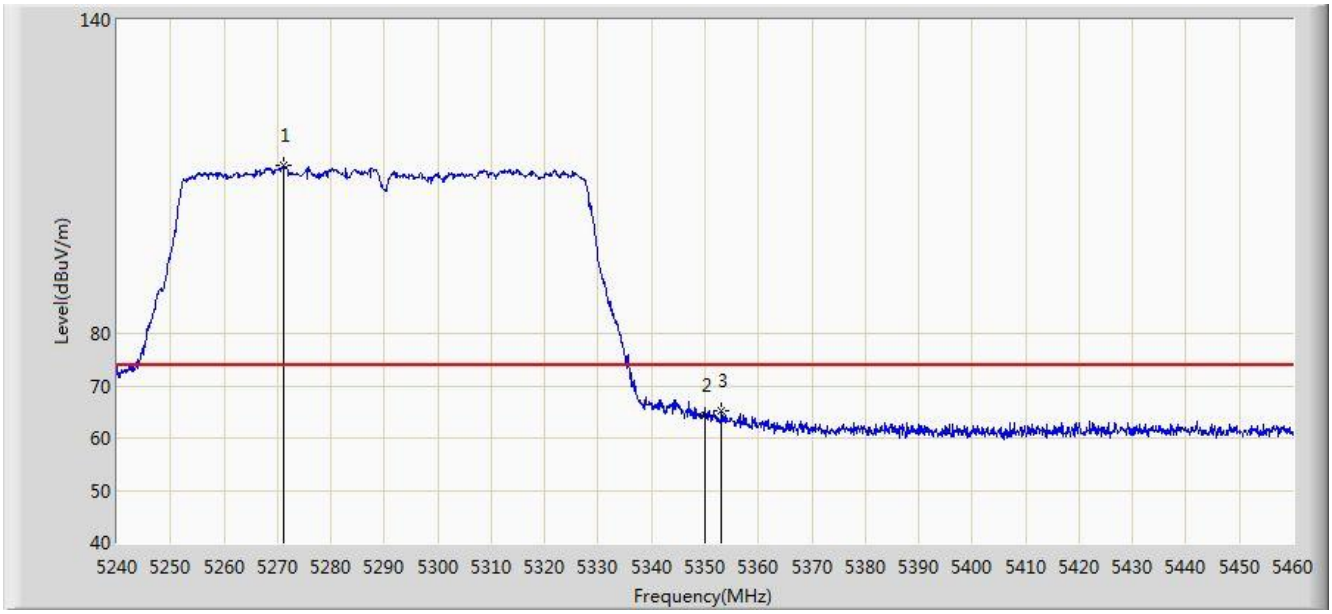


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5283.340	100.853	98.162	N/A	N/A	2.692	AV
2			5350.000	53.093	50.396	-0.907	54.000	2.697	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 19:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz Ant 0+1	

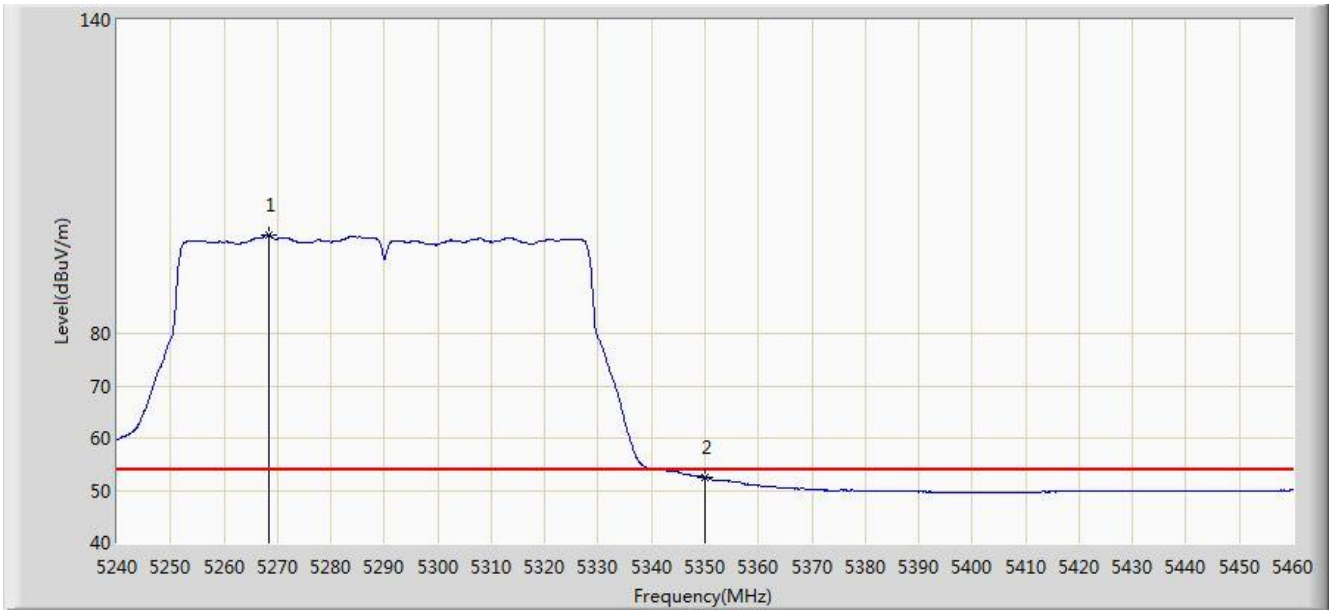


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5271.240	112.029	109.351	N/A	N/A	2.678	PK
2			5350.000	64.300	61.603	-9.700	74.000	2.697	PK
3			5353.080	65.080	62.373	-8.920	74.000	2.707	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 19:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5290MHz Ant 0+1	

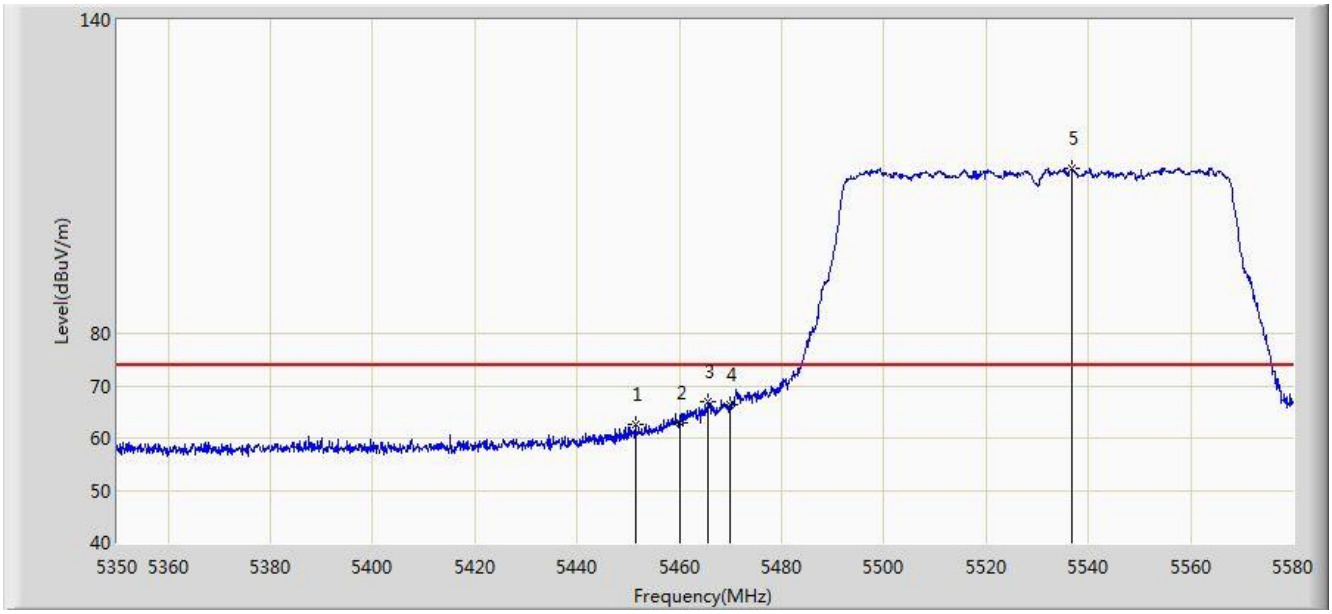


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5268.270	98.880	96.205	N/A	N/A	2.675	AV
2			5350.000	52.451	49.754	-1.549	54.000	2.697	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 20:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5530MHz Ant 0+1	

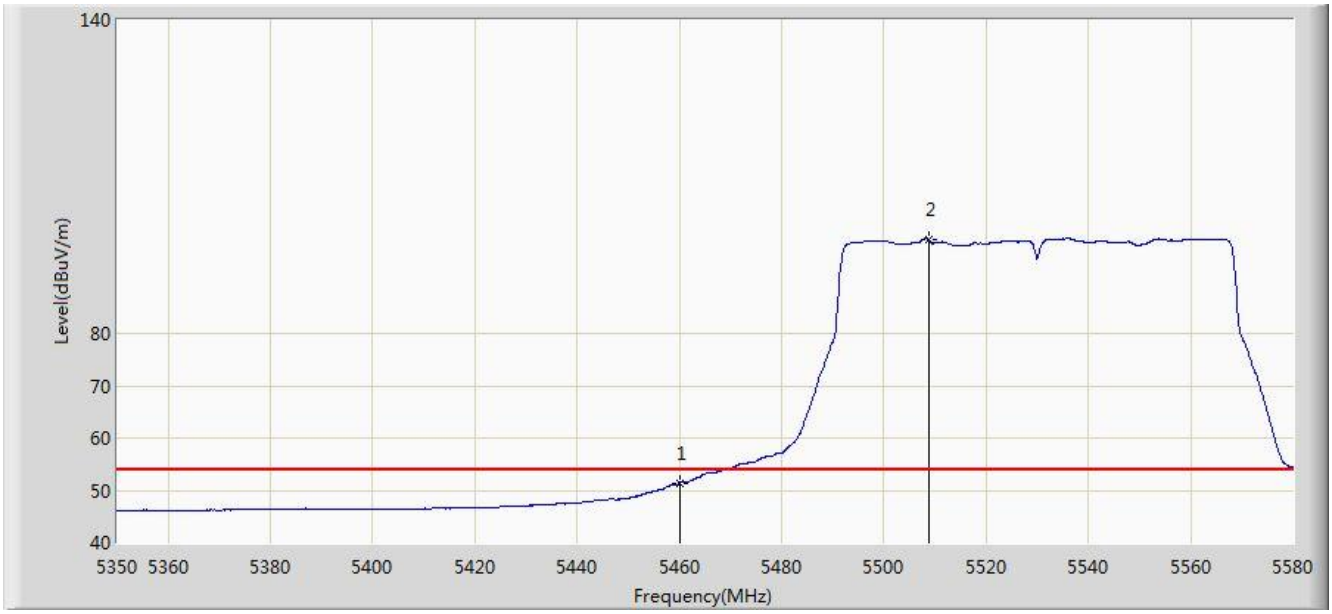


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5451.315	62.702	59.723	-11.298	74.000	2.980	PK
2			5460.000	62.907	59.714	-11.093	74.000	3.194	PK
3			5465.575	66.973	63.593	-7.027	74.000	3.381	PK
4			5470.000	66.266	62.737	-7.734	74.000	3.529	PK
5		*	5536.760	111.650	108.299	N/A	N/A	3.352	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 20:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5530MHz Ant 0+1	

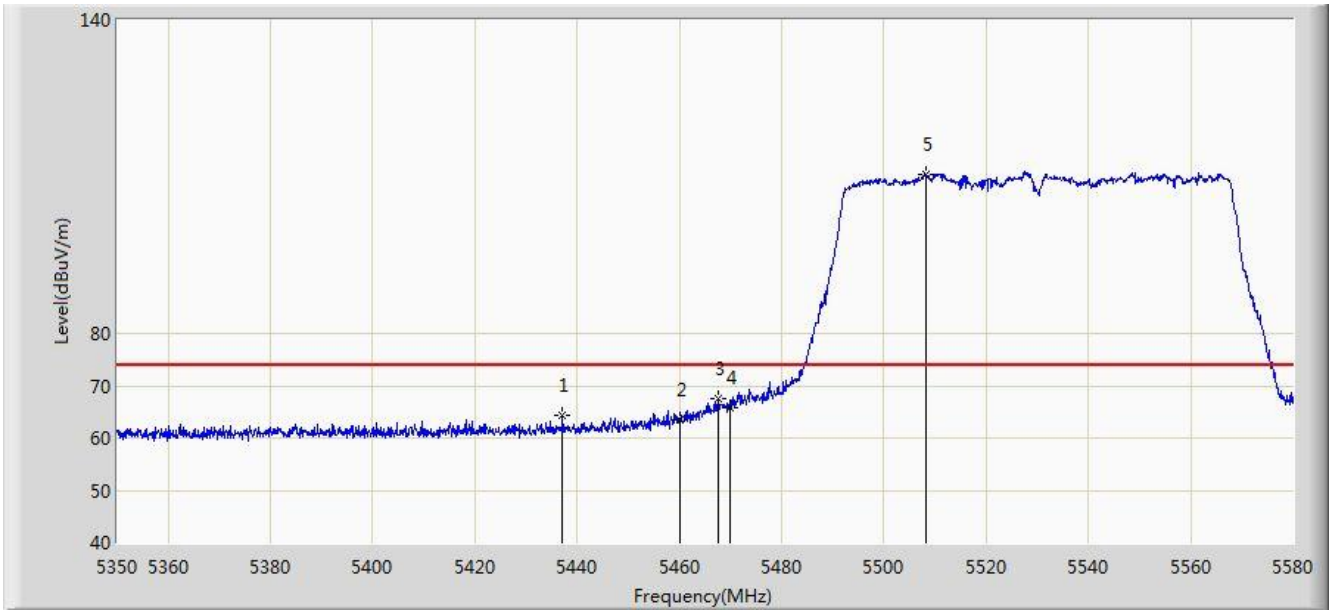


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	51.314	48.121	-2.686	54.000	3.194	AV
2		*	5508.700	97.930	94.774	N/A	N/A	3.157	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 20:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5530MHz Ant 0+1	

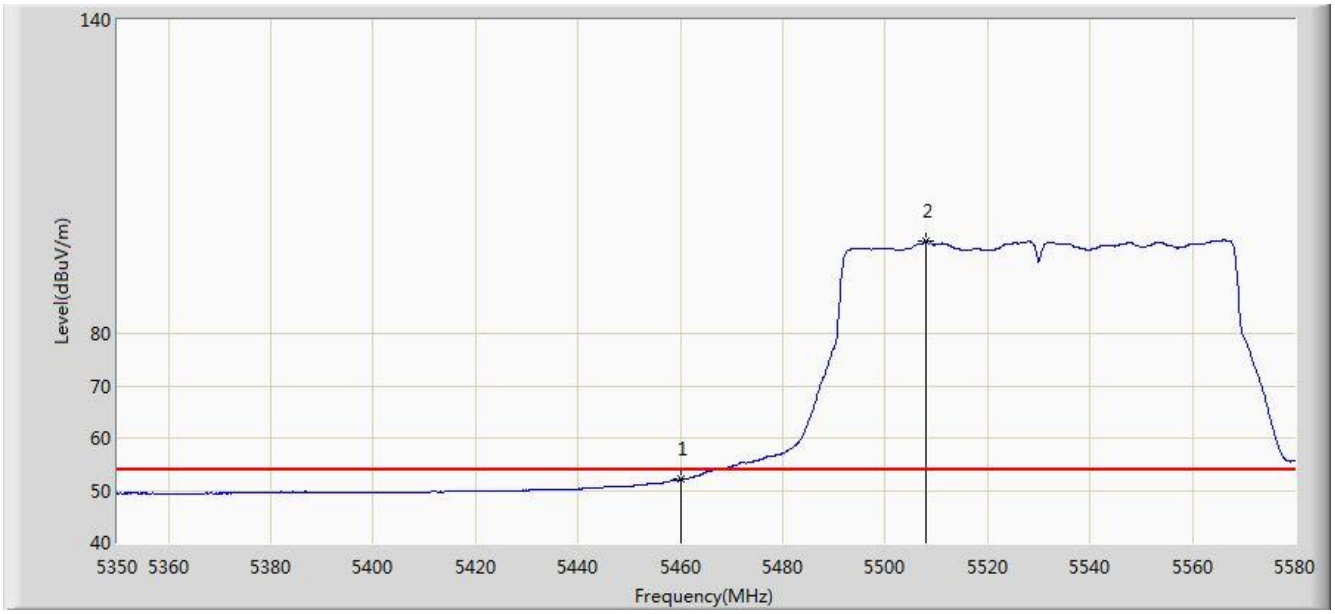


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5437.170	64.309	61.014	-9.691	74.000	3.295	PK
2			5460.000	63.438	60.245	-10.562	74.000	3.194	PK
3			5467.645	67.410	63.960	-6.590	74.000	3.450	PK
4			5470.000	65.790	62.261	-8.210	74.000	3.529	PK
5		*	5508.355	110.346	107.199	N/A	N/A	3.147	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 20:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5530MHz Ant 0+1	

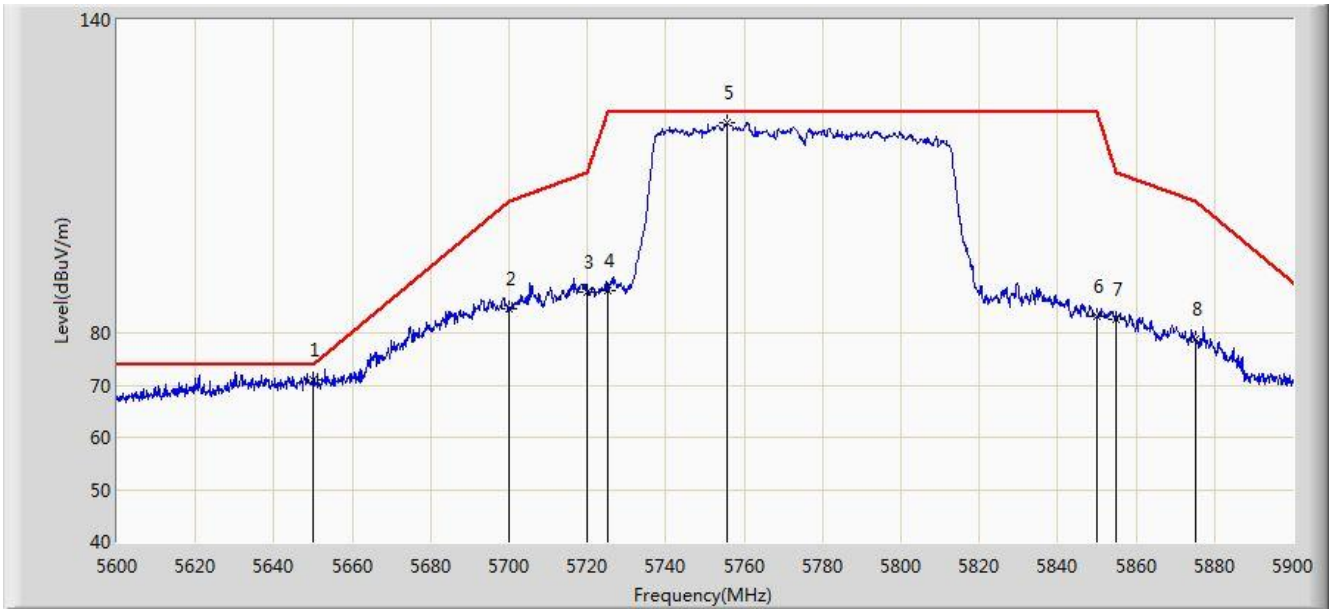


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	52.075	48.882	-1.925	54.000	3.194	AV
2		*	5507.895	97.626	94.490	N/A	N/A	3.137	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 20:09
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 0+1	

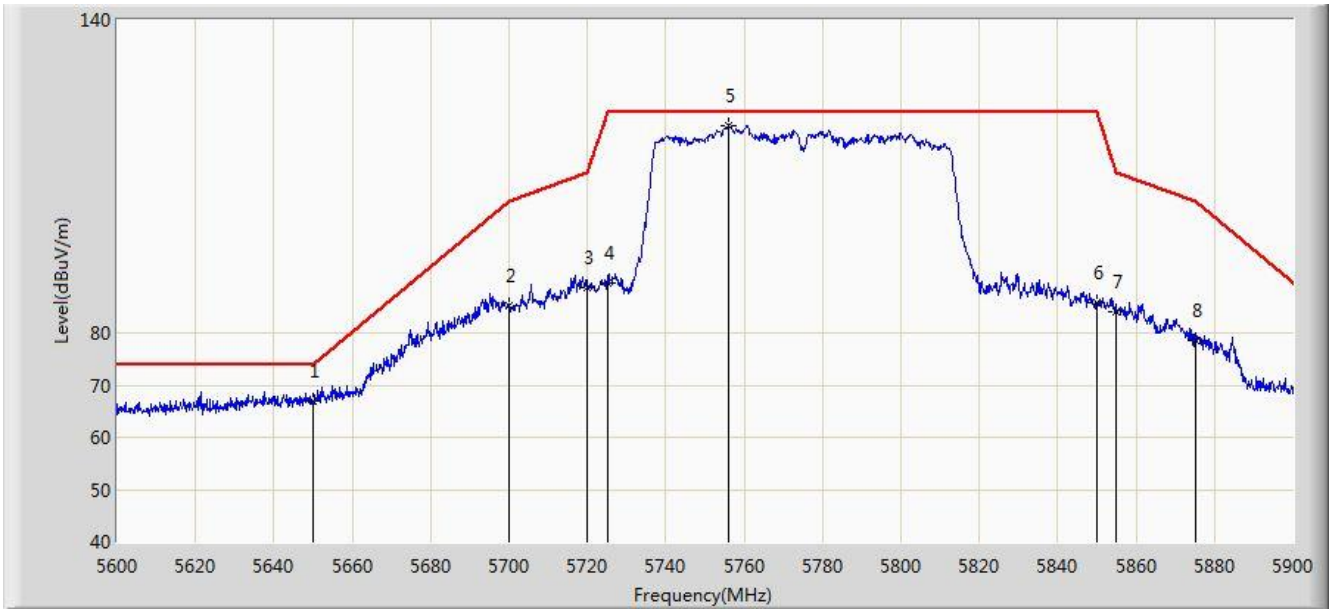


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	71.034	67.231	-2.966	74.000	3.803	PK
2			5700.000	84.716	80.776	-20.484	105.200	3.940	PK
3			5720.000	87.719	83.737	-23.081	110.800	3.982	PK
4			5725.000	88.105	83.999	-34.095	122.200	4.105	PK
5		*	5755.700	120.222	115.856	N/A	N/A	4.366	PK
6			5850.000	83.088	78.093	-39.112	122.200	4.995	PK
7			5855.000	82.644	77.656	-28.156	110.800	4.987	PK
8			5875.000	78.782	73.775	-26.418	105.200	5.008	PK
9			5925.000	71.020	65.868	-2.980	74.000	5.152	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2016/02/06 - 20:10
Limit: FCC_Part15.407_RE(3m)	Engineer: Will Yan
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80 at Channel 5775MHz Ant 0+1	

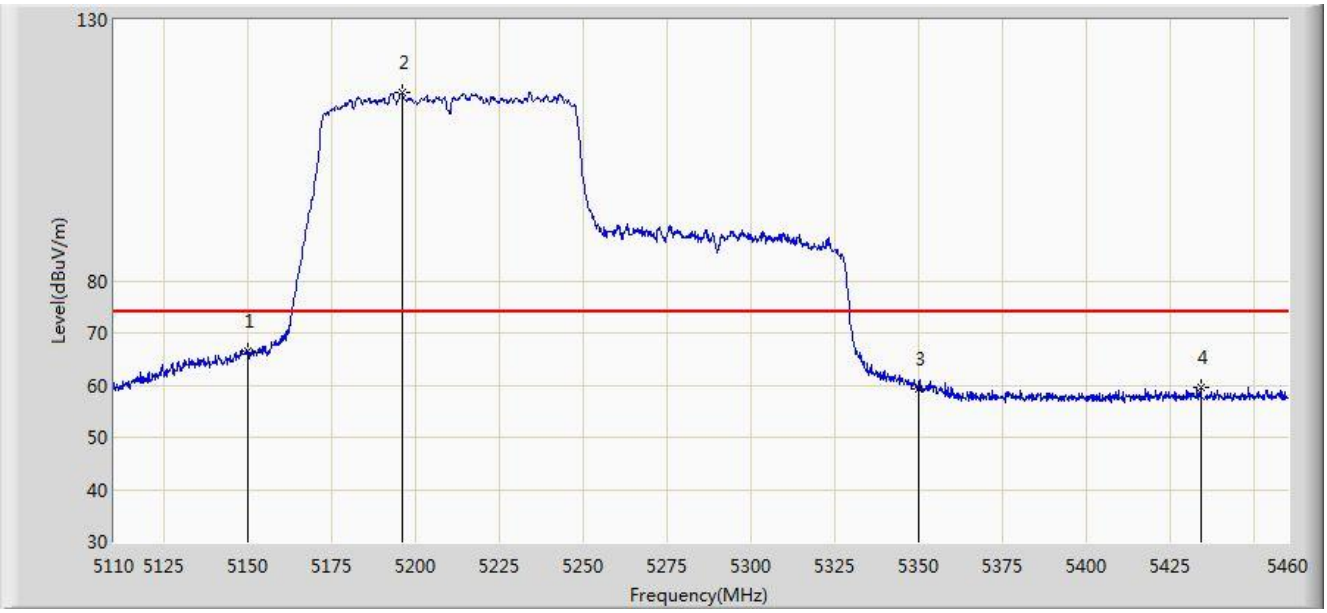


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	67.058	63.255	-6.942	74.000	3.803	PK
2			5700.000	85.254	81.314	-19.946	105.200	3.940	PK
3			5720.000	88.611	84.629	-22.189	110.800	3.982	PK
4			5725.000	89.421	85.315	-32.779	122.200	4.105	PK
5		*	5756.000	119.698	115.327	N/A	N/A	4.371	PK
6			5850.000	85.860	80.865	-36.340	122.200	4.995	PK
7			5855.000	84.202	79.214	-26.598	110.800	4.987	PK
8			5875.000	78.680	73.673	-26.520	105.200	5.008	PK
9			5925.000	69.676	64.524	-4.324	74.000	5.152	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 13:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5290MHz Ant 0 + 1	

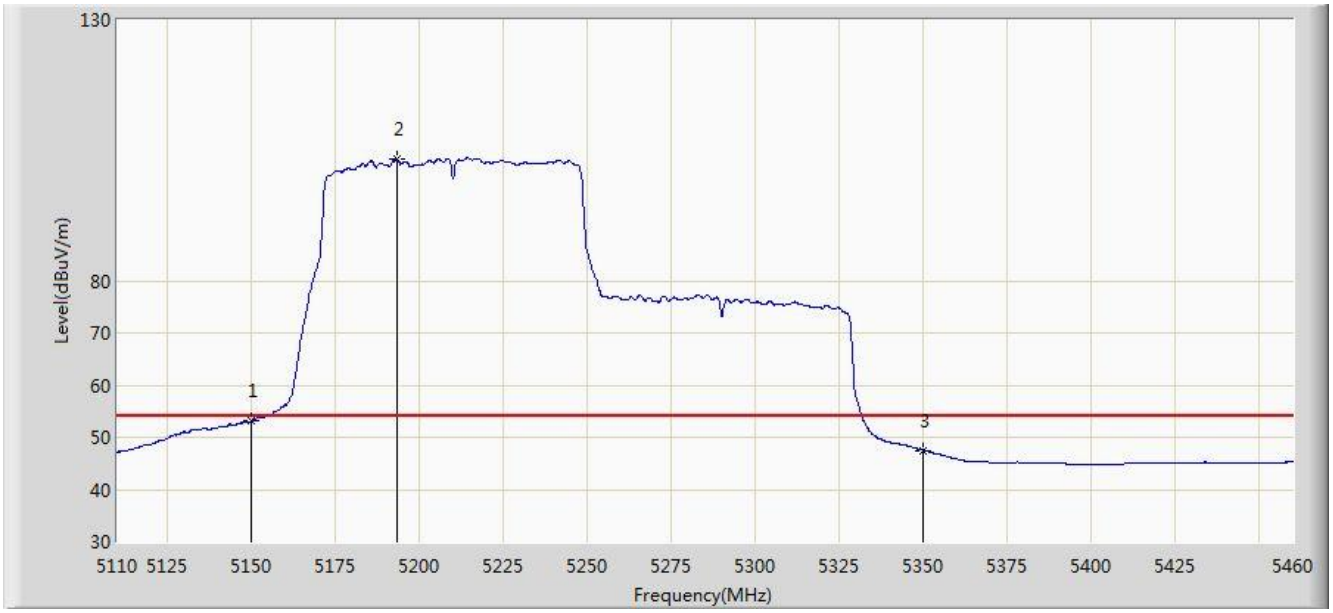


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	66.475	63.405	-7.525	74.000	3.069	PK
2		*	5195.750	116.226	113.360	N/A	N/A	2.866	PK
3			5350.000	59.280	56.583	-14.720	74.000	2.697	PK
4			5433.925	59.661	56.322	-14.339	74.000	3.339	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 13:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5290MHz Ant 0 + 1	

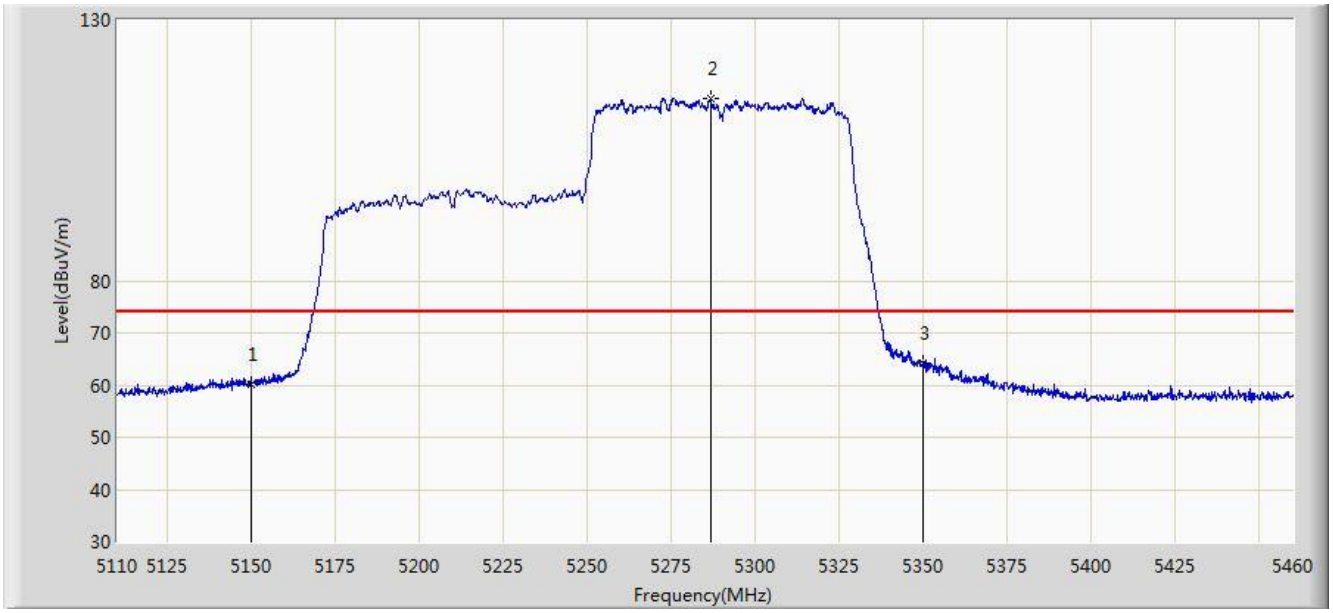


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.171	50.101	-0.829	54.000	3.069	AV
2		*	5193.125	103.259	100.354	N/A	N/A	2.905	AV
3			5350.000	47.493	44.796	-6.507	54.000	2.697	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 13:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5290MHz Ant 0 + 1	

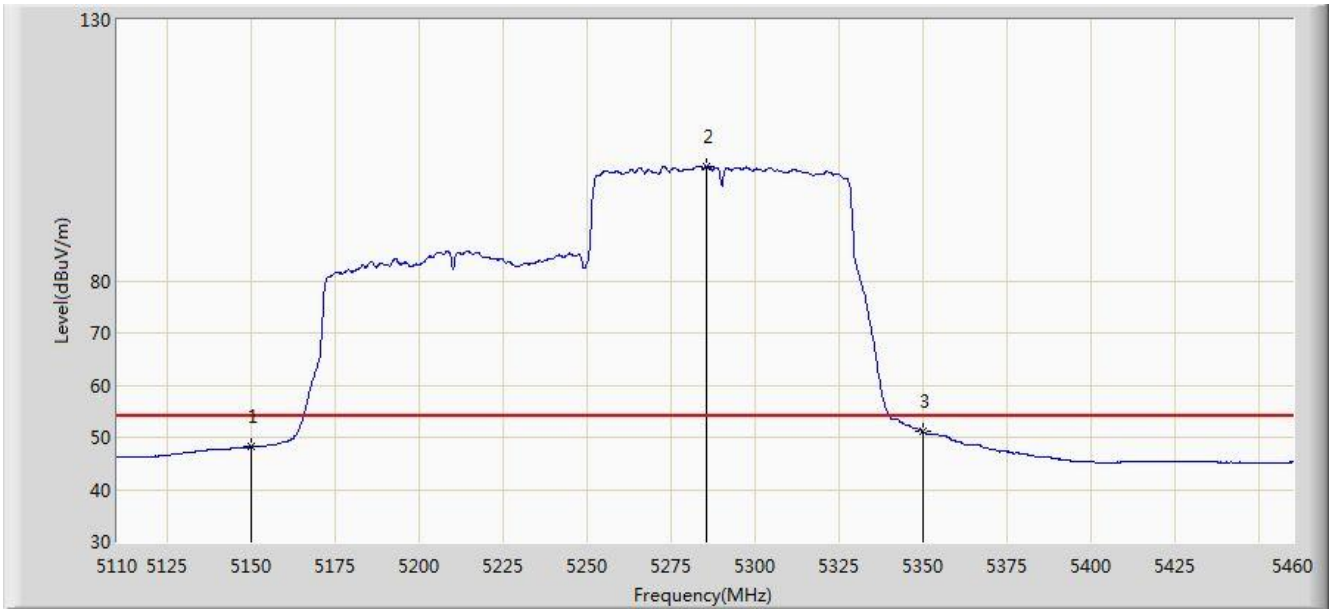


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	60.214	57.144	-13.786	74.000	3.069	PK
2		*	5286.575	114.870	112.187	N/A	N/A	2.683	PK
3			5350.000	64.207	61.510	-9.793	74.000	2.697	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 13:41
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5290MHz Ant 0 + 1	

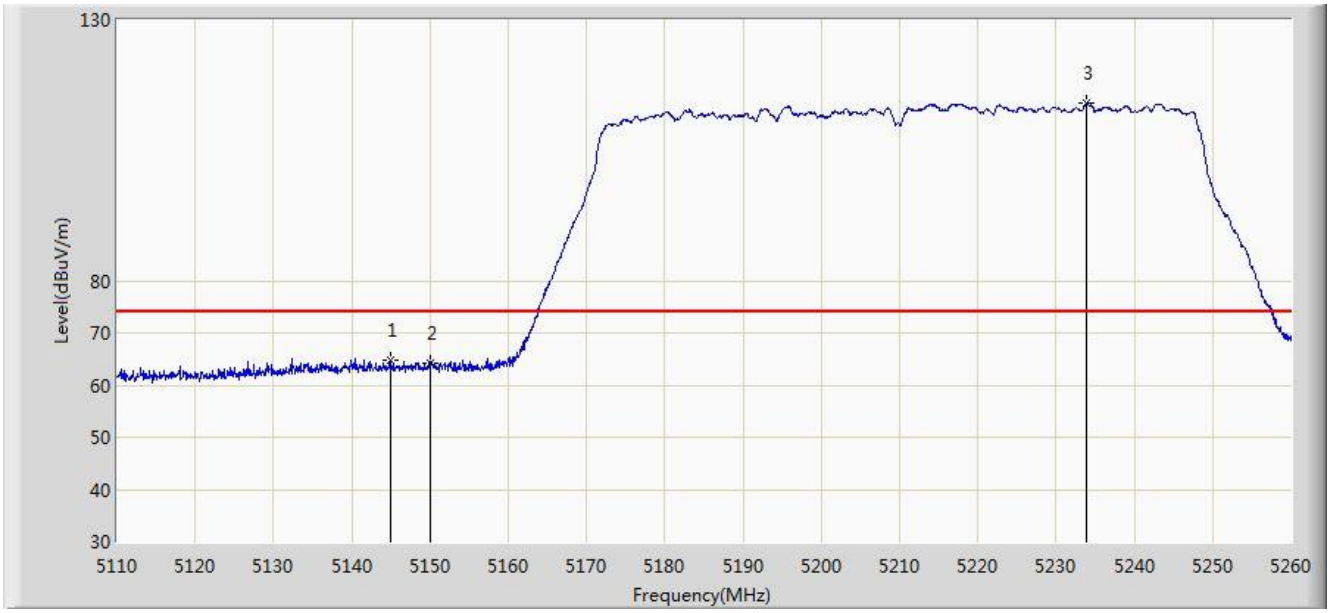


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.222	45.152	-5.778	54.000	3.069	AV
2		*	5285.525	101.919	99.232	N/A	N/A	2.687	AV
3			5350.000	51.113	48.416	-2.887	54.000	2.697	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5530MHz Ant 0 + 1	

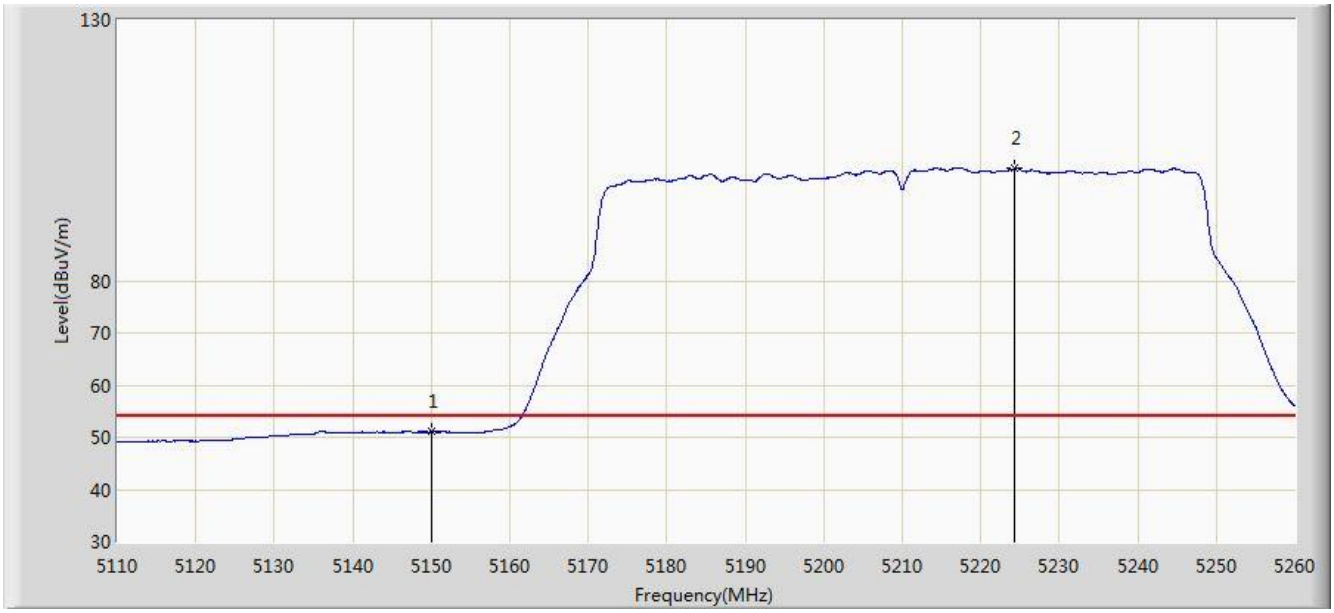


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.950	64.910	61.828	-9.090	74.000	3.082	PK
2			5150.000	64.266	61.196	-9.734	74.000	3.069	PK
3		*	5233.900	114.187	111.389	N/A	N/A	2.798	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5530MHz Ant 0 + 1	

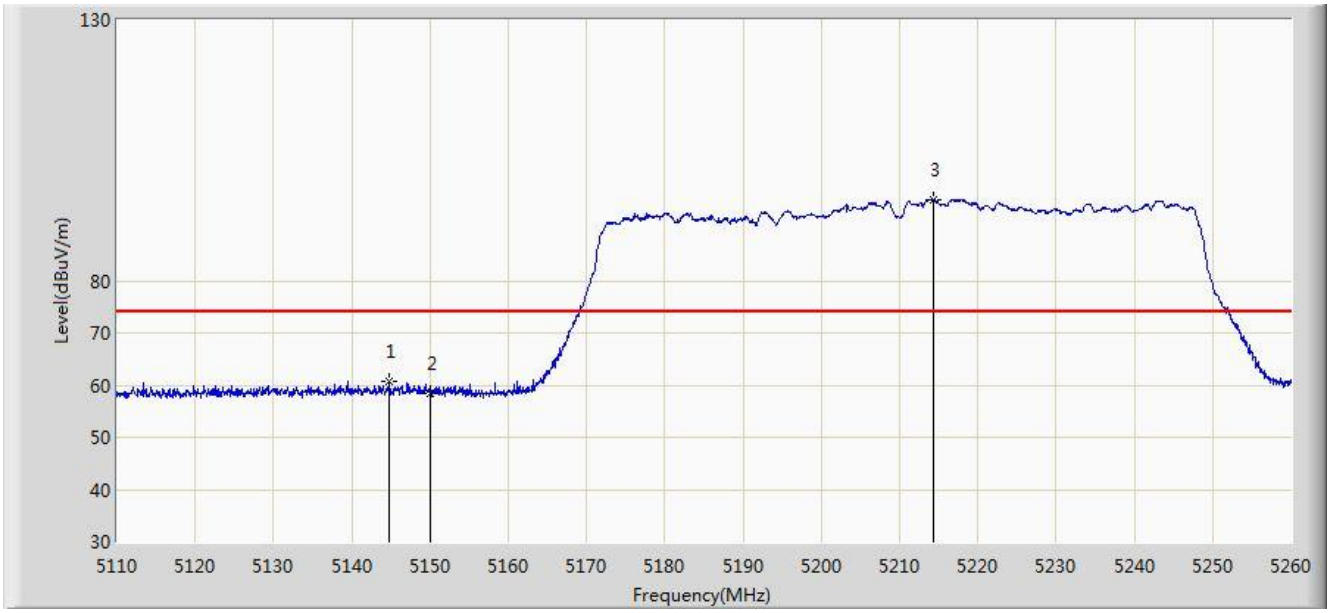


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	51.039	47.969	-2.961	54.000	3.069	AV
2		*	5224.375	101.598	98.790	N/A	N/A	2.809	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:06
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5530MHz Ant 0 + 1	

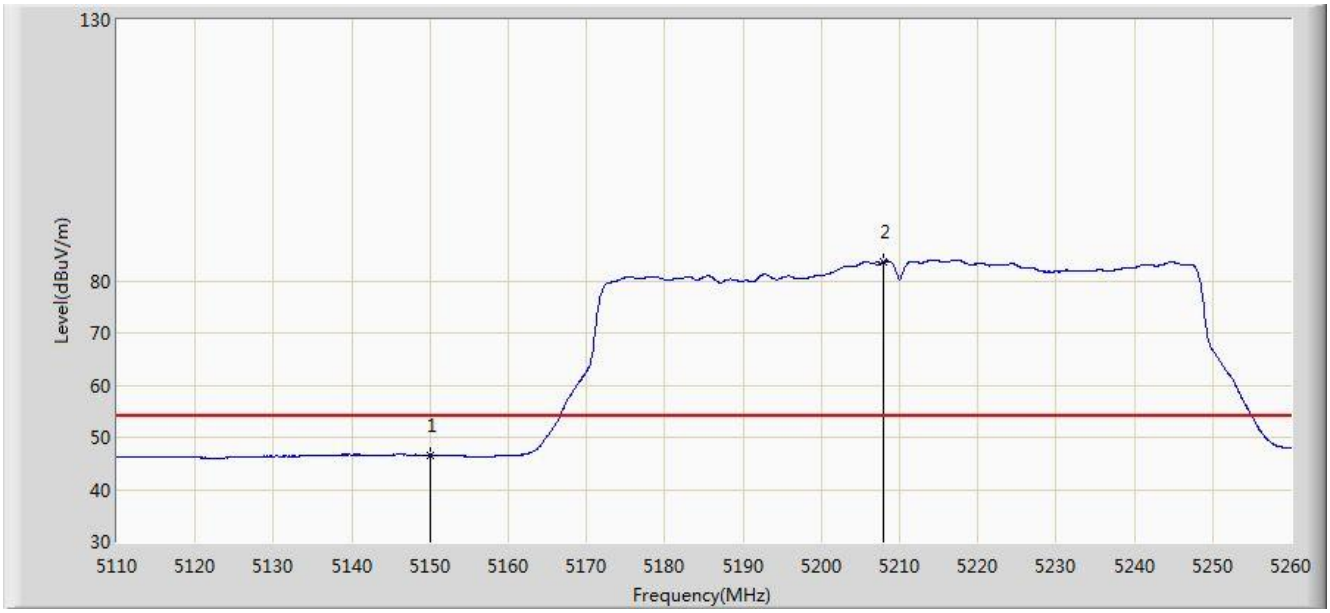


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.800	60.750	57.668	-13.250	74.000	3.082	PK
2			5150.000	58.384	55.314	-15.616	74.000	3.069	PK
3		*	5214.250	95.422	92.621	N/A	N/A	2.801	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5530MHz Ant 0 + 1	

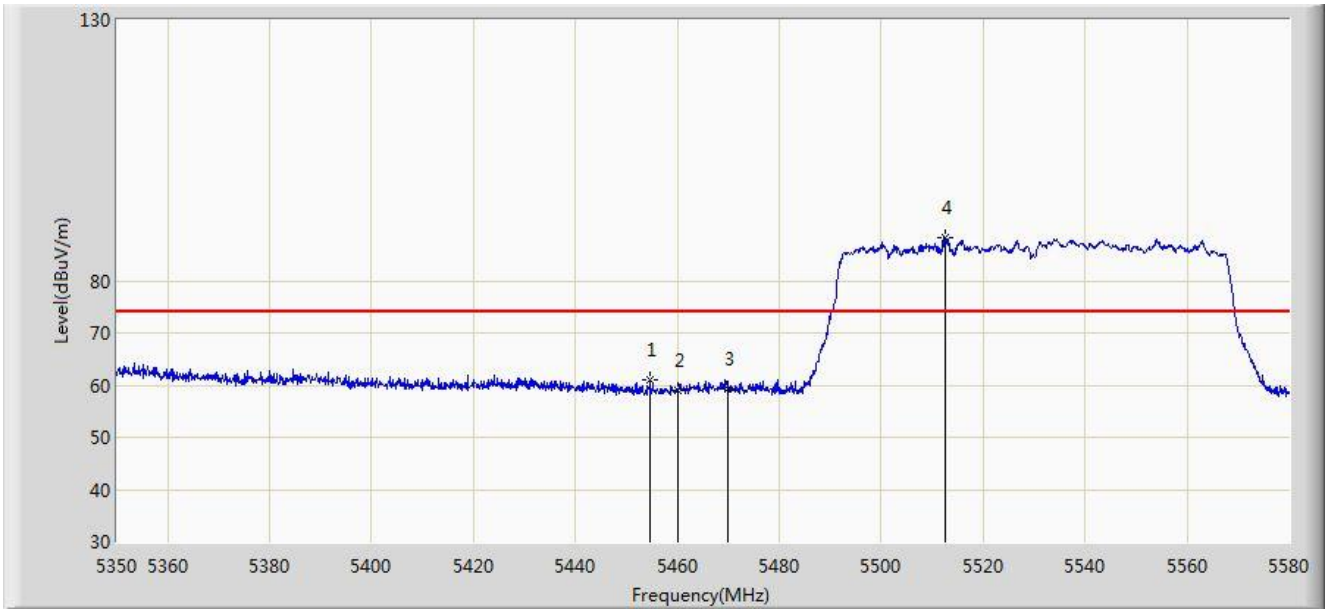


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	46.634	43.564	-7.366	54.000	3.069	AV
2		*	5207.875	83.595	80.803	N/A	N/A	2.792	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:02
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5530MHz Ant 0 + 1	

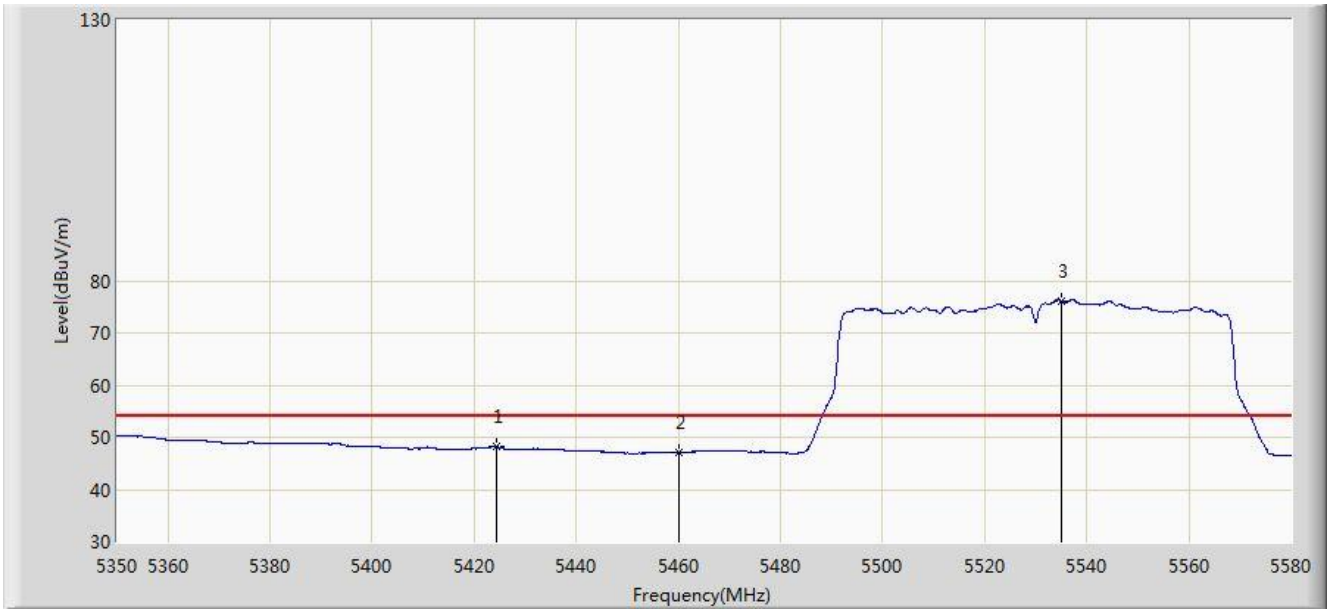


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5454.650	60.946	57.933	-13.054	74.000	3.013	PK
2			5460.000	58.980	55.787	-15.020	74.000	3.194	PK
3			5470.000	59.150	55.621	-14.850	74.000	3.529	PK
4		*	5512.610	88.194	84.943	N/A	N/A	3.250	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:03
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5530MHz Ant 0 + 1	

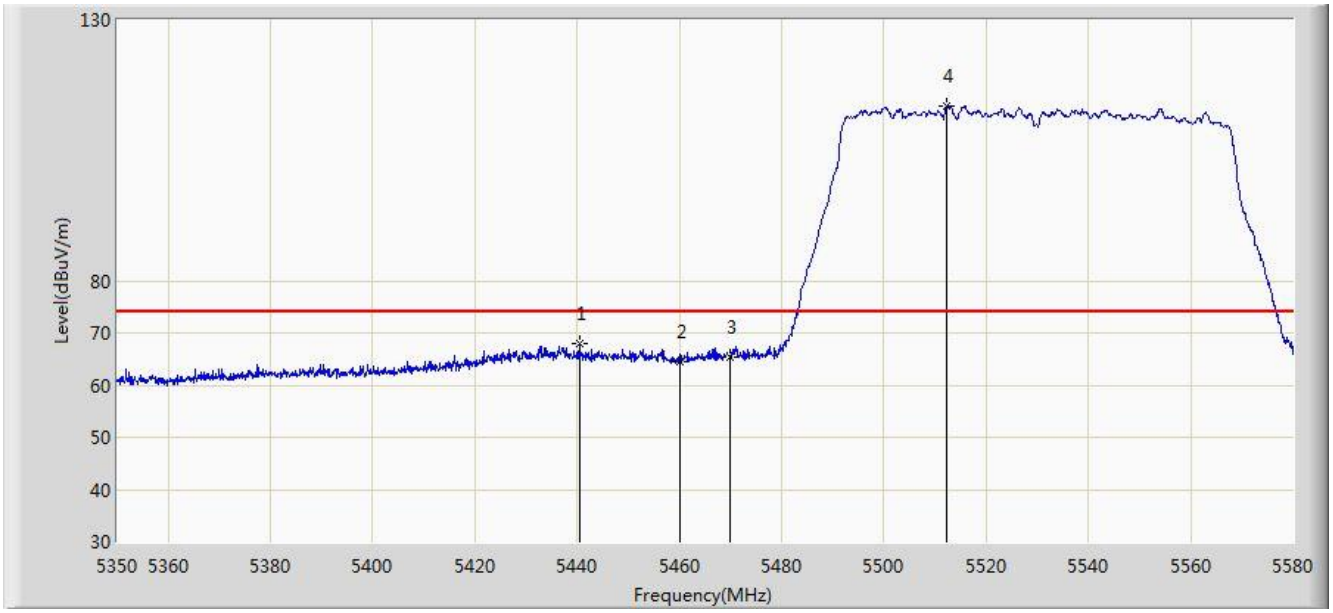


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5424.290	48.298	44.995	-5.702	54.000	3.303	AV
2			5460.000	47.011	43.818	-6.989	54.000	3.194	AV
3		*	5535.150	76.188	72.822	N/A	N/A	3.366	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5530MHz Ant 0 + 1	

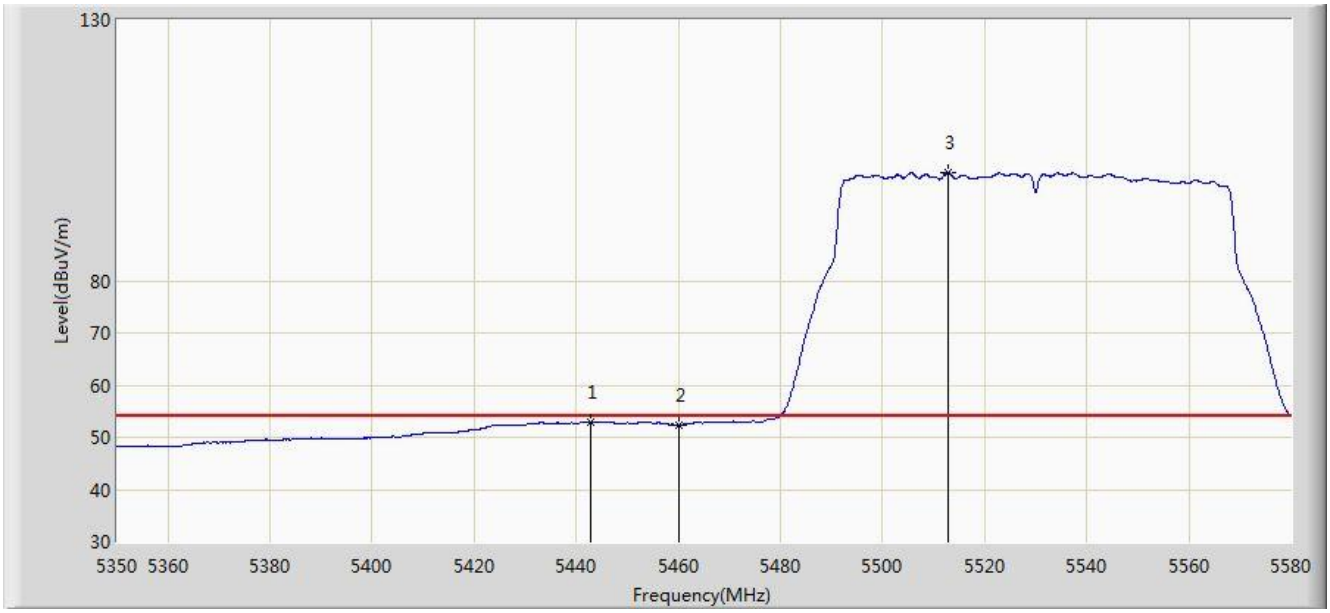


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5440.505	67.896	64.675	-6.104	74.000	3.220	PK
2			5460.000	64.361	61.168	-9.639	74.000	3.194	PK
3			5470.000	65.457	61.928	-8.543	74.000	3.529	PK
4		*	5512.380	113.464	110.219	N/A	N/A	3.245	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5530MHz Ant 0 + 1	

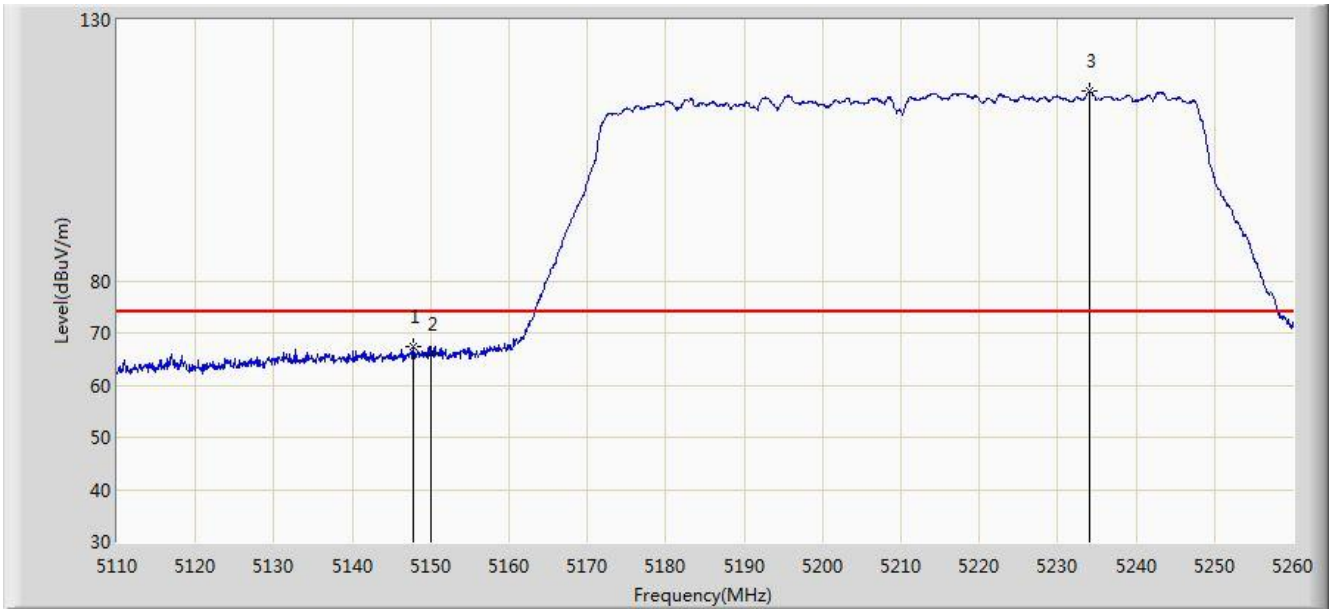


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5442.920	52.978	49.811	-1.022	54.000	3.167	AV
2			5460.000	52.427	49.234	-1.573	54.000	3.194	AV
3		*	5512.955	100.755	97.496	N/A	N/A	3.259	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5610MHz Ant 0 + 1	

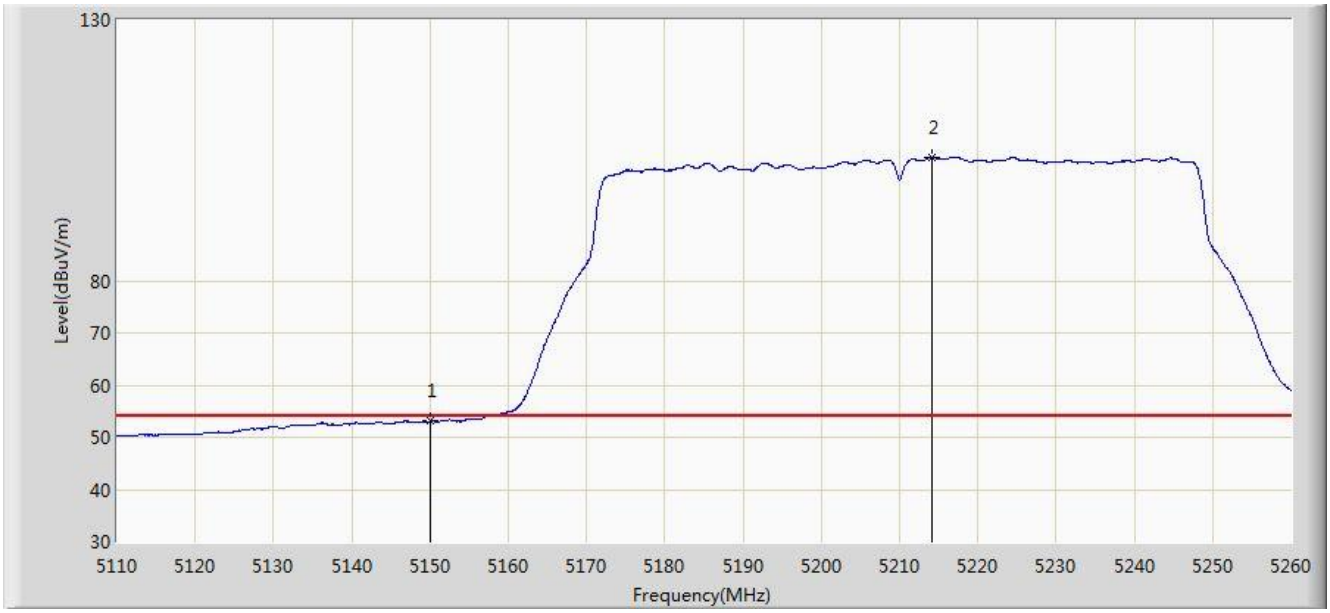


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.800	67.250	64.175	-6.750	74.000	3.075	PK
2			5150.000	65.933	62.863	-8.067	74.000	3.069	PK
3		*	5234.125	116.323	113.526	N/A	N/A	2.798	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5610MHz Ant 0 + 1	

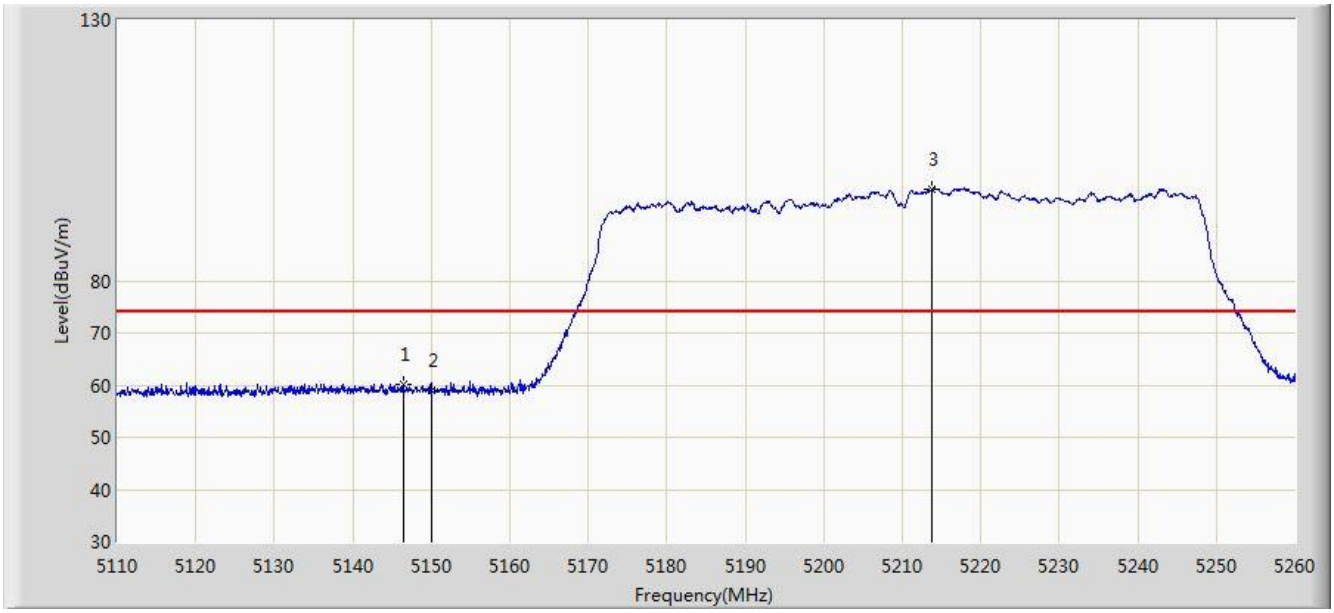


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	53.056	49.986	-0.944	54.000	3.069	AV
2		*	5214.175	103.513	100.712	N/A	N/A	2.800	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5610MHz Ant 0 + 1	

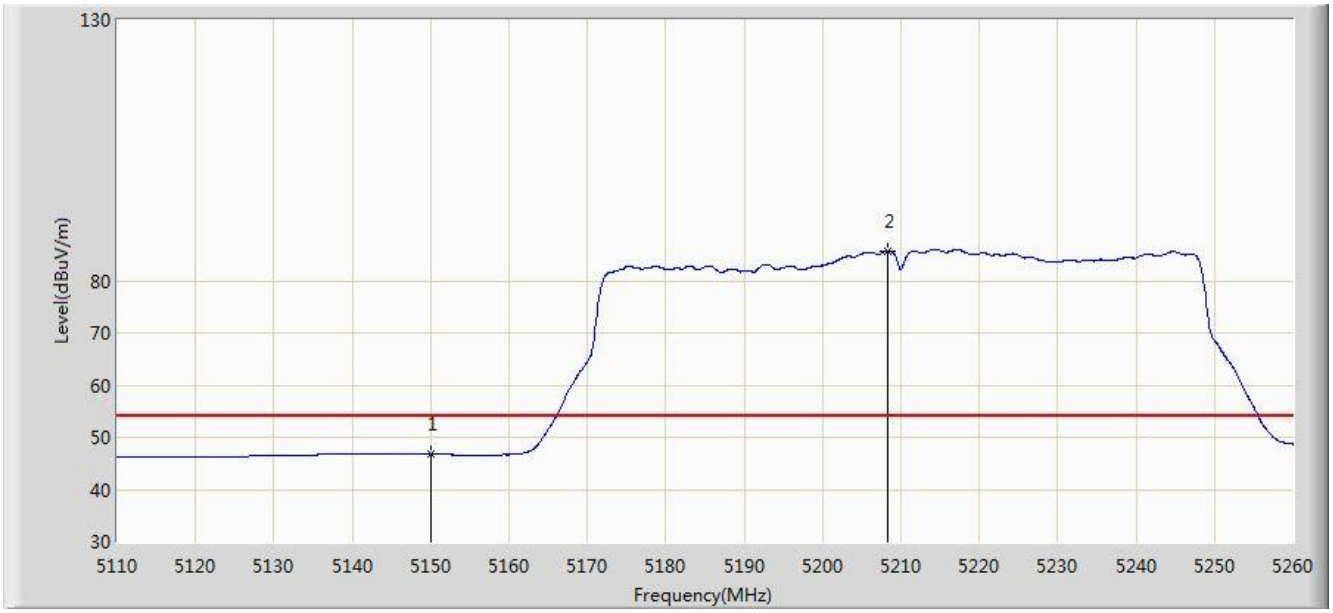


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.450	60.035	56.957	-13.965	74.000	3.078	PK
2			5150.000	58.867	55.797	-15.133	74.000	3.069	PK
3		*	5213.725	97.649	94.849	N/A	N/A	2.800	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:22
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5610MHz Ant 0 + 1	

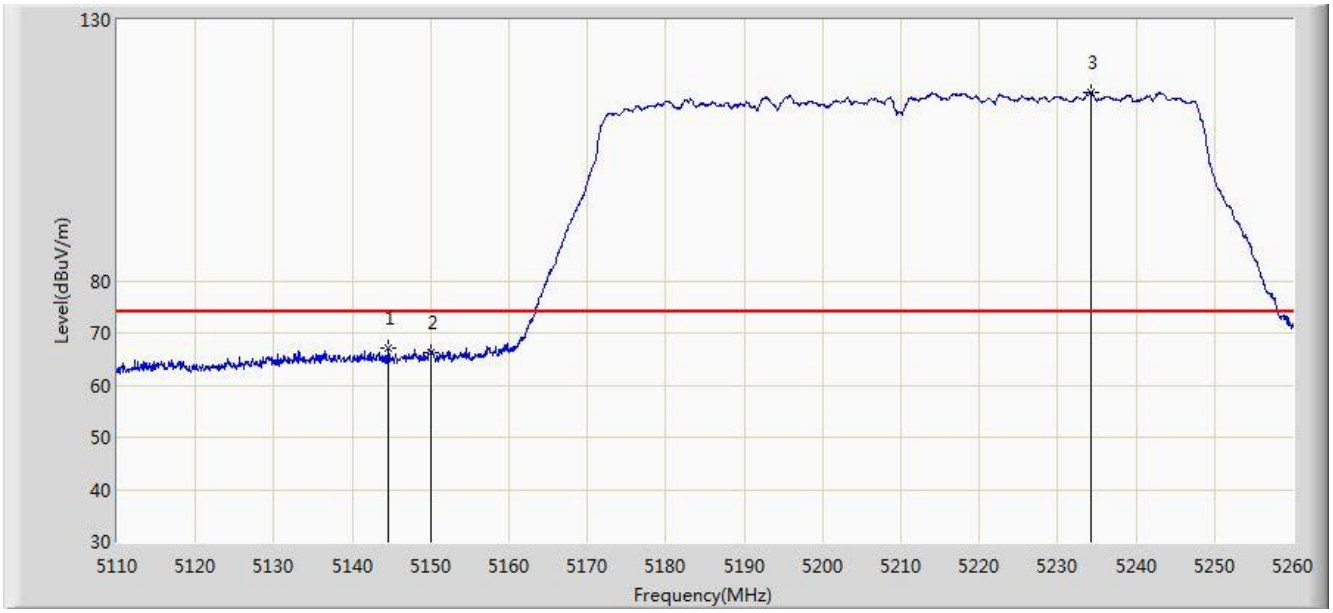


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	46.814	43.744	-7.186	54.000	3.069	AV
2		*	5208.400	85.731	82.938	N/A	N/A	2.793	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5690MHz Ant 0 + 1	

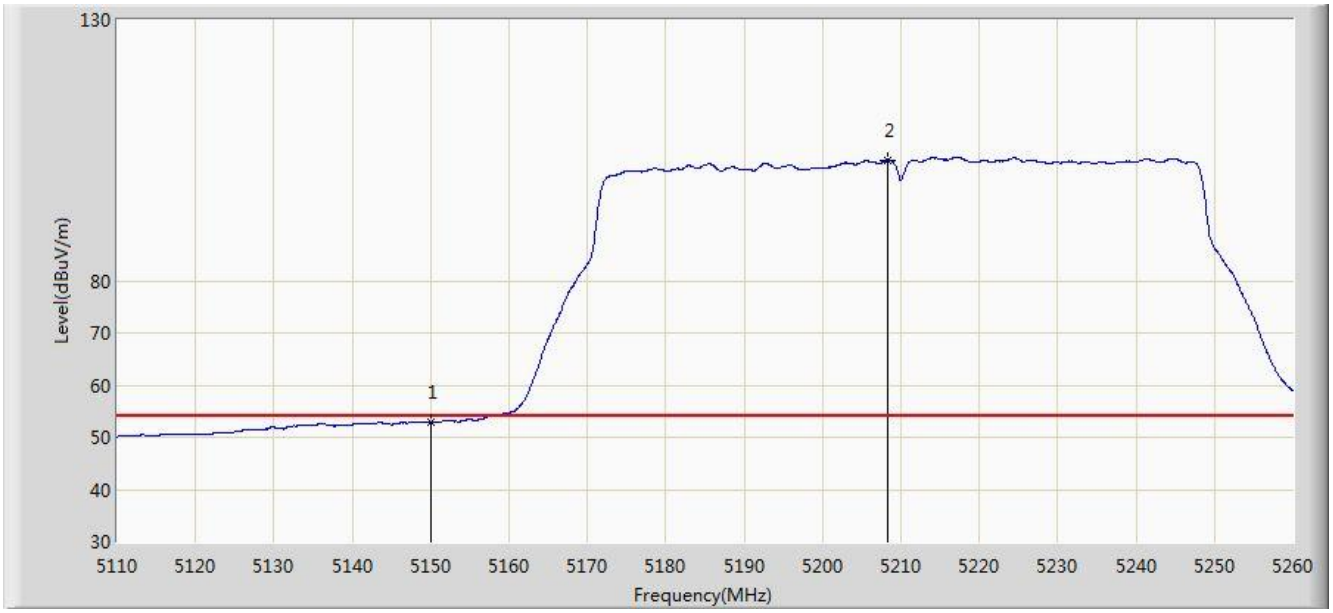


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5144.500	67.136	64.053	-6.864	74.000	3.083	PK
2			5150.000	66.315	63.245	-7.685	74.000	3.069	PK
3		*	5234.200	116.206	113.409	N/A	N/A	2.796	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5690MHz Ant 0 + 1	

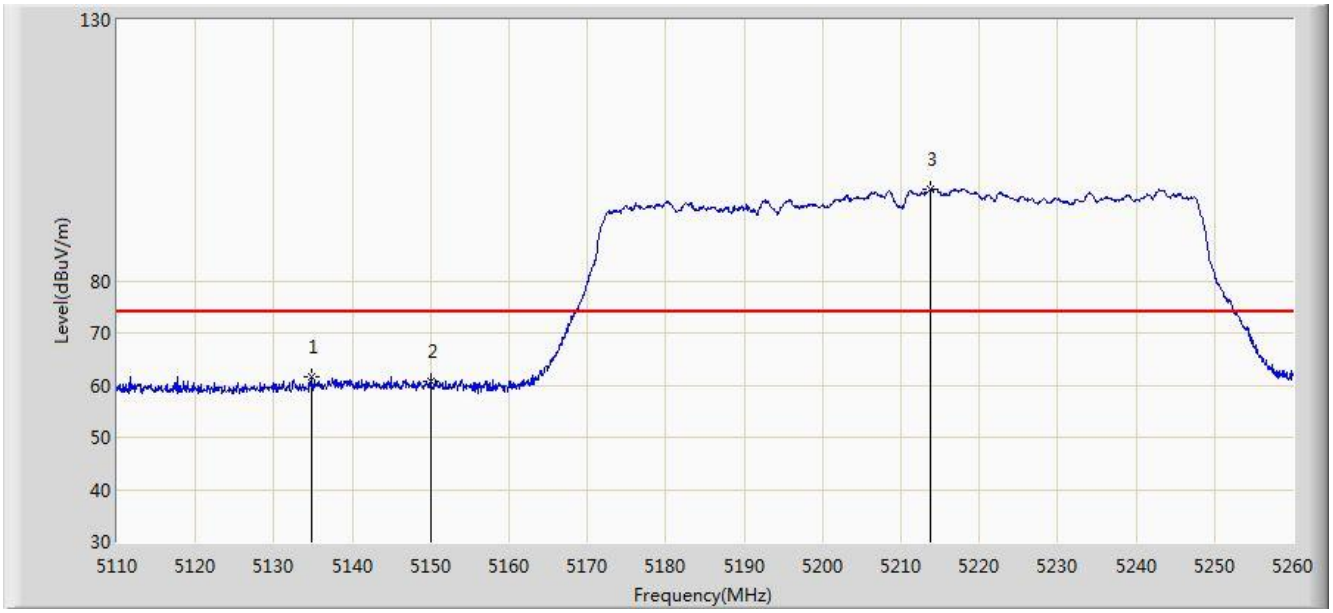


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.976	49.906	-1.024	54.000	3.069	AV
2		*	5208.250	103.145	100.353	N/A	N/A	2.792	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:26
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5690MHz Ant 0 + 1	

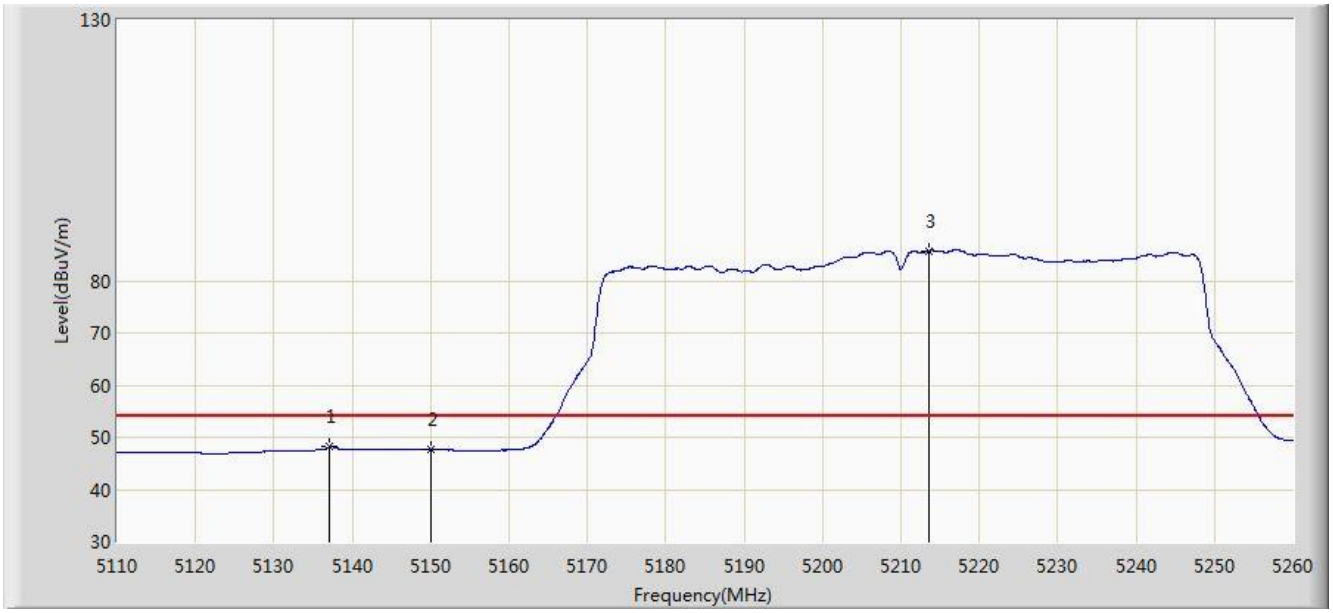


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5134.750	61.450	58.326	-12.550	74.000	3.124	PK
2			5150.000	60.863	57.793	-13.137	74.000	3.069	PK
3		*	5213.800	97.629	94.829	N/A	N/A	2.801	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5690MHz Ant 0 + 1	

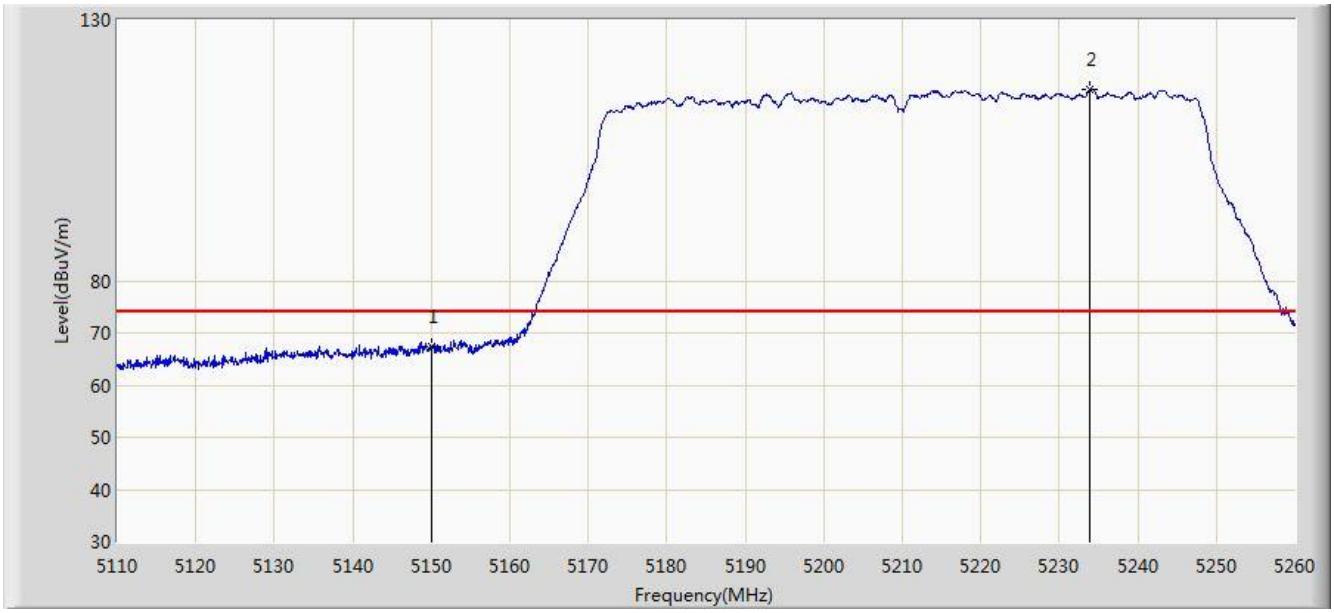


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5137.150	48.180	45.076	-5.820	54.000	3.104	AV
2			5150.000	47.725	44.655	-6.275	54.000	3.069	AV
3		*	5213.650	85.751	82.951	N/A	N/A	2.800	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5775MHz Ant 0 + 1	

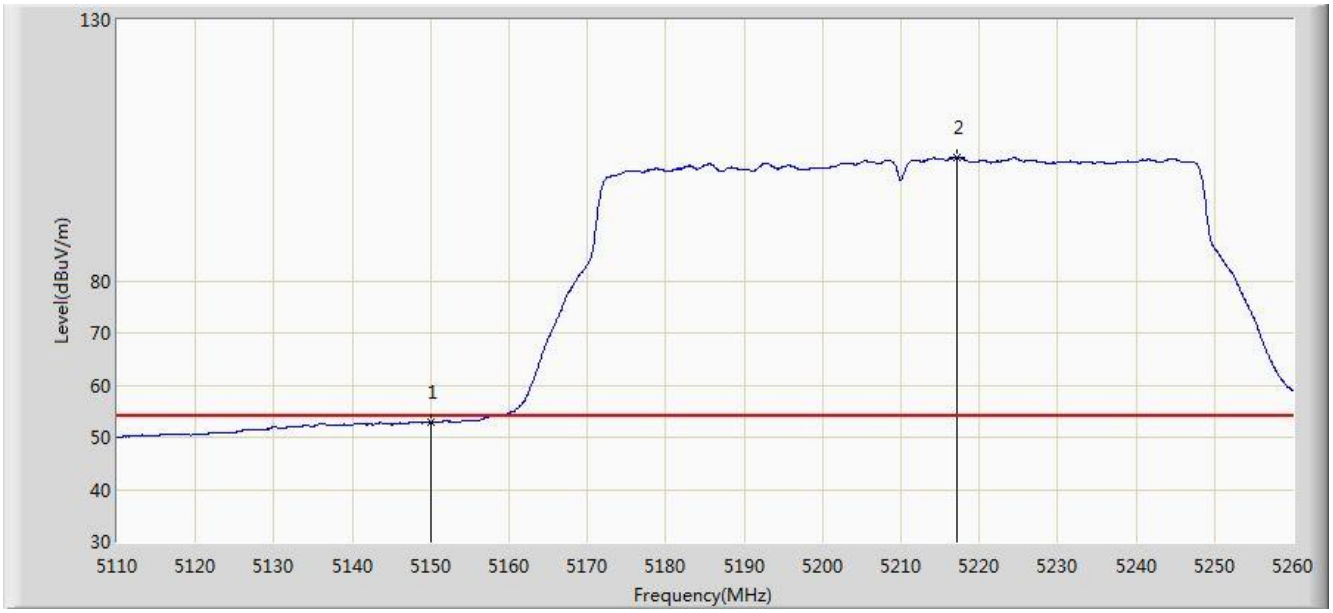


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	67.502	64.432	-6.498	74.000	3.069	PK
2		*	5233.825	116.598	113.800	N/A	N/A	2.799	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:31
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5775MHz Ant 0 + 1	

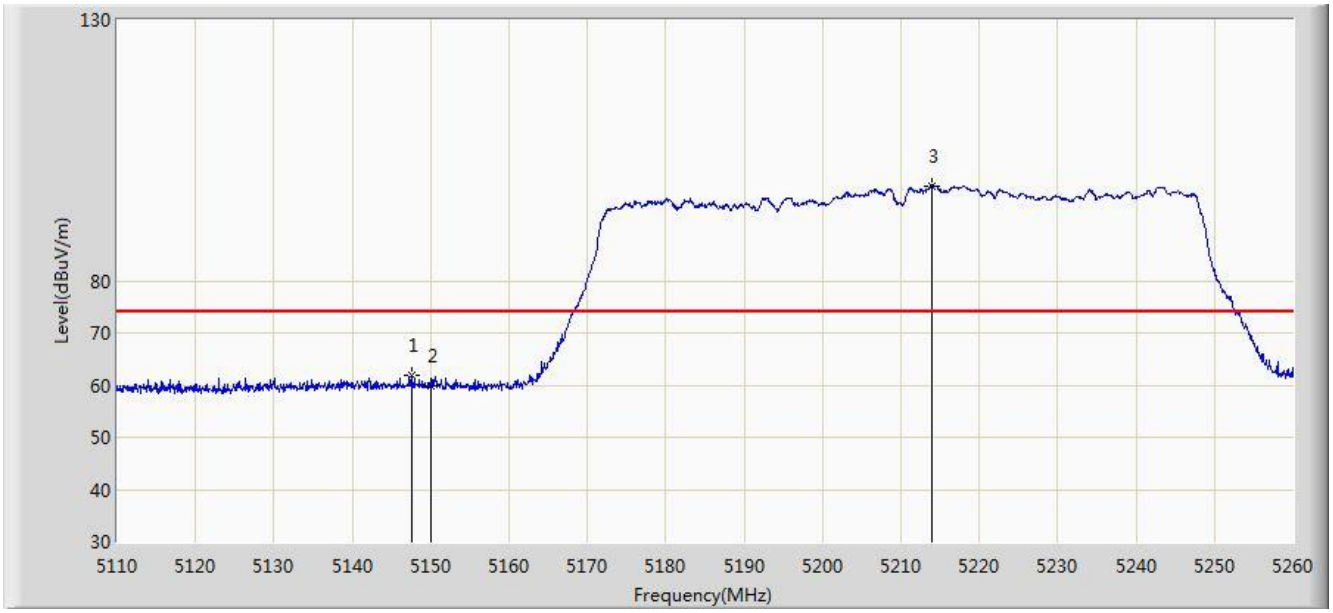


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	52.874	49.804	-1.126	54.000	3.069	AV
2		*	5217.175	103.585	100.781	N/A	N/A	2.804	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5775MHz Ant 0 + 1	

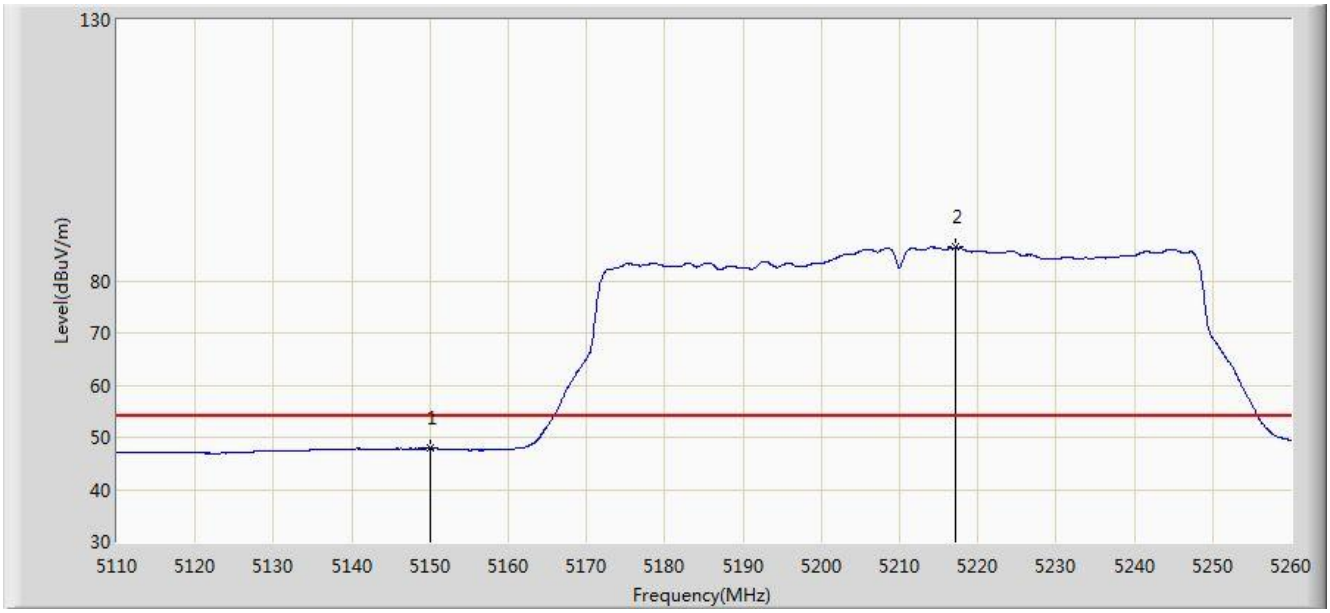


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.500	61.873	58.797	-12.127	74.000	3.075	PK
2			5150.000	59.877	56.807	-14.123	74.000	3.069	PK
3		*	5213.950	98.252	95.451	N/A	N/A	2.800	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:35
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5775MHz Ant 0 + 1	

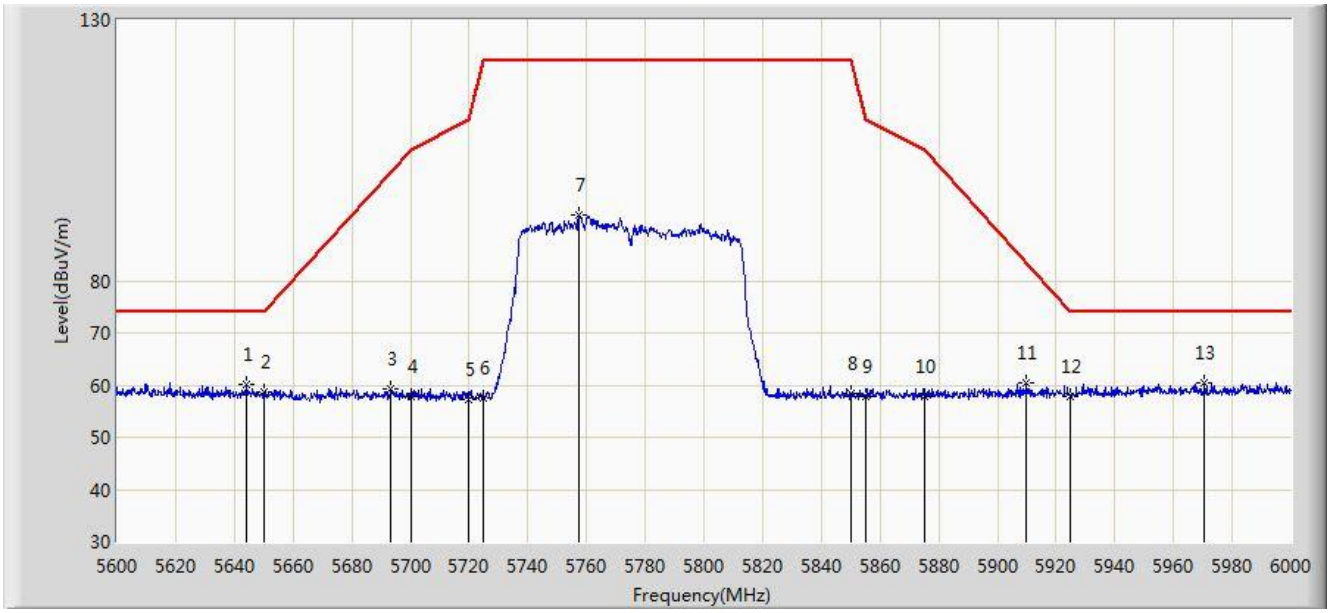


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	47.849	44.779	-6.151	54.000	3.069	AV
2		*	5217.175	86.381	83.577	N/A	N/A	2.804	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:37
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5775MHz Ant 0 + 1	

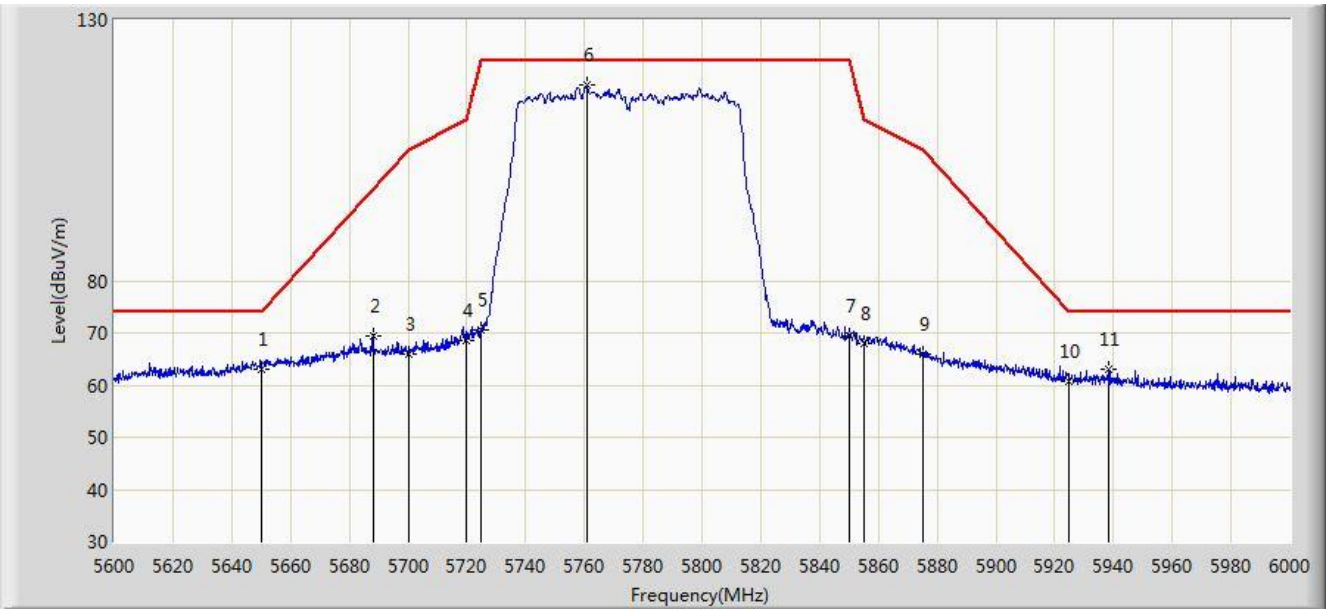


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5644.000	60.086	56.186	-13.914	74.000	3.900	PK
2			5650.000	58.720	54.917	-15.280	74.000	3.803	PK
3			5693.400	59.349	55.343	-41.748	101.097	4.006	PK
4			5700.000	57.816	53.876	-47.384	105.200	3.940	PK
5			5720.000	57.143	53.161	-53.657	110.800	3.982	PK
6			5725.000	57.596	53.490	-64.604	122.200	4.105	PK
7			5757.400	92.615	88.220	N/A	N/A	4.395	PK
8			5850.000	58.348	53.353	-63.852	122.200	4.995	PK
9			5855.000	57.701	52.713	-53.099	110.800	4.987	PK
10			5875.000	57.894	52.887	-47.306	105.200	5.008	PK
11			5910.000	60.408	55.227	-22.924	83.332	5.182	PK
12			5925.000	57.908	52.756	-16.092	74.000	5.152	PK
13		*	5970.600	60.496	55.271	-13.504	74.000	5.225	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:30
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5210MHz + 5775MHz Ant 0 + 1	

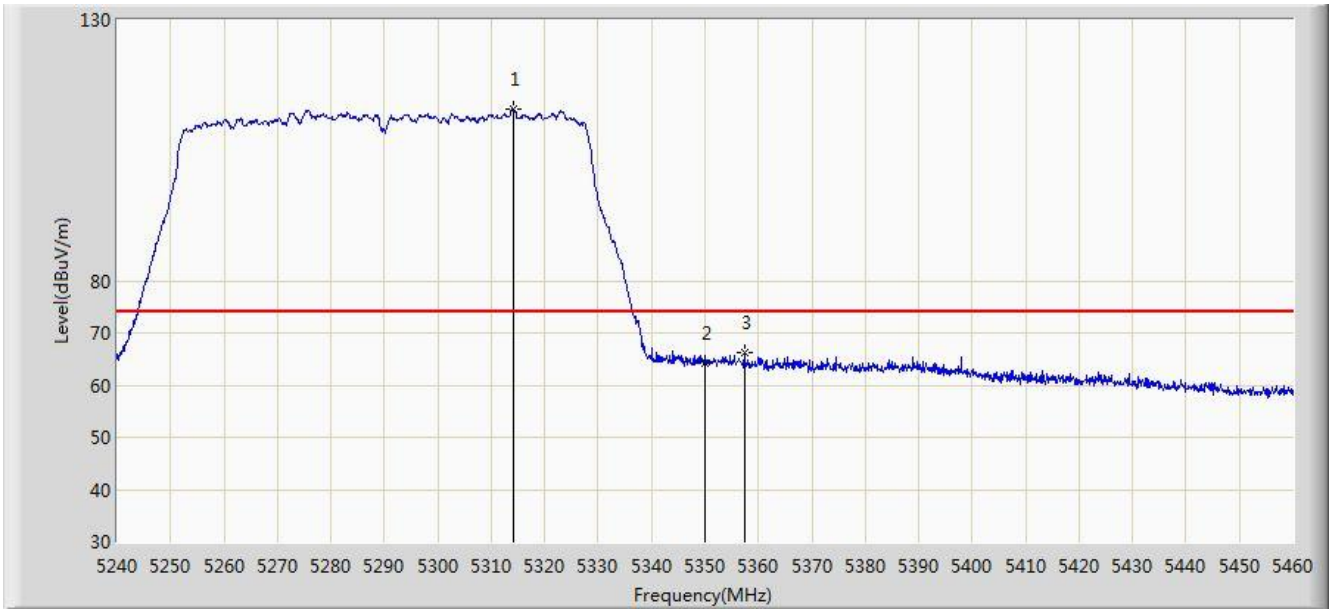


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5650.000	63.123	59.320	-10.877	74.000	3.803	PK
2			5688.200	69.565	65.548	-28.296	97.862	4.017	PK
3			5700.000	65.812	61.872	-39.388	105.200	3.940	PK
4			5720.000	68.478	64.496	-42.322	110.800	3.982	PK
5			5725.000	70.672	66.566	-51.528	122.200	4.105	PK
6		*	5760.800	117.439	112.999	N/A	N/A	4.440	PK
7			5850.000	69.385	64.390	-52.815	122.200	4.995	PK
8			5855.000	67.992	63.004	-42.808	110.800	4.987	PK
9			5875.000	65.989	60.982	-39.211	105.200	5.008	PK
10			5925.000	60.693	55.541	-13.307	74.000	5.152	PK
11			5938.200	63.050	57.873	-10.950	74.000	5.176	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5290MHz + 5530MHz Ant 0 + 1	

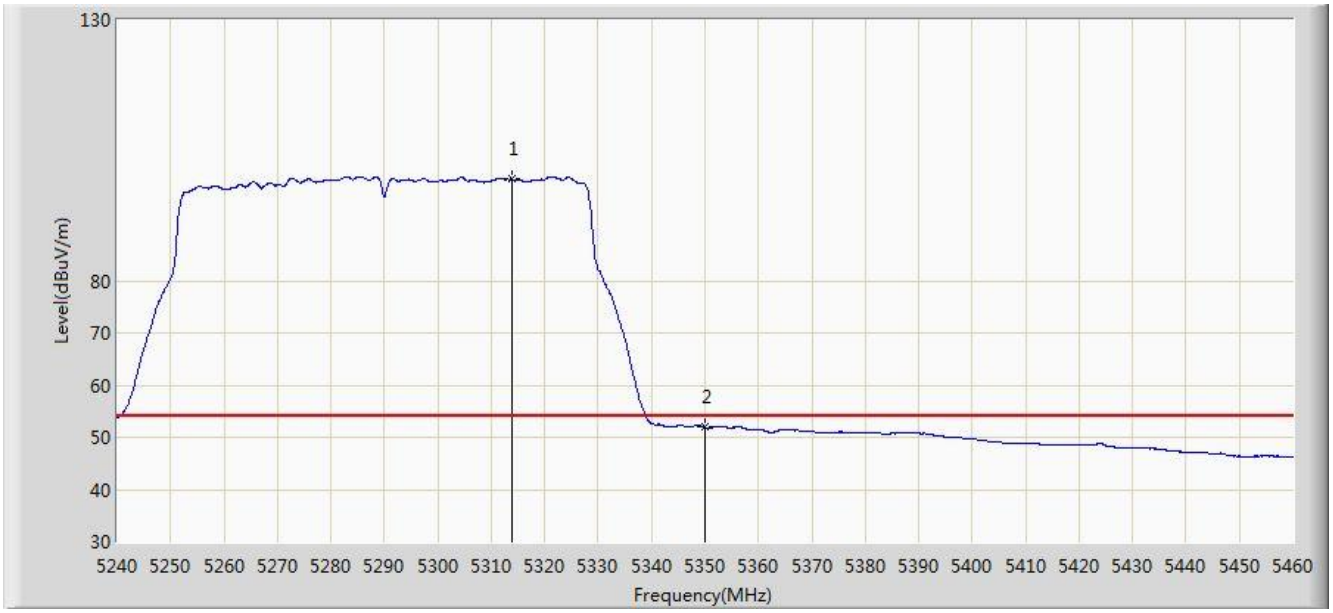


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5314.030	112.992	110.375	N/A	N/A	2.616	PK
2			5350.000	64.223	61.526	-9.777	74.000	2.697	PK
3			5357.370	66.193	63.477	-7.807	74.000	2.715	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5290MHz + 5530MHz Ant 0 + 1	

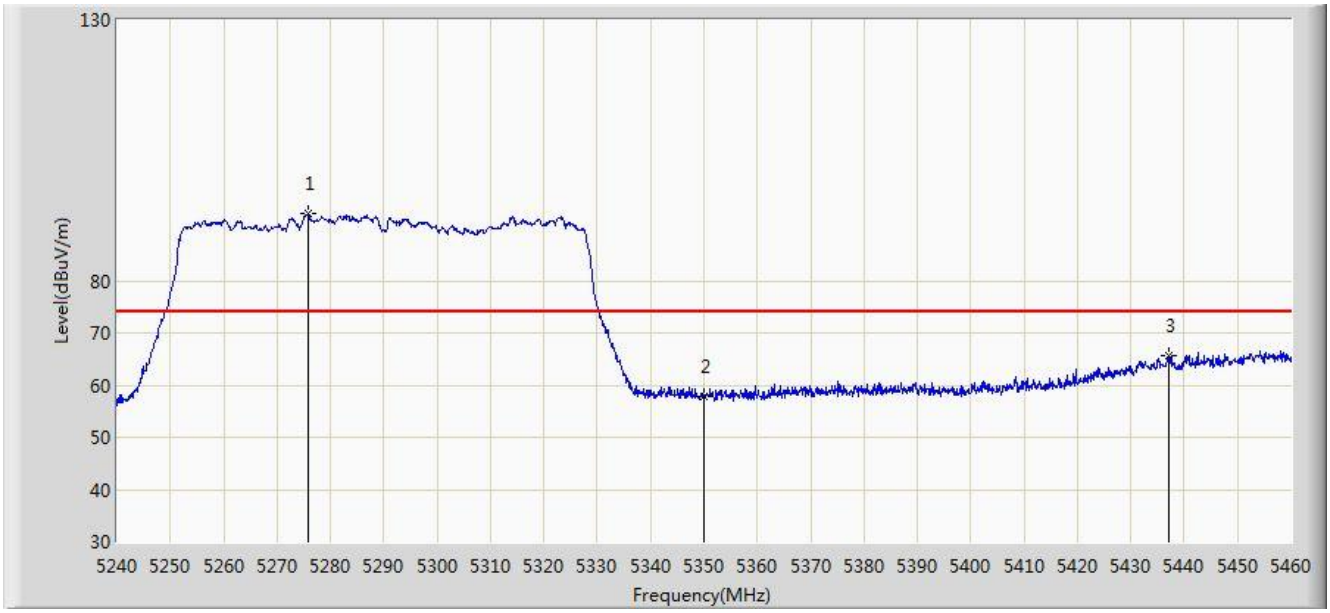


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5313.810	99.507	96.892	N/A	N/A	2.615	AV
2			5350.000	51.958	49.261	-2.042	54.000	2.697	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5290MHz + 5530MHz Ant 0 + 1	

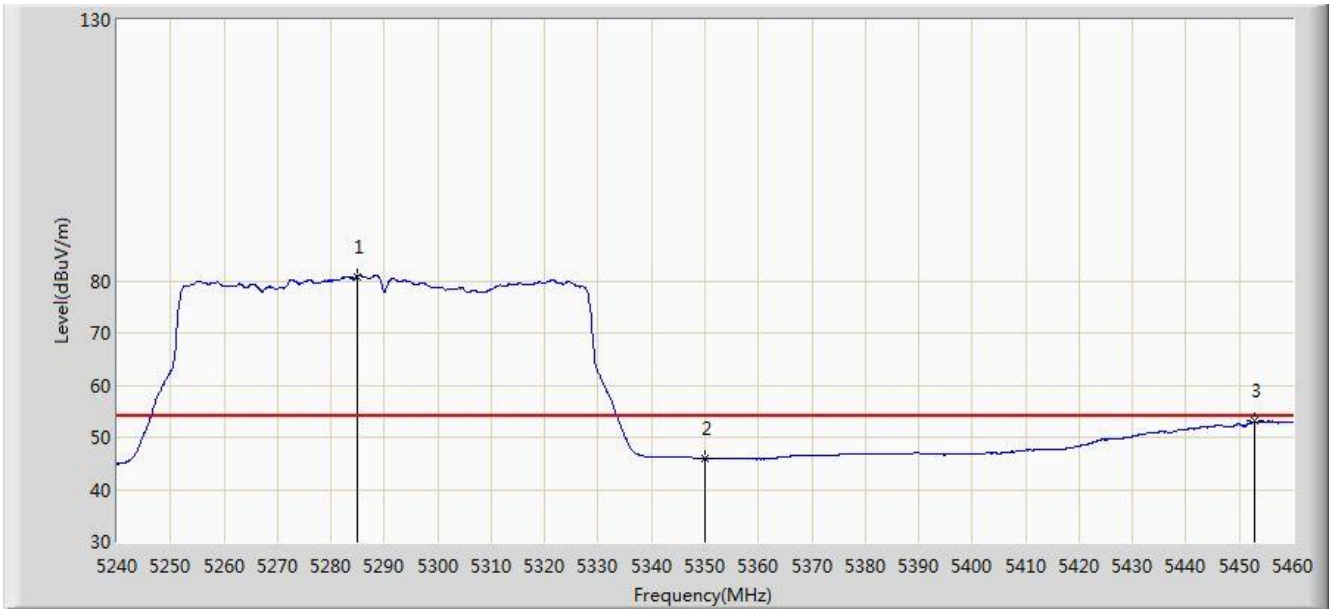


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5275.750	92.937	90.256	N/A	N/A	2.681	PK
2			5350.000	57.700	55.003	-16.300	74.000	2.697	PK
3			5437.010	65.601	62.302	-8.399	74.000	3.299	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 15:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5290MHz + 5530MHz Ant 0 + 1	

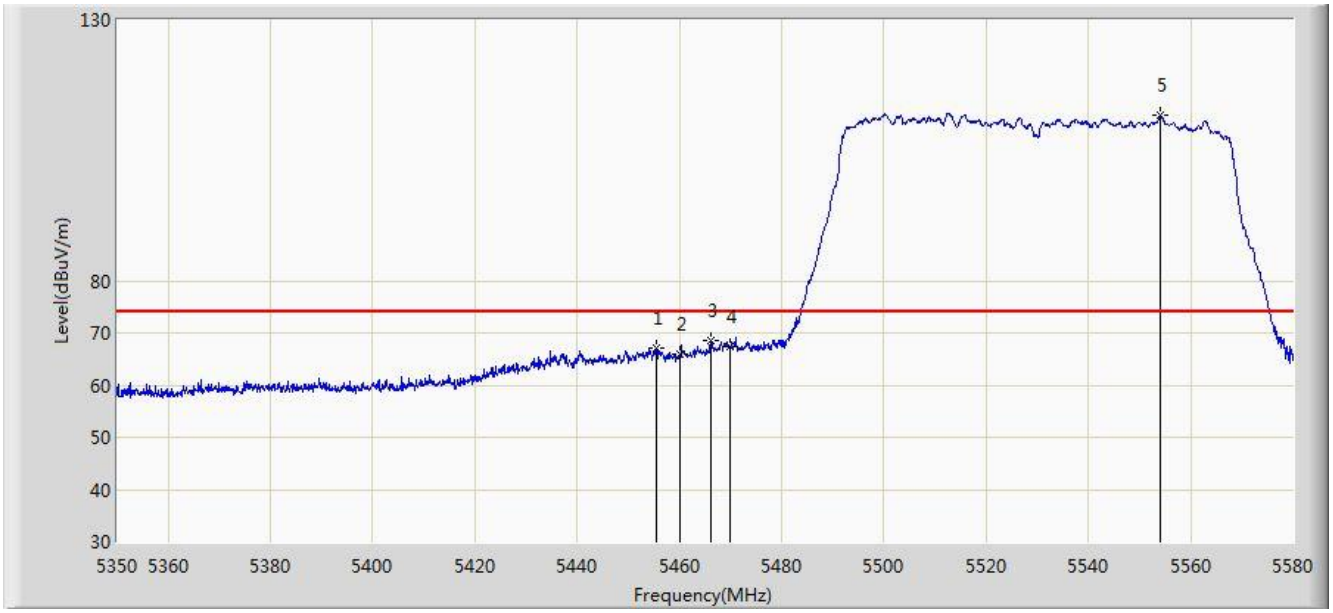


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5284.880	80.834	78.145	N/A	N/A	2.689	AV
2			5350.000	45.940	43.243	-8.060	54.000	2.697	AV
3			5452.850	53.094	50.132	-0.906	54.000	2.962	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:54
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5290MHz + 5530MHz Ant 0 + 1	

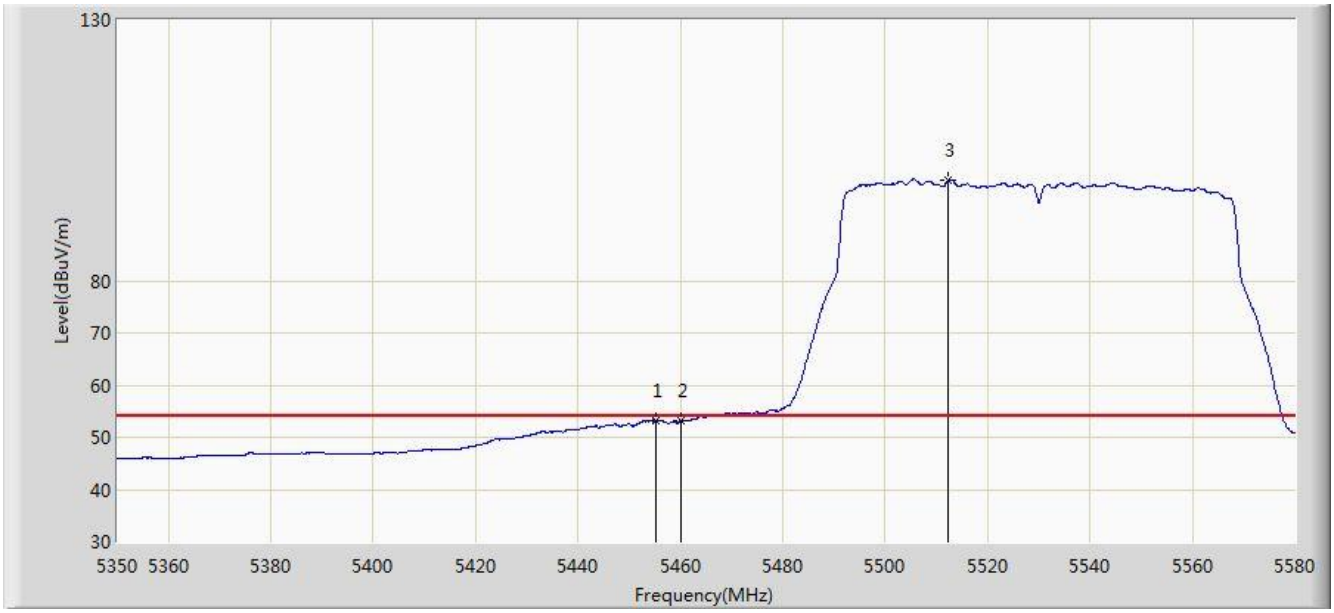


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5455.455	67.179	64.138	-6.821	74.000	3.040	PK
2			5460.000	65.814	62.621	-8.186	74.000	3.194	PK
3			5466.035	68.564	65.168	-5.436	74.000	3.396	PK
4			5470.000	67.401	63.872	-6.599	74.000	3.529	PK
5		*	5554.125	111.674	108.089	N/A	N/A	3.584	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:53
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5290MHz + 5530MHz Ant 0 + 1	

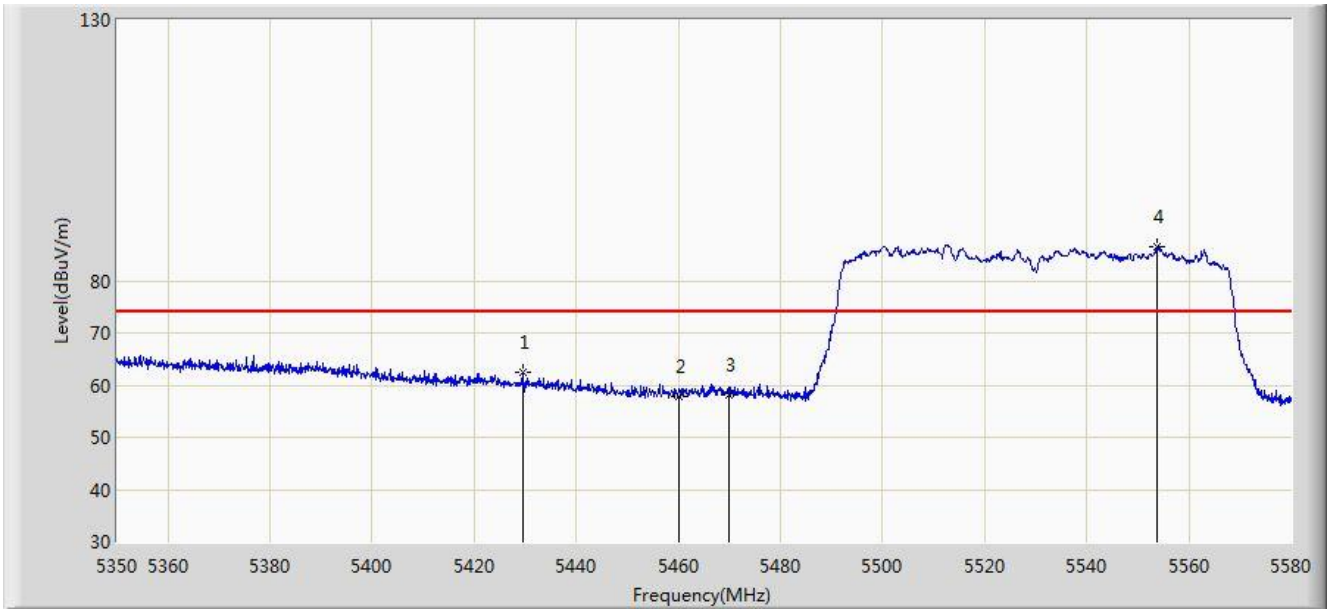


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5455.110	53.298	50.269	-0.702	54.000	3.029	AV
2			5460.000	53.057	49.864	-0.943	54.000	3.194	AV
3		*	5512.380	99.151	95.906	N/A	N/A	3.245	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5290MHz + 5530MHz Ant 0 + 1	

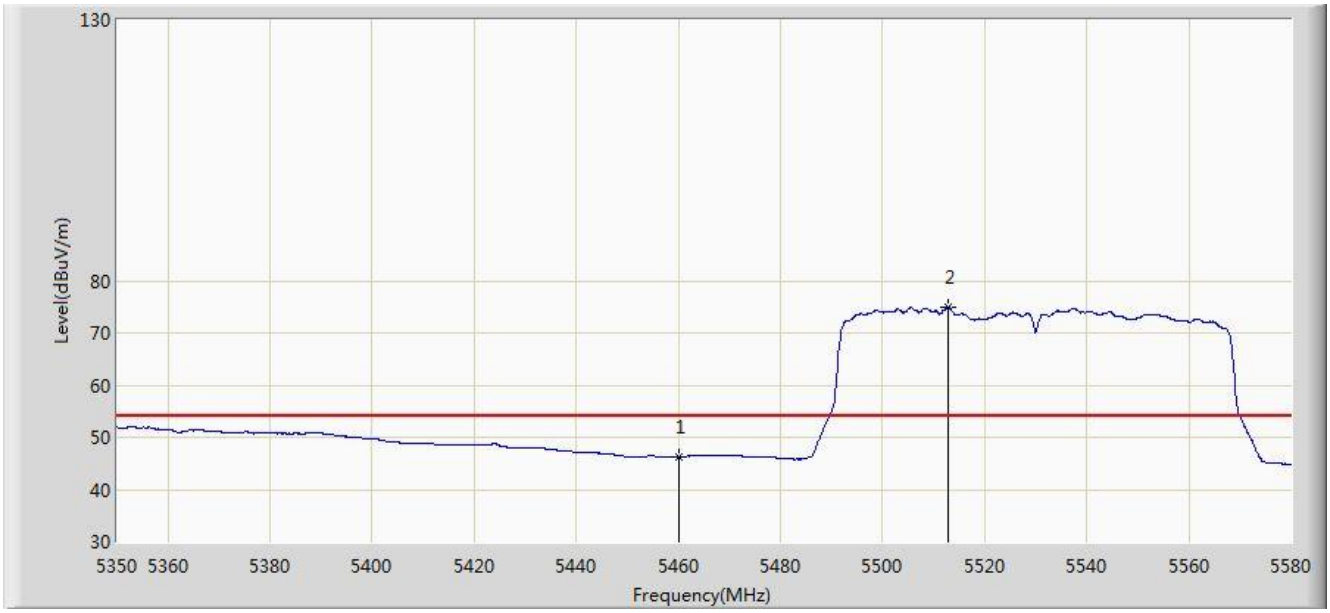


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5429.465	62.418	59.096	-11.582	74.000	3.323	PK
2			5460.000	57.765	54.572	-16.235	74.000	3.194	PK
3			5470.000	58.137	54.608	-15.863	74.000	3.529	PK
4		*	5553.895	86.486	82.905	N/A	N/A	3.580	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 14:56
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5290MHz + 5530MHz Ant 0 + 1	

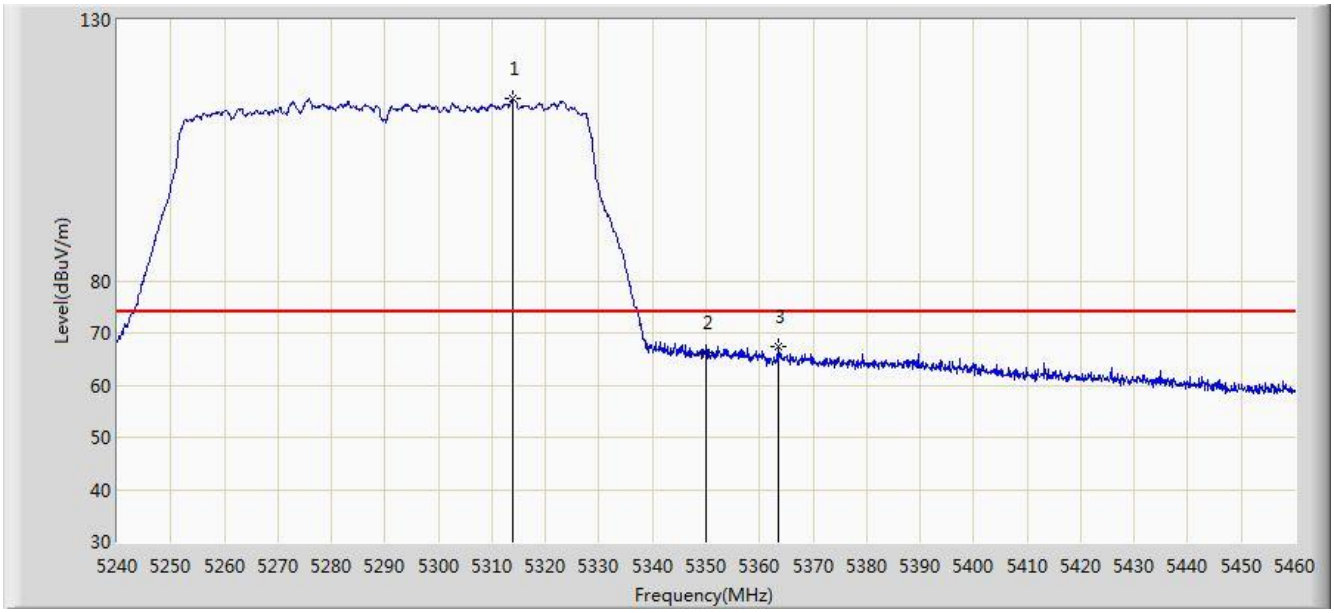


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	46.260	43.067	-7.740	54.000	3.194	AV
2		*	5512.955	74.905	71.646	N/A	N/A	3.259	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 15:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5290MHz + 5610MHz Ant 0 + 1	

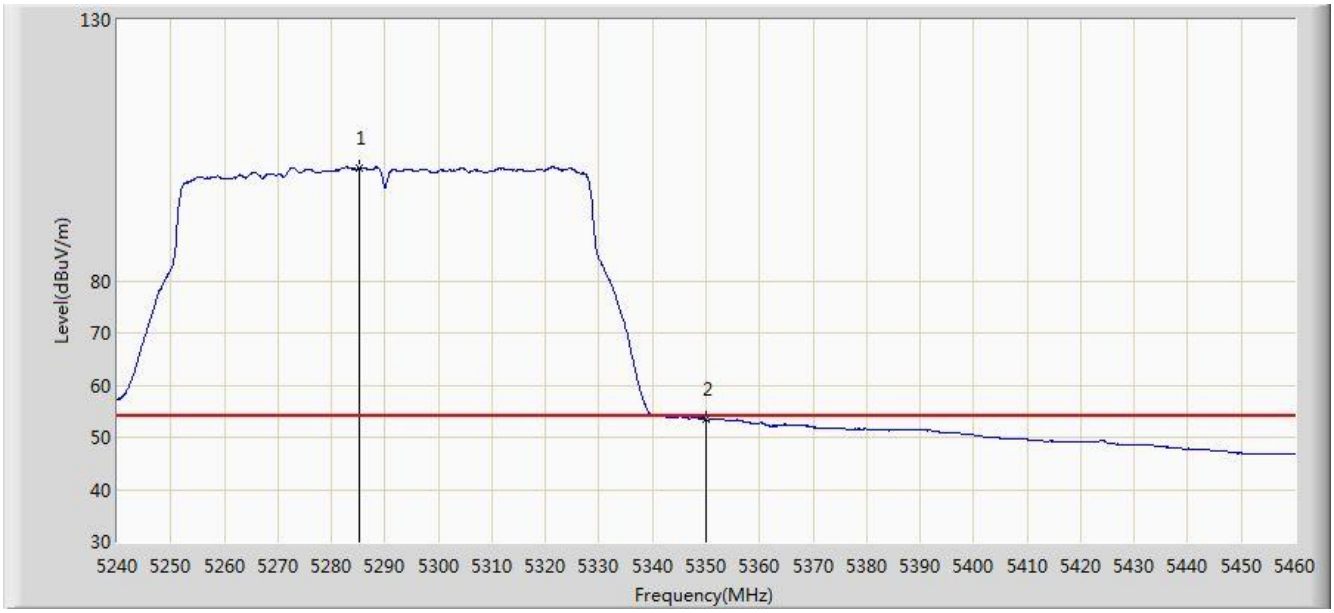


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5313.920	114.803	112.187	N/A	N/A	2.616	PK
2			5350.000	66.206	63.509	-7.794	74.000	2.697	PK
3			5363.420	67.315	64.587	-6.685	74.000	2.728	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 15:04
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5290MHz + 5610MHz Ant 0 + 1	

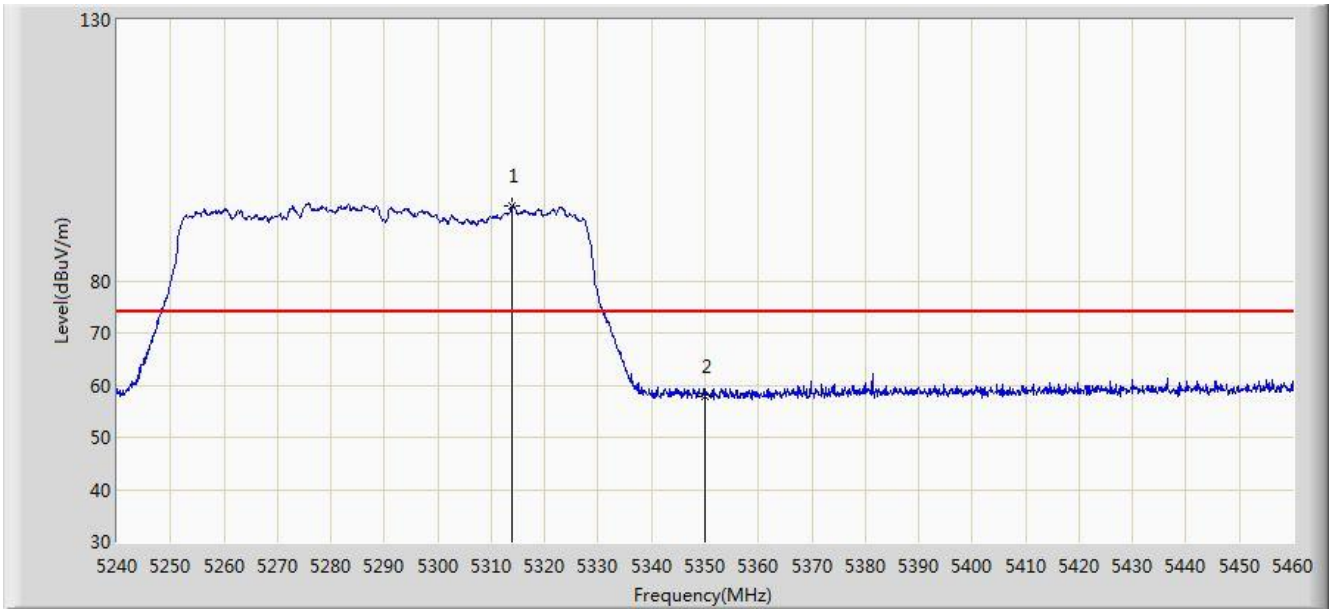


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5285.100	101.605	98.917	N/A	N/A	2.689	AV
2			5350.000	53.399	50.702	-0.601	54.000	2.697	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 15:05
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5290MHz + 5610MHz Ant 0 + 1	

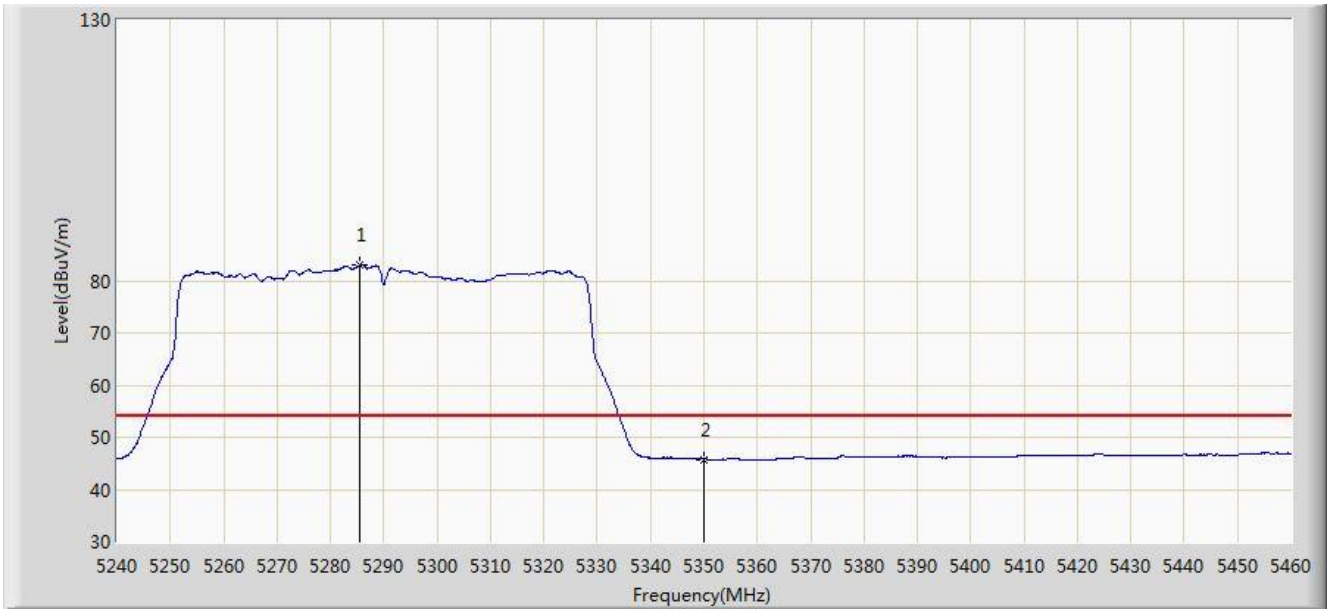


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5313.920	94.455	91.839	N/A	N/A	2.616	PK
2			5350.000	57.885	55.188	-16.115	74.000	2.697	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 15:08
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5290MHz + 5610MHz Ant 0 + 1	

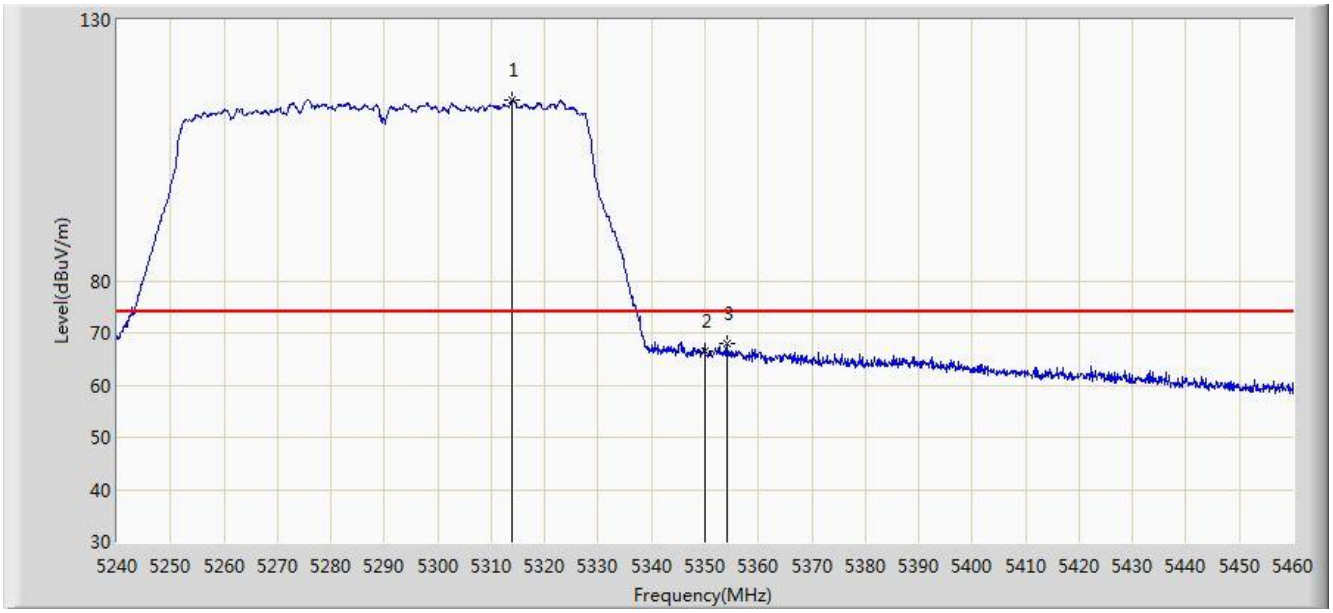


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5285.540	83.040	80.353	N/A	N/A	2.687	AV
2			5350.000	45.769	43.072	-8.231	54.000	2.697	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 15:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5290MHz + 5690MHz Ant 0 + 1	

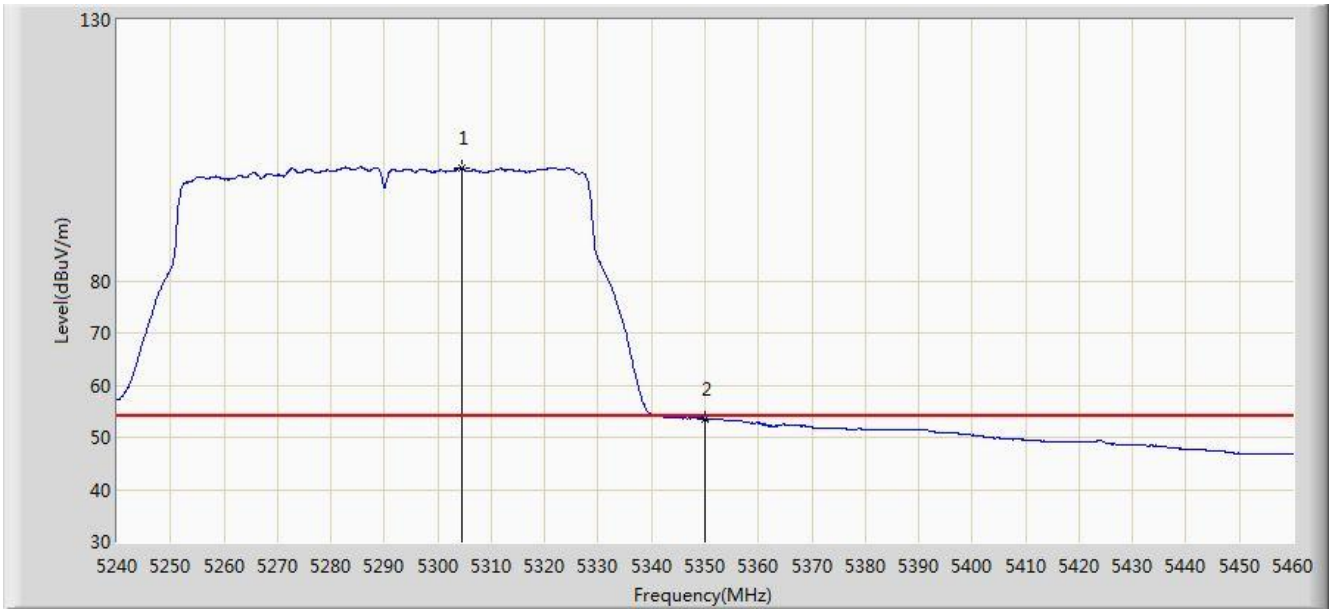


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5313.920	114.763	112.147	N/A	N/A	2.616	PK
2			5350.000	66.419	63.722	-7.581	74.000	2.697	PK
3			5354.070	68.060	65.351	-5.940	74.000	2.709	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 15:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5290MHz + 5690MHz Ant 0 + 1	

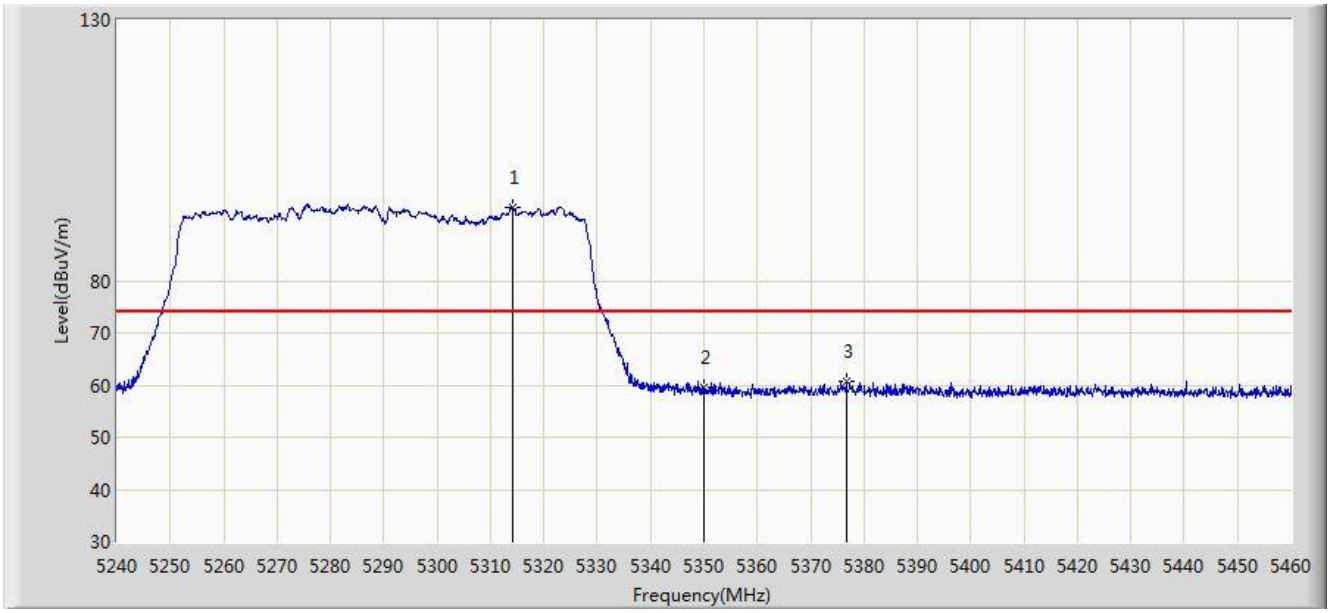


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5304.570	101.639	99.025	N/A	N/A	2.614	AV
2			5350.000	53.477	50.780	-0.523	54.000	2.697	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 15:12
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5290MHz + 5690MHz Ant 0 + 1	

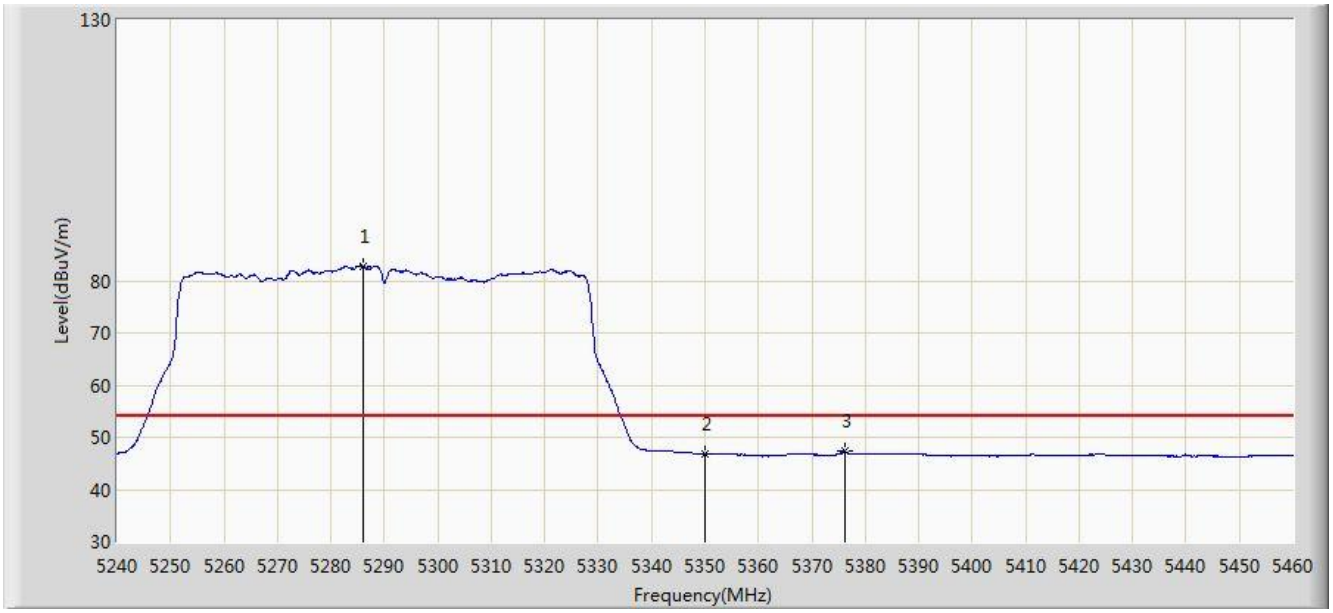


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5314.140	94.147	91.529	N/A	N/A	2.618	PK
2			5350.000	59.683	56.986	-14.317	74.000	2.697	PK
3			5376.620	60.659	57.653	-13.341	74.000	3.007	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 15:14
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5290MHz + 5690MHz Ant 0 + 1	

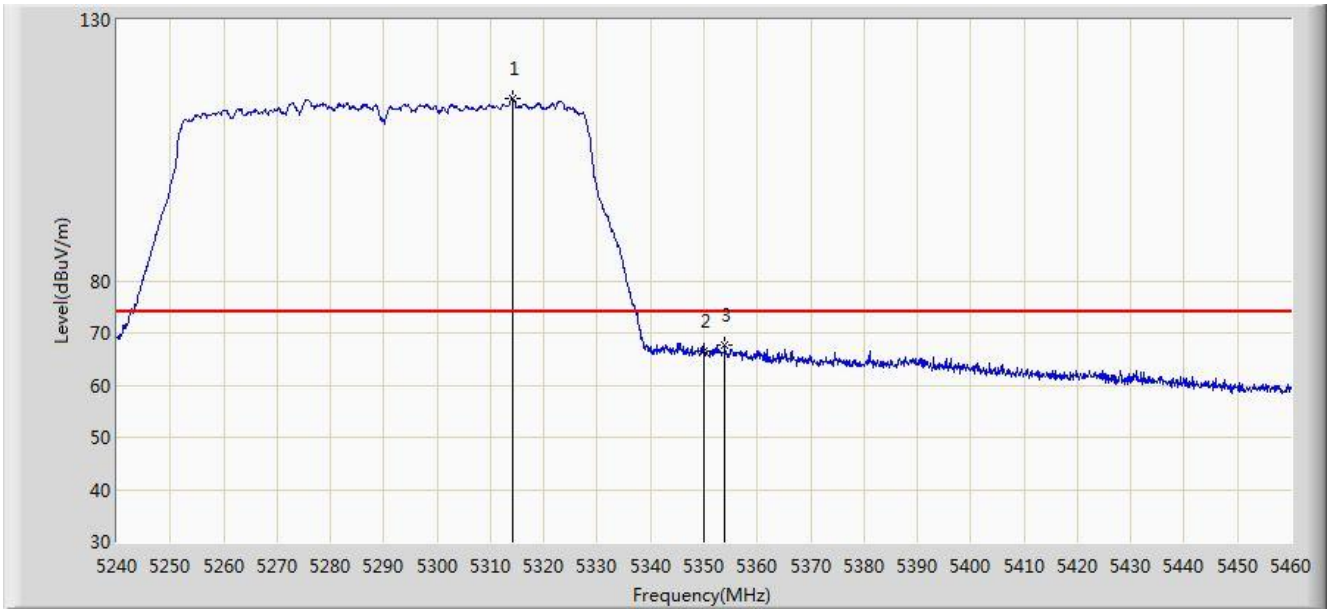


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5286.090	82.843	80.158	N/A	N/A	2.685	AV
2			5350.000	46.751	44.054	-7.249	54.000	2.697	AV
3			5376.070	47.331	44.340	-6.669	54.000	2.991	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 15:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5290MHz + 5775MHz Ant 0 + 1	

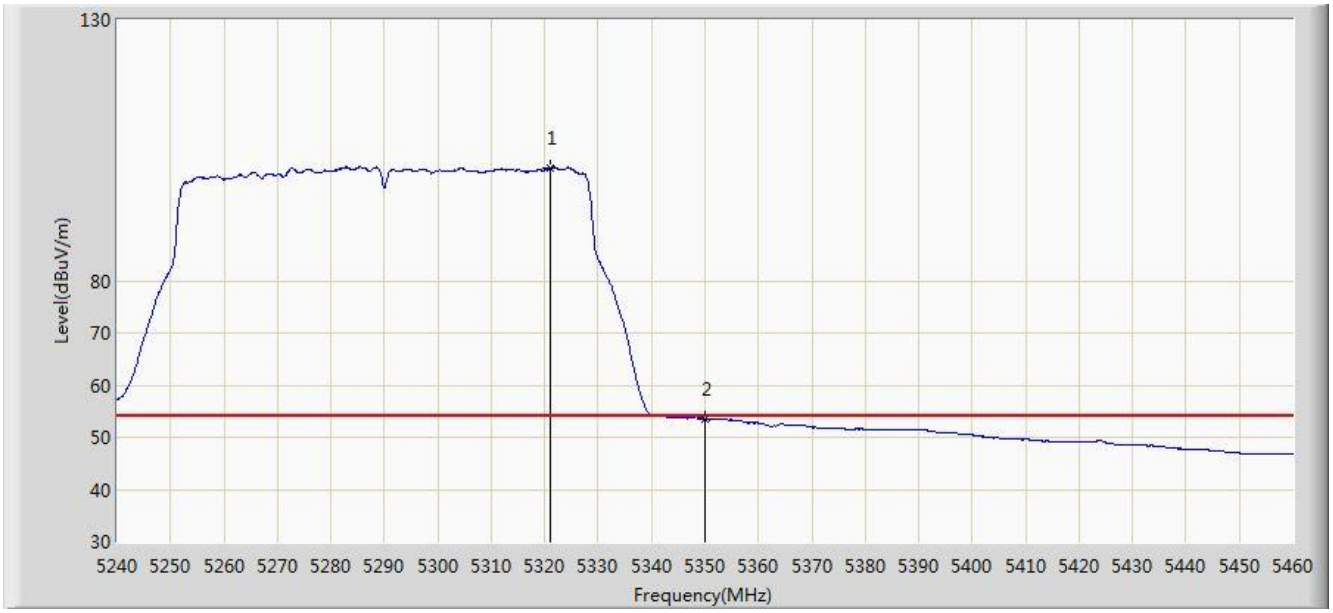


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5314.030	114.957	112.340	N/A	N/A	2.616	PK
2			5350.000	66.643	63.946	-7.357	74.000	2.697	PK
3			5353.960	67.548	64.839	-6.452	74.000	2.708	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 15:15
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5290MHz + 5775MHz Ant 0 + 1	

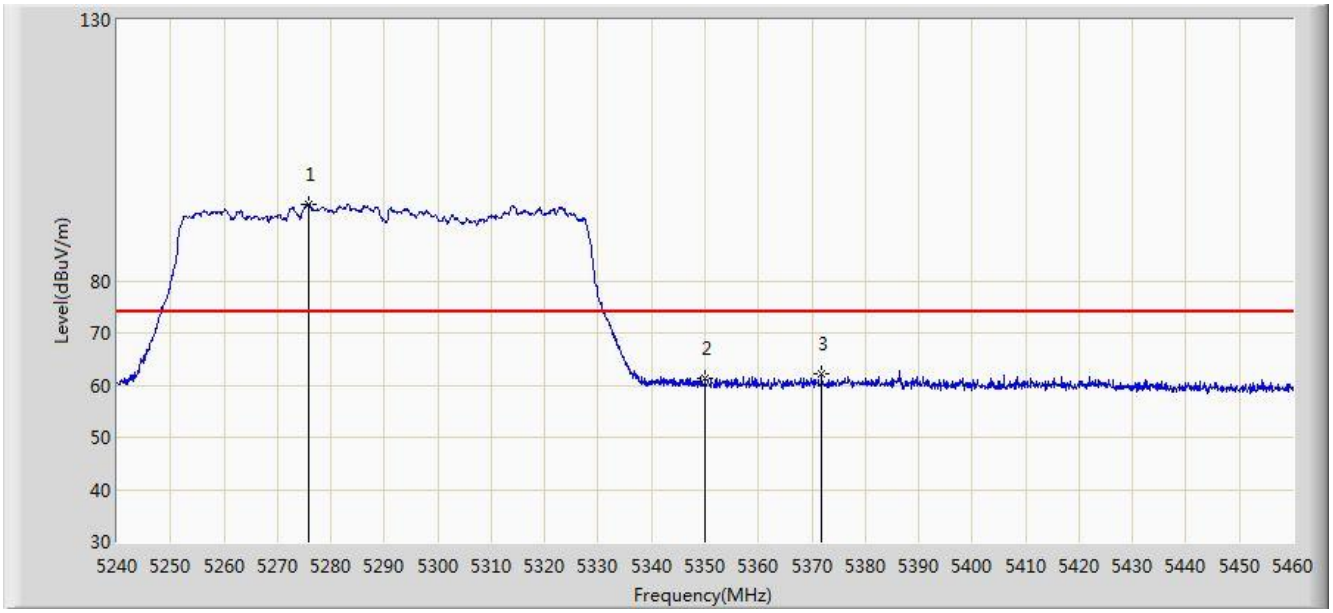


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5320.960	101.589	98.923	N/A	N/A	2.665	AV
2			5350.000	53.484	50.787	-0.516	54.000	2.697	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 15:18
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5290MHz + 5775MHz Ant 0 + 1	

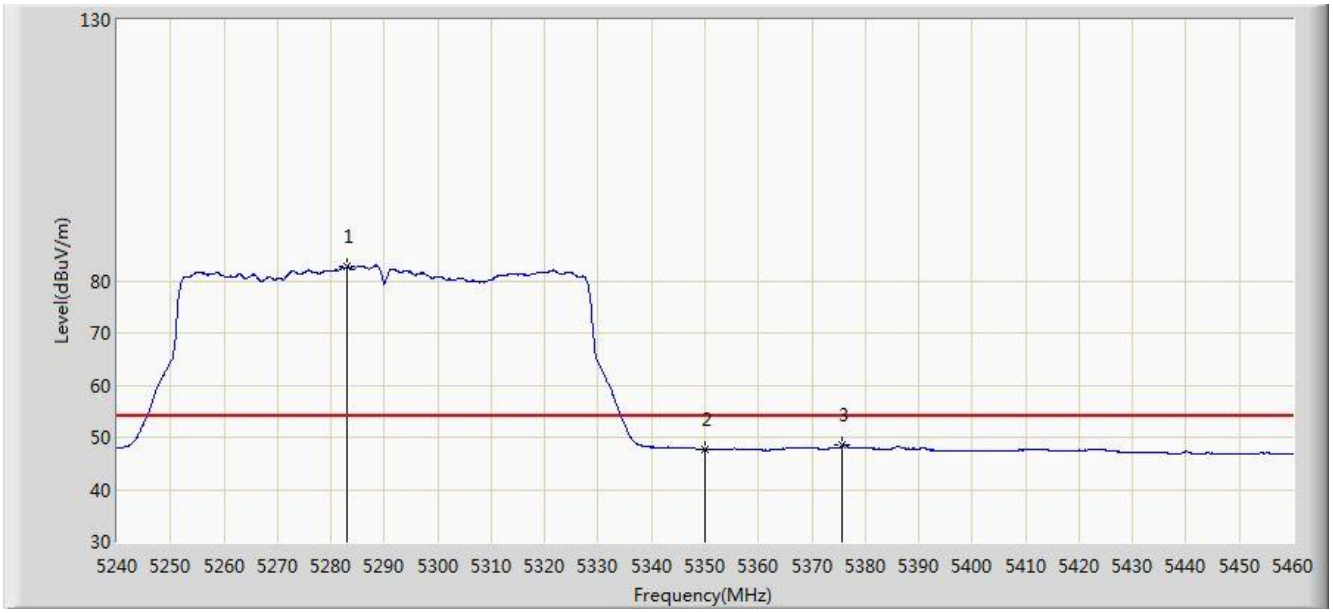


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5275.860	94.612	91.931	N/A	N/A	2.682	PK
2			5350.000	61.185	58.488	-12.815	74.000	2.697	PK
3			5371.780	62.274	59.401	-11.726	74.000	2.873	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 15:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5290MHz + 5775MHz Ant 0 + 1	

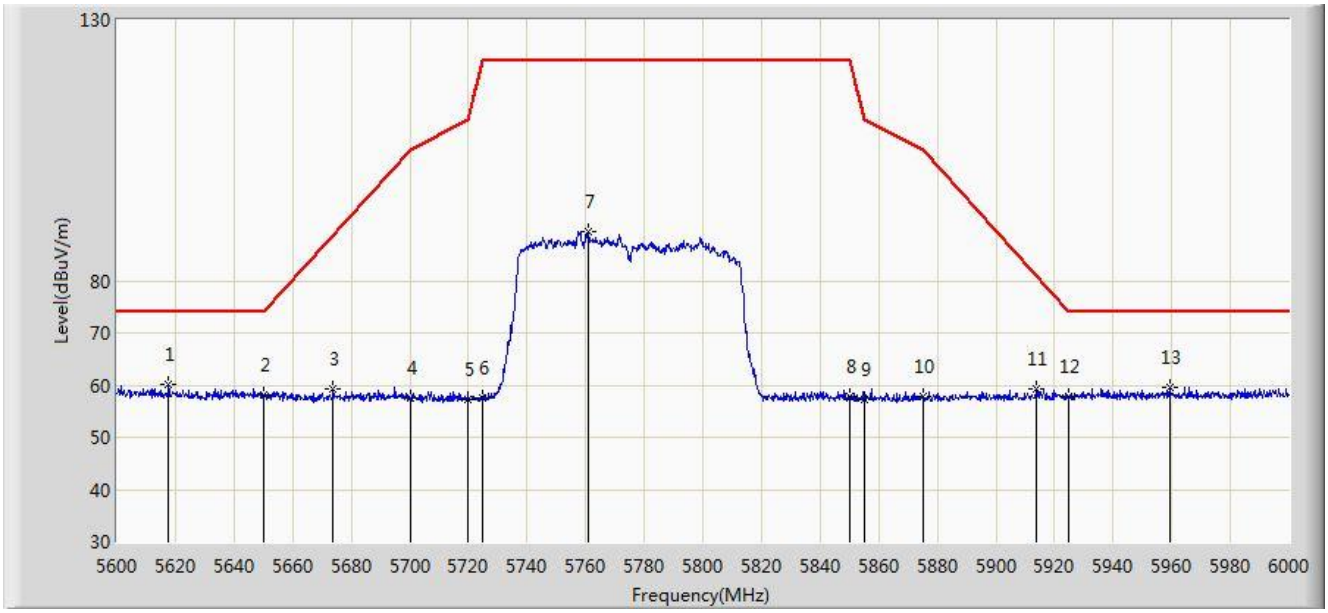


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5283.010	82.648	79.958	N/A	N/A	2.691	AV
2			5350.000	47.663	44.966	-6.337	54.000	2.697	AV
3			5375.740	48.530	45.548	-5.470	54.000	2.982	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 15:22
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5290MHz + 5775MHz Ant 0 + 1	

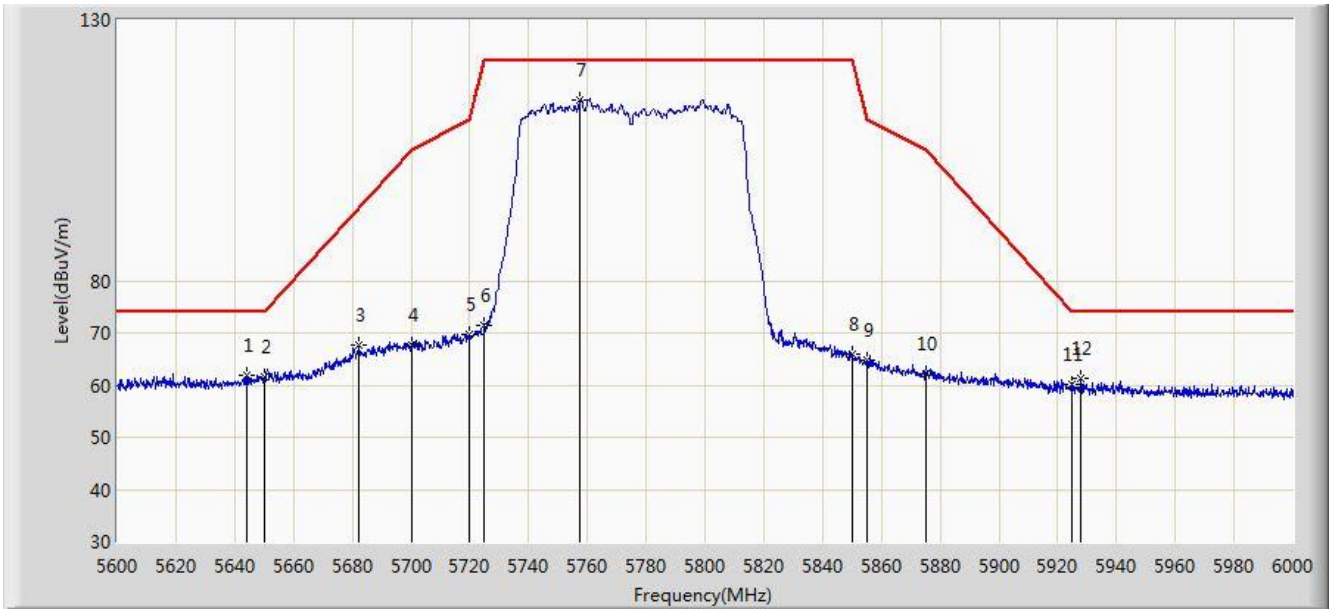


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5617.600	60.090	56.450	-13.910	74.000	3.639	PK
2			5650.000	58.210	54.407	-15.790	74.000	3.803	PK
3			5673.800	59.413	55.575	-29.472	88.885	3.838	PK
4			5700.000	57.643	53.703	-47.557	105.200	3.940	PK
5			5720.000	57.242	53.260	-53.558	110.800	3.982	PK
6			5725.000	57.433	53.327	-64.767	122.200	4.105	PK
7			5760.800	89.320	84.880	N/A	N/A	4.440	PK
8			5850.000	57.790	52.795	-64.410	122.200	4.995	PK
9			5855.000	57.246	52.258	-53.554	110.800	4.987	PK
10			5875.000	57.844	52.837	-47.356	105.200	5.008	PK
11			5914.000	59.401	54.232	-21.441	80.841	5.168	PK
12			5925.000	57.731	52.579	-16.269	74.000	5.152	PK
13			5959.200	59.642	54.280	-14.358	74.000	5.361	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 15:20
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5290MHz + 5775MHz Ant 0 + 1	



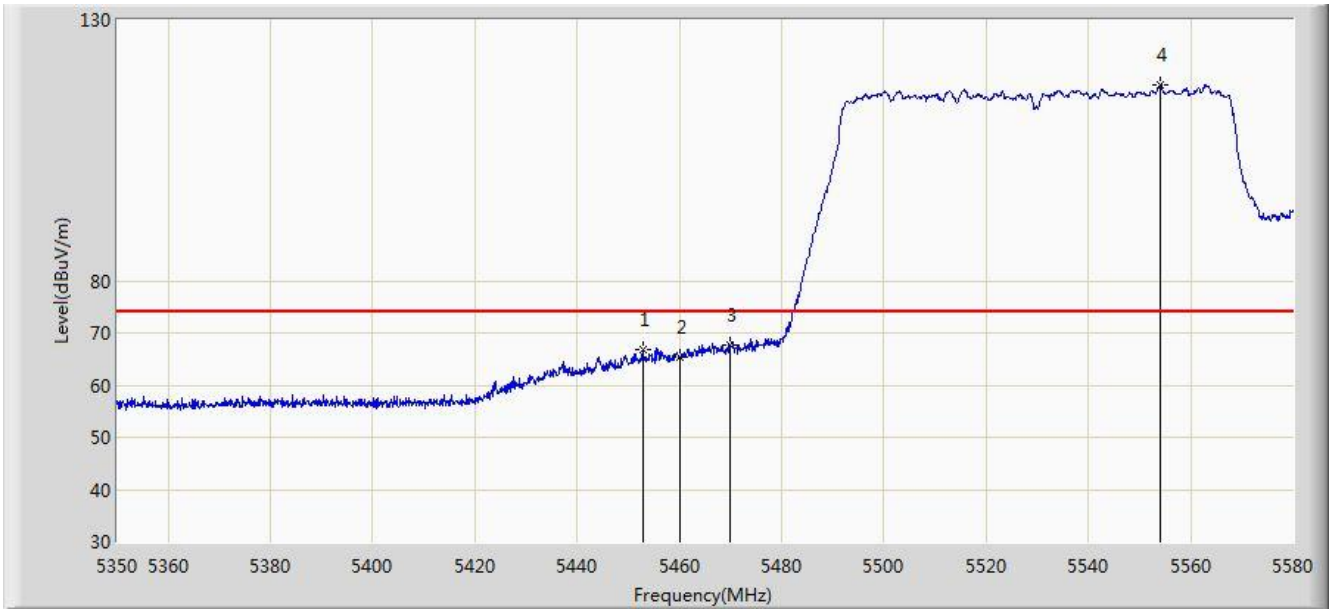
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5644.200	61.853	57.949	-12.147	74.000	3.903	PK
2			5650.000	61.474	57.671	-12.526	74.000	3.803	PK
3			5682.200	67.806	63.792	-26.318	94.124	4.014	PK
4			5700.000	67.668	63.728	-37.532	105.200	3.940	PK
5			5720.000	69.655	65.673	-41.145	110.800	3.982	PK
6			5725.000	71.359	67.253	-50.841	122.200	4.105	PK
7		*	5757.400	114.684	110.289	N/A	N/A	4.395	PK
8			5850.000	65.836	60.841	-56.364	122.200	4.995	PK
9			5855.000	64.862	59.874	-45.938	110.800	4.987	PK
10			5875.000	62.176	57.169	-43.024	105.200	5.008	PK
11			5925.000	60.057	54.905	-13.943	74.000	5.152	PK
12			5928.000	61.295	56.116	-12.705	74.000	5.179	PK

Note: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 15:50

Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5530MHz + 5610MHz Ant 0 + 1	

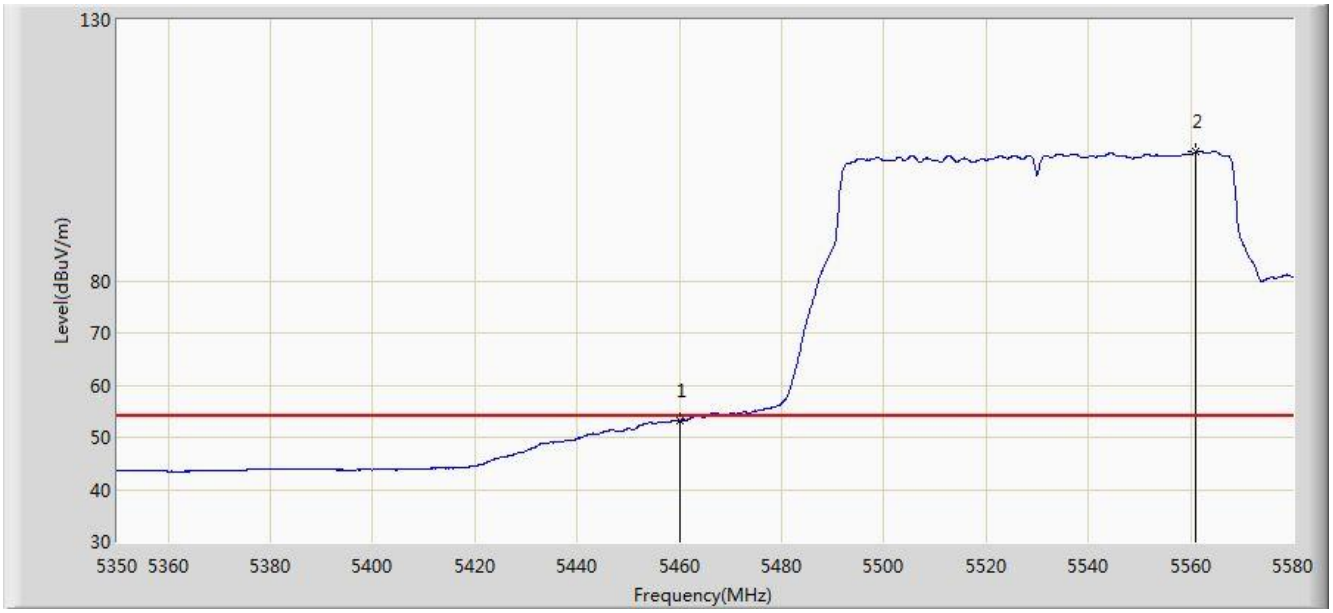


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5452.810	66.751	63.790	-7.249	74.000	2.960	PK
2			5460.000	65.431	62.238	-8.569	74.000	3.194	PK
3			5470.000	67.792	64.263	-6.208	74.000	3.529	PK
4		*	5554.010	117.425	113.842	N/A	N/A	3.583	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 15:49
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5530MHz + 5610MHz Ant 0 + 1	

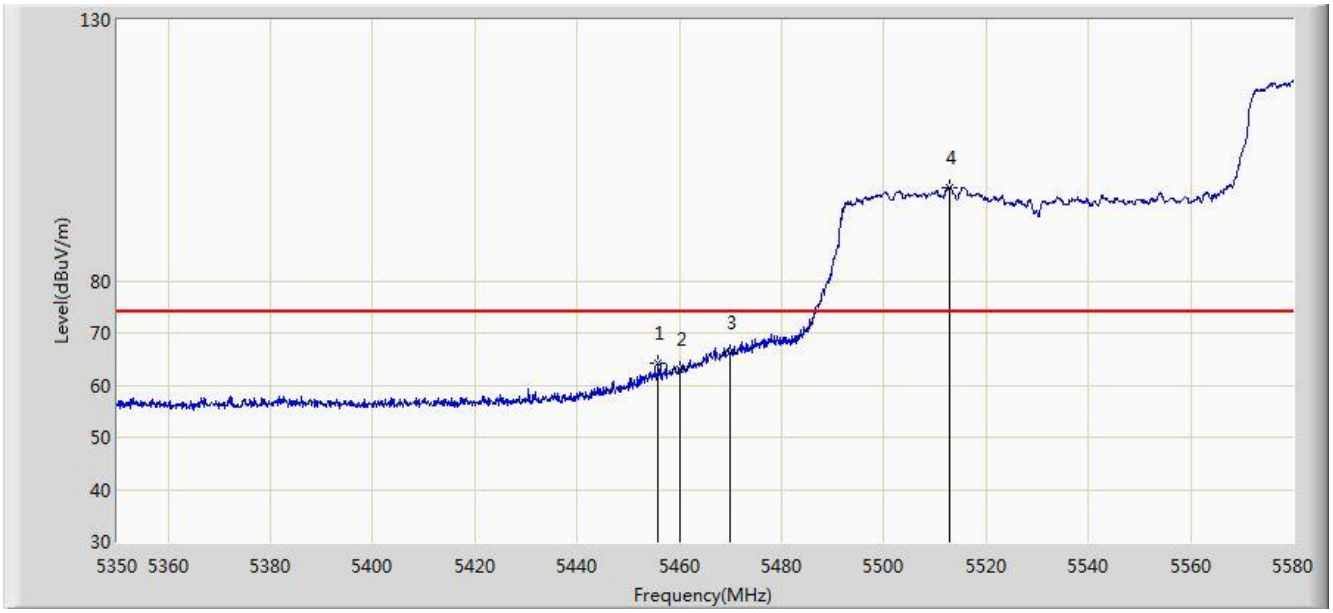


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	53.132	49.939	-0.868	54.000	3.194	AV
2		*	5561.025	104.726	101.179	N/A	N/A	3.546	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 15:51
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5530MHz + 5610MHz Ant 0 + 1	

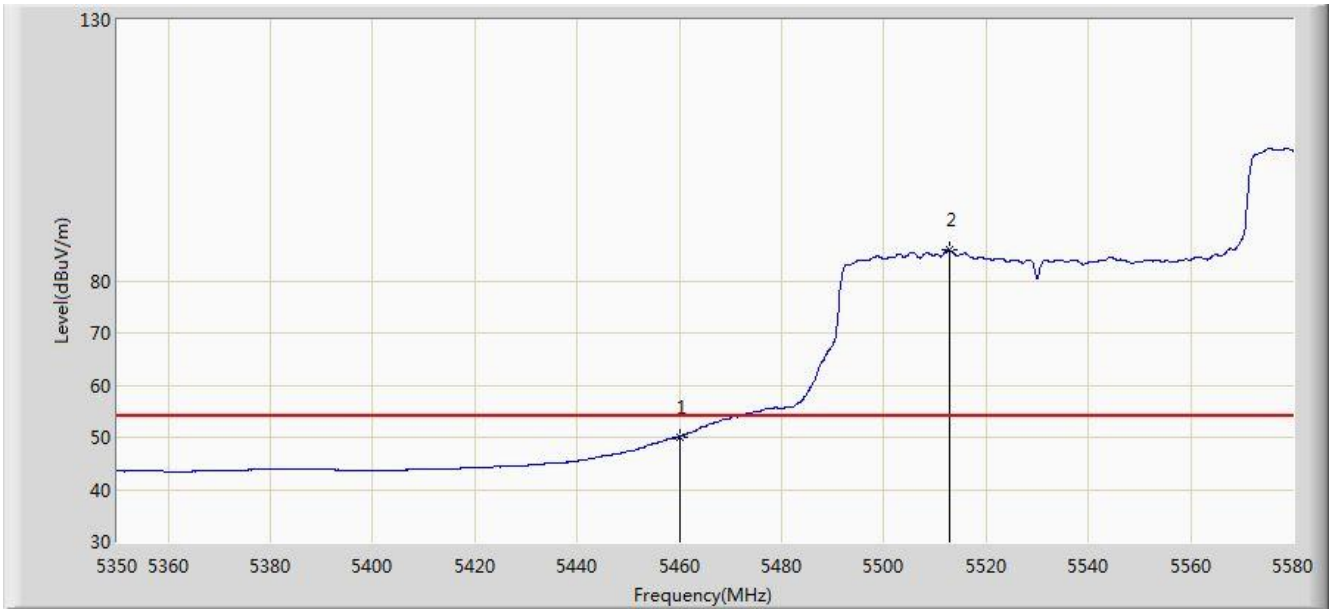


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5455.915	64.262	61.206	-9.738	74.000	3.056	PK
2			5460.000	62.973	59.780	-11.027	74.000	3.194	PK
3			5470.000	66.202	62.673	-7.798	74.000	3.529	PK
4		*	5512.955	97.944	94.685	N/A	N/A	3.259	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 15:55
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5530MHz + 5610MHz Ant 0 + 1	

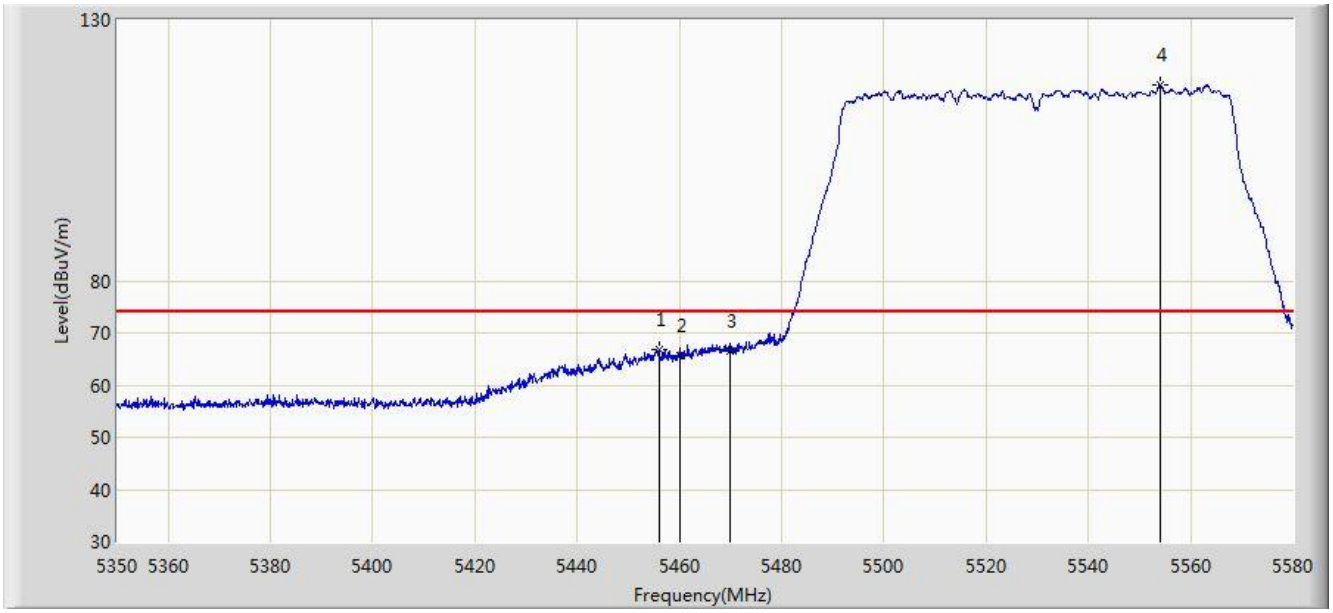


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.115	46.922	-3.885	54.000	3.194	AV
2		*	5512.955	85.847	82.588	N/A	N/A	3.259	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 15:57
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5530MHz + 5690MHz Ant 0 + 1	

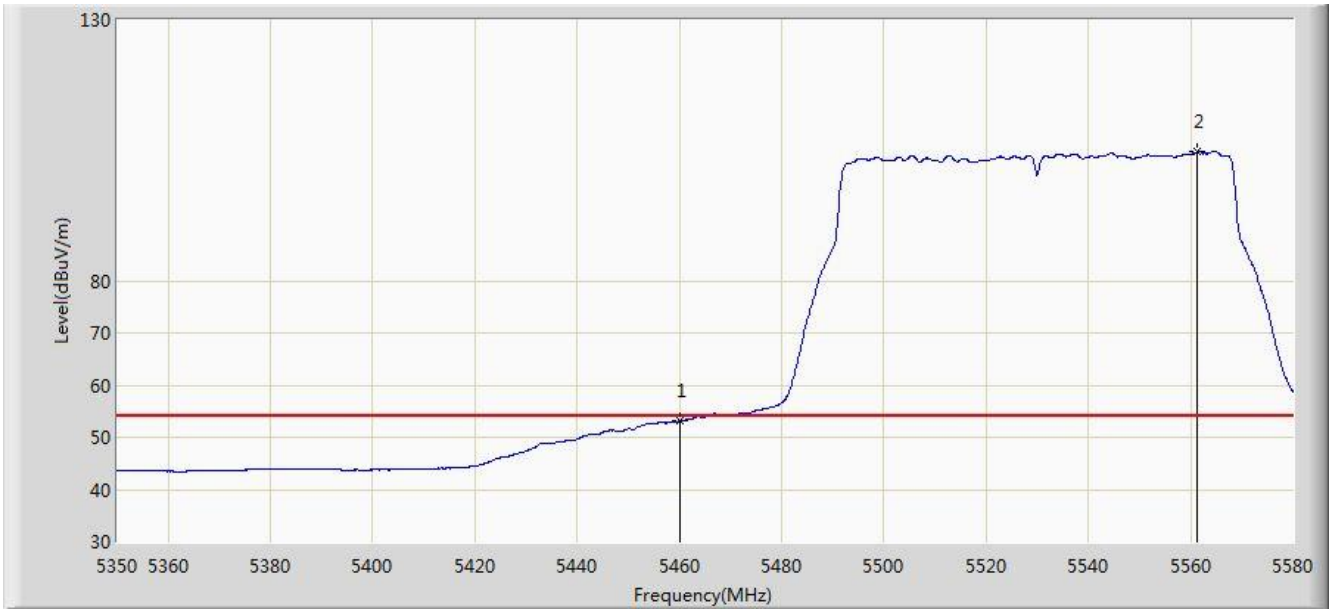


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5456.030	66.844	63.784	-7.156	74.000	3.060	PK
2			5460.000	65.762	62.569	-8.238	74.000	3.194	PK
3			5470.000	66.559	63.030	-7.441	74.000	3.529	PK
4		*	5554.125	117.491	113.906	N/A	N/A	3.584	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 15:58
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5530MHz + 5690MHz Ant 0 + 1	

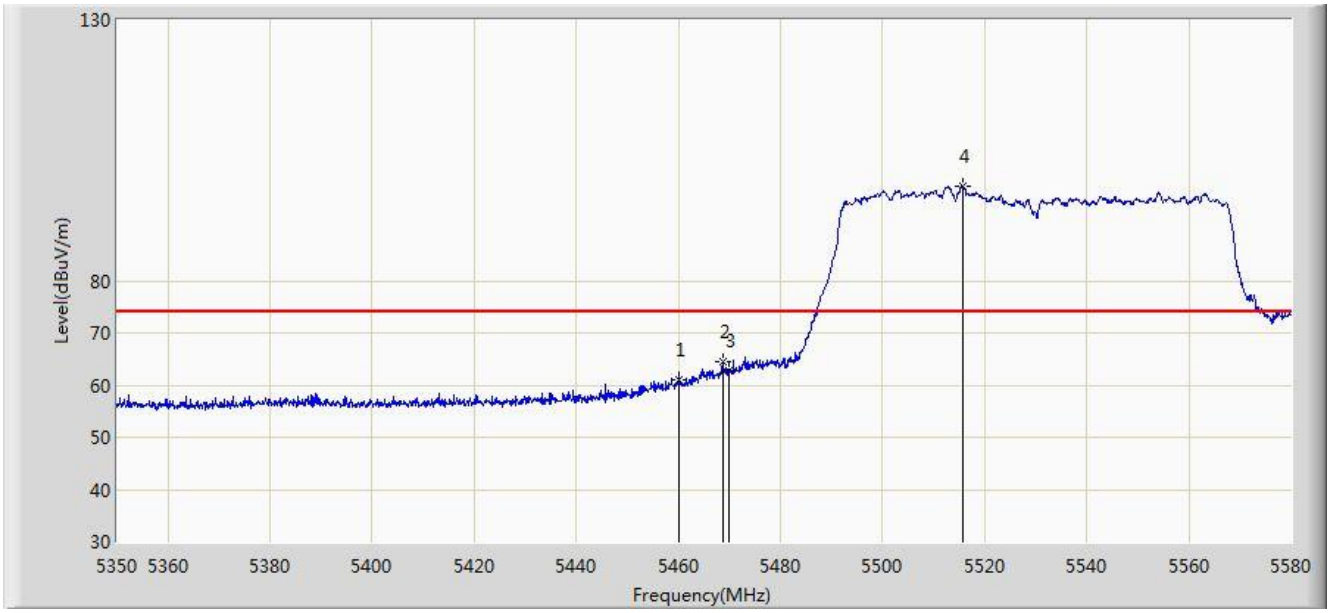


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	53.064	49.871	-0.936	54.000	3.194	AV
2		*	5561.255	104.711	101.169	N/A	N/A	3.542	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 15:59
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5530MHz + 5690MHz Ant 0 + 1	

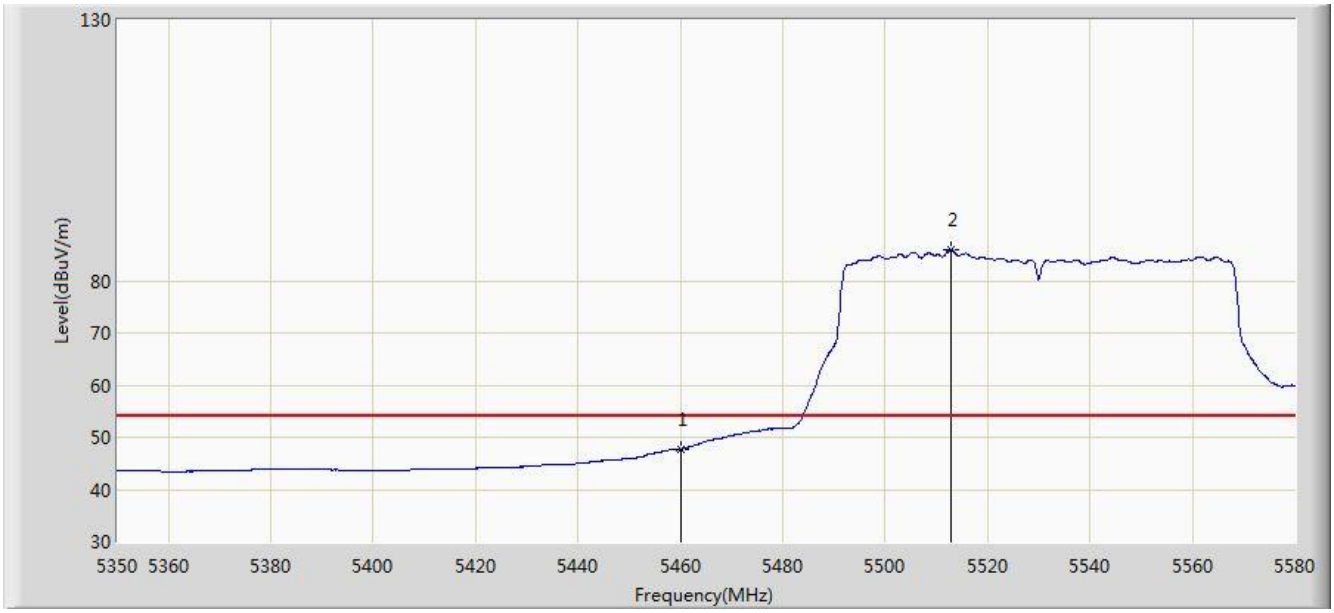


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	60.981	57.788	-13.019	74.000	3.194	PK
2			5468.680	64.515	61.030	-9.485	74.000	3.484	PK
3			5470.000	62.864	59.335	-11.136	74.000	3.529	PK
4		*	5515.830	98.047	94.718	N/A	N/A	3.330	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 16:00
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5530MHz + 5690MHz Ant 0 + 1	

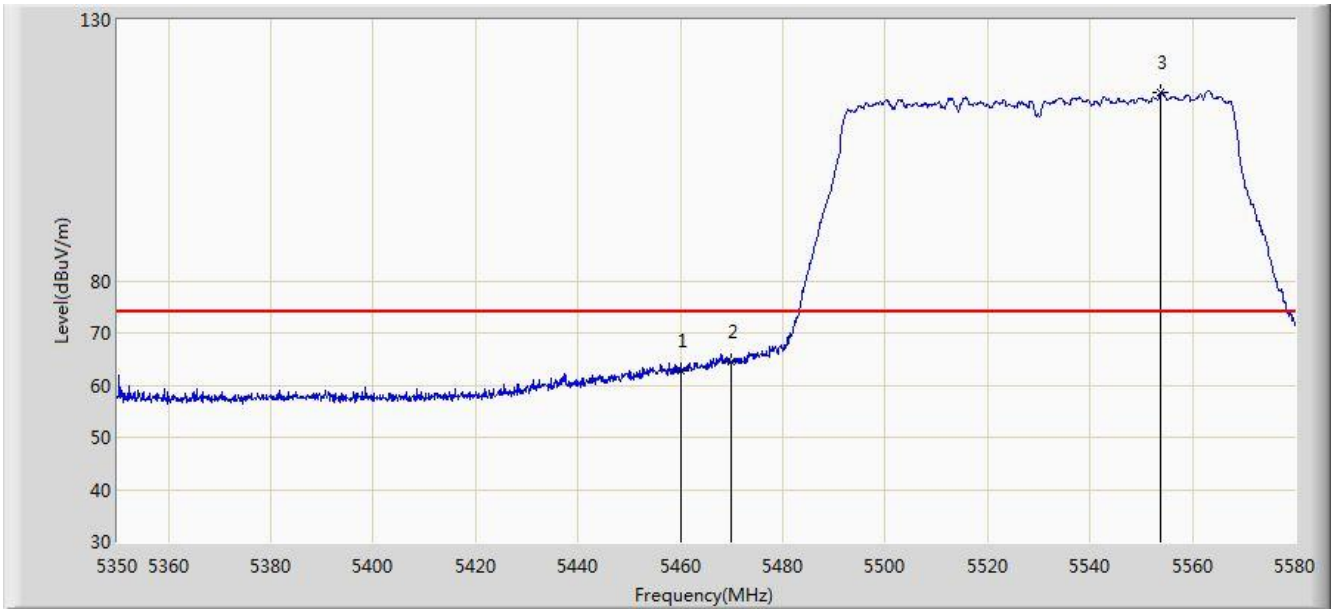


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	47.741	44.548	-6.259	54.000	3.194	AV
2		*	5512.955	85.864	82.605	N/A	N/A	3.259	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 16:18
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5530MHz + 5775MHz Ant 0 + 1	

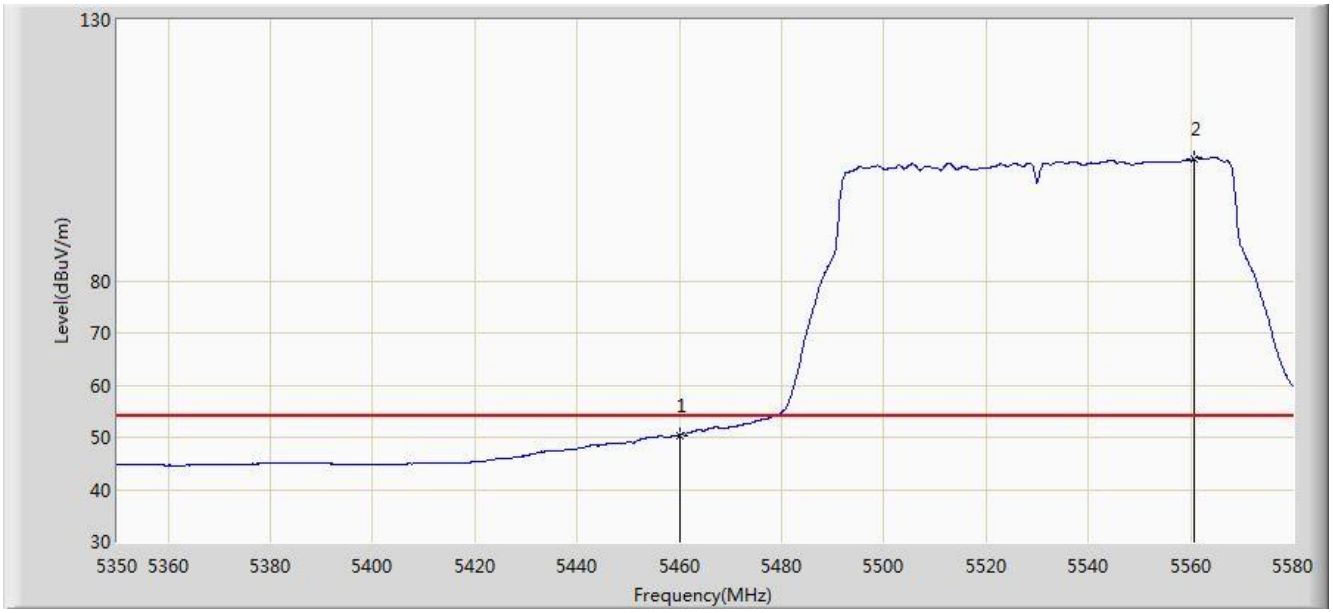


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	62.734	59.541	-11.266	74.000	3.194	PK
2			5470.000	64.533	61.004	-9.467	74.000	3.529	PK
3		*	5553.895	116.225	112.644	N/A	N/A	3.580	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 16:20
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5530MHz + 5775MHz Ant 0 + 1	

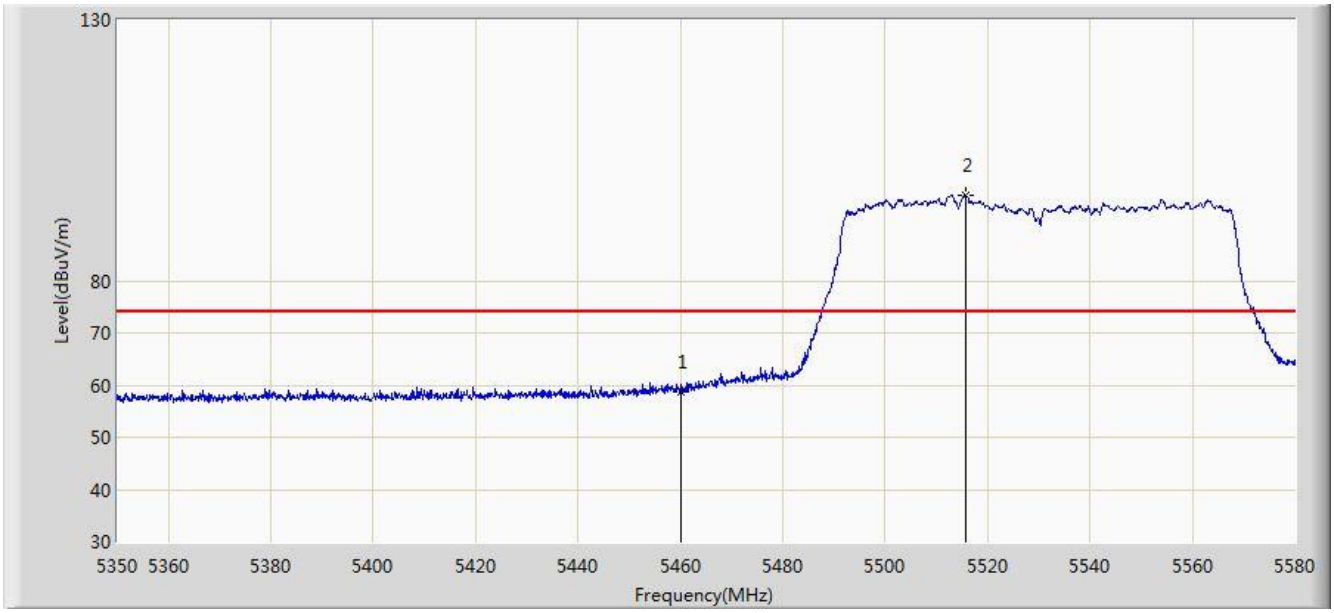


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	50.385	47.192	-3.615	54.000	3.194	AV
2		*	5560.795	103.473	99.921	N/A	N/A	3.551	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 16:21
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5530MHz + 5775MHz Ant 0 + 1	

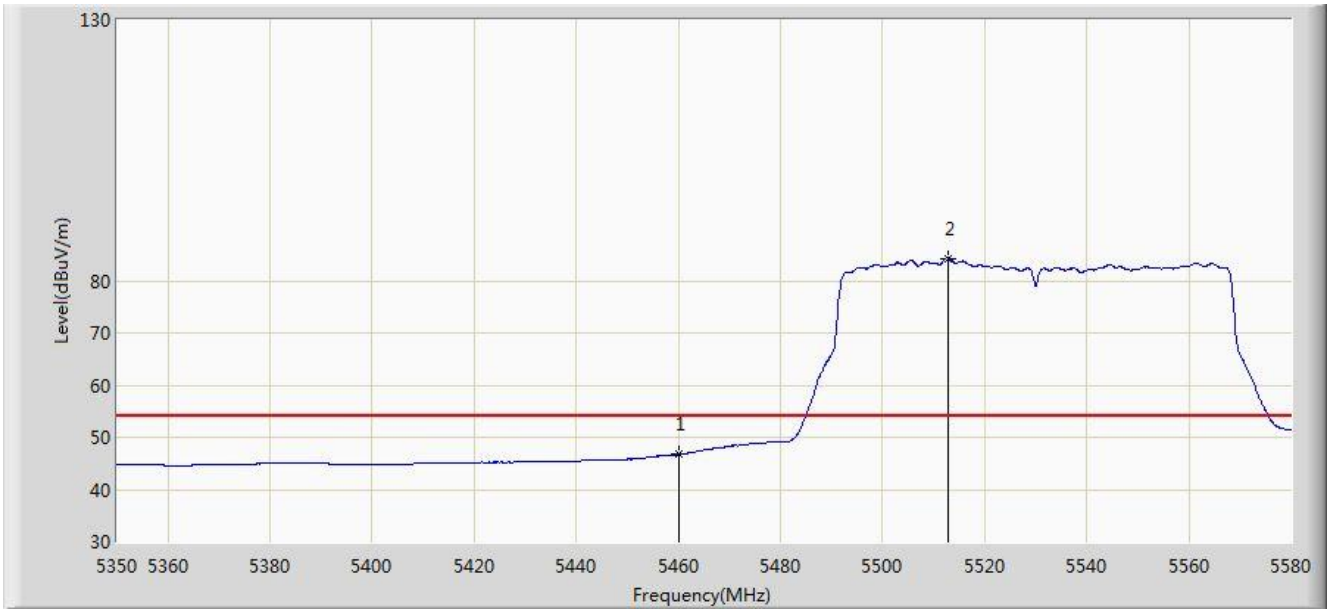


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	58.781	55.588	-15.219	74.000	3.194	PK
2		*	5515.830	96.361	93.032	N/A	N/A	3.330	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 16:23
Limit: FCC_Part15.209_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5530MHz + 5775MHz Ant 0 + 1	

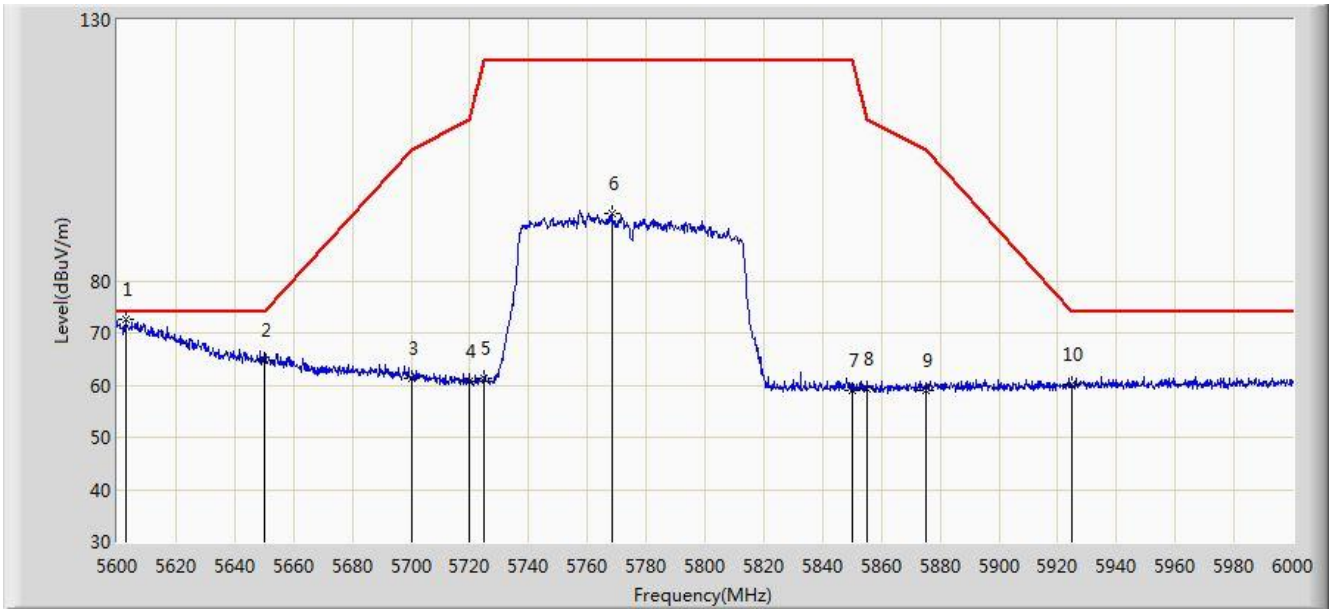


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	46.717	43.524	-7.283	54.000	3.194	AV
2		*	5512.955	84.335	81.076	N/A	N/A	3.259	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 16:14
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5530MHz + 5775MHz Ant 0 + 1	

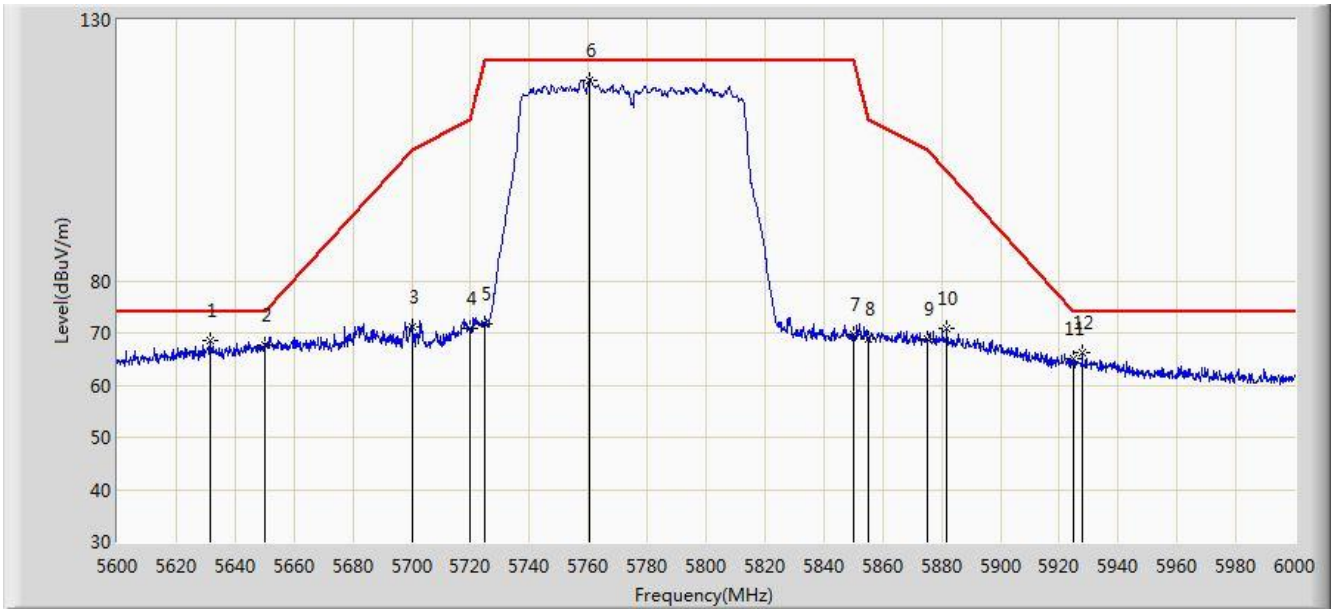


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5603.000	72.726	69.005	-1.274	74.000	3.721	PK
2			5650.000	64.773	60.970	-9.227	74.000	3.803	PK
3			5700.000	61.432	57.492	-43.768	105.200	3.940	PK
4			5720.000	60.823	56.841	-49.977	110.800	3.982	PK
5			5725.000	61.236	57.130	-60.964	122.200	4.105	PK
6			5768.200	92.854	88.406	N/A	N/A	4.447	PK
7			5850.000	59.096	54.101	-63.104	122.200	4.995	PK
8			5855.000	59.223	54.235	-51.577	110.800	4.987	PK
9			5875.000	58.966	53.959	-46.234	105.200	5.008	PK
10			5925.000	60.262	55.110	-13.738	74.000	5.152	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 16:17
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5530MHz + 5775MHz Ant 0 + 1	

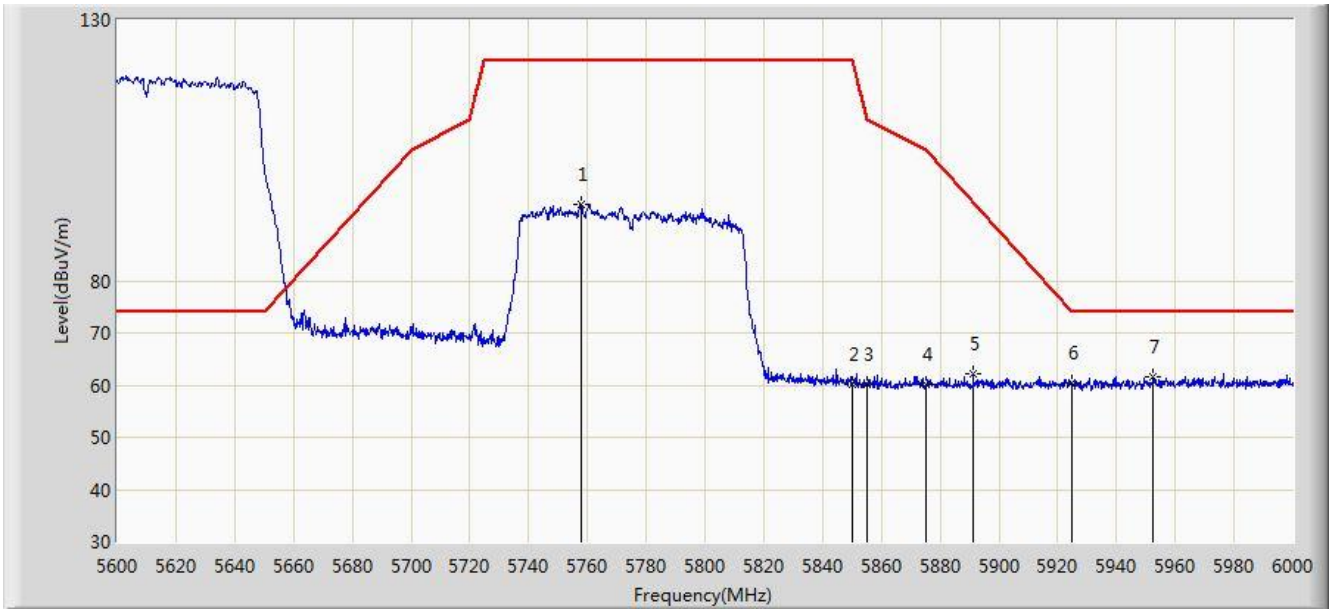


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5631.800	68.409	64.758	-5.591	74.000	3.651	PK
2			5650.000	67.684	63.881	-6.316	74.000	3.803	PK
3			5700.000	71.123	67.183	-34.077	105.200	3.940	PK
4			5720.000	70.992	67.010	-39.808	110.800	3.982	PK
5			5725.000	71.599	67.493	-50.601	122.200	4.105	PK
6		*	5760.200	118.473	114.034	N/A	N/A	4.440	PK
7			5850.000	69.591	64.596	-52.609	122.200	4.995	PK
8			5855.000	68.985	63.997	-41.815	110.800	4.987	PK
9			5875.000	68.956	63.949	-36.244	105.200	5.008	PK
10			5881.800	70.931	65.863	-30.010	100.941	5.068	PK
11			5925.000	65.207	60.055	-8.793	74.000	5.152	PK
12			5927.800	66.260	61.083	-7.740	74.000	5.177	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 16:28
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5610MHz + 5775MHz Ant 0 + 1	

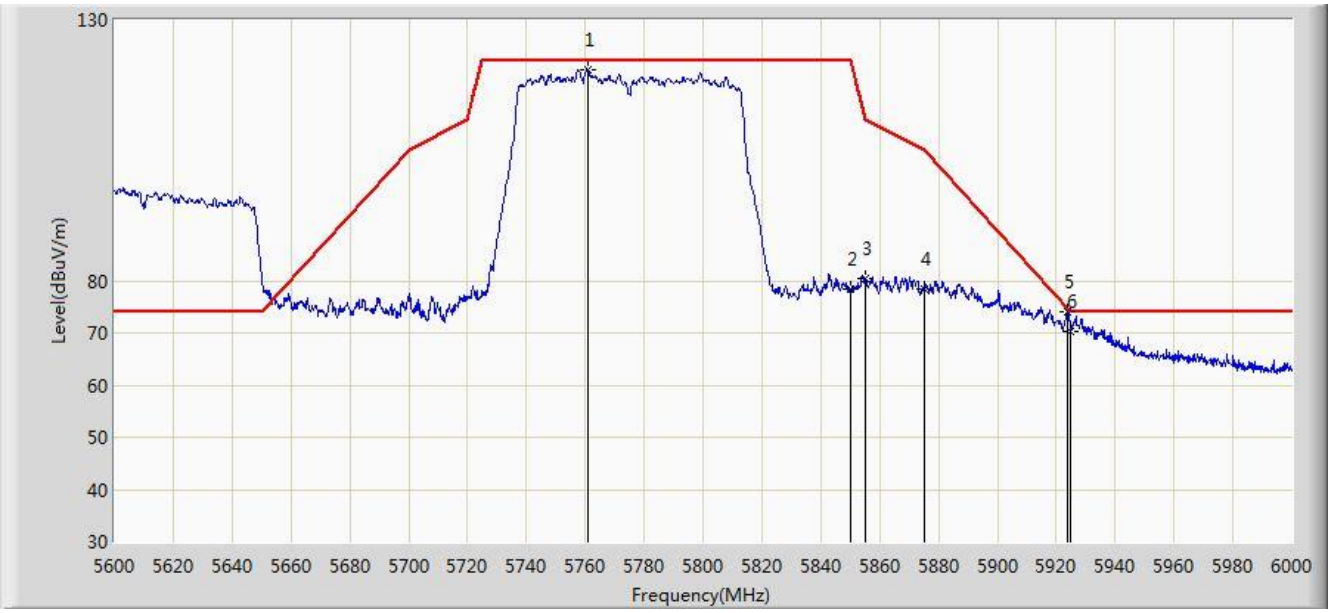


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5758.000	94.546	90.141	N/A	N/A	4.406	PK
2			5850.000	60.171	55.176	-62.029	122.200	4.995	PK
3			5855.000	60.096	55.108	-50.704	110.800	4.987	PK
4			5875.000	60.104	55.097	-45.096	105.200	5.008	PK
5			5891.200	62.036	56.919	-33.027	95.062	5.116	PK
6			5925.000	60.449	55.297	-13.551	74.000	5.152	PK
7		*	5952.600	61.662	56.406	-12.338	74.000	5.257	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 16:27
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5610MHz + 5775MHz Ant 0 + 1	

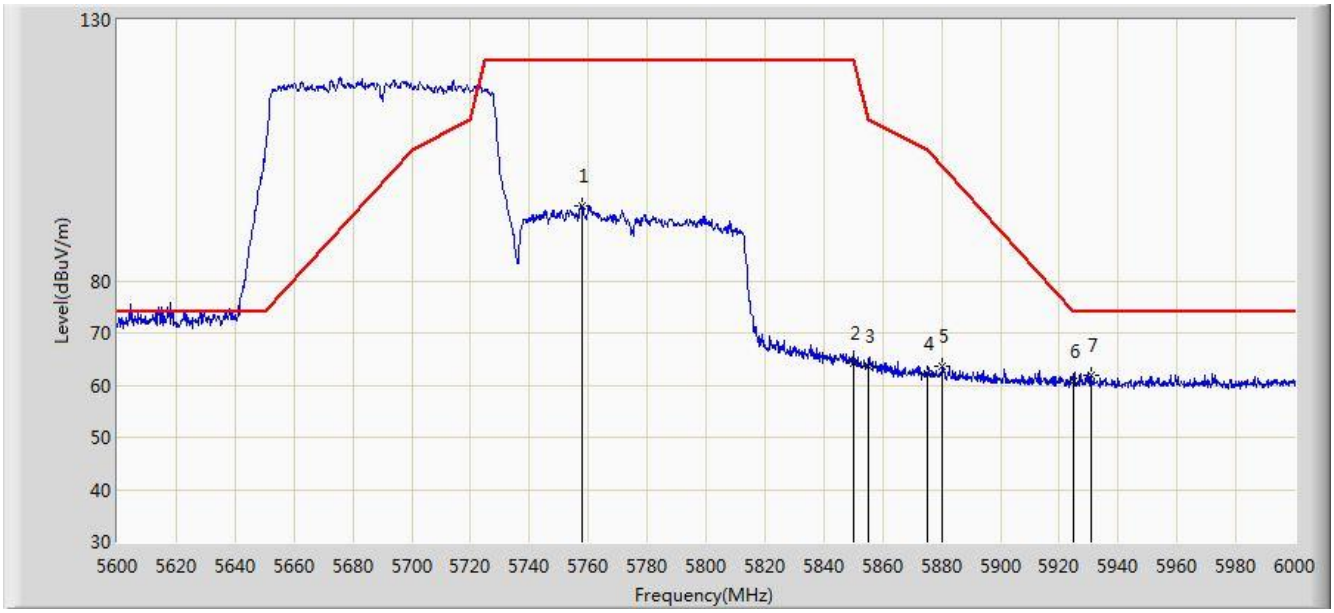


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5760.800	120.537	116.097	N/A	N/A	4.440	PK
2			5850.000	78.313	73.318	-43.887	122.200	4.995	PK
3			5855.000	80.444	75.456	-30.356	110.800	4.987	PK
4			5875.000	78.486	73.479	-26.714	105.200	5.008	PK
5		*	5923.800	73.989	68.835	-0.757	74.746	5.153	PK
6			5925.000	70.169	65.017	-3.831	74.000	5.152	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 16:32
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5690MHz + 5775MHz Ant 0 + 1	

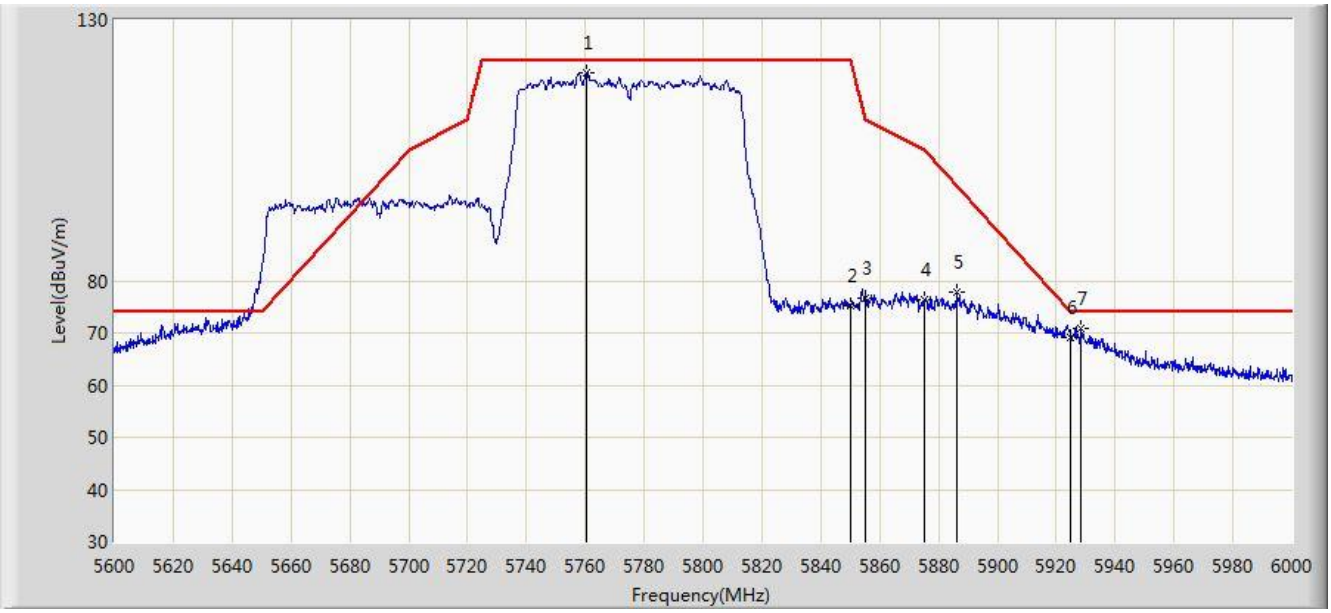


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5757.800	94.237	89.835	N/A	N/A	4.401	PK
2			5850.000	64.246	59.251	-57.954	122.200	4.995	PK
3			5855.000	63.486	58.498	-47.314	110.800	4.987	PK
4			5875.000	62.094	57.087	-43.106	105.200	5.008	PK
5			5880.400	63.657	58.597	-38.161	101.818	5.060	PK
6			5925.000	60.711	55.559	-13.289	74.000	5.152	PK
7		*	5930.600	61.860	56.665	-12.140	74.000	5.195	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/02/28 - 16:31
Limit: FCC_Part15.407_RE(3m)	Engineer: Bruce Wang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11ac-VHT80+80 at Channel 5690MHz + 5775MHz Ant 0 + 1	

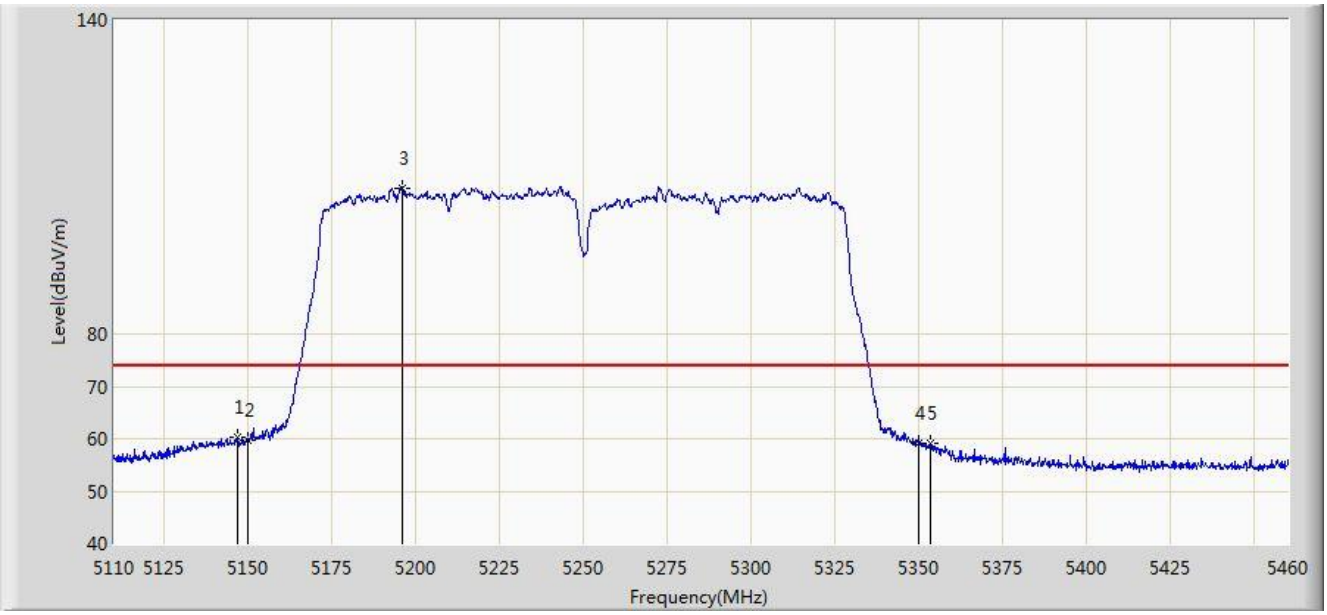


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5760.600	119.784	115.344	N/A	N/A	4.440	PK
2			5850.000	75.278	70.283	-46.922	122.200	4.995	PK
3			5855.000	76.666	71.678	-34.134	110.800	4.987	PK
4			5875.000	76.411	71.404	-28.789	105.200	5.008	PK
5			5886.400	77.900	72.806	-20.163	98.063	5.095	PK
6			5925.000	69.070	63.918	-4.930	74.000	5.152	PK
7			5928.400	70.883	65.701	-3.117	74.000	5.183	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/03/27 - 20:01
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/50Hz
Test Mode: Transmit by 802.11ac-VHT160 at Channel 5250MHz Ant 0 + 1 + 2 + 3	

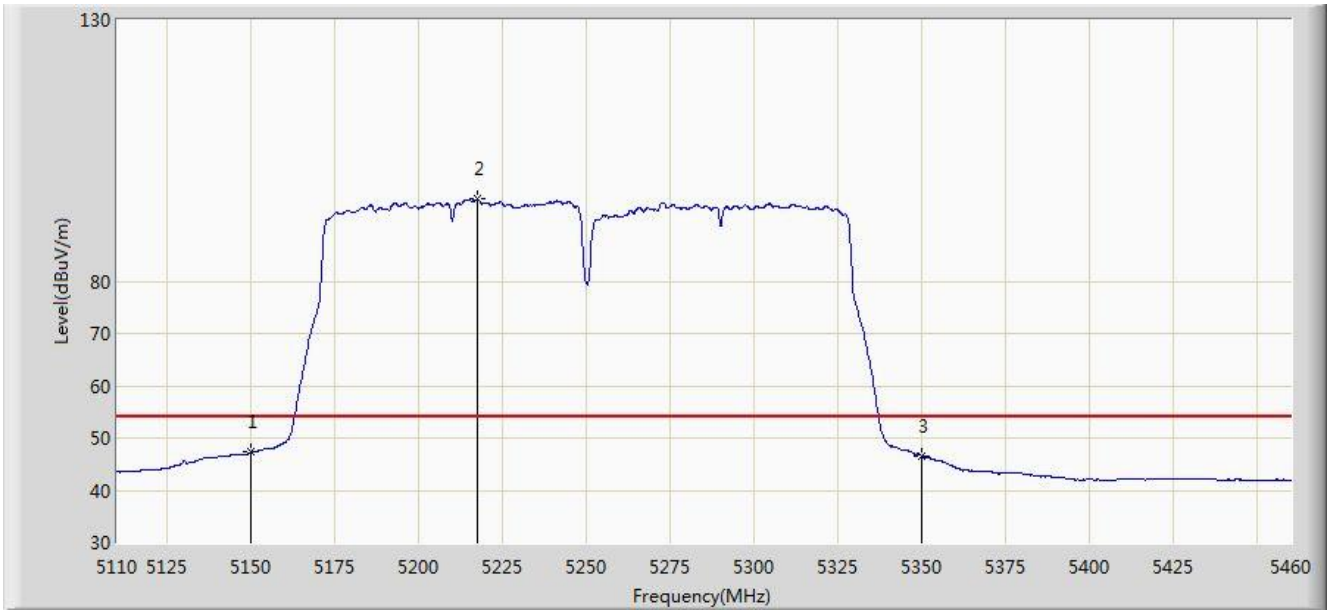


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5146.750	60.236	57.159	-13.764	74.000	3.078	PK
2			5150.000	59.761	56.691	-14.239	74.000	3.069	PK
3		*	5195.750	107.954	105.088	N/A	N/A	2.866	PK
4			5350.000	59.182	56.485	-14.818	74.000	2.697	PK
5			5353.425	59.263	56.555	-14.737	74.000	2.707	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

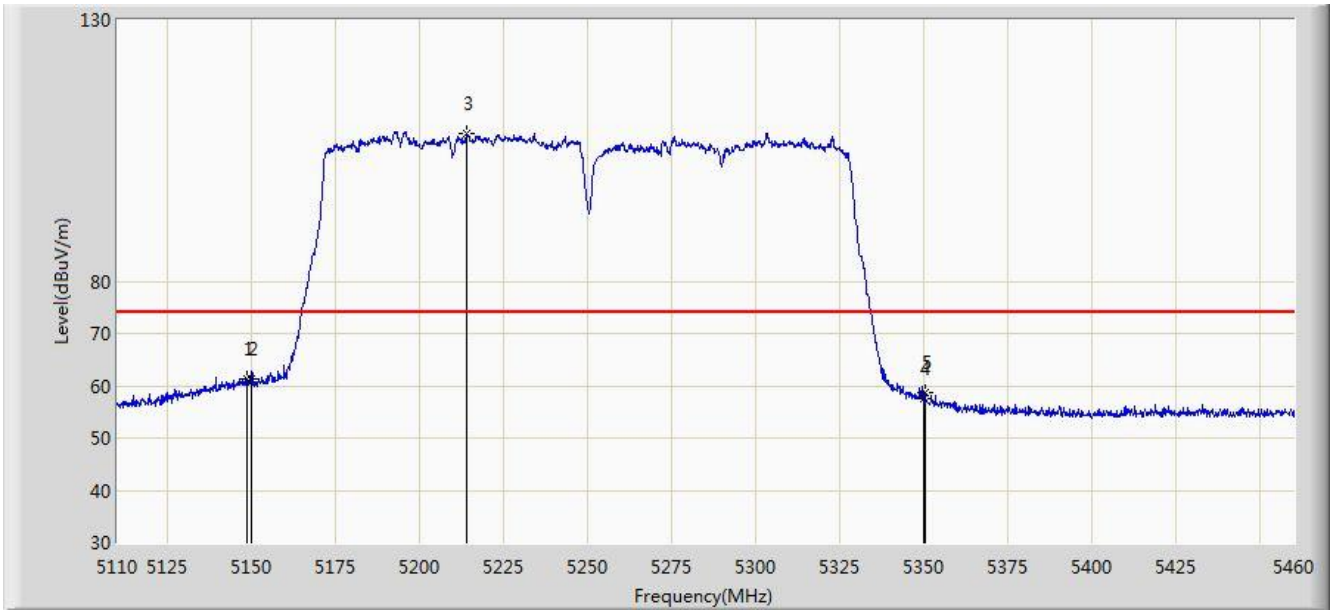
Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/03/27 - 21:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/50Hz
Test Mode: Transmit by 802.11ac-VHT160 at Channel 5250MHz Ant 0 + 1 + 2 + 3	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	47.284	44.214	-6.716	54.000	3.069	AV
2		*	5217.450	95.663	92.859	N/A	N/A	2.805	AV
3			5350.000	46.587	43.890	-7.413	54.000	2.697	AV

Site: AC1	Time: 2017/03/27 - 21:07
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/50Hz
Test Mode: Transmit by 802.11ac-VHT160 at Channel 5250MHz Ant 0 + 1 + 2 + 3	

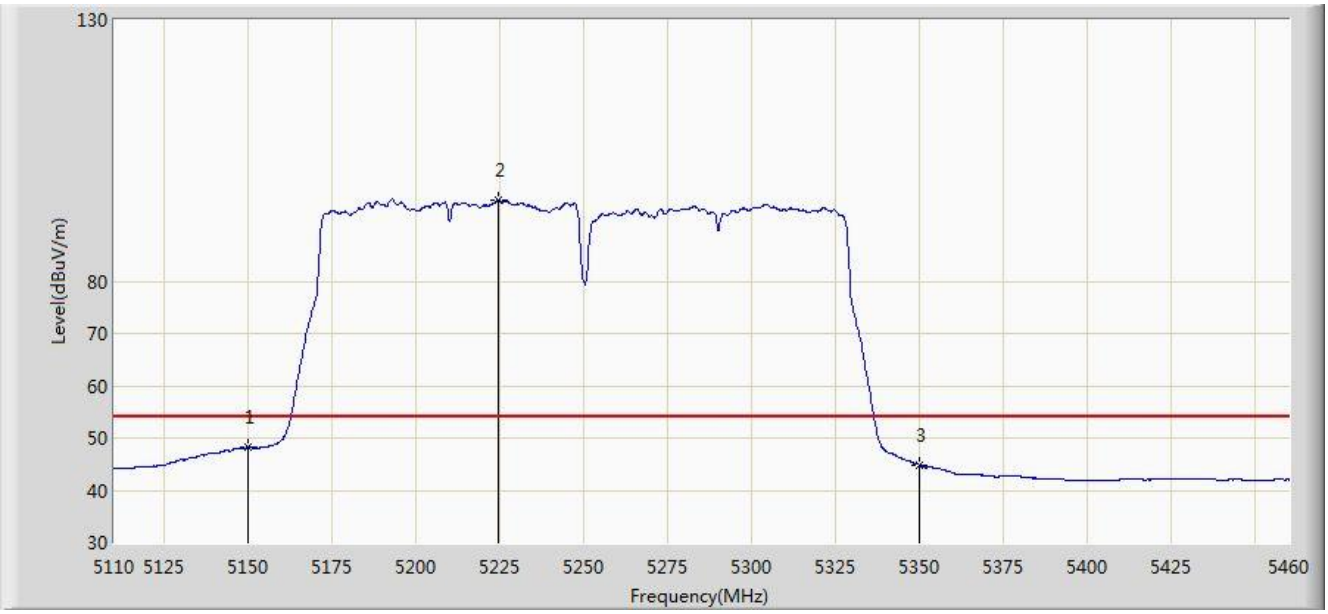


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.500	61.413	58.340	-12.587	74.000	3.073	PK
2			5150.000	61.270	58.200	-12.730	74.000	3.069	PK
3		*	5213.775	108.209	105.409	N/A	N/A	2.801	PK
4			5350.000	57.502	54.805	-16.498	74.000	2.697	PK
5			5350.275	58.691	55.993	-15.309	74.000	2.698	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/03/27 - 21:10
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/50Hz
Test Mode: Transmit by 802.11ac-VHT160 at Channel 5250MHz Ant 0 + 1 + 2 + 3	

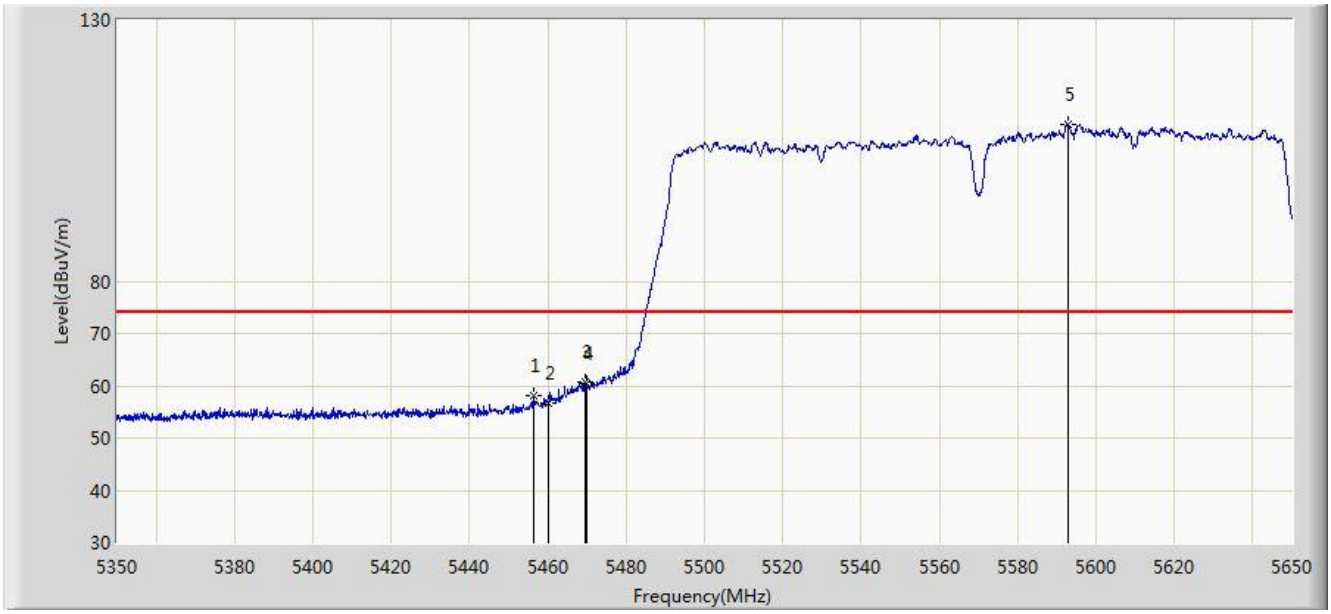


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	48.143	45.073	-5.857	54.000	3.069	AV
2		*	5224.625	95.494	92.685	N/A	N/A	2.809	AV
3			5350.000	44.790	42.093	-9.210	54.000	2.697	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/03/27 - 21:17
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/50Hz
Test Mode: Transmit by 802.11ac-VHT160 at Channel 5570MHz Ant 0 + 1 + 2 + 3	

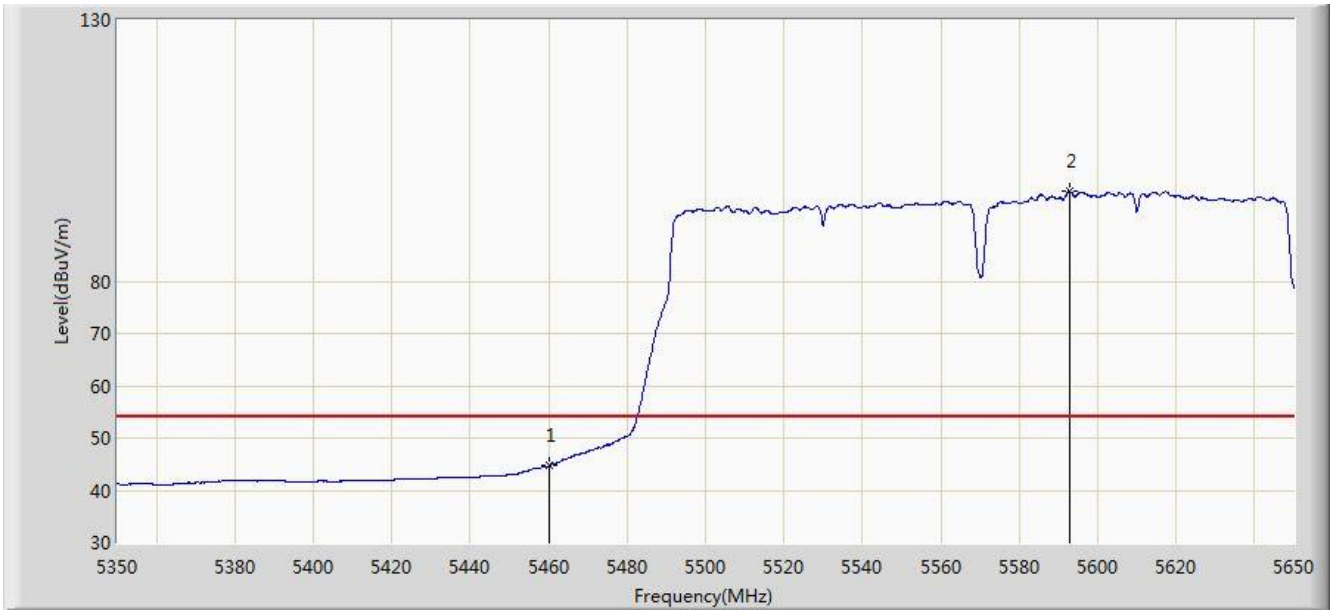


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5456.500	58.253	55.177	-15.747	74.000	3.076	PK
2			5460.000	56.807	53.614	-17.193	74.000	3.194	PK
3			5469.700	60.724	57.205	-13.276	74.000	3.519	PK
4			5470.000	60.495	56.966	-13.505	74.000	3.529	PK
5		*	5592.850	110.062	106.358	N/A	N/A	3.704	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/03/27 - 21:19
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/50Hz
Test Mode: Transmit by 802.11ac-VHT160 at Channel 5570MHz Ant 0 + 1 + 2 + 3	

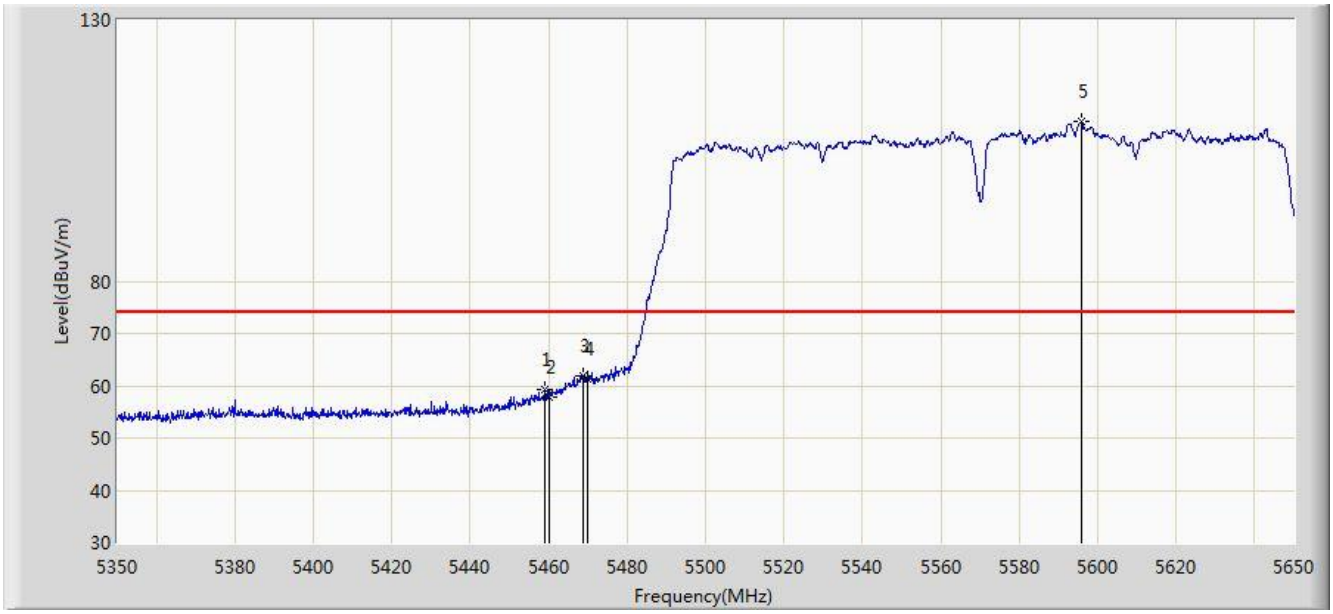


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	44.651	41.458	-9.349	54.000	3.194	AV
2		*	5592.850	97.144	93.440	N/A	N/A	3.704	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/03/27 - 21:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/50Hz
Test Mode: Transmit by 802.11ac-VHT160 at Channel 5570MHz Ant 0 + 1 + 2 + 3	

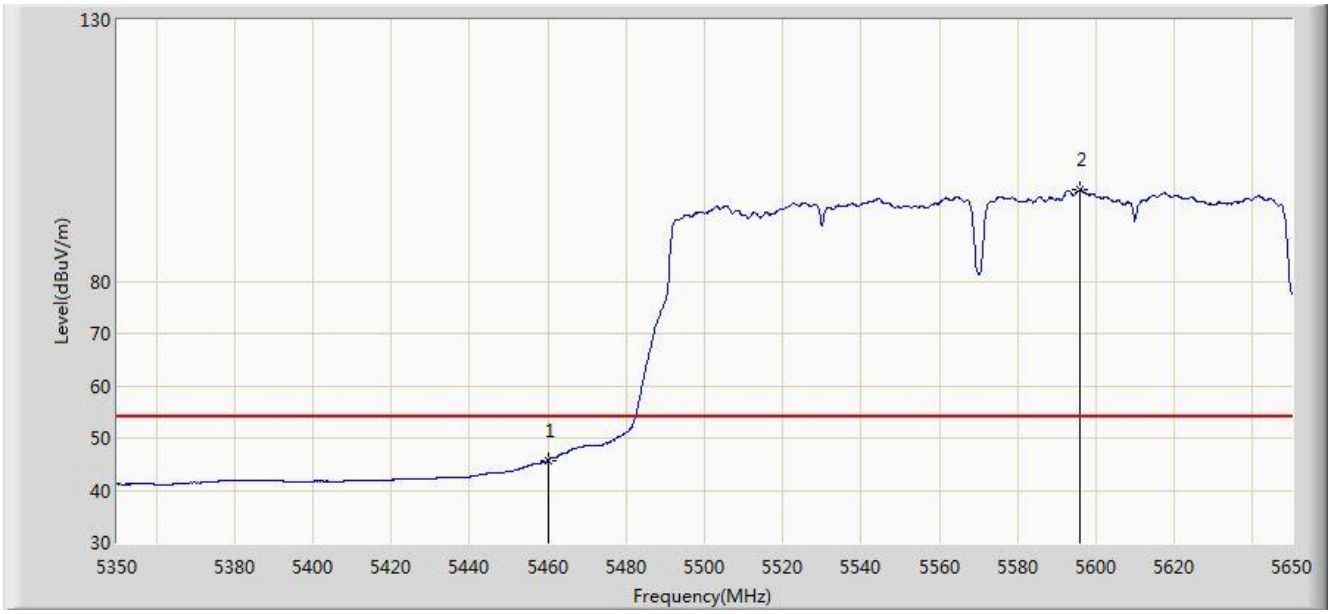


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5459.200	59.337	56.171	-14.663	74.000	3.166	PK
2			5460.000	57.971	54.778	-16.029	74.000	3.194	PK
3			5468.800	61.961	58.472	-12.039	74.000	3.489	PK
4			5470.000	61.200	57.671	-12.800	74.000	3.529	PK
5		*	5595.700	110.495	106.788	N/A	N/A	3.707	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/03/27 - 21:16
Limit: FCC_Part15.209_RE(3m)	Engineer: Jone Zhang
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/50Hz
Test Mode: Transmit by 802.11ac-VHT160 at Channel 5570MHz Ant 0 + 1 + 2 + 3	



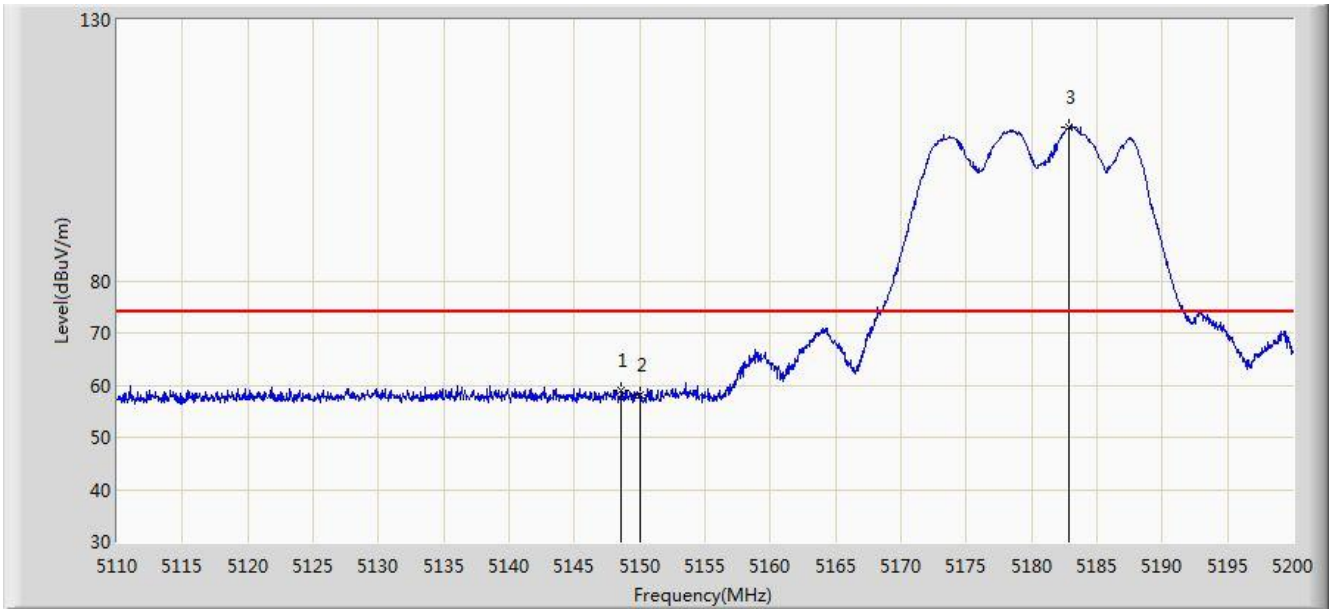
No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	45.786	42.593	-8.214	54.000	3.194	AV
2		*	5595.850	97.571	93.864	N/A	N/A	3.707	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Radio C Radiated Restricted Band Edge Test Result

Site: AC1	Time: 2017/01/11 - 16:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0+1	

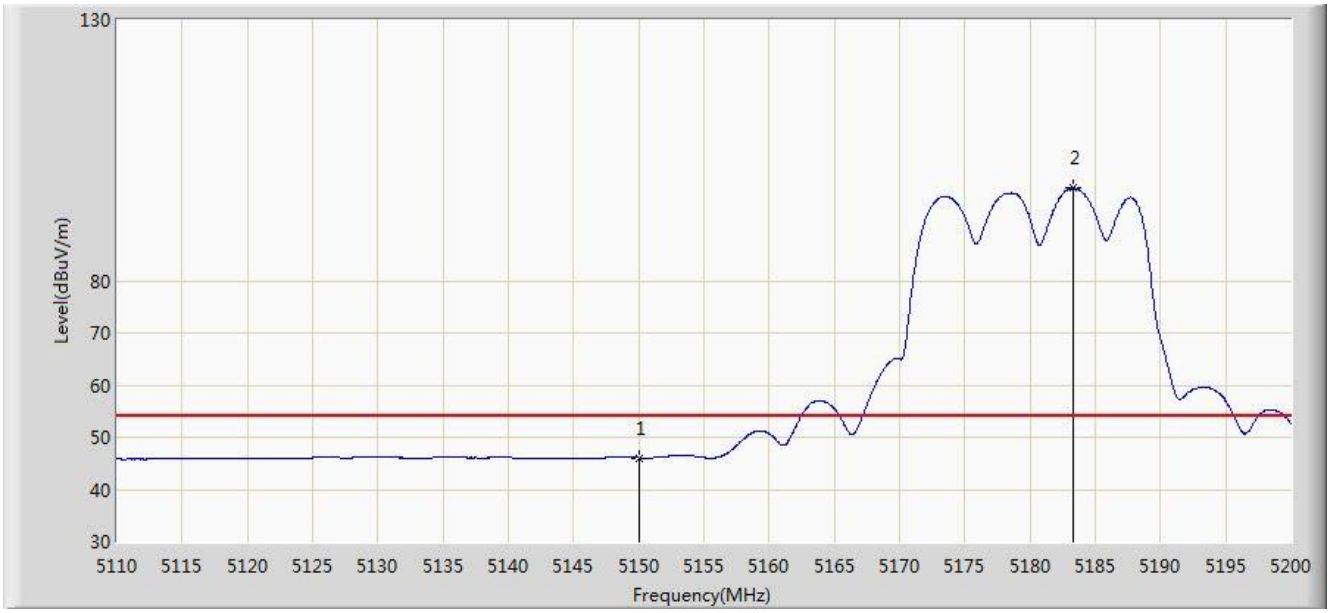


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5148.565	59.115	56.042	-14.885	74.000	3.073	PK
2			5150.000	58.213	55.143	-15.787	74.000	3.069	PK
3		*	5182.855	109.440	106.400	N/A	N/A	3.040	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/01/11 - 16:28
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0+1	

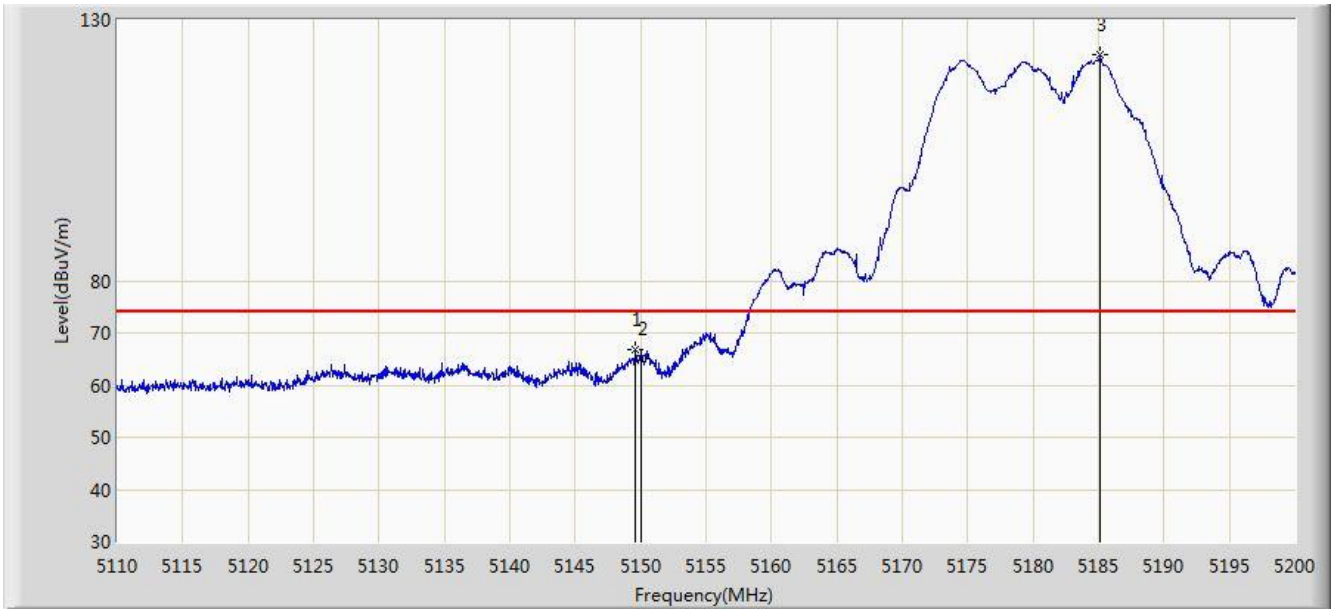


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5150.000	46.086	43.016	-7.914	54.000	3.069	AV
2		*	5183.305	97.786	94.751	N/A	N/A	3.035	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/01/11 - 16:25
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0+1	

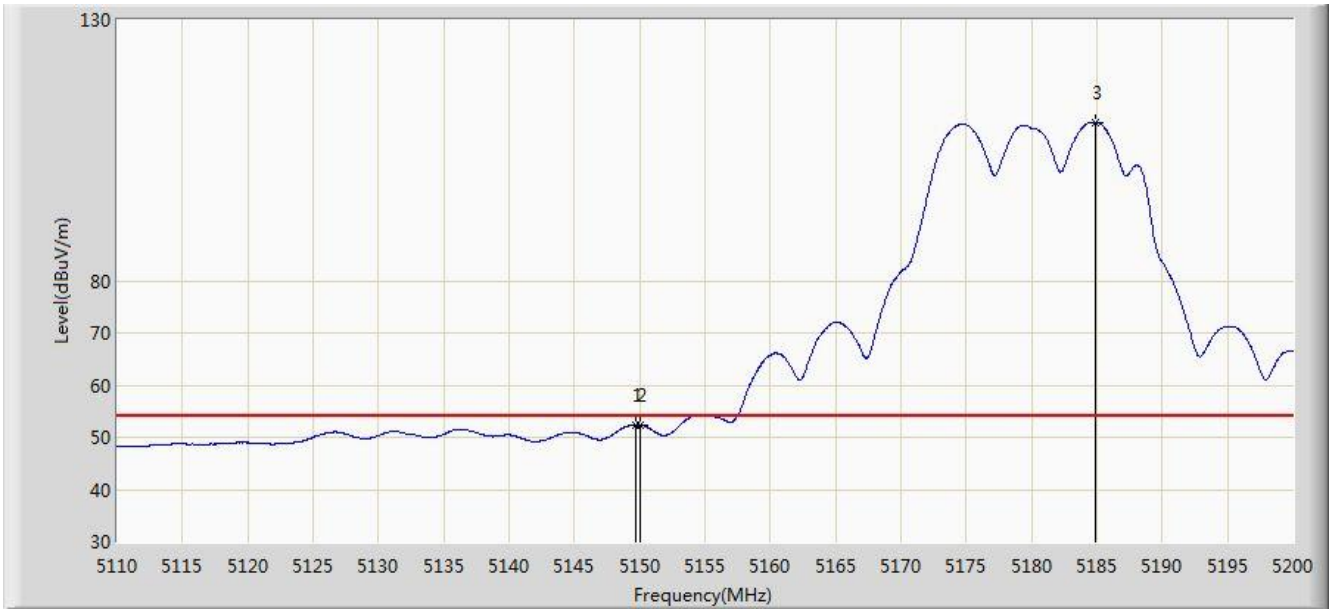


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.600	66.806	63.736	-7.194	74.000	3.070	PK
2			5150.000	65.213	62.143	-8.787	74.000	3.069	PK
3		*	5185.150	123.347	120.335	N/A	N/A	3.011	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/01/11 - 16:24
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5180MHz Ant 0+1	

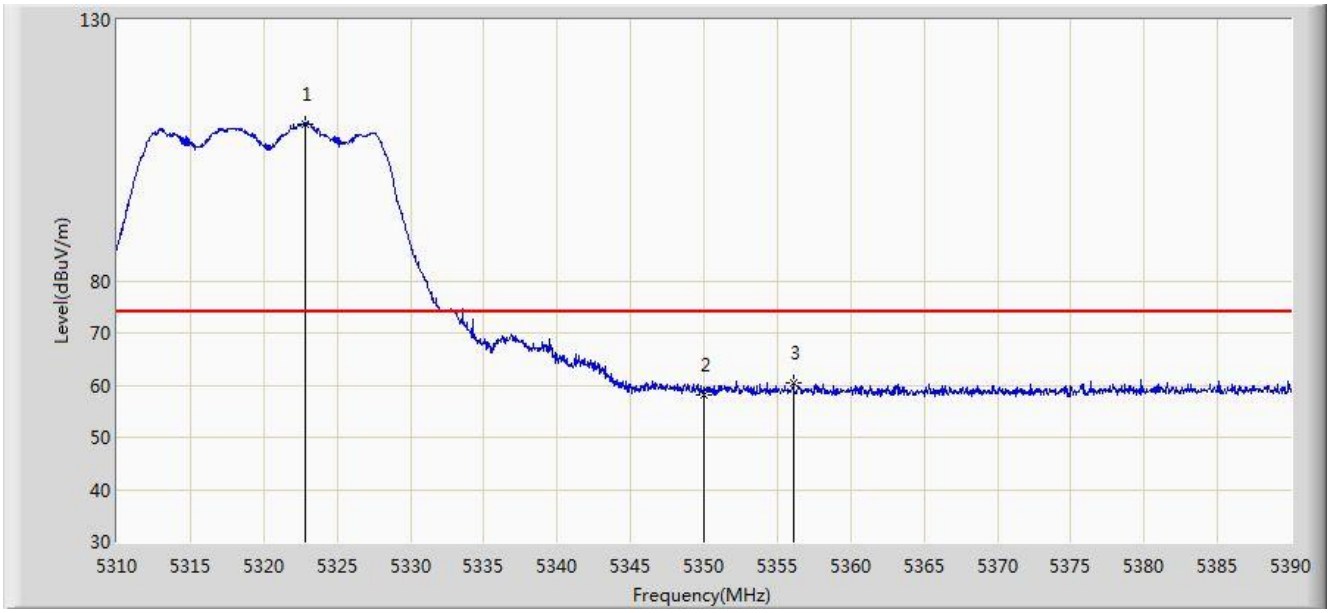


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5149.735	52.451	49.381	-1.549	54.000	3.070	AV
2			5150.000	52.438	49.368	-1.562	54.000	3.069	AV
3		*	5184.835	110.424	107.408	N/A	N/A	3.015	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/01/11 - 16:33
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz Ant 0+1	

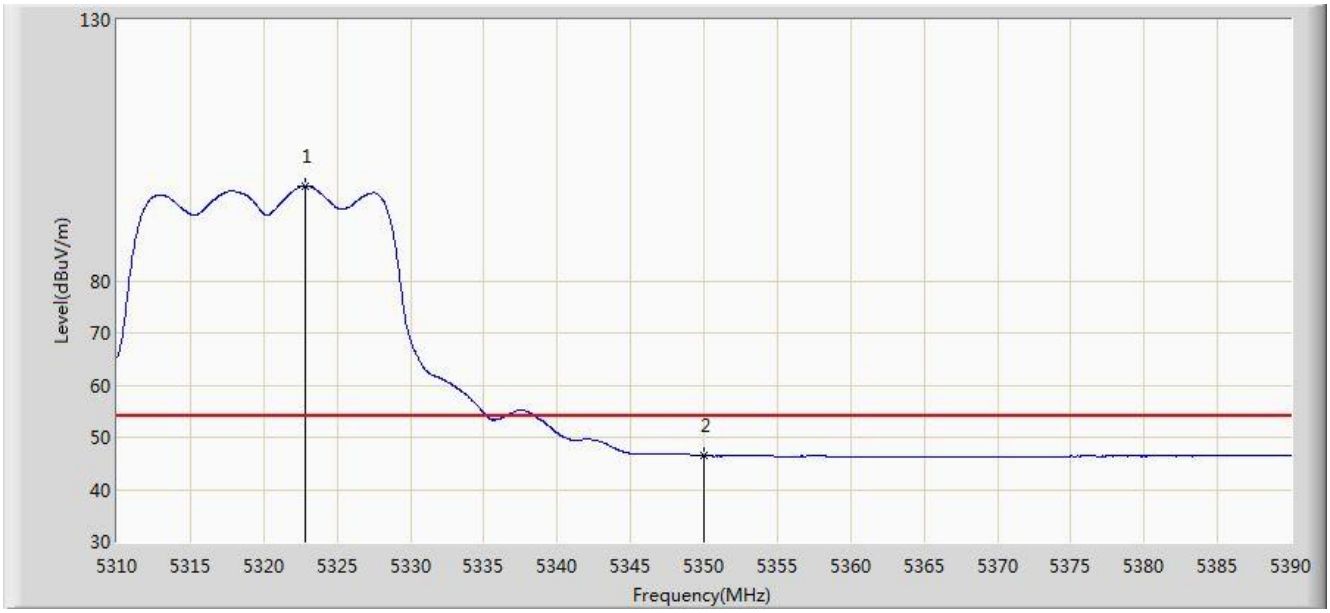


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.880	110.081	107.406	N/A	N/A	2.675	PK
2			5350.000	58.177	55.480	-15.823	74.000	2.697	PK
3			5356.120	60.468	57.755	-13.532	74.000	2.714	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/01/11 - 16:34
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz Ant 0+1	

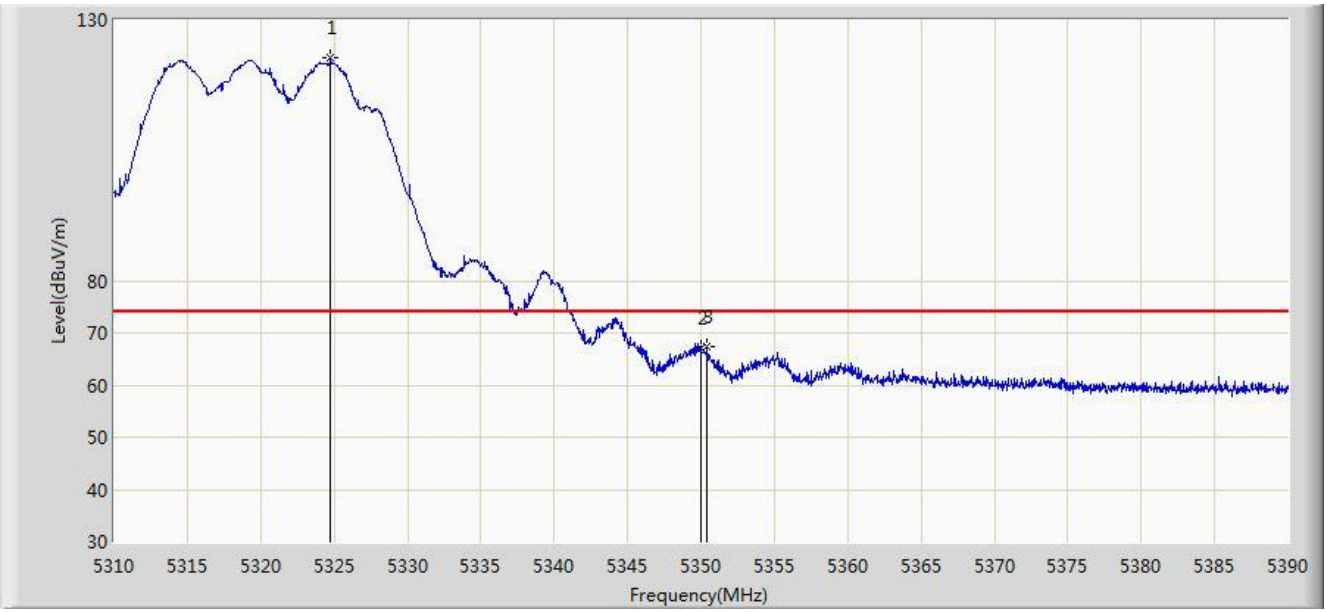


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5322.880	98.179	95.504	N/A	N/A	2.675	AV
2			5350.000	46.433	43.736	-7.567	54.000	2.697	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/01/11 - 16:32
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz Ant 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5324.760	122.703	120.020	N/A	N/A	2.683	PK
2			5350.000	67.131	64.434	-6.869	74.000	2.697	PK
3			5350.440	67.268	64.569	-6.732	74.000	2.699	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

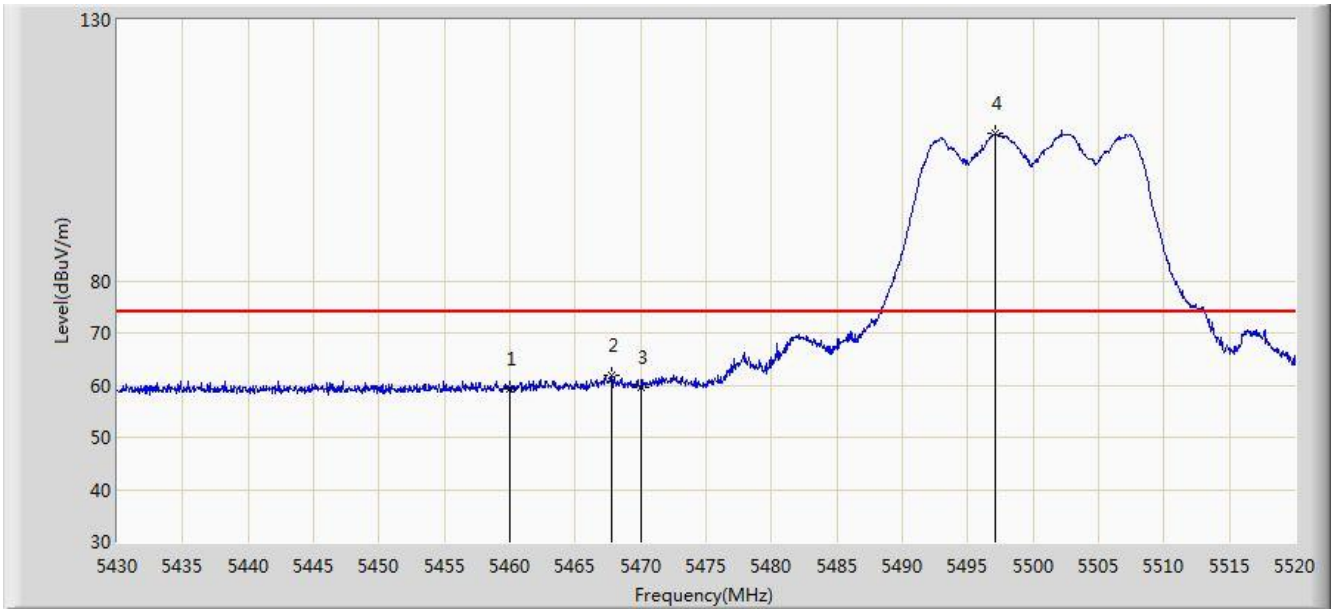
Site: AC1	Time: 2017/01/11 - 16:30
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5320MHz Ant 0+1	

No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5319.280	109.998	107.339	N/A	N/A	2.658	AV
2			5350.000	53.318	50.621	-0.682	54.000	2.697	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/01/11 - 16:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz Ant 0+1	

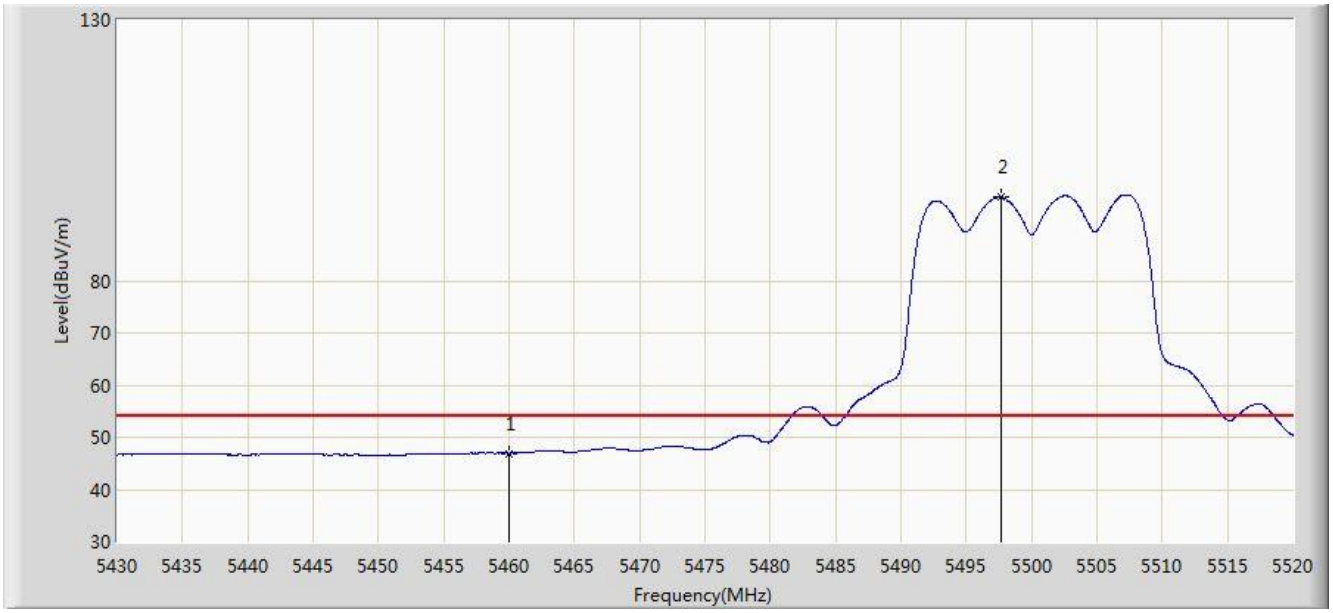


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	59.379	56.186	-14.621	74.000	3.194	PK
2			5467.800	61.749	58.294	-12.251	74.000	3.455	PK
3			5470.000	59.670	56.141	-14.330	74.000	3.529	PK
4		*	5497.140	108.195	105.054	N/A	N/A	3.141	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/01/11 - 16:42
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz Ant 0+1	

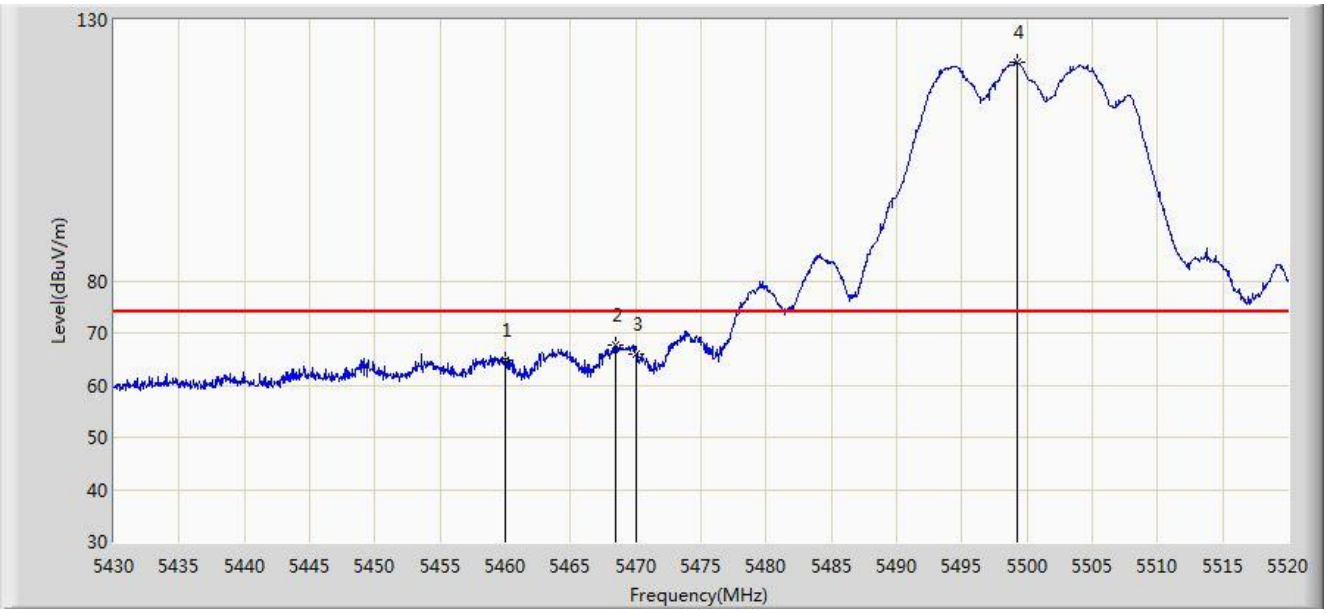


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	46.940	43.747	-7.060	54.000	3.194	AV
2		*	5497.680	96.053	92.917	N/A	N/A	3.135	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/01/11 - 16:37
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz Ant 0+1	

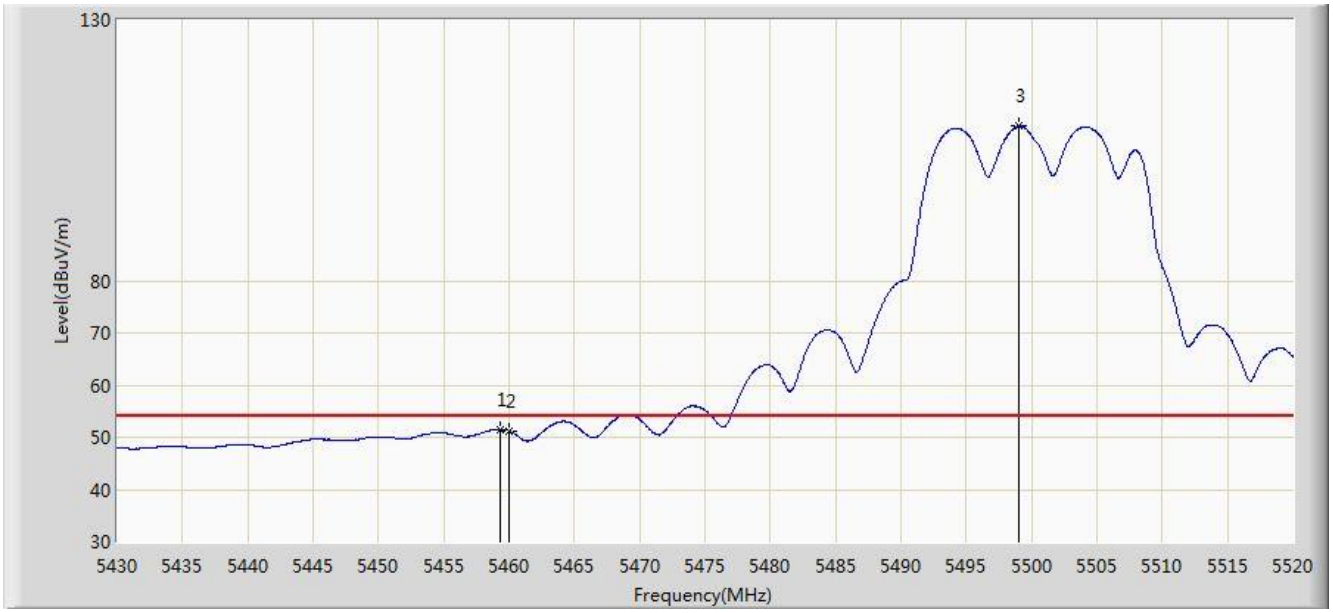


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5460.000	64.647	61.454	-9.353	74.000	3.194	PK
2			5468.430	67.803	64.327	-6.197	74.000	3.477	PK
3			5470.000	66.079	62.550	-7.921	74.000	3.529	PK
4		*	5499.255	121.771	118.650	N/A	N/A	3.121	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/01/11 - 16:39
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5500MHz Ant 0+1	

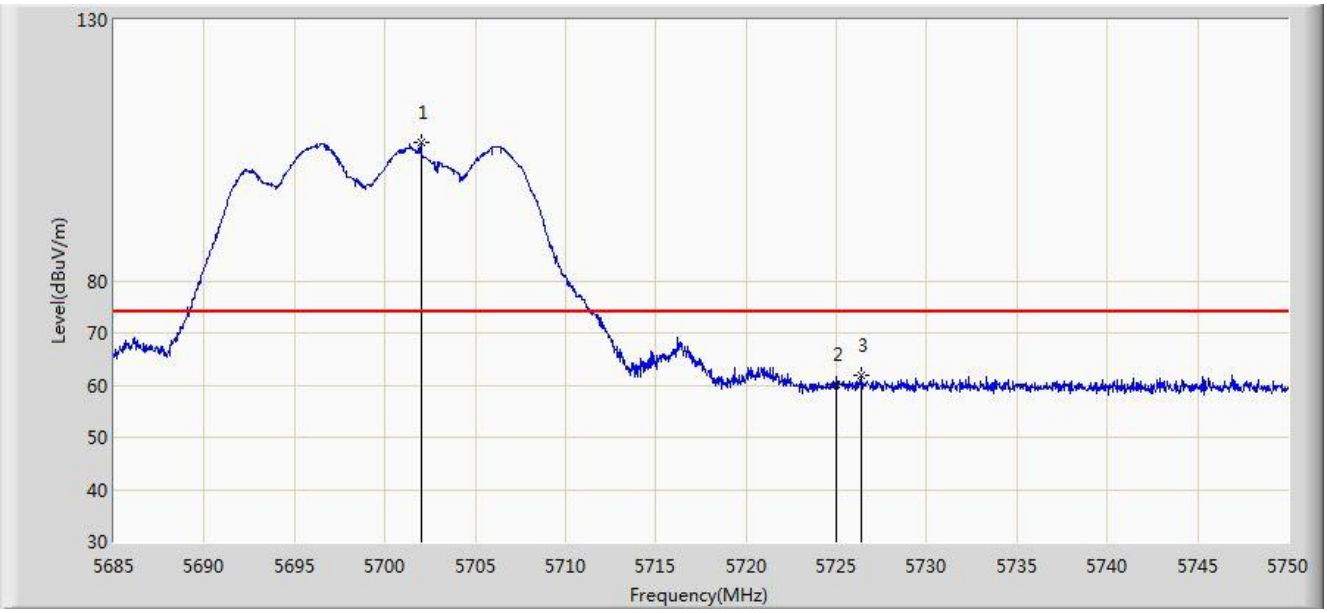


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5459.340	51.540	48.369	-2.460	54.000	3.171	AV
2			5460.000	51.244	48.051	-2.756	54.000	3.194	AV
3		*	5499.075	109.681	106.559	N/A	N/A	3.122	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/01/14 - 11:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5700MHz Ant 0+1	

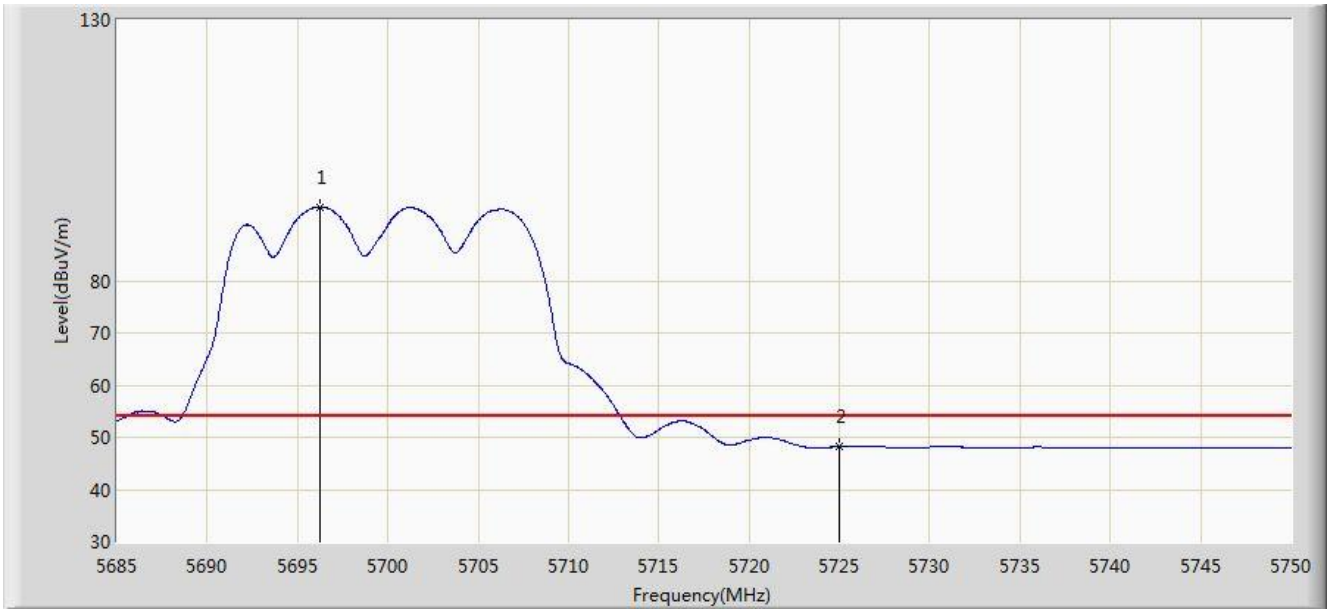


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5701.998	106.636	102.718	N/A	N/A	3.918	PK
2			5725.000	60.262	56.156	-13.738	74.000	4.105	PK
3			5726.405	61.873	57.733	-12.127	74.000	4.140	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/01/14 - 11:44
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5700MHz Ant 0+1	

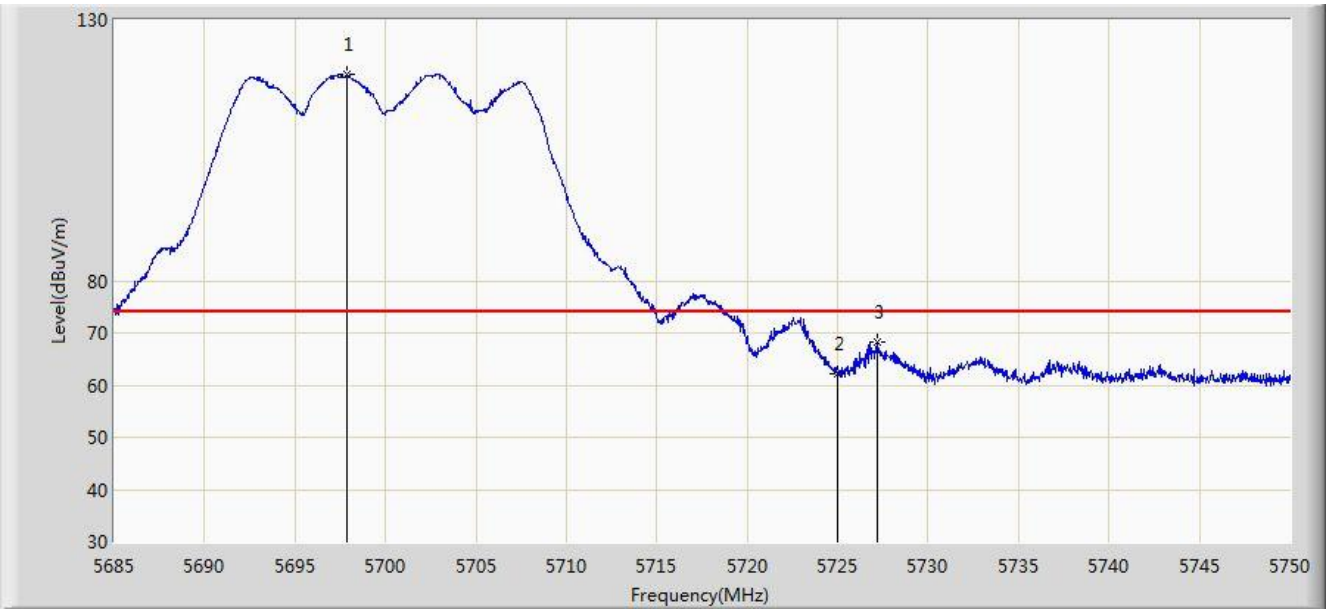


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5696.212	94.138	90.159	N/A	N/A	3.979	AV
2			5725.000	48.248	44.142	-5.752	54.000	4.105	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/01/14 - 11:40
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5700MHz Ant 0+1	

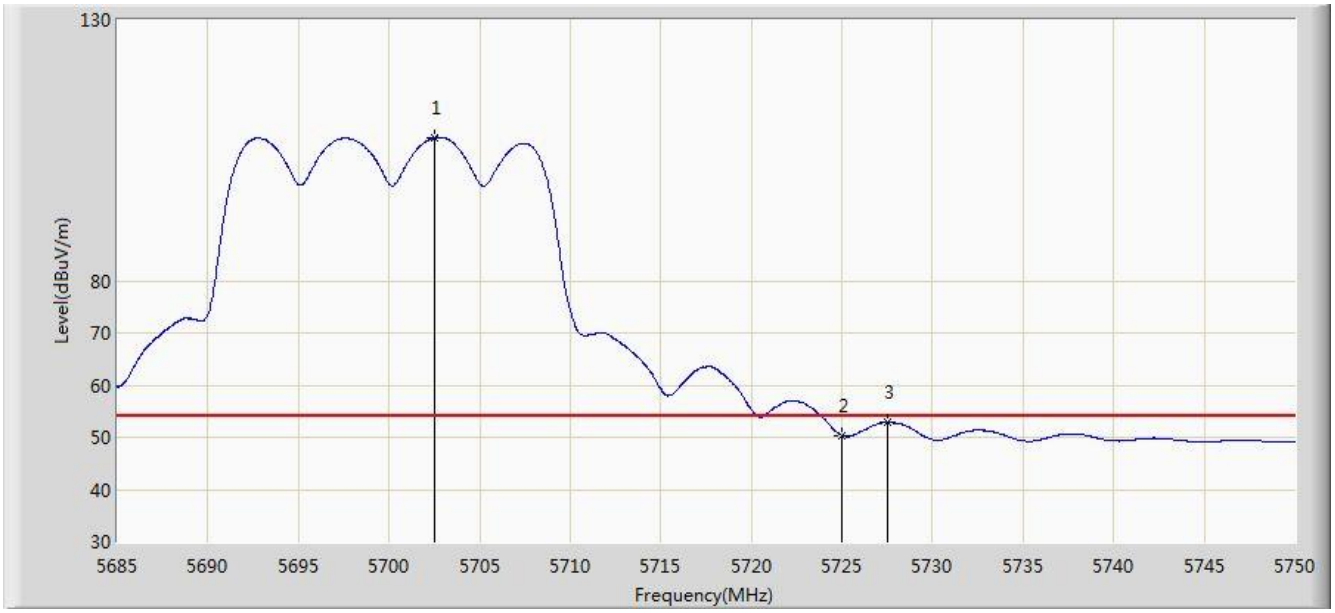


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5697.837	119.632	115.669	N/A	N/A	3.963	PK
2			5725.000	62.163	58.057	-11.837	74.000	4.105	PK
3			5727.217	68.331	64.170	-5.669	74.000	4.161	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/01/14 - 11:38
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5700MHz Ant 0+1	

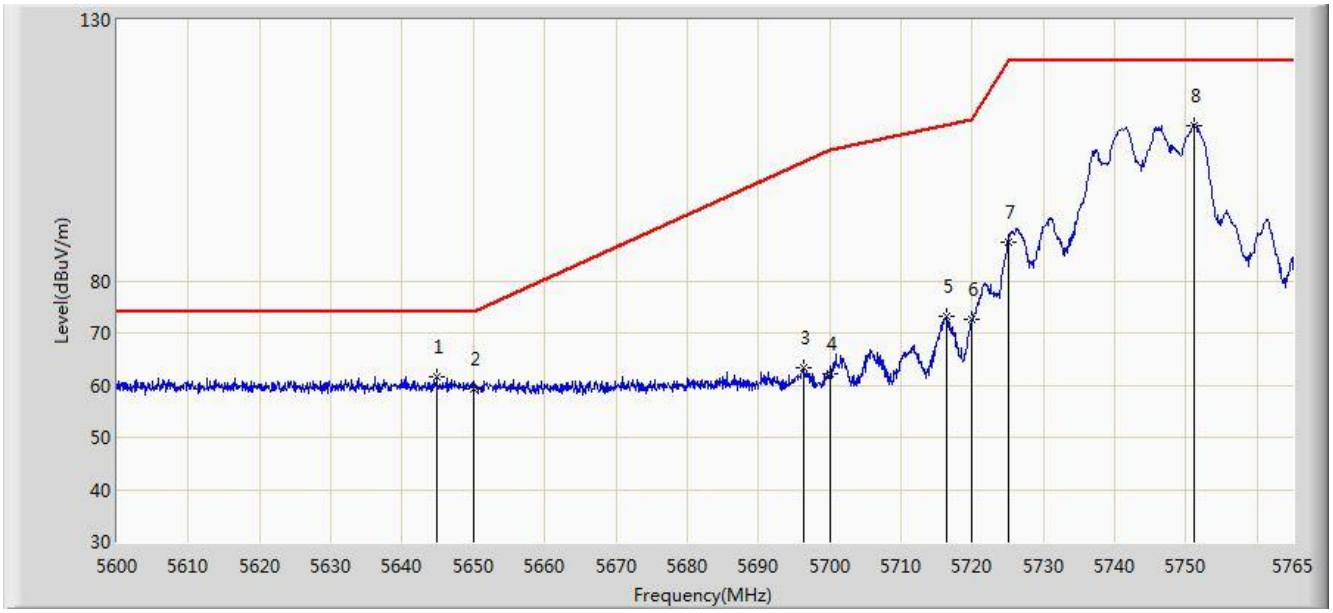


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5702.550	107.522	103.610	N/A	N/A	3.912	AV
2			5725.000	50.357	46.251	-3.643	54.000	4.105	AV
3			5727.510	52.859	48.691	-1.141	54.000	4.169	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/01/14 - 11:48
Limit: FCC_Part15.407_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 0+1	

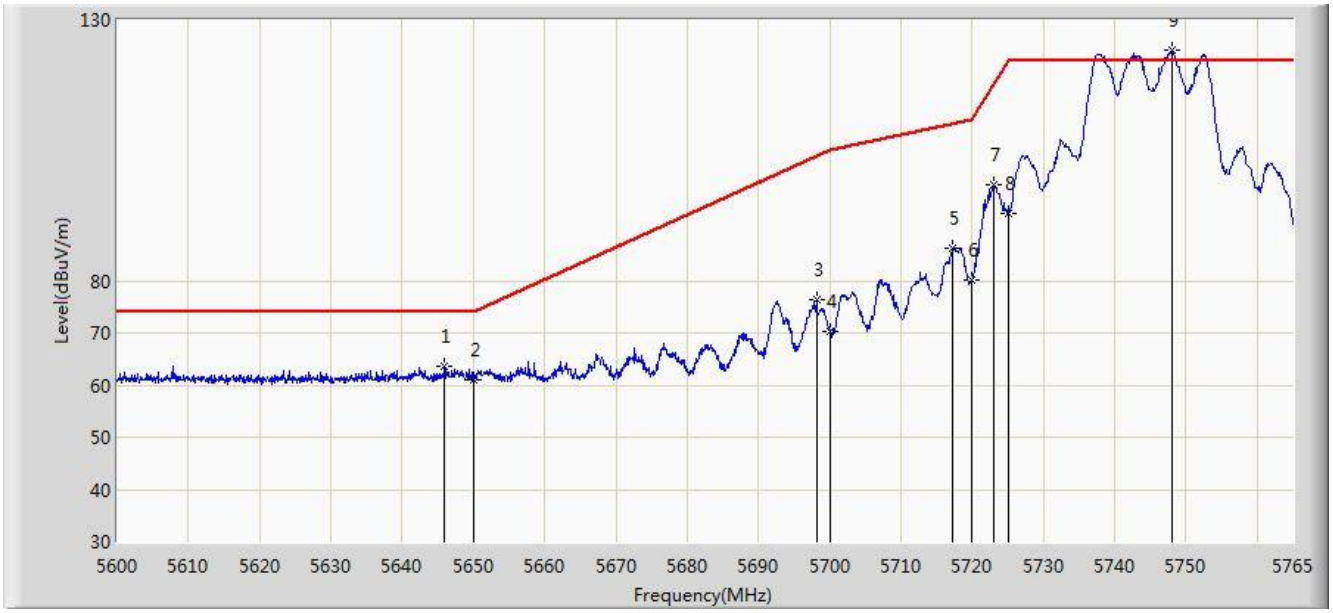


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5644.880	61.645	57.730	-12.355	74.000	3.916	PK
2			5650.000	59.262	55.459	-14.738	74.000	3.803	PK
3			5696.277	63.455	59.476	-39.432	102.886	3.979	PK
4			5700.000	62.180	58.240	-43.020	105.200	3.940	PK
5			5716.325	73.183	69.291	-36.590	109.772	3.892	PK
6			5720.000	72.530	68.548	-38.270	110.800	3.982	PK
7			5725.000	87.272	83.166	-34.928	122.200	4.105	PK
8			5751.058	109.842	105.557	N/A	N/A	4.285	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/01/14 - 11:45
Limit: FCC_Part15.407_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5745MHz Ant 0+1	

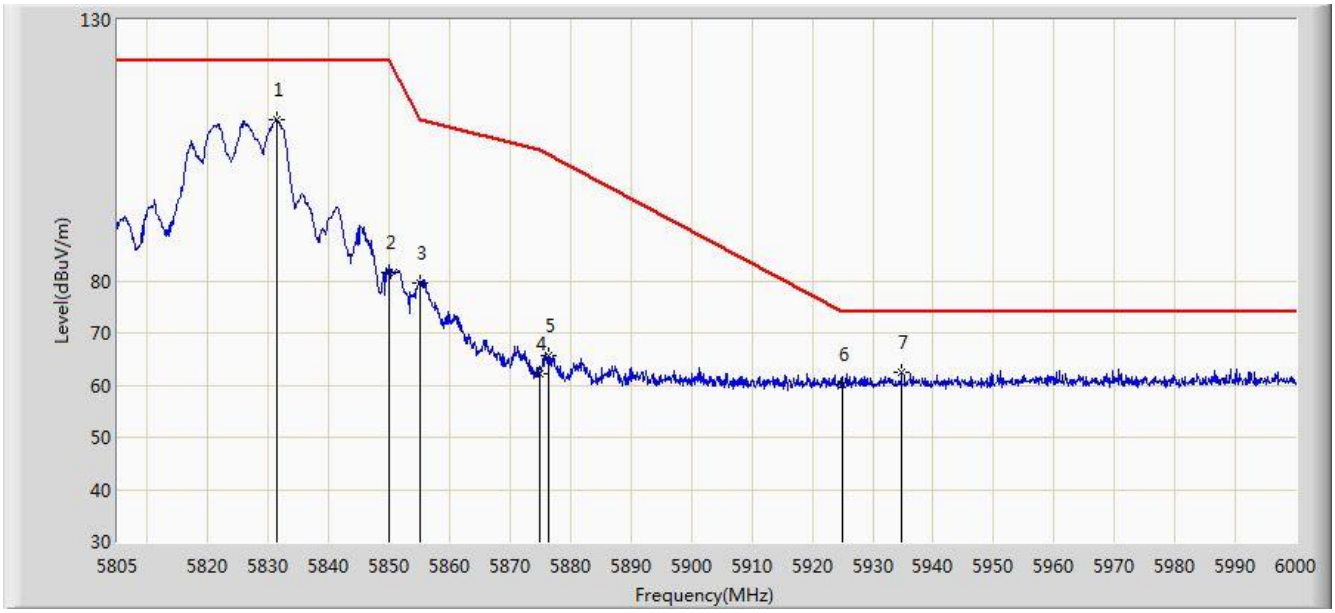


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5645.953	63.516	59.620	-10.484	74.000	3.895	PK
2			5650.000	61.050	57.247	-12.950	74.000	3.803	PK
3			5698.175	76.311	72.351	-27.755	104.066	3.960	PK
4			5700.000	70.305	66.365	-34.895	105.200	3.940	PK
5			5717.315	86.196	82.280	-23.853	110.049	3.916	PK
6			5720.000	80.160	76.178	-30.640	110.800	3.982	PK
7			5722.925	98.359	94.305	-19.111	117.470	4.054	PK
8			5725.000	92.996	88.890	-29.204	122.200	4.105	PK
9		*	5748.005	124.089	119.822	N/A	N/A	4.267	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/01/14 - 11:53
Limit: FCC_Part15.407_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 0+1	

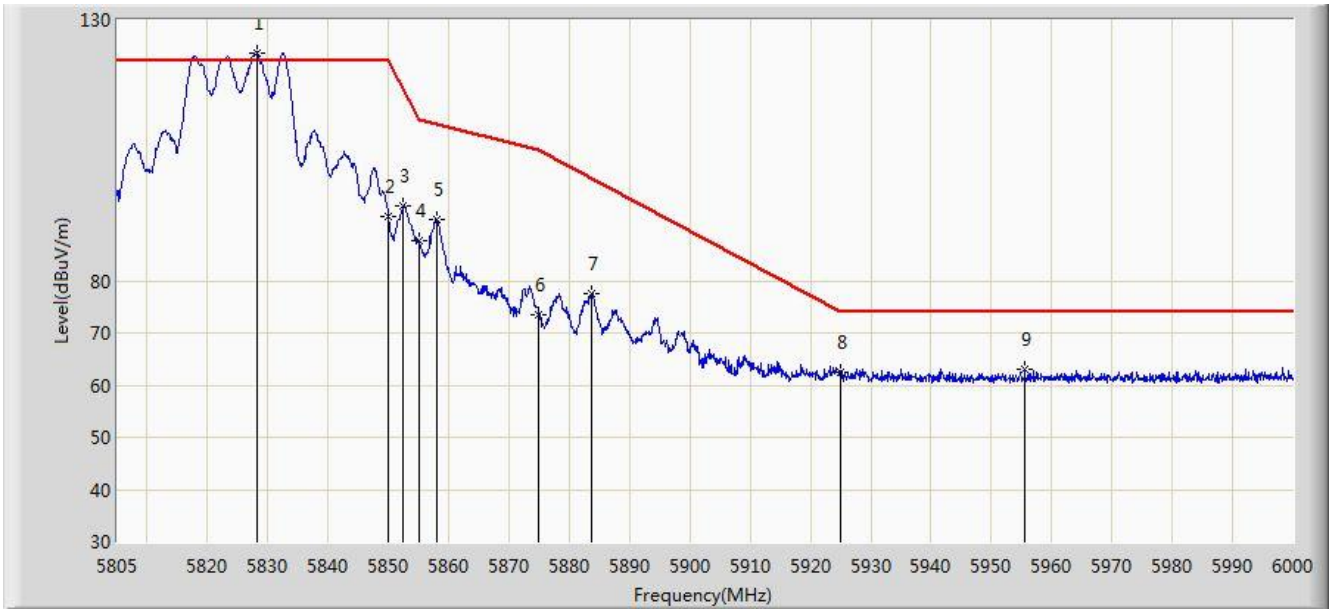


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5831.325	110.832	105.988	N/A	N/A	4.843	PK
2			5850.000	81.634	76.639	-40.566	122.200	4.995	PK
3			5855.000	79.708	74.720	-31.092	110.800	4.987	PK
4			5875.000	62.289	57.282	-42.911	105.200	5.008	PK
5			5876.272	65.579	60.558	-38.824	104.403	5.022	PK
6			5925.000	60.242	55.090	-13.758	74.000	5.152	PK
7			5934.772	62.391	57.206	-11.609	74.000	5.185	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/01/14 - 11:50
Limit: FCC_Part15.407_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Vertical
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11a at Channel 5825MHz Ant 0+1	

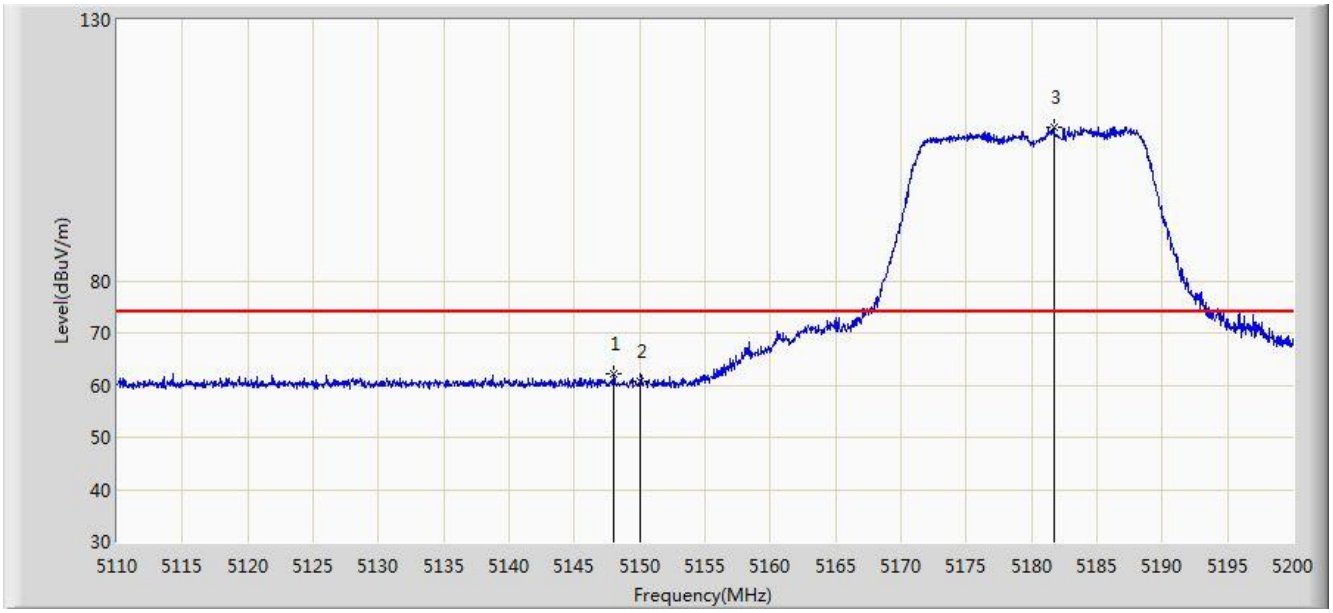


No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		*	5828.205	123.732	118.946	N/A	N/A	4.787	PK
2			5850.000	92.380	87.385	-29.820	122.200	4.995	PK
3			5852.482	94.328	89.337	-22.211	116.540	4.991	PK
4			5855.000	87.720	82.732	-23.080	110.800	4.987	PK
5			5858.040	91.660	86.678	-18.287	109.948	4.983	PK
6			5875.000	73.344	68.337	-31.856	105.200	5.008	PK
7			5883.780	77.556	72.477	-22.146	99.702	5.079	PK
8			5925.000	62.569	57.417	-11.431	74.000	5.152	PK
9			5955.540	63.086	57.783	-10.914	74.000	5.304	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)

Site: AC1	Time: 2017/01/14 - 12:11
Limit: FCC_Part15.209_RE(3m)	Engineer: Snake Ni
Probe: BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: X33 MeshRanger	Power: AC 120V/60Hz
Test Mode: Transmit by 802.11n-HT20 at Channel 5180MHz Ant 0+1	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1			5147.980	62.095	59.021	-11.905	74.000	3.075	PK
2			5150.000	60.762	57.692	-13.238	74.000	3.069	PK
3		*	5181.730	109.496	106.446	N/A	N/A	3.050	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre_Amplifier Gain (dB)